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 97850

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 October 22, 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 97850
TABLE OF CONTENTS

LABORATORY NAME: *APPL, Inc.*

CASE NARRATIVE

Case Narrative

ARF: 97850

Project: 60571032 CV18F0126 Red Hill Fuel Storage. HI

Sample Receipt Information:

Eight water samples were received October 22, 2021 at 2.1°C, and 2.1°C. The sample group was assigned Analytical Request Form (ARF) number 97850.

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.

For the EPA 9060A, the samples were prepared according to the methods.

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 SGC: For the 211018A1-LCSD, Diesel, Oil, and both surrogates recover above their upper control limits and above the percent RPD limits. Two samples recover both surrogates above their upper control limits.

EPA 8270D SIM: One surrogate recovered below its lower control limit in three samples due to matrix interference.

SDG	Received	Client ID	APPL ID	Collected DateTime	Matrix	Method	Method Description
97850	10/15/2021	ERH1802	BA43144	10/13/2021 10:45:00 AM	WATER	EPA 8260B	EPA 8260B BTEX WATER
97850	10/15/2021	ERH1802	BA43144	10/13/2021 10:45:00 AM	WATER	EPA 8260B	EPA 8260B GRO WATER
97850	10/15/2021	ERH1803	BA43145	10/13/2021 10:48:00 AM	WATER	EPA 8260B	EPA 8260B BTEX WATER
97850	10/15/2021	ERH1803	BA43145	10/13/2021 10:48:00 AM	WATER	EPA 8015B-eHL	EPA 8015B TPH WATER L-L SGC
97850	10/15/2021	ERH1803	BA43145	10/13/2021 10:48:00 AM	WATER	EPA 8015B-eHL	EPA 8015B TPH LIQ-LIQ
97850	10/15/2021	ERH1803	BA43145	10/13/2021 10:48:00 AM	WATER	EPA 8260B	EPA 8260B GRO WATER
97850	10/15/2021	ERH1803	BA43145	10/13/2021 10:48:00 AM	WATER	8270D-SIM	EPA 8270D SIM LIQ-LIQ
97850	10/15/2021	ERH1803	BA43145	10/13/2021 10:48:00 AM	WATER	SW846 9060A	9060A TOC
97850	10/15/2021	ERH1805	BA43146	10/13/2021 11:50:00 AM	WATER	EPA 8260B	EPA 8260B BTEX WATER
97850	10/15/2021	ERH1805	BA43146	10/13/2021 11:50:00 AM	WATER	EPA 8260B	EPA 8260B GRO WATER
97850	10/15/2021	ERH1806	BA43147	10/13/2021 11:57:00 AM	WATER	EPA 8260B	EPA 8260B BTEX WATER
97850	10/15/2021	ERH1806	BA43147	10/13/2021 11:57:00 AM	WATER	EPA 8015B-eHL	EPA 8015B TPH WATER L-L SGC
97850	10/15/2021	ERH1806	BA43147	10/13/2021 11:57:00 AM	WATER	EPA 8015B-eHL	EPA 8015B TPH LIQ-LIQ
97850	10/15/2021	ERH1806	BA43147	10/13/2021 11:57:00 AM	WATER	EPA 8260B	EPA 8260B GRO WATER
97850	10/15/2021	ERH1806	BA43147	10/13/2021 11:57:00 AM	WATER	8270D-SIM	EPA 8270D SIM LIQ-LIQ
97850	10/15/2021	ERH1806	BA43147	10/13/2021 11:57:00 AM	WATER	SW846 9060A	9060A TOC
97850	10/15/2021	ERH1808	BA43148	10/13/2021 12:53:00 PM	WATER	EPA 8260B	EPA 8260B BTEX WATER
97850	10/15/2021	ERH1808	BA43148	10/13/2021 12:53:00 PM	WATER	EPA 8260B	EPA 8260B GRO WATER
97850	10/15/2021	ERH1809	BA43149	10/13/2021 12:55:00 PM	WATER	EPA 8260B	EPA 8260B BTEX WATER
97850	10/15/2021	ERH1809	BA43149	10/13/2021 12:55:00 PM	WATER	EPA 8015B-eHL	EPA 8015B TPH WATER L-L SGC
97850	10/15/2021	ERH1809	BA43149	10/13/2021 12:55:00 PM	WATER	EPA 8015B-eHL	EPA 8015B TPH LIQ-LIQ
97850	10/15/2021	ERH1809	BA43149	10/13/2021 12:55:00 PM	WATER	EPA 8260B	EPA 8260B GRO WATER
97850	10/15/2021	ERH1809	BA43149	10/13/2021 12:55:00 PM	WATER	8270D-SIM	EPA 8270D SIM LIQ-LIQ
97850	10/15/2021	ERH1809	BA43149	10/13/2021 12:55:00 PM	WATER	SW846 9060A	9060A TOC
97850	10/15/2021	ERH1811	BA43150	10/13/2021 9:20:00 AM	WATER	EPA 8260B	EPA 8260B BTEX WATER
97850	10/15/2021	ERH1811	BA43150	10/13/2021 9:20:00 AM	WATER	EPA 8260B	EPA 8260B GRO WATER
97850	10/15/2021	ERH1812	BA43151	10/13/2021 9:25:00 AM	WATER	EPA 8260B	EPA 8260B BTEX WATER
97850	10/15/2021	ERH1812	BA43151	10/13/2021 9:25:00 AM	WATER	EPA 8015B-eHL	EPA 8015B TPH WATER L-L SGC
97850	10/15/2021	ERH1812	BA43151	10/13/2021 9:25:00 AM	WATER	EPA 8015B-eHL	EPA 8015B TPH LIQ-LIQ
97850	10/15/2021	ERH1812	BA43151	10/13/2021 9:25:00 AM	WATER	EPA 8260B	EPA 8260B GRO WATER
97850	10/15/2021	ERH1812	BA43151	10/13/2021 9:25:00 AM	WATER	8270D-SIM	EPA 8270D SIM LIQ-LIQ
97850	10/15/2021	ERH1812	BA43151	10/13/2021 9:25:00 AM	WATER	SW846 9060A	9060A TOC
97850	10/15/2021	ERH1803 BLANK	BA43152	10/13/2021 10:48:00 AM	WATER	EPA 8015B-eHL	EPA 8015B TPH LIQ-LIQ
97850	10/15/2021	ERH1806 BLANK	BA43153	10/13/2021 11:57:00 AM	WATER	EPA 8015B-eHL	EPA 8015B TPH LIQ-LIQ
97850	10/15/2021	ERH1809 BLANK	BA43154	10/13/2021 12:55:00 PM	WATER	EPA 8015B-eHL	EPA 8015B TPH LIQ-LIQ
97850	10/15/2021	ERH1812 BLANK	BA43155	10/13/2021 9:25:00 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 97850

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** # **53175,53176**
RAD Screen (Y/N): **Y** pH (Y/N): **Y**
Turn Around Type: **1 WEEK**

Received by: **MSA**
Date Received: **10/15/21** Time: **13:15**
Delivered by: **FEDEX**
Shuttle Custody Seals (Y/N): **Y** Time Zone: **-10**
Chest Temp(s): **2.1,2.1°C**
Color: **VFRG/Receiving**
Samples Chilled until Placed in Refrig/Freezer: **Y**
Project Manager: **Libby Cheesebor**
QC Report Type: **DVP4DOD/EQUIS/HI**
Due Date: **10/22/21**

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-$GRO86BW
Wetlab: 4-$TOCW53

Charges:

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

	Client ID	APPL ID	Sampled		Analyses Requested
1.	ERH1802	LCSD BA43144W	10/13/21	10:45	$86BTOTXDOD5W, $GASBL, $GRO86BW -- See Comments
2.	ERH1803	LCSD BA43145W	10/13/21	10:48	$86BTOTXDOD5W, $DOC53SGCW5LIQ, $DOC53W5LIQ, $GASBL, $GRO86BW, $SIM53LIQ51, $TOCW53 -- See Comments
3.	ERH1805	LCSD BA43146W	10/13/21	11:50	$86BTOTXDOD5W, $GASBL, $GRO86BW -- See Comments
4.	ERH1806	LCSD BA43147W	10/13/21	11:57	$86BTOTXDOD5W, $DOC53SGCW5LIQ, $DOC53W5LIQ, $GASBL, $GRO86BW, $SIM53LIQ51, $TOCW53 -- See Comments

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

5.	ERH1808	LCSD BA43148W	10/13/21	12:53	$86BTOTXDOD5W, $GASBL, $GRO86BW -- See Comments
6.	ERH1809	LCSD BA43149W	10/13/21	12:55	$86BTOTXDOD5W, $DOC53SGCW5LIQ, $DOC53W5LIQ, $GASBL, $GRO86BW, $SIM53LIQ51, $TOCW53 -- See Comments
7.	ERH1811	LCSD BA43150W	10/13/21	09:20	$86BTOTXDOD5W, $GASBL, $GRO86BW -- See Comments
8.	ERH1812	LCSD BA43151W	10/13/21	09:25	$86BTOTXDOD5W, $DOC53SGCW5LIQ, $DOC53W5LIQ, $GASBL, $GRO86BW, $SIM53LIQ51, $TOCW53 -- See Comments
9.	ERH1803 BLANK	LCSD BA43152W	10/13/21	10:48	$RHBLKETBLK -- See Comments
10.	ERH1806 BLANK	LCSD BA43153W	10/13/21	11:57	$RHBLKETBLK -- See Comments
11.	ERH1809 BLANK	LCSD BA43154W	10/13/21	12:55	$RHBLKETBLK -- See Comments
12.	ERH1812 BLANK	LCSD BA43155W	10/13/21	09:25	$RHBLKETBLK -- See Comments

APPL Sample Receipt Form

ARF# **97850**

Sample	Container Type	Count	p
BA43144	[13] VOAs - HCL	4	NA
BA43145	[13] VOAs - HCL	4	NA
	[17] Amber Liter	2	NA
	[32] Clear VOA - H2SO4	2	NA
	[39] Amber Liter, HCL prsvd	1	1.3
	[39] Amber Liter, HCL prsvd	1	1.6
BA43146	[13] VOAs - HCL	4	NA
BA43147	[13] VOAs - HCL	4	NA
	[17] Amber Liter	2	NA
	[32] Clear VOA - H2SO4	2	NA
	[39] Amber Liter, HCL prsvd	2	1.3
BA43148	[13] VOAs - HCL	4	NA
BA43149	[13] VOAs - HCL	4	NA
	[17] Amber Liter	2	NA
	[32] Clear VOA - H2SO4	2	NA
	[39] Amber Liter, HCL prsvd	1	1.3
	[39] Amber Liter, HCL prsvd	1	1.6
BA43150	[13] VOAs - HCL	4	NA
BA43151	[13] VOAs - HCL	4	NA
	[17] Amber Liter	2	NA
	[32] Clear VOA - H2SO4	2	NA
	[39] Amber Liter, HCL prsvd	2	1.3
BA43152	[39] Amber Liter, HCL prsvd	1	NA
BA43153	[39] Amber Liter, HCL prsvd	1	NA
BA43154	[39] Amber Liter, HCL prsvd	1	NA
BA43155	[39] Amber Liter, HCL prsvd	1	NA

Sample	Container Type	Count	p

97850
1/2

APPL LABS

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

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

CHAIN OF CUSTODY RECORD

C.O.C. 53175 NOI

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

Project Name/Number	Sampler (Print)
60571032.02.20.01	Gavin Mun
Purchase Order Number	**Sampler (Signature)**
102604	

Sample Identification	Location	Date Collected	Time Collected	Time Zone	No. of Containers	Matrix: Aq	Sed.	Soil	BTEX by 8260	TPH-G by 8260	TPH-D/O by 8015	TPH-D/O by SGC (8015)	PAH Short List 8270D SIM	TOC by 9060	Date Shipped: 10/14/21
															Carrier: FedEx
															Waybill No.:
															Comments:
															Note: NOI log in
ERH1802	Trip Blank	10/13/21	1045	HST	4	X			X	X					separate from other
ERH1803	RHMW01R		1048		10	X			X	X	X	X	X*	X	COCs
ERH1805	Trip Blank		1150		4	X			X	X					
ERH1806	RHMW02		1157		10	X			X	X	X	X	X*	X	
ERH1808	Trip Blank		1253		0	X			X	X					TPH-D/O and PAHs need
ERH1809	RHMW03		1255		0	X			X	X	X	X	X*	X	liquid-liquid extraction;
ERH1811	Trip Blank		0920		0	X			X	X					*Naphthalene
ERH1812	RHMW05		0925		0	X			X	X	X	X	X*	X	1-methylnaphthalene
															2-methylnaphthalene

Jn 10/14/21

Shuttle Temperature: R3 C4.0/2.1, 4.0/2.1°C

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

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

Relinquished by sampler:	Date	Time	Received by:	Relinquished by:	Date	Time	Received by:
Relinquished by: Tianzhen Nie	10/14/21	13:00	Received by:	Relinquished by:	10-15-21	1315	Received at lab by:

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

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

CHAIN OF CUSTODY RECORD

2/2

C.O.C. 53176 NOI

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

Project Name/Number	Sampler (Print)
60571032.02.20.01	Gavin Mun
Purchase Order Number	**Sampler (Signature)**
102604	

Sample Identification	Location	Date Collected	Time Collected	Time Zone	No. of Containers	Matrix: Aq	Sed.	Soil	BTEX by 8260	TPH-G by 8260	TPH-d/o 8015	TPH-d/o +SGC 8015	PAH SIM List 8270D SIM	TOC by 9060	
ERH1802	Trip Blank	10/13/21	1045	HST	0	X			X	X					
ERH1803	RHMW01R		1048		0	X			X	X	X	X	X*	X	
ERH1805	Trip Blank		1150		0	X			X	X					
ERH1806	RHMW02		1157		0	X			X	X	X	X	X*	X	
ERH1808	Trip Blank		1253		4	X			X	X					
ERH1809	RHMW03		1255		10	X			X	X	X	X	X*	X	
ERH1811	Trip Blank		0920		4	X			X	X					
ERH1812	RHMW05		0925		10	X			X	X	X	X	X*	X	

Analysis Requested/Method Number

Date Shipped: 10/14/21
Carrier: FedEx
Waybill No.:
Comments:
Note: NOI log in separate from other COCs

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

Relinquished by: 10/14/21

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

Relinquished by sampler:	Date	Time	Received by:	Relinquished by:	Date	Time	Received by:
Relinquished by: Tianzhen Nie	Date 10/14/21	Time 13:00	Received by:	Relinquished by:	Date 10-15-21	Time 1315	Received at lab by:

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

COOLER RECEIPT FORM **ARF: 97850**

1) Project: 60571032 CV18F0126 Red Hill Fuel Storage Date Received: 10/15/2021

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: __ bubble wrap __ popcorn __ foam __ plastic bags __ other
__ 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: 4.0/2.1 2: 4.0/2.1 3: ____ 4: ____ 5: ____ 6: ____
7: ____ 8: ____ 9: ____ 10: ____ 11: ____ 12: ____

Chain of custody:

9) YES Was a chain of custody received?

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

Sample Labels:

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

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

Sample Containers:

13) YES Were all containers sealed in separate bags?

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

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

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

17) Yes Were bubbles present in volatile samples?
If yes, the following were received with air bubbles:
Larger than a pea: ____
Smaller than a pea: BA43145W06

Preservation Hold time:

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

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

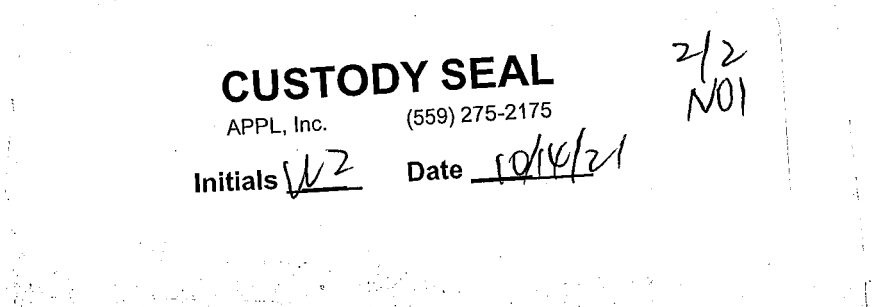
20) Yes Was the pH of acid preserved non-VOA samples < 2?

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

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

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

Notes/Deficiencies:



Personnel receiving samples: MS Second reviewer: MS
Personnel labeling samples: DH
Project manager notified: MS Date/Time of notification 10/15/2021
Name of client notified: ____ Date/Time of notification ____

SAMPLE RESULTS

EPA 8015B TPH WATER L-L SGC

AECOM
1001 Bishop Street, Suite 1600
Honolulu, HI 96813

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 97850

Sample ID: ERH1803

APPL ID: BA43145

Sample Collection Date: 10/13/21

QCG: #DOC53-211018A1-269387

Method	Analyte	Result	LOQ	LOD	DL	Units	Extraction Date	Analysis Date
EPA 8015B-e	DIESEL (C10-C24)	300.0 U	320	300.0	150.0	ug/L	10/18/21	10/22/21
EPA 8015B-e	OIL (C24-C40)	300.0 U	320	300.0	150.0	ug/L	10/18/21	10/22/21
EPA 8015B-e	SURROGATE: (R) DECANOIC ACID (S)	0.0	0-1			%	10/18/21	10/22/21
EPA 8015B-e	SURROGATE: OCTACOSANE (S)	92.5	60-142			%	10/18/21	10/22/21
EPA 8015B-e	SURROGATE: ORTHO-TERPHENYL (S)	76.7	56-125			%	10/18/21	10/22/21

Quant Method:	DEC0911.M
Run #:	1021034
Instrument:	Apollo
Sequence:	211021
Dilution Factor:	1
Initials:	KAB

Printed: 10/25/2021 10:19:33 AM

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

EPA 8015B TPH LIQ-LIQ

AECOM
1001 Bishop Street, Suite 1600
Honolulu, HI 96813

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 97850

Sample ID: ERH1803

APPL ID: BA43145

Sample Collection Date: 10/13/21

QCG: #DOC53-211018A-269384

Method	Analyte	Result	LOQ	LOD	DL	Units	Extraction Date	Analysis Date
EPA 8015B-e	DIESEL (C10-C24)	540	320	300.0	150.0	ug/L	10/18/21	10/23/21
EPA 8015B-e	OIL (C24-C40)	240 J	320	300.0	150.0	ug/L	10/18/21	10/23/21
EPA 8015B-e	SURROGATE: OCTACOSANE (S)	101	60-142			%	10/18/21	10/23/21
EPA 8015B-e	SURROGATE: ORTHO-TERPHENYL (S)	85.0	56-125			%	10/18/21	10/23/21

J = Estimated value.

Quant Method:	DOC0830.M
Run #:	1021111
Instrument:	Apollo
Sequence:	211021
Dilution Factor:	1
Initials:	KAB

Printed: 10/25/2021 10:19:33 AM

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

EPA 8015B TPH WATER L-L SGC

AECOM
1001 Bishop Street, Suite 1600
Honolulu, HI 96813

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 97850

Sample ID: ERH1806

APPL ID: BA43147

Sample Collection Date: 10/13/21

QCG: #DOC53-211018A1-269387

Method	Analyte	Result	LOQ	LOD	DL	Units	Extraction Date	Analysis Date
EPA 8015B-e	DIESEL (C10-C24)	1400	320	300.0	150.0	ug/L	10/18/21	10/22/21
EPA 8015B-e	OIL (C24-C40)	170 J	320	300.0	150.0	ug/L	10/18/21	10/22/21
EPA 8015B-e	SURROGATE: (R) DECANOIC ACID (S)	0.0	0-1			%	10/18/21	10/22/21
EPA 8015B-e	SURROGATE: OCTACOSANE (S)	164 #	60-142			%	10/18/21	10/22/21
EPA 8015B-e	SURROGATE: ORTHO-TERPHENYL (S)	128 #	56-125			%	10/18/21	10/22/21

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

Quant Method:	DEC0911.M
Run #:	1021035
Instrument:	Apollo
Sequence:	211021
Dilution Factor:	1
Initials:	KAB

Printed: 10/25/2021 10:19:33 AM
APPL-F1-SC-NoMC-REG MDLs-DOD

EPA 8015B TPH LIQ-LIQ

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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: 97850

Sample ID: ERH1806

APPL ID: BA43147

Sample Collection Date: 10/13/21

QCG: #DOC53-211018A-269384

Method	Analyte	Result	LOQ	LOD	DL	Units	Extraction Date	Analysis Date
EPA 8015B-e	DIESEL (C10-C24)	3000	320	300.0	150.0	ug/L	10/18/21	10/23/21
EPA 8015B-e	OIL (C24-C40)	320	320	300.0	150.0	ug/L	10/18/21	10/23/21
EPA 8015B-e	SURROGATE: OCTACOSANE (S)	104	60-142			%	10/18/21	10/23/21
EPA 8015B-e	SURROGATE: ORTHO-TERPHENYL (S)	87.0	56-125			%	10/18/21	10/23/21

Quant Method:	DOC0830.M
Run #:	1021112
Instrument:	Apollo
Sequence:	211021
Dilution Factor:	1
Initials:	KAB

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

EPA 8015B TPH WATER L-L SGC

AECOM
1001 Bishop Street, Suite 1600
Honolulu, HI 96813

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 97850

Sample ID: ERH1809

APPL ID: BA43149

Sample Collection Date: 10/13/21

QCG: #DOC53-211018A1-269387

Method	Analyte	Result	LOQ	LOD	DL	Units	Extraction Date	Analysis Date
EPA 8015B-e	DIESEL (C10-C24)	300.0 U	320	300.0	150.0	ug/L	10/18/21	10/22/21
EPA 8015B-e	OIL (C24-C40)	300.0 U	320	300.0	150.0	ug/L	10/18/21	10/22/21
EPA 8015B-e	SURROGATE: (R) DECANOIC ACID (S)	0.0	0-1			%	10/18/21	10/22/21
EPA 8015B-e	SURROGATE: OCTACOSANE (S)	131	60-142			%	10/18/21	10/22/21
EPA 8015B-e	SURROGATE: ORTHO-TERPHENYL (S)	106	56-125			%	10/18/21	10/22/21

Quant Method:	DEC0911.M
Run #:	1021036
Instrument:	Apollo
Sequence:	211021
Dilution Factor:	1
Initials:	KAB

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

EPA 8015B TPH LIQ-LIQ

AECOM
1001 Bishop Street, Suite 1600
Honolulu, HI 96813

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 97850

Sample ID: ERH1809

APPL ID: BA43149

Sample Collection Date: 10/13/21

QCG: #DOC53-211018A-269384

Method	Analyte	Result	LOQ	LOD	DL	Units	Extraction Date	Analysis Date
EPA 8015B-e	DIESEL (C10-C24)	250 J	320	300.0	150.0	ug/L	10/18/21	10/23/21
EPA 8015B-e	OIL (C24-C40)	290 J	320	300.0	150.0	ug/L	10/18/21	10/23/21
EPA 8015B-e	SURROGATE: OCTACOSANE (S)	111	60-142			%	10/18/21	10/23/21
EPA 8015B-e	SURROGATE: ORTHO-TERPHENYL (S)	89.8	56-125			%	10/18/21	10/23/21

J = Estimated value.

Quant Method:	DOC0830.M
Run #:	1021113
Instrument:	Apollo
Sequence:	211021
Dilution Factor:	1
Initials:	KAB

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

EPA 8015B TPH WATER L-L SGC

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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: 97850

Sample ID: ERH1812

APPL ID: BA43151

Sample Collection Date: 10/13/21

QCG: #DOC53-211018A1-269387

Method	Analyte	Result	LOQ	LOD	DL	Units	Extraction Date	Analysis Date
EPA 8015B-e	DIESEL (C10-C24)	300.0 U	320	300.0	150.0	ug/L	10/18/21	10/22/21
EPA 8015B-e	OIL (C24-C40)	240 J	320	300.0	150.0	ug/L	10/18/21	10/22/21
EPA 8015B-e	SURROGATE: (R) DECANOIC ACID (S)	0.0	0-1			%	10/18/21	10/22/21
EPA 8015B-e	SURROGATE: OCTACOSANE (S)	218 #	60-142			%	10/18/21	10/22/21
EPA 8015B-e	SURROGATE: ORTHO-TERPHENYL (S)	179 #	56-125			%	10/18/21	10/22/21

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

Quant Method:	DEC0911.M
Run #:	1021037
Instrument:	Apollo
Sequence:	211021
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: 97850

Sample ID: ERH1812

APPL ID: BA43151

Sample Collection Date: 10/13/21

QCG: #DOC53-211018A-269384

Method	Analyte	Result	LOQ	LOD	DL	Units	Extraction Date	Analysis Date
EPA 8015B-e	DIESEL (C10-C24)	190 J	320	300.0	150.0	ug/L	10/18/21	10/23/21
EPA 8015B-e	OIL (C24-C40)	240 J	320	300.0	150.0	ug/L	10/18/21	10/23/21
EPA 8015B-e	SURROGATE: OCTACOSANE (S)	105	60-142			%	10/18/21	10/23/21
EPA 8015B-e	SURROGATE: ORTHO-TERPHENYL (S)	87.6	56-125			%	10/18/21	10/23/21

J = Estimated value.

Quant Method:	DOC0830.M
Run #:	1021114
Instrument:	Apollo
Sequence:	211021
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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Honolulu, HI 96813

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 97850

Sample ID: ERH1803 BLANK

APPL ID: BA43152

Sample Collection Date: 10/13/21

QCG: #RHBLK-211015A-269383

Method	Analyte	Result	LOQ	LOD	DL	Units	Extraction Date	Analysis Date
EPA 8015B-e	DIESEL (C10-C24)	300.0 U	320	300.0	150.0	ug/L	10/15/21	10/23/21
EPA 8015B-e	OIL (C24-C40)	300.0 U	320	300.0	150.0	ug/L	10/15/21	10/23/21
EPA 8015B-e	SURROGATE: OCTACOSANE (S)	95.6	60-142			%	10/15/21	10/23/21
EPA 8015B-e	SURROGATE: ORTHO-TERPHENYL (S)	80.1	56-125			%	10/15/21	10/23/21

Quant Method:	DOC0830.M
Run #:	1021079
Instrument:	Apollo
Sequence:	211021
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: 97850

Sample ID: ERH1806 BLANK

APPL ID: BA43153

Sample Collection Date: 10/13/21

QCG: #RHBLK-211015A-269383

Method	Analyte	Result	LOQ	LOD	DL	Units	Extraction Date	Analysis Date
EPA 8015B-e	DIESEL (C10-C24)	300.0 U	320	300.0	150.0	ug/L	10/15/21	10/23/21
EPA 8015B-e	OIL (C24-C40)	300.0 U	320	300.0	150.0	ug/L	10/15/21	10/23/21
EPA 8015B-e	SURROGATE: OCTACOSANE (S)	111	60-142			%	10/15/21	10/23/21
EPA 8015B-e	SURROGATE: ORTHO-TERPHENYL (S)	92.0	56-125			%	10/15/21	10/23/21

Quant Method:	DOC0830.M
Run #:	1021080
Instrument:	Apollo
Sequence:	211021
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: 97850

Sample ID: ERH1809 BLANK

APPL ID: BA43154

Sample Collection Date: 10/13/21

QCG: #RHBLK-211015A-269383

Method	Analyte	Result	LOQ	LOD	DL	Units	Extraction Date	Analysis Date
EPA 8015B-e	DIESEL (C10-C24)	300.0 U	320	300.0	150.0	ug/L	10/15/21	10/23/21
EPA 8015B-e	OIL (C24-C40)	300.0 U	320	300.0	150.0	ug/L	10/15/21	10/23/21
EPA 8015B-e	SURROGATE: OCTACOSANE (S)	96.0	60-142			%	10/15/21	10/23/21
EPA 8015B-e	SURROGATE: ORTHO-TERPHENYL (S)	80.6	56-125			%	10/15/21	10/23/21

Quant Method:	DOC0830.M
Run #:	1021082
Instrument:	Apollo
Sequence:	211021
Dilution Factor:	1
Initials:	KAB

Printed: 10/25/2021 10:19:33 AM

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

EPA 8015B TPH LIQ-LIQ

AECOM
1001 Bishop Street, Suite 1600
Honolulu, HI 96813

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 97850

Sample ID: ERH1812 BLANK

APPL ID: BA43155

Sample Collection Date: 10/13/21

QCG: #RHBLK-211015A-269383

Method	Analyte	Result	LOQ	LOD	DL	Units	Extraction Date	Analysis Date
EPA 8015B-e	DIESEL (C10-C24)	300.0 U	320	300.0	150.0	ug/L	10/15/21	10/23/21
EPA 8015B-e	OIL (C24-C40)	300.0 U	320	300.0	150.0	ug/L	10/15/21	10/23/21
EPA 8015B-e	SURROGATE: OCTACOSANE (S)	105	60-142			%	10/15/21	10/23/21
EPA 8015B-e	SURROGATE: ORTHO-TERPHENYL (S)	88.3	56-125			%	10/15/21	10/23/21

Quant Method:	DOC0830.M
Run #:	1021083
Instrument:	Apollo
Sequence:	211021
Dilution Factor:	1
Initials:	KAB

Printed: 10/25/2021 10:19:33 AM

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

EPA 8270D SIM LIQ-LIQ

AECOM
1001 Bishop Street, Suite 1600
Honolulu, HI 96813

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 97850

Sample ID: ERH1803

APPL ID: BA43145

Sample Collection Date: 10/13/21

QCG: #SIM53-211019AK-269472

Method	Analyte	Result	LOQ	LOD	DL	Units	Extraction Date	Analysis Date
8270D-SIM	1-METHYLNAPHTHALENE	0.12 J	0.2	0.10	0.04	ug/L	10/19/21	10/25/21
8270D-SIM	2-METHYLNAPHTHALENE	0.10 U	0.2	0.10	0.04	ug/L	10/19/21	10/25/21
8270D-SIM	NAPHTHALENE	0.10 U	0.2	0.10	0.04	ug/L	10/19/21	10/25/21
8270D-SIM	SURROGATE: 2-METHYLNAPHTHALEN	75.4	39-114			%	10/19/21	10/25/21
8270D-SIM	SURROGATE: FLUORANTHENE-D10 (S	51.3 #	58-120			%	10/19/21	10/25/21

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

Quant Method:	K1019.M
Run #:	1019K096
Instrument:	KYLO
Sequence:	211019
Dilution Factor:	1
Initials:	LSI

Printed: 11/18/2021 5:11:45 PM
APPL-F1-SC-NoMC-REG MDLs-DOD

EPA 8270D SIM LIQ-LIQ

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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: 97850

Sample ID: ERH1806

APPL ID: BA43147

Sample Collection Date: 10/13/21

QCG: #SIM53-211019AK-269472

Method	Analyte	Result	LOQ	LOD	DL	Units	Extraction Date	Analysis Date
8270D-SIM	1-METHYLNAPHTHALENE	20	0.2	0.10	0.04	ug/L	10/19/21	10/25/21
8270D-SIM	2-METHYLNAPHTHALENE	21	0.2	0.10	0.04	ug/L	10/19/21	10/25/21
8270D-SIM	NAPHTHALENE	46	0.2	0.10	0.04	ug/L	10/19/21	10/25/21
8270D-SIM	SURROGATE: 2-METHYLNAPHTHALEN	63.0	39-114			%	10/19/21	10/25/21
8270D-SIM	SURROGATE: FLUORANTHENE-D10 (S	27.3 #	58-120			%	10/19/21	10/25/21

= Recovery (or RPD) is outside QC limits.

Quant Method:	K1019.M
Run #:	1019K097
Instrument:	KYLO
Sequence:	211019
Dilution Factor:	1
Initials:	LSI

Printed: 11/18/2021 5:11:45 PM

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

EPA 8270D SIM LIQ-LIQ

AECOM
1001 Bishop Street, Suite 1600
Honolulu, HI 96813

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 97850

Sample ID: ERH1809

APPL ID: BA43149

Sample Collection Date: 10/13/21

QCG: #SIM53-211019AK-269472

Method	Analyte	Result	LOQ	LOD	DL	Units	Extraction Date	Analysis Date
8270D-SIM	1-METHYLNAPHTHALENE	0.10 U	0.2	0.10	0.04	ug/L	10/19/21	10/25/21
8270D-SIM	2-METHYLNAPHTHALENE	0.10 U	0.2	0.10	0.04	ug/L	10/19/21	10/25/21
8270D-SIM	NAPHTHALENE	0.10 U	0.2	0.10	0.04	ug/L	10/19/21	10/25/21
8270D-SIM	SURROGATE: 2-METHYLNAPHTHALEN	75.0	39-114			%	10/19/21	10/25/21
8270D-SIM	SURROGATE: FLUORANTHENE-D10 (S	50.1 #	58-120			%	10/19/21	10/25/21

= Recovery (or RPD) is outside QC limits.

Quant Method:	K1019.M
Run #:	1019K098
Instrument:	KYLO
Sequence:	211019
Dilution Factor:	1
Initials:	LSI

Printed: 11/18/2021 5:11:45 PM

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

EPA 8270D SIM LIQ-LIQ

AECOM
1001 Bishop Street, Suite 1600
Honolulu, HI 96813

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 97850

Sample ID: ERH1812

APPL ID: BA43151

Sample Collection Date: 10/13/21

QCG: #SIM53-211019AK-269472

Method	Analyte	Result	LOQ	LOD	DL	Units	Extraction Date	Analysis Date
8270D-SIM	1-METHYLNAPHTHALENE	0.10 U	0.2	0.10	0.04	ug/L	10/19/21	10/25/21
8270D-SIM	2-METHYLNAPHTHALENE	0.10 U	0.2	0.10	0.04	ug/L	10/19/21	10/25/21
8270D-SIM	NAPHTHALENE	0.10 U	0.2	0.10	0.04	ug/L	10/19/21	10/25/21
8270D-SIM	SURROGATE: 2-METHYLNAPHTHALEN	82.0	39-114			%	10/19/21	10/25/21
8270D-SIM	SURROGATE: FLUORANTHENE-D10 (S	70.5	58-120			%	10/19/21	10/25/21

Quant Method:	K1019.M
Run #:	1019K099
Instrument:	KYLO
Sequence:	211019
Dilution Factor:	1
Initials:	LSI

Printed: 11/18/2021 5:11:45 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: 97850

Sample ID: ERH1802

APPL ID: BA43144

Sample Collection Date: 10/13/21

QCG: #86BTO-211018AM1-27032

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	10/18/21	10/18/21
EPA 8260B	ETHYLBENZENE	0.50 U	1.0	0.50	0.23	ug/L	10/18/21	10/18/21
EPA 8260B	TOLUENE	0.30 U	1.0	0.30	0.15	ug/L	10/18/21	10/18/21
EPA 8260B	XYLENES (TOTAL)	0.30 U	2.0	0.30	0.15	ug/L	10/18/21	10/18/21
EPA 8260B	SURROGATE: 1,2-DICHLOROETHANE-	97.2	81-118			%	10/18/21	10/18/21
EPA 8260B	SURROGATE: 4-BROMOFLUOROBENZ	98.7	85-114			%	10/18/21	10/18/21
EPA 8260B	SURROGATE: DIBROMOFLUOROMETH	102	80-119			%	10/18/21	10/18/21
EPA 8260B	SURROGATE: TOLUENE-D8 (S)	101	89-112			%	10/18/21	10/18/21

Quant Method: M1015W.M
Run #: 1018M19
Instrument: Max
Sequence: 211015
Dilution Factor: 1
Initials: MHO

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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: 97850

Sample ID: ERH1803

APPL ID: BA43145

Sample Collection Date: 10/13/21

QCG: #86BTO-211018AM1-27032

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	10/18/21	10/18/21
EPA 8260B	ETHYLBENZENE	0.50 U	1.0	0.50	0.23	ug/L	10/18/21	10/18/21
EPA 8260B	TOLUENE	0.30 U	1.0	0.30	0.15	ug/L	10/18/21	10/18/21
EPA 8260B	XYLENES (TOTAL)	0.30 U	2.0	0.30	0.15	ug/L	10/18/21	10/18/21
EPA 8260B	SURROGATE: 1,2-DICHLOROETHANE-	98.0	81-118			%	10/18/21	10/18/21
EPA 8260B	SURROGATE: 4-BROMOFLUOROBENZ	97.9	85-114			%	10/18/21	10/18/21
EPA 8260B	SURROGATE: DIBROMOFLUOROMETH	104	80-119			%	10/18/21	10/18/21
EPA 8260B	SURROGATE: TOLUENE-D8 (S)	98.5	89-112			%	10/18/21	10/18/21

Quant Method:	M1015W.M
Run #:	1018M20
Instrument:	Max
Sequence:	211015
Dilution Factor:	1
Initials:	MHO

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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: 97850

Sample ID: ERH1805

APPL ID: BA43146

Sample Collection Date: 10/13/21

QCG: #86BTO-211018AM1-27032

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	10/18/21	10/18/21
EPA 8260B	ETHYLBENZENE	0.50 U	1.0	0.50	0.23	ug/L	10/18/21	10/18/21
EPA 8260B	TOLUENE	0.30 U	1.0	0.30	0.15	ug/L	10/18/21	10/18/21
EPA 8260B	XYLENES (TOTAL)	0.30 U	2.0	0.30	0.15	ug/L	10/18/21	10/18/21
EPA 8260B	SURROGATE: 1,2-DICHLOROETHANE-	97.4	81-118			%	10/18/21	10/18/21
EPA 8260B	SURROGATE: 4-BROMOFLUOROBENZ	97.2	85-114			%	10/18/21	10/18/21
EPA 8260B	SURROGATE: DIBROMOFLUOROMETH	99.8	80-119			%	10/18/21	10/18/21
EPA 8260B	SURROGATE: TOLUENE-D8 (S)	97.7	89-112			%	10/18/21	10/18/21

Quant Method:	M1015W.M
Run #:	1018M21
Instrument:	Max
Sequence:	211015
Dilution Factor:	1
Initials:	MHO

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

EPA 8260B BTEX 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: 97850

Sample ID: ERH1806

APPL ID: BA43147

Sample Collection Date: 10/13/21

QCG: #86BTO-211018AM1-27032

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	10/19/21	10/19/21
EPA 8260B	ETHYLBENZENE	0.50 U	1.0	0.50	0.23	ug/L	10/19/21	10/19/21
EPA 8260B	TOLUENE	0.30 U	1.0	0.30	0.15	ug/L	10/19/21	10/19/21
EPA 8260B	XYLENES (TOTAL)	0.30 U	2.0	0.30	0.15	ug/L	10/19/21	10/19/21
EPA 8260B	SURROGATE: 1,2-DICHLOROETHANE-	95.9	81-118			%	10/19/21	10/19/21
EPA 8260B	SURROGATE: 4-BROMOFLUOROBENZ	101	85-114			%	10/19/21	10/19/21
EPA 8260B	SURROGATE: DIBROMOFLUOROMETH	100.0	80-119			%	10/19/21	10/19/21
EPA 8260B	SURROGATE: TOLUENE-D8 (S)	99.4	89-112			%	10/19/21	10/19/21

Quant Method: M1015W.M
Run #: 1018M22
Instrument: Max
Sequence: 211015
Dilution Factor: 1
Initials: MHO

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

EPA 8260B BTEX 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: 97850

Sample ID: ERH1808

APPL ID: BA43148

Sample Collection Date: 10/13/21

QCG: #86BTO-211018AM1-27032

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	10/19/21	10/19/21
EPA 8260B	ETHYLBENZENE	0.50 U	1.0	0.50	0.23	ug/L	10/19/21	10/19/21
EPA 8260B	TOLUENE	0.30 U	1.0	0.30	0.15	ug/L	10/19/21	10/19/21
EPA 8260B	XYLENES (TOTAL)	0.30 U	2.0	0.30	0.15	ug/L	10/19/21	10/19/21
EPA 8260B	SURROGATE: 1,2-DICHLOROETHANE-	93.8	81-118			%	10/19/21	10/19/21
EPA 8260B	SURROGATE: 4-BROMOFLUOROBENZ	99.4	85-114			%	10/19/21	10/19/21
EPA 8260B	SURROGATE: DIBROMOFLUOROMETH	99.5	80-119			%	10/19/21	10/19/21
EPA 8260B	SURROGATE: TOLUENE-D8 (S)	102	89-112			%	10/19/21	10/19/21

Quant Method: M1015W.M
Run #: 1018M23
Instrument: Max
Sequence: 211015
Dilution Factor: 1
Initials: MHO

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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: 97850

Sample ID: ERH1809

APPL ID: BA43149

Sample Collection Date: 10/13/21

QCG: #86BTO-211018AM1-27032

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	10/19/21	10/19/21
EPA 8260B	ETHYLBENZENE	0.50 U	1.0	0.50	0.23	ug/L	10/19/21	10/19/21
EPA 8260B	TOLUENE	0.30 U	1.0	0.30	0.15	ug/L	10/19/21	10/19/21
EPA 8260B	XYLENES (TOTAL)	0.30 U	2.0	0.30	0.15	ug/L	10/19/21	10/19/21
EPA 8260B	SURROGATE: 1,2-DICHLOROETHANE-	94.4	81-118			%	10/19/21	10/19/21
EPA 8260B	SURROGATE: 4-BROMOFLUOROBENZ	97.9	85-114			%	10/19/21	10/19/21
EPA 8260B	SURROGATE: DIBROMOFLUOROMETH	99.3	80-119			%	10/19/21	10/19/21
EPA 8260B	SURROGATE: TOLUENE-D8 (S)	101	89-112			%	10/19/21	10/19/21

Quant Method:	M1015W.M
Run #:	1018M24
Instrument:	Max
Sequence:	211015
Dilution Factor:	1
Initials:	MHO

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

EPA 8260B BTEX 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: 97850

Sample ID: ERH1811

APPL ID: BA43150

Sample Collection Date: 10/13/21

QCG: #86BTO-211018AM1-27032

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	10/19/21	10/19/21
EPA 8260B	ETHYLBENZENE	0.50 U	1.0	0.50	0.23	ug/L	10/19/21	10/19/21
EPA 8260B	TOLUENE	0.30 U	1.0	0.30	0.15	ug/L	10/19/21	10/19/21
EPA 8260B	XYLENES (TOTAL)	0.30 U	2.0	0.30	0.15	ug/L	10/19/21	10/19/21
EPA 8260B	SURROGATE: 1,2-DICHLOROETHANE-	100	81-118			%	10/19/21	10/19/21
EPA 8260B	SURROGATE: 4-BROMOFLUOROBENZ	100	85-114			%	10/19/21	10/19/21
EPA 8260B	SURROGATE: DIBROMOFLUOROMETH	101	80-119			%	10/19/21	10/19/21
EPA 8260B	SURROGATE: TOLUENE-D8 (S)	99.7	89-112			%	10/19/21	10/19/21

Quant Method: M1015W.M
Run #: 1018M25
Instrument: Max
Sequence: 211015
Dilution Factor: 1
Initials: MHO

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EPA 8260B BTEX 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: 97850

Sample ID: ERH1812

APPL ID: BA43151

Sample Collection Date: 10/13/21

QCG: #86BTO-211018AM1-27032

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	10/19/21	10/19/21
EPA 8260B	ETHYLBENZENE	0.50 U	1.0	0.50	0.23	ug/L	10/19/21	10/19/21
EPA 8260B	TOLUENE	0.30 U	1.0	0.30	0.15	ug/L	10/19/21	10/19/21
EPA 8260B	XYLENES (TOTAL)	0.30 U	2.0	0.30	0.15	ug/L	10/19/21	10/19/21
EPA 8260B	SURROGATE: 1,2-DICHLOROETHANE-	94.0	81-118			%	10/19/21	10/19/21
EPA 8260B	SURROGATE: 4-BROMOFLUOROBENZ	98.7	85-114			%	10/19/21	10/19/21
EPA 8260B	SURROGATE: DIBROMOFLUOROMETH	101	80-119			%	10/19/21	10/19/21
EPA 8260B	SURROGATE: TOLUENE-D8 (S)	101	89-112			%	10/19/21	10/19/21

Quant Method: M1015W.M
Run #: 1018M26
Instrument: Max
Sequence: 211015
Dilution Factor: 1
Initials: MHO

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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: 97850

Sample ID: ERH1802

APPL ID: BA43144

Sample Collection Date: 10/13/21

QCG: #GRO86-211018AM1-27033

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	10/18/21	10/18/21
EPA 8260B	SURROGATE: 4-BROMOFLUOROBENZ	98.7	85-114			%	10/18/21	10/18/21

Quant Method:	MGAS0825.M
Run #:	1018M19
Instrument:	Max
Sequence:	211015
Dilution Factor:	1
Initials:	MHO

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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: 97850

Sample ID: ERH1803

APPL ID: BA43145

Sample Collection Date: 10/13/21

QCG: #GRO86-211018AM1-27033

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	10/18/21	10/18/21
EPA 8260B	SURROGATE: 4-BROMOFLUOROBENZ	97.9	85-114			%	10/18/21	10/18/21

Quant Method:	MGAS0825.M
Run #:	1018M20
Instrument:	Max
Sequence:	211015
Dilution Factor:	1
Initials:	MHO

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

EPA 8260B GRO 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: 97850

Sample ID: ERH1805

APPL ID: BA43146

Sample Collection Date: 10/13/21

QCG: #GRO86-211018AM1-27033

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	10/18/21	10/18/21
EPA 8260B	SURROGATE: 4-BROMOFLUOROBENZ	97.2	85-114			%	10/18/21	10/18/21

Quant Method:	MGAS0825.M
Run #:	1018M21
Instrument:	Max
Sequence:	211015
Dilution Factor:	1
Initials:	MHO

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

EPA 8260B GRO WATER

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908 North Temperance Avenue
Clovis, CA 93611

Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 97850

Sample ID: ERH1806

APPL ID: BA43147

Sample Collection Date: 10/13/21

QCG: #GRO86-211018AM1-27033

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	10/19/21	10/19/21
EPA 8260B	SURROGATE: 4-BROMOFLUOROBENZ	101	85-114			%	10/19/21	10/19/21

Quant Method:	MGAS0825.M
Run #:	1018M22
Instrument:	Max
Sequence:	211015
Dilution Factor:	1
Initials:	MHO

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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: 97850

Sample ID: ERH1808

APPL ID: BA43148

Sample Collection Date: 10/13/21

QCG: #GRO86-211018AM1-27033

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	10/19/21	10/19/21
EPA 8260B	SURROGATE: 4-BROMOFLUOROBENZ	99.4	85-114			%	10/19/21	10/19/21

Quant Method:	MGAS0825.M
Run #:	1018M23
Instrument:	Max
Sequence:	211015
Dilution Factor:	1
Initials:	MHO

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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: 97850

Sample ID: ERH1809

APPL ID: BA43149

Sample Collection Date: 10/13/21

QCG: #GRO86-211018AM1-27033

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	10/19/21	10/19/21
EPA 8260B	SURROGATE: 4-BROMOFLUOROBENZ	97.9	85-114			%	10/19/21	10/19/21

Quant Method:	MGAS0825.M
Run #:	1018M24
Instrument:	Max
Sequence:	211015
Dilution Factor:	1
Initials:	MHO

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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: 97850

Sample ID: ERH1811

APPL ID: BA43150

Sample Collection Date: 10/13/21

QCG: #GRO86-211018AM1-27033

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	10/19/21	10/19/21
EPA 8260B	SURROGATE: 4-BROMOFLUOROBENZ	100	85-114			%	10/19/21	10/19/21

Quant Method:	MGAS0825.M
Run #:	1018M25
Instrument:	Max
Sequence:	211015
Dilution Factor:	1
Initials:	MHO

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

EPA 8260B GRO WATER

AECOM
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APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 97850

Sample ID: ERH1812

APPL ID: BA43151

Sample Collection Date: 10/13/21

QCG: #GRO86-211018AM1-27033

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	10/19/21	10/19/21
EPA 8260B	SURROGATE: 4-BROMOFLUOROBENZ	98.7	85-114			%	10/19/21	10/19/21

Quant Method:	MGAS0825.M
Run #:	1018M26
Instrument:	Max
Sequence:	211015
Dilution Factor:	1
Initials:	MHO

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

Wet Lab Analysis

AECOM
1001 Bishop Street, Suite 1600
Honolulu, HI 96813

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

Sample ID: ERH1803

APPL ID: BA43145

Sample Collection Date: 10/13/2021

ARF: 97850

Method	Analyte	Result	LOQ	LOD	DL	Units	DF	Prep Date	Analysis Date
SW846 9060A	TOTAL ORGANIC CARBON	21.1	4.65	1.750	0.650	mg/L	5	11/05/21	11/05/21

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APPL-F1-SC-NoMC-REG MDLs

Wet Lab Analysis

AECOM
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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

Sample ID: ERH1806

APPL ID: BA43147

Sample Collection Date: 10/13/2021

ARF: 97850

Method	Analyte	Result	LOQ	LOD	DL	Units	DF	Prep Date	Analysis Date
SW846 9060A	TOTAL ORGANIC CARBON	18.0	4.65	1.750	0.650	mg/L	5	11/05/21	11/05/21

Printed: 11/10/2021 11:33:54 AM

APPL-F1-SC-NoMC-REG MDLs

Wet Lab Analysis

AECOM
1001 Bishop Street, Suite 1600
Honolulu, HI 96813

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

Sample ID: ERH1809

APPL ID: BA43149

Sample Collection Date: 10/13/2021

ARF: 97850

Method	Analyte	Result	LOQ	LOD	DL	Units	DF	Prep Date	Analysis Date
SW846 9060A	TOTAL ORGANIC CARBON	19.7	0.93	0.350	0.130	mg/L	1	11/05/21	11/05/21

Printed: 11/10/2021 11:33:54 AM

APPL-F1-SC-NoMC-REG MDLs

Wet Lab Analysis

AECOM
1001 Bishop Street, Suite 1600
Honolulu, HI 96813

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

Sample ID: ERH1812

APPL ID: BA43151

Sample Collection Date: 10/13/2021

ARF: 97850

Method	Analyte	Result	LOQ	LOD	DL	Units	DF	Prep Date	Analysis Date
SW846 9060A	TOTAL ORGANIC CARBON	16.1	0.93	0.350	0.130	mg/L	1	10/28/21	10/28/21

Printed: 11/10/2021 11:33:54 AM

APPL-F1-SC-NoMC-REG MDLs

QC FORMS

EPA 8015B-eHL

Form 2 & 8

Surrogate Recovery

Lab Name: APPL, Inc. SDG No: 97850

Case No: 97850 Date Analyzed: 10/23/2021

Matrix: WATER Instrument: Apollo

APPL ID.	Client Sample No.	SURROGATE: OCTACOSANE (S)			SURROGATE: ORTHO-TERPHENYL (S)		
		Limits	Result	Qualifier	Limits	Result	Qualifier
211018A-BLK	Blank	60-142	97.4		56-125	81.9	
211018A-LCS	Lab Control Spike	60-142	105		56-125	100	
211018A-LCSD	Lab Control SpikeD	60-142	92.0		56-125	85.3	
BA43145	ERH1803	60-142	101		56-125	85.0	
BA43147	ERH1806	60-142	104		56-125	87.0	
BA43149	ERH1809	60-142	111		56-125	89.8	
BA43151	ERH1812	60-142	105		56-125	87.6	

Comments: Batch: #DOC53-211018A

EPA 8015B-eHL

Form 2 & 8

Surrogate Recovery

Lab Name: APPL, Inc. SDG No: 97850

Case No: 97850 Date Analyzed: 10/22/2021

Matrix: WATER Instrument: Apollo

APPL ID.	Client Sample No.	SURROGATE: (R) DECANOIC ACID (S)			SURROGATE: OCTACOSANE (S)		
		Limits	Result	Qualifier	Limits	Result	Qualifier
211018A1-BLK	Blank	0-1	0.0		60-142	92.4	
211018A1-LCS	Lab Control Spike	0-1	0.0		60-142	93.3	
211018A1-LCSD	Lab Control SpikeD	0-1	0.0		60-142	163	*
BA43145	ERH1803	0-1	0.0		60-142	92.5	
BA43147	ERH1806	0-1	0.0		60-142	164	#
BA43149	ERH1809	0-1	0.0		60-142	131	
BA43151	ERH1812	0-1	0.0		60-142	218	#

Comments: Batch: #DOC53-211018A1

* = 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: 97850

Case No: 97850 Date Analyzed: 10/22/2021

Matrix: WATER Instrument: Apollo

APPL ID.	Client Sample No.	SURROGATE: ORTHO-TERPHENYL (S)					
		Limits	Result	Qualifier	Limits	Result	Qualifier
211018A1-BLK	Blank	56-125	76.6				
211018A1-LCS	Lab Control Spike	56-125	86.7				
211018A1-LCSD	Lab Control SpikeD	56-125	151	*			
BA43145	ERH1803	56-125	76.7				
BA43147	ERH1806	56-125	128	#			
BA43149	ERH1809	56-125	106				
BA43151	ERH1812	56-125	179	#			

Comments: Batch: #DOC53-211018A1

* = 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: 97850

Case No: 97850 Date Analyzed: 10/22/2021

Matrix: WATER Instrument: Apollo

APPL ID.	Client Sample No.	SURROGATE: OCTACOSANE (S)			SURROGATE: ORTHO-TERPHENYL (S)		
		Limits	Result	Qualifier	Limits	Result	Qualifier
211015A-BLK	Blank	60-142	104		56-125	86.7	
211015A-LCS	Lab Control Spike	60-142	105		56-125	87.3	
211015A-LCSD	Lab Control SpikeD	60-142	101		56-125	84.7	
BA43152	ERH1803 BLANK	60-142	95.6		56-125	80.1	
BA43153	ERH1806 BLANK	60-142	111		56-125	92.0	
BA43154	ERH1809 BLANK	60-142	96.0		56-125	80.6	
BA43155	ERH1812 BLANK	60-142	105		56-125	88.3	

Comments: Batch: #RHBLK-211015A

EPA 8015B-eH

Form 4

Blank Summary

Lab Name: APPL, Inc. SDG No: 97850

Case No: 97850 Date Analyzed: 10/23/2021

Matrix: WATER Instrument: Apollo

Blank ID: 211018A-BLK Time Analyzed: 1303

APPL ID.	Client Sample No.	File ID.	Date Analyzed
211018A-BLK	Blank	1021105	10/23/2021 1303
211018A-LCS	Lab Control Spike	1021106	10/23/2021 1332
211018A-LCSD	Lab Control SpikeD	1021107	10/23/2021 1400
BA43145	ERH1803	1021111	10/23/2021 1553
BA43147	ERH1806	1021112	10/23/2021 1622
BA43149	ERH1809	1021113	10/23/2021 1658
BA43151	ERH1812	1021114	10/23/2021 1727

Comments: Batch: #DOC53-211018A

EPA 8015B-eH

Form 4

Blank Summary

Lab Name: APPL, Inc. SDG No: 97850

Case No: 97850 Date Analyzed: 10/22/2021

Matrix: WATER Instrument: Apollo

Blank ID: 211018A1-BLK Time Analyzed: 0054

APPL ID.	Client Sample No.	File ID.	Date Analyzed
211018A1-BLK	Blank	1021028	10/22/2021 0054
211018A1-LCS	Lab Control Spike	1021029	10/22/2021 0122
211018A1-LCSD	Lab Control SpikeD	1021030	10/22/2021 0150
BA43145	ERH1803	1021034	10/22/2021 0343
BA43147	ERH1806	1021035	10/22/2021 0411
BA43149	ERH1809	1021036	10/22/2021 0439
BA43151	ERH1812	1021037	10/22/2021 0507

Comments: Batch: #DOC53-211018A1

EPA 8015B-eH

Form 4

Blank Summary

Lab Name: APPL, Inc. SDG No: 97850

Case No: 97850 Date Analyzed: 10/22/2021

Matrix: WATER Instrument: Apollo

Blank ID: 211015A-BLK Time Analyzed: 2203

APPL ID.	Client Sample No.	File ID.	Date Analyzed
211015A-BLK	Blank	1021073	10/22/2021 2203
211015A-LCS	Lab Control Spike	1021074	10/22/2021 2231
211015A-LCSD	Lab Control SpikeD	1021075	10/22/2021 2259
BA43152	ERH1803 BLANK	1021079	10/23/2021 0052
BA43153	ERH1806 BLANK	1021080	10/23/2021 0120
BA43154	ERH1809 BLANK	1021082	10/23/2021 0216
BA43155	ERH1812 BLANK	1021083	10/23/2021 0244

Comments: Batch: #RHBLK-211015A

Method Blank
EPA 8015B TPH LIQ-LIQ

Blank Name/QCG: **211015W-42998 - 269383**
Batch ID: #RHBLK-211015A

APPL Inc.
908 North Temperance Avenu
Clovis, CA 93611

Sample Type	Analyte	Result	LOQ	LOD	DL	Units	Extraction Date	Analysis Date
BLANK	DIESEL (C10-C24)	300.0 U	320	300.0	150.0	ug/L	10/15/2021	10/22/2021
BLANK	OIL (C24-C40)	300.0 U	320	300.0	150.0	ug/L	10/15/2021	10/22/2021
BLANK	SURROGATE: OCTACOSANE (S)	104	60-142			%	10/15/2021	10/22/2021
BLANK	SURROGATE: ORTHO-TERPHEN	86.7	56-125			%	10/15/2021	10/22/2021

Quant Method: DOC0830.M
Run #: 1021073
Instrument: Apollo
Sequence: 211021
Initials: KAB

GC SC-Blank-REG MDLs-DOD
Printed: 10/25/2021 10:19:40 AM

Method Blank
EPA 8015B TPH LIQ-LIQ

Blank Name/QCG: **211018W-42994 - 269384**
Batch ID: #DOC53-211018A

APPL Inc.
908 North Temperance Avenu
Clovis, CA 93611

Sample Type	Analyte	Result	LOQ	LOD	DL	Units	Extraction Date	Analysis Date
BLANK	DIESEL (C10-C24)	300.0 U	320	300.0	150.0	ug/L	10/18/2021	10/23/2021
BLANK	OIL (C24-C40)	300.0 U	320	300.0	150.0	ug/L	10/18/2021	10/23/2021
BLANK	SURROGATE: OCTACOSANE (S)	97.4	60-142			%	10/18/2021	10/23/2021
BLANK	SURROGATE: ORTHO-TERPHEN	81.9	56-125			%	10/18/2021	10/23/2021

Quant Method: DOC0830.M
Run #: 1021105
Instrument: Apollo
Sequence: 211021
Initials: KAB

GC SC-Blank-REG MDLs-DOD
Printed: 10/25/2021 10:19:40 AM

Method Blank
EPA 8015B TPH WATER L-L SGC

APPL Inc.
908 North Temperance Avenu
Clovis, CA 93611

Blank Name/QCG: **211018W-42994 - 269387**
Batch ID: #DOC53-211018A1

Sample Type	Analyte	Result	LOQ	LOD	DL	Units	Extraction Date	Analysis Date
BLANK	DIESEL (C10-C24)	300.0 U	320	300.0	150.0	ug/L	10/18/2021	10/22/2021
BLANK	OIL (C24-C40)	300.0 U	320	300.0	150.0	ug/L	10/18/2021	10/22/2021
BLANK	SURROGATE: (R) DECANOIC AC	0.0	0-1			%	10/18/2021	10/22/2021
BLANK	SURROGATE: OCTACOSANE (S)	92.4	60-142			%	10/18/2021	10/22/2021
BLANK	SURROGATE: ORTHO-TERPHEN	76.6	56-125			%	10/18/2021	10/22/2021

Quant Method: DEC0911.M
Run #: 1021028
Instrument: Apollo
Sequence: 211021
Initials: KAB

GC SC-Blank-REG MDLs-DOD
Printed: 10/25/2021 10:19:40 AM

EPA 8015B-eH

Form 4

LCS Summary

Lab Name: APPL, Inc. SDG No: 97850

Case No: 97850 Date Analyzed: 10/23/2021

Matrix: WATER Instrument: Apollo

LCS ID: 211018A-LCS Time Analyzed: 1332

APPL ID.	Client Sample No.	File ID.	Date Analyzed
211018A-BLK	Blank	1021105	10/23/2021 1303
211018A-LCS	Lab Control Spike	1021106	10/23/2021 1332
211018A-LCSD	Lab Control SpikeD	1021107	10/23/2021 1400
BA43145	ERH1803	1021111	10/23/2021 1553
BA43147	ERH1806	1021112	10/23/2021 1622
BA43149	ERH1809	1021113	10/23/2021 1658
BA43151	ERH1812	1021114	10/23/2021 1727

Comments: Batch: #DOC53-211018A

EPA 8015B-eH

Form 4

LCS Summary

Lab Name: APPL, Inc. SDG No: 97850

Case No: 97850 Date Analyzed: 10/22/2021

Matrix: WATER Instrument: Apollo

LCS ID: 211018A1-LCS Time Analyzed: 0122

APPL ID.	Client Sample No.	File ID.	Date Analyzed
211018A1-BLK	Blank	1021028	10/22/2021 0054
211018A1-LCS	Lab Control Spike	1021029	10/22/2021 0122
211018A1-LCSD	Lab Control SpikeD	1021030	10/22/2021 0150
BA43145	ERH1803	1021034	10/22/2021 0343
BA43147	ERH1806	1021035	10/22/2021 0411
BA43149	ERH1809	1021036	10/22/2021 0439
BA43151	ERH1812	1021037	10/22/2021 0507

Comments: Batch: #DOC53-211018A1

EPA 8015B-eH

Form 4

LCS Summary

Lab Name: APPL, Inc. SDG No: 97850

Case No: 97850 Date Analyzed: 10/22/2021

Matrix: WATER Instrument: Apollo

LCS ID: 211015A-LCS Time Analyzed: 2231

APPL ID.	Client Sample No.	File ID.	Date Analyzed
211015A-BLK	Blank	1021073	10/22/2021 2203
211015A-LCS	Lab Control Spike	1021074	10/22/2021 2231
211015A-LCSD	Lab Control SpikeD	1021075	10/22/2021 2259
BA43152	ERH1803 BLANK	1021079	10/23/2021 0052
BA43153	ERH1806 BLANK	1021080	10/23/2021 0120
BA43154	ERH1809 BLANK	1021082	10/23/2021 0216
BA43155	ERH1812 BLANK	1021083	10/23/2021 0244

Comments: Batch: #RHBLK-211015A

Laboratory Control Spike Recoveries
EPA 8015B TPH LIQ-LIQ

APPL ID: **211018W-42994 LCS - 269384**
Batch ID: #DOC53-211018A

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	2040	1780	102	89.0	36-132	13.6	30
OIL (C24-C40)	2000	1980	1750	99.0	87.5	41-113	12.3	30
SURROGATE: OCTACOSANE (S)	150	157	138	105	92.0	60-142		
SURROGATE: ORTHO-TERPHENYL (S)	150	150	128	100	85.3	56-125		

Comments:

Primary	SPK	DUP
Quant Method :	DOC0830.M	DOC0830.M
Extraction Date :	10/18/2021	10/18/2021
Analysis Date :	10/23/2021	10/23/2021
Instrument :	Apollo	Apollo
Run :	1021106	1021107
Initials :	KAB	

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

APPL ID: **211018W-42994 LCS - 269387**
Batch ID: #DOC53-211018A1

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	1840	3070	92.0	154 #	36-132	50.1 #	30
OIL (C24-C40)	2000	1750	3120	87.5	156 #	41-113	56.3 #	30
SURROGATE: (R) DECANOIC ACID (S)	10.00	0	0	0.0	0.0	0-1		
SURROGATE: OCTACOSANE (S)	150	140	244	93.3	163 #	60-142		
SURROGATE: ORTHO-TERPHENYL (S)	150	130	226	86.7	151 #	56-125		

= Recovery is outside QC limits.

Comments:

Primary	SPK	DUP
Quant Method :	DEC0911.M	DEC0911.M
Extraction Date :	10/18/2021	10/18/2021
Analysis Date :	10/22/2021	10/22/2021
Instrument :	Apollo	Apollo
Run :	1021029	1021030
Initials :	KAB	

Laboratory Control Spike Recoveries
EPA 8015B TPH LIQ-LIQ

APPL ID: **211015W-42998 LCS - 269383**
Batch ID: #RHBLK-211015A

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	93.8	77.4	NA	NA	36-132		30
OIL (C24-C40)	0	133	115	NA	NA	41-113		30
SURROGATE: OCTACOSANE (S)	150	157	152	105	101	60-142		
SURROGATE: ORTHO-TERPHENYL (S)	150	131	127	87.3	84.7	56-125		

Comments:

Primary	SPK	DUP
Quant Method :	DOC0830.M	DOC0830.M
Extraction Date :	10/15/2021	10/15/2021
Analysis Date :	10/22/2021	10/22/2021
Instrument :	Apollo	Apollo
Run :	1021074	1021075
Initials :	KAB	

8270D-SIM

Form 2 & 8

Surrogate Recovery

Lab Name: APPL, Inc. SDG No: 97850

Case No: 97850 Date Analyzed: 10/25/2021

Matrix: WATER Instrument: KYLO

APPL ID.	Client Sample No.	SURROGATE: 2-METHYLNAPHTHALENE-D10 (S)			SURROGATE: FLUORANTHENE-D10 (S)		
		Limits	Result	Qualifier	Limits	Result	Qualifier
211019AK-BLK	Blank	39-114	89.6		58-120	81.5	
211019AK-LCS	Lab Control Spike	39-114	81.6		58-120	76.0	
211019AK-LCSD	Lab Control SpikeD	39-114	84.0		58-120	75.8	
BA43145	ERH1803	39-114	75.4		58-120	51.3	#
BA43147	ERH1806	39-114	63.0		58-120	27.3	#
BA43149	ERH1809	39-114	75.0		58-120	50.1	#
BA43151	ERH1812	39-114	82.0		58-120	70.5	

Comments: Batch: #SIM53-211019AK

= Recovery outside of Control Limits on Sample.

8270D-SIM

Form 4

Blank Summary

Lab Name: APPL, Inc. SDG No: 97850

Case No: 97850 Date Analyzed: 10/25/2021

Matrix: WATER Instrument: KYLO

Blank ID: 211019AK-BLK Time Analyzed: 1401

APPL ID.	Client Sample No.	File ID.	Date Analyzed
211019AK-BLK	Blank	1019K089	10/25/2021 1401
211019AK-LCS	Lab Control Spike	1019K090	10/25/2021 1421
211019AK-LCSD	Lab Control SpikeD	1019K091	10/25/2021 1441
BA43145	ERH1803	1019K096	10/25/2021 1620
BA43147	ERH1806	1019K097	10/25/2021 1640
BA43149	ERH1809	1019K098	10/25/2021 1700
BA43151	ERH1812	1019K099	10/25/2021 1720

Comments: Batch: #SIM53-211019AK

Method Blank
EPA 8270D SIM LIQ-LIQ

Blank Name/QCG: **211019W-42994 - 269472**
Batch ID: #SIM53-211019AK

APPL Inc.
908 North Temperance Avenu
Clovis, CA 93611

Sample Type	Analyte	Result	LOQ	LOD	DL	Units	Extraction Date	Analysis Date
BLANK	1-METHYLNAPHTHALENE	0.10 U	0.2	0.10	0.04	ug/L	10/19/2021	10/25/2021
BLANK	2-METHYLNAPHTHALENE	0.10 U	0.2	0.10	0.04	ug/L	10/19/2021	10/25/2021
BLANK	NAPHTHALENE	0.10 U	0.2	0.10	0.04	ug/L	10/19/2021	10/25/2021
BLANK	SURROGATE: 2-METHYLNAPHT	89.6	39-114			%	10/19/2021	10/25/2021
BLANK	SURROGATE: FLUORANTHENE-	81.5	58-120			%	10/19/2021	10/25/2021

Quant Method: K1019.M
Run #: 1019K089
Instrument: KYLO
Sequence: 211019
Initials: LSI

GC SC-Blank-REG MDLs-DOD
Printed: 11/18/2021 5:14:45 PM

8270D-SIM

Form 4

LCS Summary

Lab Name: APPL, Inc. SDG No: 97850

Case No: 97850 Date Analyzed: 10/25/2021

Matrix: WATER Instrument: KYLO

LCS ID: 211019AK-LCS Time Analyzed: 1421

APPL ID.	Client Sample No.	File ID.	Date Analyzed
211019AK-BLK	Blank	1019K089	10/25/2021 1401
211019AK-LCS	Lab Control Spike	1019K090	10/25/2021 1421
211019AK-LCSD	Lab Control SpikeD	1019K091	10/25/2021 1441
BA43145	ERH1803	1019K096	10/25/2021 1620
BA43147	ERH1806	1019K097	10/25/2021 1640
BA43149	ERH1809	1019K098	10/25/2021 1700
BA43151	ERH1812	1019K099	10/25/2021 1720

Comments: Batch: #SIM53-211019AK

Laboratory Control Spike Recoveries
EPA 8270D SIM LIQ-LIQ

APPL ID: **211019W-42994 LCS - 269472**
Batch ID: #SIM53-211019AK

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	4.34	4.29	86.8	85.8	41-115	1.2	20
2-METHYLNAPHTHALENE	5.00	4.35	4.32	87.0	86.4	39-114	0.69	20
NAPHTHALENE	5.00	4.12	4.16	82.4	83.2	43-114	0.97	20
SURROGATE: 2-METHYLNAPHTHALEN	5.00	4.08	4.20	81.6	84.0	39-114		
SURROGATE: FLUORANTHENE-D10 (S)	5.00	3.80	3.79	76.0	75.8	58-120		

Comments:

Primary	SPK	DUP
Quant Method :	K1019.M	K1019.M
Extraction Date :	10/19/2021	10/19/2021
Analysis Date :	10/25/2021	10/25/2021
Instrument :	KYLO	KYLO
Run :	1019K090	1019K091
Initials :	LSI	

Form 5
Tune Summary

Lab Name: APPL Inc. SDG No:
Case No: Date Analyzed: 10/19/2021
Matrix: Water Instrument: KYLO
ID: 1019K001.D Time Analyzed: 13:58

	Client Sample No.	APPL ID.	File ID.	Date Analyzed
1		0.1 ug/ml 10/13/21	1019K002.D	10/19/2021 14:09
2		0.2 ug/ml 10/13/21	1019K003.D	10/19/2021 14:29
3		0.5 ug/ml 10/13/21	1019K004.D	10/19/2021 14:49
4		1 ug/ml 10/13/21	1019K005.D	10/19/2021 15:09
5		5 ug/ml 10/13/21	1019K006.D	10/19/2021 15:29
6		10 ug/ml 10/13/21	1019K007.D	10/19/2021 15:49
7		50 ug/ml 10/13/21	1019K008.D	10/19/2021 16:09
8		100 ug/ml 10/13/21	1019K009.D	10/19/2021 16:29
9		SS ug/ml 10/13/21	1019K010.D	10/19/2021 16:49
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				

m/e		
51	9.95 - 80.1% of mass 198	36.8
68	0 - 2.05% of mass 69	1.7
70	0 - 2% of mass 69	0.4
127	10 - 80% of mass 198	54.6
197	0 - 2% of mass 198	0.2
198	100 - 100% of mass 198	100.0
199	5 - 9% of mass 198	6.5
275	10 - 60% of mass 198	23.2
365	1 - 100% of mass 198	2.5
441	0.01 - 24% of mass 442	13.9
442	50 - 500% of mass 198	73.4
443	15 - 24% of mass 442	18.4

Form 5
Tune Summary

Lab Name: APPL Inc. SDG No: 97850
Case No: 97850 Date Analyzed: 10/25/2021
Matrix: Water Instrument: KYLO
ID: 1019K086.D Time Analyzed: 13:06

	Client Sample No.	APPL ID.	File ID.	Date Analyzed
1		5 ug/ml 10/19/21 (1)	1019K087.D	10/25/2021 13:18
2	Blank	211019A BLK 1/1000	1019K089.D	10/25/2021 14:01
3	Lab Control Spike	211019A LCS-1 1/1000	1019K090.D	10/25/2021 14:21
4	Lab Control SpikeD	211019A LCSD-1 1/100	1019K091.D	10/25/2021 14:41
5	ERH1803	BA43145W07 1/1000	1019K096.D	10/25/2021 16:20
6	ERH1806	BA43147W07 1/950	1019K097.D	10/25/2021 16:40
7	ERH1809	BA43149W07 1/940	1019K098.D	10/25/2021 17:00
8	ERH1812	BA43151W07 1/940	1019K099.D	10/25/2021 17:20
9		5 ug/ml 10/13/21 (2)	1019K124.D	10/26/2021 1:39
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				

m/e		
51	9.95 - 80.1% of mass 198	28.4
68	0 - 2.05% of mass 69	1.6
70	0 - 2% of mass 69	0.4
127	10 - 80% of mass 198	49.5
197	0 - 2% of mass 198	0.3
198	100 - 100% of mass 198	100.0
199	5 - 9% of mass 198	6.7
275	10 - 60% of mass 198	24.4
365	1 - 100% of mass 198	2.4
441	0.01 - 24% of mass 442	13.6
442	50 - 500% of mass 198	80.7
443	15 - 24% of mass 442	18.2

8A
INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: APPL Inc. Contract:

Lab Code: SDG No.:

Lab File ID (Standard): 1019K087.D Date Analyzed: 10/25/21

Instrument ID: KYLO Time Analyzed: 13:18

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	13255	3.92	6620	5.85	10931	7.56
	UPPER LIMIT	26510	4.09	13240	6.02	21862	7.73
	LOWER LIMIT	6628	3.75	3310	5.68	5466	7.39
	SAMPLE NO.						
01	211019A BLK 1/1000	14084	3.92	7181	5.85	13020	7.56
02	211019A LCS-1 1/1000	14575	3.92	7791	5.85	14362	7.56
03	211019A LCSD-1 1/100	15697	3.92	8090	5.85	14063	7.56
04	BA43145W07 1/1000	17173	3.92	9318	5.85	15382	7.56
05	BA43147W07 1/950	14604	3.92	8003	5.85	13183	7.56
06	BA43149W07 1/940	16521	3.92	8433	5.85	14987	7.56
07	BA43151W07 1/940	15508	3.92	8378	5.85	14535	7.56
08	5 ug/ml 10/13/21 (2)	17587	3.92	9142	5.85	14508	7.56
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): 1019K087.D Date Analyzed: 10/25/21

Instrument ID: KYLO Time Analyzed: 13:18

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

		Chrysene-D12(IS)		Perylene-D12(IS)			
		AREA #	RT #	AREA #	RT #	AREA #	RT #
	12 HOUR STD	13535	10.62	11925	12.84		
	UPPER LIMIT	27070	10.79	23850	13.01		
	LOWER LIMIT	6768	10.45	5963	12.67		
	SAMPLE NO.						
01	211019A BLK 1/1000	16393	10.63	14428	12.84		
02	211019A LCS-1 1/1000	18224	10.62	16452	12.84		
03	211019A LCSD-1 1/100(	17787	10.62	15905	12.84		
04	BA43145W07 1/1000	18557	10.62	16875	12.84		
05	BA43147W07 1/950	16123	10.62	14740	12.83		
06	BA43149W07 1/940	18373	10.62	16833	12.84		
07	BA43151W07 1/940	18026	10.62	16442	12.84		
08	5 ug/ml 10/13/21 (2)	17169	10.62	15035	12.84		
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: 97850

Case No: 97850 Date Analyzed: 10/18/2021

Matrix: WATER Instrument: Max

APPL ID.	Client Sample No.	SURROGATE: 1,2-DICHLOROETHANE-D4 (S)			SURROGATE: 4-BROMOFLUOROBENZENE (S)		
		Limits	Result	Qualifier	Limits	Result	Qualifier
211018AM1-LCS	Lab Control Spike	81-118	97.6		85-114	100	
211018AM1-LCSD	Lab Control SpikeD	81-118	98.8		85-114	101	
211018AM1-BLK	Blank	81-118	96.3		85-114	99.6	
BA43144	ERH1802	81-118	97.2		85-114	98.7	
BA43145	ERH1803	81-118	98.0		85-114	97.9	
BA43146	ERH1805	81-118	97.4		85-114	97.2	
BA43147	ERH1806	81-118	95.9		85-114	101	
BA43148	ERH1808	81-118	93.8		85-114	99.4	
BA43149	ERH1809	81-118	94.4		85-114	97.9	
BA43150	ERH1811	81-118	100		85-114	100	
BA43151	ERH1812	81-118	94.0		85-114	98.7	

Comments: Batch: #86BTO-211018AM

EPA 8260B

Form 2 & 8

Surrogate Recovery

Lab Name: APPL, Inc. SDG No: 97850

Case No: 97850 Date Analyzed: 10/18/2021

Matrix: WATER Instrument: Max

APPL ID.	Client Sample No.	SURROGATE: DIBROMOFLUOROMETHANE (S)			SURROGATE: TOLUENE-D8 (S)		
		Limits	Result	Qualifier	Limits	Result	Qualifier
211018AM1-LCS	Lab Control Spike	80-119	96.4		89-112	97.2	
211018AM1-LCSD	Lab Control SpikeD	80-119	98.0		89-112	98.8	
211018AM1-BLK	Blank	80-119	99.8		89-112	101	
BA43144	ERH1802	80-119	102		89-112	101	
BA43145	ERH1803	80-119	104		89-112	98.5	
BA43146	ERH1805	80-119	99.8		89-112	97.7	
BA43147	ERH1806	80-119	100.0		89-112	99.4	
BA43148	ERH1808	80-119	99.5		89-112	102	
BA43149	ERH1809	80-119	99.3		89-112	101	
BA43150	ERH1811	80-119	101		89-112	99.7	
BA43151	ERH1812	80-119	101		89-112	101	

Comments: Batch: #86BTO-211018AM

EPA 8260B

Form 4

Blank Summary

Lab Name:	APPL, Inc.	SDG No:	97850
Case No:	97850	Date Analyzed:	10/18/2021
Matrix:	WATER	Instrument:	Max
Blank ID:	211018AM1-BLK	Time Analyzed:	1736

APPL ID.	Client Sample No.	File ID.	Date Analyzed
211018AM1-LCS	Lab Control Spike	1018M03	10/18/2021 1515
211018AM1-LCSD	Lab Control SpikeD	1018M04	10/18/2021 1543
211018AM1-BLK	Blank	1018M08	10/18/2021 1736
BA43144	ERH1802	1018M19	10/18/2021 2248
BA43145	ERH1803	1018M20	10/18/2021 2317
BA43146	ERH1805	1018M21	10/18/2021 2345
BA43147	ERH1806	1018M22	10/19/2021 0013
BA43148	ERH1808	1018M23	10/19/2021 0041
BA43149	ERH1809	1018M24	10/19/2021 0110
BA43150	ERH1811	1018M25	10/19/2021 0138
BA43151	ERH1812	1018M26	10/19/2021 0206

Comments: Batch: #86BTO-211018AM

Method Blank
EPA 8260B BTEX WATER

Blank Name/QCG: **211018W-43144 - 270326**
Batch ID: #86BTO-211018AM1

APPL Inc.
908 North Temperance Avenu
Clovis, CA 93611

Sample Type	Analyte	Result	LOQ	LOD	DL	Units	Extraction Date	Analysis Date
BLANK	BENZENE	0.30 U	1.0	0.30	0.15	ug/L	10/18/2021	10/18/2021
BLANK	ETHYLBENZENE	0.50 U	1.0	0.50	0.23	ug/L	10/18/2021	10/18/2021
BLANK	TOLUENE	0.30 U	1.0	0.30	0.15	ug/L	10/18/2021	10/18/2021
BLANK	XYLENES (TOTAL)	0.30 U	2.0	0.30	0.15	ug/L	10/18/2021	10/18/2021
BLANK	SURROGATE: 1,2-DICHLOROET	96.3	81-118			%	10/18/2021	10/18/2021
BLANK	SURROGATE: 4-BROMOFLUOR	99.6	85-114			%	10/18/2021	10/18/2021
BLANK	SURROGATE: DIBROMOFLUOR	99.8	80-119			%	10/18/2021	10/18/2021
BLANK	SURROGATE: TOLUENE-D8 (S)	101	89-112			%	10/18/2021	10/18/2021

Quant Method: M1015W.M
Run #: 1018M08
Instrument: Max
Sequence: 211015
Initials: MHO

GC SC-Blank-REG MDLs-DOD
Printed: 11/11/2021 4:56:38 PM

EPA 8260B

Form 4

LCS Summary

Lab Name:	APPL, Inc.	SDG No:	97850
Case No:	97850	Date Analyzed:	10/18/2021
Matrix:	WATER	Instrument:	Max
LCS ID:	211018AM1-LCS	Time Analyzed:	1515

APPL ID.	Client Sample No.	File ID.	Date Analyzed
211018AM1-LCS	Lab Control Spike	1018M03	10/18/2021 1515
211018AM1-LCSD	Lab Control SpikeD	1018M04	10/18/2021 1543
211018AM1-BLK	Blank	1018M08	10/18/2021 1736
BA43144	ERH1802	1018M19	10/18/2021 2248
BA43145	ERH1803	1018M20	10/18/2021 2317
BA43146	ERH1805	1018M21	10/18/2021 2345
BA43147	ERH1806	1018M22	10/19/2021 0013
BA43148	ERH1808	1018M23	10/19/2021 0041
BA43149	ERH1809	1018M24	10/19/2021 0110
BA43150	ERH1811	1018M25	10/19/2021 0138
BA43151	ERH1812	1018M26	10/19/2021 0206

Comments: Batch: #86BTO-211018AM

Laboratory Control Spike Recoveries
EPA 8260B BTEX WATER

APPL ID: **211018W-43144 LCS - 270326**
Batch ID: #86BTO-211018AM1

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	9.87	10.5	98.7	105	79-120	6.2	20
ETHYLBENZENE	10.00	10.0	10.7	100	107	79-121	6.8	20
TOLUENE	10.00	10.1	10.7	101	107	80-121	5.8	20
XYLENES (TOTAL)	30.0	30.9	32.2	103	107	79-121	4.1	20
SURROGATE: 1,2-DICHLOROETHANE-D	25.0	24.4	24.7	97.6	98.8	81-118		
SURROGATE: 4-BROMOFLUOROBENZE	25.0	25.0	25.3	100	101	85-114		
SURROGATE: DIBROMOFLUOROMETH	25.0	24.1	24.5	96.4	98.0	80-119		
SURROGATE: TOLUENE-D8 (S)	25.0	24.3	24.7	97.2	98.8	89-112		

Comments:

Primary	SPK	DUP
Quant Method :	M1015W.M	M1015W.M
Extraction Date :	10/18/2021	10/18/2021
Analysis Date :	10/18/2021	10/18/2021
Instrument :	Max	Max
Run :	1018M03	1018M04
Initials :	MHO	

Form 5
Tune Summary

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

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

	Client Sample No.	APPL ID.	File ID.	Date Analyzed
1		0.3ug/L VOC STD 10/1	1015M12.D	10/15/2021 15:12
2		0.5ug/L VOC STD 10/1	1015M13.D	10/15/2021 15:41
3		1ug/L VOC STD 10/15/	1015M14.D	10/15/2021 16:09
4		2ug/L VOC STD 10/15/	1015M15.D	10/15/2021 16:38
5		5ug/L VOC STD 10/15/	1015M16.D	10/15/2021 17:06
6		10ug/L VOC STD 10/15	1015M17.D	10/15/2021 17:35
7		20ug/L VOC STD 10/15	1015M18.D	10/15/2021 18:03
8		40ug/L VOC STD 10/15	1015M19.D	10/15/2021 18:31
9		100ug/L VOC STD 10/1	1015M20.D	10/15/2021 19:00
10		25ug/L BFB STD 9/23/	1015M21.D	10/15/2021 19:28
11		(SS) 10ug/L VOC STD	1015M22.D	10/15/2021 19:57
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				

m/e		
50	15 - 40% of mass 95	20.4
75	30 - 60.04% of mass 95	58.4
95	100 - 200% of mass 95	100.0
96	5 - 9% of mass 95	6.7
173	0 - 2% of mass 174	0.0
174	50 - 200% of mass 95	126.6
175	5 - 9.02% of mass 174	7.7
176	95 - 101% of mass 174	99.1
177	5 - 9% of mass 176	6.5

Form 5
Tune Summary

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

SDG No: 0
Date Analyzed: 10/15/2021
Instrument: Max
Time Analyzed: 14:44

	Client Sample No.	APPL ID.	File ID.	Date Analyzed
23				
24				
25				
26				
27				
28				
29				
30				
31				
32				
33				
34				
35				
36				
37				
38				
39				
40				
41				
42				
43				
44				

m/e		
50	15 - 40% of mass 95	20.4
75	30 - 60.04% of mass 95	58.4
95	100 - 200% of mass 95	100.0
96	5 - 9% of mass 95	6.7
173	0 - 2% of mass 174	0.0
174	50 - 200% of mass 95	126.6
175	5 - 9.02% of mass 174	7.7
176	95 - 101% of mass 174	99.1
177	5 - 9% of mass 176	6.5

8A
INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: APPL Inc. Contract:

Lab Code: SDG No.:

Lab File ID (Standard): 1015M11.D Date Analyzed: 10/15/21

Instrument ID: Max Time Analyzed: 14:44

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	415736	6.33	386188	9.50	219340	11.82
	UPPER LIMIT	831472	6.50	772376	9.67	438680	11.99
	LOWER LIMIT	207868	6.16	193094	9.33	109670	11.65
	SAMPLE NO.						
01	0.3ug/L VOC STD 10/15	397342	6.34	352293	9.50	217437	11.82
02	0.5ug/L VOC STD 10/15	396824	6.34	348546	9.50	220294	11.82
03	1ug/L VOC STD 10/15/2	394605	6.34	355921	9.50	218264	11.82
04	2ug/L VOC STD 10/15/2	397741	6.34	352458	9.50	222724	11.82
05	5ug/L VOC STD 10/15/2	387411	6.34	344894	9.50	232454	11.82
06	10ug/L VOC STD 10/15/	377347	6.34	347072	9.50	236441	11.82
07	20ug/L VOC STD 10/15/	395871	6.34	351611	9.50	235162	11.82
08	40ug/L VOC STD 10/15/	394795	6.34	356570	9.50	246902	11.82
09	100ug/L VOC STD 10/1	386789	6.34	357810	9.50	248989	11.82
10	(SS) 10ug/L VOC STD 1	407759	6.34	364241	9.50	235667	11.82
11							
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): 1015M11.D Date Analyzed: 10/15/2021

Instrument ID: Max Time Analyzed: 14:44

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	415736	6.33	386188	9.50	219340	11.82
UPPER LIMIT	831472	6.50	772376	9.67	438680	11.99
LOWER LIMIT	207868	6.16	193094	9.33	109670	11.65
SAMPLE NO.						
23						
24						
25						
26						
27						
28						
29						
30						
31						
32						
33						
34						
35						
36						
37						
38						
39						
40						
41						
42						
43						
44						

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): 1015M11.D Date Analyzed: 10/15/21

Instrument ID: Max Time Analyzed: 14:44

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

		AREA	#	RT	#	AREA	#	RT	#	AREA	#	RT	#
	12 HOUR STD												
	UPPER LIMIT												
	LOWER LIMIT												
	SAMPLE												
	NO.												
01	0.3ug/L VOC STD 10/15/21												
02	0.5ug/L VOC STD 10/15/21												
03	1ug/L VOC STD 10/15/21												
04	2ug/L VOC STD 10/15/21												
05	5ug/L VOC STD 10/15/21												
06	10ug/L VOC STD 10/15/21												
07	20ug/L VOC STD 10/15/21												
08	40ug/L VOC STD 10/15/21												
09	100ug/L VOC STD 10/15/21												
10	(SS) 10ug/L VOC STD 10/15/21												
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): 1015M11.D Date Analyzed: 10/15/2021

Instrument ID: Max Time Analyzed: 14:44

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

		AREA	#	RT	#	AREA	#	RT	#	AREA	#	RT	#
	12 HOUR STD												
	UPPER LIMIT												
	LOWER LIMIT												
	SAMPLE												
	NO.												
23													
24													
25													
26													
27													
28													
29													
30													
31													
32													
33													
34													
35													
36													
37													
38													
39													
40													
41													
42													
43													
44													

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

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

Form 5
Tune Summary

Lab Name: APPL Inc. SDG No: 97850
Case No: 97850 Date Analyzed: 10/18/2021
Matrix: Water Instrument: Max
ID: 1018M01.D Time Analyzed: 14:18

	Client Sample No.	APPL ID.	File ID.	Date Analyzed
1		211018A CCV 10ug/L	1018M02.D	10/18/2021 14:46
2	Lab Control Spike	211018A LCS 10ug/L	1018M03.D	10/18/2021 15:15
3	Lab Control SpikeD	211018A LCSD 10ug/L	1018M04.D	10/18/2021 15:43
4	Blank	211018A BLK	1018M08.D	10/18/2021 17:36
5	ERH1802	BA43144W01	1018M19.D	10/18/2021 22:48
6	ERH1803	BA43145W01	1018M20.D	10/18/2021 23:17
7	ERH1805	BA43146W01	1018M21.D	10/18/2021 23:45
8	ERH1806	BA43147W01	1018M22.D	10/19/2021 0:13
9	ERH1808	BA43148W01	1018M23.D	10/19/2021 0:41
10	ERH1809	BA43149W01	1018M24.D	10/19/2021 1:10
11	ERH1811	BA43150W01	1018M25.D	10/19/2021 1:38
12	ERH1812	BA43151W01	1018M26.D	10/19/2021 2:06
13		Ending CCV 10ug/L 10	1018M27.D	10/19/2021 2:35
14				
15				
16				
17				
18				
19				
20				
21				
22				

m/e		
50	15 - 40% of mass 95	22.2
75	30 - 60.04% of mass 95	57.8
95	100 - 200% of mass 95	100.0
96	5 - 9% of mass 95	6.1
173	0 - 2% of mass 174	0.0
174	50 - 200% of mass 95	122.7
175	5 - 9.02% of mass 174	8.2
176	95 - 101% of mass 174	97.5
177	5 - 9% of mass 176	6.6

Form 5
Tune Summary

Lab Name: APPL Inc.
Case No: 97850
Matrix: Water
ID: 1018M01.D

SDG No: 97850
Date Analyzed: 10/18/2021
Instrument: Max
Time Analyzed: 14:18

	Client Sample No.	APPL ID.	File ID.	Date Analyzed
23				
24				
25				
26				
27				
28				
29				
30				
31				
32				
33				
34				
35				
36				
37				
38				
39				
40				
41				
42				
43				
44				

m/e		
50	15 - 40% of mass 95	22.2
75	30 - 60.04% of mass 95	57.8
95	100 - 200% of mass 95	100.0
96	5 - 9% of mass 95	6.1
173	0 - 2% of mass 174	0.0
174	50 - 200% of mass 95	122.7
175	5 - 9.02% of mass 174	8.2
176	95 - 101% of mass 174	97.5
177	5 - 9% of mass 176	6.6

8A
INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: APPL Inc. Contract:

Lab Code: SDG No.:

Lab File ID (Standard): 1018M26.D Date Analyzed: 10/19/21

Instrument ID: Max Time Analyzed: 2:06

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	367578	6.36	321662	9.51	203544	11.84
	UPPER LIMIT	735156	6.53	643324	9.68	407088	12.01
	LOWER LIMIT	183789	6.19	160831	9.34	101772	11.67
	SAMPLE NO.						
01	211018A CCV 10ug/L	378168	6.36	339257	9.51	227417	11.83
02	211018A LCS 10ug/L	373214	6.36	339185	9.51	226200	11.83
03	211018A LCSD 10ug/L	363164	6.36	329283	9.51	226451	11.83
04	211018A BLK	366681	6.36	325488	9.51	211610	11.84
05	BA43144W01	388108	6.36	340090	9.51	209639	11.84
06	BA43145W01	358570	6.36	322332	9.51	206307	11.83
07	BA43146W01	366570	6.36	331805	9.51	210619	11.83
08	BA43147W01	378719	6.36	333150	9.51	217338	11.83
09	BA43148W01	398186	6.36	348075	9.51	220215	11.83
10	BA43149W01	382186	6.36	336295	9.51	211633	11.83
11	BA43150W01	383130	6.36	336855	9.51	207669	11.83
12	BA43151W01	367578	6.36	321662	9.51	203544	11.84
13	Ending CCV 10ug/L 10/1	375402	6.36	337597	9.51	222240	11.83
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): 1018M26.D Date Analyzed: 10/19/2021

Instrument ID: Max Time Analyzed: 2:06

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	367578	6.36	321662	9.51	203544	11.84
UPPER LIMIT	735156	6.53	643324	9.68	407088	12.01
LOWER LIMIT	183789	6.19	160831	9.34	101772	11.67
SAMPLE NO.						
23						
24						
25						
26						
27						
28						
29						
30						
31						
32						
33						
34						
35						
36						
37						
38						
39						
40						
41						
42						
43						
44						

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): 1018M26.D Date Analyzed: 10/19/21

Instrument ID: Max Time Analyzed: 2:06

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

		AREA	#	RT	#	AREA	#	RT	#	AREA	#	RT	#
	12 HOUR STD												
	UPPER LIMIT												
	LOWER LIMIT												
	SAMPLE												
	NO.												
01	211018A CCV 10ug/L												
02	211018A LCS 10ug/L												
03	211018A LCSD 10ug/L												
04	211018A BLK												
05	BA43144W01												
06	BA43145W01												
07	BA43146W01												
08	BA43147W01												
09	BA43148W01												
10	BA43149W01												
11	BA43150W01												
12	BA43151W01												
13	Ending CCV 10ug/L 10/18/21												
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): 1018M26.D Date Analyzed: 10/19/2021

Instrument ID: Max Time Analyzed: 2:06

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

		AREA	#	RT	#	AREA	#	RT	#	AREA	#	RT	#
	12 HOUR STD												
	UPPER LIMIT												
	LOWER LIMIT												
	SAMPLE												
	NO.												
23													
24													
25													
26													
27													
28													
29													
30													
31													
32													
33													
34													
35													
36													
37													
38													
39													
40													
41													
42													
43													
44													

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: 97850

Case No: 97850 Date Analyzed: 10/18/2021

Matrix: WATER Instrument: Max

APPL ID.	Client Sample No.	SURROGATE: 4-BROMOFLUOROBENZENE (S)					
		Limits	Result	Qualifier	Limits	Result	Qualifier
211018AM1-LCS	Lab Control Spike	85-114	100				
211018AM1-LCSD	Lab Control SpikeD	85-114	102				
211018AM1-BLK	Blank	85-114	99.6				
BA43144	ERH1802	85-114	98.7				
BA43145	ERH1803	85-114	97.9				
BA43146	ERH1805	85-114	97.2				
BA43147	ERH1806	85-114	101				
BA43148	ERH1808	85-114	99.4				
BA43149	ERH1809	85-114	97.9				
BA43150	ERH1811	85-114	100				
BA43151	ERH1812	85-114	98.7				

Comments: Batch: #GRO86-211018A

EPA 8260B

Form 4

Blank Summary

Lab Name:	APPL, Inc.	SDG No:	97850
Case No:	97850	Date Analyzed:	10/18/2021
Matrix:	WATER	Instrument:	Max
Blank ID:	211018AM1-BLK	Time Analyzed:	1736

APPL ID.	Client Sample No.	File ID.	Date Analyzed
211018AM1-LCS	Lab Control Spike	1018M06	10/18/2021 1640
211018AM1-LCSD	Lab Control SpikeD	1018M07	10/18/2021 1708
211018AM1-BLK	Blank	1018M08	10/18/2021 1736
BA43144	ERH1802	1018M19	10/18/2021 2248
BA43145	ERH1803	1018M20	10/18/2021 2317
BA43146	ERH1805	1018M21	10/18/2021 2345
BA43147	ERH1806	1018M22	10/19/2021 0013
BA43148	ERH1808	1018M23	10/19/2021 0041
BA43149	ERH1809	1018M24	10/19/2021 0110
BA43150	ERH1811	1018M25	10/19/2021 0138
BA43151	ERH1812	1018M26	10/19/2021 0206

Comments: Batch: #GRO86-211018A

Method Blank
EPA 8260B GRO WATER

APPL Inc.
908 North Temperance Avenu
Clovis, CA 93611

Blank Name/QCG: **211018W-43144 - 270330**
Batch ID: #GRO86-211018AM1

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	10/18/2021	10/18/2021
BLANK	SURROGATE: 4-BROMOFLUOR	99.6	85-114			%	10/18/2021	10/18/2021

Quant Method: MGAS0825.
Run #: 1018M08
Instrument: Max
Sequence: 211015
Initials: MHO

GC SC-Blank-REG MDLs-DOD
Printed: 11/11/2021 3:56:48 PM

EPA 8260B

Form 4

LCS Summary

Lab Name:	APPL, Inc.	SDG No:	97850
Case No:	97850	Date Analyzed:	10/18/2021
Matrix:	WATER	Instrument:	Max
LCS ID:	211018AM1-LCS	Time Analyzed:	1640

APPL ID.	Client Sample No.	File ID.	Date Analyzed
211018AM1-LCS	Lab Control Spike	1018M06	10/18/2021 1640
211018AM1-LCSD	Lab Control SpikeD	1018M07	10/18/2021 1708
211018AM1-BLK	Blank	1018M08	10/18/2021 1736
BA43144	ERH1802	1018M19	10/18/2021 2248
BA43145	ERH1803	1018M20	10/18/2021 2317
BA43146	ERH1805	1018M21	10/18/2021 2345
BA43147	ERH1806	1018M22	10/19/2021 0013
BA43148	ERH1808	1018M23	10/19/2021 0041
BA43149	ERH1809	1018M24	10/19/2021 0110
BA43150	ERH1811	1018M25	10/19/2021 0138
BA43151	ERH1812	1018M26	10/19/2021 0206

Comments: Batch: #GRO86-211018A

Laboratory Control Spike Recoveries
EPA 8260B GRO WATER

APPL ID: **211018W-43144 LCS - 270330**
Batch ID: #GRO86-211018AM1

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	346	329	115	110	78-122	5.0	20
SURROGATE: 4-BROMOFLUOROBENZE	25.0	25.0	25.5	100	102	85-114		

Comments:

Primary	SPK	DUP
Quant Method :	MGAS0825.M	MGAS0825.M
Extraction Date :	10/18/2021	10/18/2021
Analysis Date :	10/18/2021	10/18/2021
Instrument :	Max	Max
Run :	1018M06	1018M07
Initials :	MHO	

SW846 9060A

Form 4

Blank Summary

Lab Name:	APPL, Inc.	SDG No:	97850
Case No:	97850	Date Analyzed:	10/27/2021
Matrix:	WATER	Instrument:	TICTOC
Blank ID:	211027A-BLK	Time Analyzed:	2210

APPL ID.	Client Sample No.	File ID.	Date Analyzed
211027A-BLK	Blank	15	10/27/2021 2210
211027A-LCS	Lab Control Spike	16	10/27/2021 2255
211027A-LCSD	Lab Control SpikeD	17	10/27/2021 2341
BA43151	ERH1812	29	10/28/2021 0816

Comments: Batch: #TOCW5-211027A

SW846 9060A

Form 4

Blank Summary

Lab Name:	APPL, Inc.	SDG No:	97850
Case No:	97850	Date Analyzed:	11/4/2021
Matrix:	WATER	Instrument:	TICTOC
Blank ID:	211028A-BLK	Time Analyzed:	1908

APPL ID.	Client Sample No.	File ID.	Date Analyzed
211028A-BLK	Blank	21	11/4/2021 1908
211028A-LCS	Lab Control Spike	22	11/4/2021 1950
211028A-LCSD	Lab Control SpikeD	23	11/4/2021 2034
BA43149	ERH1809	29	11/5/2021 0055

Comments: Batch: #TOCW5-211028A

SW846 9060A

Form 4

Blank Summary

Lab Name: APPL, Inc. SDG No: 97850

Case No: 97850 Date Analyzed: 11/5/2021

Matrix: WATER Instrument: TICTOC

Blank ID: 211105A-BLK Time Analyzed: 1808

APPL ID.	Client Sample No.	File ID.	Date Analyzed
211105A-BLK	Blank	26	11/5/2021 1808
211105A-LCS	Lab Control Spike	27	11/5/2021 1850
211105A-LCSD	Lab Control SpikeD	28	11/5/2021 1932
BA43145	ERH1803	29	11/5/2021 2013
BA43147	ERH1806	30	11/5/2021 2056

Comments: Batch: #TOCW5-211105A

WETLAB BLANK

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Method	Analyte	Result	LOQ	LOD	DL	Units	Prep Date	Analysis Date	QC Group
SW846 90	TOTAL ORGANIC C	0.350 U	0.93	0.350	0.130	mg/L	11/05/21	11/05/21	#TOCW5-211105A-BA43145
SW846 90	TOTAL ORGANIC C	0.350 U	0.93	0.350	0.130	mg/L	11/04/21	11/04/21	#TOCW5-211028A-BA42992
SW846 90	TOTAL ORGANIC C	0.350 U	0.93	0.350	0.130	mg/L	10/27/21	10/27/21	#TOCW5-211027A-BA43151

SW846 9060A

Form 4

LCS Summary

Lab Name:	APPL, Inc.	SDG No:	97850
Case No:	97850	Date Analyzed:	10/27/2021
Matrix:	WATER	Instrument:	TICTOC
LCS ID:	211027A-LCS	Time Analyzed:	2255

APPL ID.	Client Sample No.	File ID.	Date Analyzed
211027A-BLK	Blank	15	10/27/2021 2210
211027A-LCS	Lab Control Spike	16	10/27/2021 2255
211027A-LCSD	Lab Control SpikeD	17	10/27/2021 2341
BA43151	ERH1812	29	10/28/2021 0816

Comments: Batch: #TOCW5-211027A

SW846 9060A

Form 4

LCS Summary

Lab Name:	APPL, Inc.	SDG No:	97850
Case No:	97850	Date Analyzed:	11/4/2021
Matrix:	WATER	Instrument:	TICTOC
LCS ID:	211028A-LCS	Time Analyzed:	1950

APPL ID.	Client Sample No.	File ID.	Date Analyzed
211028A-BLK	Blank	21	11/4/2021 1908
211028A-LCS	Lab Control Spike	22	11/4/2021 1950
211028A-LCSD	Lab Control SpikeD	23	11/4/2021 2034
BA43149	ERH1809	29	11/5/2021 0055

Comments: Batch: #TOCW5-211028A

SW846 9060A

Form 4

LCS Summary

Lab Name:	APPL, Inc.	SDG No:	97850
Case No:	97850	Date Analyzed:	11/5/2021
Matrix:	WATER	Instrument:	TICTOC
LCS ID:	211105A-LCS	Time Analyzed:	1850

APPL ID.	Client Sample No.	File ID.	Date Analyzed
211105A-BLK	Blank	26	11/5/2021 1808
211105A-LCS	Lab Control Spike	27	11/5/2021 1850
211105A-LCSD	Lab Control SpikeD	28	11/5/2021 1932
BA43145	ERH1803	29	11/5/2021 2013
BA43147	ERH1806	30	11/5/2021 2056

Comments: Batch: #TOCW5-211105A

Laboratory Control Spike Recoveries

WETLAB

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Method	Compound Name	Spike Lvl mg/L	SPK Res mg/L	DUP Res mg/L	SPK % Recov	DUP % Recov	RPD	RPD Max	QC Limits	Extract Date-Spk	Analysis Date-Spk	Extract Date-Dup	Analysis Date-Dup	QC Group
SW846 90	TOTAL ORGANIC CARBO	5.00	4.54	4.59	90.8	91.8	1.1	20	80-120	11/05/21	11/05/21	11/05/21	11/05/21	#TOCW5-211105A-BA431

Comments:

Laboratory Control Spike Recoveries

WETLAB

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Method	Compound Name	Spike Lvl mg/L	SPK Res mg/L	DUP Res mg/L	SPK % Recov	DUP % Recov	RPD	RPD Max	QC Limits	Extract Date-Spk	Analysis Date-Spk	Extract Date-Dup	Analysis Date-Dup	QC Group
SW846 90	TOTAL ORGANIC CARBO	5.00	5.38	5.35	108	107	0.56	20	80-120	11/04/21	11/04/21	11/04/21	11/04/21	#TOCW5-211028A-BA429

Comments:

Laboratory Control Spike Recoveries

WETLAB

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Method	Compound Name	Spike Lvl mg/L	SPK Res mg/L	DUP Res mg/L	SPK % Recov	DUP % Recov	RPD	RPD Max	QC Limits	Extract Date-Spk	Analysis Date-Spk	Extract Date-Dup	Analysis Date-Dup	QC Group
SW846 90	TOTAL ORGANIC CARBO	5.00	5.12	5.07	102	101	0.98	20	80-120	10/27/21	10/27/21	10/27/21	10/27/21	#TOCW5-211027A-BA431

Comments:

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																	
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1.751305

Quantitation Report (Not Reviewed)

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

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

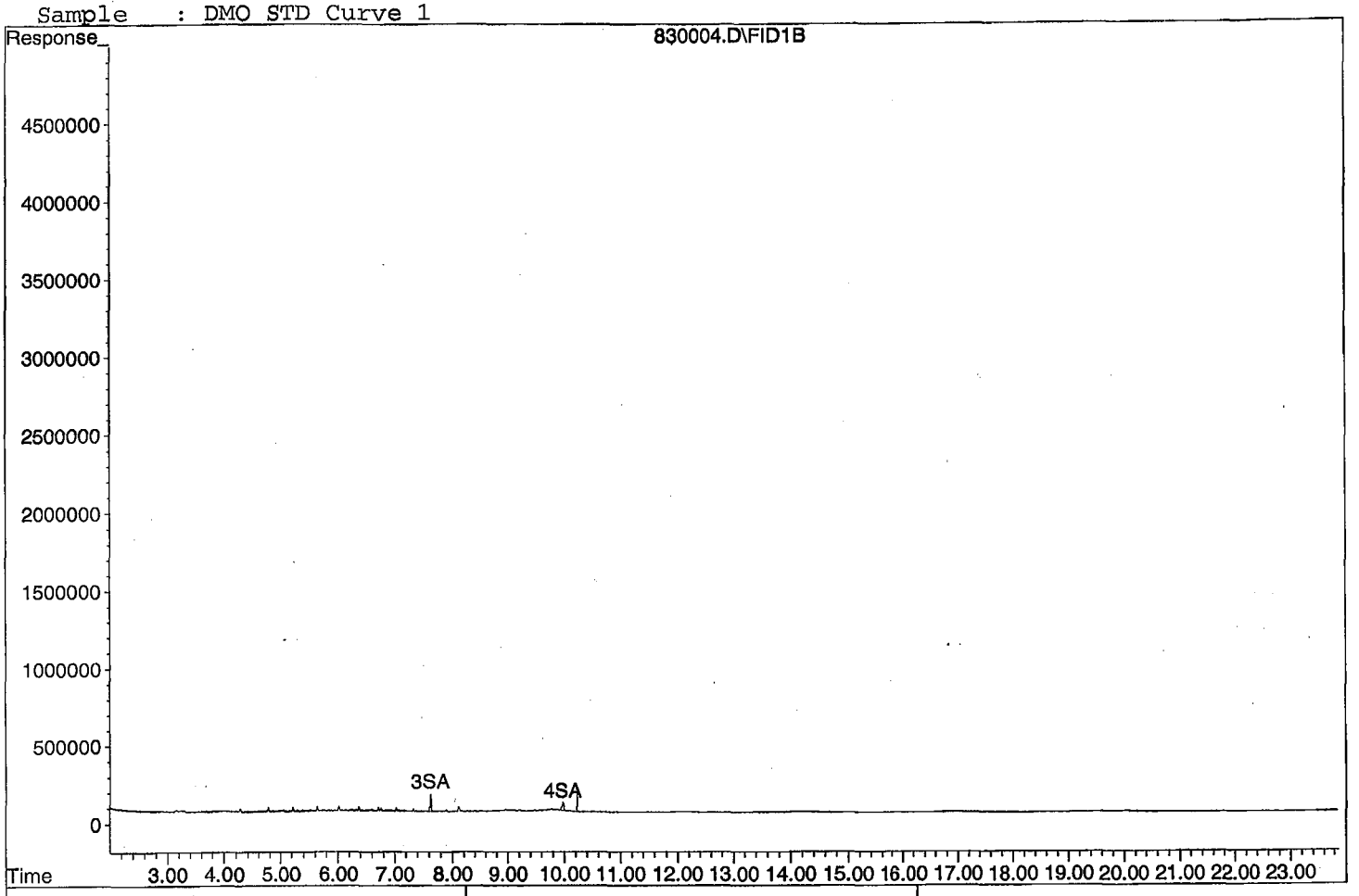
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

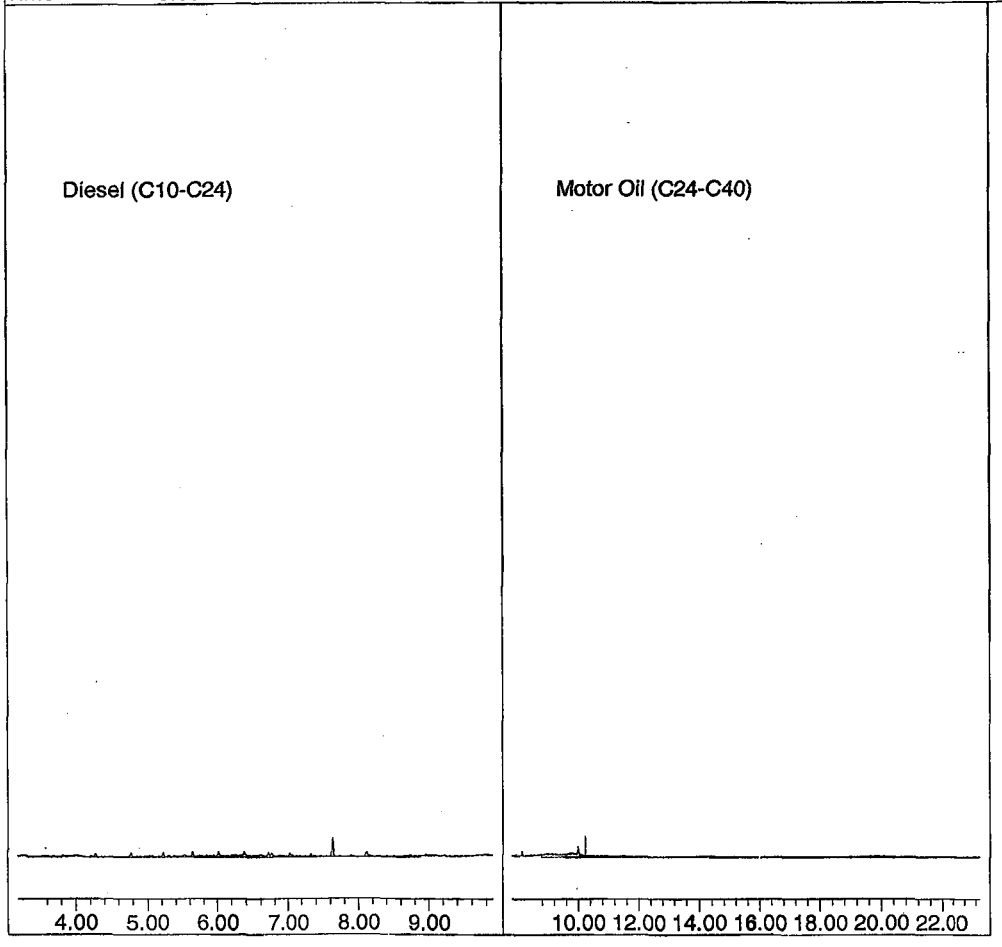
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.63	1426613	0.275 ppb
Surrogate Spike 30.000	Recovery =		0.92%
4) SA Octacosane(S)	9.98	1055167	0.274 ppb
Surrogate Spike 30.000	Recovery =		0.91%
Target Compounds			
1) HATM Diesel (C10-C24)	6.54	19960961	4.942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

Target Compounds

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

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





Quantitation Report (Not Reviewed)

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

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

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

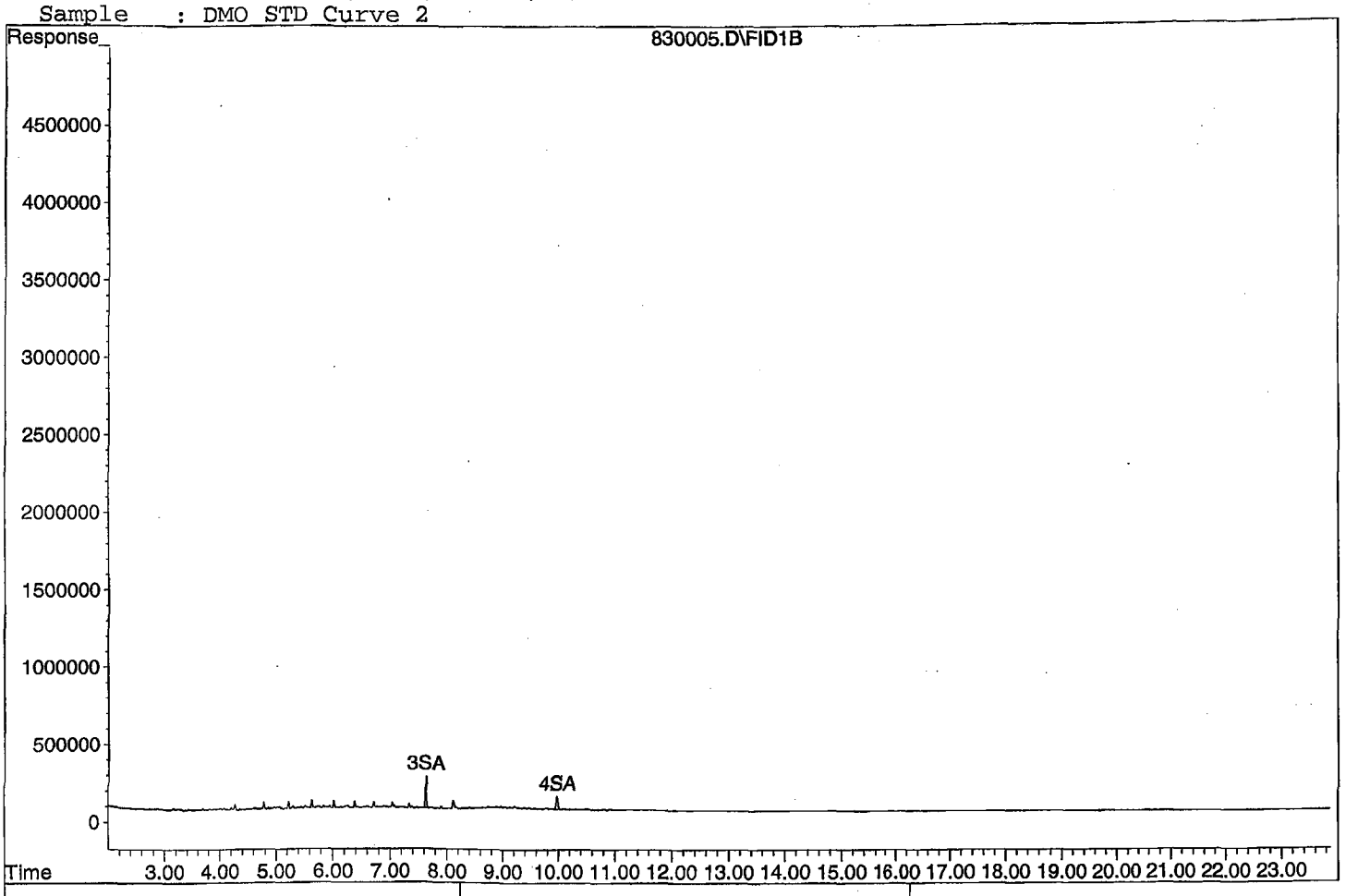
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.63	2657484	0.513 ppb
Surrogate Spike 30.000	Recovery =		1.71%
4) SA Octacosane(S)	9.98	1874119	0.486 ppb
Surrogate Spike 30.000	Recovery =		1.62%
Target Compounds			
1) HATM Diesel (C10-C24)	6.54	41930088	10.381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

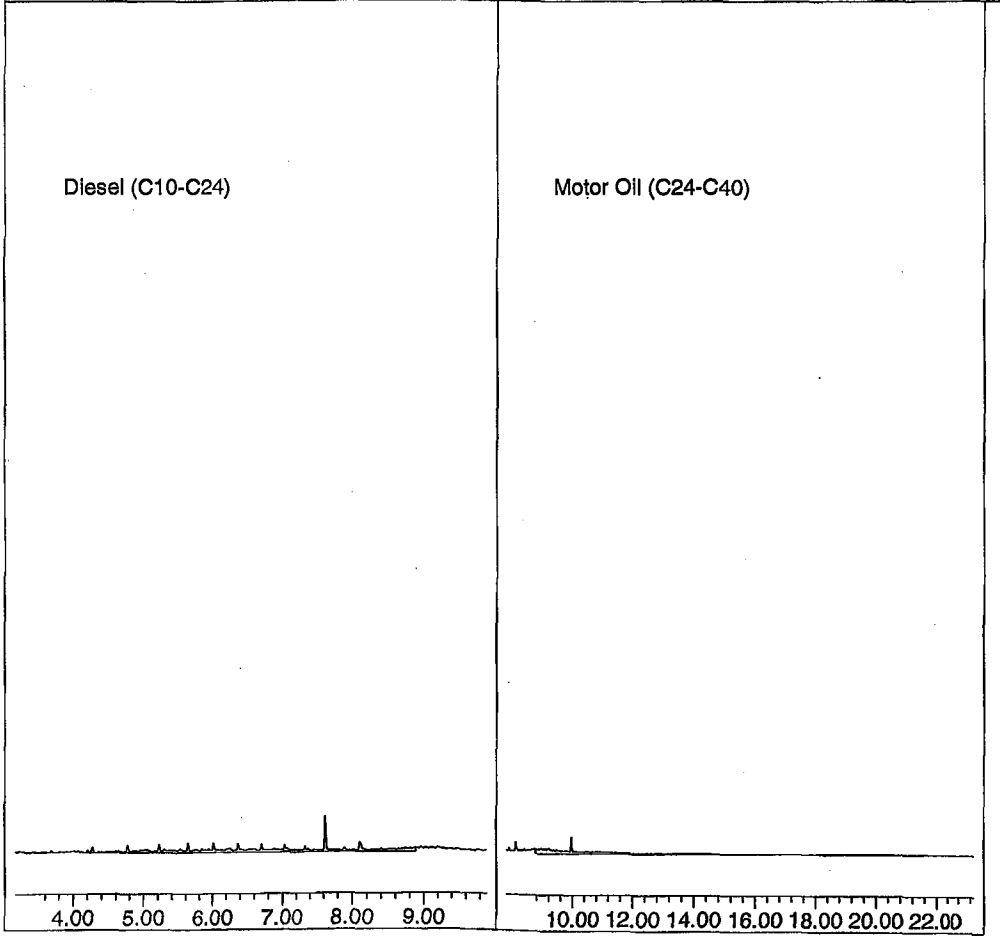
Target Compounds

(f)=RT Delta > 1/2 Window

(m)=manual int.
830005.D DOC0830.M Wed Sep 08 12:56:15 2021

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

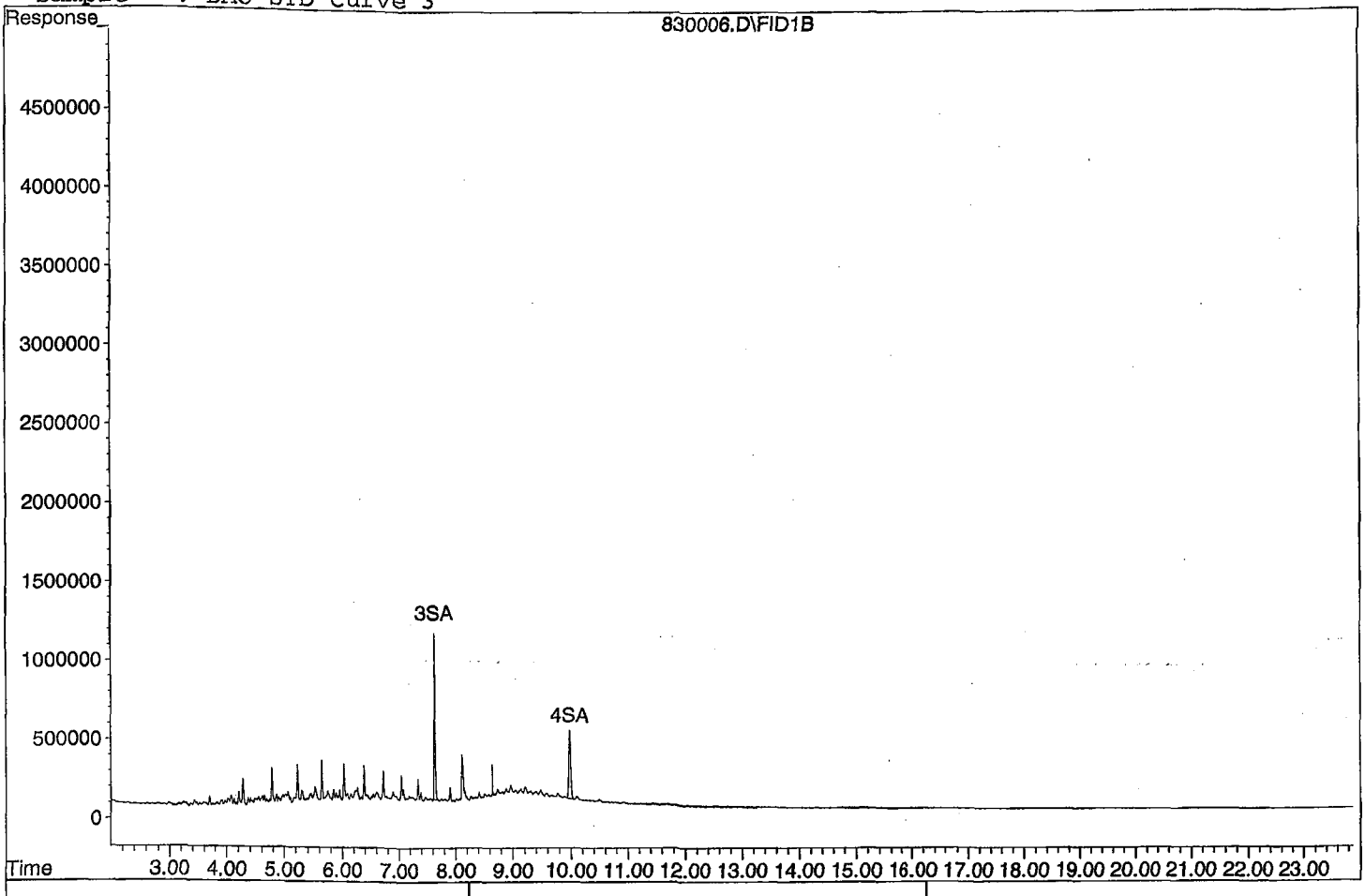
Method : G:\APOLLO\DATA\210830\DOC0830.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Tue Aug 31 09:20:02 2021
Response via : Multiple Level Calibration

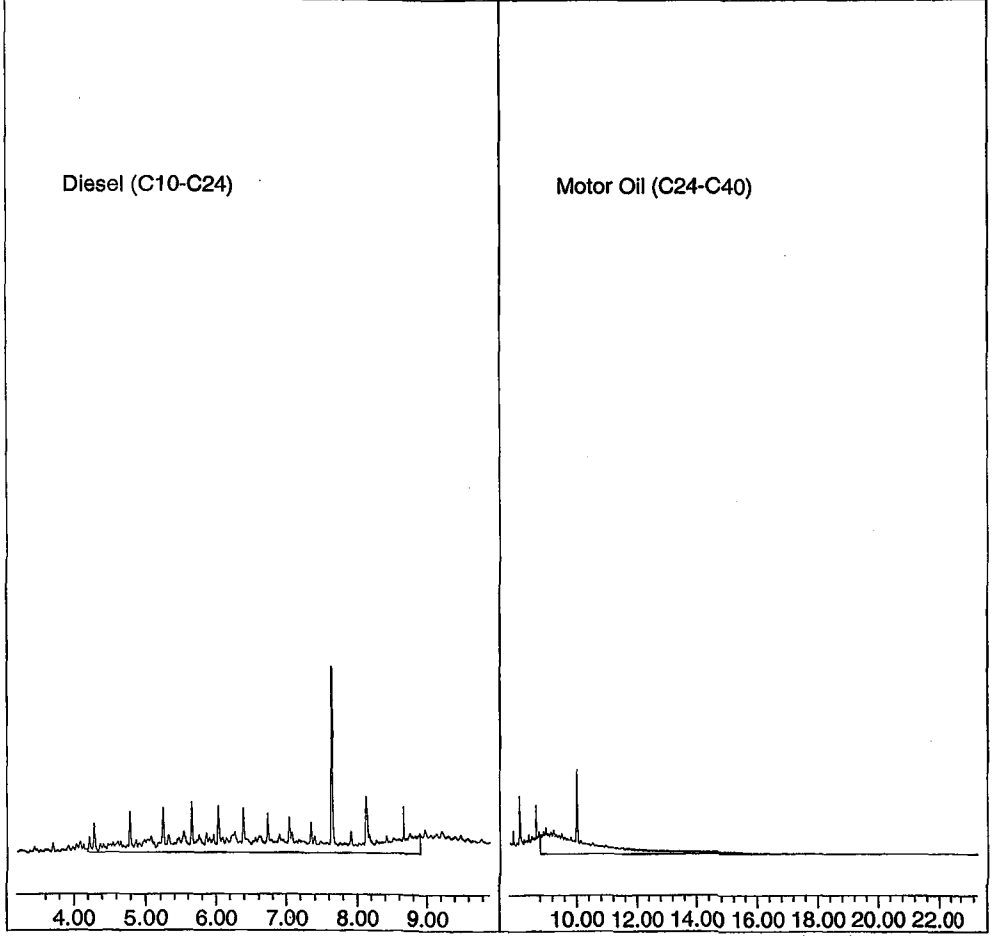
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

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

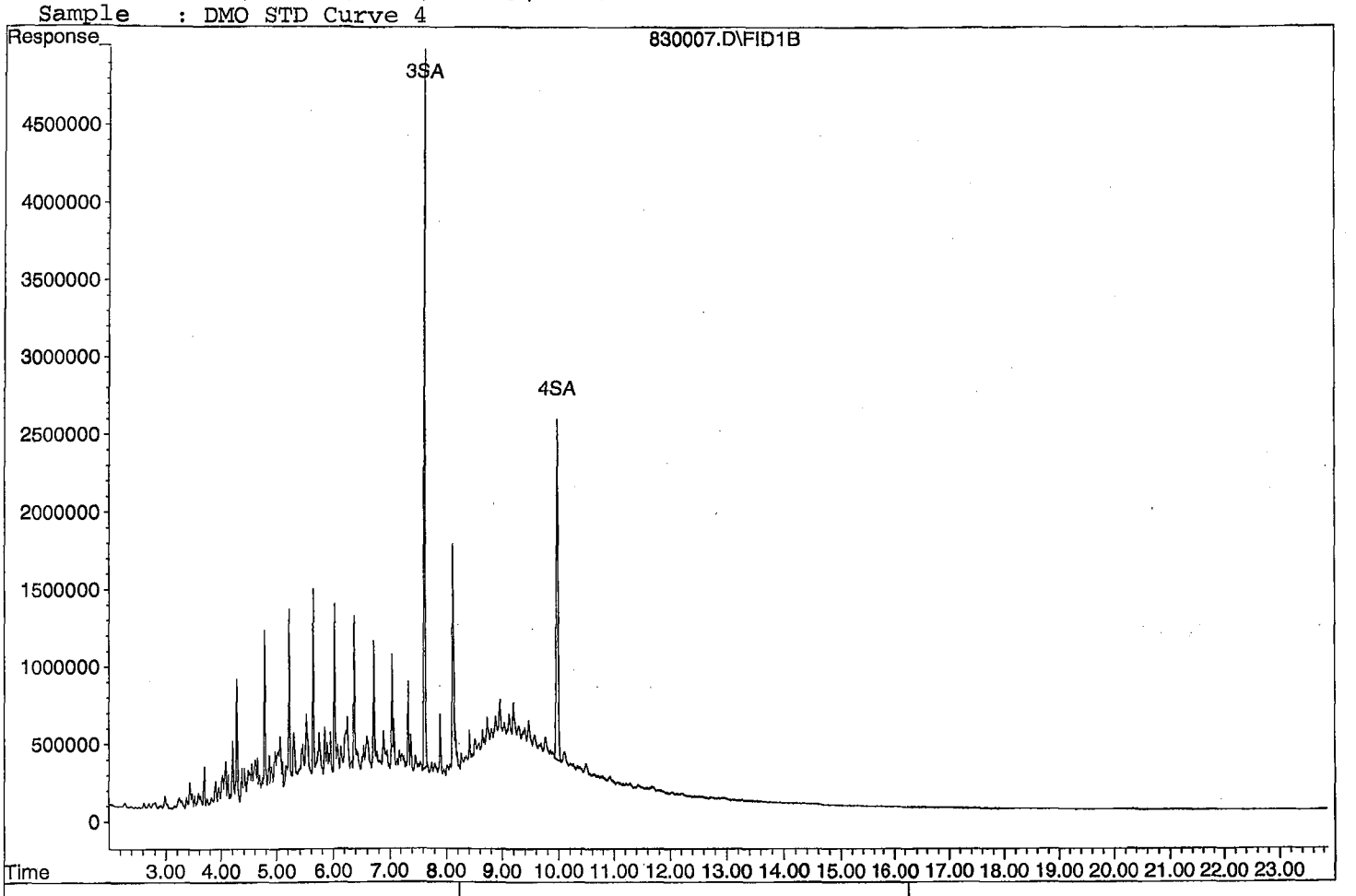
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.63	63496153	12.255 ppb
Surrogate Spike 30.000	Recovery =		40.85%
4) SA Octacosane(S)	9.98	47916187	12.437 ppb
Surrogate Spike 30.000	Recovery =		41.46%
Target Compounds			
1) HATM Diesel (C10-C24)	6.54	977286267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

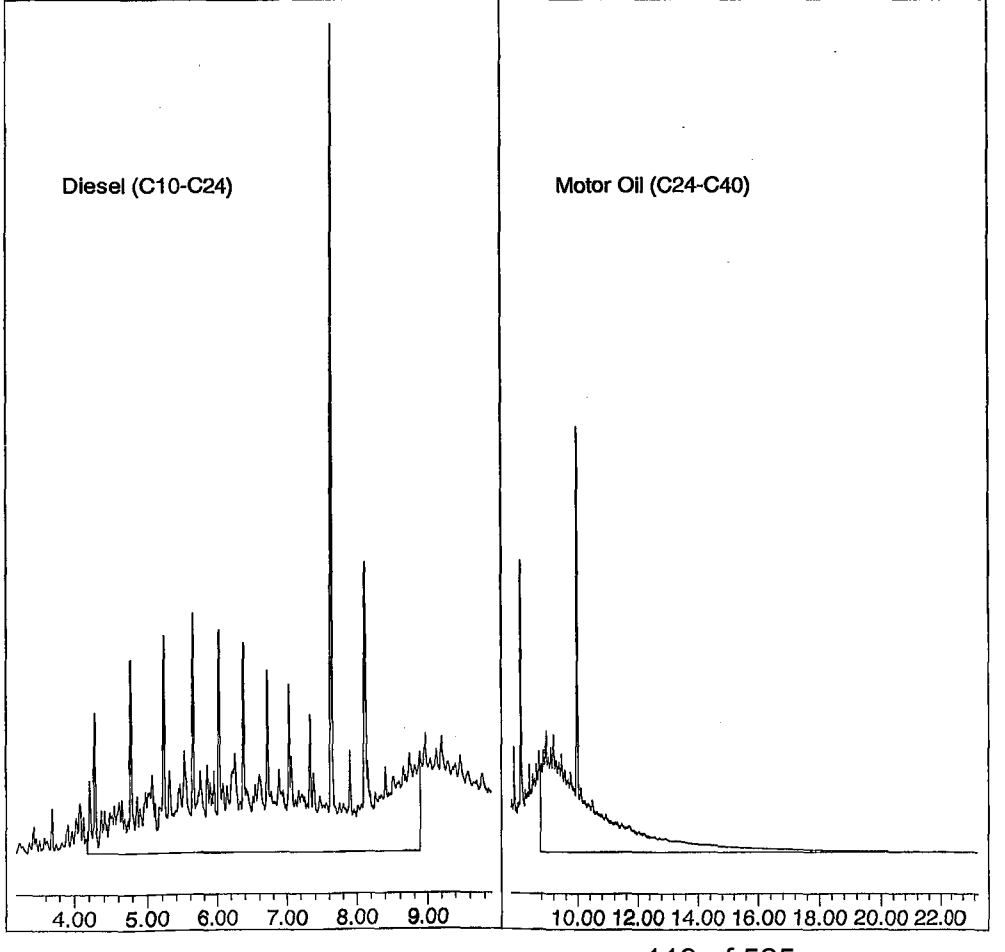
Target Compounds

(f)=RT Delta > 1/2 Window

(m)=manual int.
830007.D DOC0830.M Wed Sep 08 12:56:18 2021

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





Quantitation Report (Not Reviewed)

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

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

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

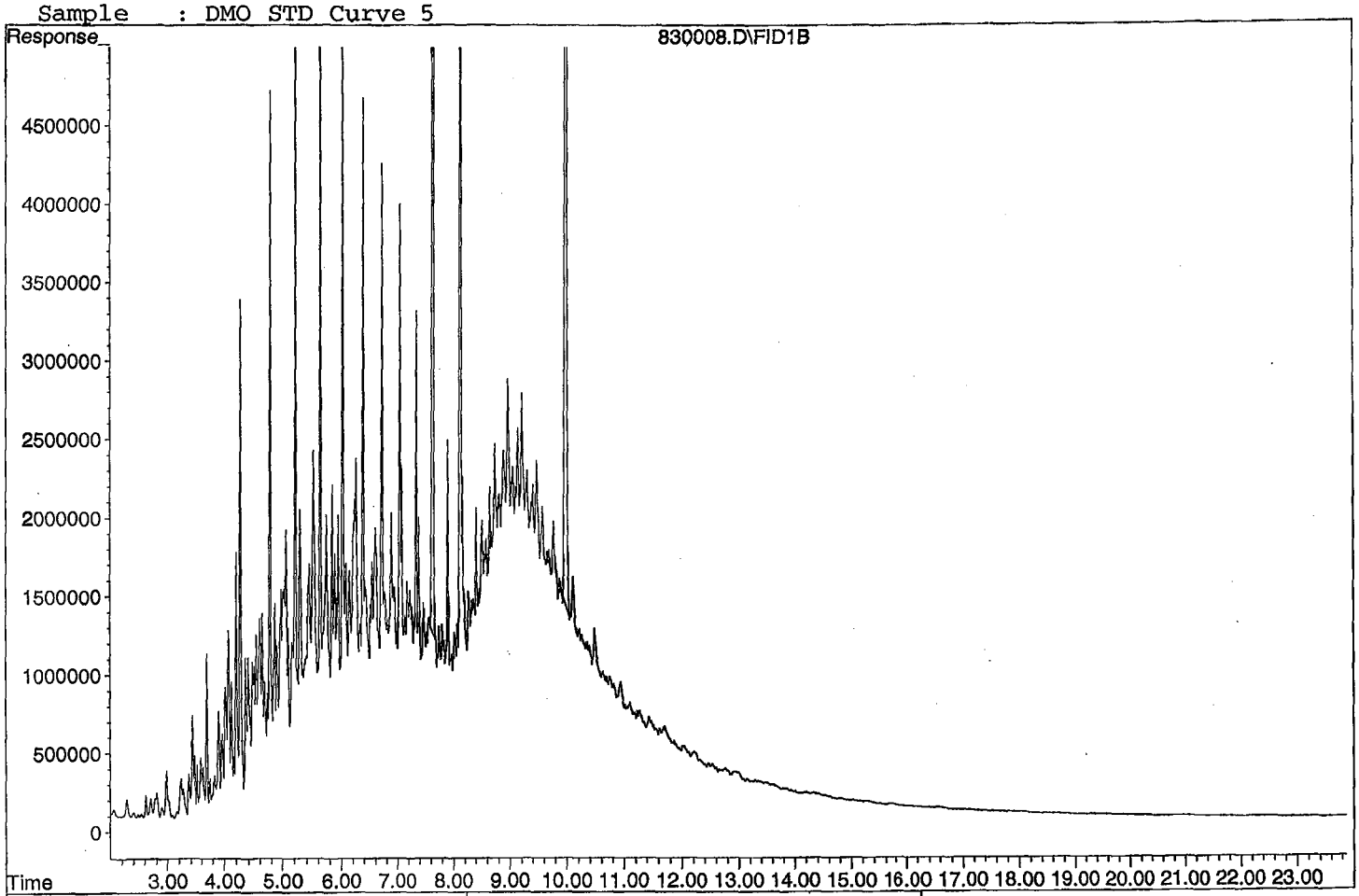
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.63	246979512	47.666 ppb
Surrogate Spike 30.000		Recovery =	158.89%
4) SA Octacosane(S)	9.99	187654879	48.707 ppb
Surrogate Spike 30.000		Recovery =	162.36%
Target Compounds			
1) HATM Diesel (C10-C24)	6.54	3956253906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

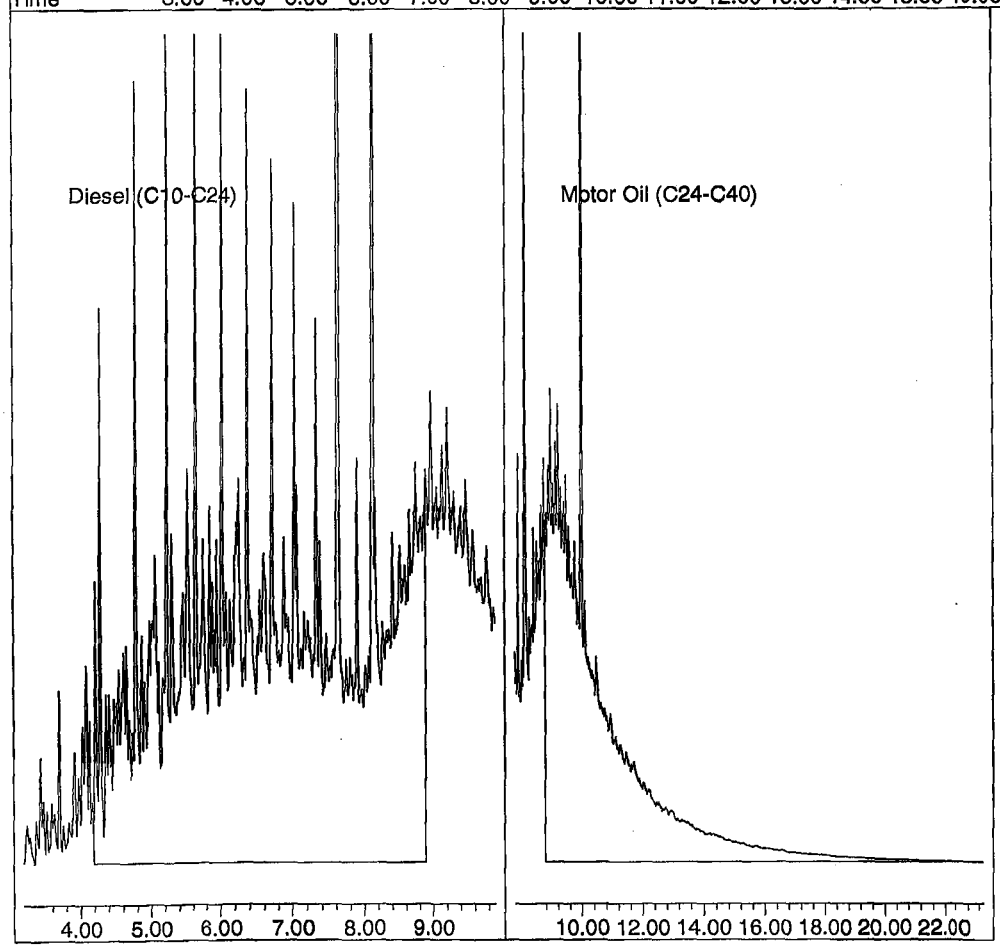
Target Compounds

(f)=RT Delta > 1/2 Window

(m)=manual int.
830008.D DOC0830.M Wed Sep 08 12:56:20 2021

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





Quantitation Report (Not Reviewed)

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

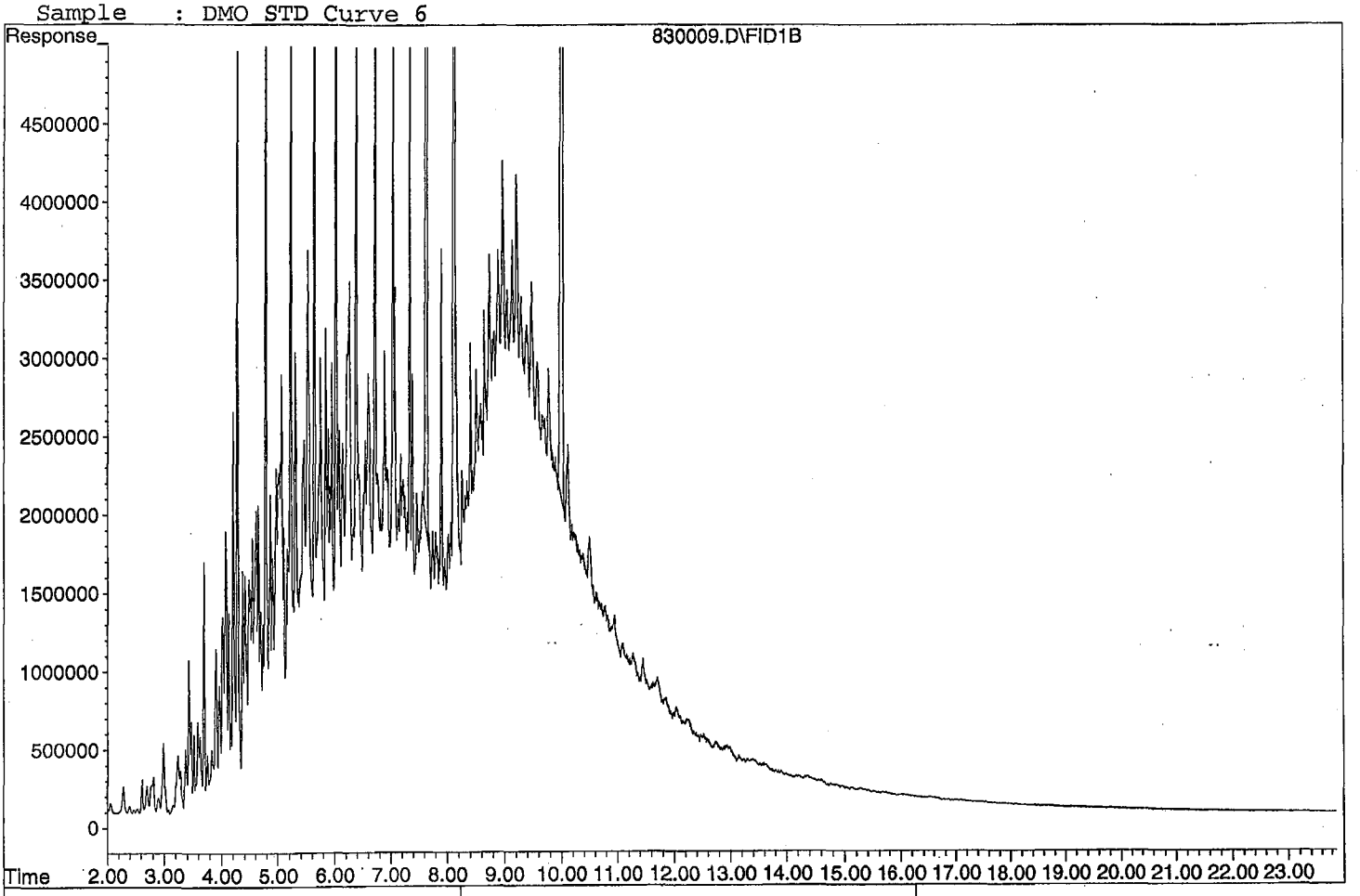
Method : G:\APOLLO\DATA\210830\DOC0830.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Tue Aug 31 09:20:02 2021
Response via : Multiple Level Calibration

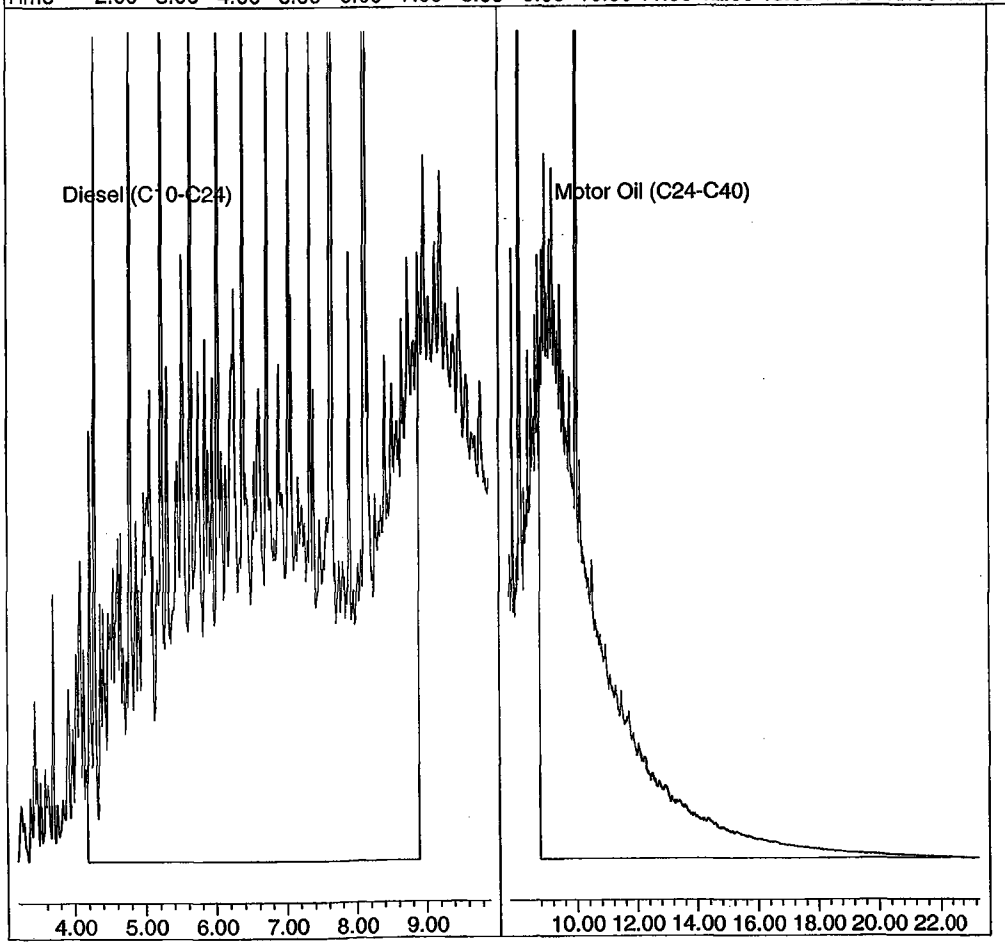
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

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

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

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





Quantitation Report (Not Reviewed)

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

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

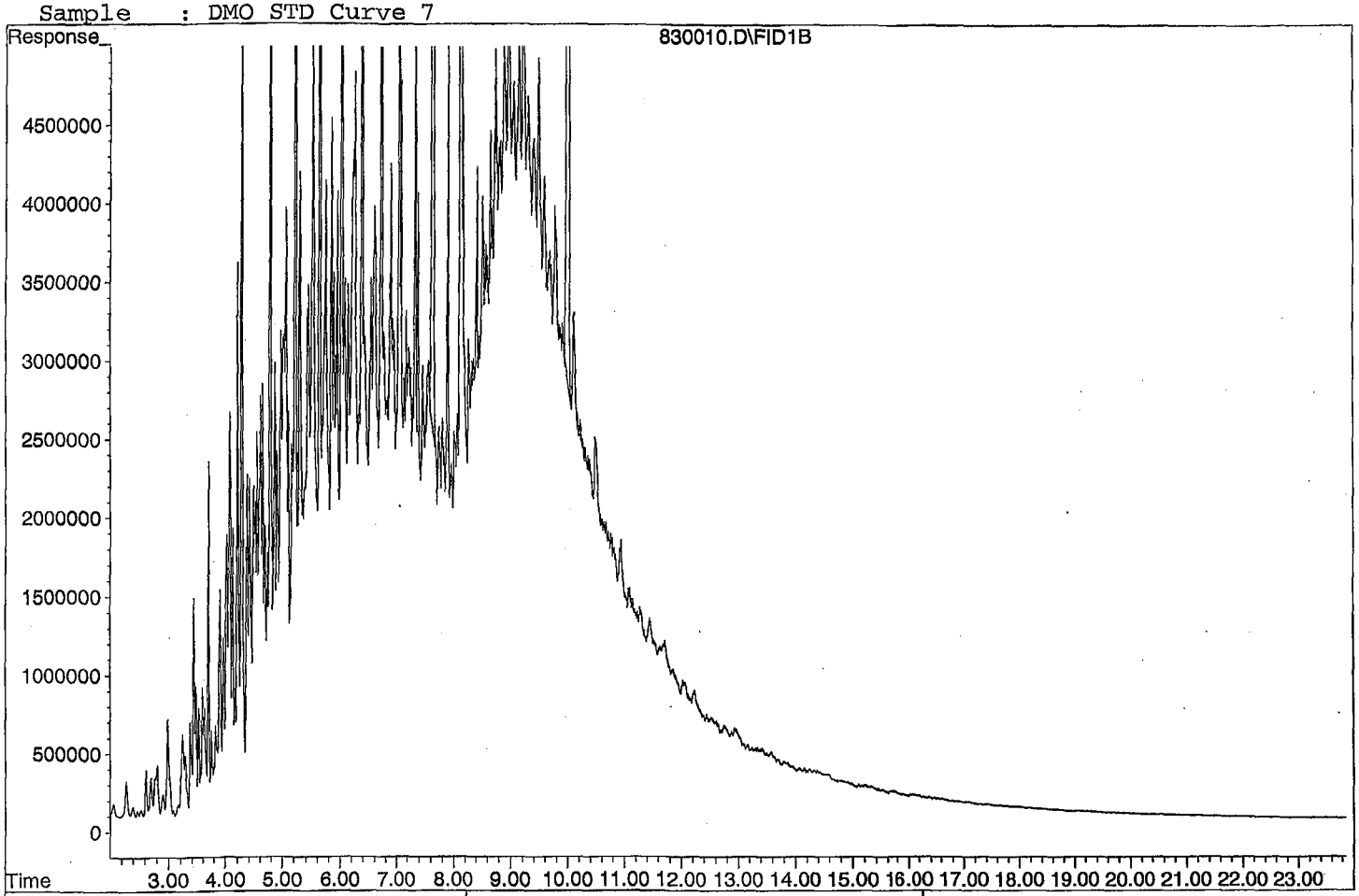
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

