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

April 1, 2022

AECOM
1001 Bishop Street, Suite 1600
Honolulu, Hawaii 96813

Attn: Alethea Ramos

Title: Report of Data: Case 97057-rev2

Project: 60571032 CV18F0126 Red Hill Fuel Storage, HI

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

Dear Ms. Ramos:

Eight water samples were received August 6, 2021 and August 9, 2021. Revised written results for the requested analyses are being provided on this April 1, 2022. \

Revision: For the EPA 8260B analysis batch 210819AM, the LCS/LCSD summary was added.

Revision 2: For the EPA 8260B-GRO analysis, the standard tracibility logbook copies are included.

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 97057
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CASE NARRATIVE

Case Narrative

ARF: 97057

Project: 60571032 CV18F0126 Red Hill Fuel Storage. HI

Sample Receipt Information:

Eight water samples were received August 6, 2021 and August 9, 2021 at 3.1°C and 17.1°C. For a list of samples that were received out of temperature, please see AECOM COC page 2/2. The sample group was assigned Analytical Request Form (ARF) number 97057.

Sample Preparation and Analysis Information:

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

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

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

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

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 8260B GRO: Five samples were run one day after hold time.

EPA 8270D SIM: The surrogate Fluoranthene-d10 recovered below the lower control limit in two samples. Fluoranthene-d10 is not associated with the reported target analytes.

SDG	Received	Client ID	APPL ID	Collected DateTime	Matrix	Method	Method Description
97057	8/6/2021	ERH1575	BA37421	8/5/2021 10:10:00 AM	WATER	EPA 8260B	EPA 8260B BTEX WATER
97057	8/6/2021	ERH1575	BA37421	8/5/2021 10:10:00 AM	WATER	EPA 8260B	EPA 8260B GRO WATER
97057	8/6/2021	ERH1576	BA37422	8/5/2021 10:15:00 AM	WATER	EPA 8260B	EPA 8260B BTEX WATER
97057	8/6/2021	ERH1576	BA37422	8/5/2021 10:15:00 AM	WATER	EPA 8015B-eHL	EPA 8015B TPH WATER L-L SGC
97057	8/6/2021	ERH1576	BA37422	8/5/2021 10:15:00 AM	WATER	EPA 8015B-eHL	EPA 8015B TPH LIQ-LIQ
97057	8/6/2021	ERH1576	BA37422	8/5/2021 10:15:00 AM	WATER	EPA 8260B	EPA 8260B GRO WATER
97057	8/6/2021	ERH1576	BA37422	8/5/2021 10:15:00 AM	WATER	8270D-SIM	EPA 8270D SIM LIQ-LIQ
97057	8/6/2021	ERH1576 BLANK	BA37423	8/5/2021 10:15:00 AM	WATER	EPA 8015B-eHL	EPA 8015B TPH LIQ-LIQ
97057	8/6/2021	ERH1577	BA37424	8/5/2021 11:05:00 AM	WATER	EPA 8260B	EPA 8260B BTEX WATER
97057	8/6/2021	ERH1577	BA37424	8/5/2021 11:05:00 AM	WATER	EPA 8260B	EPA 8260B GRO WATER
97057	8/6/2021	ERH1578	BA37425	8/5/2021 11:10:00 AM	WATER	EPA 8260B	EPA 8260B BTEX WATER
97057	8/6/2021	ERH1578	BA37425	8/5/2021 11:10:00 AM	WATER	EPA 8015B-eHL	EPA 8015B TPH WATER L-L SGC
97057	8/6/2021	ERH1578	BA37425	8/5/2021 11:10:00 AM	WATER	EPA 8015B-eHL	EPA 8015B TPH LIQ-LIQ
97057	8/6/2021	ERH1578	BA37425	8/5/2021 11:10:00 AM	WATER	EPA 8260B	EPA 8260B GRO WATER
97057	8/6/2021	ERH1578	BA37425	8/5/2021 11:10:00 AM	WATER	8270D-SIM	EPA 8270D SIM LIQ-LIQ
97057	8/6/2021	ERH1578 BLANK	BA37426	8/5/2021 11:10:00 AM	WATER	EPA 8015B-eHL	EPA 8015B TPH LIQ-LIQ
97057	8/6/2021	ERH1579	BA37427	8/5/2021 12:05:00 PM	WATER	EPA 8260B	EPA 8260B BTEX WATER
97057	8/6/2021	ERH1579	BA37427	8/5/2021 12:05:00 PM	WATER	EPA 8260B	EPA 8260B GRO WATER
97057	8/6/2021	ERH1580	BA37428	8/5/2021 12:10:00 PM	WATER	EPA 8260B	EPA 8260B BTEX WATER
97057	8/6/2021	ERH1580	BA37428	8/5/2021 12:10:00 PM	WATER	EPA 8015B-eHL	EPA 8015B TPH WATER L-L SGC
97057	8/6/2021	ERH1580	BA37428	8/5/2021 12:10:00 PM	WATER	EPA 8015B-eHL	EPA 8015B TPH LIQ-LIQ
97057	8/6/2021	ERH1580	BA37428	8/5/2021 12:10:00 PM	WATER	EPA 8260B	EPA 8260B GRO WATER
97057	8/6/2021	ERH1580	BA37428	8/5/2021 12:10:00 PM	WATER	8270D-SIM	EPA 8270D SIM LIQ-LIQ
97057	8/6/2021	ERH1580 BLANK	BA37429	8/5/2021 12:10:00 PM	WATER	EPA 8015B-eHL	EPA 8015B TPH LIQ-LIQ
97057	8/6/2021	ERH1581	BA37430	8/5/2021 8:35:00 AM	WATER	EPA 8260B	EPA 8260B BTEX WATER
97057	8/6/2021	ERH1581	BA37430	8/5/2021 8:35:00 AM	WATER	EPA 8260B	EPA 8260B GRO WATER
97057	8/6/2021	ERH1582	BA37431	8/5/2021 8:40:00 AM	WATER	EPA 8260B	EPA 8260B BTEX WATER
97057	8/6/2021	ERH1582	BA37431	8/5/2021 8:40:00 AM	WATER	EPA 8015B-eHL	EPA 8015B TPH WATER L-L SGC
97057	8/6/2021	ERH1582	BA37431	8/5/2021 8:40:00 AM	WATER	EPA 8015B-eHL	EPA 8015B TPH LIQ-LIQ
97057	8/6/2021	ERH1582	BA37431	8/5/2021 8:40:00 AM	WATER	EPA 8260B	EPA 8260B GRO WATER
97057	8/6/2021	ERH1582	BA37431	8/5/2021 8:40:00 AM	WATER	8270D-SIM	EPA 8270D SIM LIQ-LIQ
97057	8/6/2021	ERH1582 BLANK	BA37432	8/5/2021 8:40:00 AM	WATER	EPA 8015B-eHL	EPA 8015B TPH LIQ-LIQ

Abbreviations and Flags

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

SAMPLE RECORDS MANAGEMENT

CHAIN OF CUSTODY,

ARF, CRF, AND

CLIENT COMMUNICATION

APPL - Analysis Request Form

97057

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 # 52639,52636
RAD Screen (Y/N): Y pH (Y/N): Y
Turn Around Type: 1 WEEK

Received by: SSE
Date Received: 08/06/21 Time: 09:30
Delivered by: FEDEX
Shuttle Custody Seals (Y/N): Y Time Zone: -10
Chest Temp(s): 3.1,17.1°C
Color: VFRG/K-PurpleYellow
Samples Chilled until Placed in Refrig/Freezer: Y
Project Manager: Libby Cheesebor
QC Report Type: DVP4DOD/EQUIS/HI
Due Date: 08/13/21

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.
8011: EDB only
FR: email ftp info to Margie, alethea.ramos@aecom.com, Stella, trommelfanger@lab-data.com & jcanlas@la
EDD: AECOM EQuIS EDD 2.5.3 to alethea.ramos@, Margie.Pascua@aecom.com, jecklund@lab-data.com

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

Charges:

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

	Client ID		APPL ID	Sampled		Analyses Requested
1.	ERH1575	LCSD	BA37421W	08/05/21	10:10	$86BTOTXDOD5W, $GASBL, $GRO86BW -- See Comments
2.	ERH1576	LCSD	BA37422W	08/05/21	10:15	$86BTOTXDOD5W, $DOC53SGCW5LIQ, $DOC53W5LIQ, $GASBL, $GRO86BW, $SIM53LIQ51 -- See Comments
3.	ERH1576 BLANK	LCSD	BA37423W	08/05/21	10:15	$RHBLKETBLK -- See Comments
4.	ERH1577	LCSD	BA37424W	08/05/21	11:05	$86BTOTXDOD5W, $GASBL, $GRO86BW -- See Comments

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

5.	ERH1578	LCSD BA37425W	08/05/21	11:10	$86BTOTXDOD5W, $DOC53SGCW5LIQ, $DOC53W5LIQ, $GASBL, $GRO86BW, $SIM53LIQ51 -- See Comments
6.	ERH1578 BLANK	LCSD BA37426W	08/05/21	11:10	$RHBLKETBLK -- See Comments
7.	ERH1579	LCSD BA37427W	08/05/21	12:05	$86BTOTXDOD5W, $GASBL, $GRO86BW -- See Comments
8.	ERH1580	LCSD BA37428W	08/05/21	12:10	$86BTOTXDOD5W, $DOC53SGCW5LIQ, $DOC53W5LIQ, $GASBL, $GRO86BW, $SIM53LIQ51 -- See Comments
9.	ERH1580 BLANK	LCSD BA37429W	08/05/21	12:10	$RHBLKETBLK -- See Comments
10.	ERH1581	LCSD BA37430W	08/05/21	08:35	$86BTOTXDOD5W, $GASBL, $GRO86BW -- See Comments
11.	ERH1582	LCSD BA37431W	08/05/21	08:40	$86BTOTXDOD5W, $DOC53SGCW5LIQ, $DOC53W5LIQ, $GASBL, $GRO86BW, $SIM53LIQ51 -- See Comments
12.	ERH1582 BLANK	LCSD BA37432W	08/05/21	08:40	$RHBLKETBLK -- See Comments

APPL Sample Receipt Form

ARF# **97057**

Sample	Container Type	Count	p
BA37421	[13] VOAs - HCL	4	NA
BA37422	[13] VOAs - HCL	4	NA
	[17] Amber Liter	2	NA
	[39] Amber Liter, HCL prsvd	2	1.6
BA37423	[39] Amber Liter, HCL prsvd	1	NA
BA37424	[13] VOAs - HCL	4	NA
BA37425	[13] VOAs - HCL	4	NA
	[17] Amber Liter	2	NA
	[39] Amber Liter, HCL prsvd	2	1.6
BA37426	[39] Amber Liter, HCL prsvd	1	NA
BA37427	[13] VOAs - HCL	4	NA
BA37428	[13] VOAs - HCL	4	NA
	[17] Amber Liter	2	NA
	[39] Amber Liter, HCL prsvd	2	1.6
BA37429	[39] Amber Liter, HCL prsvd	1	NA
BA37430	[13] VOAs - HCL	4	NA
BA37431	[13] VOAs - HCL	4	NA
	[17] Amber Liter	2	NA
	[39] Amber Liter, HCL prsvd	2	1.6
BA37432	[39] Amber Liter, HCL prsvd	1	NA

Sample	Container Type	Count	p

97057

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. 52639

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

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

Sample Identification	Location	Date Collected	Time Collected	Time Zone	No. of Containers	Matrix: Aq	Sed.	Soil	BTEX 8260	TPH-G 8260	TPH-D/O 8015	TPH-D/O SGC 8015	PAHs short list 8270D SIM	Date Shipped: 8/5/2021
ERH1575	Trip Blank	8/5/21	10:10	HST	0	X			X	X				Carrier: FedEx
ERH1576	RHMW-01R		10:15		0	X			X	X	X	X	X*	Waybill No.:
ERH1577	Trip Blank		11:05		0	X			X	X				Comments:
ERH1578	RHMW-02		11:10		0	X			X	X	X	X	X*	
ERH1579	Trip Blank		12:05		4	X			X	X				
ERH1580	RHMW-03		12:10		8	X			X	X	X	X	X*	
ERH1581	Trip Blank		08:35		4	X			X	X				
ERH1582	RHSF		08:40		8	X			X	X	X	X	X*	
		W2	8/5/2021											

Cooler

Other

GW

11 of 514

TPH-D/O and PAHs need liquid-liquid extraction.

* Naphthalene
1-methylnaphthalene
2-methylnaphthalene

Shuttle Temperature: 19.0/17.1°C
R3C5.0/3.1

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

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

Relinquished by sampler:	Date	Time	Received by:	Relinquished by:	Date	Time	Received by:
Relinquished by: WEIFENG ZHENG	8/5/21	15:00	Received by:	Relinquished by:	8-6-21	930	Received at Lab by:

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

APPL LABS

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

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

CHAIN OF CUSTODY RECORD

C.O.C. 52636

2/2

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

Project Name/Number	Sampler (Print)	Purchase Order Number	Sampler (Signature)
CV-18F0126 / 60571032	Gavin Mura	102604	

Date Shipped: 8/5/2021
Carrier: FedEx
Waybill No.:
Comments:

Sample Identification	Location	Date Collected	Time Collected	Time Zone	No. of Containers	Matrix: Aq	Sed.	Soil	BTEX 8260	TPH-G 8260	TPH-D/O 8015	TPH-D/O SGC silica gel	PAHs short list 8270D SIM
ERH1575	Trip Blank	8/5/21	10:10	HST	4	X			X	X			
ERH1576	RHMW-01R		10:15		8	X			X	X	X	X	X*
ERH1577	Trip Blank		11:05		4	X			X	X			
ERH1578	RHMW-02		11:10		8	X			X	X	X	X	X*
ERH1579	Trip Blank		12:05		0	X			X	X			
ERH1580	RHMW-03		12:10		0	X			X	X	X	X	X*
ERH1581	Trip Blank		08:35		0	X			X	X			
ERH1582	RHSF		08:40		0	X			X	X	X	X	X*
		W2	8/5/2021										

Other: Cooler

4.8°

TPH-D/O and PAHs need liquid-liquid extraction.

* Naphthalene
~~1-methylnaphthalene~~
2-methylnaphthalene

12 of 514

Shuttle Temperature:	Turnaround Requested: Check one	Sample Disposal:
R3C 19.0/19.1°C	☐ Standard 2-3 wk ☒ One week ☐ 3 days ☐ 24/48 Hrs. ☐ Other:	☐ Return to client ☒ Disposal by Lab (30-day retention)

Relinquished by sampler:	Date	Time	Received by:	Relinquished by:	Date	Time	Received by:
Relinquished by: WEIFENG ZHENG	8/5/21	15:00		Relinquished by:	8-9-21	1025	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: 97057**

1) Project: 60571032 CV18F0126 Red Hill Fuel Storage Date Received: 08/06/21

2) Coolers: Number of Coolers: 2

3) YES Were custody seals present and intact?
How many? 4 Name/Date on seal? SEE BELOW

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

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

6) YES/NO Were cooler temperatures acceptable?

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

8) Cooler temp(s): In °C. Thermometer Temp / Corrected Temp
1: 5.0/3.1 2: 19.0/17.1 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: BA37425w04
Smaller than a pea: BA37424w04

Preservation Hold time:

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

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

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

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

22) NO Were unpreserved VOA Vials received for VOA Dept analysis?

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

Notes/Deficiencies:

Cooler #2 arrived 8/9/21 at 10:25am out of temp.

CUSTODY SEAL
APPL, Inc. (559) 275-2175
Initials SK Date 8/5/21

Personnel receiving samples: MS Second reviewer: SS
Personnel labeling samples: MS
Project manager notified: MS Date/Time of notification 08/06/21
Name of client notified: ____ Date/Time of notification ____

SAMPLE RESULTS

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: 97057

Sample ID: ERH1576

APPL ID: BA37422

Sample Collection Date: 08/05/21

QCG: #DOC53-210811A-267452

Method	Analyte	Result	LOQ	LOD	DL	Units	Extraction Date	Analysis Date
EPA 8015B-e	DIESEL (C10-C24)	230 J	320	300.0	150.0	ug/L	08/11/21	08/25/21
EPA 8015B-e	OIL (C24-C40)	180 J	320	300.0	150.0	ug/L	08/11/21	08/25/21
EPA 8015B-e	SURROGATE: OCTACOSANE (S)	98.6	60-142			%	08/11/21	08/25/21
EPA 8015B-e	SURROGATE: ORTHO-TERPHENYL (S)	79.5	56-125			%	08/11/21	08/25/21

J = Estimated value.

Quant Method:	DOC0823.M
Run #:	824053
Instrument:	Apollo
Sequence:	210824
Dilution Factor:	1
Initials:	KAB

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

EPA 8015B TPH WATER L-L SGC

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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: 97057

Sample ID: ERH1576

APPL ID: BA37422

Sample Collection Date: 08/05/21

QCG: #DOC53-210811A1-267529

Method	Analyte	Result	LOQ	LOD	DL	Units	Extraction Date	Analysis Date
EPA 8015B-e	DIESEL (C10-C24)	300.0 U	320	300.0	150.0	ug/L	08/11/21	08/25/21
EPA 8015B-e	OIL (C24-C40)	300.0 U	320	300.0	150.0	ug/L	08/11/21	08/25/21
EPA 8015B-e	SURROGATE: (R) DECANOIC ACID (S)	0.0	0-1			%	08/11/21	08/25/21
EPA 8015B-e	SURROGATE: OCTACOSANE (S)	89.1	60-142			%	08/11/21	08/25/21
EPA 8015B-e	SURROGATE: ORTHO-TERPHENYL (S)	71.5	56-125			%	08/11/21	08/25/21

Quant Method:	DEC0712.M
Run #:	824063
Instrument:	Apollo
Sequence:	210824
Dilution Factor:	1
Initials:	KAB

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

EPA 8015B TPH LIQ-LIQ

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Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 97057

Sample ID: ERH1576 BLANK

APPL ID: BA37423

Sample Collection Date: 08/05/21

QCG: #RHBLK-210809A-267435

Method	Analyte	Result	LOQ	LOD	DL	Units	Extraction Date	Analysis Date
EPA 8015B-e	DIESEL (C10-C24)	300.0 U	320	300.0	150.0	ug/L	08/10/21	08/25/21
EPA 8015B-e	OIL (C24-C40)	300.0 U	320	300.0	150.0	ug/L	08/10/21	08/25/21
EPA 8015B-e	SURROGATE: OCTACOSANE (S)	79.5	60-142			%	08/10/21	08/25/21
EPA 8015B-e	SURROGATE: ORTHO-TERPHENYL (S)	80.0	56-125			%	08/10/21	08/25/21

Quant Method:	DOC0823.M
Run #:	824044
Instrument:	Apollo
Sequence:	210824
Dilution Factor:	1
Initials:	KAB

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

EPA 8015B TPH LIQ-LIQ

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Clovis, CA 93611

Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 97057

Sample ID: ERH1578

APPL ID: BA37425

Sample Collection Date: 08/05/21

QCG: #DOC53-210811A-267452

Method	Analyte	Result	LOQ	LOD	DL	Units	Extraction Date	Analysis Date
EPA 8015B-e	DIESEL (C10-C24)	2900	320	300.0	150.0	ug/L	08/11/21	08/25/21
EPA 8015B-e	OIL (C24-C40)	380	320	300.0	150.0	ug/L	08/11/21	08/25/21
EPA 8015B-e	SURROGATE: OCTACOSANE (S)	89.2	60-142			%	08/11/21	08/25/21
EPA 8015B-e	SURROGATE: ORTHO-TERPHENYL (S)	78.7	56-125			%	08/11/21	08/25/21

Quant Method:	DOC0823.M
Run #:	824054
Instrument:	Apollo
Sequence:	210824
Dilution Factor:	1
Initials:	KAB

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

EPA 8015B TPH WATER L-L SGC

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Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 97057

Sample ID: ERH1578

APPL ID: BA37425

Sample Collection Date: 08/05/21

QCG: #DOC53-210811A1-267529

Method	Analyte	Result	LOQ	LOD	DL	Units	Extraction Date	Analysis Date
EPA 8015B-e	DIESEL (C10-C24)	680	320	300.0	150.0	ug/L	08/11/21	08/25/21
EPA 8015B-e	OIL (C24-C40)	300.0 U	320	300.0	150.0	ug/L	08/11/21	08/25/21
EPA 8015B-e	SURROGATE: (R) DECANOIC ACID (S)	0.0	0-1			%	08/11/21	08/25/21
EPA 8015B-e	SURROGATE: OCTACOSANE (S)	90.1	60-142			%	08/11/21	08/25/21
EPA 8015B-e	SURROGATE: ORTHO-TERPHENYL (S)	74.0	56-125			%	08/11/21	08/25/21

Quant Method: DEC0712.M
Run #: 824064
Instrument: Apollo
Sequence: 210824
Dilution Factor: 1
Initials: KAB

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

EPA 8015B TPH LIQ-LIQ

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Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 97057

Sample ID: ERH1578 BLANK

APPL ID: BA37426

Sample Collection Date: 08/05/21

QCG: #RHBLK-210809A-267435

Method	Analyte	Result	LOQ	LOD	DL	Units	Extraction Date	Analysis Date
EPA 8015B-e	DIESEL (C10-C24)	300.0 U	320	300.0	150.0	ug/L	08/10/21	08/25/21
EPA 8015B-e	OIL (C24-C40)	300.0 U	320	300.0	150.0	ug/L	08/10/21	08/25/21
EPA 8015B-e	SURROGATE: OCTACOSANE (S)	80.4	60-142			%	08/10/21	08/25/21
EPA 8015B-e	SURROGATE: ORTHO-TERPHENYL (S)	75.7	56-125			%	08/10/21	08/25/21

Quant Method:	DOC0823.M
Run #:	824045
Instrument:	Apollo
Sequence:	210824
Dilution Factor:	1
Initials:	KAB

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

EPA 8015B TPH LIQ-LIQ

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Clovis, CA 93611

Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 97057

Sample ID: ERH1580

APPL ID: BA37428

Sample Collection Date: 08/05/21

QCG: #DOC53-210811A-267452

Method	Analyte	Result	LOQ	LOD	DL	Units	Extraction Date	Analysis Date
EPA 8015B-e	DIESEL (C10-C24)	430	320	300.0	150.0	ug/L	08/11/21	08/25/21
EPA 8015B-e	OIL (C24-C40)	710	320	300.0	150.0	ug/L	08/11/21	08/25/21
EPA 8015B-e	SURROGATE: OCTACOSANE (S)	87.5	60-142			%	08/11/21	08/25/21
EPA 8015B-e	SURROGATE: ORTHO-TERPHENYL (S)	65.9	56-125			%	08/11/21	08/25/21

Quant Method: DOC0823.M
Run #: 824055
Instrument: Apollo
Sequence: 210824
Dilution Factor: 1
Initials: KAB

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

EPA 8015B TPH WATER L-L SGC

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908 North Temperance Avenue
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Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 97057

Sample ID: ERH1580

APPL ID: BA37428

Sample Collection Date: 08/05/21

QCG: #DOC53-210811A1-267529

Method	Analyte	Result	LOQ	LOD	DL	Units	Extraction Date	Analysis Date
EPA 8015B-e	DIESEL (C10-C24)	300.0 U	320	300.0	150.0	ug/L	08/11/21	08/25/21
EPA 8015B-e	OIL (C24-C40)	240 J	320	300.0	150.0	ug/L	08/11/21	08/25/21
EPA 8015B-e	SURROGATE: (R) DECANOIC ACID (S)	0.0	0-1			%	08/11/21	08/25/21
EPA 8015B-e	SURROGATE: OCTACOSANE (S)	93.9	60-142			%	08/11/21	08/25/21
EPA 8015B-e	SURROGATE: ORTHO-TERPHENYL (S)	71.2	56-125			%	08/11/21	08/25/21

J = Estimated value.

Quant Method: DEC0712.M
Run #: 824065
Instrument: Apollo
Sequence: 210824
Dilution Factor: 1
Initials: KAB

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

EPA 8015B TPH LIQ-LIQ

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Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 97057

Sample ID: ERH1580 BLANK

APPL ID: BA37429

Sample Collection Date: 08/05/21

QCG: #RHBLK-210809A-267435

Method	Analyte	Result	LOQ	LOD	DL	Units	Extraction Date	Analysis Date
EPA 8015B-e	DIESEL (C10-C24)	300.0 U	320	300.0	150.0	ug/L	08/10/21	08/25/21
EPA 8015B-e	OIL (C24-C40)	300.0 U	320	300.0	150.0	ug/L	08/10/21	08/25/21
EPA 8015B-e	SURROGATE: OCTACOSANE (S)	85.2	60-142			%	08/10/21	08/25/21
EPA 8015B-e	SURROGATE: ORTHO-TERPHENYL (S)	73.2	56-125			%	08/10/21	08/25/21

Quant Method:	DOC0823.M
Run #:	824046
Instrument:	Apollo
Sequence:	210824
Dilution Factor:	1
Initials:	KAB

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

EPA 8015B TPH LIQ-LIQ

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Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 97057

Sample ID: ERH1582

APPL ID: BA37431

Sample Collection Date: 08/05/21

QCG: #DOC53-210811A-267452

Method	Analyte	Result	LOQ	LOD	DL	Units	Extraction Date	Analysis Date
EPA 8015B-e	DIESEL (C10-C24)	300.0 U	320	300.0	150.0	ug/L	08/11/21	08/25/21
EPA 8015B-e	OIL (C24-C40)	540	320	300.0	150.0	ug/L	08/11/21	08/25/21
EPA 8015B-e	SURROGATE: OCTACOSANE (S)	98.0	60-142			%	08/11/21	08/25/21
EPA 8015B-e	SURROGATE: ORTHO-TERPHENYL (S)	81.2	56-125			%	08/11/21	08/25/21

Quant Method: DOC0823.M
Run #: 824056
Instrument: Apollo
Sequence: 210824
Dilution Factor: 1
Initials: KAB

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

EPA 8015B TPH WATER L-L SGC

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Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 97057

Sample ID: ERH1582

APPL ID: BA37431

Sample Collection Date: 08/05/21

QCG: #DOC53-210811A1-267529

Method	Analyte	Result	LOQ	LOD	DL	Units	Extraction Date	Analysis Date
EPA 8015B-e	DIESEL (C10-C24)	300.0 U	320	300.0	150.0	ug/L	08/11/21	08/25/21
EPA 8015B-e	OIL (C24-C40)	300.0 U	320	300.0	150.0	ug/L	08/11/21	08/25/21
EPA 8015B-e	SURROGATE: (R) DECANOIC ACID (S)	0.0	0-1			%	08/11/21	08/25/21
EPA 8015B-e	SURROGATE: OCTACOSANE (S)	87.6	60-142			%	08/11/21	08/25/21
EPA 8015B-e	SURROGATE: ORTHO-TERPHENYL (S)	72.8	56-125			%	08/11/21	08/25/21

Quant Method:	DEC0712.M
Run #:	824066
Instrument:	Apollo
Sequence:	210824
Dilution Factor:	1
Initials:	KAB

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

EPA 8015B TPH LIQ-LIQ

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Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 97057

Sample ID: ERH1582 BLANK

APPL ID: BA37432

Sample Collection Date: 08/05/21

QCG: #RHBLK-210809A-267435

Method	Analyte	Result	LOQ	LOD	DL	Units	Extraction Date	Analysis Date
EPA 8015B-e	DIESEL (C10-C24)	300.0 U	320	300.0	150.0	ug/L	08/10/21	08/25/21
EPA 8015B-e	OIL (C24-C40)	300.0 U	320	300.0	150.0	ug/L	08/10/21	08/25/21
EPA 8015B-e	SURROGATE: OCTACOSANE (S)	76.6	60-142			%	08/10/21	08/25/21
EPA 8015B-e	SURROGATE: ORTHO-TERPHENYL (S)	67.3	56-125			%	08/10/21	08/25/21

Quant Method:	DOC0823.M
Run #:	824047
Instrument:	Apollo
Sequence:	210824
Dilution Factor:	1
Initials:	KAB

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

EPA 8270D SIM LIQ-LIQ

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Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 97057

Sample ID: ERH1576

APPL ID: BA37422

Sample Collection Date: 08/05/21

QCG: #SIM53-210811A-267015

Method	Analyte	Result	LOQ	LOD	DL	Units	Extraction Date	Analysis Date
8270D-SIM	1-METHYLNAPHTHALENE	0.20	0.2	0.10	0.04	ug/L	08/11/21	08/13/21
8270D-SIM	2-METHYLNAPHTHALENE	0.10 U	0.2	0.10	0.04	ug/L	08/11/21	08/13/21
8270D-SIM	NAPHTHALENE	0.10 U	0.2	0.10	0.04	ug/L	08/11/21	08/13/21
8270D-SIM	SURROGATE: 2-METHYLNAPHTHALEN	81.1	39-114			%	08/11/21	08/13/21
8270D-SIM	SURROGATE: FLUORANTHENE-D10 (S	47.5 #	58-120			%	08/11/21	08/13/21

= Recovery (or RPD) is outside QC limits.

Quant Method:	L0715.M
Run #:	0809L067
Instrument:	Linus
Sequence:	L210809
Dilution Factor:	1
Initials:	LSI

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

EPA 8270D SIM LIQ-LIQ

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Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 97057

Sample ID: ERH1578

APPL ID: BA37425

Sample Collection Date: 08/05/21

QCG: #SIM53-210811A-267015

Method	Analyte	Result	LOQ	LOD	DL	Units	Extraction Date	Analysis Date
8270D-SIM	1-METHYLNAPHTHALENE	35	0.2	0.10	0.04	ug/L	08/11/21	08/13/21
8270D-SIM	2-METHYLNAPHTHALENE	29	0.2	0.10	0.04	ug/L	08/11/21	08/13/21
8270D-SIM	NAPHTHALENE	62	0.2	0.10	0.04	ug/L	08/11/21	08/13/21
8270D-SIM	SURROGATE: 2-METHYLNAPHTHALEN	86.0	39-114			%	08/11/21	08/13/21
8270D-SIM	SURROGATE: FLUORANTHENE-D10 (S	64.3	58-120			%	08/11/21	08/13/21

Quant Method:	L0715.M
Run #:	0809L068
Instrument:	Linus
Sequence:	L210809
Dilution Factor:	1
Initials:	LSI

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

EPA 8270D SIM LIQ-LIQ

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Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 97057

Sample ID: ERH1580

APPL ID: BA37428

Sample Collection Date: 08/05/21

QCG: #SIM53-210811A-267015

Method	Analyte	Result	LOQ	LOD	DL	Units	Extraction Date	Analysis Date
8270D-SIM	1-METHYLNAPHTHALENE	0.10 U	0.2	0.10	0.04	ug/L	08/11/21	08/13/21
8270D-SIM	2-METHYLNAPHTHALENE	0.10 U	0.2	0.10	0.04	ug/L	08/11/21	08/13/21
8270D-SIM	NAPHTHALENE	0.10 U	0.2	0.10	0.04	ug/L	08/11/21	08/13/21
8270D-SIM	SURROGATE: 2-METHYLNAPHTHALEN	77.5	39-114			%	08/11/21	08/13/21
8270D-SIM	SURROGATE: FLUORANTHENE-D10 (S	47.0 #	58-120			%	08/11/21	08/13/21

= Recovery (or RPD) is outside QC limits.

Quant Method:	L0715.M
Run #:	0809L069
Instrument:	Linus
Sequence:	L210809
Dilution Factor:	1
Initials:	LSI

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

EPA 8270D SIM LIQ-LIQ

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Clovis, CA 93611

Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 97057

Sample ID: ERH1582

APPL ID: BA37431

Sample Collection Date: 08/05/21

QCG: #SIM53-210811A-267015

Method	Analyte	Result	LOQ	LOD	DL	Units	Extraction Date	Analysis Date
8270D-SIM	1-METHYLNAPHTHALENE	0.10 U	0.2	0.10	0.04	ug/L	08/11/21	08/13/21
8270D-SIM	2-METHYLNAPHTHALENE	0.10 U	0.2	0.10	0.04	ug/L	08/11/21	08/13/21
8270D-SIM	NAPHTHALENE	0.10 U	0.2	0.10	0.04	ug/L	08/11/21	08/13/21
8270D-SIM	SURROGATE: 2-METHYLNAPHTHALEN	76.3	39-114			%	08/11/21	08/13/21
8270D-SIM	SURROGATE: FLUORANTHENE-D10 (S	87.0	58-120			%	08/11/21	08/13/21

Quant Method: L0715.M
Run #: 0809L070
Instrument: Linus
Sequence: L210809
Dilution Factor: 1
Initials: LSI

Printed: 08/13/21 3:14:33 PM
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: 97057

Sample ID: ERH1575

APPL ID: BA37421

Sample Collection Date: 08/05/21

QCG: #86BTO-210818AM-268024

Method	Analyte	Result	LOQ	LOD	DL	Units	Extraction Date	Analysis Date
EPA 8260B	BENZENE	0.30 U	1.0	0.30	0.15	ug/L	08/19/21	08/19/21
EPA 8260B	ETHYLBENZENE	0.50 U	1.0	0.50	0.23	ug/L	08/19/21	08/19/21
EPA 8260B	TOLUENE	0.30 U	1.0	0.30	0.15	ug/L	08/19/21	08/19/21
EPA 8260B	XYLENES (TOTAL)	0.30 U	2.0	0.30	0.15	ug/L	08/19/21	08/19/21
EPA 8260B	SURROGATE: 1,2-DICHLOROETHANE-	105	81-118			%	08/19/21	08/19/21
EPA 8260B	SURROGATE: 4-BROMOFLUOROBENZ	97.4	85-114			%	08/19/21	08/19/21
EPA 8260B	SURROGATE: DIBROMOFLUOROMETH	98.6	80-119			%	08/19/21	08/19/21
EPA 8260B	SURROGATE: TOLUENE-D8 (S)	91.3	89-112			%	08/19/21	08/19/21

Quant Method:	M0816NEW.M
Run #:	0818M24
Instrument:	Max
Sequence:	210818
Dilution Factor:	1
Initials:	DA

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

EPA 8260B BTEX WATER

AECOM
1001 Bishop Street, Suite 1600
Honolulu, HI 96813

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 97057

Sample ID: ERH1576

APPL ID: BA37422

Sample Collection Date: 08/05/21

QCG: #86BTO-210818AM-268024

Method	Analyte	Result	LOQ	LOD	DL	Units	Extraction Date	Analysis Date
EPA 8260B	BENZENE	0.30 U	1.0	0.30	0.15	ug/L	08/19/21	08/19/21
EPA 8260B	ETHYLBENZENE	0.50 U	1.0	0.50	0.23	ug/L	08/19/21	08/19/21
EPA 8260B	TOLUENE	0.30 U	1.0	0.30	0.15	ug/L	08/19/21	08/19/21
EPA 8260B	XYLENES (TOTAL)	0.30 U	2.0	0.30	0.15	ug/L	08/19/21	08/19/21
EPA 8260B	SURROGATE: 1,2-DICHLOROETHANE-	105	81-118			%	08/19/21	08/19/21
EPA 8260B	SURROGATE: 4-BROMOFLUOROBENZ	93.1	85-114			%	08/19/21	08/19/21
EPA 8260B	SURROGATE: DIBROMOFLUOROMETH	97.9	80-119			%	08/19/21	08/19/21
EPA 8260B	SURROGATE: TOLUENE-D8 (S)	89.8	89-112			%	08/19/21	08/19/21

Quant Method:	M0816NEW.M
Run #:	0818M25
Instrument:	Max
Sequence:	210818
Dilution Factor:	1
Initials:	DA

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

EPA 8260B BTEX WATER

AECOM
1001 Bishop Street, Suite 1600
Honolulu, HI 96813

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 97057

Sample ID: ERH1577

APPL ID: BA37424

Sample Collection Date: 08/05/21

QCG: #86BTO-210818AM-268024

Method	Analyte	Result	LOQ	LOD	DL	Units	Extraction Date	Analysis Date
EPA 8260B	BENZENE	0.30 U	1.0	0.30	0.15	ug/L	08/19/21	08/19/21
EPA 8260B	ETHYLBENZENE	0.50 U	1.0	0.50	0.23	ug/L	08/19/21	08/19/21
EPA 8260B	TOLUENE	0.30 U	1.0	0.30	0.15	ug/L	08/19/21	08/19/21
EPA 8260B	XYLENES (TOTAL)	0.30 U	2.0	0.30	0.15	ug/L	08/19/21	08/19/21
EPA 8260B	SURROGATE: 1,2-DICHLOROETHANE-	96.8	81-118			%	08/19/21	08/19/21
EPA 8260B	SURROGATE: 4-BROMOFLUOROBENZ	94.9	85-114			%	08/19/21	08/19/21
EPA 8260B	SURROGATE: DIBROMOFLUOROMETH	98.1	80-119			%	08/19/21	08/19/21
EPA 8260B	SURROGATE: TOLUENE-D8 (S)	89.1	89-112			%	08/19/21	08/19/21

Quant Method:	MGAS0803.M
Run #:	0818M26
Instrument:	Max
Sequence:	210818
Dilution Factor:	1
Initials:	DA

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

EPA 8260B BTEX WATER

AECOM
1001 Bishop Street, Suite 1600
Honolulu, HI 96813

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 97057

Sample ID: ERH1578

APPL ID: BA37425

Sample Collection Date: 08/05/21

QCG: #86BTO-210819AM-268023

Method	Analyte	Result	LOQ	LOD	DL	Units	Extraction Date	Analysis Date
EPA 8260B	BENZENE	0.30 U	1.0	0.30	0.15	ug/L	08/20/21	08/20/21
EPA 8260B	ETHYLBENZENE	0.30 J	1.0	0.50	0.23	ug/L	08/20/21	08/20/21
EPA 8260B	TOLUENE	0.30 U	1.0	0.30	0.15	ug/L	08/20/21	08/20/21
EPA 8260B	XYLENES (TOTAL)	0.30 U	2.0	0.30	0.15	ug/L	08/20/21	08/20/21
EPA 8260B	SURROGATE: 1,2-DICHLOROETHANE-	105	81-118			%	08/20/21	08/20/21
EPA 8260B	SURROGATE: 4-BROMOFLUOROBENZ	101	85-114			%	08/20/21	08/20/21
EPA 8260B	SURROGATE: DIBROMOFLUOROMETH	105	80-119			%	08/20/21	08/20/21
EPA 8260B	SURROGATE: TOLUENE-D8 (S)	99.0	89-112			%	08/20/21	08/20/21

J = Estimated value.