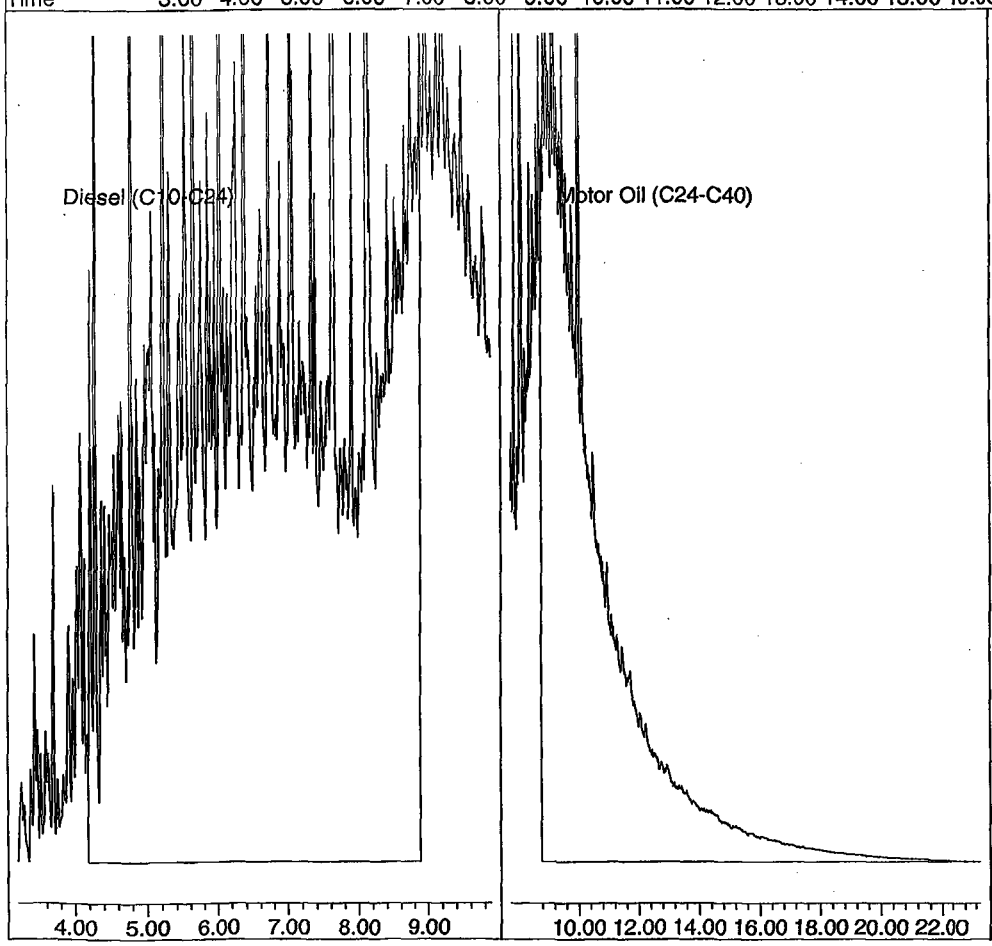
Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
3) SA Ortho-Terphenyl(S)	7.64	513272150	99.060	ppb
Surrogate Spike 30.000		Recovery =	330.20%	
4) SA Octacosane(S)	10.00	385350648	100.020	ppb
Surrogate Spike 30.000		Recovery =	333.40%	
Target Compounds				
1) HATM Diesel (C10-C24)	6.54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

Target Compounds

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

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





TPH Extractables
DOC0831

Form 7

Second Source Calibration

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

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

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

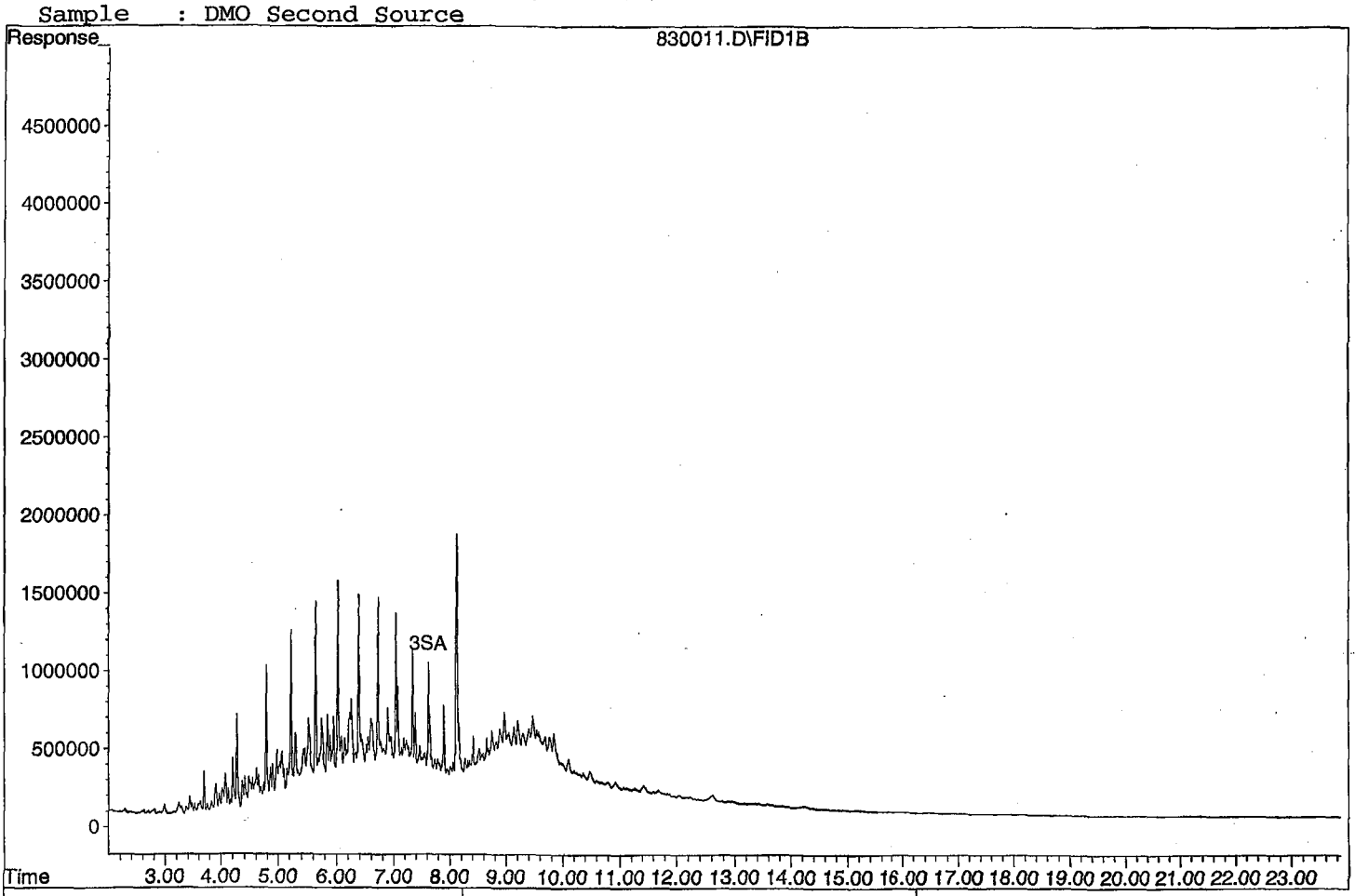
Method : G:\APOLLO\DATA\210830\DOC0830.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Tue Aug 31 09:20:02 2021
Response via : Multiple Level Calibration

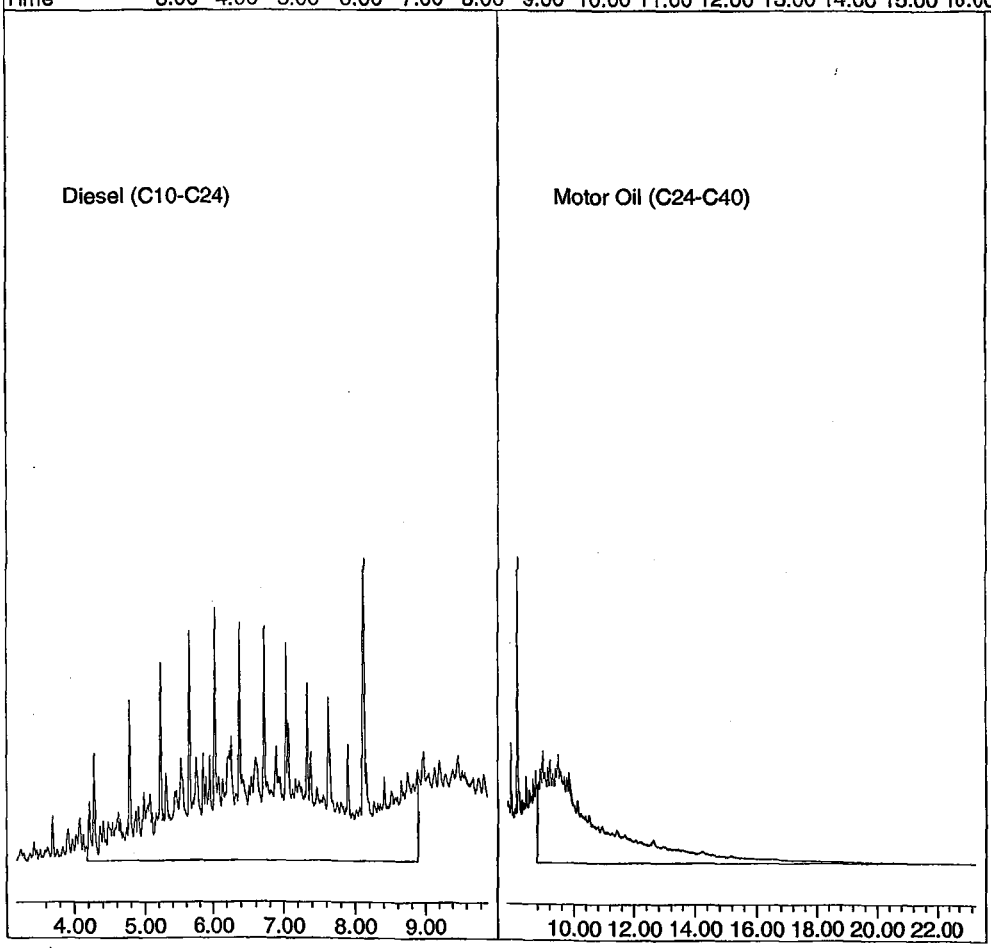
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

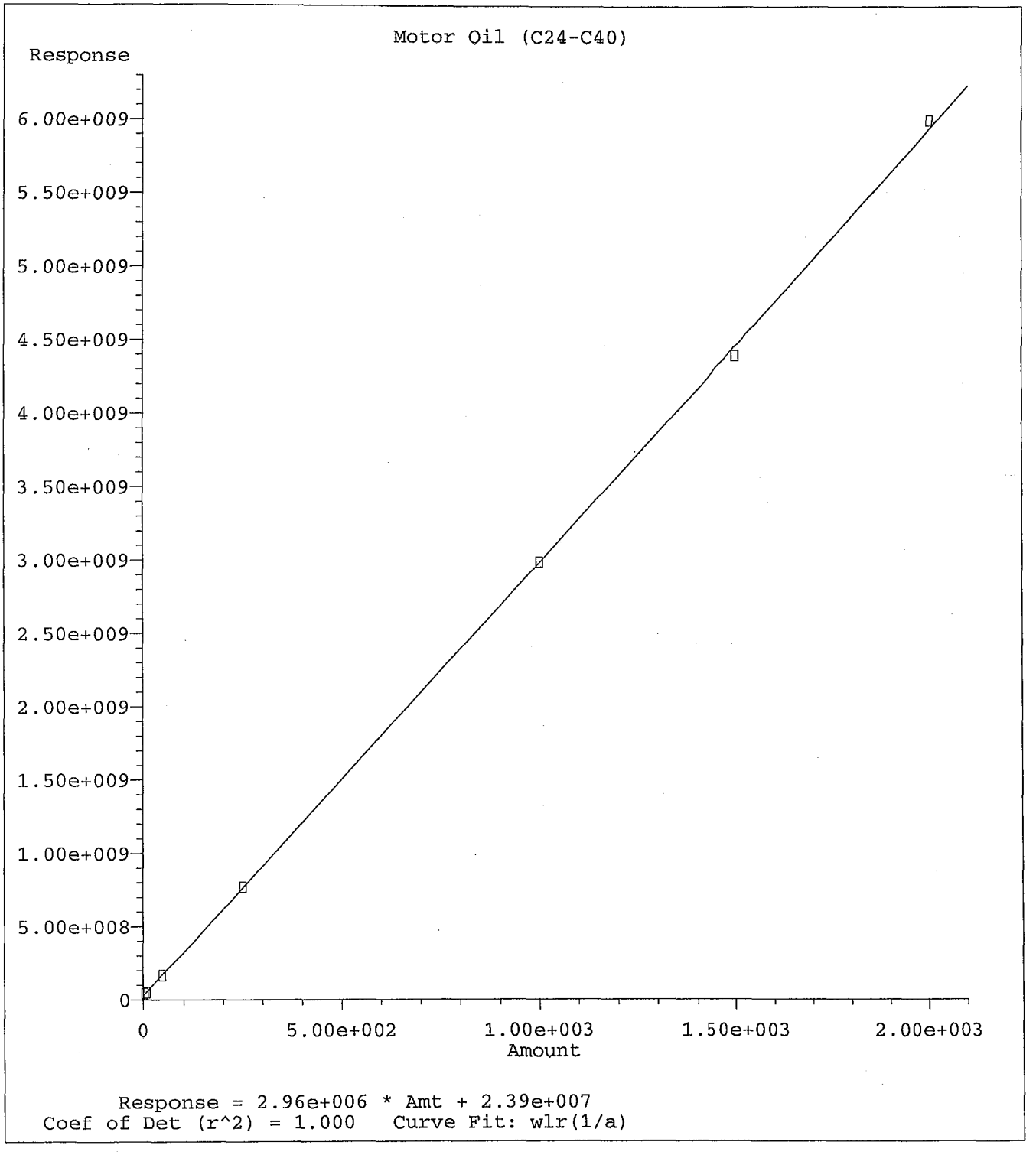
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.62	4475122	0.864 ppb
Surrogate Spike 30.000		Recovery =	2.88%
4) SA Octacosane(S)	9.98	-56148	N.D. ppb
Surrogate Spike 30.000		Recovery =	0.00%
Target Compounds			
1) HATM Diesel (C10-C24)	6.54	1110816428	275.009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

Target Compounds

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
DOC0831

Form 7

Continuing Calibration

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

SDG No:
Date Analyzed: 10/23/2021
Instrument: Apollo
Initial Cal. Date: 8/30/2021
Data File: 1021103.D

		Compound	MEAN	CCRF	%D	%Drift	
1	HATM	Diesel (C10-C24)	2019600	2156260	6.8	HATM	
2	HBTM	Motor Oil (C24-C40)	2035830	1573540	23	HBTML	3.1
3	SA	Ortho-Terphenyl(S)	2590720	2783690	7.4	SA	
4	SA	Octacosane(S)	1926380	2029920	5.4	SA	
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		Average			10.7		

Quantitation Report (Not Reviewed)

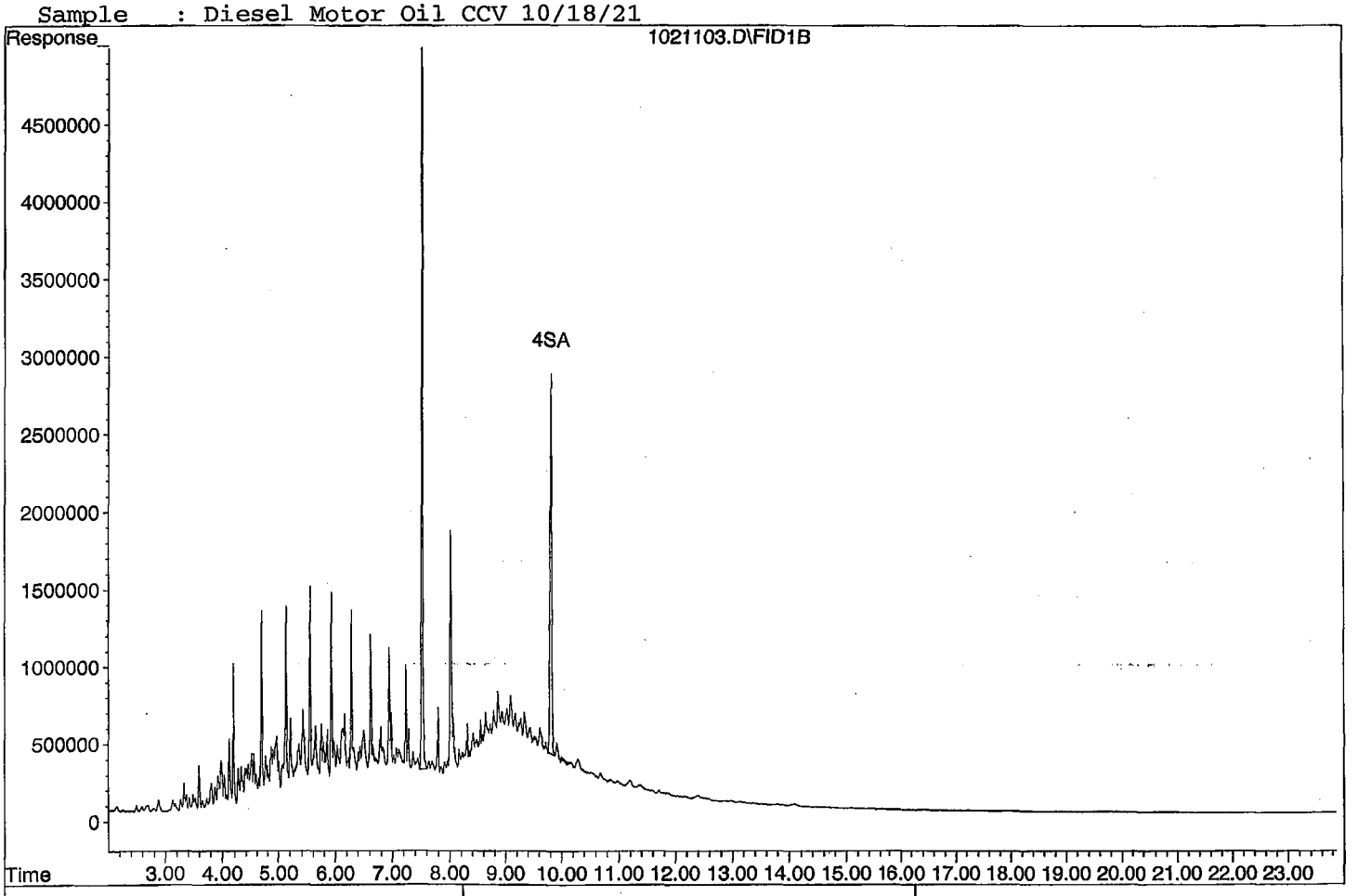
Data File : G:\APOLLO\DATA\211021\1021103.D Vial: 3
Acq On : 10-23-21 12:07:22 Operator: KA
Sample : Diesel Motor Oil CCV 10/18/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 23 12:56 2021 Quant Results File: DOC0830.RES

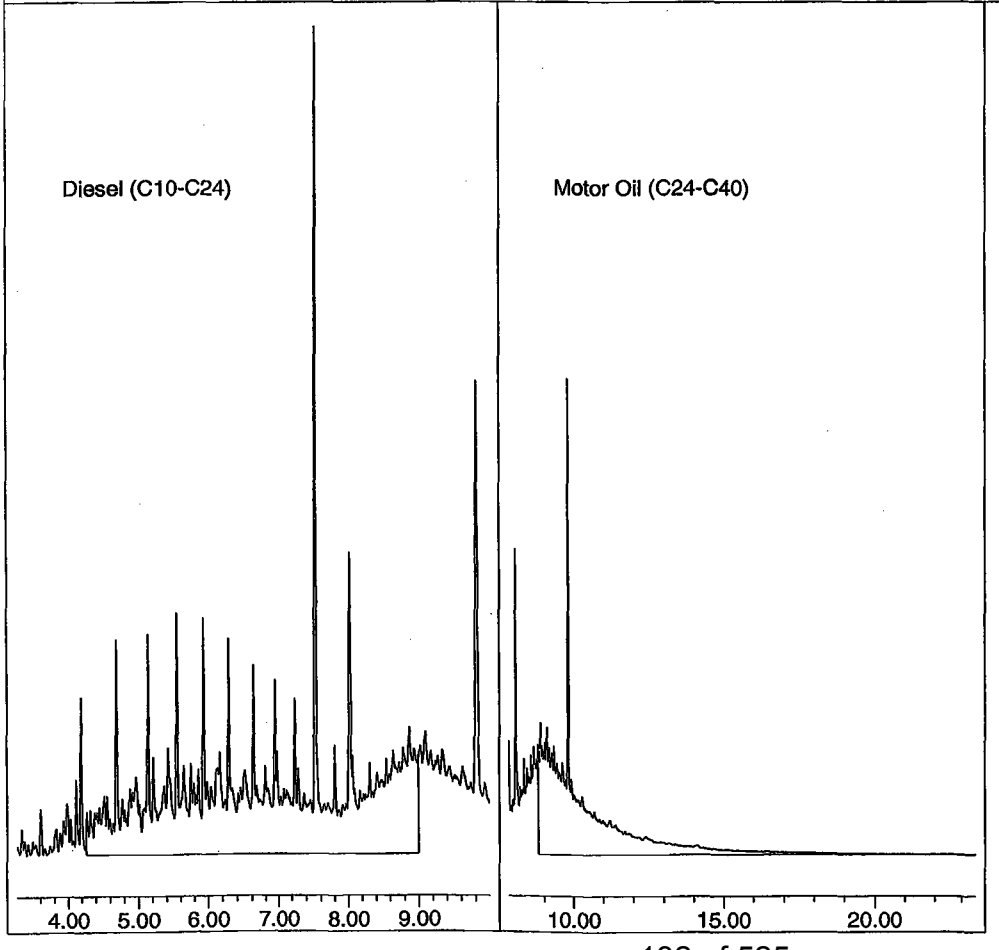
Method : G:\APOLLO\DATA\210911\DOC0830.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Oct 14 18:06:15 2021
Response via : Multiple Level Calibration

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

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.52	69592310	13.431 ppb
Surrogate Spike 30.000	Recovery =		44.77%
4) SA Octacosane(S)	9.81	50748038	13.172 ppb
Surrogate Spike 30.000	Recovery =		43.91%
Target Compounds			
1) HATM Diesel (C10-C24)	6.63	1078128022	266.917 ppb
2) HETM Motor Oil (C24-C40)	15.62	786768474	257.857 ppb
Target Compounds			

Data File: G:\APOLLO\DATA\211021\1021103.D
Sample : Diesel Motor Oil CCV 10/18/21





TPH Extractables
DOC0830

Form 7
Continuing Calibration

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

SDG No:
Date Analyzed: 10/23/2021
Instrument: Apollo
Initial Cal. Date: 8/30/2021
Data File: 1021117.D

		Compound	MEAN	CCRF	%D	%Drift	
1	HATM	Diesel (C10-C24)	2019600	1928540	4.5	HATM	
2	HBTM	Motor Oil (C24-C40)	2035830	1398620	31	HBTML	8.7
3	SA	Ortho-Terphenyl(S)	2590720	2472690	4.6	SA	
4	SA	Octacosane(S)	1926380	1767320	8.3	SA	
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		Average			12.1		

Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\211021\1021117.D Vial: 17
Acq On : 10-23-21 18:52:13 Operator: KA
Sample : Diesel Motor Oil CCV 10/18/21 Inst : Apollo
Misc : Water Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 24 16:45 2021 Quant Results File: DOC0830.RES

Method : G:\APOLLO\DATA\210911\DOC0830.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Oct 14 18:06:15 2021
Response via : Multiple Level Calibration

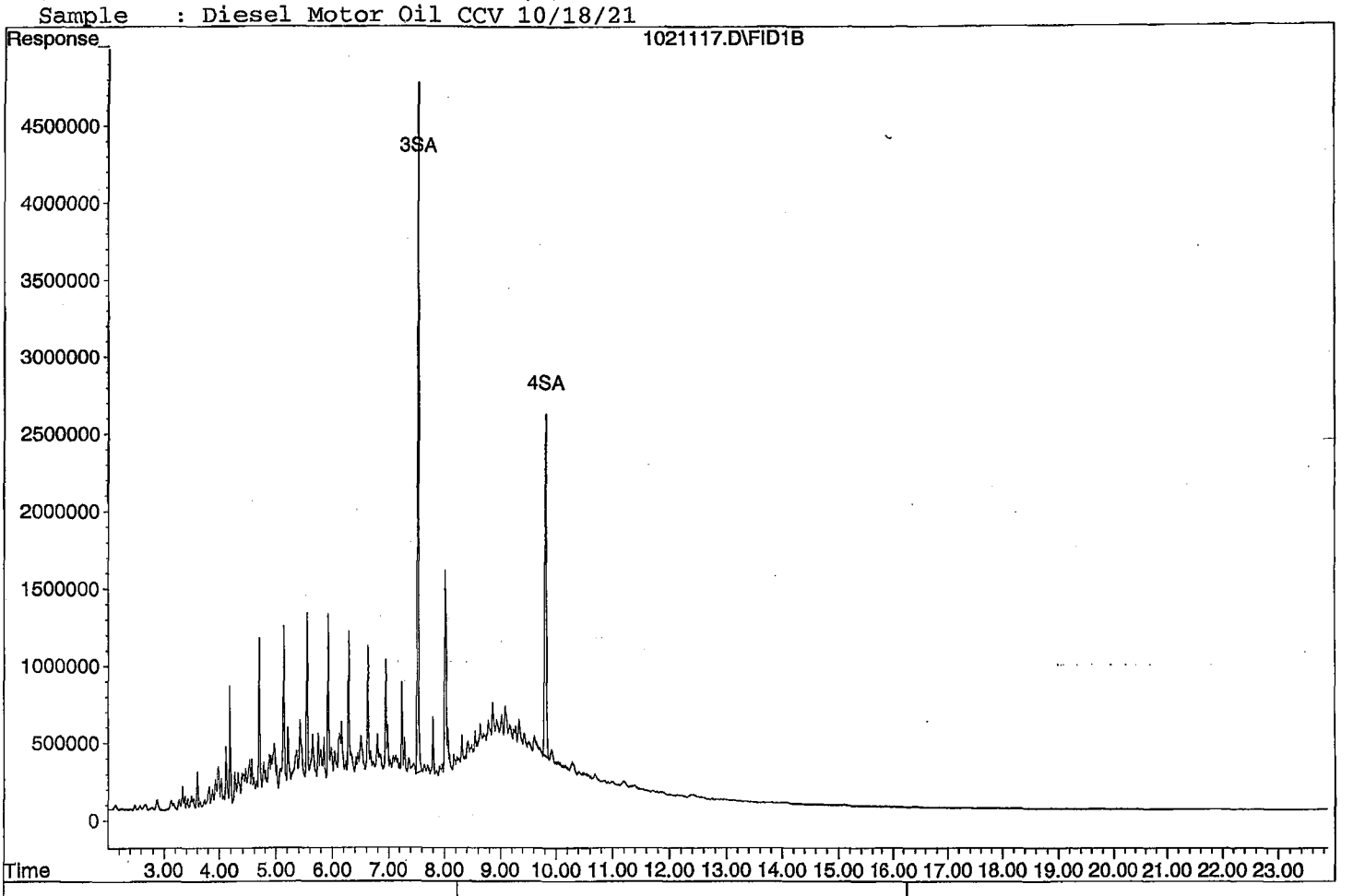
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

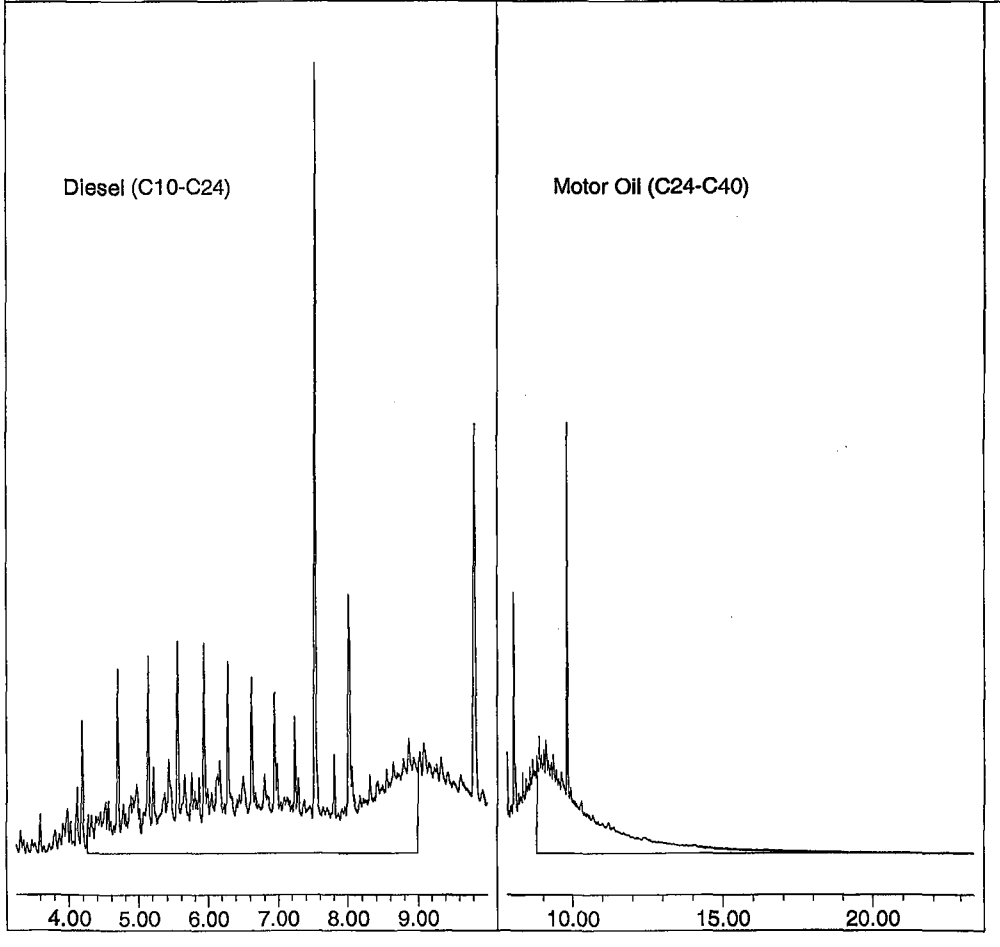
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.52	61817359	11.931 ppb
Surrogate Spike 30.000		Recovery =	39.77%
4) SA Octacosane(S)	9.81	44183055	11.468 ppb
Surrogate Spike 30.000		Recovery =	38.23%
Target Compounds			
1) HATM Diesel (C10-C24)	6.63	964270977	238.729 ppb
2) HBTM Motor Oil (C24-C40)	15.62	699312043	228.296 ppb

Target Compounds

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

Data File: G:\APOLLO\DATA\211021\1021117.D
Sample : Diesel Motor Oil CCV 10/18/21





ORGANICS
Raw Data

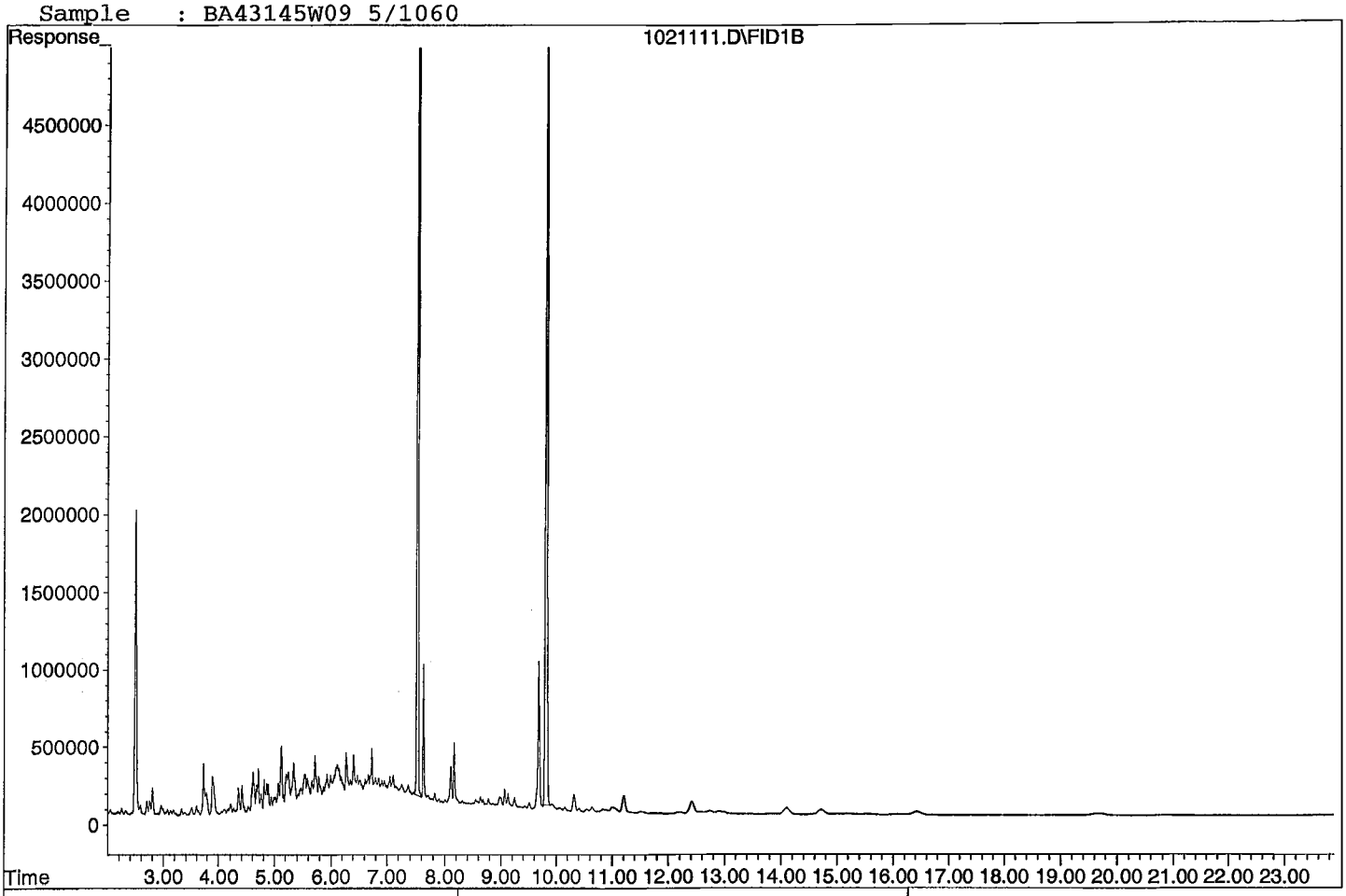
Data File : G:\APOLLO\DATA\211021\1021111.D Vial: 11
Acq On : 10-23-21 15:53:49 Operator: KA
Sample : BA43145W09 5/1060 Inst : Apollo
Misc : water Multiplr: 4.72
IntFile : events.e
Quant Time: Oct 25 7:51 2021 Quant Results File: DOC0830.RES

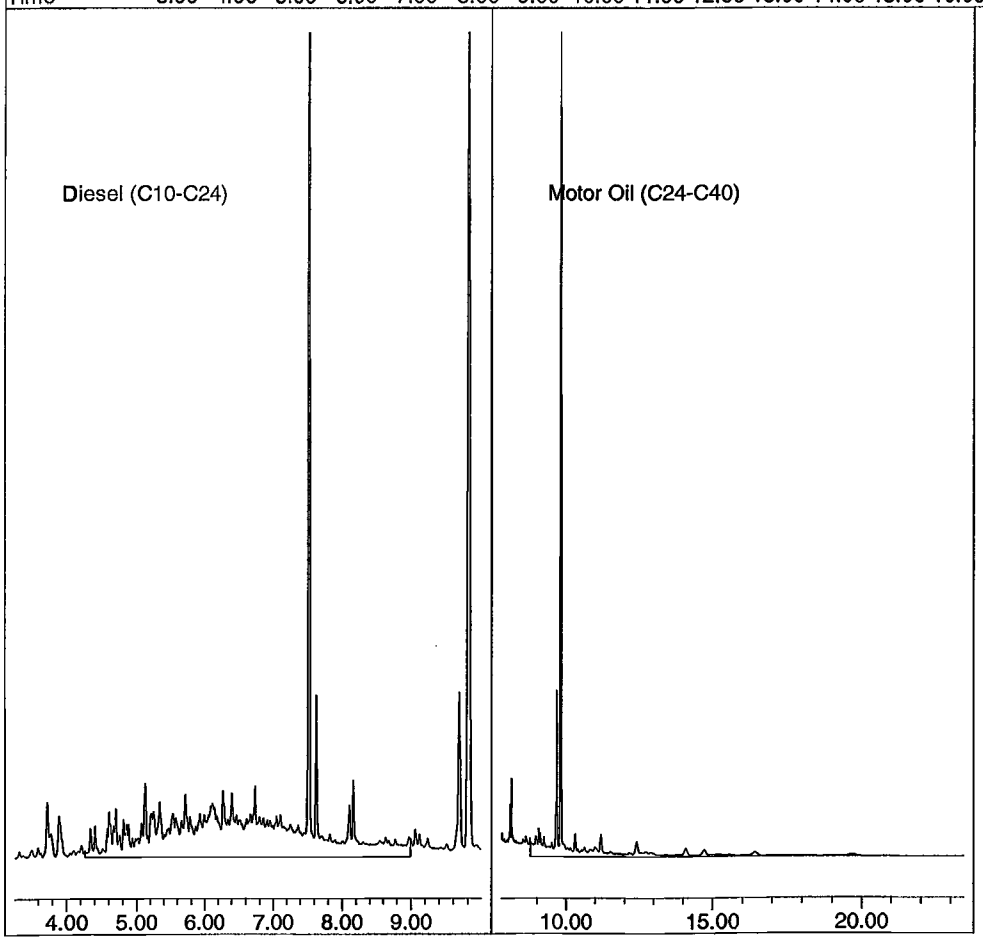
Method : G:\APOLLO\DATA\210911\DOC0830.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Oct 14 18:06:15 2021
Response via : Multiple Level Calibration

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

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.52	132088120	120.248 ppb
Surrogate Spike 141.509		Recovery =	84.98%
4) SA Octacosane(S)	9.81	116843502	143.053 ppb
Surrogate Spike 141.509		Recovery =	101.09%
Target Compounds			
1) HATM Diesel (C10-C24)	6.63	458504128	535.442 ppb
2) HBTM Motor Oil (C24-C40)	15.62	176171570	242.793 ppb
Target Compounds			

Data File: G:\APOLLO\DATA\211021\1021111.D
Sample : BA43145W09 5/1060





Quantitation Report (QT Reviewed)

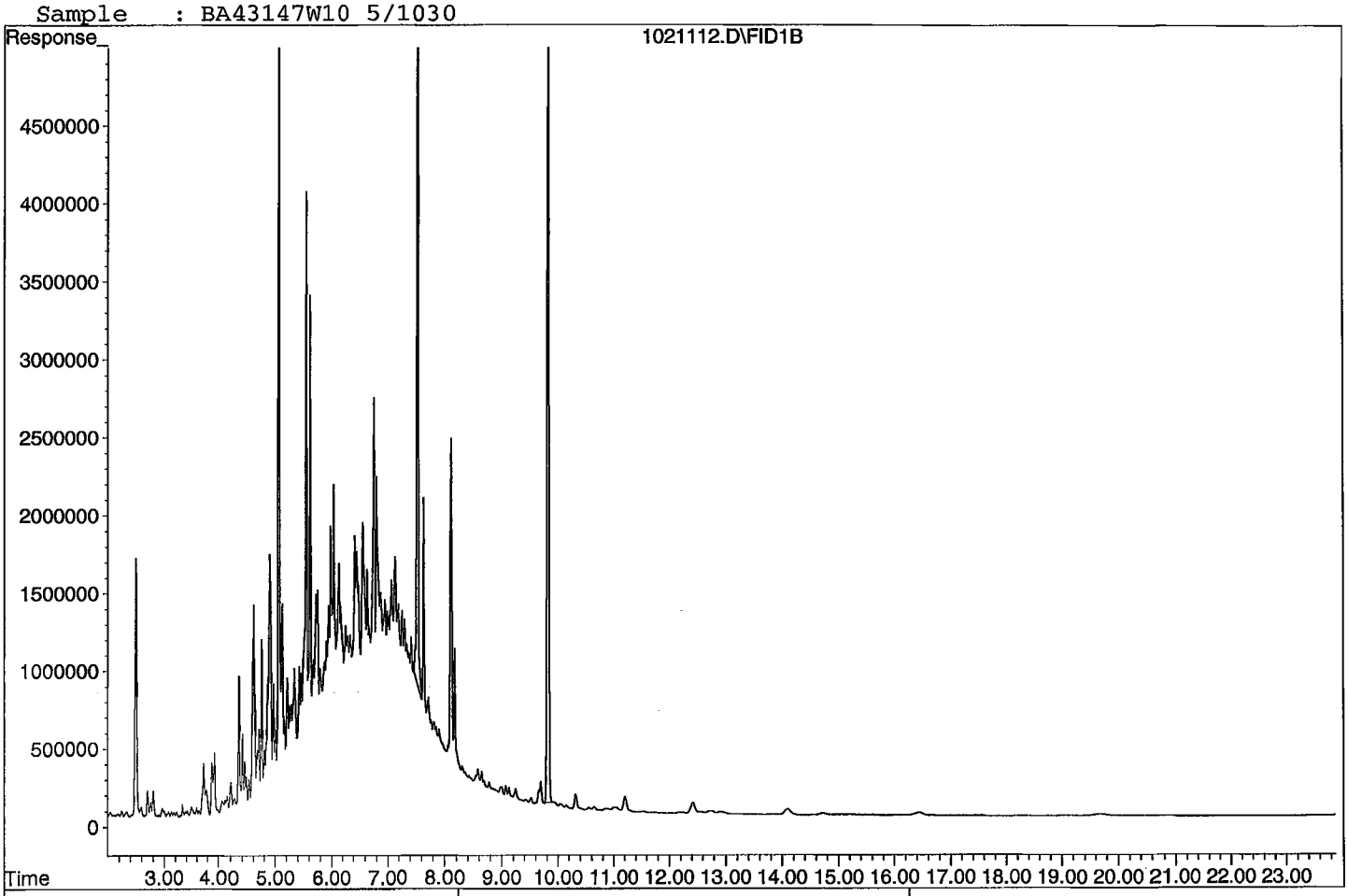
Data File : G:\APOLLO\DATA\211021\1021112.D Vial: 12
Acq On : 10-23-21 16:22:07 Operator: KA
Sample : BA43147W10 5/1030 Inst : Apollo
Misc : water Multiplr: 4.85
IntFile : events.e
Quant Time: Oct 25 7:51 2021 Quant Results File: DOC0830.RES

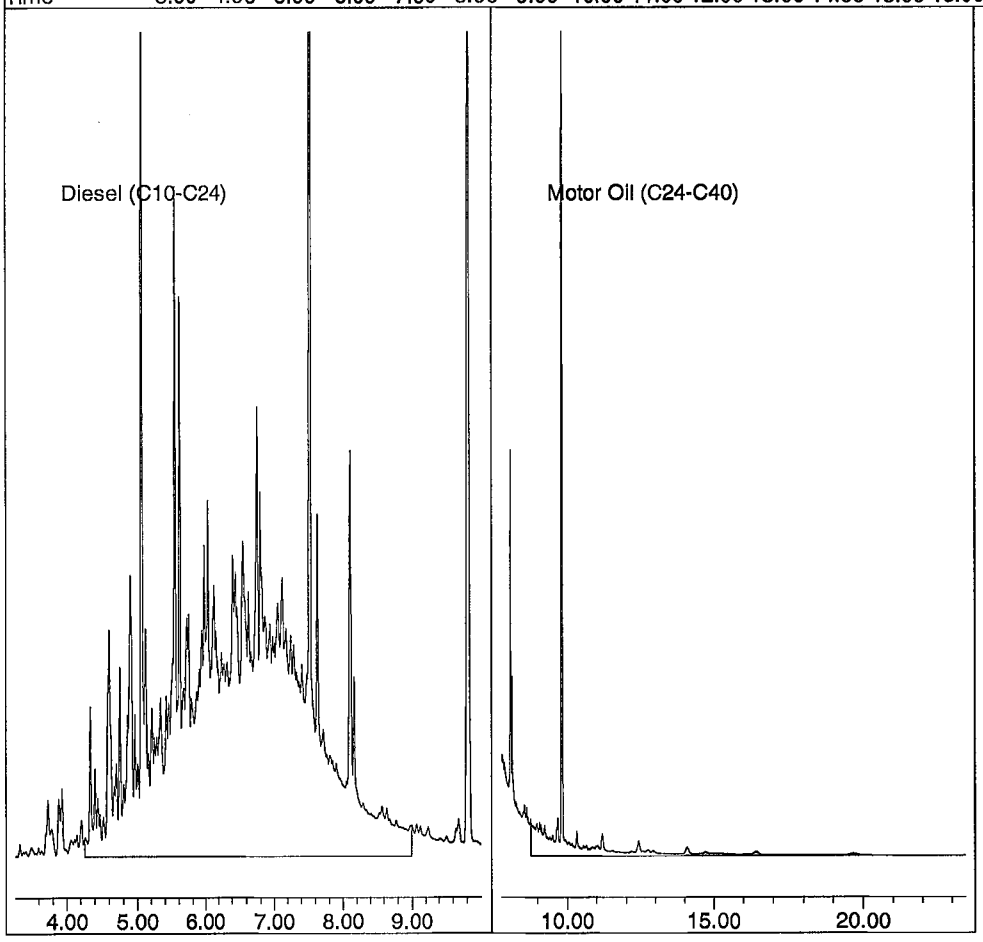
Method : G:\APOLLO\DATA\210911\DOC0830.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Oct 14 18:06:15 2021
Response via : Multiple Level Calibration

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

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.53	135252847	126.715 ppb
Surrogate Spike 145.631		Recovery =	87.01%
4) SA Octacosane(S)	9.81	120146107	151.381 ppb
Surrogate Spike 145.631		Recovery =	103.95%
Target Compounds			
1) HATM Diesel (C10-C24)	6.63	2465851786	2963.502 ppb
2) HBTM Motor Oil (C24-C40)	15.62	216617702	316.229 ppb
Target Compounds			

Data File: G:\APOLLO\DATA\211021\1021112.D
Sample : BA43147W10 5/1030





Quantitation Report (QT Reviewed)

Data File : G:\APOLLO\DATA\211021\1021113.D Vial: 13
Acq On : 10-23-21 16:58:58 Operator: KA
Sample : BA43149W10 5/1030 Inst : Apollo
Misc : water Multiplr: 4.85
IntFile : events.e
Quant Time: Oct 25 7:51 2021 Quant Results File: DOC0830.RES

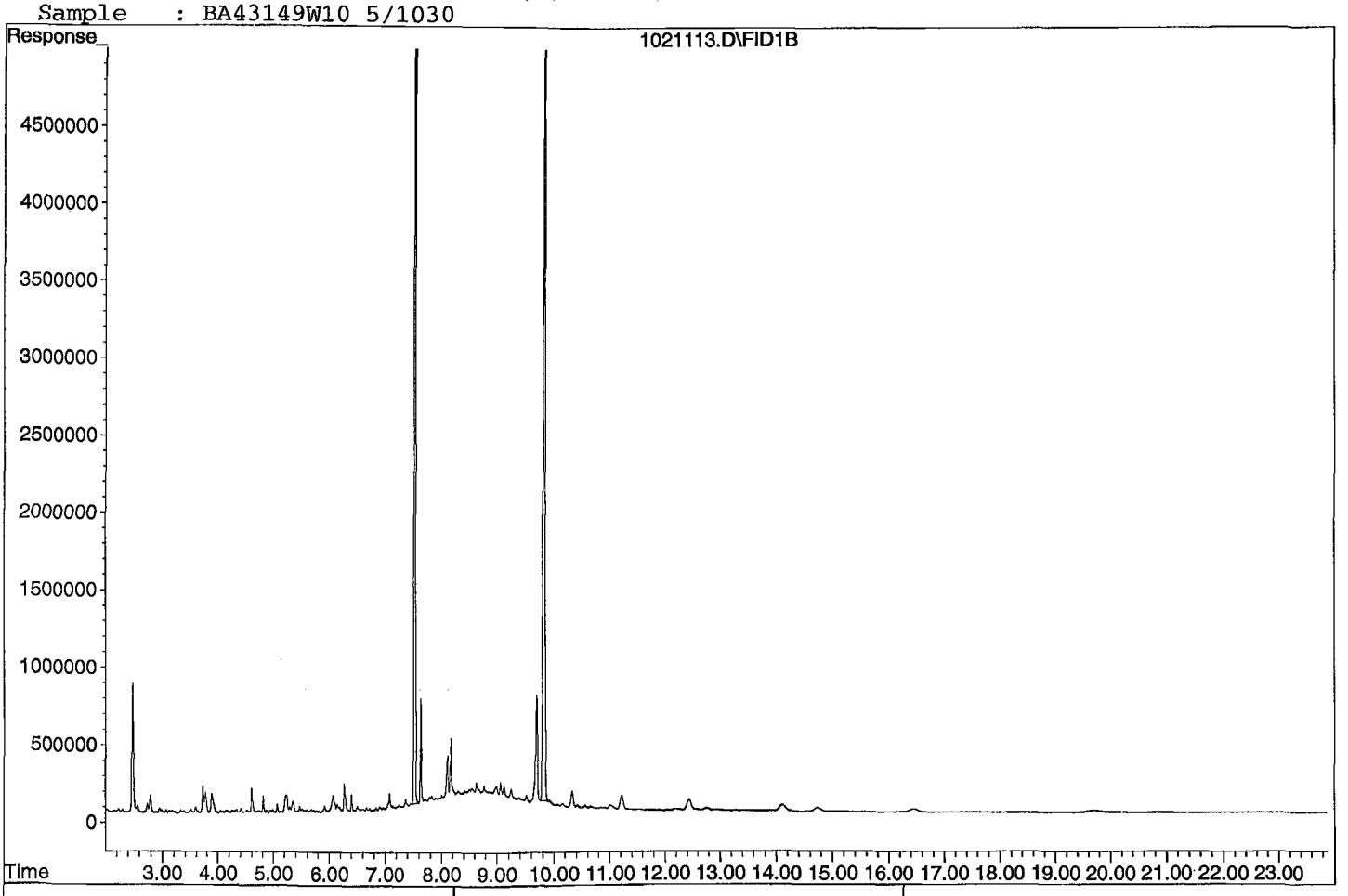
Method : G:\APOLLO\DATA\210911\DOC0830.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Oct 14 18:06:15 2021
Response via : Multiple Level Calibration

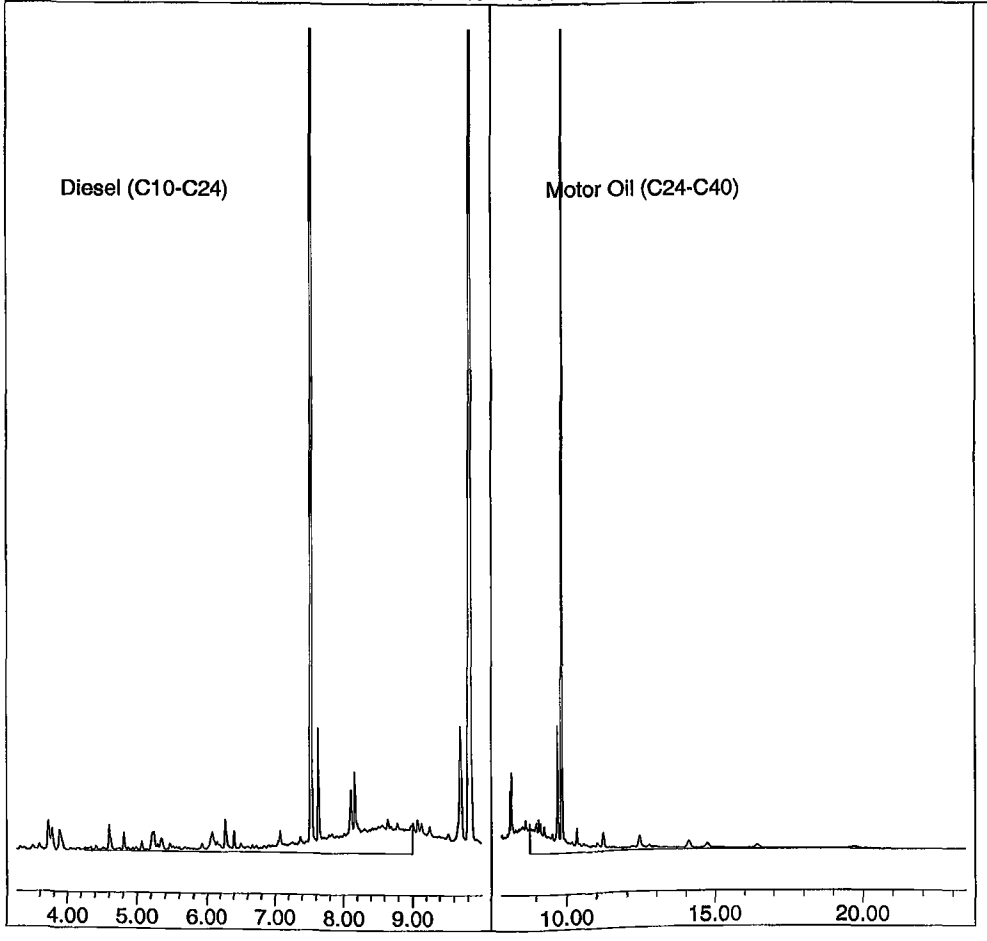
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.53	139630274	130.817 ppb
Surrogate Spike 145.631		Recovery =	89.83%
4) SA Octacosane(S)	9.82	128529835	161.944 ppb
Surrogate Spike 145.631		Recovery =	111.20%
Target Compounds			
1) HATM Diesel (C10-C24)	6.63	204829664	246.168 ppb
2) HBTM Motor Oil (C24-C40)	15.62	197599684	285.024 ppb
Target Compounds			

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

Data File: G:\APOLLO\DATA\211021\1021113.D
Sample : BA43149W10 5/1030





Data File : G:\APOLLO\DATA\211021\1021114.D Vial: 14
Acq On : 10-23-21 17:27:23 Operator: KA
Sample : BA43151W09 5/1040 Inst : Apollo
Misc : water Multiplr: 4.81
IntFile : events.e
Quant Time: Oct 25 7:51 2021 Quant Results File: DOC0830.RES

Method : G:\APOLLO\DATA\210911\DOC0830.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Oct 14 18:06:15 2021
Response via : Multiple Level Calibration

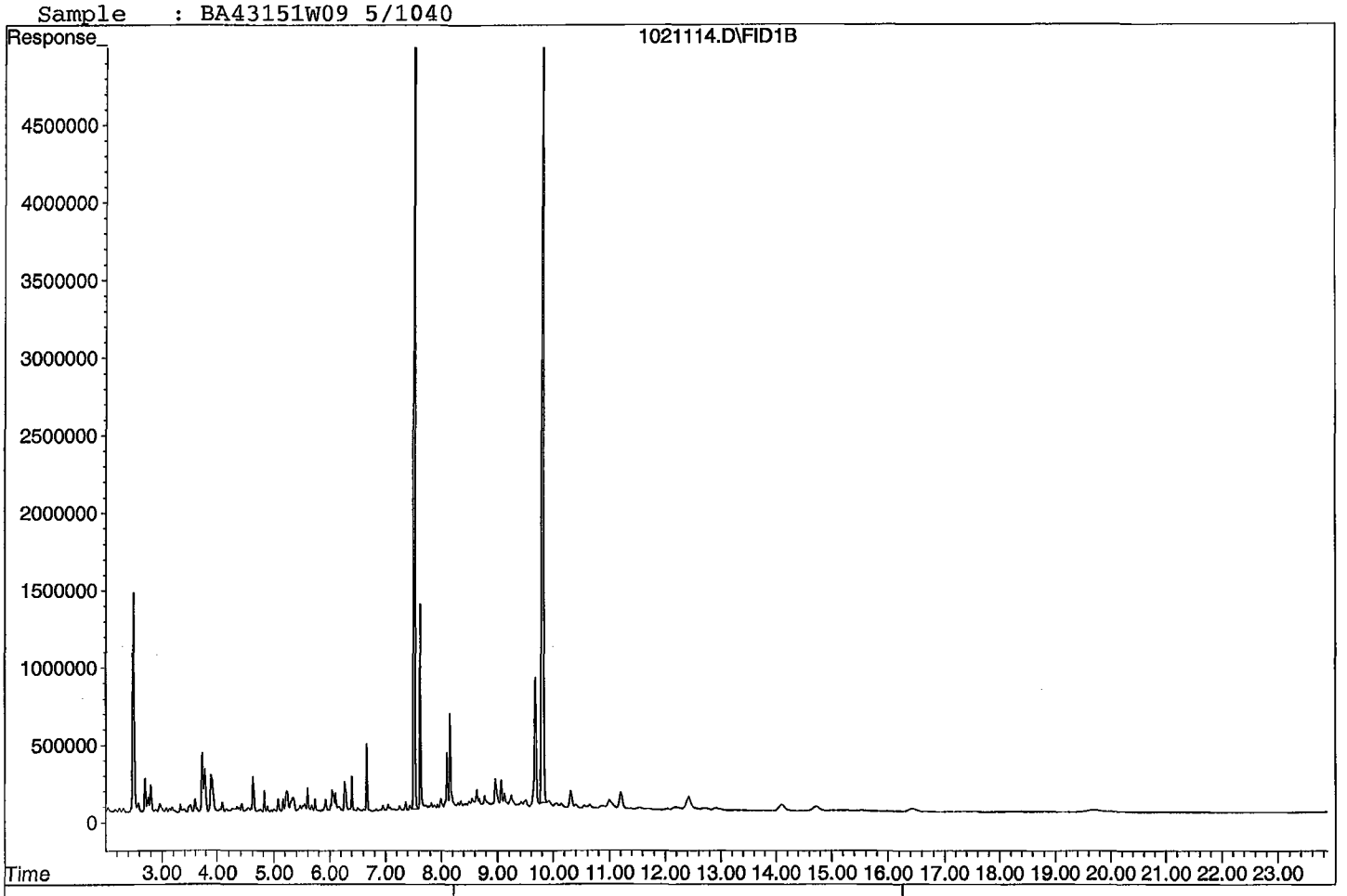
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

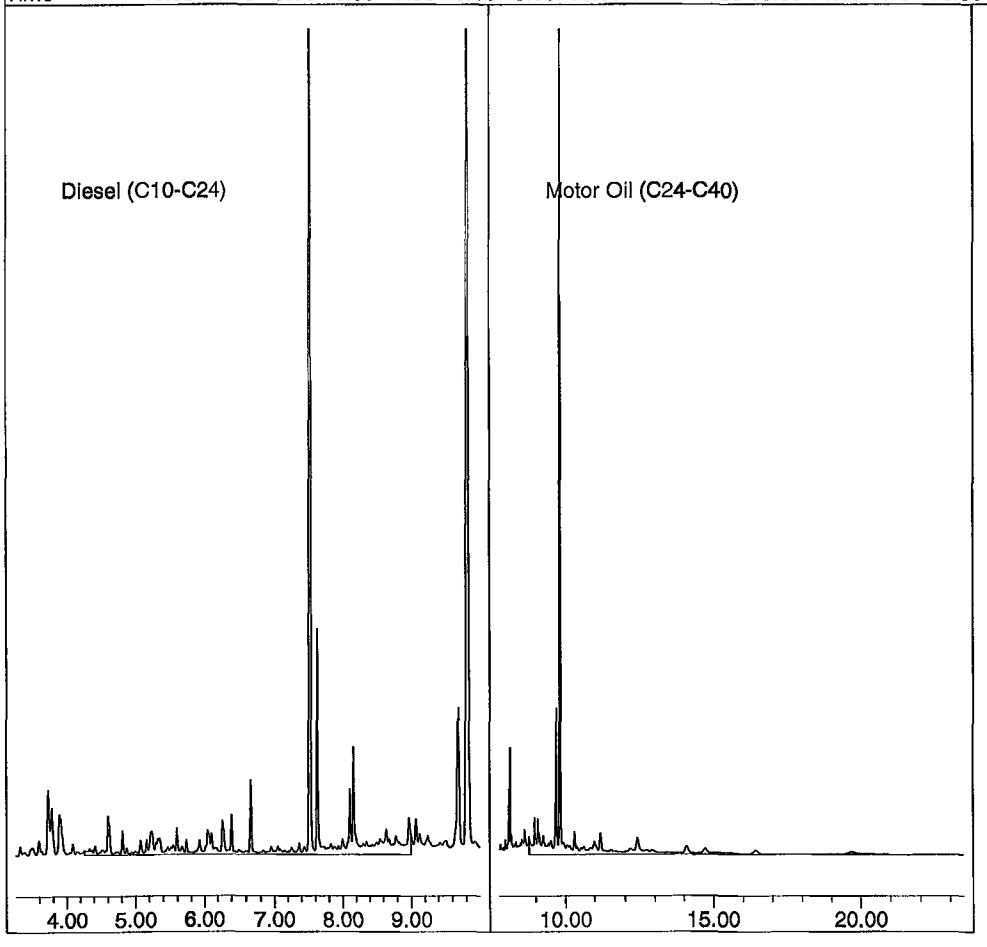
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.52	136171782	126.350 ppb
Surrogate Spike 144.231		Recovery =	87.60%
4) SA Octacosane(S)	9.81	121857681	152.061 ppb
Surrogate Spike 144.231		Recovery =	105.43%
Target Compounds			
1) HATM Diesel (C10-C24)	6.63	159310863	189.621 ppb
2) HBTM Motor Oil (C24-C40)	15.62	172417901	241.363 ppb

Target Compounds

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

Data File: G:\APOLLO\DATA\211021\1021114.D
Sample : BA43151W09 5/1040





Quantitation Report (QT Reviewed)

Data File : G:\APOLLO\DATA\211021\1021105.D Vial: 5
Acq On : 10-23-21 13:03:59 Operator: KA
Sample : 211018A BLK 5/1000 Inst : Apollo
Misc : water Multiplr: 5.00
IntFile : events.e
Quant Time: Oct 25 7:51 2021 Quant Results File: DOC0830.RES

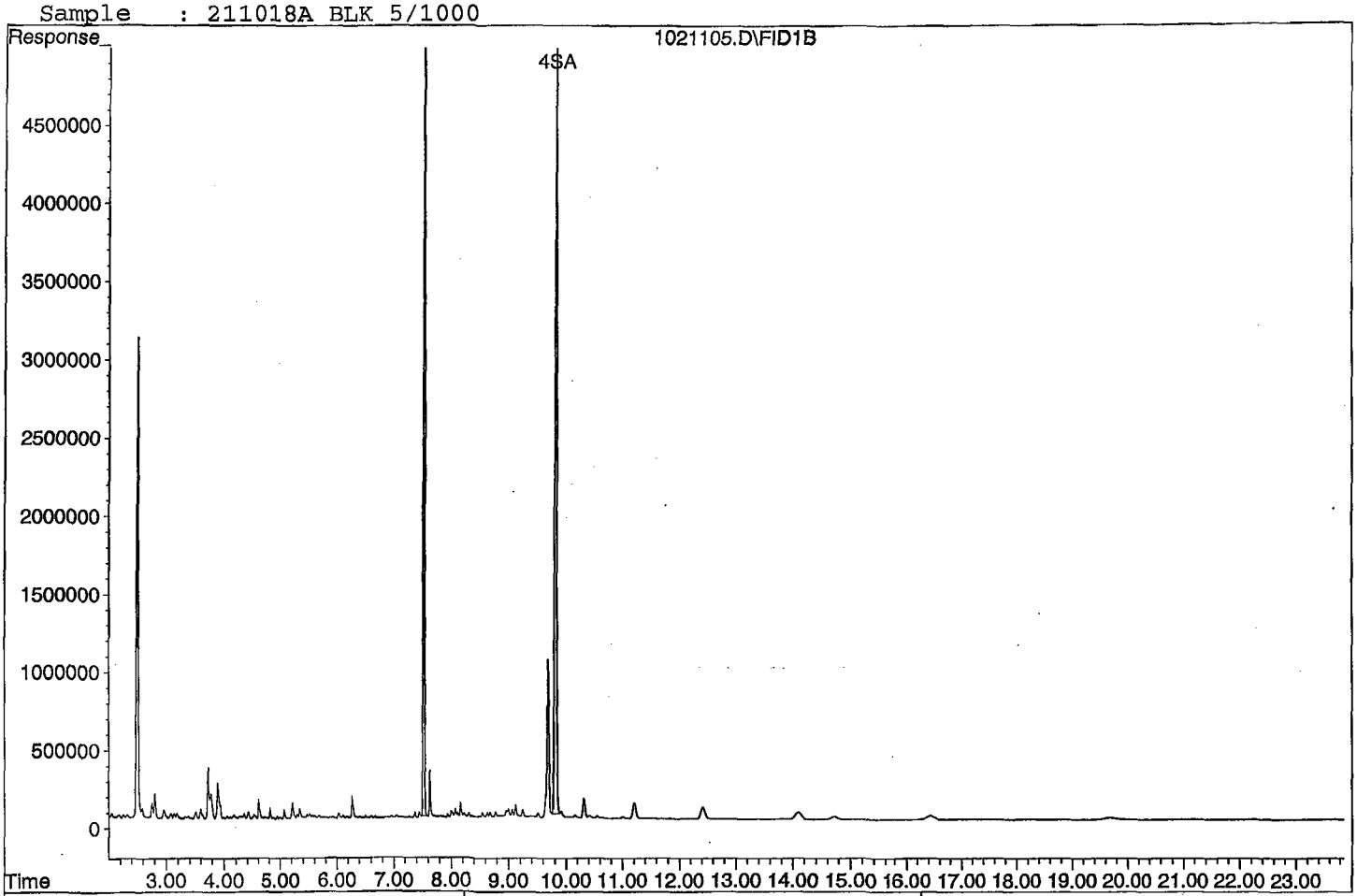
Method : G:\APOLLO\DATA\210911\DOC0830.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Oct 14 18:06:15 2021
Response via : Multiple Level Calibration

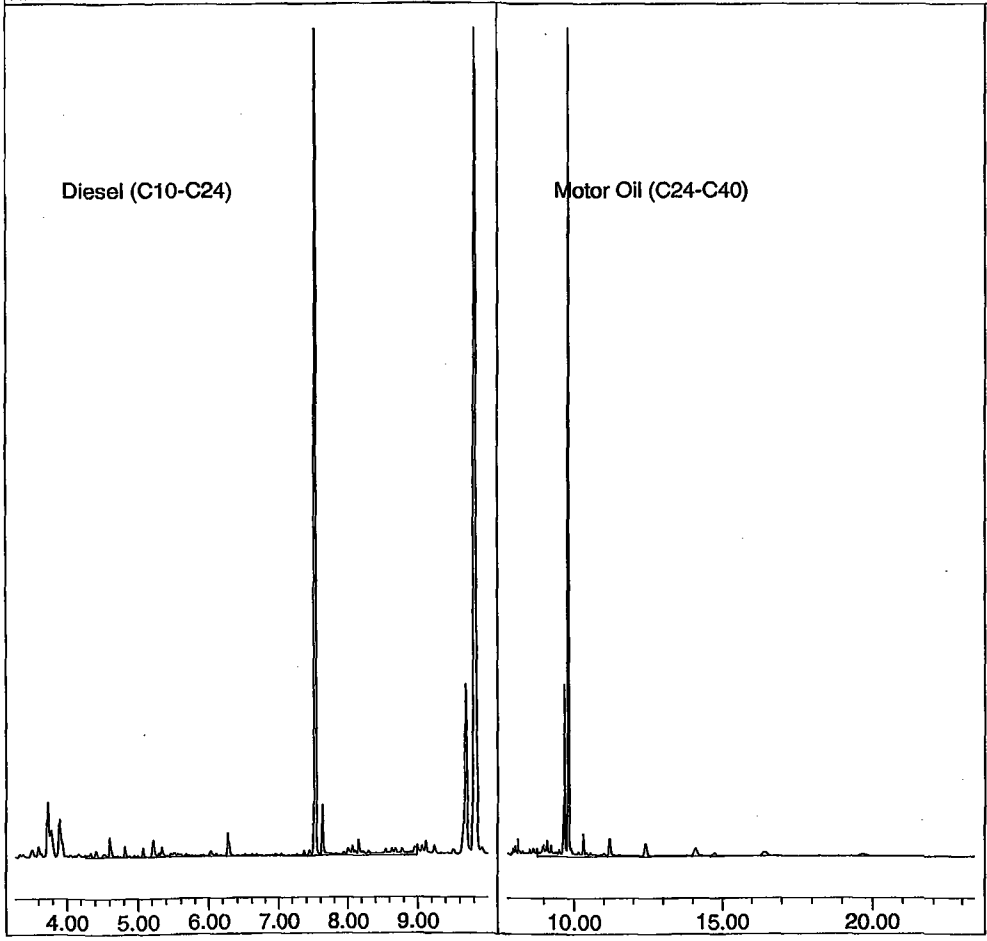
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.52	127241698	122.786 ppb
Surrogate Spike 150.000		Recovery =	81.86%
4) SA Octacosane(S)	9.82	112592739	146.120 ppb
Surrogate Spike 150.000		Recovery =	97.41%
Target Compounds			
1) HATM Diesel (C10-C24)	6.63	45415160	56.218 ppb
2) HBTM Motor Oil (C24-C40)	15.62	100118323	128.829 ppb

Target Compounds

Data File: G:\APOLLO\DATA\211021\1021105.D
Sample : 211018A BLK 5/1000





Quantitation Report (QT Reviewed)

Data File : G:\APOLLO\DATA\211021\1021106.D Vial: 6
Acq On : 10-23-21 13:32:13 Operator: KA
Sample : 211018A LCS-1 5/1000 Inst : Apollo
Misc : water Multiplr: 5.00
IntFile : events.e
Quant Time: Oct 25 7:51 2021 Quant Results File: DOC0830.RES

Method : G:\APOLLO\DATA\210911\DOC0830.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Oct 14 18:06:15 2021
Response via : Multiple Level Calibration

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

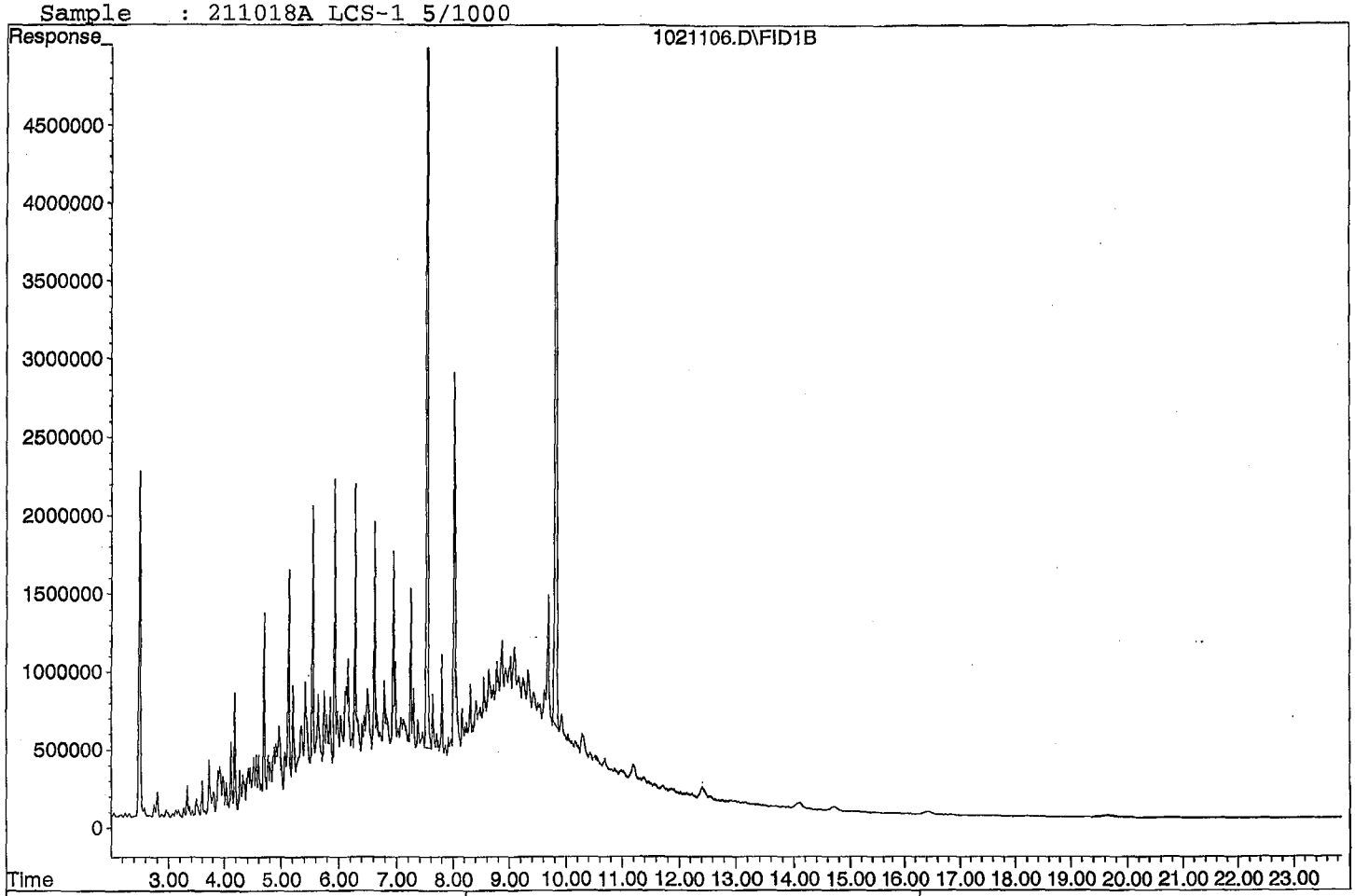
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.52	155062057	149.632 ppb
Surrogate Spike 150.000		Recovery =	99.75%
4) SA Octacosane(S)	9.81	120778702	156.743 ppb
Surrogate Spike 150.000		Recovery =	104.50%
Target Compounds			
1) HATM Diesel (C10-C24)	6.63	1651811305	2044.729 ppb
2) HBTM Motor Oil (C24-C40)	15.62	1196681155	1982.045 ppb

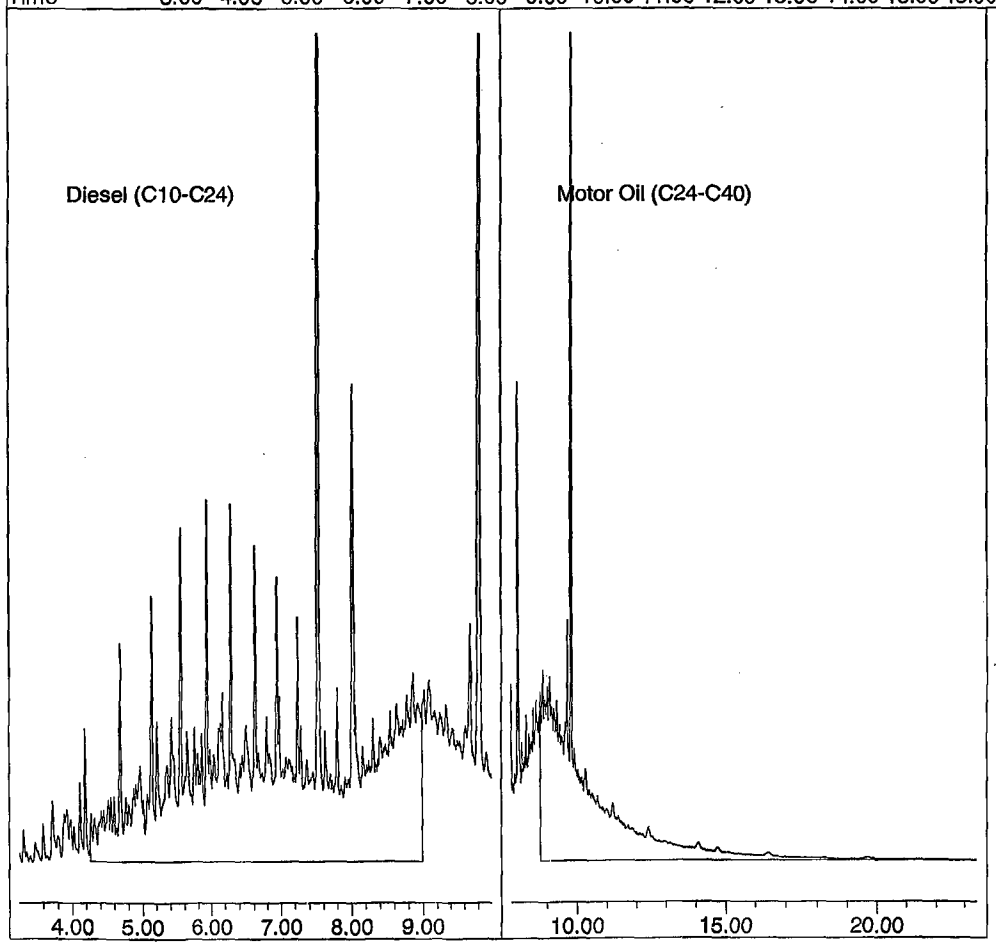
Target Compounds

Diesel:

$$\frac{(1651811305)(5)}{(2019597)(2)} = \frac{8259056525}{4039194} = \boxed{2044.729}$$

Data File: G:\APOLLO\DATA\211021\1021106.D
Sample : 211018A LCS-1 5/1000





Quantitation Report (QT Reviewed)

Data File : G:\APOLLO\DATA\211021\1021107.D Vial: 7
Acq On : 10-23-21 14:00:30 Operator: KA
Sample : 211018A LCSD-1 5/1000 Inst : Apollo
Misc : water Multiplr: 5.00
IntFile : events.e
Quant Time: Oct 25 7:51 2021 Quant Results File: DOC0830.RES

Method : G:\APOLLO\DATA\210911\DOC0830.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Oct 14 18:06:15 2021
Response via : Multiple Level Calibration

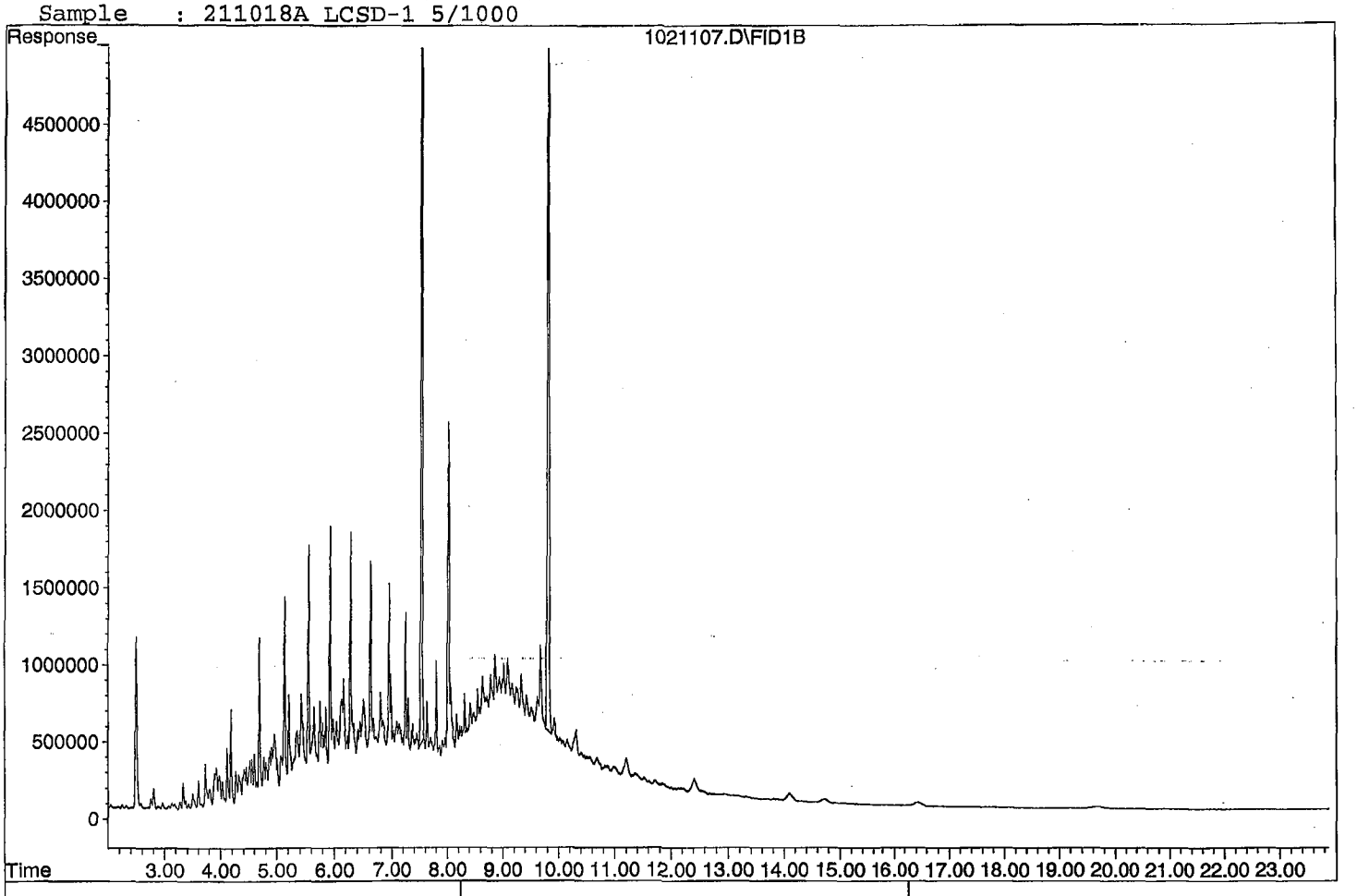
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

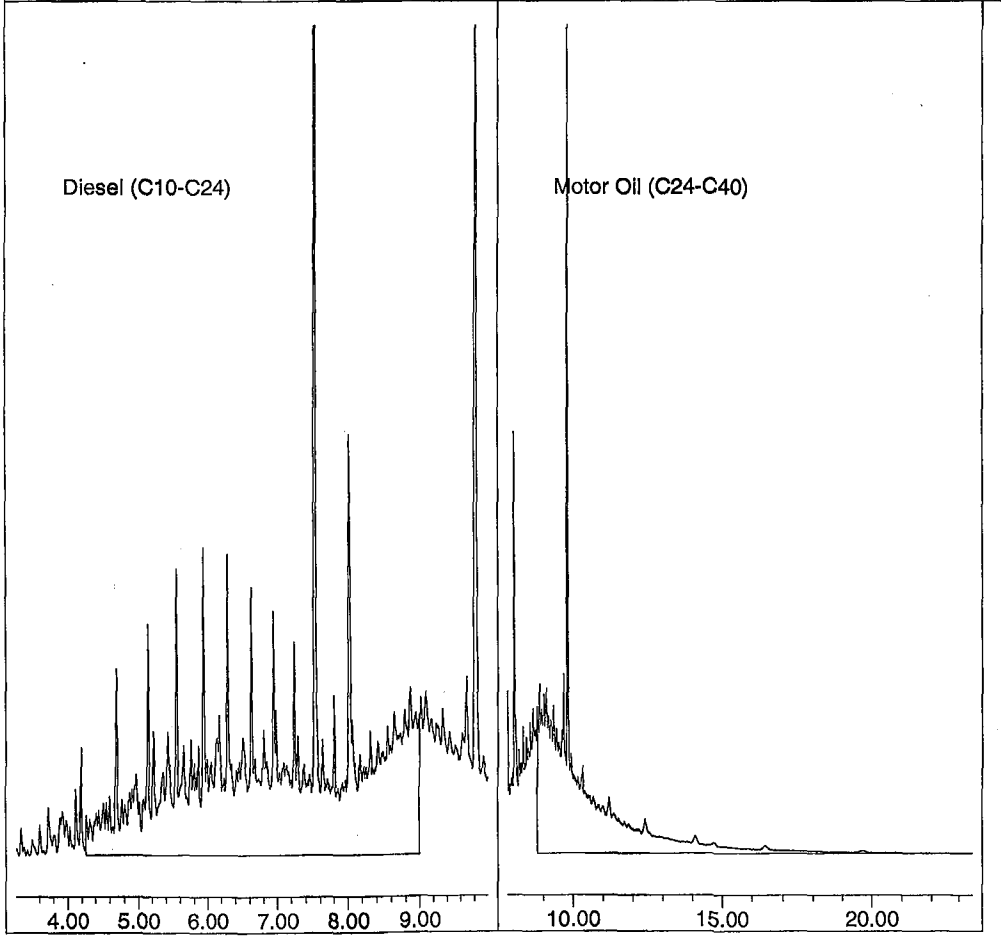
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.52	132719553	128.072 ppb
Surrogate Spike 150.000		Recovery =	85.38%
4) SA Octacosane(S)	9.81	106427014	138.118 ppb
Surrogate Spike 150.000		Recovery =	92.08%
Target Compounds			
1) HATM Diesel (C10-C24)	6.63	1435982396	1777.561 ppb
2) HBTM Motor Oil (C24-C40)	15.62	1058296284	1748.171 ppb

Target Compounds

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

Data File: G:\APOLLO\DATA\211021\1021107.D
Sample : 211018A LCSD-1 5/1000





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	3	1021103.D	1	Diesel Motor Oil CCV 10/18/21	water	10-23-21 12:07:22
10	5	1021105.D	5	211018A BLK 5/1000	water	10-23-21 13:03:59
11	6	1021106.D	5	211018A LCS-1 5/1000	water	10-23-21 13:32:13
12	7	1021107.D	5	211018A LCSD-1 5/1000	water	10-23-21 14:00:30
13	11	1021111.D	4.71698	BA43145W09 5/1060	water	10-23-21 15:53:49
14	12	1021112.D	4.85437	BA43147W10 5/1030	water	10-23-21 16:22:07
15	13	1021113.D	4.85437	BA43149W10 5/1030	water	10-23-21 16:58:58
16	14	1021114.D	4.80769	BA43151W09 5/1040	water	10-23-21 17:27:23
17	17	1021117.D	1	Diesel Motor Oil CCV 10/18/21	Water	10-23-21 18:52:13

_LIQ005SGC

Organic Extraction Worksheet

Method	Continuous Liq/Liq TPH- 3520C w/SGC	Extraction Set	211018A	Extraction Method	LIQ005SGC	Units	mL

Spiked ID 1	Diesel Motor Oil Mix 10/16/21-10/16/21		Surrogate ID 1	THC Surrogate 10/06/21-10/06/22	
Spiked ID 2	Decanoic 1000ug/mL Acid Solution 10/18/21-10/18/22		Surrogate ID 2		
Spiked ID 3			Surrogate ID 3		
Spiked ID 4			Surrogate ID 4		
Spiked ID 5			Surrogate ID 5		
Spiked ID 6			Sufficient Vol for Matrix QC:	NO	
Spiked ID 7			Ext. Start Time:	10/18/21 13:36	
Spiked ID 8			Ext. End Time:	10/19/21 7:36	
			GC Requires Extract By:		

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

Spiked By: SR **Date** 10/18/2021 11:20:00 AM **Witnessed By:** CG **Date** 10/18/2021 11:20:00 AM

	Sample	Sample	Spike	Spike	Surrogate	Surrogate	Extract	Final	pH	Extract	Comments
1	211018A Blk		0.050	2	0.250	1 equip	1000	5	2	10/18/21 11:20	*
2	211018A LCS-1		0.080,0.050	1,2	0.250	1 equip	1000	5	2	10/18/21 11:20	*
3	211018A LCSD-1		0.080,0.050	1,2	0.250	1 equip	1000	5	2	10/18/21 11:20	*
4	BA42994	BA42994W09	0.050	2	0.250	1 equip	1040	5	2	10/18/21 11:20	97833 *
5	BA42996	BA42996W09	0.050	2	0.250	1 equip	1040	5	2	10/18/21 11:20	97833 *
6	BA42997	BA42997W07	0.050	2	0.250	1 equip	1040	5	2	10/18/21 11:20	97833 *
7	BA43145	BA43145W09	0.050	2	0.250	1 equip	1060	5	2	10/18/21 11:20	97850 *
8	BA43147	BA43147W10	0.050	2	0.250	1 equip	1030	5	2	10/18/21 11:20	97850 *
9	BA43149	BA43149W10	0.050	2	0.250	1 equip	1030	5	2	10/18/21 11:20	97850 *
10	BA43151	BA43151W09	0.050	2	0.250	1 equip	1040	5	2	10/18/21 11:20	97850 *

Solvent and Lot#	
1+1 HCL (5mLs)	*
PH Strips	HC155968
Dichloromethane (300mL))	61117
Filter Paper	400196
Sodium Sulfate	2021071206
SILICA GEL (*)	*

Extraction COC Transfer	
Extraction lab employee Initials	
GC analyst's initials	CW
Date	10/20/21
Time	10:10
Refrigerator	Hobart

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

Modified	10/19/2021 7:47:47 AM

Reviewed By: **Date**

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: 10/18/2021
Expires: 5/31/2026
Methylene Chloride Lot No. 61117

Prepared By (Initials): KA

Initial Standard Information							Final Standard			
Name of Initial Standard (QAU Label)	Supplier	APPL Mix Name	Conc. (ug/mL)	Reference to APPL Prep Date and Lot #'s	Exp. Date	Exp. Date (Manufacturer)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/mL)
Diesel / Motor Oil STD	Restek	Diesel / Motor Oil CCV	2,000	Perp'd: 10/06/21 A0164485-52822, A0168842-52820, A0166510-52817, CL16893-52835	**9/17/2022**	**10/31/2027 12/31/2027 5/31/2026**	1250uL	10mL	MC	250

Diesel Motor Oil Mix

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

Expires: 10/31/2027

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

THC Surrogate

Prepared: 10/6/2021 **KA**

Expires: 5/31/2026

Initial Standard Information							Final Standard			
Name of Initial Standard (QAU Label)	Supplier	Supplier Part No.	Conc. (ug/mL)	Lot Number - QA Number	Exp. Date (1 yr.)	Exp. Date (Manufacturer)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/mL)
O-terphenyl / Octacosane Mix	Phenova	ALO-130161	600	**CL16893-52835**	**10/6/2021**	**5/31/2026**	N/A	N/A	N/A	600

ORGANICS
Calibration Data

TPH Extractables
DOC0831

Form 6
Initial Calibration

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

SDG No:
Initial Cal. Date: 8/30/2021
Instrument: Apollo

Initials: KA

		Compound	1	2	3	4	5	6	7				Avg	%RSD	Type	r^2	Q
			830004.D	830005.D	830006.D	830007.D	830008.D	830009.D	830010.D								
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		
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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

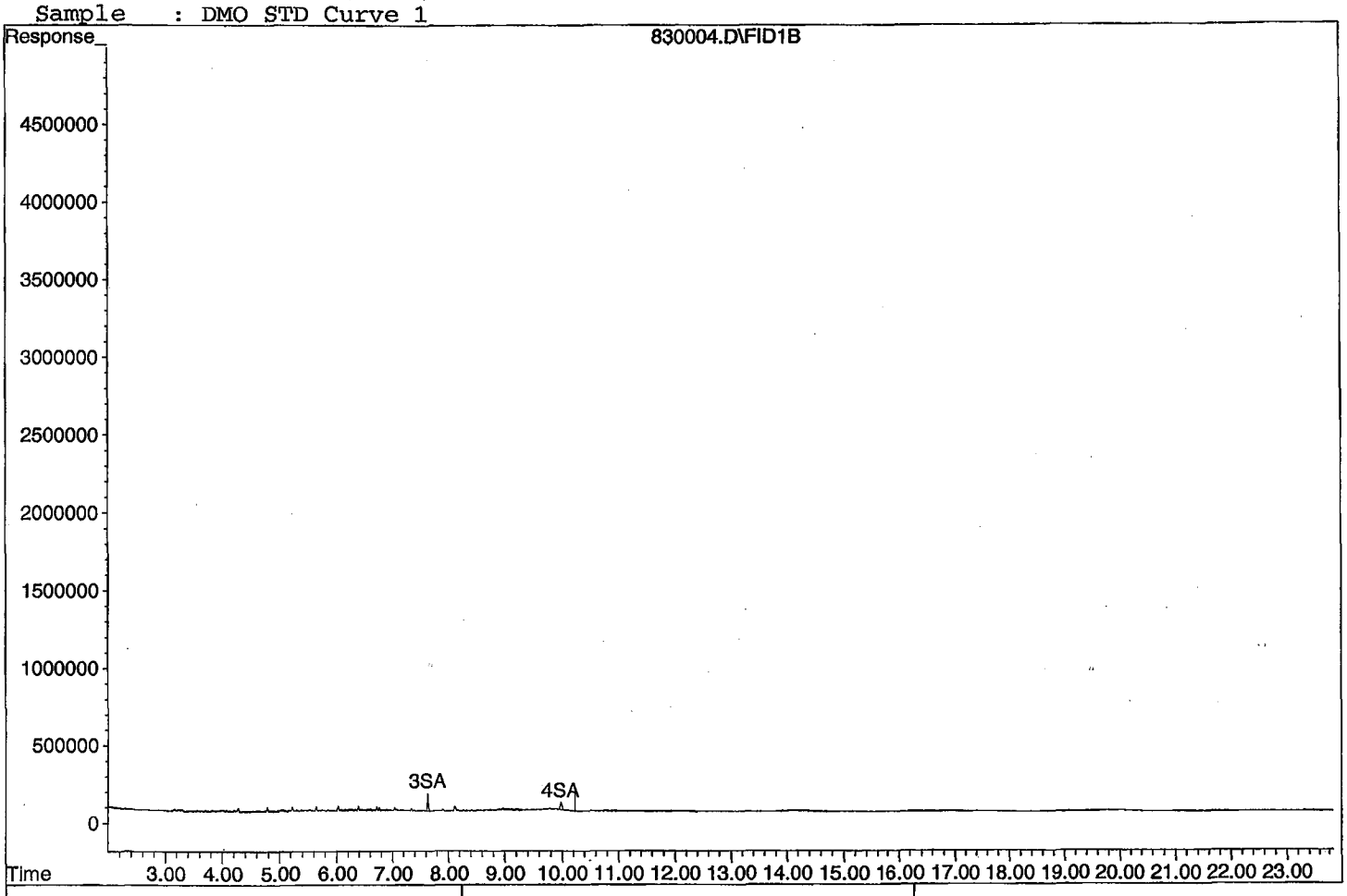
Method : G:\APOLLO\DATA\210830\DOC0830.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Tue Aug 31 09:20:02 2021
Response via : Multiple Level Calibration

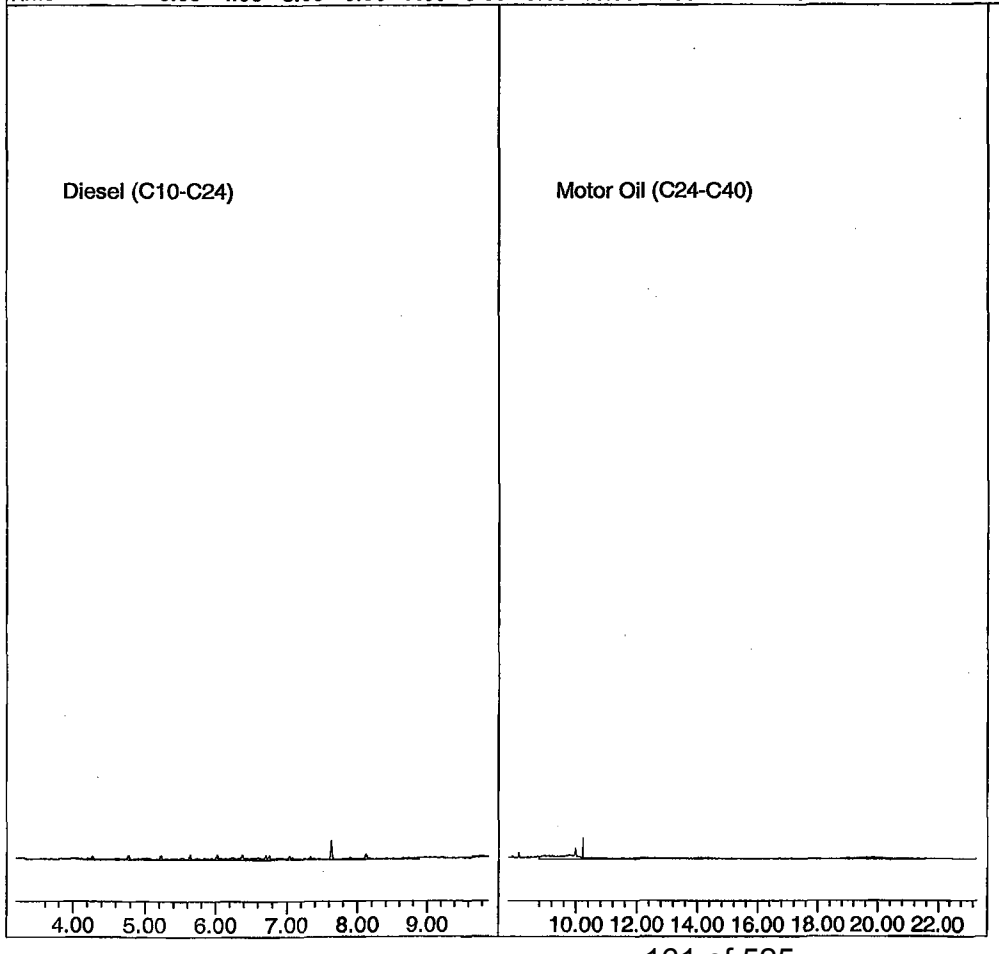
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

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

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





Quantitation Report (Not Reviewed)

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

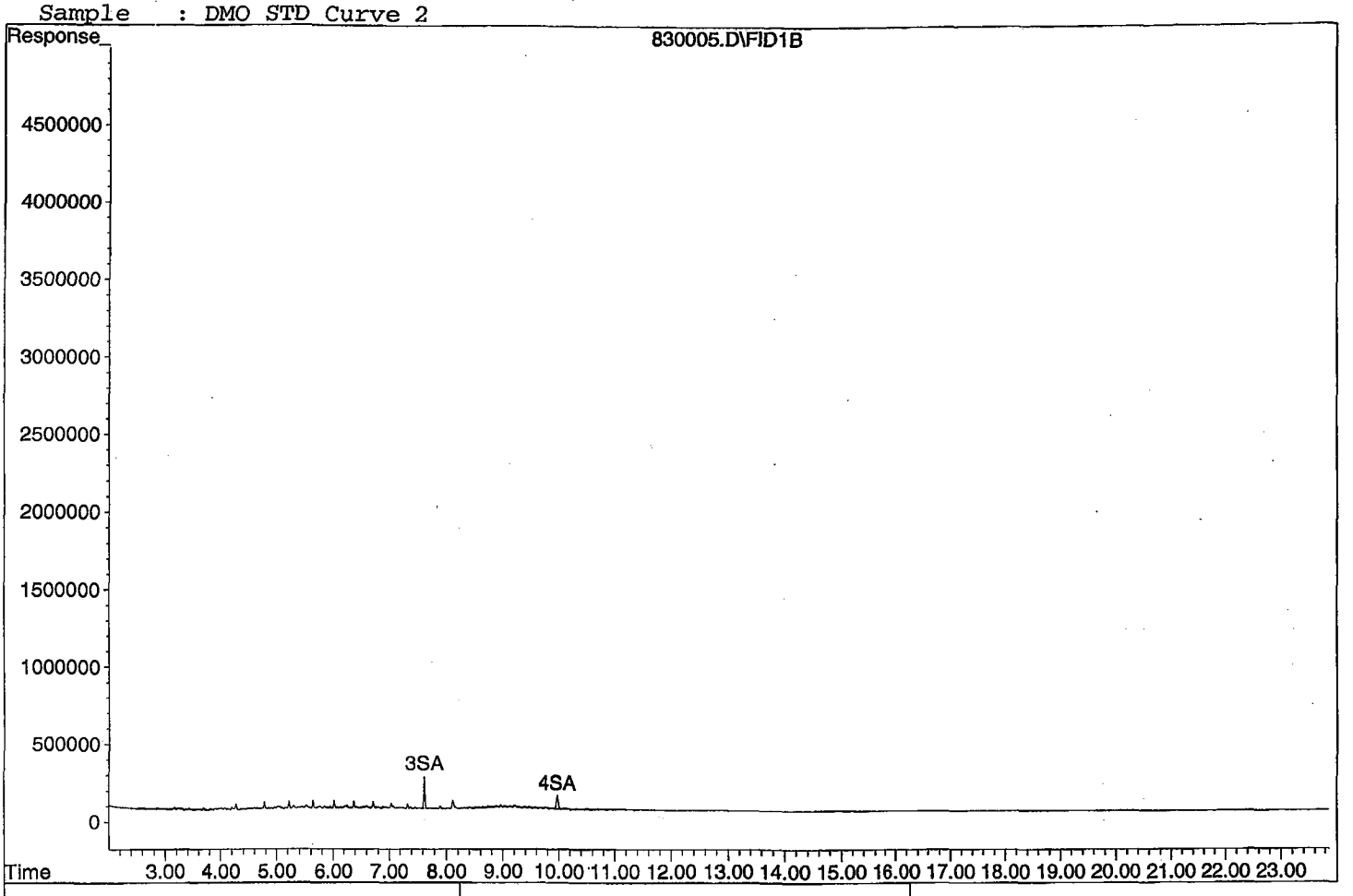
Method : G:\APOLLO\DATA\210830\DOC0830.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Tue Aug 31 09:20:02 2021
Response via : Multiple Level Calibration

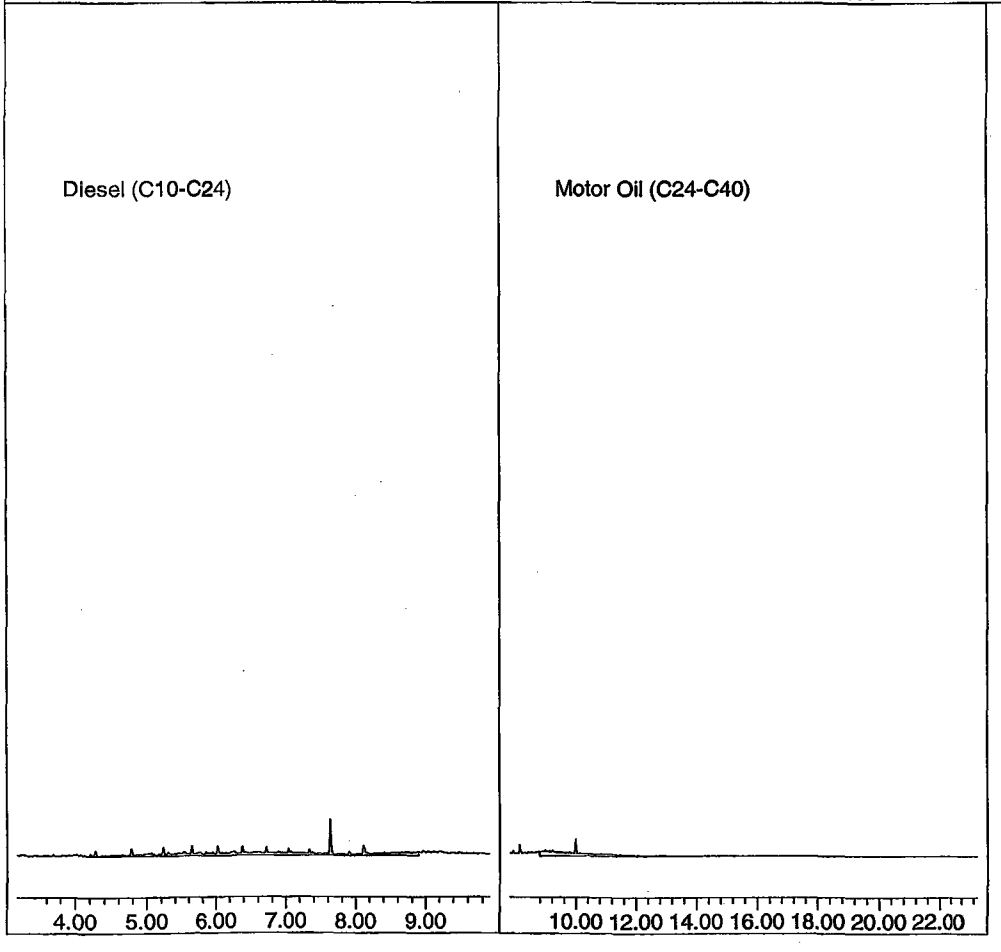
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

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

(f)=RT Delta > 1/2 Window (m)=manual int.
830005.D DOC0830.M Wed Sep 08 12:56:15 2021

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





Quantitation Report (Not Reviewed)

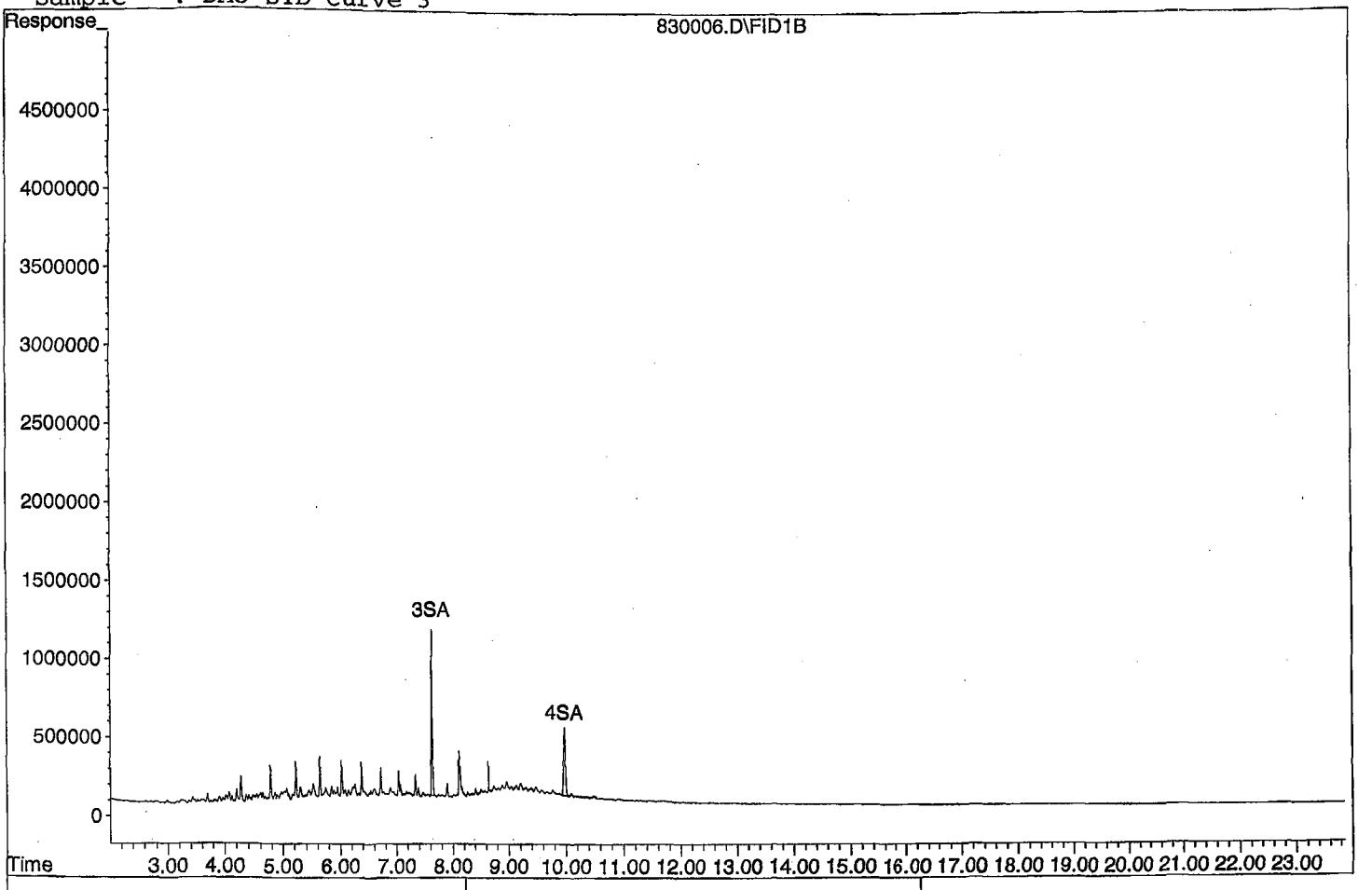
Data File : G:\APOLLO\DATA\210830\830006.D Vial: 6
Acq On : 8-30-21 15:20:31 Operator: KA
Sample : DMO STD Curve 3 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 8 12:55 2021 Quant Results File: DOC0830.RES

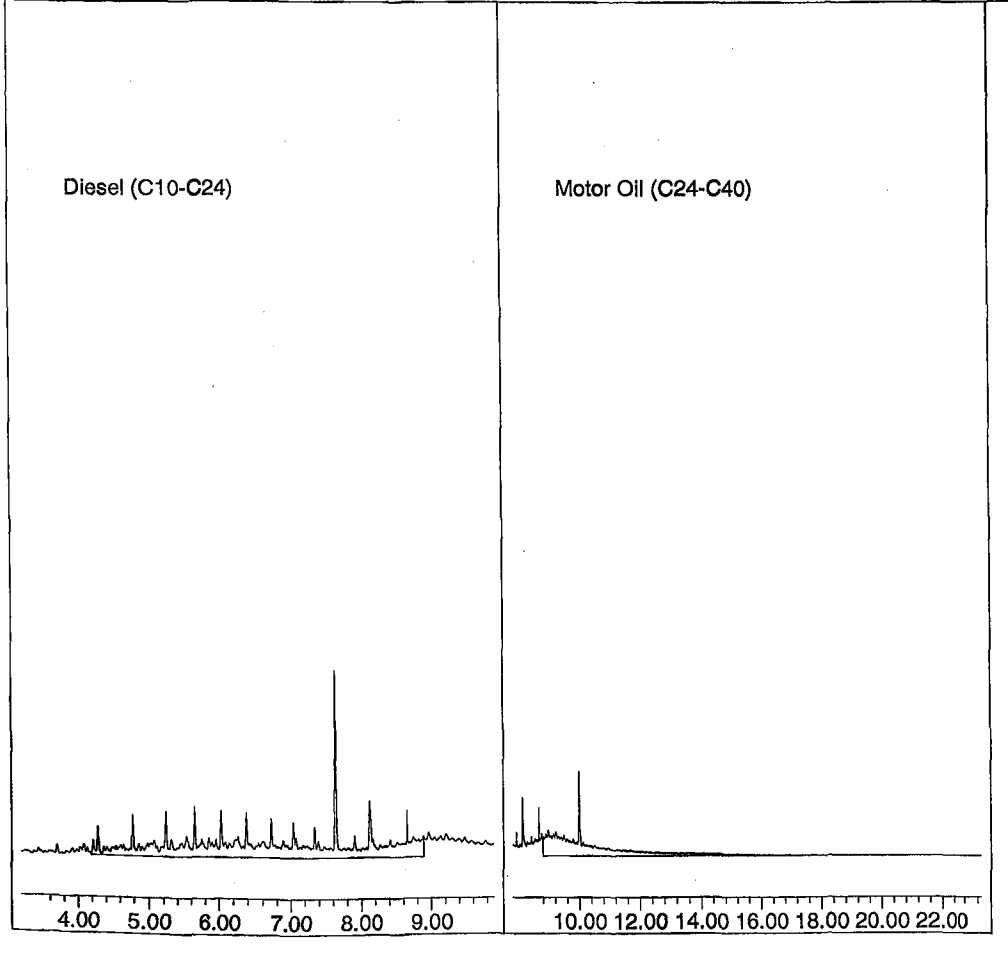
Method : G:\APOLLO\DATA\210830\DOC0830.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Tue Aug 31 09:20:02 2021
Response via : Multiple Level Calibration

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

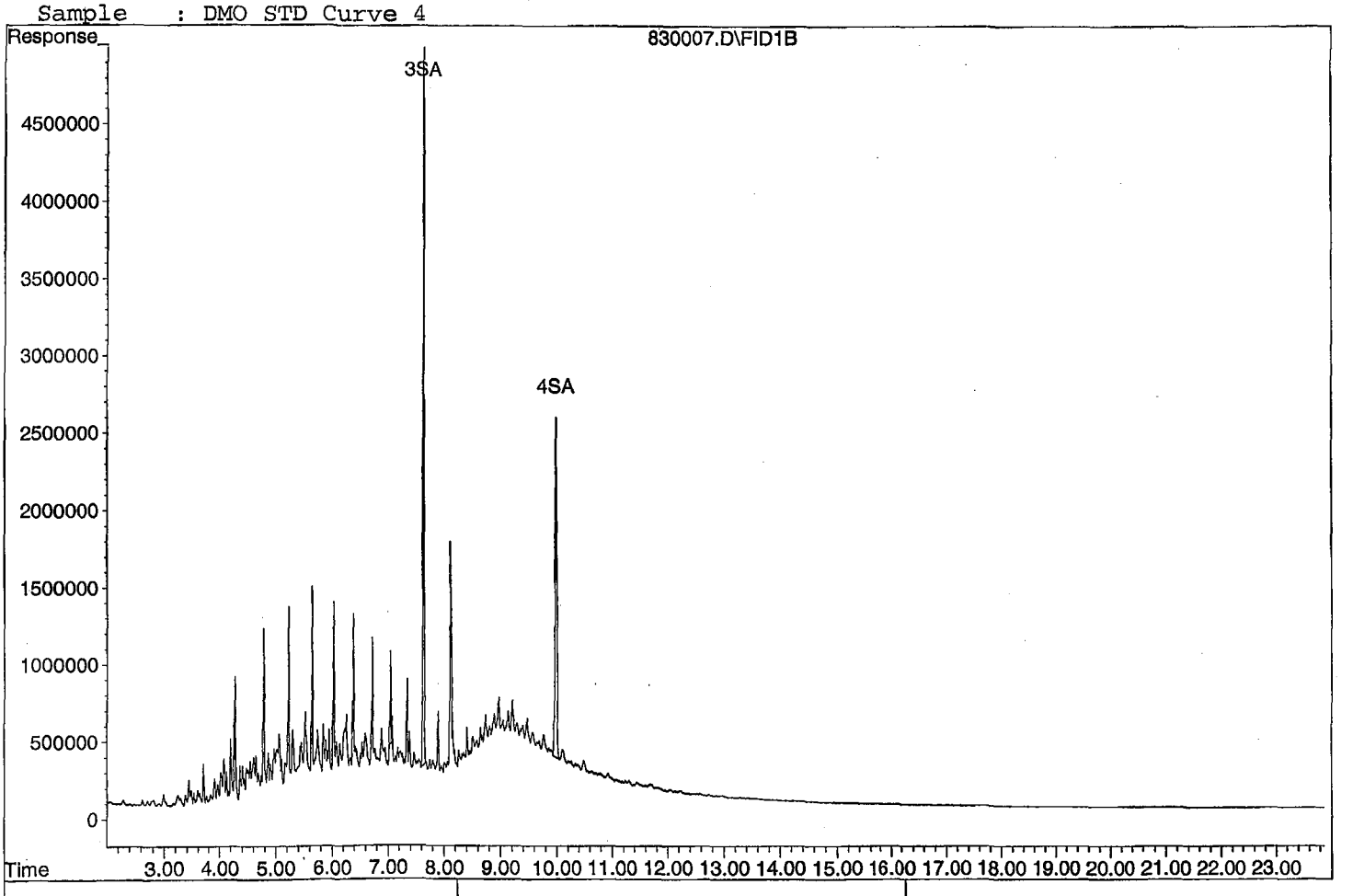
Method : G:\APOLLO\DATA\210830\DOC0830.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Tue Aug 31 09:20:02 2021
Response via : Multiple Level Calibration

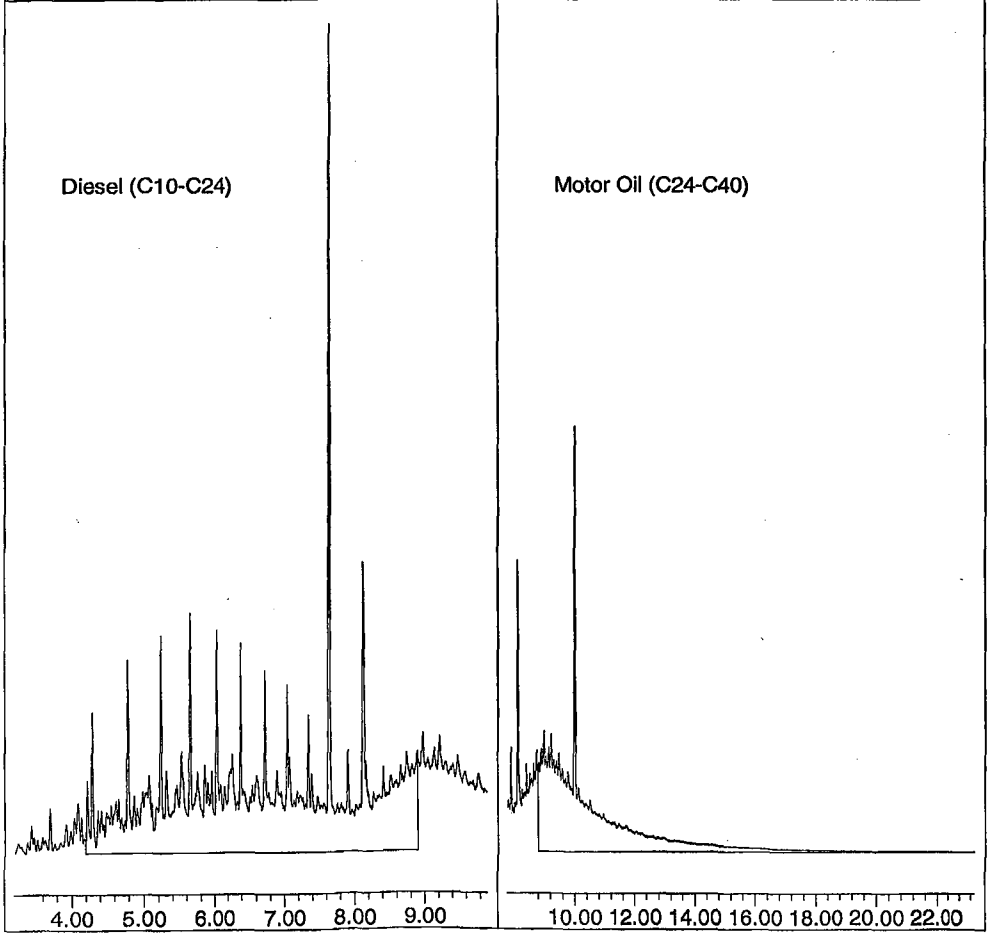
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

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

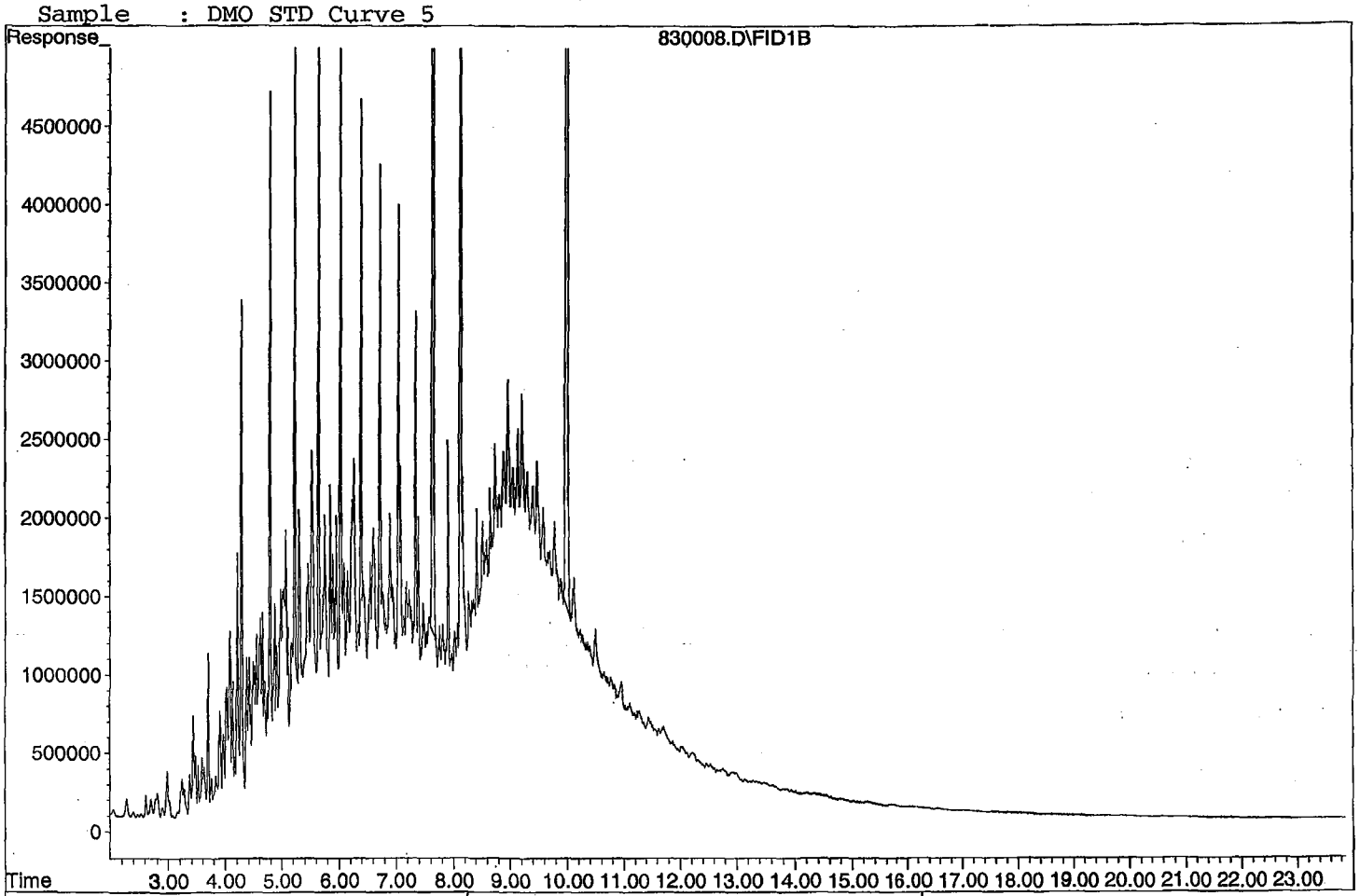
Method : G:\APOLLO\DATA\210830\DOC0830.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Tue Aug 31 09:20:02 2021
Response via : Multiple Level Calibration

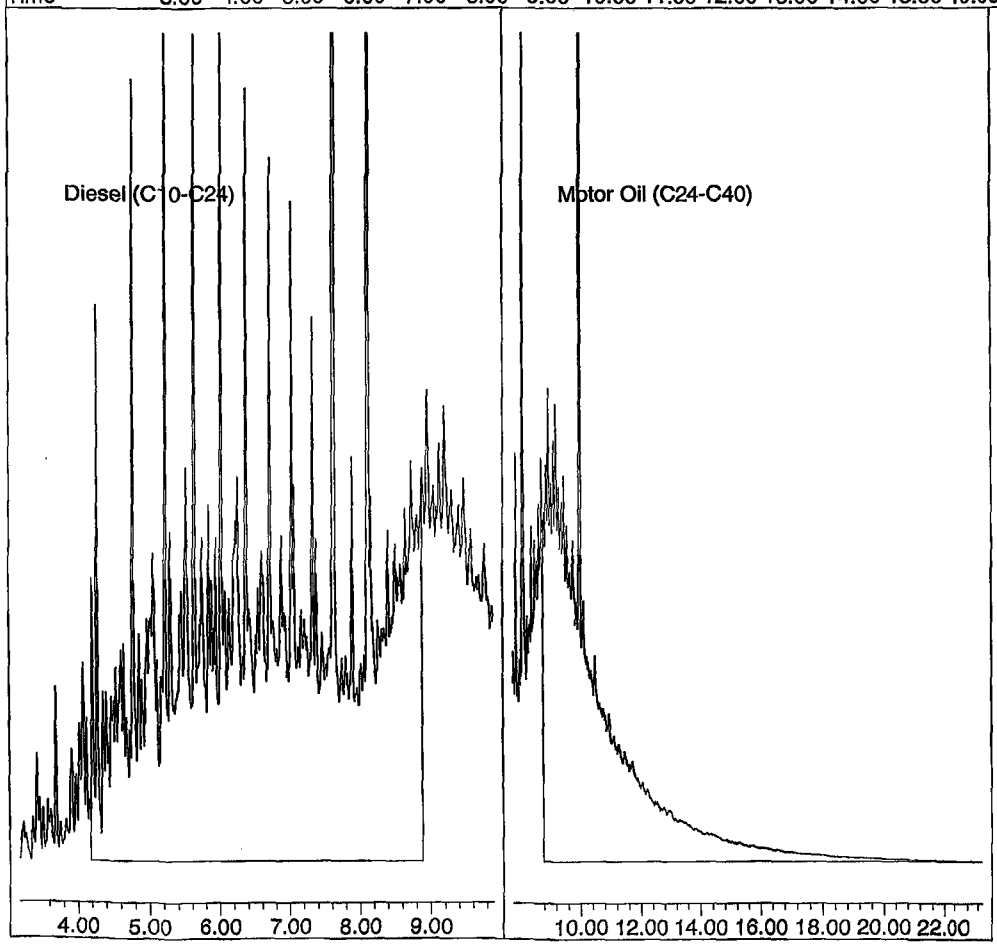
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

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

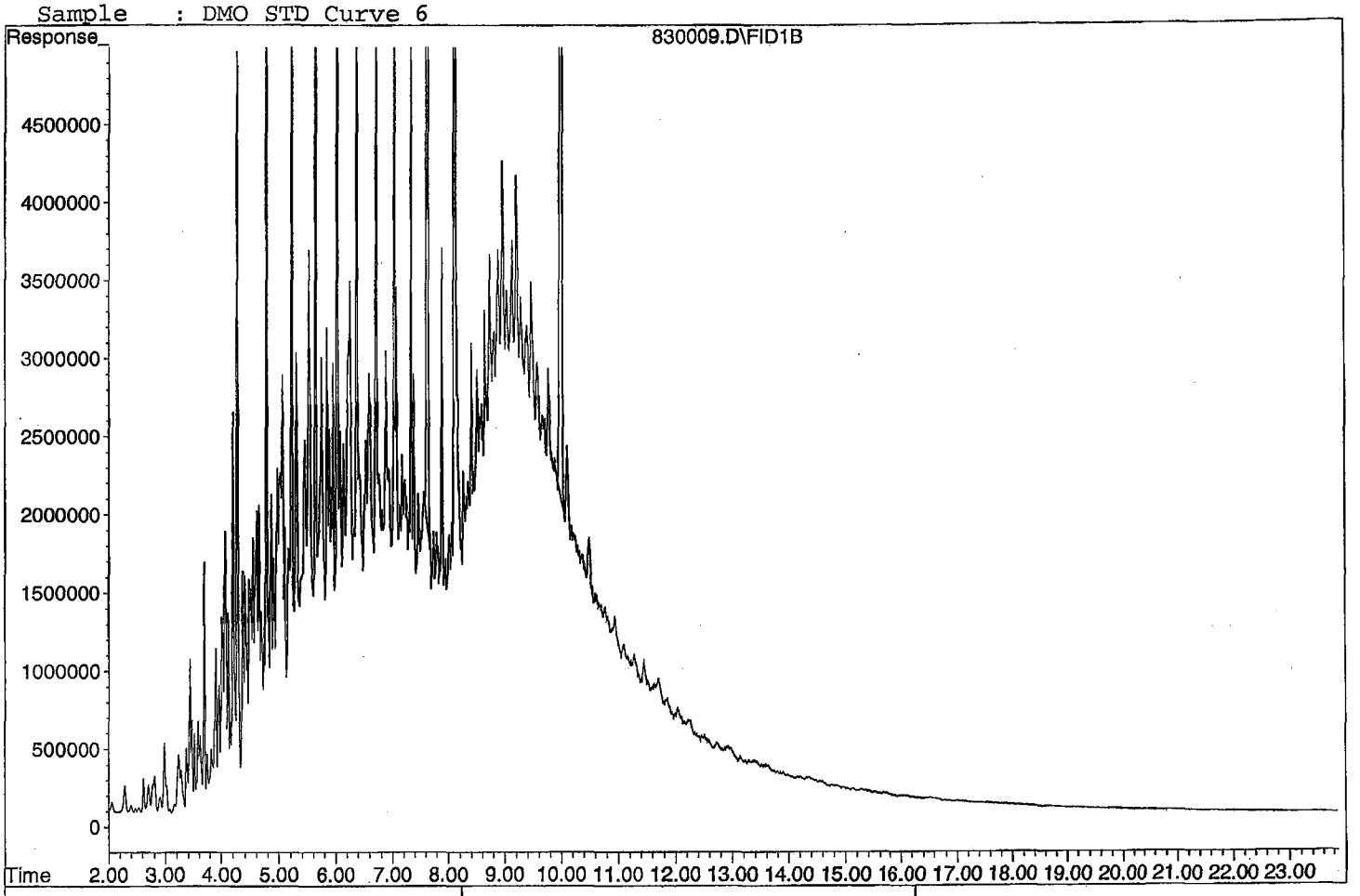
Method : G:\APOLLO\DATA\210830\DOC0830.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Tue Aug 31 09:20:02 2021
Response via : Multiple Level Calibration

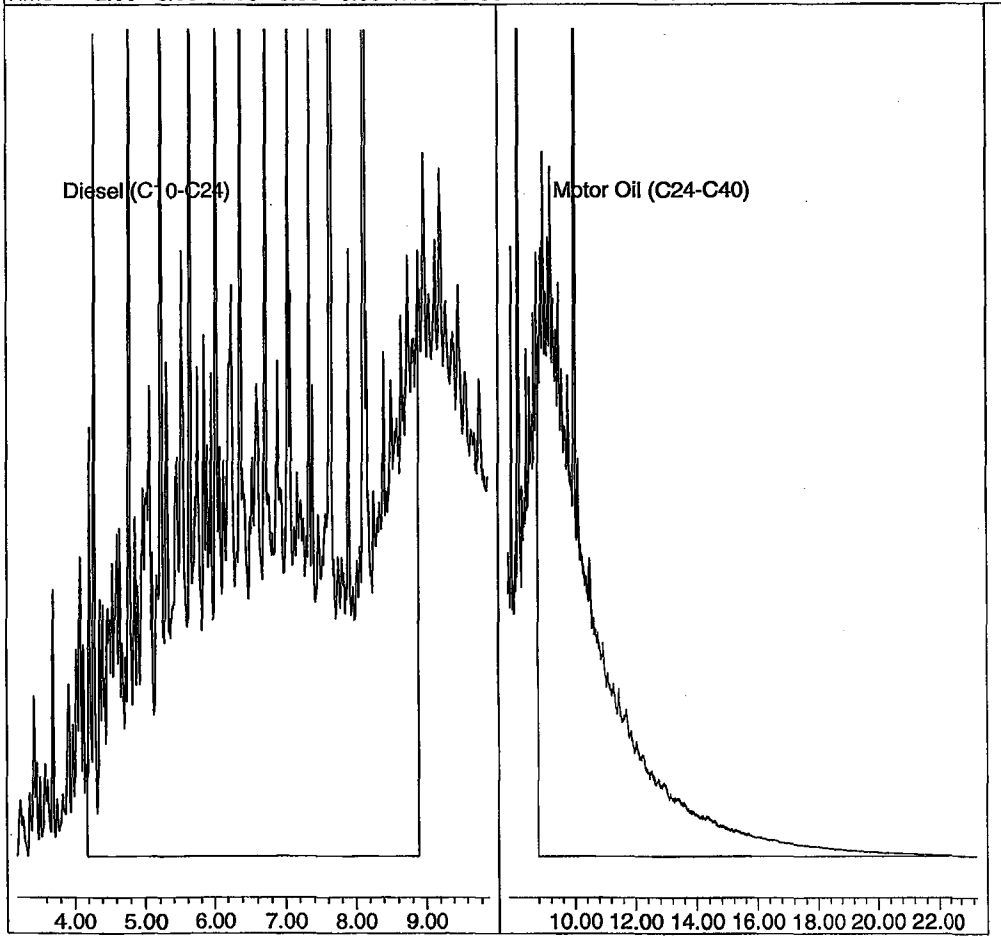
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

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

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

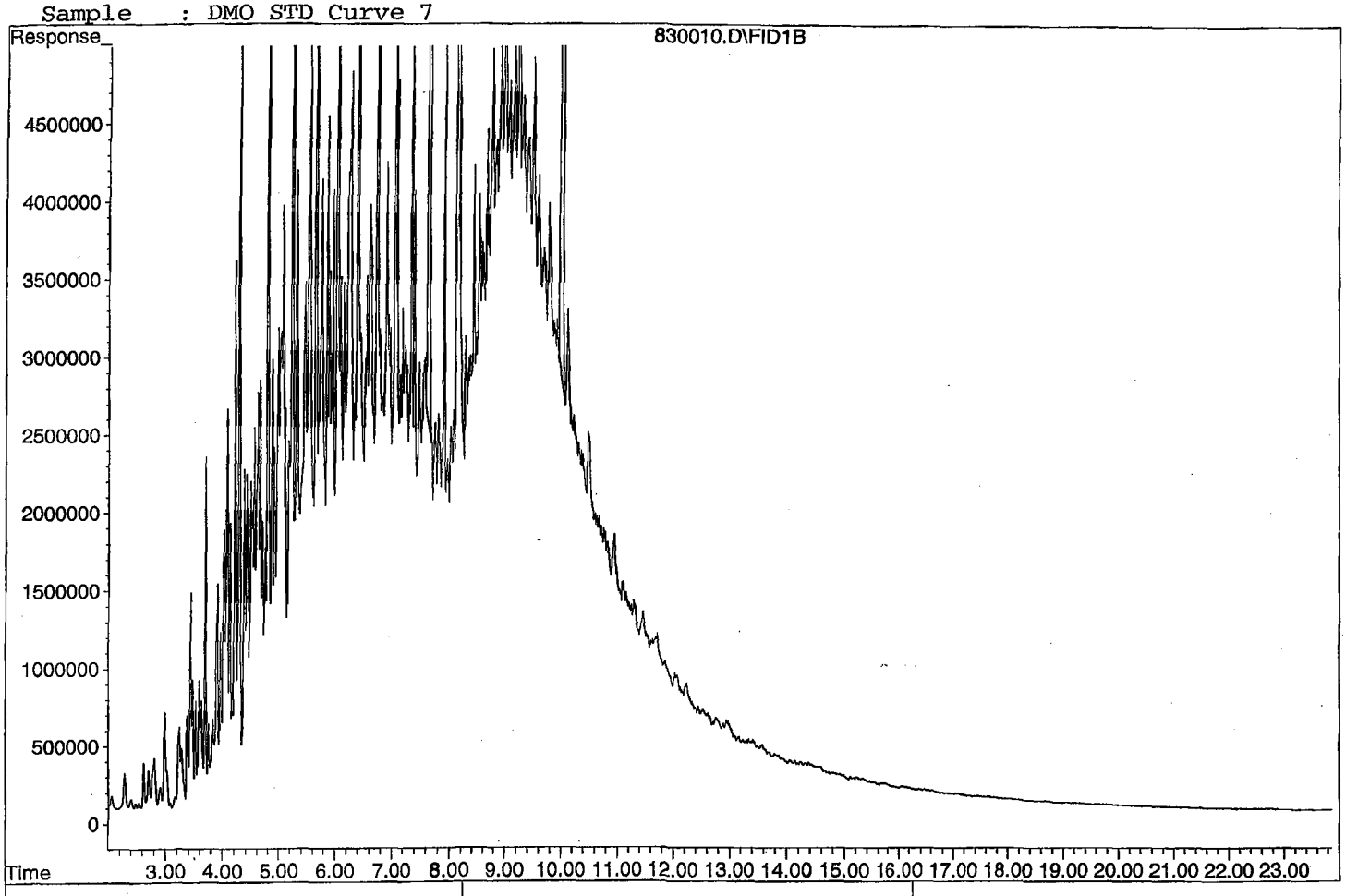
Method : G:\APOLLO\DATA\210830\DOC0830.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Tue Aug 31 09:20:02 2021
Response via : Multiple Level Calibration

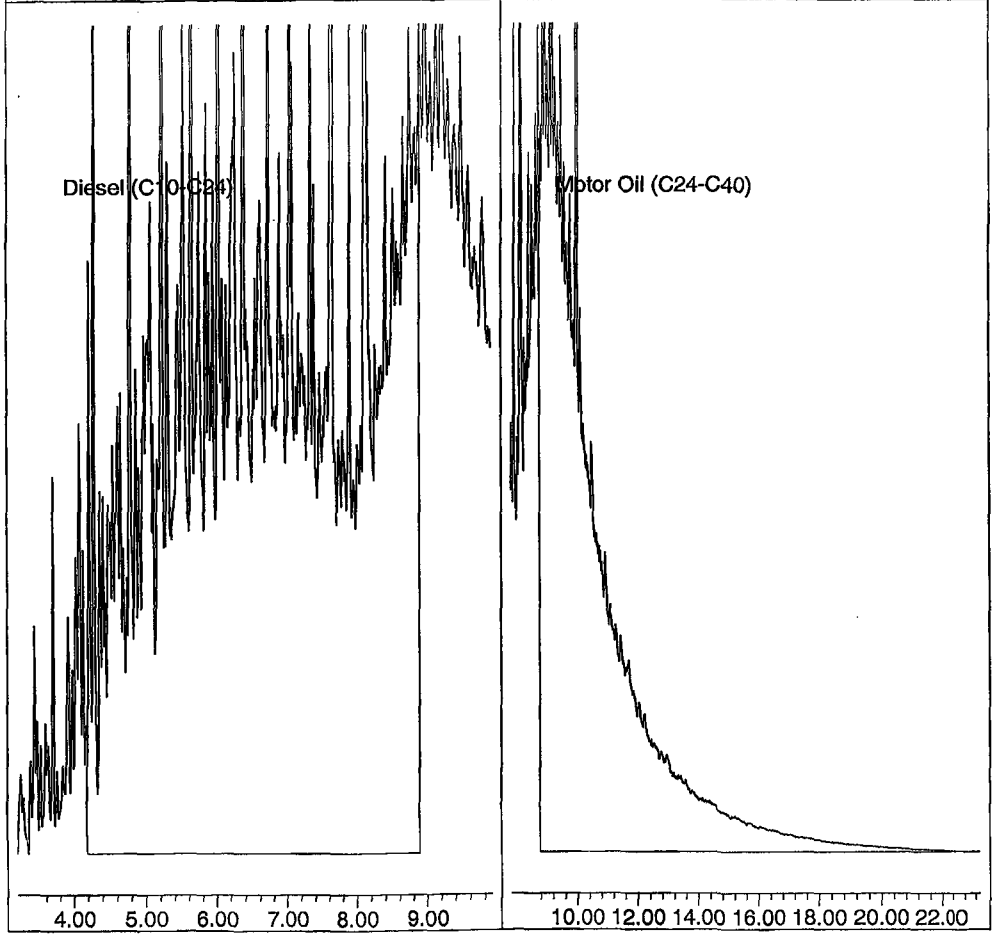
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

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





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
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		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

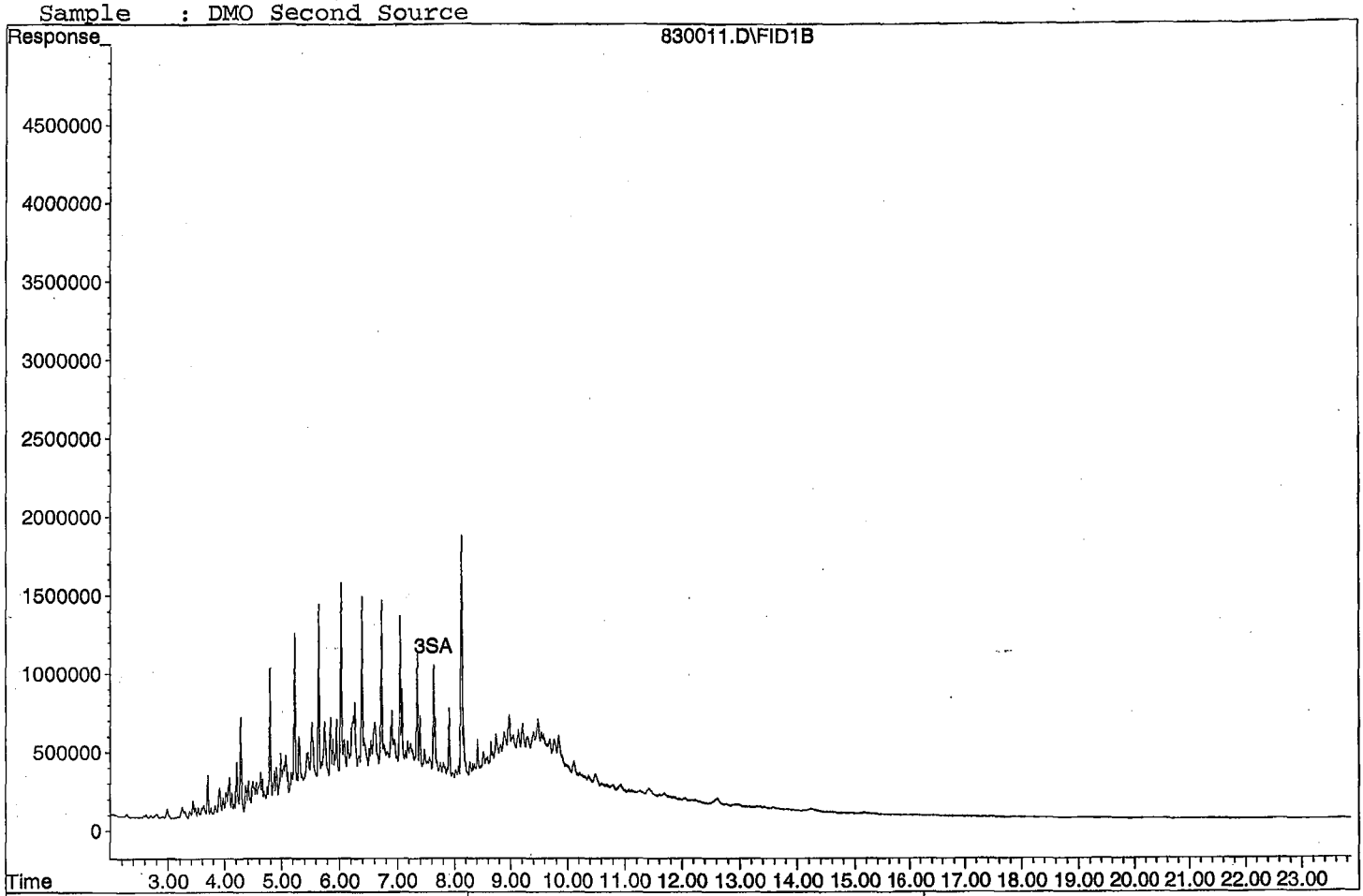
Method : G:\APOLLO\DATA\210830\DOC0830.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Tue Aug 31 09:20:02 2021
Response via : Multiple Level Calibration

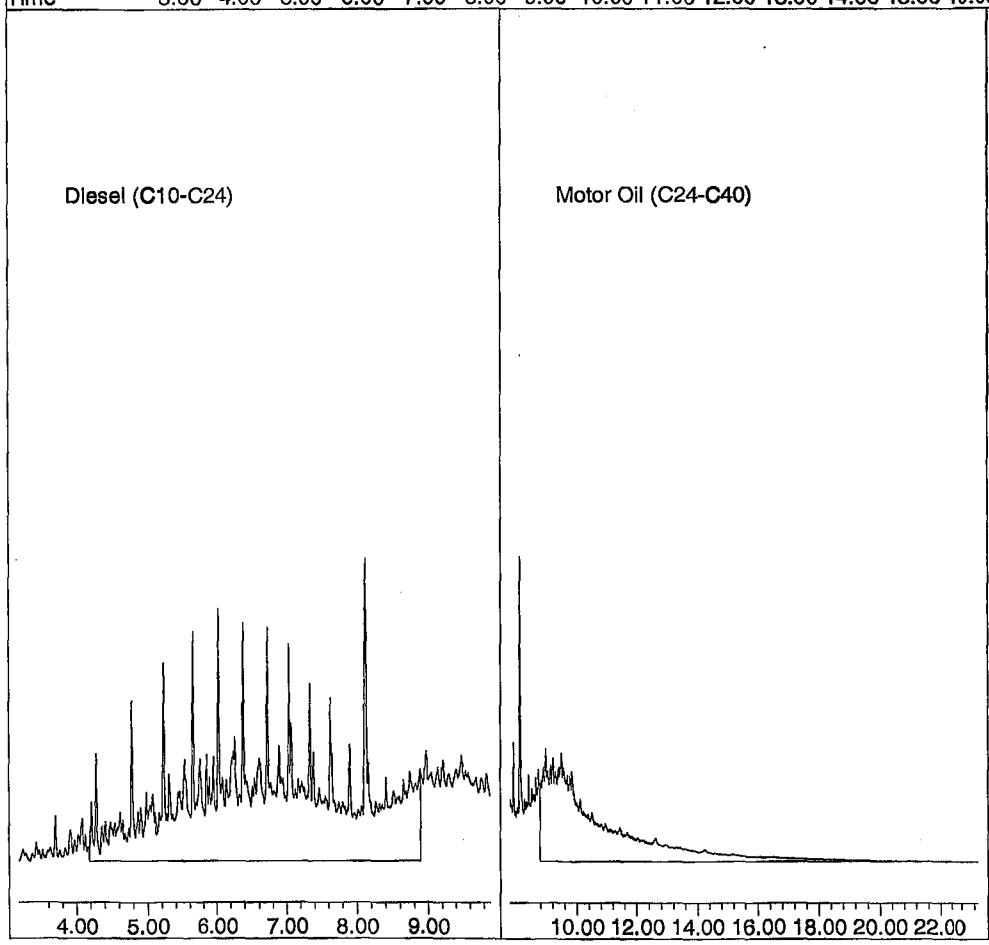
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

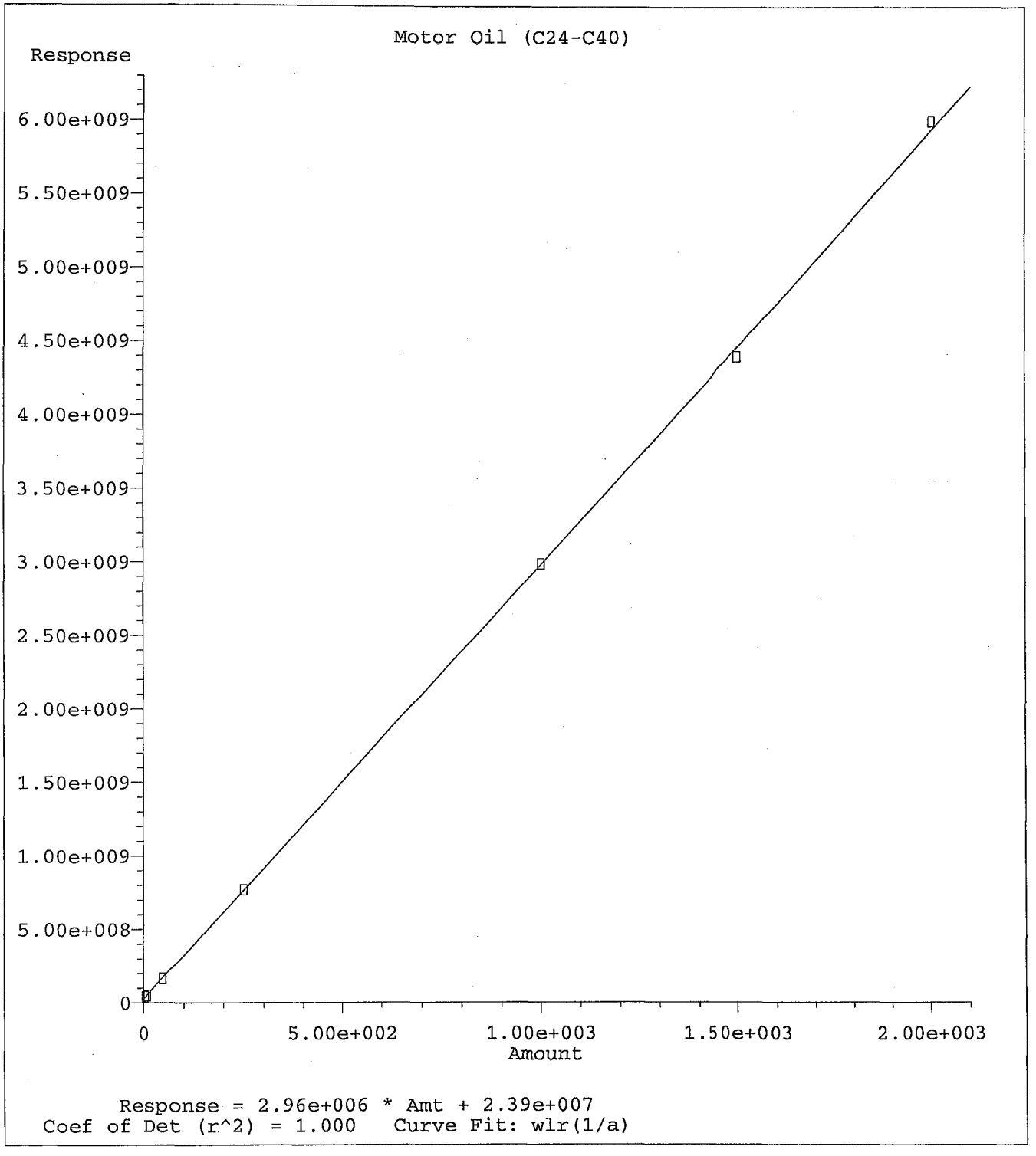
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.62	4475122	0.864 ppb
Surrogate Spike 30.000	Recovery =		2.88%
4) SA Octacosane(S)	9.98	-56148	N.D. ppb
Surrogate Spike 30.000	Recovery =		0.00%
Target Compounds			
1) HATM Diesel (C10-C24)	6.54	1110816428	275.009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

Target Compounds

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

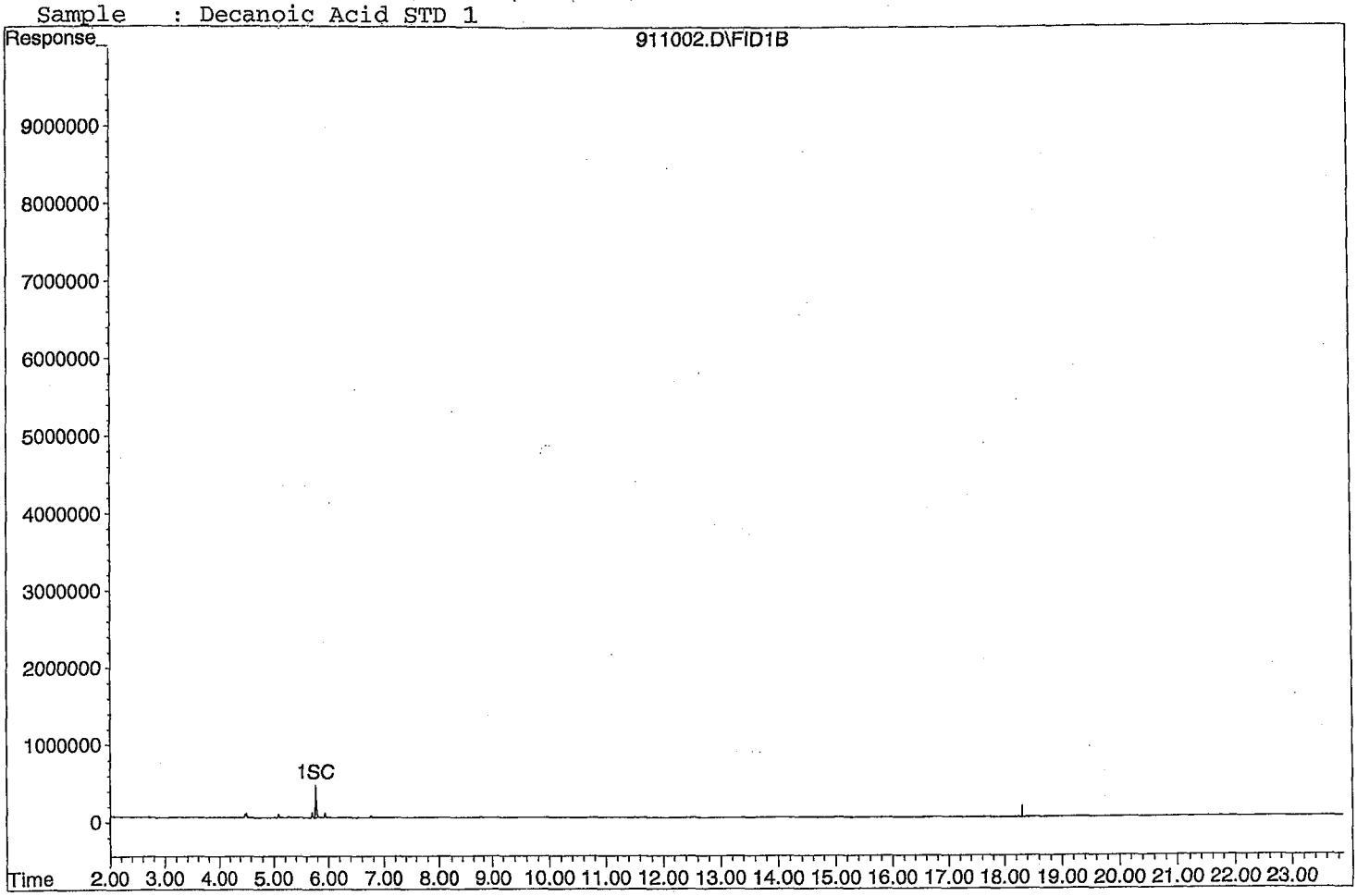
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

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

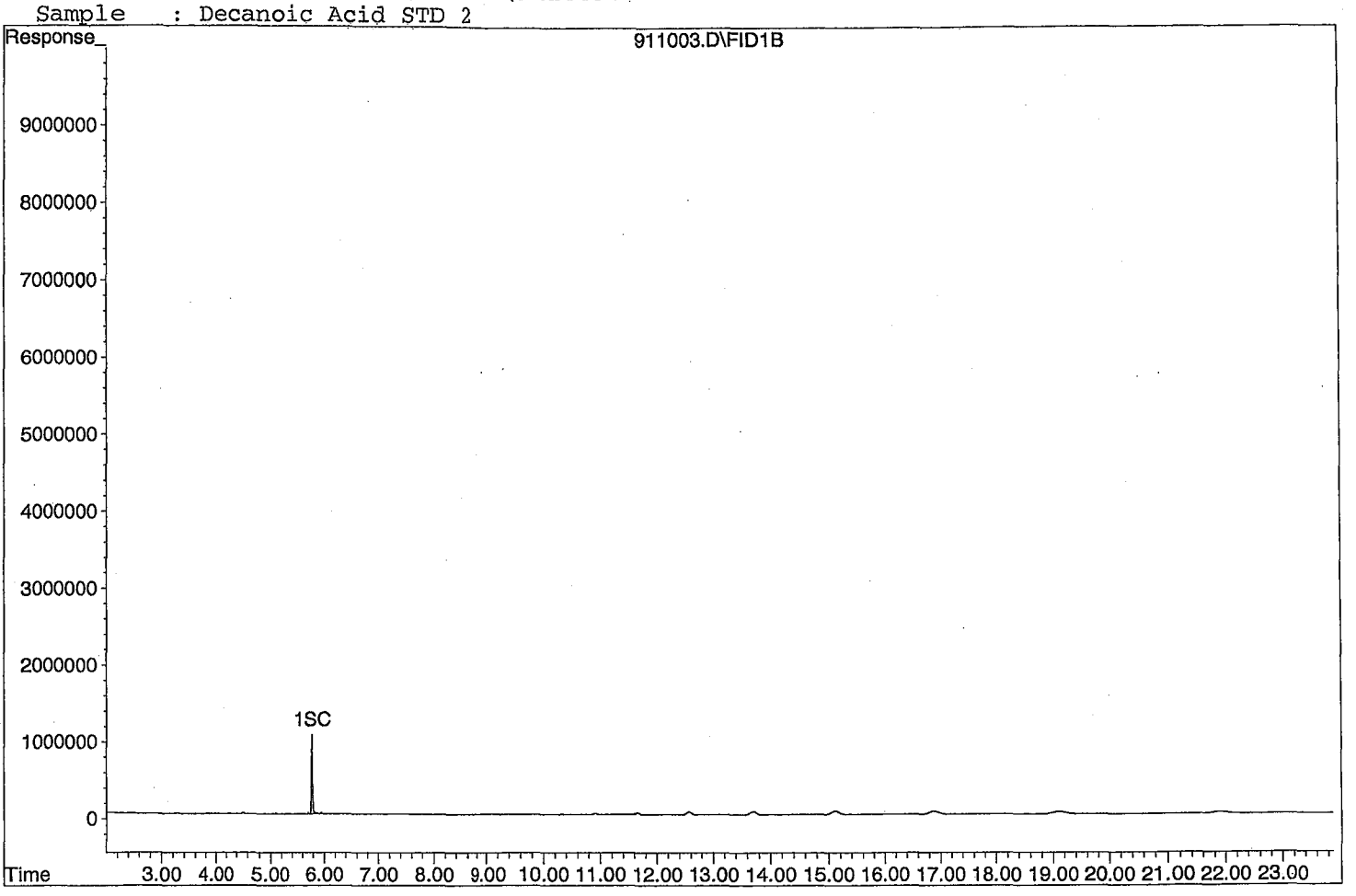
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

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

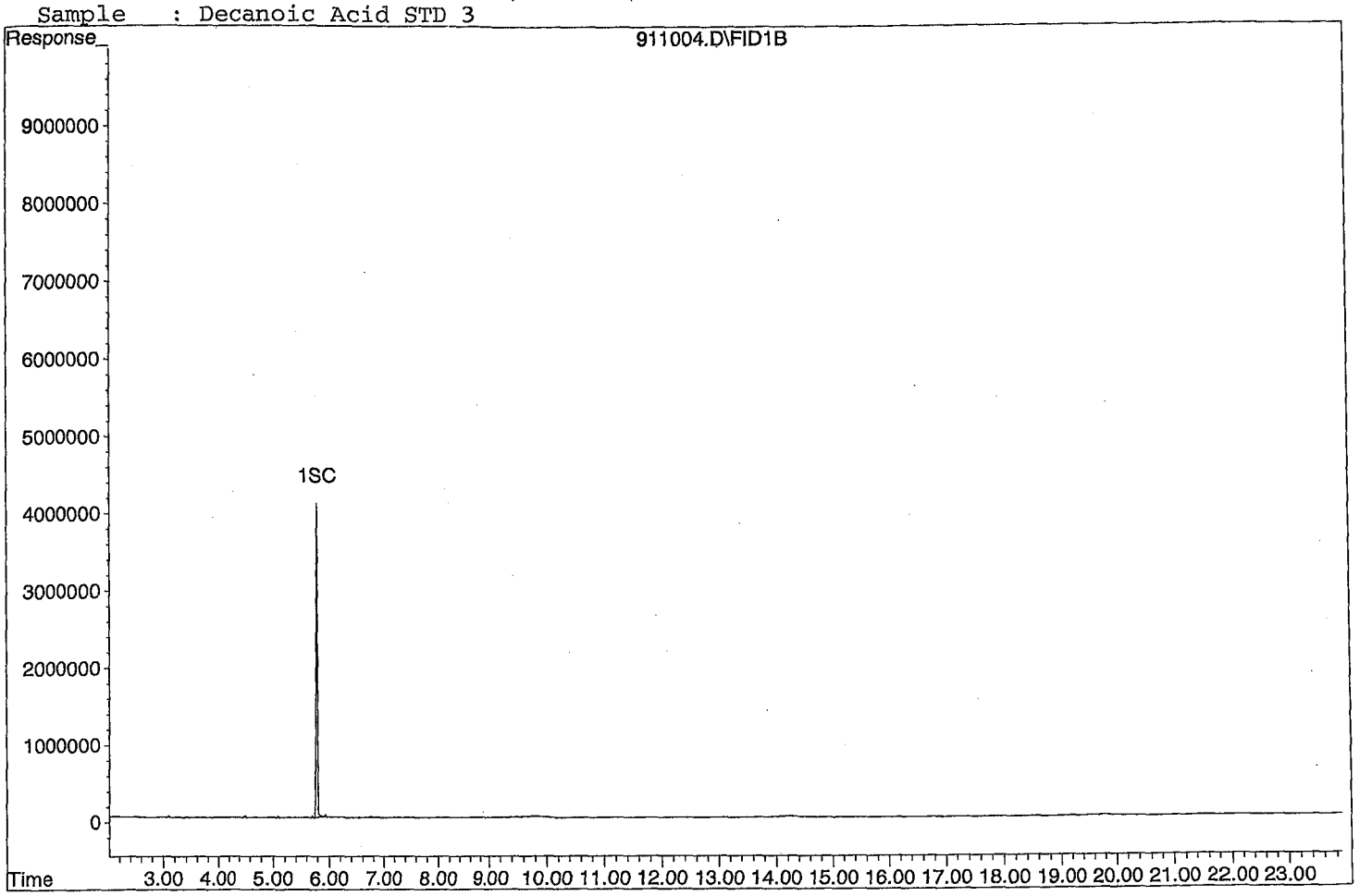
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

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

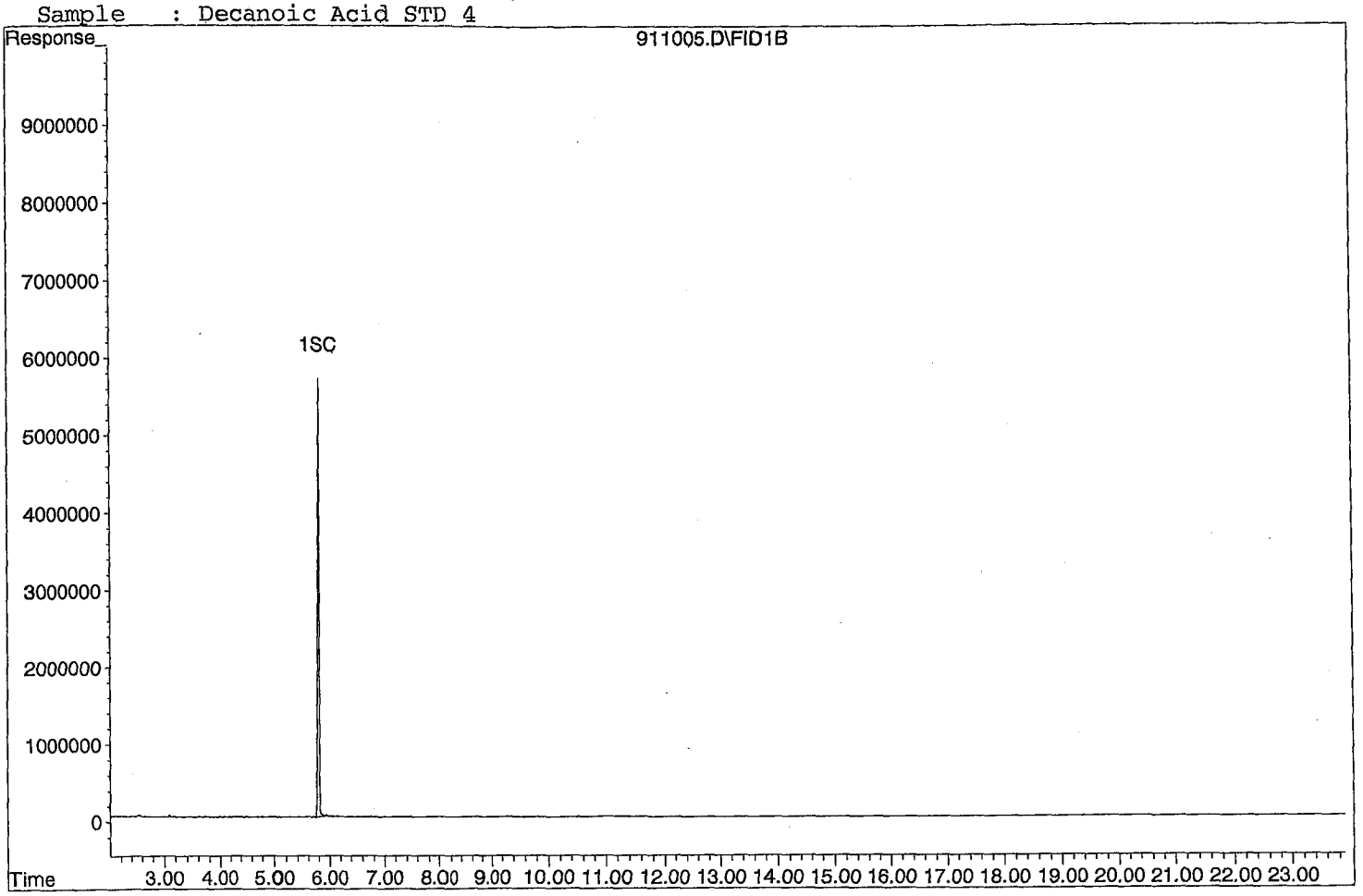
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

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

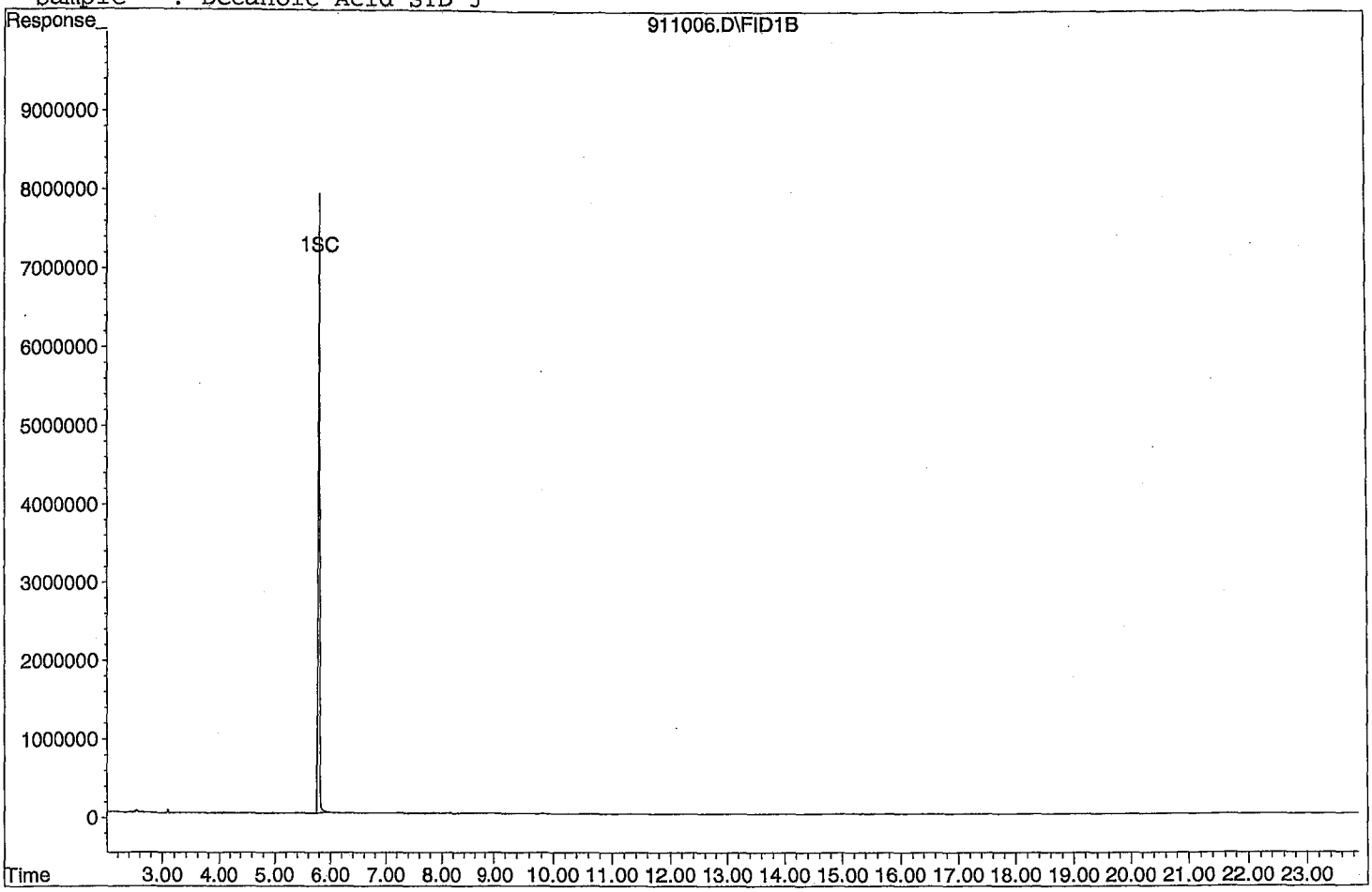
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

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

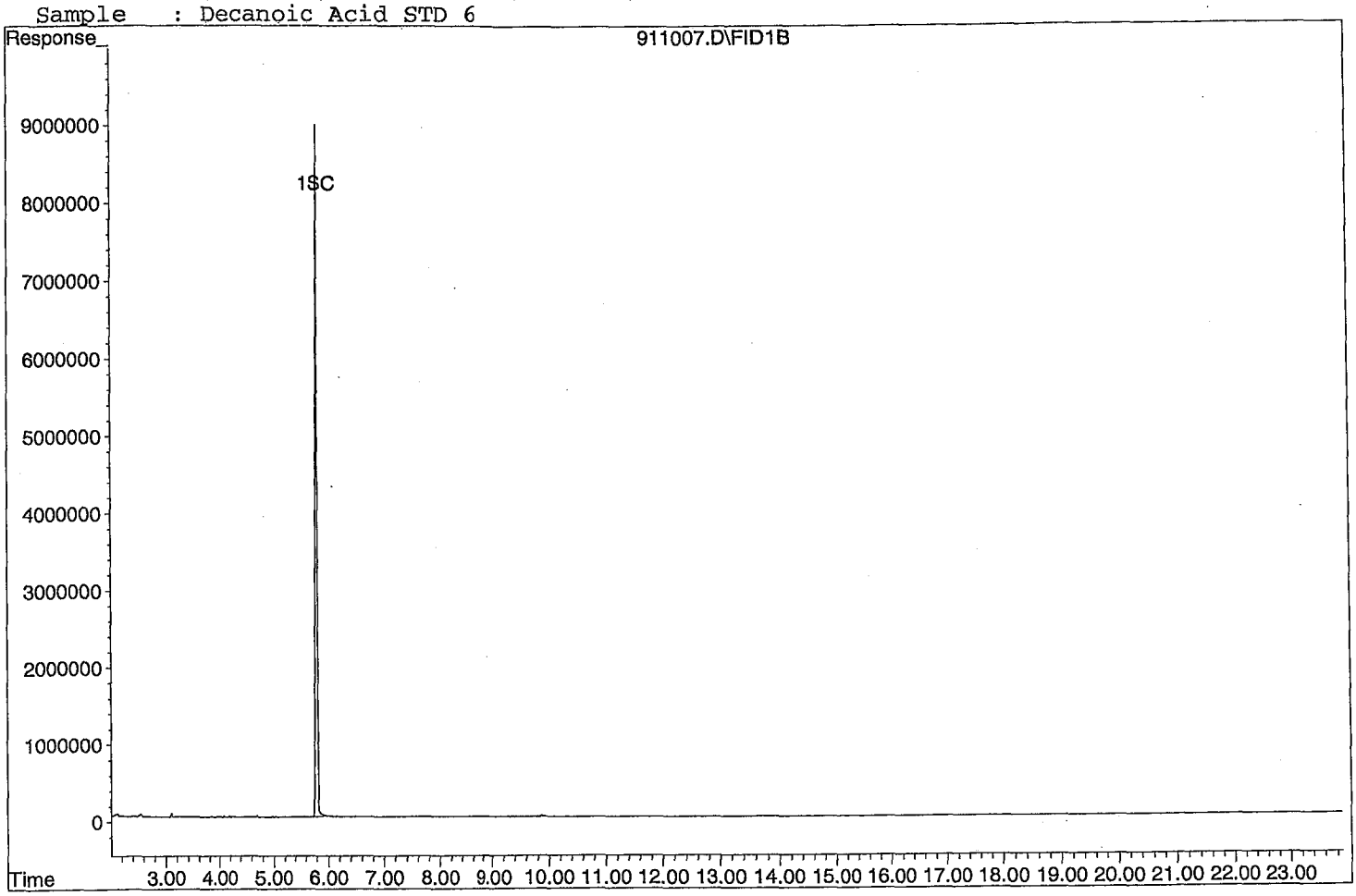
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

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
DOC0831

Form 7
Continuing Calibration

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

SDG No:
Date Analyzed: 10/21/2021
Instrument: Apollo
Initial Cal. Date: 8/30/2021
Data File: 1021017.D

		Compound	MEAN	CCRF	%D		%Drift
1	HATM	Diesel (C10-C24)	2019600	2152930	6.6	HATM	
2	HBTM	Motor Oil (C24-C40)	2035830	1668140	18	HBTML	9.5
3	SA	Ortho-Terphenyl(S)	2590720	2771470	7.0	SA	
4	SA	Octacosane(S)	1926380	2032440	5.5	SA	
5							
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38							
39							
40							
		Average			9.3		

Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\211021\1021017.D Vial: 17
Acq On : 10-21-21 19:43:17 Operator: KA
Sample : Diesel Motor Oil CCV 10/18/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 22 10:49 2021 Quant Results File: DOC0830.RES

Method : G:\APOLLO\DATA\211007\DOC0830.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Fri Oct 22 10:44:58 2021
Response via : Multiple Level Calibration

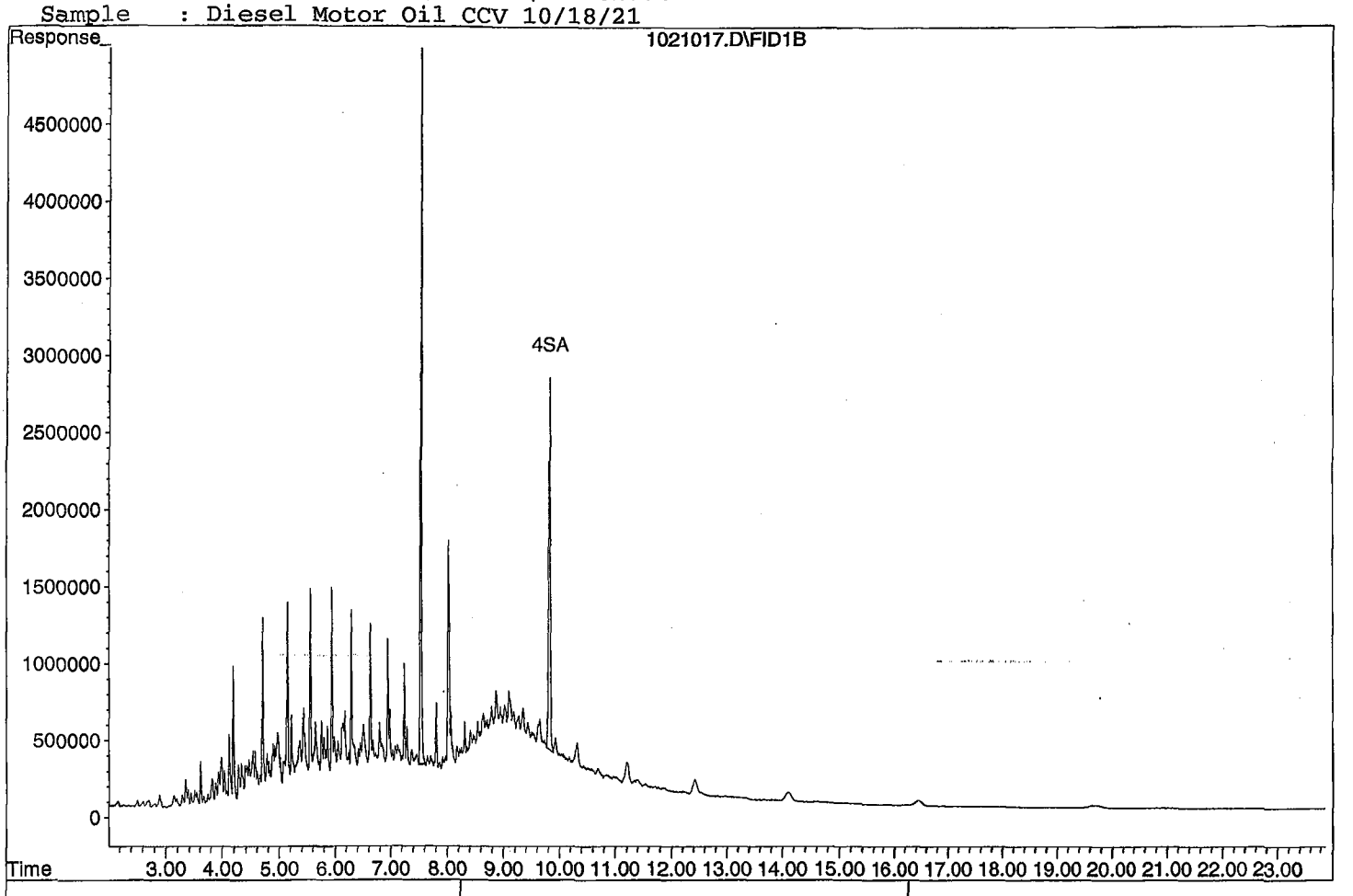
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

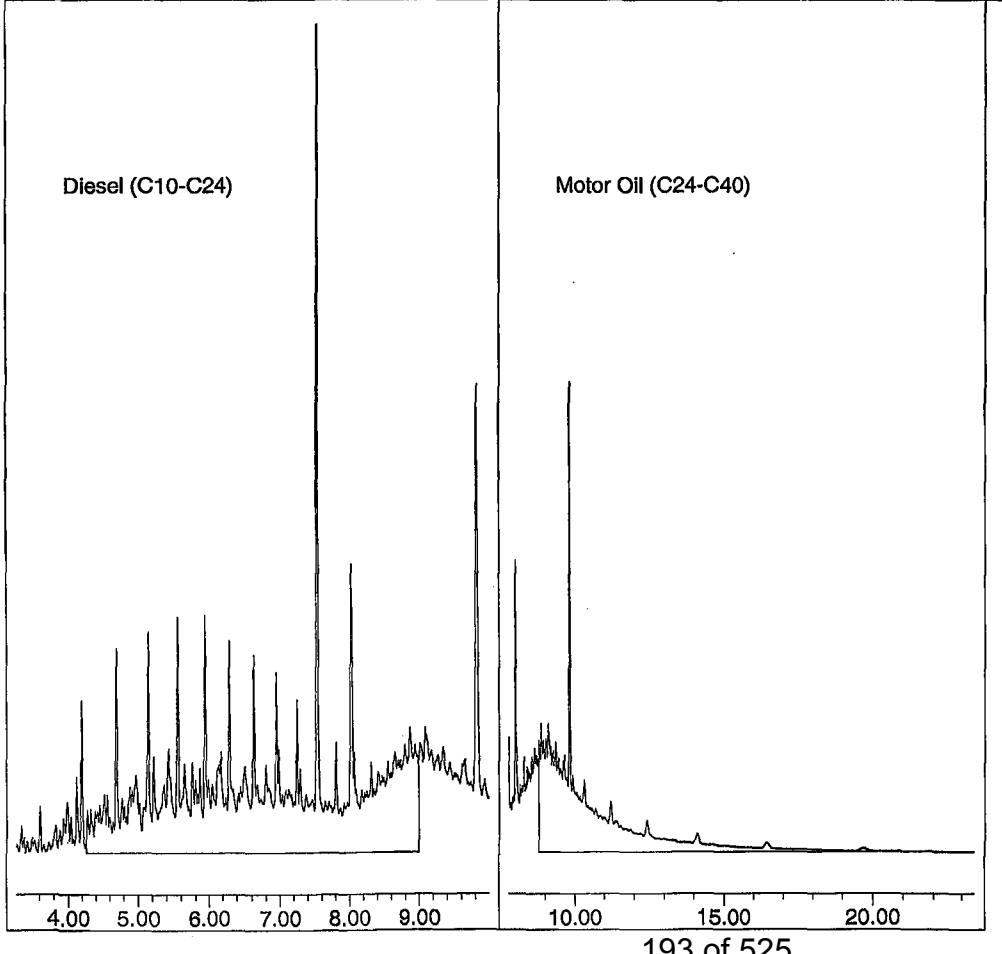
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.52	69286803	13.372 ppb
Surrogate Spike 30.000		Recovery =	44.57%
4) SA Octacosane(S)	9.81	50811028	13.188 ppb
Surrogate Spike 30.000		Recovery =	43.96%
Target Compounds			
1) HATM Diesel (C10-C24)	6.63	1076465244	266.505 ppb
2) HBTM Motor Oil (C24-C40)	15.62	834070464	273.845 ppb

Target Compounds

(f)=RT Delta > 1/2 Window (m)=manual int.
1021017.D DOC0830.M Mon Oct 25 09:41:45 2021 Page 1

Data File: G:\APOLLO\DATA\211021\1021017.D
Sample : Diesel Motor Oil CCV 10/18/21





TPH Extractables
DEC0911

Form 7
Continuing Calibration

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

SDG No:
Date Analyzed: 10/21/2021
Instrument: Apollo
Initial Cal. Date: 9/11/2021
Data File: 1021018.D

		Compound	MEAN	CCRF	%D		%Drift
1	SC	Decanoic Acid(S)	1283070	1298460	1.2	SC	
2							
3							
4							
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37							
38							
39							
40							
		Average			1.2		

Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\211021\1021018.D Vial: 18
Acq On : 10-21-21 20:11:36 Operator: KA
Sample : Decanoic Acid CCV 10/08/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 22 10:50 2021 Quant Results File: DEC0911.RES

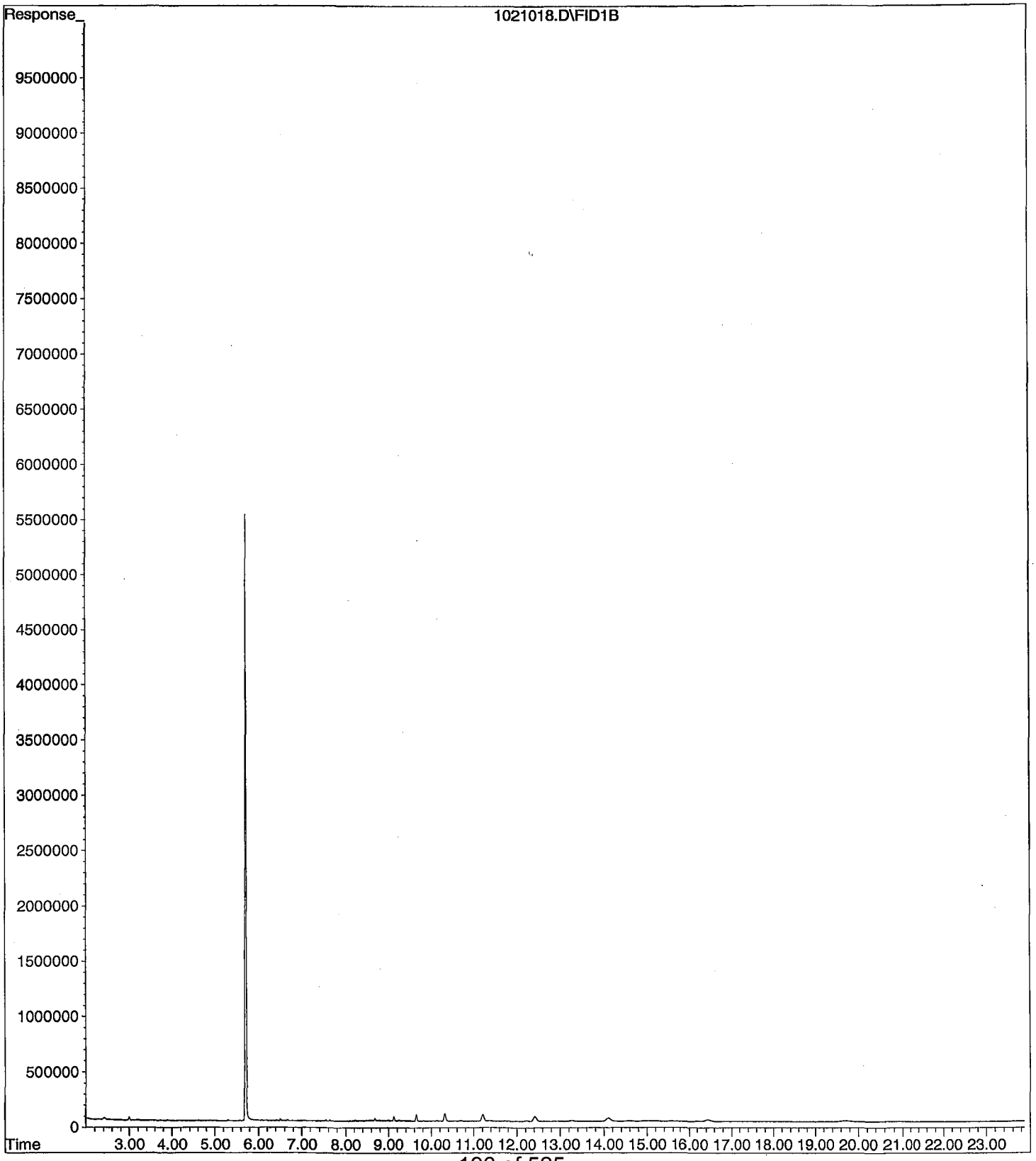
Method : G:\APOLLO\DATA\211007\DEC0911.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Mon Sep 13 09:30:16 2021
Response via : Multiple Level Calibration

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

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) SC Decanoic Acid(S)	5.72f	93489361	36.432 ppb
Surrogate Spike 24.000	Recovery =		151.80%
Target Compounds			
Target Compounds			

(f)=RT Delta > 1/2 Window (m)=manual int.
1021018.D DEC0911.M Mon Oct 25 09:42:51 2021 Page 1

File : G:\APOLLO\DATA\211021\1021018.D
Operator : KA
Acquired : 10-21-21 20:11:36 using AcqMethod TPHSN.M
Instrument : Apollo
Sample Name: Decanoic Acid CCV 10/08/21
Misc Info : water
Vial Number: 18



TPH Extractables
DEC0911

Form 7

Continuing Calibration

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

SDG No:
Date Analyzed: 10/22/2021
Instrument: Apollo
Initial Cal. Date: 9/11/2021
Data File: 1021039.D

		Compound	MEAN	CCRF	%D	%Drift	
1	SC	Decanoic Acid(S)	1283070	1362950	6.2	SC	
2							
3							
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39							
40							
		Average			6.2		

Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\211021\1021038.D Vial: 38
Acq On : 10-22-21 5:35:22 Operator: KA
Sample : Diesel Motor Oil CCV 10/18/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 22 10:52 2021 Quant Results File: DOC0830.RES

Method : G:\APOLLO\DATA\211007\DOC0830.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Fri Oct 22 10:44:58 2021
Response via : Multiple Level Calibration

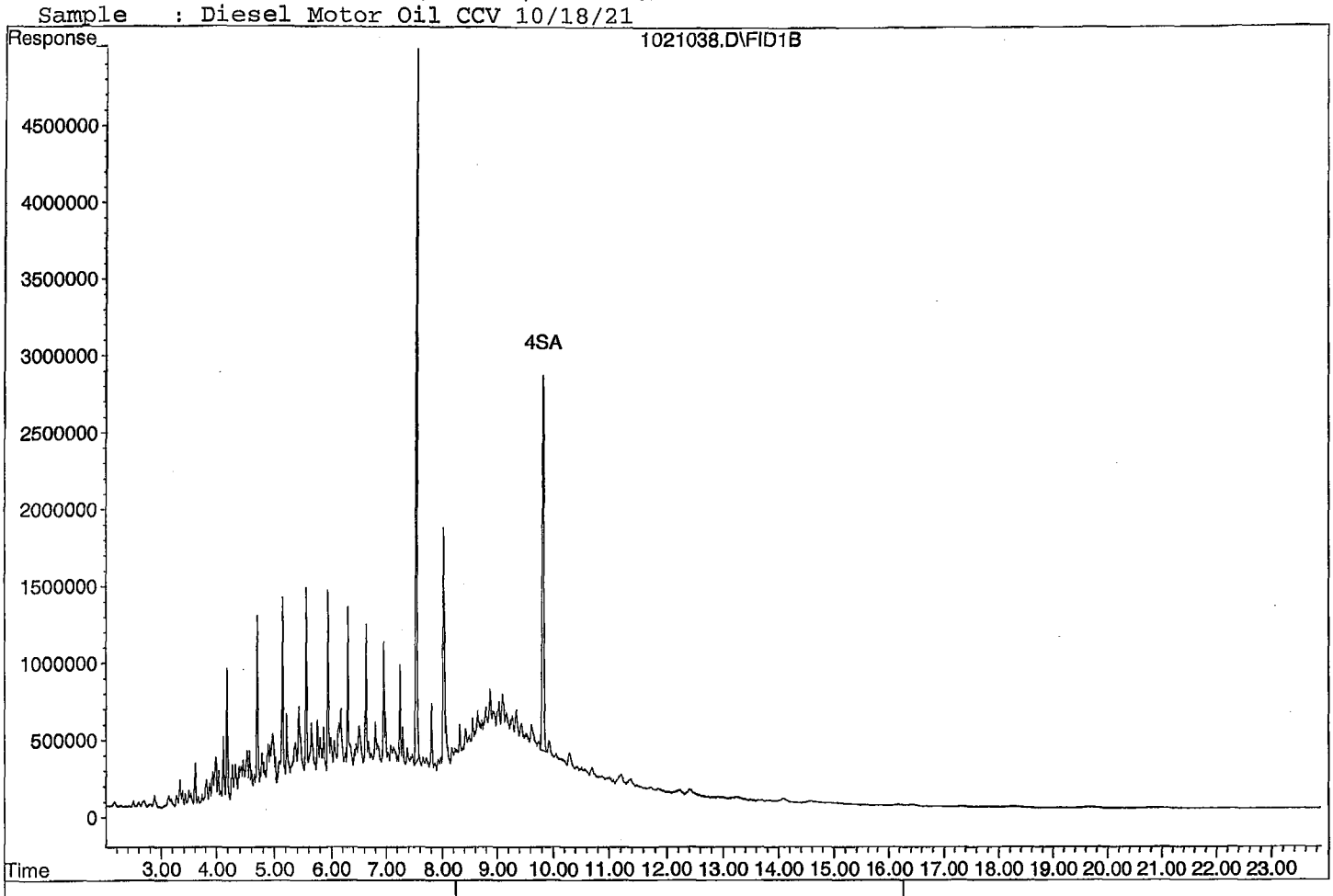
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

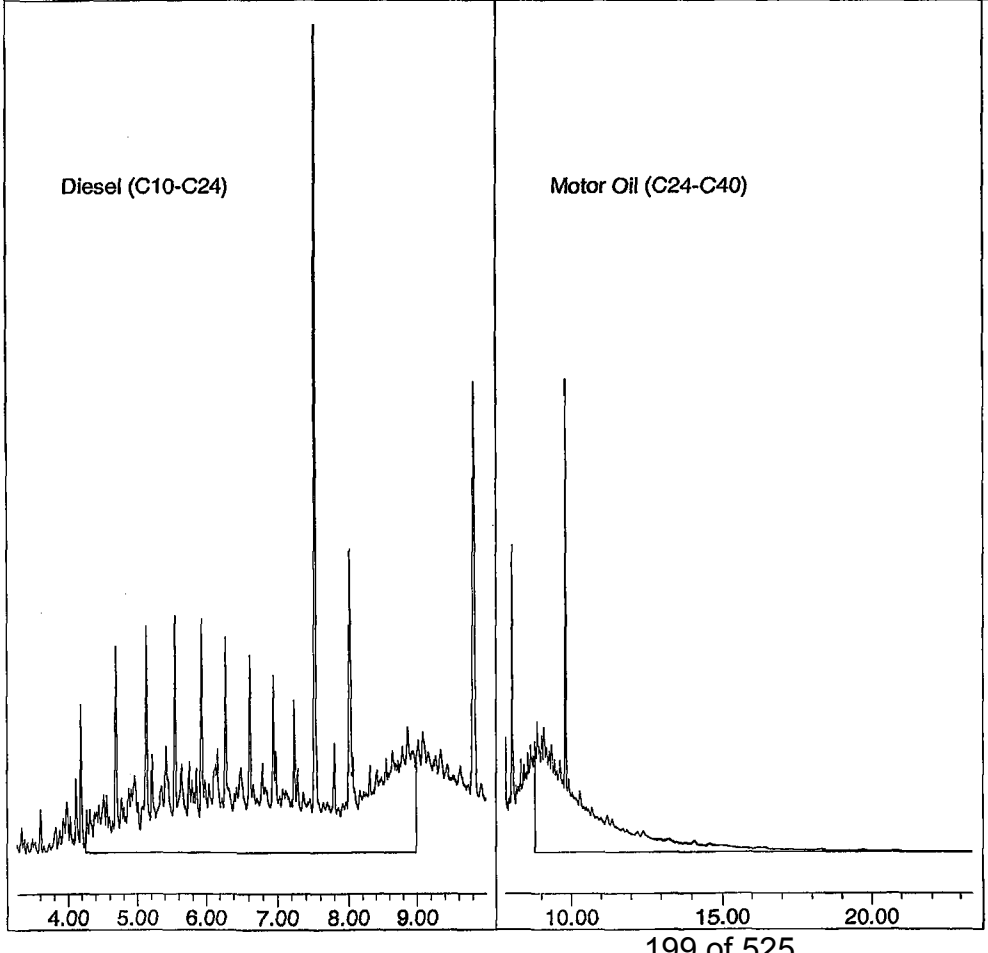
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.52	67596861	13.046 ppb
Surrogate Spike 30.000	Recovery =		43.49%
4) SA Octacosane(S)	9.81	50664067	13.150 ppb
Surrogate Spike 30.000	Recovery =		43.83%
Target Compounds			
1) HATM Diesel (C10-C24)	6.63	1076378938	266.484 ppb
2) HBTM Motor Oil (C24-C40)	15.62	805848049	264.306 ppb
Target Compounds			

(f)=RT Delta > 1/2 Window (m)=manual int.
1021038.D DOC0830.M Mon Oct 25 09:41:49 2021 Page 1

Quantitation Report

Data File: G:\APOLLO\DATA\211021\1021038.D
Sample : Diesel Motor Oil CCV 10/18/21





TPH Extractables
DOC0831

Form 7
Continuing Calibration

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

SDG No:
Date Analyzed: 10/22/2021
Instrument: Apollo
Initial Cal. Date: 8/30/2021
Data File: 1021038.D

		Compound	MEAN	CCRF	%D	%Drift	
1	HATM	Diesel (C10-C24)	2019600	2152760	6.6	HATM	
2	HBTM	Motor Oil (C24-C40)	2035830	1611700	21	HBTML	5.7
3	SA	Ortho-Terphenyl(S)	2590720	2703870	4.4	SA	
4	SA	Octacosane(S)	1926380	2026560	5.2	SA	
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37							
38							
39							
40							
		Average			9.3		

Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\211021\1021039.D Vial: 39
Acq On : 10-22-21 6:03:26 Operator: KA
Sample : Decanoic Acid CCV 10/08/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 22 10:53 2021 Quant Results File: DEC0911.RES

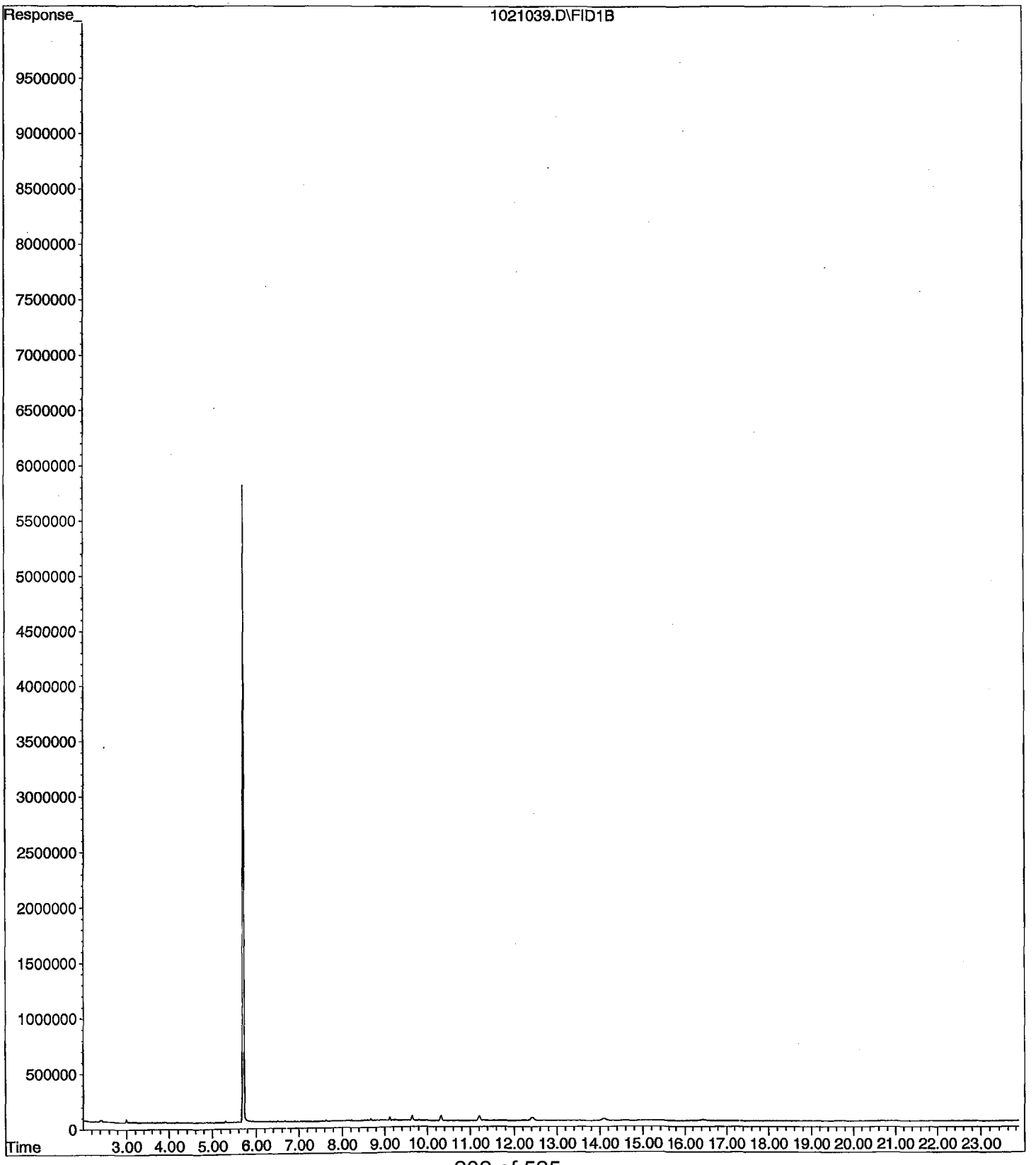
Method : G:\APOLLO\DATA\211007\DEC0911.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Mon Sep 13 09:30:16 2021
Response via : Multiple Level Calibration

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

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) SC Decanoic Acid(S)	5.72f	98132629	38.241	ppb
Surrogate Spike 24.000	Recovery	=	159.34%	
Target Compounds				
Target Compounds				

(f)=RT Delta > 1/2 Window (m)=manual int.
1021039.D DEC0911.M Mon Oct 25 09:42:52 2021 Page 1

File : G:\APOLLO\DATA\211021\1021039.D
Operator : KA
Acquired : 10-22-21 6:03:26 using AcqMethod TPHSN.M
Instrument : Apollo
Sample Name: Decanoic Acid CCV 10/08/21
Misc Info : water
Vial Number: 39



ORGANICS
Raw Data

Quantitation Report (QT Reviewed)

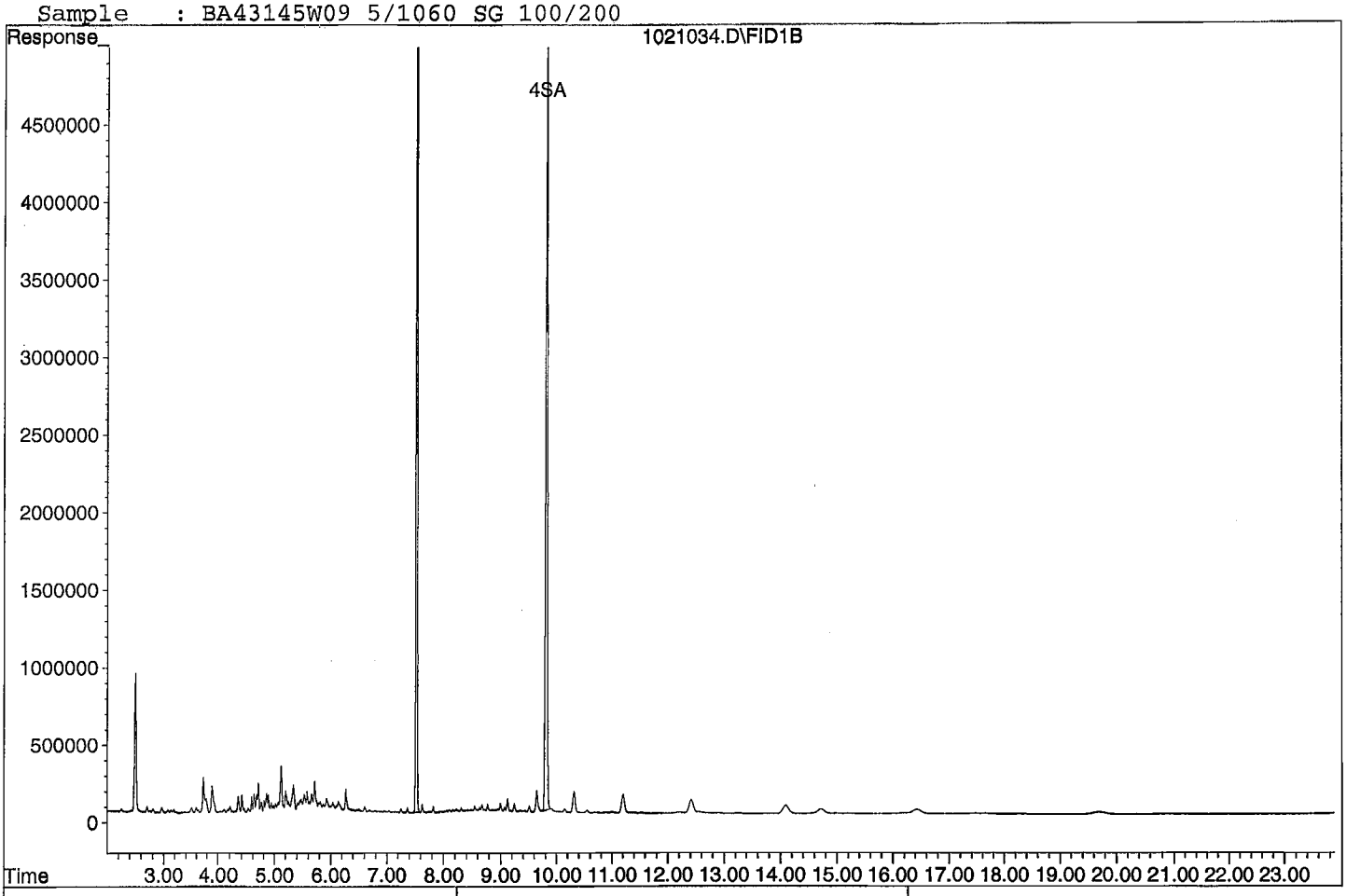
Data File : G:\APOLLO\DATA\211021\1021034.D Vial: 34
Acq On : 10-22-21 3:43:04 Operator: KA
Sample : BA43145W09 5/1060 SG 100/200 Inst : Apollo
Misc : water Multiplr: 4.72
IntFile : events.e
Quant Time: Oct 25 9:20 2021 Quant Results File: DOC0830.RES

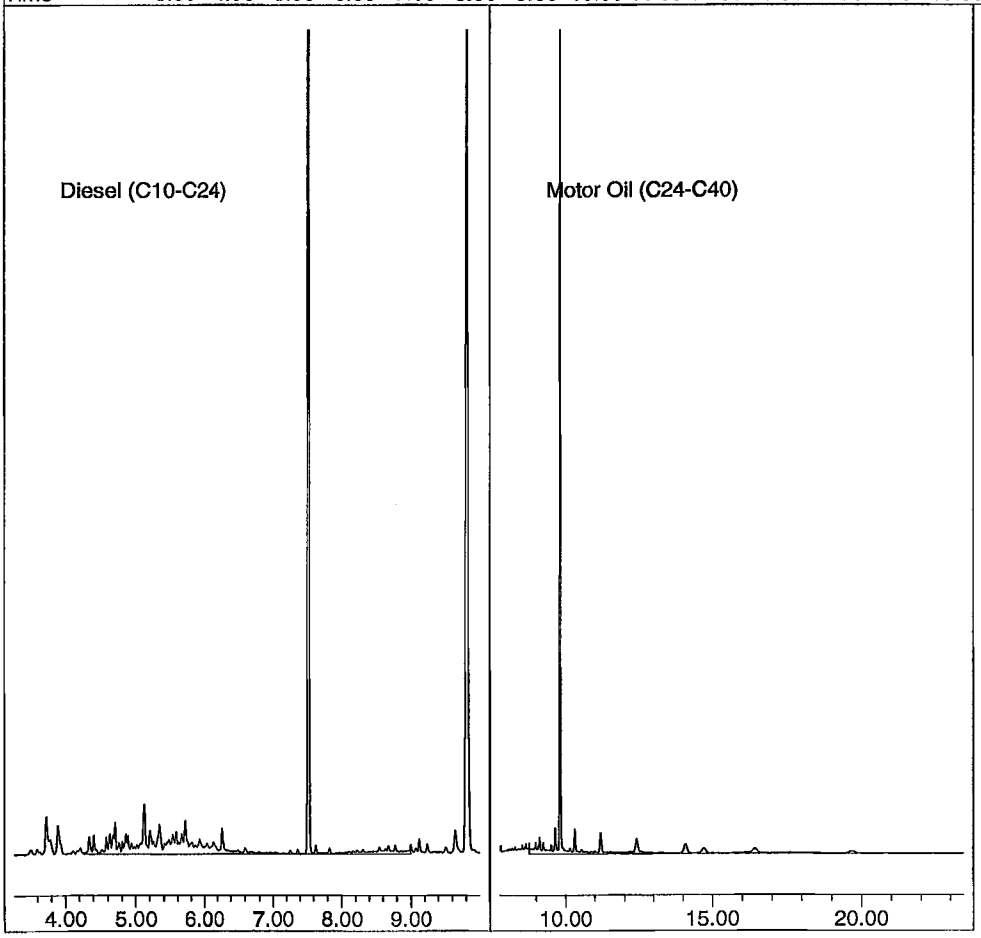
Method : G:\APOLLO\DATA\210911\DOC0830.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Oct 14 18:06:15 2021
Response via : Multiple Level Calibration

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

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.52	119202527	108.517 ppb
Surrogate Spike 141.509		Recovery =	76.69%
4) SA Octacosane(S)	9.81	106965255	130.959 ppb
Surrogate Spike 141.509		Recovery =	92.54%
Target Compounds			
1) HATM Diesel (C10-C24)	6.63	103273795	120.603 ppb
2) HBTM Motor Oil (C24-C40)	15.62	89618695	104.797 ppb
Target Compounds			

Data File: G:\APOLLO\DATA\211021\1021034.D
Sample : BA43145W09 5/1060 SG 100/200





Quantitation Report (QT Reviewed)

Data File : G:\APOLLO\DATA\211021\1021035.D Vial: 35
Acq On : 10-22-21 4:11:09 Operator: KA
Sample : BA43147W10 5/1030 SG 100/200 Inst : Apollo
Misc : water Multiplr: 4.85
IntFile : events.e
Quant Time: Oct 25 9:20 2021 Quant Results File: DOC0830.RES

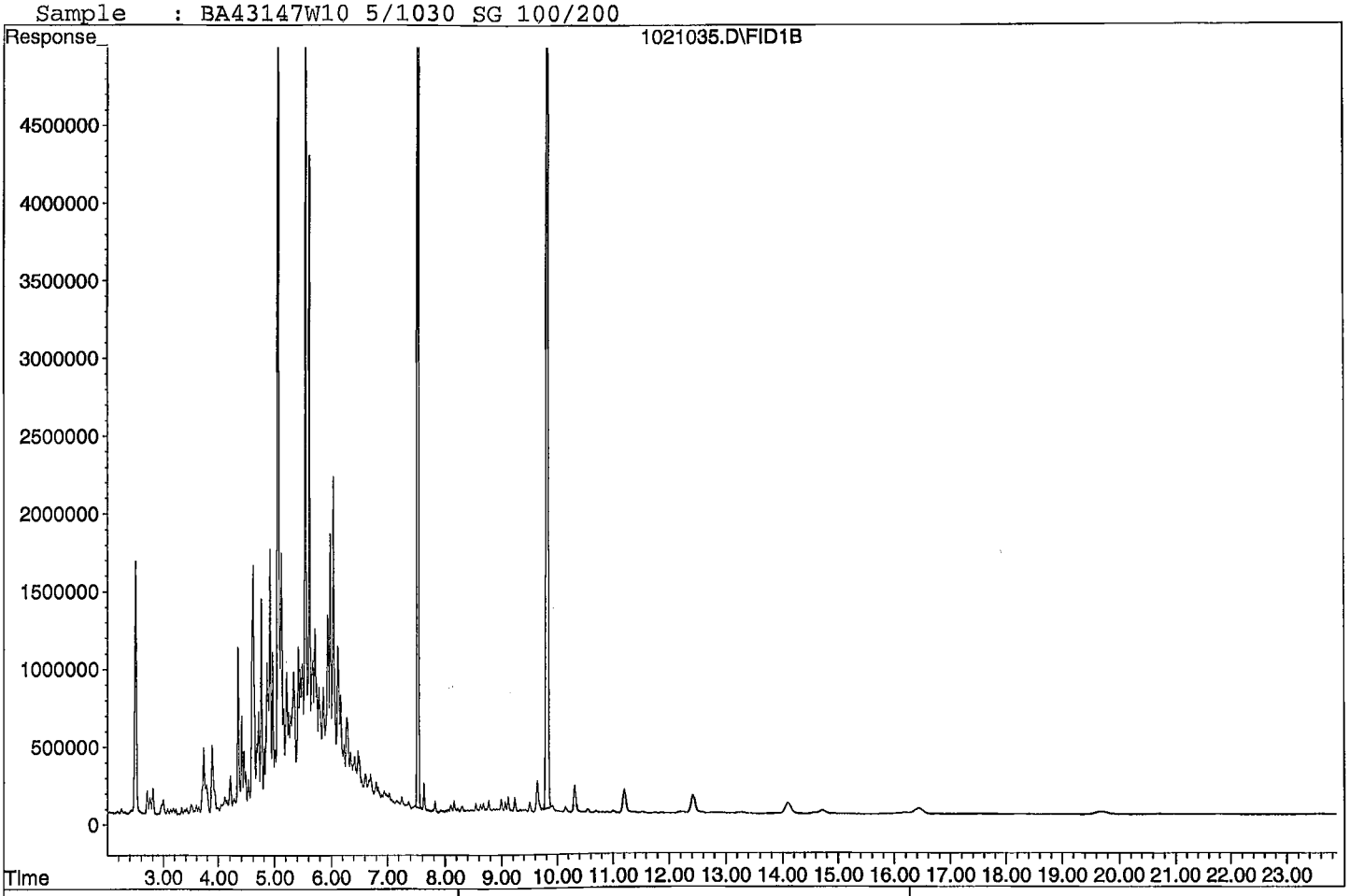
Method : G:\APOLLO\DATA\210911\DOC0830.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Oct 14 18:06:15 2021
Response via : Multiple Level Calibration

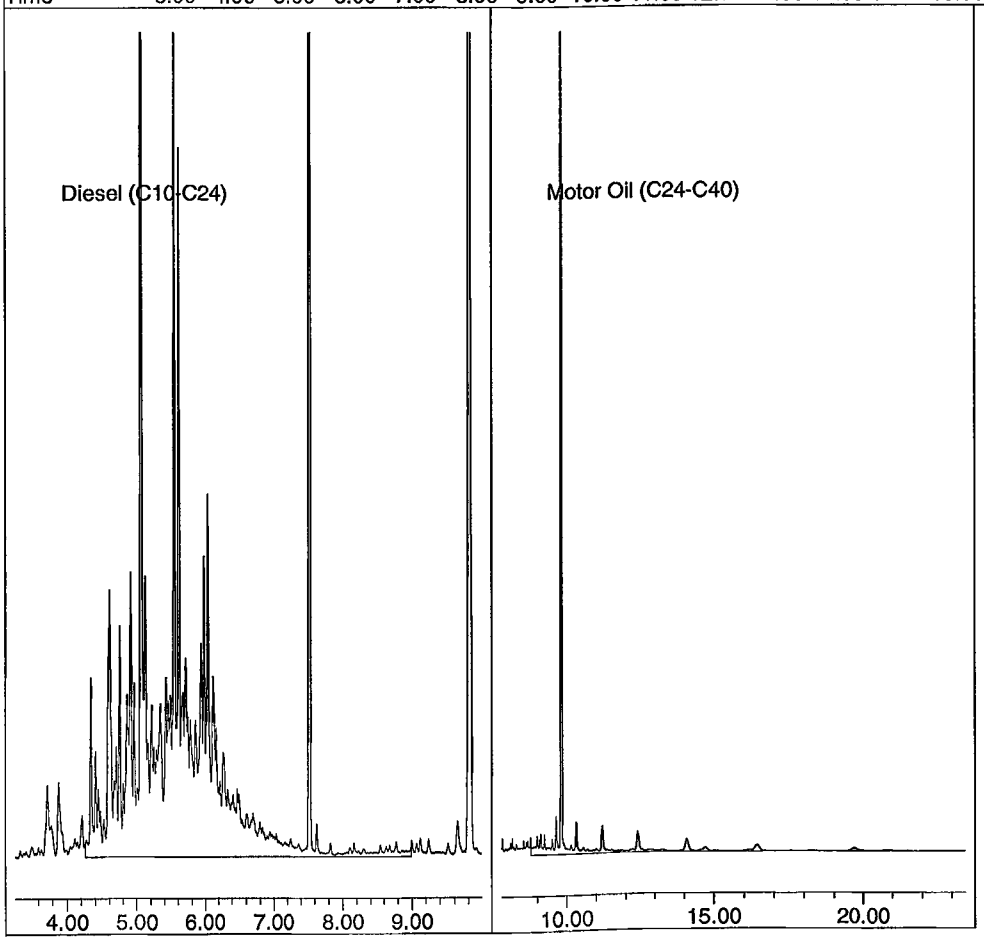
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.53	198298868	185.782 ppb
Surrogate Spike 145.631		Recovery =	127.57%
4) SA Octacosane(S)	9.82	189791410	239.132 ppb
Surrogate Spike 145.631		Recovery =	164.20%
Target Compounds			
1) HATM Diesel (C10-C24)	6.63	1144800923	1375.841 ppb
2) HBTM Motor Oil (C24-C40)	15.62	126169788	167.822 ppb

Target Compounds

Data File: G:\APOLLO\DATA\211021\1021035.D
Sample : BA43147W10 5/1030 SG 100/200





Quantitation Report (QT Reviewed)

Data File : G:\APOLLO\DATA\211021\1021036.D Vial: 36
Acq On : 10-22-21 4:39:14 Operator: KA
Sample : BA43149W10 5/1030 SG 100/200 Inst : Apollo
Misc : water Multiplr: 4.85
IntFile : events.e
Quant Time: Oct 25 9:20 2021 Quant Results File: DOC0830.RES

Method : G:\APOLLO\DATA\210911\DOC0830.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Oct 14 18:06:15 2021
Response via : Multiple Level Calibration

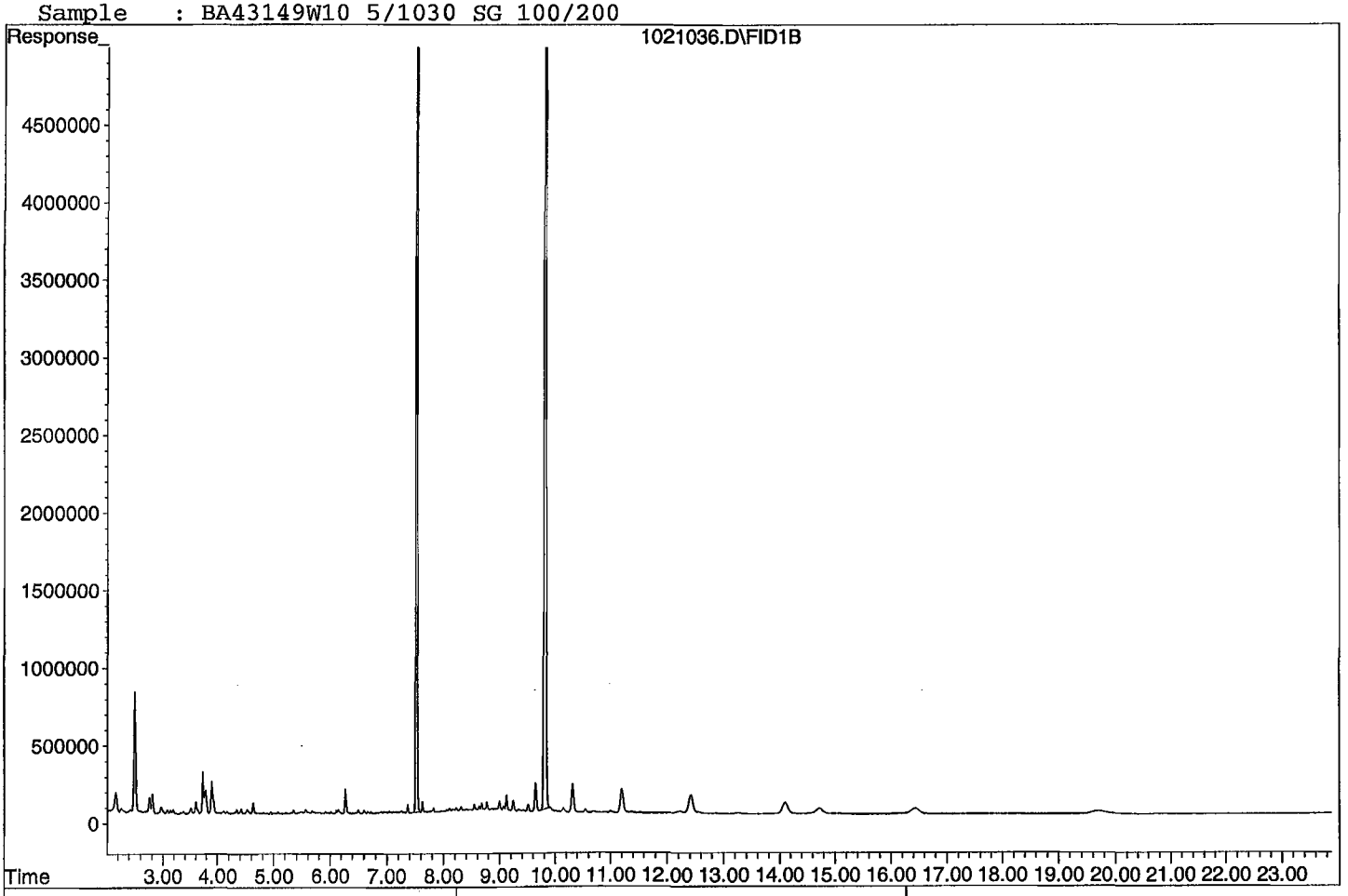
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

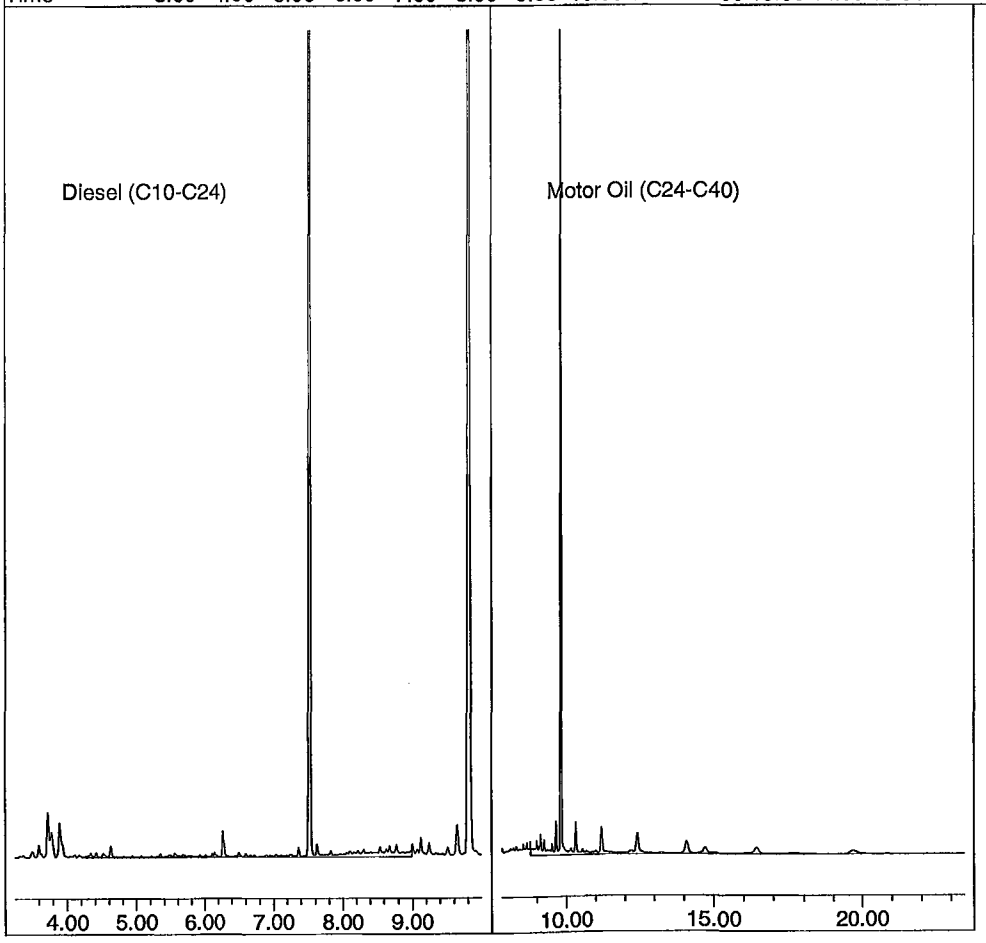
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.53	164431007	154.052 ppb
Surrogate Spike 145.631		Recovery =	105.78%
4) SA Octacosane(S)	9.81	151627538	191.047 ppb
Surrogate Spike 145.631		Recovery =	131.19%
Target Compounds			
1) HATM Diesel (C10-C24)	6.63	42905056	51.564 ppb
2) HBTM Motor Oil (C24-C40)	15.62	109421603	140.342 ppb

Target Compounds

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

Data File: G:\APOLLO\DATA\211021\1021036.D
Sample : BA43149W10 5/1030 SG 100/200





Quantitation Report (QT Reviewed)

Data File : G:\APOLLO\DATA\211021\1021037.D Vial: 37
Acq On : 10-22-21 5:07:18 Operator: KA
Sample : BA43151W09 5/1040 SG 100/200 Inst : Apollo
Misc : water Multiplr: 4.81
IntFile : events.e
Quant Time: Oct 25 9:20 2021 Quant Results File: DOC0830.RES

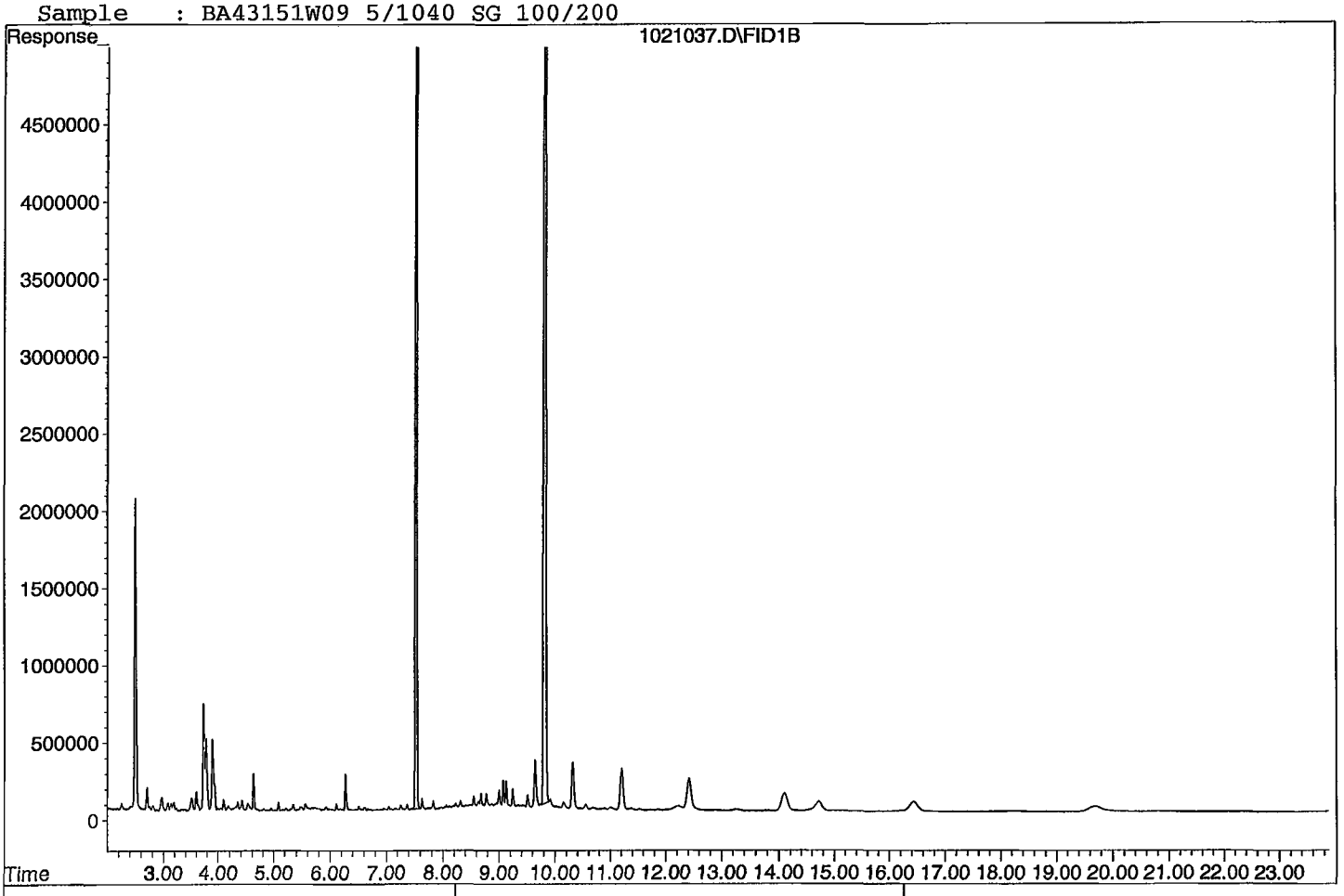
Method : G:\APOLLO\DATA\210911\DOC0830.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Oct 14 18:06:15 2021
Response via : Multiple Level Calibration

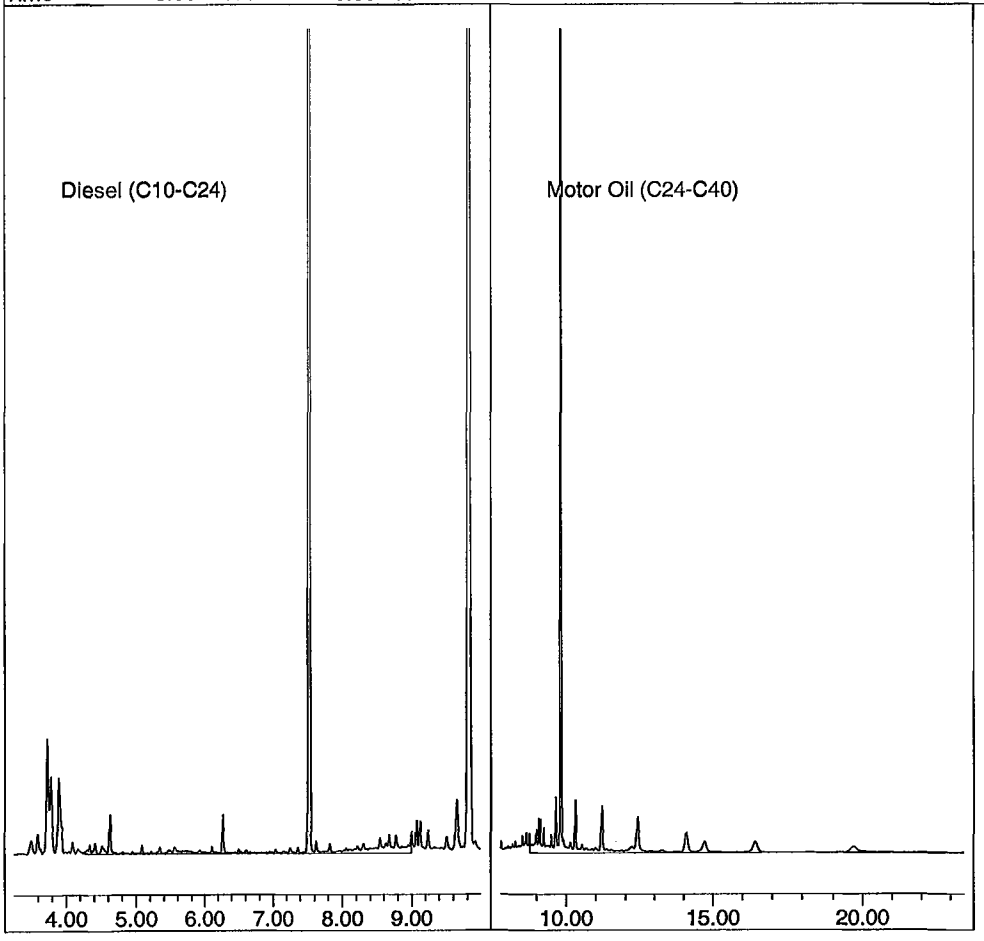
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.53	277652831	257.625 ppb
Surrogate Spike 144.231		Recovery =	178.62%
4) SA Octacosane(S)	9.82	252437370	315.006 ppb
Surrogate Spike 144.231		Recovery =	218.40%
Target Compounds			
1) HATM Diesel (C10-C24)	6.63	56438564	67.177 ppb
2) HBTM Motor Oil (C24-C40)	15.62	171701559	240.199 ppb
Target Compounds			

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

Data File: G:\APOLLO\DATA\211021\1021037.D
Sample : BA43151W09 5/1040 SG 100/200





Quantitation Report (QT Reviewed)

Data File : G:\APOLLO\DATA\211021\1021028.D Vial: 28
Acq On : 10-22-21 0:54:10 Operator: KA
Sample : 211018A BLK 5/1000 SG 100/200 Inst : Apollo
Misc : water Multiplr: 5.00
IntFile : events.e
Quant Time: Oct 25 9:20 2021 Quant Results File: DOC0830.RES

Method : G:\APOLLO\DATA\210911\DOC0830.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Oct 14 18:06:15 2021
Response via : Multiple Level Calibration

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

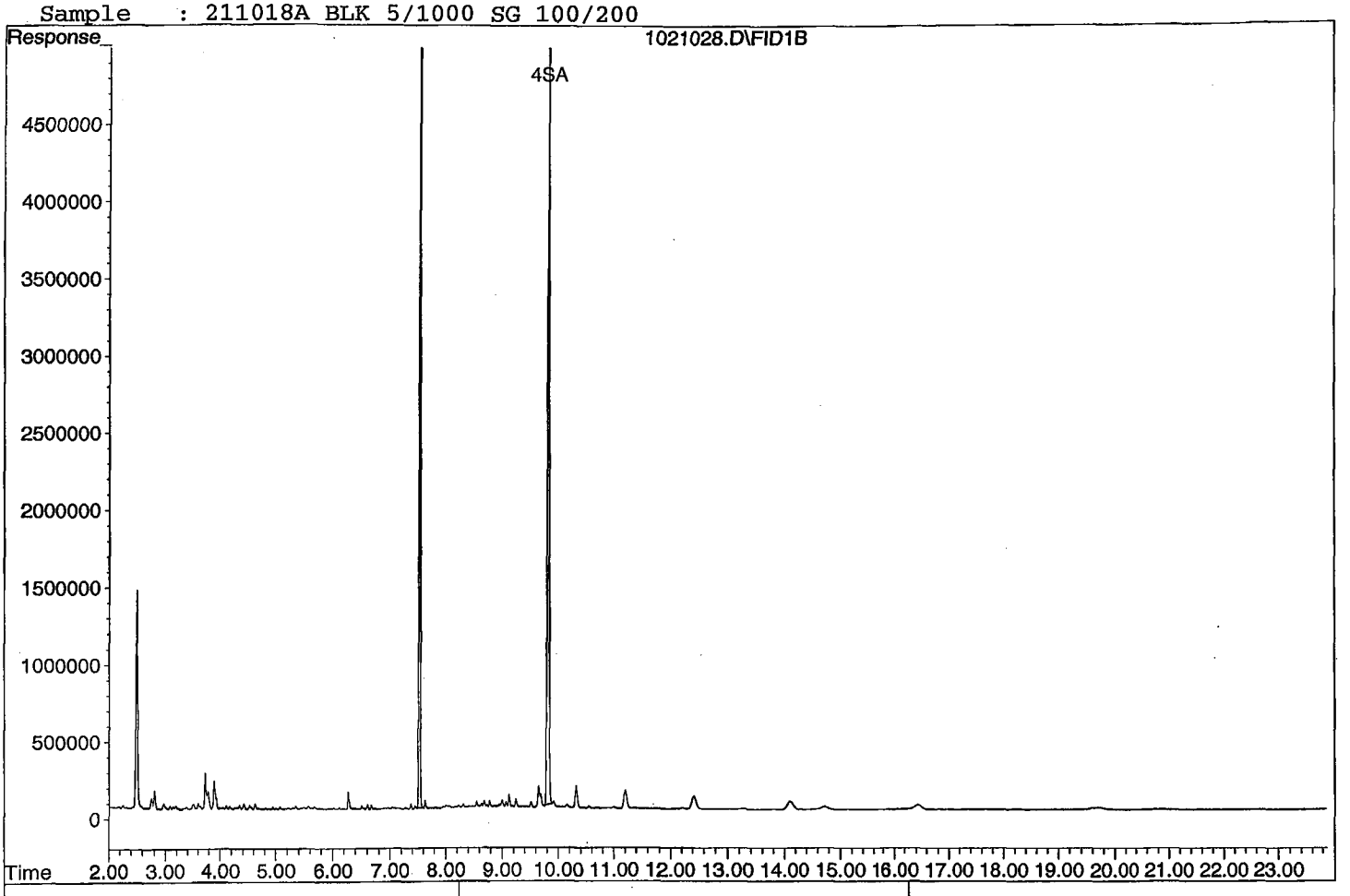
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.52	119088299	114.918 ppb
Surrogate Spike 150.000		Recovery =	76.61%
4) SA Octacosane(S)	9.81	106782373	138.579 ppb
Surrogate Spike 150.000		Recovery =	92.39%
Target Compounds			
1) HATM Diesel (C10-C24)	6.63	25983048	32.164 ppb
2) HBTM Motor Oil (C24-C40)	15.62	80125385	95.041 ppb

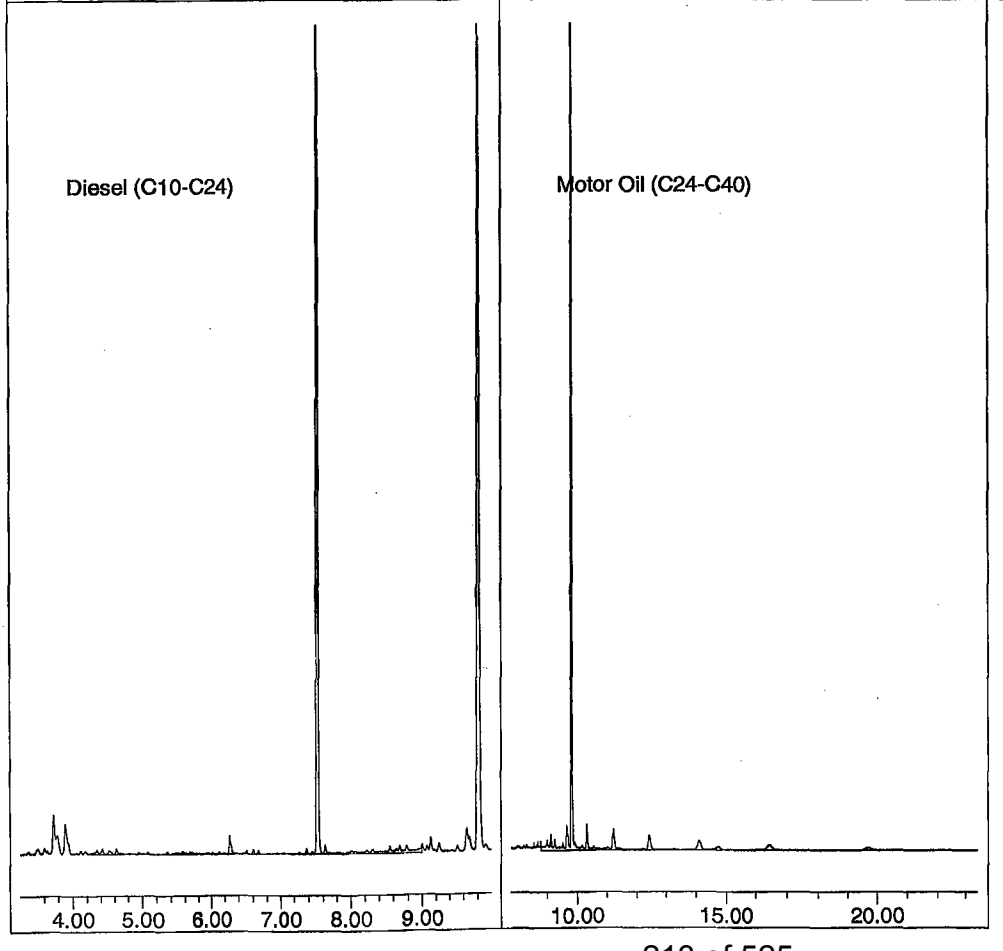
Target Compounds

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data File: G:\APOLLO\DATA\211021\1021028.D
Sample : 211018A BLK 5/1000 SG 100/200





Quantitation Report (QT Reviewed)

Data File : G:\APOLLO\DATA\211021\1021029.D Vial: 29
Acq On : 10-22-21 1:22:23 Operator: KA
Sample : 211018A LCS-1 5/1000 SG 100/200 Inst : Apollo
Misc : water Multiplr: 5.00
IntFile : events.e
Quant Time: Oct 25 9:19 2021 Quant Results File: DOC0830.RES

Method : G:\APOLLO\DATA\210911\DOC0830.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Oct 14 18:06:15 2021
Response via : Multiple Level Calibration

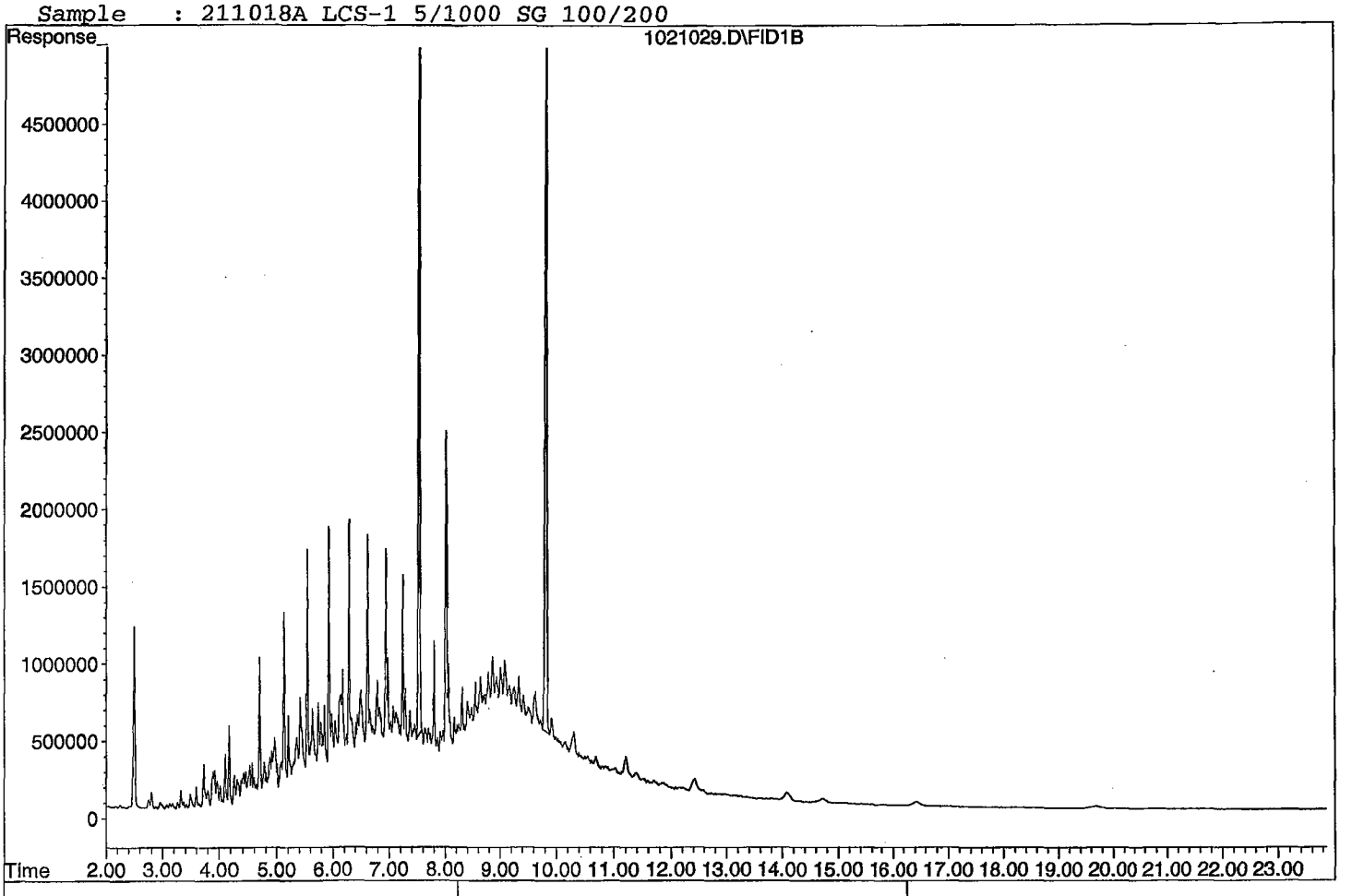
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

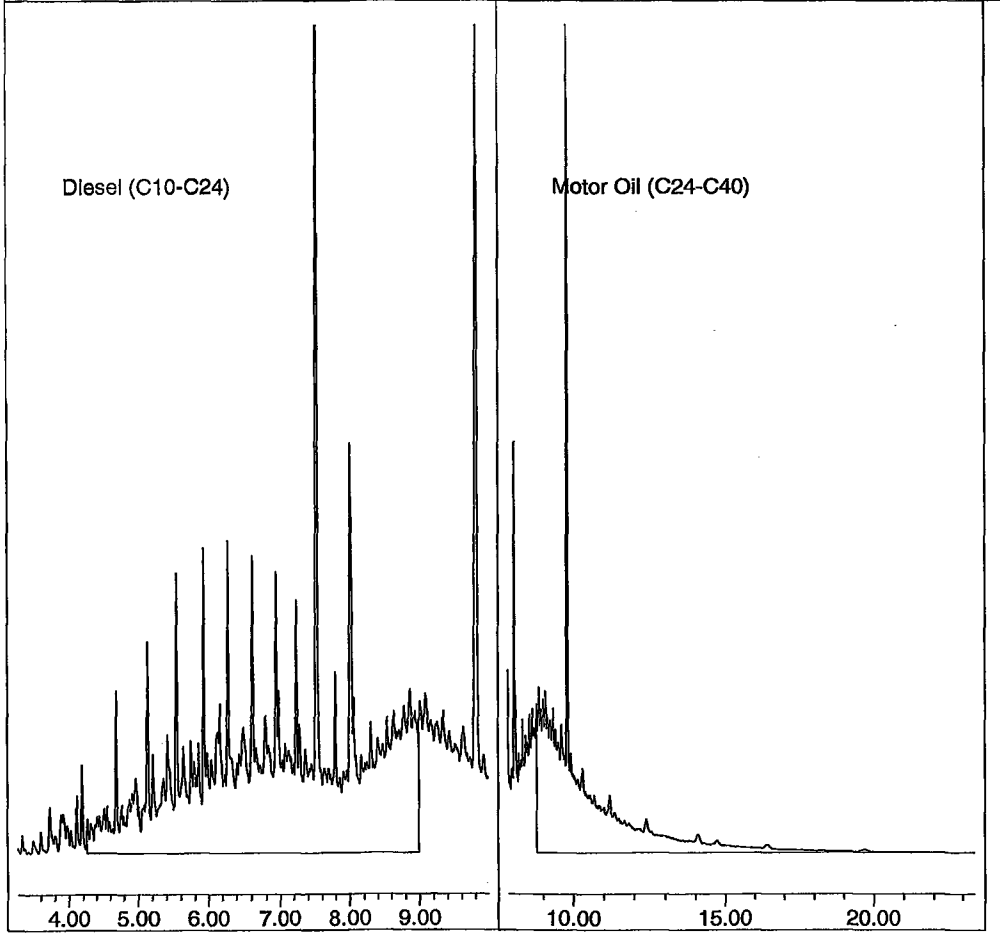
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.52	134587032	129.874 ppb
Surrogate Spike 150.000		Recovery =	86.58%
4) SA Octacosane(S)	9.82	107593065	139.631 ppb
Surrogate Spike 150.000		Recovery =	93.09%
Target Compounds			
1) HATM Diesel (C10-C24)	6.63	1483508363	1836.392 ppb
2) HBTM Motor Oil (C24-C40)	15.62	1058821815	1749.059 ppb
Target Compounds			

Diesel:

$$\frac{(1483508363)(5)}{(2019597)(2)} = \frac{7417541815}{4039194} = 1836.392$$

Data File: G:\APOLLO\DATA\211021\1021029.D
Sample : 211018A LCS-1 5/1000 SG 100/200





Quantitation Report (QT Reviewed)

Data File : G:\APOLLO\DATA\211021\1021030.D Vial: 30
Acq On : 10-22-21 1:50:33 Operator: KA
Sample : 211018A LCSD-1 5/1000 SG 100/200 Inst : Apollo
Misc : water Multiplr: 5.00
IntFile : events.e
Quant Time: Oct 25 9:19 2021 Quant Results File: DOC0830.RES

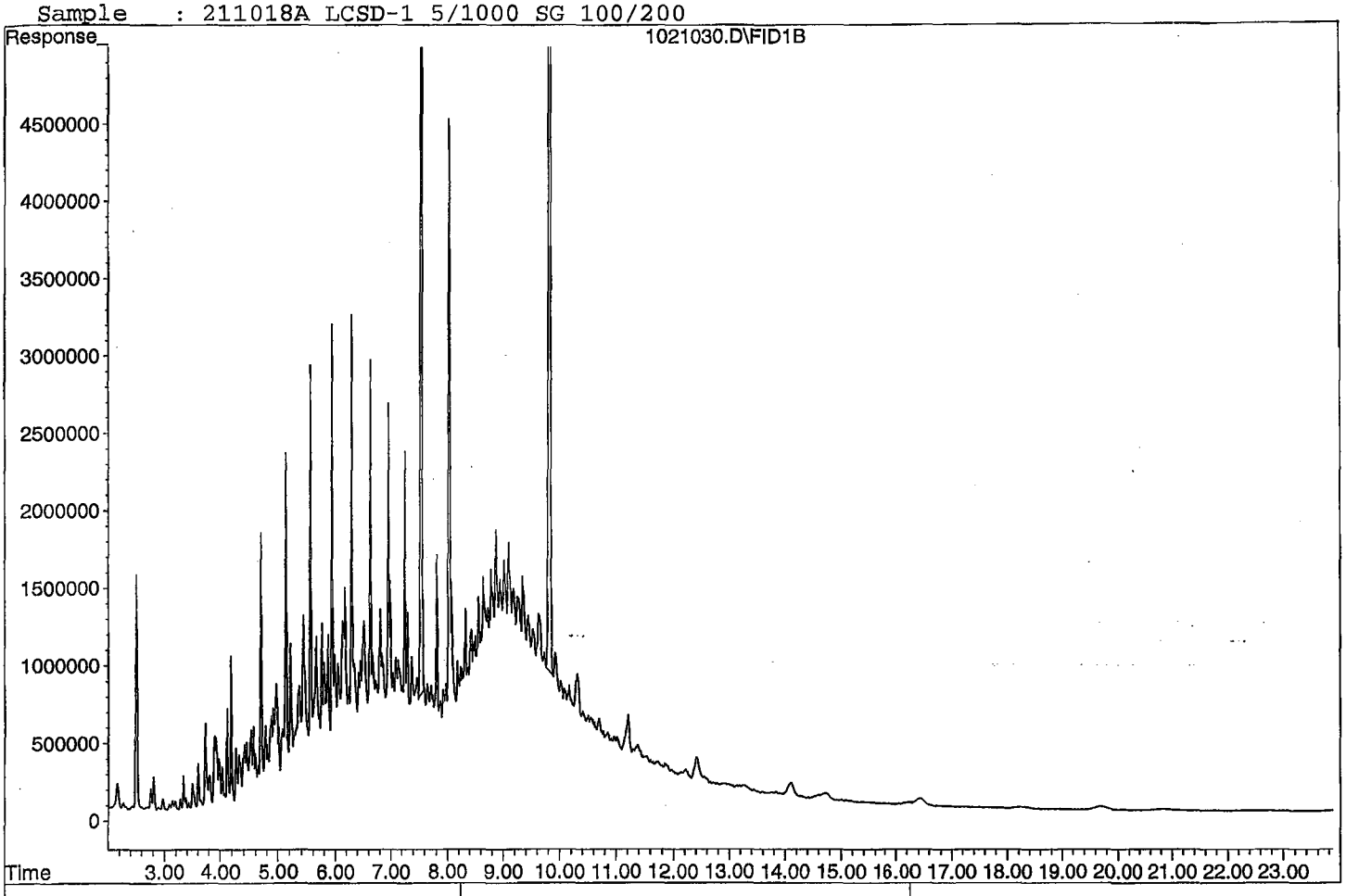
Method : G:\APOLLO\DATA\210911\DOC0830.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Oct 14 18:06:15 2021
Response via : Multiple Level Calibration

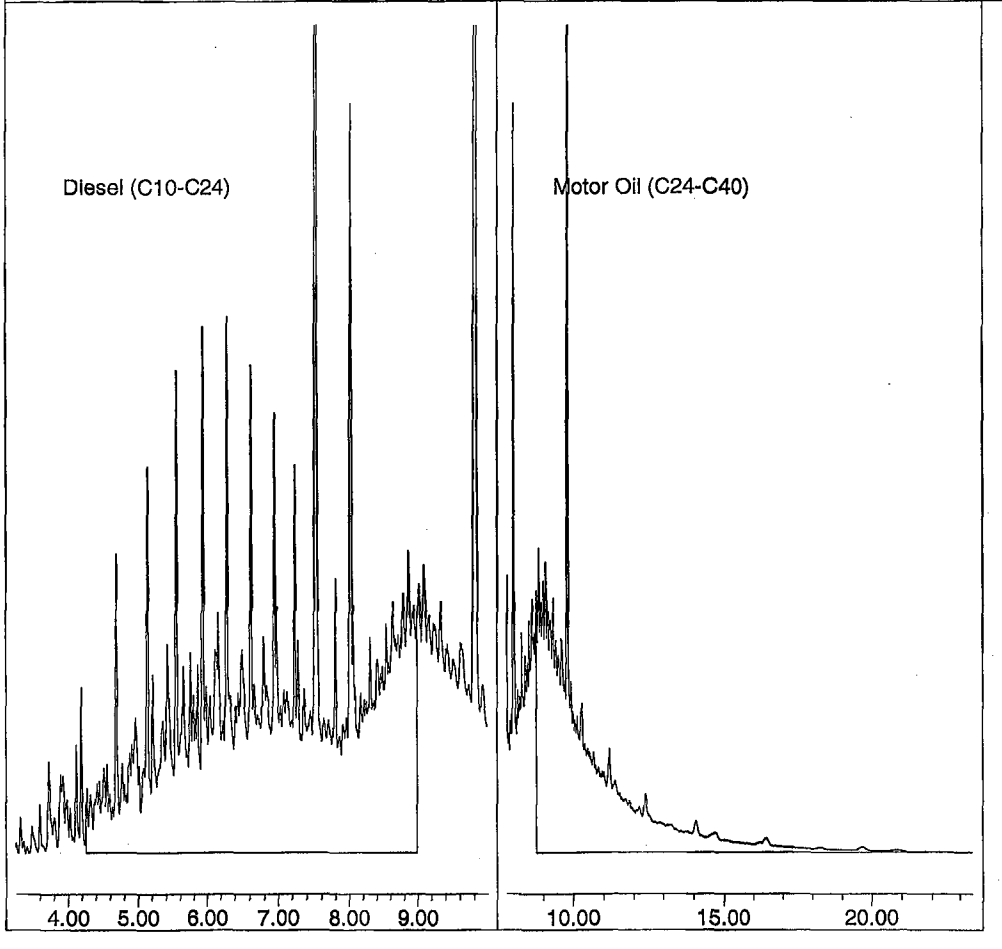
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.53	233756146	225.571 ppb
Surrogate Spike 150.000		Recovery =	150.38%
4) SA Octacosane(S)	9.82	188014495	244.000 ppb
Surrogate Spike 150.000		Recovery =	162.67%
Target Compounds			
1) HATM Diesel (C10-C24)	6.63	2477206572	3066.462 ppb
2) HBTM Motor Oil (C24-C40)	15.62	1867978970	3116.553 ppb
Target Compounds			

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

Data File: G:\APOLLO\DATA\211021\1021030.D
Sample : 211018A LCSD-1 5/1000 SG 100/200





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			

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

Diesel / Motor Oil CCV

Prepared: 10/18/2021
Expires: 5/31/2026
Methylene Chloride Lot No. 61117

Prepared By (Initials): KA

Initial Standard Information							Final Standard			
Name of Initial Standard (QAU Label)	Supplier	APPL Mix Name	Conc. (ug/mL)	Reference to APPL Prep Date and Lot #'s	Exp. Date	Exp. Date (Manufacturer)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/mL)
Diesel / Motor Oil STD	Restek	Diesel / Motor Oil CCV	2,000	**Perp'd: 10/06/21 A0164485-52822, A0168842-52820, A0166510-52817, CL16893-52835**	**9/17/2022**	**10/31/2027 12/31/2027 5/31/2026**	1250uL	10mL	MC	250

Diesel Motor Oil Mix

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

Expires: 10/31/2027

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

THC Surrogate

Prepared: 10/6/2021 **KA**

Expires: 5/31/2026

Initial Standard Information							Final Standard			
Name of Initial Standard (QAU Label)	Supplier	Supplier Part No.	Conc. (ug/mL)	Lot Number - QA Number	Exp. Date (1 yr.)	Exp. Date (Manufacturer)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/mL)
O-terphenyl / Octacosane Mix	Phenova	ALO-130161	600	**CL16893-52835**	**10/6/2021**	**5/31/2026**	N/A	N/A	N/A	600

Decanoic Acid Spike

Prepared: 10/18/2021 **Prepared By (Initials):** KA

Expires: 7/8/2024

Initial Standard Information							Final Standard			
Name of Initial Standard (QAU Label)	Supplier	Supplier Part No.	Conc. (ug/mL)	Lot Number - QA Number	Exp. Date (1 yr.)	Exp. Date (Manufacturer)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/mL)
Decanoic Acid Spike	Absolute	72766	1,000	**070821-52694**	**See man. Exp date**	**7/8/2024**	N/A	N/A	N/A	1,000

Organic Extraction Worksheet

Method	Continuous Liq/Liq TPH- 3520C w/SGC	Extraction Set	211018A	Extraction Method	LIQ005SGC	Units	mL

Spiked ID 1	Diesel Motor Oil Mix 10/16/21-10/16/21		Surrogate ID 1	THC Surrogate 10/06/21-10/06/22	
Spiked ID 2	Decanoic 1000ug/mL Acid Solution 10/18/21-10/18/22		Surrogate ID 2		
Spiked ID 3			Surrogate ID 3		
Spiked ID 4			Surrogate ID 4		
Spiked ID 5			Surrogate ID 5		
Spiked ID 6			Sufficient Vol for Matrix QC:	NO	
Spiked ID 7			Ext. Start Time:	10/18/21 13:36	
Spiked ID 8			Ext. End Time:	10/19/21 7:36	
			GC Requires Extract By:		

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

Spiked By: SR **Date** 10/18/2021 11:20:00 AM **Witnessed By:** CG **Date** 10/18/2021 11:20:00 AM

	Sample	Sample	Spike	Spike	Surrogate	Surrogate	Extract	Final	pH	Extract	Comments
1	211018A Blk		0.050	2	0.250	1 equip	1000	5	2	10/18/21 11:20	*
2	211018A LCS-1		0.080,0.050	1,2	0.250	1 equip	1000	5	2	10/18/21 11:20	*
3	211018A LCSD-1		0.080,0.050	1,2	0.250	1 equip	1000	5	2	10/18/21 11:20	*
4	BA42994	BA42994W09	0.050	2	0.250	1 equip	1040	5	2	10/18/21 11:20	97833 *
5	BA42996	BA42996W09	0.050	2	0.250	1 equip	1040	5	2	10/18/21 11:20	97833 *
6	BA42997	BA42997W07	0.050	2	0.250	1 equip	1040	5	2	10/18/21 11:20	97833 *
7	BA43145	BA43145W09	0.050	2	0.250	1 equip	1060	5	2	10/18/21 11:20	97850 *
8	BA43147	BA43147W10	0.050	2	0.250	1 equip	1030	5	2	10/18/21 11:20	97850 *
9	BA43149	BA43149W10	0.050	2	0.250	1 equip	1030	5	2	10/18/21 11:20	97850 *
10	BA43151	BA43151W09	0.050	2	0.250	1 equip	1040	5	2	10/18/21 11:20	97850 *

Solvent and Lot#	
1+1 HCL (5mLs)	*
PH Strips	HC155968
Dichloromethane (300mL))	61117
Filter Paper	400196
Sodium Sulfate	2021071206
SILICA GEL (*)	*

Extraction COC Transfer	
Extraction lab employee Initials	
GC analyst's initials	CW
Date	10/20/21
Time	10:10
Refrigerator	Hobart

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

Modified	10/19/2021 7:47:47 AM

Reviewed By: **Date**

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	17	1021017.D	1	Diesel Motor Oil CCV 10/18/21	water	10-21-21 19:43:17
16	18	1021018.D	1	Decanoic Acid CCV 10/08/21	water	10-21-21 20:11:36
17	28	1021028.D	5	211018A BLK 5/1000 SG 100/200	water	10-22-21 0:54:10
18	29	1021029.D	5	211018A LCS-1 5/1000 SG 100/200	water	10-22-21 1:22:23
19	30	1021030.D	5	211018A LCSD-1 5/1000 SG 100/200	water	10-22-21 1:50:33
20	34	1021034.D	4.71698	BA43145W09 5/1060 SG 100/200	water	10-22-21 3:43:04
21	35	1021035.D	4.85437	BA43147W10 5/1030 SG 100/200	water	10-22-21 4:11:09
22	36	1021036.D	4.85437	BA43149W10 5/1030 SG 100/200	water	10-22-21 4:39:14
23	37	1021037.D	4.80769	BA43151W09 5/1040 SG 100/200	water	10-22-21 5:07:18
24	38	1021038.D	1	Diesel Motor Oil CCV 10/18/21	water	10-22-21 5:35:22
25	39	1021039.D	1	Decanoic Acid CCV 10/08/21	water	10-22-21 6:03:26

ORGANICS
Calibration Data

TPH Extractables
DOC0831

Form 6
Initial Calibration

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

SDG No:
Initial Cal. Date: 8/30/2021
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																	
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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

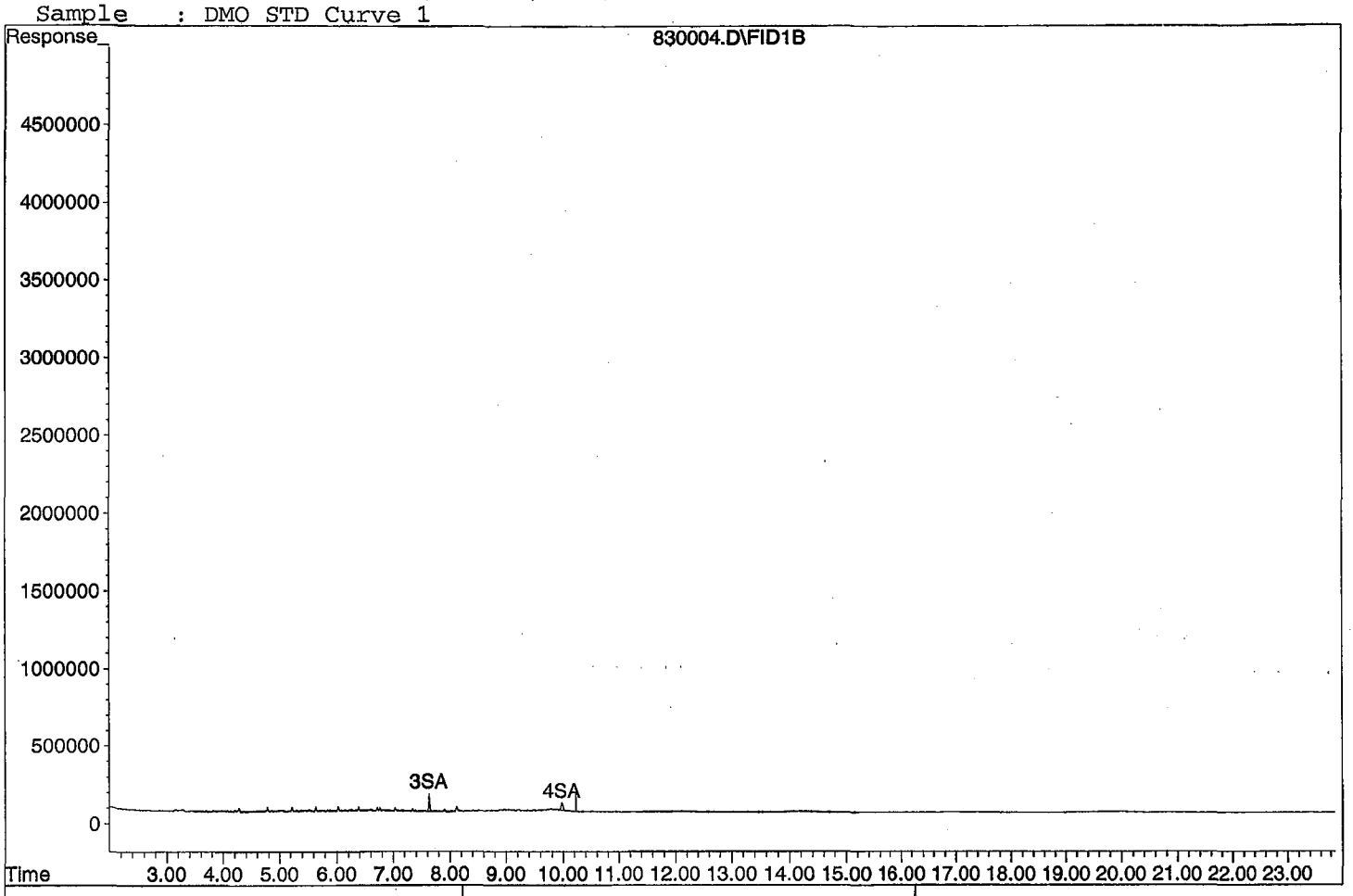
Method : G:\APOLLO\DATA\210830\DOC0830.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Tue Aug 31 09:20:02 2021
Response via : Multiple Level Calibration

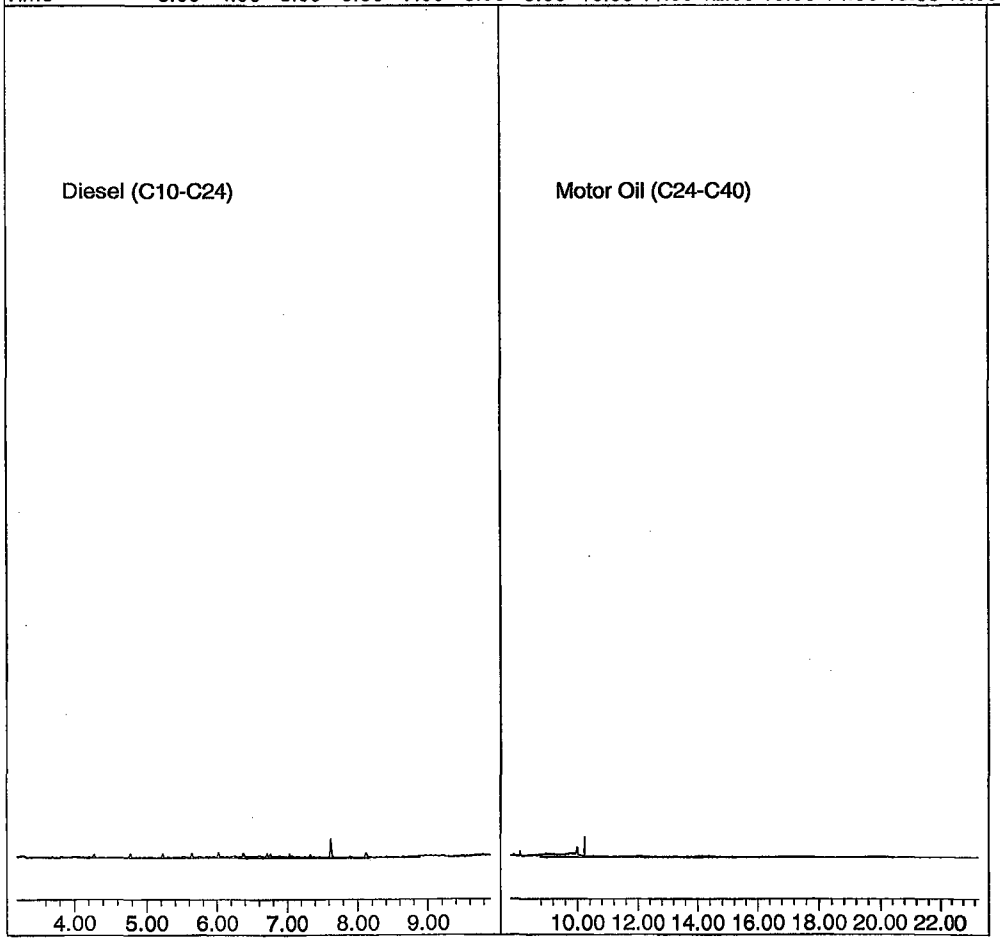
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

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

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





Quantitation Report (Not Reviewed)

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

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

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

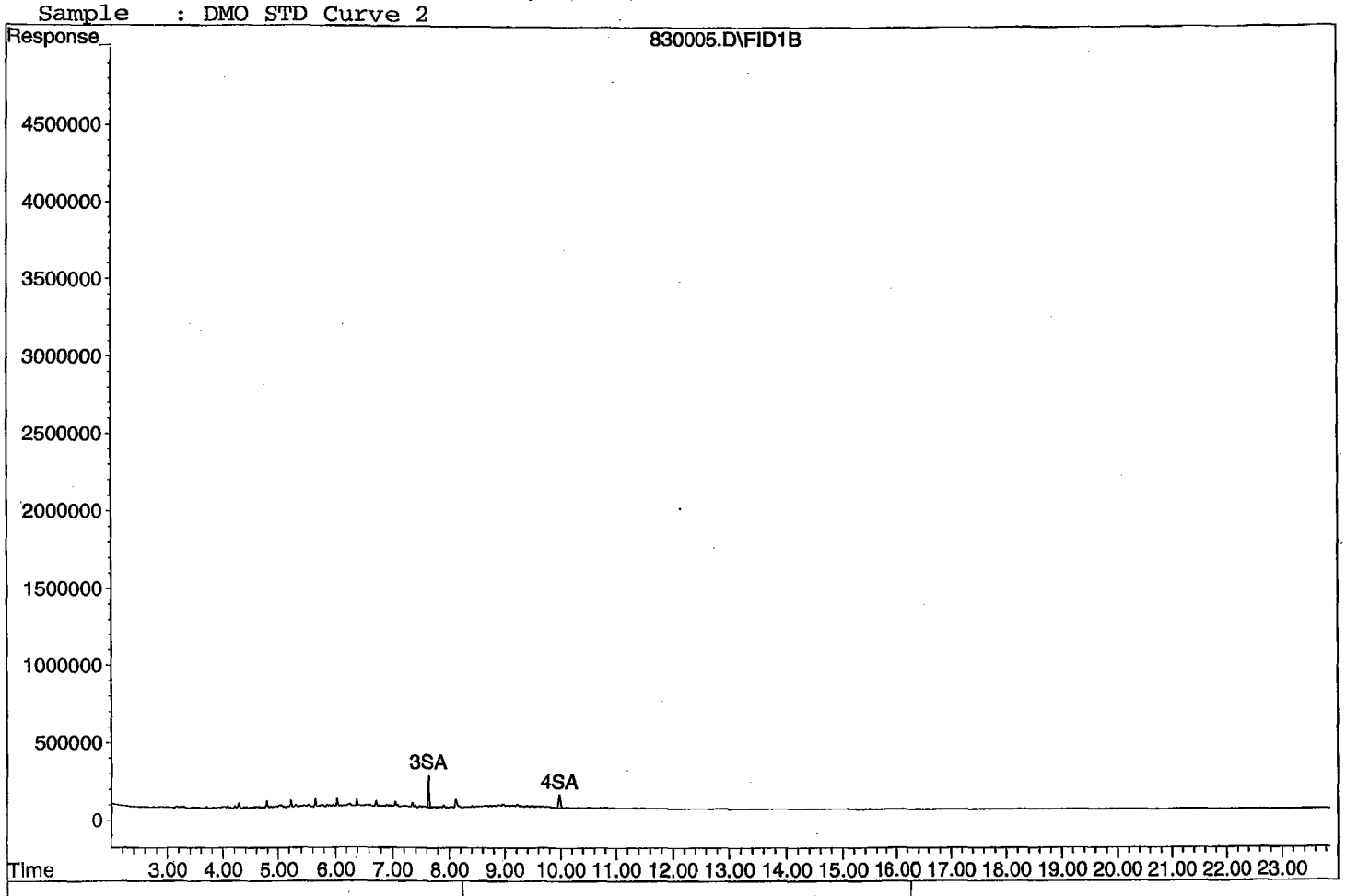
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.63	2657484	0.513 ppb
Surrogate Spike 30.000	Recovery =		1.71%
4) SA Octacosane(S)	9.98	1874119	0.486 ppb
Surrogate Spike 30.000	Recovery =		1.62%
Target Compounds			
1) HATM Diesel (C10-C24)	6.54	41930088	10.381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

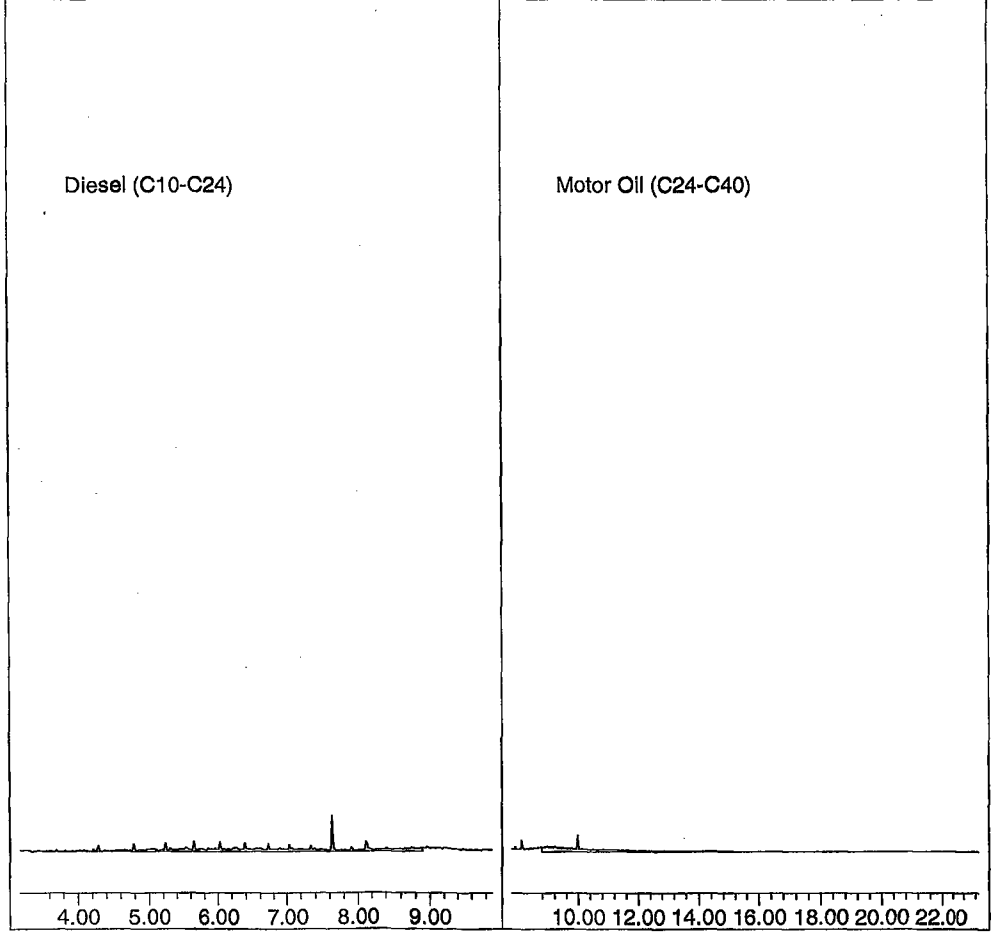
Target Compounds

(f)=RT Delta > 1/2 Window

(m)=manual int.
830005.D DOC0830.M Wed Sep 08 12:56:15 2021 Page 1

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





Quantitation Report (Not Reviewed)

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

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

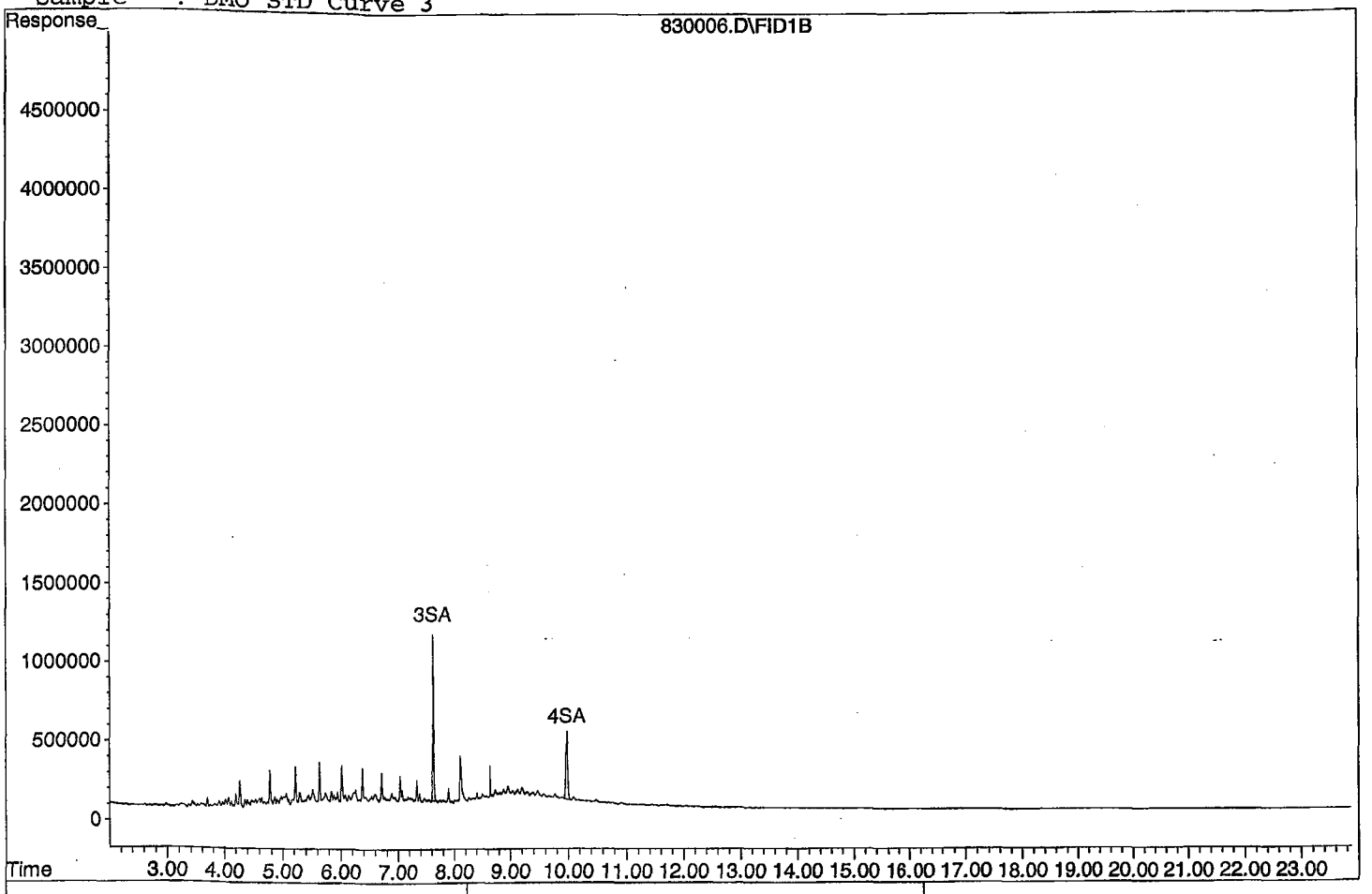
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

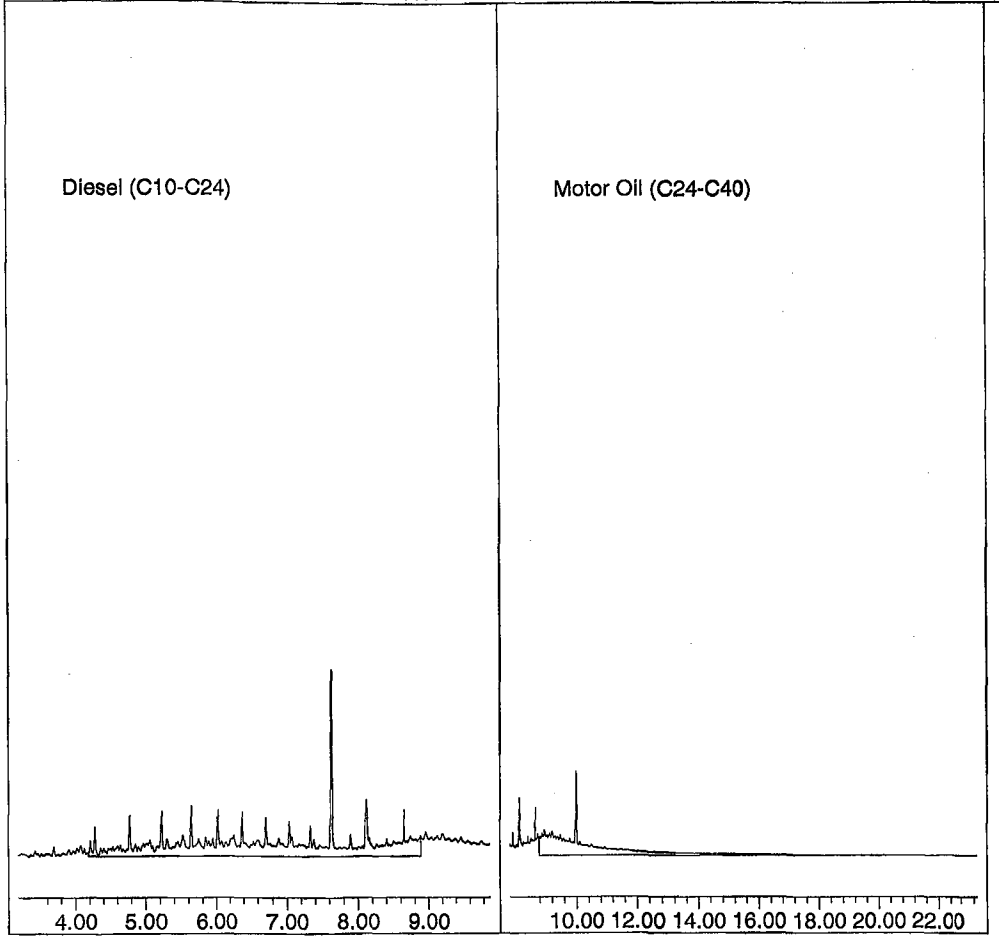
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.63	13144947	2.537 ppb
Surrogate Spike 30.000	Recovery =		8.46%
4) SA Octacosane(S)	9.98	9579881	2.487 ppb
Surrogate Spike 30.000	Recovery =		8.29%
Target Compounds			
1) HATM Diesel (C10-C24)	6.54	204498046	50.628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

Target Compounds

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

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





Quantitation Report (Not Reviewed)

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

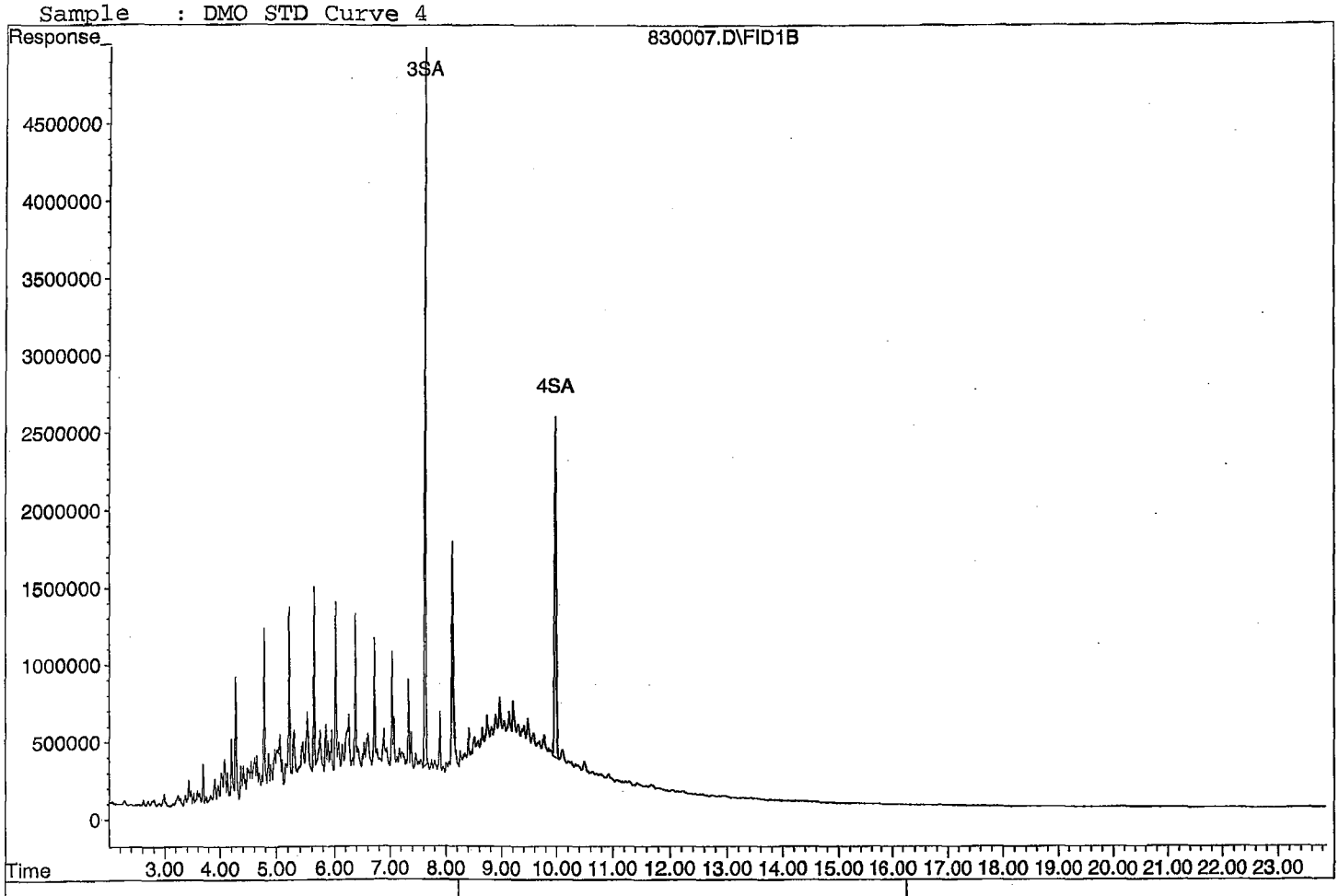
Method : G:\APOLLO\DATA\210830\DOC0830.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Tue Aug 31 09:20:02 2021
Response via : Multiple Level Calibration

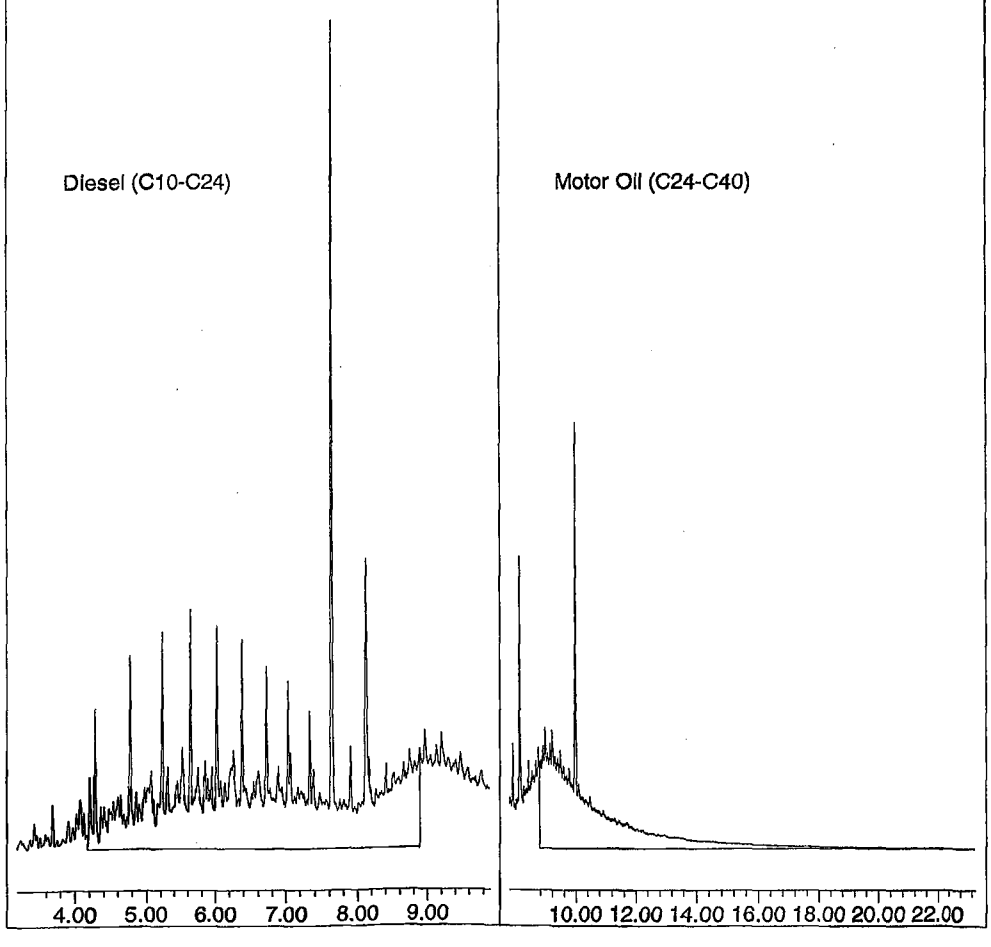
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

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

Target Compounds

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

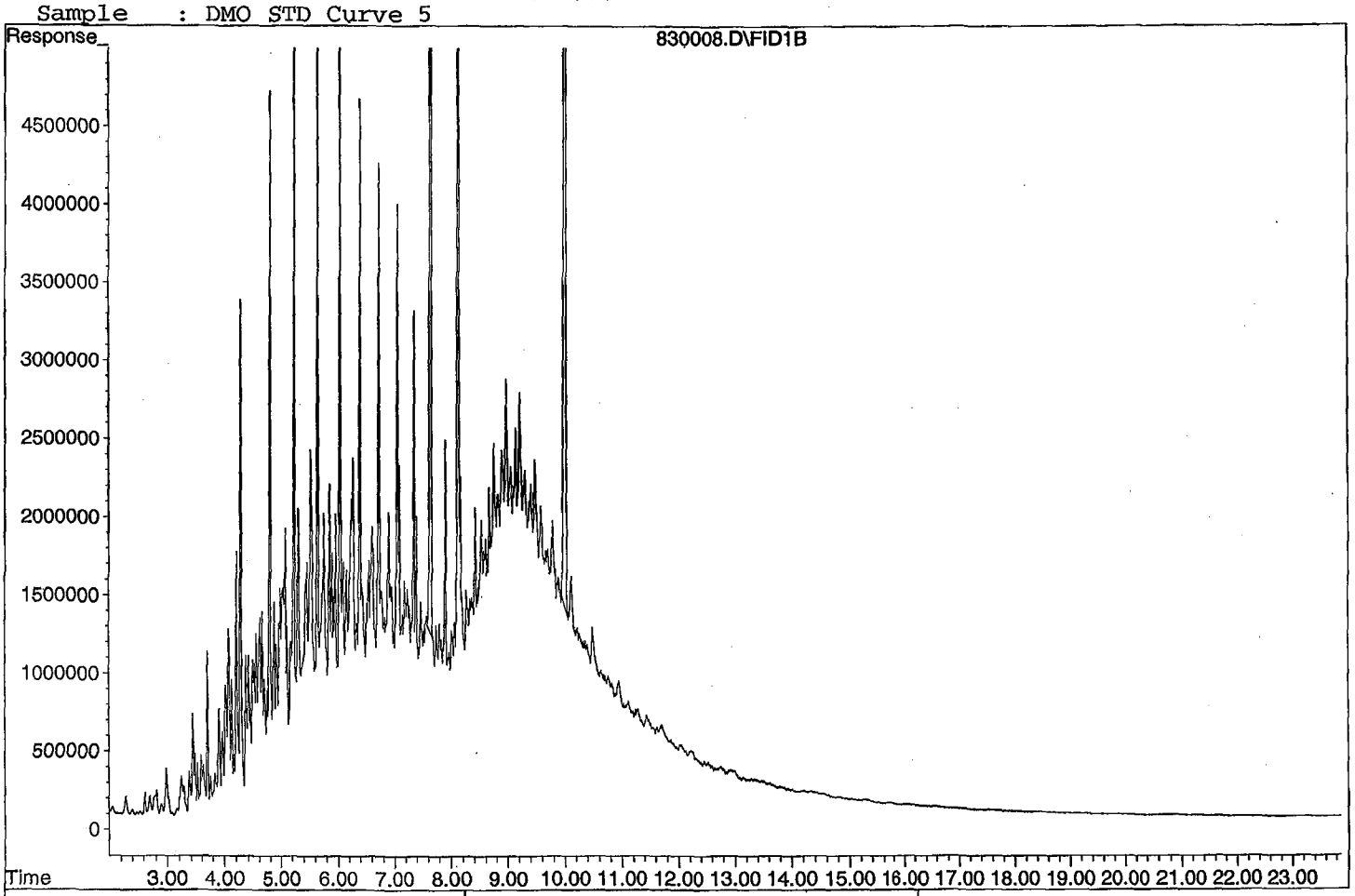
Method : G:\APOLLO\DATA\210830\DOC0830.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Tue Aug 31 09:20:02 2021
Response via : Multiple Level Calibration

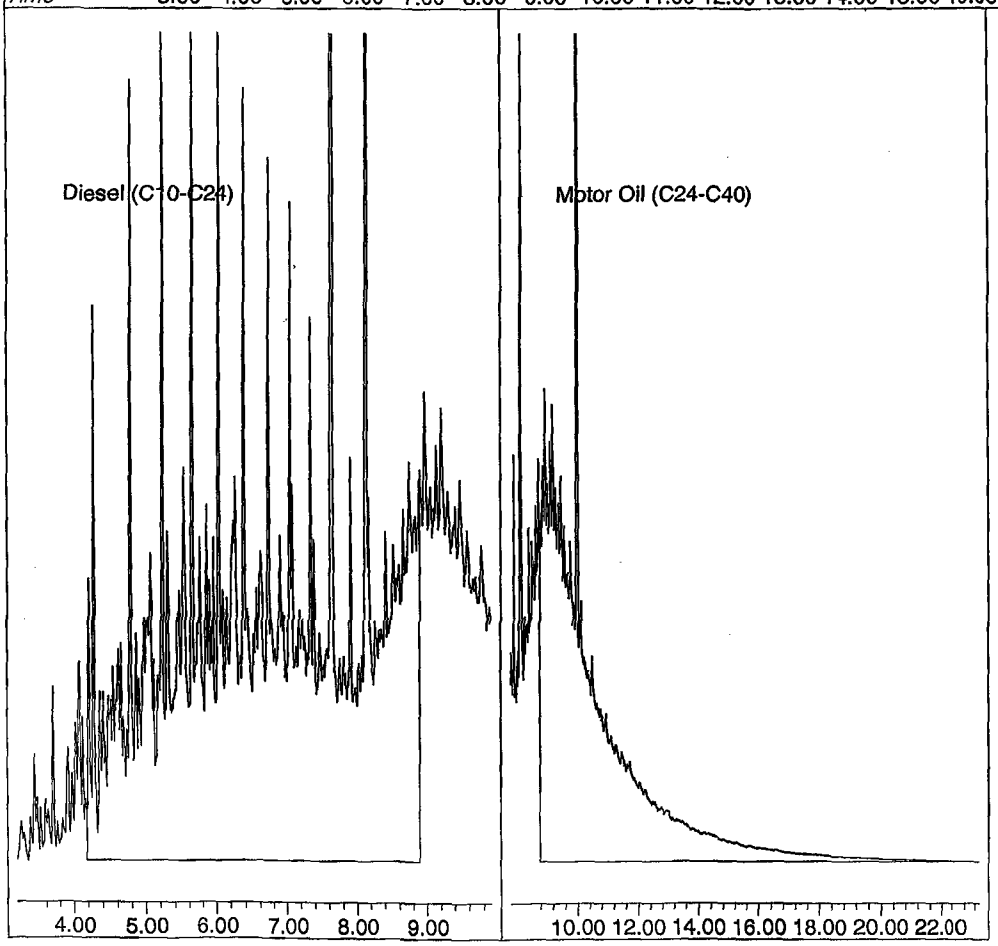
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

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

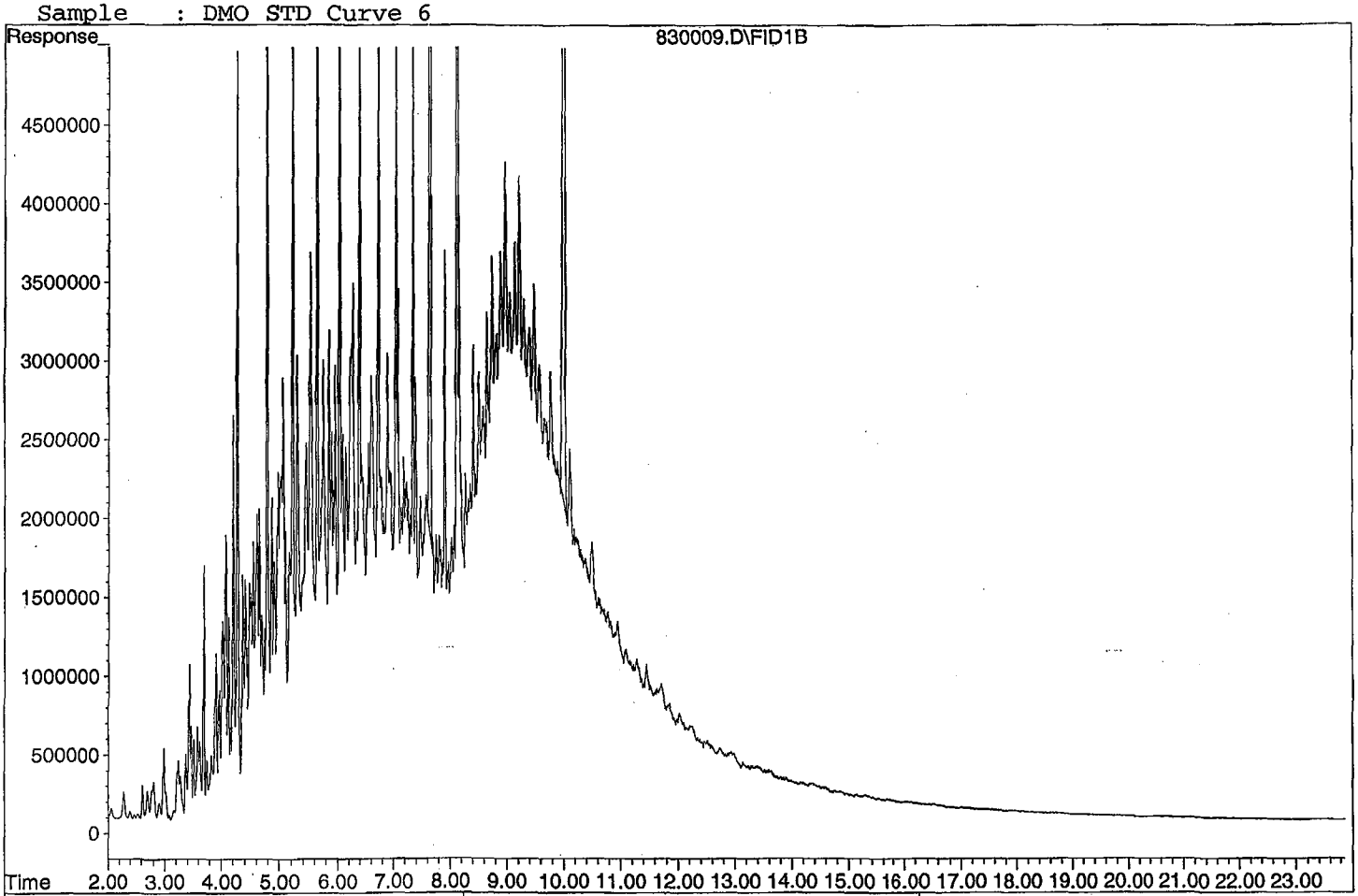
Method : G:\APOLLO\DATA\210830\DOC0830.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Tue Aug 31 09:20:02 2021
Response via : Multiple Level Calibration

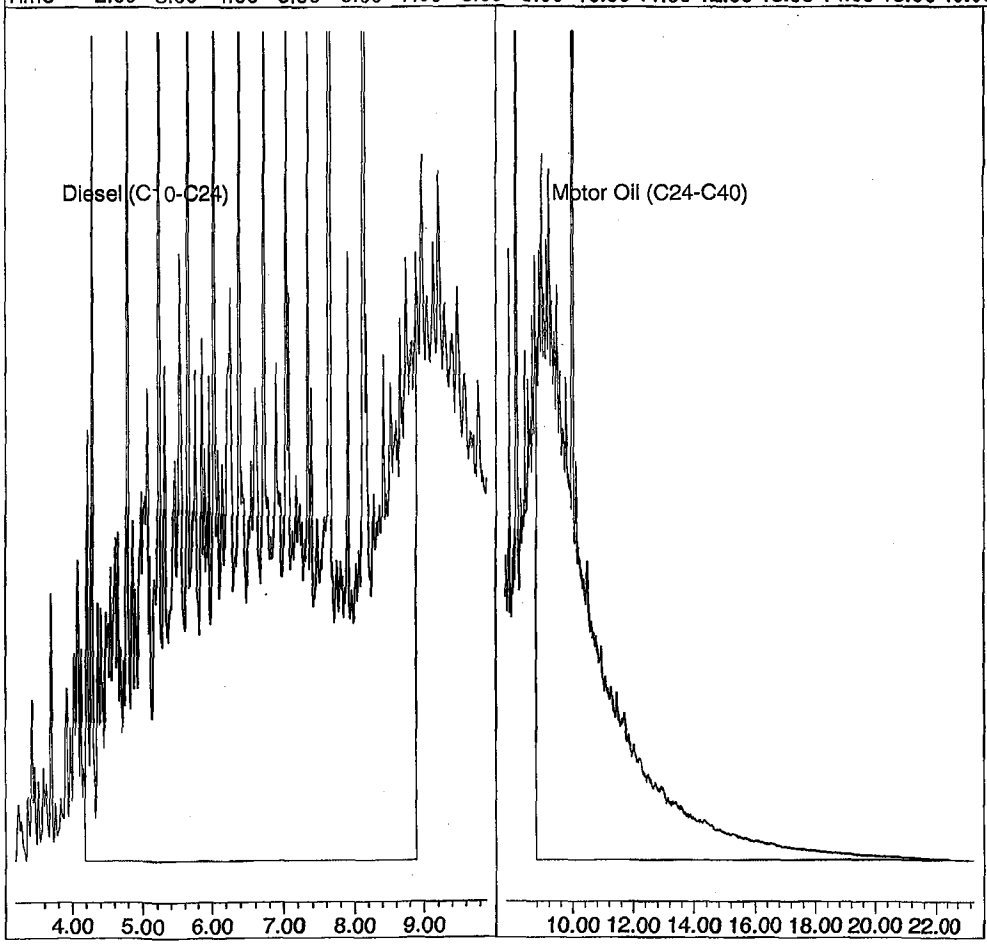
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

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

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

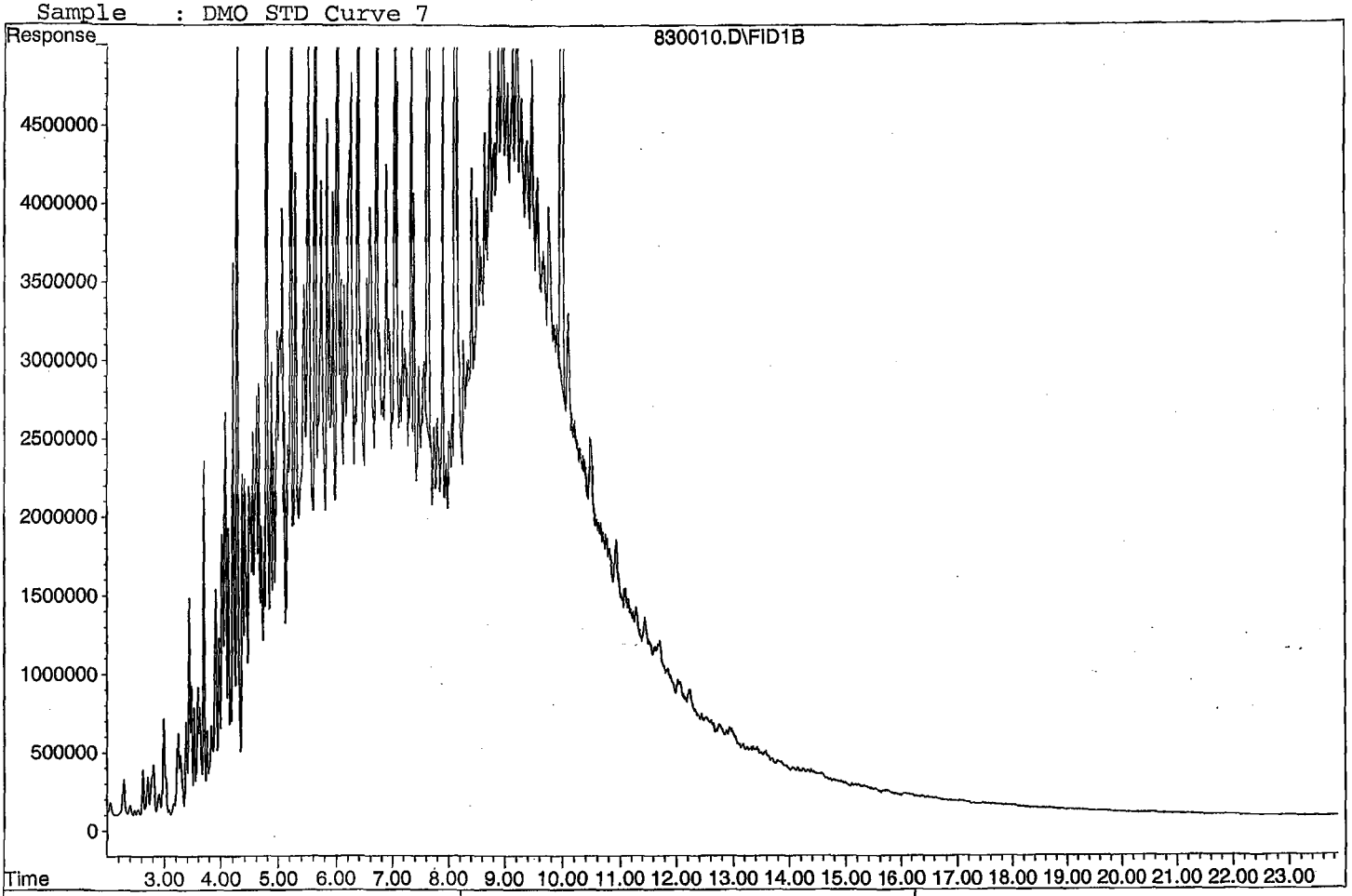
Method : G:\APOLLO\DATA\210830\DOC0830.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Tue Aug 31 09:20:02 2021
Response via : Multiple Level Calibration