Quant Method:	M0819W.M
Run #:	0819M34
Instrument:	Max
Sequence:	210819
Dilution Factor:	1
Initials:	DA

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

EPA 8260B BTEX WATER

AECOM
1001 Bishop Street, Suite 1600
Honolulu, HI 96813

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 97057

Sample ID: ERH1579

APPL ID: BA37427

Sample Collection Date: 08/05/21

QCG: #86BTO-210819AM-268023

Method	Analyte	Result	LOQ	LOD	DL	Units	Extraction Date	Analysis Date
EPA 8260B	BENZENE	0.30 U	1.0	0.30	0.15	ug/L	08/20/21	08/20/21
EPA 8260B	ETHYLBENZENE	0.50 U	1.0	0.50	0.23	ug/L	08/20/21	08/20/21
EPA 8260B	TOLUENE	0.30 U	1.0	0.30	0.15	ug/L	08/20/21	08/20/21
EPA 8260B	XYLENES (TOTAL)	0.30 U	2.0	0.30	0.15	ug/L	08/20/21	08/20/21
EPA 8260B	SURROGATE: 1,2-DICHLOROETHANE-	95.6	81-118			%	08/20/21	08/20/21
EPA 8260B	SURROGATE: 4-BROMOFLUOROBENZ	99.4	85-114			%	08/20/21	08/20/21
EPA 8260B	SURROGATE: DIBROMOFLUOROMETH	96.7	80-119			%	08/20/21	08/20/21
EPA 8260B	SURROGATE: TOLUENE-D8 (S)	98.9	89-112			%	08/20/21	08/20/21

Quant Method:	M0819W.M
Run #:	0819M35
Instrument:	Max
Sequence:	210819
Dilution Factor:	1
Initials:	DA

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

EPA 8260B BTEX WATER

AECOM
1001 Bishop Street, Suite 1600
Honolulu, HI 96813

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 97057

Sample ID: ERH1580

APPL ID: BA37428

Sample Collection Date: 08/05/21

QCG: #86BTO-210819AM-268023

Method	Analyte	Result	LOQ	LOD	DL	Units	Extraction Date	Analysis Date
EPA 8260B	BENZENE	0.30 U	1.0	0.30	0.15	ug/L	08/20/21	08/20/21
EPA 8260B	ETHYLBENZENE	0.50 U	1.0	0.50	0.23	ug/L	08/20/21	08/20/21
EPA 8260B	TOLUENE	0.30 U	1.0	0.30	0.15	ug/L	08/20/21	08/20/21
EPA 8260B	XYLENES (TOTAL)	0.30 U	2.0	0.30	0.15	ug/L	08/20/21	08/20/21
EPA 8260B	SURROGATE: 1,2-DICHLOROETHANE-	104	81-118			%	08/20/21	08/20/21
EPA 8260B	SURROGATE: 4-BROMOFLUOROBENZ	101	85-114			%	08/20/21	08/20/21
EPA 8260B	SURROGATE: DIBROMOFLUOROMETH	98.8	80-119			%	08/20/21	08/20/21
EPA 8260B	SURROGATE: TOLUENE-D8 (S)	101	89-112			%	08/20/21	08/20/21

Quant Method:	M0819W.M
Run #:	0819M36
Instrument:	Max
Sequence:	210819
Dilution Factor:	1
Initials:	DA

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

EPA 8260B BTEX WATER

AECOM
1001 Bishop Street, Suite 1600
Honolulu, HI 96813

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 97057

Sample ID: ERH1581

APPL ID: BA37430

Sample Collection Date: 08/05/21

QCG: #86BTO-210819AM-268023

Method	Analyte	Result	LOQ	LOD	DL	Units	Extraction Date	Analysis Date
EPA 8260B	BENZENE	0.30 U	1.0	0.30	0.15	ug/L	08/20/21	08/20/21
EPA 8260B	ETHYLBENZENE	0.50 U	1.0	0.50	0.23	ug/L	08/20/21	08/20/21
EPA 8260B	TOLUENE	0.30 U	1.0	0.30	0.15	ug/L	08/20/21	08/20/21
EPA 8260B	XYLENES (TOTAL)	0.30 U	2.0	0.30	0.15	ug/L	08/20/21	08/20/21
EPA 8260B	SURROGATE: 1,2-DICHLOROETHANE-	101	81-118			%	08/20/21	08/20/21
EPA 8260B	SURROGATE: 4-BROMOFLUOROBENZ	99.2	85-114			%	08/20/21	08/20/21
EPA 8260B	SURROGATE: DIBROMOFLUOROMETH	99.0	80-119			%	08/20/21	08/20/21
EPA 8260B	SURROGATE: TOLUENE-D8 (S)	97.4	89-112			%	08/20/21	08/20/21

Quant Method:	M0819W.M
Run #:	0819M37
Instrument:	Max
Sequence:	210819
Dilution Factor:	1
Initials:	DA

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

EPA 8260B BTEX WATER

AECOM
1001 Bishop Street, Suite 1600
Honolulu, HI 96813

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 97057

Sample ID: ERH1582

APPL ID: BA37431

Sample Collection Date: 08/05/21

QCG: #86BTO-210819AM-268023

Method	Analyte	Result	LOQ	LOD	DL	Units	Extraction Date	Analysis Date
EPA 8260B	BENZENE	0.30 U	1.0	0.30	0.15	ug/L	08/20/21	08/20/21
EPA 8260B	ETHYLBENZENE	0.50 U	1.0	0.50	0.23	ug/L	08/20/21	08/20/21
EPA 8260B	TOLUENE	0.30 U	1.0	0.30	0.15	ug/L	08/20/21	08/20/21
EPA 8260B	XYLENES (TOTAL)	0.30 U	2.0	0.30	0.15	ug/L	08/20/21	08/20/21
EPA 8260B	SURROGATE: 1,2-DICHLOROETHANE-	101	81-118			%	08/20/21	08/20/21
EPA 8260B	SURROGATE: 4-BROMOFLUOROBENZ	101	85-114			%	08/20/21	08/20/21
EPA 8260B	SURROGATE: DIBROMOFLUOROMETH	100	80-119			%	08/20/21	08/20/21
EPA 8260B	SURROGATE: TOLUENE-D8 (S)	101	89-112			%	08/20/21	08/20/21

Quant Method:	M0819W.M
Run #:	0819M38
Instrument:	Max
Sequence:	210819
Dilution Factor:	1
Initials:	DA

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

EPA 8260B GRO WATER

AECOM
1001 Bishop Street, Suite 1600
Honolulu, HI 96813

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 97057

Sample ID: ERH1575

APPL ID: BA37421

Sample Collection Date: 08/05/21

QCG: #GRO86-210818AM-268524

Method	Analyte	Result	LOQ	LOD	DL	Units	Extraction Date	Analysis Date
EPA 8260B	GASOLINE RANGE ORGANICS	18.0 U	20	18.0	8.6	ug/L	08/19/21	08/19/21
EPA 8260B	SURROGATE: 4-BROMOFLUOROBENZ	111	85-114			%	08/19/21	08/19/21

Quant Method:	MGAS0803.M
Run #:	0818M24
Instrument:	Max
Sequence:	210818
Dilution Factor:	1
Initials:	LPO

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

EPA 8260B GRO WATER

AECOM
1001 Bishop Street, Suite 1600
Honolulu, HI 96813

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 97057

Sample ID: ERH1576

APPL ID: BA37422

Sample Collection Date: 08/05/21

QCG: #GRO86-210818AM-268524

Method	Analyte	Result	LOQ	LOD	DL	Units	Extraction Date	Analysis Date
EPA 8260B	GASOLINE RANGE ORGANICS	18.0 U	20	18.0	8.6	ug/L	08/19/21	08/19/21
EPA 8260B	SURROGATE: 4-BROMOFLUOROBENZ	106	85-114			%	08/19/21	08/19/21

Quant Method:	MGAS0803.M
Run #:	0818M25
Instrument:	Max
Sequence:	210818
Dilution Factor:	1
Initials:	LPO

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

EPA 8260B GRO WATER

AECOM
1001 Bishop Street, Suite 1600
Honolulu, HI 96813

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 97057

Sample ID: ERH1577

APPL ID: BA37424

Sample Collection Date: 08/05/21

QCG: #GRO86-210818AM-268524

Method	Analyte	Result	LOQ	LOD	DL	Units	Extraction Date	Analysis Date
EPA 8260B	GASOLINE RANGE ORGANICS	18.0 U	20	18.0	8.6	ug/L	08/19/21	08/19/21
EPA 8260B	SURROGATE: 4-BROMOFLUOROBENZ	108	85-114			%	08/19/21	08/19/21

Quant Method:	MGAS0803.M
Run #:	0818M26
Instrument:	Max
Sequence:	210818
Dilution Factor:	1
Initials:	LPO

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

EPA 8260B GRO WATER

AECOM
1001 Bishop Street, Suite 1600
Honolulu, HI 96813

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 97057

Sample ID: ERH1578

APPL ID: BA37425

Sample Collection Date: 08/05/21

QCG: #GRO86-210819AM-268758

Method	Analyte	Result	LOQ	LOD	DL	Units	Extraction Date	Analysis Date
EPA 8260B	GASOLINE RANGE ORGANICS	92	20	18.0	8.6	ug/L	08/20/21	08/20/21
EPA 8260B	SURROGATE: 4-BROMOFLUOROBENZ	108	85-114			%	08/20/21	08/20/21

Quant Method:	MSUR803W.M
Run #:	0819M34
Instrument:	Max
Sequence:	210819
Dilution Factor:	1
Initials:	DA

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

EPA 8260B GRO WATER

AECOM
1001 Bishop Street, Suite 1600
Honolulu, HI 96813

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 97057

Sample ID: ERH1579

APPL ID: BA37427

Sample Collection Date: 08/05/21

QCG: #GRO86-210819AM-268758

Method	Analyte	Result	LOQ	LOD	DL	Units	Extraction Date	Analysis Date
EPA 8260B	GASOLINE RANGE ORGANICS	18.0 U	20	18.0	8.6	ug/L	08/20/21	08/20/21
EPA 8260B	SURROGATE: 4-BROMOFLUOROBENZ	107	85-114			%	08/20/21	08/20/21

Quant Method:	MSUR803W.M
Run #:	0819M35
Instrument:	Max
Sequence:	210819
Dilution Factor:	1
Initials:	DA

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

EPA 8260B GRO WATER

AECOM
1001 Bishop Street, Suite 1600
Honolulu, HI 96813

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 97057

Sample ID: ERH1580

APPL ID: BA37428

Sample Collection Date: 08/05/21

QCG: #GRO86-210819AM-268758

Method	Analyte	Result	LOQ	LOD	DL	Units	Extraction Date	Analysis Date
EPA 8260B	GASOLINE RANGE ORGANICS	18.0 U	20	18.0	8.6	ug/L	08/20/21	08/20/21
EPA 8260B	SURROGATE: 4-BROMOFLUOROBENZ	108	85-114			%	08/20/21	08/20/21

Quant Method:	MSUR803W.M
Run #:	0819M36
Instrument:	Max
Sequence:	210819
Dilution Factor:	1
Initials:	DA

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

EPA 8260B GRO WATER

AECOM
1001 Bishop Street, Suite 1600
Honolulu, HI 96813

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 97057

Sample ID: ERH1581

APPL ID: BA37430

Sample Collection Date: 08/05/21

QCG: #GRO86-210819AM-268758

Method	Analyte	Result	LOQ	LOD	DL	Units	Extraction Date	Analysis Date
EPA 8260B	GASOLINE RANGE ORGANICS	18.0 U	20	18.0	8.6	ug/L	08/20/21	08/20/21
EPA 8260B	SURROGATE: 4-BROMOFLUOROBENZ	107	85-114			%	08/20/21	08/20/21

Quant Method:	MSUR803W.M
Run #:	0819M37
Instrument:	Max
Sequence:	210819
Dilution Factor:	1
Initials:	DA

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

EPA 8260B GRO WATER

AECOM
1001 Bishop Street, Suite 1600
Honolulu, HI 96813

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 97057

Sample ID: ERH1582

APPL ID: BA37431

Sample Collection Date: 08/05/21

QCG: #GRO86-210819AM-268758

Method	Analyte	Result	LOQ	LOD	DL	Units	Extraction Date	Analysis Date
EPA 8260B	GASOLINE RANGE ORGANICS	18.0 U	20	18.0	8.6	ug/L	08/20/21	08/20/21
EPA 8260B	SURROGATE: 4-BROMOFLUOROBENZ	108	85-114			%	08/20/21	08/20/21

Quant Method:	MSUR803W.M
Run #:	0819M38
Instrument:	Max
Sequence:	210819
Dilution Factor:	1
Initials:	DA

Printed: 10/9/2021 6:54:29 AM

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

QC FORMS

EPA 8015B-eHL

Form 2 & 8

Surrogate Recovery

Lab Name: APPL, Inc. SDG No: 97057

Case No: 97057 Date Analyzed: 8/25/2021

Matrix: WATER Instrument: Apollo

APPL ID.	Client Sample No.	SURROGATE: OCTACOSANE (S)			SURROGATE: ORTHO-TERPHENYL (S)		
		Limits	Result	Qualifier	Limits	Result	Qualifier
210811A-BLK	Blank	60-142	99.0		56-125	83.4	
210811A-LCS	Lab Control Spike	60-142	100		56-125	93.3	
210811A-LCSD	Lab Control SpikeD	60-142	92.7		56-125	87.3	
BA37422	ERH1576	60-142	98.6		56-125	79.5	
BA37425	ERH1578	60-142	89.2		56-125	78.7	
BA37428	ERH1580	60-142	87.5		56-125	65.9	
BA37431	ERH1582	60-142	98.0		56-125	81.2	

Comments: Batch: #DOC53-210811A

EPA 8015B-eH

Form 4

Blank Summary

Lab Name: APPL, Inc. SDG No: 97057

Case No: 97057 Date Analyzed: 8/25/2021

Matrix: WATER Instrument: Apollo

Blank ID: 210811A-BLK Time Analyzed: 1352

APPL ID.	Client Sample No.	File ID.	Date Analyzed
210811A-BLK	Blank	824049	8/25/2021 1352
210811A-LCS	Lab Control Spike	824050	8/25/2021 1421
210811A-LCSD	Lab Control SpikeD	824051	8/25/2021 1449
BA37422	ERH1576	824053	8/25/2021 1546
BA37425	ERH1578	824054	8/25/2021 1615
BA37428	ERH1580	824055	8/25/2021 1643
BA37431	ERH1582	824056	8/25/2021 1712

Comments: Batch: #DOC53-210811A

Method Blank
EPA 8015B TPH LIQ-LIQ

Blank Name/QCG: **210811W-37288 - 267452**
Batch ID: #DOC53-210811A

APPL Inc.
908 North Temperance Avenu
Clovis, CA 93611

Sample Type	Analyte	Result	LOQ	LOD	DL	Units	Extraction Date	Analysis Date
BLANK	DIESEL (C10-C24)	300.0 U	320	300.0	150.0	ug/L	8/11/2021	8/25/2021
BLANK	OIL (C24-C40)	300.0 U	320	300.0	150.0	ug/L	8/11/2021	8/25/2021
BLANK	SURROGATE: OCTACOSANE (S)	99.0	60-142			%	8/11/2021	8/25/2021
BLANK	SURROGATE: ORTHO-TERPHEN	83.4	56-125			%	8/11/2021	8/25/2021

Quant Method: DOC0823.M
Run #: 824049
Instrument: Apollo
Sequence: 210824
Initials: KAB

GC SC-Blank-REG MDLs-DOD
Printed: 9/2/2021 2:57:32 PM

EPA 8015B-eH

Form 4

LCS Summary

Lab Name:	APPL, Inc.	SDG No:	97057
Case No:	97057	Date Analyzed:	8/25/2021
Matrix:	WATER	Instrument:	Apollo
LCS ID:	210811A-LCS	Time Analyzed:	1421

APPL ID.	Client Sample No.	File ID.	Date Analyzed
210811A-BLK	Blank	824049	8/25/2021 1352
210811A-LCS	Lab Control Spike	824050	8/25/2021 1421
210811A-LCSD	Lab Control SpikeD	824051	8/25/2021 1449
BA37422	ERH1576	824053	8/25/2021 1546
BA37425	ERH1578	824054	8/25/2021 1615
BA37428	ERH1580	824055	8/25/2021 1643
BA37431	ERH1582	824056	8/25/2021 1712

Comments: Batch: #DOC53-210811A

Laboratory Control Spike Recoveries
EPA 8015B TPH LIQ-LIQ

APPL ID: **210811W-37288 LCS - 267452**
Batch ID: #DOC53-210811A

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	1870	1730	93.5	86.5	36-132	7.8	30
OIL (C24-C40)	2000	1800	1690	90.0	84.5	41-113	6.3	30
SURROGATE: OCTACOSANE (S)	150	150	139	100	92.7	60-142		
SURROGATE: ORTHO-TERPHENYL (S)	150	140	131	93.3	87.3	56-125		

Comments:

Primary	SPK	DUP
Quant Method :	DOC0823.M	DOC0823.M
Extraction Date :	8/11/2021	8/11/2021
Analysis Date :	8/25/2021	8/25/2021
Instrument :	Apollo	Apollo
Run :	824050	824051
Initials :	KAB	

Printed: 9/2/2021 2:57:10 PM
APPL Standard LCSD

EPA 8015B-eHL

Form 2 & 8

Surrogate Recovery

Lab Name: APPL, Inc. SDG No: 97057

Case No: 97057 Date Analyzed: 8/25/2021

Matrix: WATER Instrument: Apollo

APPL ID.	Client Sample No.	SURROGATE: OCTACOSANE (S)			SURROGATE: ORTHO-TERPHENYL (S)		
		Limits	Result	Qualifier	Limits	Result	Qualifier
210809A-BLK	Blank	60-142	73.9		56-125	81.5	
210809A-LCS	Lab Control Spike	60-142	94.7		56-125	88.0	
210809A-LCSD	Lab Control SpikeD	60-142	89.3		56-125	82.0	
BA37423	ERH1576 BLANK	60-142	79.5		56-125	80.0	
BA37426	ERH1578 BLANK	60-142	80.4		56-125	75.7	
BA37429	ERH1580 BLANK	60-142	85.2		56-125	73.2	
BA37432	ERH1582 BLANK	60-142	76.6		56-125	67.3	

Comments: Batch: #RHBLK-210809A

EPA 8015B-eH

Form 4

Blank Summary

Lab Name: APPL, Inc. SDG No: 97057

Case No: 97057 Date Analyzed: 8/25/2021

Matrix: WATER Instrument: Apollo

Blank ID: 210809A-BLK Time Analyzed: 0936

APPL ID.	Client Sample No.	File ID.	Date Analyzed
210809A-BLK	Blank	824040	8/25/2021 0936
210809A-LCS	Lab Control Spike	824041	8/25/2021 1004
210809A-LCSD	Lab Control SpikeD	824042	8/25/2021 1033
BA37423	ERH1576 BLANK	824044	8/25/2021 1130
BA37426	ERH1578 BLANK	824045	8/25/2021 1158
BA37429	ERH1580 BLANK	824046	8/25/2021 1227
BA37432	ERH1582 BLANK	824047	8/25/2021 1255

Comments: Batch: #RHBLK-210809A

Method Blank
EPA 8015B TPH LIQ-LIQ

Blank Name/QCG: **210809W-37289 - 267435**
Batch ID: #RHBLK-210809A

APPL Inc.
908 North Temperance Avenu
Clovis, CA 93611

Sample Type	Analyte	Result	LOQ	LOD	DL	Units	Extraction Date	Analysis Date
BLANK	DIESEL (C10-C24)	300.0 U	320	300.0	150.0	ug/L	8/9/2021	8/25/2021
BLANK	OIL (C24-C40)	300.0 U	320	300.0	150.0	ug/L	8/9/2021	8/25/2021
BLANK	SURROGATE: OCTACOSANE (S)	73.9	60-142			%	8/9/2021	8/25/2021
BLANK	SURROGATE: ORTHO-TERPHEN	81.5	56-125			%	8/9/2021	8/25/2021

Quant Method: DOC0823.M
Run #: 824040
Instrument: Apollo
Sequence: 210824
Initials: KAB

GC SC-Blank-REG MDLs-DOD
Printed: 9/3/2021 11:36:40 AM

EPA 8015B-eH

Form 4

LCS Summary

Lab Name: APPL, Inc. SDG No: 97057

Case No: 97057 Date Analyzed: 8/25/2021

Matrix: WATER Instrument: Apollo

LCS ID: 210809A-LCS Time Analyzed: 1004

APPL ID.	Client Sample No.	File ID.	Date Analyzed
210809A-BLK	Blank	824040	8/25/2021 0936
210809A-LCS	Lab Control Spike	824041	8/25/2021 1004
210809A-LCSD	Lab Control SpikeD	824042	8/25/2021 1033
BA37423	ERH1576 BLANK	824044	8/25/2021 1130
BA37426	ERH1578 BLANK	824045	8/25/2021 1158
BA37429	ERH1580 BLANK	824046	8/25/2021 1227
BA37432	ERH1582 BLANK	824047	8/25/2021 1255

Comments: Batch: #RHBLK-210809A

Laboratory Control Spike Recoveries
EPA 8015B TPH LIQ-LIQ

APPL ID: **210809W-37289 LCS - 267435**
Batch ID: #RHBLK-210809A

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	31.7	20.3	NA	NA	36-132		30
OIL (C24-C40)	0	190	132	NA	NA	41-113		30
SURROGATE: OCTACOSANE (S)	150	142	134	94.7	89.3	60-142		
SURROGATE: ORTHO-TERPHENYL (S)	150	132	123	88.0	82.0	56-125		

Comments:

Primary	SPK	DUP
Quant Method :	DOC0823.M	DOC0823.M
Extraction Date :	8/9/2021	8/9/2021
Analysis Date :	8/25/2021	8/25/2021
Instrument :	Apollo	Apollo
Run :	824041	824042
Initials :	KAB	

EPA 8015B-eHL

Form 2 & 8

Surrogate Recovery

Lab Name: APPL, Inc. SDG No: 97057

Case No: 97057 Date Analyzed: 8/25/2021

Matrix: WATER Instrument: Apollo

APPL ID.	Client Sample No.	SURROGATE: (R) DECANOIC ACID (S)			SURROGATE: OCTACOSANE (S)		
		Limits	Result	Qualifier	Limits	Result	Qualifier
210811A1-BLK	Blank	0-1	0.0		60-142	93.6	
210811A1-LCS	Lab Control Spike	0-1	0.0		60-142	93.3	
210811A1-LCSD	Lab Control SpikeD	0-1	0.0		60-142	93.3	
BA37422	ERH1576	0-1	0.0		60-142	89.1	
BA37425	ERH1578	0-1	0.0		60-142	90.1	
BA37428	ERH1580	0-1	0.0		60-142	93.9	
BA37431	ERH1582	0-1	0.0		60-142	87.6	

Comments: Batch: #DOC53-210811A1

EPA 8015B-eHL

Form 2 & 8

Surrogate Recovery

Lab Name: APPL, Inc. SDG No: 97057

Case No: 97057 Date Analyzed: 8/25/2021

Matrix: WATER Instrument: Apollo

APPL ID.	Client Sample No.	SURROGATE: ORTHO-TERPHENYL (S)					
		Limits	Result	Qualifier	Limits	Result	Qualifier
210811A1-BLK	Blank	56-125	77.3				
210811A1-LCS	Lab Control Spike	56-125	85.3				
210811A1-LCSD	Lab Control SpikeD	56-125	86.0				
BA37422	ERH1576	56-125	71.5				
BA37425	ERH1578	56-125	74.0				
BA37428	ERH1580	56-125	71.2				
BA37431	ERH1582	56-125	72.8				

Comments: Batch: #DOC53-210811A1

EPA 8015B-eH

Form 4

Blank Summary

Lab Name: APPL, Inc. SDG No: 97057

Case No: 97057 Date Analyzed: 8/25/2021

Matrix: WATER Instrument: Apollo

Blank ID: 210811A1-BLK Time Analyzed: 1837

APPL ID.	Client Sample No.	File ID.	Date Analyzed
210811A1-BLK	Blank	824059	8/25/2021 1837
210811A1-LCS	Lab Control Spike	824060	8/25/2021 1906
210811A1-LCSD	Lab Control SpikeD	824061	8/25/2021 1934
BA37422	ERH1576	824063	8/25/2021 2032
BA37425	ERH1578	824064	8/25/2021 2100
BA37428	ERH1580	824065	8/25/2021 2129
BA37431	ERH1582	824066	8/25/2021 2157

Comments: Batch: #DOC53-210811A1

Method Blank
EPA 8015B TPH WATER L-L SGC

APPL Inc.
908 North Temperance Avenu
Clovis, CA 93611

Blank Name/QCG: **210811W-37288 - 267529**
Batch ID: #DOC53-210811A1

Sample Type	Analyte	Result	LOQ	LOD	DL	Units	Extraction Date	Analysis Date
BLANK	DIESEL (C10-C24)	300.0 U	320	300.0	150.0	ug/L	8/11/2021	8/25/2021
BLANK	OIL (C24-C40)	300.0 U	320	300.0	150.0	ug/L	8/11/2021	8/25/2021
BLANK	SURROGATE: (R) DECANOIC AC	0.0	0-1			%	8/11/2021	8/25/2021
BLANK	SURROGATE: OCTACOSANE (S)	93.6	60-142			%	8/11/2021	8/25/2021
BLANK	SURROGATE: ORTHO-TERPHEN	77.3	56-125			%	8/11/2021	8/25/2021

Quant Method: DEC0712.M
Run #: 824059
Instrument: Apollo
Sequence: 210824
Initials: KAB

GC SC-Blank-REG MDLs-DOD
Printed: 9/3/2021 11:32:56 AM

EPA 8015B-eH

Form 4

LCS Summary

Lab Name:	APPL, Inc.	SDG No:	97057
Case No:	97057	Date Analyzed:	8/25/2021
Matrix:	WATER	Instrument:	Apollo
LCS ID:	210811A1-LCS	Time Analyzed:	1906

APPL ID.	Client Sample No.	File ID.	Date Analyzed
210811A1-BLK	Blank	824059	8/25/2021 1837
210811A1-LCS	Lab Control Spike	824060	8/25/2021 1906
210811A1-LCSD	Lab Control SpikeD	824061	8/25/2021 1934
BA37422	ERH1576	824063	8/25/2021 2032
BA37425	ERH1578	824064	8/25/2021 2100
BA37428	ERH1580	824065	8/25/2021 2129
BA37431	ERH1582	824066	8/25/2021 2157

Comments: Batch: #DOC53-210811A1

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

APPL ID: **210811W-37288 LCS - 267529**
Batch ID: #DOC53-210811A1

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	1660	1660	83.0	83.0	36-132	0.0	30
OIL (C24-C40)	2000	1650	1670	82.5	83.5	41-113	1.2	30
SURROGATE: (R) DECANOIC ACID (S)	10.00	0	0	0.0	0.0	0-1		
SURROGATE: OCTACOSANE (S)	150	140	140	93.3	93.3	60-142		
SURROGATE: ORTHO-TERPHENYL (S)	150	128	129	85.3	86.0	56-125		

Comments:

Primary	SPK	DUP
Quant Method :	DEC0712.M	DEC0712.M
Extraction Date :	8/11/2021	8/11/2021
Analysis Date :	8/25/2021	8/25/2021
Instrument :	Apollo	Apollo
Run :	824060	824061
Initials :	KAB	

8270D-SIM

Form 2 & 8

Surrogate Recovery

Lab Name: APPL, Inc. SDG No: 97057

Case No: 97057 Date Analyzed: 8/13/2021

Matrix: WATER Instrument: Linus

APPL ID.	Client Sample No.	SURROGATE: 2-METHYLNAPHTHALENE-D10 (S)			SURROGATE: FLUORANTHENE-D10 (S)		
		Limits	Result	Qualifier	Limits	Result	Qualifier
210811A-BLK	Blank	39-114	77.6		58-120	91.6	
210811A-LCS	Lab Control Spike	39-114	86.0		58-120	98.4	
210811A-LCSD	Lab Control SpikeD	39-114	85.0		58-120	95.8	
BA37422	ERH1576	39-114	81.1		58-120	47.5	#
BA37425	ERH1578	39-114	86.0		58-120	64.3	
BA37428	ERH1580	39-114	77.5		58-120	47.0	#
BA37431	ERH1582	39-114	76.3		58-120	87.0	

Comments: Batch: #SIM53-210811A

= Recovery outside of Control Limits on Sample.

8270D-SIM

Form 4

Blank Summary

Lab Name: APPL, Inc. SDG No: 97057

Case No: 97057 Date Analyzed: 8/13/2021

Matrix: WATER Instrument: Linus

Blank ID: 210811A-BLK Time Analyzed: 1212

APPL ID.	Client Sample No.	File ID.	Date Analyzed
210811A-BLK	Blank	0809L064	8/13/2021 1212
210811A-LCS	Lab Control Spike	0809L065	8/13/2021 1234
210811A-LCSD	Lab Control SpikeD	0809L066	8/13/2021 1257
BA37422	ERH1576	0809L067	8/13/2021 1319
BA37425	ERH1578	0809L068	8/13/2021 1341
BA37428	ERH1580	0809L069	8/13/2021 1403
BA37431	ERH1582	0809L070	8/13/2021 1425

Comments: Batch: #SIM53-210811A

Method Blank
EPA 8270D SIM LIQ-LIQ

Blank Name/QCG: **210811W-37422 - 267015**
Batch ID: #SIM53-210811A

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	8/11/2021	8/13/2021
BLANK	2-METHYLNAPHTHALENE	0.10 U	0.2	0.10	0.04	ug/L	8/11/2021	8/13/2021
BLANK	NAPHTHALENE	0.10 U	0.2	0.10	0.04	ug/L	8/11/2021	8/13/2021
BLANK	SURROGATE: 2-METHYLNAPHT	77.6	39-114			%	8/11/2021	8/13/2021
BLANK	SURROGATE: FLUORANTHENE-	91.6	58-120			%	8/11/2021	8/13/2021

Quant Method: L0715.M
Run #: 0809L064
Instrument: Linus
Sequence: L210809
Initials: LSI

GC SC-Blank-REG MDLs-DOD
Printed: 10/13/2021 7:41:57 AM

8270D-SIM

Form 4

LCS Summary

Lab Name: APPL, Inc. SDG No: 97057

Case No: 97057 Date Analyzed: 8/13/2021

Matrix: WATER Instrument: Linus

LCS ID: 210811A-LCS Time Analyzed: 1234

APPL ID.	Client Sample No.	File ID.	Date Analyzed
210811A-BLK	Blank	0809L064	8/13/2021 1212
210811A-LCS	Lab Control Spike	0809L065	8/13/2021 1234
210811A-LCSD	Lab Control SpikeD	0809L066	8/13/2021 1257
BA37422	ERH1576	0809L067	8/13/2021 1319
BA37425	ERH1578	0809L068	8/13/2021 1341
BA37428	ERH1580	0809L069	8/13/2021 1403
BA37431	ERH1582	0809L070	8/13/2021 1425

Comments: Batch: #SIM53-210811A

Laboratory Control Spike Recoveries
EPA 8270D SIM LIQ-LIQ

APPL ID: **210811W-37422 LCS - 267015**
Batch ID: #SIM53-210811A

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	4.54	4.51	90.8	90.2	41-115	0.66	20
2-METHYLNAPHTHALENE	5.00	4.57	4.57	91.4	91.4	39-114	0.0	20
NAPHTHALENE	5.00	4.48	4.47	89.6	89.4	43-114	0.22	20
SURROGATE: 2-METHYLNAPHTHALEN	5.00	4.30	4.25	86.0	85.0	39-114		
SURROGATE: FLUORANTHENE-D10 (S)	5.00	4.92	4.79	98.4	95.8	58-120		

Comments:

Primary	SPK	DUP
Quant Method :	L0715.M	L0715.M
Extraction Date :	8/11/2021	8/11/2021
Analysis Date :	8/13/2021	8/13/2021
Instrument :	Linus	Linus
Run :	0809L065	0809L066
Initials :	LSI	

Form 5
Tune Summary

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

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

	Client Sample No.	APPL ID.	File ID.	Date Analyzed
1		0.1 SIM 07/08/21	0715L004.D	7/15/2021 9:04
2		0.2 SIM 07/08/21	0715L005.D	7/15/2021 9:26
3		0.5 SIM 07/08/21	0715L006.D	7/15/2021 9:48
4		1 SIM 07/08/21	0715L007.D	7/15/2021 10:10
5		5 SIM 07/08/21	0715L008.D	7/15/2021 10:32
6		10 SIM 07/08/21	0715L009.D	7/15/2021 10:55
7		50 SIM 07/08/21	0715L010.D	7/15/2021 11:17
8		100 SIM 07/08/21	0715L011.D	7/15/2021 11:39
9		SS SIM 07/08/21	0715L012.D	7/15/2021 12:01
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				

m/e		
51	10 - 80.01% of mass 198	59.2
68	0 - 2% of mass 69	0.0
69	100 - 100% of mass 69	100.0
70	0 - 2% of mass 69	0.5
127	10 - 80% of mass 198	61.7
197	0 - 2% of mass 198	0.0
198	100 - 100% of mass 198	100.0
199	5 - 9% of mass 198	6.6
275	10 - 60% of mass 198	20.7
365	1 - 100% of mass 198	3.2
441	0.01 - 24% of mass 442	17.9
442	50 - 500% of mass 198	56.6
443	15 - 24% of mass 442	19.1

Form 5
Tune Summary

Lab Name: APPL Inc. SDG No: 97057
Case No: 97057 Date Analyzed: 8/13/2021
Matrix: Water Instrument: Linus
ID: 0809L058.D Time Analyzed: 10:03

	Client Sample No.	APPL ID.	File ID.	Date Analyzed
1		5 SIM 07/08/21 (3)	0809L059.D	8/13/2021 10:19
2	Blank	210811A BLK 1/1000	0809L064.D	8/13/2021 12:12
3	Lab Control Spike	210811A LCS-1 1/1000	0809L065.D	8/13/2021 12:34
4	Lab Control SpikeD	210811A LCSD-1 1/100	0809L066.D	8/13/2021 12:57
5	ERH1576	BA37422W06 1/870	0809L067.D	8/13/2021 13:19
6	ERH1578	BA37425W05 1/870	0809L068.D	8/13/2021 13:41
7	ERH1580	BA37428W05 1/870	0809L069.D	8/13/2021 14:03
8	ERH1582	BA37431W06 1/850	0809L070.D	8/13/2021 14:25
9		5 SIM 07/08/21 (4)	0809L075.D	8/13/2021 16:21
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				

m/e		
51	10 - 80.01% of mass 198	58.2
68	0 - 2% of mass 69	0.0
69	100 - 100% of mass 69	100.0
70	0 - 2% of mass 69	0.8
127	10 - 80% of mass 198	63.7
197	0 - 2% of mass 198	0.0
198	100 - 100% of mass 198	100.0
199	5 - 9% of mass 198	6.6
275	10 - 60% of mass 198	21.4
365	1 - 100% of mass 198	2.6
441	0.01 - 24% of mass 442	16.5
442	50 - 500% of mass 198	72.3
443	15 - 24% of mass 442	19.3