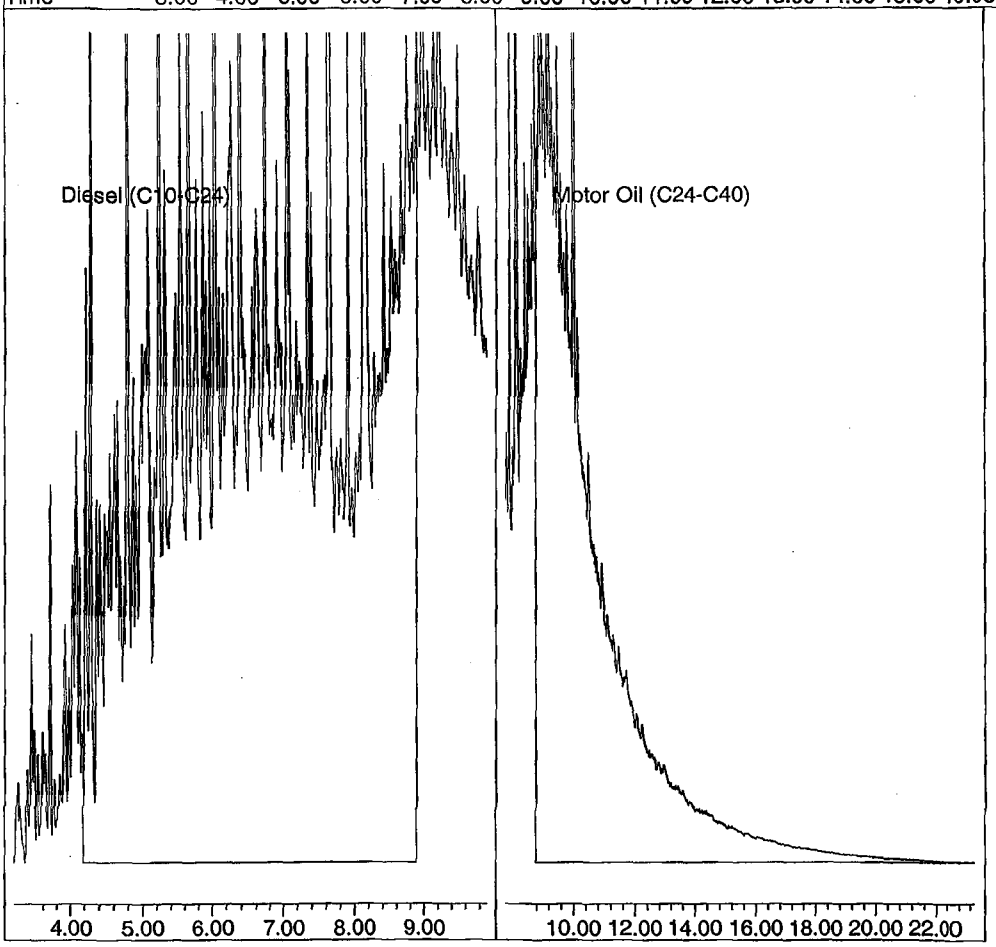
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

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





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
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		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

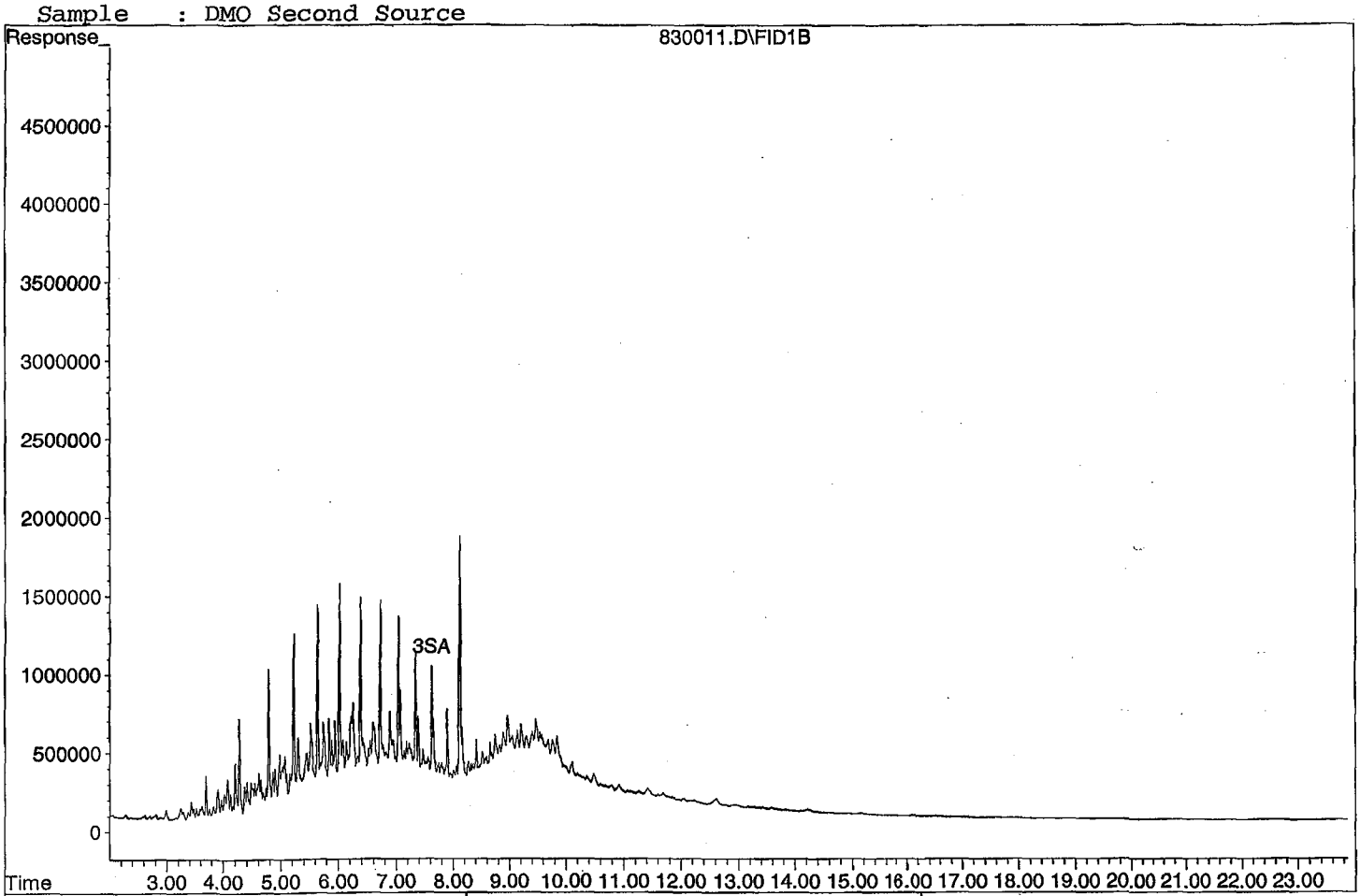
Method : G:\APOLLO\DATA\210830\DOC0830.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Tue Aug 31 09:20:02 2021
Response via : Multiple Level Calibration

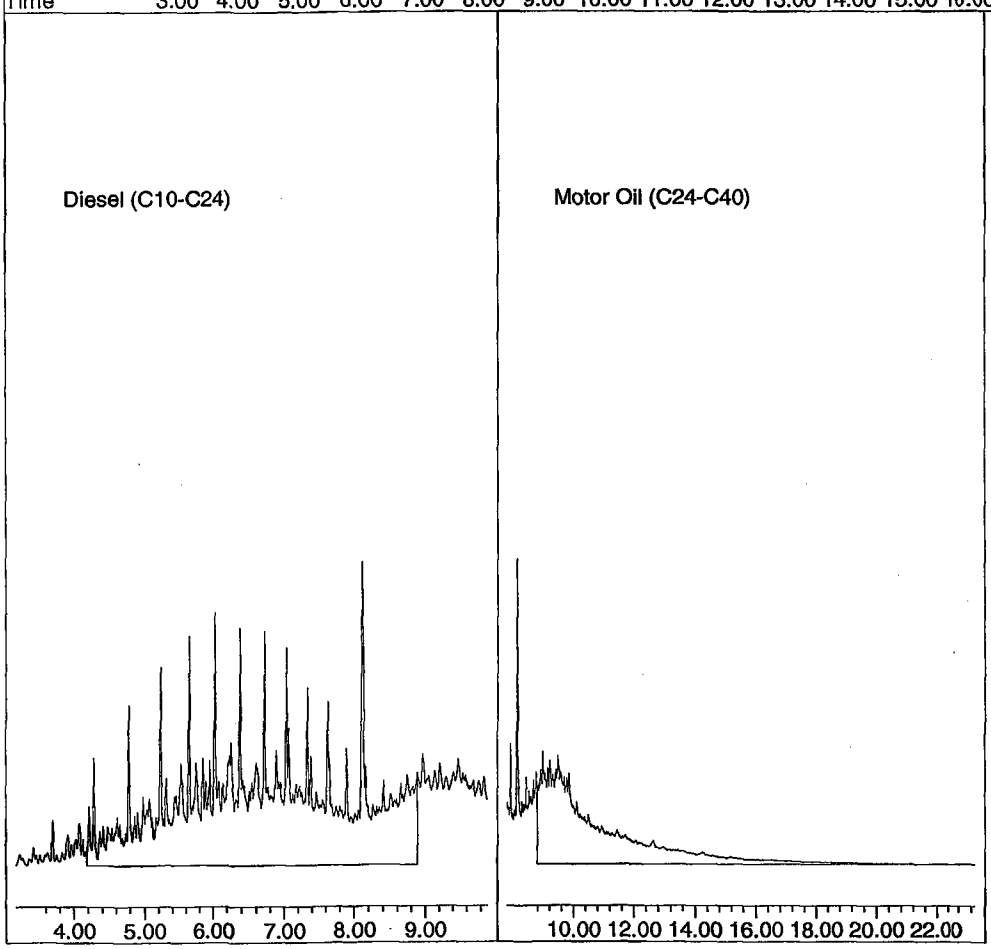
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

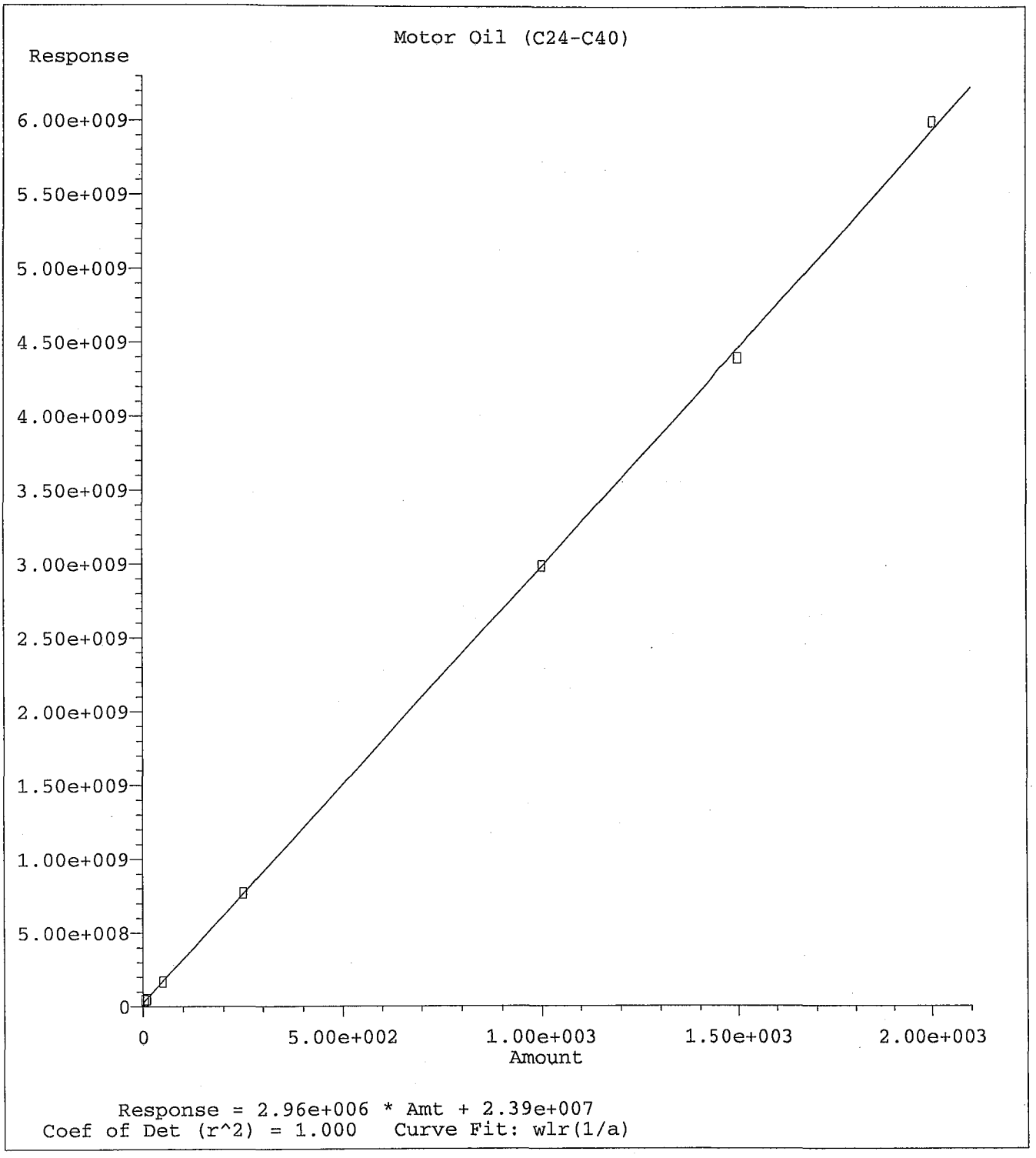
Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
3) SA Ortho-Terphenyl(S)	7.62	4475122	0.864	ppb
Surrogate Spike 30.000	Recovery	=	2.88%	
4) SA Octacosane(S)	9.98	-56148	N.D.	ppb
Surrogate Spike 30.000	Recovery	=	0.00%	
Target Compounds				
1) HATM Diesel (C10-C24)	6.54	1110816428	275.009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

Target Compounds

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
DOC0831

Form 7

Continuing Calibration

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

SDG No:
Date Analyzed: 10/22/2021
Instrument: Apollo
Initial Cal. Date: 8/30/2021
Data File: 1021067.D

		Compound	MEAN	CCRF	%D		%Drift
1	HATM	Diesel (C10-C24)	2019600	2087570	3.4	HATM	
2	HBTM	Motor Oil (C24-C40)	2035830	1534630	25	HBTML	0.51
3	SA	Ortho-Terphenyl(S)	2590720	2697660	4.1	SA	
4	SA	Octacosane(S)	1926380	1959240	1.7	SA	
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		Average			8.6		

Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\211021\1021067.D Vial: 67
Acq On : 10-22-21 19:14:09 Operator: KA
Sample : Diesel Motor Oil CCV 10/18/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 23 12:53 2021 Quant Results File: DOC0830.RES

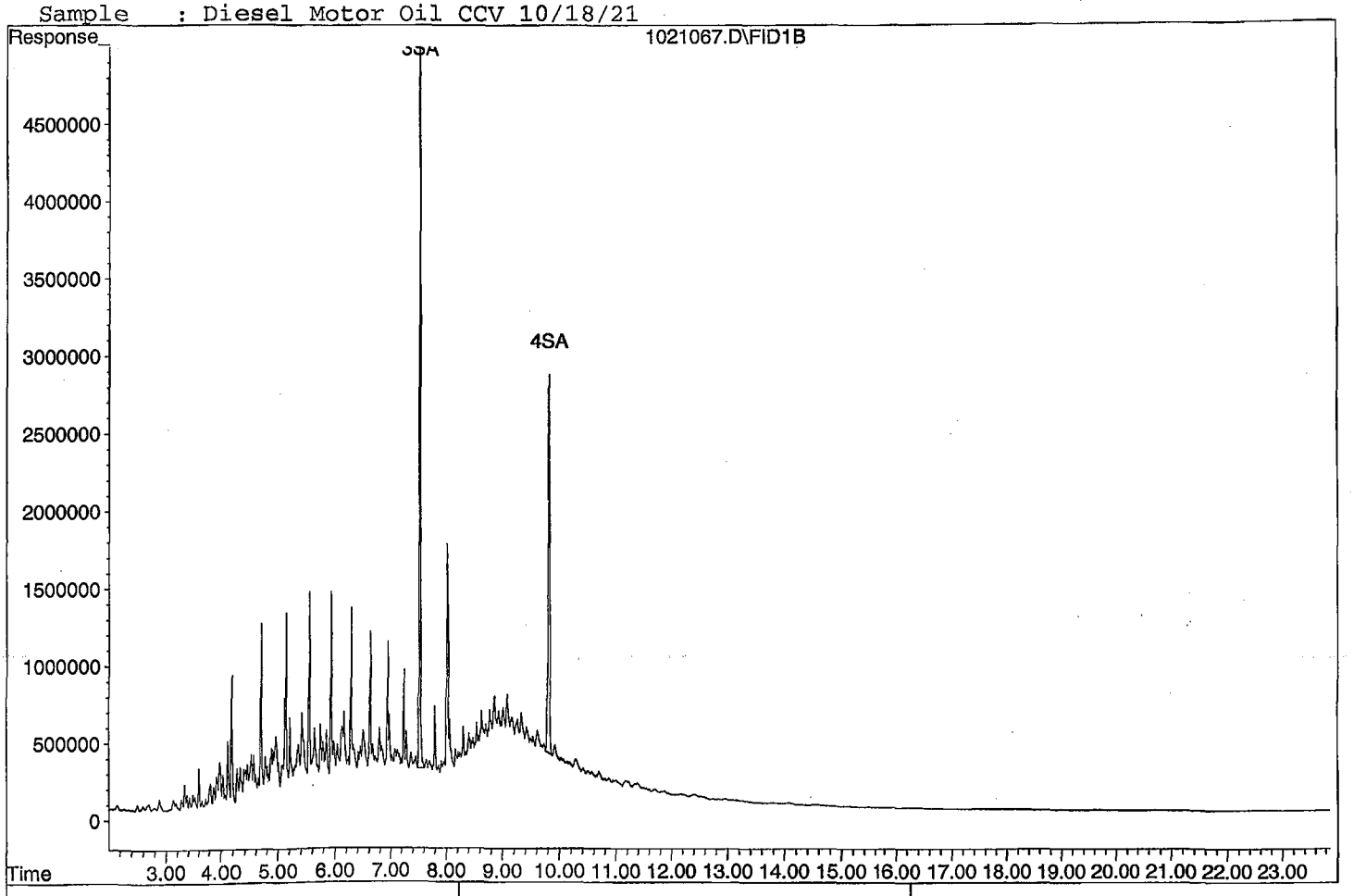
Method : G:\APOLLO\DATA\210911\DOC0830.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Oct 14 18:06:15 2021
Response via : Multiple Level Calibration

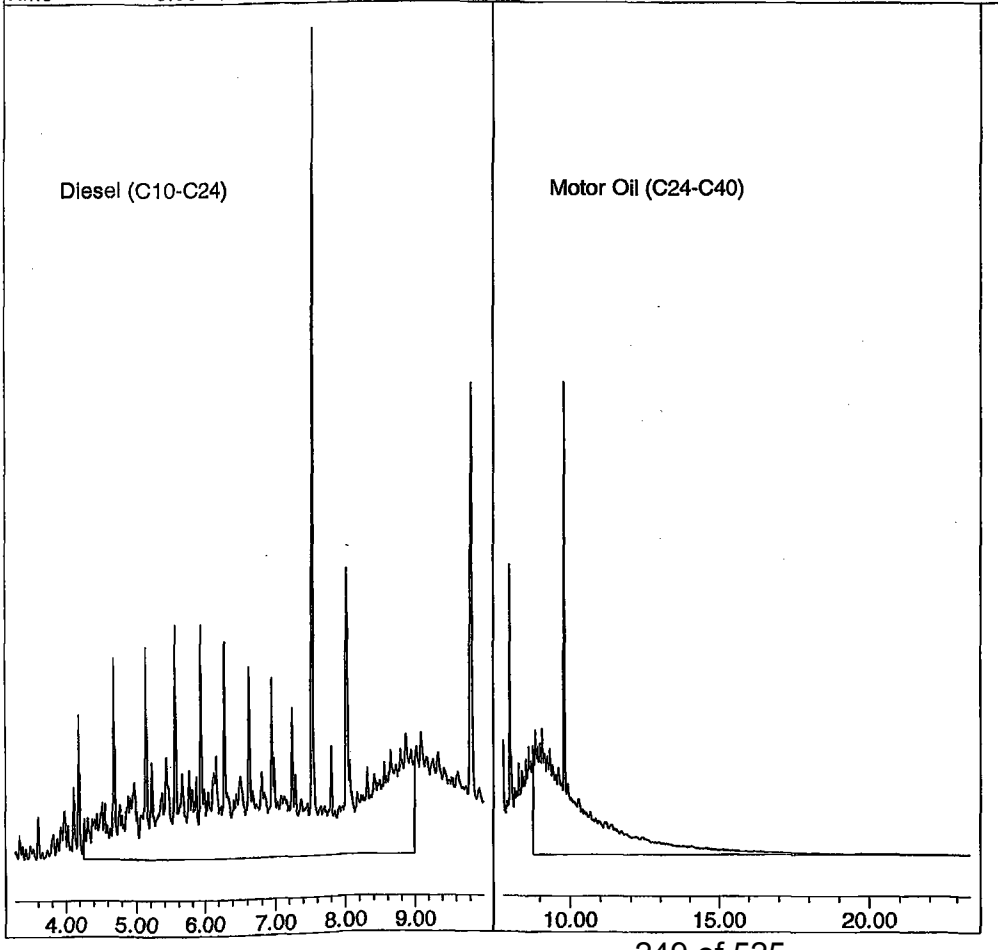
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.52	67441412	13.016 ppb
Surrogate Spike 30.000		Recovery =	43.39%
4) SA Octacosane(S)	9.81	48980936	12.713 ppb
Surrogate Spike 30.000		Recovery =	42.38%
Target Compounds			
1) HATM Diesel (C10-C24)	6.63	1043784617	258.414 ppb
2) HBTM Motor Oil (C24-C40)	15.62	767313150	251.281 ppb
Target Compounds			

(f)=RT Delta > 1/2 Window (m)=manual int.
1021067.D DOC0830.M Mon Oct 25 08:23:45 2021 Page 1

Data File: G:\APOLLO\DATA\211021\1021067.D
Sample : Diesel Motor Oil CCV 10/18/21





TPH Extractables
DOC0831

Form 7

Continuing Calibration

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

SDG No:
Date Analyzed: 10/23/2021
Instrument: Apollo
Initial Cal. Date: 8/30/2021
Data File: 1021081.D

		Compound	MEAN	CCRF	%D		%Drift
1	HATM	Diesel (C10-C24)	2019600	2073330	2.7	HATM	
2	HBTM	Motor Oil (C24-C40)	2035830	1517330	25	HBTML	0.66
3	SA	Ortho-Terphenyl(S)	2590720	2683270	3.6	SA	
4	SA	Octacosane(S)	1926380	1944260	0.93	SA	
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		Average			8.1		

Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\211021\1021081.D Vial: 81
Acq On : 10-23-21 1:48:43 Operator: KA
Sample : Diesel Motor Oil CCV 10/18/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 23 12:54 2021 Quant Results File: DOC0830.RES

Method : G:\APOLLO\DATA\210911\DOC0830.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Oct 14 18:06:15 2021
Response via : Multiple Level Calibration

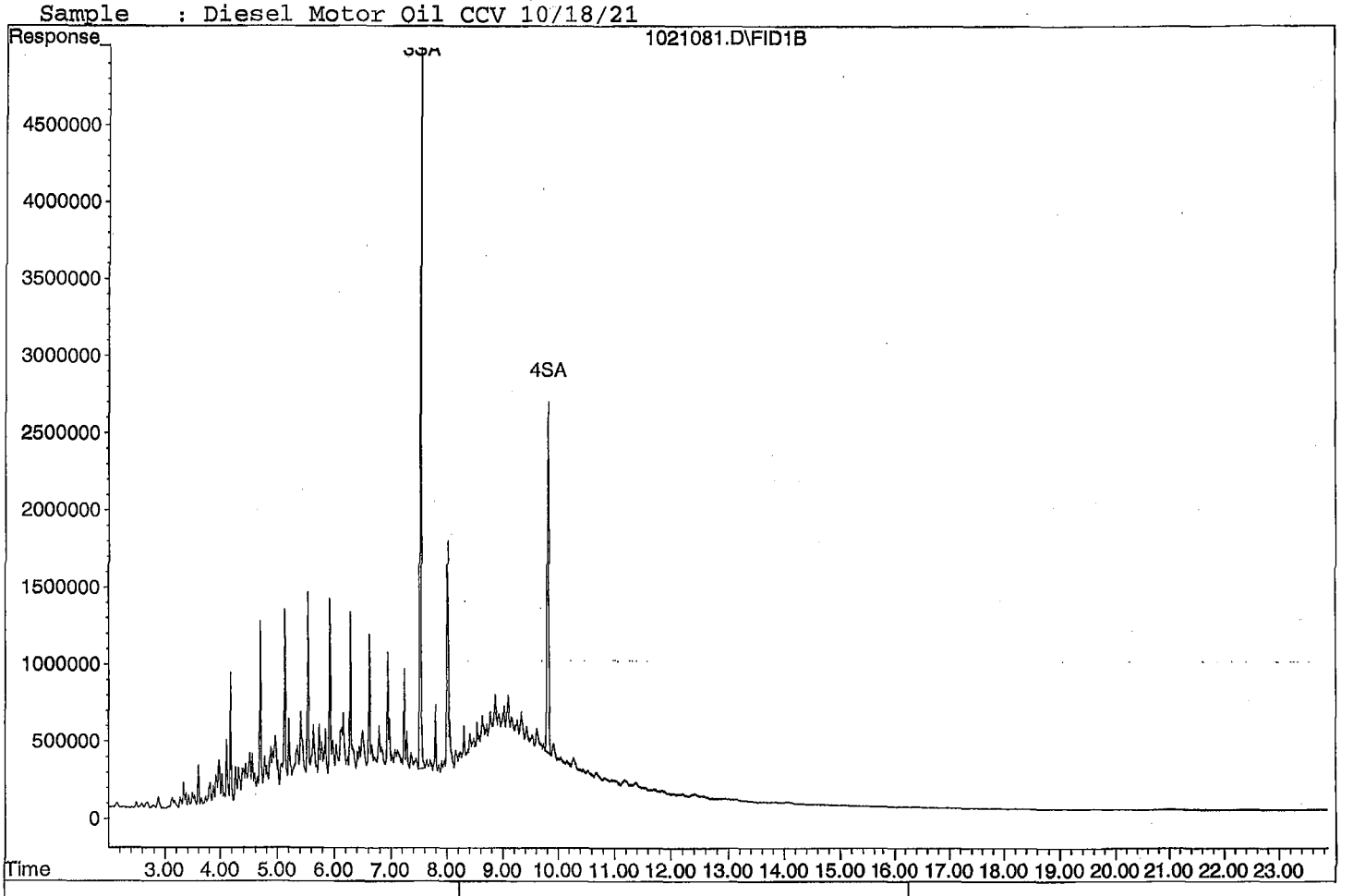
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

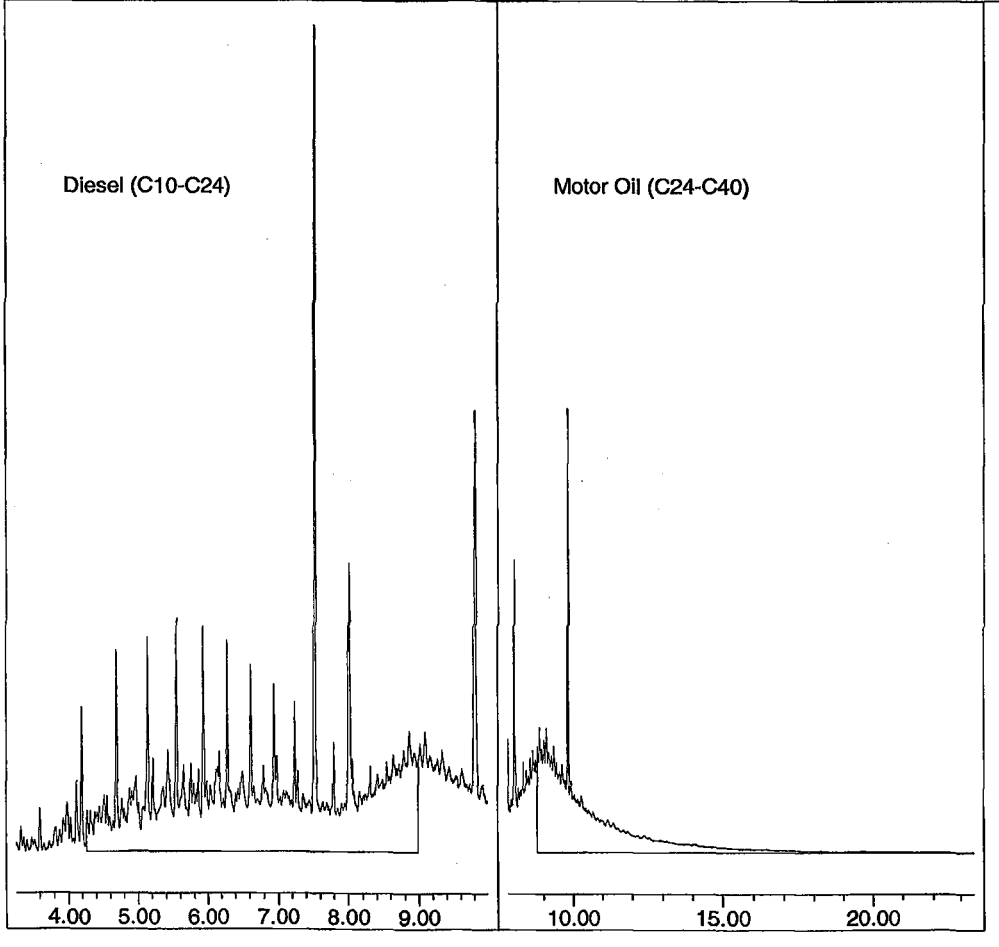
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.52	67081735	12.947 ppb
Surrogate Spike 30.000		Recovery =	43.16%
4) SA Octacosane(S)	9.81	48606402	12.616 ppb
Surrogate Spike 30.000		Recovery =	42.05%
Target Compounds			
1) HATM Diesel (C10-C24)	6.63	1036665173	256.652 ppb
2) HBTM Motor Oil (C24-C40)	15.62	758664870	248.357 ppb

Target Compounds

(f)=RT Delta > 1/2 Window (m)=manual int.
1021081.D DOC0830.M Mon Oct 25 08:24:17 2021 Page 1

Data File: G:\APOLLO\DATA\211021\1021081.D
Sample : Diesel Motor Oil CCV 10/18/21





TPH Extractables
DOC0831

Form 7

Continuing Calibration

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

SDG No:
Date Analyzed: 10/23/2021
Instrument: Apollo
Initial Cal. Date: 8/30/2021
Data File: 1021092.D

		Compound	MEAN	CCRF	%D		%Drift
1	HATM	Diesel (C10-C24)	2019600	2125550	5.2	HATM	
2	HBTM	Motor Oil (C24-C40)	2035830	1552300	24	HBTML	1.7
3	SA	Ortho-Terphenyl(S)	2590720	2675000	3.3	SA	
4	SA	Octacosane(S)	1926380	1962450	1.9	SA	
5							
6							
7							
8							
9							
10							
11							
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28							
29							
30							
31							
32							
33							
34							
35							
36							
37							
38							
39							
40							
		Average			8.6		

Data File : G:\APOLLO\DATA\211021\1021092.D Vial: 92
Acq On : 10-23-21 6:57:57 Operator: KA
Sample : Diesel Motor Oil CCV 10/18/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 23 12:55 2021 Quant Results File: DOC0830.RES

Method : G:\APOLLO\DATA\210911\DOC0830.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Oct 14 18:06:15 2021
Response via : Multiple Level Calibration

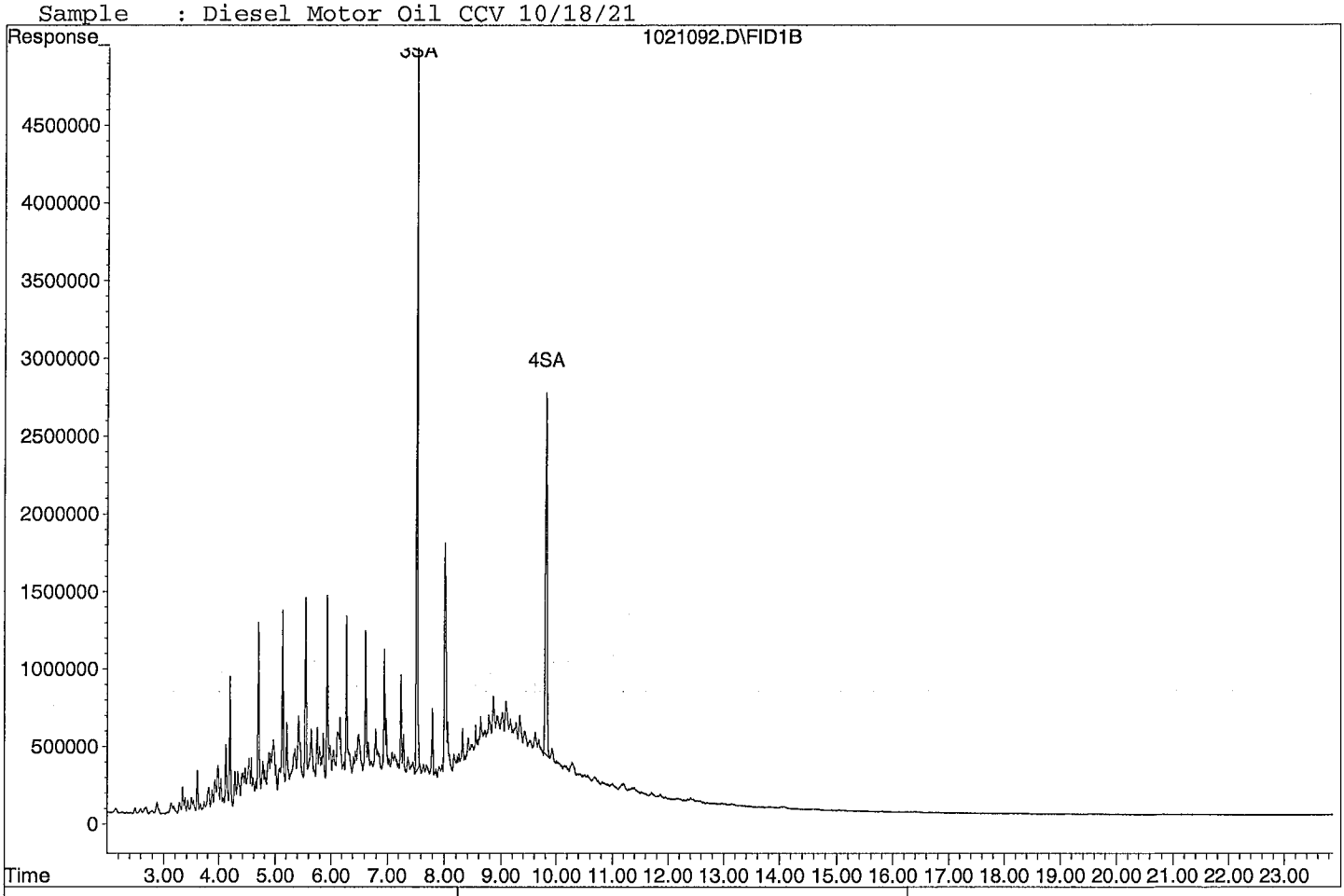
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

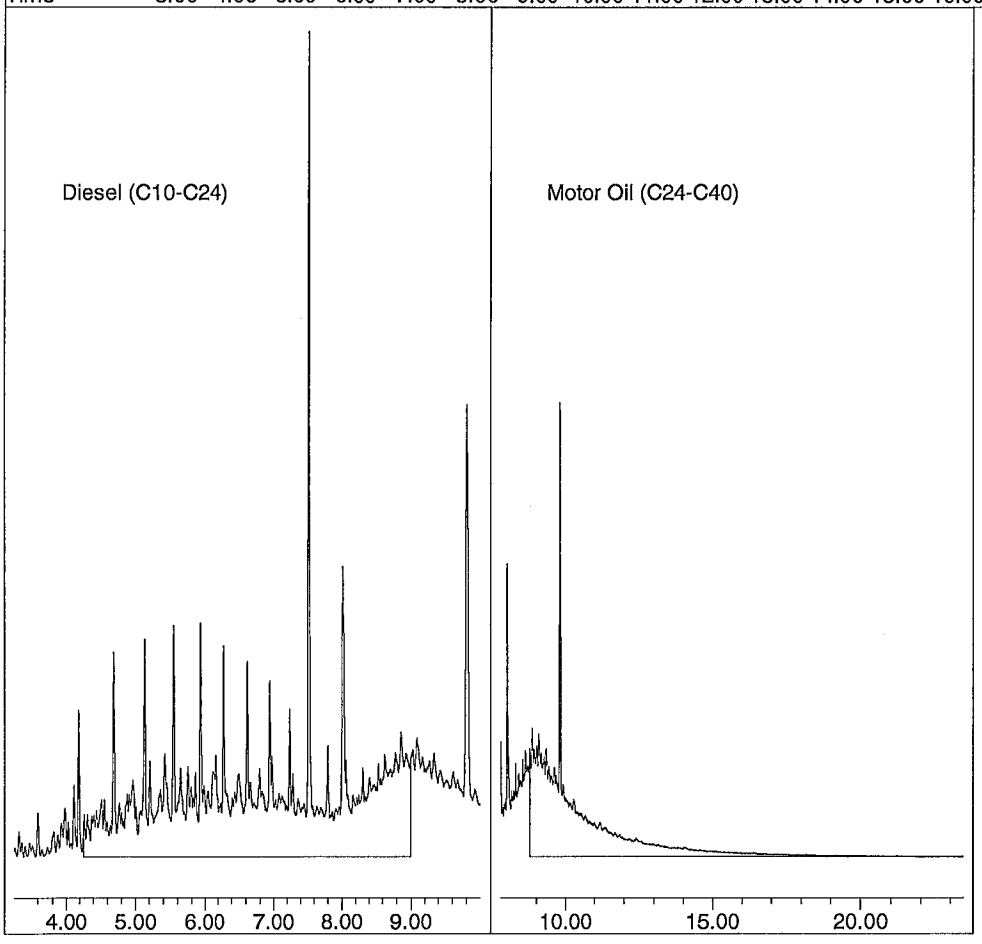
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.52	66874925	12.907 ppb
Surrogate Spike 30.000	Recovery =		43.02%
4) SA Octacosane(S)	9.81	49061190	12.734 ppb
Surrogate Spike 30.000	Recovery =		42.45%
Target Compounds			
1) HATM Diesel (C10-C24)	6.63	1062775420	263.116 ppb
2) HBTM Motor Oil (C24-C40)	15.62	776149079	254.267 ppb

Target Compounds

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

Data File: G:\APOLLO\DATA\211021\1021092.D
Sample : Diesel Motor Oil CCV 10/18/21





ORGANICS
Raw Data

Data File : G:\APOLLO\DATA\211021\1021079.D Vial: 79
Acq On : 10-23-21 0:52:23 Operator: KA
Sample : BA43152W01 5/1000 Inst : Apollo
Misc : water Multiplr: 5.00
IntFile : events.e
Quant Time: Oct 25 7:32 2021 Quant Results File: DOC0830.RES

Method : G:\APOLLO\DATA\210911\DOC0830.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Oct 14 18:06:15 2021
Response via : Multiple Level Calibration

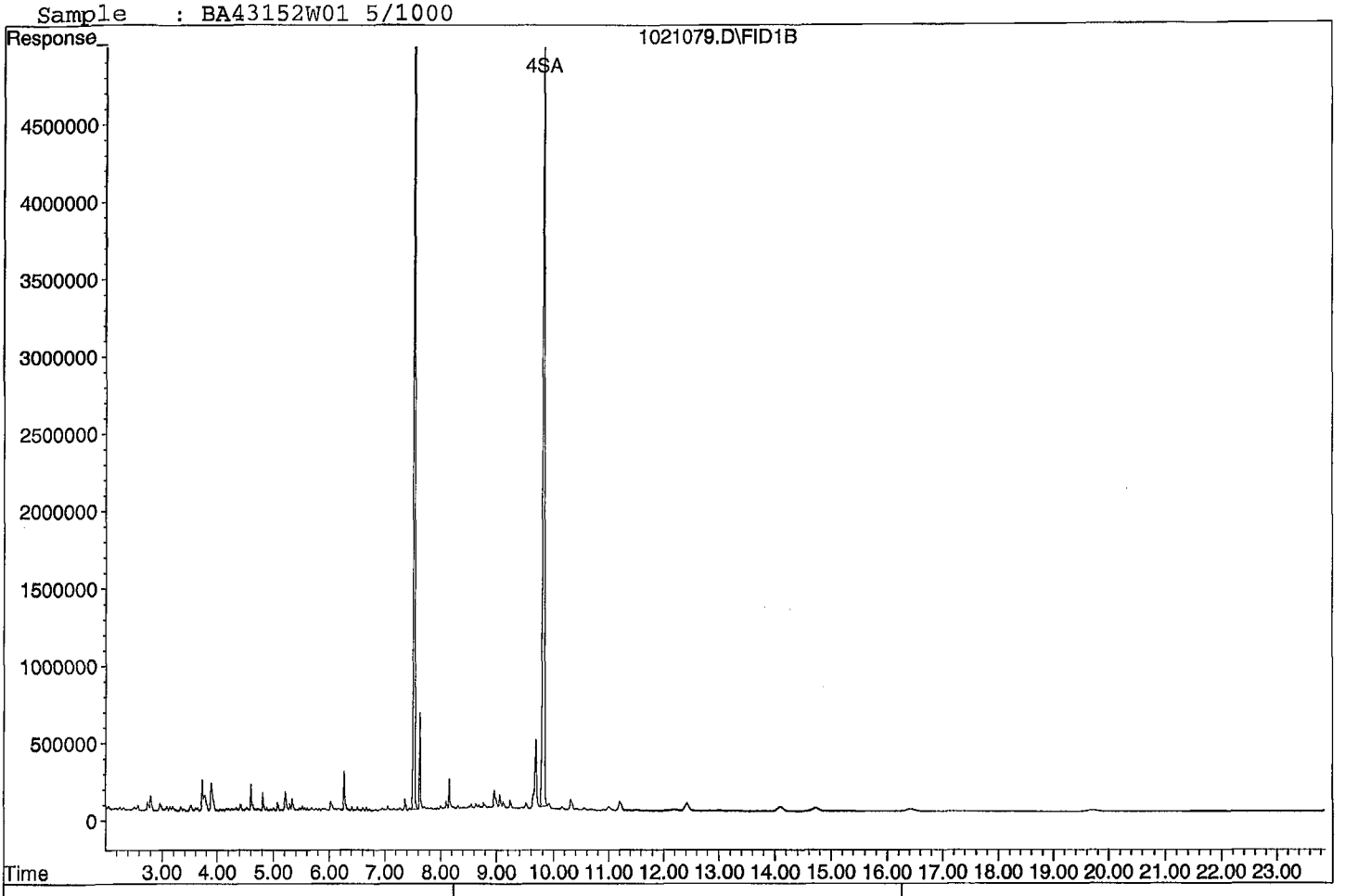
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

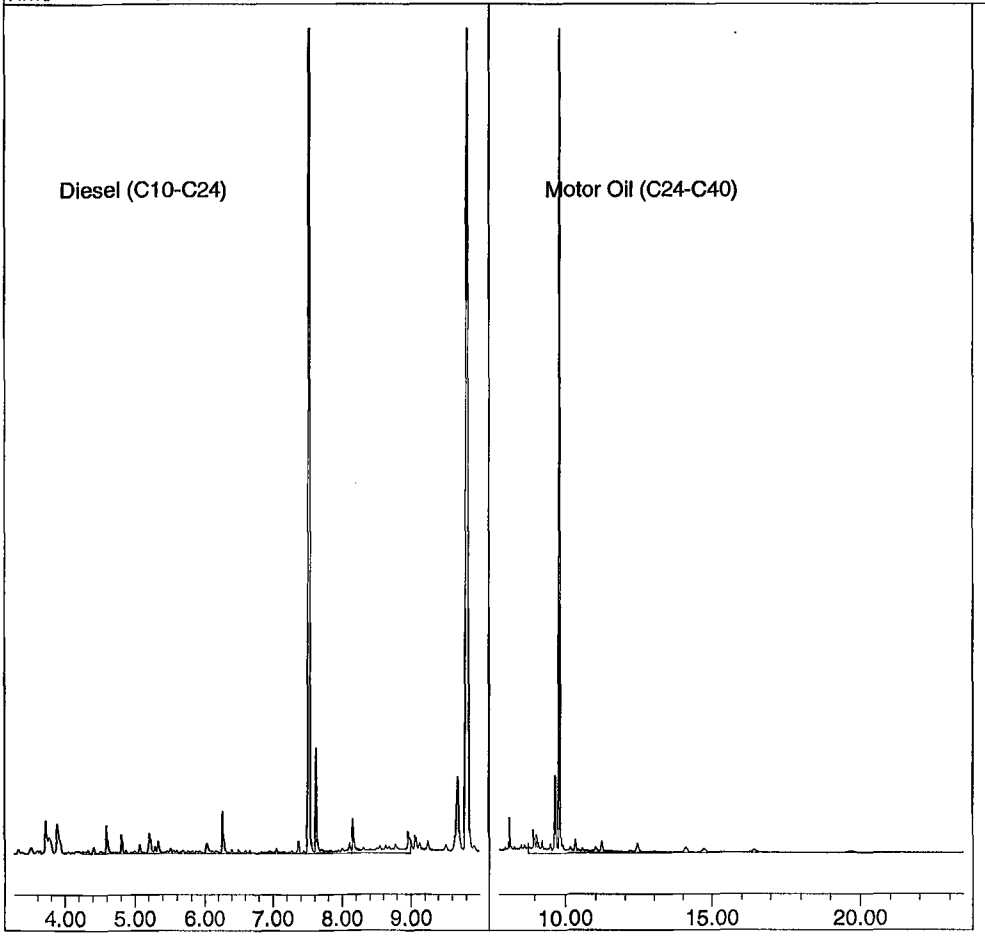
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.52	124530449	120.170 ppb
Surrogate Spike 150.000		Recovery =	80.11%
4) SA Octacosane(S)	9.81	110525849	143.437 ppb
Surrogate Spike 150.000		Recovery =	95.62%
Target Compounds			
1) HATM Diesel (C10-C24)	6.63	62167276	76.955 ppb
2) HBTM Motor Oil (C24-C40)	15.62	88490554	109.178 ppb

Target Compounds

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

Data File: G:\APOLLO\DATA\211021\1021079.D
Sample : BA43152W01 5/1000





Data File : G:\APOLLO\DATA\211021\1021080.D Vial: 80
Acq On : 10-23-21 1:20:34 Operator: KA
Sample : BA43153WQ1 5/1000 Inst : Apollo
Misc : water Multiplr: 5.00
IntFile : events.e
Quant Time: Oct 25 7:32 2021 Quant Results File: DOC0830.RES

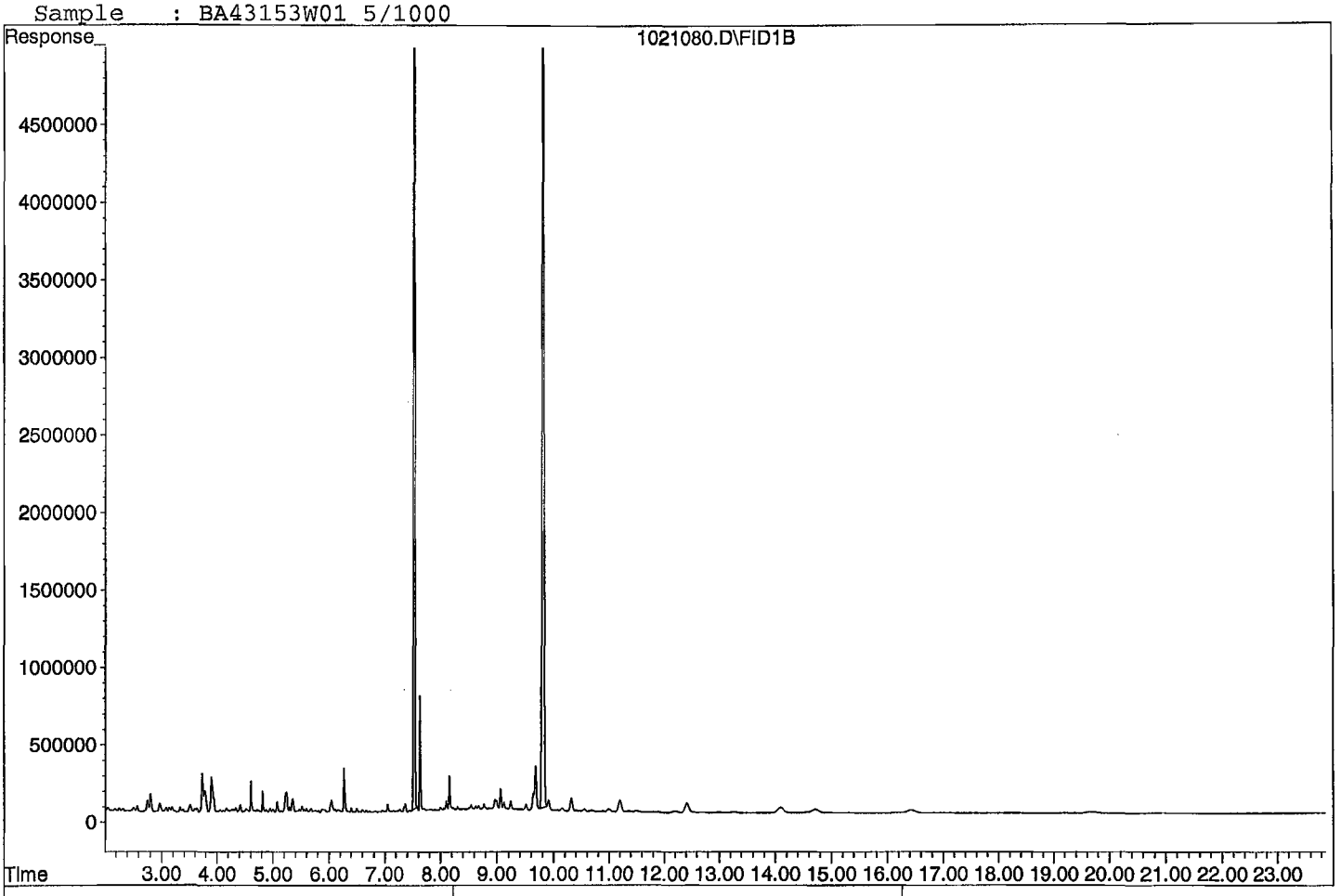
Method : G:\APOLLO\DATA\210911\DOC0830.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Oct 14 18:06:15 2021
Response via : Multiple Level Calibration

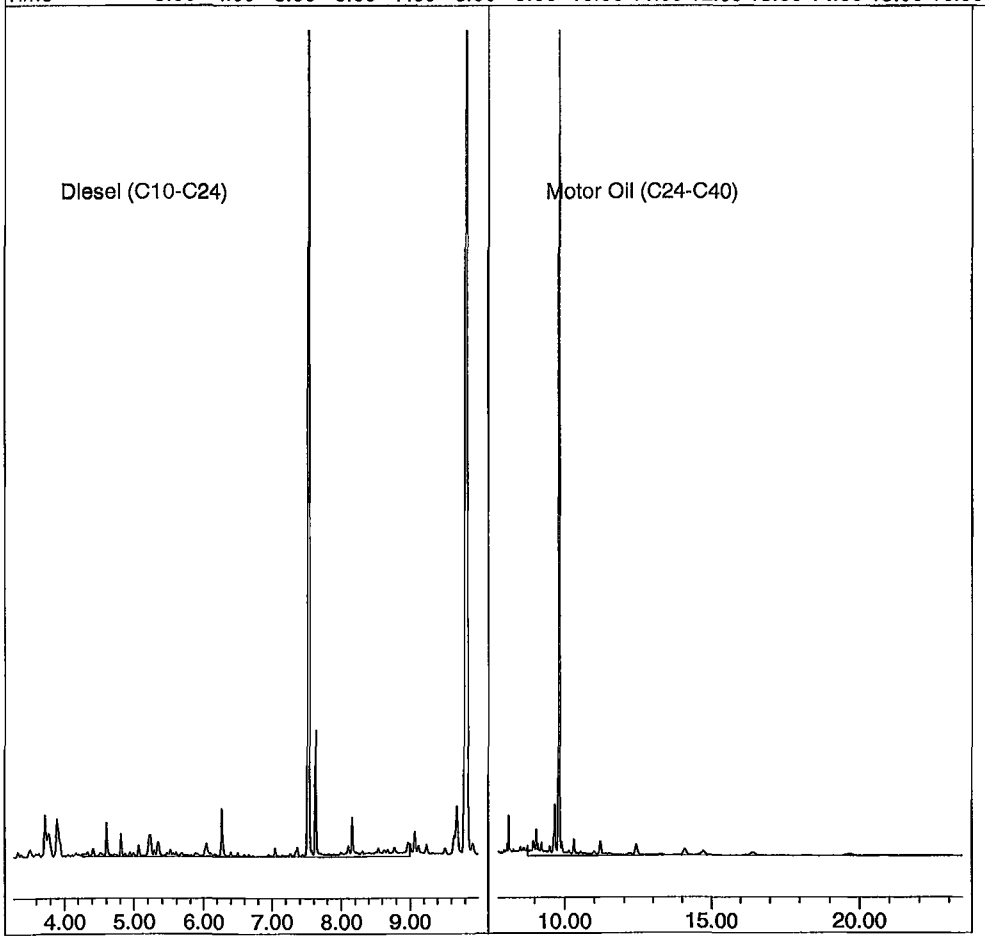
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.52	143058322	138.049 ppb
Surrogate Spike 150.000		Recovery =	92.03%
4) SA Octacosane(S)	9.81	127880628	165.960 ppb
Surrogate Spike 150.000		Recovery =	110.64%
Target Compounds			
1) HATM Diesel (C10-C24)	6.63	72209782	89.386 ppb
2) HBTM Motor Oil (C24-C40)	15.62	94828506	119.889 ppb
Target Compounds			

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

Data File: G:\APOLLO\DATA\211021\1021080.D
Sample : BA43153W01 5/1000





Data File : G:\APOLLO\DATA\211021\1021082.D Vial: 82
Acq On : 10-23-21 2:16:49 Operator: KA
Sample : BA43154W01 5/1000 Inst : Apollo
Misc : water Multiplr: 5.00
IntFile : events.e
Quant Time: Oct 25 7:32 2021 Quant Results File: DOC0830.RES

Method : G:\APOLLO\DATA\210911\DOC0830.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Oct 14 18:06:15 2021
Response via : Multiple Level Calibration

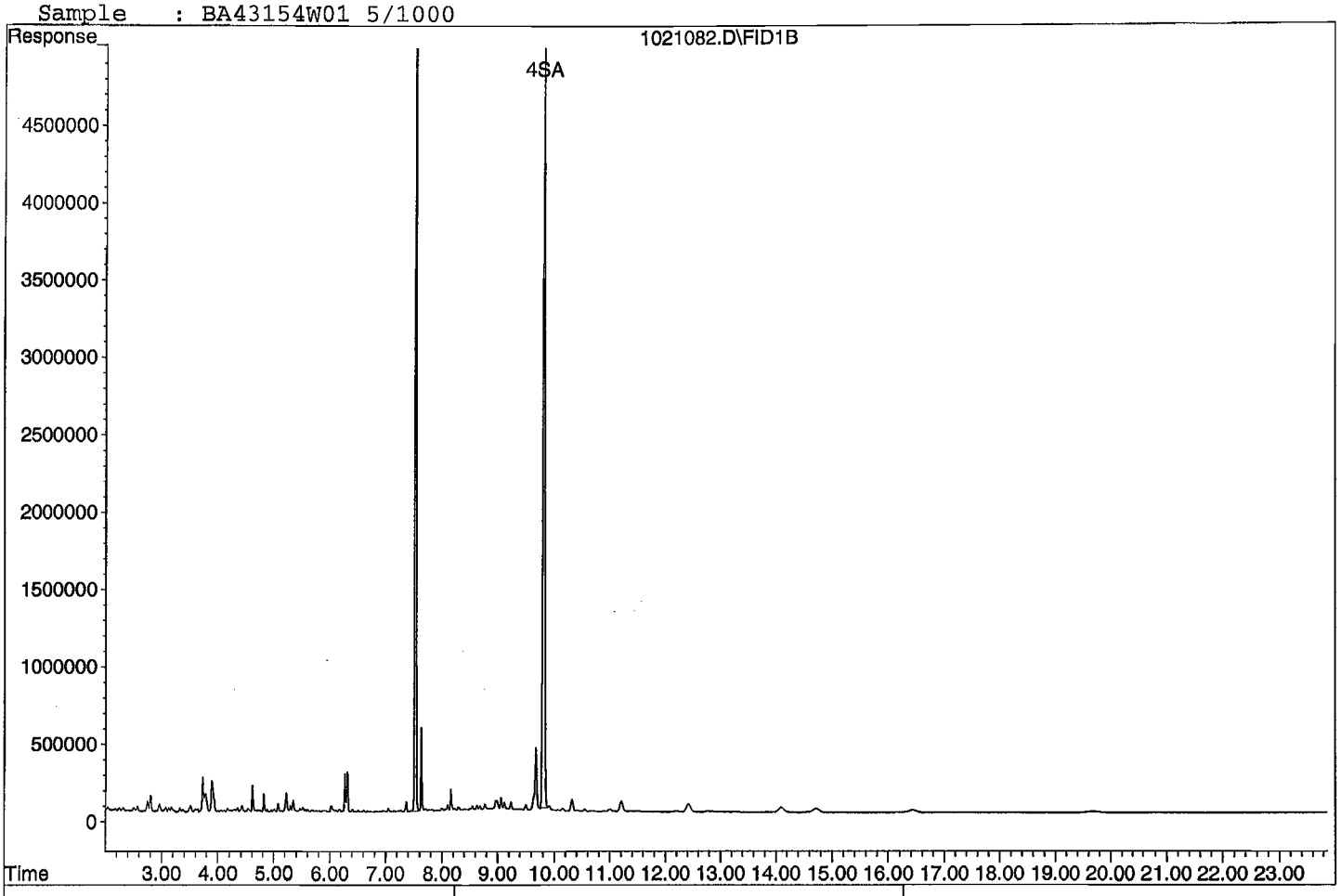
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

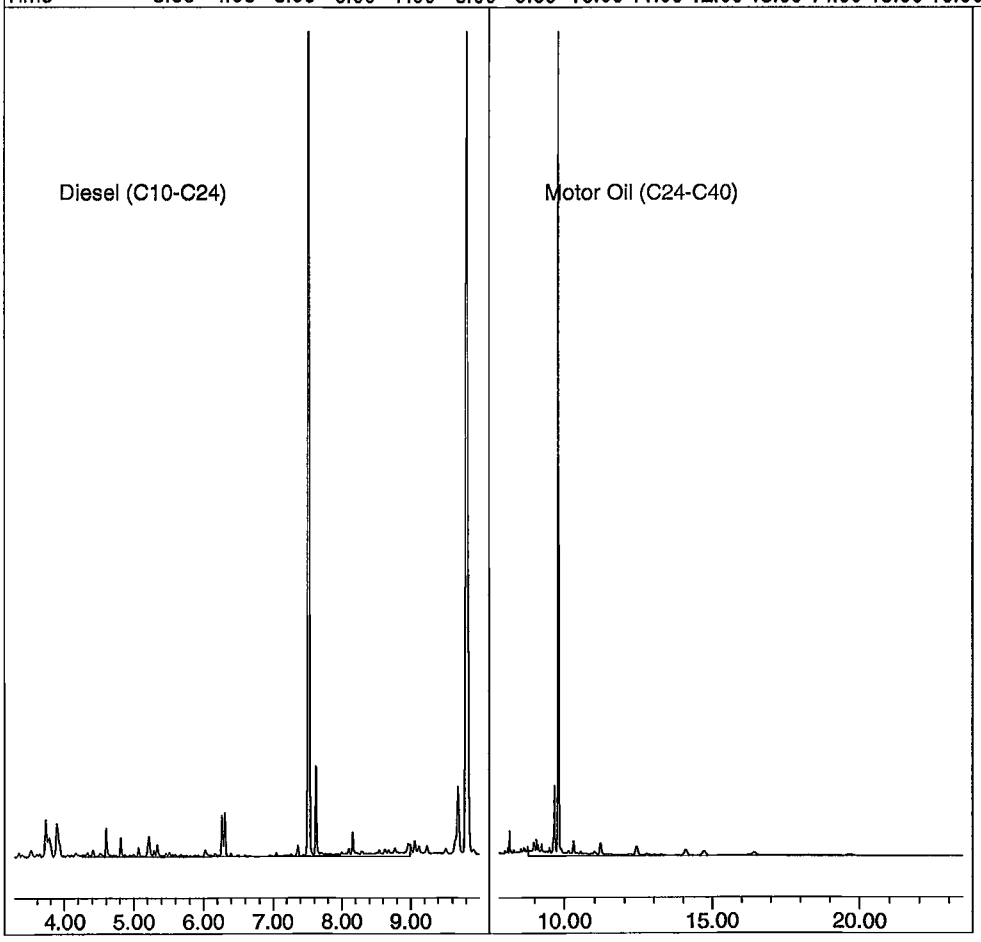
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.52	125293646	120.906 ppb
Surrogate Spike 150.000		Recovery =	80.60%
4) SA Octacosane(S)	9.81	110935432	143.969 ppb
Surrogate Spike 150.000		Recovery =	95.98%
Target Compounds			
1) HATM Diesel (C10-C24)	6.63	57493875	71.170 ppb
2) HBTM Motor Oil (C24-C40)	15.62	87623646	107.713 ppb

Target Compounds

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

Data File: G:\APOLLO\DATA\211021\1021082.D
Sample : BA43154W01 5/1000





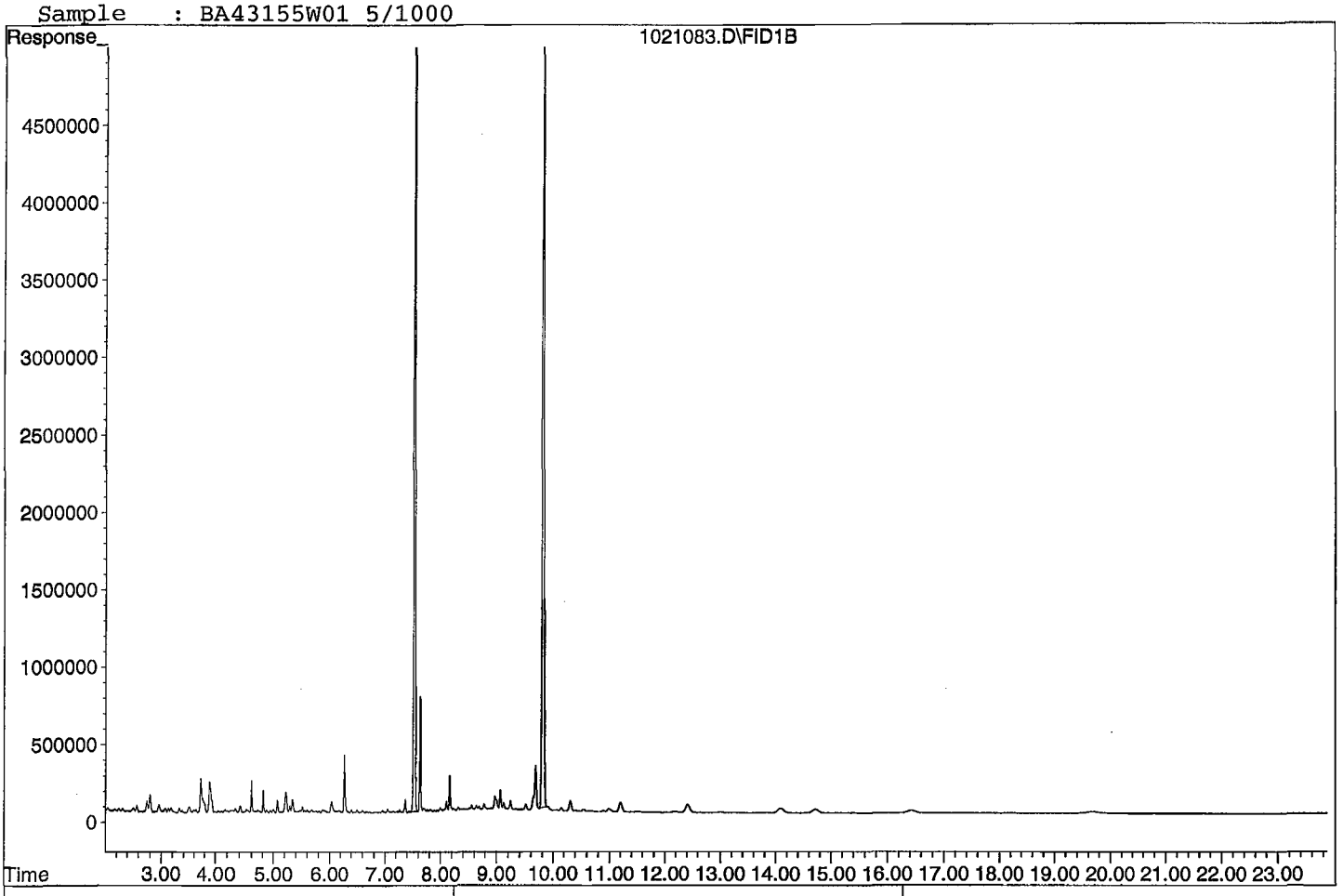
Data File : G:\APOLLO\DATA\211021\1021083.D Vial: 83
Acq On : 10-23-21 2:44:59 Operator: KA
Sample : BA43155W01 5/1000 Inst : Apollo
Misc : water Multiplr: 5.00
IntFile : events.e
Quant Time: Oct 25 7:32 2021 Quant Results File: DOC0830.RES

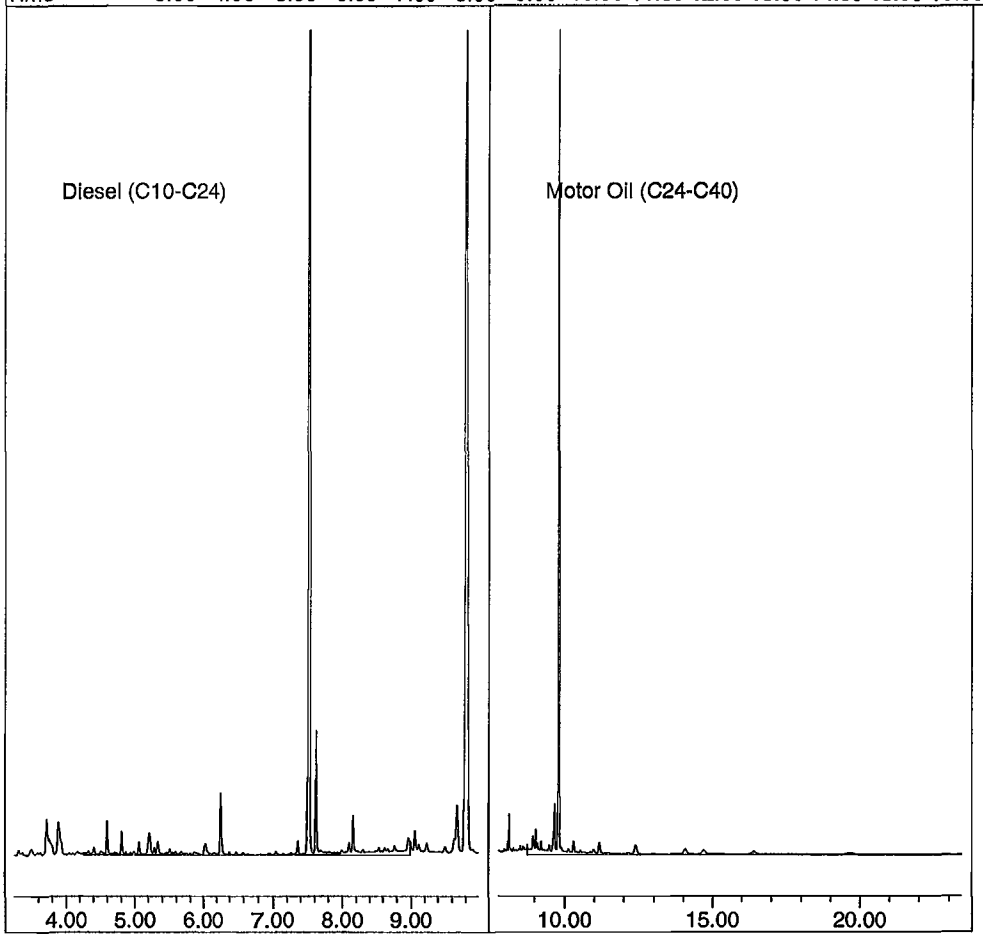
Method : G:\APOLLO\DATA\210911\DOC0830.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Oct 14 18:06:15 2021
Response via : Multiple Level Calibration

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

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.52	137246437	132.441 ppb
Surrogate Spike 150.000		Recovery =	88.29%
4) SA Octacosane(S)	9.81	121593847	157.801 ppb
Surrogate Spike 150.000		Recovery =	105.20%
Target Compounds			
1) HATM Diesel (C10-C24)	6.63	67106523	83.069 ppb
2) HBTM Motor Oil (C24-C40)	15.62	91509195	114.280 ppb
Target Compounds			

Data File: G:\APOLLO\DATA\211021\1021083.D
Sample : BA43155W01 5/1000





Quantitation Report (QT Reviewed)

Data File : G:\APOLLO\DATA\211021\1021073.D Vial: 73
Acq On : 10-22-21 22:03:24 Operator: KA
Sample : 211015A BLK 5/1000 Inst : Apollo
Misc : water Multiplr: 5.00
IntFile : events.e
Quant Time: Oct 25 7:35 2021 Quant Results File: DOC0830.RES

Method : G:\APOLLO\DATA\210911\DOC0830.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Oct 14 18:06:15 2021
Response via : Multiple Level Calibration

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

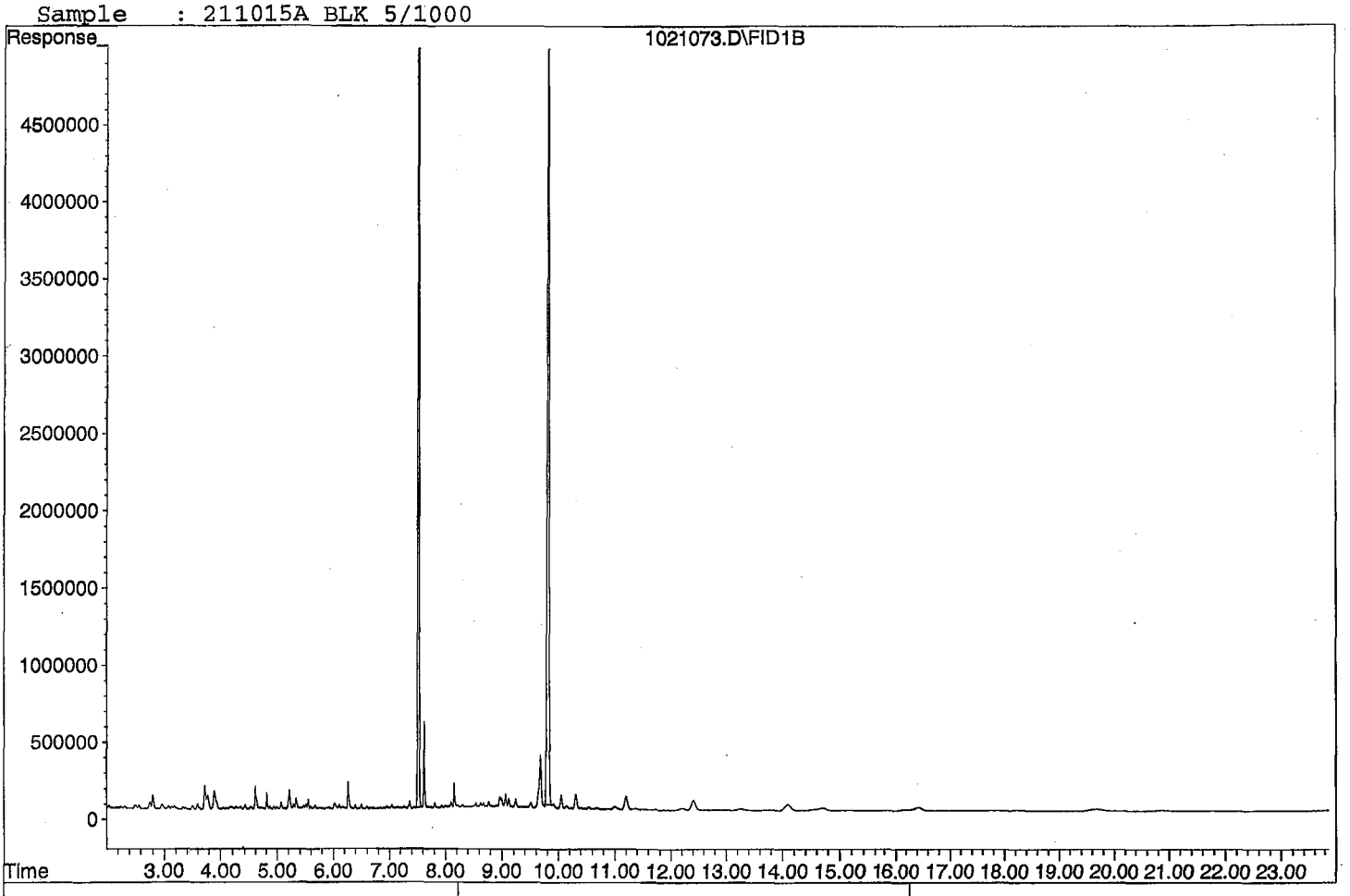
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.52	134827343	130.106 ppb
Surrogate Spike 150.000		Recovery =	86.74%
4) SA Octacosane(S)	9.81	120144792	155.921 ppb
Surrogate Spike 150.000		Recovery =	103.95%
Target Compounds			
1) HATM Diesel (C10-C24)	6.63	56243545	69.622 ppb
2) HBTM Motor Oil (C24-C40)	15.62	94764691	119.782 ppb

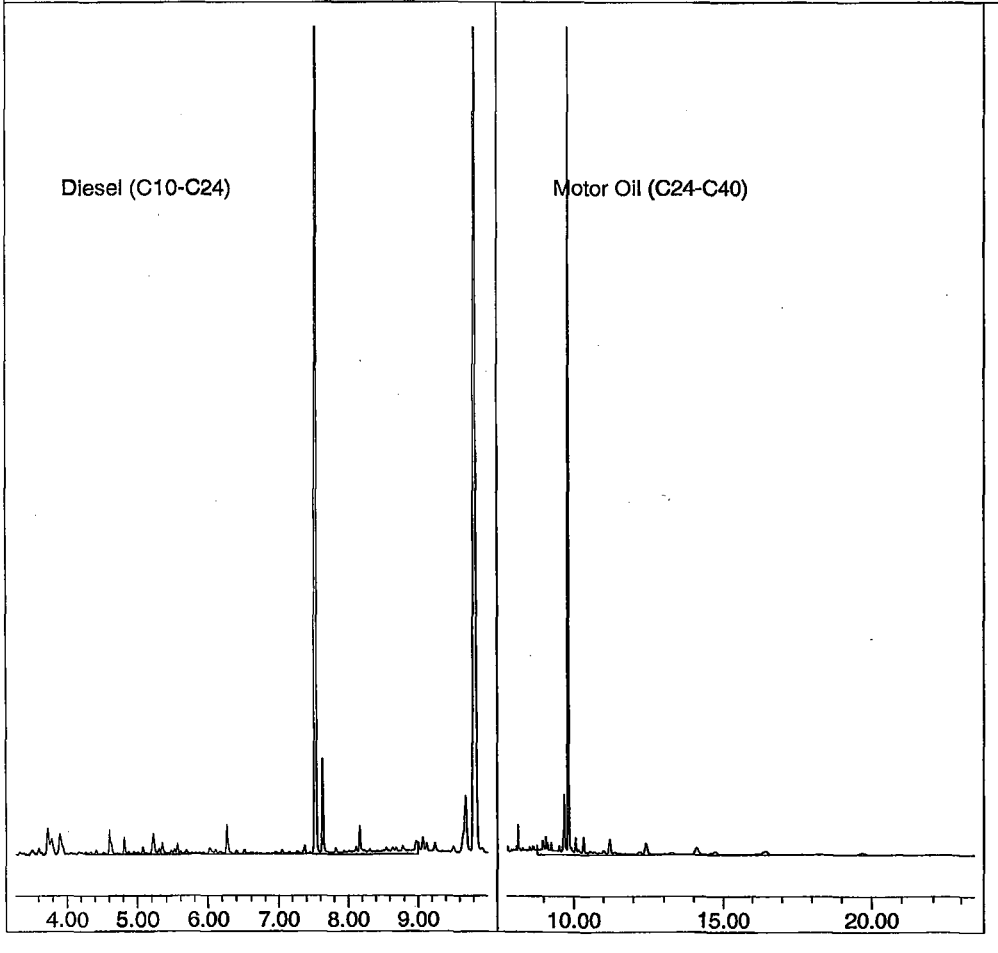
Target Compounds

(f)=RT Delta > 1/2 Window

(m)=manual int.
1021073.D DOC0830.M Mon Oct 25 08:23:49 2021 Page 1

Data File: G:\APOLLO\DATA\211021\1021073.D
Sample : 211015A BLK 5/1000





Quantitation Report (QT Reviewed)

Data File : G:\APOLLO\DATA\211021\1021074.D
Acq On : 10-22-21 22:31:35
Sample : 211015A LCS-1 5/1000
Misc : water
IntFile : events.e
Quant Time: Oct 25 7:32 2021 Quant Results File: DOC0830.RES

Vial: 74
Operator: KA
Inst : Apollo
Multiplr: 5.00

Method : G:\APOLLO\DATA\210911\DOC0830.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Oct 14 18:06:15 2021
Response via : Multiple Level Calibration

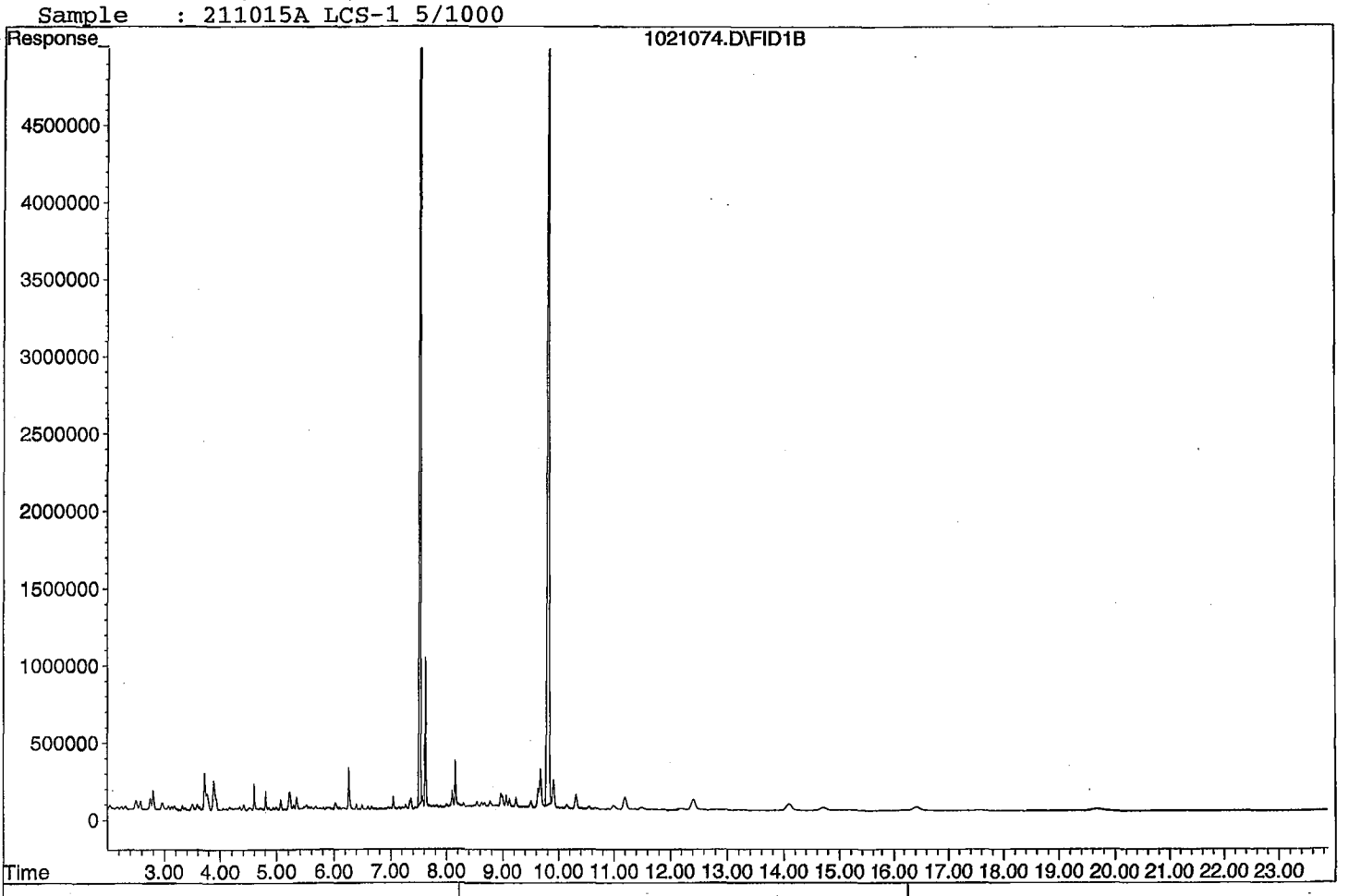
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

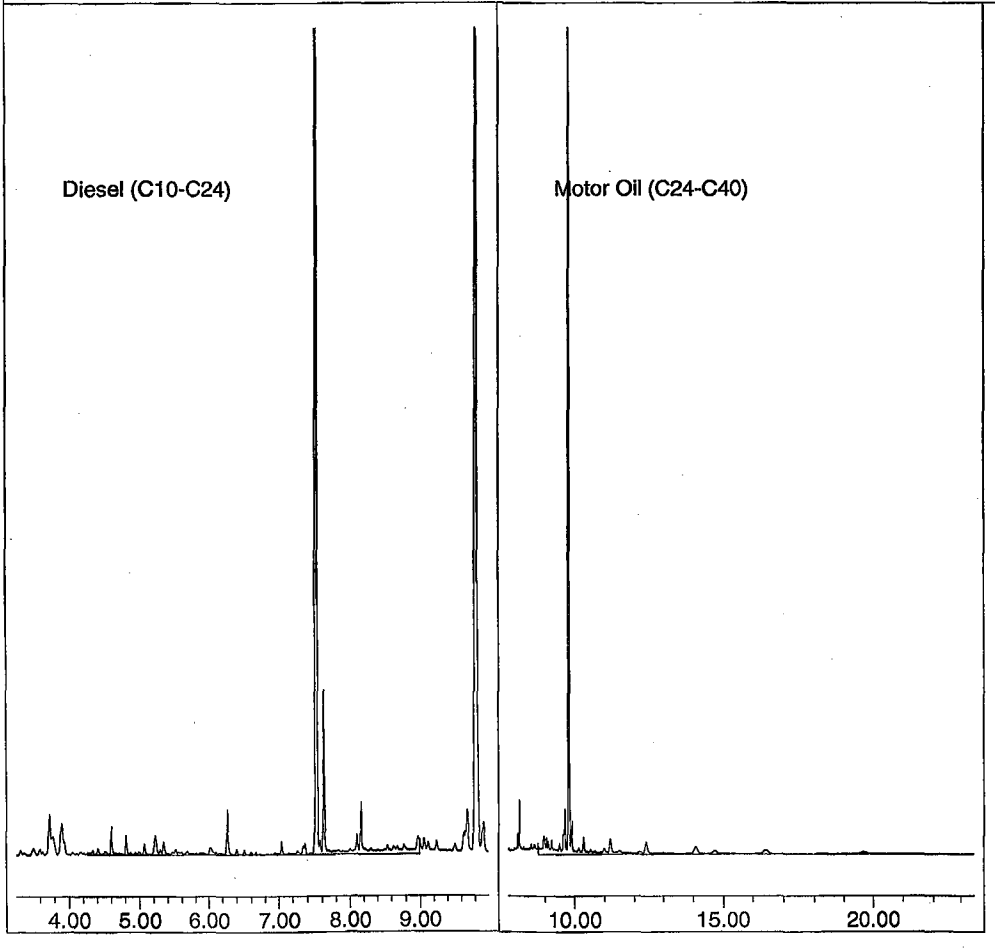
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.52	135468754	130.725 ppb
Surrogate Spike 150.000		Recovery =	87.15%
4) SA Octacosane(S)	9.81	120932384	156.943 ppb
Surrogate Spike 150.000		Recovery =	104.63%
Target Compounds			
1) HATM Diesel (C10-C24)	6.63	75757672	93.778 ppb
2) HBTM Motor Oil (C24-C40)	15.62	102612490	133.045 ppb
Target Compounds			

Diesel:

$$\frac{(75757672)(5)}{(2019597)(2)} = \frac{378788360}{4039194} = \boxed{93.778}$$

Data File: G:\APOLLO\DATA\211021\1021074.D
Sample : 211015A LCS-1 5/1000





Data File : G:\APOLLO\DATA\211021\1021075.D Vial: 75
Acq On : 10-22-21 22:59:45 Operator: KA
Sample : 211015A LCSD-1 5/1000 Inst : Apollo
Misc : water Multiplr: 5.00
IntFile : events.e
Quant Time: Oct 25 7:35 2021 Quant Results File: DOC0830.RES

Method : G:\APOLLO\DATA\210911\DOC0830.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Oct 14 18:06:15 2021
Response via : Multiple Level Calibration

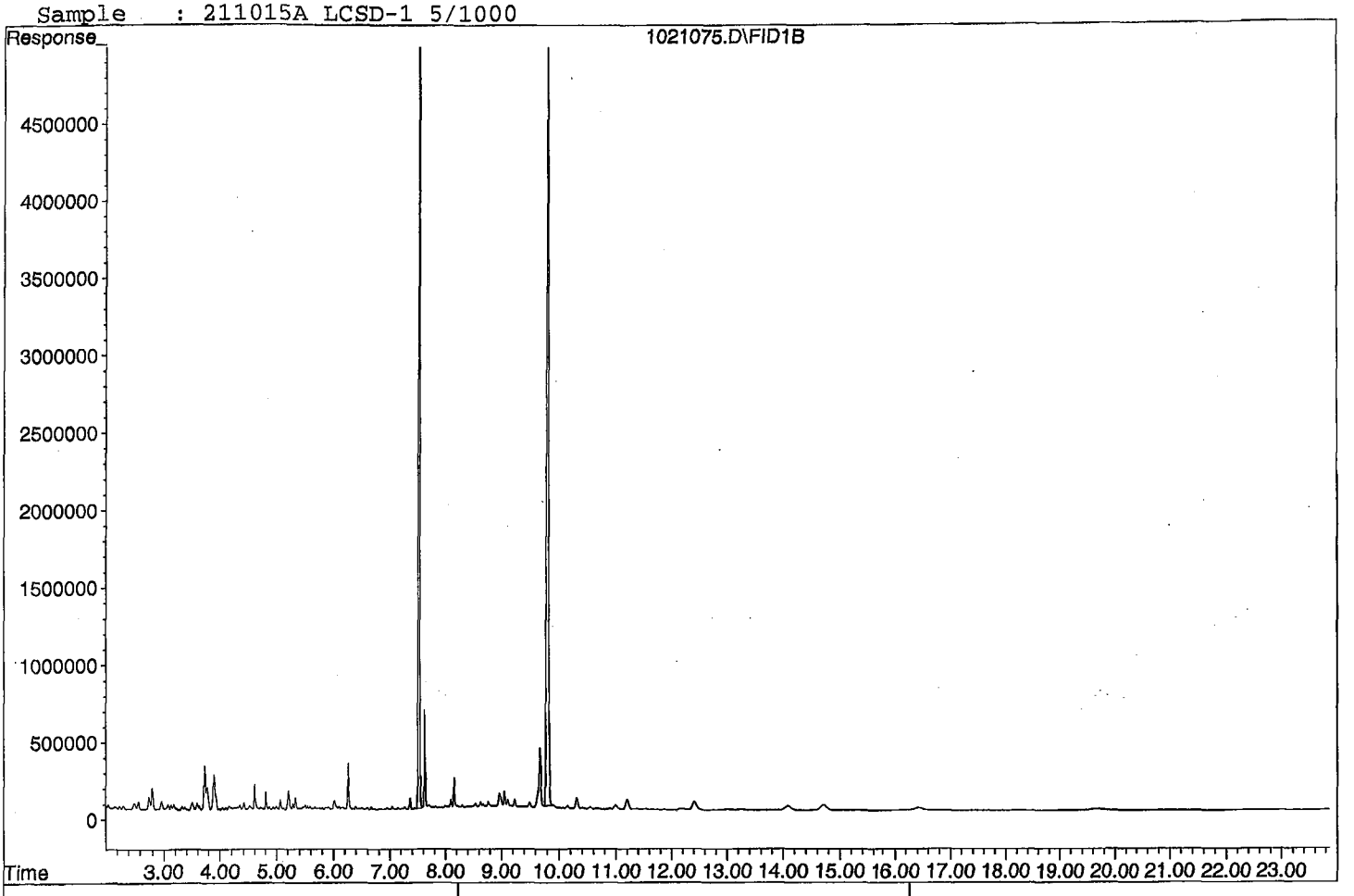
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

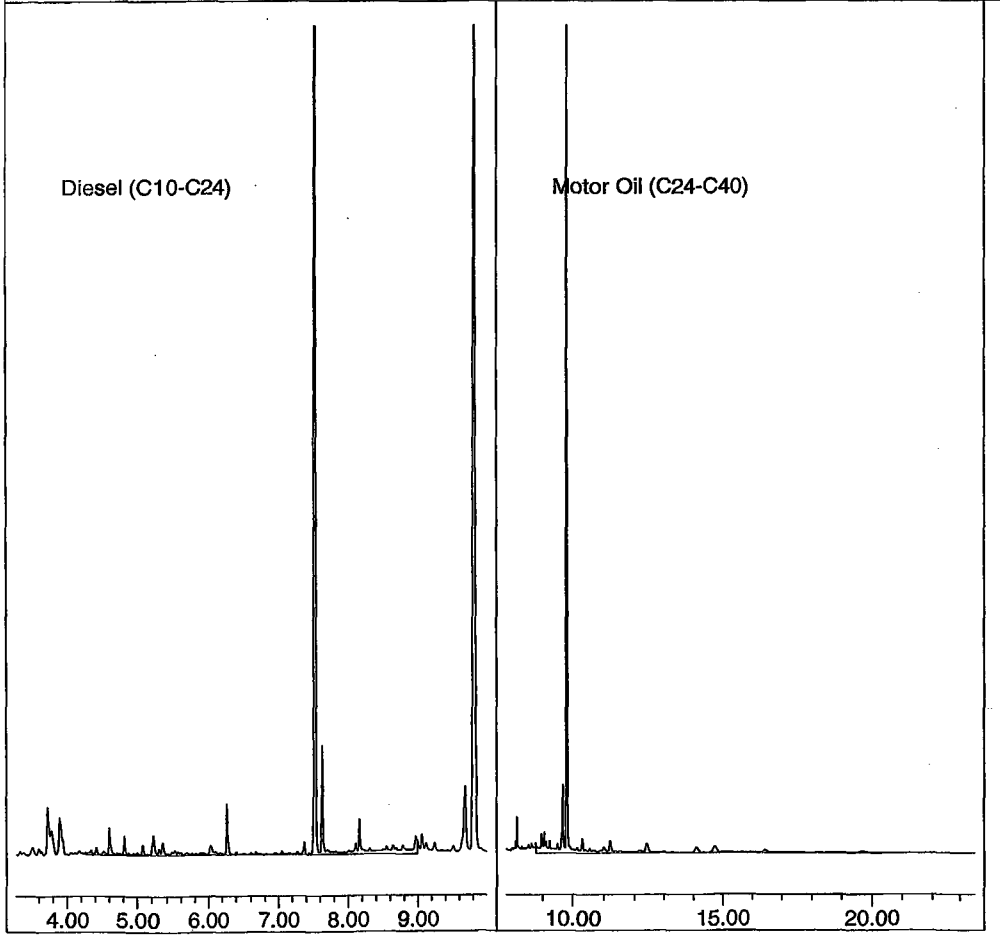
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.52	131801855	127.187 ppb
Surrogate Spike 150.000		Recovery =	84.79%
4) SA Octacosane(S)	9.81	117456300	152.432 ppb
Surrogate Spike 150.000		Recovery =	101.62%
Target Compounds			
1) HATM Diesel (C10-C24)	6.63	62503080	77.371 ppb
2) HBTM Motor Oil (C24-C40)	15.62	91683079	114.574 ppb

Target Compounds

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

Data File: G:\APOLLO\DATA\211021\1021075.D
Sample : 211015A LCSD-1 5/1000





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: 10/18/2021
Expires: 5/31/2026
Methylene Chloride Lot No. 61117

Prepared By (Initials): KA

Initial Standard Information							Final Standard			
Name of Initial Standard (QAU Label)	Supplier	APPL Mix Name	Conc. (ug/mL)	Reference to APPL Prep Date and Lot #'s	Exp. Date	Exp. Date (Manufacturer)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/mL)
Diesel / Motor Oil STD	Restek	Diesel / Motor Oil CCV	2,000	**Perp'd: 10/06/21 A0164485-52822, A0168842-52820, A0166510-52817, CL16893-52835**	**9/17/2022**	**10/31/2027 12/31/2027 5/31/2026**	1250uL	10mL	MC	250

THC Surrogate

Prepared: 10/6/2021 **KA**

Expires: 5/31/2026

Initial Standard Information							Final Standard			
Name of Initial Standard (QAU Label)	Supplier	Supplier Part No.	Conc. (ug/mL)	Lot Number - QA Number	Exp. Date (1 yr.)	Exp. Date (Manufacturer)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc (ug/mL)
O-terphenyl / Octacosane Mix	Phenova	ALO-130161	600	**CL16893-52835**	**10/6/2021**	**5/31/2026**	N/A	N/A	N/A	600

Organic Extraction Worksheet

Method	Continuous Liq/Liq TPH-Diesel/MO 3520C	Extraction Set	211015A	Extraction Method	LIQ005	Units	mL

Spiked ID 1			Surrogate ID 1	THC Surrogate 10/06/21-10/06/22	
Spiked ID 2			Surrogate ID 2		
Spiked ID 3			Surrogate ID 3		
Spiked ID 4			Surrogate ID 4		
Spiked ID 5			Surrogate ID 5		
Spiked ID 6			Sufficient Vol for Matrix QC:	NO	
Spiked ID 7			Ext. Start Time:	10/15/21 11:14	
Spiked ID 8			Ext. End Time:	10/18/21 10:29	
			GC Requires Extract By:		

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

Spiked By: SR **Date** 10/15/2021 **Witnessed By:** CG **Date** 10/15/2021

	Sample	Sample Container	Spike Amount	Spike ID	Surrogate Amount	Surrogate ID	Extract Amount	Final Volume	pH	Extract Date/Time	Comments
1	211015A Blk				0.250	1 equip	1000	5	2	10/15/21 8:31	
2	211015A LCS-1				0.250	1 equip	1000	5	2	10/15/21 8:31	
3	211015A LCSD-1				0.250	1 equip	1000	5	2	10/15/21 8:31	
4	BA42998	BA42998W01			0.250	1 equip	1000	5	2	10/15/21 8:31	97833
5	BA42999	BA42999W01			0.250	1 equip	1000	5	2	10/15/21 8:31	97833
6	BA43000	BA43000W01			0.250	1 equip	1000	5	2	10/15/21 8:31	97833
7	BA43152	BA43152W01			0.250	1 equip	1000	5	2	10/15/21 10:45	97850
8	BA43153	BA43153W01			0.250	1 equip	1000	5	2	10/15/21 10:45	97850
9	BA43154	BA43154W01			0.250	1 equip	1000	5	2	10/15/21 10:45	97850
10	BA43155	BA43155W01			0.250	1 equip	1000	5	2	10/15/21 10:45	97850

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

Extraction COC Transfer	
Extraction lab employee Initials	
GC analyst's initials	CW
Date	10/20/21
Time	10:16
Refrigerator	Hobart

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

Modified	10/19/2021 7:36:19 AM

Reviewed By: **Date**

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	67	1021067.D	1	Diesel Motor Oil CCV 10/18/21	water	10-22-21 19:14:09
10	73	1021073.D	5	211015A BLK 5/1000	water	10-22-21 22:03:24
11	74	1021074.D	5	211015A LCS-1 5/1000	water	10-22-21 22:31:35
12	75	1021075.D	5	211015A LCSD-1 5/1000	water	10-22-21 22:59:45
13	79	1021079.D	5	BA43152W01 5/1000	water	10-23-21 0:52:23
14	80	1021080.D	5	BA43153W01 5/1000	water	10-23-21 1:20:34
15	81	1021081.D	1	Diesel Motor Oil CCV 10/18/21	water	10-23-21 1:48:43
16	82	1021082.D	5	BA43154W01 5/1000	water	10-23-21 2:16:49
17	83	1021083.D	5	BA43155W01 5/1000	water	10-23-21 2:44:59
18	92	1021092.D	1	Diesel Motor Oil CCV 10/18/21	water	10-23-21 6:57:57

ORGANICS
Calibration Data

PAH by GCMS SIM
EPA 8270 SIM

Form 6
Initial Calibration

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

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

Quantitation Report (Not Reviewed)

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

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

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

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

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

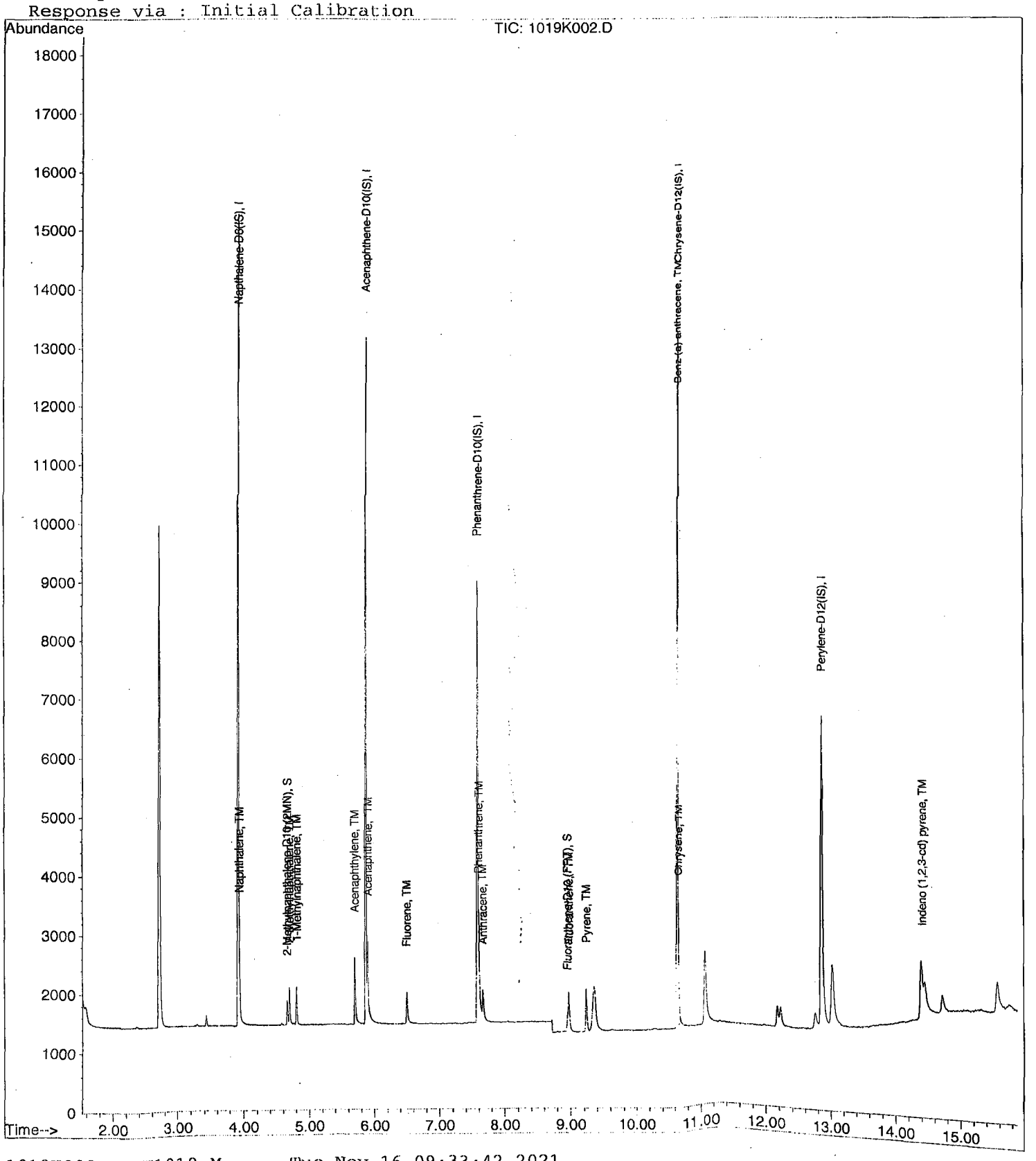
Quantitation Report

Data File : M:\KYLO\DATA\211019\1019K002.D
Acq On : 19 Oct 21 14:09
Sample : 0.1 ug/ml 10/13/21
Misc :

Vial: 2
Operator: LS
Inst : KYLO
Multiplr: 1.00

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

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



Quantitation Report (Not Reviewed)

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

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

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

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

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

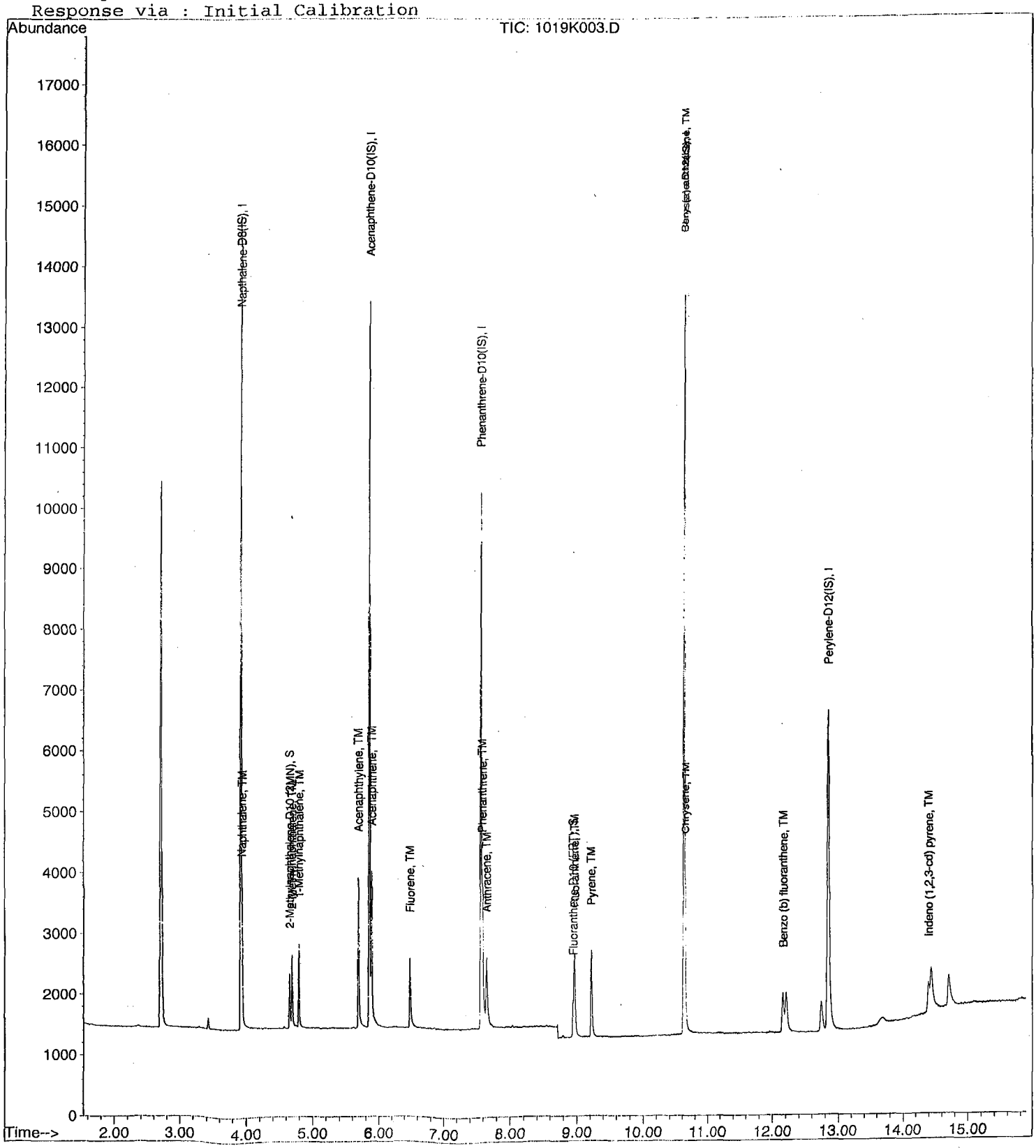
Quantitation Report

Data File : M:\KYLO\DATA\211019\1019K003.D
Acq On : 19 Oct 21 14:29
Sample : 0.2 ug/ml 10/13/21
Misc :

Vial: 3
Operator: LS
Inst : KYLO
Multiplr: 1.00

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

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



Quantitation Report (Not Reviewed)

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

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

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

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

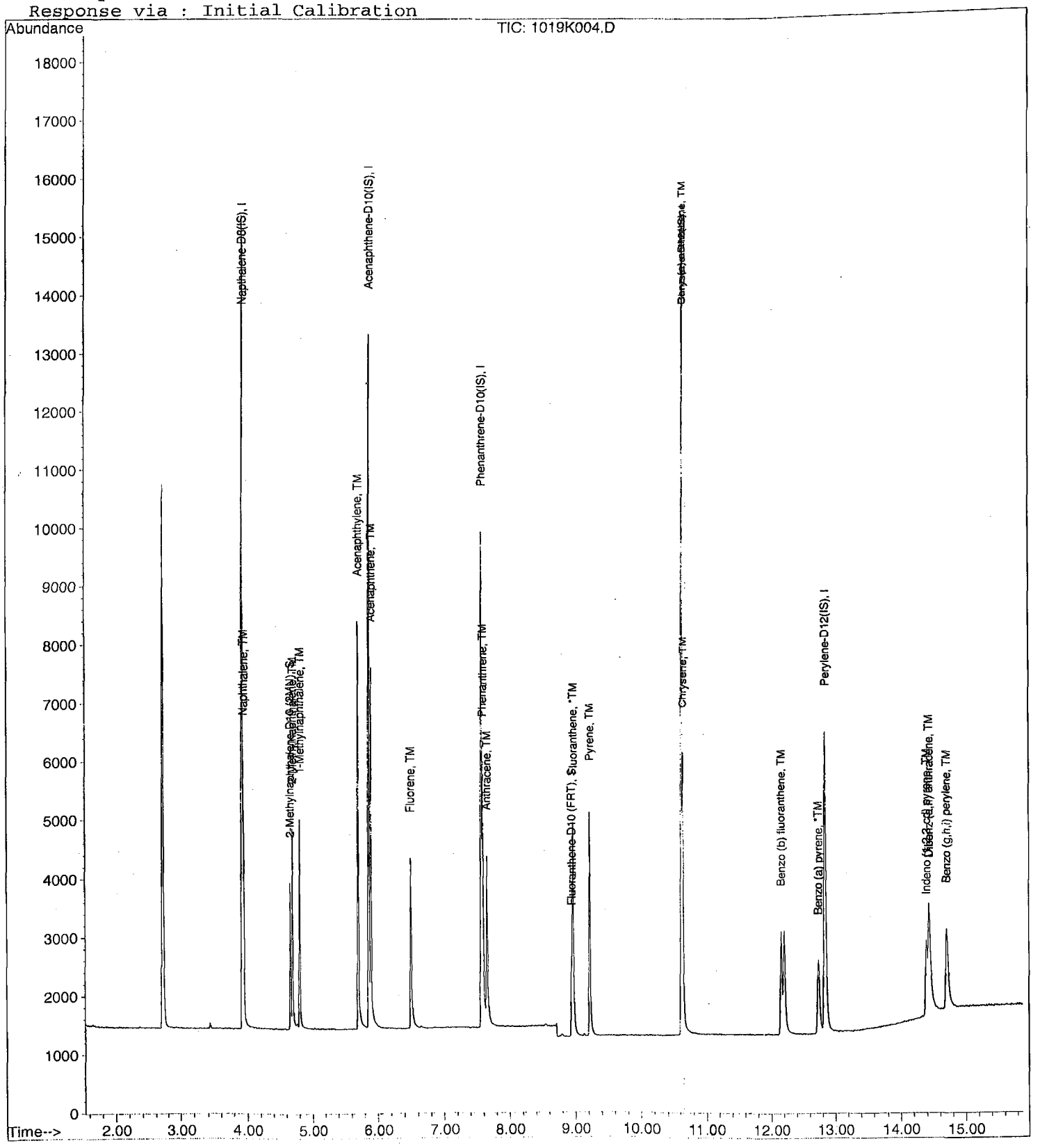
(#) = qualifier out of range (m) = manual integration

Quantitation Report

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

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

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



Quantitation Report (Not Reviewed)

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

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

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

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

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

Quantitation Report

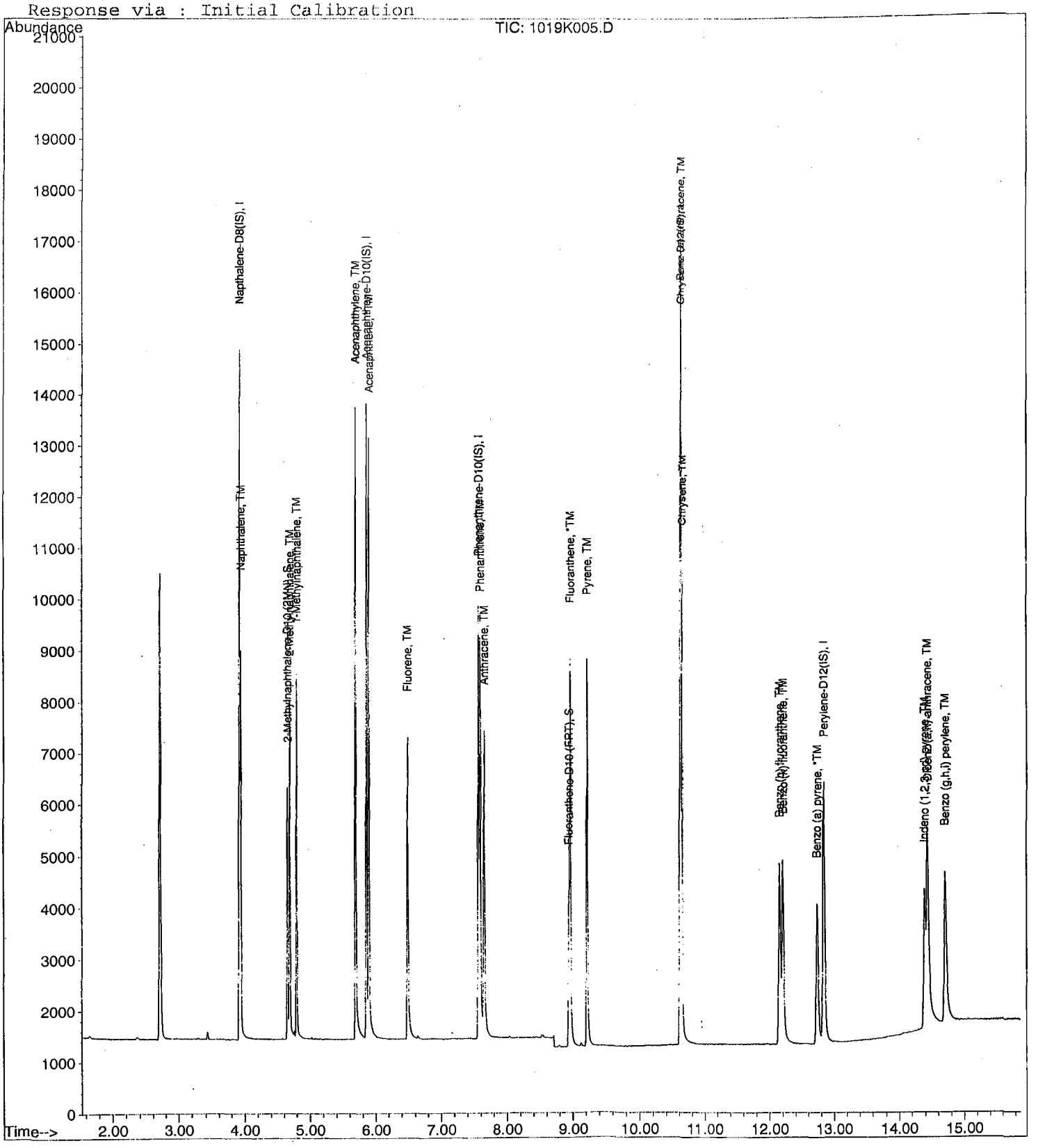
Data File : M:\KYLO\DATA\211019\1019K005.D
Acq On : 19 Oct 21 15:09
Sample : 1 ug/ml 10/13/21
Misc :

Vial: 5
Operator: LS
Inst : KYLO
Multiplr: 1.00

Quant Time: Oct 19 15:48 2021

Quant Results File: K1019.RES

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



Quantitation Report (Not Reviewed)

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

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

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

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

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

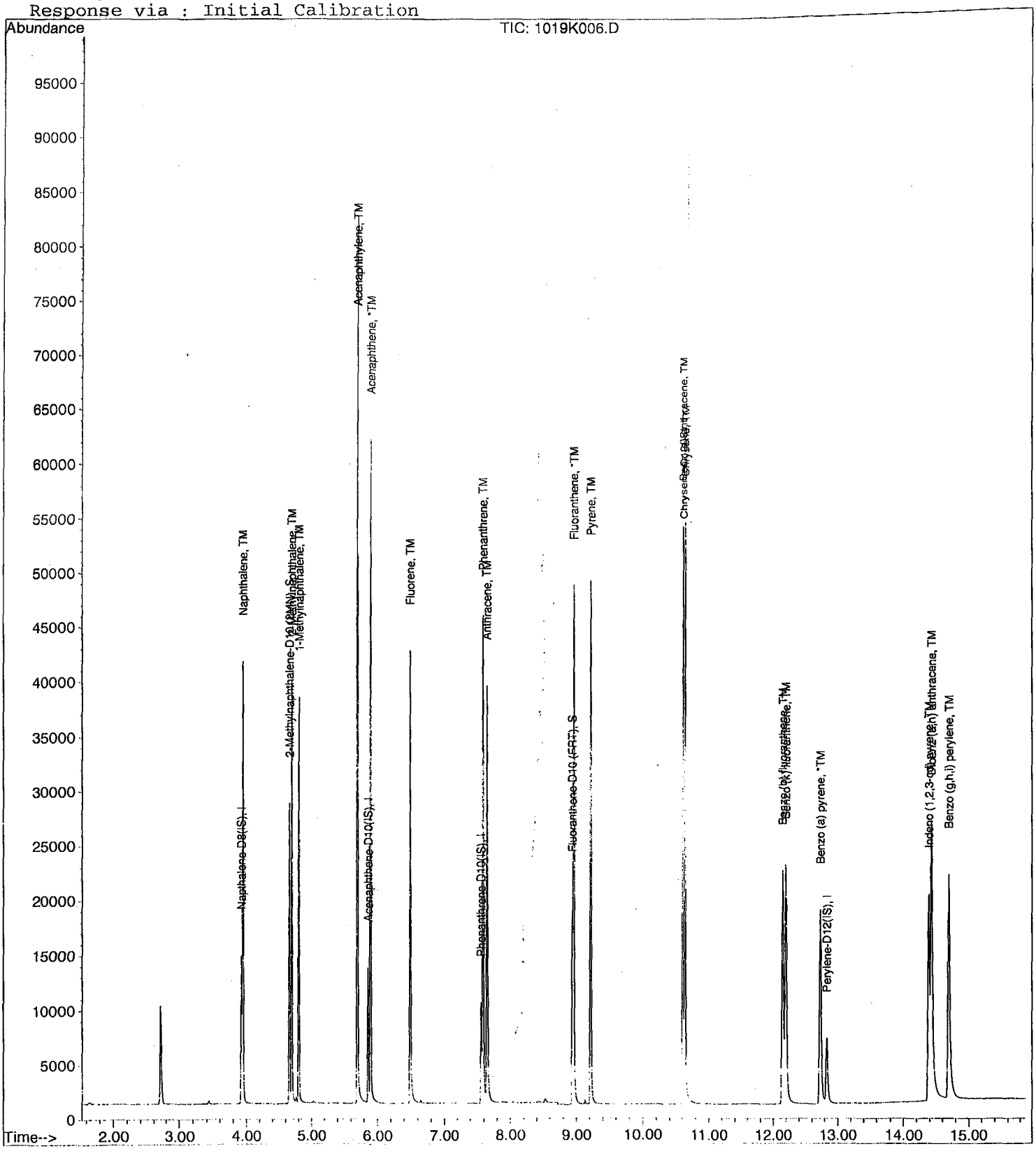
Quantitation Report

Data File : M:\KYLO\DATA\211019\1019K006.D
Acq On : 19 Oct 21 15:29
Sample : 5 ug/ml 10/13/21
Misc :

Vial: 6
Operator: LS
Inst : KYLO
Multiplr: 1.00

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

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



Quantitation Report (Not Reviewed)

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

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

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

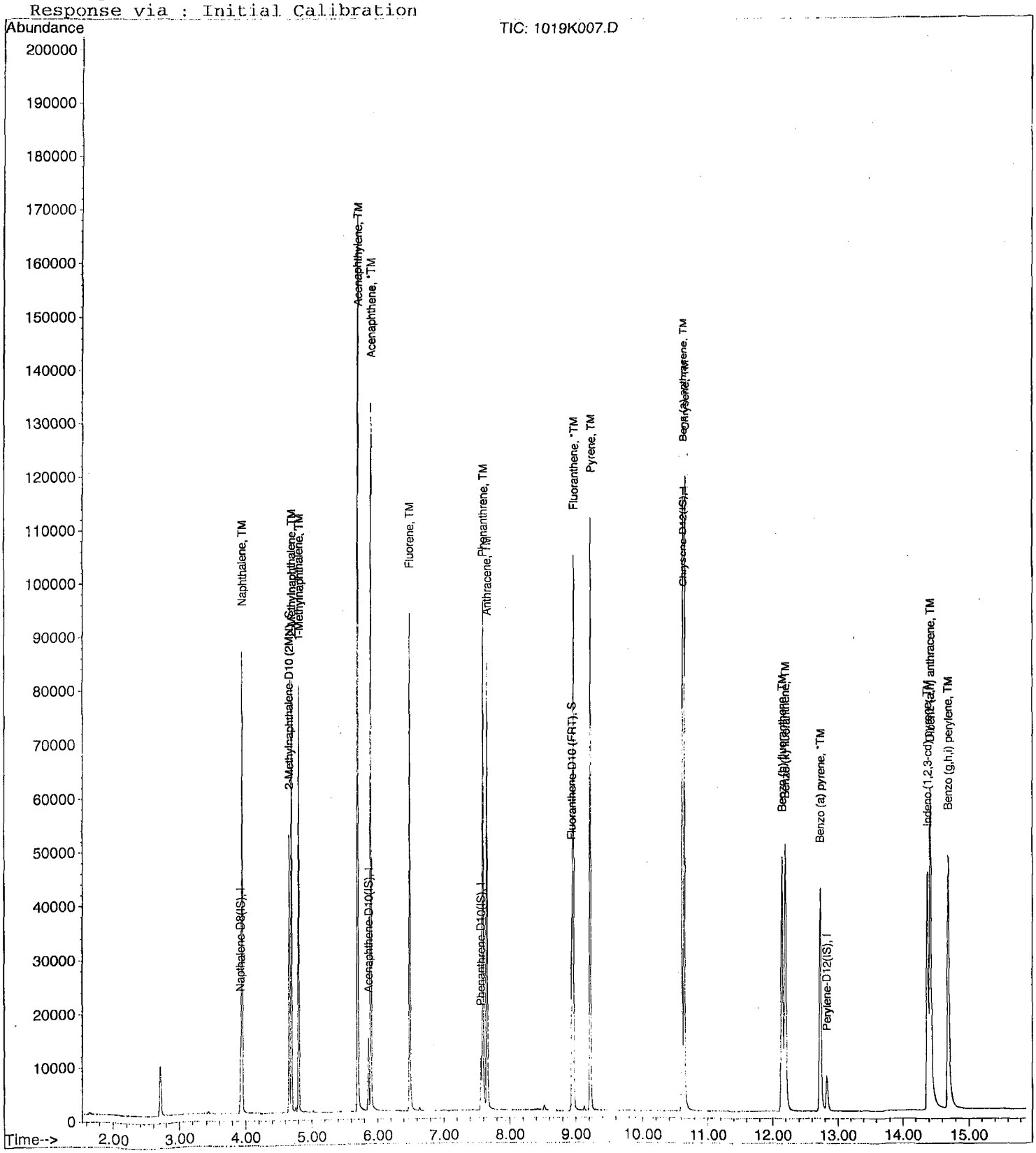
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Napthalene-D8(IS)	3.92	136	11510	2.50000 ppb	0.00
6) Acenaphthene-D10(IS)	5.86	164	5675	2.50000 ppb	0.00
10) Phenanthrene-D10(IS)	7.56	188	8972	2.50000 ppb	0.00
15) Chrysene-D12(IS)	10.62	240	10664	2.50000 ppb	0.00
20) Perylene-D12(IS)	12.83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

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

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

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

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



Quantitation Report (Not Reviewed)

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

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

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

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

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

Quantitation Report

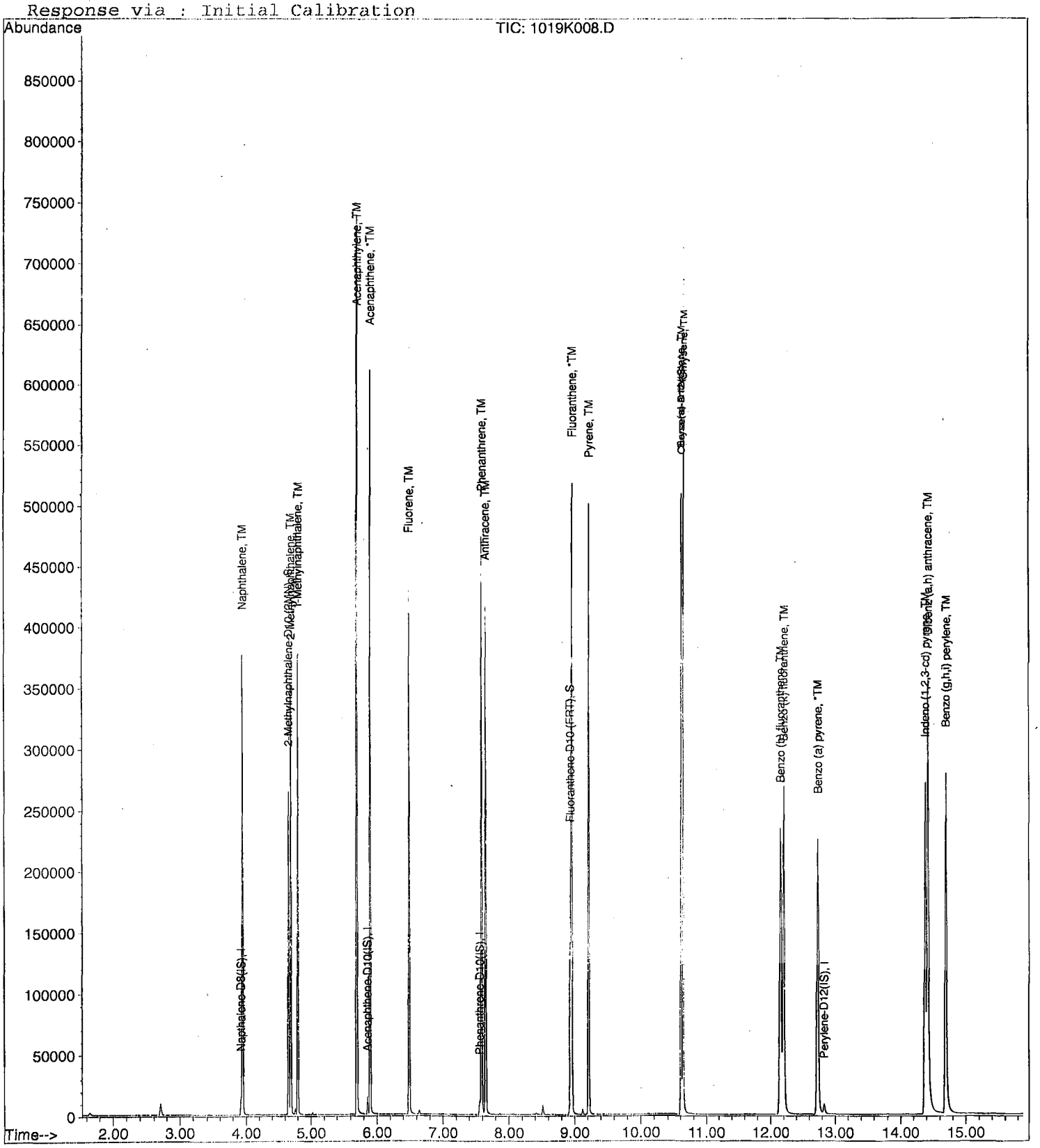
Data File : M:\KYLO\DATA\211019\1019K008.D
Acq On : 19 Oct 21 16:09
Sample : 50 ug/ml 10/13/21
Misc :

Vial: 8
Operator: LS
Inst : KYLO
Multiplr: 1.00

Quant Time: Oct 19 15:49 2021

Quant Results File: K1019.RES

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



Quantitation Report (Not Reviewed)

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

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

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

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

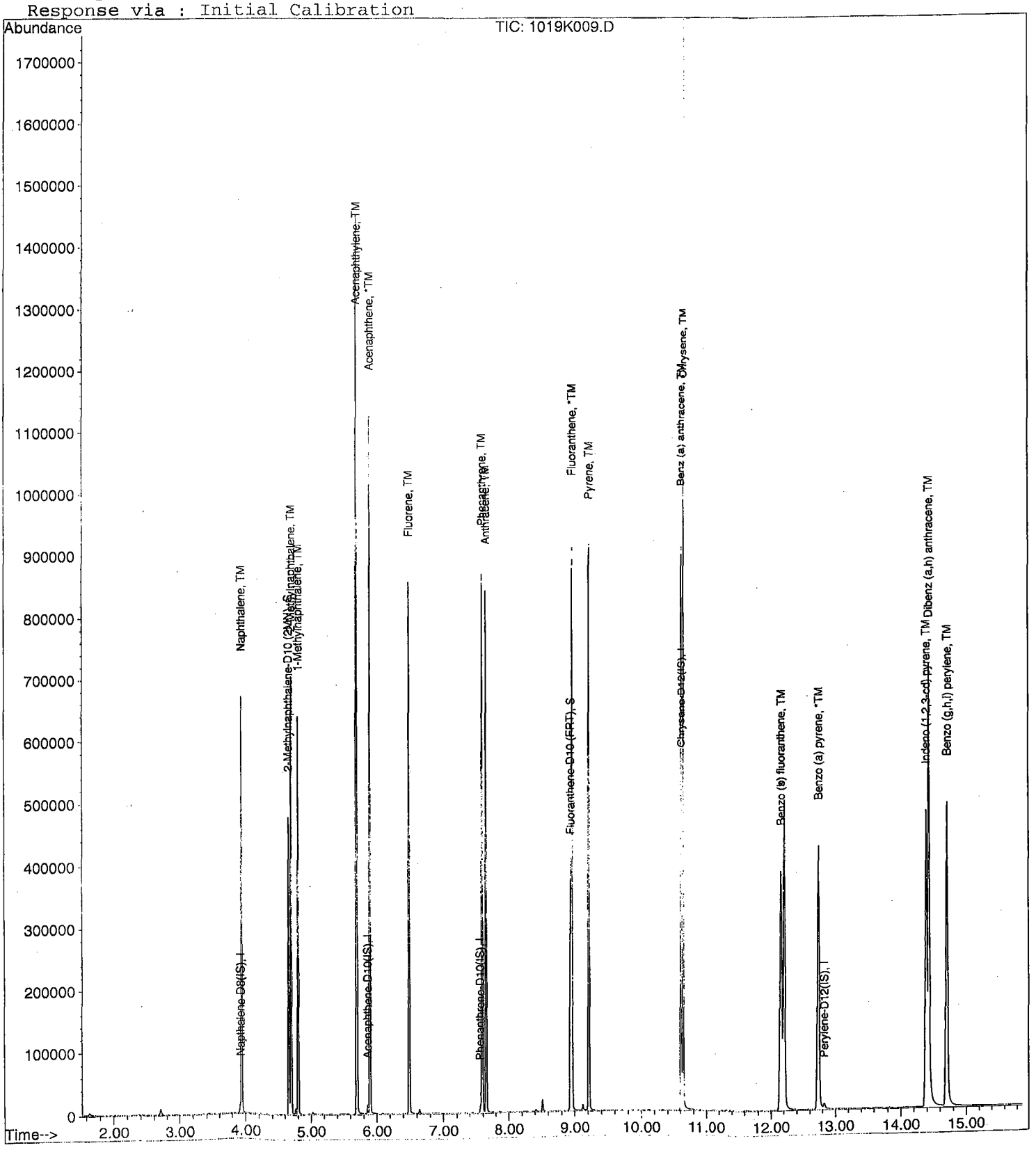
(#) = qualifier out of range (m) = manual integration

Quantitation Report

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

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

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



Form 7

Second Source Calibration

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

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

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

Quantitation Report (Not Reviewed)

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

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

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

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

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

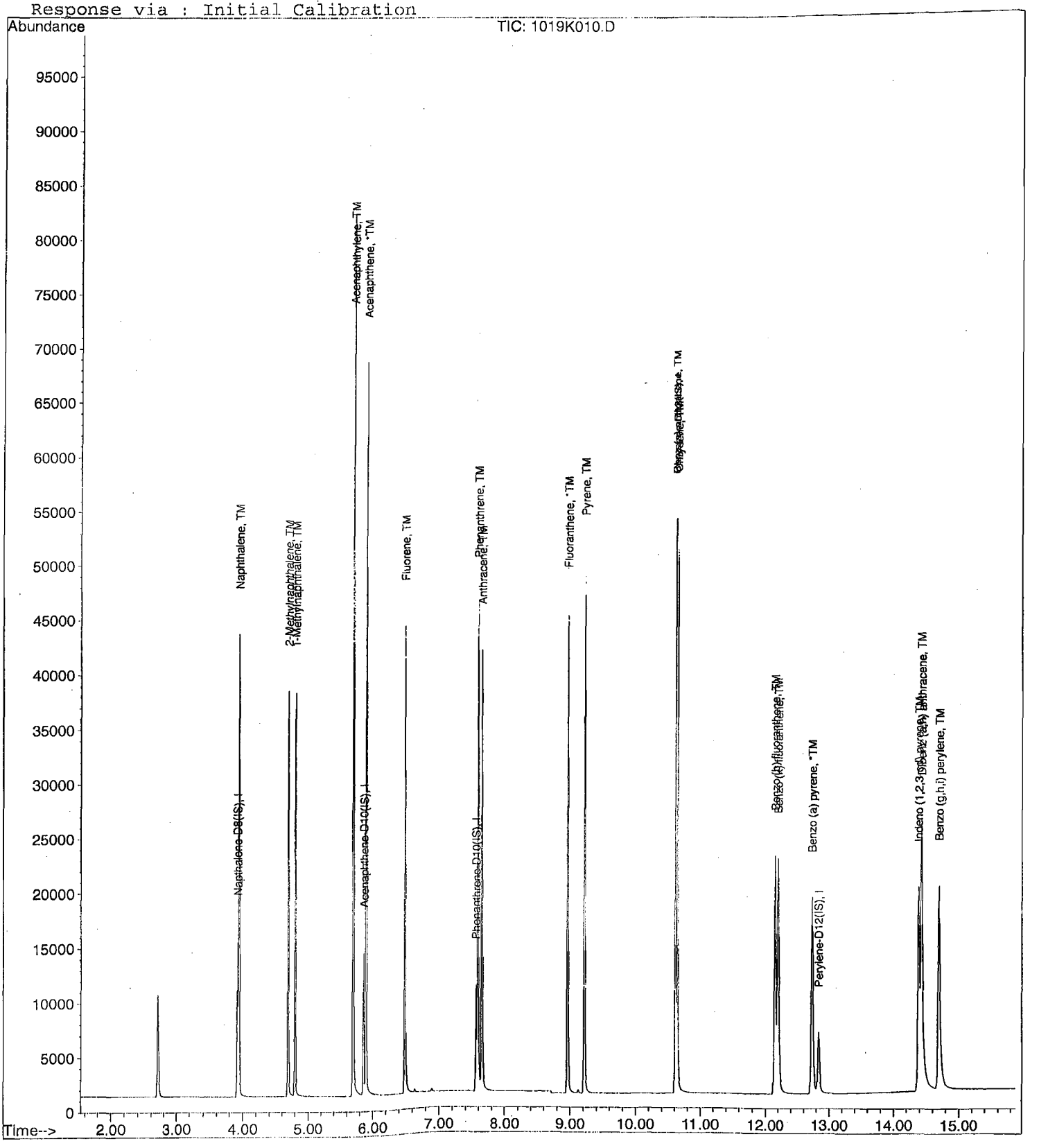
Quantitation Report

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

Vial: 10
Operator: LS
Inst : KYLO
Multiplr: 1.00

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

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



PAH by GCMS SIM
EPA 8270 SIM

Form 7

Continuing Calibration

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

SDG No:
Date Analyzed: 10/25/2021
Instrument: KYLO
Initial Cal. Date: 10/19/2021
Data File: 1019K087.D

		Compound	MEAN	CCRF	%D		%Drift
1	I	Napthalene-D8(IS)	ISTD			I	
2	TM	Naphthalene	1.299	1.316	1.4	TM	
3	S	2-Methylnaphthalene-D10 (2MN)	1.277	1.284	0.59	S	
4	TM	2-Methylnaphthalene	0.7611	0.7933	4.2	TM	
5	TM	1-Methylnaphthalene	0.7681	0.8071	5.1	TM	
6	I	Acenaphthene-D10(IS)	ISTD			I	
7	TM	Acenaphthylene	5.176	5.403	4.4	TM	
8	*TM	Acenaphthene	1.371	1.407	2.6	*TM	
9	TM	Fluorene	1.589	1.744	9.8	TM	
10	I	Phenanthrene-D10(IS)	ISTD			I	
11	TM	Phenanthrene	1.376	1.401	1.8	TM	
12	TM	Anthracene	1.299	1.358	4.5	TM	
13	S	Fluoranthene-D10 (FRT)	1.949	1.935	0.69	S	
14	*TM	Fluoranthene	2.137	2.318	8.4	*TM	
15	I	Chrysene-D12(IS)	ISTD			I	
16	TM	Pyrene	1.914	1.933	0.98	TM	
17	TM	Benz (a) anthracene	1.401	1.409	0.54	TM	
18	TM	Chrysene	1.558	1.572	0.91	TM	
19	TML	Indeno (1,2,3-cd) pyrene	1.272	1.116	12	TML	0.82
20	I	Perylene-D12(IS)	ISTD			I	
21	TM	Benzo (b) fluoranthene	1.408	1.483	5.3	TM	
22	TM	Benzo (k) fluoranthene	1.610	1.743	8.2	TM	
23	*TM	Benzo (a) pyrene	1.341	1.460	8.9	*TM	
24	TM	Dibenz (a,h) anthracene	1.326	1.458	10.0	TM	
25	TM	Benzo (g,h,i) perylene	1.443	1.495	3.6	TM	
26							
27							
28							
29							
30							
31							
32							
33							
34							
35							
36							
37							
38							
39							
40							
		Average			4.7		

Quantitation Report (QT Reviewed)

Data File : M:\KYLO\DATA\211019\1019K087.D Vial: 87
Acq On : 25 Oct 21 13:18 Operator: LS
Sample : 5 ug/ml 10/19/21 (1) Inst : KYLO
Misc : Multiplr: 1.00

Quant Time: Oct 25 13:37 2021 Quant Results File: K1019.RES

Quant Method : M:\KYLO\DATA\211019\K1019.M (RTE Integrator)
Title : EPA 8270
Last Update : Wed Oct 20 07:46:01 2021
Response via : Initial Calibration
DataAcq Meth : SIM_2

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Napthalene-D8(IS)	3.92	136	13255	2.50000 ppb	0.00
6) Acenaphthene-D10(IS)	5.85	164	6620	2.50000 ppb	0.00
10) Phenanthrene-D10(IS)	7.56	188	10931	2.50000 ppb	0.00
15) Chrysene-D12(IS)	10.62	240	13535	2.50000 ppb	0.00
20) Perylene-D12(IS)	12.84	264	11925	2.50000 ppb	0.01
System Monitoring Compounds					
3) 2-Methylnaphthalene-D10 (2	4.66	152	17021	2.51464 ppb	0.00
Spiked Amount 5.000			Recovery	= 50.300%	
13) Fluoranthene-D10 (FRT)	8.94	212	21156	2.48276 ppb	0.00
Spiked Amount 5.000			Recovery	= 49.660%	
Target Compounds					Qvalue
2) Naphthalene	3.94	128	34896	5.06813 ppb	100
4) 2-Methylnaphthalene	4.69	142	21030	5.21147 ppb	99
5) 1-Methylnaphthalene	4.79	142	21395	5.25348 ppb	99
7) Acenaphthylene	5.69	152	71538	5.21980 ppb	99
8) Acenaphthene	5.89	154	18625	5.13078 ppb	98
9) Fluorene	6.49	166	23093	5.48979 ppb	98
11) Phenanthrene	7.59	178	30619	5.08994 ppb	100
12) Anthracene	7.65	178	29678	5.22338 ppb	99
14) Fluoranthene	8.96	202	50668	5.42188 ppb	95
16) Pyrene	9.21	202	52322	5.04887 ppb	95
17) Benz (a) anthracene	10.61	228	38137	5.02709 ppb	100
18) Chrysene	10.65	228	42555	5.04547 ppb	99
19) Indeno (1,2,3-cd) pyrene	14.39	276	30202m	4.95904 ppb	100
21) Benzo (b) fluoranthene	12.15	252	35371	5.26678 ppb	99
22) Benzo (k) fluoranthene	12.20	252	41560	5.41154 ppb	98
23) Benzo (a) pyrene	12.74	252	34832	5.44533 ppb	98
24) Dibenz (a,h) anthracene	14.43	278	34773	5.49782 ppb	99
25) Benzo (g,h,i) perylene	14.70	276	35645	5.17855 ppb	98

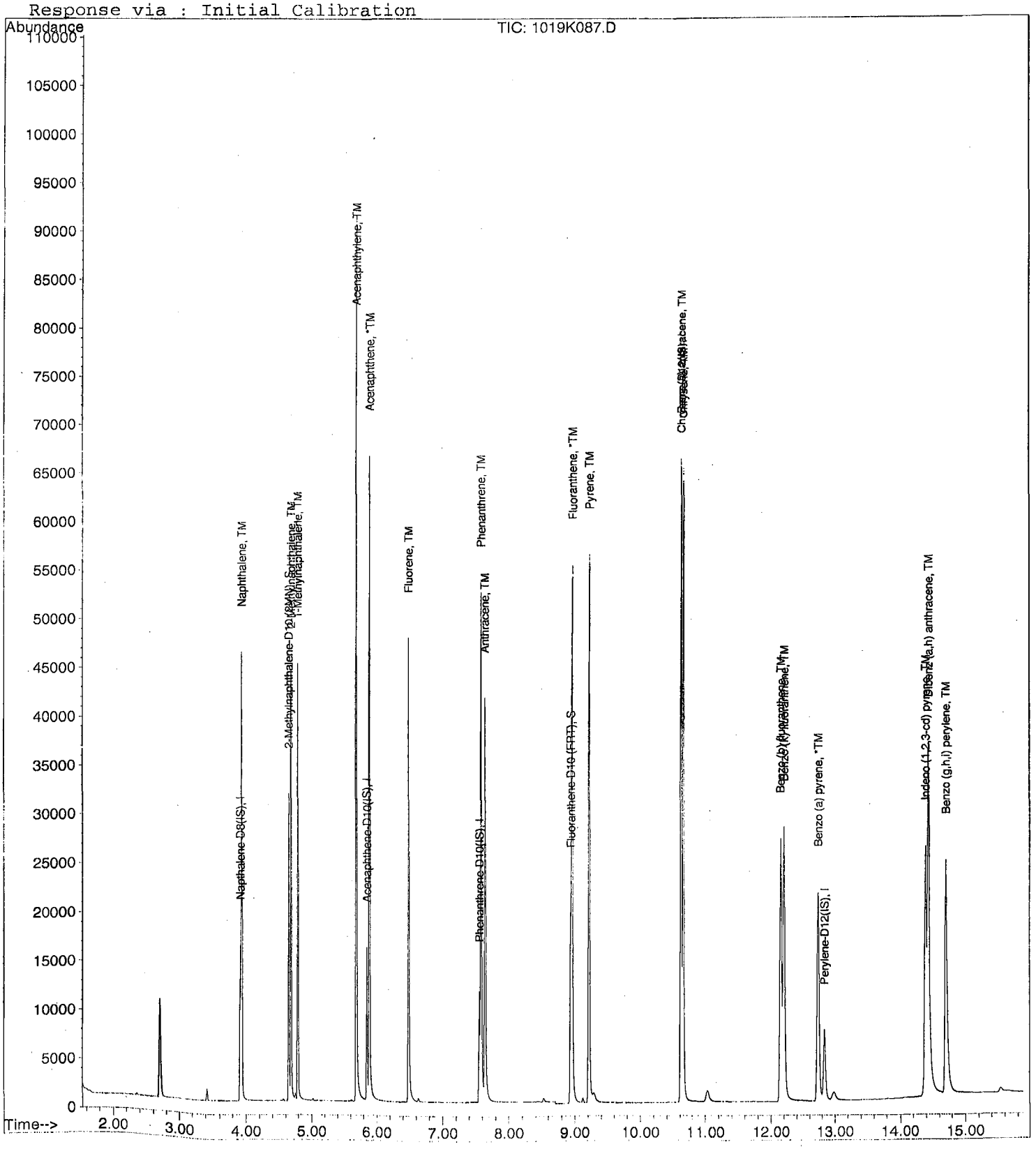
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\KYLO\DATA\211019\1019K087.D Vial: 87
Acq On : 25 Oct 21 13:18 Operator: LS
Sample : 5 ug/ml 10/19/21 (1) Inst : KYLO
Misc : Multiplr: 1.00

Quant Time: Oct 25 13:37 2021 Quant Results File: K1019.RES

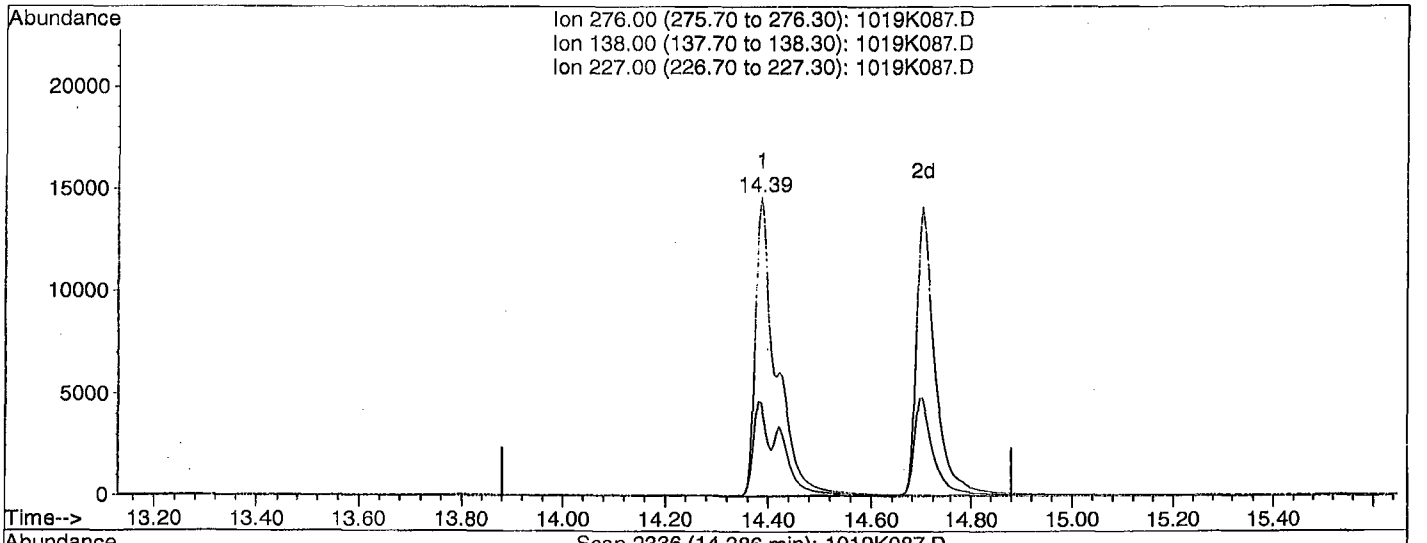
Method : M:\KYLO\DATA\211019\K1019.M (RTE Integrator)
Title : EPA 8270
Last Update : Wed Oct 20 07:46:01 2021
Response via : Initial Calibration

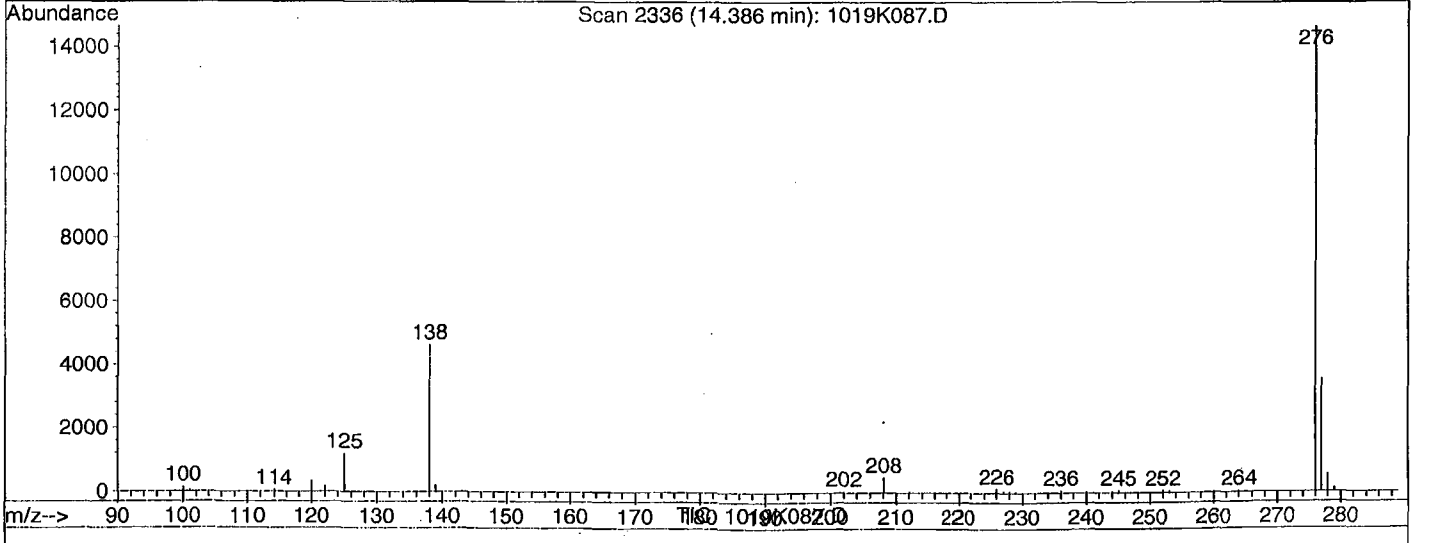


Quantitation Report

Data File : M:\KYLO\DATA\211019\1019K087.D Vial: 87
Acq On : 25 Oct 21 13:18 Operator: LS
Sample : 5 ug/ml 10/19/21 (1) Inst : KYLO
Misc : Multiplr: 1.00
Quant Time: Oct 25 13:34 2021 Quant Results File: temp.res

Method : M:\KYLO\DATA\211019\K1019.M (RTE Integrator)
Title : EPA 8270
Last Update : Wed Oct 20 07:46:01 2021
Response via : Multiple Level Calibration





(19) Indeno (1,2,3-cd) pyrene (TM)

14.39min 6.8339ppb

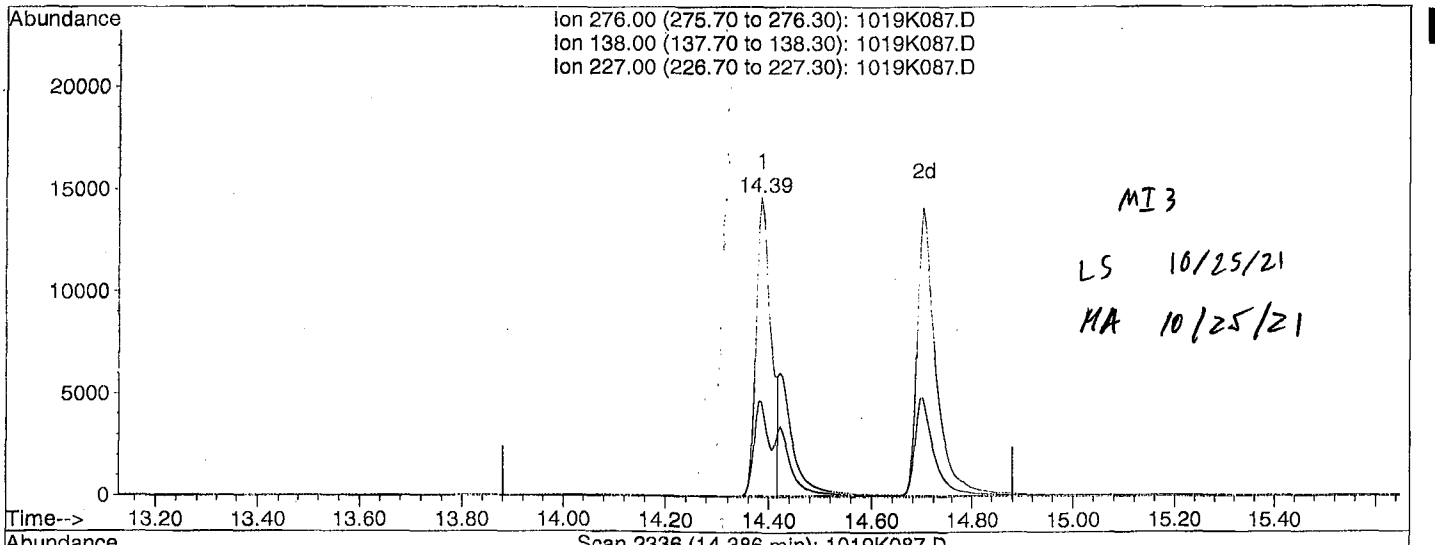
response 42075

Ion	Exp%	Act%
276.00	100	100
138.00	31.50	31.41
227.00	0.10	0.13#
0.00	0.00	0.00

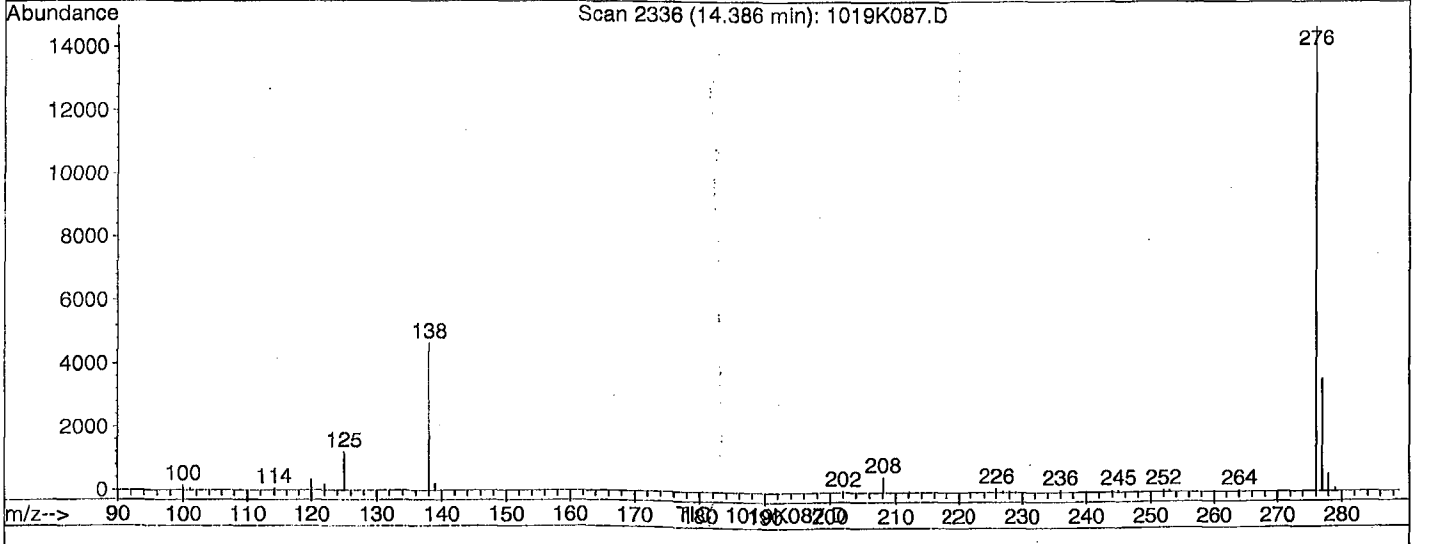
Quantitation Report

Data File : M:\KYLO\DATA\211019\1019K087.D Vial: 87
Acq On : 25 Oct 21 13:18 Operator: LS
Sample : 5 ug/ml 10/19/21 (1) Inst : KYLO
Misc : Multiplr: 1.00
Quant Time: Oct 25 13:37 2021 Quant Results File: temp.res

Method : M:\KYLO\DATA\211019\K1019.M (RTE Integrator)
Title : EPA 8270
Last Update : Wed Oct 20 07:46:01 2021
Response via : Multiple Level Calibration



MI 3
LS 10/25/21
MA 10/25/21



(19) Indeno (1,2,3-cd) pyrene (TM)

14.39min 4.9590ppb m

response 30202

Ion	Exp%	Act%
276.00	100	100
138.00	31.50	31.69
227.00	0.10	0.44#
0.00	0.00	0.00

PAH by GCMS SIM
EPA 8270 SIM

Form 7

Ending Continuing Calibration

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

SDG No:
Date Analyzed: 10/26/2021
Instrument: KYLO
Initial Cal. Date: 10/19/2021
Data File: 1019K124.D

		Compound	MEAN	CCRF	%D		%Drift
1	I	Napthalene-D8(IS)	ISTD			I	
2	TM	Naphthalene	1.299	1.303	0.35	TM	
3	S	2-Methylnaphthalene-D10 (2MN)	1.277	1.331	4.3	S	
4	TM	2-Methylnaphthalene	0.7611	0.8193	7.6	TM	
5	TM	1-Methylnaphthalene	0.7681	0.8225	7.1	TM	
6	I	Acenaphthene-D10(IS)	ISTD			I	
7	TM	Acenaphthylene	5.176	5.597	8.1	TM	
8	*TM	Acenaphthene	1.371	1.382	0.82	*TM	
9	TM	Fluorene	1.589	1.654	4.1	TM	
10	I	Phenanthrene-D10(IS)	ISTD			I	
11	TM	Phenanthrene	1.376	1.372	0.25	TM	
12	TM	Anthracene	1.299	1.343	3.3	TM	
13	S	Fluoranthene-D10 (FRT)	1.949	2.006	2.9	S	
14	*TM	Fluoranthene	2.137	2.263	5.9	*TM	
15	I	Chrysene-D12(IS)	ISTD			I	
16	TM	Pyrene	1.914	1.954	2.1	TM	
17	TM	Benz (a) anthracene	1.401	1.454	3.8	TM	
18	TM	Chrysene	1.558	1.533	1.6	TM	
19	TML	Indeno (1,2,3-cd) pyrene	1.272	1.020	20	TML	9.0
20	I	Perylene-D12(IS)	ISTD			I	
21	TM	Benzo (b) fluoranthene	1.408	1.476	4.8	TM	
22	TM	Benzo (k) fluoranthene	1.610	1.715	6.5	TM	
23	*TM	Benzo (a) pyrene	1.341	1.449	8.1	*TM	
24	TM	Dibenz (a,h) anthracene	1.326	1.378	3.9	TM	
25	TM	Benzo (g,h,i) perylene	1.443	1.438	0.37	TM	
26							
27							
28							
29							
30							
31							
32							
33							
34							
35							
36							
37							
38							
39							
40							
		Average			4.8		

Quantitation Report (QT Reviewed)

Data File : M:\KYLO\DATA\211019\1019K124.D Vial: 124
Acq On : 26 Oct 21 1:39 Operator: LS
Sample : 5 ug/ml 10/10/21 (2) Inst : KYLO
Misc : Multiplr: 1.00

Quant Time: Oct 26 7:18 2021 Quant Results File: K1019.RES

Quant Method : M:\KYLO\DATA\211019\K1019.M (RTE Integrator)
Title : EPA 8270
Last Update : Wed Oct 20 07:46:01 2021
Response via : Initial Calibration
DataAcq Meth : SIM_2

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Napthalene-D8(IS)	3.92	136	17587	2.50000	ppb	0.00
6) Acenaphthene-D10(IS)	5.85	164	9142	2.50000	ppb	0.00
10) Phenanthrene-D10(IS)	7.56	188	14508	2.50000	ppb	0.00
15) Chrysene-D12(IS)	10.62	240	17169	2.50000	ppb	0.00
20) Perylene-D12(IS)	12.84	264	15035	2.50000	ppb	0.00
System Monitoring Compounds						
3) 2-Methylnaphthalene-D10 (2	4.66	152	23407	2.60630	ppb	0.00
Spiked Amount 5.000			Recovery =	52.120%		
13) Fluoranthene-D10 (FRT)	8.93	212	29102	2.57321	ppb	0.00
Spiked Amount 5.000			Recovery =	51.460%		
Target Compounds						Qvalue
2) Naphthalene	3.94	128	45840	5.01770	ppb	100
4) 2-Methylnaphthalene	4.69	142	28817	5.38218	ppb	99
5) 1-Methylnaphthalene	4.79	142	28930	5.35391	ppb	98
7) Acenaphthylene	5.69	152	102332	5.40686	ppb	99
8) Acenaphthene	5.89	154	25271	5.04111	ppb	100
9) Fluorene	6.49	166	30245	5.20650	ppb	99
11) Phenanthrene	7.59	178	39822	4.98766	ppb	99
12) Anthracene	7.64	178	38959	5.16627	ppb	99
14) Fluoranthene	8.95	202	65655	5.29342	ppb	100
16) Pyrene	9.21	202	67096	5.10411	ppb	99
17) Benz (a) anthracene	10.61	228	49930	5.18854	ppb	100
18) Chrysene	10.65	228	52654	4.92148	ppb	99
19) Indeno (1,2,3-cd) pyrene	14.38	276	35019m	4.54924	ppb	96
21) Benzo (b) fluoranthene	12.14	252	44378	5.24107	ppb	100
22) Benzo (k) fluoranthene	12.19	252	51578	5.32678	ppb	100
23) Benzo (a) pyrene	12.73	252	43580	5.40366	ppb	99
24) Dibenz (a,h) anthracene	14.42	278	41425	5.19476	ppb	98
25) Benzo (g,h,i) perylene	14.70	276	43229	4.98127	ppb	99

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

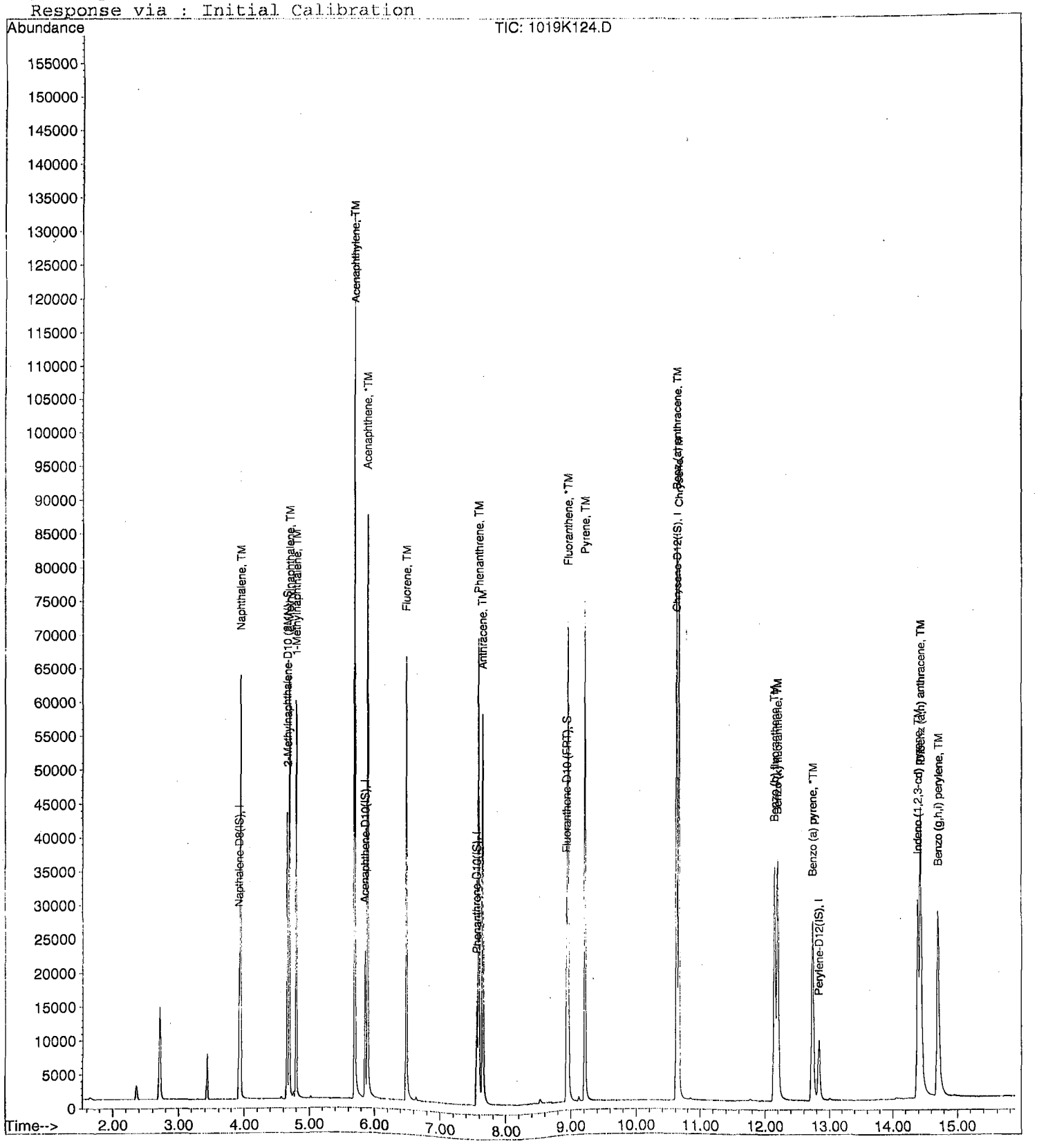
Quantitation Report

Data File : M:\KYLO\DATA\211019\1019K124.D
Acq On : 26 Oct 21 1:39
Sample : 5 ug/ml 10/10/21 (2)
Misc :

Vial: 124
Operator: LS
Inst : KYLO
Multiplr: 1.00

Quant Time: Oct 26 7:18 2021 Quant Results File: K1019.RES

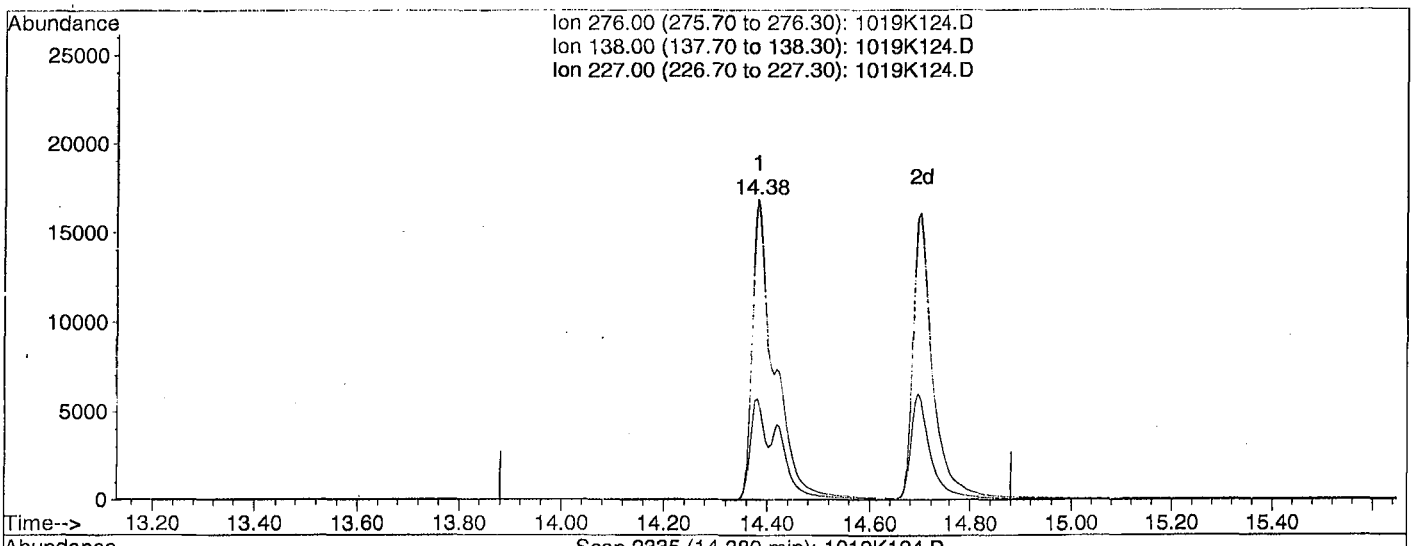
Method : M:\KYLO\DATA\211019\K1019.M (RTE Integrator)
Title : EPA 8270
Last Update : Wed Oct 20 07:46:01 2021
Response via : Initial Calibration

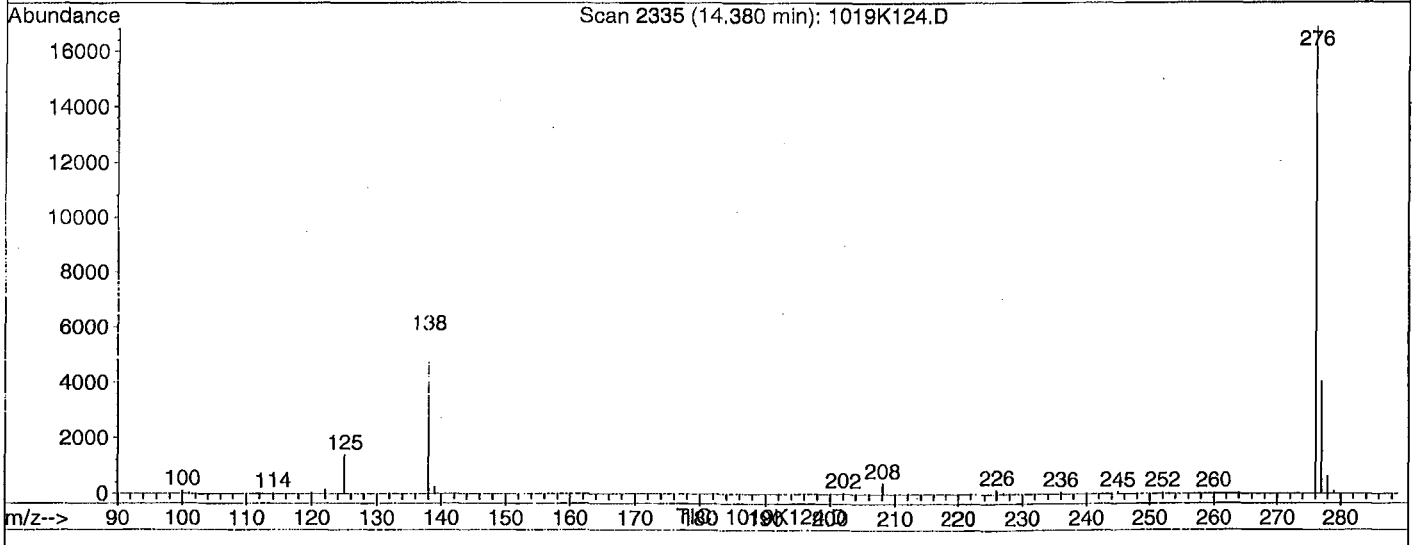


Quantitation Report

Data File : M:\KYLO\DATA\211019\1019K124.D Vial: 124
Acq On : 26 Oct 21 1:39 Operator: LS
Sample : 5 ug/ml 10/10/21 (2) Inst : KYLO
Misc : Multiplr: 1.00
Quant Time: Oct 26 7:17 2021 Quant Results File: temp.res

Method : M:\KYLO\DATA\211019\K1019.M (RTE Integrator)
Title : EPA 8270
Last Update : Wed Oct 20 07:46:01 2021
Response via : Multiple Level Calibration





(19) Indeno (1,2,3-cd) pyrene (TM)

14.38min 6.4435ppb

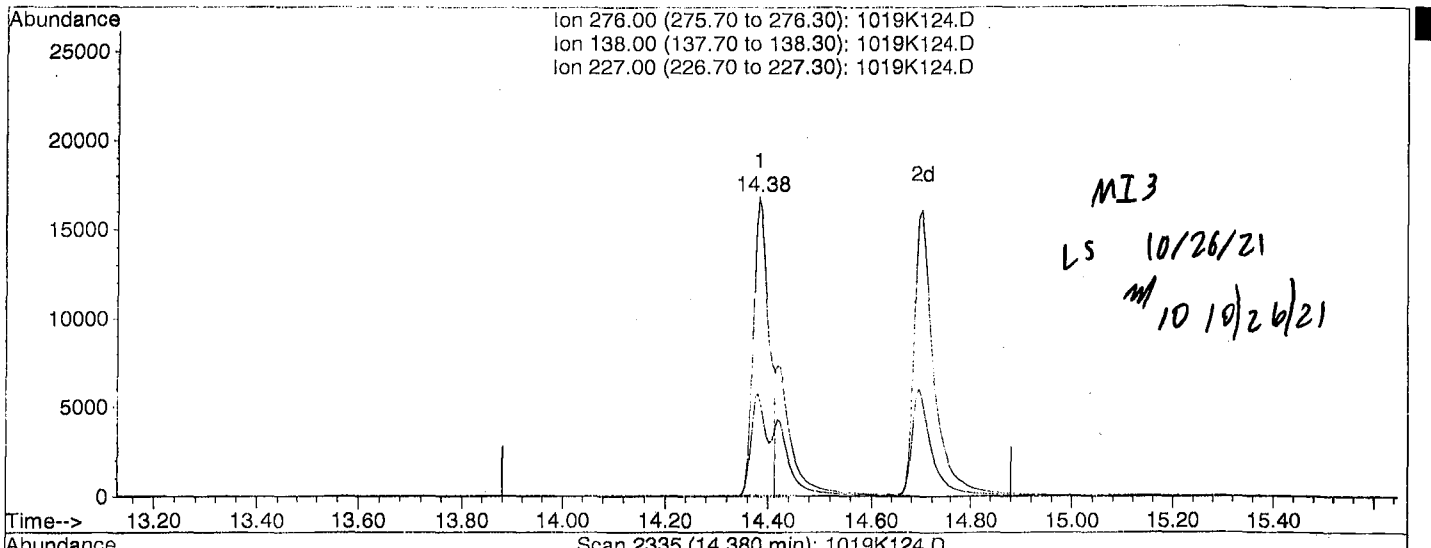
response 50235

Ion	Exp%	Act%
276.00	100	100
138.00	31.50	33.70
227.00	0.10	0.11
0.00	0.00	0.00

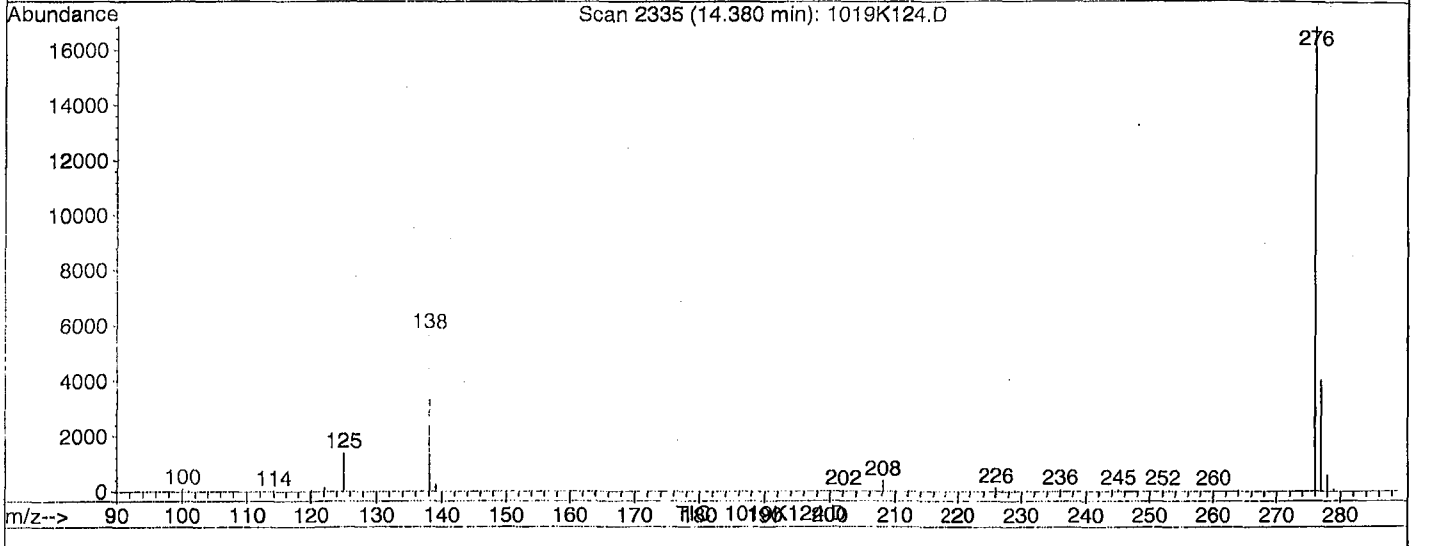
Quantitation Report

Data File : M:\KYLO\DATA\211019\1019K124.D Vial: 124
Acq On : 26 Oct 21 1:39 Operator: LS
Sample : 5 ug/ml 10/10/21 (2) Inst : KYLO
Misc : Multiplr: 1.00
Quant Time: Oct 26 7:18 2021 Quant Results File: temp.res

Method : M:\KYLO\DATA\211019\K1019.M (RTE Integrator)
Title : EPA 8270
Last Update : Wed Oct 20 07:46:01 2021
Response via : Multiple Level Calibration



MI3
LS 10/26/21
10/26/21



(19) Indeno (1,2,3-cd) pyrene (TM)

14.38min 4.5492ppb m

response 35019

Ion	Exp%	Act%
276.00	100	100
138.00	31.50	33.93
227.00	0.10	0.39#
0.00	0.00	0.00

ORGANICS
Raw Data

Quantitation Report (QT Reviewed)

Data File : M:\KYLO\DATA\211019\1019K096.D Vial: 96
Acq On : 25 Oct 21 16:20 Operator: LS
Sample : BA43145W07 1/1000 Inst : KYLO
Misc : Multiplr: 1.00

Quant Time: Oct 26 15:06 2021 Quant Results File: K1019.RES

Quant Method : M:\KYLO\DATA\211019\K1019.M (RTE Integrator)
Title : EPA 8270
Last Update : Wed Oct 20 07:46:01 2021
Response via : Initial Calibration
DataAcq Meth : SIM_2

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Napthalene-D8(IS)	3.92	136	17173	2.50 ppb	0.00
6) Acenaphthene-D10(IS)	5.85	164	9318	2.50 ppb	0.00
10) Phenanthrene-D10(IS)	7.56	188	15382	2.50 ppb	0.00
15) Chrysene-D12(IS)	10.62	240	18557	2.50 ppb	0.00
20) Perylene-D12(IS)	12.84	264	16875	2.50 ppb	0.00
System Monitoring Compounds					
3) 2-Methylnaphthalene-D10 (2	4.66	152	33064	3.77 ppb	0.00
Spiked Amount 5.000			Recovery =	75.400%	
13) Fluoranthene-D10 (FRT)	8.93	212	30752	2.56 ppb	0.00
Spiked Amount 5.000			Recovery =	51.300%	

Target Compounds Qvalue

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

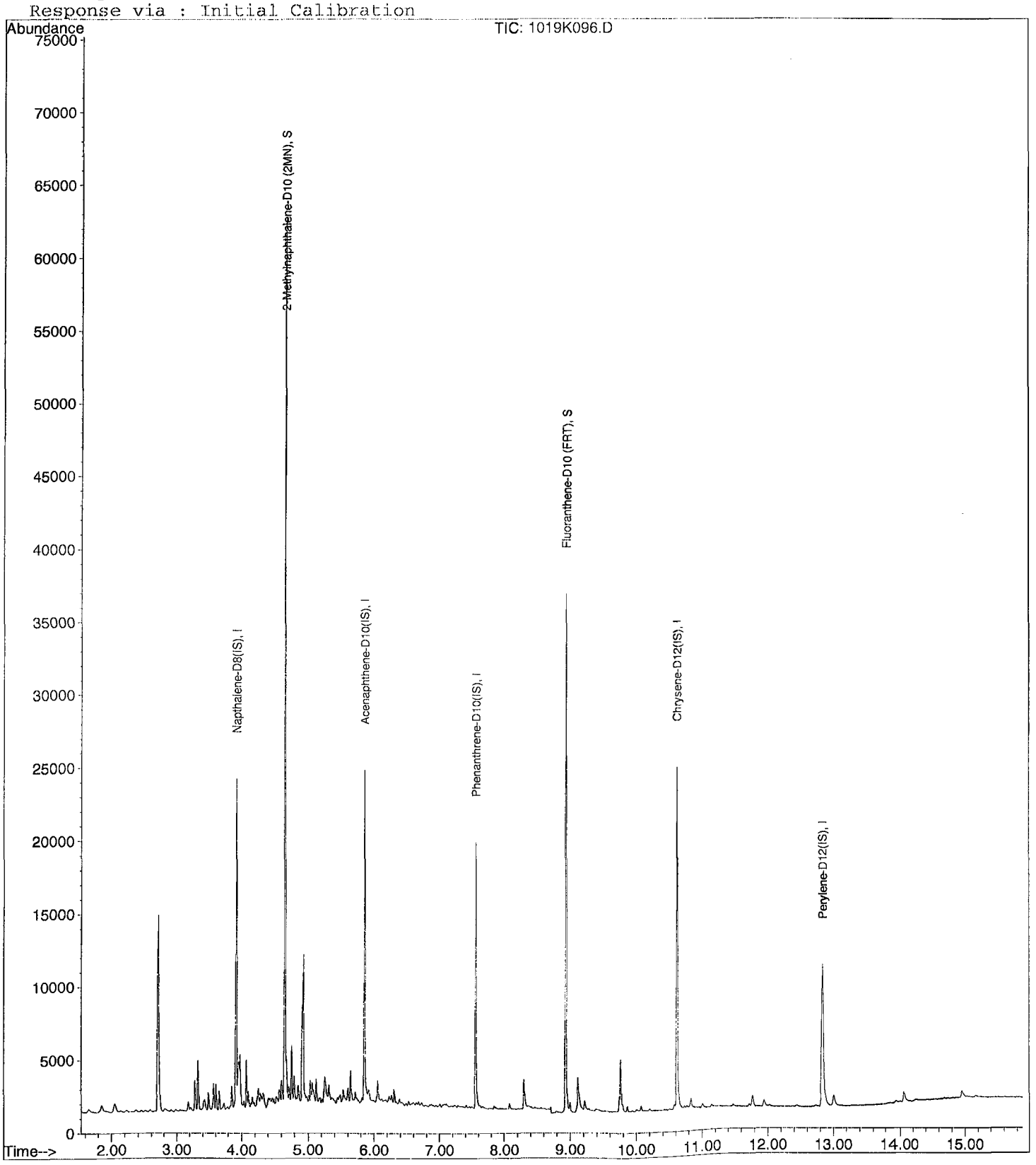
Quantitation Report

Data File : M:\KYLO\DATA\211019\1019K096.D
Acq On : 25 Oct 21 16:20
Sample : BA43145W07 1/1000
Misc :

Vial: 96
Operator: LS
Inst : KYLO
Multiplr: 1.00

Quant Time: Oct 26 15:06 2021 Quant Results File: K1019.RES

Method : M:\KYLO\DATA\211019\K1019.M (RTE Integrator)
Title : EPA 8270
Last Update : Thu Nov 18 11:41:54 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\KYLO\DATA\211019\1019K097.D Vial: 97
Acq On : 25 Oct 21 16:40 Operator: LS
Sample : BA43147W07 1/950 Inst : KYLO
Misc : Multiplr: 1.05

Quant Time: Oct 26 15:07 2021 Quant Results File: K1019.RES

Quant Method : M:\KYLO\DATA\211019\K1019.M (RTE Integrator)
Title : EPA 8270
Last Update : Wed Oct 20 07:46:01 2021
Response via : Initial Calibration
DataAcq Meth : SIM_2

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Napthalene-D8(IS)	3.92	136	14604	2.50	ppb	0.00
6) Acenaphthene-D10(IS)	5.85	164	8003	2.50	ppb	0.00
10) Phenanthrene-D10(IS)	7.56	188	13183	2.50	ppb	0.00
15) Chrysene-D12(IS)	10.62	240	16123	2.50	ppb	0.00
20) Perylene-D12(IS)	12.83	264	14740	2.50	ppb	0.00
System Monitoring Compounds						
3) 2-Methylnaphthalene-D10 (2	4.66	152	23502	3.32	ppb	0.00
Spiked Amount 5.263			Recovery =	63.023%		
13) Fluoranthene-D10 (FRT)	8.93	212	14009	1.43	ppb	0.00
Spiked Amount 5.263			Recovery =	27.265%		
Target Compounds						Qvalue
2) Naphthalene	3.94	128	329066	45.66	ppb	99
4) 2-Methylnaphthalene	4.69	142	88304	20.91	ppb	100
5) 1-Methylnaphthalene	4.80	142	85533	20.07	ppb	100

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

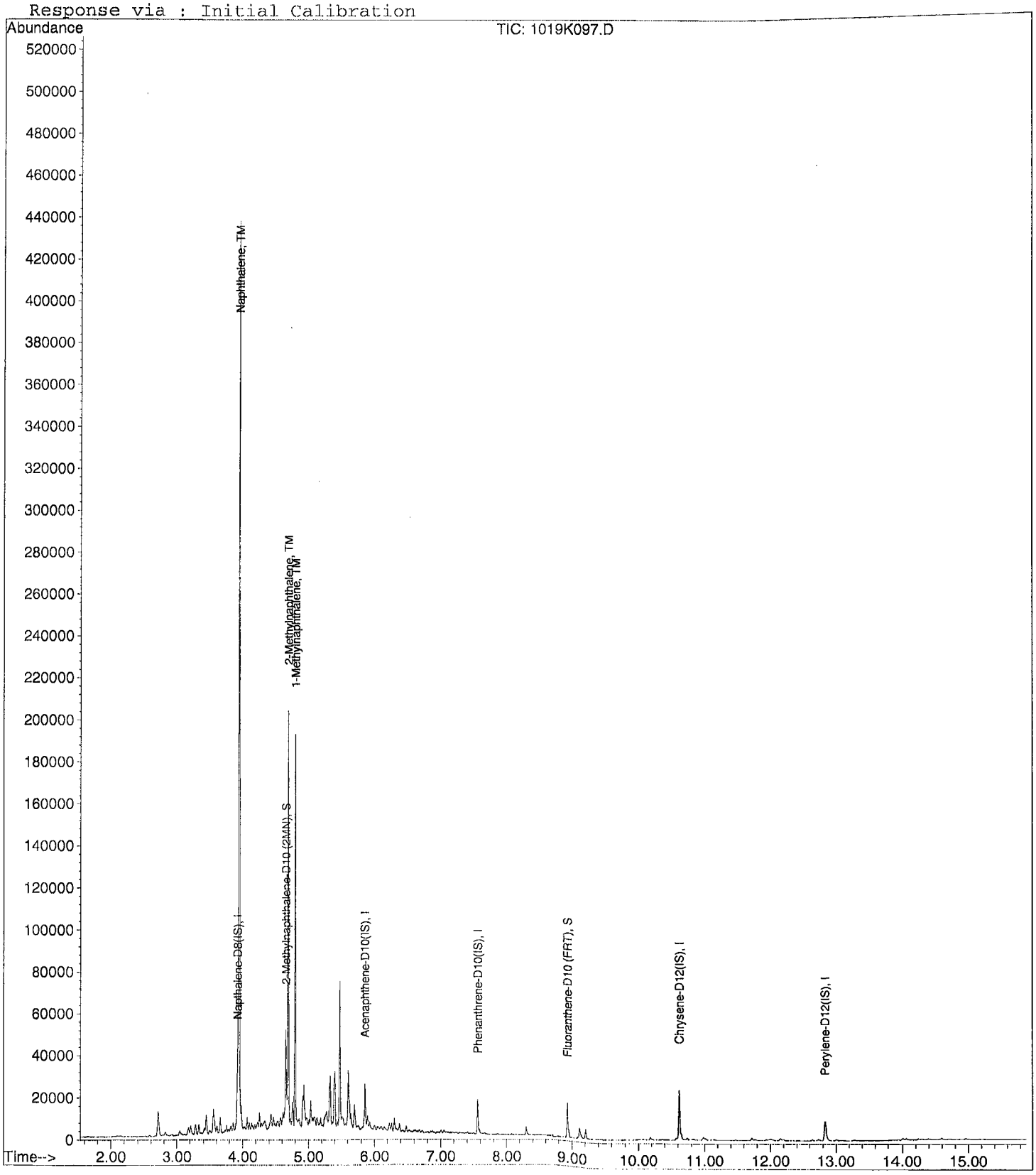
Quantitation Report

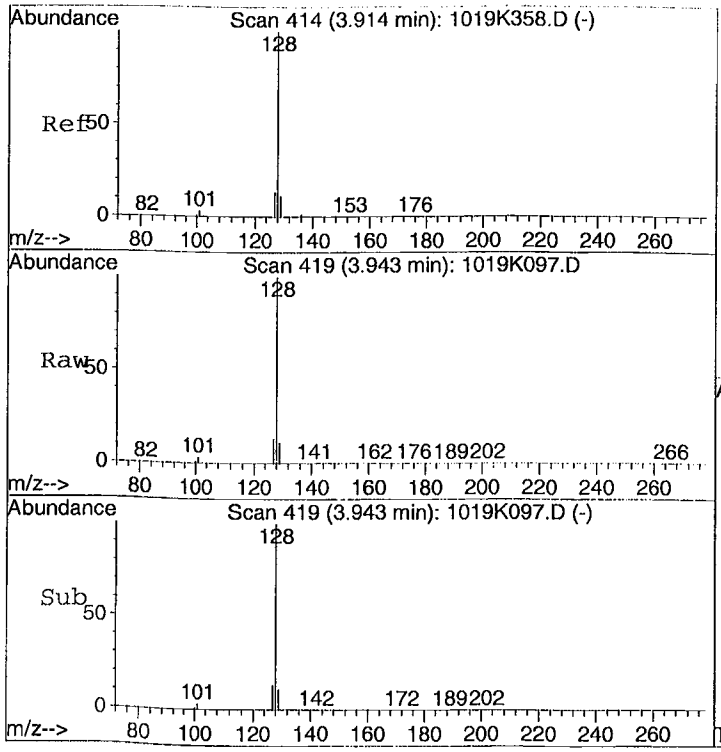
Data File : M:\KYLO\DATA\211019\1019K097.D
Acq On : 25 Oct 21 16:40
Sample : BA43147W07 1/950
Misc :

Vial: 97
Operator: LS
Inst : KYLO
Multiplr: 1.05

Quant Time: Oct 26 15:07 2021 Quant Results File: K1019.RES

Method : M:\KYLO\DATA\211019\K1019.M (RTE Integrator)
Title : EPA 8270
Last Update : Thu Nov 18 11:41:54 2021
Response via : Initial Calibration

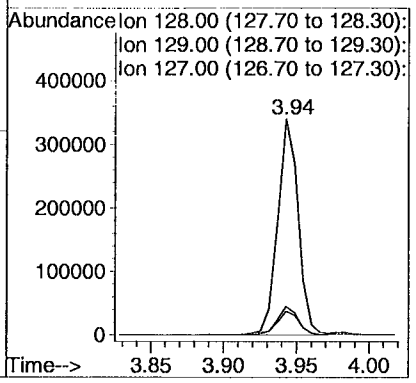


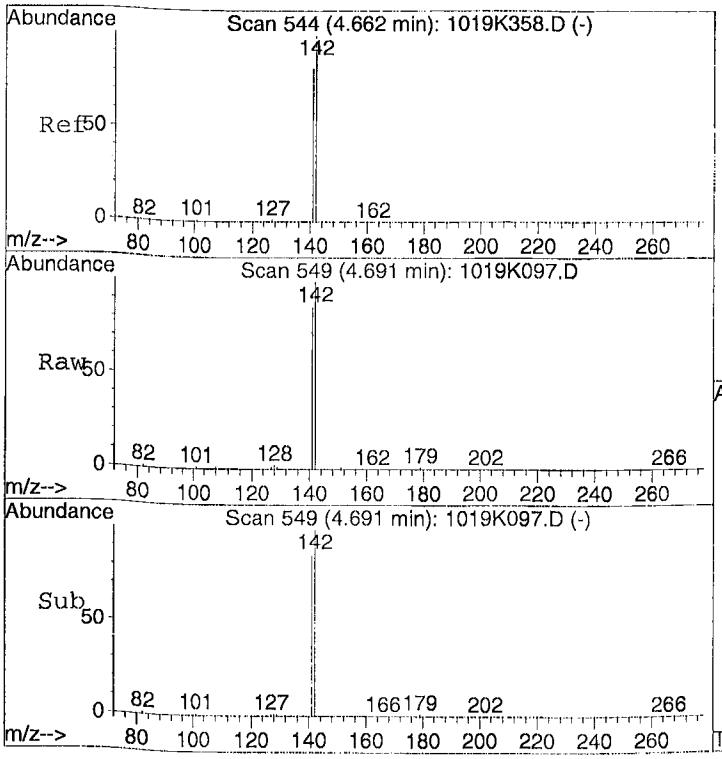


#2
Naphthalene
Concen: 45.66 ppb
RT: 3.94 min Scan# 419
Delta R.T. 0.00 min
Lab File: 1019K097.D
Acq: 25 Oct 21 16:40

Tgt Ion:128 Resp: 329066

Ion	Ratio	Lower	Upper
128	100		
129	11.0	7.5	13.9
127	13.2	9.0	16.8

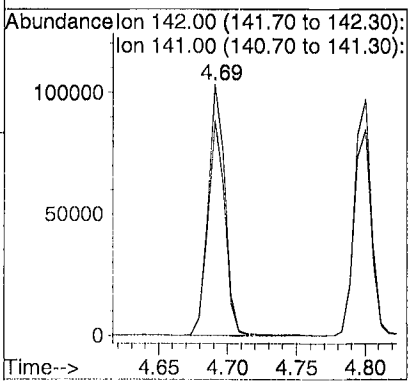


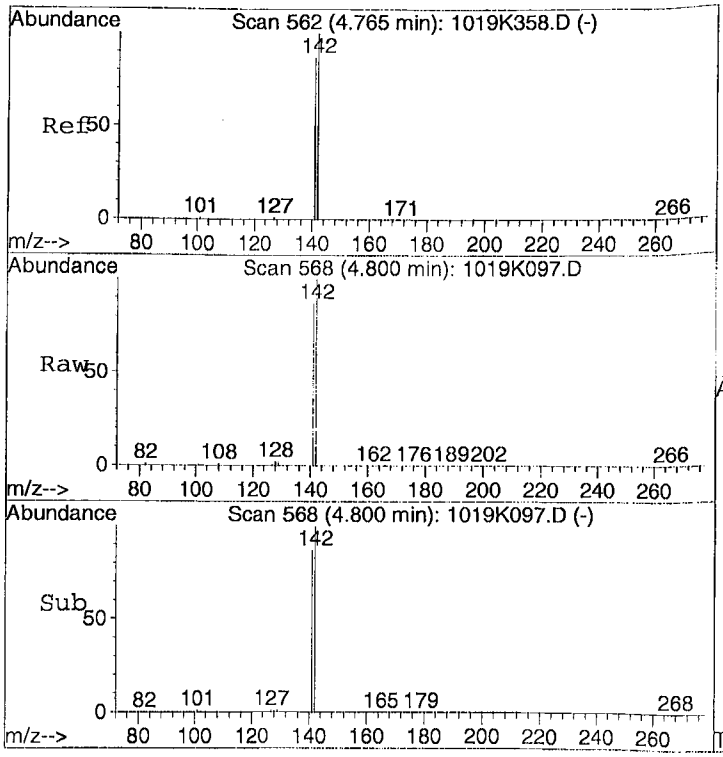


#4
2-Methylnaphthalene
Concen: 20.91 ppb
RT: 4.69 min Scan# 549
Delta R.T. 0.00 min
Lab File: 1019K097.D
Acq: 25 Oct 21 16:40

Tgt Ion:142 Resp: 88304

Ion	Ratio	Lower	Upper
142	100		
141	85.7	59.8	111.0

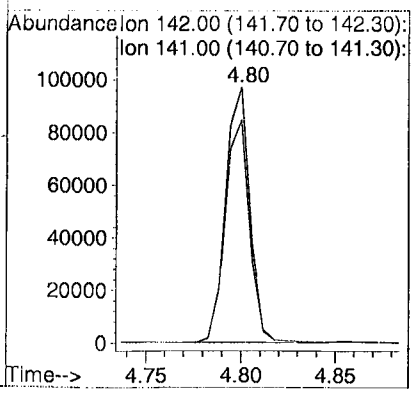




#5
1-Methylnaphthalene
Concen: 20.07 ppb
RT: 4.80 min Scan# 568
Delta R.T. 0.00 min
Lab File: 1019K097.D
Acq: 25 Oct 21 16:40

Tgt Ion:142 Resp: 85533

Ion	Ratio	Lower	Upper
142	100		
141	87.1	61.1	113.5



Quantitation Report (QT Reviewed)

Data File : M:\KYLO\DATA\211019\1019K098.D Vial: 98
Acq On : 25 Oct 21 17:00 Operator: LS
Sample : BA43149W07 1/940 Inst : KYLO
Misc : Multiplr: 1.06

Quant Time: Oct 26 15:08 2021 Quant Results File: K1019.RES

Quant Method : M:\KYLO\DATA\211019\K1019.M (RTE Integrator)
Title : EPA 8270
Last Update : Wed Oct 20 07:46:01 2021
Response via : Initial Calibration
DataAcq Meth : SIM_2

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Napthalene-D8(IS)	3.92	136	16521	2.50	ppb	0.00
6) Acenaphthene-D10(IS)	5.85	164	8433	2.50	ppb	0.00
10) Phenanthrene-D10(IS)	7.56	188	14987	2.50	ppb	0.00
15) Chrysene-D12(IS)	10.62	240	18373	2.50	ppb	0.00
20) Perylene-D12(IS)	12.84	264	16833	2.50	ppb	0.00
System Monitoring Compounds						
3) 2-Methylnaphthalene-D10 (2	4.66	152	31646	3.99	ppb	0.00
Spiked Amount 5.319			Recovery =	75.012%		
13) Fluoranthene-D10 (FRT)	8.93	212	29243	2.66	ppb	0.00
Spiked Amount 5.319			Recovery =	50.064%		

Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration
1019K098.D K1019.M Sat Nov 20 12:22:34 2021

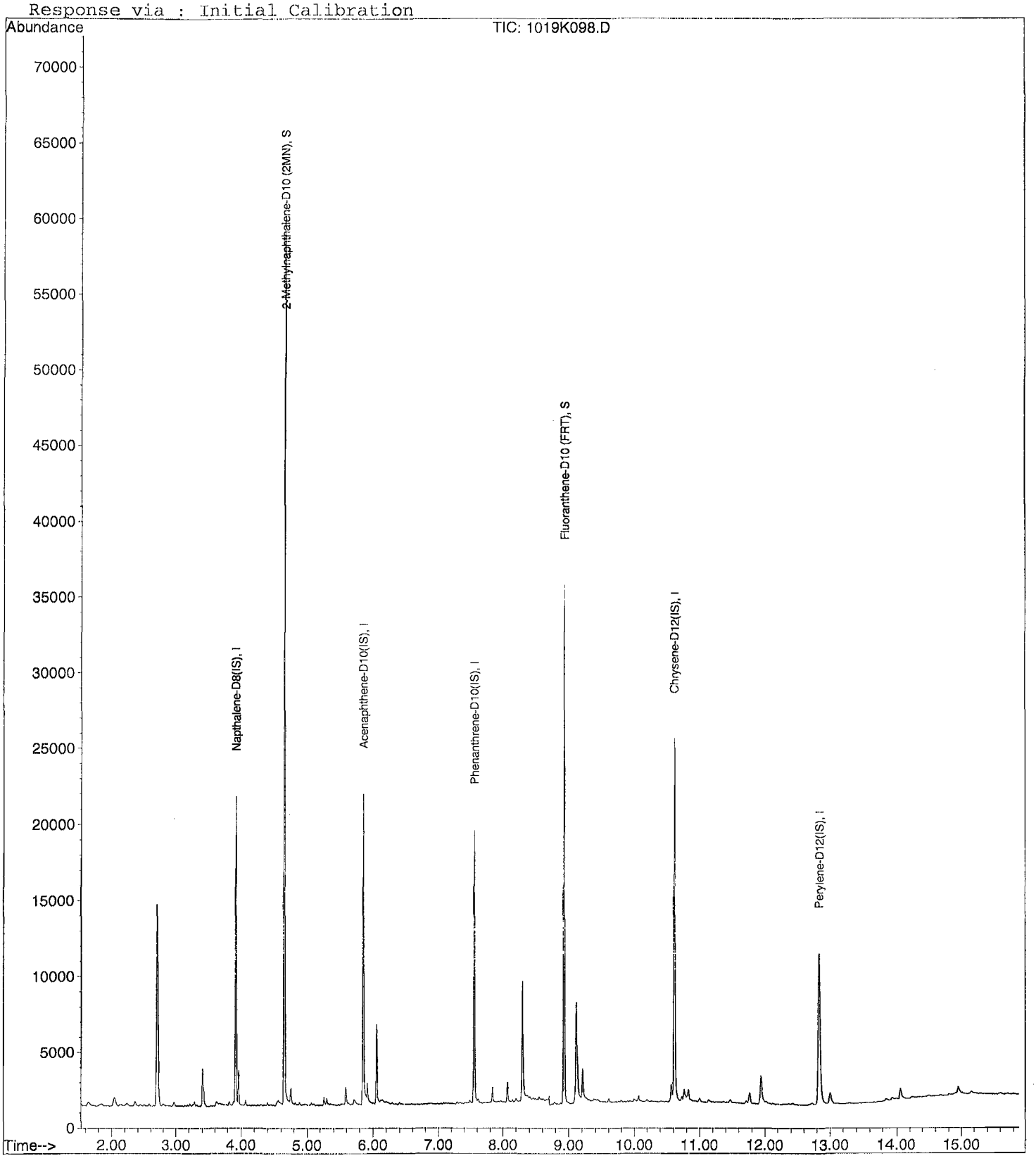
Quantitation Report

Data File : M:\KYLO\DATA\211019\1019K098.D
Acq On : 25 Oct 21 17:00
Sample : BA43149W07 1/940
Misc :

Vial: 98
Operator: LS
Inst : KYLO
Multiplr: 1.06

Quant Time: Oct 26 15:08 2021 Quant Results File: K1019.RES

Method : M:\KYLO\DATA\211019\K1019.M (RTE Integrator)
Title : EPA 8270
Last Update : Thu Nov 18 11:41:54 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\KYLO\DATA\211019\1019K099.D Vial: 99
Acq On : 25 Oct 21 17:20 Operator: LS
Sample : BA43151W07 1/940 Inst : KYLO
Misc : Multiplr: 1.06

Quant Time: Oct 26 15:11 2021 Quant Results File: K1019.RES

Quant Method : M:\KYLO\DATA\211019\K1019.M (RTE Integrator)
Title : EPA 8270
Last Update : Wed Oct 20 07:46:01 2021
Response via : Initial Calibration
DataAcq Meth : SIM_2

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Napthalene-D8(IS)	3.92	136	15508	2.50	ppb	0.00
6) Acenaphthene-D10(IS)	5.85	164	8378	2.50	ppb	0.00
10) Phenanthrene-D10(IS)	7.56	188	14535	2.50	ppb	0.00
15) Chrysene-D12(IS)	10.62	240	18026	2.50	ppb	0.00
20) Perylene-D12(IS)	12.84	264	16442	2.50	ppb	0.00
System Monitoring Compounds						
3) 2-Methylnaphthalene-D10 (2	4.66	152	32487	4.36	ppb	0.00
Spiked Amount 5.319			Recovery = 82.043%			
13) Fluoranthene-D10 (FRT)	8.93	212	39924	3.75	ppb	0.00
Spiked Amount 5.319			Recovery = 70.462%			

Target Compounds Qvalue

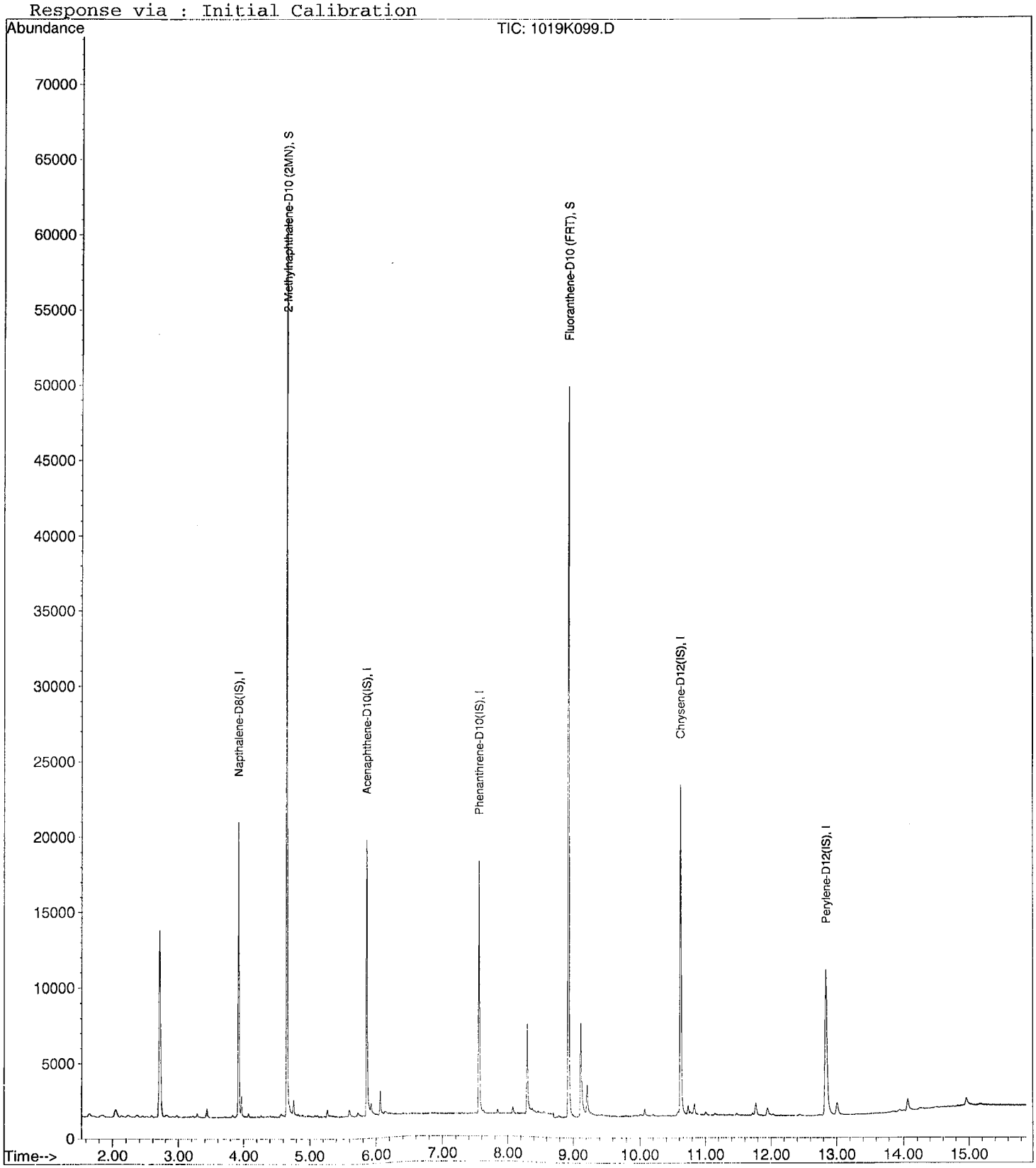
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\KYLO\DATA\211019\1019K099.D Vial: 99
Acq On : 25 Oct 21 17:20 Operator: LS
Sample : BA43151W07 1/940 Inst : KYLO
Misc : Multiplr: 1.06

Quant Time: Oct 26 15:11 2021 Quant Results File: K1019.RES

Method : M:\KYLO\DATA\211019\K1019.M (RTE Integrator)
Title : EPA 8270
Last Update : Thu Nov 18 11:41:54 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\KYLO\DATA\211019\1019K089.D Vial: 89
Acq On : 25 Oct 21 14:01 Operator: LS
Sample : 211019A BLK 1/1000 Inst : KYLO
Misc : Multiplr: 1.00

Quant Time: Oct 25 13:18 2021 Quant Results File: K1019.RES

Quant Method : M:\KYLO\DATA\211019\K1019.M (RTE Integrator)
Title : EPA 8270
Last Update : Wed Oct 20 07:46:01 2021
Response via : Initial Calibration
DataAcq Meth : SIM_2

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Napthalene-D8(IS)	3.92	136	14084	2.50	ppb	0.00
6) Acenaphthene-D10(IS)	5.85	164	7181	2.50	ppb	0.00
10) Phenanthrene-D10(IS)	7.56	188	13020	2.50	ppb	0.00
15) Chrysene-D12(IS)	10.63	240	16393	2.50	ppb	0.01
20) Perylene-D12(IS)	12.84	264	14428	2.50	ppb	0.01
System Monitoring Compounds						
3) 2-Methylnaphthalene-D10 (2	4.66	152	32225	4.48	ppb	0.00
Spiked Amount 5.000			Recovery = 89.620%			
13) Fluoranthene-D10 (FRT)	8.94	212	41367	4.08	ppb	0.00
Spiked Amount 5.000			Recovery = 81.520%			

Target Compounds Qvalue

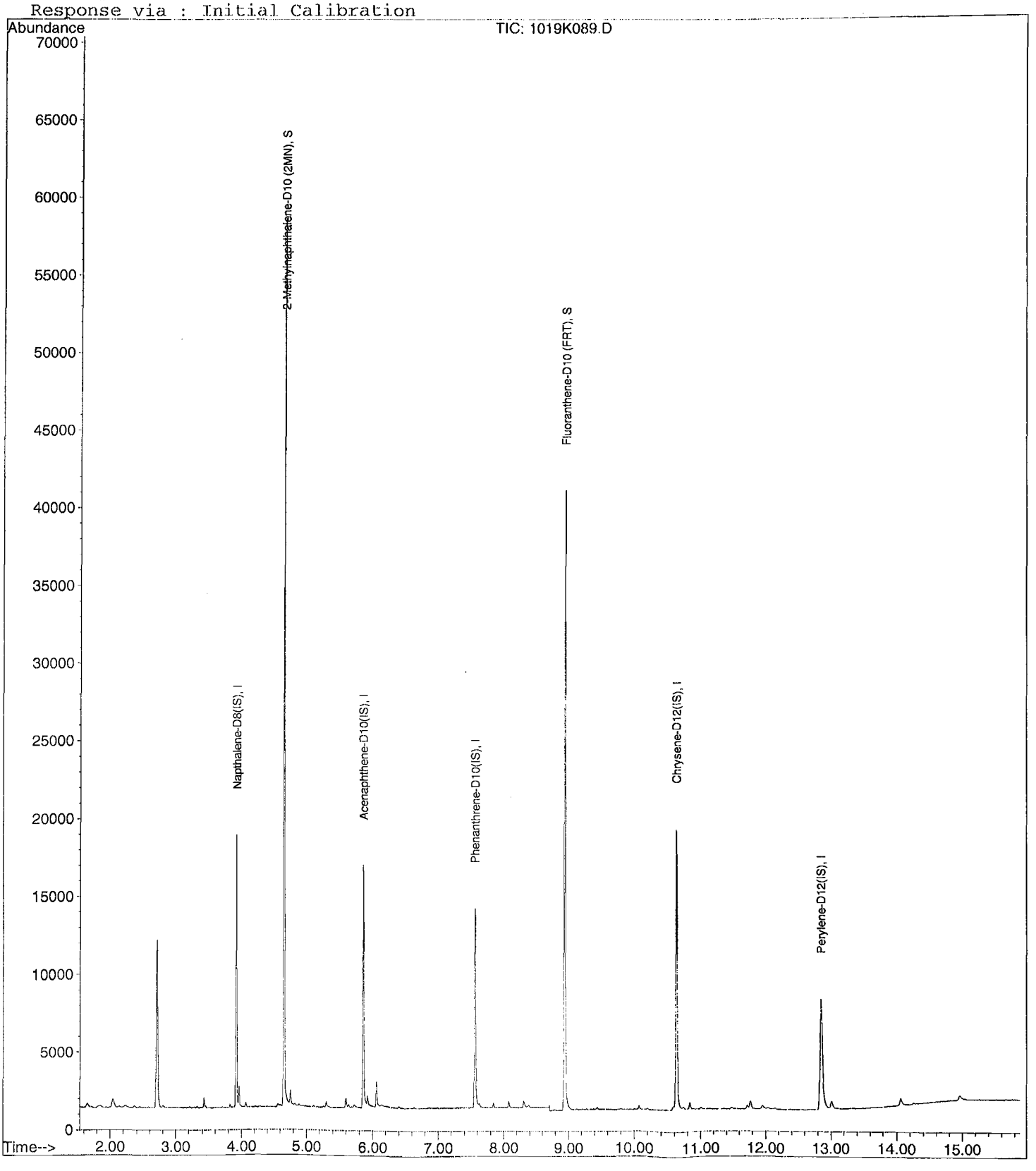
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\KYLO\DATA\211019\1019K089.D Vial: 89
Acq On : 25 Oct 21 14:01 Operator: LS
Sample : 211019A BLK 1/1000 Inst : KYLO
Misc : Multiplr: 1.00

Quant Time: Oct 25 13:18 2021 Quant Results File: K1019.RES

Method : M:\KYLO\DATA\211019\K1019.M (RTE Integrator)
Title : EPA 8270
Last Update : Thu Nov 18 11:41:54 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\KYLO\DATA\211019\1019K090.D Vial: 90
Acq On : 25 Oct 21 14:21 Operator: LS
Sample : 211019A LCS-1 1/1000 Inst : KYLO
Misc : Multiplr: 1.00

Quant Time: Oct 25 13:54 2021 Quant Results File: K1019.RES

Quant Method : M:\KYLO\DATA\211019\K1019.M (RTE Integrator)
Title : EPA 8270
Last Update : Wed Oct 20 07:46:01 2021
Response via : Initial Calibration
DataAcq Meth : SIM_2

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Napthalene-D8(IS)	3.92	136	14575	2.50	ppb		0.00
6) Acenaphthene-D10(IS)	5.85	164	7791	2.50	ppb		0.00
10) Phenanthrene-D10(IS)	7.56	188	14362	2.50	ppb		0.00
15) Chrysene-D12(IS)	10.62	240	18224	2.50	ppb		0.00
20) Perylene-D12(IS)	12.84	264	16452	2.50	ppb		0.00
System Monitoring Compounds							
3) 2-Methylnaphthalene-D10 (2	4.66	152	30369	4.08	ppb		0.00
Spiked Amount 5.000			Recovery =	81.600%			
13) Fluoranthene-D10 (FRT)	8.93	212	42531	3.80	ppb		0.00
Spiked Amount 5.000			Recovery =	75.980%			
Target Compounds							Qvalue
2) Naphthalene	3.94	128	31166	4.12	ppb		100
4) 2-Methylnaphthalene	4.69	142	19296	4.35	ppb		98
5) 1-Methylnaphthalene	4.79	142	19428	4.34	ppb		98
7) Acenaphthylene	5.69	152	72174	4.47	ppb		99
8) Acenaphthene	5.89	154	18405	4.31	ppb		100
9) Fluorene	6.49	166	22817	4.61	ppb		98
11) Phenanthrene	7.58	178	31553	3.99	ppb		100
12) Anthracene	7.64	178	29460	3.95	ppb		99
14) Fluoranthene	8.95	202	52720	4.29	ppb		94
16) Pyrene	9.21	202	54350	3.90	ppb		95
17) Benz (a) anthracene	10.61	228	41266	4.04	ppb		100
18) Chrysene	10.65	228	44164	3.89	ppb		98
19) Indeno (1,2,3-cd) pyrene	14.38	276	43024	5.24	ppb	#	97
21) Benzo (b) fluoranthene	12.14	252	37513	4.05	ppb		99
22) Benzo (k) fluoranthene	12.19	252	43797	4.13	ppb		98
23) Benzo (a) pyrene	12.73	252	36079	4.09	ppb		99
24) Dibenz (a,h) anthracene	14.42	278	35919	4.12	ppb		100
25) Benzo (g,h,i) perylene	14.70	276	37666	3.97	ppb		96

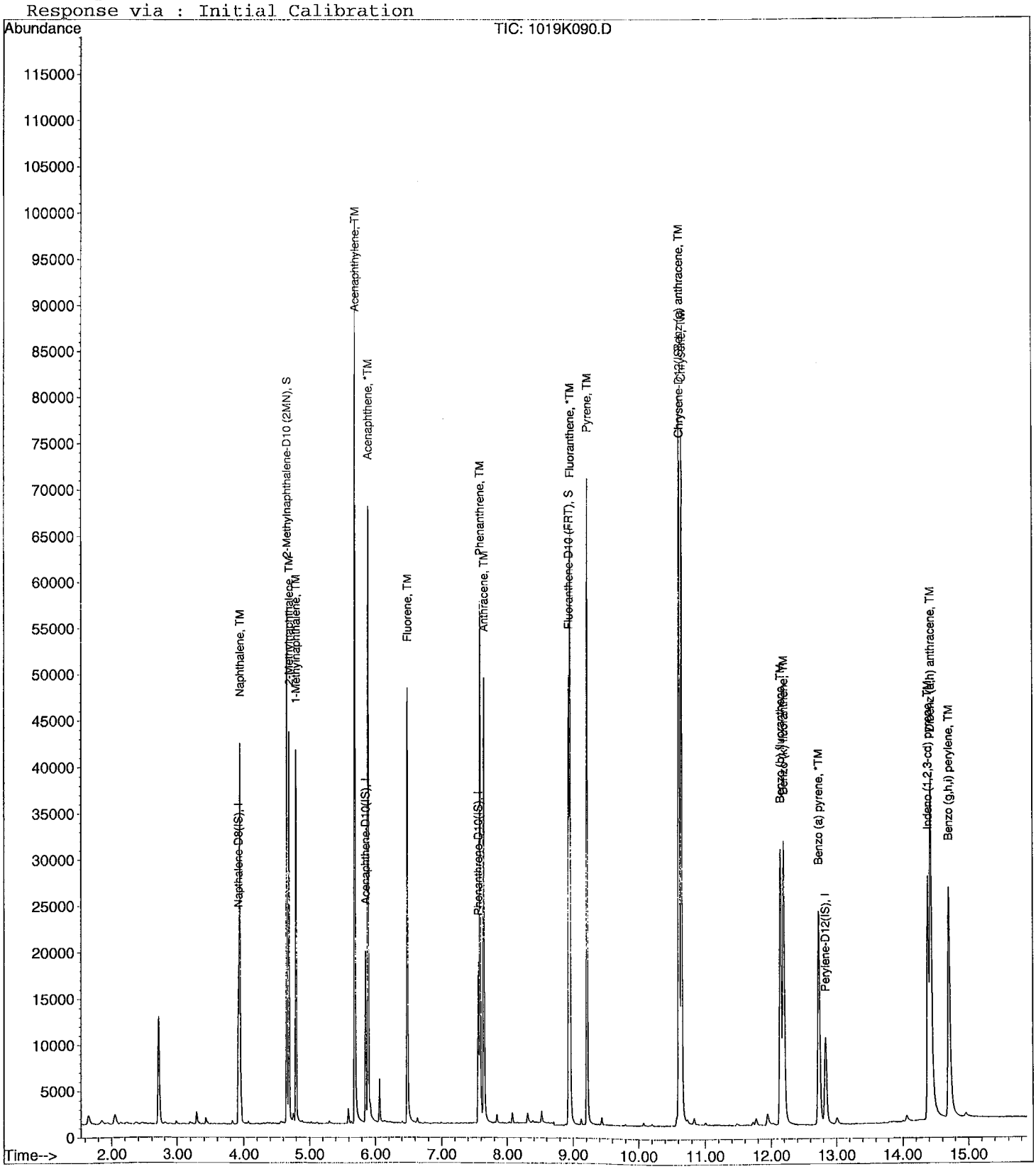
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\KYLO\DATA\211019\1019K090.D Vial: 90
Acq On : 25 Oct 21 14:21 Operator: LS
Sample : 211019A LCS-1 1/1000 Inst : KYLO
Misc : Multiplr: 1.00

Quant Time: Oct 25 13:54 2021 Quant Results File: K1019.RES

Method : M:\KYLO\DATA\211019\K1019.M (RTE Integrator)
Title : EPA 8270
Last Update : Thu Nov 18 11:41:54 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\KYLO\DATA\211019\1019K091.D Vial: 91
Acq On : 25 Oct 21 14:41 Operator: LS
Sample : 211019A LCSD-1 1/1000 Inst : KYLO
Misc : Multiplr: 1.00

Quant Time: Oct 25 14:14 2021 Quant Results File: K1019.RES

Quant Method : M:\KYLO\DATA\211019\K1019.M (RTE Integrator)
Title : EPA 8270
Last Update : Wed Oct 20 07:46:01 2021
Response via : Initial Calibration
DataAcq Meth : SIM_2

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Napthalene-D8(IS)	3.92	136	15697	2.50	ppb		0.00
6) Acenaphthene-D10(IS)	5.85	164	8090	2.50	ppb		0.00
10) Phenanthrene-D10(IS)	7.56	188	14063	2.50	ppb		0.00
15) Chrysene-D12(IS)	10.62	240	17787	2.50	ppb		0.00
20) Perylene-D12(IS)	12.84	264	15905	2.50	ppb		0.00
System Monitoring Compounds							
3) 2-Methylnaphthalene-D10 (2	4.66	152	33706	4.20	ppb		0.00
Spiked Amount 5.000			Recovery	=	84.100%		
13) Fluoranthene-D10 (FRT)	8.93	212	41515	3.79	ppb		0.00
Spiked Amount 5.000			Recovery	=	75.740%		
Target Compounds							Qvalue
2) Naphthalene	3.94	128	33917	4.16	ppb		100
4) 2-Methylnaphthalene	4.69	142	20626	4.32	ppb		98
5) 1-Methylnaphthalene	4.79	142	20667	4.29	ppb		98
7) Acenaphthylene	5.69	152	73220	4.37	ppb		99
8) Acenaphthene	5.89	154	18493	4.17	ppb		100
9) Fluorene	6.49	166	22667	4.41	ppb		98
11) Phenanthrene	7.59	178	30473	3.94	ppb		99
12) Anthracene	7.64	178	28694	3.93	ppb		99
14) Fluoranthene	8.95	202	51010	4.24	ppb		96
16) Pyrene	9.21	202	52379	3.85	ppb		94
17) Benz (a) anthracene	10.61	228	39826	3.99	ppb		100
18) Chrysene	10.65	228	41636	3.76	ppb		99
19) Indeno (1,2,3-cd) pyrene	14.39	276	28590	3.63	ppb	#	100
21) Benzo (b) fluoranthene	12.14	252	35496	3.96	ppb		100
22) Benzo (k) fluoranthene	12.20	252	41356	4.04	ppb		98
23) Benzo (a) pyrene	12.73	252	34116	4.00	ppb		99
24) Dibenz (a,h) anthracene	14.43	278	33914	4.02	ppb		99
25) Benzo (g,h,i) perylene	14.70	276	35430	3.86	ppb		97

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

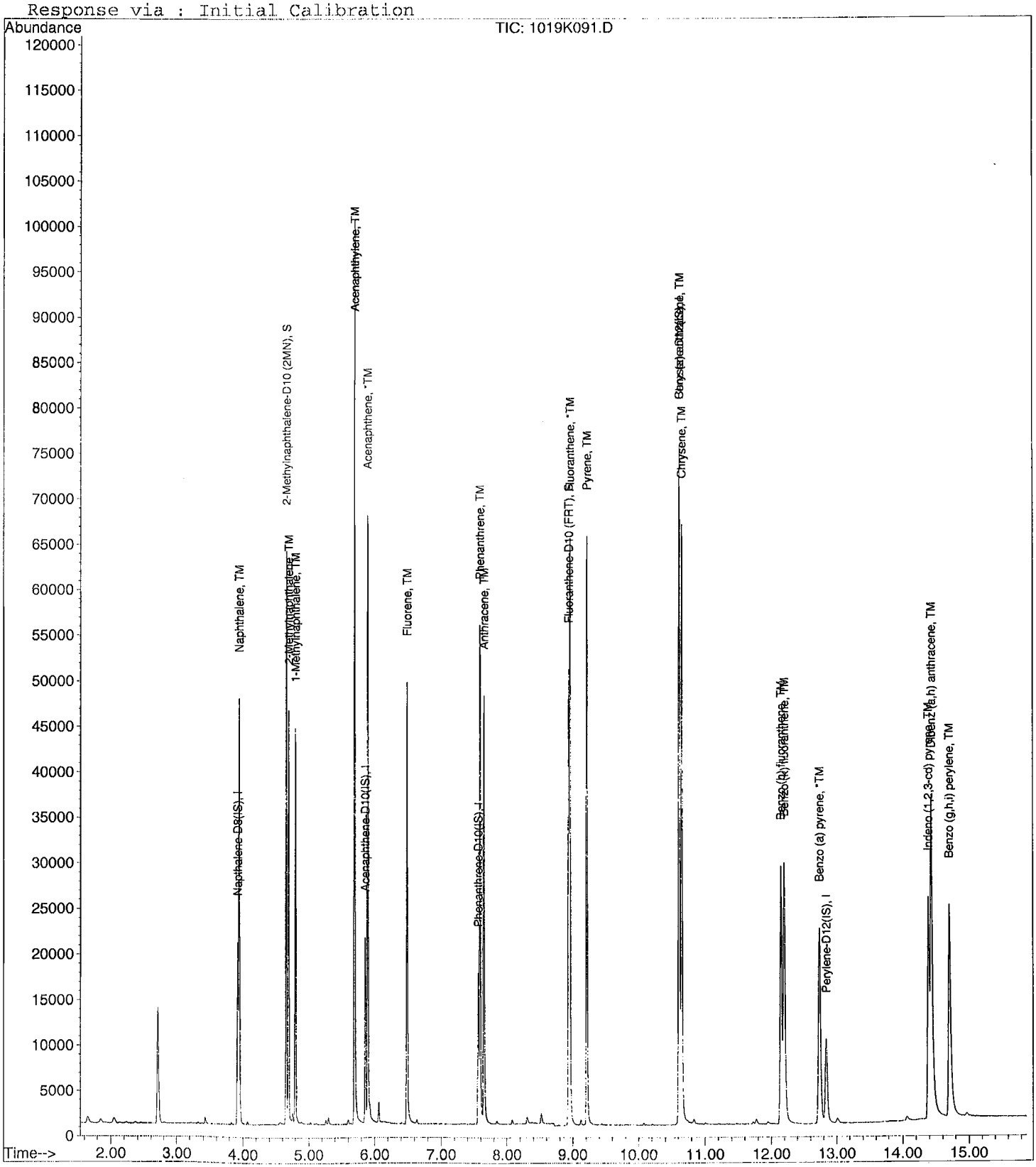
Quantitation Report

Data File : M:\KYLO\DATA\211019\1019K091.D
Acq On : 25 Oct 21 14:41
Sample : 211019A LCSD-1 1/1000
Misc :

Vial: 91
Operator: LS
Inst : KYLO
Multiplr: 1.00

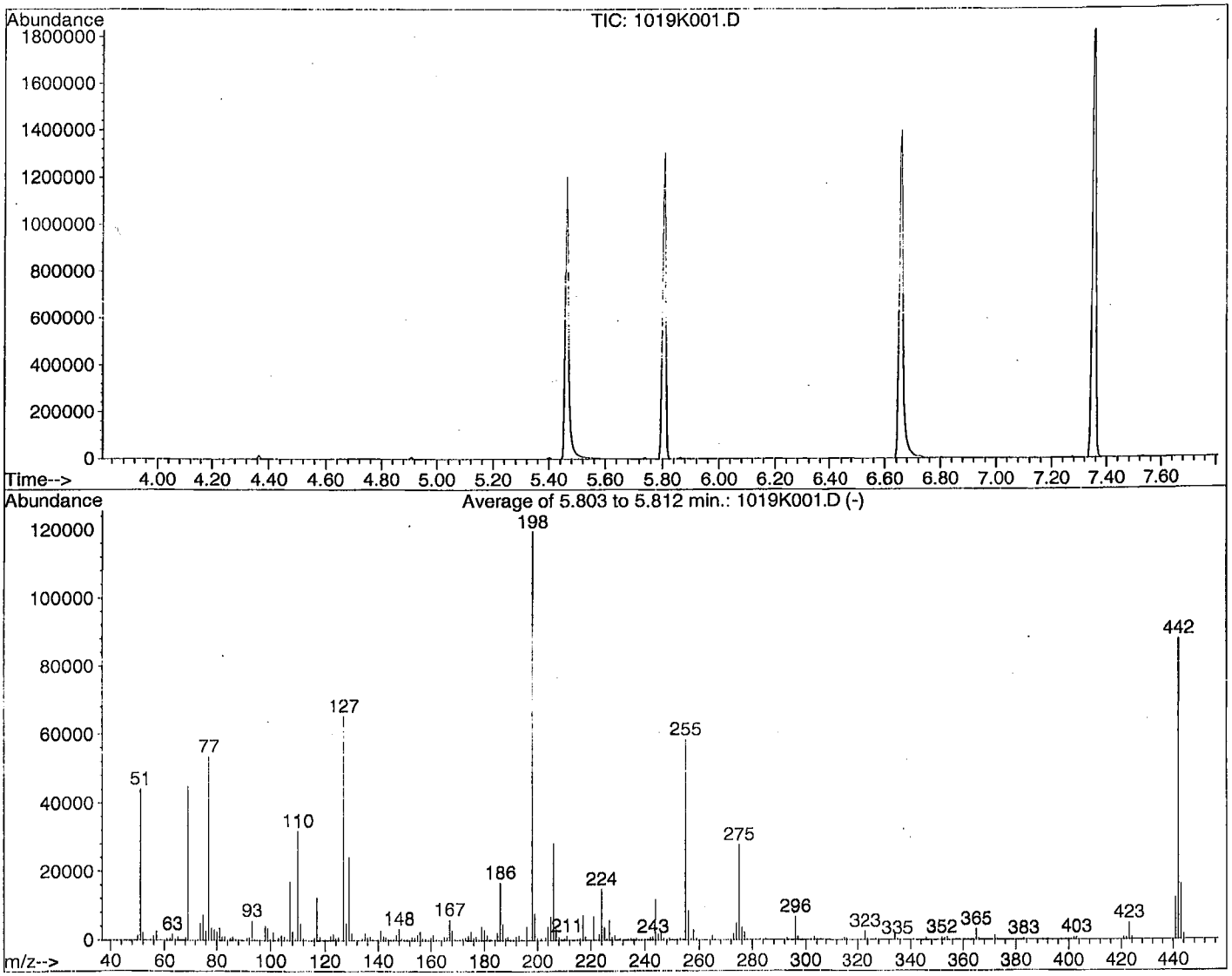
Quant Time: Oct 25 14:14 2021 Quant Results File: K1019.RES

Method : M:\KYLO\DATA\211019\K1019.M (RTE Integrator)
Title : EPA 8270
Last Update : Thu Nov 18 11:41:54 2021
Response via : Initial Calibration



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

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



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

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

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

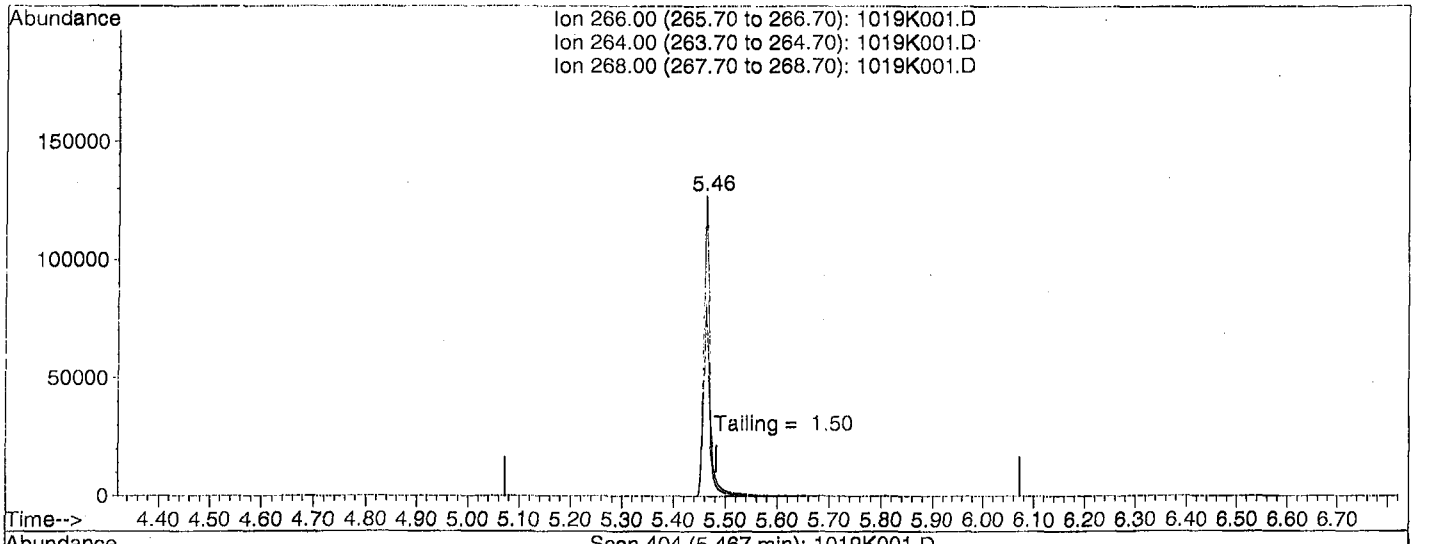
#	Name	Ret Time	Target Response
1)	DDT	7.36	16763500
2)	DDD	7.13	0
3)	DDE	6.80	0

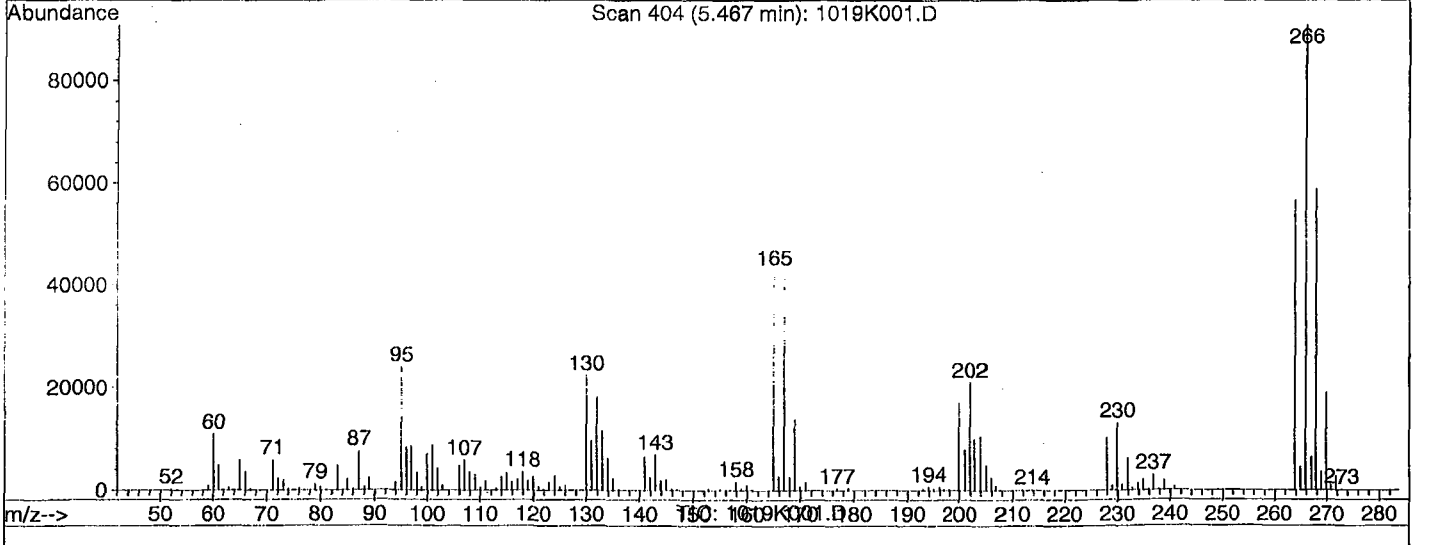
Breakdown **0.00**

Quantitation Report

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

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





(5) Pentachlorophenol

5.47min 0.0000

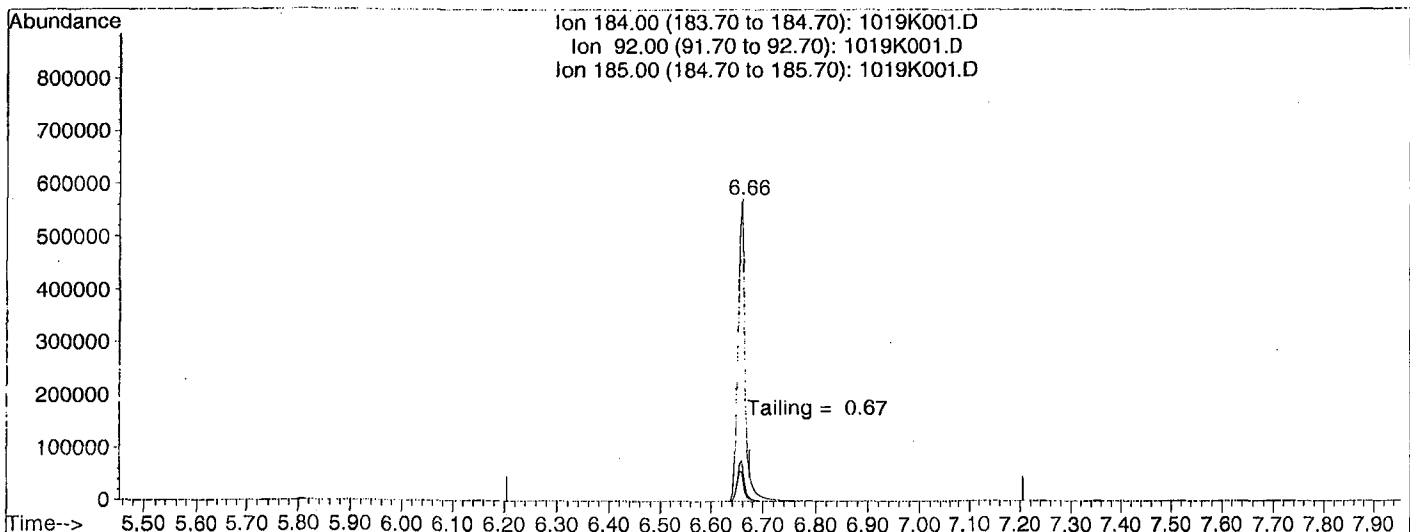
response 1053940

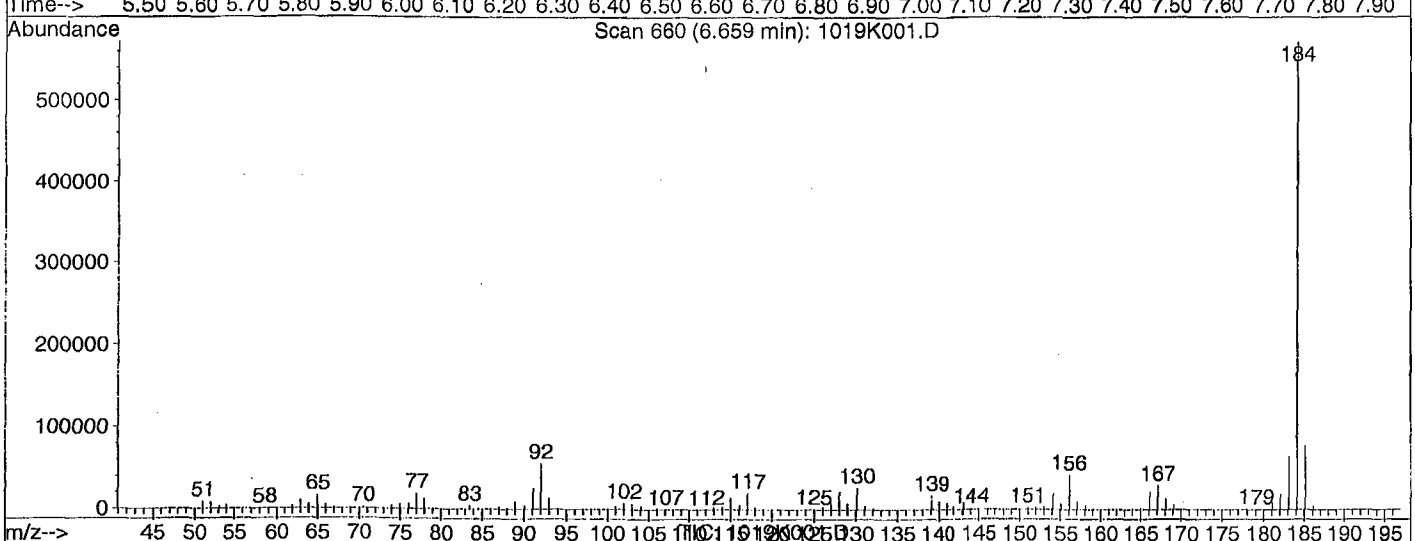
Ion	Exp%	Act%
266.00	100	100
264.00	62.30	62.20
268.00	62.40	62.61
0.00	0.00	0.00

Quantitation Report

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

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





(6) Benzidine

6.66min 0.0000

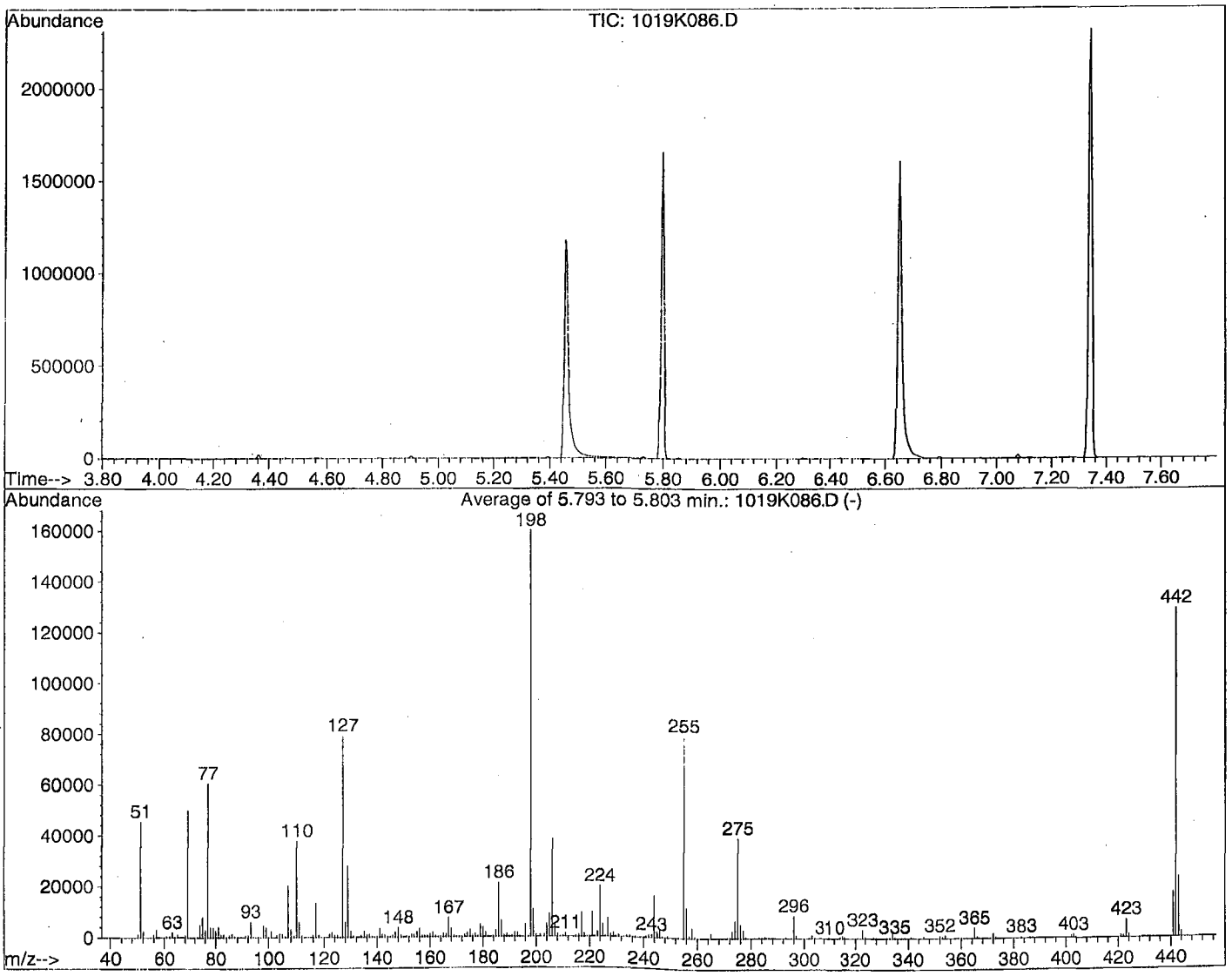
response 5630975

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

Data File : M:\KYLO\DATA\211019\1019K086.D
Acq On : 25 Oct 21 13:06
Sample : SV TUNE 7/2/21
Misc :

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

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



AutoFind: Scans 474, 475, 476; Background Corrected with Scan 468

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	28.4	45558	PASS
68	69	0.00	2	1.6	807	PASS
70	69	0.00	2	0.4	203	PASS
127	198	10	80	49.5	79376	PASS
197	198	0.00	2	0.3	517	PASS
198	198	100	100	100.0	160235	PASS
199	198	5	9	6.7	10725	PASS
275	198	10	60	24.4	39125	PASS
365	198	1	100	2.4	3907	PASS
441	442	0.01	24	13.6	17630	PASS
442	198	50	500	80.7	129277	PASS
443	442	15	24	18.2	23513	PASS

1019K086.D K1019.M Mon Oct 25 13:15:16 2021

Data File Name:	**1019K086.D**
Data File Path:	**M:\KYLO\DATA\211019**
Operator:	**LS**
Date Acquired:	**25 Oct 2021 13:06**
Method File:	**DFTPP2.M**
Sample Name:	**SV TUNE 7/2/21**
Vial Number:	**86**
Instrument Name:	**KYLO**

#	Name	Ret Time	Target Response
1)	DDT	7.36	19869800
2)	DDD	7.13	134095
3)	DDE	6.80	0

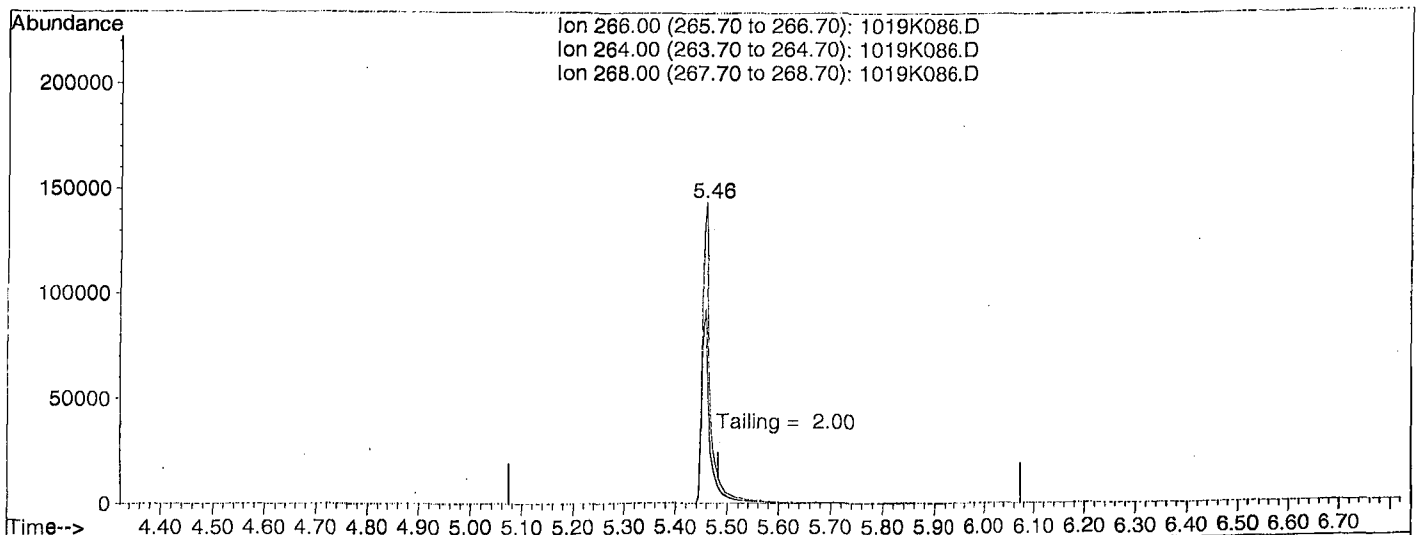
Breakdown **0.67**

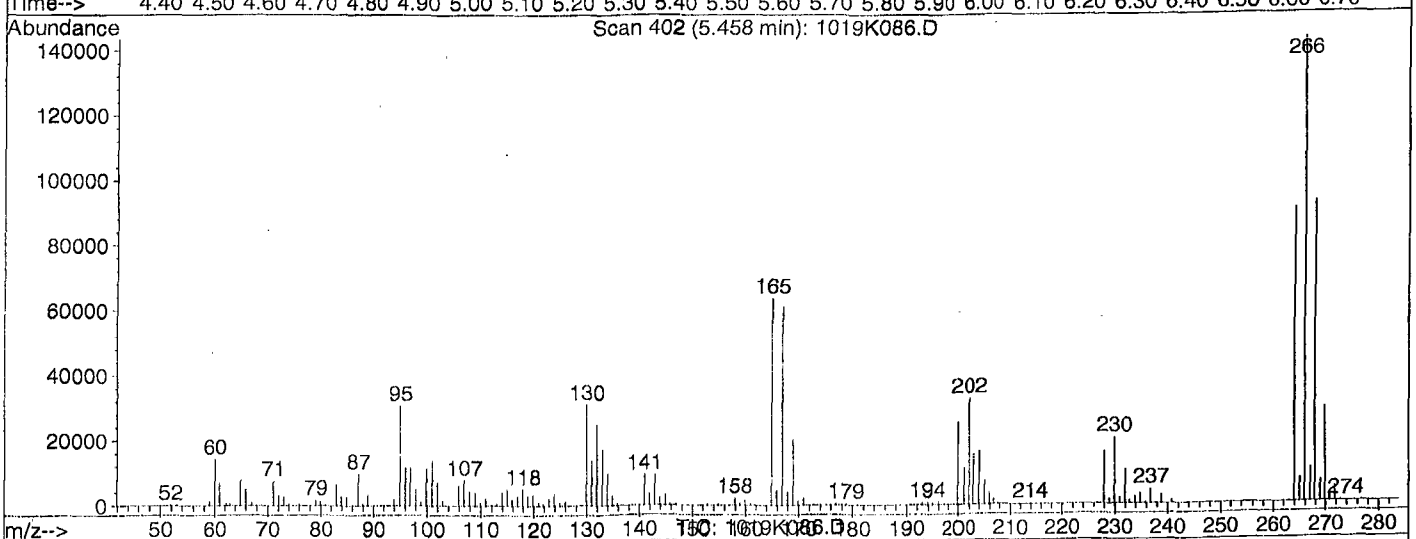
Quantitation Report

Data File : M:\KYLO\DATA\211019\1019K086.D
Acq On : 25 Oct 21 13:06
Sample : SV TUNE 7/2/21
Misc :
Quant Time: Oct 25 13:15 2021

Vial: 86
Operator: LS
Inst : KYLO
Multiplr: 1.00
Quant Results File: temp.res

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





(5) Pentachlorophenol

5.46min 0.0000

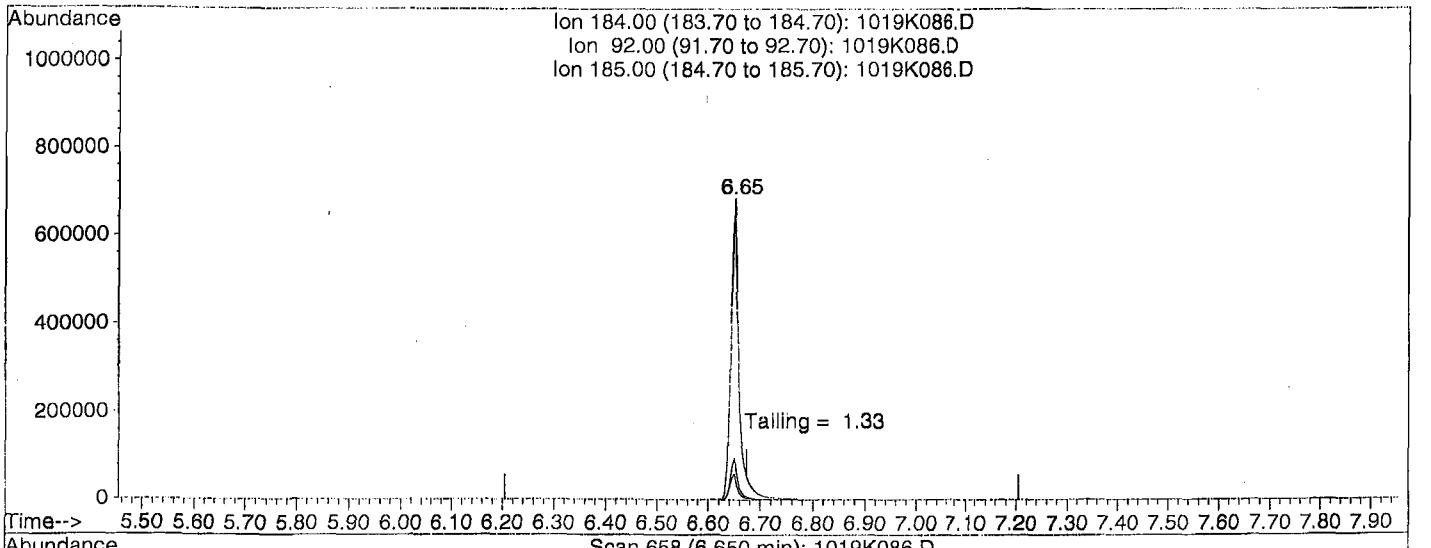
response 1493152

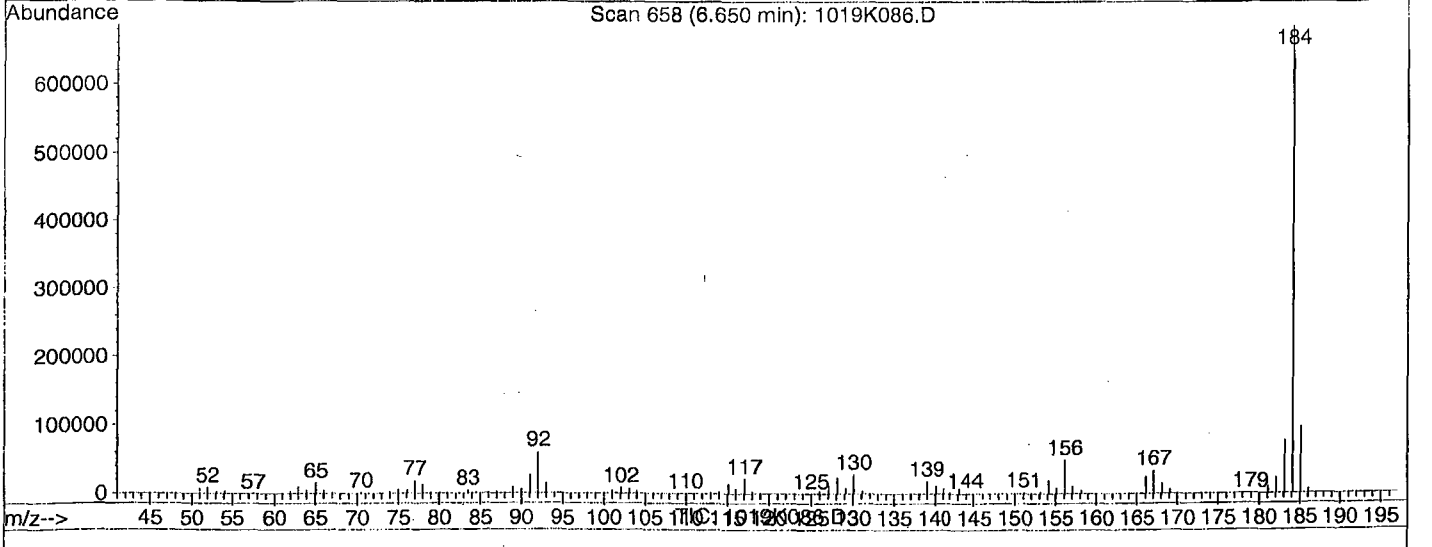
Ion	Exp%	Act%
266.00	100	100
264.00	62.30	63.54
268.00	62.40	64.45
0.00	0.00	0.00

Quantitation Report

Data File : M:\KYLO\DATA\211019\1019K086.D Vial: 86
Acq On : 25 Oct 21 13:06 Operator: LS
Sample : SV TUNE 7/2/21 Inst : KYLO
Misc : Multiplr: 1.00
Quant Time: Oct 25 13:15 2021 Quant Results File: temp.res

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





(6) Benzidine

6.65min 0.0000

response 7478723

Ion	Exp%	Act%
184.00	100	100
92.00	9.50	8.90
185.00	13.20	13.94
0.00	0.00	0.00

Name of Final Standard	**SIM Curve**	**Prep'd By (Initials)**	**LS**
Prep Date	**10/13/2021**		
Exp Date	**6/17/2022**		

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

Name of Final Standard	**8270 PAH SIM Second Source**	**Prep'd By (Initials)**	**LS**
Prep Date	**10/13/2021**		
Exp Date	**6/17/2022**		

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

Name of Final Standard: **PAH SIM Stock (Ampule)** Prep'd By (Initials): **LS**

Prep Date: **6/17/2021**

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

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

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

Prep Date: **6/17/2021**

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

Initial Standard Information						Final Standard Information			
Name of Initial Standard (from contianer Label)	Supplier	Supplier P/N# (or APPL Mix Name)	Conc.(range)	Lot # with QA # (or reference to APPL prep date)	Exp Date	Aliquot from Stock	Final Volume	Final Solvent + Lot# (or APPL Prep Date)	Final Standard Conc (range)
Sim Surrogate Deuterated	Restek	33913	2000 ug/mL	**A0161454-50793**	**5/31/2026**	1 mL	20 mL	**Acetone #0246130**	100 ug/mL

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

Prep Date: **6/17/2021**

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

Initial Standard Information						Final Standard Information			
Name of Initial Standard (from contianer Label)	Supplier	Supplier P/N# (or APPL Mix Name)	Conc.(range)	Lot # with QA # (or reference to APPL prep date)	Exp Date	Aliquot from Stock	Final Volume	Final Solvent + Lot# (or APPL Prep Date)	Final Standard Conc (range)
SV Internal Standard	Restek	31206	2000 ug/mL	**A0162879-50593**	**6/30/2026**	625uL	10mL	**MC 60338**	125 ug/mL

Name of Final Standard: **SIM SS Stock (Ampule second source)** Prep'd By: **LS**

Prep Date: **6/17/2021**

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

Initial Standard Information						Final Standard Information			
Name of Initial Standard (from contianer Label)	Supplier	Supplier P/N# (or APPL Mix Name)	Conc.(range)	Lot # with QA # (or reference to APPL prep date)	Exp Date	Aliquot from Stock	Final Volume	Final Solvent + Lot# (or APPL Prep Date)	Final Standard Conc (range)
Custom PAH SIM Mix	Phenova	ALO-130490	200 ug/mL	**CL13117-51757**	**12/31/2022**	1000 uL	1mL	**NA**	200 ug/mL

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

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

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

Initial Standard Information						Final Standard Information			
Name of Initial Standard (from contianer Label)	Supplier	Supplier P/N# (or APPL Mix Name)	Conc.(range)	Lot # with QA # (or reference to APPL prep date)	Exp Date	Aliquot from Stock	Final Volume	Final Solvent + Lot# (or APPL Prep Date)	Final Standard Conc (range)
Sim Surrogate Deuterated	Restek	33913	2000 ug/mL	**A0161454-50793**	**5/31/2026**	1 mL	20 mL	**Acetone #0246130**	100 ug/mL

Name of Final Standard	8270 SIM PAH Internal Standard	Prep'd By (Initials)	LS
Prep Date	6/17/2021		
Exp Date	6/17/2022		

Initial Standard Information						Final Standard Information			
Name of Initial Standard (from contianer Label)	Supplier	Supplier P/N# (or APPL Mix Name)	Conc.(range)	Lot # with QA # (or reference to APPL prep date)	Exp Date	Aliquot from Stock	Final Volume	Final Solvent + Lot# (or APPL Prep Date)	Final Standard Conc (range)
SV Internal Standard	Restek	31206	2000 ug/mL	**A0162879-50593**	**6/30/2026**	625uL	10mL	**MC 60338**	125 ug/mL

Name of Final Standard	SIM SS Stock (Ampule second source)	Prep'd By	LS
Prep Date	6/17/2021		
Exp Date	6/17/2022		

Initial Standard Information						Final Standard Information			
Name of Initial Standard (from contianer Label)	Supplier	Supplier P/N# (or APPL Mix Name)	Conc.(range)	Lot # with QA # (or reference to APPL prep date)	Exp Date	Aliquot from Stock	Final Volume	Final Solvent + Lot# (or APPL Prep Date)	Final Standard Conc (range)
Custom PAH SIM Mix	Phenova	ALO-130490	200 ug/mL	**CL13117-51757**	**12/31/2022**	1000 uL	1mL	**NA**	200 ug/mL

Name of Final Standard	**5 SIM CCV (2x)**	**Prep'd By (Initials)**	**LS**
Prep Date	**10/19/2021**		
Exp Date	**6/17/2022**		

Initial Standard Information						Final Standard Information			
Name of Initial Standard (from container Label)	Supplier	Supplier P/N# (or APPL Mix Name)	Conc.(range)	Lot # with QA # (or reference to APPL prep date)	Exp Date	Aliquot from Stock	Final Volume	Final Solvent + Lot# (or APPL Prep Date)	Final Standard Conc (range)
SIM STOCK	APPL	SIM STOCK	200 ug/mL	**6/17/2021**	**12/31/2022**	5 uL	200uL	**MC 61117 190 uL**	5.0 ug/mL
SIM SURROGATE	APPL	SIM SURR	100 ug/mL	**6/17/2021**	**5/31/2026**	5 uL	*	*	2.5ug/mL
SIM Internal Standard	APPL	SIM Internal Standard	125 ug/mL	**6/17/2021**	**6/30/2026**	4 uL	*	*	2.5ug/mL

Name of Final Standard	**SIM Surrogate**	**Prep'd By (Initials)**	**LS/IC**
Prep Date	**9/21/2021**		
Exp Date	**9/21/2022**		

Initial Standard Information						Final Standard Information			
Name of Initial Standard (from contianer Label)	Supplier	Supplier P/N# (or APPL Mix Name)	Conc.(range)	Lot # with QA # (or reference to APPL prep date)	Exp Date	Aliquot from Stock	Final Volume	Final Solvent + Lot# (or APPL Prep Date)	Final Standard Conc (range)
Sim Surrogate Deuterated	Restek	33913	2000 ug/mL	**A0173323-52639**	5/31/2027	1 mL	20 mL	**Acetone #0246130**	100 ug/mL

Name of Final Standard	SIM Surrogate	Prep'd By (Initials)	LS
Prep Date	8/24/2021		
Exp Date	8/24/2022		

Initial Standard Information						Final Standard Information			
Name of Initial Standard (from contianer Label)	Supplier	Supplier P/N# (or APPL Mix Name)	Conc.(range)	Lot # with QA # (or reference to APPL prep date)	Exp Date	Allquot from Stock	Final Volume	Final Solvent + Lot# (or APPL Prep Date)	Final Standard Conc (range)
Sim Surrogate Deuterated	Restek	33913	2000 ug/mL	A0173323-52640	5/31/2027	1 mL	20 mL	Acetone #0246130	100 ug/mL

Name of Final Standard	**SIM Spike**	**Prep'd By (Initials)**	**LS**
Prep Date	**8/5/2021**		
Exp Date	**5/28/2022**		

Initial Standard Information						Final Standard Information			
Name of Initial Standard (from contianer Label)	Supplier	Supplier P/N# (or APPL Mix Name)	Conc.(range)	Lot # with QA # (or reference to APPL prep date)	Exp Date	Aliquot from Stock	Final Volume	Final Solvent + Lot# (or APPL Prep Date)	Final Standard Conc (range)
Custom PAH Sim Mix	Phenova	AL0-130490	200 ug/mL	**CL13121-50766,50767,50771,52444,52445**	**5/28/2022**	5 mL	25 mL	**Acetone 0246130**	40 ug/mL

Name of Final Standard	**5 SIM CCV (2x)**	**Prep'd By (Initials)**	**LS**
Prep Date	**10/19/2021**		
Exp Date	**6/17/2022**		

Initial Standard Information						Final Standard Information			
Name of Initial Standard (from container Label)	Supplier	Supplier P/N# (or APPL Mix Name)	Conc.(range)	Lot # with QA # (or reference to APPL prep date)	Exp Date	Aliquot from Stock	Final Volume	Final Solvent + Lot# (or APPL Prep Date)	Final Standard Conc (range)
SIM STOCK	APPL	SIM STOCK	200 ug/mL	**6/17/2021**	**12/31/2022**	5 uL	200uL	**MC 61117 190 uL**	5.0 ug/mL
SIM SURROGATE	APPL	SIM SURR	100 ug/mL	**6/17/2021**	**5/31/2026**	5 uL	*	*	2.5ug/mL
SIM Internal Standard	APPL	SIM Internal Standard	125 ug/mL	**6/17/2021**	**6/30/2026**	4 uL	*	*	2.5ug/mL

Name of Final Standard	SIM Surrogate	Prep'd By (Initials)	LS
Prep Date	8/24/2021		
Exp Date	8/24/2022		

Initial Standard Information						Final Standard Information			
Name of Initial Standard (from contianer Label)	Supplier	Supplier P/N# (or APPL Mix Name)	Conc.(range)	Lot # with QA # (or reference to APPL prep date)	Exp Date	Aliquot from Stock	Final Volume	Final Solvent + Lot# (or APPL Prep Date)	Final Standard Conc (range)
Sim Surrogate Deuterated	Restek	33913	2000 ug/mL	A0173323-52640	5/31/2027	1 mL	20 mL	Acetone #0246130	100 ug/mL

Name of Final Standard	SIM Surrogate	Prep'd By (Initials)	LS/IC
Prep Date	9/21/2021		
Exp Date	9/21/2022		

Initial Standard Information						Final Standard Information			
Name of Initial Standard (from contianer Label)	Supplier	Supplier P/N# (or APPL Mix Name)	Conc.(range)	Lot # with QA # (or reference to APPL prep date)	Exp Date	Aliquot from Stock	Final Volume	Final Solvent + Lot# (or APPL Prep Date)	Final Standard Conc (range)
Sim Surrogate Deuterated	Restek	33913	2000 ug/mL	A0173323-52639	5/31/2027	1 mL	20 mL	Acetone #0246130	100 ug/mL

Organic Extraction Worksheet

Method	Continuous Liquid/Liquid SVOC 3520C	Extraction Set	211019A	Extraction Method	LIQ003	Units	mL

Spiked ID 1	Sim Spike 8/5/21 - 5/28/22		Surrogate ID 1	SIM Surrogate 10/11/21 - 10/11/22	
Spiked ID 2			Surrogate ID 2		
Spiked ID 3			Surrogate ID 3		
Spiked ID 4			Surrogate ID 4		
Spiked ID 5			Surrogate ID 5		
Spiked ID 6			Sufficient Vol for Matrix QC:	NO	
Spiked ID 7			Ext. Start Time:	10/19/21 12:25	
Spiked ID 8			Ext. End Time:	10/20/21 7:20	
			GC Requires Extract By:		

pH1	14	10/19/21 10:35	Water Bath Temp 1 °C	
pH2	14	10/20/21 9:15	Water Bath Temp 2 °C	
pH3			Water Bath Temp 3 °C	

Spiked By: SR **Date** 10/19/2021 **Witnessed By:** CG **Date** 10/19/2021

	Sample	Sample Container	Spike Amount	Spike ID	Surrogate Amount	Surrogate ID	Extract Amount	Final Volume	pH	Extract Date/Time	Comments
1	211019A Blk				0.050	1	1000	1	14	10/19/21 10:26	
						equip	E-HP1				
2	211019A LCS-1		0.125	1	0.050	1	1000	1	14	10/19/21 10:26	
						equip	E-HP3				
3	211019A LCSD-1		0.125	1	0.050	1	1000	1	14	10/19/21 10:26	
						equip	E-HP6				
4	BA42994	BA42994W08			0.050	1	950	1	14	10/19/21 10:26	97833 Extract went dry during extraction
						equip	E-HP7				
5	BA42994 DUP	BA42994W07			0.050	1	1000	1	14	10/20/21 9:10	97833 on: 10/20/21@09:30 off: 10/21/21@07:00
						equip	E-HP7				
6	BA42996	BA42996W08			0.050	1	950	1	14	10/19/21 10:26	97833
						equip	E-HP8				
7	BA42997	BA42997W05			0.050	1	950	1	14	10/19/21 10:26	97833
						equip	E-HP9				
8	BA43145	BA43145W07			0.050	1	1000	1	14	10/19/21 10:26	97850
						equip	E-HP10				
9	BA43147	BA43147W07			0.050	1	950	1	14	10/19/21 10:26	97850
						equip	E-HP11				
10	BA43149	BA43149W07			0.050	1	940	1	14	10/19/21 10:26	97850
						equip	E-HP12				
11	BA43151	BA43151W07			0.050	1	940	1	14	10/19/21 10:26	97850
						equip	E-HP13				
12	BA43156	BA43156W07			0.050	1	950	1	14	10/19/21 10:26	97851
						equip	E-HP21				
13	BA43157	BA43157W06			0.050	1	950	1	14	10/19/21 10:26	97851
						equip	E-HP22				
14	BA43158	BA43158W06			0.050	1	1000	1	14	10/19/21 10:26	97851
						equip	E-HP23				

Solvent and Lot#	
PH Strips	HC155968
10N NaOH (10mLs)	10/18/21 - 10/1
Dichloromethane (300mL)	61117
Filter Paper	400196
Na2SO4	2021071206

Extraction COC Transfer	
Extraction lab employee Initials	KY
GC analyst's initials	LS
Date	
Time	
Refrigerator	GC-C

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

Modified	10/22/2021 10:27:06 AM

Reviewed By: KY **Date** 10/22/2021

Injection Log

Directory: M:\KYLO\DATA\211019\

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	1	1019K001.D	1	SV TUNE 7/2/21		19 Oct 21 13:58
2	2	1019K002.D	1	0.1 ug/ml 10/13/21		19 Oct 21 14:09
3	3	1019K003.D	1	0.2 ug/ml 10/13/21		19 Oct 21 14:29
4	4	1019K004.D	1	0.5 ug/ml 10/13/21		19 Oct 21 14:49
5	5	1019K005.D	1	1 ug/ml 10/13/21		19 Oct 21 15:09
6	6	1019K006.D	1	5 ug/ml 10/13/21		19 Oct 21 15:29
7	7	1019K007.D	1	10 ug/ml 10/13/21		19 Oct 21 15:49
8	8	1019K008.D	1	50 ug/ml 10/13/21		19 Oct 21 16:09
9	9	1019K009.D	1	100 ug/ml 10/13/21		19 Oct 21 16:29
10	10	1019K010.D	1	SS ug/ml 10/13/21		19 Oct 21 16:49
11	86	1019K086.D	1	SV TUNE 7/2/21		25 Oct 21 13:06
12	87	1019K087.D	1	5 ug/ml 10/19/21 (1)		25 Oct 21 13:18
13	89	1019K089.D	1	211019A BLK 1/1000		25 Oct 21 14:01
14	90	1019K090.D	1	211019A LCS-1 1/1000		25 Oct 21 14:21
15	91	1019K091.D	1	211019A LCSD-1 1/1000		25 Oct 21 14:41
16	96	1019K096.D	1	BA43145W07 1/1000		25 Oct 21 16:20
17	97	1019K097.D	1.05263	BA43147W07 1/950		25 Oct 21 16:40
18	98	1019K098.D	1.06383	BA43149W07 1/940		25 Oct 21 17:00
19	99	1019K099.D	1.06383	BA43151W07 1/940		25 Oct 21 17:20
20	124	1019K124.D	1	5 ug/ml 10/13/21 (2)		26 Oct 21 1:39

ORGANICS
Calibration Data

VOLATILE ORGANIC ANALYSIS BY
EPA METHOD 8260B

Form 6
Initial Calibration

Lab Name: APPL, Inc. SDG No:
Case No: Initial Cal. Date: 10/15/2021
Matrix: WATER Instrument: Max
Initials: MH

		Compound	1015M12.D 1	1015M13.D 2	1015M14.D 3	1015M15.D 4	1015M16.D 5	1015M17.D 6	1015M18.D 7	1015M19.D 8	1015M20.D 9		Avg	%RSD	Type	r^2	Q	MRF
1	I	Fluorobenzene (IS)																
2	TM	Chlorotrifluoroethene													TM			
3	TM	Dichlorodifluoromethane		0.1508	0.1611	0.1414	0.1748	0.1296	0.1371	0.1510	0.1516		0.15	9.4	TM			
4	TM	Freon 114	0.0629	0.0771	0.0867	0.0903	0.0897	0.0706	0.0918	0.0908	0.0949		0.08	13	TM			
5	TM**	Chloromethane		0.0816	0.1036	0.0852	0.0940	0.0885	0.0795	0.0895	0.0924		0.09	8.6	TM**			
6	TM*	Vinyl chloride	0.1225	0.1206	0.0979	0.1015	0.1123	0.1098	0.1056	0.1118	0.1091		0.11	7.3	TM*			
7	TM	2-Chloro-1,1,1-trifluoroethane													TM			
8	TM	Bromomethane	0.1252	0.0995	0.0992	0.0848	0.0948	0.0853	0.0794	0.0814	0.0879		0.09	15	TM			
9	TML	Chloroethane	0.0933	0.0961	0.1579	0.0552	0.0706	0.0745	0.0641	0.0666	0.0815		0.08	36	TM	0.994		
10	TM	Dichlorofluoromethane	0.2569	0.3121	0.2592	0.2176	0.2203	0.2414	0.2187	0.2235	0.2246		0.24	13	TM			
11	TM	Trichlorofluoromethane	0.2324	0.3029	0.2888	0.3134	0.2973	0.2882	0.2855	0.2975	0.2941		0.29	7.9	TM			
12	TM	2,2-Dichloro-1,1,1-trifluoroethane													TM			
13	TMQ	Acrolein	0.0166	0.0144	0.0135	0.0153	0.0136	0.0142	0.0135	0.0145	0.0144		0.01	7.0	TM	0.997		
14	TM	Acetone	0.0398	0.0304	0.0345	0.0331	0.0310	0.0319	0.0307	0.0309	0.0310		0.03	9.3	TM			
15	TM	Freon-113	0.1116	0.1300	0.1296	0.1218	0.1150	0.1068	0.1175	0.1124	0.1135		0.12	6.9	TM			
16	TM	Acetonitrile	0.0101	0.0070	0.0074	0.0070	0.0076	0.0073	0.0076	0.0080	0.0077		0.01	12	TM			
17	TML	2-propanol													TM			
18	TM	1,2-Dichlorotrifluoroethane	0.2569	0.3121	0.2592	0.2176	0.2203	0.2414	0.2187	0.2235	0.2247		0.24	13	TM			
19	TM*	1,1-DCE	0.1787	0.1830	0.1897	0.1807	0.1708	0.1678	0.1697	0.1653	0.1699		0.18	4.7	TM*			
20	TMQ	t-Butanol	0.0115	0.0086	0.0097	0.0102	0.0110	0.0102	0.0098				0.01	9.2	TM	0.995		
21	TMQ	Methyl Acetate		0.0500	0.0481	0.0566	0.0491	0.0547	0.0536	0.0554	0.0547		0.05	6.1	TM	1.000		
22	TML	Iodomethane	0.1065	0.1250	0.0882	0.0717	0.0979	0.1158	0.1130	0.1296	0.1388		0.11	19	TM	0.998		
23	TML	Acrylonitrile	0.0088	0.0055	0.0298	0.0239	0.0337	0.0321	0.0316	0.0309	0.0304		0.03	42	TM	1.000		
24	TM	2-Methylpentane													TM			
25	TM	Methylene chloride	0.1502	0.1032	0.1123	0.1093	0.1063	0.1155	0.1083	0.1086	0.1035		0.11	13	TM			
26	TM	Carbon disulfide	0.1567	0.1530	0.1390	0.1605	0.1324	0.1389	0.1392	0.1362	0.1258		0.14	8.2	TM			
27	TM	Methyl t-butyl ether (MtBE)	0.4054	0.3871	0.3993	0.3508	0.3716	0.3784	0.3615	0.3797	0.3589		0.38	4.9	TM			
28	TM	Trans-1,2-DCE		0.1591	0.1103	0.1150	0.1200	0.1175	0.1222	0.1143	0.1180		0.12	13	TM			
29	TML	3-Methylpentane	0.0803	0.0784	0.0715	0.0806	0.0660	0.0664	0.0682	0.0593	0.0607		0.07	12	TM	0.999		
30	TM	Hexane													TM			
31	TM	Diisopropyl Ether	0.1713	0.2278	0.2501	0.2487	0.2546	0.2465	0.2359	0.2412	0.2396		0.24	11	TM			
32	TM**	1,1-DCA	0.1334	0.1964	0.2073	0.1858	0.1835	0.1860	0.1867	0.1843	0.1844		0.18	11	TM**			
33	TM	Vinyl Acetate													TM			
34	TM	Ethyl tert Butyl Ether	0.2869	0.3155	0.2850	0.3007	0.3100	0.3054	0.3017	0.3165	0.2971		0.30	3.7	TM			
35	TML	Methylcyclopentane	0.0042	0.0425	0.0170	0.0155	0.0146	0.0129	0.0124	0.0132	0.0113		0.02	66	TM	0.996		

VOLATILE ORGANIC ANALYSIS BY
EPA METHOD 8260B

Form 6
Initial Calibration

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

SDG No:
Initial Cal. Date: 10/15/2021
Instrument: Max

Initials: MH

		Compound	1	2	3	4	5	6	7	8	9		Avg	%RSD	Type		Q	MRF
36	TM	MEK (2-Butanone)	0.0332	0.0326	0.0363	0.0351	0.0325	0.0357	0.0324	0.0342	0.0346		0.03	4.3	TM			
37	TM	Cis-1,2-DCE	0.1508	0.1567	0.1446	0.1113	0.1316	0.1360	0.1266	0.1312	0.1278		0.14	10	TM			
38	TM	2,2-Dichloropropane	0.2829	0.2366	0.2197	0.2193	0.2309	0.2454	0.2308	0.2242	0.2240		0.23	8.5	TM			
39	TM*	Chloroform	0.1554	0.2020	0.2501	0.2382	0.2569	0.2726	0.2578	0.2540	0.2523		0.24	15	TM*			
40	TML	Bromochloromethane	0.1040	0.0920	0.0931	0.1176	0.1094	0.1056	0.1049	0.1084	0.1009		0.10	7.7	TM	0.999		
41	S	Dibromofluoromethane(S)	0.3580	0.3340	0.3038	0.2941	0.3047	0.3136	0.2987	0.3015	0.2862		0.31	7.2	S			
42	TM	1,1,1-TCA	0.2636	0.2422	0.2707	0.2885	0.2921	0.2898	0.2963	0.2887	0.2800		0.28	6.3	TM			
43	TM	Cyclohexane	0.0786	0.0832	0.0908	0.0807	0.0825	0.0701	0.0773	0.0765	0.0788		0.08	7.0	TM			
44	TM	1,1-Dichloropropene	0.1321	0.1579	0.1511	0.1468	0.1674	0.1534	0.1551	0.1496	0.1495		0.15	6.2	TM			
45	TM	2,2,4-Trimethylpentane	0.2393	0.1672	0.2119	0.2264	0.1839	0.1678	0.1830	0.1923	0.1956		0.20	13	TM			
46	S	1,2-DCA-D4(S)	0.2537	0.2270	0.2111	0.2053	0.2170	0.2102	0.2102	0.2107	0.2039		0.22	7.2	S			
47	TM	Carbon Tetrachloride	0.2703	0.2346	0.2668	0.2614	0.2739	0.2671	0.2581	0.2643	0.2660		0.26	4.4	TM			
48	TM	Tert Amyl Methyl Ether	0.2852	0.3313	0.2672	0.2865	0.3043	0.3119	0.2953	0.3074	0.2915		0.30	6.2	TM			
49	TM	1,2-DCA	0.2196	0.2210	0.2380	0.2461	0.2367	0.2417	0.2309	0.2437	0.2374		0.24	4.0	TM			
50	TM	Benzene	0.4803	0.4517	0.4397	0.4236	0.4345	0.4448	0.4245	0.4267	0.4199		0.44	4.3	TM			
51	TM	TCE	0.1271	0.1743	0.1565	0.1358	0.1245	0.1448	0.1323	0.1347	0.1332		0.14	11	TM			
52	TM	2-Pentanone	0.0582	0.0562	0.0561	0.0572	0.0561	0.0576	0.0555	0.0577	0.0580		0.06	1.8	TM			
53	TM*L	1,2-Dichloropropane	0.0482	0.0546	0.0514	0.0360	0.0419	0.0501	0.0484	0.0514	0.0467		0.05	12	TM*	0.998		
54	TM	Bromodichloromethane	0.1483	0.2146	0.1662	0.2030	0.2205	0.2025	0.2006	0.2104	0.2051		0.20	12	TM			
55	TML	Methyl Cyclohexane	0.1984	0.1391	0.1440	0.1602	0.1519	0.1358	0.1512	0.1540	0.1531		0.15	12	TM	1.000		
56	TM	Dibromomethane	0.0944	0.0820	0.1045	0.0868	0.0845	0.0850	0.0766	0.0795	0.0773		0.09	10	TM			
57	TM	MIBK (methyl isobutyl ketone)	0.0770	0.0658	0.0724	0.0771	0.0701	0.0753	0.0704	0.0737	0.0738		0.07	5.0	TM			
58	TML	1-Bromo-2-chloroethane	0.0302	0.0087	0.0167	0.0232	0.0320	0.0269	0.0274	0.0281	0.0275		0.02	30	TM	1.000		
59	TM	2-Chloroethyl vinyl ether													TM			
60	TM	Cis-1,3-Dichloropropene	0.1208	0.1719	0.1709	0.1894	0.1907	0.1839	0.1841	0.1860	0.1894		0.18	13	TM			
61	TM*	Toluene	0.5522	0.4801	0.4779	0.4772	0.5146	0.5462	0.5004	0.5063	0.5080		0.51	5.5	TM*			
62	TM	Trans-1,3-Dichloropropene	0.1393	0.1391	0.1685	0.1795	0.1887	0.1861	0.1833	0.1944	0.1948		0.17	12	TM			
63	TM	1,1,2-TCA	0.0935	0.0961	0.0637	0.0759	0.0732	0.0810	0.0731	0.0753	0.0756		0.08	13	TM			
64	TM	2-Hexanone	0.0466	0.0396	0.0499	0.0508	0.0466	0.0527	0.0507	0.0528	0.0538		0.05	9.0	TM			
65	I	Chlorobenzene-D5 (IS)																
66	S	Toluene-D8(S)	1.339	1.273	1.107	1.107	1.129	1.132	1.110	1.106	1.038		1.1	8.2	S			
67	TM	1,2-EDB	0.1119	0.1589	0.1216	0.1371	0.1335	0.1292	0.1341	0.1299	0.1309		0.13	9.6	TM			
68	TML	Tetrachloroethene	0.6091	0.3484	0.2276	0.1756	0.1358	0.1173	0.1351	0.1232	0.1143		0.22	74	TM	0.999		
69	TM	1-Chlorohexane	0.1152	0.0891	0.1082	0.0965	0.1019	0.0897	0.0993	0.0952	0.0980		0.10	8.4	TM			
70	TM	1,1,1,2-Tetrachloroethane	0.1391	0.1828	0.1648	0.1859	0.2121	0.2018	0.1949	0.1960	0.1965		0.19	12	TM			

VOLATILE ORGANIC ANALYSIS BY
EPA METHOD 8260B

Form 6
Initial Calibration

Lab Name: APPL, Inc. SDG No:
Case No: Initial Cal. Date: 10/15/2021
Matrix: WATER Instrument: Max

Initials: MH

		Compound	1	2	3	4	5	6	7	8	9		Avg	%RSD	Type		Q	MRF
71	TM	m&p-Xylene	0.2844	0.2517	0.2669	0.2707	0.2937	0.2972	0.2994	0.2919	0.2876		0.28	5.7	TM			
72	TM	o-Xylene	0.3290	0.3153	0.3138	0.2563	0.2863	0.2930	0.2871	0.2939	0.2927		0.30	7.1	TM			
73	TM	Styrene	0.4104	0.4286	0.3830	0.4298	0.4621	0.4757	0.4696	0.4735	0.4835		0.45	7.8	TM			
74	S	4-Bromofluorobenzene(S)	0.5305	0.4709	0.4295	0.4339	0.4550	0.4619	0.4657	0.4698	0.4596		0.46	6.2	S			
75	TM	1,3-Dichloropropane	0.2500	0.1841	0.1902	0.1782	0.1994	0.1925	0.1833	0.1867	0.1812		0.19	11	TM			
76	TM	Dibromochloromethane	0.2041	0.1894	0.1919	0.1859	0.1928	0.1923	0.1967	0.1988	0.1947		0.19	2.8	TM			
77	TM**	Chlorobenzene	0.4530	0.4058	0.3834	0.4602	0.4488	0.4441	0.4397	0.4331	0.4323		0.43	5.6	TM**			
78	TM*	Ethylbenzene	0.8163	0.6181	0.6491	0.6508	0.7106	0.6823	0.6773	0.6899	0.6792		0.69	8.1	TM*			
79	TM**	Bromoform	0.1795	0.1248	0.1586	0.1638	0.1562	0.1606	0.1638	0.1699	0.1727		0.16	9.6	TM**			
80	I	1,4-Dichlorobenzene-D (IS)																
81	TM	Isopropylbenzene	1.406	1.232	1.129	1.052	1.159	1.126	1.148	1.104	1.137		1.2	8.7	TM			
82	TM**	1,1,2,2-Tetrachloroethane		0.2460	0.2121	0.2073	0.1907	0.1939	0.1838	0.1825	0.1841		0.20	11	TM**			
83	TM	1,2,3-Trichloropropane		0.1099	0.0947	0.1052	0.1046	0.0956	0.0992	0.0943	0.0968		0.10	5.8	TM			
84	TML	t-1,4-Dichloro-2-Butene	0.1357	0.0279	0.0748	0.0564	0.0450	0.0484	0.0489	0.0515	0.0523		0.06	51	TM	1.000		
85	TM	Bromobenzene	0.4062	0.4088	0.3460	0.4046	0.3788	0.3610	0.3870	0.3662	0.3760		0.38	5.8	TM			
86	TM	n-Propylbenzene	1.201	1.175	1.139	1.072	1.136	1.178	1.160	1.146	1.156		1.2	3.2	TM			
87	TM	4-Ethyltoluene	1.173	0.9909	1.012	1.065	1.034	1.080	1.086	1.056	1.072		1.1	4.9	TM			
88	TM	2-Chlorotoluene	1.032	1.018	0.9358	0.9070	0.9024	0.9205	0.8841	0.8629	0.7541		0.91	9.0	TM			
89	TM	1,3,5-Trimethylbenzene	1.111	1.007	0.9502	0.8656	1.004	1.040	1.002	0.9694	1.004		0.99	6.7	TM			
90	TM	4-Chlorotoluene	0.9827	0.9428	0.8406	0.9352	0.8957	0.9074	0.9014	0.8707	0.8848		0.91	4.6	TM			
91	TM	Tert-Butylbenzene	0.4821	0.4878	0.5201	0.4933	0.5732	0.5707	0.6035	0.5946	0.6177		0.55	9.8	TM			
92	TM	1,2,4-Trimethylbenzene	0.7998	0.9460	0.8049	0.9155	0.9690	0.9763	1.035	1.004	1.031		0.94	9.4	TM			
93	TM	Sec-Butylbenzene	1.011	0.9172	0.9188	1.056	1.073	1.105	1.121	1.107	1.151		1.1	8.1	TM			
94	TM	p-Isopropyltoluene		0.8303	0.8889	0.9044	1.049	1.057	1.118	1.118	1.161		1.0	12	TM			
95	TM	Benzyl Chloride	0.2242	0.2792	0.2661	0.2638	0.2167	0.2173	0.2234	0.2228	0.2515		0.24	10	TM			
96	TM	1,3-DCB	0.8194	0.6364	0.5705	0.6021	0.6799	0.6575	0.6709	0.6645	0.6786		0.66	10	TM			
97	TM	1,4-DCB	0.8033	0.7211	0.7006	0.5831	0.6388	0.6540	0.6682	0.6466	0.6748		0.68	9.1	TM			
98	TML	n-Butylbenzene	0.4112	0.4841	0.4046	0.4944	0.5656	0.5974	0.6856	0.7160	0.7902		0.57	24	TM	0.998		
99	TM	1,2-DCB	0.6692	0.6405	0.5987	0.6470	0.6582	0.6539	0.6635	0.6423	0.6804		0.65	3.6	TM			
100	TM	Hexachloroethane	0.1548	0.1591	0.2055	0.1841	0.1602	0.1575	0.1628	0.1663	0.1819		0.17	9.9	TM			
101	TML	1,2-Dibromo-3-chloropropane	0.0088	0.0293	0.0318	0.0402	0.0481	0.0559	0.0579	0.0579	0.0634		0.04	41	TM	0.999		
102	TML	1,2,4-Trichlorobenzene	0.1483	0.1203	0.1072	0.1196	0.1592	0.1983	0.2646	0.2864	0.3386		0.19	43	TM	0.995		
103	TML	Hexachlorobutadiene	0.2376	0.1684	0.1828	0.2143	0.2245	0.2533	0.2820	0.2891	0.3092		0.24	20	TM	0.999		
104	TMQ	Naphthalene	0.3645	0.2801	0.2235	0.2250	0.3044	0.4145	0.5147	0.6032	0.7496		0.41	44	TM	1.000		
105	TML	1,2,3-Trichlorobenzene	0.1506	0.1044	0.1263	0.1303	0.2031	0.2496	0.3344	0.3708	0.4644		0.24	54	TM	0.992		

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211015\1015M12.D Vial: 2
Acq On : 15 Oct 21 15:12 Operator: LP,DG,CH
Sample : 0.3ug/L VOC STD 10/15/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 28 13:29 2021 Quant Results File: M1015W.RES

Quant Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 14:01:48 2021
Response via : Initial Calibration
DataAcq Meth : M8260

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene (IS)	6.34	96	397342	25.000	ppb		0.00
65) Chlorobenzene-D5 (IS)	9.50	117	352293	25.000	ppb		0.00
80) 1,4-Dichlorobenzene-D (IS)	11.82	152	217437	25.000	ppb		0.00
System Monitoring Compounds							
41) Dibromofluoromethane(S)	5.56	111	28448	5.765	ppb		0.00
Spiked Amount 25.000			Recovery =	23.060%			
46) 1,2-DCA-D4(S)	5.95	65	20160	5.857	ppb		0.00
Spiked Amount 25.000			Recovery =	23.428%			
66) Toluene-D8(S)	8.05	98	94364	5.828	ppb		0.00
Spiked Amount 25.000			Recovery =	23.312%			
74) 4-Bromofluorobenzene(S)	10.68	95	37378	5.716	ppb		0.00
Spiked Amount 25.000			Recovery =	22.864%			
Target Compounds							Qvalue
3) Dichlorodifluoromethane	1.19	85	437	0.184	ppb	#	64
4) Freon 114	1.29	85	300	0.225	ppb	#	59
5) Chloromethane	1.33	50	657	0.463	ppb	#	81
6) Vinyl chloride	1.42	62	584	0.334	ppb	#	61
8) Bromomethane	1.68	94	597	0.404	ppb	#	56
9) Chloroethane	1.80	64	445	1.458	ppb	#	44
10) Dichlorofluoromethane	1.97	67	1225	0.319	ppb		93
11) Trichlorofluoromethane	2.01	101	1108	0.241	ppb		94
13) Acrolein	2.44	56	2646	9.487	ppb		94
14) Acetone	2.61	43	3165	6.109	ppb		98
15) Freon-113	2.54	151	532	0.285	ppb	#	45
16) Acetonitrile	2.92	41	1607	13.053	ppb	#	73
18) 1,2-Dichlorotrifluoroethan	1.97	67	1225	0.319	ppb		100
19) 1,1-DCE	2.51	61	852	0.306	ppb	#	84
20) t-Butanol	3.33	59	1829	13.471	ppb		100
21) Methyl Acetate	2.98	43	391	0.449	ppb	#	49
22) Iodomethane	2.67	142	508	1.469	ppb	#	65
25) Methylene chloride	3.08	84	716	0.399	ppb		98
26) Carbon disulfide	2.72	76	747	0.330	ppb	#	82
27) Methyl t-butyl ether (MtBE	3.46	73	1933	0.323	ppb	#	58
28) Trans-1,2-DCE	3.44	96	316	0.163	ppb	#	66
29) 3-Methylpentane	3.50	57	383	-0.171	ppb	#	14
31) Diisopropyl Ether	4.25	45	817	0.219	ppb	#	85
32) 1,1-DCA	4.07	63	636	0.219	ppb	#	52
34) Ethyl tert Butyl Ether	4.78	59	1368	0.285	ppb		93
35) Methylcyclopentane	4.75	56	20	-1.300	ppb		100
36) MEK (2-Butanone)	4.98	43	2641	4.876	ppb	#	85

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

Data File : M:\MAX\DATA\211015\1015M12.D Vial: 2
Acq On : 15 Oct 21 15:12 Operator: LP,DG,CH
Sample : 0.3ug/L VOC STD 10/15/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 28 13:29 2021 Quant Results File: M1015W.RES

Quant Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 14:01:48 2021
Response via : Initial Calibration
DataAcq Meth : M8260

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
37)	Cis-1,2-DCE	4.91	96	719	0.335	ppb	#	64
38)	2,2-Dichloropropane	4.88	77	1349	0.361	ppb	#	61
39)	Chloroform	5.36	83	741	0.196	ppb		79
40)	Bromochloromethane	5.23	130	496	-0.127	ppb	#	74
42)	1,1,1-TCA	5.54	97	1257	0.283	ppb	#	75
43)	Cyclohexane	5.57	41	375	0.296	ppb	#	22
44)	1,1-Dichloropropene	5.74	75	630	0.262	ppb	#	37
45)	2,2,4-Trimethylpentane	6.13	57	1141	0.366	ppb	#	36
47)	Carbon Tetrachloride	5.73	117	1289	0.309	ppb	#	68
48)	Tert Amyl Methyl Ether	6.18	73	1360	0.287	ppb	#	91
49)	1,2-DCA	6.05	62	1047	0.280	ppb	#	81
50)	Benzene	5.99	78	2290	0.329	ppb	#	84
51)	TCE	6.75	95	606	0.272	ppb	#	79
52)	2-Pentanone	7.01	43	9248	10.215	ppb		94
54)	Bromodichloromethane	7.31	83	707	0.226	ppb		90
55)	Methyl Cyclohexane	6.94	83	946	0.544	ppb	#	70
56)	Dibromomethane	7.12	93	450	0.331	ppb	#	72
57)	MIBK (methyl isobutyl ket	7.98	43	6119	5.285	ppb	#	93
58)	1-Bromo-2-chloroethane	7.62	144	144	0.359	ppb	#	15
60)	Cis-1,3-Dichloropropene	7.79	75	576	0.206	ppb	#	79
61)	Toluene	8.12	91	2633	0.327	ppb		80
62)	Trans-1,3-Dichloropropene	8.38	75	664	0.239	ppb	#	29
63)	1,1,2-TCA	8.55	83	446	0.357	ppb	#	57
64)	2-Hexanone	8.83	43	3704	4.730	ppb	#	75
67)	1,2-EDB	9.03	107	473	0.254	ppb		100
68)	Tetrachloroethene	8.66	164	2575	0.143	ppb	#	81
69)	1-Chlorohexane	9.53	91	487	0.348	ppb		82
70)	1,1,1,2-Tetrachloroethane	9.61	131	588	0.224	ppb		78
71)	m&p-Xylene	9.77	106	2405	0.604	ppb		90
72)	o-Xylene	10.17	106	1391	0.333	ppb	#	50
73)	Styrene	10.18	104	1735	0.276	ppb	#	81
75)	1,3-Dichloropropane	8.72	76	1057	0.387	ppb	#	80
76)	Dibromochloromethane	8.93	129	863	0.316	ppb	#	72
77)	Chlorobenzene	9.53	112	1915	0.314	ppb		91
78)	Ethylbenzene	9.65	91	3451	0.357	ppb		91
79)	Bromoform	10.35	173	759	0.334	ppb		89
81)	Isopropylbenzene	10.53	105	3669	0.362	ppb		90
82)	1,1,2,2-Tetrachloroethane	10.84	83	842	0.484	ppb	#	56
83)	1,2,3-Trichloropropane	10.88	110	81	0.093	ppb	#	6
84)	t-1,4-Dichloro-2-Butene	10.91	53	354	1.032	ppb	#	3
85)	Bromobenzene	10.81	156	1060	0.319	ppb		76
86)	n-Propylbenzene	10.94	91	3134	0.313	ppb		99

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

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211015\1015M12.D Vial: 2
Acq On : 15 Oct 21 15:12 Operator: LP,DG,CH
Sample : 0.3ug/L VOC STD 10/15/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 28 13:29 2021 Quant Results File: M1015W.RES

Quant Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 14:01:48 2021
Response via : Initial Calibration
DataAcq Meth : M8260

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
87)	4-Ethyltoluene	11.06	105	3060	0.331	ppb		92
88)	2-Chlorotoluene	11.02	91	2692	0.339	ppb		99
89)	1,3,5-Trimethylbenzene	11.13	105	2898	0.335	ppb		96
90)	4-Chlorotoluene	11.13	91	2564	0.325	ppb		89
91)	Tert-Butylbenzene	11.45	119	1258	0.263	ppb		87
92)	1,2,4-Trimethylbenzene	11.48	105	2087	0.255	ppb		79
93)	Sec-Butylbenzene	11.66	105	2637	0.288	ppb		97
94)	p-Isopropyltoluene	11.81	119	1811	0.205	ppb	#	62
95)	Benzyl Chloride	11.99	91	585	0.280	ppb	#	89
96)	1,3-DCB	11.76	146	2138	0.370	ppb		89
97)	1,4-DCB	11.85	146	2096	0.356	ppb	#	61
98)	n-Butylbenzene	12.22	91	1073	1.468	ppb	#	82
99)	1,2-DCB	12.22	146	1746	0.309	ppb	#	84
100)	Hexachloroethane	12.46	117	404	0.273	ppb	#	66
101)	1,2-Dibromo-3-chloropropan	13.06	75	23	1.060	ppb	#	1
102)	1,2,4-Trichlorobenzene	13.81	180	387	2.334	ppb	#	70
103)	Hexachlorobutadiene	13.99	225	620	1.237	ppb	#	64
104)	Naphthalene	14.05	128	951	1.206	ppb	#	69
105)	1,2,3-Trichlorobenzene	14.30	180	393	2.699	ppb	#	70

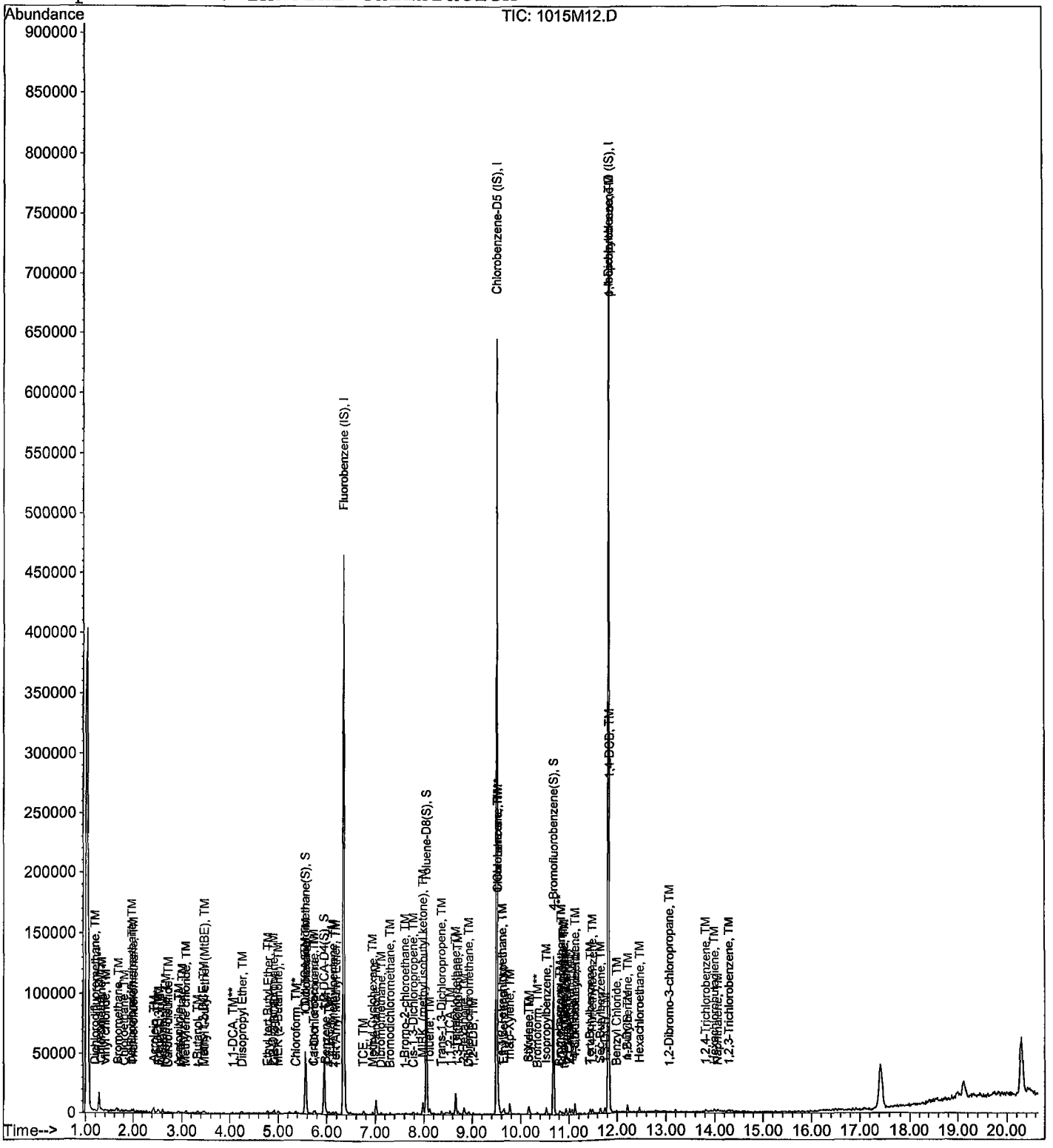
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\MAX\DATA\211015\1015M12.D Vial: 2
Acq On : 15 Oct 21 15:12 Operator: LP,DG,CH
Sample : 0.3ug/L VOC STD 10/15/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 28 13:29 2021 Quant Results File: M1015W.RES

Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 14:01:48 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211015\1015M13.D Vial: 3
Acq On : 15 Oct 21 15:41 Operator: LP,DG,CH
Sample : 0.5ug/L VOC STD 10/15/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 28 13:29 2021 Quant Results File: M1015W.RES