8A
INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: APPL Inc. Contract:

Lab Code: SDG No.:

Lab File ID (Standard): 0809L059.D Date Analyzed: 08/13/21

Instrument ID: Linus Time Analyzed: 10:19

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

		Napthalene-D8(IS)		Acenaphthene-D10(IS)		Phenanthrene-D10(IS)	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
	12 HOUR STD	37685	4.05	17469	6.05	27574	7.76
	UPPER LIMIT	75370	4.22	34938	6.22	55148	7.93
	LOWER LIMIT	18843	3.88	8735	5.88	13787	7.59
	SAMPLE NO.						
01	210811A BLK 1/1000	37662	4.05	17881	6.04	30034	7.76
02	210811A LCS-1 1/1000	35844	4.05	16895	6.04	28811	7.76
03	210811A LCSD-1 1/100	37774	4.05	18062	6.04	30284	7.76
04	BA37422W06 1/870	37623	4.05	18183	6.04	30475	7.76
05	BA37425W05 1/870	34950	4.05	17554	6.04	29669	7.76
06	BA37428W05 1/870	32744	4.05	15677	6.04	26577	7.76
07	BA37431W06 1/850	38190	4.05	18172	6.04	30901	7.76
08	5 SIM 07/08/21 (4)	39281	4.05	18578	6.04	29842	7.76
09							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							

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

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

EPA 8260B

Form 2 & 8

Surrogate Recovery

Lab Name: APPL, Inc. SDG No: 97057

Case No: 97057 Date Analyzed: 8/18/2021

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
210818AM-LCS	Lab Control Spike	81-118	106		85-114	97.2	
210818AM-LCSD	Lab Control SpikeD	81-118	96.4		85-114	96.4	
210818AM-BLK	Blank	81-118	99.1		85-114	96.2	
BA37421	ERH1575	81-118	105		85-114	97.4	
BA37422	ERH1576	81-118	105		85-114	93.1	
BA37424	ERH1577	81-118	96.8		85-114	94.9	

Comments: Batch: #86BTO-210818AM

EPA 8260B

Form 2 & 8

Surrogate Recovery

Lab Name: APPL, Inc. SDG No: 97057

Case No: 97057 Date Analyzed: 8/18/2021

Matrix: WATER Instrument: Max

APPL ID.	Client Sample No.	SURROGATE: DIBROMOFLUOROMETHANE (S)			SURROGATE: TOLUENE-D8 (S)		
		Limits	Result	Qualifier	Limits	Result	Qualifier
210818AM-LCS	Lab Control Spike	80-119	98.4		89-112	94.8	
210818AM-LCSD	Lab Control SpikeD	80-119	94.8		89-112	91.2	
210818AM-BLK	Blank	80-119	96.2		89-112	91.8	
BA37421	ERH1575	80-119	98.6		89-112	91.3	
BA37422	ERH1576	80-119	97.9		89-112	89.8	
BA37424	ERH1577	80-119	98.1		89-112	89.1	

Comments: Batch: #86BTO-210818AM

EPA 8260B

Form 2 & 8

Surrogate Recovery

Lab Name: APPL, Inc. SDG No: 97057

Case No: 97057 Date Analyzed: 8/19/2021

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
210819AM-LCS	Lab Control Spike	81-118	99.6		85-114	101	
210819AM-LCSD	Lab Control SpikeD	81-118	95.2		85-114	101	
210819AM-BLK	Blank	81-118	99.4		85-114	100	
BA37425	ERH1578	81-118	105		85-114	101	
BA37427	ERH1579	81-118	95.6		85-114	99.4	
BA37428	ERH1580	81-118	104		85-114	101	
BA37430	ERH1581	81-118	101		85-114	99.2	
BA37431	ERH1582	81-118	101		85-114	101	

Comments: Batch: #86BTO-210819AM

EPA 8260B

Form 2 & 8

Surrogate Recovery

Lab Name: APPL, Inc. SDG No: 97057

Case No: 97057 Date Analyzed: 8/19/2021

Matrix: WATER Instrument: Max

APPL ID.	Client Sample No.	SURROGATE: DIBROMOFLUOROMETHANE (S)			SURROGATE: TOLUENE-D8 (S)		
		Limits	Result	Qualifier	Limits	Result	Qualifier
210819AM-LCS	Lab Control Spike	80-119	102		89-112	99.2	
210819AM-LCSD	Lab Control SpikeD	80-119	99.2		89-112	98.4	
210819AM-BLK	Blank	80-119	95.9		89-112	100	
BA37425	ERH1578	80-119	105		89-112	99.0	
BA37427	ERH1579	80-119	96.7		89-112	98.9	
BA37428	ERH1580	80-119	98.8		89-112	101	
BA37430	ERH1581	80-119	99.0		89-112	97.4	
BA37431	ERH1582	80-119	100		89-112	101	

Comments: Batch: #86BTO-210819AM

EPA 8260B

Form 4

Blank Summary

Lab Name:	APPL, Inc.	SDG No:	97057
Case No:	97057	Date Analyzed:	8/18/2021
Matrix:	WATER	Instrument:	Max
Blank ID:	210818AM-BLK	Time Analyzed:	1606

APPL ID.	Client Sample No.	File ID.	Date Analyzed
210818AM-LCS	Lab Control Spike	0818M03	8/18/2021 1414
210818AM-LCSD	Lab Control SpikeD	0818M04	8/18/2021 1442
210818AM-BLK	Blank	0818M07	8/18/2021 1606
BA37421	ERH1575	0818M24	8/19/2021 0001
BA37422	ERH1576	0818M25	8/19/2021 0029
BA37424	ERH1577	0818M26	8/19/2021 0056

Comments: Batch: #86BTO-210818AM

EPA 8260B

Form 4

Blank Summary

Lab Name:	APPL, Inc.	SDG No:	97057
Case No:	97057	Date Analyzed:	8/19/2021
Matrix:	WATER	Instrument:	Max
Blank ID:	210819AM-BLK	Time Analyzed:	2138

APPL ID.	Client Sample No.	File ID.	Date Analyzed
210819AM-LCS	Lab Control Spike	0819M22	8/19/2021 1946
210819AM-LCSD	Lab Control SpikeD	0819M23	8/19/2021 2014
210819AM-BLK	Blank	0819M26	8/19/2021 2138
BA37425	ERH1578	0819M34	8/20/2021 0121
BA37427	ERH1579	0819M35	8/20/2021 0149
BA37428	ERH1580	0819M36	8/20/2021 0217
BA37430	ERH1581	0819M37	8/20/2021 0245
BA37431	ERH1582	0819M38	8/20/2021 0313

Comments: Batch: #86BTO-210819AM

Method Blank
EPA 8260B BTEX WATER

APPL Inc.
908 North Temperance Avenu
Clovis, CA 93611

Blank Name/QCG: **210819W-37425 - 268023**
Batch ID: #86BTO-210819AM

Sample Type	Analyte	Result	LOQ	LOD	DL	Units	Extraction Date	Analysis Date
BLANK	BENZENE	0.30 U	1.0	0.30	0.15	ug/L	8/19/2021	8/19/2021
BLANK	ETHYLBENZENE	0.50 U	1.0	0.50	0.23	ug/L	8/19/2021	8/19/2021
BLANK	TOLUENE	0.30 U	1.0	0.30	0.15	ug/L	8/19/2021	8/19/2021
BLANK	XYLENES (TOTAL)	0.30 U	2.0	0.30	0.15	ug/L	8/19/2021	8/19/2021
BLANK	SURROGATE: 1,2-DICHLOROET	99.4	81-118			%	8/19/2021	8/19/2021
BLANK	SURROGATE: 4-BROMOFLUOR	100	85-114			%	8/19/2021	8/19/2021
BLANK	SURROGATE: DIBROMOFLUOR	95.9	80-119			%	8/19/2021	8/19/2021
BLANK	SURROGATE: TOLUENE-D8 (S)	100	89-112			%	8/19/2021	8/19/2021

Quant Method: M0819W.M
Run #: 0819M26
Instrument: Max
Sequence: 210819
Initials: DA

GC SC-Blank-REG MDLs-DOD
Printed: 9/20/2021 4:50:49 PM

Method Blank
EPA 8260B BTEX WATER

Blank Name/QCG: **210818W-37421 - 268024**
Batch ID: #86BTO-210818AM

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	8/18/2021	8/18/2021
BLANK	ETHYLBENZENE	0.50 U	1.0	0.50	0.23	ug/L	8/18/2021	8/18/2021
BLANK	TOLUENE	0.30 U	1.0	0.30	0.15	ug/L	8/18/2021	8/18/2021
BLANK	XYLENES (TOTAL)	0.30 U	2.0	0.30	0.15	ug/L	8/18/2021	8/18/2021
BLANK	SURROGATE: 1,2-DICHLOROET	99.1	81-118			%	8/18/2021	8/18/2021
BLANK	SURROGATE: 4-BROMOFLUOR	96.2	85-114			%	8/18/2021	8/18/2021
BLANK	SURROGATE: DIBROMOFLUOR	96.2	80-119			%	8/18/2021	8/18/2021
BLANK	SURROGATE: TOLUENE-D8 (S)	91.8	89-112			%	8/18/2021	8/18/2021

Quant Method: M0816NEW.
Run #: 0818M07
Instrument: Max
Sequence: 210818
Initials: DA

GC SC-Blank-REG MDLs-DOD
Printed: 9/20/2021 4:50:49 PM

EPA 8260B

Form 4

LCS Summary

Lab Name:	APPL, Inc.	SDG No:	97057
Case No:	97057	Date Analyzed:	8/18/2021
Matrix:	WATER	Instrument:	Max
LCS ID:	210818AM-LCS	Time Analyzed:	1414

APPL ID.	Client Sample No.	File ID.	Date Analyzed
210818AM-LCS	Lab Control Spike	0818M03	8/18/2021 1414
210818AM-LCSD	Lab Control SpikeD	0818M04	8/18/2021 1442
210818AM-BLK	Blank	0818M07	8/18/2021 1606
BA37421	ERH1575	0818M24	8/19/2021 0001
BA37422	ERH1576	0818M25	8/19/2021 0029
BA37424	ERH1577	0818M26	8/19/2021 0056

Comments: Batch: #86BTO-210818AM

EPA 8260B

Form 4

LCS Summary

Lab Name:	APPL, Inc.	SDG No:	97057
Case No:	97057	Date Analyzed:	8/19/2021
Matrix:	WATER	Instrument:	Max
LCS ID:	210819AM-LCS	Time Analyzed:	1946

APPL ID.	Client Sample No.	File ID.	Date Analyzed
210819AM-LCS	Lab Control Spike	0819M22	8/19/2021 1946
210819AM-LCSD	Lab Control SpikeD	0819M23	8/19/2021 2014
210819AM-BLK	Blank	0819M26	8/19/2021 2138
BA37425	ERH1578	0819M34	8/20/2021 0121
BA37427	ERH1579	0819M35	8/20/2021 0149
BA37428	ERH1580	0819M36	8/20/2021 0217
BA37430	ERH1581	0819M37	8/20/2021 0245
BA37431	ERH1582	0819M38	8/20/2021 0313

Comments: Batch: #86BTO-210819AM

Laboratory Control Spike Recoveries
EPA 8260B BTEX WATER

APPL ID: **210818W-37421 LCS - 268024**
Batch ID: #86BTO-210818AM

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	9.86	9.22	98.6	92.2	79-120	6.7	20
ETHYLBENZENE	10.00	9.77	9.59	97.7	95.9	79-121	1.9	20
TOLUENE	10.00	10.5	10.2	105	102	80-121	2.9	20
XYLENES (TOTAL)	30.0	29.2	29.3	97.3	97.7	79-121	0.34	20
SURROGATE: 1,2-DICHLOROETHANE-D	25.0	26.4	24.1	106	96.4	81-118		
SURROGATE: 4-BROMOFLUOROBENZE	25.0	24.3	24.1	97.2	96.4	85-114		
SURROGATE: DIBROMOFLUOROMETH	25.0	24.6	23.7	98.4	94.8	80-119		
SURROGATE: TOLUENE-D8 (S)	25.0	23.7	22.8	94.8	91.2	89-112		

Comments:

Primary	SPK	DUP
Quant Method :	M0816W.M	M0816W.M
Extraction Date :	8/18/2021	8/18/2021
Analysis Date :	8/18/2021	8/18/2021
Instrument :	Max	Max
Run :	0818M03	0818M04
Initials :	DA	

Laboratory Control Spike Recoveries
EPA 8260B BTEX WATER

APPL ID: **210819W-37425 LCS - 268023**
Batch ID: #86BTO-210819AM

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Compound Name	Spike Lvl ug/L	SPK Result ug/L	DUP Result ug/L	SPK % Recovery	DUP % Recovery	Recovery Limits	RPD %	RPD Limits
BENZENE	10.00	10.9	9.40	109	94.0	79-120	14.8	20
ETHYLBENZENE	10.00	10.5	9.40	105	94.0	79-121	11.1	20
TOLUENE	10.00	11.5	9.45	115	94.5	80-121	19.6	20
XYLENES (TOTAL)	30.0	33.4	28.5	111	95.0	79-121	15.8	20
SURROGATE: 1,2-DICHLOROETHANE-D	25.0	24.9	23.8	99.6	95.2	81-118		
SURROGATE: 4-BROMOFLUOROBENZE	25.0	25.3	25.3	101	101	85-114		
SURROGATE: DIBROMOFLUOROMETH	25.0	25.6	24.8	102	99.2	80-119		
SURROGATE: TOLUENE-D8 (S)	25.0	24.8	24.6	99.2	98.4	89-112		

Comments:

Primary	SPK	DUP
Quant Method :	M0819W.M	M0819W.M
Extraction Date :	8/19/2021	8/19/2021
Analysis Date :	8/19/2021	8/19/2021
Instrument :	Max	Max
Run :	0819M22	0819M23
Initials :	DA	

Form 5
Tune Summary

Lab Name: APPL Inc.
Case No:
Matrix: Water
ID: 0819M11.D

SDG No:
Date Analyzed: 8/19/2021
Instrument: Max
Time Analyzed: 14:38

	Client Sample No.	APPL ID.	File ID.	Date Analyzed
1		0.2ug/L VOC STD 8/19	0819M12.D	8/19/2021 15:06
2		0.5ug/L VOC STD 8/19	0819M13.D	8/19/2021 15:34
3		1ug/L VOC STD 8/19/2	0819M14.D	8/19/2021 16:02
4		2ug/L VOC STD 8/19/2	0819M15.D	8/19/2021 16:30
5		5ug/L VOC STD 8/19/2	0819M16.D	8/19/2021 16:58
6		10ug/L VOC STD 8/19/	0819M17.D	8/19/2021 17:26
7		20ug/L VOC STD 8/19/	0819M18.D	8/19/2021 17:54
8		40ug/L VOC STD 8/19/	0819M19.D	8/19/2021 18:22
9		100ug/L VOC STD 8/19	0819M20.D	8/19/2021 18:50
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				

m/e		
50	15 - 40% of mass 95	15.5
75	30 - 60.04% of mass 95	47.5
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	119.0
175	5 - 9.02% of mass 174	7.0
176	94.9 - 101% of mass 174	95.7
177	5 - 9% of mass 176	5.5

Form 5
Tune Summary

Lab Name: APPL Inc.
Case No: 97057
Matrix: Water
ID: 0819M22.D

SDG No: 97057
Date Analyzed: 8/19/2021
Instrument: Max
Time Analyzed: 19:46

	Client Sample No.	APPL ID.	File ID.	Date Analyzed
1	Lab Control SpikeD	210819A LCSD 10ug/L	0819M23.D	8/19/2021 20:14
2	Blank	210819A BLK	0819M26.D	8/19/2021 21:38
3	ERH1578	BA37425W01	0819M34.D	8/20/2021 1:21
4	ERH1579	BA37427W01	0819M35.D	8/20/2021 1:49
5	ERH1580	BA37428W01	0819M36.D	8/20/2021 2:17
6	ERH1581	BA37430W01	0819M37.D	8/20/2021 2:45
7	ERH1582	BA37431W01	0819M38.D	8/20/2021 3:13
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				

m/e		
50	15 - 40% of mass 95	17.4
75	30 - 60.04% of mass 95	51.3
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	120.2
175	5 - 9.02% of mass 174	7.9
176	94.9 - 101% of mass 174	95.5
177	5 - 9% of mass 176	7.5

Form 5
Tune Summary

Lab Name: APPL Inc.
Case No:
Matrix: Water
ID: 0816M02.D

SDG No:
Date Analyzed: 8/16/2021
Instrument: Max
Time Analyzed: 13:05

	Client Sample No.	APPL ID.	File ID.	Date Analyzed
1		0.5ug/L HCL-VOC STD	0816M08.D	8/16/2021 16:51
2		1ug/L HCL-VOC STD 8/	0816M09.D	8/16/2021 17:19
3		2ug/L HCL-VOC STD 8/	0816M10.D	8/16/2021 17:47
4		5ug/L HCL-VOC STD 8/	0816M11.D	8/16/2021 18:15
5		10ug/L HCL-VOC STD 8	0816M12.D	8/16/2021 18:43
6		20ug/L HCL-VOC STD 8	0816M13.D	8/16/2021 19:11
7		40ug/L HCL-VOC STD 8	0816M14.D	8/16/2021 19:39
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				

m/e		
50	15 - 40% of mass 95	16.0
75	30 - 60.04% of mass 95	50.2
95	100 - 200% of mass 95	100.0
96	5 - 9% of mass 95	7.0
173	0 - 2% of mass 174	0.9
174	50 - 200% of mass 95	119.8
175	5 - 9.02% of mass 174	7.7
176	94.9 - 101% of mass 174	101.0
177	5 - 9% of mass 176	5.8

Form 5
Tune Summary

Lab Name: APPL Inc.
Case No: 97057
Matrix: Water
ID: 0818M00.D

SDG No: 97057
Date Analyzed: 8/18/2021
Instrument: Max
Time Analyzed: 12:58

	Client Sample No.	APPL ID.	File ID.	Date Analyzed
1		210818A CCV 10ug/L	0818M02.D	8/18/2021 13:46
2	Lab Control Spike	210818A LCS 10ug/L	0818M03.D	8/18/2021 14:14
3	Lab Control SpikeD	210818A LCSD 10ug/L	0818M04.D	8/18/2021 14:42
4	Blank	210818A BLK	0818M07.D	8/18/2021 16:06
5	ERH1575	BA37421W01	0818M24.D	8/19/2021 0:01
6	ERH1576	BA37422W01	0818M25.D	8/19/2021 0:29
7	ERH1577	BA37424W01	0818M26.D	8/19/2021 0:56
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				

m/e		
50	15 - 40% of mass 95	15.4
75	30 - 60.04% of mass 95	47.4
95	100 - 200% of mass 95	100.0
96	5 - 9% of mass 95	7.5
173	0 - 2% of mass 174	0.4
174	50 - 200% of mass 95	134.3
175	5 - 9.02% of mass 174	5.1
176	94.9 - 101% of mass 174	97.7
177	5 - 9% of mass 176	7.4

8A
INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: APPL Inc. Contract:

Lab Code: SDG No.:

Lab File ID (Standard): 0818M02.D Date Analyzed: 08/18/21

Instrument ID: Max Time Analyzed: 13:46

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	28935	6.31	24450	9.77	15912	12.33
	UPPER LIMIT	57870	6.48	48900	9.94	31824	12.50
	LOWER LIMIT	14468	6.14	12225	9.60	7956	12.16
	SAMPLE NO.						
01	210818A LCS 10ug/L	28410	6.30	24496	9.76	15566	12.33
02	210818A LCSD 10ug/L	28711	6.30	24413	9.76	15608	12.32
03	210818A BLK	28390	6.31	24618	9.77	14937	12.33
04	BA37421W01	28360	6.30	24071	9.76	15358	12.33
05	BA37422W01	28156	6.30	24432	9.76	15428	12.32
06	BA37424W01	27212	6.30	23770	9.76	14714	12.32
07							
08							
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: 97057

Case No: 97057 Date Analyzed: 8/18/2021

Matrix: WATER Instrument: Max

APPL ID.	Client Sample No.	SURROGATE: 4-BROMOFLUOROBENZENE (S)					
		Limits	Result	Qualifier	Limits	Result	Qualifier
210818AM-LCS	Lab Control Spike	85-114	110				
210818AM-LCSD	Lab Control SpikeD	85-114	110				
210818AM-BLK	Blank	85-114	109				
BA37421	ERH1575	85-114	111				
BA37422	ERH1576	85-114	106				
BA37424	ERH1577	85-114	108				

Comments: Batch: #GRO86-210818A

EPA 8260B

Form 2 & 8

Surrogate Recovery

Lab Name: APPL, Inc. SDG No: 97057

Case No: 97057 Date Analyzed: 8/19/2021

Matrix: WATER Instrument: Max

APPL ID.	Client Sample No.	SURROGATE: 4-BROMOFLUOROBENZENE (S)					
		Limits	Result	Qualifier	Limits	Result	Qualifier
210819AM-LCS	Lab Control Spike	85-114	111				
210819AM-LCSD	Lab Control SpikeD	85-114	100				
210819AM-BLK	Blank	85-114	108				
BA37425	ERH1578	85-114	108				
BA37427	ERH1579	85-114	107				
BA37428	ERH1580	85-114	108				
BA37430	ERH1581	85-114	107				
BA37431	ERH1582	85-114	108				

Comments: Batch: #GRO86-210819A

EPA 8260B

Form 4

Blank Summary

Lab Name:	APPL, Inc.	SDG No:	97057
Case No:	97057	Date Analyzed:	8/18/2021
Matrix:	WATER	Instrument:	Max
Blank ID:	210818AM-BLK	Time Analyzed:	1606

APPL ID.	Client Sample No.	File ID.	Date Analyzed
210818AM-LCS	Lab Control Spike	0818M05	8/18/2021 1510
210818AM-LCSD	Lab Control SpikeD	0818M06	8/18/2021 1538
210818AM-BLK	Blank	0818M07	8/18/2021 1606
BA37421	ERH1575	0818M24	8/19/2021 0001
BA37422	ERH1576	0818M25	8/19/2021 0029
BA37424	ERH1577	0818M26	8/19/2021 0056

Comments: Batch: #GRO86-210818A

EPA 8260B

Form 4

Blank Summary

Lab Name: APPL, Inc. SDG No: 97057

Case No: 97057 Date Analyzed: 8/19/2021

Matrix: WATER Instrument: Max

Blank ID: 210819AM-BLK Time Analyzed: 2138

APPL ID.	Client Sample No.	File ID.	Date Analyzed
210819AM-LCSD	Lab Control SpikeD	0819M24	8/19/2021 2042
210819AM-LCS	Lab Control Spike	0819M24	8/19/2021 2042
210819AM-BLK	Blank	0819M26	8/19/2021 2138
BA37425	ERH1578	0819M34	8/20/2021 0121
BA37427	ERH1579	0819M35	8/20/2021 0149
BA37428	ERH1580	0819M36	8/20/2021 0217
BA37430	ERH1581	0819M37	8/20/2021 0245
BA37431	ERH1582	0819M38	8/20/2021 0313

Comments: Batch: #GRO86-210819A

Method Blank
EPA 8260B GRO WATER

Blank Name/QCG: **210818W-37287 - 268524**
Batch ID: #GRO86-210818AM

APPL Inc.
908 North Temperance Avenu
Clovis, CA 93611

Sample Type	Analyte	Result	LOQ	LOD	DL	Units	Extraction Date	Analysis Date
BLANK	GASOLINE RANGE ORGANICS	18.0 U	20	18.0	8.6	ug/L	8/18/2021	8/18/2021
BLANK	SURROGATE: 4-BROMOFLUOR	109	85-114			%	8/18/2021	8/18/2021

Quant Method: MGAS0803.
Run #: 0818M07
Instrument: Max
Sequence: 210818
Initials: LPO

GC SC-Blank-REG MDLs-DOD
Printed: 10/9/2021 7:00:18 AM

Method Blank
EPA 8260B GRO WATER

APPL Inc.
908 North Temperance Avenu
Clovis, CA 93611

Blank Name/QCG: **210819W-37425 - 268758**
Batch ID: #GRO86-210819AM

Sample Type	Analyte	Result	LOQ	LOD	DL	Units	Extraction Date	Analysis Date
BLANK	GASOLINE RANGE ORGANICS	18.0 U	20	18.0	8.6	ug/L	8/19/2021	8/19/2021
BLANK	SURROGATE: 4-BROMOFLUOR	108	85-114			%	8/19/2021	8/19/2021

Quant Method: MSUR803W.
Run #: 0819M26
Instrument: Max
Sequence: 210819
Initials: DA

GC SC-Blank-REG MDLs-DOD
Printed: 10/9/2021 7:00:18 AM

EPA 8260B

Form 4

LCS Summary

Lab Name:	APPL, Inc.	SDG No:	97057
Case No:	97057	Date Analyzed:	8/18/2021
Matrix:	WATER	Instrument:	Max
LCS ID:	210818AM-LCS	Time Analyzed:	1510

APPL ID.	Client Sample No.	File ID.	Date Analyzed
210818AM-LCS	Lab Control Spike	0818M05	8/18/2021 1510
210818AM-LCSD	Lab Control SpikeD	0818M06	8/18/2021 1538
210818AM-BLK	Blank	0818M07	8/18/2021 1606
BA37421	ERH1575	0818M24	8/19/2021 0001
BA37422	ERH1576	0818M25	8/19/2021 0029
BA37424	ERH1577	0818M26	8/19/2021 0056

Comments: Batch: #GRO86-210818A

EPA 8260B

Form 4

LCS Summary

Lab Name:	APPL, Inc.	SDG No:	97057
Case No:	97057	Date Analyzed:	8/19/2021
Matrix:	WATER	Instrument:	Max
LCS ID:	210819AM-LCS	Time Analyzed:	2042

APPL ID.	Client Sample No.	File ID.	Date Analyzed
210819AM-LCSD	Lab Control SpikeD	0819M24	8/19/2021 2042
210819AM-LCS	Lab Control Spike	0819M24	8/19/2021 2042
210819AM-BLK	Blank	0819M26	8/19/2021 2138
BA37425	ERH1578	0819M34	8/20/2021 0121
BA37427	ERH1579	0819M35	8/20/2021 0149
BA37428	ERH1580	0819M36	8/20/2021 0217
BA37430	ERH1581	0819M37	8/20/2021 0245
BA37431	ERH1582	0819M38	8/20/2021 0313

Comments: Batch: #GRO86-210819A

Laboratory Control Spike Recoveries
EPA 8260B GRO WATER

APPL ID: **210818W-37287 LCS - 268524**
Batch ID: #GRO86-210818AM

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	295	297	98.3	99.0	78-122	0.68	20
SURROGATE: 4-BROMOFLUOROBENZE	25.0	27.4	27.6	110	110	85-114		

Comments:

Primary	SPK	DUP
Quant Method :	MGAS0803.M	MGAS0803.M
Extraction Date :	8/18/2021	8/18/2021
Analysis Date :	8/18/2021	8/18/2021
Instrument :	Max	Max
Run :	0818M05	0818M06
Initials :	LPO	

Laboratory Control Spike Recoveries
EPA 8260B GRO WATER

APPL ID: **210819W-37425 LCS - 268758**
Batch ID: #GRO86-210819AM

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	299	300	99.7	100	78-122	0.33	20
SURROGATE: 4-BROMOFLUOROBENZE	25.0	27.8	25.0	111	100	85-114		

Comments:

Primary	SPK	DUP
Quant Method :	MSUR803W.M	MSUR803W
Extraction Date :	8/19/2021	8/19/2021
Analysis Date :	8/19/2021	8/19/2021
Instrument :	Max	Max
Run :	0819M24	0819M24
Initials :	DA	

Form 5
Tune Summary

Lab Name: APPL Inc.
Case No:
Matrix: Water
ID: 0803M21.D

SDG No:
Date Analyzed: 8/3/2021
Instrument: Max
Time Analyzed: 17:26

	Client Sample No.	APPL ID.	File ID.	Date Analyzed
1		0.3ug/L VOC STD 8/3/	0803M22.D	8/3/2021 17:54
2		0.5ug/L VOC STD 8/3/	0803M23.D	8/3/2021 18:22
3		1ug/L VOC STD 8/3/21	0803M24.D	8/3/2021 18:50
4		2ug/L VOC STD 8/3/21	0803M25.D	8/3/2021 19:18
5		5ug/L VOC STD 8/3/21	0803M26.D	8/3/2021 19:46
6		10ug/L VOC STD 8/3/2	0803M27.D	8/3/2021 20:13
7		20ug/L VOC STD 8/3/2	0803M28.D	8/3/2021 20:41
8		40ug/L VOC STD 8/3/2	0803M29.D	8/3/2021 21:09
9		100ug/L VOC STD 8/3/	0803M30.D	8/3/2021 21:37
10		(SS) 10ug/L VOC STD	0803M32.D	8/3/2021 22:33
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				

m/e		
50	15 - 40% of mass 95	18.4
75	30 - 60.04% of mass 95	57.1
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	138.4
175	5 - 9.02% of mass 174	7.4
176	94.9 - 101% of mass 174	97.5
177	5 - 9% of mass 176	6.1

Form 5
Tune Summary

Lab Name: APPL Inc.
Case No: 97057
Matrix: Water
ID:

SDG No: 97057
Date Analyzed: 8/18/2021
Instrument: Max
Time Analyzed: 13:19

	Client Sample No.	APPL ID.	File ID.	Date Analyzed
1		210818A CCV 10ug/L	0818M02.D	8/18/2021 13:46
2	Lab Control Spike	210818A LCS 10ug/L	0818M03.D	8/18/2021 14:14
3	Lab Control SpikeD	210818A LCSD 10ug/L	0818M04.D	8/18/2021 14:42
4	Blank	210818A BLK	0818M07.D	8/18/2021 16:06
5	ERH1575	BA37421W01	0818M24.D	8/19/2021 0:01
6	ERH1576	BA37422W01	0818M25.D	8/19/2021 0:29
7	ERH1577	BA37424W01	0818M26.D	8/19/2021 0:56
8				
9				
10				
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12				
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18				
19				
20				
21				
22				

m/e		
50	15.0 - 40.0% of mass 95	19.5
75	30.0 - 60.0% of mas 95	50.4
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.2
173	Less than 2.0% of mass 174	0.0
174	50.0 - 100.0% of mass 95	126.6
175	5.0 - 9.0% of mass 174	7.2
176	95.0 - 101.0% of mass 174	97.5
177	5.0 - 9.0% 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): 0818M02.D Date Analyzed: 08/18/21

Instrument ID: Max Time Analyzed: 13:46

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	28935	6.31	24450	9.77	15912	12.33
	UPPER LIMIT	57870	6.48	48900	9.94	31824	12.50
	LOWER LIMIT	14468	6.14	12225	9.60	7956	12.16
	SAMPLE NO.						
01	210818A LCS 10ug/L	28410	6.30	24496	9.76	15566	12.33
02	210818A LCSD 10ug/L	28711	6.30	24413	9.76	15608	12.32
03	210818A BLK	28390	6.31	24618	9.77	14937	12.33
04	BA37421W01	28360	6.30	24071	9.76	15358	12.33
05	BA37422W01	28156	6.30	24432	9.76	15428	12.32
06	BA37424W01	27212	6.30	23770	9.76	14714	12.32
07							
08							
09							
10							
11							
12							
13							
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15							
16							
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18							
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21							
22							

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

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

ORGANICS

Calibration Data

TPH Extractables
DOC0823

Form 6
Initial Calibration

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

			823003.D	823004.D	823005.D	823006.D	823007.D	823008.D	823009.D								
		Compound	1	2	3	4	5	6	7				Avg	%RSD	Type	r^2	Q
1	HATML	Diesel (C10-C24)	5178390	3314799	2393411	2117814	2081239		2147290				2872157	43	HATM	1.000	
2	HBTM	Motor Oil (C24-C40)		2341319	1757653	1666238	1620332	1805322	1657277				1808023	15	HBTM		
3	SA	Ortho-Terphenyl(S)	3565944	2794027	2683036	2584173	2476235	2582536	2582862				2752688	14	SA		
4	SA	Octacosane(S)	2615496	2071028	2036167	1983348	1937095	2168069	2046820				2122575	11	SA		
5																	
6																	
7																	
8																	
9																	
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34																	
35																	

2.336817

Quantitation Report (Not Reviewed)

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

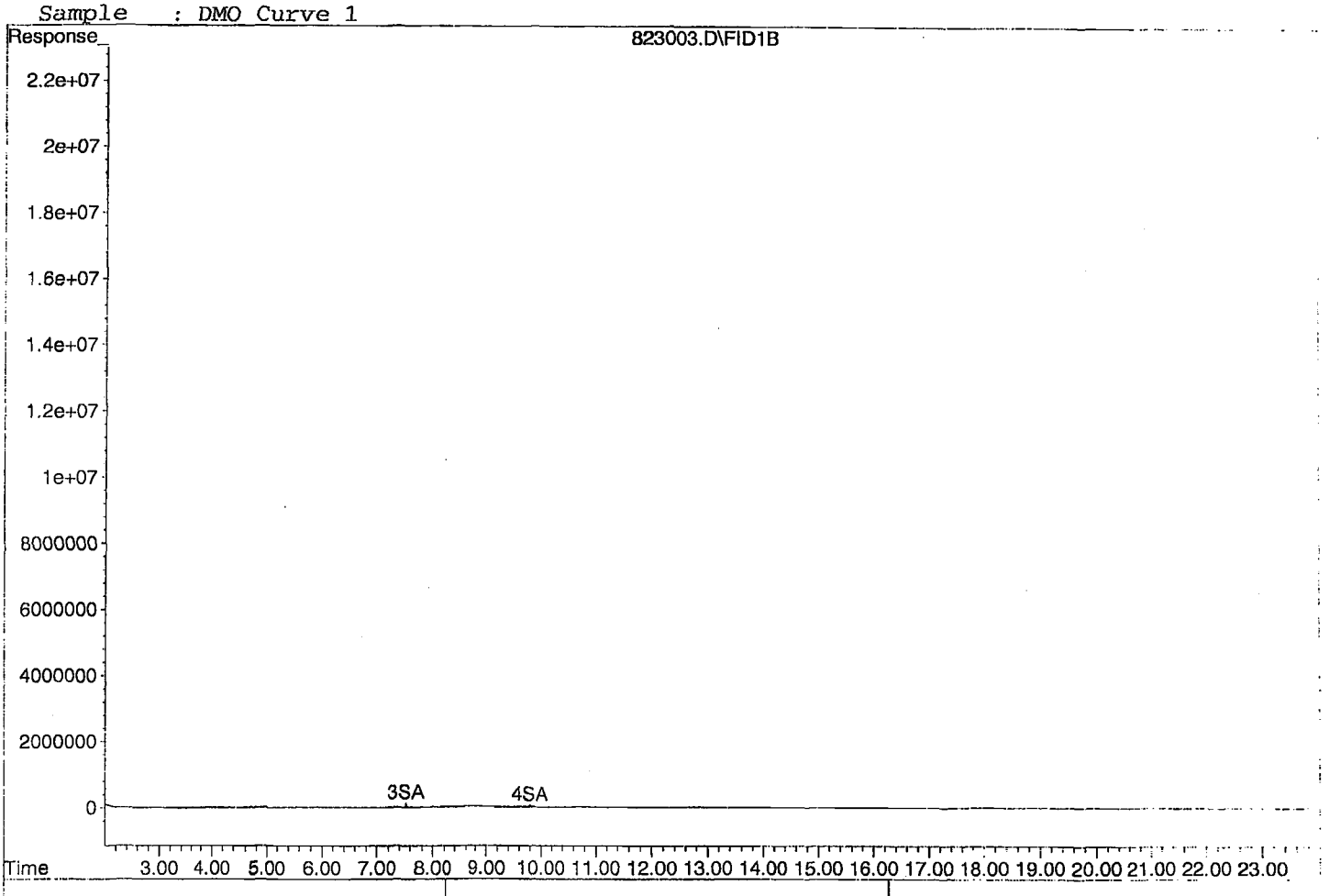
Method : G:\APOLLO\DATA\210823\DOC0823.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Tue Aug 24 09:02:26 2021
Response via : Multiple Level Calibration