Quant Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 14:01:48 2021
Response via : Initial Calibration
DataAcq Meth : M8260

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene (IS)	6.34	96	396824	25.000	ppb		0.00
65) Chlorobenzene-D5 (IS)	9.50	117	348546	25.000	ppb		0.00
80) 1,4-Dichlorobenzene-D (IS)	11.82	152	220294	25.000	ppb		0.00
System Monitoring Compounds							
41) Dibromofluoromethane(S)	5.56	111	26504	5.378	ppb		0.00
Spiked Amount 25.000			Recovery =	21.512%			
46) 1,2-DCA-D4(S)	5.95	65	18016	5.241	ppb		0.00
Spiked Amount 25.000			Recovery =	20.964%			
66) Toluene-D8(S)	8.05	98	88728	5.539	ppb		0.00
Spiked Amount 25.000			Recovery =	22.156%			
74) 4-Bromofluorobenzene(S)	10.68	95	32826	5.073	ppb		0.00
Spiked Amount 25.000			Recovery =	20.292%			
Target Compounds							Qvalue
3) Dichlorodifluoromethane	1.19	85	1197	0.504	ppb		94
4) Freon 114	1.28	85	612	0.460	ppb		83
5) Chloromethane	1.33	50	648	0.457	ppb		91
6) Vinyl chloride	1.42	62	957	0.548	ppb		91
8) Bromomethane	1.68	94	790	0.535	ppb		95
9) Chloroethane	1.78	64	763	1.708	ppb	#	70
10) Dichlorofluoromethane	1.97	67	2477	0.646	ppb		87
11) Trichlorofluoromethane	2.00	101	2404	0.524	ppb		83
13) Acrolein	2.44	56	5714	24.244	ppb		85
14) Acetone	2.61	43	4830	9.335	ppb		100
15) Freon-113	2.52	151	1032	0.553	ppb	#	76
16) Acetonitrile	2.93	41	2762	22.464	ppb		95
18) 1,2-Dichlorotrifluoroethan	1.97	67	2477	0.646	ppb		100
19) 1,1-DCE	2.51	61	1452	0.523	ppb	#	80
20) t-Butanol	3.34	59	3416	22.254	ppb		100
21) Methyl Acetate	3.00	43	397	0.456	ppb	#	26
22) Iodomethane	2.66	142	992	1.689	ppb	#	91
25) Methylene chloride	3.08	84	819	0.457	ppb	#	62
26) Carbon disulfide	2.71	76	1214	0.537	ppb	#	76
27) Methyl t-butyl ether (MtBE	3.47	73	3072	0.513	ppb		100
28) Trans-1,2-DCE	3.44	96	1263	0.652	ppb	#	53
29) 3-Methylpentane	3.46	57	622	0.079	ppb	#	88
31) Diisopropyl Ether	4.25	45	1808	0.485	ppb	#	66
32) 1,1-DCA	4.05	63	1559	0.536	ppb	#	74
34) Ethyl tert Butyl Ether	4.77	59	2504	0.522	ppb		99
35) Methylcyclopentane	4.76	56	337	0.453	ppb		100
36) MEK (2-Butanone)	4.99	43	5170	9.557	ppb	#	82

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

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211015\1015M13.D Vial: 3
Acq On : 15 Oct 21 15:41 Operator: LP,DG,CH
Sample : 0.5ug/L VOC STD 10/15/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 28 13:29 2021 Quant Results File: M1015W.RES

Quant Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 14:01:48 2021
Response via : Initial Calibration
DataAcq Meth : M8260

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
37)	Cis-1,2-DCE	4.91	96	1244	0.580	ppb	#	59
38)	2,2-Dichloropropane	4.89	77	1878	0.504	ppb		98
39)	Chloroform	5.37	83	1603	0.425	ppb		89
42)	1,1,1-TCA	5.55	97	1922	0.434	ppb	#	85
43)	Cyclohexane	5.58	41	660	0.521	ppb	#	25
44)	1,1-Dichloropropene	5.75	75	1253	0.521	ppb	#	53
45)	2,2,4-Trimethylpentane	6.11	57	1327	0.426	ppb		93
47)	Carbon Tetrachloride	5.73	117	1862	0.447	ppb		93
48)	Tert Amyl Methyl Ether	6.18	73	2629	0.556	ppb		93
49)	1,2-DCA	6.04	62	1754	0.470	ppb	#	90
50)	Benzene	5.99	78	3585	0.515	ppb	#	79
51)	TCE	6.75	95	1383	0.621	ppb	#	62
52)	2-Pentanone	7.01	43	22294	24.656	ppb		99
53)	1,2-Dichloropropane	7.00	63	433	0.265	ppb	#	78
54)	Bromodichloromethane	7.31	83	1703	0.545	ppb		76
55)	Methyl Cyclohexane	6.94	83	1104	0.610	ppb		89
56)	Dibromomethane	7.13	93	651	0.479	ppb	#	59
57)	MIBK (methyl isobutyl ket	7.98	43	10443	9.031	ppb	#	85
58)	1-Bromo-2-chloroethane	7.63	144	69	0.188	ppb	#	15
60)	Cis-1,3-Dichloropropene	7.79	75	1364	0.487	ppb	#	83
61)	Toluene	8.12	91	3810	0.473	ppb		85
62)	Trans-1,3-Dichloropropene	8.37	75	1104	0.398	ppb	#	67
63)	1,1,2-TCA	8.55	83	763	0.612	ppb	#	68
64)	2-Hexanone	8.83	43	6286	8.038	ppb	#	75
67)	1,2-EDB	9.03	107	1108	0.602	ppb	#	61
69)	1-Chlorohexane	9.53	91	621	0.449	ppb		86
70)	1,1,1,2-Tetrachloroethane	9.62	131	1274	0.491	ppb		97
71)	m&p-Xylene	9.77	106	3509	0.891	ppb		76
72)	o-Xylene	10.16	106	2198	0.532	ppb		64
73)	Styrene	10.18	104	2988	0.480	ppb		87
75)	1,3-Dichloropropane	8.72	76	1283	0.474	ppb		100
76)	Dibromochloromethane	8.94	129	1320	0.488	ppb		87
77)	Chlorobenzene	9.53	112	2829	0.468	ppb	#	87
78)	Ethylbenzene	9.65	91	4309	0.451	ppb		97
79)	Bromoform	10.35	173	870	0.387	ppb		86
81)	Isopropylbenzene	10.53	105	5427	0.528	ppb		97
82)	1,1,2,2-Tetrachloroethane	10.84	83	1084	0.615	ppb	#	62
83)	1,2,3-Trichloropropane	10.88	110	484	0.549	ppb	#	79
84)	t-1,4-Dichloro-2-Butene	10.91	53	123	0.520	ppb	#	3
85)	Bromobenzene	10.82	156	1801	0.536	ppb		93
86)	n-Propylbenzene	10.95	91	5177	0.510	ppb		100
87)	4-Ethyltoluene	11.06	105	4366	0.466	ppb	#	82

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

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211015\1015M13.D Vial: 3
Acq On : 15 Oct 21 15:41 Operator: LP,DG,CH
Sample : 0.5ug/L VOC STD 10/15/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 28 13:29 2021 Quant Results File: M1015W.RES

Quant Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 14:01:48 2021
Response via : Initial Calibration
DataAcq Meth : M8260

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
88)	2-Chlorotoluene	11.02	91	4485	0.558	ppb		89
89)	1,3,5-Trimethylbenzene	11.12	105	4437	0.506	ppb		86
90)	4-Chlorotoluene	11.12	91	4154	0.520	ppb		95
91)	Tert-Butylbenzene	11.45	119	2149	0.444	ppb		95
92)	1,2,4-Trimethylbenzene	11.49	105	4168	0.502	ppb		83
93)	Sec-Butylbenzene	11.66	105	4041	0.436	ppb		91
94)	p-Isopropyltoluene	11.81	119	3658	0.409	ppb		95
95)	Benzyl Chloride	12.00	91	1230	0.580	ppb	#	84
96)	1,3-DCB	11.76	146	2804	0.479	ppb	#	85
97)	1,4-DCB	11.85	146	3177	0.533	ppb		93
98)	n-Butylbenzene	12.21	91	2133	1.618	ppb		87
99)	1,2-DCB	12.21	146	2822	0.492	ppb	#	84
100)	Hexachloroethane	12.45	117	701	0.467	ppb	#	51
101)	1,2-Dibromo-3-chloropropan	12.99	75	129	1.250	ppb	#	1
102)	1,2,4-Trichlorobenzene	13.82	180	530	2.380	ppb	#	45
103)	Hexachlorobutadiene	13.99	225	742	1.278	ppb	#	82
104)	Naphthalene	14.05	128	1234	1.266	ppb	#	69
105)	1,2,3-Trichlorobenzene	14.30	180	460	2.714	ppb	#	69

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

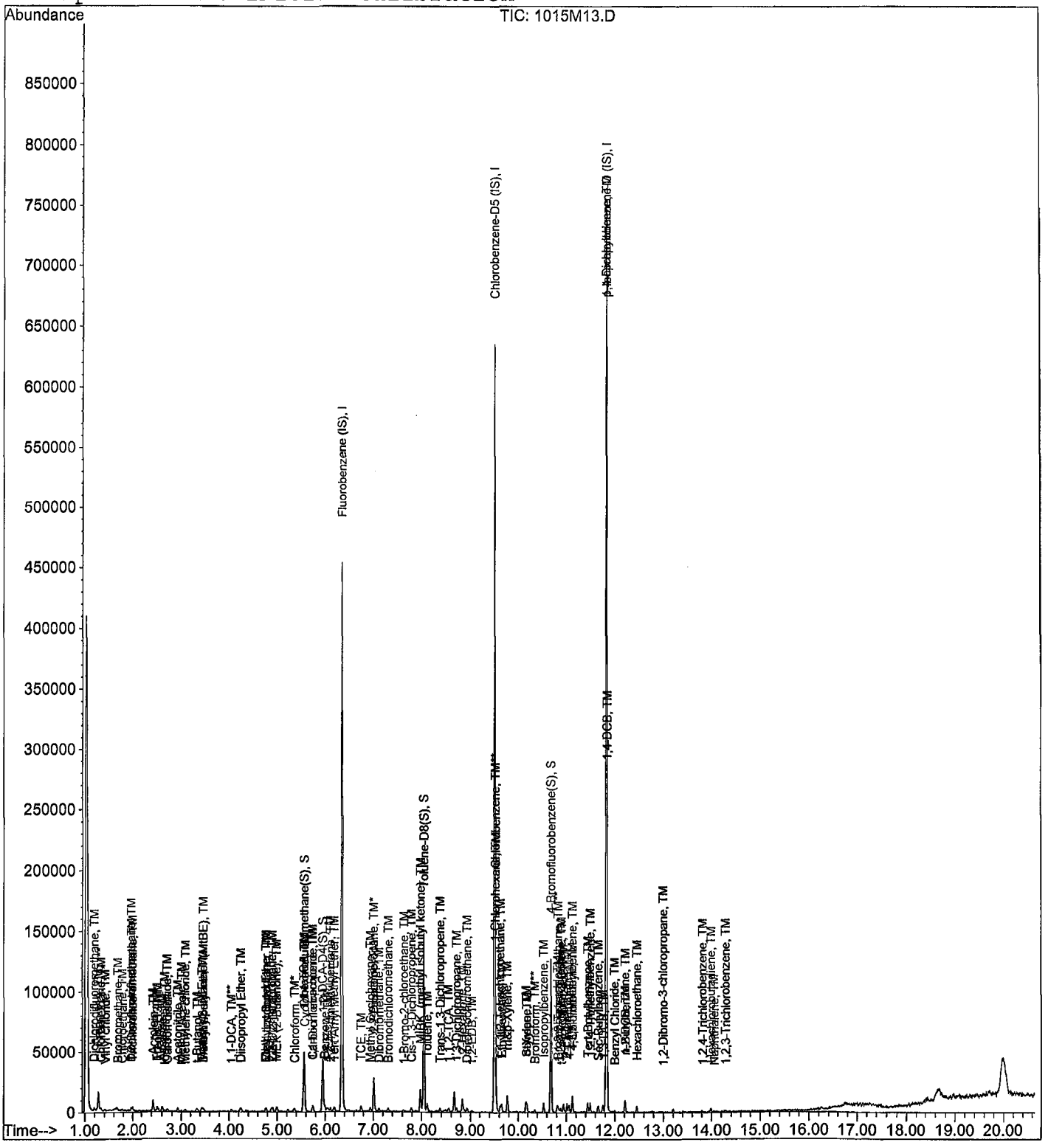
Quantitation Report

Data File : M:\MAX\DATA\211015\1015M13.D
Acq On : 15 Oct 21 15:41
Sample : 0.5ug/L VOC STD 10/15/21
Misc : IS&S 8/4/21

Vial: 3
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Oct 28 13:29 2021 Quant Results File: M1015W.RES

Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 14:01:48 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211015\1015M14.D Vial: 4
Acq On : 15 Oct 21 16:09 Operator: LP,DG,CH
Sample : 1ug/L VOC STD 10/15/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 28 13:29 2021 Quant Results File: M1015W.RES

Quant Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 14:01:48 2021
Response via : Initial Calibration
DataAcq Meth : M8260

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene (IS)	6.34	96	394605	25.000	ppb		0.00
65) Chlorobenzene-D5 (IS)	9.50	117	355921	25.000	ppb		0.00
80) 1,4-Dichlorobenzene-D (IS)	11.82	152	218264	25.000	ppb		0.00
System Monitoring Compounds							
41) Dibromofluoromethane(S)	5.56	111	47945	9.783	ppb		0.00
Spiked Amount 25.000			Recovery =	39.132%			
46) 1,2-DCA-D4(S)	5.95	65	33328	9.750	ppb		0.00
Spiked Amount 25.000			Recovery =	39.000%			
66) Toluene-D8(S)	8.05	98	157547	9.631	ppb		0.00
Spiked Amount 25.000			Recovery =	38.524%			
74) 4-Bromofluorobenzene(S)	10.68	95	61144	9.254	ppb		0.00
Spiked Amount 25.000			Recovery =	37.016%			
Target Compounds							Qvalue
3) Dichlorodifluoromethane	1.19	85	2543	1.076	ppb		91
4) Freon 114	1.29	85	1368	1.034	ppb		78
5) Chloromethane	1.33	50	1636	1.161	ppb		90
6) Vinyl chloride	1.42	62	1546	0.889	ppb	#	78
8) Bromomethane	1.68	94	1565	1.066	ppb		84
9) Chloroethane	1.78	64	2493	3.078	ppb		94
10) Dichlorofluoromethane	1.97	67	4092	1.073	ppb	#	80
11) Trichlorofluoromethane	2.00	101	4558	1.000	ppb		84
13) Acrolein	2.43	56	10691	48.014	ppb		94
14) Acetone	2.61	43	10882	21.151	ppb		89
15) Freon-113	2.53	151	2046	1.103	ppb	#	88
16) Acetonitrile	2.92	41	5855	47.887	ppb	#	94
18) 1,2-Dichlorotrifluoroethan	1.97	67	4092	1.073	ppb		100
19) 1,1-DCE	2.51	61	2994	1.084	ppb	#	89
20) t-Butanol	3.34	59	7682	46.808	ppb		98
21) Methyl Acetate	3.00	43	760	0.878	ppb		87
22) Iodomethane	2.66	142	1392	1.874	ppb	#	86
23) Acrylonitrile	3.43	53	471	0.868	ppb	#	42
25) Methylene chloride	3.08	84	1772	0.993	ppb		86
26) Carbon disulfide	2.72	76	2194	0.976	ppb	#	87
27) Methyl t-butyl ether (MtBE	3.47	73	6302	1.059	ppb		98
28) Trans-1,2-DCE	3.43	96	1741	0.904	ppb		80
29) 3-Methylpentane	3.34	57	1128	0.614	ppb	#	72
31) Diisopropyl Ether	4.25	45	3947	1.064	ppb	#	82
32) 1,1-DCA	4.05	63	3272	1.132	ppb	#	79
34) Ethyl tert Butyl Ether	4.78	59	4498	0.943	ppb	#	61
35) Methylcyclopentane	4.77	56	269	0.085	ppb		100

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

Data File : M:\MAX\DATA\211015\1015M14.D Vial: 4
Acq On : 15 Oct 21 16:09 Operator: LP,DG,CH
Sample : 1ug/L VOC STD 10/15/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 28 13:29 2021 Quant Results File: M1015W.RES

Quant Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 14:01:48 2021
Response via : Initial Calibration
DataAcq Meth : M8260

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
36)	MEK (2-Butanone)	4.99	43	11464	21.312	ppb		86
37)	Cis-1,2-DCE	4.92	96	2282	1.069	ppb		75
38)	2,2-Dichloropropane	4.90	77	3468	0.935	ppb	#	85
39)	Chloroform	5.36	83	3948	1.052	ppb		89
40)	Bromochloromethane	5.23	130	1469	0.483	ppb	#	84
42)	1,1,1-TCA	5.54	97	4273	0.970	ppb	#	84
43)	Cyclohexane	5.59	41	1433	1.137	ppb	#	68
44)	1,1-Dichloropropene	5.74	75	2385	0.998	ppb		94
45)	2,2,4-Trimethylpentane	6.11	57	3345	1.079	ppb	#	69
47)	Carbon Tetrachloride	5.73	117	4212	1.017	ppb		82
48)	Tert Amyl Methyl Ether	6.18	73	4217	0.897	ppb	#	95
49)	1,2-DCA	6.04	62	3756	1.013	ppb	#	81
50)	Benzene	6.00	78	6941	1.003	ppb	#	82
51)	TCE	6.75	95	2471	1.115	ppb		89
52)	2-Pentanone	7.01	43	44308	49.278	ppb		100
53)	1,2-Dichloropropane	7.00	63	811	0.775	ppb	#	45
54)	Bromodichloromethane	7.31	83	2624	0.845	ppb		95
55)	Methyl Cyclohexane	6.94	83	2273	1.095	ppb		76
56)	Dibromomethane	7.12	93	1650	1.221	ppb	#	63
57)	MIBK (methyl isobutyl ket	7.98	43	22869	19.888	ppb		94
58)	1-Bromo-2-chloroethane	7.63	144	263	0.634	ppb	#	15
60)	Cis-1,3-Dichloropropene	7.79	75	2697	0.969	ppb		94
61)	Toluene	8.12	91	7543	0.943	ppb		88
62)	Trans-1,3-Dichloropropene	8.37	75	2660	0.964	ppb		96
63)	1,1,2-TCA	8.56	83	1005	0.810	ppb		84
64)	2-Hexanone	8.83	43	15739	20.238	ppb		97
67)	1,2-EDB	9.03	107	1731	0.922	ppb		84
68)	Tetrachloroethene	8.66	164	3240	0.537	ppb		85
69)	1-Chlorohexane	9.53	91	1541	1.091	ppb		96
70)	1,1,1,2-Tetrachloroethane	9.62	131	2346	0.886	ppb		78
71)	m&p-Xylene	9.77	106	7601	1.889	ppb		79
72)	o-Xylene	10.16	106	4468	1.059	ppb	#	50
73)	Styrene	10.18	104	5452	0.858	ppb		97
75)	1,3-Dichloropropane	8.72	76	2708	0.981	ppb	#	79
76)	Dibromochloromethane	8.93	129	2732	0.989	ppb		84
77)	Chlorobenzene	9.52	112	5459	0.885	ppb		89
78)	Ethylbenzene	9.65	91	9241	0.946	ppb		98
79)	Bromoform	10.35	173	2258	0.985	ppb		98
81)	Isopropylbenzene	10.53	105	9854	0.968	ppb		90
82)	1,1,2,2-Tetrachloroethane	10.84	83	1852	1.060	ppb	#	71
83)	1,2,3-Trichloropropane	10.88	110	827	0.947	ppb		84
84)	t-1,4-Dichloro-2-Butene	10.89	53	653	1.685	ppb	#	37

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

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211015\1015M14.D Vial: 4
Acq On : 15 Oct 21 16:09 Operator: LP,DG,CH
Sample : 1ug/L VOC STD 10/15/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 28 13:29 2021 Quant Results File: M1015W.RES

Quant Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 14:01:48 2021
Response via : Initial Calibration
DataAcq Meth : M8260

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
85)	Bromobenzene	10.81	156	3021	0.907	ppb		97
86)	n-Propylbenzene	10.94	91	9945	0.989	ppb		98
87)	4-Ethyltoluene	11.06	105	8835	0.952	ppb	#	81
88)	2-Chlorotoluene	11.01	91	8170	1.025	ppb		86
89)	1,3,5-Trimethylbenzene	11.13	105	8296	0.955	ppb	#	76
90)	4-Chlorotoluene	11.13	91	7339	0.927	ppb		93
91)	Tert-Butylbenzene	11.44	119	4541	0.947	ppb		91
92)	1,2,4-Trimethylbenzene	11.49	105	7027	0.854	ppb		97
93)	Sec-Butylbenzene	11.66	105	8022	0.874	ppb		99
94)	p-Isopropyltoluene	11.81	119	7761	0.875	ppb		94
95)	Benzyl Chloride	11.99	91	2323	1.106	ppb		92
96)	1,3-DCB	11.76	146	4981	0.859	ppb		94
97)	1,4-DCB	11.84	146	6117	1.035	ppb		86
98)	n-Butylbenzene	12.21	91	3532	1.824	ppb		84
99)	1,2-DCB	12.21	146	5227	0.921	ppb		95
100)	Hexachloroethane	12.46	117	1794	1.207	ppb		73
101)	1,2-Dibromo-3-chloropropan	13.00	75	278	1.522	ppb	#	59
102)	1,2,4-Trichlorobenzene	13.81	180	936	2.519	ppb		88
103)	Hexachlorobutadiene	13.98	225	1596	1.597	ppb		91
104)	Naphthalene	14.06	128	1951	1.430	ppb	#	92
105)	1,2,3-Trichlorobenzene	14.29	180	1103	2.874	ppb	#	74

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

Quantitation Report

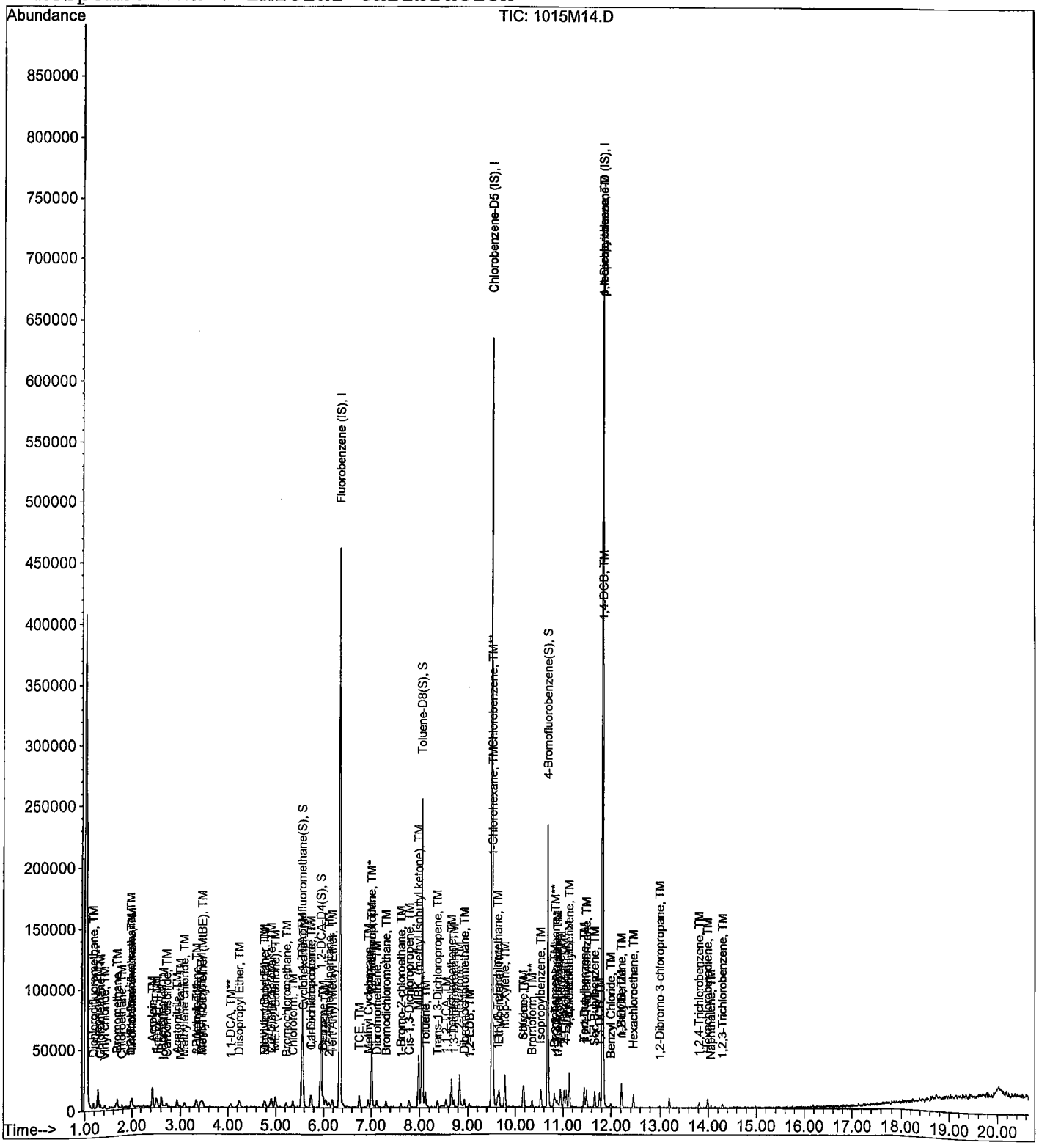
Data File : M:\MAX\DATA\211015\1015M14.D
Acq On : 15 Oct 21 16:09
Sample : 1ug/L VOC STD 10/15/21
Misc : IS&S 8/4/21

Vial: 4
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Oct 28 13:29 2021

Quant Results File: M1015W.RES

Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 14:01:48 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211015\1015M15.D Vial: 5
Acq On : 15 Oct 21 16:38 Operator: LP,DG,CH
Sample : 2ug/L VOC STD 10/15/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 28 13:29 2021 Quant Results File: M1015W.RES

Quant Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 14:01:48 2021
Response via : Initial Calibration
DataAcq Meth : M8260

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene (IS)	6.34	96	397741	25.000	ppb		0.00
65) Chlorobenzene-D5 (IS)	9.50	117	352458	25.000	ppb		0.00
80) 1,4-Dichlorobenzene-D (IS)	11.82	152	222724	25.000	ppb		0.00
System Monitoring Compounds							
41) Dibromofluoromethane(S)	5.56	111	46784	9.471	ppb		0.00
Spiked Amount 25.000			Recovery =	37.884%			
46) 1,2-DCA-D4(S)	5.95	65	32664	9.481	ppb		0.00
Spiked Amount 25.000			Recovery =	37.924%			
66) Toluene-D8(S)	8.05	98	156127	9.638	ppb		0.00
Spiked Amount 25.000			Recovery =	38.552%			
74) 4-Bromofluorobenzene(S)	10.68	95	61174	9.350	ppb		0.00
Spiked Amount 25.000			Recovery =	37.400%			
Target Compounds							Qvalue
3) Dichlorodifluoromethane	1.18	85	4500	1.890	ppb		98
4) Freon 114	1.29	85	2873	2.154	ppb		80
5) Chloromethane	1.33	50	2712	1.909	ppb	#	86
6) Vinyl chloride	1.42	62	3230	1.844	ppb		92
8) Bromomethane	1.68	94	2697	1.822	ppb		95
9) Chloroethane	1.78	64	1755	2.484	ppb	#	67
10) Dichlorofluoromethane	1.97	67	6925	1.802	ppb		94
11) Trichlorofluoromethane	2.00	101	9973	2.170	ppb		98
13) Acrolein	2.43	56	18305	82.531	ppb		98
14) Acetone	2.61	43	15819	30.504	ppb		94
15) Freon-113	2.52	151	3875	2.072	ppb	#	85
16) Acetonitrile	2.93	41	8400	68.161	ppb		96
18) 1,2-Dichlorotrifluoroethan	1.97	67	6925	1.802	ppb		100
19) 1,1-DCE	2.51	61	5750	2.064	ppb		90
20) t-Butanol	3.34	59	12116	72.906	ppb		99
21) Methyl Acetate	2.99	43	1802	2.066	ppb		91
22) Iodomethane	2.66	142	2280	2.270	ppb	#	85
23) Acrylonitrile	3.43	53	760	1.456	ppb		96
25) Methylene chloride	3.08	84	3477	1.934	ppb		93
26) Carbon disulfide	2.71	76	5106	2.254	ppb		97
27) Methyl t-butyl ether (MtBE	3.46	73	11162	1.861	ppb	#	87
28) Trans-1,2-DCE	3.43	96	3660	1.885	ppb		86
29) 3-Methylpentane	3.47	57	2566	2.102	ppb	#	92
31) Diisopropyl Ether	4.25	45	7913	2.116	ppb	#	71
32) 1,1-DCA	4.06	63	5912	2.030	ppb	#	91
34) Ethyl tert Butyl Ether	4.77	59	9568	1.991	ppb		91
35) Methylcyclopentane	4.78	56	494	1.315	ppb		100

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

Data File : M:\MAX\DATA\211015\1015M15.D Vial: 5
Acq On : 15 Oct 21 16:38 Operator: LP,DG,CH
Sample : 2ug/L VOC STD 10/15/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 28 13:29 2021 Quant Results File: M1015W.RES

Quant Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 14:01:48 2021
Response via : Initial Calibration
DataAcq Meth : M8260

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
36)	MEK (2-Butanone)	4.99	43	16761	30.913	ppb	#	85
37)	Cis-1,2-DCE	4.91	96	3543	1.647	ppb		76
38)	2,2-Dichloropropane	4.89	77	6978	1.867	ppb		98
39)	Chloroform	5.36	83	7578	2.004	ppb		97
40)	Bromochloromethane	5.22	130	3743	1.885	ppb	#	79
42)	1,1,1-TCA	5.54	97	9181	2.068	ppb		92
43)	Cyclohexane	5.59	41	2567	2.021	ppb		93
44)	1,1-Dichloropropene	5.75	75	4670	1.938	ppb		98
45)	2,2,4-Trimethylpentane	6.11	57	7204	2.306	ppb	#	50
47)	Carbon Tetrachloride	5.73	117	8319	1.992	ppb		82
48)	Tert Amyl Methyl Ether	6.18	73	9116	1.924	ppb	#	93
49)	1,2-DCA	6.04	62	7832	2.095	ppb	#	87
50)	Benzene	5.99	78	13478	1.932	ppb		94
51)	TCE	6.75	95	4321	1.935	ppb		92
52)	2-Pentanone	7.01	43	68287	75.348	ppb		94
53)	1,2-Dichloropropane	7.01	63	1147	1.214	ppb	#	78
54)	Bromodichloromethane	7.31	83	6459	2.063	ppb		94
55)	Methyl Cyclohexane	6.94	83	5097	2.246	ppb		97
56)	Dibromomethane	7.12	93	2762	2.028	ppb	#	77
57)	MIBK (methyl isobutyl ket	7.98	43	36816	31.764	ppb		97
58)	1-Bromo-2-chloroethane	7.63	144	737	1.707	ppb		75
60)	Cis-1,3-Dichloropropene	7.79	75	6027	2.148	ppb		91
61)	Toluene	8.12	91	15184	1.882	ppb		85
62)	Trans-1,3-Dichloropropene	8.38	75	5713	2.054	ppb		86
63)	1,1,2-TCA	8.54	83	2414	1.931	ppb		93
64)	2-Hexanone	8.83	43	24259	30.948	ppb		97
67)	1,2-EDB	9.03	107	3866	2.079	ppb		83
68)	Tetrachloroethene	8.66	164	4952	1.624	ppb	#	80
69)	1-Chlorohexane	9.53	91	2721	1.945	ppb	#	79
70)	1,1,1,2-Tetrachloroethane	9.62	131	5242	1.999	ppb		90
71)	m&p-Xylene	9.77	106	15266	3.831	ppb		88
72)	o-Xylene	10.16	106	7227	1.729	ppb		97
73)	Styrene	10.18	104	12118	1.926	ppb		99
75)	1,3-Dichloropropane	8.71	76	5024	1.837	ppb		90
76)	Dibromochloromethane	8.93	129	5242	1.916	ppb		94
77)	Chlorobenzene	9.53	112	12976	2.124	ppb		90
78)	Ethylbenzene	9.65	91	18350	1.897	ppb		96
79)	Bromoform	10.35	173	4619	2.034	ppb		87
81)	Isopropylbenzene	10.53	105	18752	1.805	ppb		92
82)	1,1,2,2-Tetrachloroethane	10.84	83	3694	2.072	ppb		93
83)	1,2,3-Trichloropropane	10.87	110	1874	2.103	ppb	#	77
84)	t-1,4-Dichloro-2-Butene	10.90	53	1005	2.413	ppb		98

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

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211015\1015M15.D Vial: 5
Acq On : 15 Oct 21 16:38 Operator: LP,DG,CH
Sample : 2ug/L VOC STD 10/15/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 28 13:29 2021 Quant Results File: M1015W.RES

Quant Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 14:01:48 2021
Response via : Initial Calibration
DataAcq Meth : M8260

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
85)	Bromobenzene	10.81	156	7210	2.121	ppb		90
86)	n-Propylbenzene	10.94	91	19095	1.862	ppb		99
87)	4-Ethyltoluene	11.06	105	18983	2.004	ppb		92
88)	2-Chlorotoluene	11.02	91	16161	1.987	ppb		90
89)	1,3,5-Trimethylbenzene	11.12	105	15423	1.740	ppb		93
90)	4-Chlorotoluene	11.13	91	16663	2.063	ppb		98
91)	Tert-Butylbenzene	11.44	119	8790	1.796	ppb		92
92)	1,2,4-Trimethylbenzene	11.49	105	16313	1.943	ppb		86
93)	Sec-Butylbenzene	11.66	105	18809	2.009	ppb		99
94)	p-Isopropyltoluene	11.81	119	16115	1.780	ppb		90
95)	Benzyl Chloride	12.00	91	4701	2.194	ppb		96
96)	1,3-DCB	11.75	146	10728	1.812	ppb	#	93
97)	1,4-DCB	11.84	146	10390	1.723	ppb	#	80
98)	n-Butylbenzene	12.22	91	8810	2.563	ppb		94
99)	1,2-DCB	12.21	146	11528	1.990	ppb		96
100)	Hexachloroethane	12.45	117	3280	2.162	ppb		90
101)	1,2-Dibromo-3-chloropropan	13.00	75	716	2.288	ppb	#	72
102)	1,2,4-Trichlorobenzene	13.81	180	2131	2.909	ppb	#	84
103)	Hexachlorobutadiene	13.99	225	3819	2.391	ppb		82
104)	Naphthalene	14.05	128	4009	1.874	ppb	#	88
105)	1,2,3-Trichlorobenzene	14.29	180	2322	3.164	ppb		94

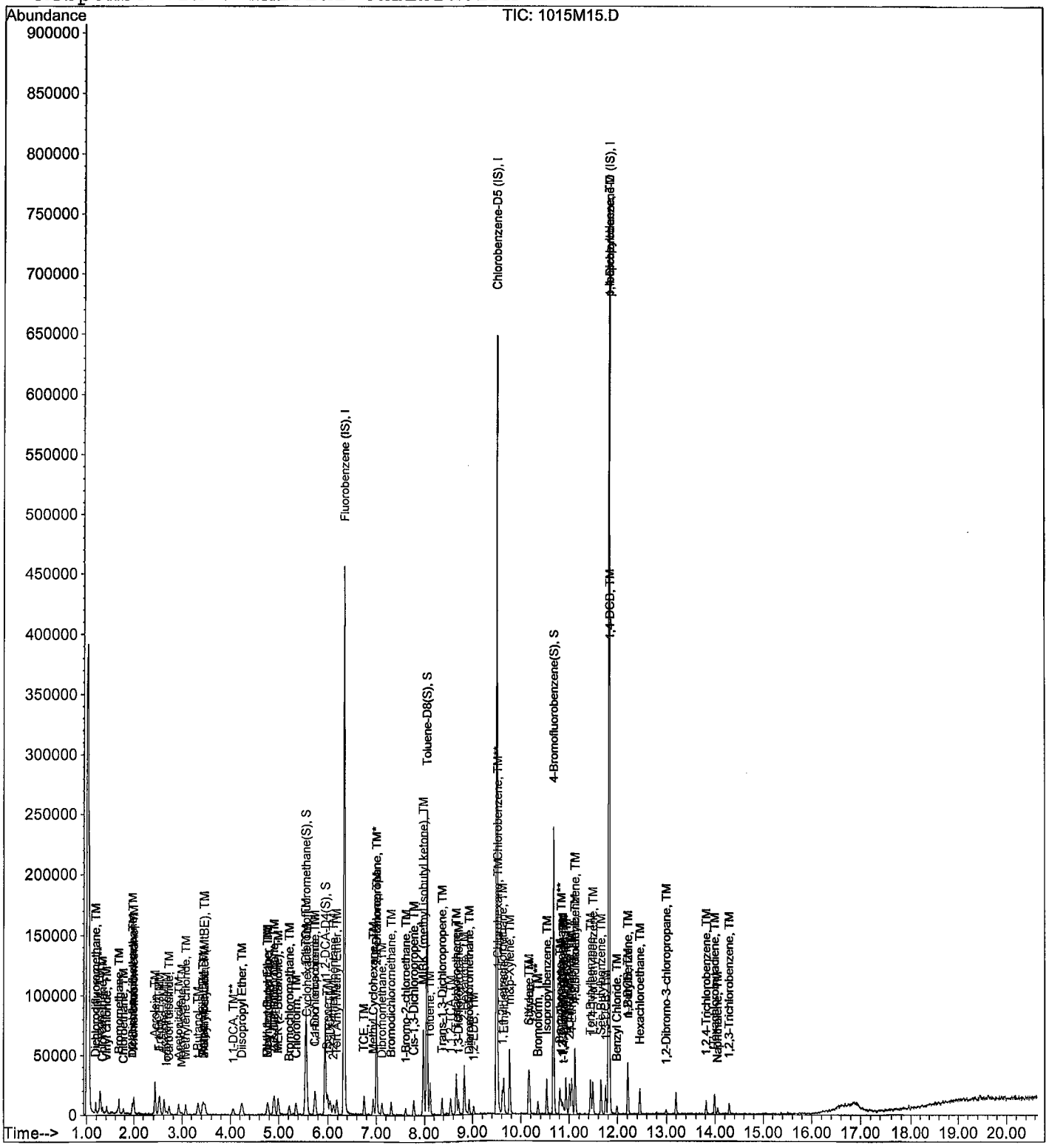
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\MAX\DATA\211015\1015M15.D Vial: 5
Acq On : 15 Oct 21 16:38 Operator: LP,DG,CH
Sample : 2ug/L VOC STD 10/15/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 28 13:29 2021 Quant Results File: M1015W.RES

Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 14:01:48 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211015\1015M16.D Vial: 6
Acq On : 15 Oct 21 17:06 Operator: LP,DG,CH
Sample : 5ug/L VOC STD 10/15/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 28 13:29 2021 Quant Results File: M1015W.RES

Quant Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 14:01:48 2021
Response via : Initial Calibration
DataAcq Meth : M8260

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene (IS)	6.34	96	387411	25.000	ppb		0.00
65) Chlorobenzene-D5 (IS)	9.50	117	344894	25.000	ppb		0.00
80) 1,4-Dichlorobenzene-D (IS)	11.82	152	232454	25.000	ppb		0.00
System Monitoring Compounds							
41) Dibromofluoromethane(S)	5.56	111	118038	24.532	ppb		0.00
Spiked Amount 25.000			Recovery =	98.128%			
46) 1,2-DCA-D4(S)	5.95	65	84056	25.047	ppb		0.00
Spiked Amount 25.000			Recovery =	100.188%			
66) Toluene-D8(S)	8.05	98	389321	24.560	ppb		0.00
Spiked Amount 25.000			Recovery =	98.240%			
74) 4-Bromofluorobenzene(S)	10.68	95	156913	24.509	ppb		0.00
Spiked Amount 25.000			Recovery =	98.036%			
Target Compounds							Qvalue
3) Dichlorodifluoromethane	1.18	85	13541	5.838	ppb		91
4) Freon 114	1.29	85	6948	5.347	ppb		87
5) Chloromethane	1.33	50	7282	5.262	ppb	#	83
6) Vinyl chloride	1.42	62	8698	5.097	ppb		97
8) Bromomethane	1.68	94	7347	5.095	ppb		89
9) Chloroethane	1.77	64	5473	5.511	ppb		90
10) Dichlorofluoromethane	1.97	67	17069	4.559	ppb		93
11) Trichlorofluoromethane	2.00	101	23038	5.146	ppb		98
13) Acrolein	2.43	56	21061	97.410	ppb		97
14) Acetone	2.61	43	19225	38.061	ppb		100
15) Freon-113	2.53	151	8907	4.889	ppb		89
16) Acetonitrile	2.92	41	11772	98.070	ppb		97
18) 1,2-Dichlorotrifluoroethan	1.97	67	17069	4.559	ppb		100
19) 1,1-DCE	2.51	61	13232	4.878	ppb		96
20) t-Butanol	3.34	59	16999	106.745	ppb		95
21) Methyl Acetate	2.99	43	3806	4.480	ppb		89
22) Iodomethane	2.66	142	7587	4.762	ppb		98
23) Acrylonitrile	3.43	53	2612	5.416	ppb		91
25) Methylene chloride	3.08	84	8233	4.702	ppb		88
26) Carbon disulfide	2.72	76	10258	4.649	ppb		98
27) Methyl t-butyl ether (MtBE	3.47	73	28794	4.929	ppb		96
28) Trans-1,2-DCE	3.43	96	9294	4.914	ppb		89
29) 3-Methylpentane	3.46	57	5115	4.900	ppb		91
31) Diisopropyl Ether	4.25	45	19726	5.415	ppb		92
32) 1,1-DCA	4.05	63	14219	5.012	ppb	#	85
34) Ethyl tert Butyl Ether	4.77	59	24023	5.132	ppb		89
35) Methylcyclopentane	4.77	56	1134	5.012	ppb		100

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

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211015\1015M16.D Vial: 6
Acq On : 15 Oct 21 17:06 Operator: LP,DG,CH
Sample : 5ug/L VOC STD 10/15/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 28 13:29 2021 Quant Results File: M1015W.RES

Quant Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 14:01:48 2021
Response via : Initial Calibration
DataAcq Meth : M8260

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
36)	MEK (2-Butanone)	4.99	43	20148	38.151	ppb		88
37)	Cis-1,2-DCE	4.91	96	10198	4.868	ppb		96
38)	2,2-Dichloropropane	4.89	77	17894	4.916	ppb		98
39)	Chloroform	5.37	83	19904	5.404	ppb		99
40)	Bromochloromethane	5.22	130	8478	4.959	ppb	#	83
42)	1,1,1-TCA	5.54	97	22632	5.233	ppb		93
43)	Cyclohexane	5.58	41	6390	5.165	ppb		76
44)	1,1-Dichloropropene	5.75	75	12969	5.527	ppb		85
45)	2,2,4-Trimethylpentane	6.11	57	14248	4.682	ppb		87
47)	Carbon Tetrachloride	5.73	117	21221	5.217	ppb		90
48)	Tert Amyl Methyl Ether	6.18	73	23576	5.108	ppb		98
49)	1,2-DCA	6.04	62	18340	5.036	ppb		98
50)	Benzene	5.99	78	33663	4.955	ppb		98
51)	TCE	6.75	95	9650	4.437	ppb	#	77
52)	2-Pentanone	7.01	43	86889	98.430	ppb		97
53)	1,2-Dichloropropane	7.00	63	3245	4.124	ppb	#	92
54)	Bromodichloromethane	7.31	83	17085	5.602	ppb		90
55)	Methyl Cyclohexane	6.94	83	11773	5.111	ppb		91
56)	Dibromomethane	7.12	93	6546	4.934	ppb		88
57)	MIBK (methyl isobutyl ket	7.98	43	43474	38.509	ppb		98
58)	1-Bromo-2-chloroethane	7.62	144	2479	5.822	ppb		78
60)	Cis-1,3-Dichloropropene	7.79	75	14773	5.406	ppb		90
61)	Toluene	8.12	91	39874	5.075	ppb		96
62)	Trans-1,3-Dichloropropene	8.37	75	14624	5.397	ppb		99
63)	1,1,2-TCA	8.55	83	5668	4.654	ppb		89
64)	2-Hexanone	8.83	43	28901	37.853	ppb	#	97
67)	1,2-EDB	9.03	107	9212	5.062	ppb		93
68)	Tetrachloroethene	8.66	164	9368	4.504	ppb		96
69)	1-Chlorohexane	9.53	91	7028	5.134	ppb		83
70)	1,1,1,2-Tetrachloroethane	9.62	131	14631	5.702	ppb		92
71)	m&p-Xylene	9.77	106	40521	10.393	ppb		97
72)	o-Xylene	10.16	106	19748	4.830	ppb		89
73)	Styrene	10.18	104	31878	5.178	ppb		98
75)	1,3-Dichloropropane	8.71	76	13752	5.140	ppb		98
76)	Dibromochloromethane	8.93	129	13298	4.967	ppb		89
77)	Chlorobenzene	9.53	112	30958	5.178	ppb		96
78)	Ethylbenzene	9.65	91	49016	5.180	ppb		98
79)	Bromoform	10.35	173	10773	4.847	ppb		98
81)	Isopropylbenzene	10.53	105	53902	4.972	ppb		98
82)	1,1,2,2-Tetrachloroethane	10.84	83	8866	4.766	ppb	#	85
83)	1,2,3-Trichloropropane	10.88	110	4864	5.230	ppb	#	73
84)	t-1,4-Dichloro-2-Butene	10.91	53	2090	4.558	ppb		84

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

Data File : M:\MAX\DATA\211015\1015M16.D Vial: 6
Acq On : 15 Oct 21 17:06 Operator: LP,DG,CH
Sample : 5ug/L VOC STD 10/15/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 28 13:29 2021 Quant Results File: M1015W.RES

Quant Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 14:01:48 2021
Response via : Initial Calibration
DataAcq Meth : M8260

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
85)	Bromobenzene	10.81	156	17611	4.963	ppb		88
86)	n-Propylbenzene	10.94	91	52829	4.935	ppb		95
87)	4-Ethyltoluene	11.06	105	48078	4.863	ppb		92
88)	2-Chlorotoluene	11.01	91	41952	4.942	ppb		89
89)	1,3,5-Trimethylbenzene	11.12	105	46678	5.047	ppb		97
90)	4-Chlorotoluene	11.13	91	41644	4.939	ppb		99
91)	Tert-Butylbenzene	11.44	119	26648	5.218	ppb		93
92)	1,2,4-Trimethylbenzene	11.49	105	45050	5.141	ppb		99
93)	Sec-Butylbenzene	11.66	105	49880	5.104	ppb		98
94)	p-Isopropyltoluene	11.81	119	48782	5.164	ppb		99
95)	Benzyl Chloride	11.99	91	10073	4.504	ppb	#	96
96)	1,3-DCB	11.75	146	31609	5.116	ppb		95
97)	1,4-DCB	11.85	146	29696	4.719	ppb		95
98)	n-Butylbenzene	12.22	91	26294	4.891	ppb		97
99)	1,2-DCB	12.21	146	30601	5.060	ppb		87
100)	Hexachloroethane	12.46	117	7449	4.705	ppb		86
101)	1,2-Dibromo-3-chloropropan	12.99	75	2238	4.820	ppb		84
102)	1,2,4-Trichlorobenzene	13.81	180	7399	4.552	ppb		85
103)	Hexachlorobutadiene	13.99	225	10435	4.632	ppb		92
104)	Naphthalene	14.06	128	14154	3.949	ppb		95
105)	1,2,3-Trichlorobenzene	14.29	180	9443	4.795	ppb		82

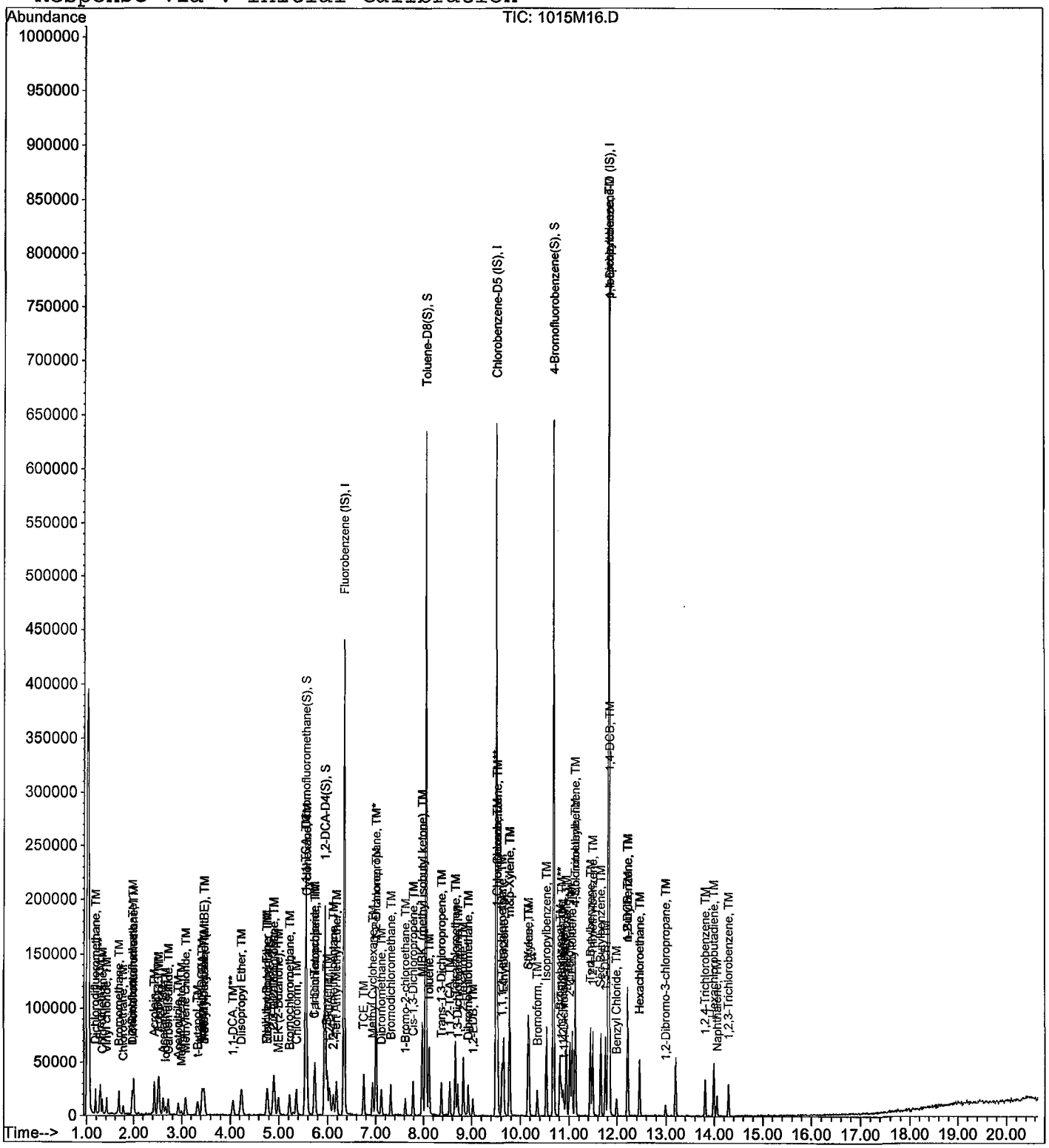
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\MAX\DATA\211015\1015M16.D Vial: 6
Acq On : 15 Oct 21 17:06 Operator: LP,DG,CH
Sample : 5ug/L VOC STD 10/15/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 28 13:29 2021 Quant Results File: M1015W.RES

Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 14:01:48 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211015\1015M17.D Vial: 7
Acq On : 15 Oct 21 17:35 Operator: LP,DG,CH
Sample : 10ug/L VOC STD 10/15/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 28 13:29 2021 Quant Results File: M1015W.RES

Quant Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 14:01:48 2021
Response via : Initial Calibration
DataAcq Meth : M8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.34	96	377347	25.000	ppb	0.00
65) Chlorobenzene-D5 (IS)	9.50	117	347072	25.000	ppb	0.00
80) 1,4-Dichlorobenzene-D (IS)	11.82	152	236441	25.000	ppb	0.00
System Monitoring Compounds						
41) Dibromofluoromethane(S)	5.56	111	118319	25.247	ppb	0.00
Spiked Amount 25.000			Recovery =	100.988%		
46) 1,2-DCA-D4(S)	5.95	65	79312	24.264	ppb	0.00
Spiked Amount 25.000			Recovery =	97.056%		
66) Toluene-D8(S)	8.05	98	392721	24.619	ppb	0.00
Spiked Amount 25.000			Recovery =	98.476%		
74) 4-Bromofluorobenzene(S)	10.68	95	160324	24.884	ppb	0.00
Spiked Amount 25.000			Recovery =	99.536%		
Target Compounds						Qvalue
3) Dichlorodifluoromethane	1.19	85	19568	8.661	ppb	100
4) Freon 114	1.29	85	10651	8.415	ppb	100
5) Chloromethane	1.33	50	13364	9.914	ppb	100
6) Vinyl chloride	1.42	62	16573	9.971	ppb	100
8) Bromomethane	1.68	94	12882	9.172	ppb	100
9) Chloroethane	1.77	64	11250	10.399	ppb	100
10) Dichlorofluoromethane	1.97	67	36430	9.991	ppb	100
11) Trichlorofluoromethane	2.00	101	43493	9.974	ppb	100
13) Acrolein	2.43	56	26701	126.106	ppb	100
14) Acetone	2.61	43	24111	49.007	ppb	100
15) Freon-113	2.53	151	16125	9.087	ppb	100
16) Acetonitrile	2.92	41	13763	117.714	ppb	100
18) 1,2-Dichlorotrifluoroethan	1.97	67	36430	9.990	ppb	100
19) 1,1-DCE	2.51	61	25329	9.586	ppb	100
20) t-Butanol	3.34	59	19181	125.296	ppb	100
21) Methyl Acetate	3.00	43	8263	9.986	ppb	100
22) Iodomethane	2.66	142	17486	9.576	ppb	100
23) Acrylonitrile	3.43	53	4844	10.410	ppb	100
25) Methylene chloride	3.08	84	17432	10.220	ppb	100
26) Carbon disulfide	2.71	76	20960	9.752	ppb	100
27) Methyl t-butyl ether (MtBE	3.47	73	57116	10.039	ppb	100
28) Trans-1,2-DCE	3.43	96	17741	9.630	ppb	100
29) 3-Methylpentane	3.46	57	10024	10.435	ppb	100
31) Diisopropyl Ether	4.24	45	37208	10.486	ppb	100
32) 1,1-DCA	4.05	63	28067	10.157	ppb	100
34) Ethyl tert Butyl Ether	4.77	59	46096	10.109	ppb	100
35) Methylcyclopentane	4.77	56	1948	9.916	ppb	100

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

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211015\1015M17.D Vial: 7
Acq On : 15 Oct 21 17:35 Operator: LP,DG,CH
Sample : 10ug/L VOC STD 10/15/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 28 13:29 2021 Quant Results File: M1015W.RES

Quant Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 14:01:48 2021
Response via : Initial Calibration
DataAcq Meth : M8260

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
36)	MEK (2-Butanone)	4.99	43	26957	52.406 ppb	100
37)	Cis-1,2-DCE	4.91	96	20531	10.061 ppb	100
38)	2,2-Dichloropropane	4.89	77	37047	10.450 ppb	100
39)	Chloroform	5.36	83	41151	11.470 ppb	100
40)	Bromochloromethane	5.22	130	15934	9.974 ppb	100
42)	1,1,1-TCA	5.55	97	43737	10.382 ppb	100
43)	Cyclohexane	5.58	41	10585	8.785 ppb	100
44)	1,1-Dichloropropene	5.75	75	23149	10.128 ppb	100
45)	2,2,4-Trimethylpentane	6.12	57	25327	8.545 ppb	100
47)	Carbon Tetrachloride	5.73	117	40318	10.176 ppb	100
48)	Tert Amyl Methyl Ether	6.18	73	47074	10.472 ppb	100
49)	1,2-DCA	6.04	62	36487	10.286 ppb	100
50)	Benzene	5.99	78	67135	10.146 ppb	100
51)	TCE	6.75	95	21853	10.316 ppb	100
52)	2-Pentanone	7.01	43	108759	126.491 ppb	100
53)	1,2-Dichloropropane	7.00	63	7561	10.302 ppb	100
54)	Bromodichloromethane	7.31	83	30571	10.292 ppb	100
55)	Methyl Cyclohexane	6.94	83	20502	9.014 ppb	100
56)	Dibromomethane	7.12	93	12823	9.922 ppb	100
57)	MIBK (methyl isobutyl ket	7.98	43	56842	51.693 ppb	100
58)	1-Bromo-2-chloroethane	7.62	144	4063	9.775 ppb	100
60)	Cis-1,3-Dichloropropene	7.79	75	27754	10.428 ppb	100
61)	Toluene	8.12	91	82436	10.773 ppb	100
62)	Trans-1,3-Dichloropropene	8.37	75	28083	10.641 ppb	100
63)	1,1,2-TCA	8.55	83	12220	10.302 ppb	100
64)	2-Hexanone	8.83	43	39749	53.450 ppb	100
67)	1,2-EDB	9.03	107	17939	9.796 ppb	100
68)	Tetrachloroethene	8.66	164	16284	8.843 ppb	100
69)	1-Chlorohexane	9.53	91	12452	9.039 ppb	100
70)	1,1,1,2-Tetrachloroethane	9.62	131	28021	10.852 ppb	100
71)	m&p-Xylene	9.77	106	82514	21.030 ppb	100
72)	o-Xylene	10.16	106	40678	9.886 ppb	100
73)	Styrene	10.18	104	66045	10.661 ppb	100
75)	1,3-Dichloropropane	8.71	76	26720	9.924 ppb	100
76)	Dibromochloromethane	8.93	129	26700	9.910 ppb	100
77)	Chlorobenzene	9.53	112	61648	10.246 ppb	100
78)	Ethylbenzene	9.65	91	94727	9.947 ppb	100
79)	Bromoform	10.35	173	22290	9.966 ppb	100
81)	Isopropylbenzene	10.53	105	106456	9.655 ppb	100
82)	1,1,2,2-Tetrachloroethane	10.84	83	18342	9.693 ppb	100
83)	1,2,3-Trichloropropane	10.87	110	9043	9.559 ppb	100
84)	t-1,4-Dichloro-2-Butene	10.90	53	4578	9.525 ppb	100

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

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211015\1015M17.D Vial: 7
Acq On : 15 Oct 21 17:35 Operator: LP,DG,CH
Sample : 10ug/L VOC STD 10/15/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 28 13:29 2021 Quant Results File: M1015W.RES

Quant Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 14:01:48 2021
Response via : Initial Calibration
DataAcq Meth : M8260

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
85)	Bromobenzene	10.81	156	34140	9.459	ppb	100
86)	n-Propylbenzene	10.94	91	111438	10.233	ppb	100
87)	4-Ethyltoluene	11.06	105	102117	10.155	ppb	100
88)	2-Chlorotoluene	11.01	91	87062	10.083	ppb	100
89)	1,3,5-Trimethylbenzene	11.12	105	98343	10.453	ppb	100
90)	4-Chlorotoluene	11.13	91	85815	10.006	ppb	100
91)	Tert-Butylbenzene	11.44	119	53976	10.391	ppb	100
92)	1,2,4-Trimethylbenzene	11.49	105	92332	10.359	ppb	100
93)	Sec-Butylbenzene	11.66	105	104508	10.514	ppb	100
94)	p-Isopropyltoluene	11.81	119	100003	10.408	ppb	100
95)	Benzyl Chloride	11.99	91	20556	9.035	ppb	100
96)	1,3-DCB	11.75	146	62186	9.896	ppb	100
97)	1,4-DCB	11.84	146	61854	9.664	ppb	100
98)	n-Butylbenzene	12.22	91	56499	8.873	ppb	100
99)	1,2-DCB	12.21	146	61844	10.054	ppb	100
100)	Hexachloroethane	12.46	117	14896	9.251	ppb	100
101)	1,2-Dibromo-3-chloropropan	12.99	75	5285	9.844	ppb	100
102)	1,2,4-Trichlorobenzene	13.81	180	18752	8.057	ppb	100
103)	Hexachlorobutadiene	13.99	225	23952	9.187	ppb	100
104)	Naphthalene	14.05	128	39199	8.857	ppb	100
105)	1,2,3-Trichlorobenzene	14.30	180	23602	7.991	ppb	100

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

Quantitation Report

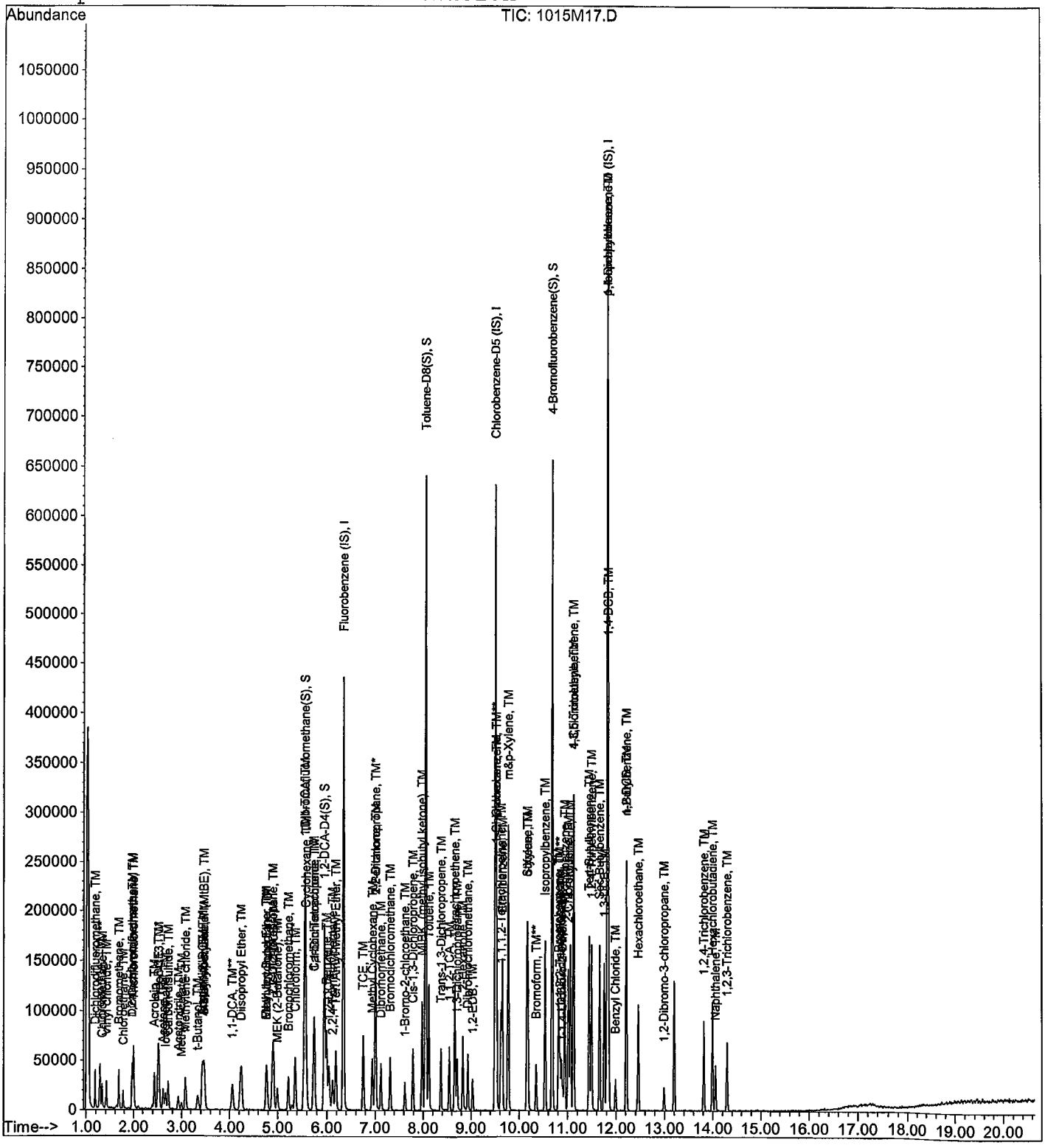
Data File : M:\MAX\DATA\211015\1015M17.D
Acq On : 15 Oct 21 17:35
Sample : 10ug/L VOC STD 10/15/21
Misc : IS&S 8/4/21

Vial: 7
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Oct 28 13:29 2021

Quant Results File: M1015W.RES

Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 14:01:48 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211015\1015M18.D Vial: 8
Acq On : 15 Oct 21 18:03 Operator: LP,DG,CH
Sample : 20ug/L VOC STD 10/15/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 28 13:29 2021 Quant Results File: M1015W.RES

Quant Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 14:01:48 2021
Response via : Initial Calibration
DataAcq Meth : M8260

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
1) Fluorobenzene (IS)	6.34	96	395871	25.000 ppb		0.00
65) Chlorobenzene-D5 (IS)	9.50	117	351611	25.000 ppb		0.00
80) 1,4-Dichlorobenzene-D (IS)	11.82	152	235162	25.000 ppb		0.00
System Monitoring Compounds						
41) Dibromofluoromethane(S)	5.56	111	236514	48.106 ppb		0.00
Spiked Amount 25.000			Recovery = 192.424%			
46) 1,2-DCA-D4(S)	5.95	65	166400	48.525 ppb		0.00
Spiked Amount 25.000			Recovery = 194.100%			
66) Toluene-D8(S)	8.05	98	780890	48.320 ppb		0.00
Spiked Amount 25.000			Recovery = 193.280%			
74) 4-Bromofluorobenzene(S)	10.68	95	327466	50.171 ppb		0.00
Spiked Amount 25.000			Recovery = 200.684%			
Target Compounds						Qvalue
3) Dichlorodifluoromethane	1.18	85	43432	18.324 ppb		97
4) Freon 114	1.29	85	29061	21.887 ppb		81
5) Chloromethane	1.33	50	25172	17.799 ppb		98
6) Vinyl chloride	1.42	62	33428	19.171 ppb		95
8) Bromomethane	1.68	94	25141	17.062 ppb		95
9) Chloroethane	1.77	64	20310	17.096 ppb		99
10) Dichlorofluoromethane	1.97	67	69254	18.104 ppb		99
11) Trichlorofluoromethane	2.00	101	90422	19.766 ppb		91
13) Acrolein	2.44	56	32051	143.615 ppb		99
14) Acetone	2.61	43	29127	56.432 ppb		99
15) Freon-113	2.53	151	37209	19.986 ppb		94
16) Acetonitrile	2.93	41	18046	147.124 ppb		93
18) 1,2-Dichlorotrifluoroethan	1.97	67	69254	18.103 ppb		100
19) 1,1-DCE	2.51	61	53746	19.388 ppb		97
20) t-Butanol	3.34	59	23282	147.596 ppb		92
21) Methyl Acetate	2.99	43	16974	19.556 ppb		100
22) Iodomethane	2.66	142	35780	17.500 ppb		93
23) Acrylonitrile	3.43	53	10005	20.602 ppb	#	84
25) Methylene chloride	3.08	84	34285	19.160 ppb		94
26) Carbon disulfide	2.71	76	44096	19.556 ppb		97
27) Methyl t-butyl ether (MtBE	3.47	73	114470	19.178 ppb		100
28) Trans-1,2-DCE	3.43	96	38698	20.023 ppb		94
29) 3-Methylpentane	3.47	57	21607	22.043 ppb		96
31) Diisopropyl Ether	4.24	45	74704	20.068 ppb		96
32) 1,1-DCA	4.06	63	59120	20.393 ppb		98
34) Ethyl tert Butyl Ether	4.77	59	95539	19.972 ppb		95
35) Methylcyclopentane	4.77	56	3929	20.366 ppb	#	100

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

Data File : M:\MAX\DATA\211015\1015M18.D Vial: 8
Acq On : 15 Oct 21 18:03 Operator: LP,DG,CH
Sample : 20ug/L VOC STD 10/15/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 28 13:29 2021 Quant Results File: M1015W.RES

Quant Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 14:01:48 2021
Response via : Initial Calibration
DataAcq Meth : M8260

Compound	R.T.	QIon	Response	Conc Unit		Qvalue
36) MEK (2-Butanone)	4.99	43	30811	57.095 ppb	#	91
37) Cis-1,2-DCE	4.91	96	40102	18.732 ppb		94
38) 2,2-Dichloropropane	4.89	77	73086	19.651 ppb		99
39) Chloroform	5.36	83	81653	21.694 ppb		100
40) Bromochloromethane	5.22	130	33221	20.251 ppb		93
42) 1,1,1-TCA	5.54	97	93844	21.233 ppb		95
43) Cyclohexane	5.58	41	24494	19.377 ppb		85
44) 1,1-Dichloropropene	5.75	75	49132	20.490 ppb		93
45) 2,2,4-Trimethylpentane	6.12	57	57952	18.637 ppb	#	81
47) Carbon Tetrachloride	5.73	117	81738	19.664 ppb		94
48) Tert Amyl Methyl Ether	6.18	73	93531	19.832 ppb		97
49) 1,2-DCA	6.04	62	73123	19.649 ppb		97
50) Benzene	5.99	78	134429	19.364 ppb		95
51) TCE	6.75	95	41884	18.846 ppb		85
52) 2-Pentanone	7.01	43	131778	146.091 ppb		97
53) 1,2-Dichloropropane	7.00	63	15331	20.203 ppb		99
54) Bromodichloromethane	7.31	83	63530	20.387 ppb		94
55) Methyl Cyclohexane	6.94	83	47883	19.876 ppb		99
56) Dibromomethane	7.12	93	24263	17.896 ppb		99
57) MIBK (methyl isobutyl ket	7.98	43	66896	57.990 ppb		96
58) 1-Bromo-2-chloroethane	7.62	144	8668	19.847 ppb		82
60) Cis-1,3-Dichloropropene	7.79	75	58299	20.879 ppb		92
61) Toluene	8.12	91	158484	19.741 ppb		98
62) Trans-1,3-Dichloropropene	8.37	75	58054	20.967 ppb		99
63) 1,1,2-TCA	8.55	83	23159	18.610 ppb		98
64) 2-Hexanone	8.83	43	48162	61.732 ppb		96
67) 1,2-EDB	9.03	107	37727	20.335 ppb		91
68) Tetrachloroethene	8.66	164	37992	22.272 ppb	#	77
69) 1-Chlorohexane	9.53	91	27928	20.011 ppb		92
70) 1,1,1,2-Tetrachloroethane	9.62	131	54825	20.959 ppb		97
71) m&p-Xylene	9.77	106	168462	42.381 ppb		94
72) o-Xylene	10.16	106	80768	19.375 ppb		96
73) Styrene	10.18	104	132105	21.048 ppb		100
75) 1,3-Dichloropropane	8.71	76	51570	18.905 ppb	#	81
76) Dibromochloromethane	8.93	129	55342	20.276 ppb		97
77) Chlorobenzene	9.53	112	123674	20.290 ppb		95
78) Ethylbenzene	9.65	91	190505	19.746 ppb		99
79) Bromoform	10.35	173	46086	20.340 ppb		91
81) Isopropylbenzene	10.53	105	215921	19.689 ppb		96
82) 1,1,2,2-Tetrachloroethane	10.84	83	34580	18.374 ppb		93
83) 1,2,3-Trichloropropane	10.88	110	18655	19.828 ppb		93
84) t-1,4-Dichloro-2-Butene	10.90	53	9193	18.974 ppb		76

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

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211015\1015M18.D Vial: 8
Acq On : 15 Oct 21 18:03 Operator: LP,DG,CH
Sample : 20ug/L VOC STD 10/15/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 28 13:29 2021 Quant Results File: M1015W.RES

Quant Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 14:01:48 2021
Response via : Initial Calibration
DataAcq Meth : M8260

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
85)	Bromobenzene	10.81	156	72807	20.281	ppb		87
86)	n-Propylbenzene	10.94	91	218212	20.148	ppb		98
87)	4-Ethyltoluene	11.06	105	204272	20.424	ppb		94
88)	2-Chlorotoluene	11.01	91	166317	19.367	ppb		92
89)	1,3,5-Trimethylbenzene	11.12	105	188460	20.141	ppb		96
90)	4-Chlorotoluene	11.13	91	169578	19.881	ppb		99
91)	Tert-Butylbenzene	11.44	119	113528	21.975	ppb		98
92)	1,2,4-Trimethylbenzene	11.49	105	194704	21.963	ppb		97
93)	Sec-Butylbenzene	11.66	105	210964	21.340	ppb		99
94)	p-Isopropyltoluene	11.81	119	210376	22.014	ppb		98
95)	Benzyl Chloride	11.99	91	42029	18.574	ppb		97
96)	1,3-DCB	11.75	146	126212	20.194	ppb		98
97)	1,4-DCB	11.84	146	125705	19.748	ppb		96
98)	n-Butylbenzene	12.22	91	128982	18.668	ppb		95
99)	1,2-DCB	12.21	146	124816	20.402	ppb		98
100)	Hexachloroethane	12.46	117	30628	19.125	ppb		94
101)	1,2-Dibromo-3-chloropropan	12.99	75	10893	19.308	ppb	#	81
102)	1,2,4-Trichlorobenzene	13.81	180	49784	17.829	ppb		88
103)	Hexachlorobutadiene	13.99	225	53060	19.227	ppb		97
104)	Naphthalene	14.05	128	96821	19.570	ppb		99
105)	1,2,3-Trichlorobenzene	14.30	180	62906	17.043	ppb		86

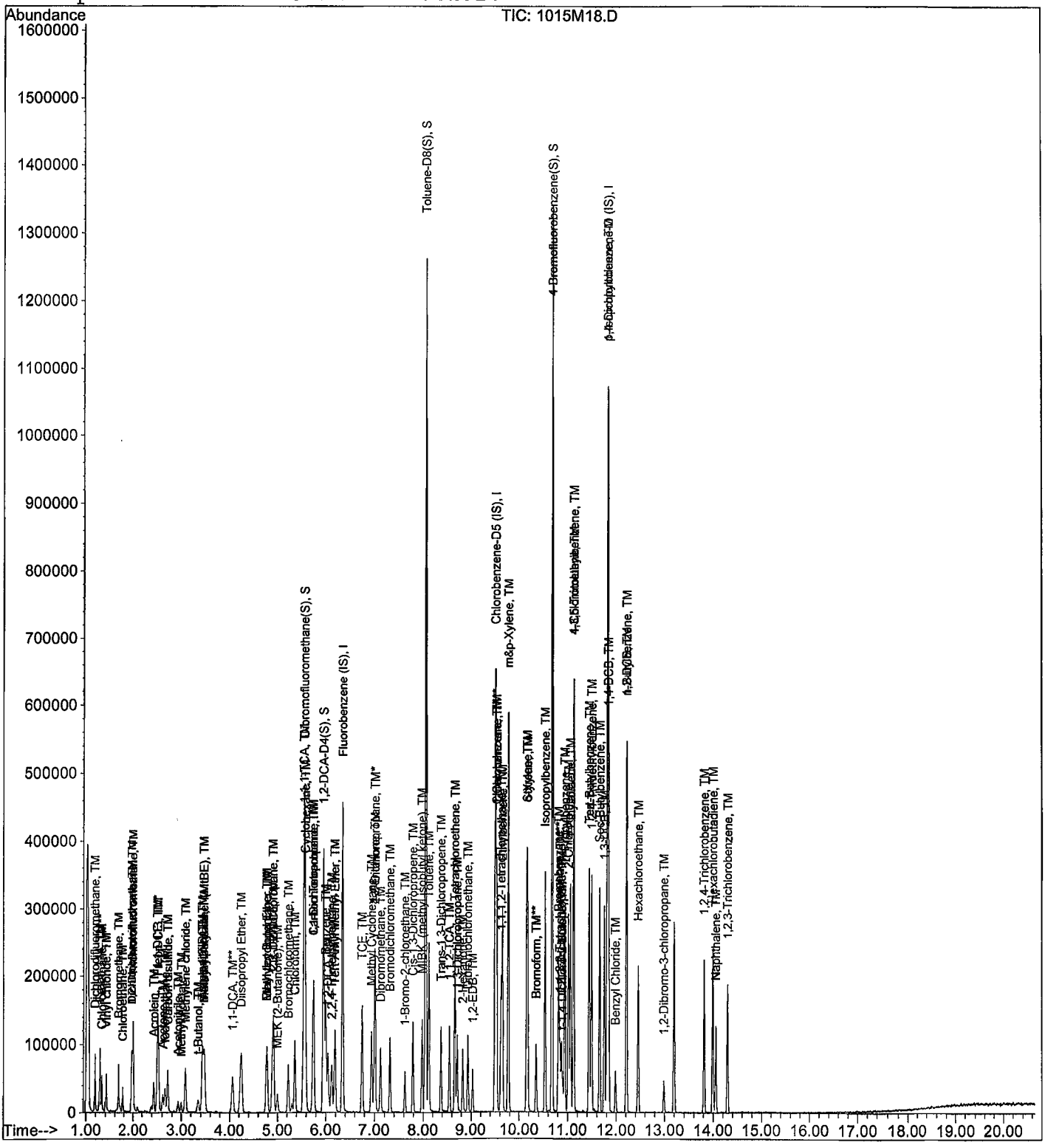
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\MAX\DATA\211015\1015M18.D Vial: 8
Acq On : 15 Oct 21 18:03 Operator: LP,DG,CH
Sample : 20ug/L VOC STD 10/15/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 28 13:29 2021 Quant Results File: M1015W.RES

Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 14:01:48 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211015\1015M19.D Vial: 9
Acq On : 15 Oct 21 18:31 Operator: LP,DG,CH
Sample : 40ug/L VOC STD 10/15/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 28 13:29 2021 Quant Results File: M1015W.RES

Quant Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 14:01:48 2021
Response via : Initial Calibration
DataAcq Meth : M8260

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
1) Fluorobenzene (IS)	6.34	96	394795	25.000 ppb		0.00
65) Chlorobenzene-D5 (IS)	9.50	117	356570	25.000 ppb		0.00
80) 1,4-Dichlorobenzene-D (IS)	11.82	152	246902	25.000 ppb		0.00
System Monitoring Compounds						
41) Dibromofluoromethane(S)	5.56	111	238087	48.557 ppb		0.00
Spiked Amount 25.000			Recovery = 194.228%			
46) 1,2-DCA-D4(S)	5.95	65	166336	48.639 ppb		0.00
Spiked Amount 25.000			Recovery = 194.556%			
66) Toluene-D8(S)	8.05	98	788816	48.132 ppb		0.00
Spiked Amount 25.000			Recovery = 192.528%			
74) 4-Bromofluorobenzene(S)	10.68	95	335059	50.620 ppb		0.00
Spiked Amount 25.000			Recovery = 202.480%			
Target Compounds						Qvalue
3) Dichlorodifluoromethane	1.18	85	95360	40.342 ppb		100
4) Freon 114	1.29	85	57360	43.317 ppb		83
5) Chloromethane	1.33	50	56542	40.090 ppb		94
6) Vinyl chloride	1.42	62	70630	40.616 ppb		92
8) Bromomethane	1.68	94	51410	34.985 ppb		91
9) Chloroethane	1.77	64	42072	34.317 ppb		97
10) Dichlorofluoromethane	1.97	67	141160	37.001 ppb		99
11) Trichlorofluoromethane	2.00	101	187948	41.197 ppb		98
13) Acrolein	2.43	56	40051	178.008 ppb		88
14) Acetone	2.62	43	39041	75.846 ppb		98
15) Freon-113	2.52	151	70973	38.226 ppb		97
16) Acetonitrile	2.93	41	22065	180.380 ppb		88
18) 1,2-Dichlorotrifluoroethan	1.97	67	141160	36.999 ppb		100
19) 1,1-DCE	2.50	61	104417	37.770 ppb		96
20) t-Butanol	3.35	59	36678	260.516 ppb		96
21) Methyl Acetate	2.99	43	34963	40.405 ppb		95
22) Iodomethane	2.66	142	81874	38.549 ppb		95
23) Acrylonitrile	3.43	53	19528	40.427 ppb	#	80
25) Methylene chloride	3.08	84	68587	38.435 ppb		97
26) Carbon disulfide	2.71	76	86056	38.269 ppb		99
27) Methyl t-butyl ether (MtBE	3.47	73	239816	40.287 ppb		94
28) Trans-1,2-DCE	3.43	96	72205	37.461 ppb		95
29) 3-Methylpentane	3.47	57	37452	38.733 ppb		88
31) Diisopropyl Ether	4.24	45	152386	41.048 ppb		95
32) 1,1-DCA	4.06	63	116415	40.265 ppb	#	94
34) Ethyl tert Butyl Ether	4.77	59	199919	41.907 ppb		94
35) Methylcyclopentane	4.77	56	8348	44.984 ppb		100

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

Data File : M:\MAX\DATA\211015\1015M19.D Vial: 9
Acq On : 15 Oct 21 18:31 Operator: LP,DG,CH
Sample : 40ug/L VOC STD 10/15/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 28 13:29 2021 Quant Results File: M1015W.RES

Quant Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 14:01:48 2021
Response via : Initial Calibration
DataAcq Meth : M8260

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
36)	MEK (2-Butanone)	4.99	43	43256	80.375 ppb		88
37)	Cis-1,2-DCE	4.91	96	82880	38.819 ppb		92
38)	2,2-Dichloropropane	4.89	77	141607	38.178 ppb		99
39)	Chloroform	5.36	83	160419	42.738 ppb		94
40)	Bromochloromethane	5.22	130	68479	42.321 ppb		94
42)	1,1,1-TCA	5.54	97	182393	41.381 ppb		98
43)	Cyclohexane	5.58	41	48312	38.323 ppb		90
44)	1,1-Dichloropropene	5.75	75	94511	39.523 ppb		97
45)	2,2,4-Trimethylpentane	6.12	57	121452	39.164 ppb	#	86
47)	Carbon Tetrachloride	5.74	117	166925	40.267 ppb		98
48)	Tert Amyl Methyl Ether	6.18	73	194157	41.281 ppb		97
49)	1,2-DCA	6.04	62	153949	41.480 ppb		100
50)	Benzene	5.99	78	269561	38.936 ppb		99
51)	TCE	6.75	95	85080	38.387 ppb		85
52)	2-Pentanone	7.01	43	159478	177.282 ppb		99
53)	1,2-Dichloropropane	7.00	63	32440	43.217 ppb		96
54)	Bromodichloromethane	7.31	83	132884	42.759 ppb		99
55)	Methyl Cyclohexane	6.94	83	97260	40.321 ppb		100
56)	Dibromomethane	7.12	93	50236	37.154 ppb		93
57)	MIBK (methyl isobutyl ket	7.98	43	93060	80.890 ppb		97
58)	1-Bromo-2-chloroethane	7.62	144	17760	40.743 ppb		98
60)	Cis-1,3-Dichloropropene	7.79	75	117498	42.195 ppb		96
61)	Toluene	8.12	91	319786	39.942 ppb		99
62)	Trans-1,3-Dichloropropene	8.37	75	122778	44.465 ppb		99
63)	1,1,2-TCA	8.55	83	47558	38.320 ppb		94
64)	2-Hexanone	8.83	43	66653	85.666 ppb		94
67)	1,2-EDB	9.03	107	74115	39.394 ppb		95
68)	Tetrachloroethene	8.66	164	70304	41.847 ppb		81
69)	1-Chlorohexane	9.53	91	54312	38.375 ppb		96
70)	1,1,1,2-Tetrachloroethane	9.62	131	111805	42.148 ppb		92
71)	m&p-Xylene	9.77	106	333019	82.615 ppb		100
72)	o-Xylene	10.16	106	167690	39.667 ppb		100
73)	Styrene	10.18	104	270125	42.440 ppb		99
75)	1,3-Dichloropropane	8.71	76	106532	38.511 ppb		88
76)	Dibromochloromethane	8.93	129	113393	40.966 ppb		99
77)	Chlorobenzene	9.53	112	247111	39.978 ppb		96
78)	Ethylbenzene	9.65	91	393606	40.231 ppb		98
79)	Bromoform	10.35	173	96934	42.187 ppb		94
81)	Isopropylbenzene	10.53	105	436071	37.873 ppb		98
82)	1,1,2,2-Tetrachloroethane	10.84	83	72110	36.494 ppb		91
83)	1,2,3-Trichloropropane	10.88	110	37233	37.692 ppb		94
84)	t-1,4-Dichloro-2-Butene	10.90	53	20351	39.727 ppb		74

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

Data File : M:\MAX\DATA\211015\1015M19.D Vial: 9
Acq On : 15 Oct 21 18:31 Operator: LP,DG,CH
Sample : 40ug/L VOC STD 10/15/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 28 13:29 2021 Quant Results File: M1015W.RES

Quant Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 14:01:48 2021
Response via : Initial Calibration
DataAcq Meth : M8260

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
85)	Bromobenzene	10.81	156	144680	38.386 ppb	93
86)	n-Propylbenzene	10.94	91	452586	39.800 ppb	99
87)	4-Ethyltoluene	11.06	105	417221	39.733 ppb	95
88)	2-Chlorotoluene	11.01	91	340873	37.806 ppb	88
89)	1,3,5-Trimethylbenzene	11.12	105	382964	38.982 ppb	97
90)	4-Chlorotoluene	11.13	91	343947	38.405 ppb	99
91)	Tert-Butylbenzene	11.44	119	234880	43.303 ppb	98
92)	1,2,4-Trimethylbenzene	11.49	105	396710	42.621 ppb	99
93)	Sec-Butylbenzene	11.66	105	437165	42.118 ppb	99
94)	p-Isopropyltoluene	11.81	119	441578	44.009 ppb	98
95)	Benzyl Chloride	11.99	91	88019	37.049 ppb	99
96)	1,3-DCB	11.75	146	262502	40.004 ppb	98
97)	1,4-DCB	11.84	146	255429	38.219 ppb	96
98)	n-Butylbenzene	12.22	91	282853	37.563 ppb	98
99)	1,2-DCB	12.21	146	253718	39.499 ppb	99
100)	Hexachloroethane	12.46	117	65707	39.078 ppb	99
101)	1,2-Dibromo-3-chloropropan	12.99	75	22876	37.602 ppb	91
102)	1,2,4-Trichlorobenzene	13.81	180	113144	36.028 ppb	94
103)	Hexachlorobutadiene	13.99	225	114209	38.361 ppb	98
104)	Naphthalene	14.05	128	238304	40.708 ppb	99
105)	1,2,3-Trichlorobenzene	14.30	180	146469	34.628 ppb	90

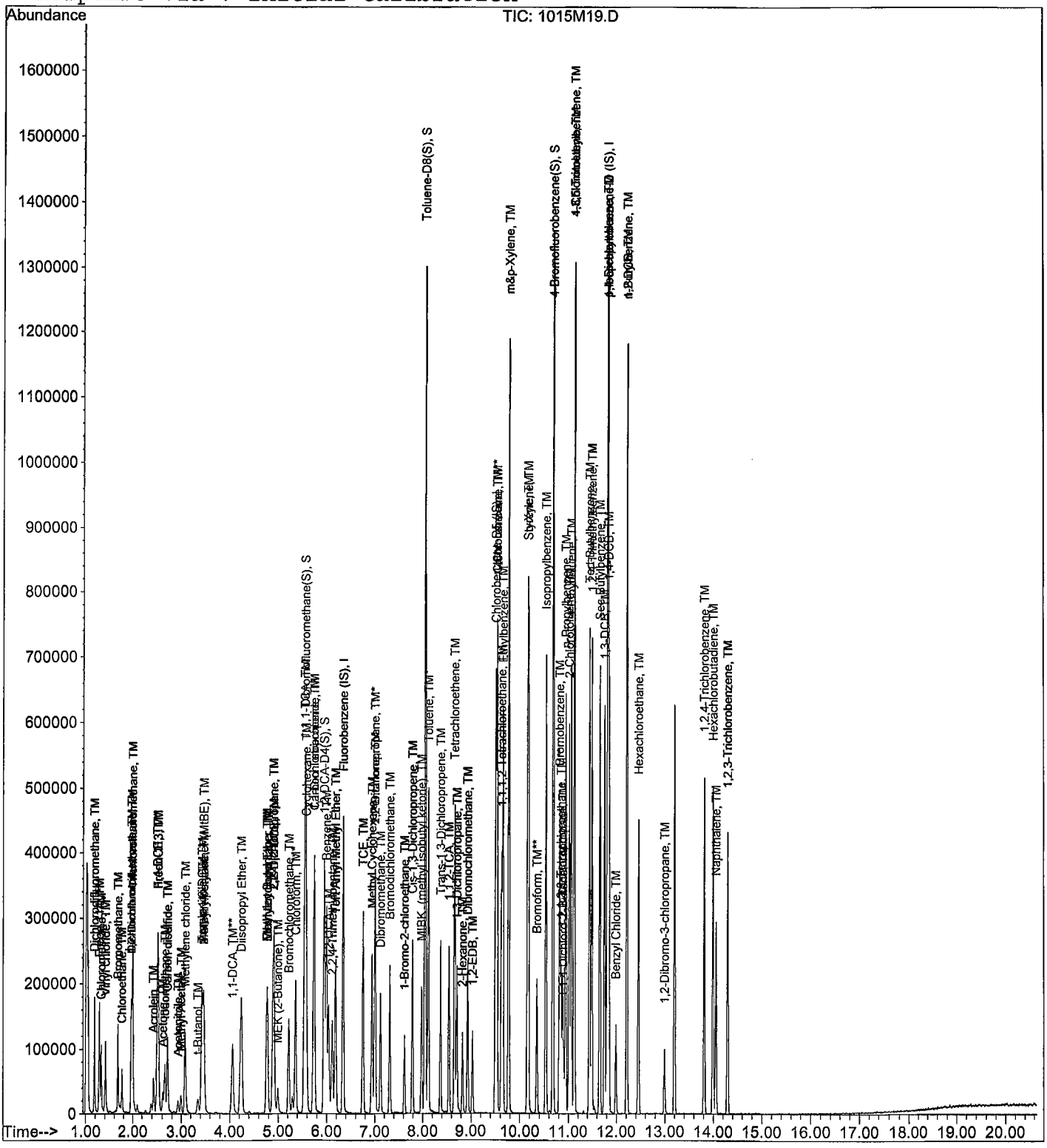
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\MAX\DATA\211015\1015M19.D Vial: 9
Acq On : 15 Oct 21 18:31 Operator: LP,DG,CH
Sample : 40ug/L VOC STD 10/15/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 28 13:29 2021 Quant Results File: M1015W.RES

Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 14:01:48 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211015\1015M20.D Vial: 10
Acq On : 15 Oct 21 19:00 Operator: LP,DG,CH
Sample : 100ug/L VOC STD 10/15/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 28 13:29 2021 Quant Results File: M1015W.RES

Quant Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 14:01:48 2021
Response via : Initial Calibration
DataAcq Meth : M8260

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
1) Fluorobenzene (IS)	6.34	96	386789	25.000 ppb		0.00
65) Chlorobenzene-D5 (IS)	9.50	117	357810	25.000 ppb		0.00
80) 1,4-Dichlorobenzene-D (IS)	11.82	152	248989	25.000 ppb		0.00
System Monitoring Compounds						
41) Dibromofluoromethane(S)	5.56	111	442755	92.168 ppb		0.00
Spiked Amount 25.000			Recovery = 368.672%			
46) 1,2-DCA-D4(S)	5.95	65	315456	94.152 ppb		0.00
Spiked Amount 25.000			Recovery = 376.608%			
66) Toluene-D8(S)	8.05	98	1486255	90.373 ppb		0.00
Spiked Amount 25.000			Recovery = 361.492%			
74) 4-Bromofluorobenzene(S)	10.68	95	657746	99.026 ppb		0.00
Spiked Amount 25.000			Recovery = 396.104%			
Target Compounds						Qvalue
3) Dichlorodifluoromethane	1.18	85	234560	101.285 ppb		99
4) Freon 114	1.29	85	146791	113.148 ppb		80
5) Chloromethane	1.33	50	143008	103.497 ppb		97
6) Vinyl chloride	1.42	62	168822	99.092 ppb		98
8) Bromomethane	1.68	94	135974	94.447 ppb		93
9) Chloroethane	1.76	64	126156	102.748 ppb		97
10) Dichlorofluoromethane	1.96	67	347423	92.952 ppb		100
11) Trichlorofluoromethane	1.99	101	454942	101.784 ppb		94
13) Acrolein	2.44	56	44550	200.532 ppb		88
14) Acetone	2.62	43	47910	95.002 ppb		94
15) Freon-113	2.52	151	175591	96.531 ppb		89
16) Acetonitrile	2.94	41	23864	199.125 ppb		91
18) 1,2-Dichlorotrifluoroethan	1.96	67	347584	92.990 ppb	#	100
19) 1,1-DCE	2.50	61	262927	97.075 ppb		95
20) t-Butanol	3.37	59	50833	524.590 ppb		99
21) Methyl Acetate	3.00	43	84654	99.954 ppb		85
22) Iodomethane	2.65	142	214716	101.111 ppb		98
23) Acrylonitrile	3.44	53	47089	99.663 ppb		93
25) Methylene chloride	3.08	84	160180	91.620 ppb		95
26) Carbon disulfide	2.71	76	194560	88.311 ppb		97
27) Methyl t-butyl ether (MtBE	3.47	73	555224	95.204 ppb		93
28) Trans-1,2-DCE	3.42	96	182546	96.668 ppb		100
29) 3-Methylpentane	3.47	57	93951	100.065 ppb		89
31) Diisopropyl Ether	4.24	45	370710	101.925 ppb		97
32) 1,1-DCA	4.06	63	285289	100.717 ppb	#	93
34) Ethyl tert Butyl Ether	4.77	59	459729	98.362 ppb		97
35) Methylcyclopentane	4.77	56	17519	97.969 ppb	#	100

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

Data File : M:\MAX\DATA\211015\1015M20.D Vial: 10
Acq On : 15 Oct 21 19:00 Operator: LP,DG,CH
Sample : 100ug/L VOC STD 10/15/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 28 13:29 2021 Quant Results File: M1015W.RES

Quant Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 14:01:48 2021
Response via : Initial Calibration
DataAcq Meth : M8260

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
36)	MEK (2-Butanone)	4.99	43	53511	101.488 ppb		90
37)	Cis-1,2-DCE	4.91	96	197796	94.562 ppb		94
38)	2,2-Dichloropropane	4.89	77	346511	95.356 ppb		100
39)	Chloroform	5.36	83	390282	106.128 ppb		94
40)	Bromochloromethane	5.22	130	156085	99.037 ppb	#	88
42)	1,1,1-TCA	5.54	97	433213	100.321 ppb		97
43)	Cyclohexane	5.58	41	121867	98.671 ppb		90
44)	1,1-Dichloropropene	5.75	75	231228	98.697 ppb		95
45)	2,2,4-Trimethylpentane	6.12	57	302605	99.600 ppb		87
47)	Carbon Tetrachloride	5.74	117	411487	101.317 ppb		95
48)	Tert Amyl Methyl Ether	6.18	73	450960	97.867 ppb		97
49)	1,2-DCA	6.04	62	367370	101.033 ppb		98
50)	Benzene	5.99	78	649591	95.771 ppb		98
51)	TCE	6.75	95	206061	94.896 ppb		84
52)	2-Pentanone	7.01	43	179595	203.777 ppb		99
53)	1,2-Dichloropropane	7.00	63	72296	98.706 ppb		96
54)	Bromodichloromethane	7.31	83	317248	104.196 ppb		100
55)	Methyl Cyclohexane	6.94	83	236830	99.982 ppb		93
56)	Dibromomethane	7.12	93	119549	90.246 ppb		95
57)	MIBK (methyl isobutyl ket	7.98	43	114125	101.254 ppb		98
58)	1-Bromo-2-chloroethane	7.62	144	42608	99.726 ppb		91
60)	Cis-1,3-Dichloropropene	7.79	75	293076	107.426 ppb		94
61)	Toluene	8.12	91	786013	100.208 ppb		96
62)	Trans-1,3-Dichloropropene	8.37	75	301333	111.389 ppb		100
63)	1,1,2-TCA	8.55	83	116902	96.145 ppb		93
64)	2-Hexanone	8.83	43	83212	109.163 ppb	#	92
67)	1,2-EDB	9.03	107	187298	99.207 ppb		98
68)	Tetrachloroethene	8.66	164	163584	98.962 ppb		86
69)	1-Chlorohexane	9.53	91	140232	98.740 ppb		96
70)	1,1,1,2-Tetrachloroethane	9.62	131	281249	105.657 ppb		97
71)	m&p-Xylene	9.77	106	823233	203.519 ppb		98
72)	o-Xylene	10.16	106	418928	98.754 ppb		98
73)	Styrene	10.18	104	692047	108.353 ppb		98
75)	1,3-Dichloropropane	8.71	76	259322	93.419 ppb		91
76)	Dibromochloromethane	8.93	129	278663	100.326 ppb		98
77)	Chlorobenzene	9.53	112	618681	99.744 ppb		96
78)	Ethylbenzene	9.65	91	972119	99.016 ppb		100
79)	Bromoform	10.35	173	247112	107.173 ppb		95
81)	Isopropylbenzene	10.54	105	1132302	97.518 ppb		98
82)	1,1,2,2-Tetrachloroethane	10.85	83	183360	92.019 ppb		93
83)	1,2,3-Trichloropropane	10.88	110	96387	96.757 ppb		94
84)	t-1,4-Dichloro-2-Butene	10.90	53	52050	100.367 ppb		80

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

Data File : M:\MAX\DATA\211015\1015M20.D Vial: 10
Acq On : 15 Oct 21 19:00 Operator: LP,DG,CH
Sample : 100ug/L VOC STD 10/15/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 28 13:29 2021 Quant Results File: M1015W.RES

Quant Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 14:01:48 2021
Response via : Initial Calibration
DataAcq Meth : M8260

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
85)	Bromobenzene	10.81	156	374456	98.518	ppb	91
86)	n-Propylbenzene	10.94	91	1150904	100.362	ppb	100
87)	4-Ethyltoluene	11.06	105	1068018	100.857	ppb	94
88)	2-Chlorotoluene	11.02	91	751088	82.605	ppb	92
89)	1,3,5-Trimethylbenzene	11.12	105	1000113	100.947	ppb	99
90)	4-Chlorotoluene	11.13	91	881242	97.575	ppb	99
91)	Tert-Butylbenzene	11.44	119	615168	112.463	ppb	97
92)	1,2,4-Trimethylbenzene	11.49	105	1027302	109.444	ppb	98
93)	Sec-Butylbenzene	11.66	105	1145861	109.472	ppb	100
94)	p-Isopropyltoluene	11.81	119	1156691	114.314	ppb	99
95)	Benzyl Chloride	11.99	91	250447	104.536	ppb	97
96)	1,3-DCB	11.75	146	675841	102.132	ppb	99
97)	1,4-DCB	11.85	146	672085	99.718	ppb	98
98)	n-Butylbenzene	12.22	91	786990	101.331	ppb	97
99)	1,2-DCB	12.21	146	677640	104.612	ppb	98
100)	Hexachloroethane	12.46	117	181188	106.854	ppb	98
101)	1,2-Dibromo-3-chloropropan	12.99	75	63114	101.105	ppb	93
102)	1,2,4-Trichlorobenzene	13.81	180	337280	102.191	ppb	90
103)	Hexachlorobutadiene	13.99	225	307962	100.889	ppb	97
104)	Naphthalene	14.06	128	746536	99.939	ppb	97
105)	1,2,3-Trichlorobenzene	14.30	180	462536	102.891	ppb	90

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

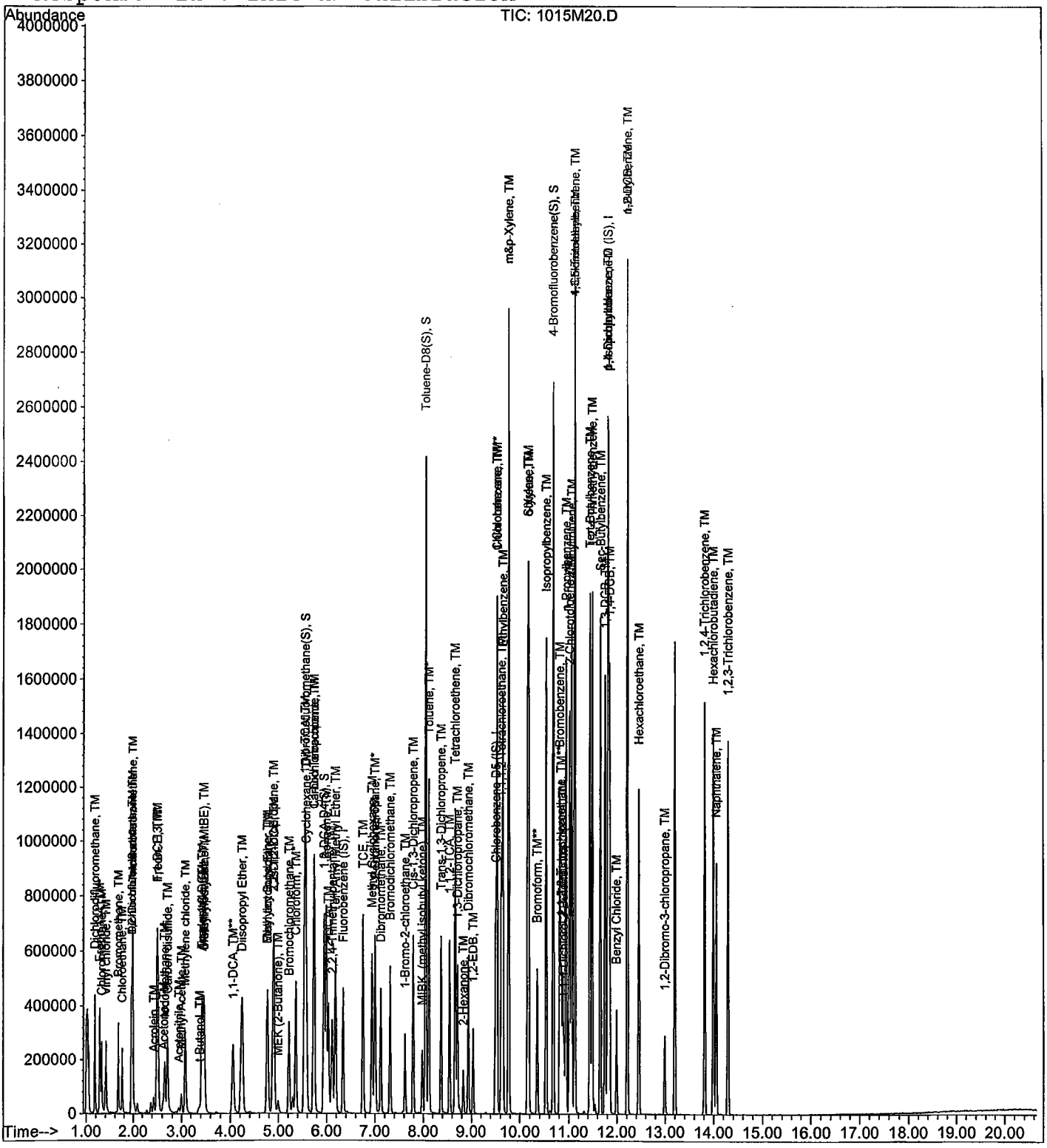
Quantitation Report

Data File : M:\MAX\DATA\211015\1015M20.D
Acq On : 15 Oct 21 19:00
Sample : 100ug/L VOC STD 10/15/21
Misc : IS&S 8/4/21

Vial: 10
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Oct 28 13:29 2021 Quant Results File: M1015W.RES

Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 14:01:48 2021
Response via : Initial Calibration



VOLATILE ORGANIC ANALYSIS BY
EPA METHOD 8260B

Form 7

Second Source Calibration

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

SDG No:
Date Analyzed: 10/15/2021
Instrument: Max
Initial Cal. Date: 10/15/2021
Data File: 1015M22.D

		Compound	MEAN	CCRF	%D		%Drift	
1	TM	Chlorotrifluoroethene	0.0000	0.0122	0.00	TM		
2	TM	Dichlorodifluoromethane	0.1497	0.1425	4.8	TM		
3	TM	Freon 114	0.0839	0.0990	18	TM		
4	TM**	Chloromethane	0.0893	0.0842	5.7	TM**		
5	TM*	Vinyl chloride	0.1101	0.1001	9.1	TM*		
6	TM	2-Chloro-1,1,1-trifluoroethane	0.0000	0.0024	0.00	TM		
7	TM	Bromomethane	0.0931	0.0814	13	TM		
8	TML	Chloroethane	0.0844	0.0648	23	TML	8.2	
9	TM	Dichlorofluoromethane	0.2416	0.1948	19	TM		
10	TM	Trichlorofluoromethane	0.2889	0.2752	4.8	TM		
11	TM	2,2-Dichloro-1,1,1-trifluoroethane	0.0000	0.0001	0.00	TM		
12	TMQ	Acrolein	0.0145	0.0122	15	TMQ	12	
13	TM	Acetone	0.0326	0.0319	2.1	TM		
14	TM	Freon-113	0.1176	0.1116	5.1	TM		
15	TM	Acetonitrile	0.0077	0.0083	7.5	TM		
16	TML	2-propanol	0.0000	0.0009	0.00	TML		
17	TM	1,2-Dichlorotrifluoroethane	0.2416	0.1948	19	TM		
18	TM*	1,1-DCE	0.1751	0.1607	8.2	TM*		
19	TMQ	t-Butanol	0.0101	0.0116	14	TMQ	16	
20	TMQ	Methyl Acetate	0.0528	0.0415	21	TMQ	24	*NT
21	TML	Iodomethane	0.1096	0.0881	20	TML	24	*NT
22	TML	Acrylonitrile	0.0252	0.0300	19	TML	2.8	
23	TM	Methylene chloride	0.1130	0.1086	3.9	TM		
24	TM	Carbon disulfide	0.1424	0.1277	10	TM		
25	TM	Methyl t-butyl ether (MtBE)	0.3769	0.3493	7.3	TM		
26	TM	Trans-1,2-DCE	0.1221	0.1176	3.6	TM		
27	TML	3-Methylpentane	0.0702	0.0590	16	TML	7.9	
28	TM	Hexane	0.0000	0.0008	0.00	TM		
29	TM	Diisopropyl Ether	0.2351	0.2190	6.9	TM		
30	TM**	1,1-DCA	0.1831	0.1889	3.2	TM**		
31	TM	Ethyl tert Butyl Ether	0.3021	0.2803	7.2	TM		
32	TML	Methylcyclopentane	0.0160	0.0145	9.4	TML	13	
33	TM	MEK (2-Butanone)	0.0341	0.0344	1.0	TM		
34	TM	Cis-1,2-DCE	0.1352	0.1221	9.7	TM		
35	TM	2,2-Dichloropropane	0.2349	0.2108	10	TM		
36	TM*	Chloroform	0.2377	0.2410	1.4	TM*		
37	TML	Bromochloromethane	0.1040	0.0967	7.0	TML	9.0	
38	TM	1,1,1-TCA	0.2791	0.2799	0.27	TM		
39	TM	Cyclohexane	0.0798	0.0682	15	TM		
40	TM	1,1-Dichloropropene	0.1514	0.1477	2.5	TM		
		Average			8.6			

VOLATILE ORGANIC ANALYSIS BY
EPA METHOD 8260B

Form 7

Second Source Calibration

Lab Name: APPL, Inc. SDG No:
Case No: Date Analyzed: 10/15/2021
Matrix: WATER Instrument: Max
Cal. Date: 10/15/2021
Data File: 1015M22.D

		Compound	MEAN	CCRF	%D		%Drift
41	TM	2,2,4-Trimethylpentane	0.1964	0.1702	13	TM	
42	TM	Carbon Tetrachloride	0.2625	0.2517	4.1	TM	
43	TM	Tert Amyl Methyl Ether	0.2978	0.2793	6.2	TM	
44	TM	1,2-DCA	0.2350	0.2325	1.1	TM	
45	TM	Benzene	0.4384	0.4137	5.6	TM	
46	TM	TCE	0.1404	0.1388	1.1	TM	
47	TM	2-Pentanone	0.0570	0.0572	0.40	TM	
48	TM*L	1,2-Dichloropropane	0.0476	0.0463	2.9	TM*L	5.1
49	TM	Bromodichloromethane	0.1968	0.1954	0.72	TM	
50	TML	Methyl Cyclohexane	0.1542	0.1469	4.7	TML	2.6
51	TM	Dibromomethane	0.0856	0.0761	11	TM	
52	TM	MIBK (methyl isobutyl ketone)	0.0729	0.0782	7.3	TM	
53	TML	1-Bromo-2-chloroethane	0.0245	0.0257	4.8	TML	6.7
54	TM	2-Chloroethyl vinyl ether	0.0000	0.0001	0.00	TM	
55	TM	Cis-1,3-Dichloropropene	0.1763	0.1779	0.88	TM	
56	TM*	Toluene	0.5070	0.4972	1.9	TM*	
57	TM	Trans-1,3-Dichloropropene	0.1749	0.1751	0.15	TM	
58	TM	1,1,2-TCA	0.0786	0.0760	3.3	TM	
59	TM	2-Hexanone	0.0493	0.0526	6.7	TM	
60	TM	1,2-EDB	0.1319	0.1272	3.6	TM	
61	TML	Tetrachloroethene	0.2207	0.1356	39	TML	4.5
62	TM	1-Chlorohexane	0.0992	0.0866	13	TM	
63	TM	1,1,1,2-Tetrachloroethane	0.1860	0.1885	1.4	TM	
64	TM	m&p-Xylene	0.2826	0.2811	0.55	TM	
65	TM	o-Xylene	0.2964	0.2821	4.8	TM	
66	TM	Styrene	0.4463	0.4632	3.8	TM	
67	TM	1,3-Dichloropropane	0.1940	0.1840	5.1	TM	
68	TM	Dibromochloromethane	0.1941	0.1947	0.35	TM	
69	TM**	Chlorobenzene	0.4334	0.4155	4.1	TM**	
70	TM*	Ethylbenzene	0.6860	0.6607	3.7	TM*	
71	TM**	Bromoform	0.1611	0.1543	4.2	TM**	
72	TM	Isopropylbenzene	1.166	1.132	2.9	TM	
73	TM**	1,1,2,2-Tetrachloroethane	0.2001	0.1827	8.7	TM**	
74	TM	1,2,3-Trichloropropane	0.1000	0.1008	0.81	TM	
75	TML	t-1,4-Dichloro-2-Butene	0.0601	0.0488	19	TML	4.0
76	TM	Bromobenzene	0.3816	0.3657	4.2	TM	
77	TM	n-Propylbenzene	1.151	1.138	1.2	TM	
78	TM	4-Ethyltoluene	1.063	0.9969	6.2	TM	
79	TM	2-Chlorotoluene	0.9129	0.8702	4.7	TM	
80	TM	1,3,5-Trimethylbenzene	0.9948	1.004	0.90	TM	
		Average			5.2		

VOLATILE ORGANIC ANALYSIS BY
EPA METHOD 8260B

Form 7

Second Source Calibration

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

SDG No:
Date Analyzed: 10/15/2021
Instrument: Max
Cal. Date: 10/15/2021
Data File: 1015M22.D

		Compound	MEAN	CCRF	%D		%Drift
81	TM	4-Chlorotoluene	0.9068	0.8859	2.3	TM	
82	TM	Tert-Butylbenzene	0.5492	0.5705	3.9	TM	
83	TM	1,2,4-Trimethylbenzene	0.9425	0.9915	5.2	TM	
84	TM	Sec-Butylbenzene	1.051	1.108	5.5	TM	
85	TM	p-Isopropyltoluene	1.016	1.070	5.3	TM	
86	TM	Benzyl Chloride	0.2406	0.2024	16	TM	
87	TM	1,3-DCB	0.6644	0.6756	1.7	TM	
88	TM	1,4-DCB	0.6767	0.6541	3.3	TM	
89	TML	n-Butylbenzene	0.5721	0.6278	9.7	TML	7.4
90	TM	1,2-DCB	0.6504	0.6356	2.3	TM	
91	TM	Hexachloroethane	0.1703	0.1719	0.98	TM	
92	TML	1,2-Dibromo-3-chloropropane	0.0437	0.0485	11	TML	13
93	TML	1,2,4-Trichlorobenzene	0.1936	0.2049	5.8	TML	17
94	TML	Hexachlorobutadiene	0.2401	0.2482	3.4	TML	9.7
95	TMQ	Naphthalene	0.4088	0.4281	4.7	TMQ	8.9
96	TML	1,2,3-Trichlorobenzene	0.2371	0.2821	19	TML	13
97							
98							
99							
100							
101							
102							
103							
104							
105							
106							
107							
108							
109							
110							
111							
112							
113							
114							
115							
116							
117							
118							
119							
120							
		Average			6.3		

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211015\1015M22.D Vial: 12
Acq On : 15 Oct 21 19:57 Operator: LP,DG,CH
Sample : (SS) 10ug/L VOC STD 10/15/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 28 13:29 2021 Quant Results File: M1015W.RES

Quant Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 14:01:48 2021
Response via : Initial Calibration
DataAcq Meth : M8260

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene (IS)	6.34	96	407759	25.000	ppb		0.00
65) Chlorobenzene-D5 (IS)	9.50	117	364241	25.000	ppb		0.00
80) 1,4-Dichlorobenzene-D (IS)	11.82	152	235667	25.000	ppb		0.00
System Monitoring Compounds							
41) Dibromofluoromethane(S)	5.56	111	123620	24.411	ppb		0.00
Spiked Amount 25.000			Recovery =	97.644%			
46) 1,2-DCA-D4(S)	5.95	65	86328	24.441	ppb		0.00
Spiked Amount 25.000			Recovery =	97.764%			
66) Toluene-D8(S)	8.05	98	412111	24.616	ppb		0.00
Spiked Amount 25.000			Recovery =	98.464%			
74) 4-Bromofluorobenzene(S)	10.68	95	166312	24.597	ppb		0.00
Spiked Amount 25.000			Recovery =	98.388%			
Target Compounds							Qvalue
3) Dichlorodifluoromethane	1.18	85	23248	9.522	ppb		98
4) Freon 114	1.29	85	16154	11.811	ppb		81
5) Chloromethane	1.33	50	13730	9.426	ppb		91
6) Vinyl chloride	1.42	62	16330	9.092	ppb		99
8) Bromomethane	1.68	94	13271	8.744	ppb		98
9) Chloroethane	1.77	64	10562	9.181	ppb		92
10) Dichlorofluoromethane	1.97	67	31774	8.064	ppb		97
11) Trichlorofluoromethane	2.00	101	44881	9.525	ppb		96
13) Acrolein	2.44	56	24941	109.402	ppb		90
14) Acetone	2.61	43	26025	48.952	ppb		99
15) Freon-113	2.52	151	18195	9.488	ppb		94
16) Acetonitrile	2.93	41	16970	134.318	ppb		90
18) 1,2-Dichlorotrifluoroethan	1.97	67	31774	8.063	ppb		100
19) 1,1-DCE	2.51	61	26210	9.179	ppb		99
20) t-Butanol	3.34	59	23571	144.721	ppb		93
21) Methyl Acetate	2.99	43	6766	7.566	ppb		95
22) Iodomethane	2.66	142	14370	7.579	ppb		95
23) Acrylonitrile	3.43	53	4893	9.724	ppb		91
25) Methylene chloride	3.08	84	17714	9.611	ppb		94
26) Carbon disulfide	2.71	76	20832	8.969	ppb	#	92
27) Methyl t-butyl ether (MtBE	3.47	73	56980	9.268	ppb		92
28) Trans-1,2-DCE	3.43	96	19186	9.638	ppb		92
29) 3-Methylpentane	3.46	57	9624	9.208	ppb	#	87
31) Diisopropyl Ether	4.24	45	35716	9.315	ppb		90
32) 1,1-DCA	4.06	63	30810	10.318	ppb		95
34) Ethyl tert Butyl Ether	4.77	59	45712	9.277	ppb		96
35) Methylcyclopentane	4.78	56	2359	11.283	ppb		100

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

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211015\1015M22.D Vial: 12
Acq On : 15 Oct 21 19:57 Operator: LP,DG,CH
Sample : (SS) 10ug/L VOC STD 10/15/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 28 13:29 2021 Quant Results File: M1015W.RES

Quant Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 14:01:48 2021
Response via : Initial Calibration
DataAcq Meth : M8260

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
36)	MEK (2-Butanone)	4.99	43	28077	50.512	ppb	#	93
37)	Cis-1,2-DCE	4.91	96	19914	9.031	ppb		92
38)	2,2-Dichloropropane	4.89	77	34376	8.973	ppb		97
39)	Chloroform	5.36	83	39302	10.138	ppb		97
40)	Bromochloromethane	5.22	130	15775	9.101	ppb		95
42)	1,1,1-TCA	5.54	97	45646	10.027	ppb		94
43)	Cyclohexane	5.59	41	11131	8.549	ppb		86
44)	1,1-Dichloropropene	5.75	75	24083	9.751	ppb		95
45)	2,2,4-Trimethylpentane	6.12	57	27765	8.669	ppb		86
47)	Carbon Tetrachloride	5.74	117	41049	9.587	ppb		95
48)	Tert Amyl Methyl Ether	6.18	73	45547	9.376	ppb		96
49)	1,2-DCA	6.04	62	37921	9.893	ppb		97
50)	Benzene	5.99	78	67483	9.438	ppb		96
51)	TCE	6.75	95	22638	9.889	ppb		91
52)	2-Pentanone	7.01	43	116600	125.496	ppb		100
53)	1,2-Dichloropropane	7.00	63	7545	9.489	ppb	#	91
54)	Bromodichloromethane	7.31	83	31868	9.928	ppb		97
55)	Methyl Cyclohexane	6.94	83	23967	9.739	ppb		90
56)	Dibromomethane	7.12	93	12407	8.884	ppb		93
57)	MIBK (methyl isobutyl ket	7.98	43	63733	53.637	ppb		95
58)	1-Bromo-2-chloroethane	7.62	144	4192	9.335	ppb		75
60)	Cis-1,3-Dichloropropene	7.79	75	29014	10.088	ppb		96
61)	Toluene	8.12	91	81096	9.807	ppb		99
62)	Trans-1,3-Dichloropropene	8.37	75	28562	10.015	ppb		97
63)	1,1,2-TCA	8.55	83	12396	9.671	ppb		88
64)	2-Hexanone	8.83	43	42858	53.332	ppb		97
67)	1,2-EDB	9.03	107	18534	9.644	ppb		93
68)	Tetrachloroethene	8.66	164	19760	10.454	ppb	#	76
69)	1-Chlorohexane	9.53	91	12619	8.728	ppb		96
70)	1,1,1,2-Tetrachloroethane	9.62	131	27467	10.136	ppb		93
71)	m&p-Xylene	9.77	106	81898	19.889	ppb		97
72)	o-Xylene	10.16	106	41097	9.517	ppb		90
73)	Styrene	10.18	104	67486	10.380	ppb	#	95
75)	1,3-Dichloropropane	8.71	76	26810	9.488	ppb		92
76)	Dibromochloromethane	8.93	129	28373	10.035	ppb		98
77)	Chlorobenzene	9.53	112	60543	9.588	ppb		98
78)	Ethylbenzene	9.65	91	96264	9.632	ppb		99
79)	Bromoform	10.35	173	22475	9.575	ppb		89
81)	Isopropylbenzene	10.53	105	106724	9.711	ppb		99
82)	1,1,2,2-Tetrachloroethane	10.84	83	17225	9.133	ppb	#	88
83)	1,2,3-Trichloropropane	10.87	110	9505	10.081	ppb		85
84)	t-1,4-Dichloro-2-Butene	10.90	53	4599	9.598	ppb		75

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

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211015\1015M22.D Vial: 12
Acq On : 15 Oct 21 19:57 Operator: LP,DG,CH
Sample : (SS) 10ug/L VOC STD 10/15/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 28 13:29 2021 Quant Results File: M1015W.RES

Quant Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 14:01:48 2021
Response via : Initial Calibration
DataAcq Meth : M8260

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
85)	Bromobenzene	10.81	156	34477	9.584	ppb		91
86)	n-Propylbenzene	10.94	91	107263	9.882	ppb		94
87)	4-Ethyltoluene	11.06	105	93970	9.376	ppb		94
88)	2-Chlorotoluene	11.01	91	82030	9.532	ppb		94
89)	1,3,5-Trimethylbenzene	11.12	105	94620	10.090	ppb		96
90)	4-Chlorotoluene	11.13	91	83509	9.769	ppb		98
91)	Tert-Butylbenzene	11.44	119	53776	10.387	ppb		96
92)	1,2,4-Trimethylbenzene	11.49	105	93466	10.520	ppb		98
93)	Sec-Butylbenzene	11.66	105	104477	10.546	ppb		99
94)	p-Isopropyltoluene	11.81	119	100883	10.534	ppb		97
95)	Benzyl Chloride	11.99	91	19077	8.413	ppb		97
96)	1,3-DCB	11.75	146	63689	10.169	ppb		94
97)	1,4-DCB	11.84	146	61660	9.666	ppb		97
98)	n-Butylbenzene	12.22	91	59181	9.258	ppb		96
99)	1,2-DCB	12.21	146	59914	9.772	ppb		96
100)	Hexachloroethane	12.46	117	16207	10.098	ppb		91
101)	1,2-Dibromo-3-chloropropan	12.99	75	4572	8.679	ppb	#	90
102)	1,2,4-Trichlorobenzene	13.81	180	19312	8.252	ppb		89
103)	Hexachlorobutadiene	13.99	225	23401	9.025	ppb		92
104)	Naphthalene	14.06	128	40355	9.106	ppb		99
105)	1,2,3-Trichlorobenzene	14.30	180	26595	8.694	ppb		90

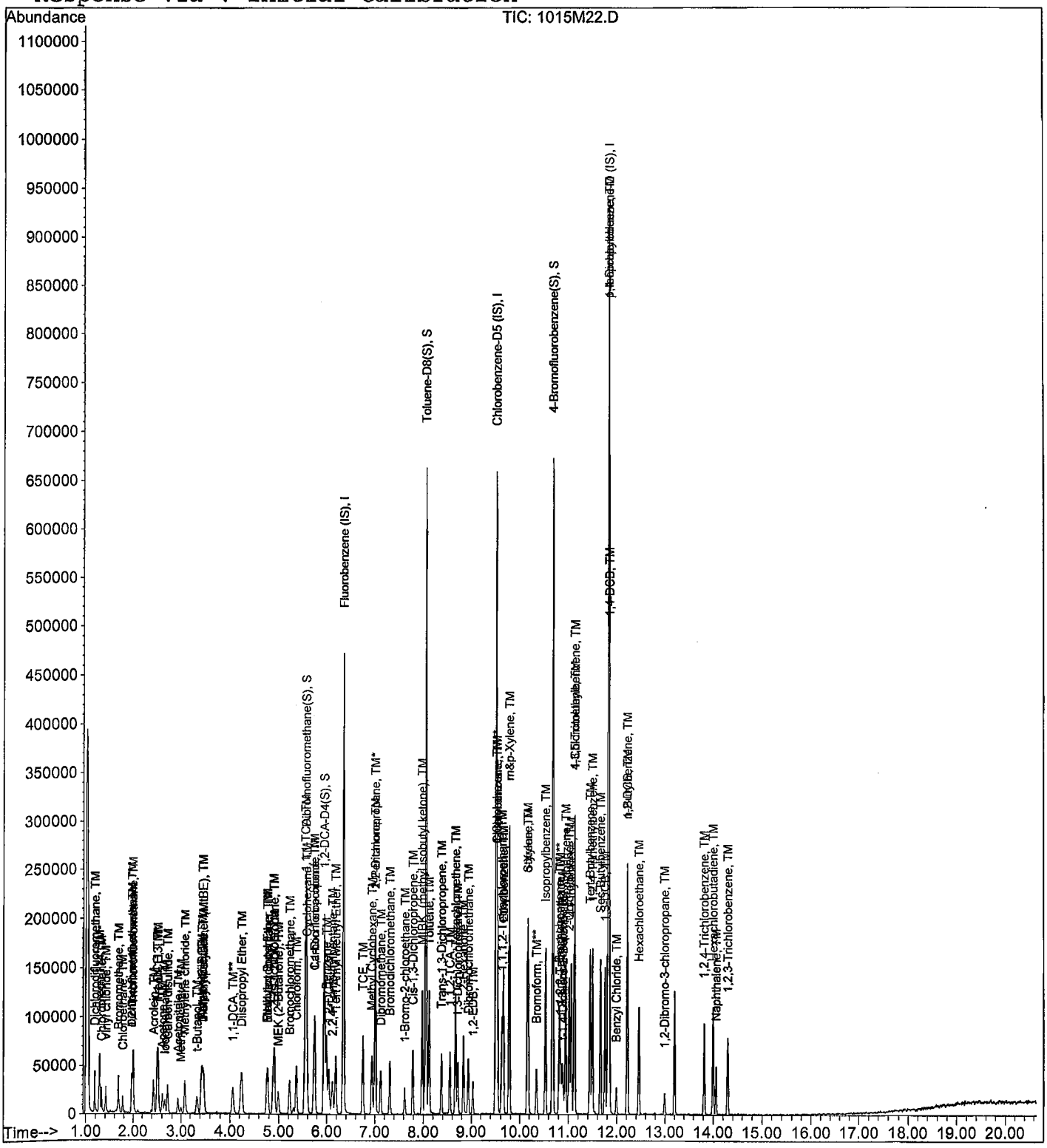
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\MAX\DATA\211015\1015M22.D Vial: 12
Acq On : 15 Oct 21 19:57 Operator: LP,DG,CH
Sample : (SS) 10ug/L VOC STD 10/15/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 28 13:29 2021 Quant Results File: M1015W.RES

Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 14:01:48 2021
Response via : Initial Calibration



VOLATILE ORGANIC ANALYSIS BY EPA METHOD 8260B

Form 7

Continuing Calibration

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

SDG No:
Date Analyzed: 10/18/2021
Instrument: Max
Initial Cal. Date: 10/15/2021
Data File: 1018M02.D

		Compound	MEAN	CCRF	%D		%Drift
1	I	Fluorobenzene (IS)	ISTD			I	
2	TM	Chlorotrifluoroethene	0.0000	0.0132	0.00	TM	
3	TM	Dichlorodifluoromethane	0.1497	0.1464	2.2	TM	
4	TM	Freon 114	0.0839	0.0861	2.6	TM	
5	TM**	Chloromethane	0.0893	0.0852	4.6	TM**	
6	TM*	Vinyl chloride	0.1101	0.1040	5.6	TM*	
7	TM	2-Chloro-1,1,1-trifluoroethane	0.0000	0.0026	0.00	TM	
8	TM	Bromomethane	0.0931	0.0863	7.3	TM	
9	TML	Chloroethane	0.0844	0.0655	22	TML	7.3
10	TM	Dichlorofluoromethane	0.2416	0.2115	12	TM	
11	TM	Trichlorofluoromethane	0.2889	0.2854	1.2	TM	
12	TM	2,2-Dichloro-1,1,1-trifluoroethane	0.0000	0.0002	0.00	TM	
13	TMQ	Acrolein	0.0145	0.0141	2.5	TMQ	0.42
14	TM	Acetone	0.0326	0.0331	1.4	TM	
15	TM	Freon-113	0.1176	0.1120	4.7	TM	
16	TM	Acetonitrile	0.0077	0.0088	14	TM	
17	TML	2-propanol	0.0000	0.0019	0.00	TML	
18	TM	1,2-Dichlorotrifluoroethane	0.2416	0.2115	12	TM	
19	TM*	1,1-DCE	0.1751	0.1665	4.9	TM*	
20	TMQ	t-Butanol	0.0101	0.0105	3.4	TMQ	3.7
21	TMQ	Methyl Acetate	0.0528	0.0588	11	TMQ	7.2
22	TML	Iodomethane	0.1096	0.1102	0.51	TML	8.3
23	TML	Acrylonitrile	0.0252	0.0310	23	TML	0.43
24	TM	Methylene chloride	0.1130	0.1138	0.69	TM	
25	TM	Carbon disulfide	0.1424	0.1332	6.5	TM	
26	TM	Methyl t-butyl ether (MtBE)	0.3769	0.3866	2.6	TM	
27	TM	Trans-1,2-DCE	0.1221	0.1105	9.5	TM	
28	TML	3-Methylpentane	0.0702	0.0641	8.7	TML	0.45
29	TM	Hexane	0.0000	0.0007	0.00	TM	
30	TM	Diisopropyl Ether	0.2351	0.2530	7.6	TM	
31	TM**	1,1-DCA	0.1831	0.1833	0.14	TM**	
32	TM	Ethyl tert Butyl Ether	0.3021	0.3218	6.5	TM	
33	TML	Methylcyclopentane	0.0160	0.0137	14	TML	6.4
34	TM	MEK (2-Butanone)	0.0341	0.0373	9.5	TM	
35	TM	Cis-1,2-DCE	0.1352	0.1340	0.90	TM	
36	TM	2,2-Dichloropropane	0.2349	0.2396	2.0	TM	
37	TM*	Chloroform	0.2377	0.2504	5.4	TM*	
38	TML	Bromochloromethane	0.1040	0.1055	1.5	TML	0.29
39	S	Dibromofluoromethane(S)	0.3105	0.3024	2.6	S	
40	TM	1,1,1-TCA	0.2791	0.2659	4.7	TM	
		Average			5.6		

VOLATILE ORGANIC ANALYSIS BY
EPA METHOD 8260B

Form 7

Continuing Calibration

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

SDG No:
Date Analyzed: 10/18/2021
Instrument: Max
Cal. Date: 10/15/2021
Data File: 1018M02.D

		Compound	MEAN	CCRF	%D		%Drift
41	TM	Cyclohexane	0.0798	0.0797	0.12	TM	
42	TM	1,1-Dichloropropene	0.1514	0.1498	1.1	TM	
43	TM	2,2,4-Trimethylpentane	0.1964	0.2097	6.8	TM	
44	S	1,2-DCA-D4(S)	0.2166	0.2157	0.41	S	
45	TM	Carbon Tetrachloride	0.2625	0.2404	8.4	TM	
46	TM	Tert Amyl Methyl Ether	0.2978	0.3168	6.4	TM	
47	TM	1,2-DCA	0.2350	0.2379	1.2	TM	
48	TM	Benzene	0.4384	0.4067	7.2	TM	
49	TM	TCE	0.1404	0.1239	12	TM	
50	TM	2-Pentanone	0.0570	0.0614	7.7	TM	
51	TM*L	1,2-Dichloropropane	0.0476	0.0469	1.6	TM*L	3.8
52	TM	Bromodichloromethane	0.1968	0.2022	2.7	TM	
53	TML	Methyl Cyclohexane	0.1542	0.1482	3.9	TML	1.8
54	TM	Dibromomethane	0.0856	0.0786	8.2	TM	
55	TM	MIBK (methyl isobutyl ketone)	0.0729	0.0772	6.0	TM	
56	TML	1-Bromo-2-chloroethane	0.0245	0.0284	16	TML	3.2
57	TM	2-Chloroethyl vinyl ether	0.0000	0.0002	0.00	TM	
58	TM	Cis-1,3-Dichloropropene	0.1763	0.1843	4.5	TM	
59	TM*	Toluene	0.5070	0.5050	0.40	TM*	
60	TM	Trans-1,3-Dichloropropene	0.1749	0.1918	9.7	TM	
61	TM	1,1,2-TCA	0.0786	0.0783	0.39	TM	
62	TM	2-Hexanone	0.0493	0.0559	13	TM	
63	I	Chlorobenzene-D5 (IS)	ISTD			I	
64	S	Toluene-D8(S)	1.149	1.130	1.6	S	
65	TM	1,2-EDB	0.1319	0.1295	1.8	TM	
66	TML	Tetrachloroethene	0.2207	0.1168	47	TML	12
67	TM	1-Chlorohexane	0.0992	0.0928	6.5	TM	
68	TM	1,1,1,2-Tetrachloroethane	0.1860	0.1955	5.1	TM	
69	TM	m&p-Xylene	0.2826	0.2769	2.0	TM	
70	TM	o-Xylene	0.2964	0.2793	5.8	TM	
71	TM	Styrene	0.4463	0.4560	2.2	TM	
72	S	4-Bromofluorobenzene(S)	0.4641	0.4789	3.2	S	
73	TM	1,3-Dichloropropane	0.1940	0.1900	2.0	TM	
74	TM	Dibromochloromethane	0.1941	0.1960	1.0	TM	
75	TM**	Chlorobenzene	0.4334	0.4360	0.61	TM**	
76	TM*	Ethylbenzene	0.6860	0.6897	0.55	TM*	
77	TM**	Bromoform	0.1611	0.1581	1.9	TM**	
78	I	1,4-Dichlorobenzene-D (IS)	ISTD			I	
79	TM	Isopropylbenzene	1.166	1.132	2.9	TM	
80	TM**	1,1,2,2-Tetrachloroethane	0.2001	0.1866	6.8	TM**	
		Average			5.5		

VOLATILE ORGANIC ANALYSIS BY EPA METHOD 8260B

Form 7

Continuing Calibration

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

SDG No:
Date Analyzed: 10/18/2021
Instrument: Max
Cal. Date: 10/15/2021
Data File: 1018M02.D

		Compound	MEAN	CCRF	%D		%Drift
81	TM	1,2,3-Trichloropropane	0.1000	0.1078	7.8	TM	
82	TML	t-1,4-Dichloro-2-Butene	0.0601	0.0497	17	TML	2.2
83	TM	Bromobenzene	0.3816	0.3694	3.2	TM	
84	TM	n-Propylbenzene	1.151	1.148	0.33	TM	
85	TM	4-Ethyltoluene	1.063	1.055	0.82	TM	
86	TM	2-Chlorotoluene	0.9129	0.8859	3.0	TM	
87	TM	1,3,5-Trimethylbenzene	0.9948	0.9841	1.1	TM	
88	TM	4-Chlorotoluene	0.9068	0.8920	1.6	TM	
89	TM	Tert-Butylbenzene	0.5492	0.5898	7.4	TM	
90	TM	1,2,4-Trimethylbenzene	0.9425	1.004	6.5	TM	
91	TM	Sec-Butylbenzene	1.051	1.119	6.5	TM	
92	TM	p-Isopropyltoluene	1.016	1.049	3.3	TM	
93	TM	Benzyl Chloride	0.2406	0.2663	11	TM	
94	TM	1,3-DCB	0.6644	0.6679	0.52	TM	
95	TM	1,4-DCB	0.6767	0.6445	4.8	TM	
96	TML	n-Butylbenzene	0.5721	0.6556	15	TML	3.9
97	TM	1,2-DCB	0.6504	0.6511	0.10	TM	
98	TM	Hexachloroethane	0.1703	0.1774	4.2	TM	
99	TML	1,2-Dibromo-3-chloropropane	0.0437	0.0594	36	TML	3.9
100	TML	1,2,4-Trichlorobenzene	0.1936	0.2146	11	TML	15
101	TML	Hexachlorobutadiene	0.2401	0.2473	3.0	TML	10
102	TMQ	Naphthalene	0.4088	0.4708	15	TMQ	1.2
103	TML	1,2,3-Trichlorobenzene	0.2371	0.3029	28	TML	8.6
104							
105							
106							
107							
108							
109							
110							
111							
112							
113							
114							
115							
116							
117							
118							
119							
120							
		Average			8.1		

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211015\1018M02.D Vial: 2
Acq On : 18 Oct 21 14:46 Operator: LP,DG,CH
Sample : 211018A CCV 10ug/L Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 28 13:51 2021 Quant Results File: M1015W.RES

Quant Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 14:01:48 2021
Response via : Initial Calibration
DataAcq Meth : M8260

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene (IS)	6.36	96	378168	25.000	ppb		0.02
65) Chlorobenzene-D5 (IS)	9.51	117	339257	25.000	ppb		0.02
80) 1,4-Dichlorobenzene-D (IS)	11.83	152	227417	25.000	ppb		0.01
System Monitoring Compounds							
41) Dibromofluoromethane(S)	5.58	111	114367	24.350	ppb		0.02
Spiked Amount 25.000			Recovery =	97.400%			
46) 1,2-DCA-D4(S)	5.97	65	81560	24.898	ppb		0.02
Spiked Amount 25.000			Recovery =	99.592%			
66) Toluene-D8(S)	8.07	98	383432	24.590	ppb		0.02
Spiked Amount 25.000			Recovery =	98.360%			
74) 4-Bromofluorobenzene(S)	10.69	95	162458	25.796	ppb		0.02
Spiked Amount 25.000			Recovery =	103.184%			
Target Compounds							Qvalue
3) Dichlorodifluoromethane	1.19	85	22144	9.780	ppb		99
4) Freon 114	1.29	85	13018	10.263	ppb		73
5) Chloromethane	1.34	50	12882	9.535	ppb		98
6) Vinyl chloride	1.42	62	15728	9.442	ppb		90
8) Bromomethane	1.69	94	13049	9.270	ppb		97
9) Chloroethane	1.78	64	9904	9.270	ppb		96
10) Dichlorofluoromethane	1.98	67	31989	8.754	ppb		93
11) Trichlorofluoromethane	2.01	101	43169	9.878	ppb		96
13) Acrolein	2.45	56	26632	125.525	ppb		90
14) Acetone	2.63	43	25004	50.711	ppb		92
15) Freon-113	2.54	151	16945	9.528	ppb		96
16) Acetonitrile	2.94	41	16693	142.464	ppb		92
18) 1,2-Dichlorotrifluoroethan	1.98	67	31989	8.753	ppb		100
19) 1,1-DCE	2.52	61	25179	9.508	ppb		97
20) t-Butanol	3.36	59	19813	129.568	ppb		99
21) Methyl Acetate	3.01	43	8887	10.717	ppb		92
22) Iodomethane	2.67	142	16665	9.167	ppb		92
23) Acrylonitrile	3.45	53	4685	10.043	ppb	#	85
25) Methylene chloride	3.10	84	17212	10.069	ppb		97
26) Carbon disulfide	2.73	76	20144	9.352	ppb		97
27) Methyl t-butyl ether (MtBE	3.49	73	58476	10.255	ppb		92
28) Trans-1,2-DCE	3.45	96	16717	9.054	ppb		94
29) 3-Methylpentane	3.49	57	9689	10.045	ppb	#	77
31) Diisopropyl Ether	4.27	45	38270	10.762	ppb		90
32) 1,1-DCA	4.08	63	27733	10.014	ppb		96
34) Ethyl tert Butyl Ether	4.79	59	48676	10.652	ppb		98
35) Methylcyclopentane	4.78	56	2077	10.640	ppb		100

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

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211015\1018M02.D Vial: 2
Acq On : 18 Oct 21 14:46 Operator: LP,DG,CH
Sample : 211018A CCV 10ug/L Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 28 13:51 2021 Quant Results File: M1015W.RES

Quant Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 14:01:48 2021
Response via : Initial Calibration
DataAcq Meth : M8260

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
36)	MEK (2-Butanone)	5.01	43	28222	54.746	ppb		91
37)	Cis-1,2-DCE	4.94	96	20267	9.910	ppb		86
38)	2,2-Dichloropropane	4.91	77	36251	10.203	ppb		95
39)	Chloroform	5.38	83	37883	10.536	ppb		96
40)	Bromochloromethane	5.24	130	15965	9.971	ppb	#	85
42)	1,1,1-TCA	5.56	97	40220	9.526	ppb		96
43)	Cyclohexane	5.61	41	12061	9.988	ppb		85
44)	1,1-Dichloropropene	5.77	75	22664	9.894	ppb		91
45)	2,2,4-Trimethylpentane	6.14	57	31726	10.680	ppb		96
47)	Carbon Tetrachloride	5.76	117	36369	9.159	ppb		94
48)	Tert Amyl Methyl Ether	6.20	73	47919	10.636	ppb		95
49)	1,2-DCA	6.06	62	35982	10.121	ppb		96
50)	Benzene	6.02	78	61525	9.278	ppb		95
51)	TCE	6.77	95	18739	8.826	ppb		90
52)	2-Pentanone	7.02	43	116033	134.658	ppb		97
53)	1,2-Dichloropropane	7.01	63	7092	9.622	ppb	#	88
54)	Bromodichloromethane	7.33	83	30579	10.272	ppb		94
55)	Methyl Cyclohexane	6.96	83	22414	9.819	ppb		88
56)	Dibromomethane	7.13	93	11885	9.176	ppb		86
57)	MIBK (methyl isobutyl ket	7.99	43	58418	53.011	ppb		97
58)	1-Bromo-2-chloroethane	7.64	144	4299	10.319	ppb		97
60)	Cis-1,3-Dichloropropene	7.81	75	27879	10.452	ppb	#	86
61)	Toluene	8.13	91	76385	9.960	ppb		98
62)	Trans-1,3-Dichloropropene	8.39	75	29015	10.970	ppb		89
63)	1,1,2-TCA	8.57	83	11842	9.961	ppb		99
64)	2-Hexanone	8.84	43	42249	56.688	ppb		97
67)	1,2-EDB	9.05	107	17577	9.819	ppb		96
68)	Tetrachloroethene	8.68	164	15845	8.797	ppb	#	83
69)	1-Chlorohexane	9.54	91	12589	9.349	ppb		95
70)	1,1,1,2-Tetrachloroethane	9.63	131	26530	10.512	ppb		97
71)	m&p-Xylene	9.78	106	75146	19.594	ppb		93
72)	o-Xylene	10.17	106	37907	9.425	ppb		90
73)	Styrene	10.19	104	61882	10.219	ppb		96
75)	1,3-Dichloropropane	8.73	76	25788	9.798	ppb	#	84
76)	Dibromochloromethane	8.95	129	26604	10.102	ppb		99
77)	Chlorobenzene	9.54	112	59169	10.061	ppb		96
78)	Ethylbenzene	9.66	91	93595	10.055	ppb		99
79)	Bromoform	10.37	173	21448	9.811	ppb		85
81)	Isopropylbenzene	10.55	105	102949	9.707	ppb		96
82)	1,1,2,2-Tetrachloroethane	10.86	83	16970	9.324	ppb		88
83)	1,2,3-Trichloropropane	10.89	110	9804	10.775	ppb		88
84)	t-1,4-Dichloro-2-Butene	10.92	53	4525	9.781	ppb		99

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

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211015\1018M02.D Vial: 2
Acq On : 18 Oct 21 14:46 Operator: LP,DG,CH
Sample : 211018A CCV 10ug/L Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 28 13:51 2021 Quant Results File: M1015W.RES

Quant Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 14:01:48 2021
Response via : Initial Calibration
DataAcq Meth : M8260

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
85)	Bromobenzene	10.83	156	33602	9.679	ppb		91
86)	n-Propylbenzene	10.96	91	104390	9.967	ppb		100
87)	4-Ethyltoluene	11.07	105	95930	9.918	ppb		96
88)	2-Chlorotoluene	11.03	91	80584	9.703	ppb		94
89)	1,3,5-Trimethylbenzene	11.14	105	89522	9.893	ppb		98
90)	4-Chlorotoluene	11.14	91	81140	9.836	ppb		98
91)	Tert-Butylbenzene	11.45	119	53656	10.740	ppb		96
92)	1,2,4-Trimethylbenzene	11.50	105	91322	10.652	ppb		95
93)	Sec-Butylbenzene	11.67	105	101806	10.649	ppb		97
94)	p-Isopropyltoluene	11.83	119	95423	10.325	ppb		98
95)	Benzyl Chloride	12.00	91	24223	11.070	ppb		98
96)	1,3-DCB	11.77	146	60753	10.052	ppb		97
97)	1,4-DCB	11.86	146	58631	9.524	ppb		95
98)	n-Butylbenzene	12.23	91	59634	9.610	ppb		97
99)	1,2-DCB	12.23	146	59226	10.010	ppb		94
100)	Hexachloroethane	12.47	117	16140	10.421	ppb		93
101)	1,2-Dibromo-3-chloropropan	13.00	75	5400	10.394	ppb	#	82
102)	1,2,4-Trichlorobenzene	13.82	180	19520	8.538	ppb		91
103)	Hexachlorobutadiene	14.00	225	22493	8.994	ppb		99
104)	Naphthalene	14.07	128	42823	9.882	ppb		97
105)	1,2,3-Trichlorobenzene	14.31	180	27555	9.143	ppb		92

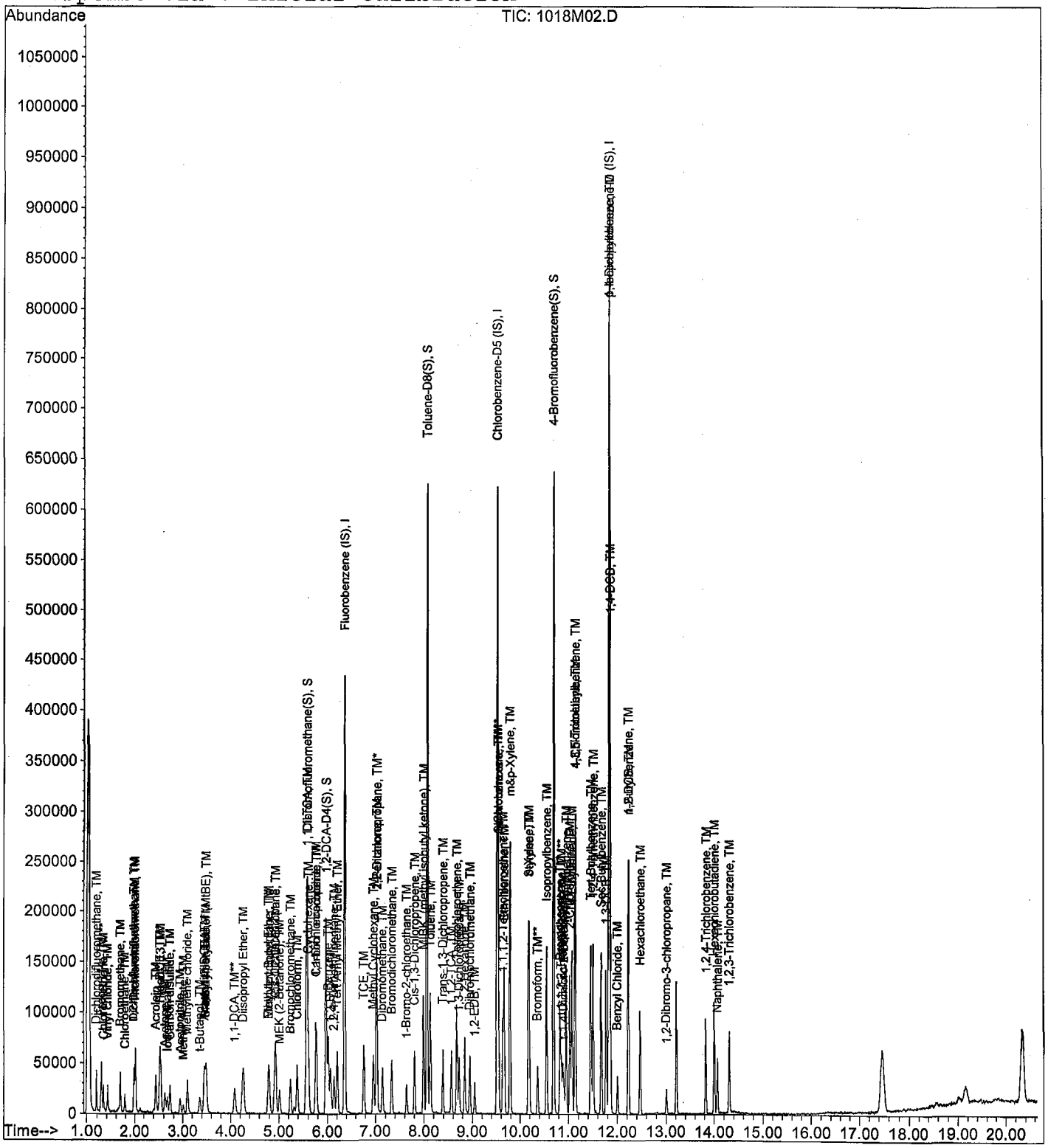
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\MAX\DATA\211015\1018M02.D Vial: 2
Acq On : 18 Oct 21 14:46 Operator: LP,DG,CH
Sample : 211018A CCV 10ug/L Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 28 13:51 2021 Quant Results File: M1015W.RES

Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 14:01:48 2021
Response via : Initial Calibration



VOLATILE ORGANIC ANALYSIS BY
EPA METHOD 8260B

Form 7

Ending Continuing Calibration

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

SDG No:
Date Analyzed: 10/19/2021
Instrument: Max
Initial Cal. Date: 10/15/2021
Data File: 1018M27.D

		Compound	MEAN	CCRF	%D	%Drift	
1	I	Fluorobenzene (IS)	ISTD			I	
2	TM	Chlorotrifluoroethene	0.0000	0.0122	0.00	TM	
3	TM	Dichlorodifluoromethane	0.1497	0.1492	0.34	TM	
4	TM	Freon 114	0.0839	0.0875	4.4	TM	
5	TM**	Chloromethane	0.0893	0.0893	0.04	TM**	
6	TM*	Vinyl chloride	0.1101	0.1131	2.7	TM*	
7	TM	2-Chloro-1,1,1-trifluoroethane	0.0000	0.0030	0.00	TM	
8	TM	Bromomethane	0.0931	0.0829	11	TM	
9	TML	Chloroethane	0.0844	0.0805	4.6	TML	11
10	TM	Dichlorofluoromethane	0.2416	0.2314	4.2	TM	
11	TM	Trichlorofluoromethane	0.2889	0.3254	13	TM	
12	TM	2,2-Dichloro-1,1,1-trifluoroethane	0.0000	0.0001	0.00	TM	
13	TMQ	Acrolein	0.0145	0.0110	24	TMQ	21
14	TM	Acetone	0.0326	0.0286	12	TM	
15	TM	Freon-113	0.1176	0.1192	1.4	TM	
16	TM	Acetonitrile	0.0077	0.0069	11	TM	
17	TML	2-propanol	0.0000	0.0012	0.00	TML	
18	TM	1,2-Dichlorotrifluoroethane	0.2416	0.2314	4.2	TM	
19	TM*	1,1-DCE	0.1751	0.1808	3.3	TM*	
20	TMQ	t-Butanol	0.0101	0.0092	9.0	TMQ	9.9
21	TMQ	Methyl Acetate	0.0528	0.0507	4.0	TMQ	7.6
22	TML	Iodomethane	0.1096	0.0959	13	TML	19
23	TML	Acrylonitrile	0.0252	0.0306	21	TML	0.85
24	TM	2-Methylpentane	0.0000	0.0003	0.00	TM	
25	TM	Methylene chloride	0.1130	0.1071	5.3	TM	
26	TM	Carbon disulfide	0.1424	0.1338	6.1	TM	
27	TM	Methyl t-butyl ether (MtBE)	0.3769	0.3799	0.79	TM	
28	TM	Trans-1,2-DCE	0.1221	0.1221	0.06	TM	
29	TML	3-Methylpentane	0.0702	0.0616	12	TML	3.7
30	TM	Hexane	0.0000	0.0003	0.00	TM	
31	TM	Diisopropyl Ether	0.2351	0.2510	6.8	TM	
32	TM**	1,1-DCA	0.1831	0.2012	9.9	TM**	
33	TM	Ethyl tert Butyl Ether	0.3021	0.3165	4.8	TM	
34	TML	Methylcyclopentane	0.0160	0.0116	28	TML	13
35	TM	MEK (2-Butanone)	0.0341	0.0307	9.8	TM	
36	TM	Cis-1,2-DCE	0.1352	0.1481	9.5	TM	
37	TM	2,2-Dichloropropane	0.2349	0.2231	5.0	TM	
38	TM*	Chloroform	0.2377	0.2722	15	TM*	
39	TML	Bromochloromethane	0.1040	0.1059	1.8	TML	0.07
40	S	Dibromofluoromethane(S)	0.3105	0.3119	0.46	S	
		Average			6.6		

VOLATILE ORGANIC ANALYSIS BY
EPA METHOD 8260B

Form 7

Ending Continuing Calibration

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

SDG No:
Date Analyzed: 10/19/2021
Instrument: Max
Cal. Date: 10/15/2021
Data File: 1018M27.D

		Compound	MEAN	CCRF	%D		%Drift
41	TM	1,1,1-TCA	0.2791	0.3123	12	TM	
42	TM	Cyclohexane	0.0798	0.0813	1.9	TM	
43	TM	1,1-Dichloropropene	0.1514	0.1658	9.5	TM	
44	TM	2,2,4-Trimethylpentane	0.1964	0.1877	4.4	TM	
45	S	1,2-DCA-D4(S)	0.2166	0.2104	2.8	S	
46	TM	Carbon Tetrachloride	0.2625	0.2601	0.91	TM	
47	TM	Tert Amyl Methyl Ether	0.2978	0.3074	3.2	TM	
48	TM	1,2-DCA	0.2350	0.2436	3.7	TM	
49	TM	Benzene	0.4384	0.4461	1.7	TM	
50	TM	TCE	0.1404	0.1536	9.4	TM	
51	TM	2-Pentanone	0.0570	0.0537	5.8	TM	
52	TM*L	1,2-Dichloropropane	0.0476	0.0518	8.8	TM*L	6.7
53	TM	Bromodichloromethane	0.1968	0.2126	8.1	TM	
54	TML	Methyl Cyclohexane	0.1542	0.1545	0.18	TML	2.3
55	TM	Dibromomethane	0.0856	0.0759	11	TM	
56	TM	MIBK (methyl isobutyl ketone)	0.0729	0.0710	2.5	TM	
57	TML	1-Bromo-2-chloroethane	0.0245	0.0313	28	TML	14
58	TM	2-Chloroethyl vinyl ether	0.0000	0.0001	0.00	TM	
59	TM	Cis-1,3-Dichloropropene	0.1763	0.1897	7.6	TM	
60	TM*	Toluene	0.5070	0.5429	7.1	TM*	
61	TM	Trans-1,3-Dichloropropene	0.1749	0.1761	0.69	TM	
62	TM	1,1,2-TCA	0.0786	0.0753	4.1	TM	
63	TM	2-Hexanone	0.0493	0.0463	6.0	TM	
64	I	Chlorobenzene-D5 (IS)	ISTD			I	
65	S	Toluene-D8(S)	1.149	1.148	0.13	S	
66	TM	1,2-EDB	0.1319	0.1362	3.3	TM	
67	TML	Tetrachloroethene	0.2207	0.1155	48	TML	13
68	TM	1-Chlorohexane	0.0992	0.0968	2.4	TM	
69	TM	1,1,1,2-Tetrachloroethane	0.1860	0.2044	9.9	TM	
70	TM	m&p-Xylene	0.2826	0.3059	8.3	TM	
71	TM	o-Xylene	0.2964	0.3140	5.9	TM	
72	TM	Styrene	0.4463	0.4666	4.6	TM	
73	S	4-Bromofluorobenzene(S)	0.4641	0.4560	1.7	S	
74	TM	1,3-Dichloropropane	0.1940	0.1959	1.00	TM	
75	TM	Dibromochloromethane	0.1941	0.1995	2.8	TM	
76	TM**	Chlorobenzene	0.4334	0.4466	3.1	TM**	
77	TM*	Ethylbenzene	0.6860	0.7087	3.3	TM*	
78	TM**	Bromoform	0.1611	0.1553	3.6	TM**	
79	I	1,4-Dichlorobenzene-D (IS)	ISTD			I	
80	TM	Isopropylbenzene	1.166	1.215	4.2	TM	
		Average			6.4		

VOLATILE ORGANIC ANALYSIS BY
EPA METHOD 8260B

Form 7

Ending Continuing Calibration

Lab Name: APPL, Inc. SDG No:
Case No: Date Analyzed: 10/19/2021
Matrix: WATER Instrument: Max
Cal. Date: 10/15/2021
Data File: 1018M27.D

		Compound	MEAN	CCRF	%D		%Drift
81	TM**	1,1,2,2-Tetrachloroethane	0.2001	0.1652	17	TM**	
82	TM	1,2,3-Trichloropropane	0.1000	0.0977	2.3	TM	
83	TML	t-1,4-Dichloro-2-Butene	0.0601	0.0476	21	TML	6.4
84	TM	Bromobenzene	0.3816	0.3994	4.7	TM	
85	TM	n-Propylbenzene	1.151	1.172	1.7	TM	
86	TM	4-Ethyltoluene	1.063	1.112	4.6	TM	
87	TM	2-Chlorotoluene	0.9129	0.9441	3.4	TM	
88	TM	1,3,5-Trimethylbenzene	0.9948	1.085	9.0	TM	
89	TM	4-Chlorotoluene	0.9068	0.9393	3.6	TM	
90	TM	Tert-Butylbenzene	0.5492	0.6281	14	TM	
91	TM	1,2,4-Trimethylbenzene	0.9425	1.076	14	TM	
92	TM	Sec-Butylbenzene	1.051	1.138	8.3	TM	
93	TM	p-Isopropyltoluene	1.016	1.099	8.2	TM	
94	TM	Benzyl Chloride	0.2406	0.1829	24	TM	
95	TM	1,3-DCB	0.6644	0.6788	2.2	TM	
96	TM	1,4-DCB	0.6767	0.6691	1.1	TM	
97	TML	n-Butylbenzene	0.5721	0.6166	7.8	TML	8.8
98	TM	1,2-DCB	0.6504	0.6973	7.2	TM	
99	TM	Hexachloroethane	0.1703	0.1785	4.8	TM	
100	TML	1,2-Dibromo-3-chloropropane	0.0437	0.0486	11	TML	13
101	TML	1,2,4-Trichlorobenzene	0.1936	0.2135	10	TML	15
102	TML	Hexachlorobutadiene	0.2401	0.2450	2.0	TML	11
103	TMQ	Naphthalene	0.4088	0.4076	0.29	TMQ	13
104	TML	1,2,3-Trichlorobenzene	0.2371	0.2617	10	TML	17
105							
106							
107							
108							
109							
110							
111							
112							
113							
114							
115							
116							
117							
118							
119							
120							
		Average			8.0		

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211015\1018M27.D Vial: 27
Acq On : 19 Oct 21 2:35 Operator: LP,DG,CH
Sample : Ending CCV 10ug/L 10/18/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 28 13:51 2021 Quant Results File: M1015W.RES

Quant Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 14:01:48 2021
Response via : Initial Calibration
DataAcq Meth : M8260

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene (IS)	6.36	96	375402	25.000	ppb		0.02
65) Chlorobenzene-D5 (IS)	9.51	117	337597	25.000	ppb		0.02
80) 1,4-Dichlorobenzene-D (IS)	11.83	152	222240	25.000	ppb		0.01
System Monitoring Compounds							
41) Dibromofluoromethane(S)	5.57	111	117095	25.115	ppb		0.01
Spiked Amount 25.000			Recovery = 100.460%				
46) 1,2-DCA-D4(S)	5.97	65	78984	24.289	ppb		0.02
Spiked Amount 25.000			Recovery = 97.156%				
66) Toluene-D8(S)	8.06	98	387406	24.967	ppb		0.01
Spiked Amount 25.000			Recovery = 99.868%				
74) 4-Bromofluorobenzene(S)	10.69	95	153960	24.567	ppb		0.01
Spiked Amount 25.000			Recovery = 98.268%				
Target Compounds							Qvalue
3) Dichlorodifluoromethane	1.19	85	22400	9.966	ppb		92
4) Freon 114	1.29	85	13143	10.438	ppb		84
5) Chloromethane	1.34	50	13416	10.004	ppb		88
6) Vinyl chloride	1.42	62	16982	10.270	ppb		92
8) Bromomethane	1.69	94	12451	8.911	ppb	#	74
9) Chloroethane	1.79	64	12094	11.148	ppb		94
10) Dichlorofluoromethane	1.98	67	34741	9.577	ppb		96
11) Trichlorofluoromethane	2.01	101	48859	11.263	ppb		99
13) Acrolein	2.44	56	20670	98.645	ppb		97
14) Acetone	2.62	43	21450	43.824	ppb		94
15) Freon-113	2.54	151	17905	10.142	ppb		94
16) Acetonitrile	2.94	41	12922	111.094	ppb	#	92
18) 1,2-Dichlorotrifluoroethan	1.98	67	34741	9.576	ppb		100
19) 1,1-DCE	2.52	61	27152	10.329	ppb		98
20) t-Butanol	3.35	59	17309	112.611	ppb		92
21) Methyl Acetate	3.01	43	7608	9.242	ppb		99
22) Iodomethane	2.67	142	14393	8.137	ppb		99
23) Acrylonitrile	3.46	53	4592	9.915	ppb	#	88
25) Methylene chloride	3.10	84	16075	9.473	ppb	#	79
26) Carbon disulfide	2.73	76	20088	9.395	ppb	#	90
27) Methyl t-butyl ether (MtBE	3.49	73	57051	10.079	ppb		94
28) Trans-1,2-DCE	3.45	96	18339	10.006	ppb		93
29) 3-Methylpentane	3.48	57	9245	9.633	ppb		93
31) Diisopropyl Ether	4.26	45	37694	10.678	ppb		91
32) 1,1-DCA	4.08	63	30214	10.990	ppb		98
34) Ethyl tert Butyl Ether	4.79	59	47521	10.476	ppb		90
35) Methylcyclopentane	4.79	56	1735	8.730	ppb		100

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

Data File : M:\MAX\DATA\211015\1018M27.D Vial: 27
Acq On : 19 Oct 21 2:35 Operator: LP,DG,CH
Sample : Ending CCV 10ug/L 10/18/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 28 13:51 2021 Quant Results File: M1015W.RES

Quant Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 14:01:48 2021
Response via : Initial Calibration
DataAcq Meth : M8260

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
36)	MEK (2-Butanone)	5.01	43	23073	45.087	ppb		98
37)	Cis-1,2-DCE	4.93	96	22239	10.954	ppb		95
38)	2,2-Dichloropropane	4.91	77	33496	9.497	ppb		99
39)	Chloroform	5.38	83	40878	11.453	ppb		88
40)	Bromochloromethane	5.24	130	15902	10.007	ppb		93
42)	1,1,1-TCA	5.56	97	46889	11.188	ppb		98
43)	Cyclohexane	5.60	41	12210	10.186	ppb		85
44)	1,1-Dichloropropene	5.77	75	24890	10.946	ppb		93
45)	2,2,4-Trimethylpentane	6.14	57	28183	9.558	ppb		89
47)	Carbon Tetrachloride	5.75	117	39059	9.909	ppb		90
48)	Tert Amyl Methyl Ether	6.20	73	46153	10.320	ppb		94
49)	1,2-DCA	6.06	62	36585	10.367	ppb		99
50)	Benzene	6.01	78	66982	10.175	ppb		96
51)	TCE	6.77	95	23063	10.943	ppb		85
52)	2-Pentanone	7.02	43	100764	117.800	ppb		96
53)	1,2-Dichloropropane	7.01	63	7781	10.667	ppb		98
54)	Bromodichloromethane	7.33	83	31931	10.805	ppb		93
55)	Methyl Cyclohexane	6.95	83	23194	10.229	ppb		98
56)	Dibromomethane	7.14	93	11398	8.865	ppb		83
57)	MIBK (methyl isobutyl ket	7.99	43	53311	48.733	ppb	#	93
58)	1-Bromo-2-chloroethane	7.64	144	4698	11.356	ppb		87
60)	Cis-1,3-Dichloropropene	7.80	75	28483	10.757	ppb		97
61)	Toluene	8.13	91	81527	10.709	ppb		98
62)	Trans-1,3-Dichloropropene	8.39	75	26437	10.069	ppb		100
63)	1,1,2-TCA	8.56	83	11313	9.586	ppb		95
64)	2-Hexanone	8.84	43	34785	47.017	ppb	#	91
67)	1,2-EDB	9.04	107	18398	10.328	ppb		98
68)	Tetrachloroethene	8.68	164	15592	8.682	ppb		91
69)	1-Chlorohexane	9.54	91	13073	9.756	ppb		94
70)	1,1,1,2-Tetrachloroethane	9.64	131	27605	10.991	ppb		98
71)	m&p-Xylene	9.78	106	82628	21.650	ppb		95
72)	o-Xylene	10.18	106	42401	10.594	ppb		91
73)	Styrene	10.19	104	63004	10.455	ppb		98
75)	1,3-Dichloropropane	8.73	76	26452	10.100	ppb		87
76)	Dibromochloromethane	8.95	129	26945	10.282	ppb		98
77)	Chlorobenzene	9.54	112	60315	10.306	ppb		93
78)	Ethylbenzene	9.66	91	95704	10.332	ppb		95
79)	Bromoform	10.36	173	20978	9.643	ppb		98
81)	Isopropylbenzene	10.54	105	107994	10.420	ppb		97
82)	1,1,2,2-Tetrachloroethane	10.86	83	14686	8.257	ppb	#	91
83)	1,2,3-Trichloropropane	10.89	110	8683	9.765	ppb	#	77
84)	t-1,4-Dichloro-2-Butene	10.91	53	4228	9.363	ppb		84

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

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211015\1018M27.D Vial: 27
Acq On : 19 Oct 21 2:35 Operator: LP,DG,CH
Sample : Ending CCV 10ug/L 10/18/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 28 13:51 2021 Quant Results File: M1015W.RES

Quant Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 14:01:48 2021
Response via : Initial Calibration
DataAcq Meth : M8260

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
85)	Bromobenzene	10.83	156	35509	10.467	ppb	85
86)	n-Propylbenzene	10.96	91	104145	10.175	ppb	100
87)	4-Ethyltoluene	11.07	105	98871	10.461	ppb	95
88)	2-Chlorotoluene	11.03	91	83925	10.341	ppb	86
89)	1,3,5-Trimethylbenzene	11.14	105	96423	10.904	ppb	99
90)	4-Chlorotoluene	11.14	91	83499	10.358	ppb	98
91)	Tert-Butylbenzene	11.46	119	55840	11.437	ppb	97
92)	1,2,4-Trimethylbenzene	11.50	105	95650	11.417	ppb	97
93)	Sec-Butylbenzene	11.67	105	101138	10.825	ppb	99
94)	p-Isopropyltoluene	11.83	119	97700	10.818	ppb	99
95)	Benzyl Chloride	12.00	91	16261	7.604	ppb	97
96)	1,3-DCB	11.77	146	60342	10.216	ppb	98
97)	1,4-DCB	11.86	146	59480	9.887	ppb	94
98)	n-Butylbenzene	12.23	91	54811	9.116	ppb	97
99)	1,2-DCB	12.23	146	61987	10.721	ppb	95
100)	Hexachloroethane	12.47	117	15866	10.483	ppb	98
101)	1,2-Dibromo-3-chloropropan	13.00	75	4321	8.696	ppb	88
102)	1,2,4-Trichlorobenzene	13.82	180	18976	8.505	ppb	89
103)	Hexachlorobutadiene	14.00	225	21780	8.921	ppb	97
104)	Naphthalene	14.07	128	36236	8.732	ppb	97
105)	1,2,3-Trichlorobenzene	14.31	180	23267	8.254	ppb	88

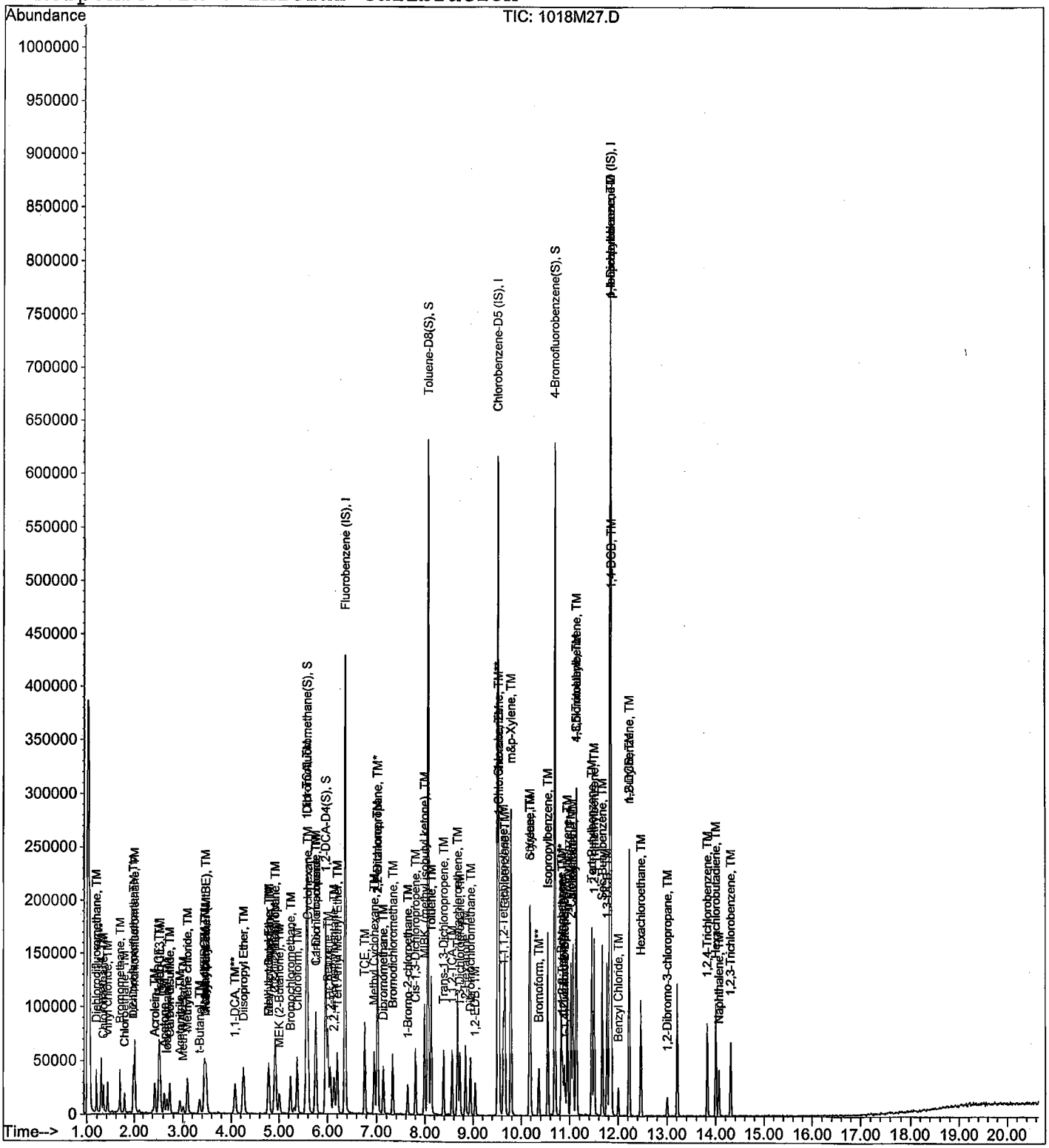
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\MAX\DATA\211015\1018M27.D Vial: 27
Acq On : 19 Oct 21 2:35 Operator: LP,DG,CH
Sample : Ending CCV 10ug/L 10/18/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 28 13:51 2021 Quant Results File: M1015W.RES

Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 14:01:48 2021
Response via : Initial Calibration



ORGANICS
Raw Data

Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\211015\1018M19.D Vial: 19
Acq On : 18 Oct 21 22:48 Operator: LP,DG,CH
Sample : BA43144W01 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 28 12:57 2021 Quant Results File: M1015W.RES

Quant Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 14:01:48 2021
Response via : Initial Calibration
DataAcq Meth : M8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.36	96	388108	25.000	ppb	0.02
65) Chlorobenzene-D5 (IS)	9.51	117	340090	25.000	ppb	0.02
80) 1,4-Dichlorobenzene-D (IS)	11.84	152	209639	25.000	ppb	0.02
System Monitoring Compounds						
41) Dibromofluoromethane(S)	5.58	111	123137	25.546	ppb	0.02
Spiked Amount 25.000			Recovery =	102.184%		
46) 1,2-DCA-D4(S)	5.97	65	81656	24.289	ppb	0.02
Spiked Amount 25.000			Recovery =	97.156%		
66) Toluene-D8(S)	8.06	98	394502	25.238	ppb	0.01
Spiked Amount 25.000			Recovery =	100.952%		
74) 4-Bromofluorobenzene(S)	10.69	95	155795	24.678	ppb	0.02
Spiked Amount 25.000			Recovery =	98.712%		

Target Compounds Qvalue

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

Quantitation Report

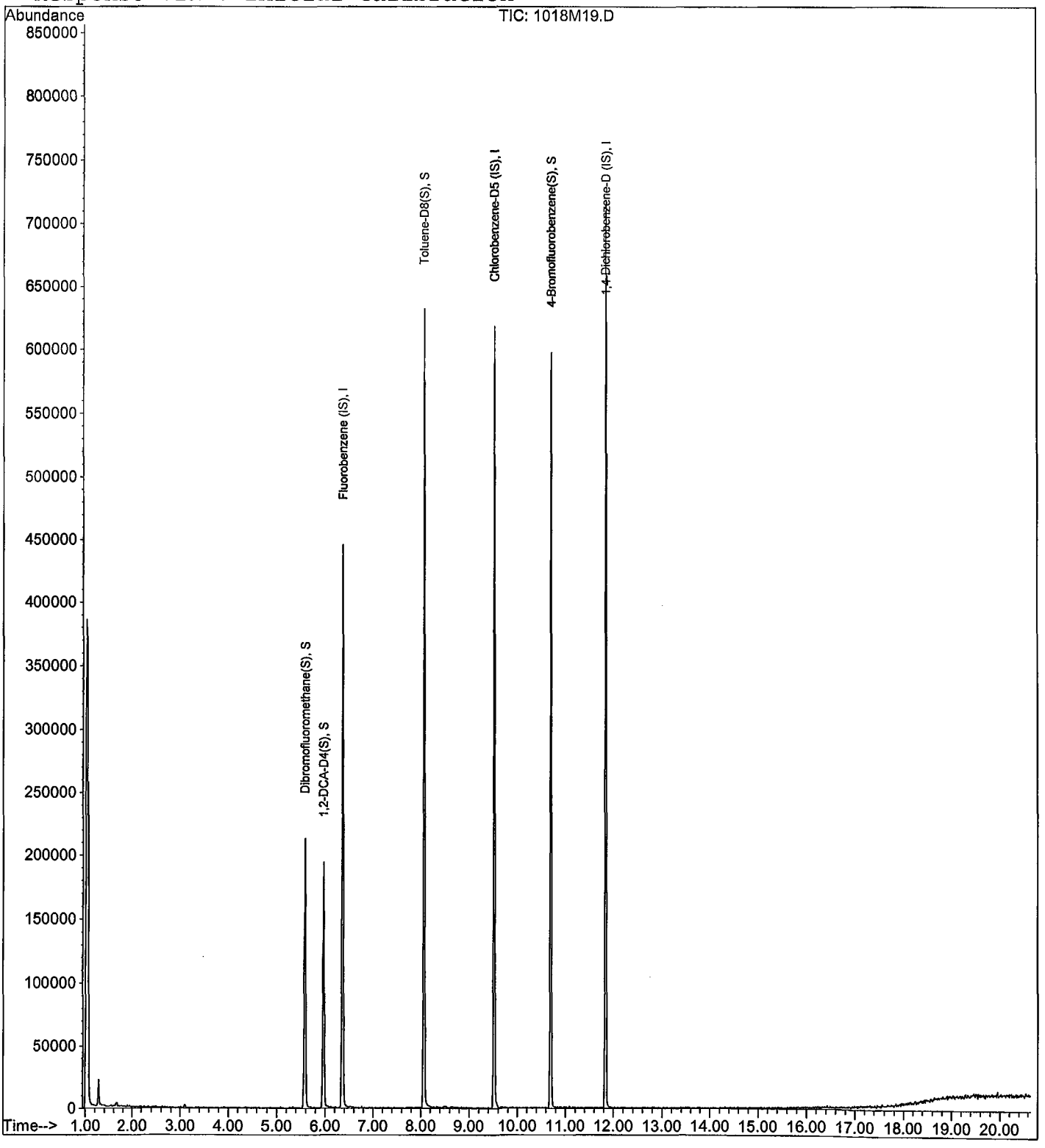
Data File : M:\MAX\DATA\211015\1018M19.D
Acq On : 18 Oct 21 22:48
Sample : BA43144W01
Misc : IS&S 8/4/21

Vial: 19
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Oct 28 12:57 2021

Quant Results File: M1015W.RES

Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 14:01:48 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\211015\1018M20.D Vial: 20
Acq On : 18 Oct 21 23:17 Operator: LP,DG,CH
Sample : BA43145W01 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 28 12:58 2021 Quant Results File: M1015W.RES

Quant Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 14:01:48 2021
Response via : Initial Calibration
DataAcq Meth : M8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.36	96	358570	25.000	ppb	0.02
65) Chlorobenzene-D5 (IS)	9.51	117	322332	25.000	ppb	0.02
80) 1,4-Dichlorobenzene-D (IS)	11.83	152	206307	25.000	ppb	0.01
System Monitoring Compounds						
41) Dibromofluoromethane(S)	5.58	111	115715	25.984	ppb	0.02
Spiked Amount 25.000			Recovery =	103.936%		
46) 1,2-DCA-D4(S)	5.97	65	76064	24.489	ppb	0.02
Spiked Amount 25.000			Recovery =	97.956%		
66) Toluene-D8(S)	8.07	98	364933	24.633	ppb	0.02
Spiked Amount 25.000			Recovery =	98.532%		
74) 4-Bromofluorobenzene(S)	10.69	95	146513	24.486	ppb	0.02
Spiked Amount 25.000			Recovery =	97.944%		

Target Compounds Qvalue

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

Quantitation Report

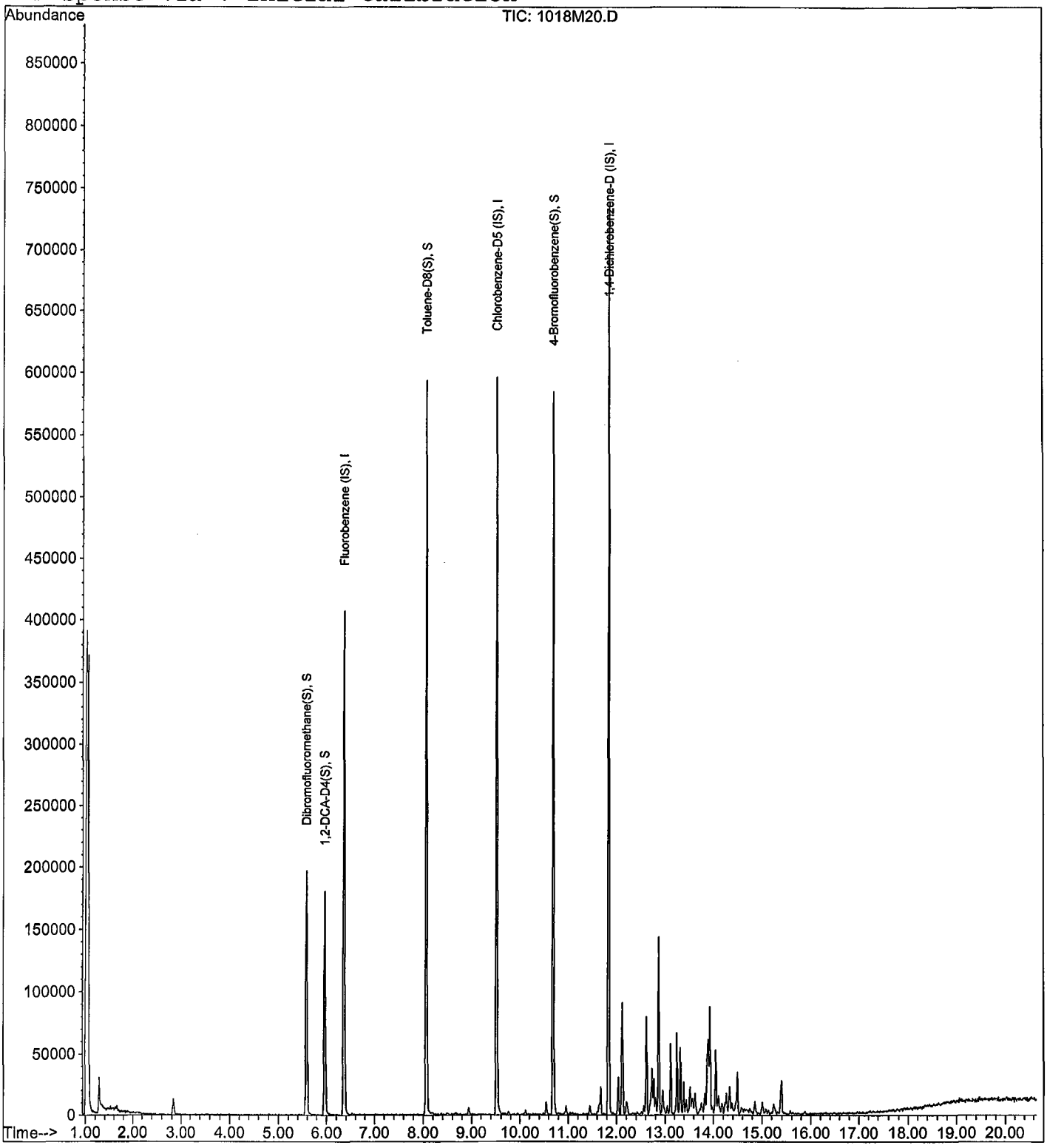
Data File : M:\MAX\DATA\211015\1018M20.D
Acq On : 18 Oct 21 23:17
Sample : BA43145W01
Misc : IS&S 8/4/21

Vial: 20
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Oct 28 12:58 2021

Quant Results File: M1015W.RES

Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 14:01:48 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\211015\1018M21.D Vial: 21
Acq On : 18 Oct 21 23:45 Operator: LP,DG,CH
Sample : BA43146W01 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 28 12:59 2021 Quant Results File: M1015W.RES

Quant Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 14:01:48 2021
Response via : Initial Calibration
DataAcq Meth : M8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.36	96	366570	25.000	ppb	0.02
65) Chlorobenzene-D5 (IS)	9.51	117	331805	25.000	ppb	0.02
80) 1,4-Dichlorobenzene-D (IS)	11.83	152	210619	25.000	ppb	0.01
System Monitoring Compounds						
41) Dibromofluoromethane(S)	5.58	111	113564	24.945	ppb	0.02
Spiked Amount 25.000			Recovery =	99.780%		
46) 1,2-DCA-D4(S)	5.97	65	77336	24.355	ppb	0.02
Spiked Amount 25.000			Recovery =	97.420%		
66) Toluene-D8(S)	8.07	98	372503	24.426	ppb	0.02
Spiked Amount 25.000			Recovery =	97.704%		
74) 4-Bromofluorobenzene(S)	10.69	95	149660	24.298	ppb	0.02
Spiked Amount 25.000			Recovery =	97.192%		

Target Compounds Qvalue

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

Quantitation Report

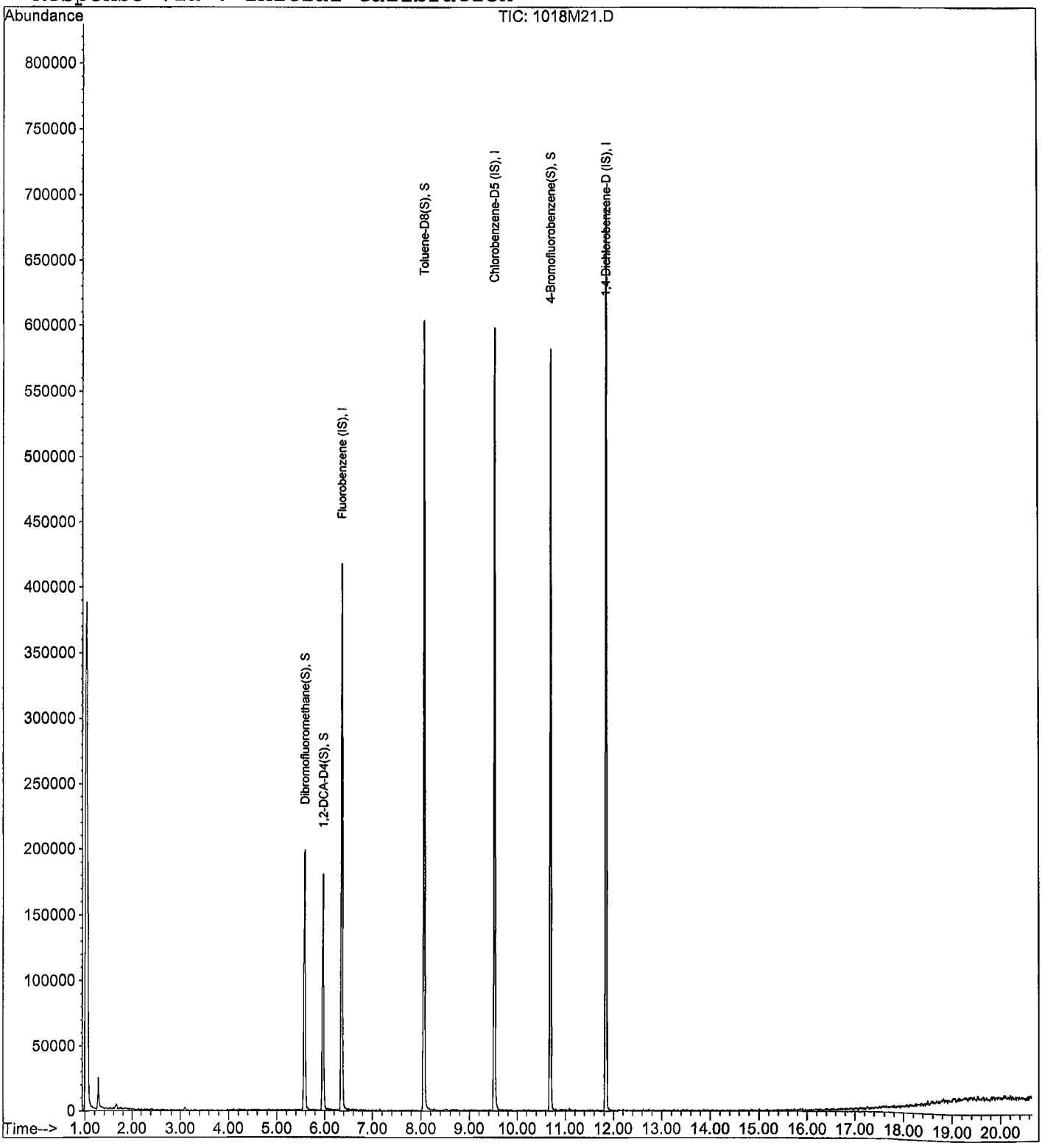
Data File : M:\MAX\DATA\211015\1018M21.D
Acq On : 18 Oct 21 23:45
Sample : BA43146W01
Misc : IS&S 8/4/21

Vial: 21
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Oct 28 12:59 2021

Quant Results File: M1015W.RES

Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 14:01:48 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\211015\1018M22.D Vial: 22
Acq On : 19 Oct 21 00:13 Operator: LP,DG,CH
Sample : BA43147W01 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 28 13:01 2021 Quant Results File: M1015W.RES

Quant Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 14:01:48 2021
Response via : Initial Calibration
DataAcq Meth : M8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.36	96	378719	25.000	ppb	0.02
65) Chlorobenzene-D5 (IS)	9.51	117	333150	25.000	ppb	0.02
80) 1,4-Dichlorobenzene-D (IS)	11.83	152	217338	25.000	ppb	0.01
System Monitoring Compounds						
41) Dibromofluoromethane(S)	5.58	111	117560	24.994	ppb	0.02
Spiked Amount 25.000			Recovery =	99.976%		
46) 1,2-DCA-D4(S)	5.97	65	78688	23.986	ppb	0.02
Spiked Amount 25.000			Recovery =	95.944%		
66) Toluene-D8(S)	8.06	98	380419	24.844	ppb	0.01
Spiked Amount 25.000			Recovery =	99.376%		
74) 4-Bromofluorobenzene(S)	10.69	95	156619	25.325	ppb	0.01
Spiked Amount 25.000			Recovery =	101.300%		

Target Compounds Qvalue

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

Quantitation Report

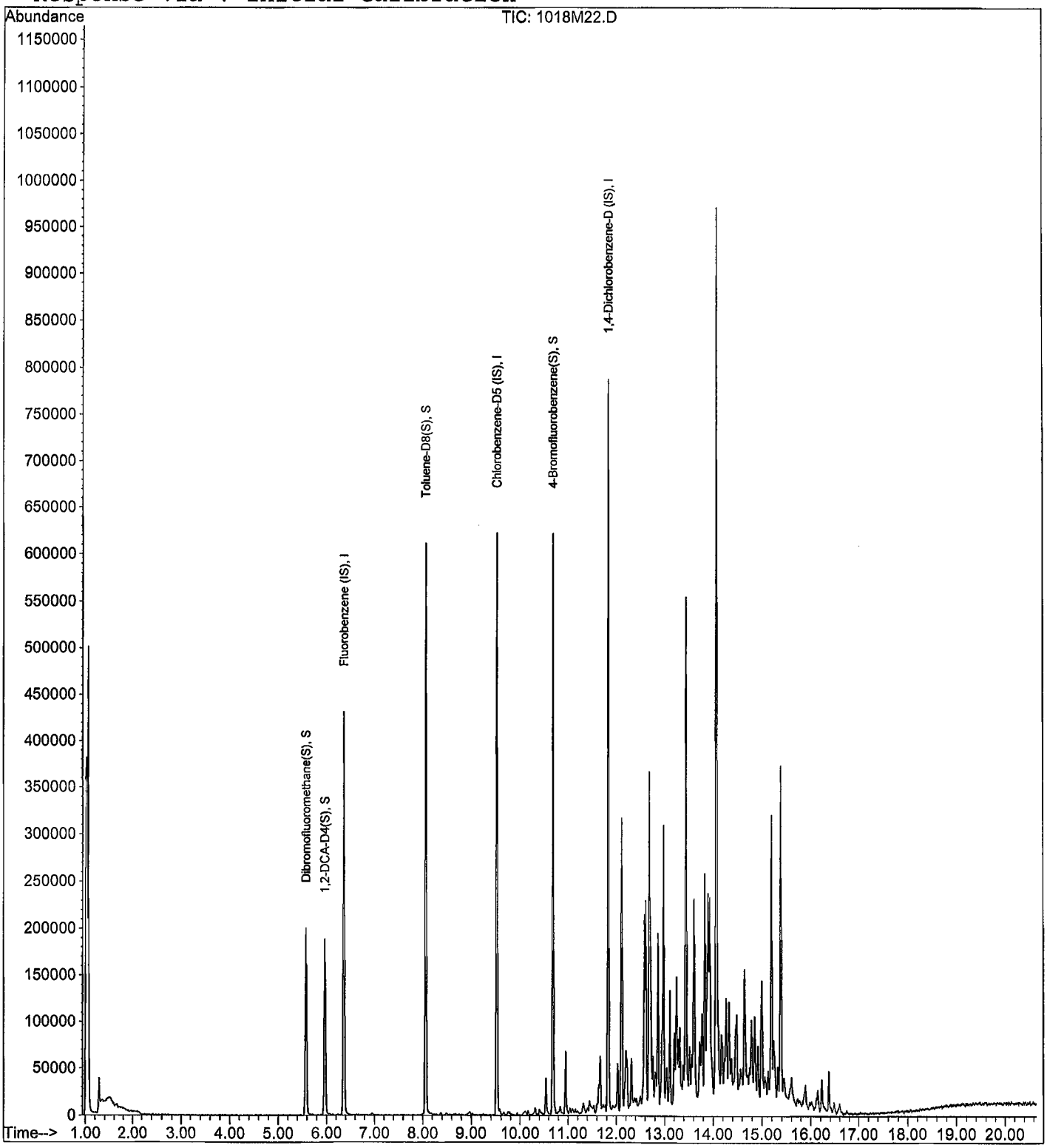
Data File : M:\MAX\DATA\211015\1018M22.D
Acq On : 19 Oct 21 00:13
Sample : BA43147W01
Misc : IS&S 8/4/21

Vial: 22
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Oct 28 13:01 2021

Quant Results File: M1015W.RES

Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 14:01:48 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\211015\1018M23.D Vial: 23
Acq On : 19 Oct 21 00:41 Operator: LP,DG,CH
Sample : BA43148W01 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 28 13:02 2021 Quant Results File: M1015W.RES

Quant Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 14:01:48 2021
Response via : Initial Calibration
DataAcq Meth : M8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.36	96	398186	25.000	ppb	0.02
65) Chlorobenzene-D5 (IS)	9.51	117	348075	25.000	ppb	0.02
80) 1,4-Dichlorobenzene-D (IS)	11.83	152	220215	25.000	ppb	0.01
System Monitoring Compounds						
41) Dibromofluoromethane(S)	5.58	111	122987	24.869	ppb	0.02
Spiked Amount 25.000			Recovery =	99.476%		
46) 1,2-DCA-D4(S)	5.97	65	80880	23.449	ppb	0.02
Spiked Amount 25.000			Recovery =	93.796%		
66) Toluene-D8(S)	8.06	98	407013	25.441	ppb	0.01
Spiked Amount 25.000			Recovery =	101.764%		
74) 4-Bromofluorobenzene(S)	10.69	95	160574	24.851	ppb	0.02
Spiked Amount 25.000			Recovery =	99.404%		

Target Compounds Qvalue

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

Quantitation Report

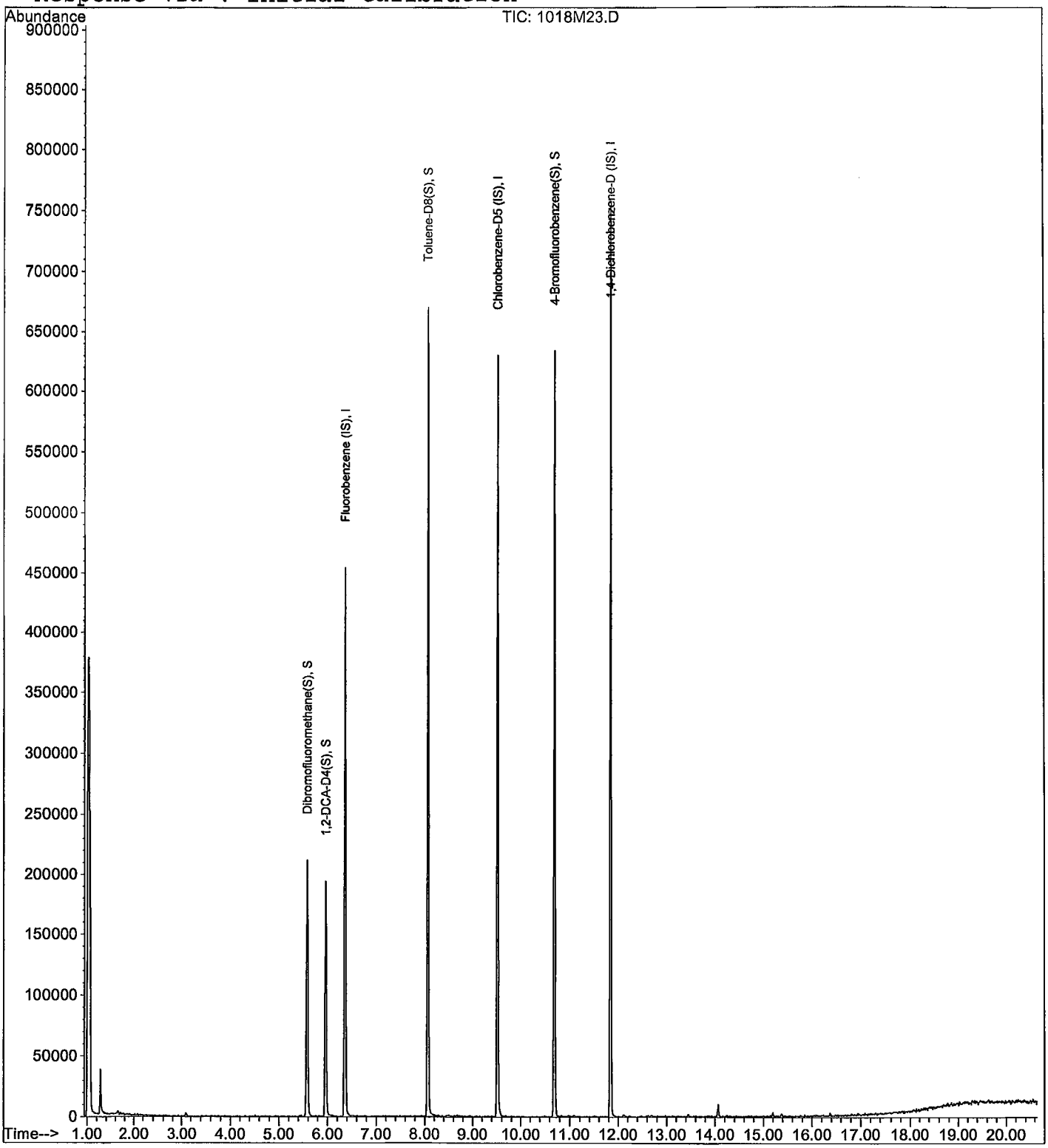
Data File : M:\MAX\DATA\211015\1018M23.D
Acq On : 19 Oct 21 00:41
Sample : BA43148W01
Misc : IS&S 8/4/21

Vial: 23
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Oct 28 13:02 2021

Quant Results File: M1015W.RES

Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 14:01:48 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\211015\1018M24.D Vial: 24
Acq On : 19 Oct 21 1:10 Operator: LP,DG,CH
Sample : BA43149W01 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 28 13:03 2021 Quant Results File: M1015W.RES

Quant Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 14:01:48 2021
Response via : Initial Calibration
DataAcq Meth : M8260

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	6.36	96	382186	25.000 ppb	0.02
65) Chlorobenzene-D5 (IS)	9.51	117	336295	25.000 ppb	0.02
80) 1,4-Dichlorobenzene-D (IS)	11.83	152	211633	25.000 ppb	0.01
System Monitoring Compounds					
41) Dibromofluoromethane(S)	5.58	111	117805	24.819 ppb	0.02
Spiked Amount 25.000			Recovery =	99.276%	
46) 1,2-DCA-D4(S)	5.97	65	78128	23.599 ppb	0.02
Spiked Amount 25.000			Recovery =	94.396%	
66) Toluene-D8(S)	8.06	98	389296	25.186 ppb	0.01
Spiked Amount 25.000			Recovery =	100.744%	
74) 4-Bromofluorobenzene(S)	10.69	95	152865	24.487 ppb	0.02
Spiked Amount 25.000			Recovery =	97.948%	

Target Compounds Qvalue

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

Quantitation Report

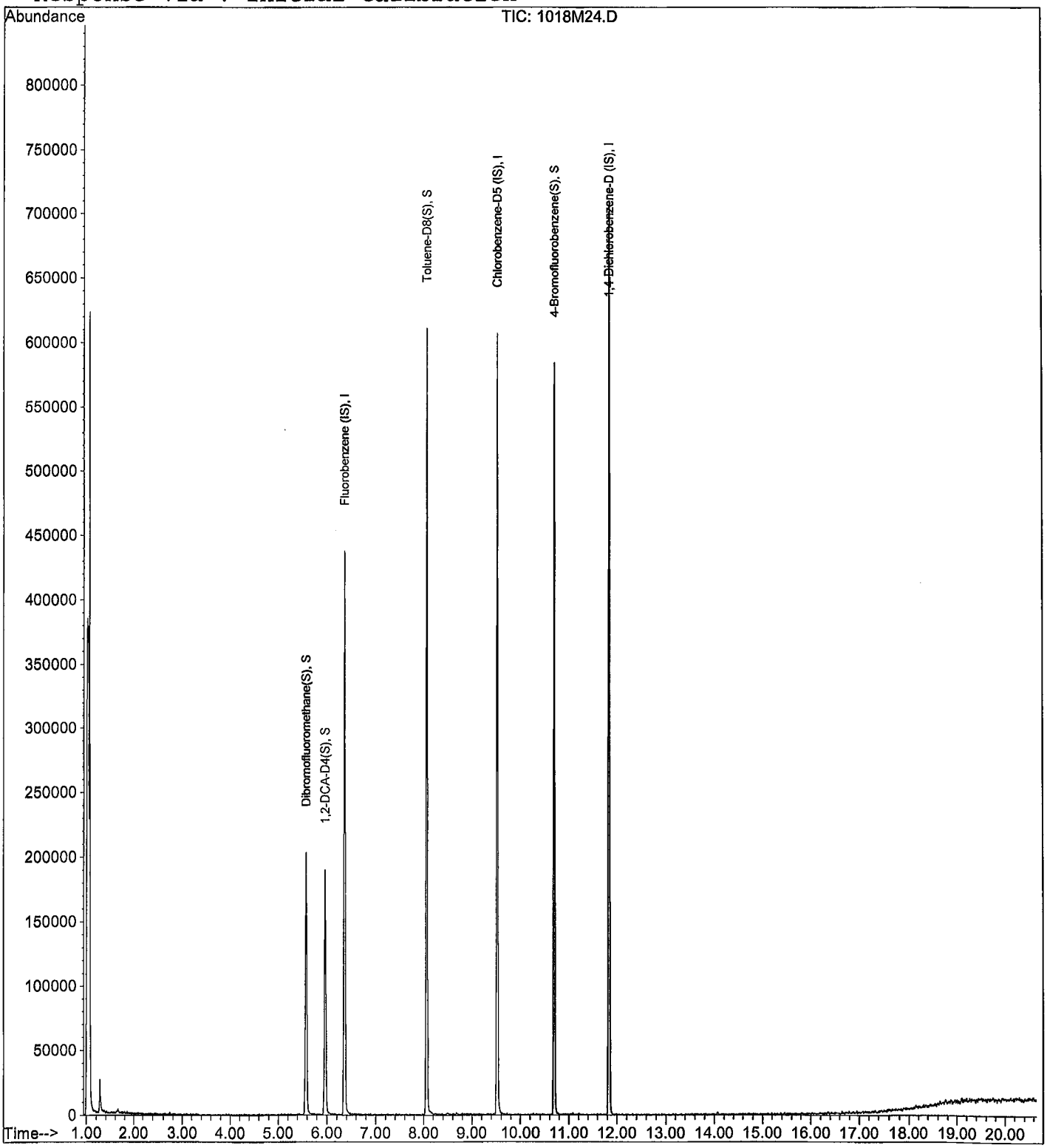
Data File : M:\MAX\DATA\211015\1018M24.D
Acq On : 19 Oct 21 1:10
Sample : BA43149W01
Misc : IS&S 8/4/21

Vial: 24
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Oct 28 13:03 2021

Quant Results File: M1015W.RES

Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 14:01:48 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\211015\1018M25.D Vial: 25
Acq On : 19 Oct 21 1:38 Operator: LP,DG,CH
Sample : BA43150W01 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 28 13:04 2021 Quant Results File: M1015W.RES

Quant Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 14:01:48 2021
Response via : Initial Calibration
DataAcq Meth : M8260

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	6.36	96	383130	25.000 ppb	0.02
65) Chlorobenzene-D5 (IS)	9.51	117	336855	25.000 ppb	0.02
80) 1,4-Dichlorobenzene-D (IS)	11.83	152	207669	25.000 ppb	0.01
System Monitoring Compounds					
41) Dibromofluoromethane(S)	5.58	111	120242	25.270 ppb	0.02
Spiked Amount 25.000			Recovery	= 101.080%	
46) 1,2-DCA-D4(S)	5.97	65	83176	25.062 ppb	0.02
Spiked Amount 25.000			Recovery	= 100.248%	
66) Toluene-D8(S)	8.06	98	385840	24.921 ppb	0.01
Spiked Amount 25.000			Recovery	= 99.684%	
74) 4-Bromofluorobenzene(S)	10.69	95	156684	25.057 ppb	0.01
Spiked Amount 25.000			Recovery	= 100.228%	

Target Compounds Qvalue

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

Quantitation Report

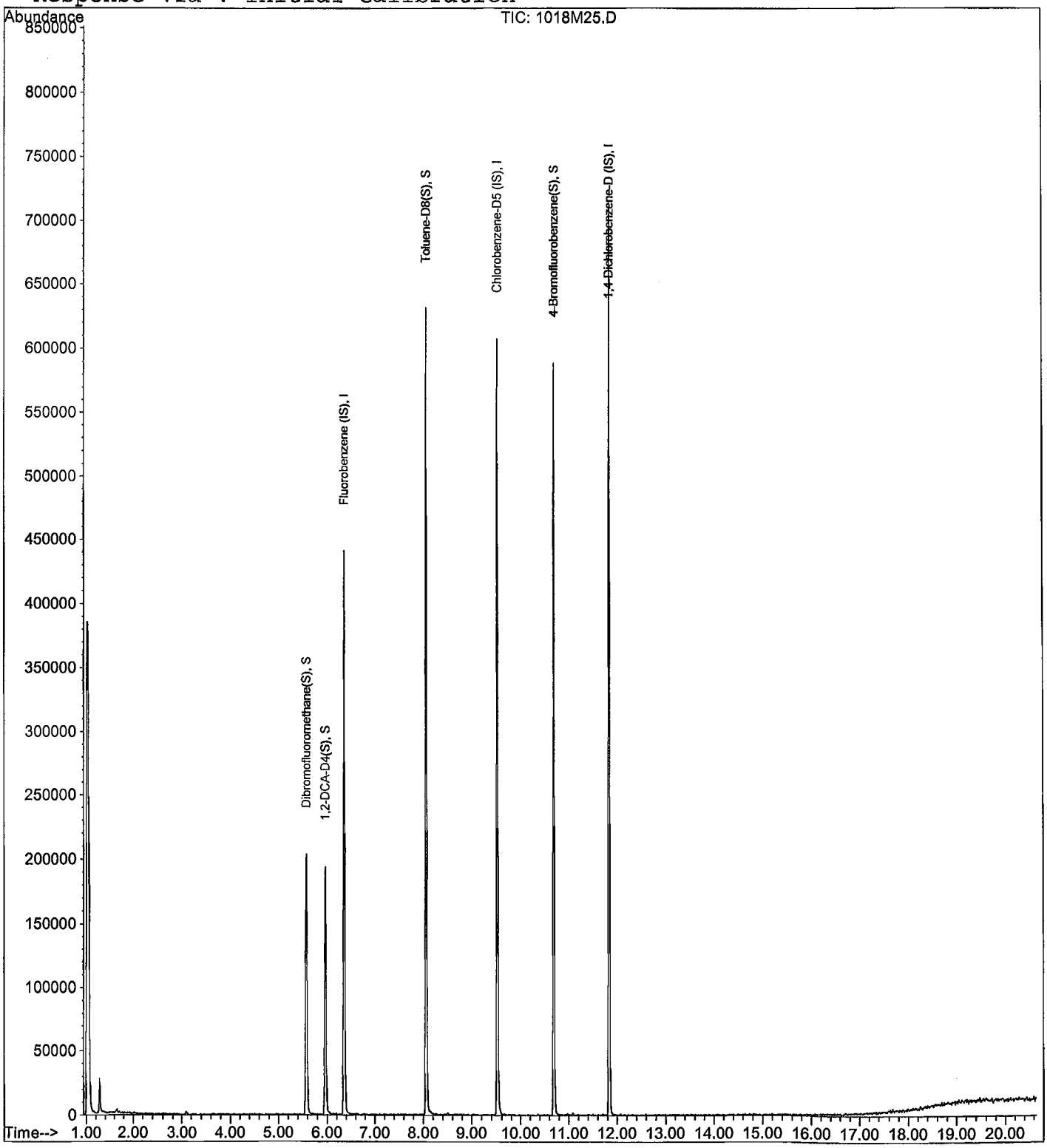
Data File : M:\MAX\DATA\211015\1018M25.D
Acq On : 19 Oct 21 1:38
Sample : BA43150W01
Misc : IS&S 8/4/21

Vial: 25
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Oct 28 13:04 2021

Quant Results File: M1015W.RES

Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 14:01:48 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\211015\1018M26.D Vial: 26
Acq On : 19 Oct 21 2:06 Operator: LP,DG,CH
Sample : BA43151W01 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 28 13:07 2021 Quant Results File: M1015W.RES

Quant Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 14:01:48 2021
Response via : Initial Calibration
DataAcq Meth : M8260

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	6.36	96	367578	25.000 ppb	0.02
65) Chlorobenzene-D5 (IS)	9.51	117	321662	25.000 ppb	0.02
80) 1,4-Dichlorobenzene-D (IS)	11.84	152	203544	25.000 ppb	0.02
System Monitoring Compounds					
41) Dibromofluoromethane(S)	5.58	111	115046	25.201 ppb	0.02
Spiked Amount 25.000			Recovery = 100.804%		
46) 1,2-DCA-D4(S)	5.97	65	74864	23.512 ppb	0.02
Spiked Amount 25.000			Recovery = 94.048%		
66) Toluene-D8(S)	8.07	98	374888	25.357 ppb	0.02
Spiked Amount 25.000			Recovery = 101.428%		
74) 4-Bromofluorobenzene(S)	10.69	95	147397	24.685 ppb	0.02
Spiked Amount 25.000			Recovery = 98.740%		

Target Compounds Qvalue

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

Quantitation Report

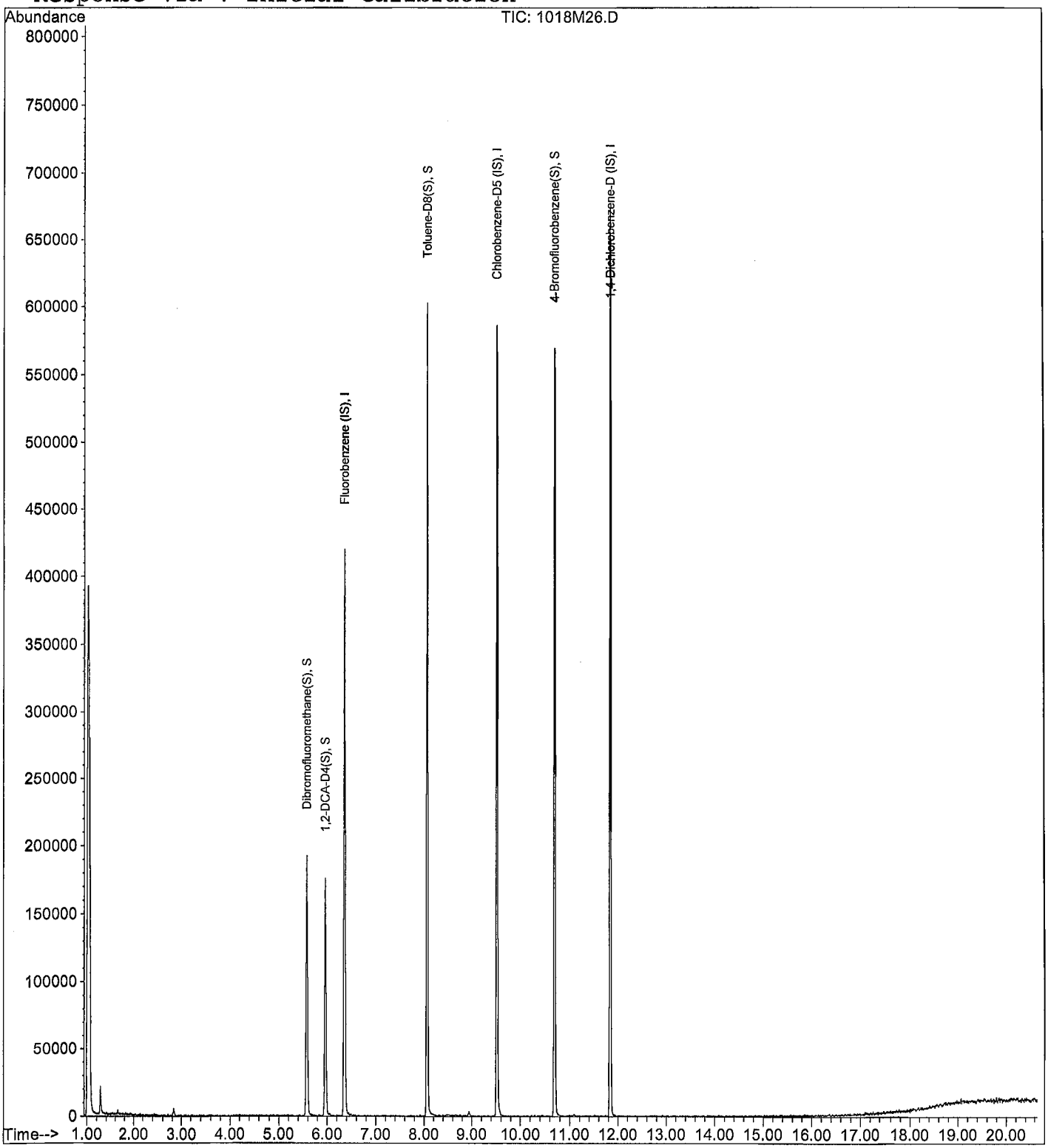
Data File : M:\MAX\DATA\211015\1018M26.D
Acq On : 19 Oct 21 2:06
Sample : BA43151W01
Misc : IS&S 8/4/21

Vial: 26
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Oct 28 13:07 2021

Quant Results File: M1015W.RES

Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 14:01:48 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\211015\1018M08.D Vial: 8
Acq On : 18 Oct 21 17:36 Operator: LP,DG,CH
Sample : 211018A BLK Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 28 13:55 2021 Quant Results File: M1015W.RES

Quant Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 14:01:48 2021
Response via : Initial Calibration
DataAcq Meth : M8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.36	96	366681	25.000	ppb	0.02
65) Chlorobenzene-D5 (IS)	9.51	117	325488	25.000	ppb	0.02
80) 1,4-Dichlorobenzene-D (IS)	11.84	152	211610	25.000	ppb	0.02
System Monitoring Compounds						
41) Dibromofluoromethane(S)	5.58	111	113588	24.942	ppb	0.02
Spiked Amount 25.000			Recovery =	99.768%		
46) 1,2-DCA-D4(S)	5.97	65	76456	24.071	ppb	0.02
Spiked Amount 25.000			Recovery =	96.284%		
66) Toluene-D8(S)	8.07	98	378310	25.288	ppb	0.02
Spiked Amount 25.000			Recovery =	101.152%		
74) 4-Bromofluorobenzene(S)	10.69	95	150504	24.909	ppb	0.02
Spiked Amount 25.000			Recovery =	99.636%		

Target Compounds Qvalue

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

Quantitation Report

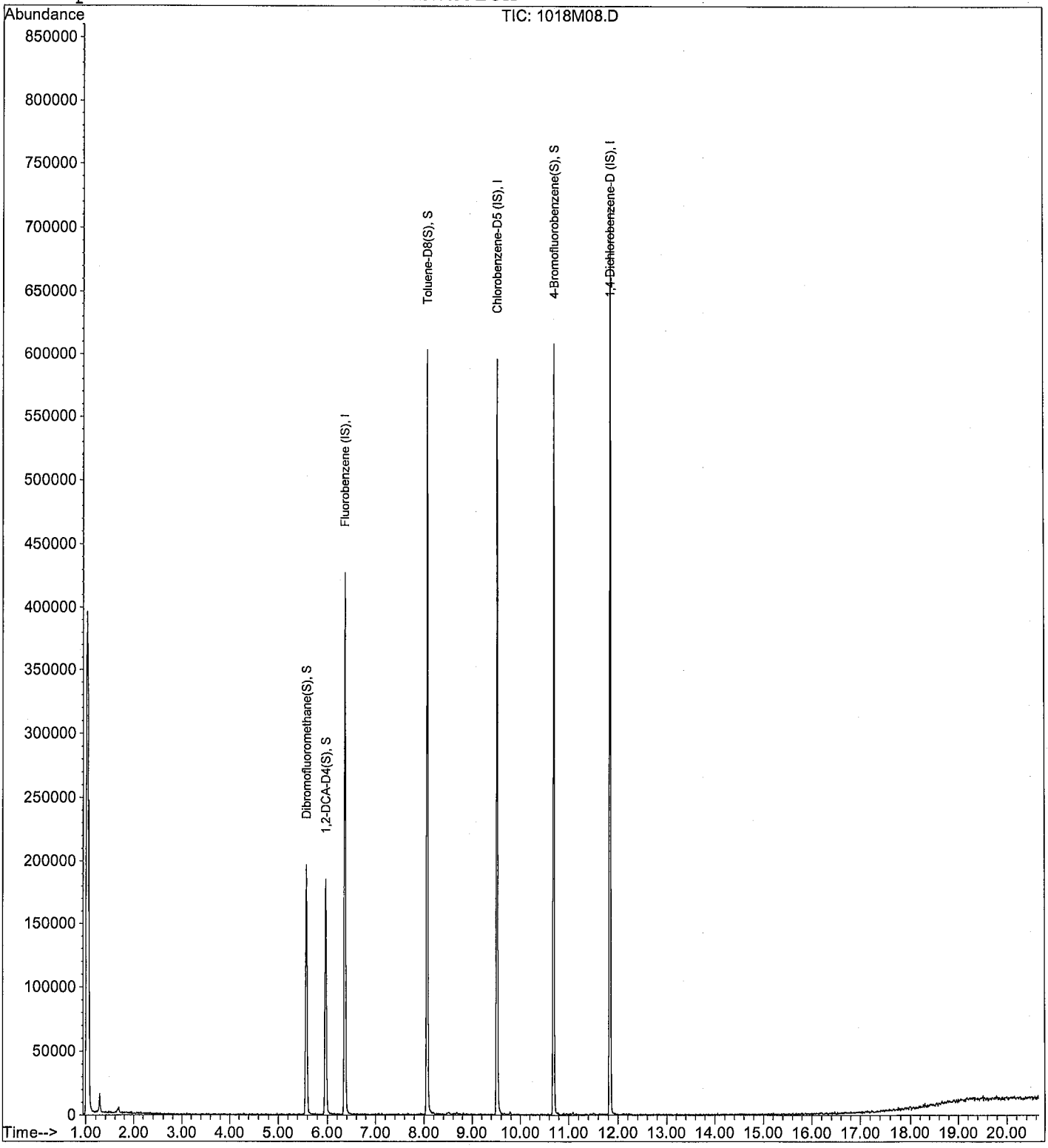
Data File : M:\MAX\DATA\211015\1018M08.D
Acq On : 18 Oct 21 17:36
Sample : 211018A BLK
Misc : IS&S 8/4/21

Vial: 8
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Oct 28 13:55 2021

Quant Results File: M1015W.RES

Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 14:01:48 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211015\1018M03.D Vial: 3
Acq On : 18 Oct 21 15:15 Operator: LP,DG,CH
Sample : 211018A LCS 10ug/L Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 28 13:51 2021 Quant Results File: M1015W.RES

Quant Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 14:01:48 2021
Response via : Initial Calibration
DataAcq Meth : M8260

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene (IS)	6.36	96	373214	25.000	ppb		0.02
65) Chlorobenzene-D5 (IS)	9.51	117	339185	25.000	ppb		0.02
80) 1,4-Dichlorobenzene-D (IS)	11.83	152	226200	25.000	ppb		0.01
System Monitoring Compounds							
41) Dibromofluoromethane(S)	5.58	111	111778	24.115	ppb		0.02
Spiked Amount 25.000			Recovery =	96.460%			
46) 1,2-DCA-D4(S)	5.97	65	78872	24.397	ppb		0.02
Spiked Amount 25.000			Recovery =	97.588%			
66) Toluene-D8(S)	8.07	98	379591	24.349	ppb		0.02
Spiked Amount 25.000			Recovery =	97.396%			
74) 4-Bromofluorobenzene(S)	10.69	95	157099	24.951	ppb		0.01
Spiked Amount 25.000			Recovery =	99.804%			
Target Compounds							Qvalue
3) Dichlorodifluoromethane	1.19	85	22536	10.085	ppb		94
4) Freon 114	1.29	85	13658	10.911	ppb		75
5) Chloromethane	1.34	50	13912	10.435	ppb		99
6) Vinyl chloride	1.43	62	17255	10.496	ppb		95
8) Bromomethane	1.69	94	14533	10.462	ppb		99
9) Chloroethane	1.78	64	10633	9.987	ppb		97
10) Dichlorofluoromethane	1.98	67	32310	8.959	ppb		98
11) Trichlorofluoromethane	2.01	101	43340	10.049	ppb		98
13) Acrolein	2.45	56	25825	123.400	ppb		91
14) Acetone	2.63	43	24043	49.410	ppb		95
15) Freon-113	2.54	151	16737	9.536	ppb		90
16) Acetonitrile	2.95	41	14760	127.639	ppb		89
18) 1,2-Dichlorotrifluoroethan	1.98	67	32310	8.958	ppb	#	100
19) 1,1-DCE	2.52	61	25372	9.708	ppb		98
20) t-Butanol	3.36	59	21053	140.762	ppb		98
21) Methyl Acetate	3.02	43	9430	11.523	ppb		95
22) Iodomethane	2.67	142	16015	8.959	ppb		95
23) Acrylonitrile	3.45	53	4155	9.014	ppb	#	69
25) Methylene chloride	3.10	84	17256	10.229	ppb		97
26) Carbon disulfide	2.73	76	20872	9.818	ppb		100
27) Methyl t-butyl ether (MtBE	3.49	73	61043	10.848	ppb		97
28) Trans-1,2-DCE	3.45	96	17798	9.768	ppb		93
29) 3-Methylpentane	3.49	57	9691	10.188	ppb	#	98
31) Diisopropyl Ether	4.27	45	39895	11.368	ppb		92
32) 1,1-DCA	4.09	63	29822	10.911	ppb	#	95
34) Ethyl tert Butyl Ether	4.79	59	48032	10.651	ppb		98
35) Methylcyclopentane	4.78	56	1916	9.854	ppb		100

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

Data File : M:\MAX\DATA\211015\1018M03.D Vial: 3
Acq On : 18 Oct 21 15:15 Operator: LP,DG,CH
Sample : 211018A LCS 10ug/L Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 28 13:51 2021 Quant Results File: M1015W.RES

Quant Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 14:01:48 2021
Response via : Initial Calibration
DataAcq Meth : M8260

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
36)	MEK (2-Butanone)	5.01	43	26767	52.613	ppb		93
37)	Cis-1,2-DCE	4.94	96	19383	9.604	ppb		94
38)	2,2-Dichloropropane	4.91	77	36806	10.497	ppb		97
39)	Chloroform	5.38	83	38821	10.940	ppb		93
40)	Bromochloromethane	5.25	130	16424	10.413	ppb		88
42)	1,1,1-TCA	5.56	97	42129	10.111	ppb		98
43)	Cyclohexane	5.60	41	11078	9.296	ppb		93
44)	1,1-Dichloropropene	5.77	75	23661	10.467	ppb		90
45)	2,2,4-Trimethylpentane	6.14	57	32446	11.068	ppb	#	84
47)	Carbon Tetrachloride	5.75	117	36488	9.311	ppb		93
48)	Tert Amyl Methyl Ether	6.20	73	49134	11.051	ppb		93
49)	1,2-DCA	6.06	62	34723	9.897	ppb		98
50)	Benzene	6.01	78	64620	9.874	ppb		93
51)	TCE	6.77	95	19358	9.239	ppb		85
52)	2-Pentanone	7.02	43	115148	135.405	ppb		96
53)	1,2-Dichloropropane	7.01	63	7169	9.863	ppb		94
54)	Bromodichloromethane	7.33	83	30861	10.505	ppb		98
55)	Methyl Cyclohexane	6.96	83	22303	9.899	ppb		87
56)	Dibromomethane	7.14	93	11658	9.121	ppb		96
57)	MIBK (methyl isobutyl ket	7.99	43	60494	55.624	ppb		94
58)	1-Bromo-2-chloroethane	7.64	144	4005	9.742	ppb		89
60)	Cis-1,3-Dichloropropene	7.81	75	28427	10.799	ppb		88
61)	Toluene	8.13	91	76352	10.088	ppb		97
62)	Trans-1,3-Dichloropropene	8.39	75	28953	11.092	ppb		100
63)	1,1,2-TCA	8.56	83	11949	10.185	ppb		97
64)	2-Hexanone	8.84	43	40904	55.612	ppb		95
67)	1,2-EDB	9.05	107	18153	10.143	ppb		95
68)	Tetrachloroethene	8.68	164	15550	8.608	ppb		90
69)	1-Chlorohexane	9.54	91	12830	9.530	ppb		95
70)	1,1,1,2-Tetrachloroethane	9.64	131	28134	11.149	ppb		86
71)	m&p-Xylene	9.78	106	79564	20.750	ppb		93
72)	o-Xylene	10.17	106	40630	10.104	ppb		98
73)	Styrene	10.19	104	63933	10.560	ppb	#	97
75)	1,3-Dichloropropane	8.73	76	26347	10.013	ppb		92
76)	Dibromochloromethane	8.95	129	27698	10.520	ppb		98
77)	Chlorobenzene	9.54	112	60898	10.357	ppb		94
78)	Ethylbenzene	9.67	91	93273	10.022	ppb		96
79)	Bromoform	10.36	173	21201	9.700	ppb		95
81)	Isopropylbenzene	10.54	105	99748	9.456	ppb		96
82)	1,1,2,2-Tetrachloroethane	10.86	83	19796	10.935	ppb		95
83)	1,2,3-Trichloropropane	10.89	110	9255	10.226	ppb		84
84)	t-1,4-Dichloro-2-Butene	10.92	53	5043	10.929	ppb	#	67

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

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211015\1018M03.D Vial: 3
Acq On : 18 Oct 21 15:15 Operator: LP,DG,CH
Sample : 211018A LCS 10ug/L Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 28 13:51 2021 Quant Results File: M1015W.RES

Quant Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 14:01:48 2021
Response via : Initial Calibration
DataAcq Meth : M8260

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
85)	Bromobenzene	10.83	156	34841	10.090	ppb	85
86)	n-Propylbenzene	10.96	91	106435	10.217	ppb	100
87)	4-Ethyltoluene	11.07	105	101637	10.565	ppb	92
88)	2-Chlorotoluene	11.03	91	82182	9.949	ppb	97
89)	1,3,5-Trimethylbenzene	11.14	105	96435	10.714	ppb	97
90)	4-Chlorotoluene	11.14	91	84266	10.270	ppb	97
91)	Tert-Butylbenzene	11.46	119	54208	10.909	ppb	95
92)	1,2,4-Trimethylbenzene	11.50	105	94474	11.079	ppb	98
93)	Sec-Butylbenzene	11.67	105	105033	11.045	ppb	98
94)	p-Isopropyltoluene	11.83	119	101538	11.046	ppb	99
95)	Benzyl Chloride	12.00	91	26274	12.072	ppb	97
96)	1,3-DCB	11.77	146	62936	10.469	ppb	94
97)	1,4-DCB	11.86	146	59426	9.705	ppb	95
98)	n-Butylbenzene	12.23	91	60570	9.785	ppb	98
99)	1,2-DCB	12.23	146	62625	10.642	ppb	97
100)	Hexachloroethane	12.47	117	15712	10.200	ppb	92
101)	1,2-Dibromo-3-chloropropan	13.00	75	4740	9.293	ppb	92
102)	1,2,4-Trichlorobenzene	13.82	180	22800	9.643	ppb	87
103)	Hexachlorobutadiene	14.00	225	24190	9.643	ppb	95
104)	Naphthalene	14.07	128	45437	10.449	ppb	97
105)	1,2,3-Trichlorobenzene	14.31	180	28110	9.311	ppb	89

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

Quantitation Report

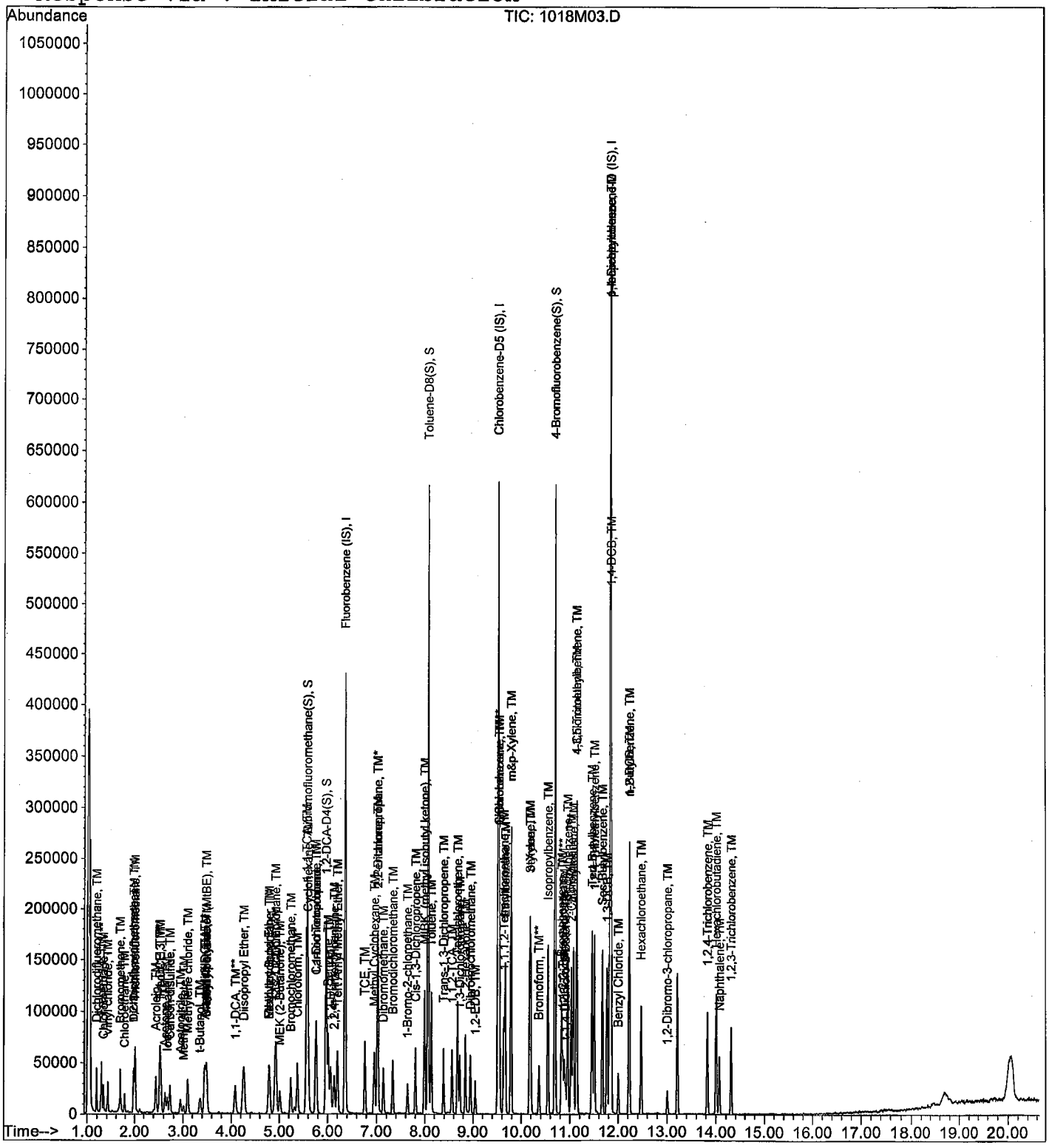
Data File : M:\MAX\DATA\211015\1018M03.D
Acq On : 18 Oct 21 15:15
Sample : 211018A LCS 10ug/L
Misc : IS&S 8/4/21

Vial: 3
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Oct 28 13:51 2021

Quant Results File: M1015W.RES

Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 14:01:48 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211015\1018M04.D Vial: 4
Acq On : 18 Oct 21 15:43 Operator: LP,DG,CH
Sample : 211018A LCSD 10ug/L Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 28 13:51 2021 Quant Results File: M1015W.RES

Quant Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 14:01:48 2021
Response via : Initial Calibration
DataAcq Meth : M8260

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene (IS)	6.36	96	363164	25.000	ppb		0.02
65) Chlorobenzene-D5 (IS)	9.51	117	329283	25.000	ppb		0.02
80) 1,4-Dichlorobenzene-D (IS)	11.83	152	226451	25.000	ppb		0.01
System Monitoring Compounds							
41) Dibromofluoromethane(S)	5.58	111	110284	24.451	ppb		0.02
Spiked Amount 25.000			Recovery =	97.804%			
46) 1,2-DCA-D4(S)	5.97	65	77656	24.685	ppb		0.02
Spiked Amount 25.000			Recovery =	98.740%			
66) Toluene-D8(S)	8.07	98	373339	24.668	ppb		0.02
Spiked Amount 25.000			Recovery =	98.672%			
74) 4-Bromofluorobenzene(S)	10.69	95	154812	25.327	ppb		0.02
Spiked Amount 25.000			Recovery =	101.308%			
Target Compounds							Qvalue
3) Dichlorodifluoromethane	1.19	85	23632	10.868	ppb		99
4) Freon 114	1.29	85	13615	11.177	ppb		76
5) Chloromethane	1.34	50	13522	10.423	ppb		99
6) Vinyl chloride	1.43	62	15651	9.784	ppb		98
8) Bromomethane	1.69	94	14003	10.359	ppb		95
9) Chloroethane	1.78	64	10471	10.094	ppb		96
10) Dichlorofluoromethane	1.98	67	33424	9.524	ppb		100
11) Trichlorofluoromethane	2.01	101	44526	10.610	ppb		100
13) Acrolein	2.45	56	27152	133.010	ppb		87
14) Acetone	2.63	43	25390	53.622	ppb		100
15) Freon-113	2.54	151	18147	10.625	ppb	#	89
16) Acetonitrile	2.94	41	16323	145.062	ppb		99
18) 1,2-Dichlorotrifluoroethan	1.98	67	33424	9.524	ppb		100
19) 1,1-DCE	2.52	61	24203	9.517	ppb		99
20) t-Butanol	3.36	59	21245	146.701	ppb		99
21) Methyl Acetate	3.01	43	8331	10.461	ppb		87
22) Iodomethane	2.67	142	18941	10.622	ppb		92
23) Acrylonitrile	3.46	53	4641	10.363	ppb	#	75
25) Methylene chloride	3.10	84	16999	10.356	ppb		94
26) Carbon disulfide	2.73	76	21048	10.175	ppb		100
27) Methyl t-butyl ether (MtBE	3.49	73	57504	10.502	ppb		98
28) Trans-1,2-DCE	3.45	96	17612	9.933	ppb		99
29) 3-Methylpentane	3.49	57	10337	11.222	ppb		98
31) Diisopropyl Ether	4.27	45	39562	11.585	ppb		94
32) 1,1-DCA	4.09	63	29220	10.987	ppb		94
34) Ethyl tert Butyl Ether	4.79	59	45996	10.481	ppb		99
35) Methylcyclopentane	4.79	56	1826	9.622	ppb		100

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

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211015\1018M04.D Vial: 4
Acq On : 18 Oct 21 15:43 Operator: LP,DG,CH
Sample : 211018A LCSD 10ug/L Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 28 13:51 2021 Quant Results File: M1015W.RES

Quant Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 14:01:48 2021
Response via : Initial Calibration
DataAcq Meth : M8260

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
36)	MEK (2-Butanone)	5.01	43	28281	57.127	ppb		88
37)	Cis-1,2-DCE	4.94	96	20009	10.188	ppb		91
38)	2,2-Dichloropropane	4.92	77	37255	10.919	ppb		94
39)	Chloroform	5.38	83	38993	11.293	ppb		97
40)	Bromochloromethane	5.24	130	14734	9.566	ppb	#	80
42)	1,1,1-TCA	5.56	97	42445	10.469	ppb		96
43)	Cyclohexane	5.61	41	11984	10.334	ppb		91
44)	1,1-Dichloropropene	5.77	75	22389	10.178	ppb		87
45)	2,2,4-Trimethylpentane	6.14	57	33854	11.868	ppb	#	81
47)	Carbon Tetrachloride	5.76	117	38816	10.179	ppb		100
48)	Tert Amyl Methyl Ether	6.20	73	46201	10.679	ppb		98
49)	1,2-DCA	6.06	62	35653	10.443	ppb		100
50)	Benzene	6.01	78	66684	10.471	ppb		99
51)	TCE	6.77	95	18083	8.869	ppb	#	65
52)	2-Pentanone	7.02	43	113980	137.740	ppb		98
53)	1,2-Dichloropropane	7.01	63	6977	9.864	ppb	#	92
54)	Bromodichloromethane	7.33	83	31966	11.182	ppb		99
55)	Methyl Cyclohexane	6.96	83	23562	10.734	ppb		93
56)	Dibromomethane	7.14	93	11793	9.482	ppb		98
57)	MIBK (methyl isobutyl ket	7.99	43	61530	58.142	ppb		98
58)	1-Bromo-2-chloroethane	7.64	144	3940	9.849	ppb		80
60)	Cis-1,3-Dichloropropene	7.81	75	28809	11.247	ppb		87
61)	Toluene	8.14	91	78841	10.705	ppb		96
62)	Trans-1,3-Dichloropropene	8.39	75	28664	11.285	ppb		99
63)	1,1,2-TCA	8.57	83	11241	9.846	ppb		94
64)	2-Hexanone	8.84	43	42135	58.871	ppb		97
67)	1,2-EDB	9.05	107	18567	10.687	ppb		91
68)	Tetrachloroethene	8.68	164	16544	9.574	ppb		87
69)	1-Chlorohexane	9.54	91	13481	10.315	ppb		94
70)	1,1,1,2-Tetrachloroethane	9.64	131	25854	10.554	ppb		93
71)	m&p-Xylene	9.78	106	80628	21.660	ppb		99
72)	o-Xylene	10.18	106	41207	10.555	ppb		87
73)	Styrene	10.19	104	65732	11.183	ppb	#	93
75)	1,3-Dichloropropane	8.73	76	27174	10.637	ppb		94
76)	Dibromochloromethane	8.95	129	26612	10.411	ppb		98
77)	Chlorobenzene	9.54	112	61234	10.727	ppb		96
78)	Ethylbenzene	9.67	91	96656	10.698	ppb		99
79)	Bromoform	10.36	173	22487	10.598	ppb		95
81)	Isopropylbenzene	10.55	105	109677	10.386	ppb		100
82)	1,1,2,2-Tetrachloroethane	10.86	83	18566	10.245	ppb		88
83)	1,2,3-Trichloropropane	10.89	110	9405	10.381	ppb		86
84)	t-1,4-Dichloro-2-Butene	10.91	53	4625	10.033	ppb	#	67

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

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211015\1018M04.D Vial: 4
Acq On : 18 Oct 21 15:43 Operator: LP,DG,CH
Sample : 211018A LCSD 10ug/L Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 28 13:51 2021 Quant Results File: M1015W.RES

Quant Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 14:01:48 2021
Response via : Initial Calibration
DataAcq Meth : M8260

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
85)	Bromobenzene	10.83	156	34941	10.108 ppb	90
86)	n-Propylbenzene	10.96	91	110190	10.565 ppb	94
87)	4-Ethyltoluene	11.07	105	102914	10.686 ppb	94
88)	2-Chlorotoluene	11.03	91	82404	9.965 ppb	92
89)	1,3,5-Trimethylbenzene	11.14	105	95558	10.605 ppb	99
90)	4-Chlorotoluene	11.14	91	84042	10.232 ppb	99
91)	Tert-Butylbenzene	11.45	119	54864	11.028 ppb	97
92)	1,2,4-Trimethylbenzene	11.50	105	98643	11.555 ppb	99
93)	Sec-Butylbenzene	11.67	105	105369	11.069 ppb	97
94)	p-Isopropyltoluene	11.83	119	104957	11.405 ppb	97
95)	Benzyl Chloride	12.00	91	25297	11.610 ppb	96
96)	1,3-DCB	11.77	146	62413	10.370 ppb	94
97)	1,4-DCB	11.86	146	62815	10.248 ppb	97
98)	n-Butylbenzene	12.23	91	64320	10.300 ppb	95
99)	1,2-DCB	12.23	146	62401	10.592 ppb	98
100)	Hexachloroethane	12.47	117	15723	10.195 ppb	95
101)	1,2-Dibromo-3-chloropropan	13.01	75	5039	9.805 ppb	96
102)	1,2,4-Trichlorobenzene	13.82	180	21840	9.322 ppb	93
103)	Hexachlorobutadiene	14.00	225	26211	10.354 ppb	97
104)	Naphthalene	14.07	128	47701	10.889 ppb	100
105)	1,2,3-Trichlorobenzene	14.31	180	28629	9.427 ppb	95

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

Quantitation Report

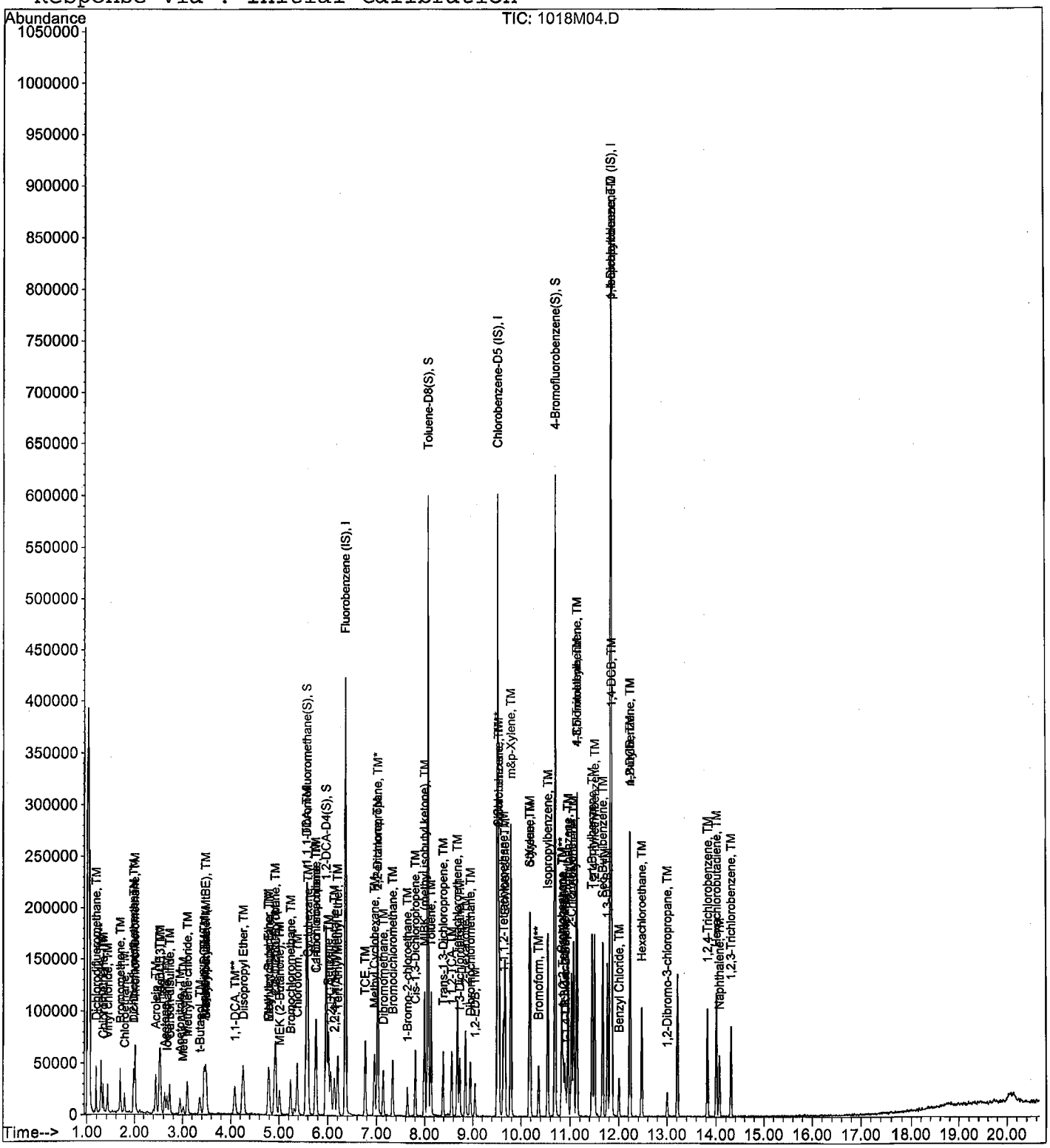
Data File : M:\MAX\DATA\211015\1018M04.D
Acq On : 18 Oct 21 15:43
Sample : 211018A LCSD 10ug/L
Misc : IS&S 8/4/21

Vial: 4
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Oct 28 13:51 2021

Quant Results File: M1015W.RES

Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 14:01:48 2021
Response via : Initial Calibration

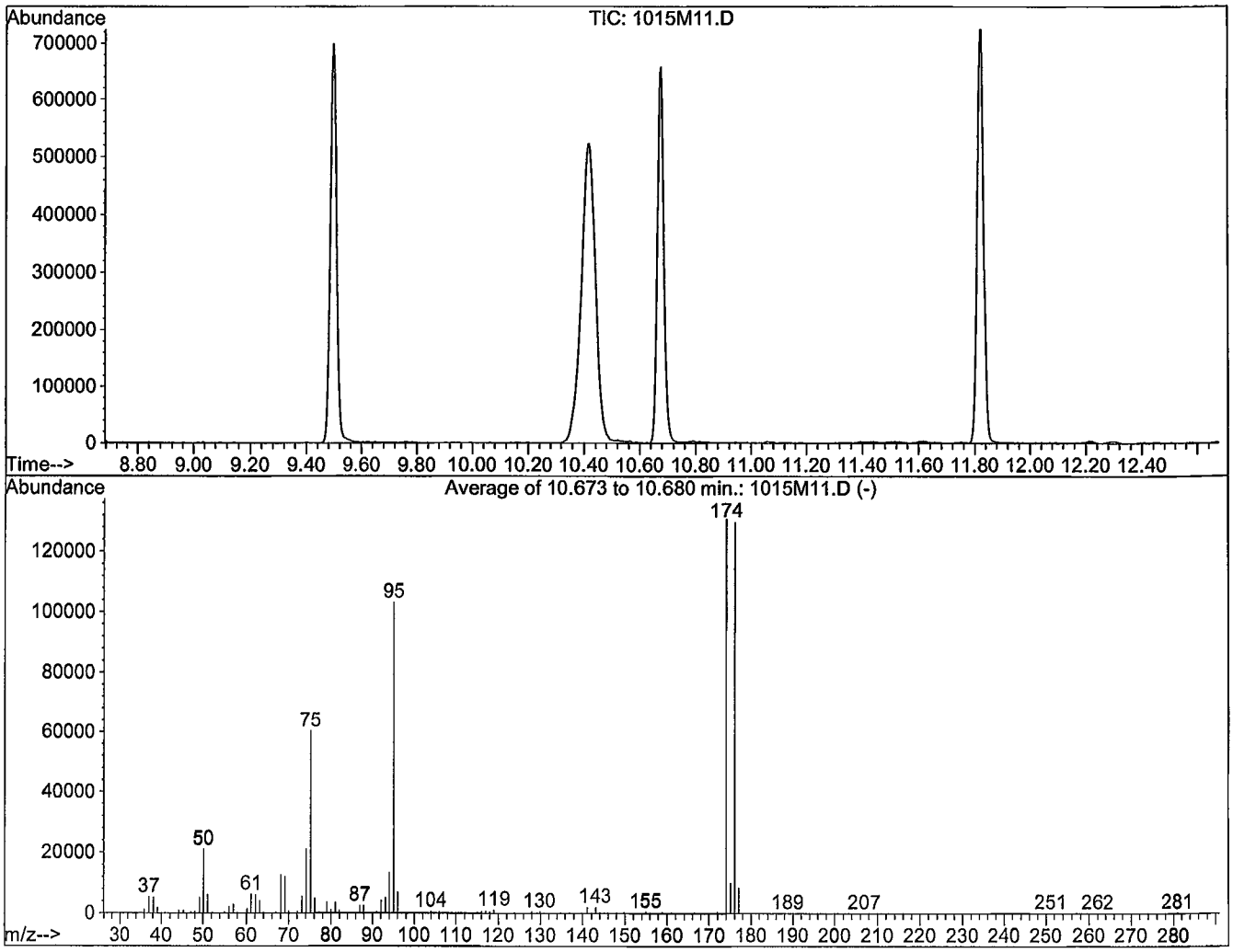


BFB

Data File : M:\MAX\DATA\211015\1015M11.D
Acq On : 15 Oct 21 14:44
Sample : 25ug/L BFB STD 9/23/21
Misc : IS&S 8/4/21

Vial: 1
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B



AutoFind: Scans 3033, 3034, 3035; Background Corrected with Scan 3020

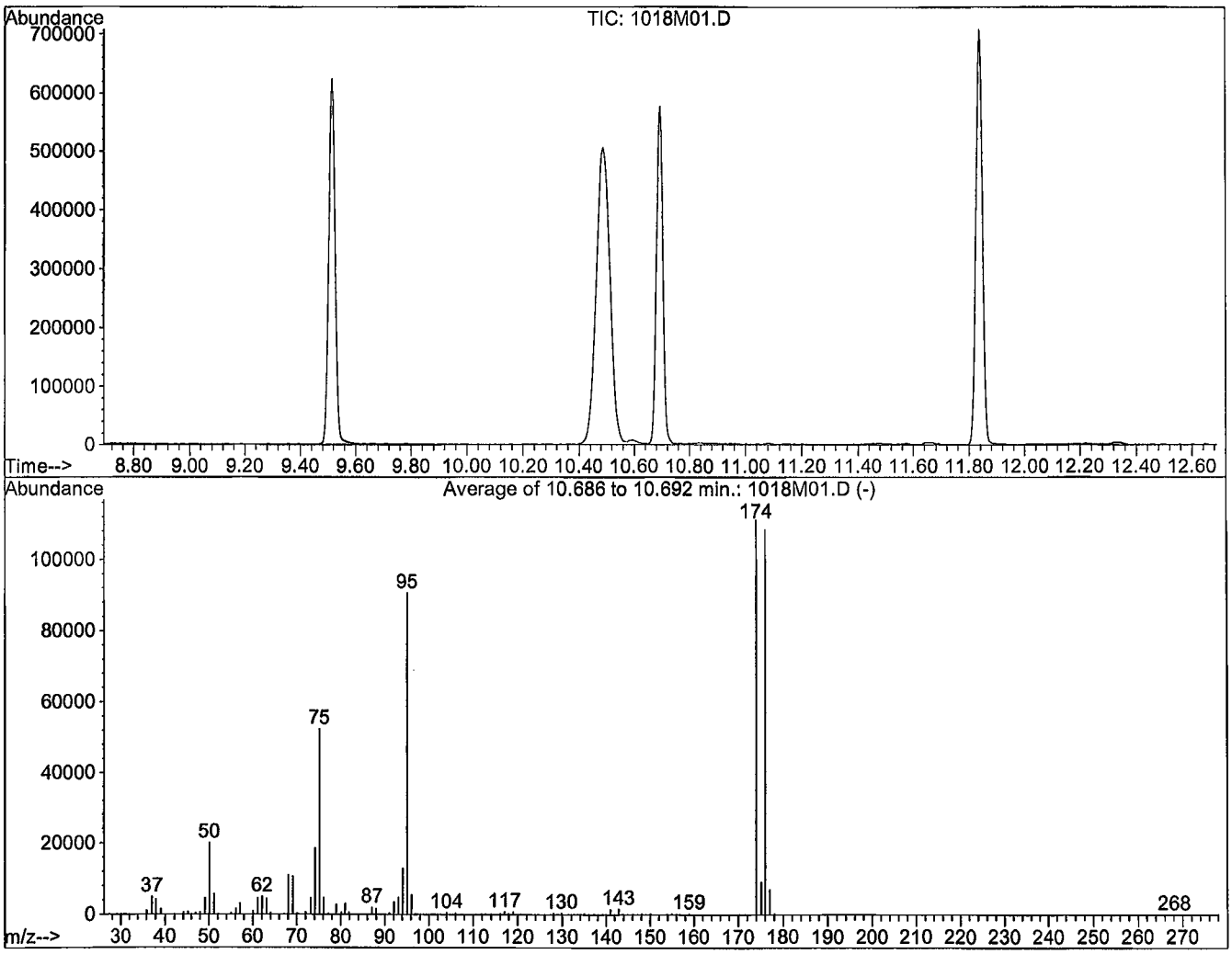
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	20.4	21096	PASS
75	95	30	60	58.4	60299	PASS
95	95	100	200	100.0	103195	PASS
96	95	5	9	6.7	6920	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	200	126.6	130632	PASS
175	174	5	9	7.7	10037	PASS
176	174	95	101	99.1	129467	PASS
177	176	5	9	6.5	8355	PASS

BFB

Data File : M:\MAX\DATA\211015\1018M01.D
Acq On : 18 Oct 21 14:18
Sample : 25ug/L BFB STD 9/23/21
Misc : IS&S 8/4/21

Vial: 1
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B



AutoFind: Scans 3037, 3038, 3039; Background Corrected with Scan 3024

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	22.2	20091	PASS
75	95	30	60	57.8	52429	PASS
95	95	100	200	100.0	90656	PASS
96	95	5	9	6.1	5518	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	200	122.7	111213	PASS
175	174	5	9	8.2	9094	PASS
176	174	95	101	97.5	108437	PASS
177	176	5	9	6.6	7142	PASS

Injection Log

Directory: M:\MAX\DATA\211015\

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	1	1015M11.D	1	25ug/L BFB STD 9/23/21	IS&S 8/4/21	15 Oct 21 14:44
2	2	1015M12.D	1	0.3ug/L VOC STD 10/15/21	IS&S 8/4/21	15 Oct 21 15:12
3	3	1015M13.D	1	0.5ug/L VOC STD 10/15/21	IS&S 8/4/21	15 Oct 21 15:41
4	4	1015M14.D	1	1ug/L VOC STD 10/15/21	IS&S 8/4/21	15 Oct 21 16:09
5	5	1015M15.D	1	2ug/L VOC STD 10/15/21	IS&S 8/4/21	15 Oct 21 16:38
6	6	1015M16.D	1	5ug/L VOC STD 10/15/21	IS&S 8/4/21	15 Oct 21 17:06
7	7	1015M17.D	1	10ug/L VOC STD 10/15/21	IS&S 8/4/21	15 Oct 21 17:35
8	8	1015M18.D	1	20ug/L VOC STD 10/15/21	IS&S 8/4/21	15 Oct 21 18:03
9	9	1015M19.D	1	40ug/L VOC STD 10/15/21	IS&S 8/4/21	15 Oct 21 18:31
10	10	1015M20.D	1	100ug/L VOC STD 10/15/21	IS&S 8/4/21	15 Oct 21 19:00
11	11	1015M21.D	1	25ug/L BFB STD 9/23/21	IS&S 8/4/21	15 Oct 21 19:28
12	12	1015M22.D	1	(SS) 10ug/L VOC STD 10/15/21	IS&S 8/4/21	15 Oct 21 19:57
13	1	1018M01.D	1	25ug/L BFB STD 9/23/21	IS&S 8/4/21	18 Oct 21 14:18
14	2	1018M02.D	1	211018A CCV 10ug/L	IS&S 8/4/21	18 Oct 21 14:46
15	3	1018M03.D	1	211018A LCS 10ug/L	IS&S 8/4/21	18 Oct 21 15:15
16	4	1018M04.D	1	211018A LCSD 10ug/L	IS&S 8/4/21	18 Oct 21 15:43
17	8	1018M08.D	1	211018A BLK	IS&S 8/4/21	18 Oct 21 17:36
18	19	1018M19.D	1	BA43144W01	IS&S 8/4/21	18 Oct 21 22:48
19	20	1018M20.D	1	BA43145W01	IS&S 8/4/21	18 Oct 21 23:17
20	21	1018M21.D	1	BA43146W01	IS&S 8/4/21	18 Oct 21 23:45
21	22	1018M22.D	1	BA43147W01	IS&S 8/4/21	19 Oct 21 00:13
22	23	1018M23.D	1	BA43148W01	IS&S 8/4/21	19 Oct 21 00:41
23	24	1018M24.D	1	BA43149W01	IS&S 8/4/21	19 Oct 21 1:10
24	25	1018M25.D	1	BA43150W01	IS&S 8/4/21	19 Oct 21 1:38
25	26	1018M26.D	1	BA43151W01	IS&S 8/4/21	19 Oct 21 2:06
26	27	1018M27.D	1	Ending CCV 10ug/L 10/18/21	IS&S 8/4/21	19 Oct 21 2:35

ORGANICS
Calibration Data

VOLATILE ORGANIC ANALYSIS
VOLATILE ORGANIC COMPOUNDS

Form 6
Initial Calibration

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

SDG No:
Initial Cal. Date: 8/25/2021
Instrument: Max

Initials:

		Compound	1	2	3	4	5	6	7				Avg	%RSD	Type	r^2	Q	MRF
			0825M23.D	0825M24.D	0825M25.D	0825M26.D	0825M27.D	0825M28.D	0825M29.D									
1	I	Fluorobenzene (IS)																
2	TMHBL	Gasoline C6-C10	13.8	5.689	3.019	1.290	0.8206	0.7117	0.6349				3.7	130	TMHB	0.999		
3	TMHB	Chlorobenzene-D5 (IS)																
4	TMHB	1,4-Dichlorobenzene (IS)																
5																		
6																		
7																		
8																		
9																		
10																		
11																		
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Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\210825\0825M23.D Vial: 13
Acq On : 25 Aug 21 20:23 Operator: LP,DG,CH
Sample : 20ug/L GAS STD 8/25/21 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Aug 26 16:15 2021 Quant Results File: MGAS0825.RES

Quant Method : M:\MAX\DATA\210825\MGAS0825.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 16:13:10 2021
Response via : Initial Calibration
DataAcq Meth : M8260_081021

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.21	TIC	284811	25.00	ppb	0.00
3) Chlorobenzene-D5 (IS)	11.75	TIC	236410m	25.00	ppb	0.00
4) 1,4-Dichlorobenzene (IS)	10.94	TIC	14670m	25.00	ppb	0.00
System Monitoring Compounds						
Target Compounds						Qvalue
2) Gasoline C6-C10	7.95	TIC	3136582m	38.03	ppb	100

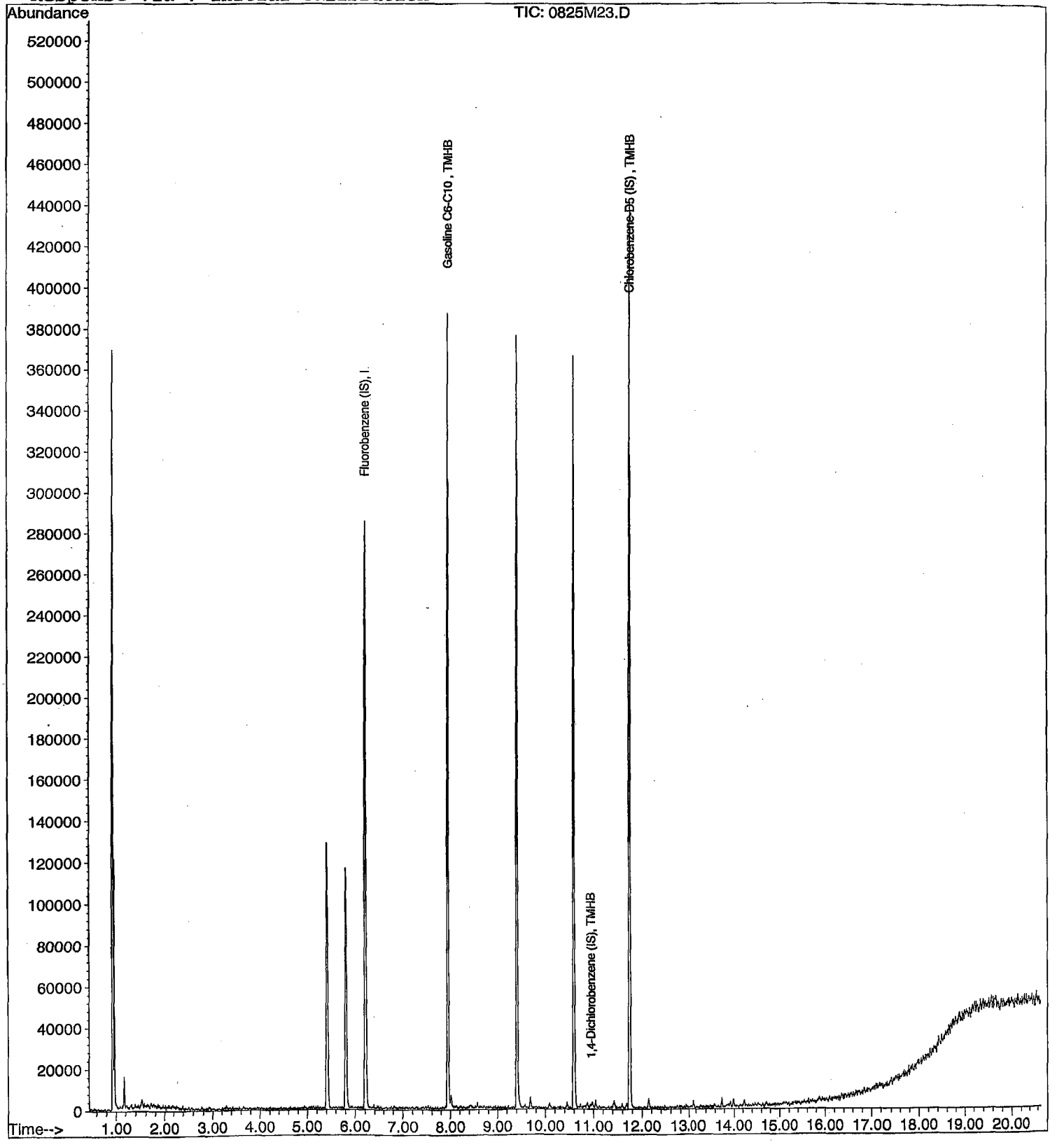
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\MAX\DATA\210825\0825M23.D Vial: 13
Acq On : 25 Aug 21 20:23 Operator: LP,DG,CH
Sample : 20ug/L GAS STD 8/25/21 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Aug 26 16:15 2021 Quant Results File: MGAS0825.RES

Method : M:\MAX\DATA\210825\MGAS0825.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 16:19:36 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\210825\0825M24.D Vial: 14
Acq On : 25 Aug 21 20:51 Operator: LP,DG,CH
Sample : 50ug/L GAS STD 8/25/21 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Aug 26 16:15 2021 Quant Results File: MGAS0825.RES

Quant Method : M:\MAX\DATA\210825\MGAS0825.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 16:13:10 2021
Response via : Initial Calibration
DataAcq Meth : M8260_081021

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.21	TIC	285081	25.00	ppb	0.00
3) Chlorobenzene-D5 (IS)	11.75	TIC	248593m	25.00	ppb	0.00
4) 1,4-Dichlorobenzene (IS)	10.94	TIC	21251m	25.00	ppb	0.00
System Monitoring Compounds						
Target Compounds						Qvalue
2) Gasoline C6-C10	7.95	TIC	3243874m	61.97	ppb	100

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

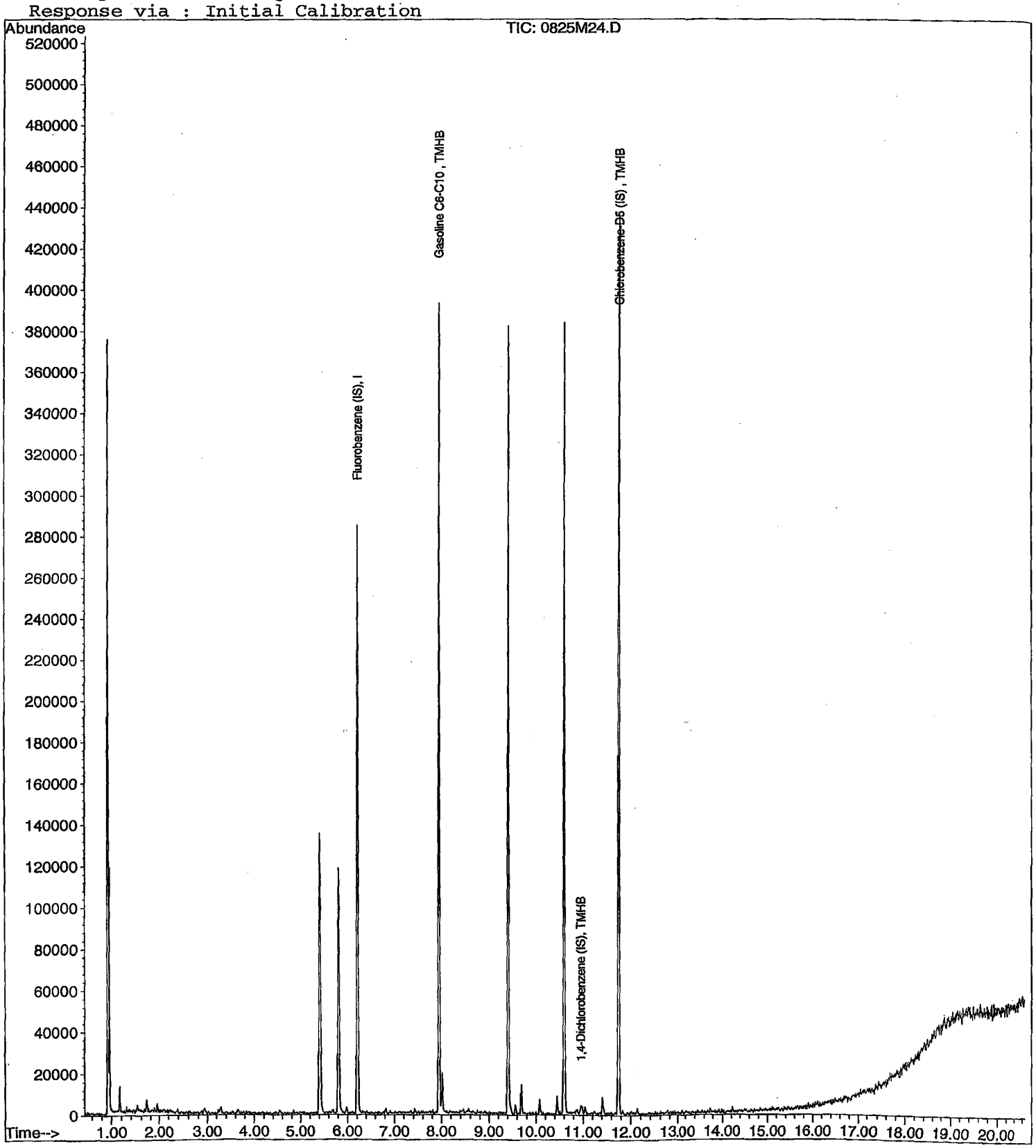
Quantitation Report

Data File : M:\MAX\DATA\210825\0825M24.D
Acq On : 25 Aug 21 20:51
Sample : 50ug/L GAS STD 8/25/21
Misc : IS&S 6/4/21

Vial: 14
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Aug 26 16:15 2021 Quant Results File: MGAS0825.RES

Method : M:\MAX\DATA\210825\MGAS0825.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 16:19:36 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\210825\0825M25.D Vial: 15
Acq On : 25 Aug 21 21:19 Operator: LP,DG,CH
Sample : 100ug/L GAS STD 8/25/21 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Aug 26 16:16 2021 Quant Results File: MGAS0825.RES

Quant Method : M:\MAX\DATA\210825\MGAS0825.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 16:13:10 2021
Response via : Initial Calibration
DataAcq Meth : M8260_081021

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	6.21	TIC	286586	25.00 ppb	0.00
3) Chlorobenzene-D5 (IS)	11.75	TIC	245880m	25.00 ppb	0.00
4) 1,4-Dichlorobenzene (IS)	10.94	TIC	32801m	25.00 ppb	0.00
System Monitoring Compounds					
Target Compounds					Qvalue
2) Gasoline C6-C10	7.95	TIC	3460677m	107.56 ppb	100

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

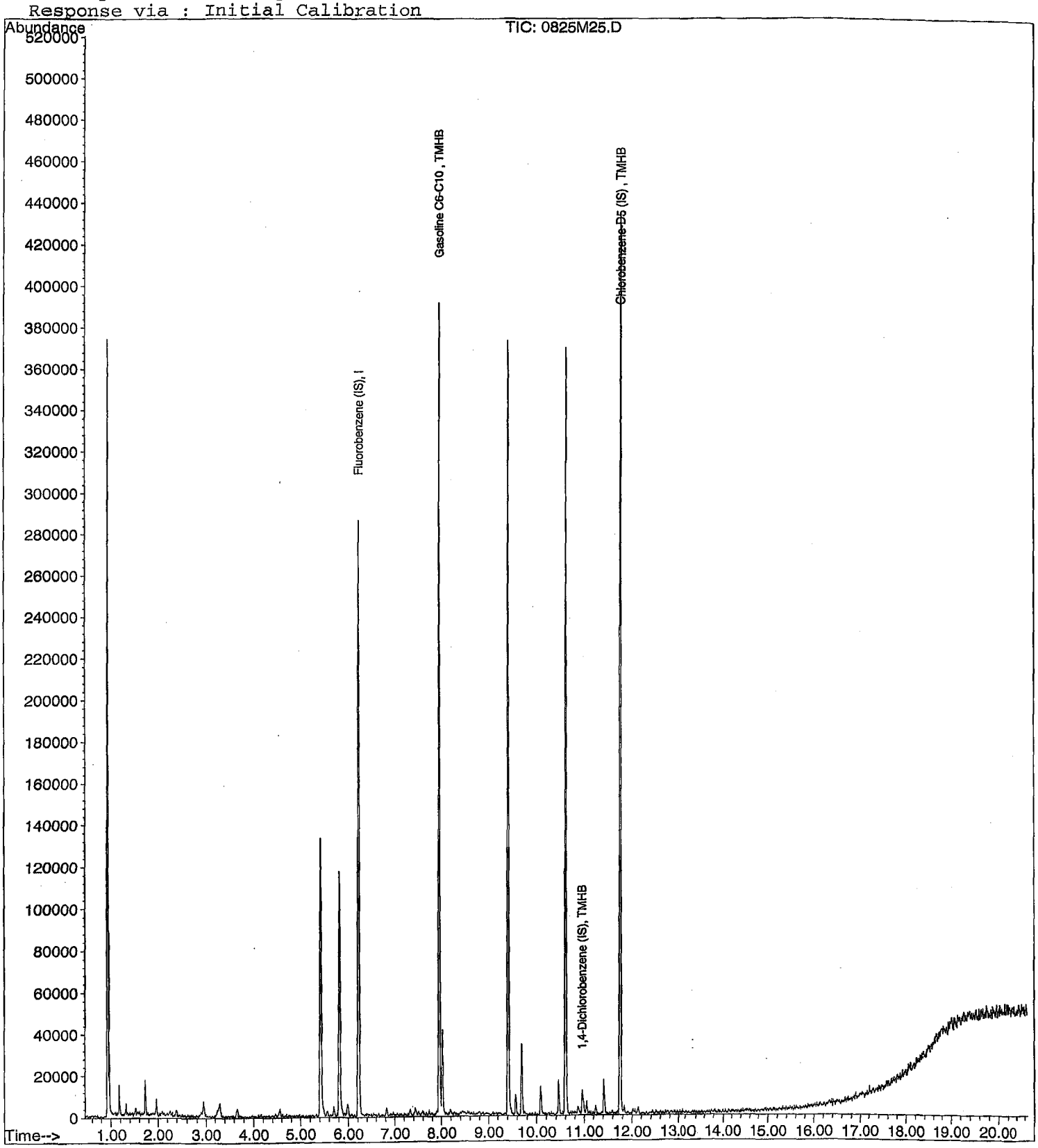
Quantitation Report

Data File : M:\MAX\DATA\210825\0825M25.D
Acq On : 25 Aug 21 21:19
Sample : 100ug/L GAS STD 8/25/21
Misc : IS&S 6/4/21

Vial: 15
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Aug 26 16:16 2021 Quant Results File: MGAS0825.RES

Method : M:\MAX\DATA\210825\MGAS0825.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 16:19:36 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\210825\0825M26.D
Acq On : 25 Aug 21 21:47
Sample : 300ug/L GAS STD 8/25/21
Misc : IS&S 6/4/21

Vial: 16
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Aug 26 16:16 2021 Quant Results File: MGAS0825.RES

Quant Method : M:\MAX\DATA\210825\MGAS0825.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 16:13:10 2021
Response via : Initial Calibration
DataAcq Meth : M8260_081021

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	6.21	TIC	280163	25.00 ppb	0.00
3) Chlorobenzene-D5 (IS)	11.75	TIC	264646m	25.00 ppb	0.00
4) 1,4-Dichlorobenzene (IS)	10.94	TIC	87973m	25.00 ppb	0.00
System Monitoring Compounds					
Target Compounds					Qvalue
2) Gasoline C6-C10	7.95	TIC	4335414m	329.97 ppb	100

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

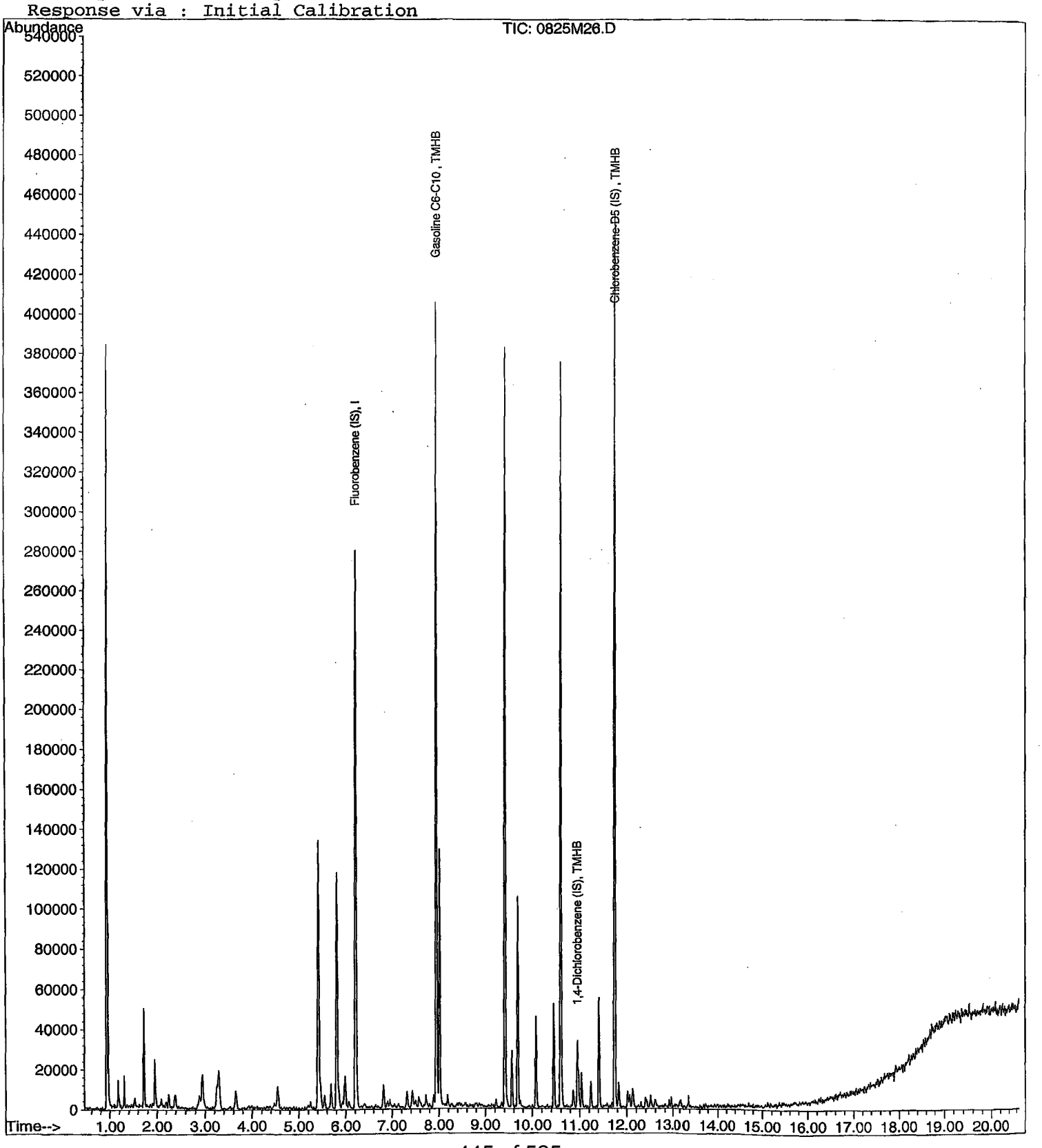
Quantitation Report

Data File : M:\MAX\DATA\210825\0825M26.D
Acq On : 25 Aug 21 21:47
Sample : 300ug/L GAS STD 8/25/21
Misc : IS&S 6/4/21

Vial: 16
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Aug 26 16:16 2021 Quant Results File: MGAS0825.RES

Method : M:\MAX\DATA\210825\MGAS0825.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 16:19:36 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\210825\0825M27.D Vial: 17
Acq On : 25 Aug 21 22:14 Operator: LP,DG,CH
Sample : 600ug/L GAS STD 8/25/21 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Aug 26 16:18 2021 Quant Results File: MGAS0825.RES

Quant Method : M:\MAX\DATA\210825\MGAS0825.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 16:13:10 2021
Response via : Initial Calibration
DataAcq Meth : M8260_081021

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	6.21	TIC	283991	25.00 ppb	0.00
3) Chlorobenzene-D5 (IS)	11.75	TIC	290103m	25.00 ppb	0.00
4) 1,4-Dichlorobenzene (IS)	10.94	TIC	180429m	25.00 ppb	0.00
System Monitoring Compounds					
Target Compounds					Qvalue
2) Gasoline C6-C10	7.95	TIC	5593097m	606.10 ppb	100

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

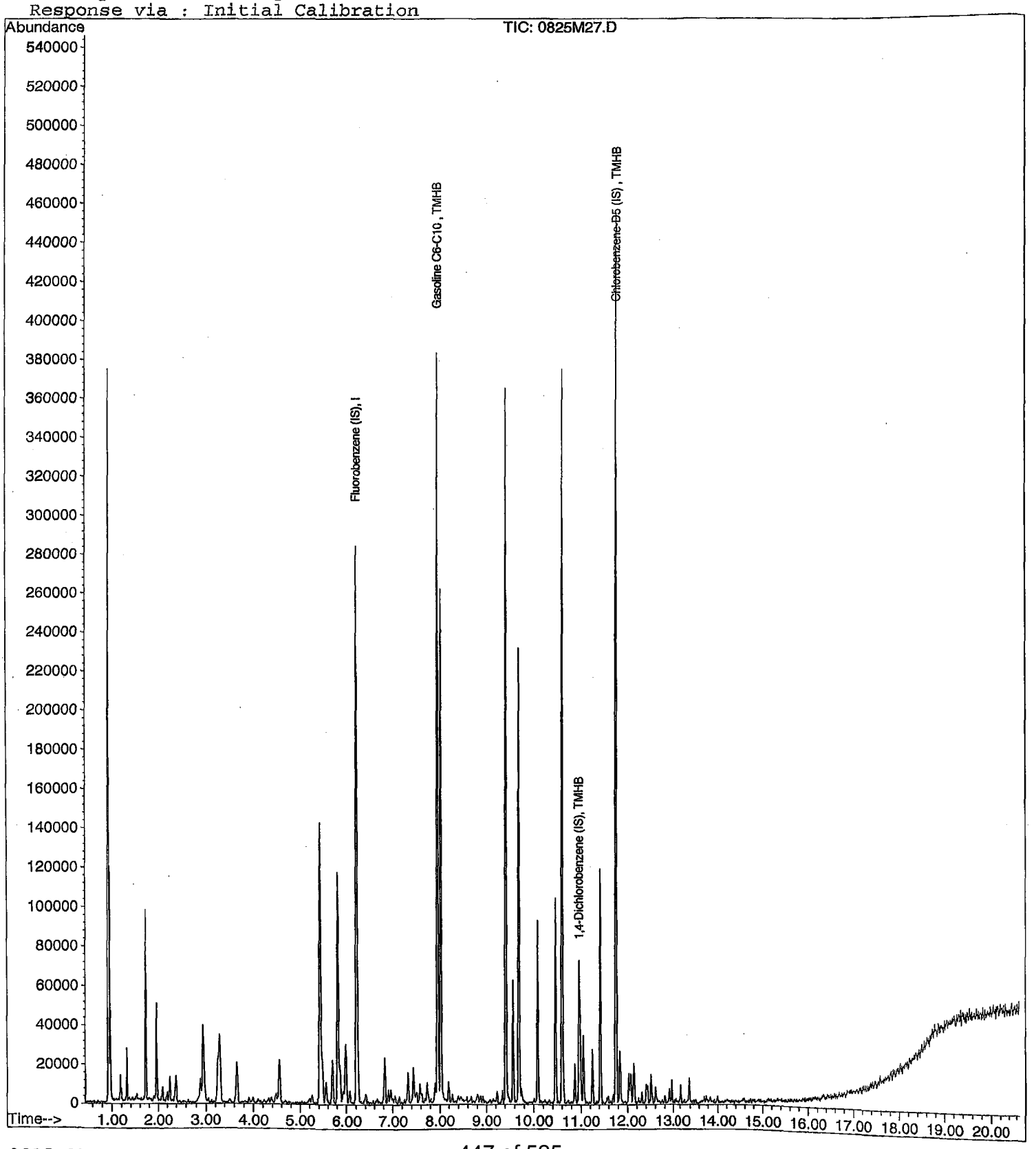
Quantitation Report

Data File : M:\MAX\DATA\210825\0825M27.D
Acq On : 25 Aug 21 22:14
Sample : 600ug/L GAS STD 8/25/21
Misc : IS&S 6/4/21

Vial: 17
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Aug 26 16:18 2021 Quant Results File: MGAS0825.RES

Method : M:\MAX\DATA\210825\MGAS0825.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 16:19:36 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\210825\0825M28.D Vial: 18
Acq On : 25 Aug 21 22:42 Operator: LP,DG,CH
Sample : 800ug/L GAS STD 8/25/21 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Aug 26 16:18 2021 Quant Results File: MGAS0825.RES

Quant Method : M:\MAX\DATA\210825\MGAS0825.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 16:13:10 2021
Response via : Initial Calibration
DataAcq Meth : M8260_081021

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.21	TIC	288929	25.00	ppb	0.00
3) Chlorobenzene-D5 (IS)	11.75	TIC	313031m	25.00	ppb	0.00
4) 1,4-Dichlorobenzene (IS)	10.94	TIC	240514m	25.00	ppb	0.00
System Monitoring Compounds						
Target Compounds						Qvalue
2) Gasoline C6-C10	7.95	TIC	6580092m	807.60	ppb	100

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

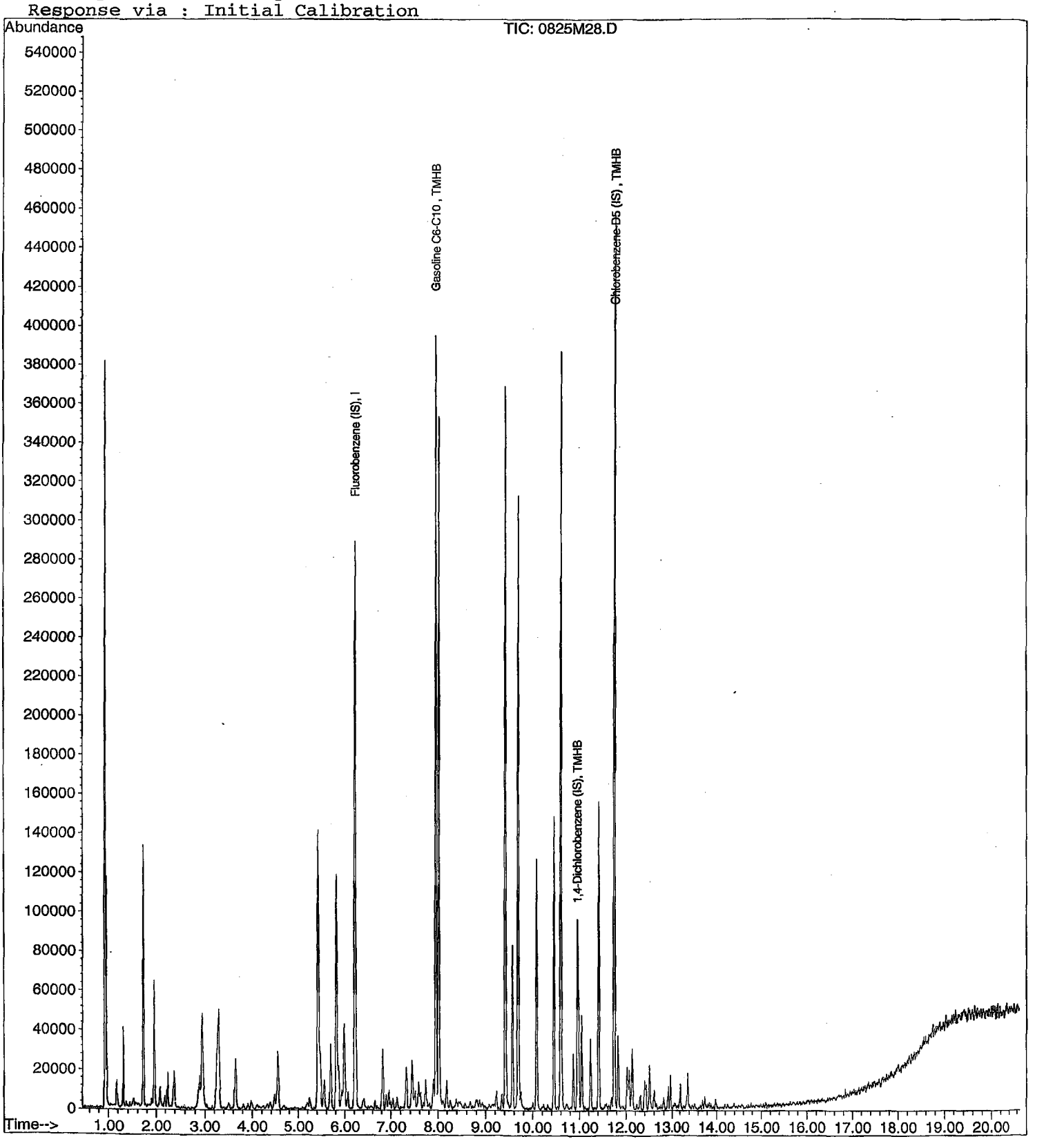
Quantitation Report

Data File : M:\MAX\DATA\210825\0825M28.D
Acq On : 25 Aug 21 22:42
Sample : 800ug/L GAS STD 8/25/21
Misc : IS&S 6/4/21

Vial: 18
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Aug 26 16:18 2021 Quant Results File: MGAS0825.RES

Method : M:\MAX\DATA\210825\MGAS0825.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 16:19:36 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\210825\0825M29.D Vial: 19
Acq On : 25 Aug 21 23:10 Operator: LP,DG,CH
Sample : 1000ug/L GAS STD 8/25/21 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Aug 26 16:19 2021 Quant Results File: MGAS0825.RES

Quant Method : M:\MAX\DATA\210825\MGAS0825.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 16:13:10 2021
Response via : Initial Calibration
DataAcq Meth : M8260_081021

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.21	TIC	286598	25.00	ppb	0.00
3) Chlorobenzene-D5 (IS)	11.75	TIC	331346m	25.00	ppb	0.00
4) 1,4-Dichlorobenzene (IS)	10.94	TIC	289883m	25.00	ppb	0.00
System Monitoring Compounds						
Target Compounds						Qvalue
2) Gasoline C6-C10	8.02	TIC	7278206m	979.10	ppb	100

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

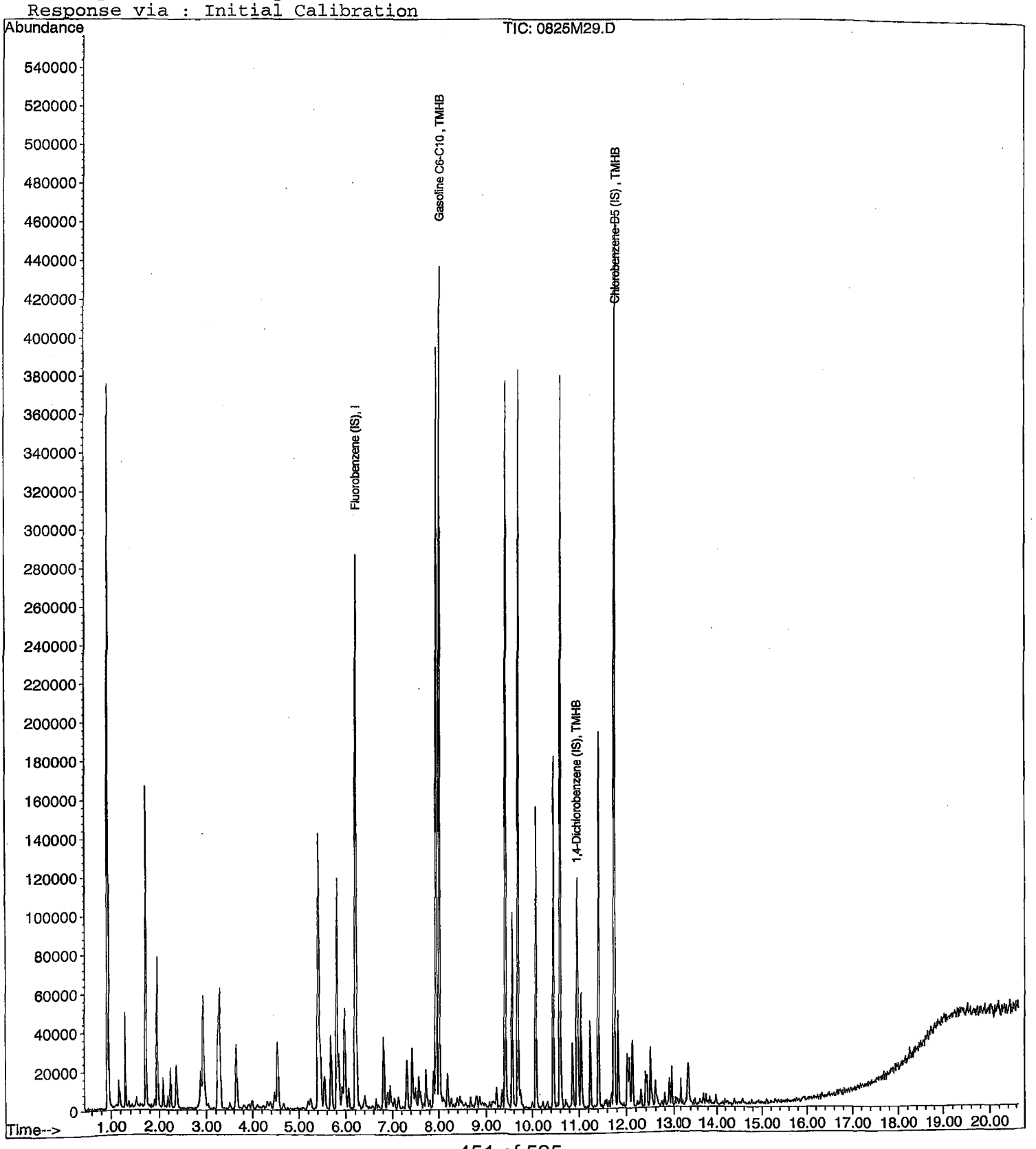
Quantitation Report

Data File : M:\MAX\DATA\210825\0825M29.D
Acq On : 25 Aug 21 23:10
Sample : 1000ug/L GAS STD 8/25/21
Misc : IS&S 6/4/21

Vial: 19
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Aug 26 16:19 2021 Quant Results File: MGAS0825.RES

Method : M:\MAX\DATA\210825\MGAS0825.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 16:19:36 2021
Response via : Initial Calibration



VOLATILE ORGANIC ANALYSIS
VOLATILE ORGANIC COMPOUNDS

Form 7

Second Source Calibration

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

SDG No:
Date Analyzed: 8/26/2021
Instrument: Max
Initial Cal. Date: 8/25/2021
Data File: 0825M31.D

		Compound	MEAN	CCRF	%D	%Drift	
1	TMHB	Gasoline C6-C10	3.704	1.312	65	TMHBL	12
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
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31							
32							
33							
34							
35							
36							
37							
38							
39							
40							
		Average			65.0		

Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\210825\0825M31.D Vial: 21
Acq On : 26 Aug 21 00:06 Operator: LP,DG,CH
Sample : (SS) 300ug/L GAS STD 8/25/21 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Sep 1 8:52 2021 Quant Results File: MGAS0825.RES

Quant Method : M:\MAX\DATA\210825\MGAS0825.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 16:19:36 2021
Response via : Initial Calibration
DataAcq Meth : M8260_081021

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.21	TIC	283312	25.00	ppb	0.00
3) Chlorobenzene-D5 (IS)	11.75	TIC	277458m	25.00	ppb	0.00
4) 1,4-Dichlorobenzene (IS)	10.94	TIC	112772m	25.00	ppb	0.00
System Monitoring Compounds						
Target Compounds						Qvalue
2) Gasoline C6-C10	7.95	TIC	4459802m	336.84	ppb	100

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

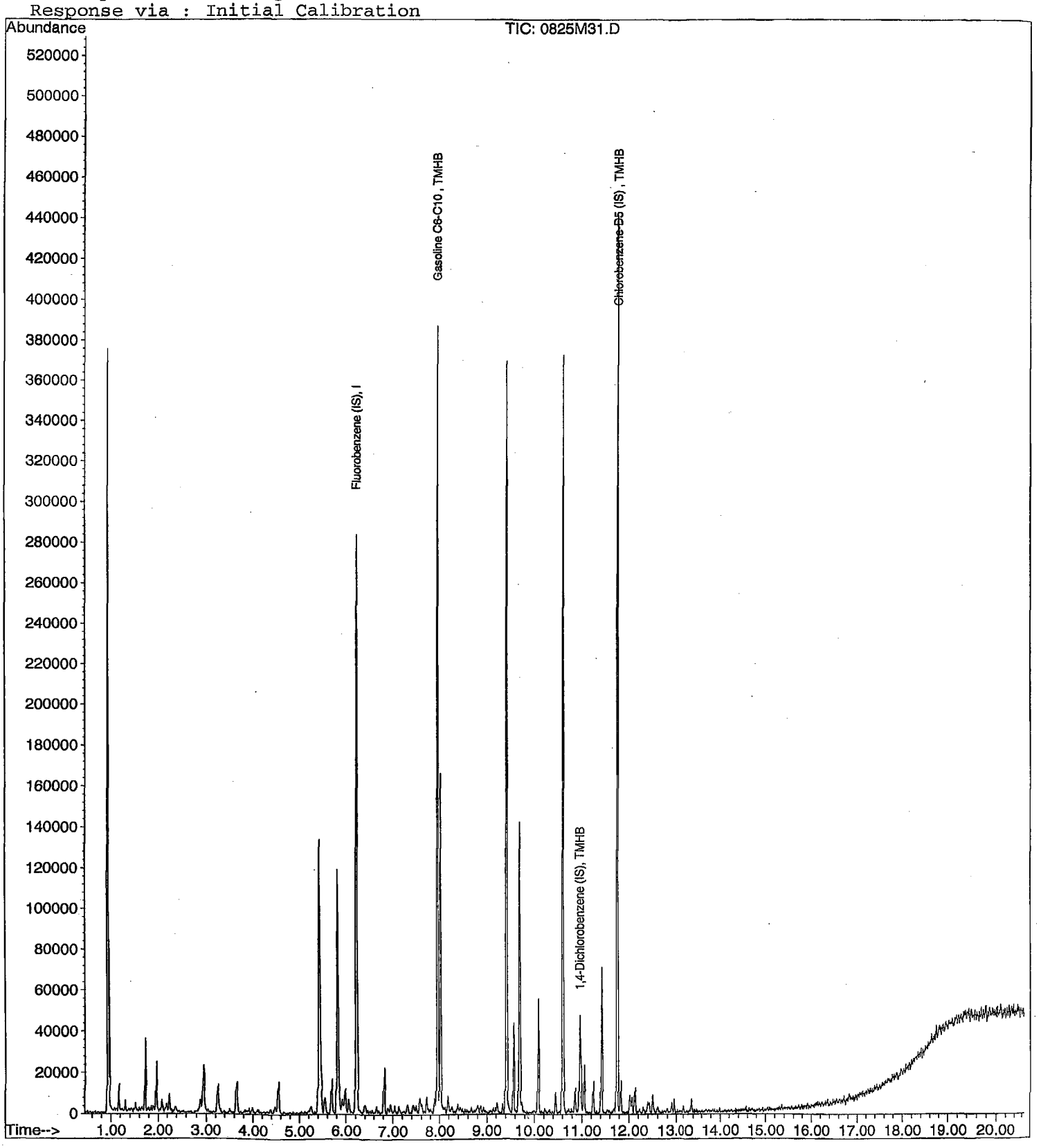
Quantitation Report

Data File : M:\MAX\DATA\210825\0825M31.D
Acq On : 26 Aug 21 00:06
Sample : (SS) 300ug/L GAS STD 8/25/21
Misc : IS&S 6/4/21

Vial: 21
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Sep 1 8:52 2021 Quant Results File: MGAS0825.RES

Method : M:\MAX\DATA\210825\MGAS0825.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 16:19:36 2021
Response via : Initial Calibration



VOLATILE ORGANIC ANALYSIS BY
EPA METHOD 8260B

Form 6
Initial Calibration

Lab Name: APPL, Inc. SDG No:
Case No: Initial Cal. Date: 8/25/2021
Matrix: Instrument: Max Initials:

		Compound	1	2	3	4	5	6	7	8	9		Avg	%RSD	Type	r^2	Q	MRF
			0825M12.D	0825M13.D	0825M14.D	0825M15.D	0825M16.D	0825M17.D	0825M18.D	0825M19.D	0825M20.D							
1	I	Fluorobenzene (IS)																
2	S	Dibromofluoromethane(S)	0.3523	0.3417	0.2807	0.2859	0.2870	0.2956	0.2984	0.3009	0.2709		0.30	9.1	S			
3	S	1,2-DCA-D4(S)	0.2194	0.2154	0.1883	0.1930	0.1953	0.1908	0.1985	0.2034	0.1791		0.20	6.5	S			
4	I	Chlorobenzene-D5 (IS)																
5	S	Toluene-D8(S)	1.390	1.326	1.153	1.099	1.153	1.163	1.121	1.122	1.024		1.2	9.8	S			
6	S	4-Bromofluorobenzene(S)	0.5362	0.5171	0.4075	0.4294	0.4615	0.4643	0.4388	0.4514	0.4103		0.46	9.7	S			
7	I	1,4-Dichlorobenzene-D (IS)																
8																		
9																		
10																		
11																		
12																		
13																		
14																		
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34																		
35																		

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\210825\0825M12.D Vial: 2
Acq On : 25 Aug 21 15:15 Operator: LP,DG,CH
Sample : 0.3ug/L VOC STD 8/25/21 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Aug 26 16:25 2021 Quant Results File: M0825SUR.RES

Quant Method : M:\MAX\DATA\210825\M0825SUR.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 11:16:48 2021
Response via : Initial Calibration
DataAcq Meth : M8260_081021

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.21	96	268418	25.00	ppb	0.00
4) Chlorobenzene-D5 (IS)	9.41	117	221472	25.00	ppb	0.00
7) 1,4-Dichlorobenzene-D (IS)	11.75	152	137587	25.00	ppb	0.00
System Monitoring Compounds						
2) Dibromofluoromethane(S)	5.41	111	18913	5.84	ppb	0.00
Spiked Amount 25.000			Recovery =	23.372%		
3) 1,2-DCA-D4(S)	5.81	65	11779	5.54	ppb	0.00
Spiked Amount 25.000			Recovery =	22.148%		
5) Toluene-D8(S)	7.95	98	61590	5.93	ppb	0.00
Spiked Amount 25.000			Recovery =	23.720%		
6) 4-Bromofluorobenzene(S)	10.60	95	23749	5.86	ppb	0.00
Spiked Amount 25.000			Recovery =	23.444%		

Target Compounds Qvalue

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

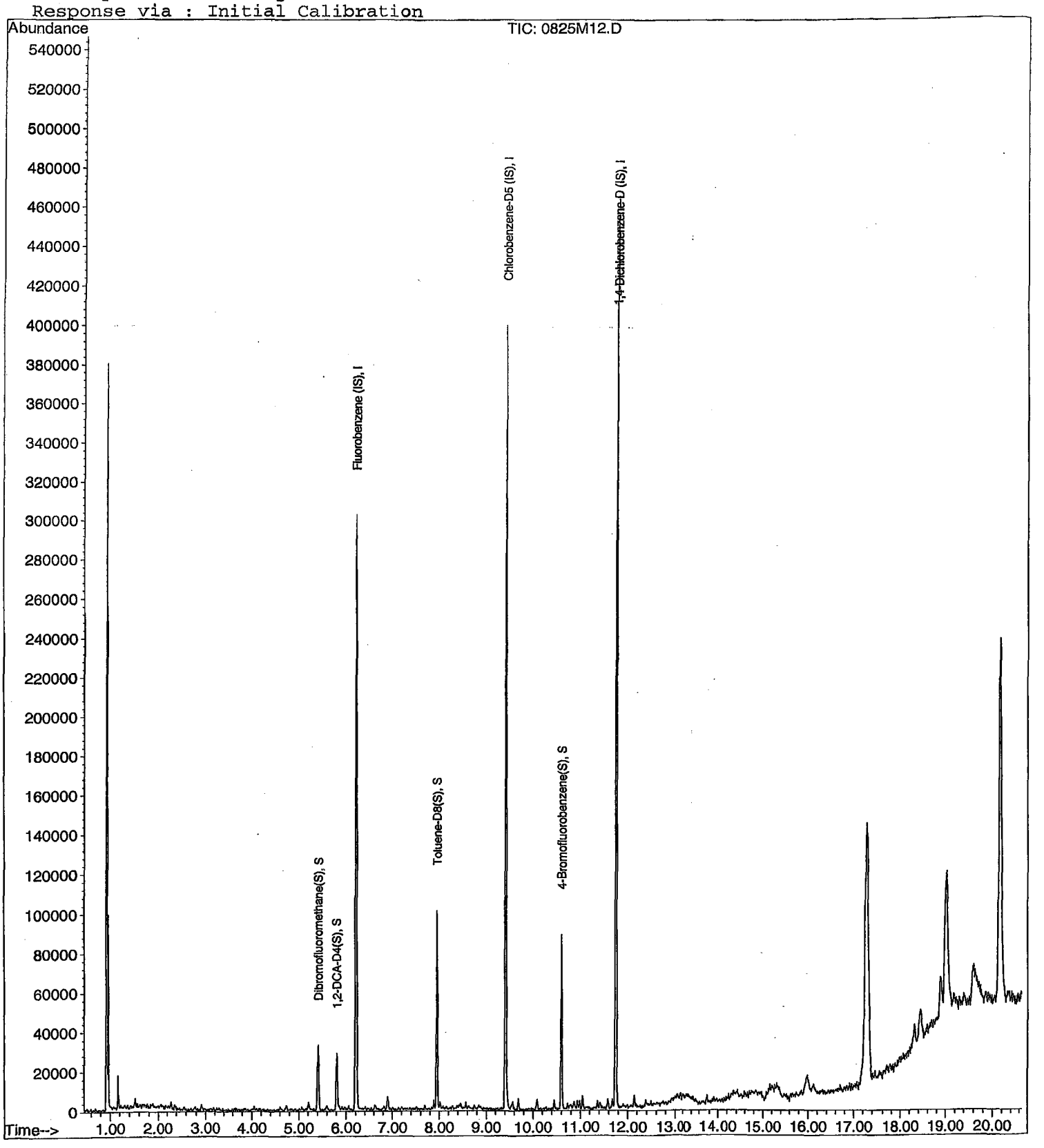
Quantitation Report

Data File : M:\MAX\DATA\210825\0825M12.D
Acq On : 25 Aug 21 15:15
Sample : 0.3ug/L VOC STD 8/25/21
Misc : IS&S 6/4/21

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

Quant Time: Aug 26 16:25 2021 Quant Results File: M0825SUR.RES

Method : M:\MAX\DATA\210825\M0825SUR.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 11:16:48 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\210825\0825M13.D Vial: 3
Acq On : 25 Aug 21 15:43 Operator: LP,DG,CH
Sample : 0.5ug/L VOC STD 8/25/21 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Aug 26 16:25 2021 Quant Results File: M0825SUR.RES

Quant Method : M:\MAX\DATA\210825\M0825SUR.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 11:16:48 2021
Response via : Initial Calibration
DataAcq Meth : M8260_081021