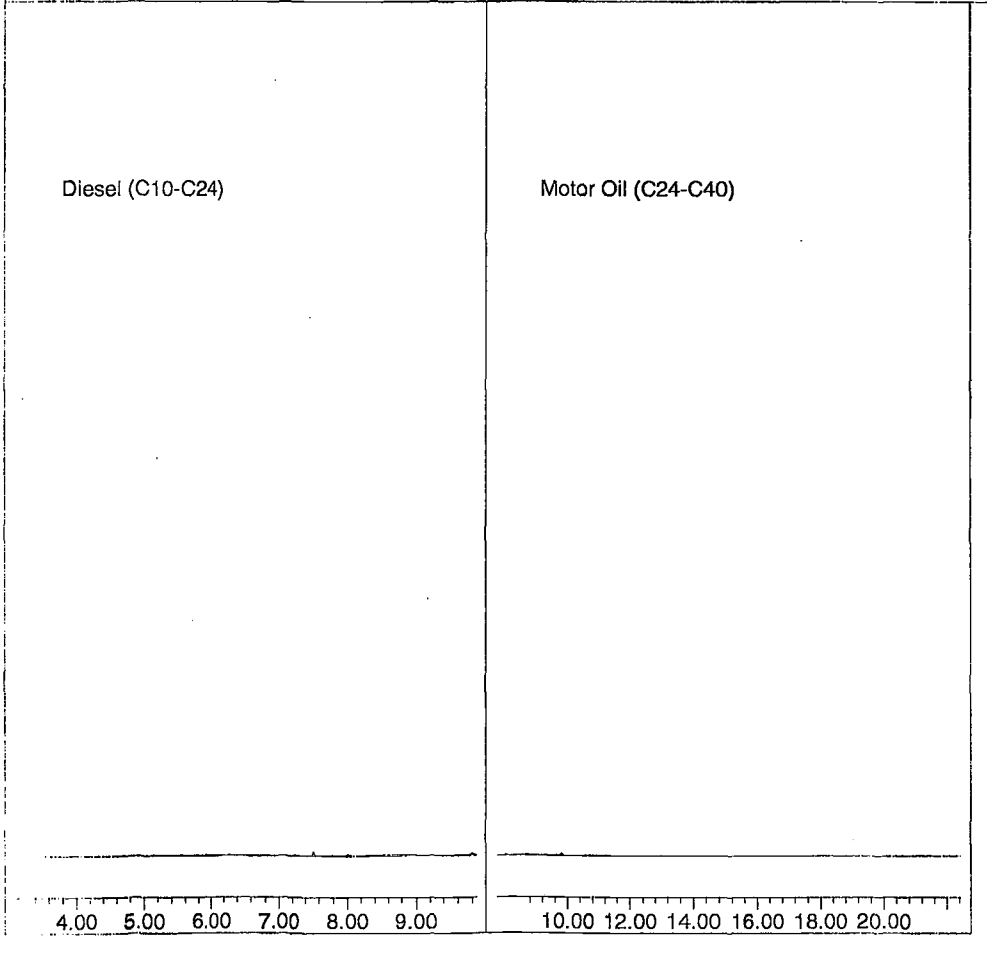
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

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

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

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





Quantitation Report (Not Reviewed)

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

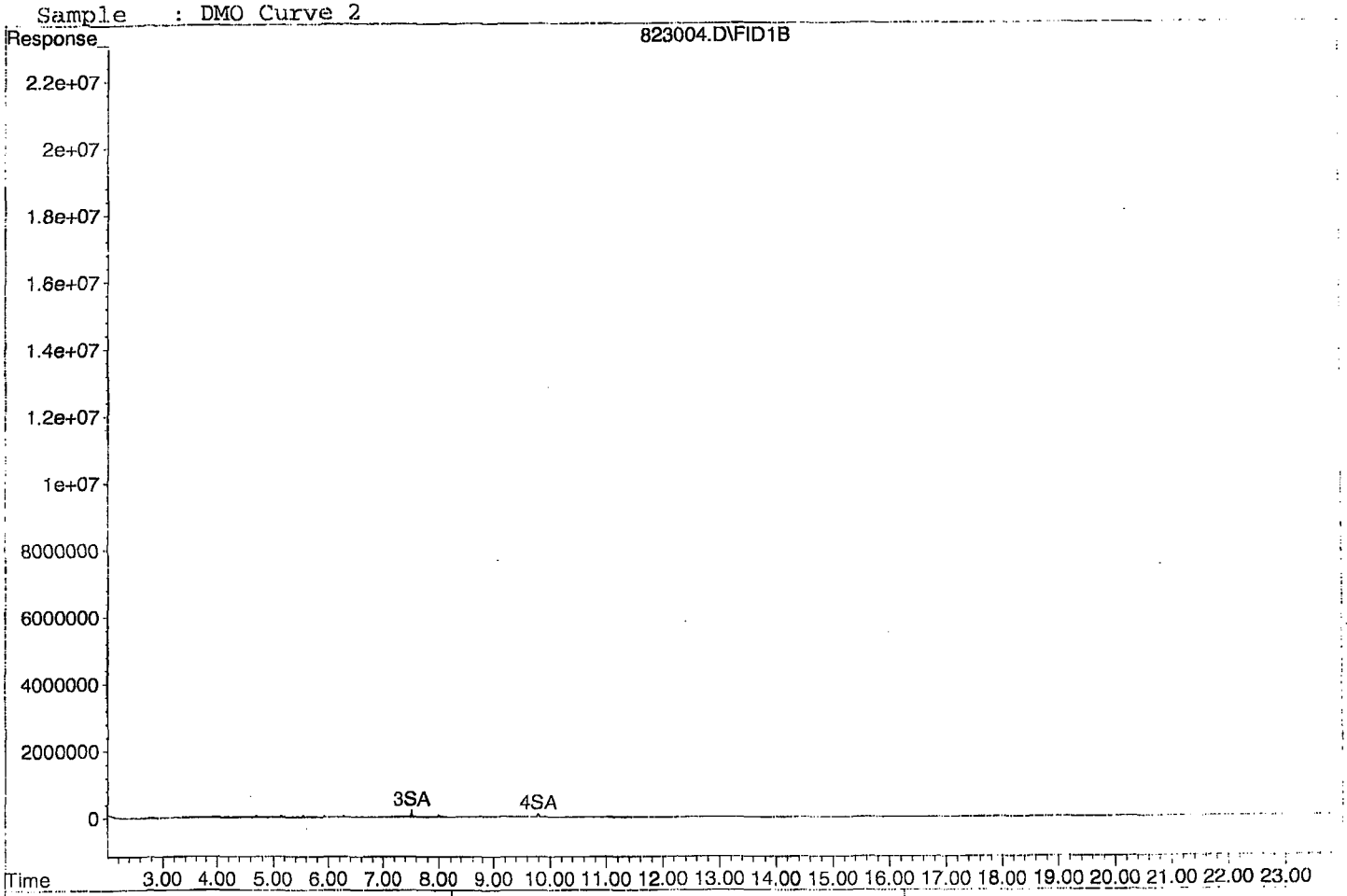
Method : G:\APOLLO\DATA\210823\DOC0823.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Tue Aug 24 09:02:26 2021
Response via : Multiple Level Calibration

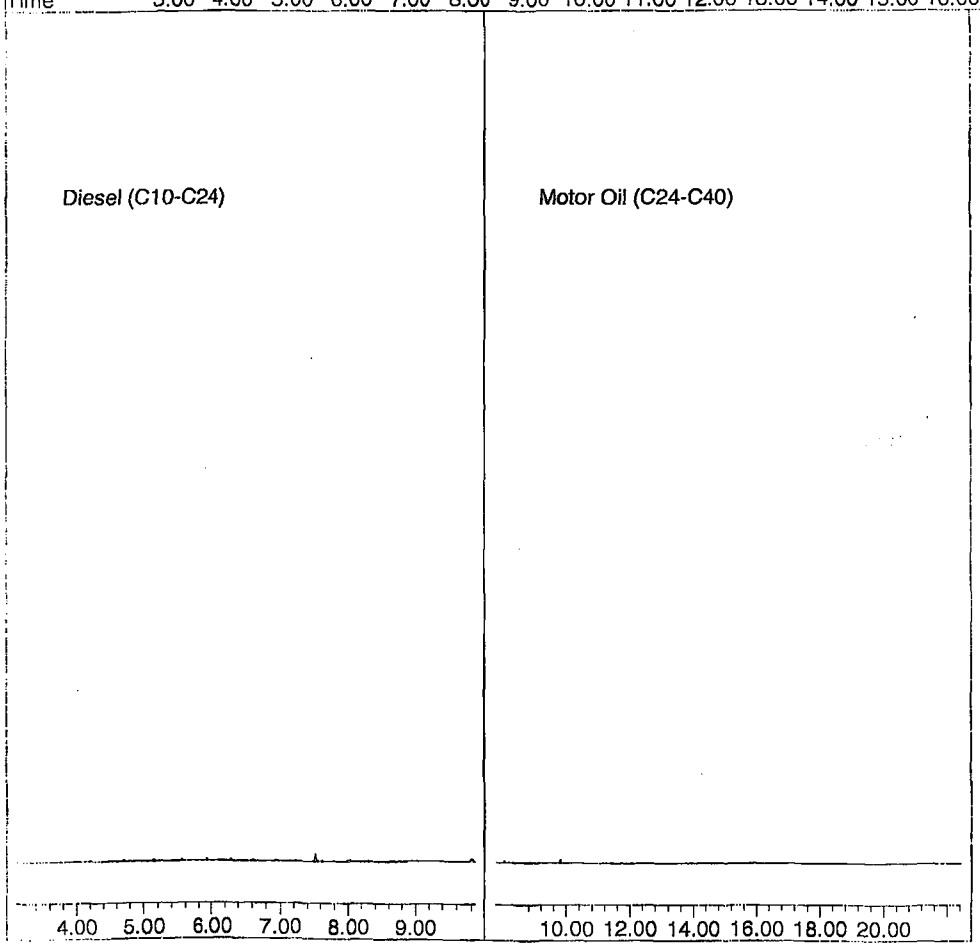
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

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

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

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





Quantitation Report (Not Reviewed)

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

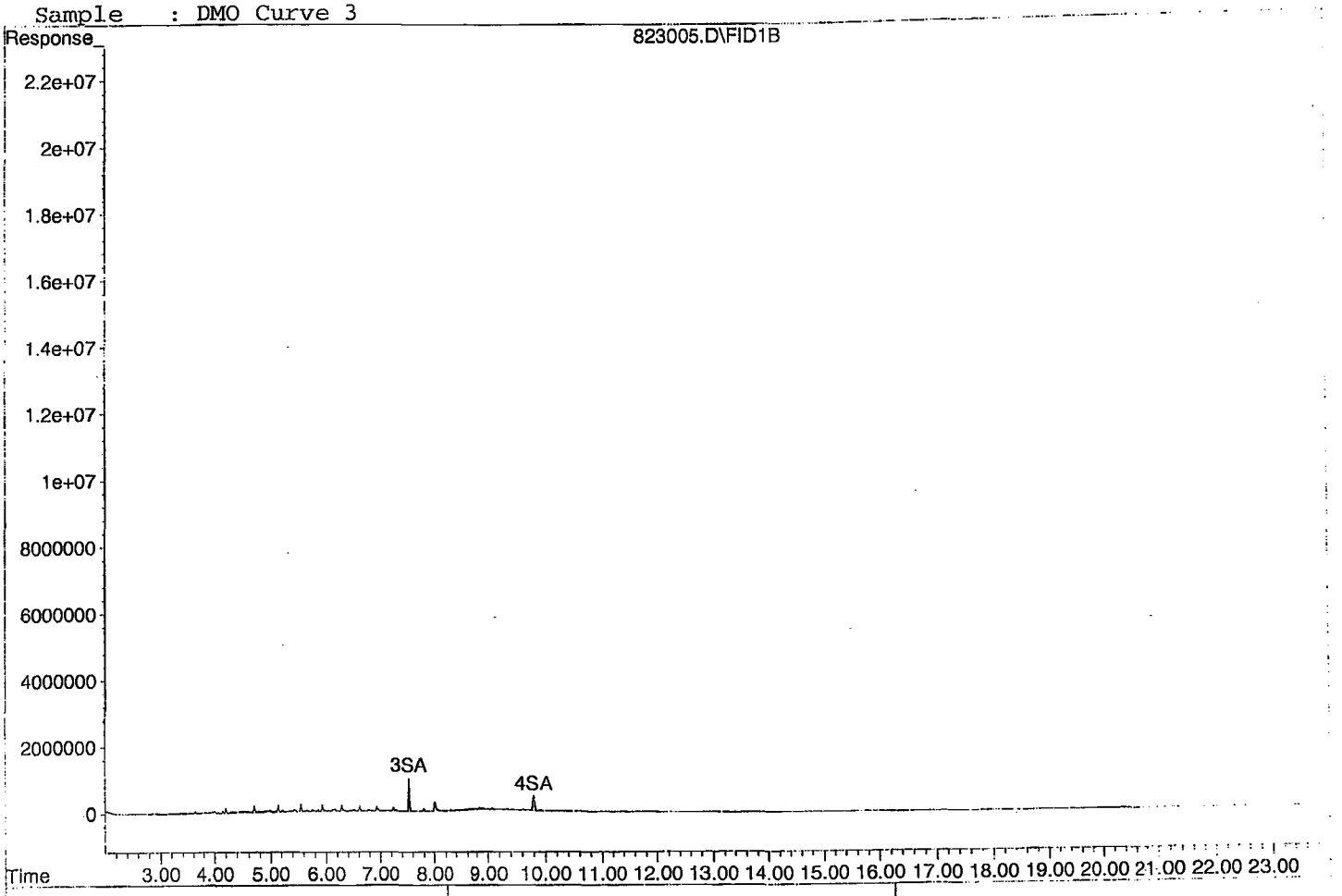
Method : G:\APOLLO\DATA\210823\DOC0823.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Tue Aug 24 09:02:26 2021
Response via : Multiple Level Calibration

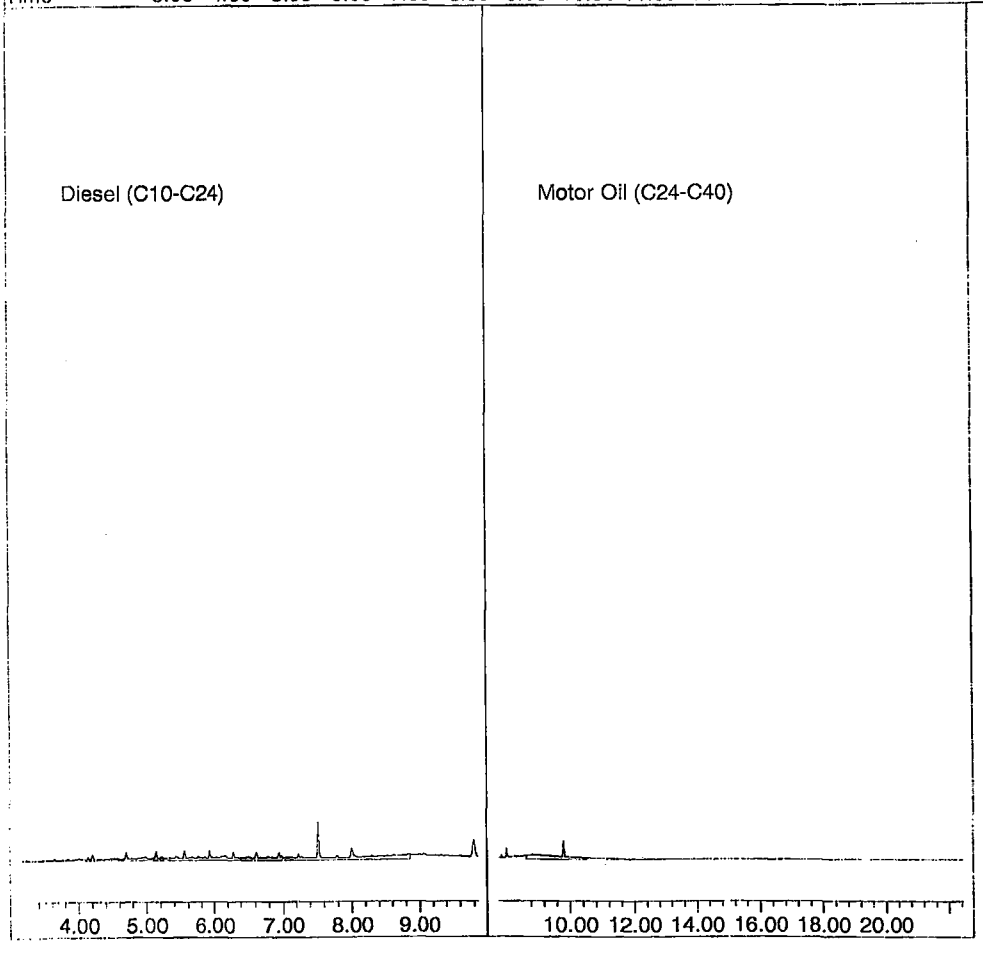
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

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

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

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





Quantitation Report (Not Reviewed)

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

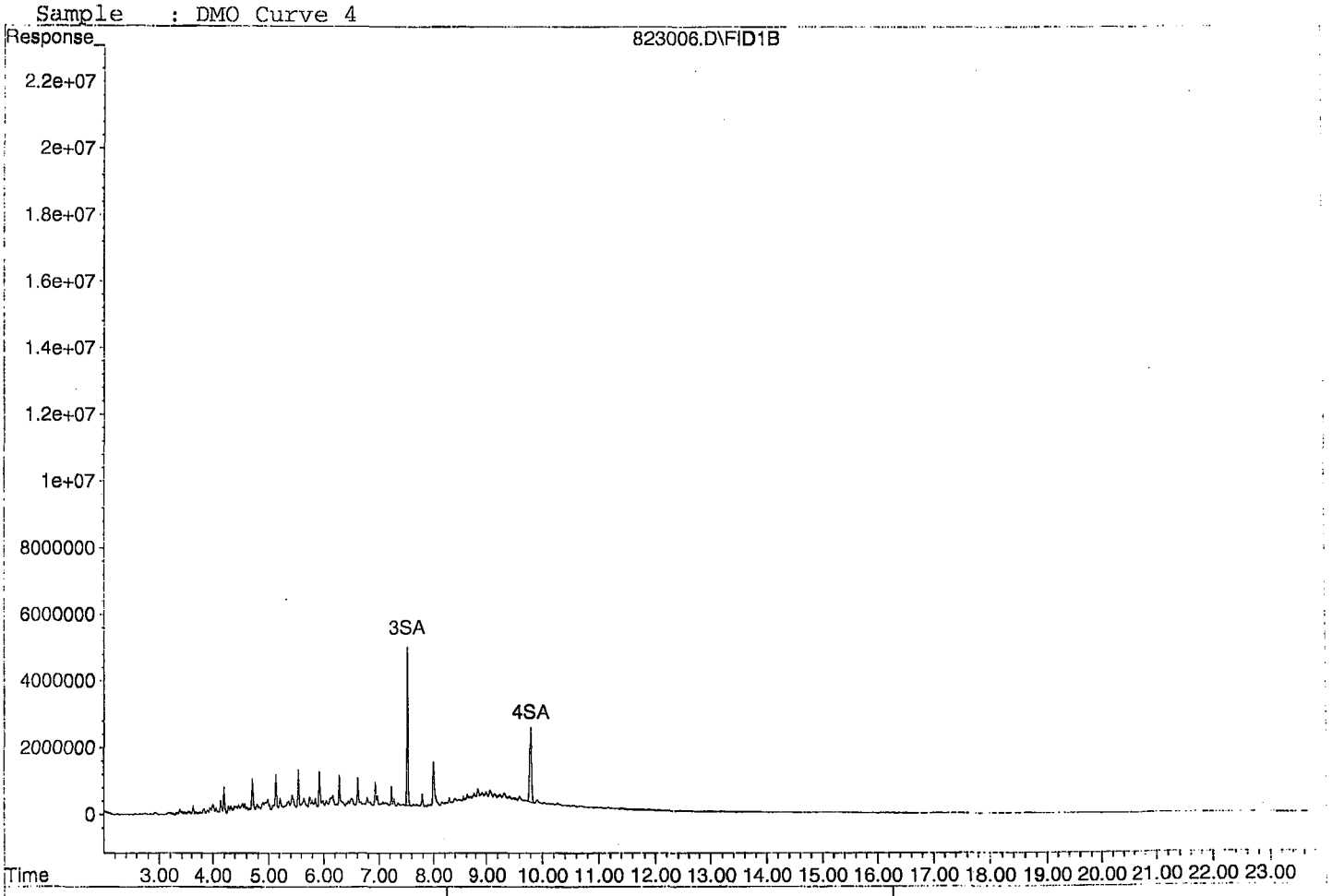
Method : G:\APOLLO\DATA\210823\DOC0823.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Tue Aug 24 09:02:26 2021
Response via : Multiple Level Calibration

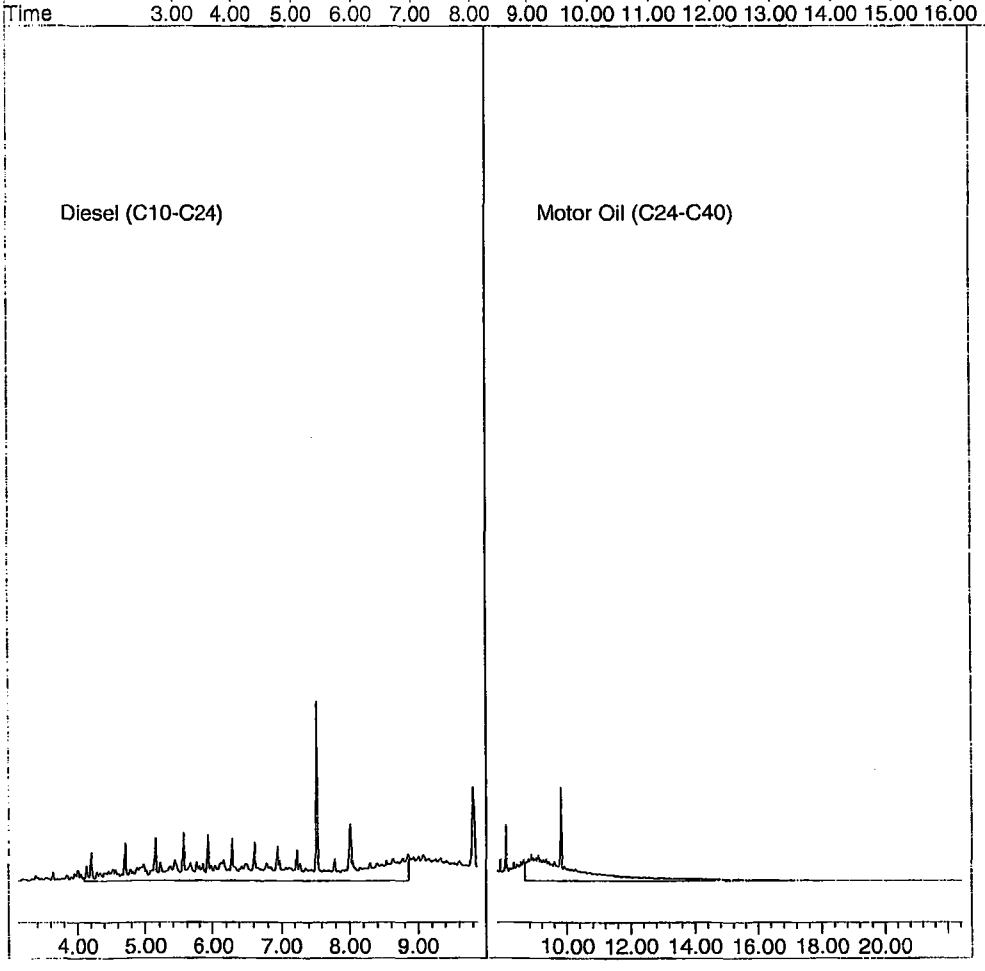
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

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

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

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





Quantitation Report (Not Reviewed)

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

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

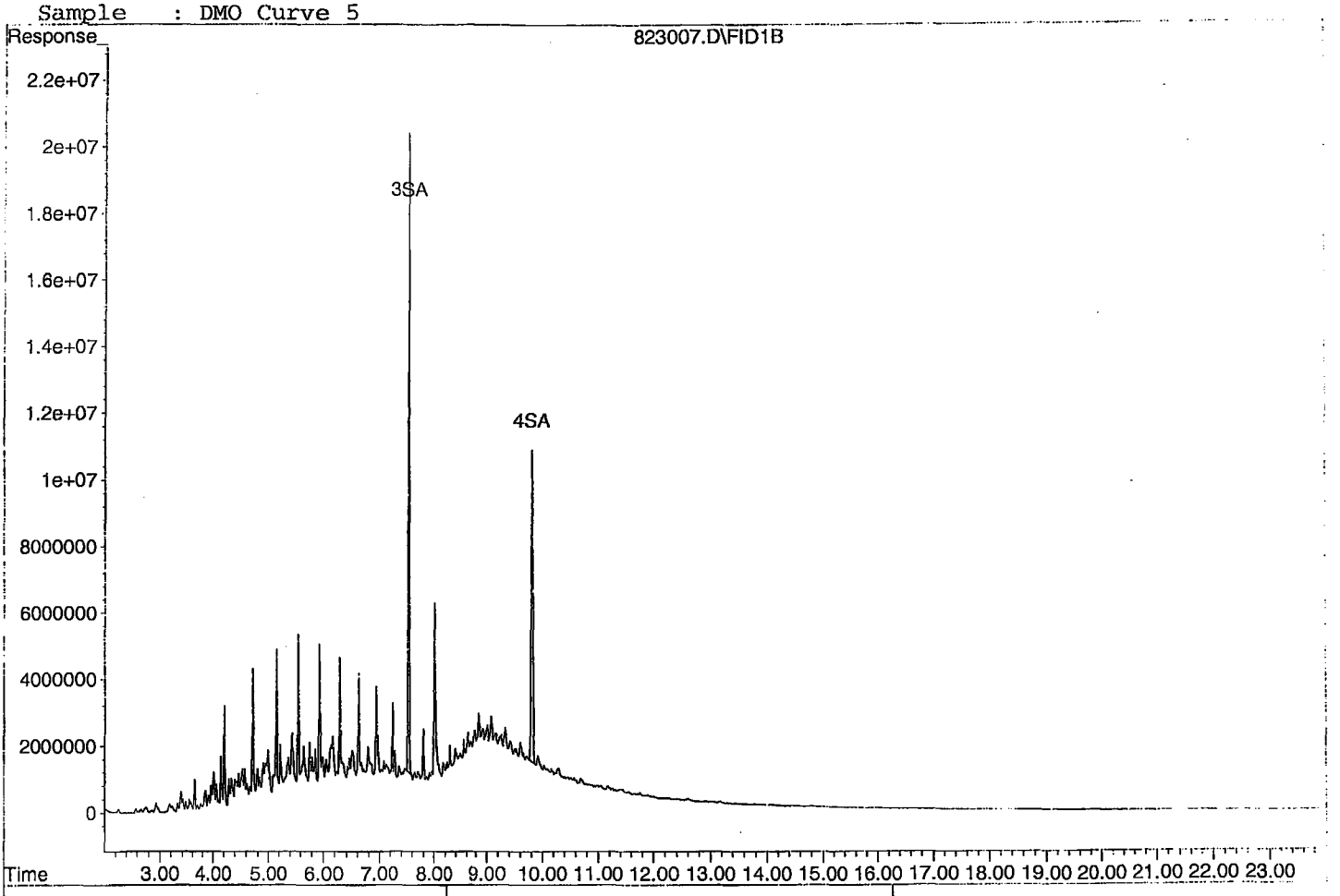
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

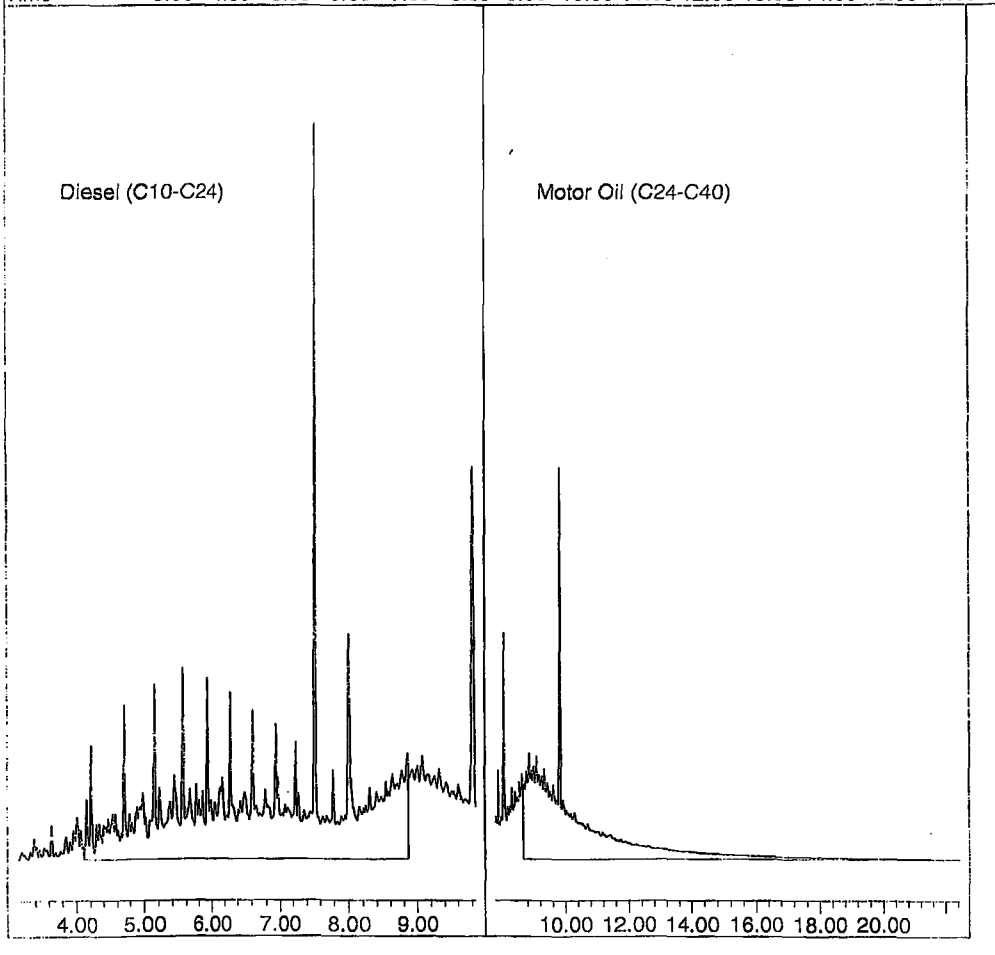
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.52	247623480	44.978 ppb
Surrogate Spike 30.000	Recovery =		149.93%
4) SA Octacosane(S)	9.81	193709477	45.631 ppb
Surrogate Spike 30.000	Recovery =		152.10%
Target Compounds			
1) HATM Diesel (C10-C24)	6.48	4162477075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

Target Compounds

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

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





Quantitation Report (Not Reviewed)

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

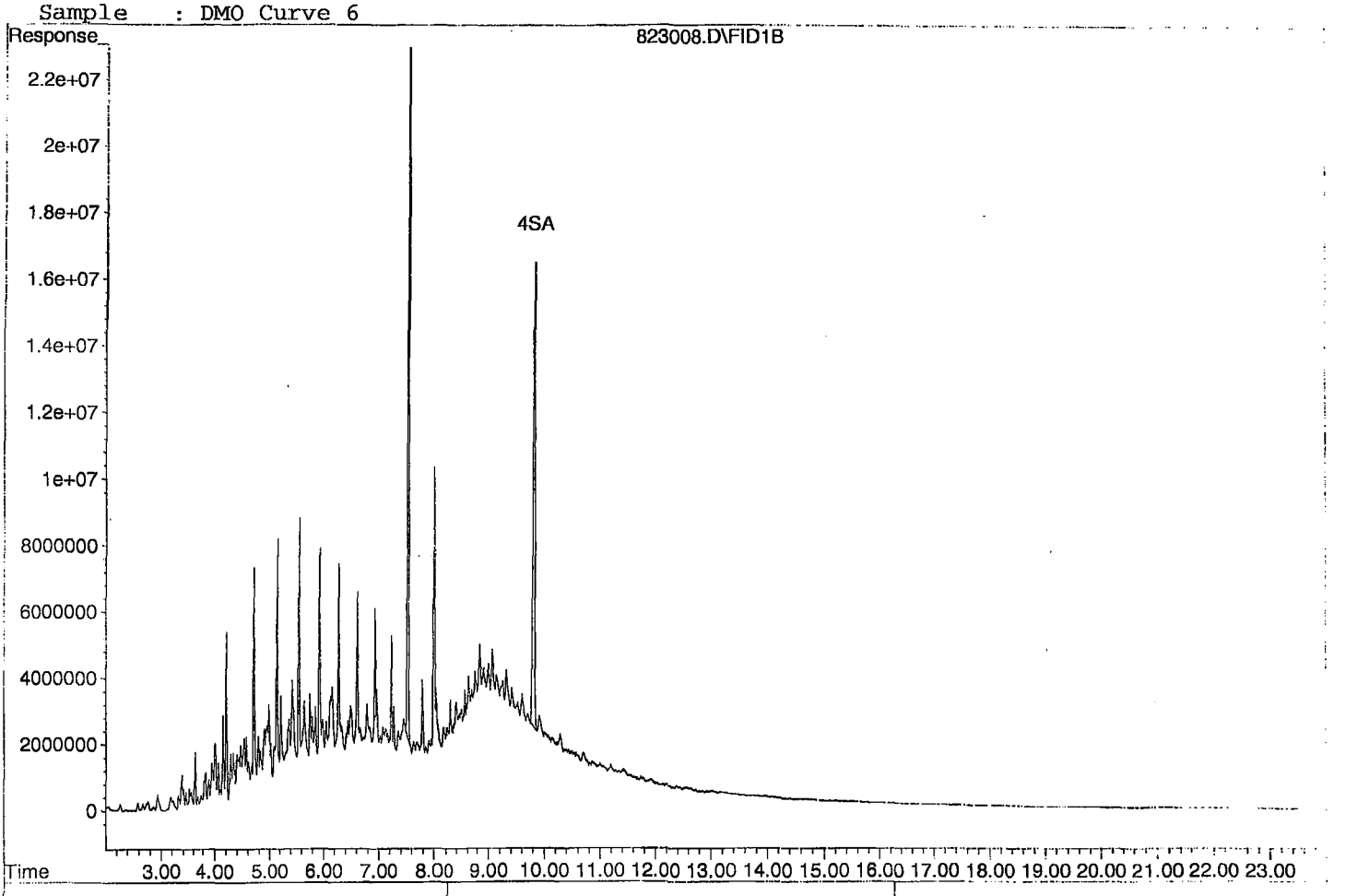
Method : G:\APOLLO\DATA\210823\DOC0823.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Tue Aug 24 09:02:26 2021
Response via : Multiple Level Calibration

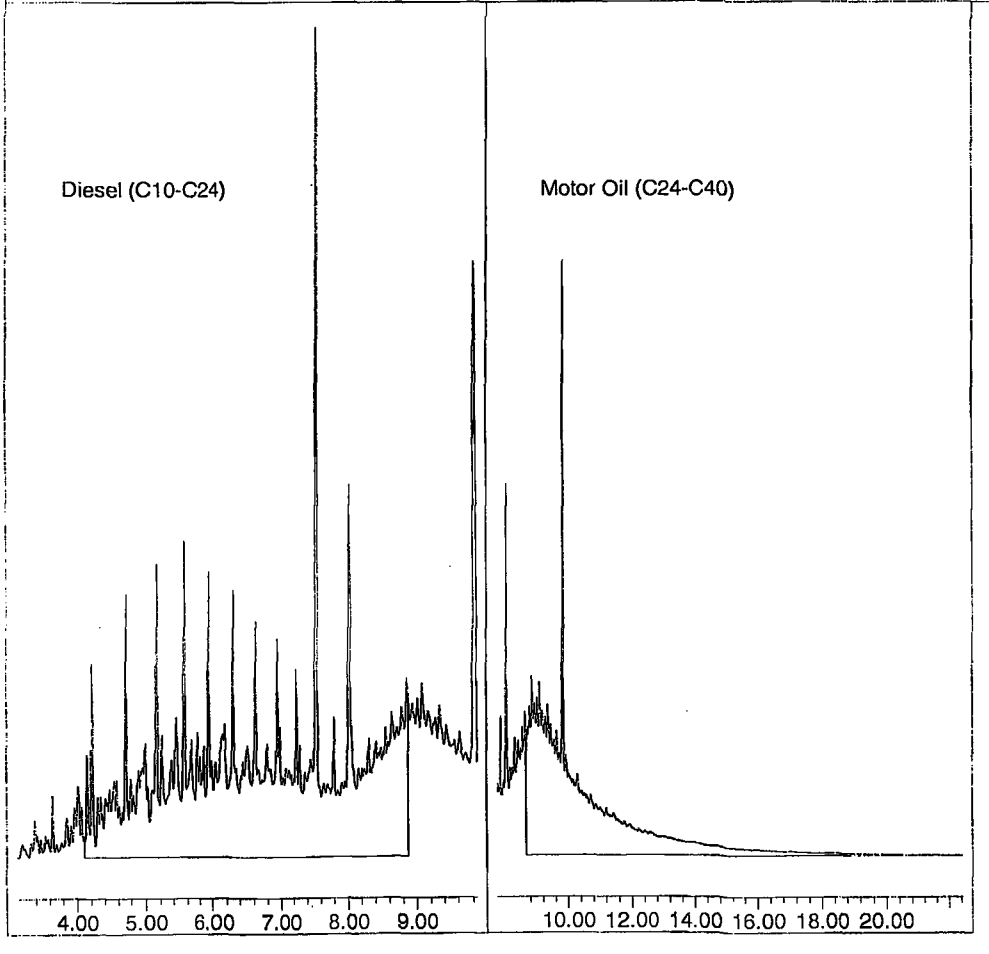
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

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

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

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





Quantitation Report (Not Reviewed)

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

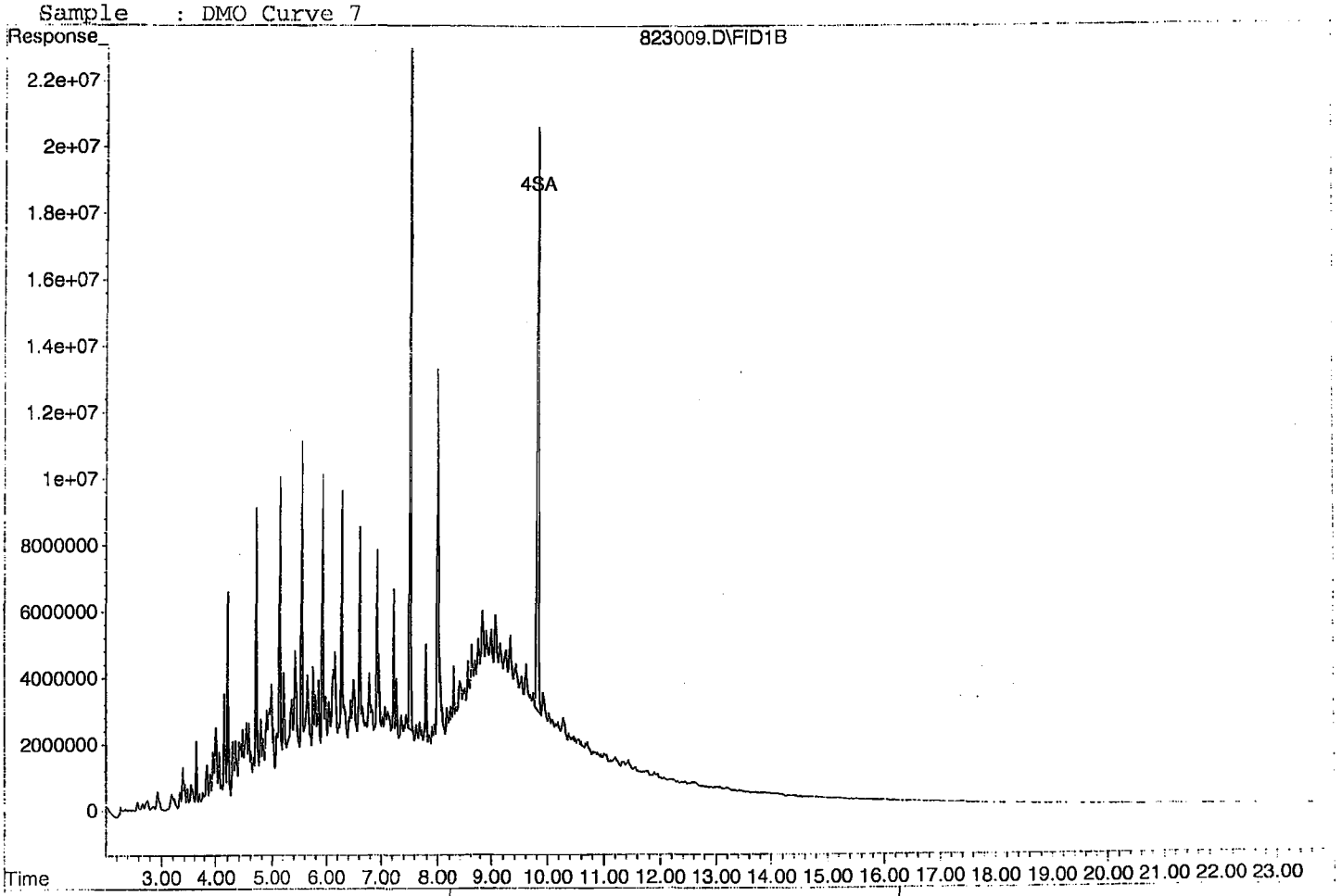
Method : G:\APOLLO\DATA\210823\DOC0823.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Tue Aug 24 09:02:26 2021
Response via : Multiple Level Calibration

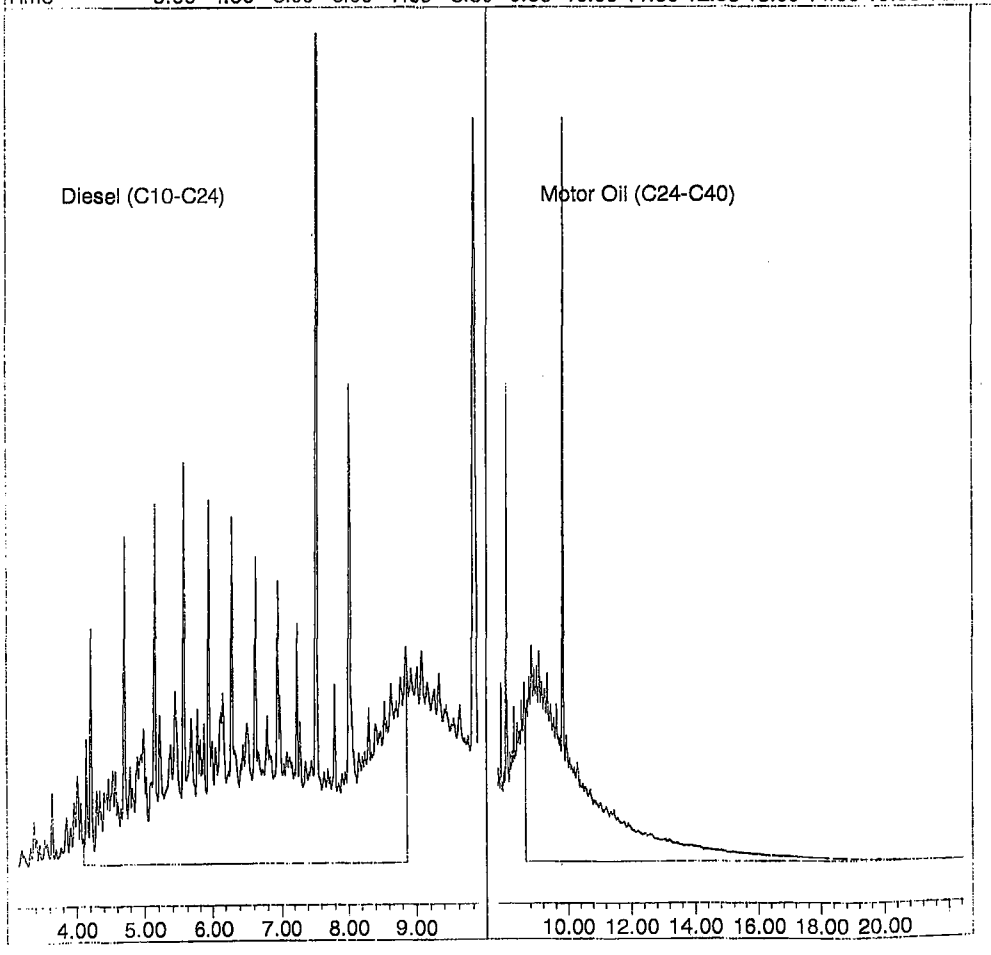
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

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

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

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





TPH Extractables
DOC0823

Form 7

Second Source Calibration

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

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

		Compound	MEAN	CCRF	%D		%Drift
1	HATM	Diesel (C10-C24)	2872160	2402860	16	HATML	11
2	HBTM	Motor Oil (C24-C40)	1808020	1847660	2.2	HBTM	
3							
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		Average			9.1		

Quantitation Report (Not Reviewed)

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

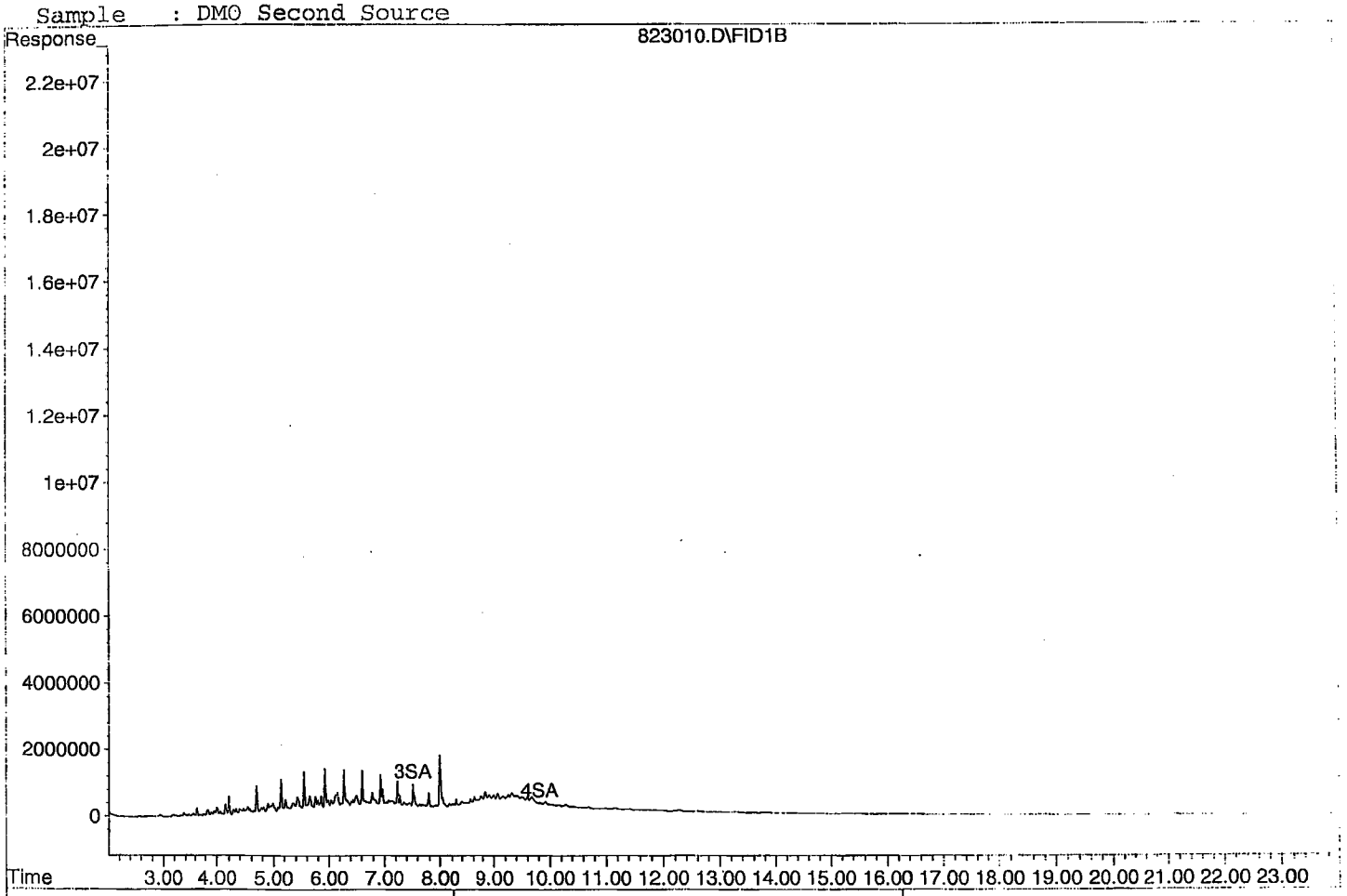
Method : G:\APOLLO\DATA\210823\DOC0823.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Tue Aug 24 09:02:26 2021
Response via : Multiple Level Calibration

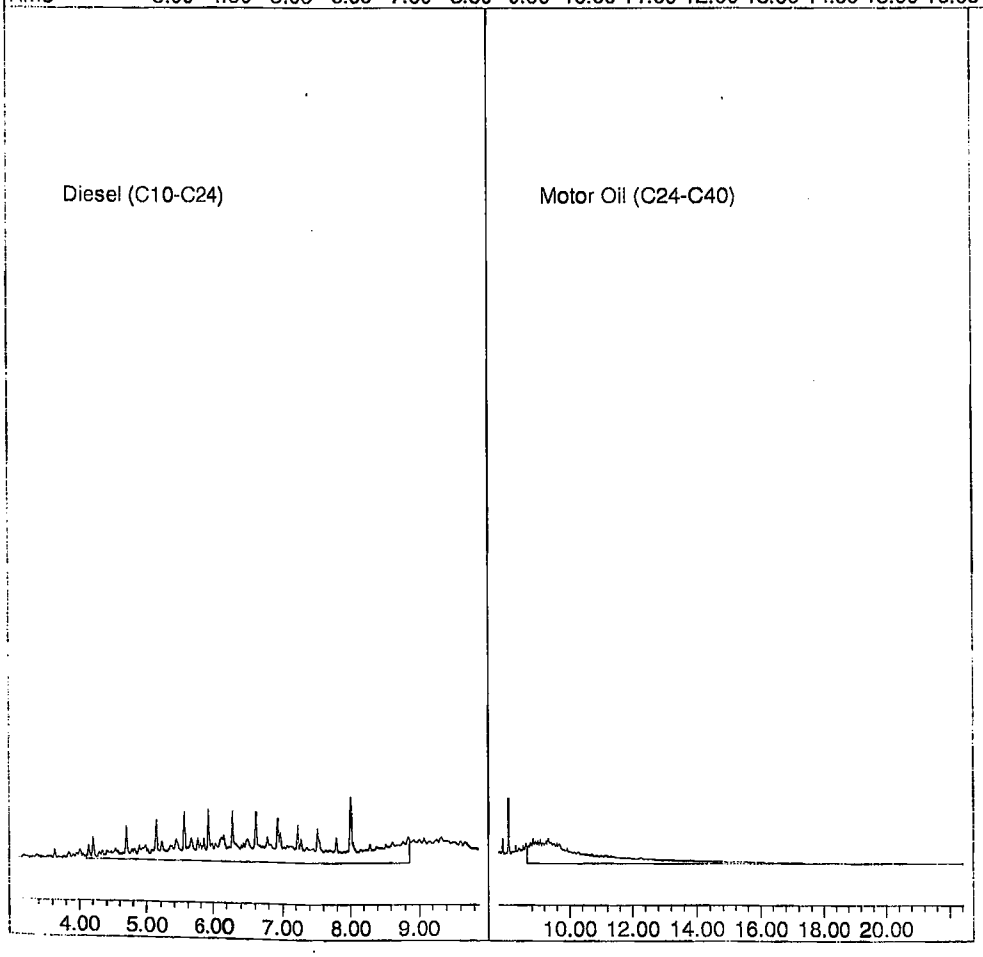
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

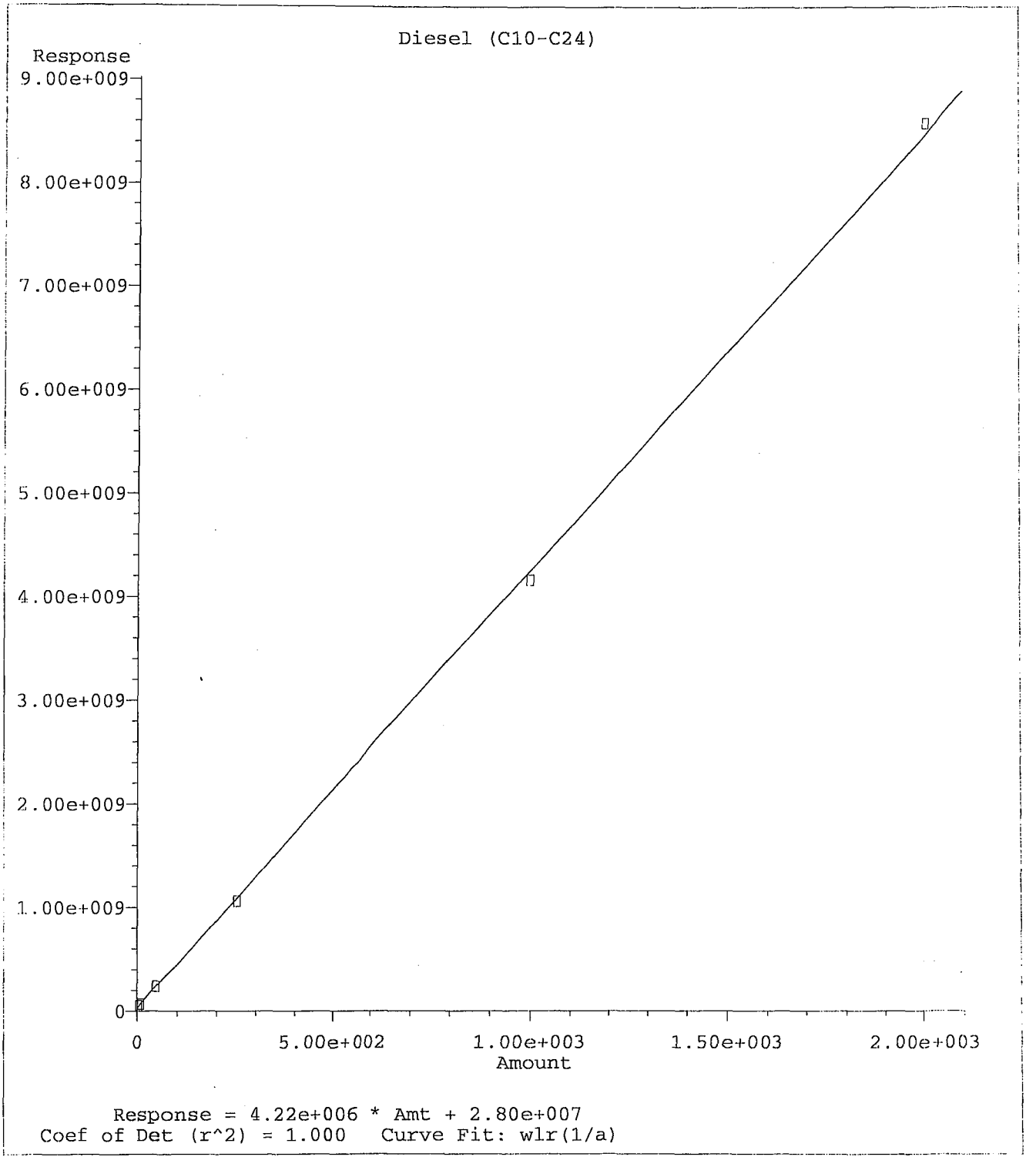
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.52	4634646	0.842 ppb
Surrogate Spike 30.000	Recovery	=	2.81%
4) SA Octacosane(S)	9.82	28821	0.007 ppb
Surrogate Spike 30.000	Recovery	=	0.02%
Target Compounds			
1) HATM Diesel (C10-C24)	6.48	1201427982	277.847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

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

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







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

TPH Extractables
DOC0823

Form 7
Continuing Calibration

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

SDG No:
Date Analyzed: 8/25/2021
Instrument: Apollo
Initial Cal. Date: 8/23/2021
Data File: 824048.D

		Compound	MEAN	CCRF	%D		%Drift
1	HATM	Diesel (C10-C24)	2872160	2178690	24	HATML	0.52
2	HBTM	Motor Oil (C24-C40)	1808560	1640900	9.3	HBTM	
3	SA	Ortho-Terphenyl(S)	2781050	2698200	3.0	SA	
4	SA	Octacosane(S)	2114990	2057890	2.7	SA	
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		Average			9.8		

Quantitation Report (QT Reviewed)

Data File : G:\APOLLO\DATA\210824\824048.D Vial: 48
Acq On : 8-25-21 13:24:22 Operator: KA
Sample : Diesel Motor Oil CCV 8/24/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Aug 30 14:56 2021 Quant Results File: DOC0823.RES

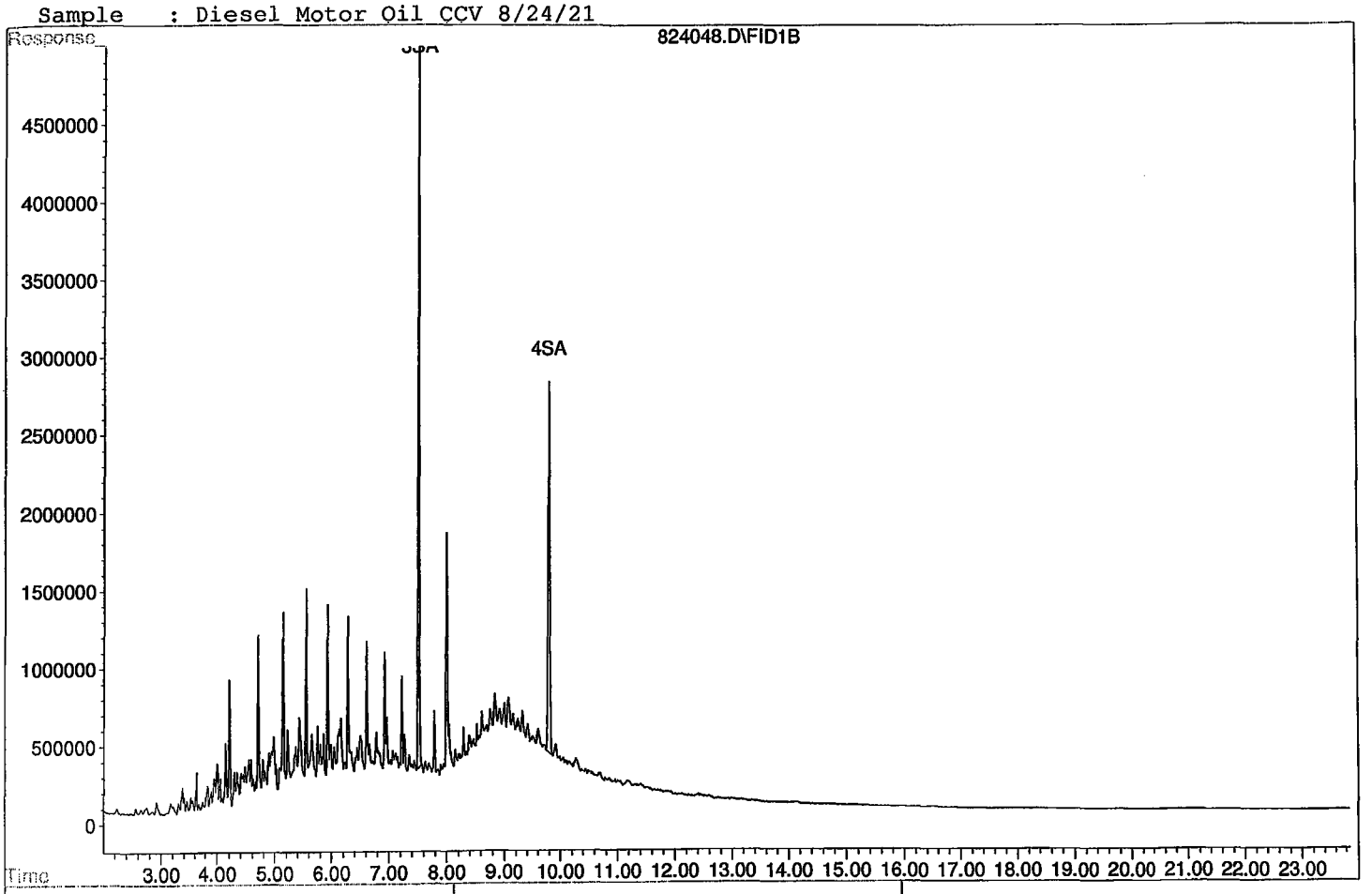
Method : G:\APOLLO\DATA\210823\DOC0823.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Sep 02 15:20:00 2021
Response via : Multiple Level Calibration

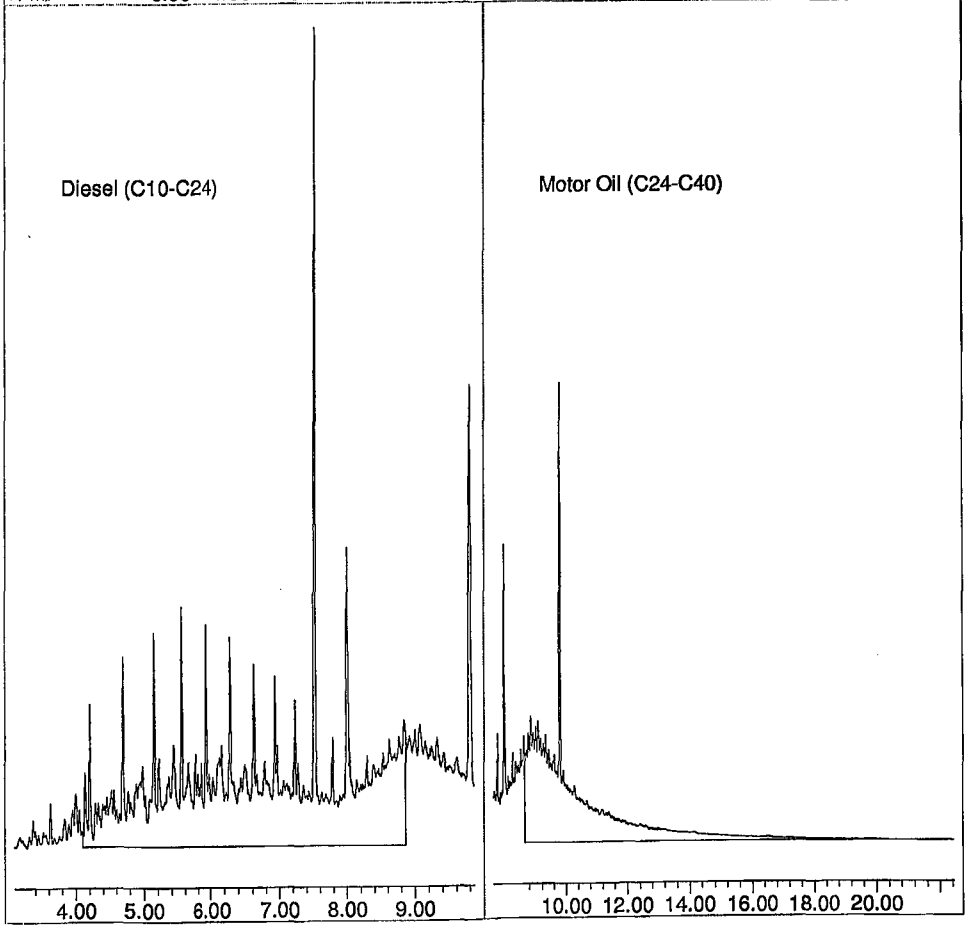
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.51	67454926	12.128 ppb
Surrogate Spike 30.000	Recovery =		40.43%
4) SA Octacosane(S)	9.79	51447134	12.162 ppb
Surrogate Spike 30.000	Recovery =		40.54%
Target Compounds			
1) HATM Diesel (C10-C24)	6.48	1089345903	251.307 ppb
2) HBTM Motor Oil (C24-C40)	15.05	820450173	226.824 ppb
Target Compounds			

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

Data File: G:\APOLLO\DATA\210824\824048.D
Sample : Diesel Motor Oil CCV 8/24/21





TPH Extractables
DOC0823

Form 7

Continuing Calibration

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

SDG No:
Date Analyzed: 8/25/2021
Instrument: Apollo
Initial Cal. Date: 8/23/2021
Data File: 824057.D

		Compound	MEAN	CCRF	%D		%Drift
1	HATM	Diesel (C10-C24)	2872160	2235650	22	HATML	3.2
2	HBTM	Motor Oil (C24-C40)	1808560	1899300	5.0	HBTM	
3	SA	Ortho-Terphenyl(S)	2781050	2775700	0.19	SA	
4	SA	Octacosane(S)	2114990	2111750	0.15	SA	
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39							
40							
		Average			6.8		

Quantitation Report (QT Reviewed)

Data File : G:\APOLLO\DATA\210824\824057.D Vial: 57
Acq On : 8-25-21 17:40:44 Operator: KA
Sample : Diesel Motor Oil CCV 8/24/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Aug 30 14:56 2021 Quant Results File: DOC0823.RES

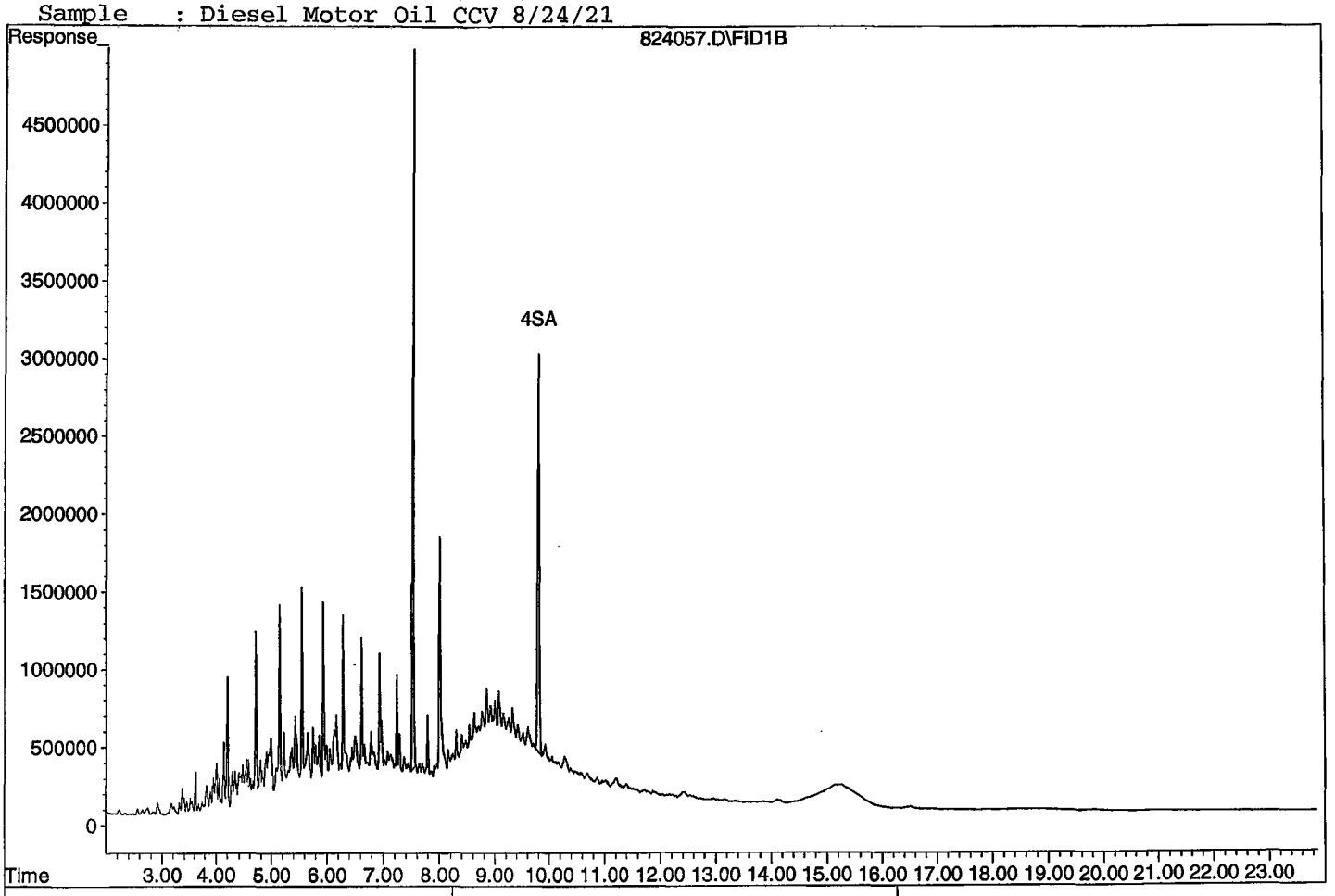
Method : G:\APOLLO\DATA\210823\DOC0823.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Sep 02 15:20:00 2021
Response via : Multiple Level Calibration

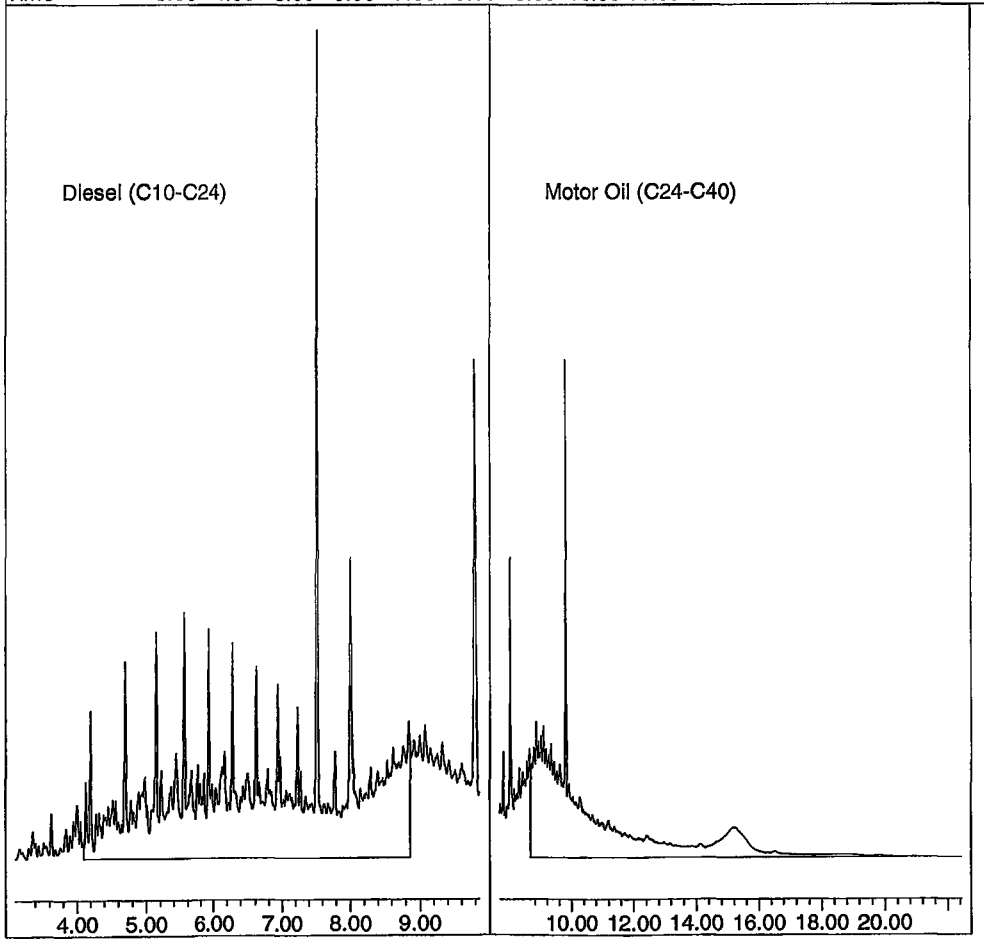
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.51	69392401	12.476 ppb
Surrogate Spike 30.000	Recovery =		41.59%
4) SA Octacosane(S)	9.79	52793841	12.481 ppb
Surrogate Spike 30.000	Recovery =		41.60%
Target Compounds			
1) HATM Diesel (C10-C24)	6.48	1117826595	258.051 ppb
2) HBTM Motor Oil (C24-C40)	15.05	949652121	262.543 ppb