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.21	96	270425	25.00	ppb	0.00
4) Chlorobenzene-D5 (IS)	9.41	117	226950	25.00	ppb	0.00
7) 1,4-Dichlorobenzene-D (IS)	11.75	152	138629	25.00	ppb	0.00
System Monitoring Compounds						
2) Dibromofluoromethane(S)	5.42	111	18480	5.67	ppb	0.00
Spiked Amount 25.000			Recovery =	22.664%		
3) 1,2-DCA-D4(S)	5.81	65	11650	5.44	ppb	0.00
Spiked Amount 25.000			Recovery =	21.744%		
5) Toluene-D8(S)	7.95	98	60175	5.65	ppb	0.00
Spiked Amount 25.000			Recovery =	22.616%		
6) 4-Bromofluorobenzene(S)	10.60	95	23472	5.65	ppb	0.00
Spiked Amount 25.000			Recovery =	22.612%		

Target Compounds Qvalue

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

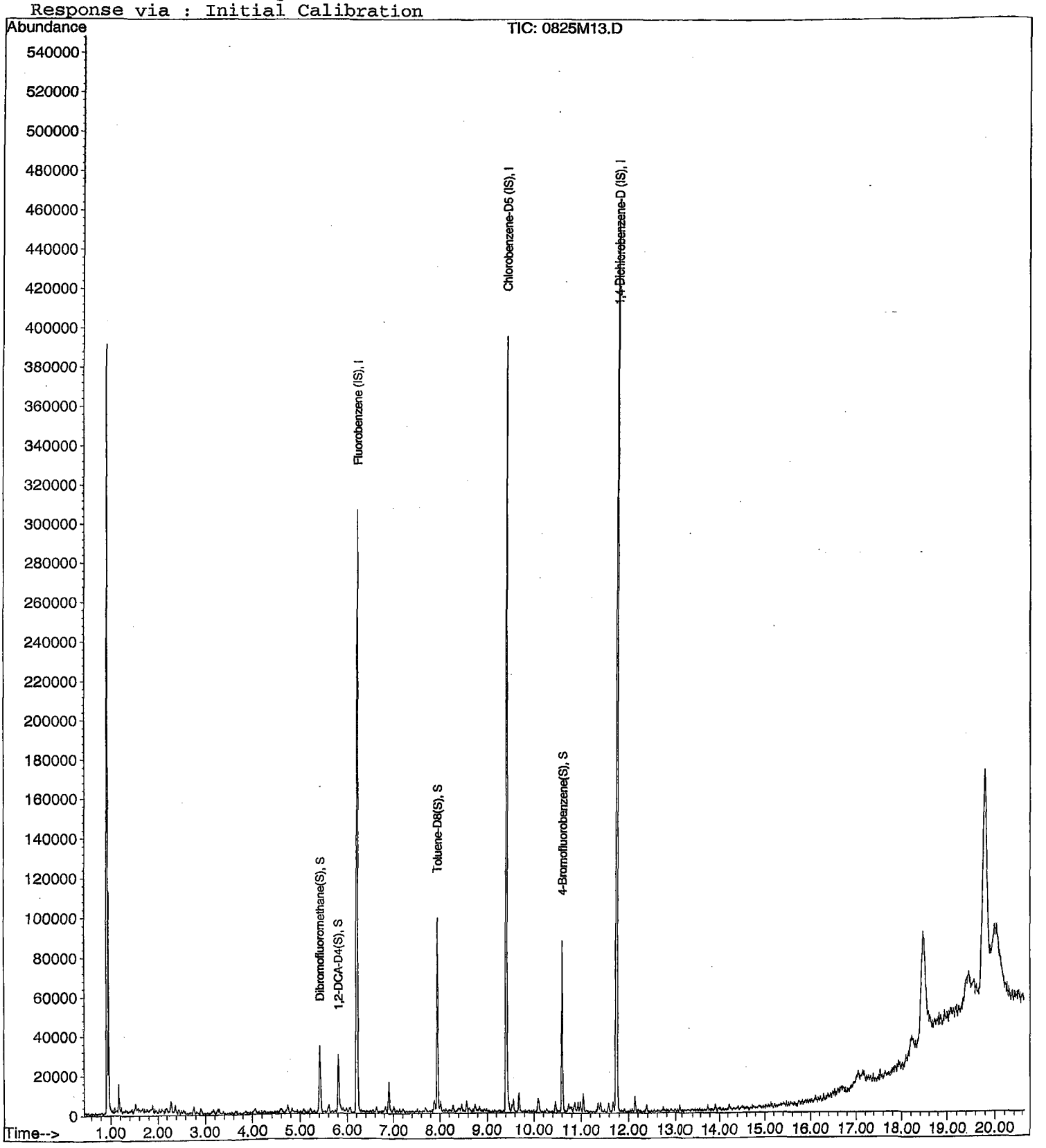
Quantitation Report

Data File : M:\MAX\DATA\210825\0825M13.D
Acq On : 25 Aug 21 15:43
Sample : 0.5ug/L VOC STD 8/25/21
Misc : IS&S 6/4/21

Vial: 3
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Aug 26 16:25 2021 Quant Results File: M0825SUR.RES

Method : M:\MAX\DATA\210825\M0825SUR.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 11:16:48 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\210825\0825M14.D Vial: 4
Acq On : 25 Aug 21 16:11 Operator: LP,DG,CH
Sample : 1ug/L VOC STD 8/25/21 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Aug 26 16:25 2021 Quant Results File: M0825SUR.RES

Quant Method : M:\MAX\DATA\210825\M0825SUR.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 11:16:48 2021
Response via : Initial Calibration
DataAcq Meth : M8260_081021

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	6.22	96	261019	25.00 ppb	0.00
4) Chlorobenzene-D5 (IS)	9.41	117	222702	25.00 ppb	0.00
7) 1,4-Dichlorobenzene-D (IS)	11.75	152	137225	25.00 ppb	0.00
System Monitoring Compounds					
2) Dibromofluoromethane(S)	5.41	111	29305	9.31 ppb	0.00
Spiked Amount 25.000			Recovery =	37.236%	
3) 1,2-DCA-D4(S)	5.81	65	19664	9.51 ppb	0.00
Spiked Amount 25.000			Recovery =	38.024%	
5) Toluene-D8(S)	7.95	98	102711	9.84 ppb	0.00
Spiked Amount 25.000			Recovery =	39.340%	
6) 4-Bromofluorobenzene(S)	10.60	95	36297	8.91 ppb	0.00
Spiked Amount 25.000			Recovery =	35.632%	

Target Compounds Qvalue

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

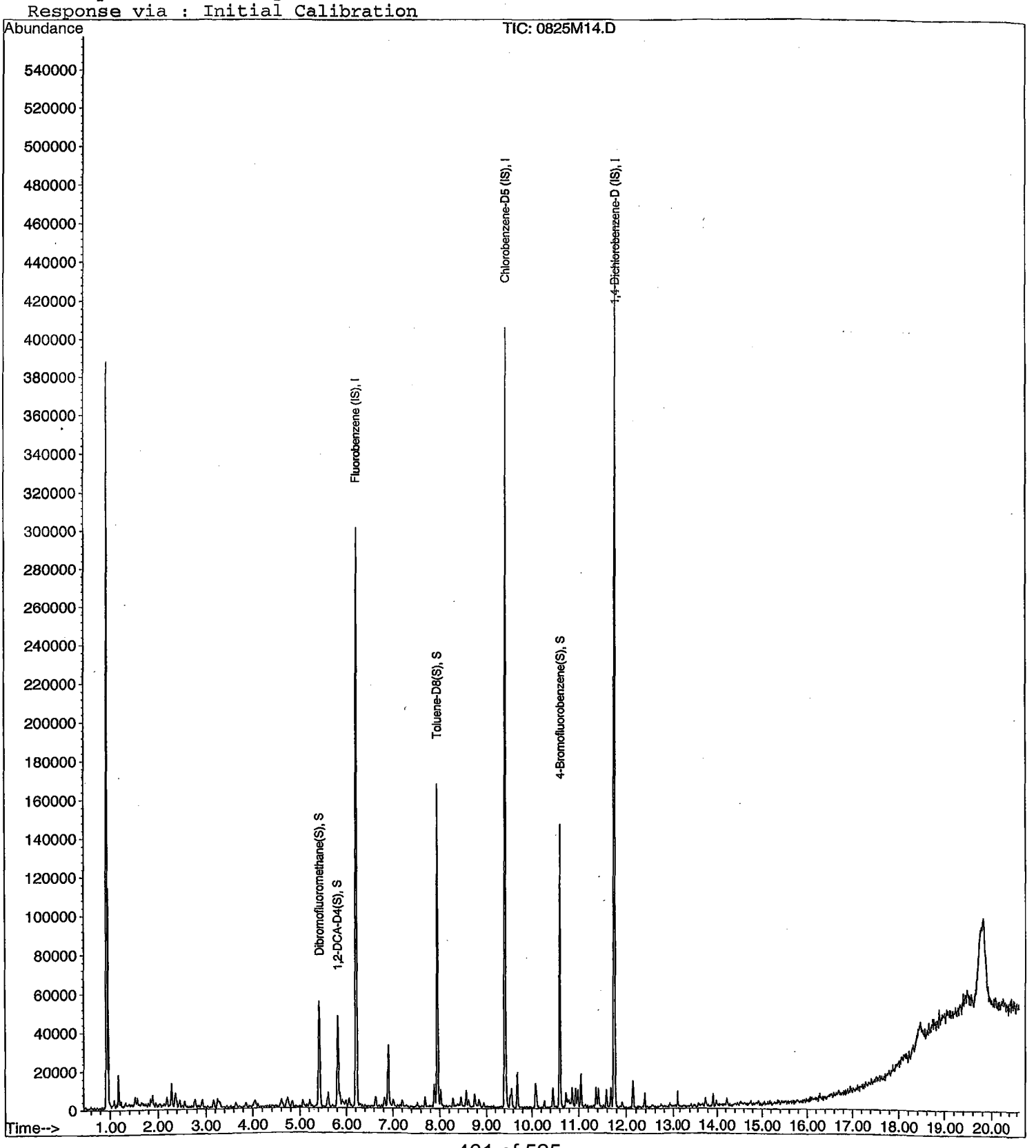
Quantitation Report

Data File : M:\MAX\DATA\210825\0825M14.D
Acq On : 25 Aug 21 16:11
Sample : 1ug/L VOC STD 8/25/21
Misc : IS&S 6/4/21

Vial: 4
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Aug 26 16:25 2021 Quant Results File: M0825SUR.RES

Method : M:\MAX\DATA\210825\M0825SUR.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 11:16:48 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\210825\0825M15.D Vial: 5
Acq On : 25 Aug 21 16:39 Operator: LP,DG,CH
Sample : 2ug/L VOC STD 8/25/21 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Aug 26 16:25 2021 Quant Results File: M0825SUR.RES

Quant Method : M:\MAX\DATA\210825\M0825SUR.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 11:16:48 2021
Response via : Initial Calibration
DataAcq Meth : M8260_081021

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	6.21	96	260699	25.00 ppb	0.00
4) Chlorobenzene-D5 (IS)	9.42	117	218570	25.00 ppb	0.00
7) 1,4-Dichlorobenzene-D (IS)	11.75	152	137104	25.00 ppb	0.00
System Monitoring Compounds					
2) Dibromofluoromethane(S)	5.41	111	29818	9.48 ppb	0.00
Spiked Amount 25.000			Recovery =	37.936%	
3) 1,2-DCA-D4(S)	5.82	65	20128	9.74 ppb	0.00
Spiked Amount 25.000			Recovery =	38.968%	
5) Toluene-D8(S)	7.95	98	96059	9.37 ppb	0.00
Spiked Amount 25.000			Recovery =	37.488%	
6) 4-Bromofluorobenzene(S)	10.60	95	37545	9.39 ppb	0.00
Spiked Amount 25.000			Recovery =	37.556%	

Target Compounds Qvalue

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

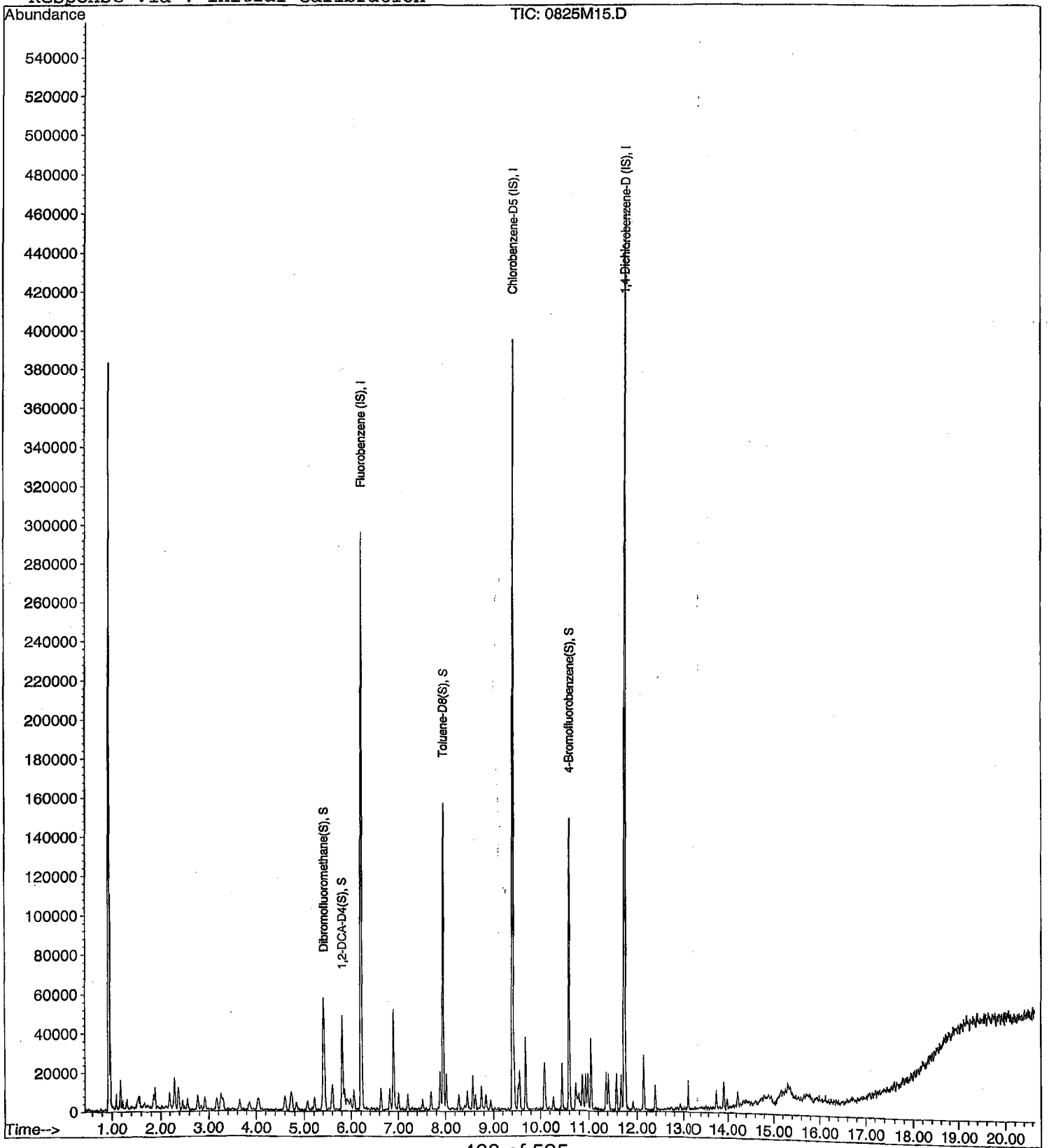
Quantitation Report

Data File : M:\MAX\DATA\210825\0825M15.D
Acq On : 25 Aug 21 16:39
Sample : 2ug/L VOC STD 8/25/21
Misc : IS&S 6/4/21

Vial: 5
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Aug 26 16:25 2021 Quant Results File: M0825SUR.RES

Method : M:\MAX\DATA\210825\M0825SUR.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 11:16:48 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\210825\0825M16.D Vial: 6
Acq On : 25 Aug 21 17:07 Operator: LP,DG,CH
Sample : 5ug/L VOC STD 8/25/21 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Aug 26 16:25 2021 Quant Results File: M0825SUR.RES

Quant Method : M:\MAX\DATA\210825\M0825SUR.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 11:16:48 2021
Response via : Initial Calibration
DataAcq Meth : M8260_081021

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.21	96	261599	25.00	ppb	0.00
4) Chlorobenzene-D5 (IS)	9.41	117	219379	25.00	ppb	0.00
7) 1,4-Dichlorobenzene-D (IS)	11.75	152	136215	25.00	ppb	0.00
System Monitoring Compounds						
2) Dibromofluoromethane(S)	5.41	111	75090	23.80	ppb	0.00
Spiked Amount 25.000			Recovery =	95.204%		
3) 1,2-DCA-D4(S)	5.81	65	51096	24.65	ppb	0.00
Spiked Amount 25.000			Recovery =	98.580%		
5) Toluene-D8(S)	7.95	98	252960	24.59	ppb	0.00
Spiked Amount 25.000			Recovery =	98.356%		
6) 4-Bromofluorobenzene(S)	10.60	95	101253	25.23	ppb	0.00
Spiked Amount 25.000			Recovery =	100.908%		

Target Compounds Qvalue

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

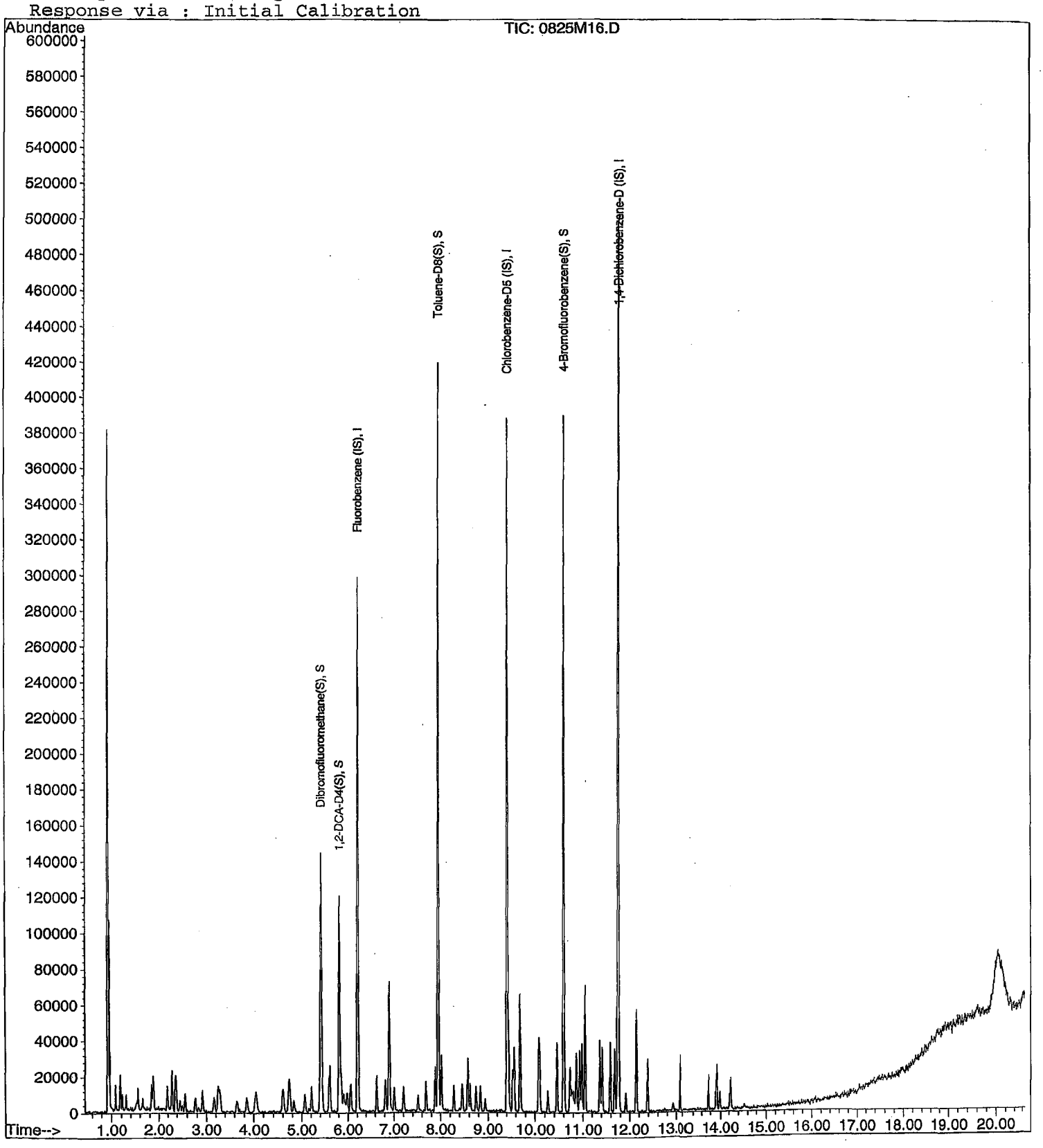
Quantitation Report

Data File : M:\MAX\DATA\210825\0825M16.D
Acq On : 25 Aug 21 17:07
Sample : 5ug/L VOC STD 8/25/21
Misc : IS&S 6/4/21

Vial: 6
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Aug 26 16:25 2021 Quant Results File: M0825SUR.RES

Method : M:\MAX\DATA\210825\M0825SUR.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 11:16:48 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\210825\0825M17.D Vial: 7
Acq On : 25 Aug 21 17:35 Operator: LP,DG,CH
Sample : 10ug/L VOC STD 8/25/21 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Aug 26 16:25 2021 Quant Results File: M0825SUR.RES

Quant Method : M:\MAX\DATA\210825\M0825SUR.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 11:16:48 2021
Response via : Initial Calibration
DataAcq Meth : M8260_081021

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.21	96	260876	25.00	ppb	0.00
4) Chlorobenzene-D5 (IS)	9.41	117	215380	25.00	ppb	0.00
7) 1,4-Dichlorobenzene-D (IS)	11.75	152	136295	25.00	ppb	0.00
System Monitoring Compounds						
2) Dibromofluoromethane(S)	5.42	111	77116	24.51	ppb	0.00
Spiked Amount 25.000			Recovery = 98.044%			
3) 1,2-DCA-D4(S)	5.82	65	49768	24.07	ppb	0.00
Spiked Amount 25.000			Recovery = 96.284%			
5) Toluene-D8(S)	7.95	98	250522	24.80	ppb	0.00
Spiked Amount 25.000			Recovery = 99.216%			
6) 4-Bromofluorobenzene(S)	10.60	95	100010	25.38	ppb	0.00
Spiked Amount 25.000			Recovery = 101.520%			

Target Compounds Qvalue

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

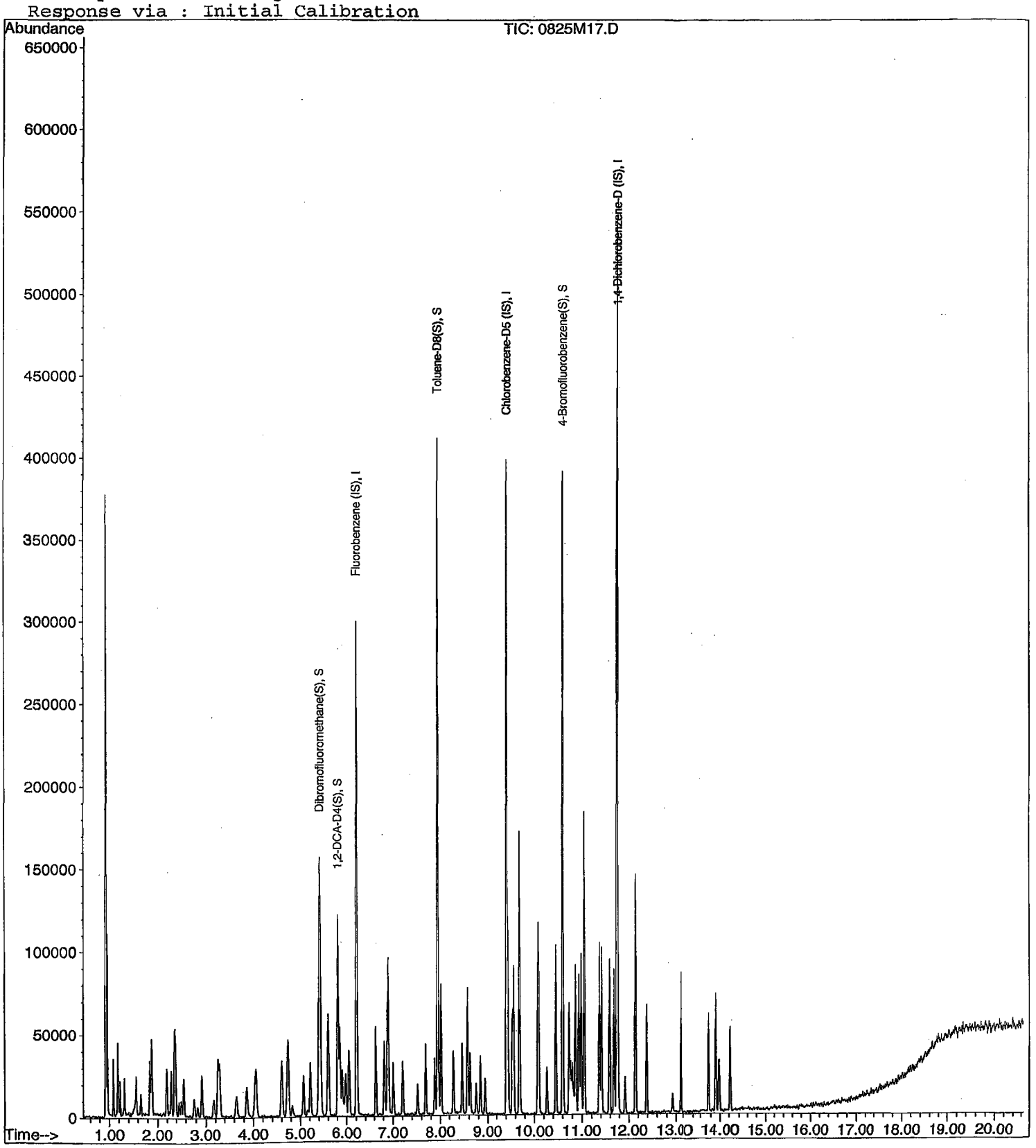
Quantitation Report

Data File : M:\MAX\DATA\210825\0825M17.D
Acq On : 25 Aug 21 17:35
Sample : 10ug/L VOC STD 8/25/21
Misc : IS&S 6/4/21

Vial: 7
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Aug 26 16:25 2021 Quant Results File: M0825SUR.RES

Method : M:\MAX\DATA\210825\M0825SUR.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 11:16:48 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\210825\0825M18.D Vial: 8
Acq On : 25 Aug 21 18:03 Operator: LP,DG,CH
Sample : 20ug/L VOC STD 8/25/21 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Aug 26 16:25 2021 Quant Results File: M0825SUR.RES

Quant Method : M:\MAX\DATA\210825\M0825SUR.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 11:16:48 2021
Response via : Initial Calibration
DataAcq Meth : M8260_081021

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.21	96	258006	25.00	ppb	0.00
4) Chlorobenzene-D5 (IS)	9.41	117	222674	25.00	ppb	0.00
7) 1,4-Dichlorobenzene-D (IS)	11.75	152	141752	25.00	ppb	0.00
System Monitoring Compounds						
2) Dibromofluoromethane(S)	5.42	111	153975	49.49	ppb	0.00
Spiked Amount 25.000			Recovery =	197.940%		
3) 1,2-DCA-D4(S)	5.81	65	102408	50.08	ppb	0.00
Spiked Amount 25.000			Recovery =	200.332%		
5) Toluene-D8(S)	7.95	98	499120	47.80	ppb	0.00
Spiked Amount 25.000			Recovery =	191.196%		
6) 4-Bromofluorobenzene(S)	10.60	95	195414	47.97	ppb	0.00
Spiked Amount 25.000			Recovery =	191.868%		

Target Compounds Qvalue

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

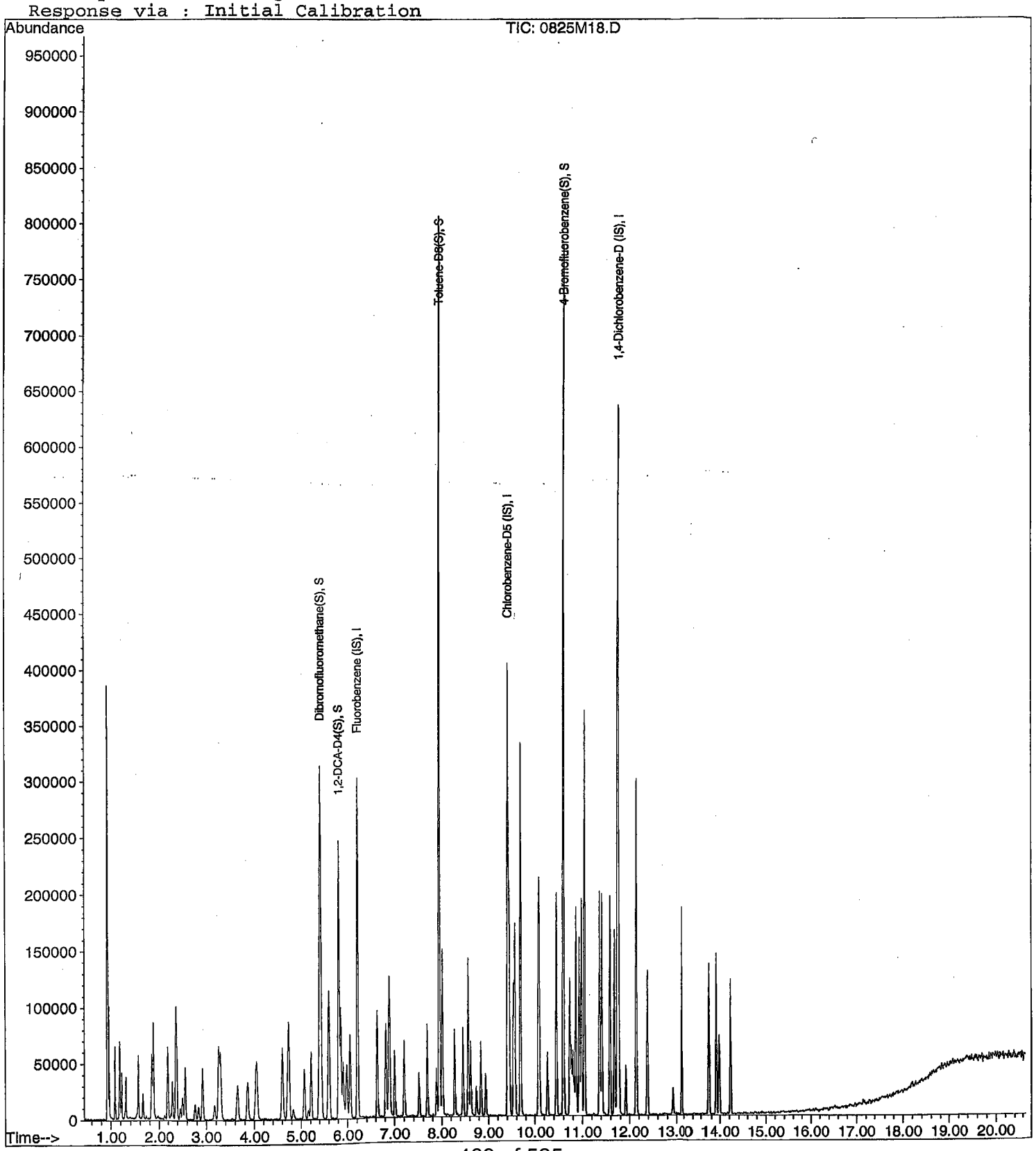
Quantitation Report

Data File : M:\MAX\DATA\210825\0825M18.D
Acq On : 25 Aug 21 18:03
Sample : 20ug/L VOC STD 8/25/21
Misc : IS&S 6/4/21

Vial: 8
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Aug 26 16:25 2021 Quant Results File: M0825SUR.RES

Method : M:\MAX\DATA\210825\M0825SUR.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 11:16:48 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\210825\0825M19.D
Acq On : 25 Aug 21 18:31
Sample : 40ug/L VOC STD 8/25/21
Misc : IS&S 6/4/21

Vial: 9
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Aug 26 16:25 2021 Quant Results File: M0825SUR.RES

Quant Method : M:\MAX\DATA\210825\M0825SUR.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 11:16:48 2021
Response via : Initial Calibration
DataAcq Meth : M8260_081021

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.21	96	251853	25.00	ppb	0.00
4) Chlorobenzene-D5 (IS)	9.41	117	216925	25.00	ppb	0.00
7) 1,4-Dichlorobenzene-D (IS)	11.75	152	140689	25.00	ppb	0.00
System Monitoring Compounds						
2) Dibromofluoromethane(S)	5.41	111	151584	49.91	ppb	0.00
Spiked Amount 25.000			Recovery = 199.628%			
3) 1,2-DCA-D4(S)	5.81	65	102456	51.33	ppb	0.00
Spiked Amount 25.000			Recovery = 205.320%			
5) Toluene-D8(S)	7.95	98	486936	47.87	ppb	0.00
Spiked Amount 25.000			Recovery = 191.472%			
6) 4-Bromofluorobenzene(S)	10.60	95	195822	49.34	ppb	0.00
Spiked Amount 25.000			Recovery = 197.364%			

Target Compounds Qvalue

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

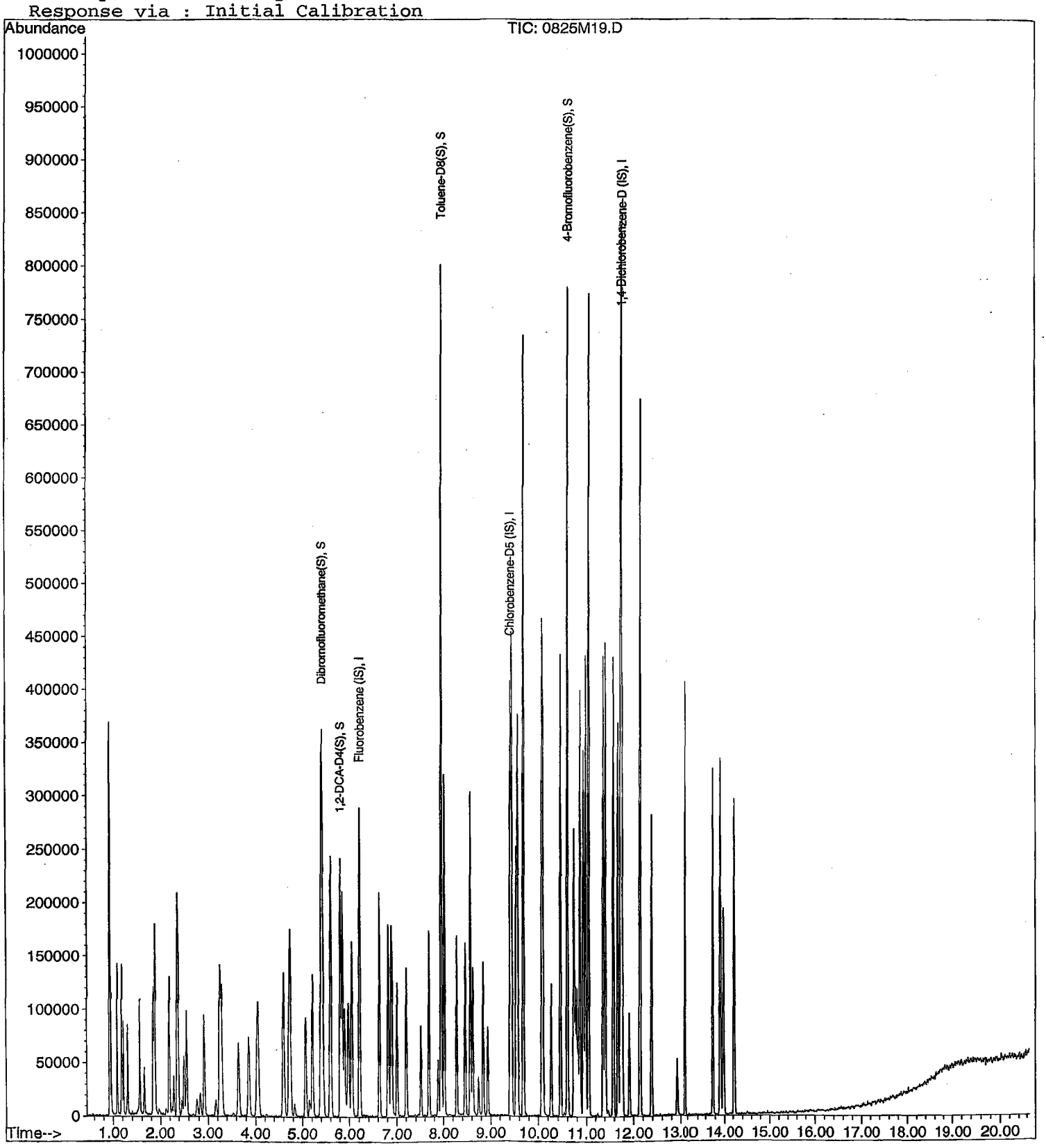
Quantitation Report

Data File : M:\MAX\DATA\210825\0825M19.D
Acq On : 25 Aug 21 18:31
Sample : 40ug/L VOC STD 8/25/21
Misc : IS&S 6/4/21

Vial: 9
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Aug 26 16:25 2021 Quant Results File: M0825SUR.RES

Method : M:\MAX\DATA\210825\M0825SUR.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 11:16:48 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\210825\0825M20.D Vial: 10
Acq On : 25 Aug 21 18:59 Operator: LP,DG,CH
Sample : 100ug/L VOC STD 8/25/21 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Aug 26 16:25 2021 Quant Results File: M0825SUR.RES

Quant Method : M:\MAX\DATA\210825\M0825SUR.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 11:16:48 2021
Response via : Initial Calibration
DataAcq Meth : M8260_081021

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.21	96	251268	25.00	ppb	0.00
4) Chlorobenzene-D5 (IS)	9.41	117	218191	25.00	ppb	0.00
7) 1,4-Dichlorobenzene-D (IS)	11.75	152	142788	25.00	ppb	0.00
System Monitoring Compounds						
2) Dibromofluoromethane(S)	5.42	111	272268	89.85	ppb	0.00
Spiked Amount 25.000			Recovery = 359.396%			
3) 1,2-DCA-D4(S)	5.81	65	179968	90.37	ppb	0.00
Spiked Amount 25.000			Recovery = 361.496%			
5) Toluene-D8(S)	7.95	98	893556	87.33	ppb	0.00
Spiked Amount 25.000			Recovery = 349.324%			
6) 4-Bromofluorobenzene(S)	10.60	95	358053	89.70	ppb	0.00
Spiked Amount 25.000			Recovery = 358.780%			

Target Compounds Qvalue

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

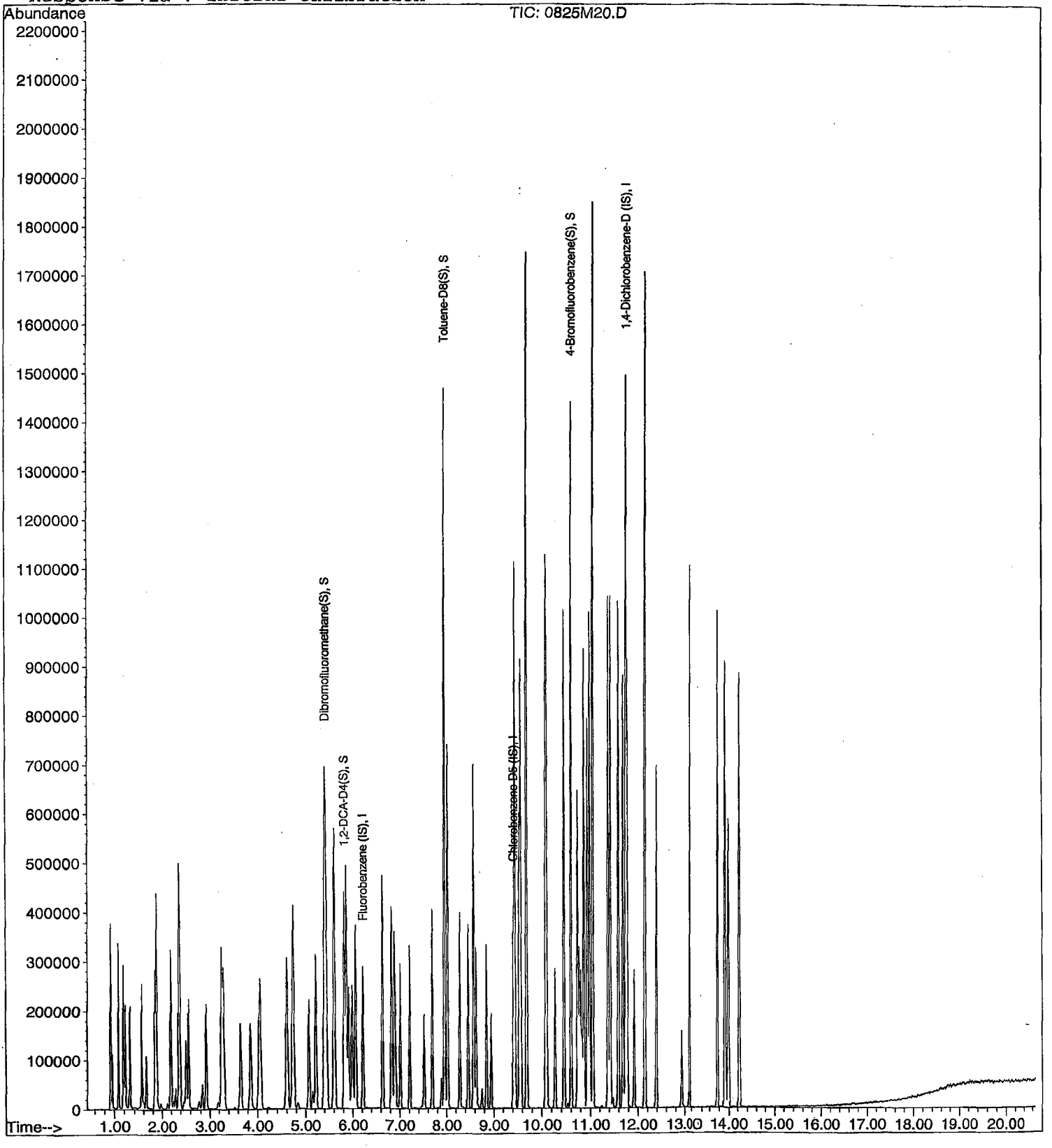
Quantitation Report

Data File : M:\MAX\DATA\210825\0825M20.D
Acq On : 25 Aug 21 18:59
Sample : 100ug/L VOC STD 8/25/21
Misc : IS&S 6/4/21

Vial: 10
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Aug 26 16:25 2021 Quant Results File: M0825SUR.RES

Method : M:\MAX\DATA\210825\M0825SUR.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 11:16:48 2021
Response via : Initial Calibration



VOLATILE ORGANIC ANALYSIS
VOLATILE ORGANIC COMPOUNDS

Form 7

Continuing Calibration

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

SDG No:
Date Analyzed: 10/18/2021
Instrument: Max
Initial Cal. Date: 8/25/2021
Data File: 1018M05.D

		Compound	MEAN	CCRF	%D		%Drift
1	I	Fluorobenzene (IS)	ISTD			I	
2	TMHB	Gasoline C6-C10	3.704	1.326	64	TMHBL	16
3	TMHB	Chlorobenzene-D5 (IS)	ISTD			TMHB	
4	TMHB	1,4-Dichlorobenzene (IS)	ISTD			TMHB	
5							
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40							
		Average			64.0		

Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\211015\1018M05.D Vial: 5
Acq On : 18 Oct 21 16:11 Operator: LP,DG,CH
Sample : 211018A CCV 300ug/L Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Nov 11 15:29 2021 Quant Results File: MGAS0825.RES

Quant Method : M:\MAX\DATA\211015\MGAS0825.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 16:19:36 2021
Response via : Initial Calibration
DataAcq Meth : M8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.36	TIC	414168	25.000	ppb	0.15
3) Chlorobenzene-D5 (IS)	11.75	TIC	458781m	25.000	ppb	0.00
4) 1,4-Dichlorobenzene (IS)	10.94	TIC	126809m	25.000	ppb	0.00
System Monitoring Compounds						
Target Compounds						Qvalue
2) Gasoline C6-C10	10.69	TIC	6589668m	348.202	ppb	100

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

Quantitation Report

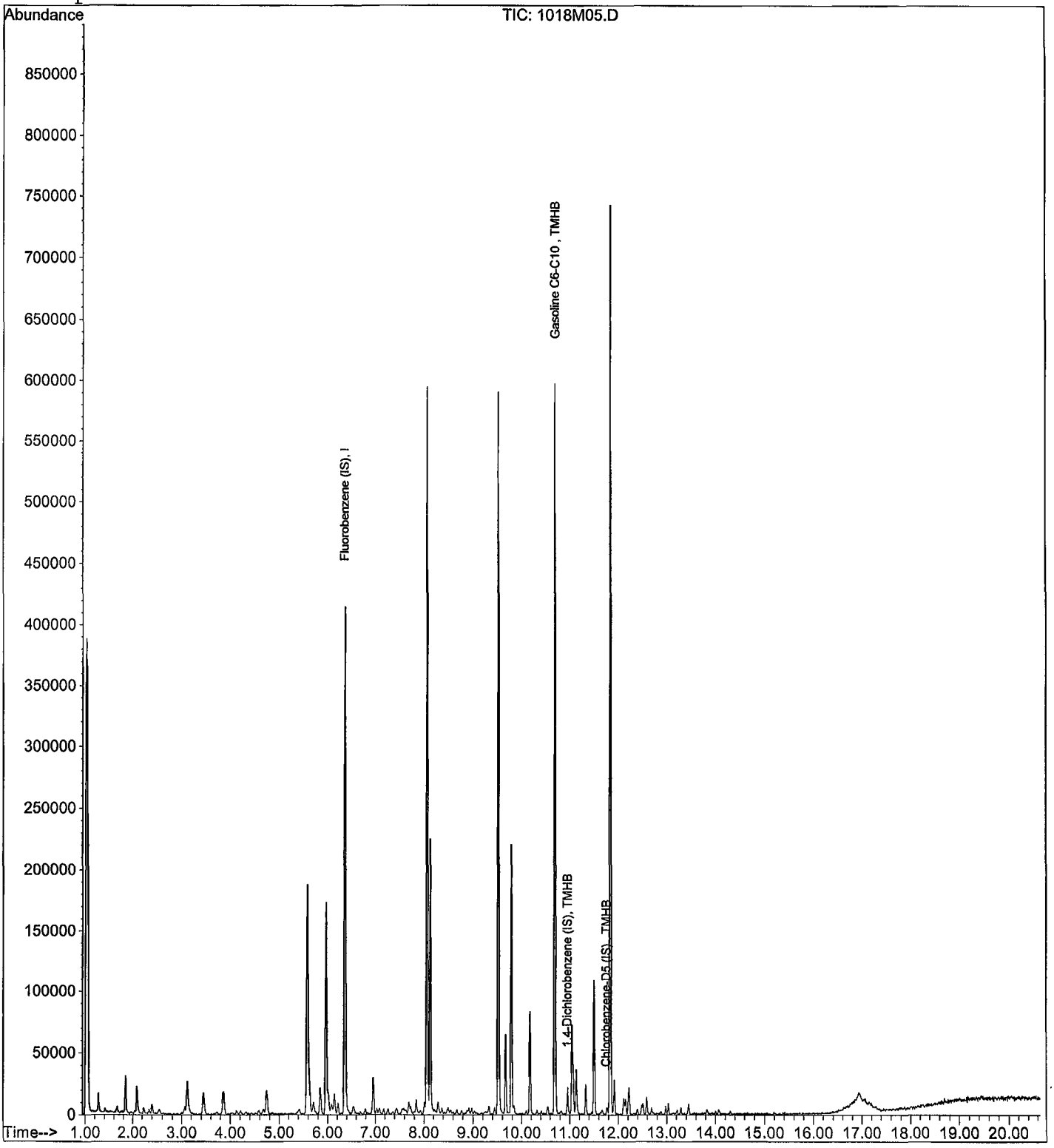
Data File : M:\MAX\DATA\211015\1018M05.D
Acq On : 18 Oct 21 16:11
Sample : 211018A CCV 300ug/L
Misc : IS&S 8/4/21

Vial: 5
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Nov 11 15:29 2021

Quant Results File: MGAS0825.RES

Method : M:\MAX\DATA\211015\MGAS0825.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 16:19:36 2021
Response via : Initial Calibration



VOLATILE ORGANIC ANALYSIS BY
EPA METHOD 8260B

Form 7

Continuing Calibration

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

SDG No:
Date Analyzed: 10/18/2021
Instrument: Max
Initial Cal. Date: 10/15/2021
Data File: 1018M05.D

		Compound	MEAN	CCRF	%D	%Drift	
1	I	Fluorobenzene (IS)	ISTD			I	
2	S	Dibromofluoromethane(S)	0.3105	0.3003	3.3	S	
3	S	1,2-DCA-D4(S)	0.2166	0.2043	5.7	S	
4	I	Chlorobenzene-D5 (IS)	ISTD			I	
5	S	Toluene-D8(S)	1.149	1.119	2.6	S	
6	S	4-Bromofluorobenzene(S)	0.4641	0.4701	1.3	S	
7	I	1,4-Dichlorobenzene-D (IS)	ISTD			I	
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		Average			3.2		

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211015\1018M05.D Vial: 5
Acq On : 18 Oct 21 16:11 Operator: LP,DG,CH
Sample : 211018A CCV 300ug/L Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Nov 11 15:36 2021 Quant Results File: SURR015W.RES

Quant Method : M:\MAX\DATA\211015\SURR015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 14:01:48 2021
Response via : Initial Calibration
DataAcq Meth : M8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.36	96	355634	25.000	ppb	0.02
4) Chlorobenzene-D5 (IS)	9.51	117	326674	25.000	ppb	0.02
7) 1,4-Dichlorobenzene-D (IS)	11.84	152	216936	25.000	ppb	0.02
System Monitoring Compounds						
2) Dibromofluoromethane(S)	5.58	111	106788	24.177	ppb	0.02
Spiked Amount 25.000			Recovery =	96.708%		
3) 1,2-DCA-D4(S)	5.97	65	72648	23.582	ppb	0.02
Spiked Amount 25.000			Recovery =	94.328%		
5) Toluene-D8(S)	8.07	98	365421	24.338	ppb	0.02
Spiked Amount 25.000			Recovery =	97.352%		
6) 4-Bromofluorobenzene(S)	10.69	95	153564	25.323	ppb	0.02
Spiked Amount 25.000			Recovery =	101.292%		

Target Compounds Qvalue

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

VOLATILE ORGANIC ANALYSIS
VOLATILE ORGANIC COMPOUNDS

Form 7

Ending Continuing Calibration

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

SDG No:
Date Analyzed: 10/19/2021
Instrument: Max
Initial Cal. Date: 8/25/2021
Data File: 1018M28.D

		Compound	MEAN	CCRF	%D		%Drift
1	I	Fluorobenzene (IS)	ISTD			I	
2	TMHB	Gasoline C6-C10	3.704	1.090	71	TMHBL	47
3	TMHB	Chlorobenzene-D5 (IS)	ISTD			TMHB	
4	TMHB	1,4-Dichlorobenzene (IS)	ISTD			TMHB	
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6							
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40							
		Average			71.0		

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211015\1018M28.D Vial: 28
Acq On : 19 Oct 21 3:03 Operator: LP,DG,CH
Sample : Ending CCV 300ug/L 10/18/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Nov 11 14:14 2021 Quant Results File: MGAS0825.RES

Quant Method : M:\MAX\DATA\211015\MGAS0825.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 16:19:36 2021
Response via : Initial Calibration
DataAcq Meth : M8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.36	TIC	427682	25.000	ppb	0.15
3) Chlorobenzene-D5 (IS)	11.75	TIC	437983m	25.000	ppb	0.00
4) 1,4-Dichlorobenzene (IS)	10.94	TIC	111832m	25.000	ppb	0.00
System Monitoring Compounds						
Target Compounds						Qvalue
2) Gasoline C6-C10	7.95	TIC	5593487m	157.716	ppb	100

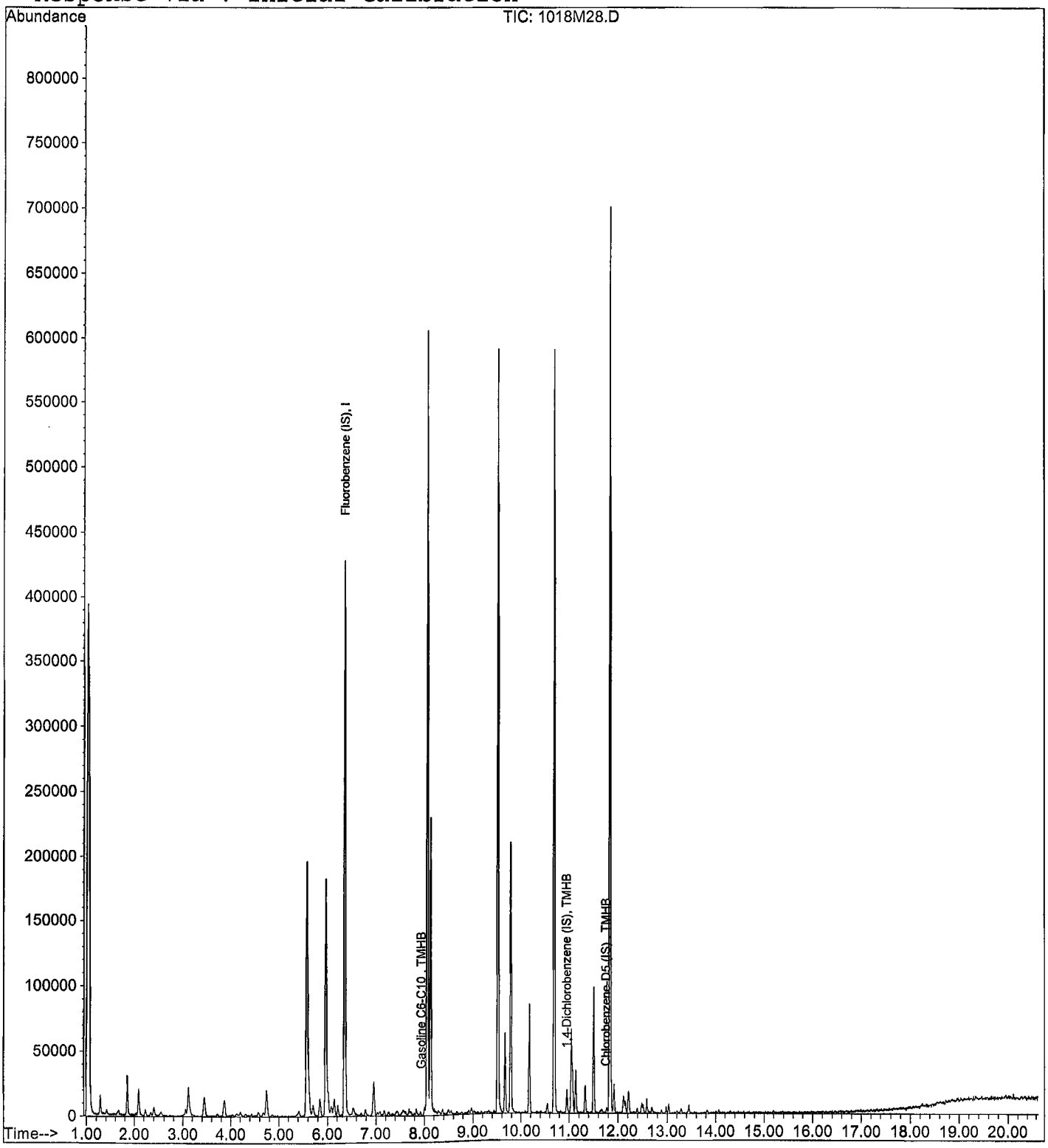
(#) = qualifier out of range (m) = manual integration

Data File : M:\MAX\DATA\211015\1018M28.D
Acq On : 19 Oct 21 3:03
Sample : Ending CCV 300ug/L 10/18/21
Misc : IS&S 8/4/21

Vial: 28
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Nov 11 14:14 2021 Quant Results File: MGAS0825.RES

Method : M:\MAX\DATA\211015\MGAS0825.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 16:19:36 2021
Response via : Initial Calibration



VOLATILE ORGANIC ANALYSIS BY
EPA METHOD 8260B

Form 7

Ending Continuing Calibration

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

SDG No:
Date Analyzed: 10/19/2021
Instrument: Max
Initial Cal. Date: 10/15/2021
Data File: 1018M28.D

		Compound	MEAN	CCRF	%D		%Drift
1	I	Fluorobenzene (IS)	ISTD			I	
2	S	Dibromofluoromethane(S)	0.3105	0.3011	3.0	S	
3	S	1,2-DCA-D4(S)	0.2166	0.2136	1.3	S	
4	I	Chlorobenzene-D5 (IS)	ISTD			I	
5	S	Toluene-D8(S)	1.149	1.154	0.41	S	
6	S	4-Bromofluorobenzene(S)	0.4641	0.4587	1.2	S	
7	I	1,4-Dichlorobenzene-D (IS)	ISTD			I	
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40							
		Average			1.5		

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211015\1018M28.D Vial: 28
Acq On : 19 Oct 21 3:03 Operator: LP,DG,CH
Sample : Ending CCV 300ug/L 10/18/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Nov 11 15:37 2021 Quant Results File: SURR015W.RES

Quant Method : M:\MAX\DATA\211015\SURR015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 14:01:48 2021
Response via : Initial Calibration
DataAcq Meth : M8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.36	96	373257	25.000	ppb	0.02
4) Chlorobenzene-D5 (IS)	9.51	117	326644	25.000	ppb	0.02
7) 1,4-Dichlorobenzene-D (IS)	11.83	152	207210	25.000	ppb	0.01
System Monitoring Compounds						
2) Dibromofluoromethane(S)	5.58	111	112400	24.247	ppb	0.02
Spiked Amount 25.000			Recovery =	96.988%		
3) 1,2-DCA-D4(S)	5.97	65	79744	24.664	ppb	0.02
Spiked Amount 25.000			Recovery =	98.656%		
5) Toluene-D8(S)	8.06	98	376882	25.103	ppb	0.01
Spiked Amount 25.000			Recovery =	100.412%		
6) 4-Bromofluorobenzene(S)	10.69	95	149820	24.708	ppb	0.01
Spiked Amount 25.000			Recovery =	98.832%		

Target Compounds Qvalue

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

ORGANICS
Raw Data

Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\211015\1018M19.D Vial: 19
Acq On : 18 Oct 21 22:48 Operator: LP,DG,CH
Sample : BA43144W01 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Nov 11 14:36 2021 Quant Results File: MGAS0825.RES

Quant Method : M:\MAX\DATA\211015\MGAS0825.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 16:19:36 2021
Response via : Initial Calibration
DataAcq Meth : M8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.36	TIC	445644	25.000	ppb	0.14
3) Chlorobenzene-D5 (IS)	11.75	TIC	413326m	25.000	ppb	0.00
4) 1,4-Dichlorobenzene (IS)	10.94	TIC	9194m	25.000	ppb	0.00

System Monitoring Compounds

Target Compounds Qvalue

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

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211015\1018M19.D Vial: 19
Acq On : 18 Oct 21 22:48 Operator: LP,DG,CH
Sample : BA43144W01 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Nov 11 15:36 2021 Quant Results File: SURR015W.RES

Quant Method : M:\MAX\DATA\211015\SURR015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 14:01:48 2021
Response via : Initial Calibration
DataAcq Meth : M8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.36	96	388108	25.000	ppb	0.02
4) Chlorobenzene-D5 (IS)	9.51	117	340090	25.000	ppb	0.02
7) 1,4-Dichlorobenzene-D (IS)	11.84	152	209639	25.000	ppb	0.02
System Monitoring Compounds						
2) Dibromofluoromethane(S)	5.58	111	123137	25.546	ppb	0.02
Spiked Amount 25.000			Recovery = 102.184%			
3) 1,2-DCA-D4(S)	5.97	65	81656	24.289	ppb	0.02
Spiked Amount 25.000			Recovery = 97.156%			
5) Toluene-D8(S)	8.06	98	394502	25.238	ppb	0.01
Spiked Amount 25.000			Recovery = 100.952%			
6) 4-Bromofluorobenzene(S)	10.69	95	155795	24.678	ppb	0.02
Spiked Amount 25.000			Recovery = 98.712%			

Target Compounds Qvalue

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

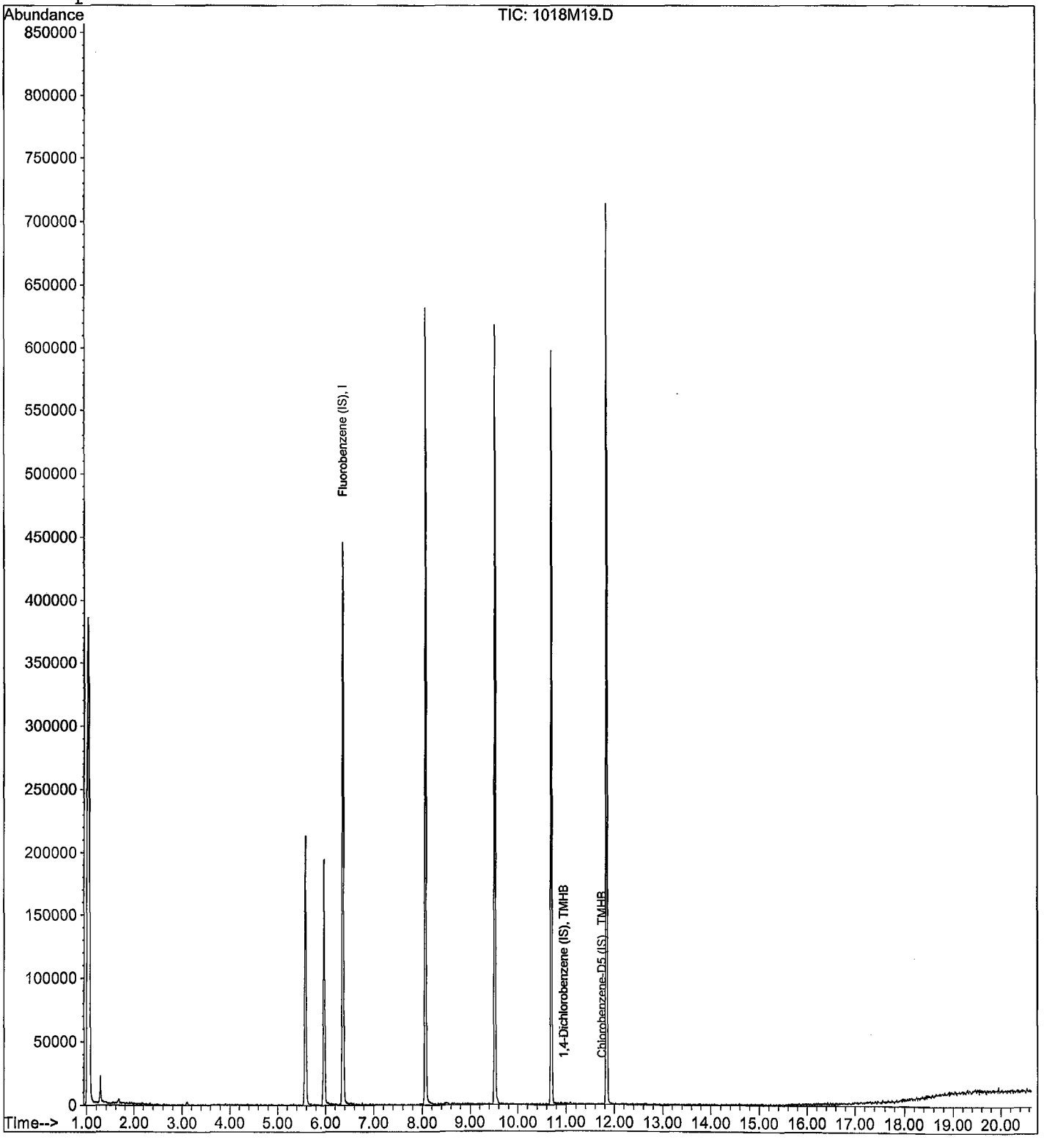
Quantitation Report

Data File : M:\MAX\DATA\211015\1018M19.D
Acq On : 18 Oct 21 22:48
Sample : BA43144W01
Misc : IS&S 8/4/21

Vial: 19
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Nov 11 14:36 2021 Quant Results File: MGAS0825.RES

Method : M:\MAX\DATA\211015\MGAS0825.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 16:19:36 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\211015\1018M20.D Vial: 20
Acq On : 18 Oct 21 23:17 Operator: LP,DG,CH
Sample : BA43145W01 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Nov 11 14:36 2021 Quant Results File: MGAS0825.RES

Quant Method : M:\MAX\DATA\211015\MGAS0825.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 16:19:36 2021
Response via : Initial Calibration
DataAcq Meth : M8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.36	TIC	407450	25.000	ppb	0.15
3) Chlorobenzene-D5 (IS)	11.75	TIC	428411m	25.000	ppb	0.00
4) 1,4-Dichlorobenzene (IS)	10.94	TIC	14963m	25.000	ppb	0.00

System Monitoring Compounds

Target Compounds Qvalue

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

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211015\1018M20.D Vial: 20
Acq On : 18 Oct 21 23:17 Operator: LP,DG,CH
Sample : BA43145W01 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Nov 11 15:36 2021 Quant Results File: SURR015W.RES

Quant Method : M:\MAX\DATA\211015\SURR015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 14:01:48 2021
Response via : Initial Calibration
DataAcq Meth : M8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.36	96	358570	25.000	ppb	0.02
4) Chlorobenzene-D5 (IS)	9.51	117	322332	25.000	ppb	0.02
7) 1,4-Dichlorobenzene-D (IS)	11.83	152	206307	25.000	ppb	0.01
System Monitoring Compounds						
2) Dibromofluoromethane(S)	5.58	111	115715	25.984	ppb	0.02
Spiked Amount 25.000			Recovery = 103.936%			
3) 1,2-DCA-D4(S)	5.97	65	76064	24.489	ppb	0.02
Spiked Amount 25.000			Recovery = 97.956%			
5) Toluene-D8(S)	8.07	98	364933	24.633	ppb	0.02
Spiked Amount 25.000			Recovery = 98.532%			
6) 4-Bromofluorobenzene(S)	10.69	95	146513	24.486	ppb	0.02
Spiked Amount 25.000			Recovery = 97.944%			

Target Compounds Qvalue

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

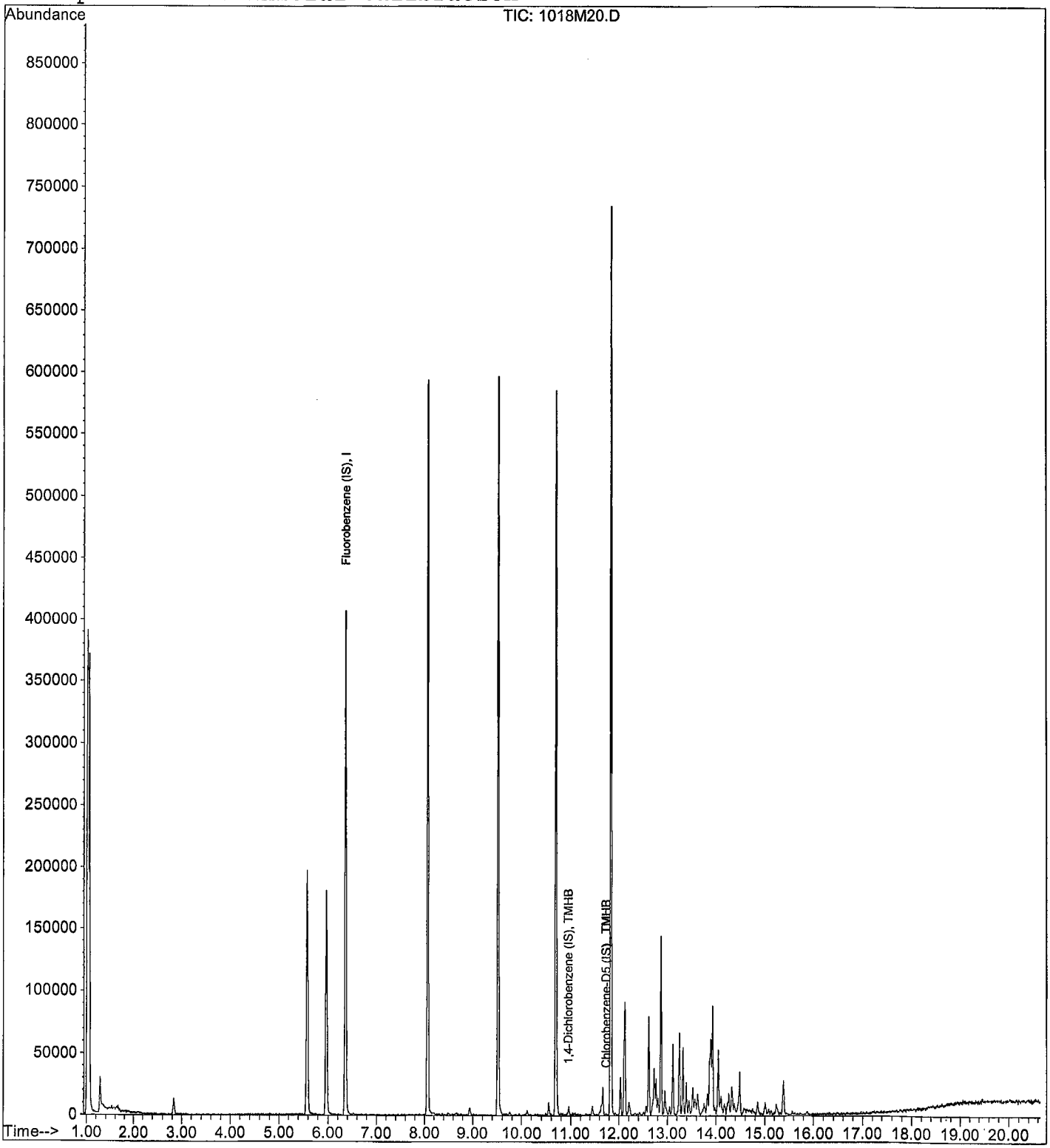
Quantitation Report

Data File : M:\MAX\DATA\211015\1018M20.D
Acq On : 18 Oct 21 23:17
Sample : BA43145W01
Misc : IS&S 8/4/21

Vial: 20
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Nov 11 14:36 2021 Quant Results File: MGAS0825.RES

Method : M:\MAX\DATA\211015\MGAS0825.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 16:19:36 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\211015\1018M21.D Vial: 21
Acq On : 18 Oct 21 23:45 Operator: LP,DG,CH
Sample : BA43146W01 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Nov 11 14:37 2021 Quant Results File: MGAS0825.RES

Quant Method : M:\MAX\DATA\211015\MGAS0825.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 16:19:36 2021
Response via : Initial Calibration
DataAcq Meth : M8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.36	TIC	417497	25.000	ppb	0.15
3) Chlorobenzene-D5 (IS)	11.75	TIC	429825m	25.000	ppb	0.00
4) 1,4-Dichlorobenzene (IS)	10.94	TIC	6459m	25.000	ppb	0.00

System Monitoring Compounds

Target Compounds Qvalue

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

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211015\1018M21.D Vial: 21
Acq On : 18 Oct 21 23:45 Operator: LP,DG,CH
Sample : BA43146W01 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Nov 11 15:37 2021 Quant Results File: SURR015W.RES

Quant Method : M:\MAX\DATA\211015\SURR015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 14:01:48 2021
Response via : Initial Calibration
DataAcq Meth : M8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.36	96	366570	25.000	ppb	0.02
4) Chlorobenzene-D5 (IS)	9.51	117	331805	25.000	ppb	0.02
7) 1,4-Dichlorobenzene-D (IS)	11.83	152	210619	25.000	ppb	0.01
System Monitoring Compounds						
2) Dibromofluoromethane(S)	5.58	111	113564	24.945	ppb	0.02
Spiked Amount 25.000			Recovery =	99.780%		
3) 1,2-DCA-D4(S)	5.97	65	77336	24.355	ppb	0.02
Spiked Amount 25.000			Recovery =	97.420%		
5) Toluene-D8(S)	8.07	98	372503	24.426	ppb	0.02
Spiked Amount 25.000			Recovery =	97.704%		
6) 4-Bromofluorobenzene(S)	10.69	95	149660	24.298	ppb	0.02
Spiked Amount 25.000			Recovery =	97.192%		

Target Compounds Qvalue

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

Quantitation Report

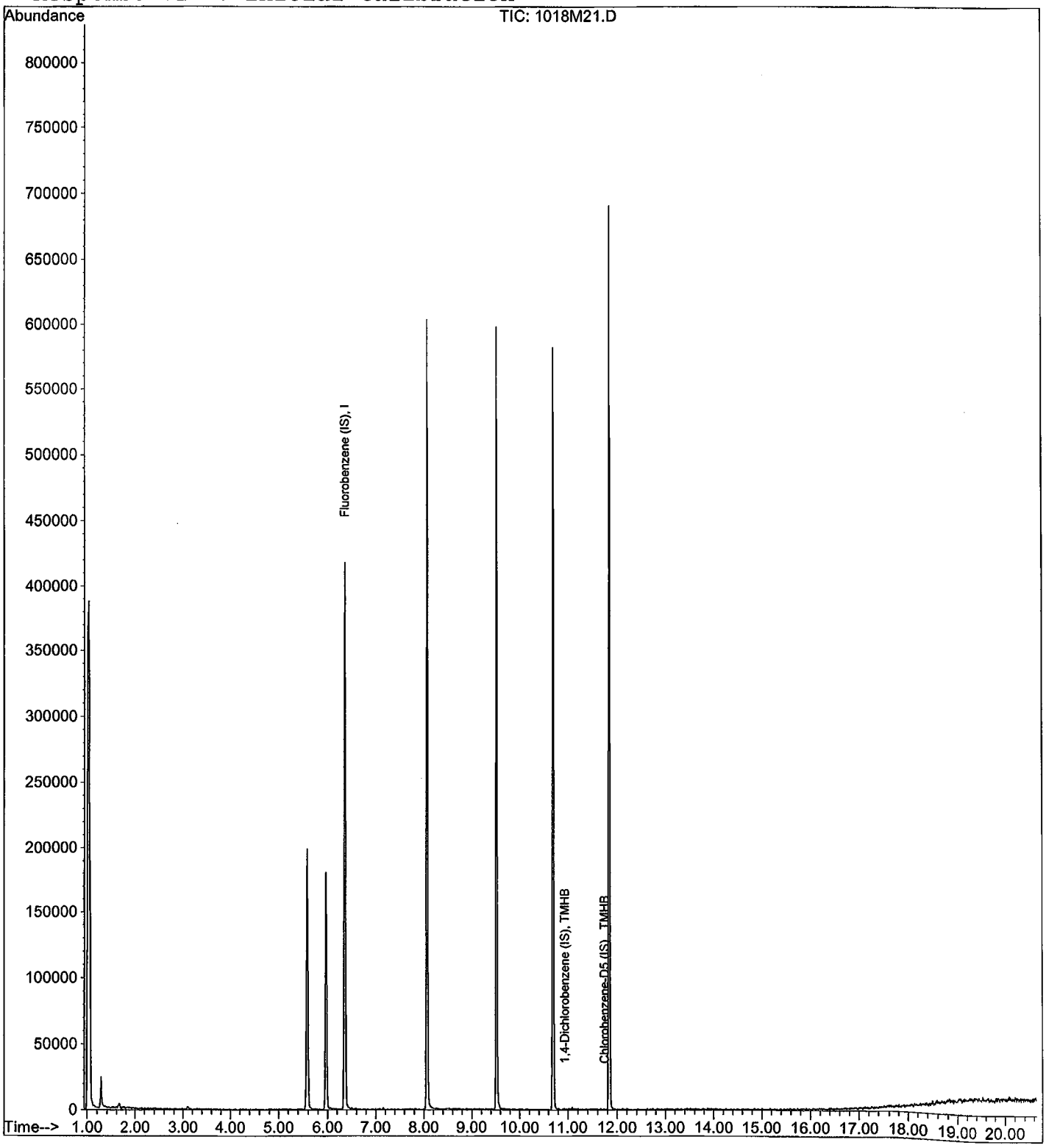
Data File : M:\MAX\DATA\211015\1018M21.D
Acq On : 18 Oct 21 23:45
Sample : BA43146W01
Misc : IS&S 8/4/21

Vial: 21
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Nov 11 14:37 2021

Quant Results File: MGAS0825.RES

Method : M:\MAX\DATA\211015\MGAS0825.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 16:19:36 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\211015\1018M22.D Vial: 22
Acq On : 19 Oct 21 00:13 Operator: LP,DG,CH
Sample : BA43147W01 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Nov 11 14:37 2021 Quant Results File: MGAS0825.RES

Quant Method : M:\MAX\DATA\211015\MGAS0825.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 16:19:36 2021
Response via : Initial Calibration
DataAcq Meth : M8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.36	TIC	430995	25.000	ppb	0.14
3) Chlorobenzene-D5 (IS)	11.75	TIC	602031m	25.000	ppb	0.00
4) 1,4-Dichlorobenzene (IS)	10.94	TIC	82258m	25.000	ppb	0.00

System Monitoring Compounds

Target Compounds Qvalue

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

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211015\1018M22.D Vial: 22
Acq On : 19 Oct 21 00:13 Operator: LP,DG,CH
Sample : BA43147W01 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Nov 11 15:37 2021 Quant Results File: SURR015W.RES

Quant Method : M:\MAX\DATA\211015\SURR015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 14:01:48 2021
Response via : Initial Calibration
DataAcq Meth : M8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.36	96	378719	25.000	ppb	0.02
4) Chlorobenzene-D5 (IS)	9.51	117	333150	25.000	ppb	0.02
7) 1,4-Dichlorobenzene-D (IS)	11.83	152	217338	25.000	ppb	0.01
System Monitoring Compounds						
2) Dibromofluoromethane(S)	5.58	111	117560	24.994	ppb	0.02
Spiked Amount 25.000			Recovery =	99.976%		
3) 1,2-DCA-D4(S)	5.97	65	78688	23.986	ppb	0.02
Spiked Amount 25.000			Recovery =	95.944%		
5) Toluene-D8(S)	8.06	98	380419	24.844	ppb	0.01
Spiked Amount 25.000			Recovery =	99.376%		
6) 4-Bromofluorobenzene(S)	10.69	95	156619	25.325	ppb	0.01
Spiked Amount 25.000			Recovery =	101.300%		

Target Compounds Qvalue

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

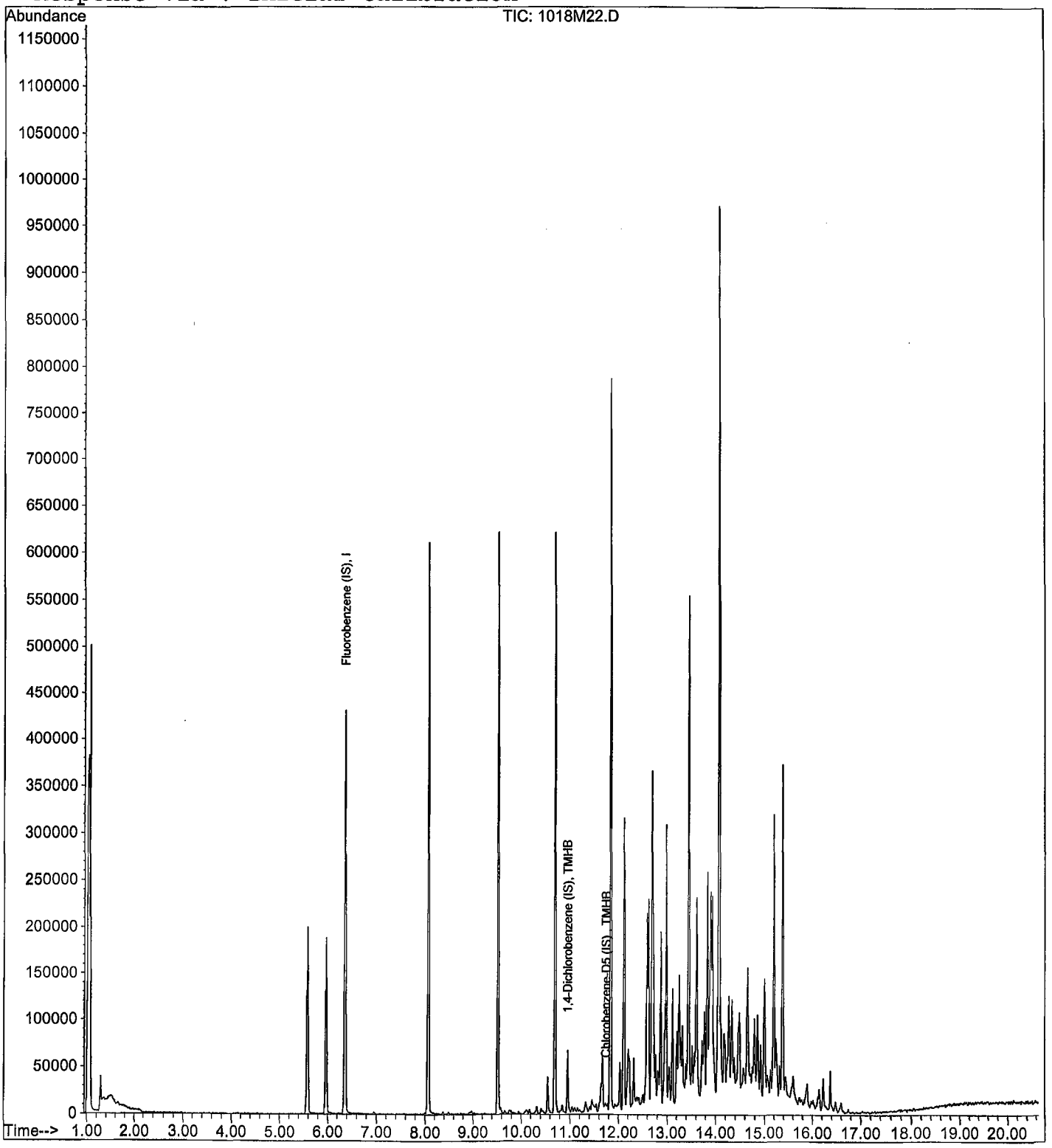
Quantitation Report

Data File : M:\MAX\DATA\211015\1018M22.D
Acq On : 19 Oct 21 00:13
Sample : BA43147W01
Misc : IS&S 8/4/21

Vial: 22
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Nov 11 14:37 2021 Quant Results File: MGAS0825.RES

Method : M:\MAX\DATA\211015\MGAS0825.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 16:19:36 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\211015\1018M23.D Vial: 23
Acq On : 19 Oct 21 00:41 Operator: LP,DG,CH
Sample : BA43148W01 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Nov 11 14:38 2021 Quant Results File: MGAS0825.RES

Quant Method : M:\MAX\DATA\211015\MGAS0825.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 16:19:36 2021
Response via : Initial Calibration
DataAcq Meth : M8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.36	TIC	454440	25.000	ppb	0.14
3) Chlorobenzene-D5 (IS)	11.75	TIC	426335m	25.000	ppb	0.00
4) 1,4-Dichlorobenzene (IS)	10.94	TIC	7422m	25.000	ppb	0.00

System Monitoring Compounds

Target Compounds Qvalue

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

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211015\1018M23.D Vial: 23
Acq On : 19 Oct 21 00:41 Operator: LP,DG,CH
Sample : BA43148W01 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Nov 11 15:37 2021 Quant Results File: SURR015W.RES

Quant Method : M:\MAX\DATA\211015\SURR015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 14:01:48 2021
Response via : Initial Calibration
DataAcq Meth : M8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.36	96	398186	25.000	ppb	0.02
4) Chlorobenzene-D5 (IS)	9.51	117	348075	25.000	ppb	0.02
7) 1,4-Dichlorobenzene-D (IS)	11.83	152	220215	25.000	ppb	0.01
System Monitoring Compounds						
2) Dibromofluoromethane(S)	5.58	111	122987	24.869	ppb	0.02
Spiked Amount 25.000			Recovery =	99.476%		
3) 1,2-DCA-D4(S)	5.97	65	80880	23.449	ppb	0.02
Spiked Amount 25.000			Recovery =	93.796%		
5) Toluene-D8(S)	8.06	98	407013	25.441	ppb	0.01
Spiked Amount 25.000			Recovery =	101.764%		
6) 4-Bromofluorobenzene(S)	10.69	95	160574	24.851	ppb	0.02
Spiked Amount 25.000			Recovery =	99.404%		

Target Compounds Qvalue

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

Quantitation Report

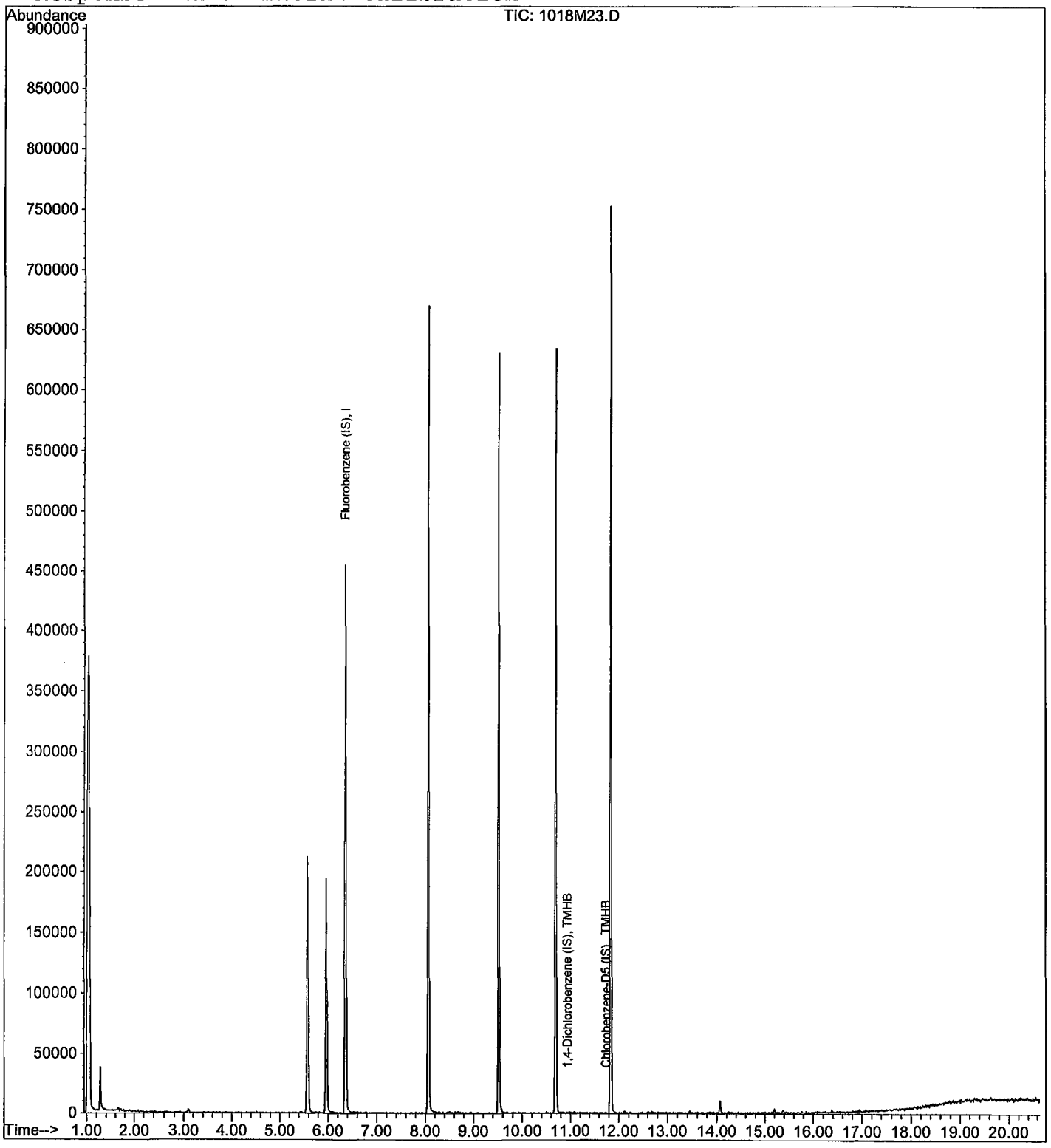
Data File : M:\MAX\DATA\211015\1018M23.D
Acq On : 19 Oct 21 00:41
Sample : BA43148W01
Misc : IS&S 8/4/21

Vial: 23
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Nov 11 14:38 2021

Quant Results File: MGAS0825.RES

Method : M:\MAX\DATA\211015\MGAS0825.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 16:19:36 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\211015\1018M24.D Vial: 24
Acq On : 19 Oct 21 1:10 Operator: LP,DG,CH
Sample : BA43149W01 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Nov 11 14:38 2021 Quant Results File: MGAS0825.RES

Quant Method : M:\MAX\DATA\211015\MGAS0825.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 16:19:36 2021
Response via : Initial Calibration
DataAcq Meth : M8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.36	TIC	437581	25.000	ppb	0.14
3) Chlorobenzene-D5 (IS)	11.75	TIC	424454m	25.000	ppb	0.00
4) 1,4-Dichlorobenzene (IS)	10.94	TIC	7891m	25.000	ppb	0.00

System Monitoring Compounds

Target Compounds Qvalue

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

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211015\1018M24.D Vial: 24
Acq On : 19 Oct 21 1:10 Operator: LP,DG,CH
Sample : BA43149W01 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Nov 11 15:37 2021 Quant Results File: SURR015W.RES

Quant Method : M:\MAX\DATA\211015\SURR015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 14:01:48 2021
Response via : Initial Calibration
DataAcq Meth : M8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.36	96	382186	25.000	ppb	0.02
4) Chlorobenzene-D5 (IS)	9.51	117	336295	25.000	ppb	0.02
7) 1,4-Dichlorobenzene-D (IS)	11.83	152	211633	25.000	ppb	0.01
System Monitoring Compounds						
2) Dibromofluoromethane(S)	5.58	111	117805	24.819	ppb	0.02
Spiked Amount 25.000			Recovery =	99.276%		
3) 1,2-DCA-D4(S)	5.97	65	78128	23.599	ppb	0.02
Spiked Amount 25.000			Recovery =	94.396%		
5) Toluene-D8(S)	8.06	98	389296	25.186	ppb	0.01
Spiked Amount 25.000			Recovery =	100.744%		
6) 4-Bromofluorobenzene(S)	10.69	95	152865	24.487	ppb	0.02
Spiked Amount 25.000			Recovery =	97.948%		

Target Compounds Qvalue

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

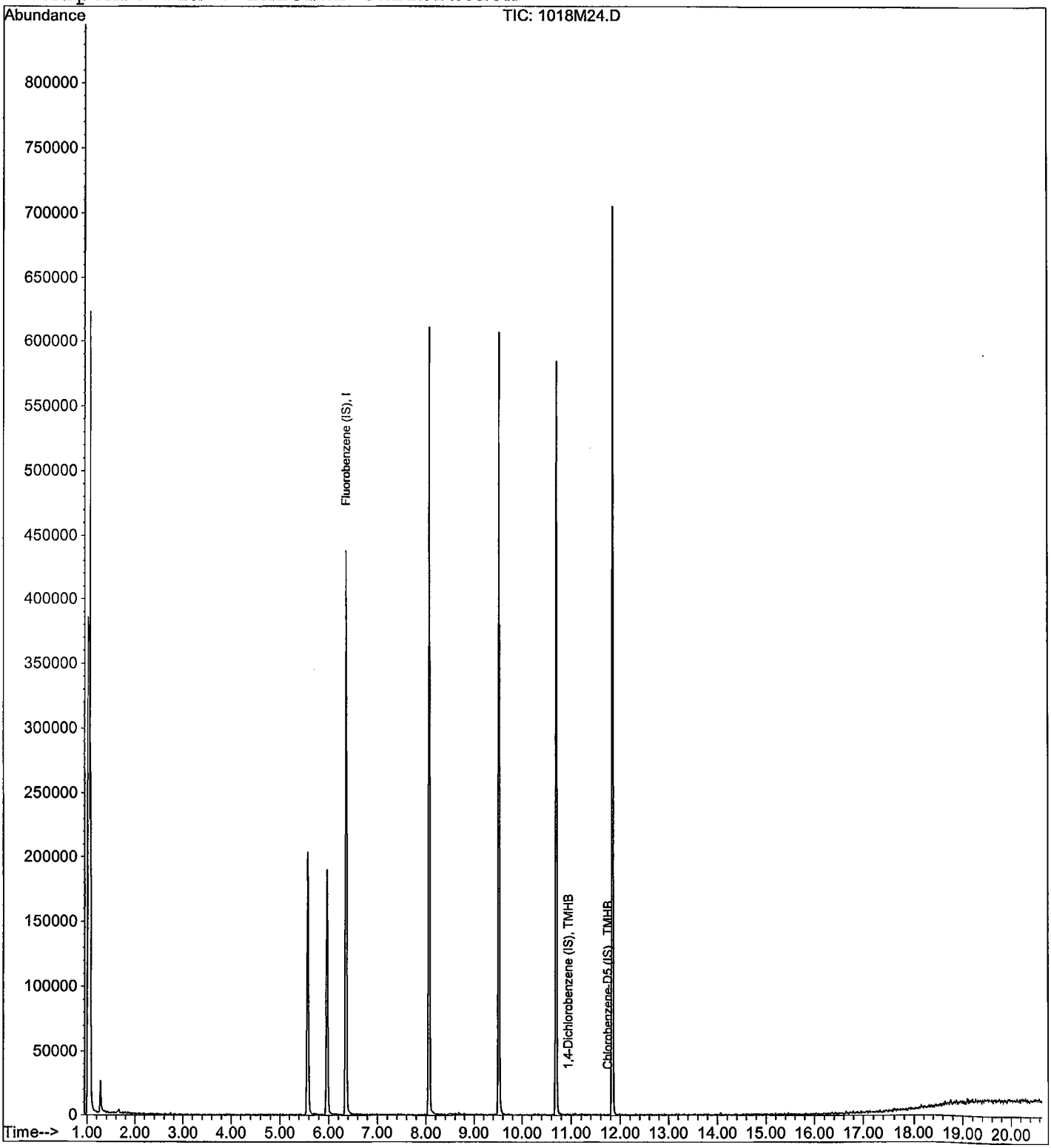
Quantitation Report

Data File : M:\MAX\DATA\211015\1018M24.D
Acq On : 19 Oct 21 1:10
Sample : BA43149W01
Misc : IS&S 8/4/21

Vial: 24
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Nov 11 14:38 2021 Quant Results File: MGAS0825.RES

Method : M:\MAX\DATA\211015\MGAS0825.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 16:19:36 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\211015\1018M25.D Vial: 25
Acq On : 19 Oct 21 1:38 Operator: LP,DG,CH
Sample : BA43150W01 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Nov 11 14:39 2021 Quant Results File: MGAS0825.RES

Quant Method : M:\MAX\DATA\211015\MGAS0825.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 16:19:36 2021
Response via : Initial Calibration
DataAcq Meth : M8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.36	TIC	441259	25.000	ppb	0.14
3) Chlorobenzene-D5 (IS)	11.75	TIC	407161m	25.000	ppb	0.00
4) 1,4-Dichlorobenzene (IS)	10.94	TIC	8562m	25.000	ppb	0.00

System Monitoring Compounds

Target Compounds Qvalue

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

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211015\1018M25.D Vial: 25
Acq On : 19 Oct 21 1:38 Operator: LP,DG,CH
Sample : BA43150W01 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Nov 11 15:37 2021 Quant Results File: SURR015W.RES

Quant Method : M:\MAX\DATA\211015\SURR015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 14:01:48 2021
Response via : Initial Calibration
DataAcq Meth : M8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.36	96	383130	25.000	ppb	0.02
4) Chlorobenzene-D5 (IS)	9.51	117	336855	25.000	ppb	0.02
7) 1,4-Dichlorobenzene-D (IS)	11.83	152	207669	25.000	ppb	0.01
System Monitoring Compounds						
2) Dibromofluoromethane(S)	5.58	111	120242	25.270	ppb	0.02
Spiked Amount 25.000			Recovery = 101.080%			
3) 1,2-DCA-D4(S)	5.97	65	83176	25.062	ppb	0.02
Spiked Amount 25.000			Recovery = 100.248%			
5) Toluene-D8(S)	8.06	98	385840	24.921	ppb	0.01
Spiked Amount 25.000			Recovery = 99.684%			
6) 4-Bromofluorobenzene(S)	10.69	95	156684	25.057	ppb	0.01
Spiked Amount 25.000			Recovery = 100.228%			

Target Compounds Qvalue

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

Quantitation Report

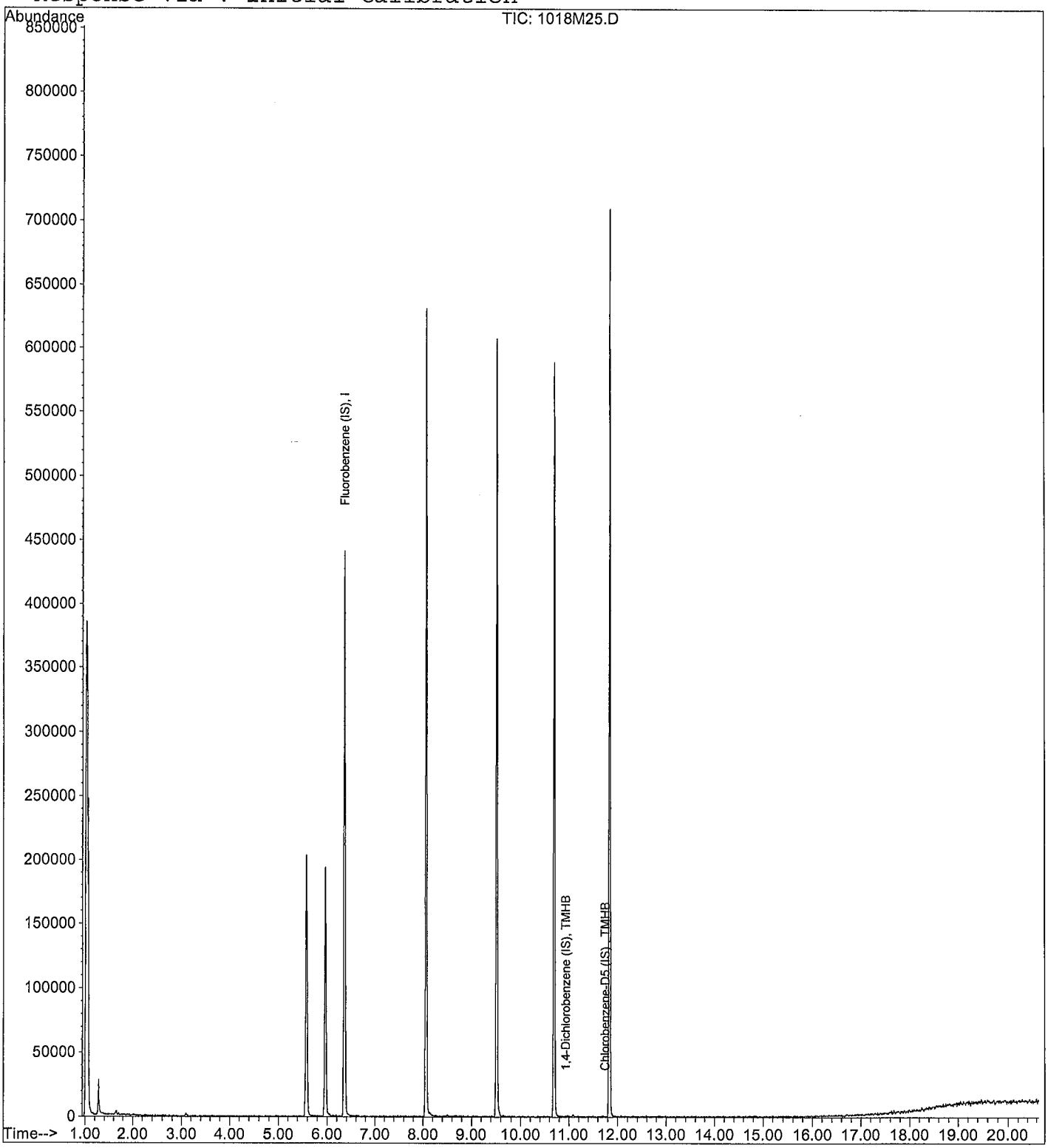
Data File : M:\MAX\DATA\211015\1018M25.D
Acq On : 19 Oct 21 1:38
Sample : BA43150W01
Misc : IS&S 8/4/21

Vial: 25
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Nov 11 14:39 2021

Quant Results File: MGAS0825.RES

Method : M:\MAX\DATA\211015\MGAS0825.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 16:19:36 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\211015\1018M26.D Vial: 26
Acq On : 19 Oct 21 2:06 Operator: LP,DG,CH
Sample : BA43151W01 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Nov 11 14:39 2021 Quant Results File: MGAS0825.RES

Quant Method : M:\MAX\DATA\211015\MGAS0825.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 16:19:36 2021
Response via : Initial Calibration
DataAcq Meth : M8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.36	TIC	419904	25.000	ppb	0.15
3) Chlorobenzene-D5 (IS)	11.75	TIC	412724m	25.000	ppb	0.00
4) 1,4-Dichlorobenzene (IS)	10.94	TIC	5933m	25.000	ppb	0.00

System Monitoring Compounds

Target Compounds Qvalue

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

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211015\1018M26.D Vial: 26
Acq On : 19 Oct 21 2:06 Operator: LP,DG,CH
Sample : BA43151W01 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Nov 11 15:37 2021 Quant Results File: SURR015W.RES

Quant Method : M:\MAX\DATA\211015\SURR015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 14:01:48 2021
Response via : Initial Calibration
DataAcq Meth : M8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.36	96	367578	25.000	ppb	0.02
4) Chlorobenzene-D5 (IS)	9.51	117	321662	25.000	ppb	0.02
7) 1,4-Dichlorobenzene-D (IS)	11.84	152	203544	25.000	ppb	0.02
System Monitoring Compounds						
2) Dibromofluoromethane(S)	5.58	111	115046	25.201	ppb	0.02
Spiked Amount 25.000			Recovery = 100.804%			
3) 1,2-DCA-D4(S)	5.97	65	74864	23.512	ppb	0.02
Spiked Amount 25.000			Recovery = 94.048%			
5) Toluene-D8(S)	8.07	98	374888	25.357	ppb	0.02
Spiked Amount 25.000			Recovery = 101.428%			
6) 4-Bromofluorobenzene(S)	10.69	95	147397	24.685	ppb	0.02
Spiked Amount 25.000			Recovery = 98.740%			

Target Compounds Qvalue

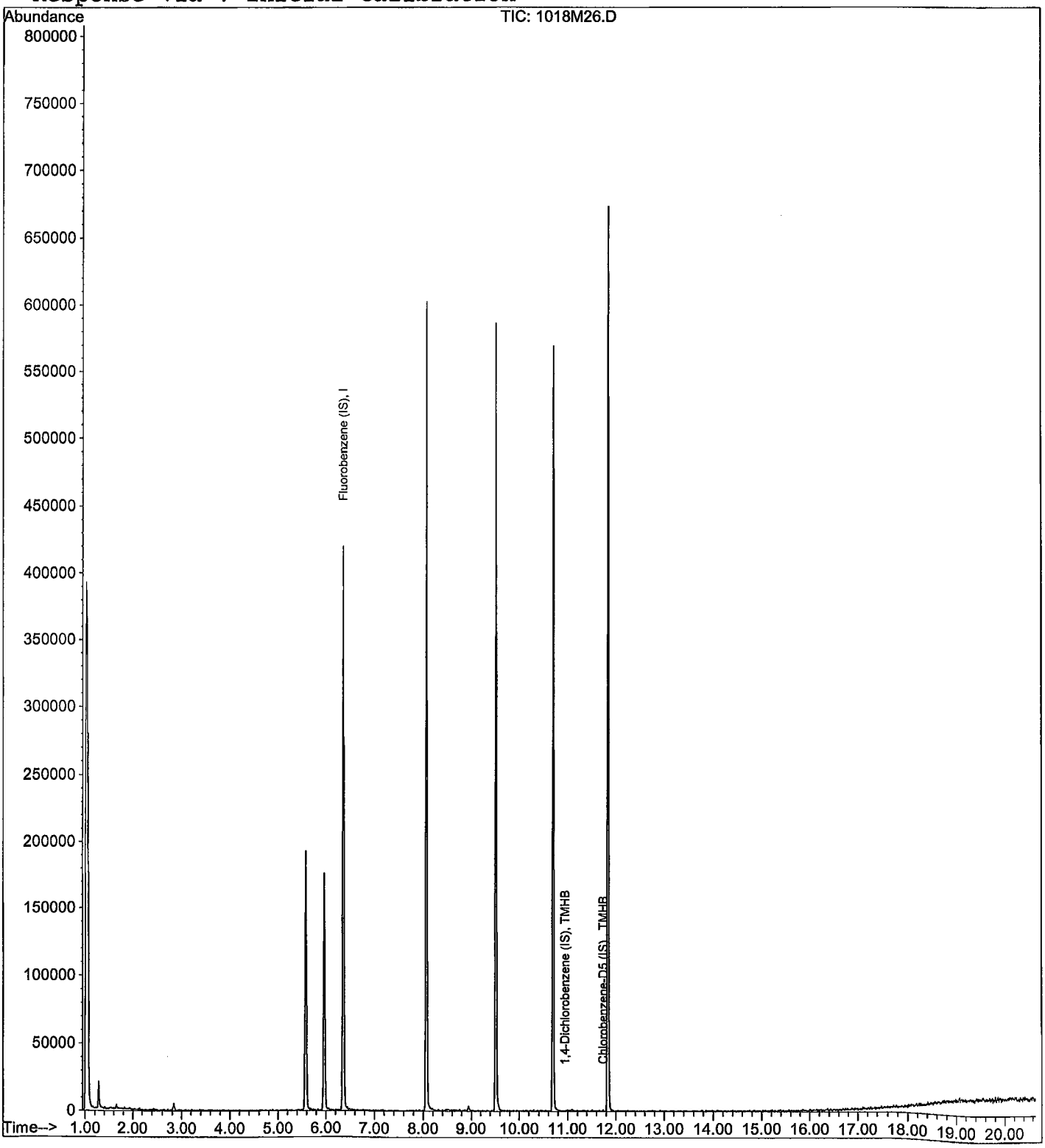
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\MAX\DATA\211015\1018M26.D Vial: 26
Acq On : 19 Oct 21 2:06 Operator: LP,DG,CH
Sample : BA43151W01 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Nov 11 14:39 2021 Quant Results File: MGAS0825.RES

Method : M:\MAX\DATA\211015\MGAS0825.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 16:19:36 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\211015\1018M08.D Vial: 8
Acq On : 18 Oct 21 17:36 Operator: LP,DG,CH
Sample : 211018A BLK Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Nov 11 14:34 2021 Quant Results File: MGAS0825.RES

Quant Method : M:\MAX\DATA\211015\MGAS0825.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 16:19:36 2021
Response via : Initial Calibration
DataAcq Meth : M8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.36	TIC	427124	25.000	ppb	0.15
3) Chlorobenzene-D5 (IS)	11.75	TIC	429304m	25.000	ppb	0.00
4) 1,4-Dichlorobenzene (IS)	10.94	TIC	7416m	25.000	ppb	0.00

System Monitoring Compounds

Target Compounds Qvalue

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

Quantitation Report

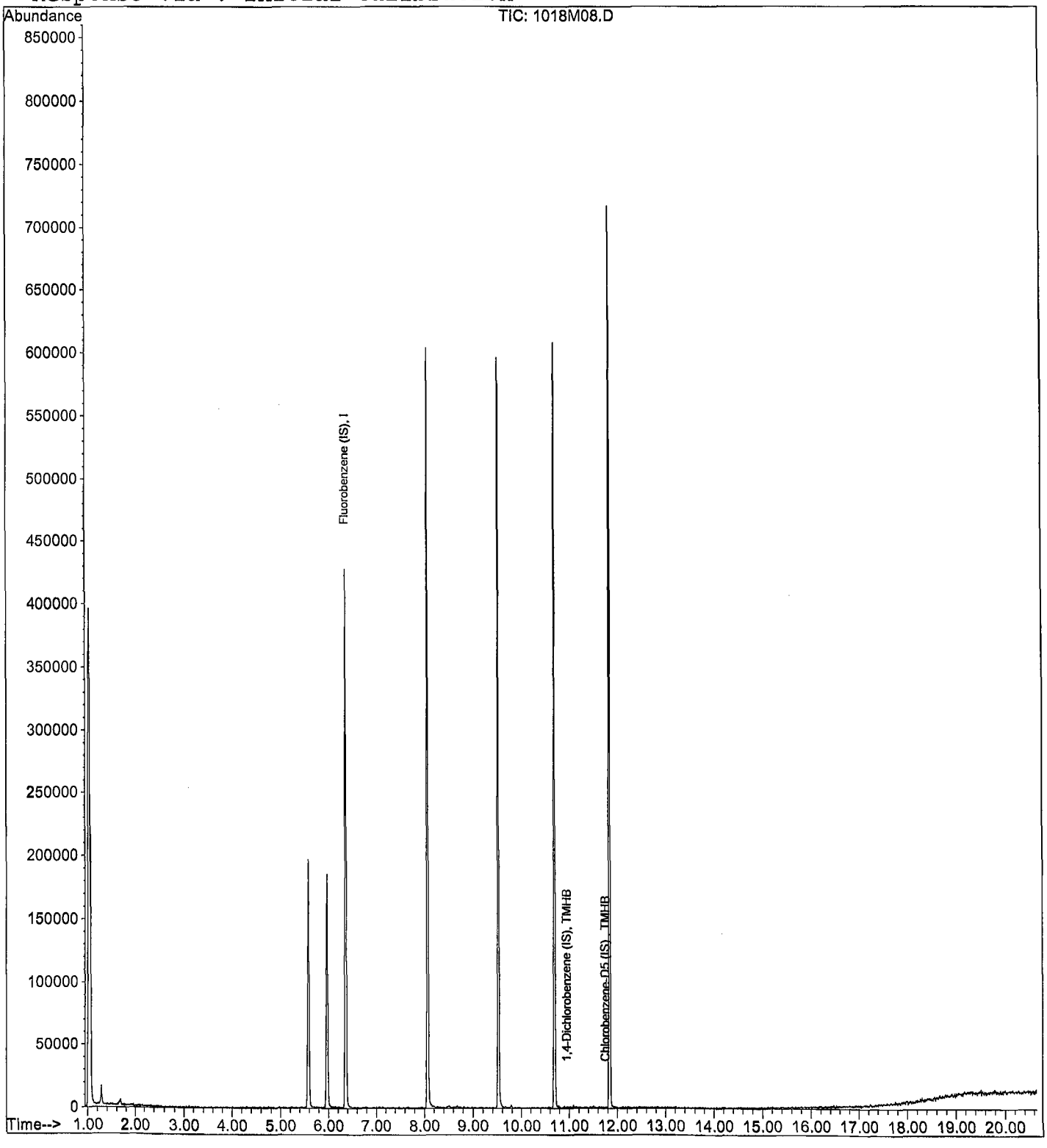
Data File : M:\MAX\DATA\211015\1018M08.D
Acq On : 18 Oct 21 17:36
Sample : 211018A BLK
Misc : IS&S 8/4/21

Vial: 8
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Nov 11 14:34 2021

Quant Results File: MGAS0825.RES

Method : M:\MAX\DATA\211015\MGAS0825.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 16:19:36 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211015\1018M08.D Vial: 8
Acq On : 18 Oct 21 17:36 Operator: LP,DG,CH
Sample : 211018A BLK Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Nov 11 15:36 2021 Quant Results File: SURR015W.RES

Quant Method : M:\MAX\DATA\211015\SURR015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 14:01:48 2021
Response via : Initial Calibration
DataAcq Meth : M8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.36	96	366681	25.000	ppb	0.02
4) Chlorobenzene-D5 (IS)	9.51	117	325488	25.000	ppb	0.02
7) 1,4-Dichlorobenzene-D (IS)	11.84	152	211610	25.000	ppb	0.02
System Monitoring Compounds						
2) Dibromofluoromethane(S)	5.58	111	113588	24.942	ppb	0.02
Spiked Amount 25.000			Recovery =	99.768%		
3) 1,2-DCA-D4(S)	5.97	65	76456	24.071	ppb	0.02
Spiked Amount 25.000			Recovery =	96.284%		
5) Toluene-D8(S)	8.07	98	378310	25.288	ppb	0.02
Spiked Amount 25.000			Recovery =	101.152%		
6) 4-Bromofluorobenzene(S)	10.69	95	150504	24.909	ppb	0.02
Spiked Amount 25.000			Recovery =	99.636%		

Target Compounds	Qvalue

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

Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\211015\1018M06.D Vial: 6
Acq On : 18 Oct 21 16:40 Operator: LP,DG,CH
Sample : 211018A LCS 300ug/L Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Nov 11 14:35 2021 Quant Results File: MGAS0825.RES

Quant Method : M:\MAX\DATA\211015\MGAS0825.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 16:19:36 2021
Response via : Initial Calibration
DataAcq Meth : M8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.36	TIC	434982	25.000	ppb	0.15
3) Chlorobenzene-D5 (IS)	11.75	TIC	438351m	25.000	ppb	0.00
4) 1,4-Dichlorobenzene (IS)	10.94	TIC	121333m	25.000	ppb	0.00
System Monitoring Compounds						
Target Compounds						Qvalue
2) Gasoline C6-C10	9.51	TIC	6905671m	345.858	ppb	100

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

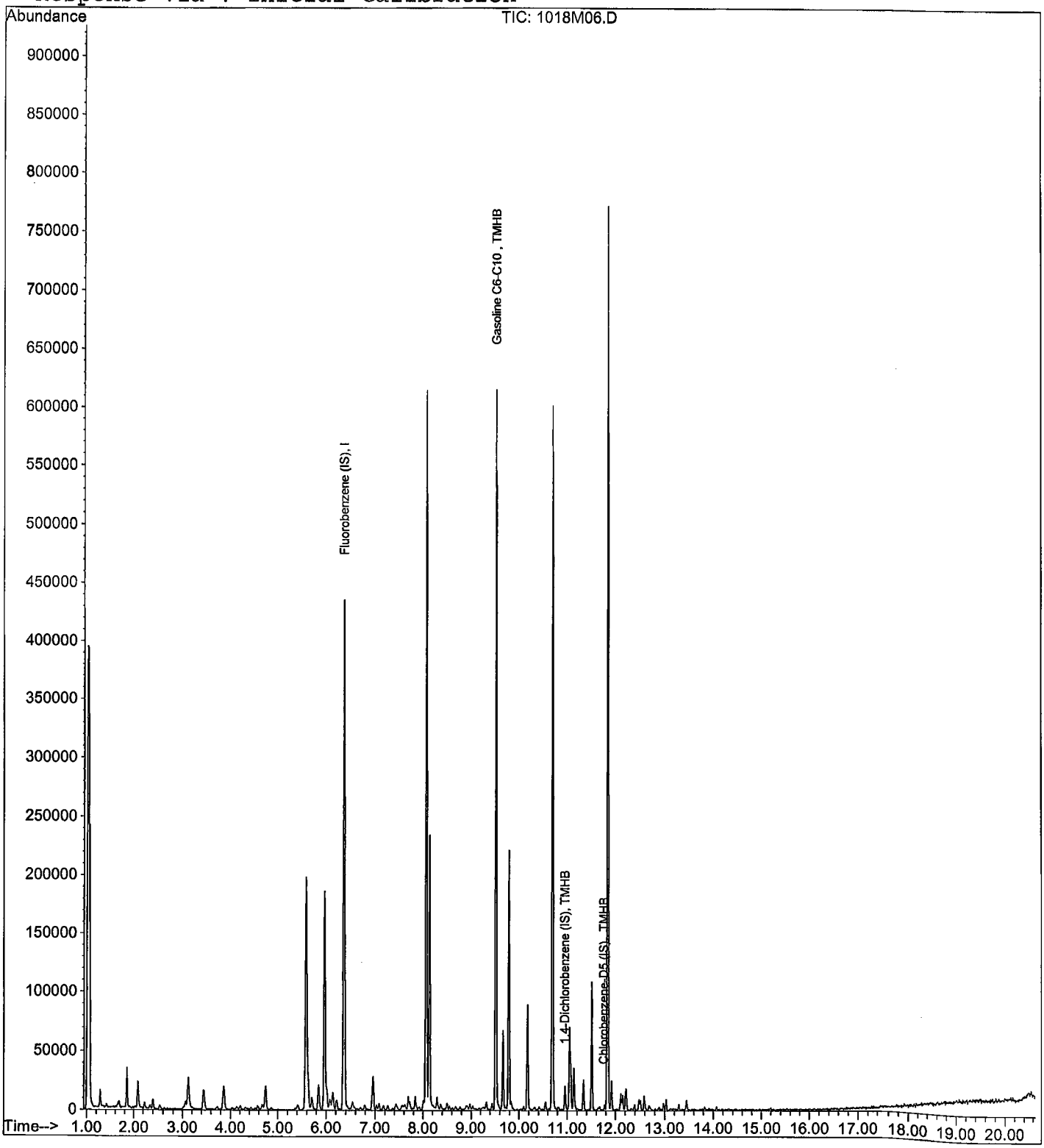
Quantitation Report

Data File : M:\MAX\DATA\211015\1018M06.D
Acq On : 18 Oct 21 16:40
Sample : 211018A LCS 300ug/L
Misc : IS&S 8/4/21

Vial: 6
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Nov 11 14:35 2021 Quant Results File: MGAS0825.RES

Method : M:\MAX\DATA\211015\MGAS0825.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 16:19:36 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211015\1018M06.D Vial: 6
Acq On : 18 Oct 21 16:40 Operator: LP,DG,CH
Sample : 211018A LCS 300ug/L Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Nov 11 15:36 2021 Quant Results File: SURR015W.RES

Quant Method : M:\MAX\DATA\211015\SURR015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 14:01:48 2021
Response via : Initial Calibration
DataAcq Meth : M8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.36	96	380251	25.000	ppb	0.02
4) Chlorobenzene-D5 (IS)	9.51	117	332248	25.000	ppb	0.02
7) 1,4-Dichlorobenzene-D (IS)	11.83	152	219007	25.000	ppb	0.01
System Monitoring Compounds						
2) Dibromofluoromethane(S)	5.58	111	114088	24.158	ppb	0.02
Spiked Amount 25.000			Recovery =	96.632%		
3) 1,2-DCA-D4(S)	5.97	65	80120	24.324	ppb	0.02
Spiked Amount 25.000			Recovery =	97.296%		
5) Toluene-D8(S)	8.07	98	380844	24.939	ppb	0.02
Spiked Amount 25.000			Recovery =	99.756%		
6) 4-Bromofluorobenzene(S)	10.69	95	154222	25.005	ppb	0.02
Spiked Amount 25.000			Recovery =	100.020%		

Target Compounds Qvalue

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

Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\211015\1018M07.D Vial: 7
Acq On : 18 Oct 21 17:08 Operator: LP,DG,CH
Sample : 211018A LCSD 300ug/L Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Nov 11 14:36 2021 Quant Results File: MGAS0825.RES

Quant Method : M:\MAX\DATA\211015\MGAS0825.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 16:19:36 2021
Response via : Initial Calibration
DataAcq Meth : M8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.36	TIC	439321	25.000	ppb	0.15
3) Chlorobenzene-D5 (IS)	11.75	TIC	460030m	25.000	ppb	0.00
4) 1,4-Dichlorobenzene (IS)	10.94	TIC	119691m	25.000	ppb	0.00
System Monitoring Compounds						
Target Compounds						Qvalue
2) Gasoline C6-C10	8.07	TIC	6863106m	328.794	ppb	100

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

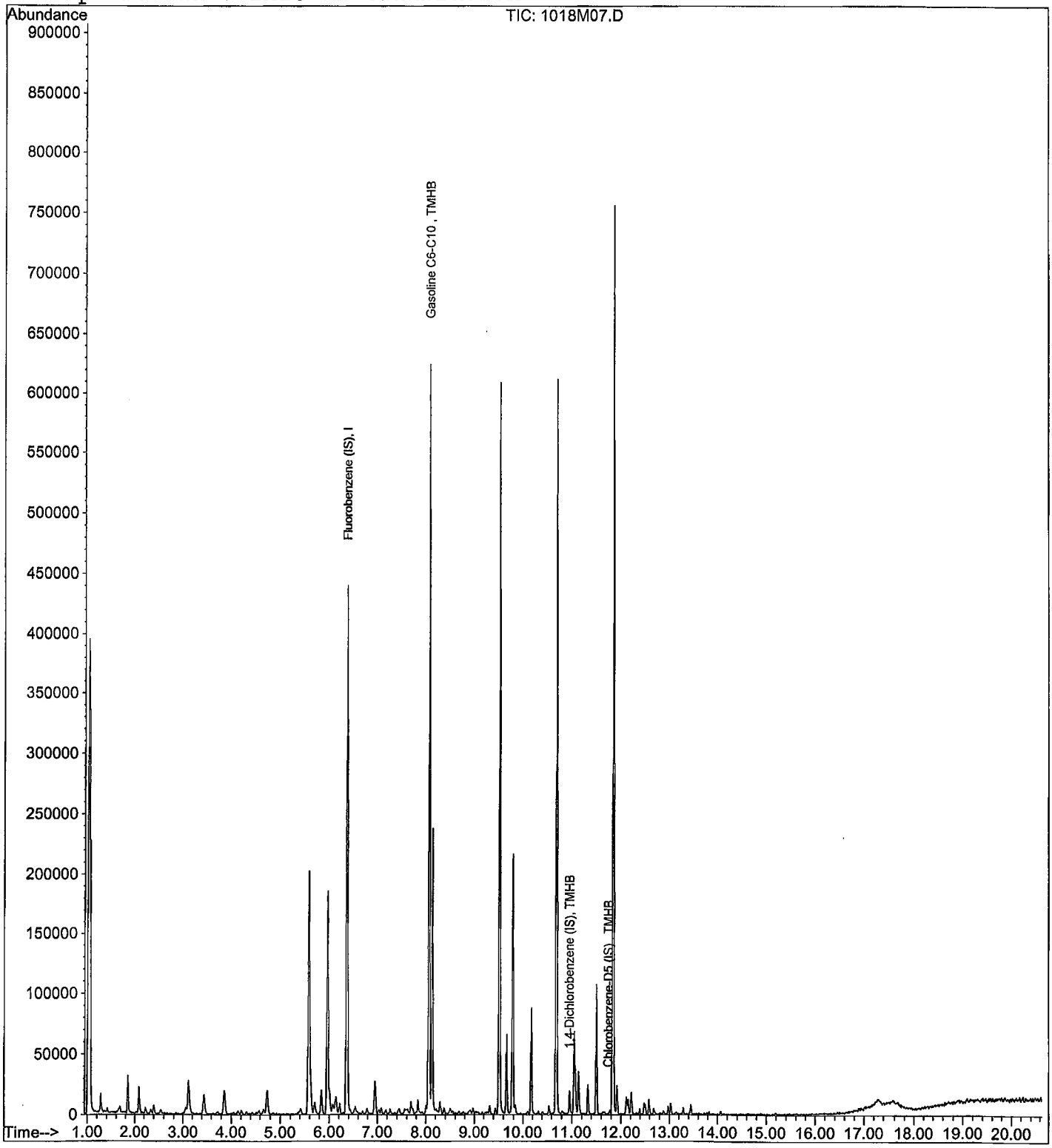
Quantitation Report

Data File : M:\MAX\DATA\211015\1018M07.D
Acq On : 18 Oct 21 17:08
Sample : 211018A LCSD 300ug/L
Misc : IS&S 8/4/21

Vial: 7
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Nov 11 14:36 2021 Quant Results File: MGAS0825.RES

Method : M:\MAX\DATA\211015\MGAS0825.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 16:19:36 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211015\1018M07.D Vial: 7
Acq On : 18 Oct 21 17:08 Operator: LP,DG,CH
Sample : 211018A LCSD 300ug/L Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Nov 11 15:36 2021 Quant Results File: SURR015W.RES

Quant Method : M:\MAX\DATA\211015\SURR015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 14:01:48 2021
Response via : Initial Calibration
DataAcq Meth : M8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.36	96	373790	25.000	ppb	0.02
4) Chlorobenzene-D5 (IS)	9.51	117	335443	25.000	ppb	0.02
7) 1,4-Dichlorobenzene-D (IS)	11.84	152	218523	25.000	ppb	0.02
System Monitoring Compounds						
2) Dibromofluoromethane(S)	5.58	111	114700	24.707	ppb	0.02
Spiked Amount 25.000			Recovery =	98.828%		
3) 1,2-DCA-D4(S)	5.97	65	81520	25.177	ppb	0.02
Spiked Amount 25.000			Recovery =	100.708%		
5) Toluene-D8(S)	8.07	98	382537	24.812	ppb	0.02
Spiked Amount 25.000			Recovery =	99.248%		
6) 4-Bromofluorobenzene(S)	10.69	95	158684	25.484	ppb	0.02
Spiked Amount 25.000			Recovery =	101.936%		

Target Compounds Qvalue

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

MAX Gas Standard Prep

Gas Primary Working Standard

Prepared: 6/23/2021 — **Prepared By (Initials):** CH

Expires: 1/4/2022

Methanol Lot No.

Initial Standard Information							Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	Supplier P/N#	Conc. (ug/mL)	Lot Number - QA Number	Exp. Date (1 yr)	Exp. Date (Manufacturers)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/mL)
50,000ug/mL Gas STD	Restek	30205	50,000	A0132443	1/4/2022	12/31/2024	80uL	2mL	Methanol	2,000

Gas Second Source (SS) Working Standard

Prepared: 3/31/2021 — **Prepared By (Initials):** CH

Expires: 1/31/1930

Methanol Lot No.

Initial Standard Information							Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	Supplier P/N#	Conc. (ug/mL)	Lot Number - QA Number	Exp. Date (1 yr)	Exp. Date (Manufacturers)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/mL)
Gasoline (50,000ppm)	Phenova	ALO-101543	50,000	CL14915-51175	1/4/2022	1/31/1930	80uL	2mL	Methanol	2,000

MAX Gas Calibration Curve

Prepared: 8/25/2021 — **Prepared By (Initials):** CH

Expires: 10/24/2021

Initial Standard Information							Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	APPL Mix Name	Conc. (ug/mL)	Reference To APPL Prep Date	Exp. Date	Exp. Date (Manufacturers)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/L)
VOA Gasses Standards	Phenova	20ug/L	2,000	Prepared 06/23/21	1/4/2022	N/A	1uL	100mL	P&T Water	20
VOA Gasses Standards	Phenova	50ug/L	2,000	Prepared 06/23/21	1/4/2022	N/A	2.5uL	100mL	P&T Water	50
VOA Gasses Standards	Phenova	100ug/L	2,000	Prepared 06/23/21	1/4/2022	N/A	5uL	100mL	P&T Water	100
VOA Gasses Standards	Phenova	300ug/L	2,000	Prepared 06/23/21	1/4/2022	N/A	15uL	100mL	P&T Water	300
VOA Gasses Standards	Phenova	600ug/L	2,000	Prepared 06/23/21	1/4/2022	N/A	30uL	100mL	P&T Water	600
VOA Gasses Standards	Phenova	800ug/L	2,000	Prepared 06/23/21	1/4/2022	N/A	40uL	100mL	P&T Water	800
VOA Gasses Standards	Phenova	1,000ug/L	2,000	Prepared 06/23/21	1/4/2022	N/A	50uL	100mL	P&T Water	1,000

Zeus Gas Second Source

Prepared: 8/25/2021 — **Prepared By (Initials):** CH

Expires: 10/24/2021

Initial Standard Information							Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	APPL Mix Name	Conc. (ug/mL)	Reference To APPL Prep Date	Exp. Date	Exp. Date (Manufacturers)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/L)
50,000ug/mL Gas STD	Phenova	SS 300ug/L	2,000	Prepared 03/31/21	1/31/1930	N/A	15uL	100mL	P&T Water	300

MAX Gas Continuing Calibrations/Lab Control Spikes

Prepared: 8/25/2021 — **Prepared By (Initials):** CH

Expires: 8/26/2021

Initial Standard Information							Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	Supplier P/N#	Conc. (ug/mL)	Lot Number - QA Number	Exp. Date (1 yr)	Exp. Date (Manufacturers)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/mL)
VOA Gasses Standards	Phenova	300ug/L	2,000	Prepared 06/23/21	1/4/2022	N/A	15uL	100mL	P&T Water	300

MAX Gas Standard Prep

Gas Primary Working Standard

Prepared: 6/23/2021 — **Prepared By (Initials): CH**

Expires: 1/4/2022

Methanol Lot No.

Initial Standard Information							Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	Supplier P/N#	Conc. (ug/mL)	Lot Number - QA Number	Exp. Date (1 yr)	Exp. Date (Manufacturers)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/mL)
50,000ug/mL Gas STD	Restek	30205	50,000	A0132443	1/4/2022	12/31/2024	80uL	2mL	Methanol	2,000

Gas Second Source (SS) Working Standard

Prepared: 3/31/2021 — **Prepared By (Initials): CH**

Expires: 1/31/1930

Methanol Lot No.

Initial Standard Information							Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	Supplier P/N#	Conc. (ug/mL)	Lot Number - QA Number	Exp. Date (1 yr)	Exp. Date (Manufacturers)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/mL)
Gasoline (50,000ppm)	Phenova	ALO-101543	50,000	CL14915-51175	1/4/2022	1/31/1930	80uL	2mL	Methanol	2,000

MAX Gas Calibration Curve

Prepared: 8/25/2021 — **Prepared By (Initials): CH**

Expires: 10/24/2021

Initial Standard Information							Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	APPL Mix Name	Conc. (ug/mL)	Reference To APPL Prep Date	Exp. Date	Exp. Date (Manufacturers)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/L)
VOA Gasses Standards	Phenova	20ug/L	2,000	Prepared 06/23/21	1/4/2022	N/A	1uL	100mL	P&T Water	20
VOA Gasses Standards	Phenova	50ug/L	2,000	Prepared 06/23/21	1/4/2022	N/A	2.5uL	100mL	P&T Water	50
VOA Gasses Standards	Phenova	100ug/L	2,000	Prepared 06/23/21	1/4/2022	N/A	5uL	100mL	P&T Water	100
VOA Gasses Standards	Phenova	300ug/L	2,000	Prepared 06/23/21	1/4/2022	N/A	15uL	100mL	P&T Water	300
VOA Gasses Standards	Phenova	600ug/L	2,000	Prepared 06/23/21	1/4/2022	N/A	30uL	100mL	P&T Water	600
VOA Gasses Standards	Phenova	800ug/L	2,000	Prepared 06/23/21	1/4/2022	N/A	40uL	100mL	P&T Water	800
VOA Gasses Standards	Phenova	1,000ug/L	2,000	Prepared 06/23/21	1/4/2022	N/A	50uL	100mL	P&T Water	1,000

Zeus Gas Second Source

Prepared: 8/25/2021 — **Prepared By (Initials): CH**

Expires: 10/24/2021

Initial Standard Information							Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	APPL Mix Name	Conc. (ug/mL)	Reference To APPL Prep Date	Exp. Date	Exp. Date (Manufacturers)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/L)
50,000ug/mL Gas STD	Phenova	SS 300ug/L	2,000	Prepared 03/31/21	1/31/1930	N/A	15uL	100mL	P&T Water	300

MAX Gas Continuing Calibrations/Lab Control Spikes

Prepared: 8/25/2021 — **Prepared By (Initials): CH**

Expires: 8/26/2021

Initial Standard Information							Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	Supplier P/N#	Conc. (ug/mL)	Lot Number - QA Number	Exp. Date (1 yr)	Exp. Date (Manufacturers)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/mL)
VOA Gasses Standards	Phenova	300ug/L	2,000	Prepared 06/23/21	1/4/2022	N/A	15uL	100mL	P&T Water	300

Injection Log

Directory: M:\MAX\DATA\210825\

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	13	0825M23.D	1	20ug/L GAS STD 8/25/21	IS&S 6/4/21	25 Aug 21 20:23
2	14	0825M24.D	1	50ug/L GAS STD 8/25/21	IS&S 6/4/21	25 Aug 21 20:51
3	15	0825M25.D	1	100ug/L GAS STD 8/25/21	IS&S 6/4/21	25 Aug 21 21:19
4	16	0825M26.D	1	300ug/L GAS STD 8/25/21	IS&S 6/4/21	25 Aug 21 21:47
5	17	0825M27.D	1	600ug/L GAS STD 8/25/21	IS&S 6/4/21	25 Aug 21 22:14
6	18	0825M28.D	1	800ug/L GAS STD 8/25/21	IS&S 6/4/21	25 Aug 21 22:42
7	19	0825M29.D	1	1000ug/L GAS STD 8/25/21	IS&S 6/4/21	25 Aug 21 23:10
8	21	0825M31.D	1	(SS) 300ug/L GAS STD 8/25/21	IS&S 6/4/21	26 Aug 21 00:06
9	2	1015M12.D	1	0.3ug/L VOC STD 10/15/21	IS&S 8/4/21	15 Oct 21 15:12
10	3	1015M13.D	1	0.5ug/L VOC STD 10/15/21	IS&S 8/4/21	15 Oct 21 15:41
11	4	1015M14.D	1	1ug/L VOC STD 10/15/21	IS&S 8/4/21	15 Oct 21 16:09
12	5	1015M15.D	1	2ug/L VOC STD 10/15/21	IS&S 8/4/21	15 Oct 21 16:38
13	6	1015M16.D	1	5ug/L VOC STD 10/15/21	IS&S 8/4/21	15 Oct 21 17:06
14	7	1015M17.D	1	10ug/L VOC STD 10/15/21	IS&S 8/4/21	15 Oct 21 17:35
15	8	1015M18.D	1	20ug/L VOC STD 10/15/21	IS&S 8/4/21	15 Oct 21 18:03
16	9	1015M19.D	1	40ug/L VOC STD 10/15/21	IS&S 8/4/21	15 Oct 21 18:31
17	10	1015M20.D	1	100ug/L VOC STD 10/15/21	IS&S 8/4/21	15 Oct 21 19:00
18	5	1018M05.D	1	211018A CCV 300ug/L	IS&S 8/4/21	18 Oct 21 16:11
19	6	1018M06.D	1	211018A LCS 300ug/L	IS&S 8/4/21	18 Oct 21 16:40
20	7	1018M07.D	1	211018A LCSD 300ug/L	IS&S 8/4/21	18 Oct 21 17:08
21	8	1018M08.D	1	211018A BLK	IS&S 8/4/21	18 Oct 21 17:36
22	19	1018M19.D	1	BA43144W01	IS&S 8/4/21	18 Oct 21 22:48
23	20	1018M20.D	1	BA43145W01	IS&S 8/4/21	18 Oct 21 23:17
24	21	1018M21.D	1	BA43146W01	IS&S 8/4/21	18 Oct 21 23:45
25	22	1018M22.D	1	BA43147W01	IS&S 8/4/21	19 Oct 21 00:13
26	23	1018M23.D	1	BA43148W01	IS&S 8/4/21	19 Oct 21 00:41
27	24	1018M24.D	1	BA43149W01	IS&S 8/4/21	19 Oct 21 1:10
28	25	1018M25.D	1	BA43150W01	IS&S 8/4/21	19 Oct 21 1:38
29	26	1018M26.D	1	BA43151W01	IS&S 8/4/21	19 Oct 21 2:06
30	28	1018M28.D	1	Ending CCV 300ug/L 10/18/21	IS&S 8/4/21	19 Oct 21 3:03

INORGANIC ANALYSIS
Calibration and Raw Data

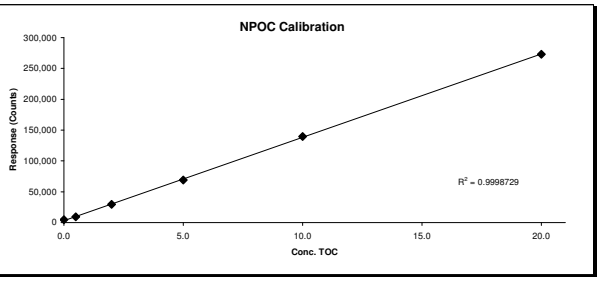
TOTAL ORGANIC CARBON

Method: WetChem | Units mg/L | Instrument: Tic Toc

Analyte: TOC | QCG: 211105A

Analyist: EA | Final Volume: 40mL

Date	Time	Appl ID	[TOC]	Raw	% Recovery
10/25/2021	19:20	QC blank	0.00	4558	
10/25/2021	19:56	Ical 1	0.50	9475	
10/25/2021	20:28	Ical 2	2.00	29763	
10/25/2021	21:02	Ical 3	5.00	69278	
10/25/2021	21:35	Ical 4	10.00	139847	
10/25/2021	22:08	Ical 5	20.00	273227	
10/25/2021	10:03	ICB	0.08	2197	
10/25/2021	10:39	ICV	10.40	144915	105.5%



Date	Time	Appl ID	DF	Raw Result	SubSample Amount	Filter Blank Subtract	Calc Conc	Result	Range (mg/L)	QC True	% Recovery
2021-11-05	04:43 PM	QCB	1	3955	40mL	0.000	0	0.00	0.00		
2021-11-05	05:26 PM	211105A CCV 1	1	63165	40mL	0.000	4.387	4.39	0.00	5.00	87.7%
2021-11-05	06:08 PM	211105A CCB 1	1	2560	40mL	0.000	0	0.00	0.00		
2021-11-05	06:50 PM	211105A LCS	1	63683	40mL	0.000	4.535	4.54	0.02	5.00	90.7%
2021-11-05	07:32 PM	211105A LCSD	1	64482	40mL	0.000	4.594	4.59	0.10	5.00	91.9%
2021-11-05	08:13 PM	BA43145W05 DF5	5	59301	40mL	0.000	4.21	21.05	0.36		
2021-11-05	08:56 PM	BA43147W06 DF 5	5	51041	40mL	0.000	3.598	17.99	0.63		
2021-11-05	09:39 PM	BA44054W06	1	25518	40mL	0.000	1.707	1.71	0.01		
2021-11-05	10:20 PM	BA44667W01	1	25760	40mL	0.000	1.724	1.72	0.03		
2021-11-05	11:02 PM	BA45108W05	1	20599	40mL	0.000	1.343	1.34	0.11		
2021-11-05	11:45 PM	BA45110W06	1	45760	40mL	0.000	3.207	3.21	0.19		
2021-11-06	12:26 AM	BA45112W05	1	23232	40mL	0.000	1.538	1.54	0.16		
2021-11-06	01:08 AM	BA45114W05	1	7354	40mL	0.000	0.361	0.36	0.22		
2021-11-06	01:49 AM	BA45105W05	1	3477	40mL	0.000	0.074	0.07	0.05		
2021-11-06	02:31 AM	BA45100W05	1	3353	40mL	0.000	0.065	0.07	0.02		
2021-11-06	03:12 AM	211105A CCV 2	1	59423	40mL	0.000	4.11	4.11	0.04	5.00	82.2%
2021-11-06	03:55 AM	211105A CCB 2	1	1924	40mL	0.000	0	0.00	0.00		

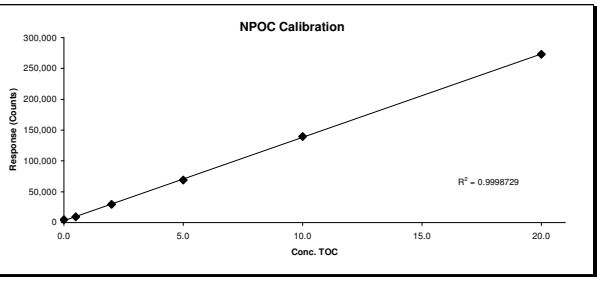
TOTAL ORGANIC CARBON

Method: WetChem | Units mg/L | Instrument: Tic Toc

Analyte: TOC | QCG: 211104A

Analyist: EA | Final Volume: 40mL

Date	Time	Appl ID	[TOC]	Raw	% Recovery
10/25/2021	19:20	QC blank	0.00	4558	
10/25/2021	19:56	Ical 1	0.50	9475	
10/25/2021	20:28	Ical 2	2.00	29763	
10/25/2021	21:02	Ical 3	5.00	69278	
10/25/2021	21:35	Ical 4	10.00	139847	
10/25/2021	22:08	Ical 5	20.00	273227	
10/25/2021	10:03	ICB	0.08	2197	
10/25/2021	10:39	ICV	10.40	144915	105.5%



Date	Time	Appl ID	DF	Raw Result	SubSample Amount	Filter Blank Subtract	Calc Conc	Result	Range (mg/L)	QC True	% Recovery
2021-11-04	05:41 PM	QCB	1	3868	40mL	0.000	0	0.00	0.00		
2021-11-04	06:24 PM	CCV	1	75338	40mL	0.000	5.296	5.30	0.28	5.00	105.9%
2021-11-04	07:08 PM	211028A CCB	1	2639	40mL	0.000	0	0.00	0.00		
2021-11-04	07:50 PM	211028A LCS	1	76484	40mL	0.000	5.381	5.38	0.47	5.00	107.6%
2021-11-04	08:34 PM	211028A LCSD	1	76001	40mL	0.000	5.345	5.35	0.03	5.00	106.9%
2021-11-04	09:18 PM	BA42992W02	1	5242	40mL	0.000	0.205	0.21	0.07		
2021-11-04	10:00 PM	BA42994W05	1	240118	40mL	0.000	17.608	17.61	0.02		
2021-11-04	10:43 PM	BA42996W06	1	236406	40mL	0.000	17.333	17.33	1.52		
2021-11-04	11:26 PM	BA43145W05	1	284674	40mL	0.000	20.909	20.91	0.61		
2021-11-05	12:11 AM	BA43147W06	1	309316	40mL	0.000	22.736	22.74	1.91		
2021-11-05	12:55 AM	BA43149W06	1	268072	40mL	0.000	19.679	19.68	1.16		
2021-11-05	01:38 AM	BA44379W06	1	6327	40mL	0.000	0.285	0.29	0.13		
2021-11-05	02:20 AM	BA44409W01	1	12197	40mL	0.000	0.72	0.72	0.03		
2021-11-05	04:24 AM	CCV	1	63412	40mL	0.000	4.412	4.41	0.18	5.00	88.2%
2021-11-05	05:06 AM	211028B CCB	1	1899	40mL	0.000	0	0.00	0.00		
2021-11-05	05:49 AM	BA44410W02	1	4426	40mL	0.000	0.144	0.14	0.16		
2021-11-05	06:30 AM	BA44470W02	1	2951	40mL	0.000	0.035	0.04	0.01		
2021-11-05	07:11 AM	BA44471W01	1	3852	40mL	0.000	0.102	0.10	0.00		
2021-11-05	07:53 AM	BA44472W02	1	3507	40mL	0.000	0.076	0.08	0.00		
2021-11-05	08:35 AM	BA41841W09	1	160654	40mL	0.000	11.72	11.72	0.77		
2021-11-05	09:19 AM	CCV	1	62686	40mL	0.000	4.359	4.36	0.56	5.00	87.2%
2021-11-05	10:05 AM	CCB	1	3523	40mL	0.000	0.017	0.02	0.03		

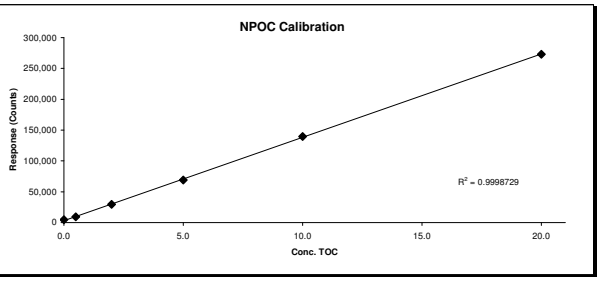
TOTAL ORGANIC CARBON

Method: WetChem | Units mg/L | Instrument: Tic Toc

Analyte: TOC | QCG: 211027A

Analyist: EA | Final Volume: 40mL

Date	Time	Appl ID	[TOC]	Raw	% Recovery
10/25/2021	19:20	QC blank	0.00	4558	
10/25/2021	19:56	Ical 1	0.50	9475	
10/25/2021	20:28	Ical 2	2.00	29763	
10/25/2021	21:02	Ical 3	5.00	69278	
10/25/2021	21:35	Ical 4	10.00	139847	
10/25/2021	22:08	Ical 5	20.00	273227	
10/25/2021	10:03	ICB	0.08	2197	
10/25/2021	10:39	ICV	10.40	144915	105.5%



Date	Time	Appl ID	DF	Raw Result	SubSample Amount	Filter Blank Subtract	Calc Conc	Result	Range (mg/L)	QC True	% Recovery
2021-10-27	04:14 PM	QCB	1	2894	40mL	0.000	0	0.00	0.00		
2021-10-27	09:24 PM	211027A CCV	1	71753	40mL	0.000	5.102	5.10	0.04	5.00	102.0%
2021-10-27	10:10 PM	211027A CCB	1	2333	40mL	0.000	0	0.00	0.00		
2021-10-27	10:55 PM	211027A LCS	1	72028	40mL	0.000	5.123	5.12	0.00	5.00	102.5%
2021-10-27	11:41 PM	211027A LCSD	1	71352	40mL	0.000	5.073	5.07	0.01	5.00	101.5%
2021-10-28	12:27 AM	BA43832W05	1	5605	40mL	0.000	0.232	0.23	0.05		
2021-10-28	01:10 AM	BA44243W01	1	127193	40mL	0.000	9.241	9.24	0.15		
2021-10-28	01:53 AM	BA44244W02	1	13898	40mL	0.000	0.846	0.85	0.08		
2021-10-28	02:35 AM	BA43839W02	1	8474	40mL	0.000	0.444	0.44	0.00		
2021-10-28	03:17 AM	BA43840W01	1	4994	40mL	0.000	0.186	0.19	0.03		
2021-10-28	03:58 AM	BA43837W05	1	4837	40mL	0.000	0.175	0.18	0.02		
2021-10-28	04:40 AM	BA43157W02	1	7965	40mL	0.000	0.406	0.41	0.05		
2021-10-28	05:21 AM	BA43156W01	1	4741	40mL	0.000	0.167	0.17	0.04		
2021-10-28	06:03 AM	BA43555W02	1	4787	40mL	0.000	0.171	0.17	0.01		
2021-10-28	06:45 AM	CCV	1	72640	40mL	0.000	5.168	5.17	0.07	5.00	103.4%
2021-10-28	07:31 AM	211027B CCB	1	2430	40mL	0.000	0	0.00	0.00		
2021-10-28	08:16 AM	BA43151W06	1	219427	40mL	0.000	16.075	16.08	0.06		
2021-10-28	08:59 AM	BA43158W02	1	6431	40mL	0.000	0.293	0.29	0.04		
2021-10-28	09:41 AM	BA44220W05 5310C	1	23329	40mL	0.000	1.545	1.55	0.00		
2021-10-28	10:24 AM	BA44221W05 5310C	1	18979	40mL	0.000	1.222	1.22	0.02		
2021-10-28	11:06 AM	BA44044W01	1	4697	40mL	0.000	0.164	0.16	0.02		
2021-10-28	11:49 AM	BA44045W02	1	11307	40mL	0.000	0.654	0.65	0.01		
2021-10-28	12:32 PM	BA44046W02	1	6046	40mL	0.000	0.264	0.26	0.03		
2021-10-28	01:14 PM	BA44048W05	1	6209	40mL	0.000	0.276	0.28	0.02		
2021-10-28	01:56 PM	BA44050W06	1	65464	40mL	0.000	4.667	4.67	0.27		
2021-10-28	02:40 PM	BA44052W05	1	38074	40mL	0.000	2.638	2.64	0.12		
2021-10-28	03:24 PM	CCV	1	68803	40mL	0.000	4.884	4.88	0.31	5.00	97.7%
2021-10-28	04:10 PM	CCB	1	2389	40mL	0.000	0	0.00	0.00		

Name of Final Standard TOC Calibration Curve — **Prep'd By (Initials)** KS

Prep Date 10/25/2021

Exp Date 10/25/2022

Initial Standard Information						Final Standard Information			
Name of Initial Standard (from contianer Label)	Supplier	Supplier P/N# (or APPL Mix Name)	Conc.(range)	Lot # with QA # (or reference to APPL prep date)	Exp Date	Aliquot from Stock	Final Volume	Final Solvent + Lot# (or APPL Prep Date)	Final Standard Conc (range)
Total Organic Carbon (TOC) Standard Cal 1	Agilent	IQC-106-5	1000 mg/L	0006588597-51848	3/31/2023	20 uL	40 mL	DI Water	0.5 ppm
Total Organic Carbon (TOC) Standard Cal 2	Agilent	IQC-106-5	1000 mg/L	0006588597-51848	3/31/2023	80 uL	40 mL	DI Water	2 ppm
Total Organic Carbon (TOC) Standard Cal 3	Agilent	IQC-106-5	1000 mg/L	0006588597-51848	3/31/2023	200 uL	40 mL	DI Water	5 ppm
Total Organic Carbon (TOC) Standard Cal 4	Agilent	IQC-106-5	1000 mg/L	0006588597-51848	3/31/2023	400 uL	40 mL	DI Water	10 ppm
Total Organic Carbon (TOC) Standard Cal 5	Agilent	IQC-106-5	1000 mg/L	0006588597-51848	3/31/2023	800 uL	40 mL	DI Water	20 ppm

Name of Final Standard ICV (TOC) — **Prep'd By (Initials)** KS

Prep Date 10/25/2021

Exp Date 10/25/2022

Initial Standard Information						Final Standard Information			
Name of Initial Standard (from contianer Label)	Supplier	Supplier P/N# (or APPL Mix Name)	Conc.(range)	Lot # with QA # (or reference to APPL prep date)	Exp Date	Aliquot from Stock	Final Volume	Final Solvent + Lot# (or APPL Prep Date)	Final Standard Conc (range)
1000 PPM ICV TOC Intermediate	APPL Inc.	IQC-106-5	1000 mg/L	0006465171-49409	6/30/2021	400 uL	40mL	DI Water	10 ppm

ICV recertified against the non-expired calibration

Name of Final Standard CCV (TOC) — **Prep'd By (Initials)** EA

Prep Date See Data

Exp Date 1 year

Initial Standard Information						Final Standard Information			
Name of Initial Standard (from contianer Label)	Supplier	Supplier P/N# (or APPL Mix Name)	Conc.(range)	Lot # with QA # (or reference to APPL prep date)	Exp Date	Aliquot from Stock	Final Volume	Final Solvent + Lot# (or APPL Prep Date)	Final Standard Conc (range)
Total Organic Carbon (TOC) Standard	Agilent	IQC-1 06-5	1000 mg/L	0006588597-51848	3/31/2023	200 uL	40 mL	DI Water	5 ppm

Name of Final Standard TOC_LCS/LCSD — **Prep'd By (Initials)** EA

Prep Date See Data

Exp Date 1 year

Initial Standard Information						Final Standard Information			
Name of Initial Standard (from contianer Label)	Supplier	Supplier P/N# (or APPL Mix Name)	Conc.(range)	Lot # with QA # (or reference to APPL prep date)	Exp Date	Aliquot from Stock	Final Volume	Final Solvent + Lot# (or APPL Prep Date)	Final Standard Conc (range)
Total Organic Carbon (TOC) Standard	Agilent	IQC-106-5	1000 mg/L	0006588597-51848	3/31/2023	200 uL	40 mL	DI Water	5 ppm

Name of Final Standard TOC_MS/MSD — **Prep'd By (Initials)** EA

Prep Date See Data

Exp Date 1 year

Initial Standard Information						Final Standard Information			
Name of Initial Standard (from contianer Label)	Supplier	Supplier P/N# (or APPL Mix Name)	Conc.(range)	Lot # with QA # (or reference to APPL prep date)	Exp Date	Aliquot from Stock	Final Volume	Final Solvent + Lot# (or APPL Prep Date)	Final Standard Conc (range)
Total Organic Carbon (TOC) Standard	Agilent	IQC-106-5	1000 mg/L	0006588597-51848	3/31/2023	200 uL	40 mL	sample	5 ppm