Target Compounds

Data File: G:\APOLLO\DATA\210824\824057.D
Sample : Diesel Motor Oil CCV 8/24/21





ORGANICS

Raw Data

Quantitation Report (QT Reviewed)

Data File : G:\APOLLO\DATA\210824\824053.D Vial: 53
Acq On : 8-25-21 15:46:45 Operator: KA
Sample : BA37422W07 5/1000 Inst : Apollo
Misc : water Multiplr: 5.00
IntFile : events.e
Quant Time: Aug 30 14:56 2021 Quant Results File: DOC0823.RES

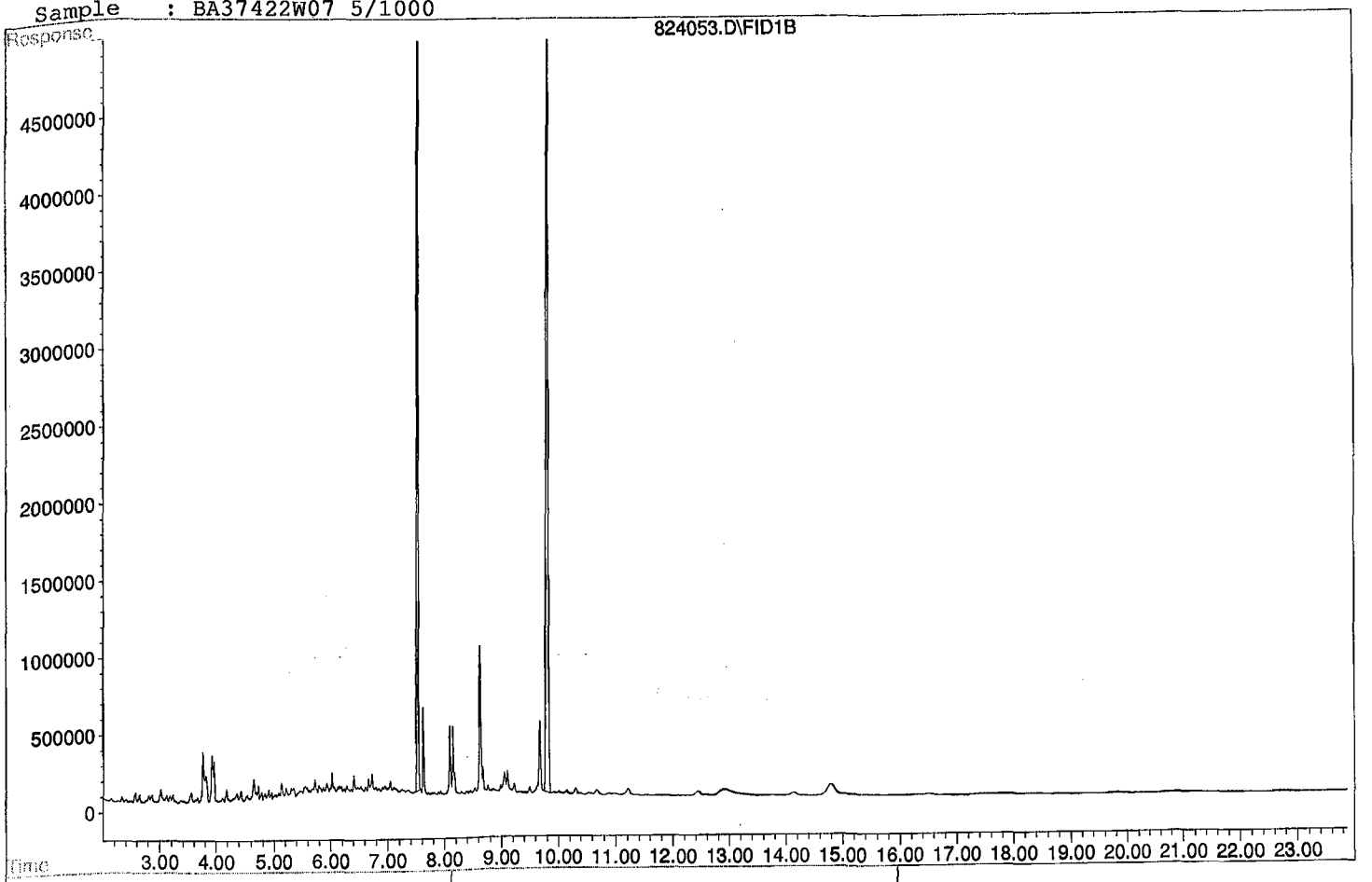
Method : G:\APOLLO\DATA\210823\DOC0823.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Sep 02 15:20:00 2021
Response via : Multiple Level Calibration

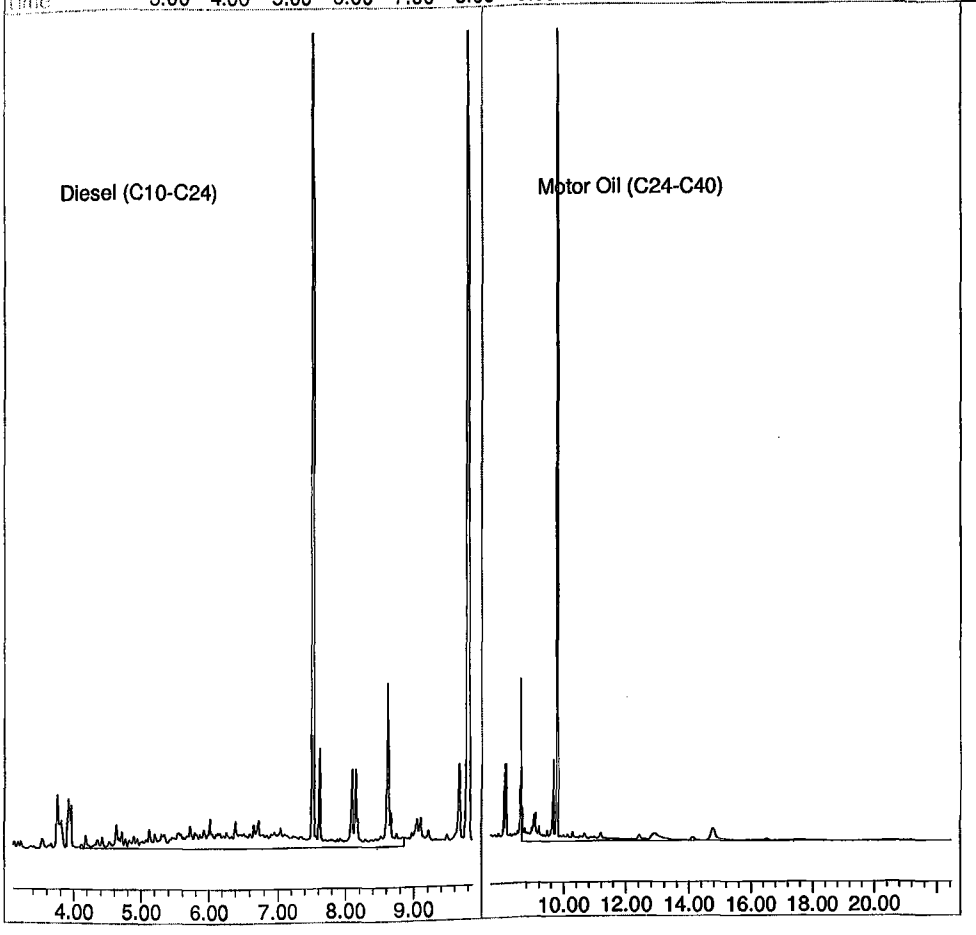
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.52	132651613	119.246 ppb
Surrogate Spike 150.000		Recovery =	79.50%
4) SA Octacosane(S)	9.79	125096164	147.868 ppb
Surrogate Spike 150.000		Recovery =	98.58%
Target Compounds			
1) HATM Diesel (C10-C24)	6.48	218720013	225.756 ppb
2) HBTM Motor Oil (C24-C40)	15.05	127867524	176.753 ppb
Target Compounds			

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

Data File: G:\APOLLO\DATA\210824\824053.D
Sample : BA37422W07 5/1000





Quantitation Report (QT Reviewed)

Data File : G:\APOLLO\DATA\210824\824054.D Vial: 54
Acq On : 8-25-21 16:15:14 Operator: KA
Sample : BA37425W08 5/1010 Inst : Apollo
Misc : water Multiplr: 4.95
IntFile : events.e
Quant Time: Aug 30 14:56 2021 Quant Results File: DOC0823.RES

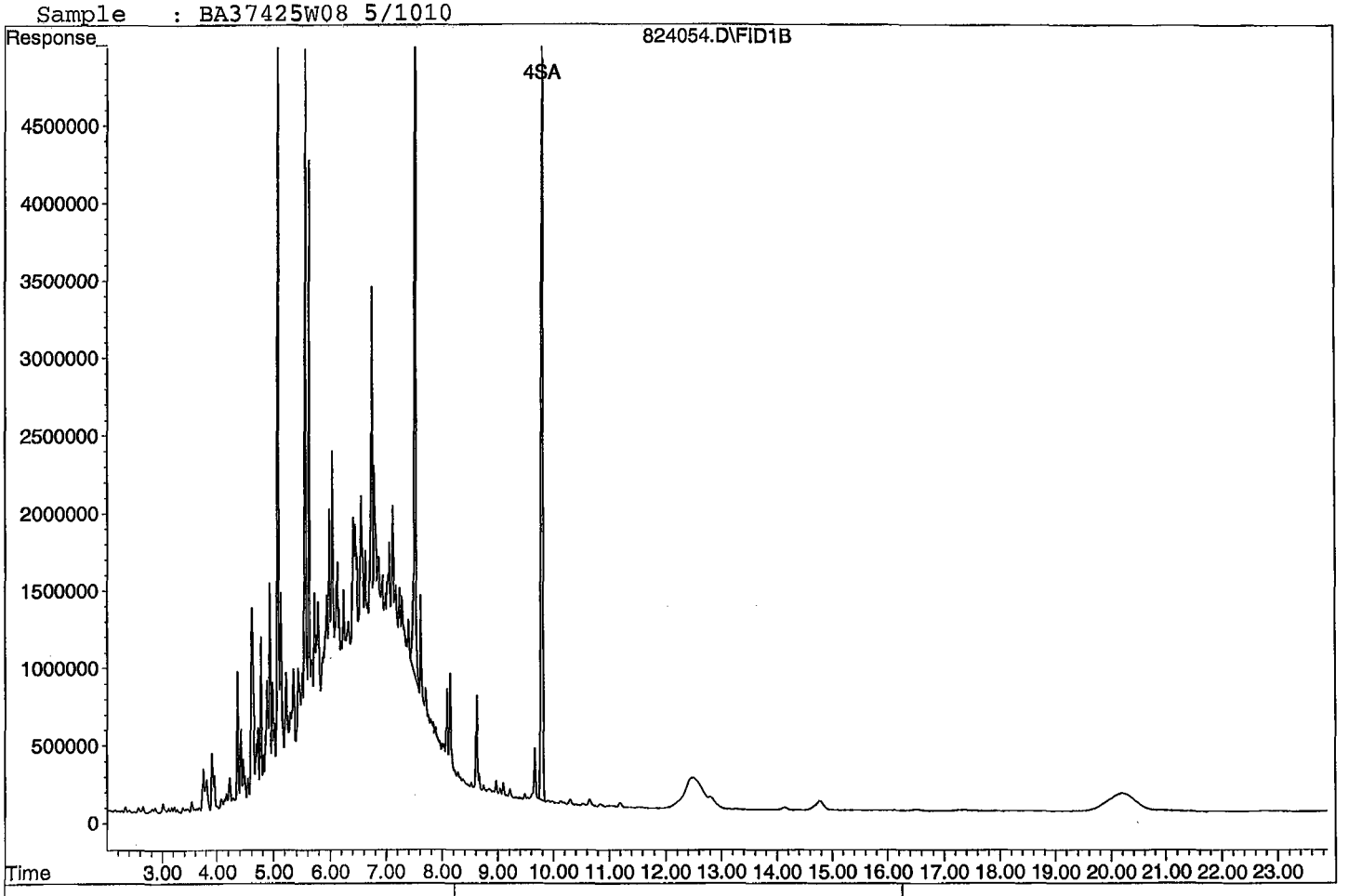
Method : G:\APOLLO\DATA\210823\DOC0823.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Sep 02 15:20:00 2021
Response via : Multiple Level Calibration

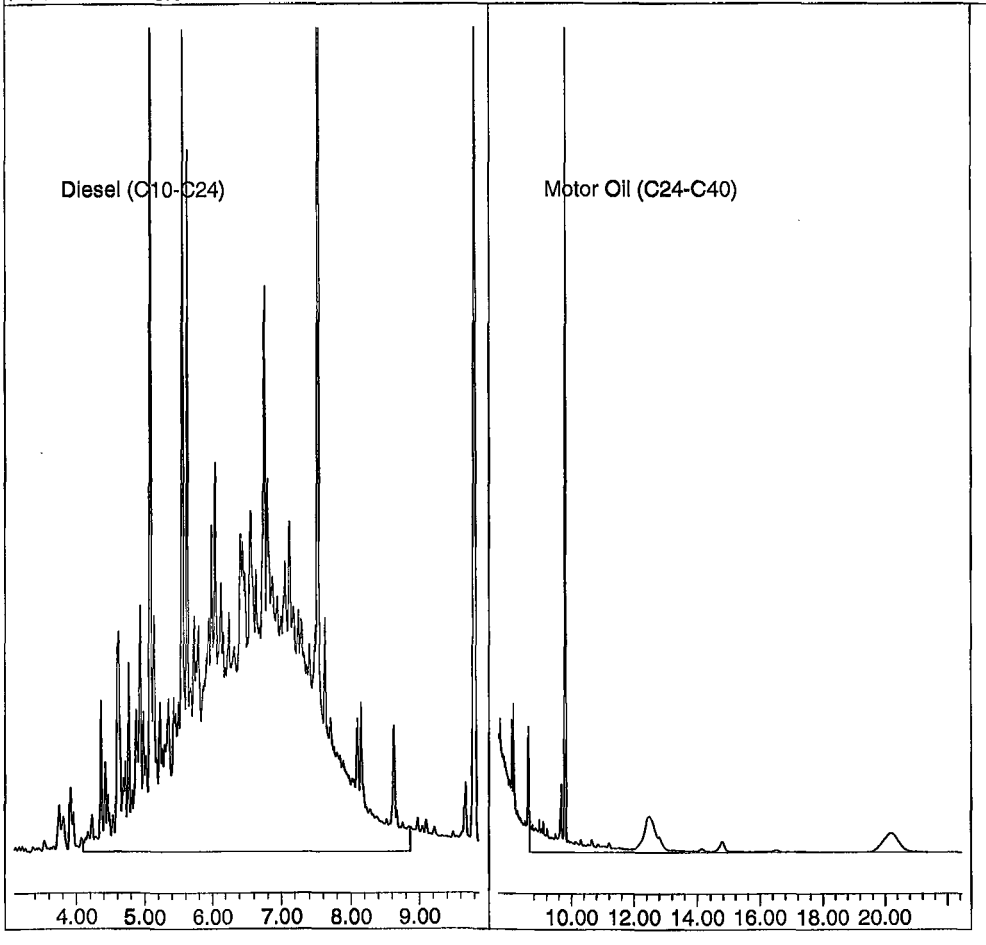
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.51	131339102	116.897 ppb
Surrogate Spike 148.515		Recovery =	78.71%
4) SA Octacosane(S)	9.80	113165620	132.442 ppb
Surrogate Spike 148.515		Recovery =	89.18%
Target Compounds			
1) HATM Diesel (C10-C24)	6.48	2514678703	2914.914 ppb
2) HBTM Motor Oil (C24-C40)	15.05	277671057	380.028 ppb
Target Compounds			

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

Data File: G:\APOLLO\DATA\210824\824054.D
Sample : BA37425W08 5/1010





Quantitation Report (QT Reviewed)

Data File : G:\APOLLO\DATA\210824\824055.D Vial: 55
Acq On : 8-25-21 16:43:43 Operator: KA
Sample : BA37428W08 5/1020 Inst : Apollo
Misc : water Multiplr: 4.90
IntFile : events.e
Quant Time: Aug 30 14:56 2021 Quant Results File: DOC0823.RES

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

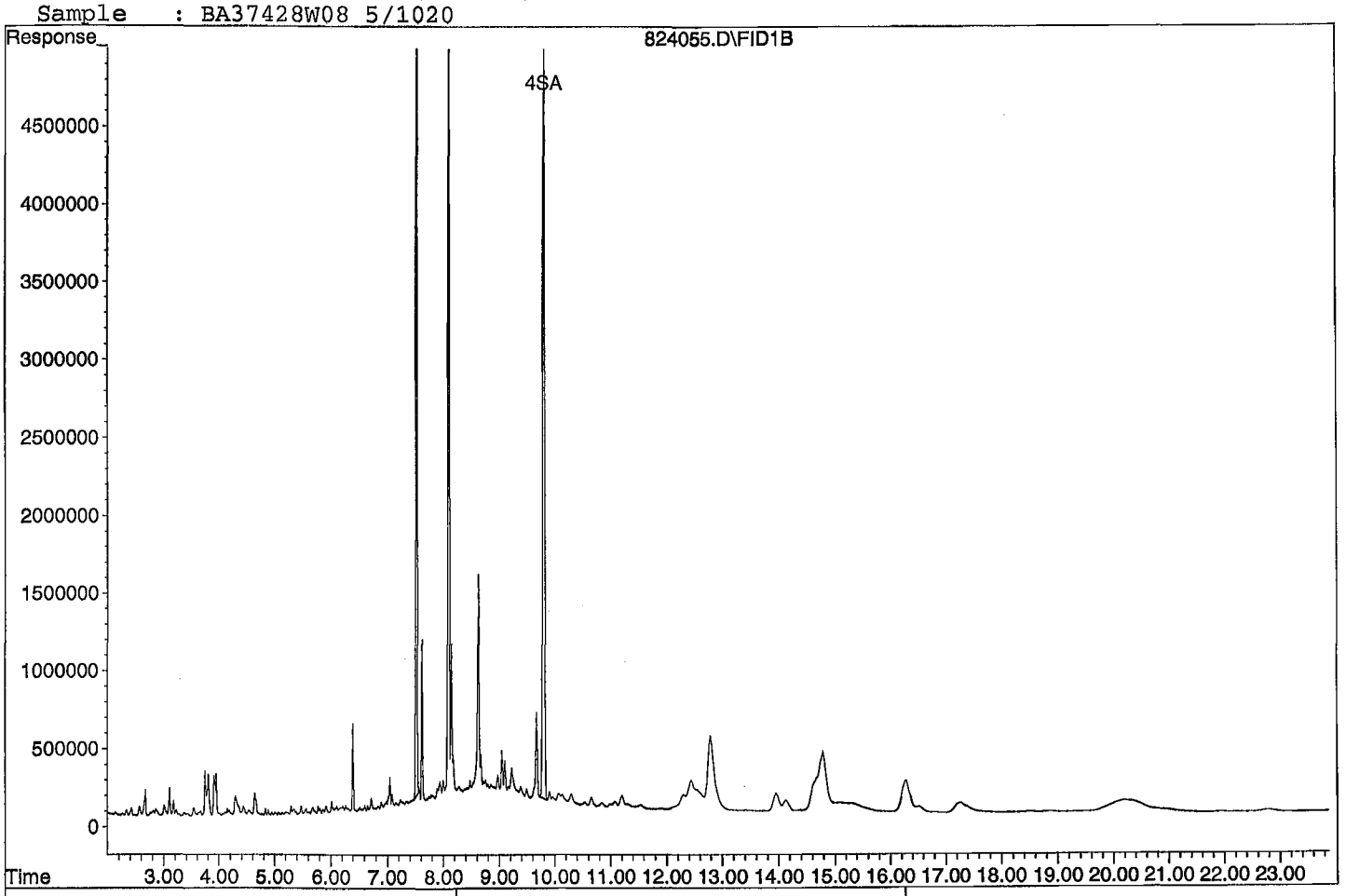
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

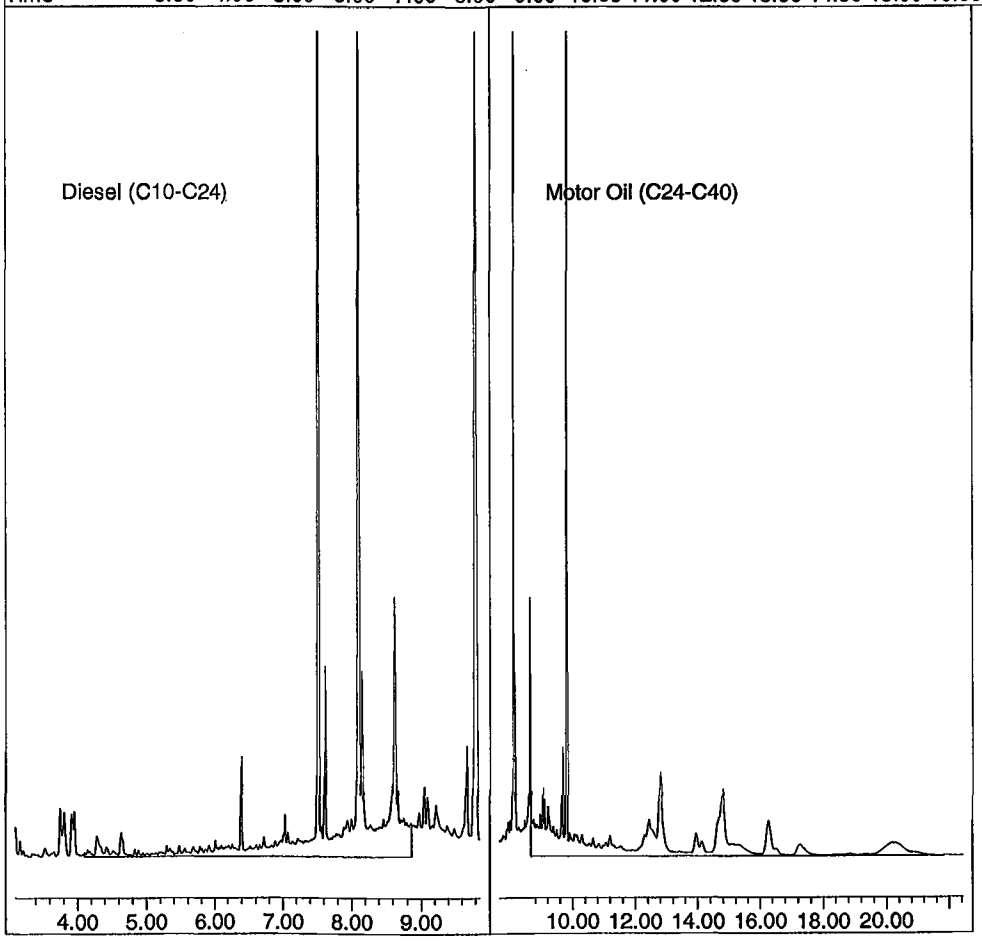
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.52	110019686	96.962 ppb
Surrogate Spike 147.059		Recovery =	65.93%
4) SA Octacosane(S)	9.80	111002066	128.636 ppb
Surrogate Spike 147.059		Recovery =	87.47%
Target Compounds			
1) HATM Diesel (C10-C24)	6.48	401676412	433.694 ppb
2) HBTM Motor Oil (C24-C40)	15.05	524399445	710.670 ppb

Target Compounds

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

Data File: G:\APOLLO\DATA\210824\824055.D
Sample : BA37428W08 5/1020





Quantitation Report (QT Reviewed)

Data File : G:\APOLLO\DATA\210824\824056.D Vial: 56
Acq On : 8-25-21 17:12:15 Operator: KA
Sample : BA37431W08 5/1040 Inst : Apollo
Misc : water Multiplr: 4.81
IntFile : events.e
Quant Time: Aug 30 14:56 2021 Quant Results File: DOC0823.RES

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

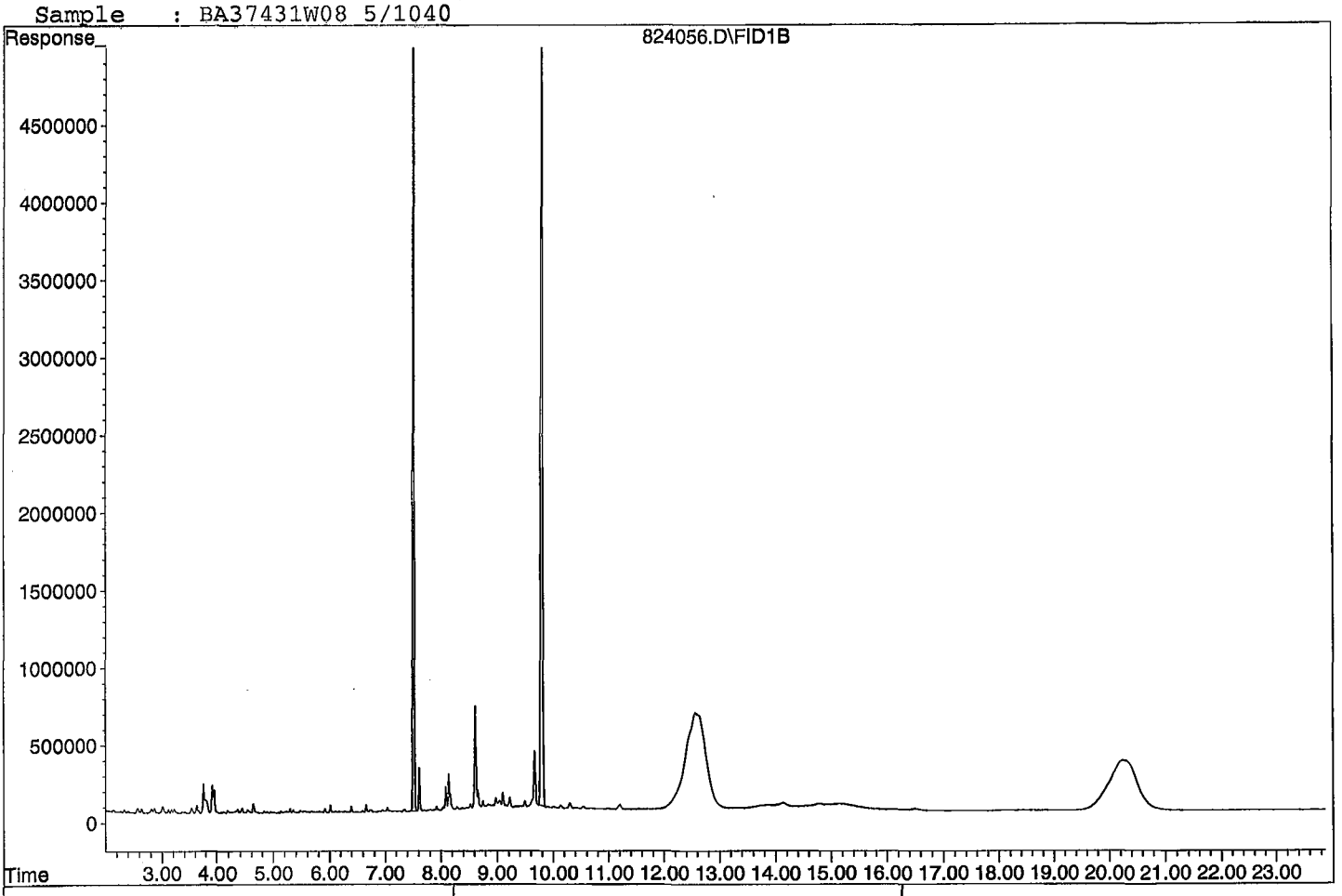
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

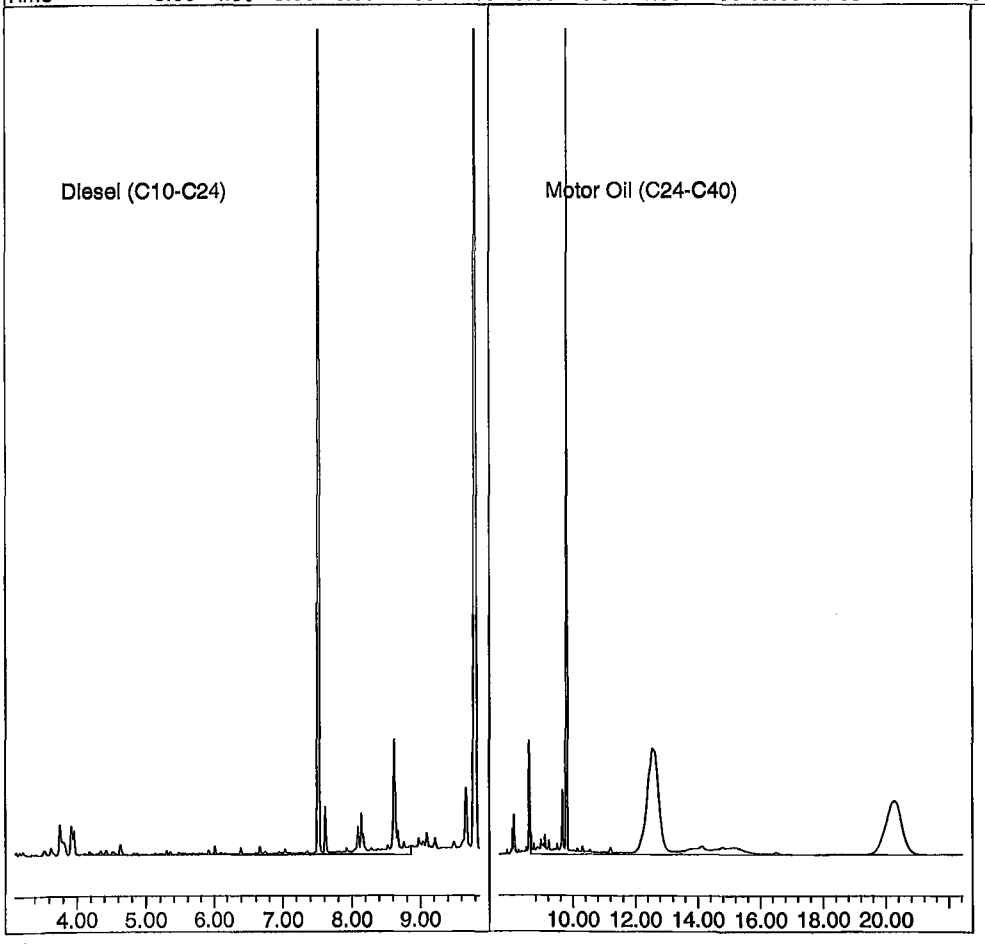
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.51	135552377	117.167 ppb
Surrogate Spike 144.231		Recovery =	81.24%
4) SA Octacosane(S)	9.80	124314194	141.292 ppb
Surrogate Spike 144.231		Recovery =	97.96%
Target Compounds			
1) HATM Diesel (C10-C24)	6.48	64085622	41.035 ppb
2) HBTM Motor Oil (C24-C40)	15.05	402736658	535.296 ppb

Target Compounds

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

Data File: G:\APOLLO\DATA\210824\824056.D
Sample : BA37431W08 5/1040





Quantitation Report (QT Reviewed)

Data File : G:\APOLLO\DATA\210824\824049.D Vial: 49
Acq On : 8-25-21 13:52:51 Operator: KA
Sample : 210811A BLK 5/1000 Inst : Apollo
Misc : water Multiplr: 5.00
IntFile : events.e
Quant Time: Aug 30 14:56 2021 Quant Results File: DOC0823.RES

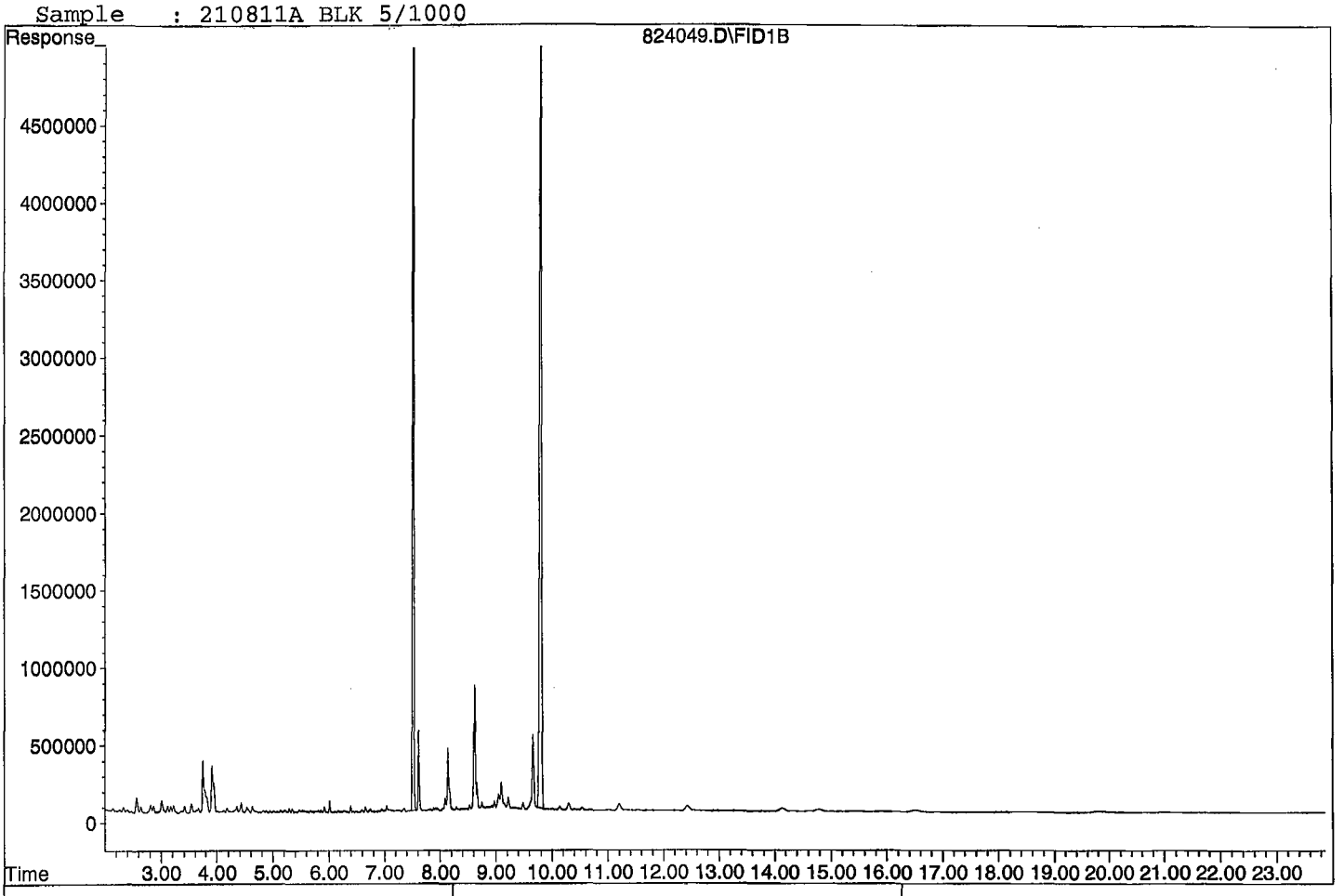
Method : G:\APOLLO\DATA\210823\DOC0823.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Sep 02 15:20:00 2021
Response via : Multiple Level Calibration

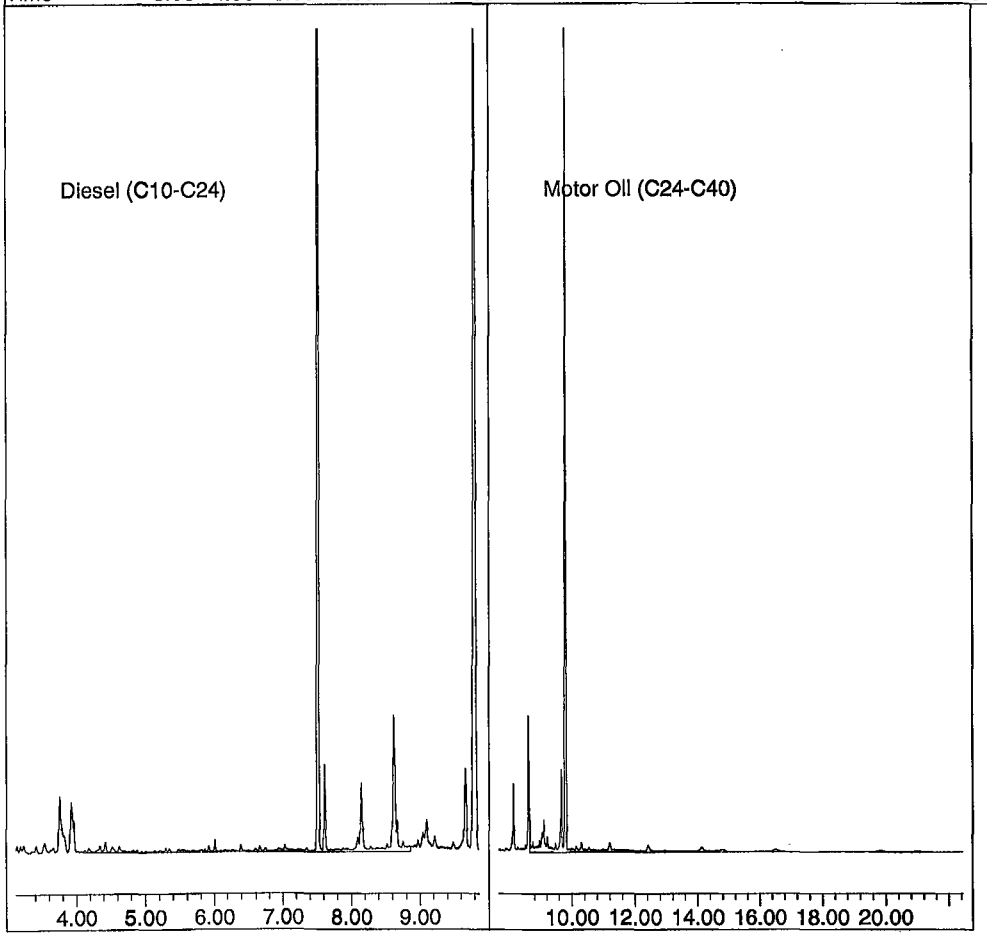
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.52	139107955	125.050 ppb
Surrogate Spike 150.000		Recovery =	83.37%
4) SA Octacosane(S)	9.80	125623668	148.492 ppb
Surrogate Spike 150.000		Recovery =	98.99%
Target Compounds			
1) HATM Diesel (C10-C24)	6.48	69523775	49.115 ppb
2) HBTM Motor Oil (C24-C40)	15.05	84756473	117.160 ppb
Target Compounds			

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

Data File: G:\APOLLO\DATA\210824\824049.D
Sample : 210811A BLK 5/1000





Quantitation Report (QT Reviewed)

Data File : G:\APOLLO\DATA\210824\824050.D
Acq On : 8-25-21 14:21:20
Sample : 210811A LCS-1 5/1000
Misc : water
IntFile : events.e
Quant Time: Aug 30 14:56 2021 Quant Results File: DOC0823.RES

Vial: 50
Operator: KA
Inst : Apollo
Multiplr: 5.00

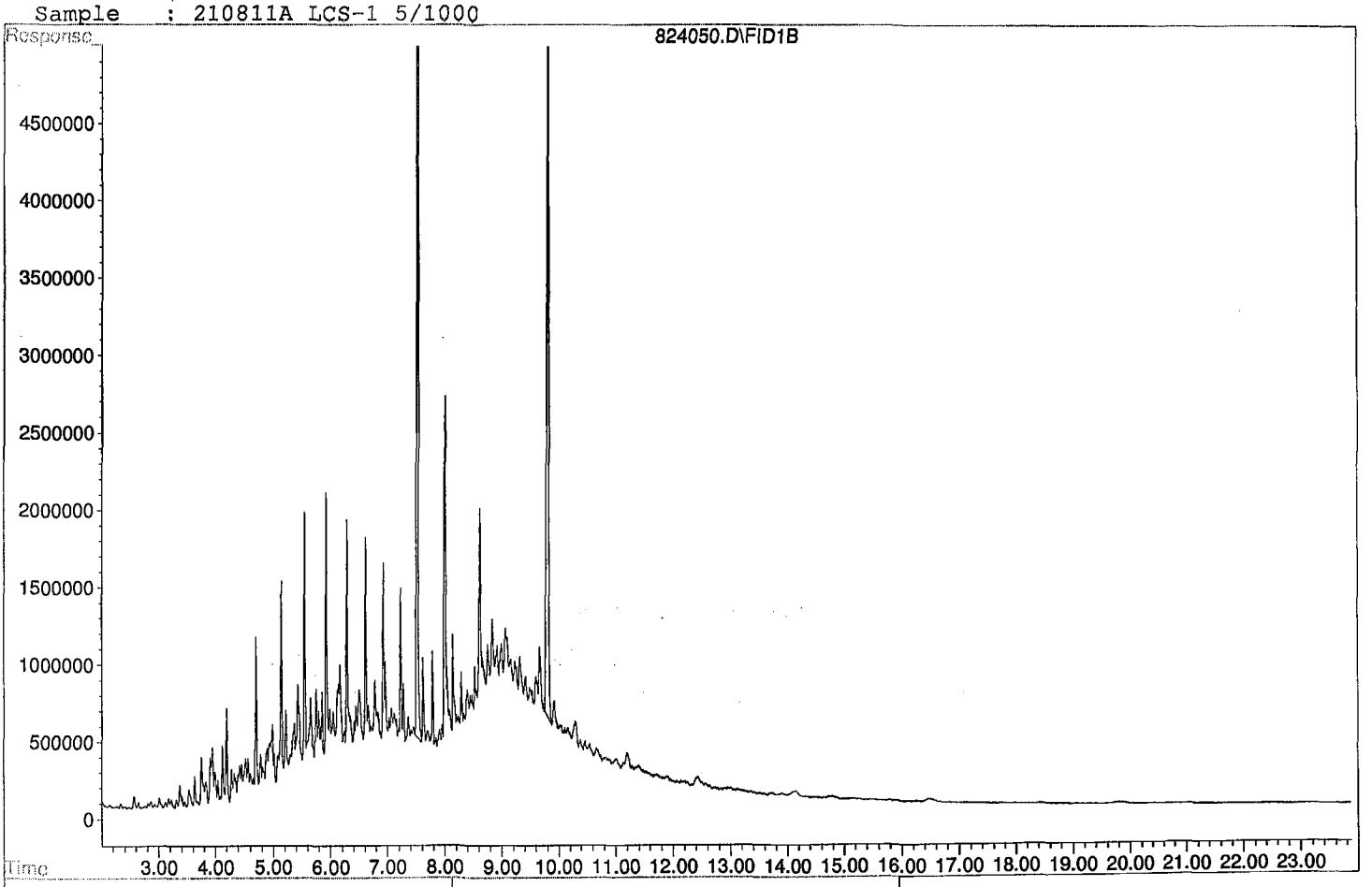
Method : G:\APOLLO\DATA\210823\DOC0823.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Sep 02 15:20:00 2021
Response via : Multiple Level Calibration

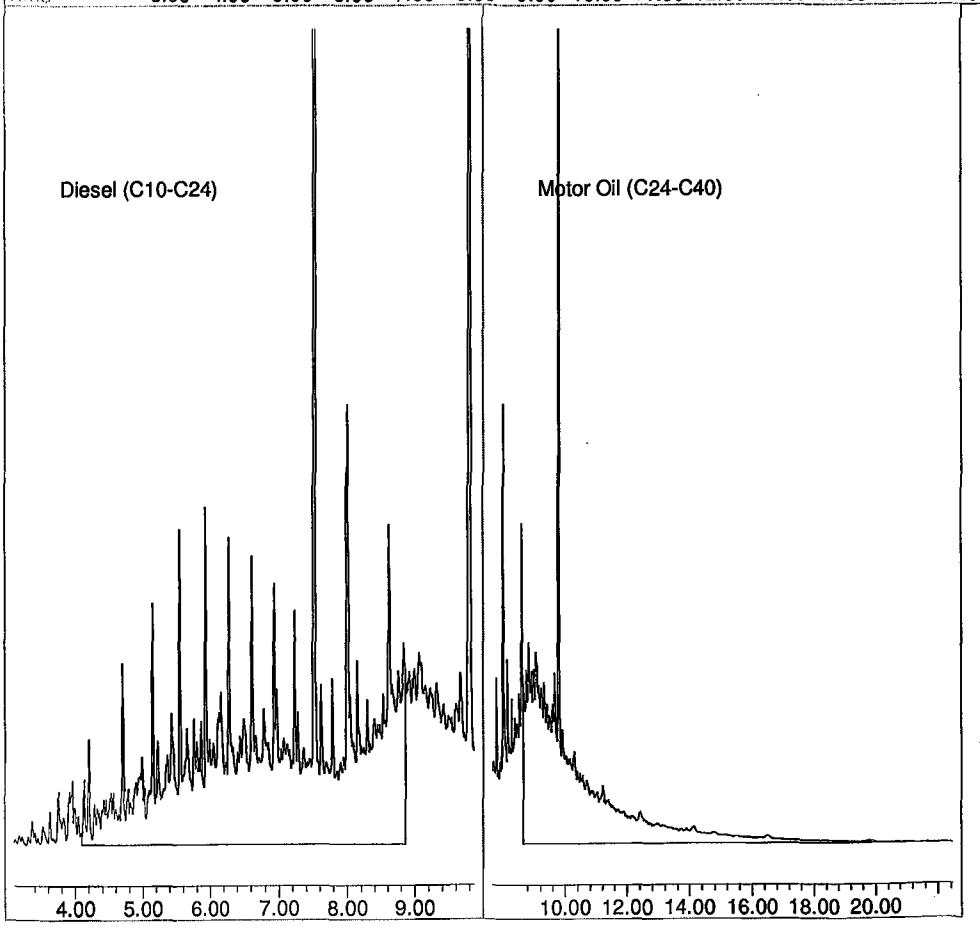
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.52	155191300	139.508 ppb
Surrogate Spike 150.000		Recovery =	93.01%
4) SA Octacosane(S)	9.80	126938872	150.047 ppb
Surrogate Spike 150.000		Recovery =	100.03%
Target Compounds			
1) HATM Diesel (C10-C24)	6.48	1605660337	1867.826 ppb
2) HBTM Motor Oil (C24-C40)	15.05	1299628132	1796.492 ppb
Target Compounds			

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

Data File: G:\APOLLO\DATA\210824\824050.D
Sample : 210811A LCS-1 5/1000





824050.D DOC0823.M Fri Sep 03 13:38:53 2021

Quantitation Report (QT Reviewed)

Data File : G:\APOLLO\DATA\210824\824051.D Vial: 51
Acq On : 8-25-21 14:49:50 Operator: KA
Sample : 210811A LCSD-1 5/1000 Inst : Apollo
Misc : water Multiplr: 5.00
IntFile : events.e
Quant Time: Aug 30 14:56 2021 Quant Results File: DOC0823.RES

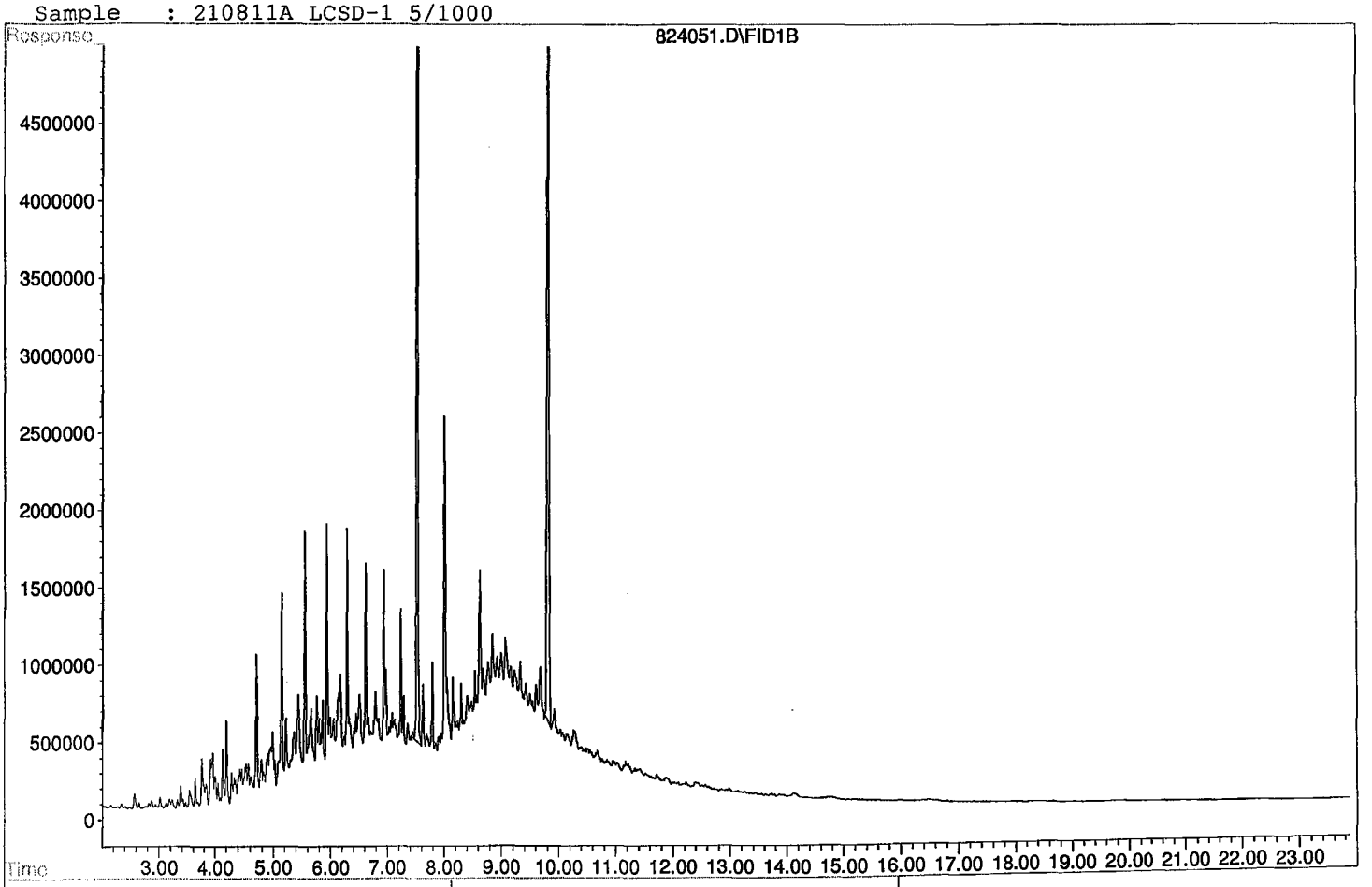
Method : G:\APOLLO\DATA\210823\DOC0823.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Sep 02 15:20:00 2021
Response via : Multiple Level Calibration

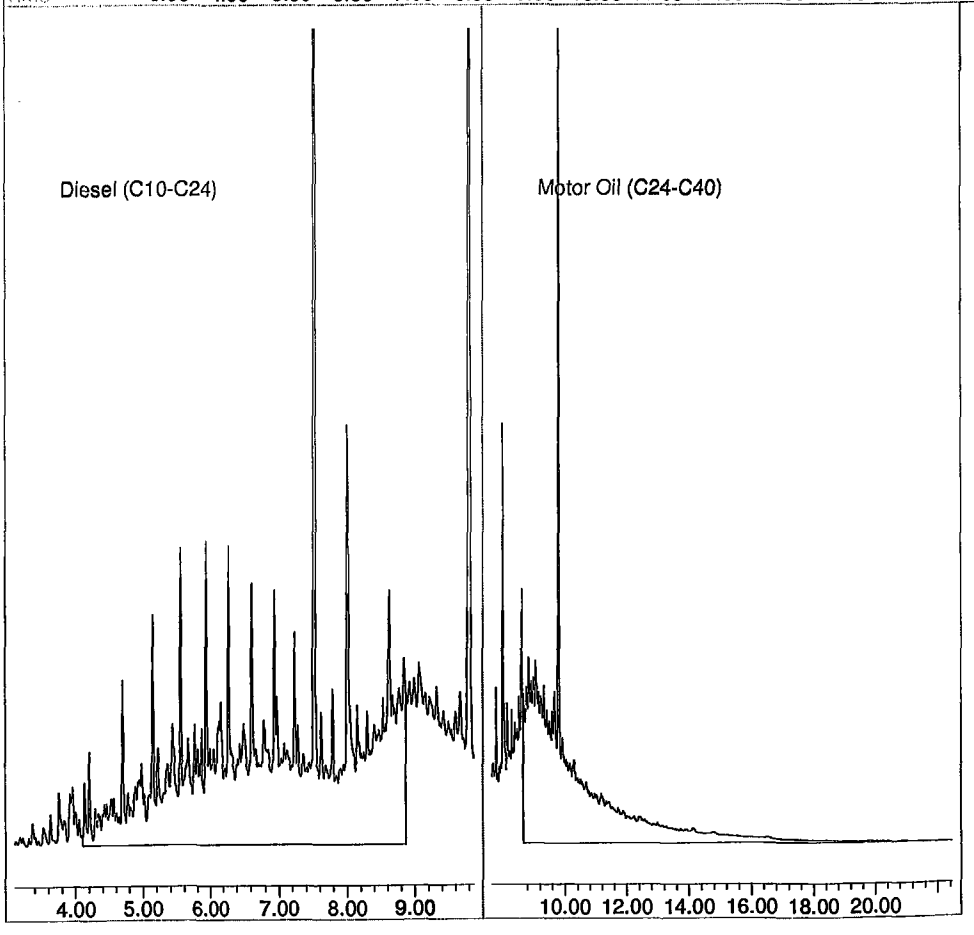
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.51	145510268	130.805 ppb
Surrogate Spike 150.000		Recovery =	87.20%
4) SA Octacosane(S)	9.80	117475337	138.860 ppb
Surrogate Spike 150.000		Recovery =	92.57%
Target Compounds			
1) HATM Diesel (C10-C24)	6.48	1493036403	1734.485 ppb
2) HBTM Motor Oil (C24-C40)	15.05	1219167502	1685.270 ppb
Target Compounds			

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

Data File: G:\APOLLO\DATA\210824\824051.D
Sample : 210811A 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: 8/24/2021
Expires: 8/24/2022

Prepared By (Initials): KA

Methylene Chloride Lot No. 61117

Initial Standard Information							Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	APPL Mix Name	Conc. (ug/mL)	Reference to APPL Prep Date and Lot #'s	Exp. Date	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	**Prepared 8/23/21 A0164485-52662, A0165510-52666, CL16893-52844**	**8/23/2022**	**10/31/2027 03/31/2028 5/31/2026**	1250uL	10mL	MC	250

Diesel Motor Oil Mix

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

Prepared By (Initials): MB

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

Name of Final Standard THC Surrogate **Prep'd By (Initials)** MA

Prep Date 8/4/2021
Exp Date 8/4/2022

Initial Standard Information						Final Standard Information				
Name of Initial Standard (QAU Label)	Supplier	Supplier Part No.	Conc.(mg/L))	Lot # with QA # (or reference to APPL prep date)	EXP DATE (1Yr)	Exp Date (Manufacturer)	Aliquot from Stock	Final Volume	Final Solvent + Lot# (or APPL Prep Date)	Final Standard Conc (range)
O-terphenyl/ Octacosane Mix	Phhenova	ALO-13016	600 mg/L	**CL15902-52328**	**7/1/2022**	**10/31/2025**	NA	NA	NA	600 mg/L

Organic Extraction Worksheet

Method	Continuous Liq/Liq TPH-Diesel/MO 3520C	Extraction Set	210811A	Extraction Method	LIQ005	Units	mL

Spiked ID 1	Diesel Motor Oil Mix		Surrogate ID 1	THC Surrogate	
Spiked ID 2	Decanoic 1000ug/mL Acid Solution		Surrogate ID 2		
Spiked ID 3			Surrogate ID 3		
Spiked ID 4			Surrogate ID 4		
Spiked ID 5			Surrogate ID 5		
Spiked ID 6			Sufficient Vol for Matrix QC:	NO	
Spiked ID 7			Ext. Start Time:		
Spiked ID 8			Ext. End Time:		
			GC Requires Extract By:		

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

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

	Sample	Sample Container	Spike Amount	Spike ID	Surrogate Amount	Surrogate ID	Extract Amount	Final Volume	pH	Extract Date/Time	Comments
1	210811A Blk		0.050	2	0.250	1 equip	1000	5	2	08/11/21 11:34	*
2	210811A LCS-1		0.080,0.050	1,2	0.250	1 equip	1000	5	2	08/11/21 11:34	*
3	210811A LCSD-1		0.080,0.050	1,2	0.250	1 equip	1000	5	2	08/11/21 11:34	*
4	BA37288	BA37288W24	0.050	2	0.250	1 equip	1040	5	2	08/11/21 11:34	97069 *
5	BA37422	BA37422W07	0.050	2	0.250	1 equip	1000	5	2	08/11/21 11:34	97057 *
6	BA37425	BA37425W08	0.050	2	0.250	1 equip	1010	5	2	08/11/21 11:34	97057 *
7	BA37428	BA37428W08	0.050	2	0.250	1 equip	1020	5	2	08/11/21 11:34	97057 *
8	BA37431	BA37431W08	0.050	2	0.250	1 equip	1040	5	2	08/11/21 11:34	97057 *

Solvent and Lot#	
1+1 HCL (5mLs)	.
PH Strips	.
Dicholormethane	.
Filter Paper	.
Sodium Sulfate	.
Silica Gel (*)	.

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

	Technician's Initials
Scanned By	
Sample Preparation	
Extraction	
Concentration	

Modified	8/11/2021 4:28:40 PM

Reviewed By: **Date**

Injection Log

Directory: G:\APOLLO\DATA\210823\

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	3	823003.D	1	DMO Curve 1	water	8-23-21 18:21:55
2	4	823004.D	1	DMO Curve 2	water	8-23-21 18:50:30
3	5	823005.D	1	DMO Curve 3	water	8-23-21 19:18:55
4	6	823006.D	1	DMO Curve 4	water	8-23-21 19:47:24
5	7	823007.D	1	DMO Curve 5	water	8-23-21 20:15:46
6	8	823008.D	1	DMO Curve 6	water	8-23-21 20:44:20
7	9	823009.D	1	DMO Curve 7	water	8-23-21 21:12:52
8	10	823010.D	1	DMO Second Source	water	8-23-21 21:41:26
9	48	824048.D	1	Diesel Motor Oil CCV 8/24/21	water	8-25-21 13:24:22
10	49	824049.D	5	210811A BLK 5/1000	water	8-25-21 13:52:51
11	50	824050.D	5	210811A LCS-1 5/1000	water	8-25-21 14:21:20
12	51	824051.D	5	210811A LCSD-1 5/1000	water	8-25-21 14:49:50
13	53	824053.D	5	BA37422W07 5/1000	water	8-25-21 15:46:45
14	54	824054.D	4.9505	BA37425W08 5/1010	water	8-25-21 16:15:14
15	55	824055.D	4.90196	BA37428W08 5/1020	water	8-25-21 16:43:43
16	56	824056.D	4.80769	BA37431W08 5/1040	water	8-25-21 17:12:15
17	57	824057.D	1	Diesel Motor Oil CCV 8/24/21	water	8-25-21 17:40:44

ORGANICS

Calibration Data

TPH Extractables
DOC0823

Form 6
Initial Calibration

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

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

Quantitation Report (Not Reviewed)

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

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

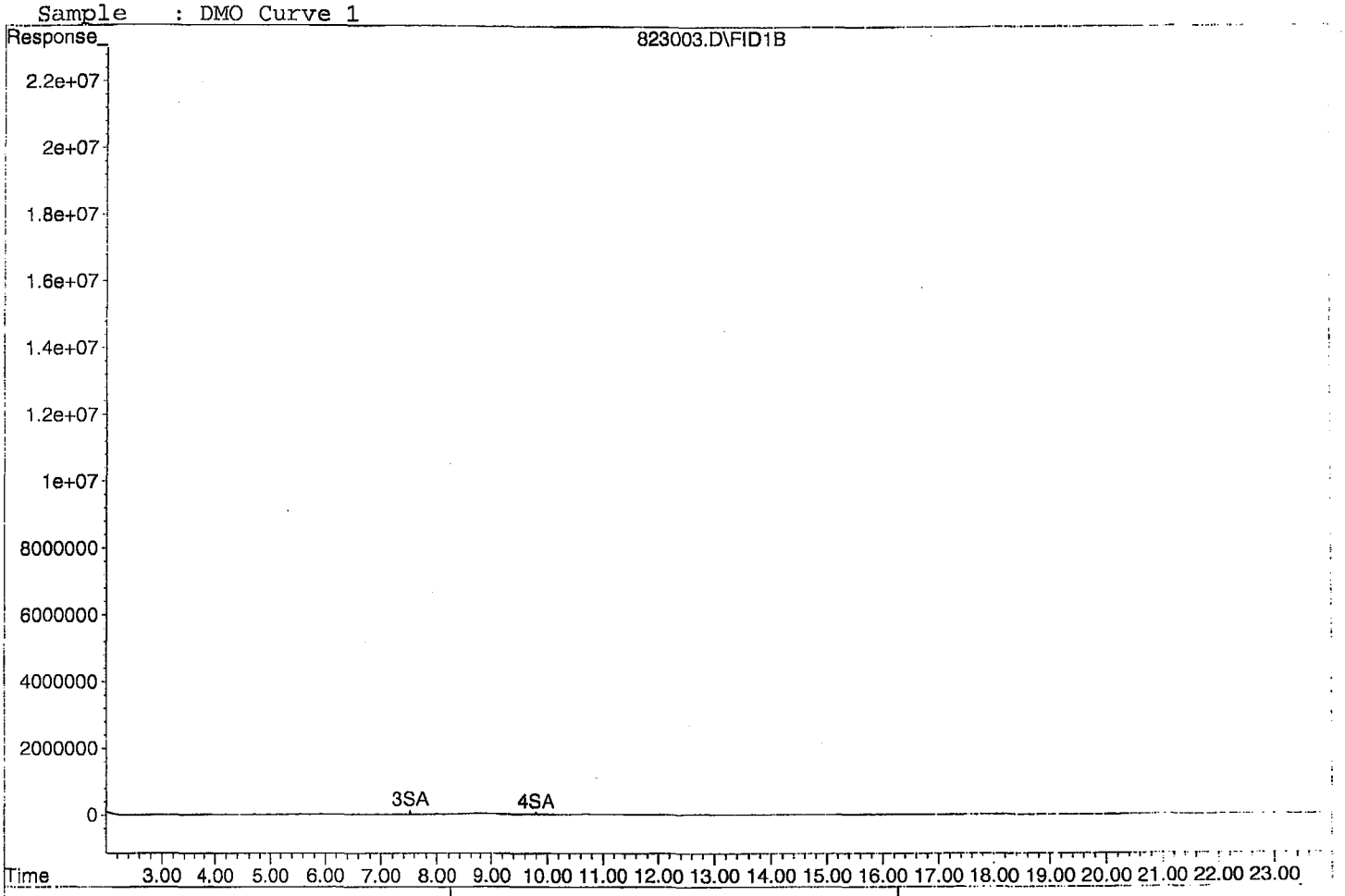
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

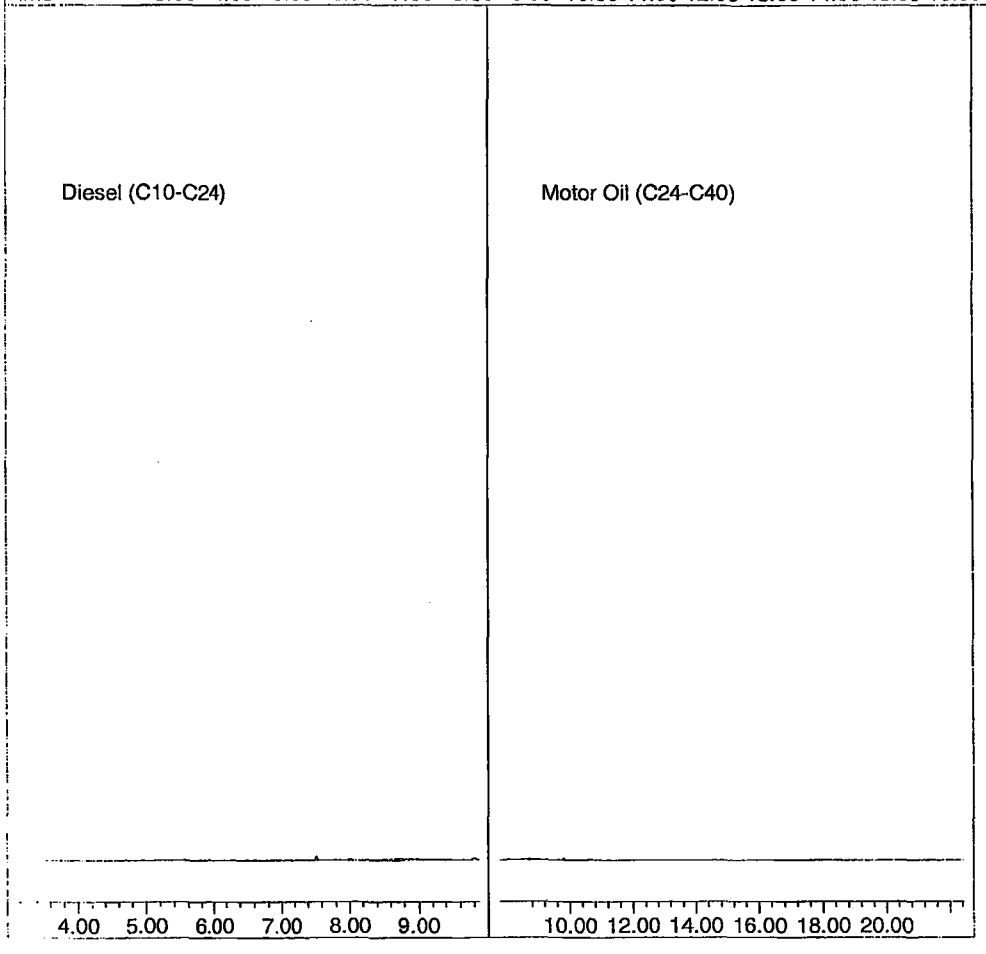
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.52	1782972	0.324 ppb
Surrogate Spike 30.000	Recovery	=	1.08%
4) SA Octacosane(S)	9.80	1307748	0.308 ppb
Surrogate Spike 30.000	Recovery	=	1.03%
Target Compounds			
1) HATM Diesel (C10-C24)	6.48	51783897	5.622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

Target Compounds

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

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





Quantitation Report (Not Reviewed)

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

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

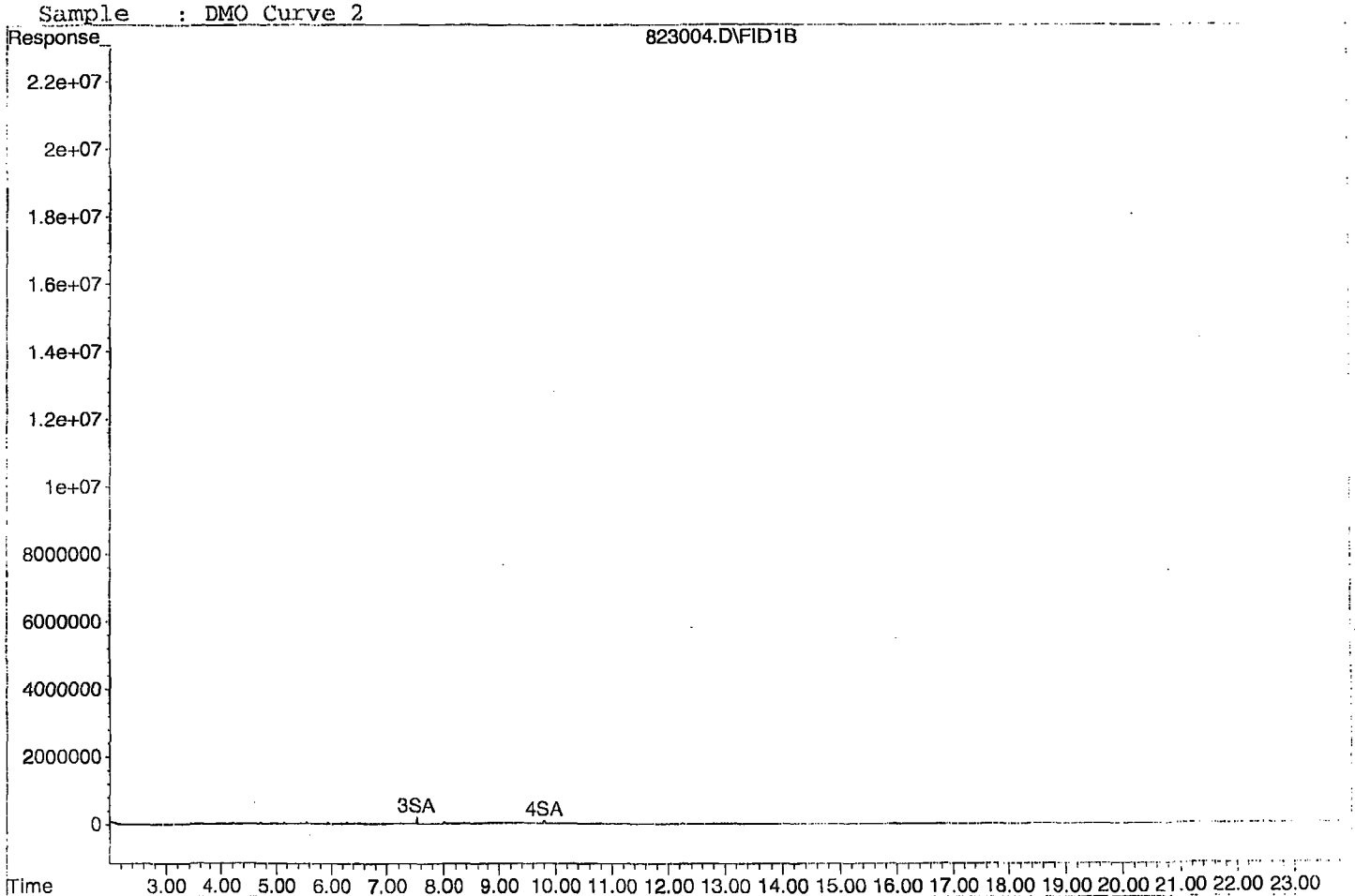
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

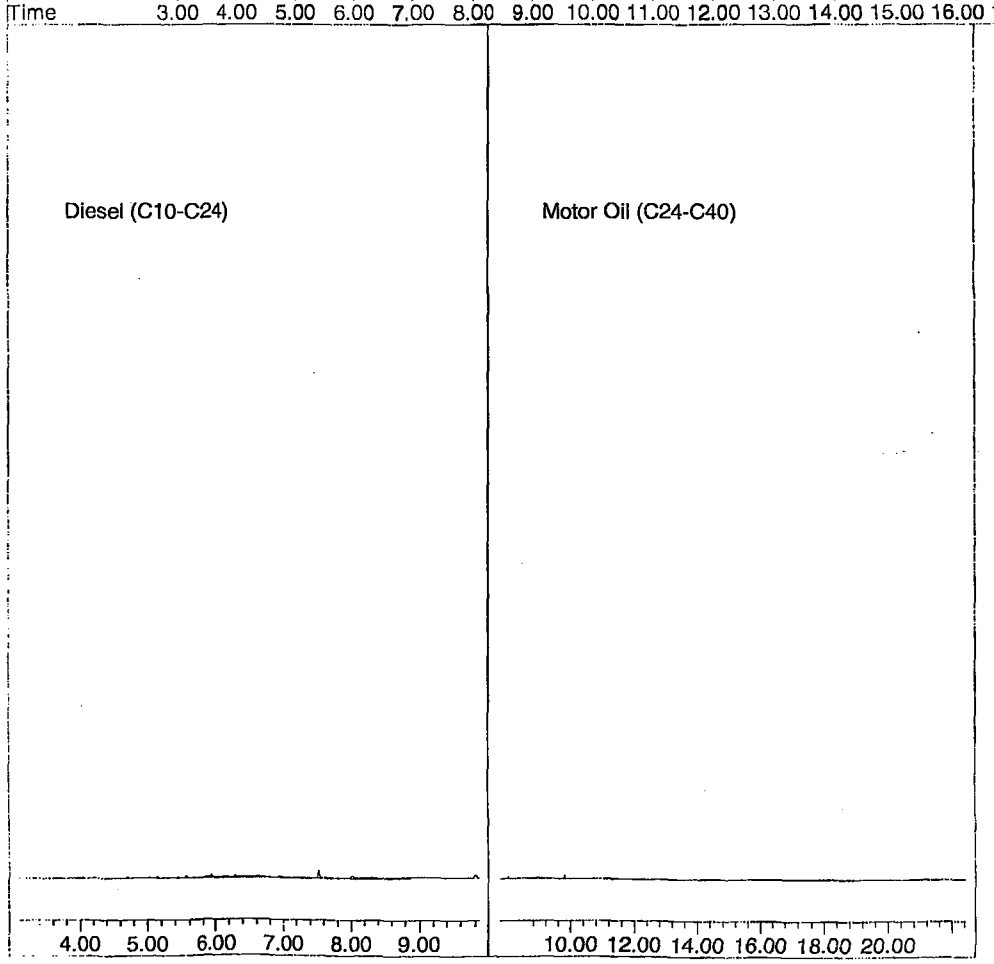
Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
3) SA Ortho-Terphenyl(S)	7.52	2794027	0.508	ppb
Surrogate Spike 30.000	Recovery =		1.69%	
4) SA Octacosane(S)	9.80	2071028	0.488	ppb
Surrogate Spike 30.000	Recovery =		1.63%	
Target Compounds				
1) HATM Diesel (C10-C24)	6.48	66295984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

Target Compounds

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

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





Quantitation Report (Not Reviewed)

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

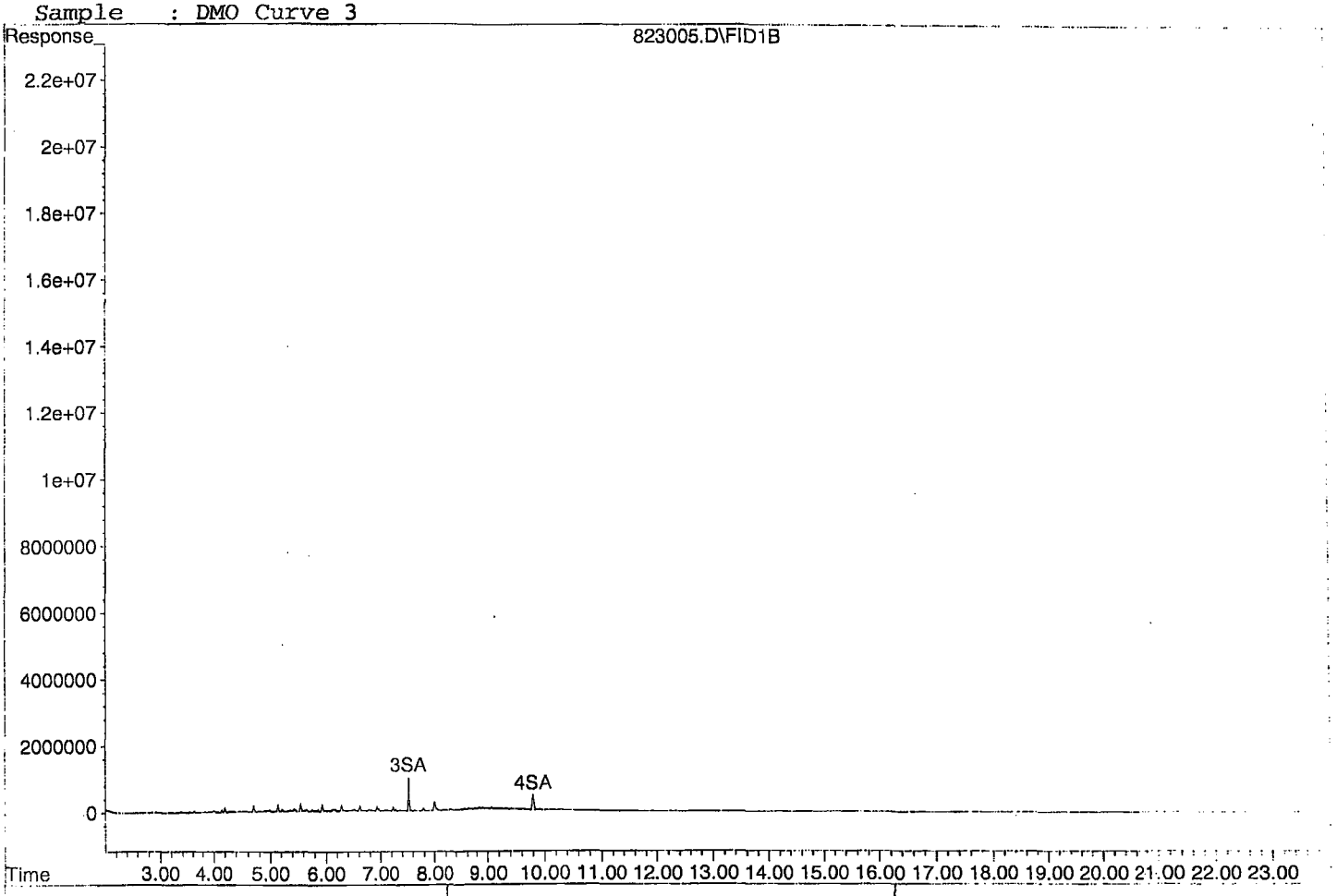
Method : G:\APOLLO\DATA\210823\DOC0823.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Tue Aug 24 09:02:26 2021
Response via : Multiple Level Calibration

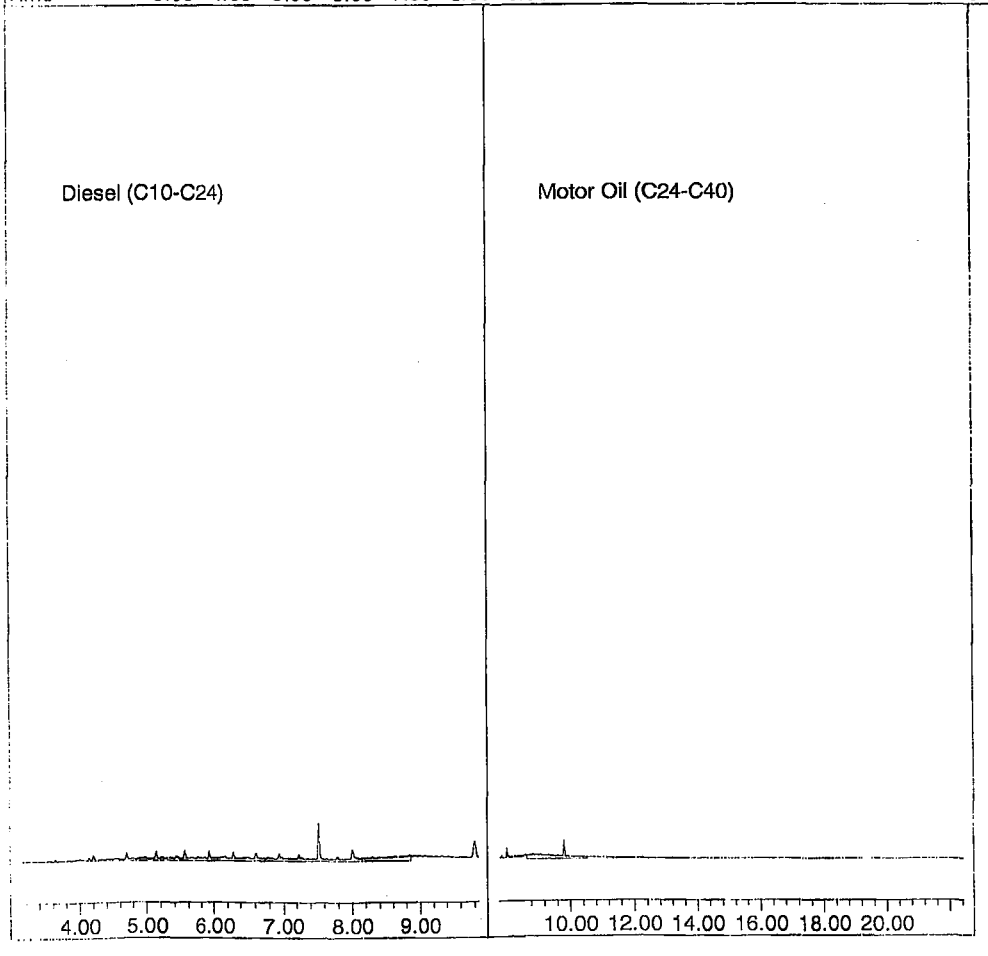
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

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

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

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





Quantitation Report (Not Reviewed)

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

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

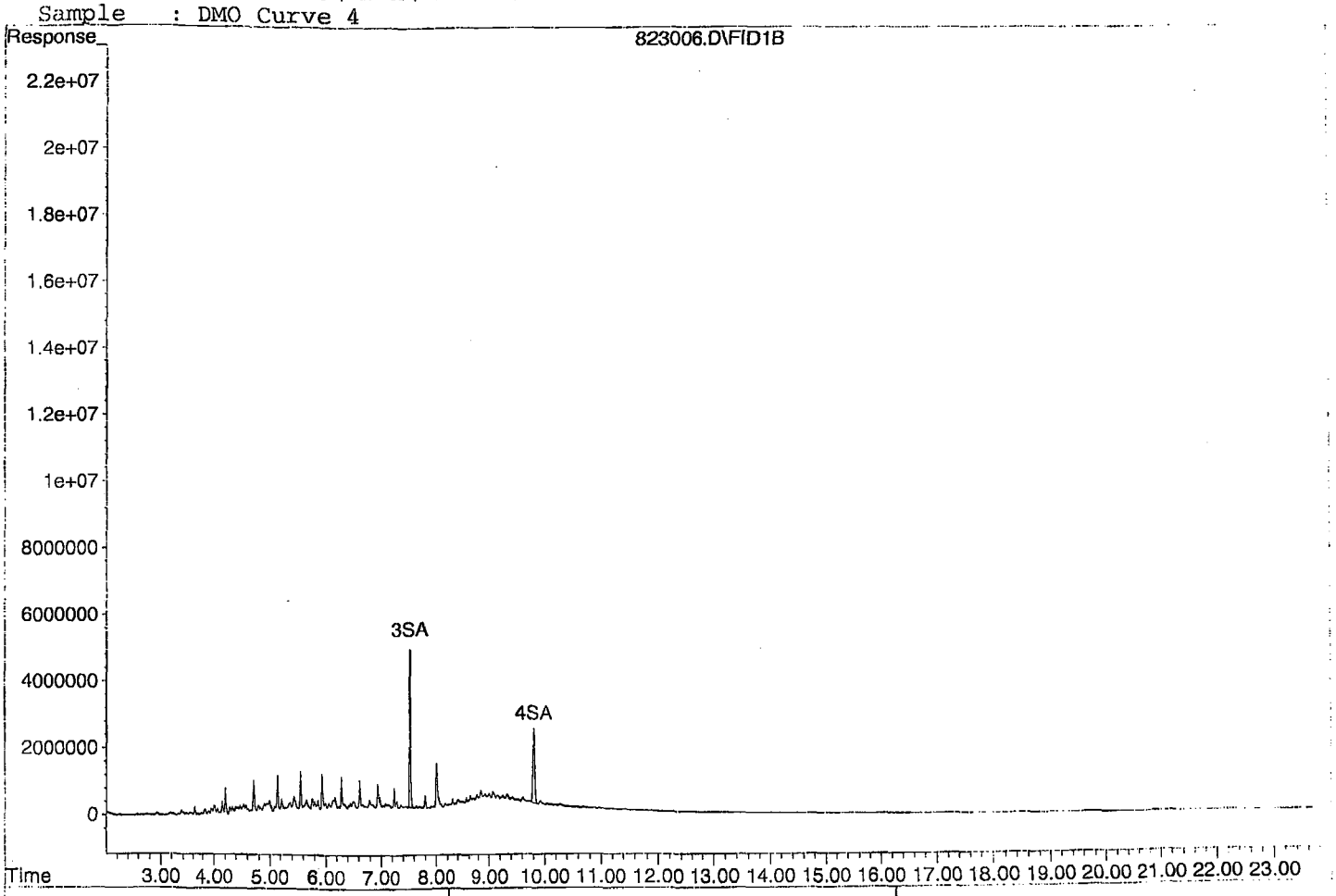
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

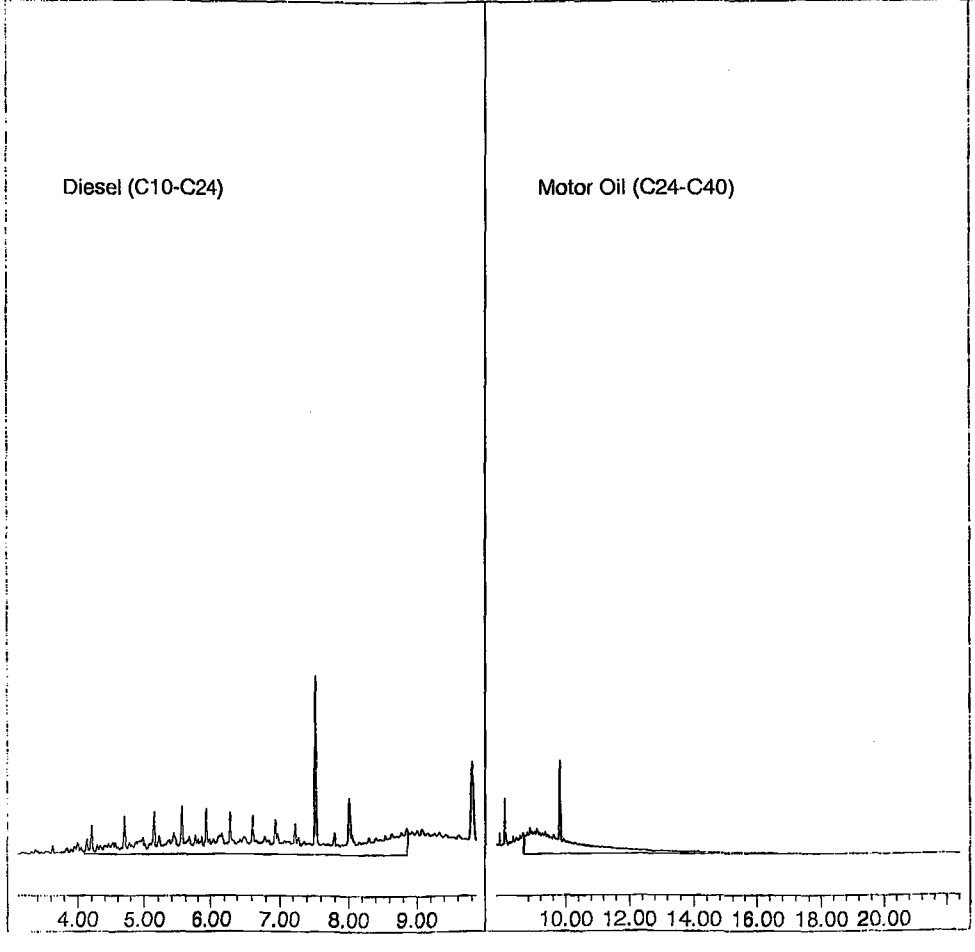
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.52	64604332	11.735 ppb
Surrogate Spike 30.000	Recovery =		39.12%
4) SA Octacosane(S)	9.80	49583699	11.680 ppb
Surrogate Spike 30.000	Recovery =		38.93%
Target Compounds			
1) HATM Diesel (C10-C24)	6.48	1058907009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

Target Compounds

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

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





Quantitation Report (Not Reviewed)

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

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

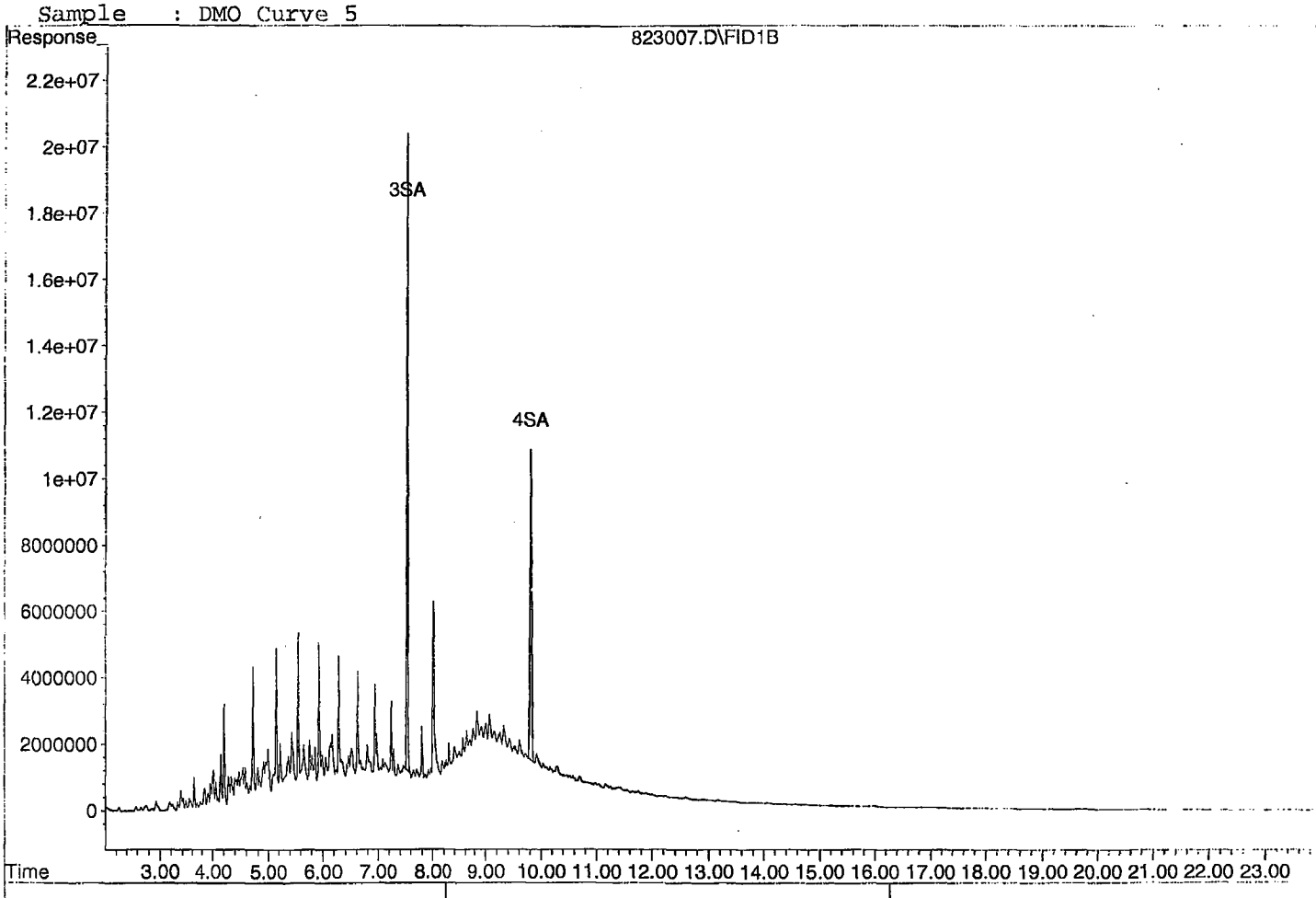
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

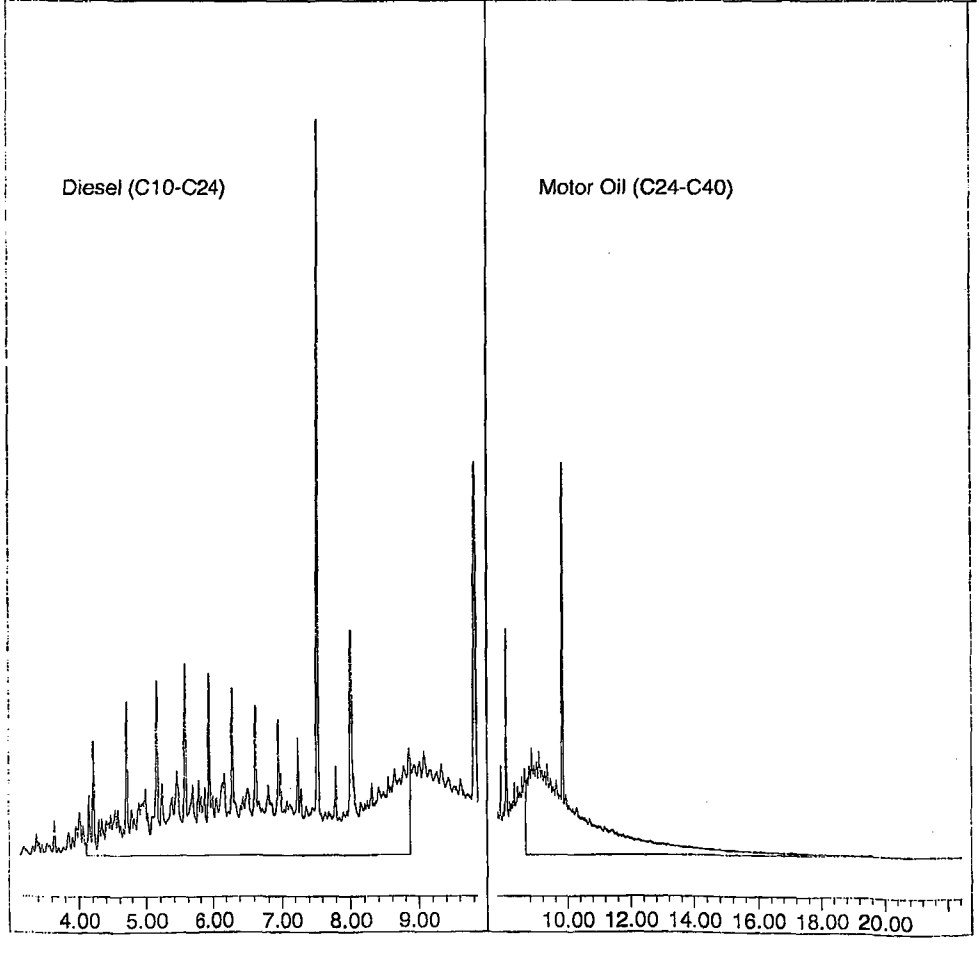
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.52	247623480	44.978 ppb
Surrogate Spike 30.000	Recovery =		149.93%
4) SA Octacosane(S)	9.81	193709477	45.631 ppb
Surrogate Spike 30.000	Recovery =		152.10%
Target Compounds			
1) HATM Diesel (C10-C24)	6.48	4162477075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

Target Compounds

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

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





Quantitation Report (Not Reviewed)

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

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

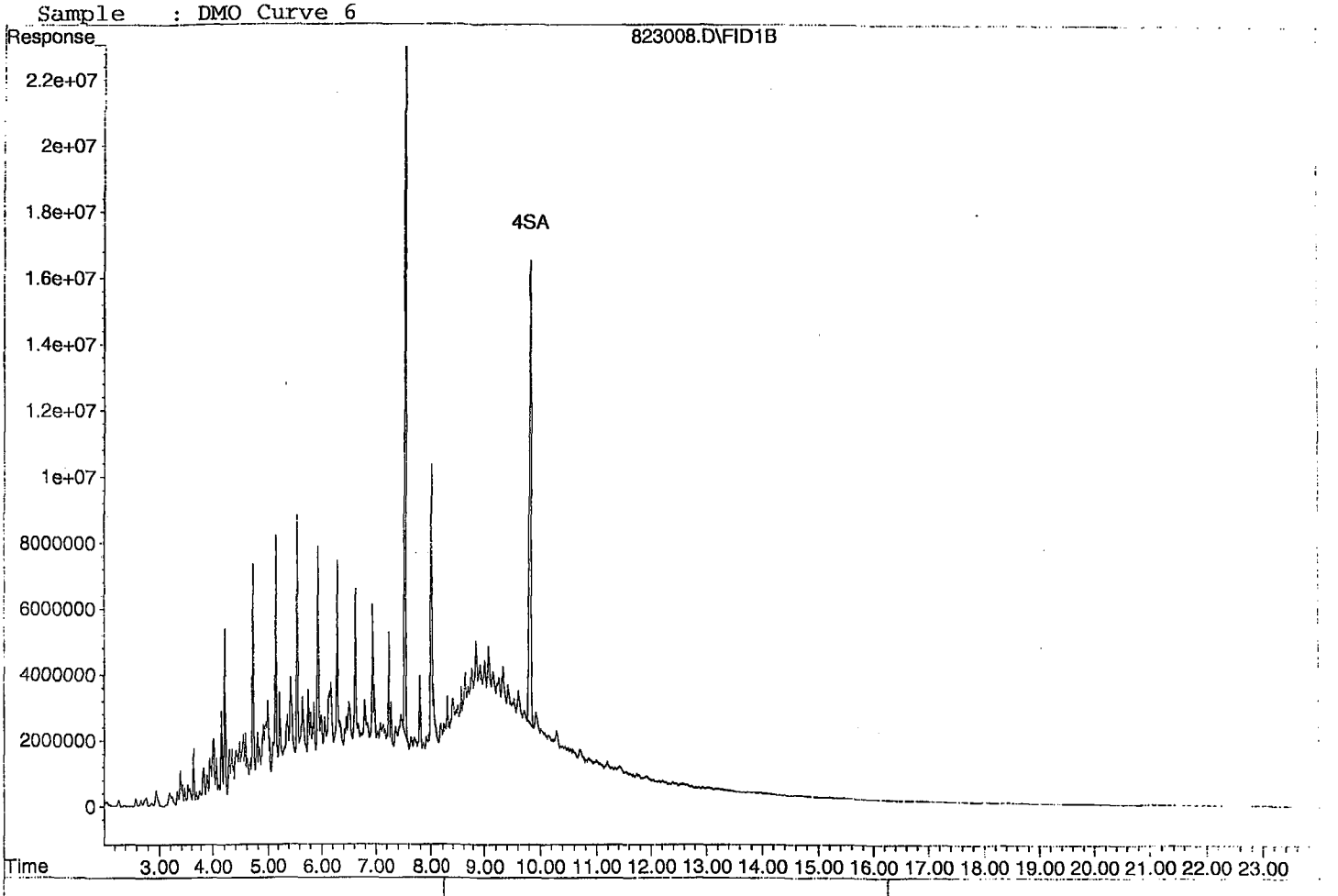
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

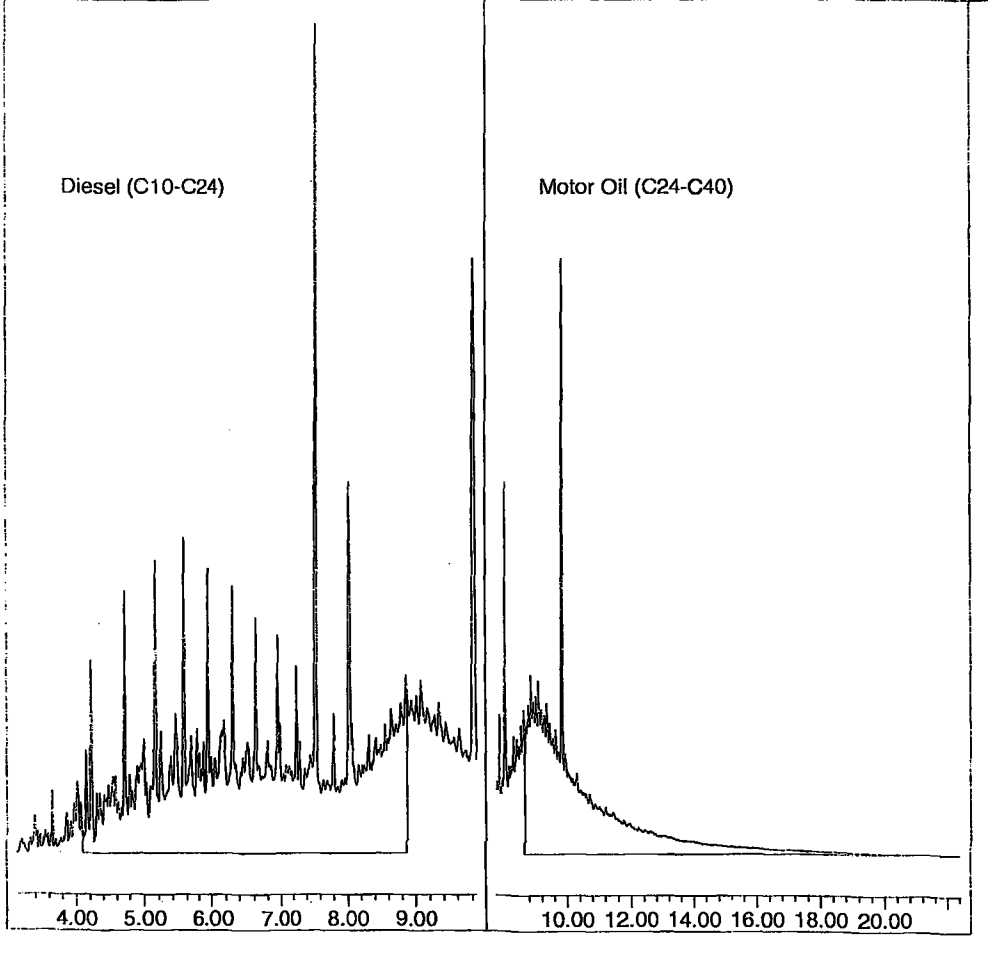
Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
3) SA Ortho-Terphenyl(S)	7.52	387380335	70.364	ppb
Surrogate Spike 30.000		Recovery =	234.55%	
4) SA Octacosane(S)	9.82	325210308	76.608	ppb
Surrogate Spike 30.000		Recovery =	255.36%	
Target Compounds				
1) HATM Diesel (C10-C24)	6.48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

Target Compounds

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

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





Quantitation Report (Not Reviewed)

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

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

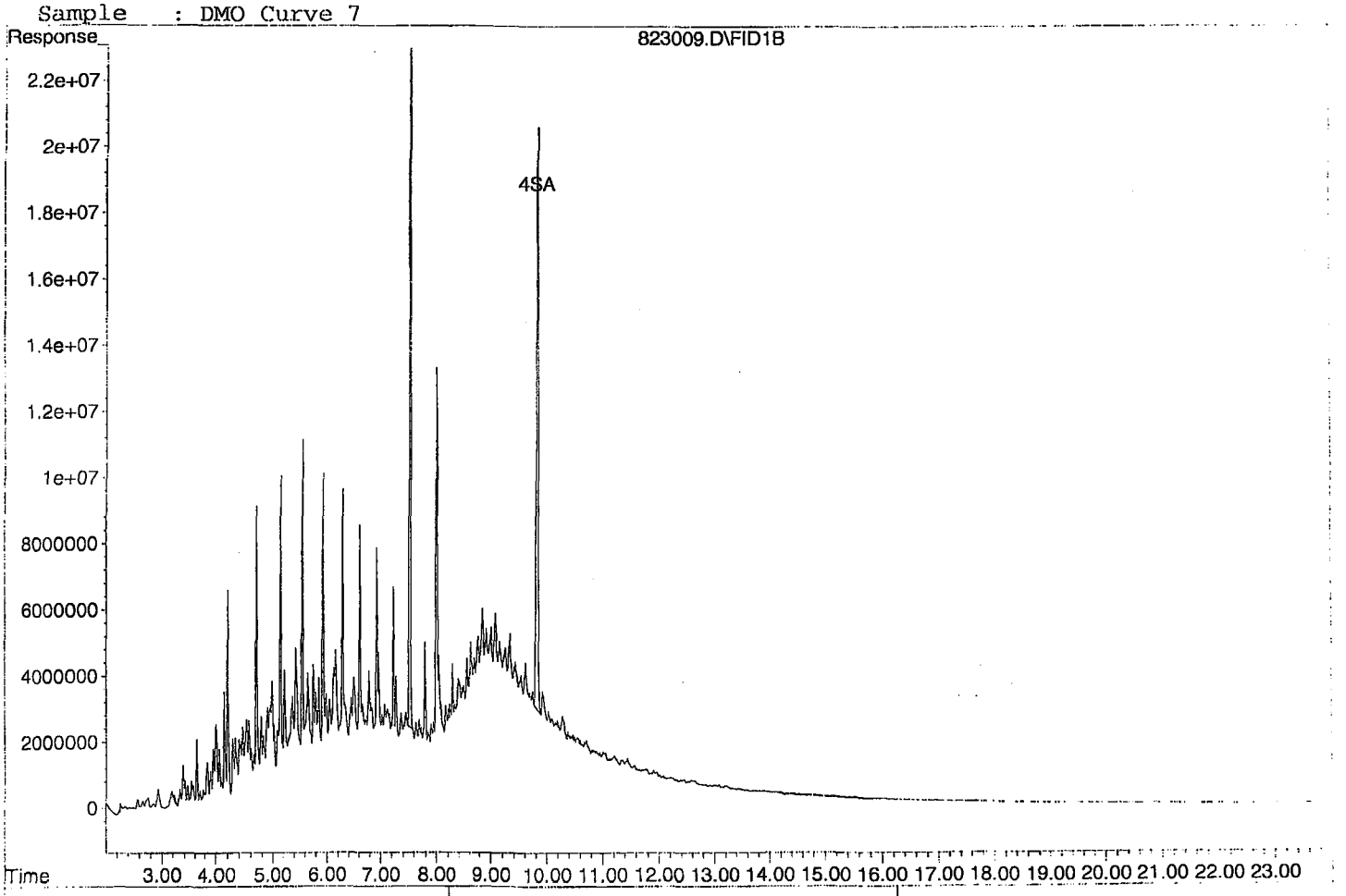
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

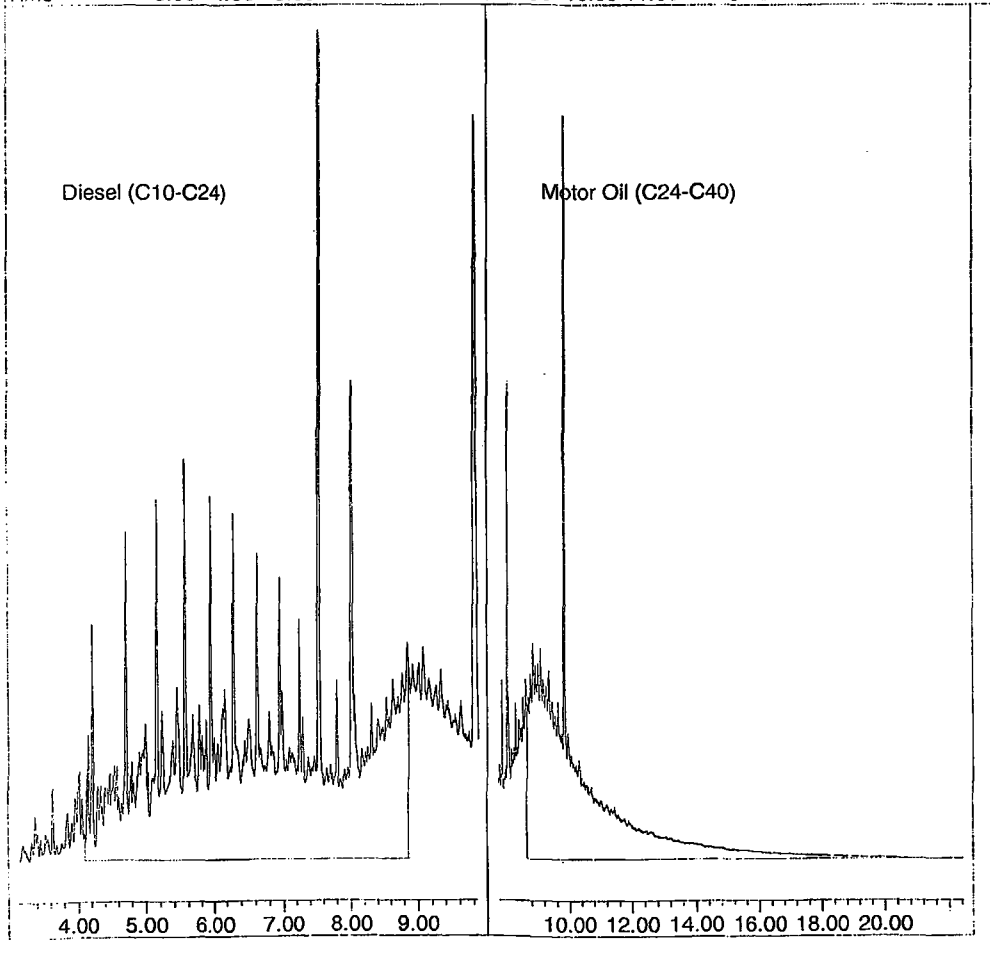
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.53	516572475	93.831 ppb
Surrogate Spike 30.000	Recovery =		312.77%
4) SA Octacosane(S)	9.82	409363905	96.431 ppb
Surrogate Spike 30.000	Recovery =		321.44%
Target Compounds			
1) HATM Diesel (C10-C24)	6.48	8589160086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

Target Compounds

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

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





TPH Extractables
DOC0823

Form 7

Second Source Calibration

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

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

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

Quantitation Report (Not Reviewed)

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

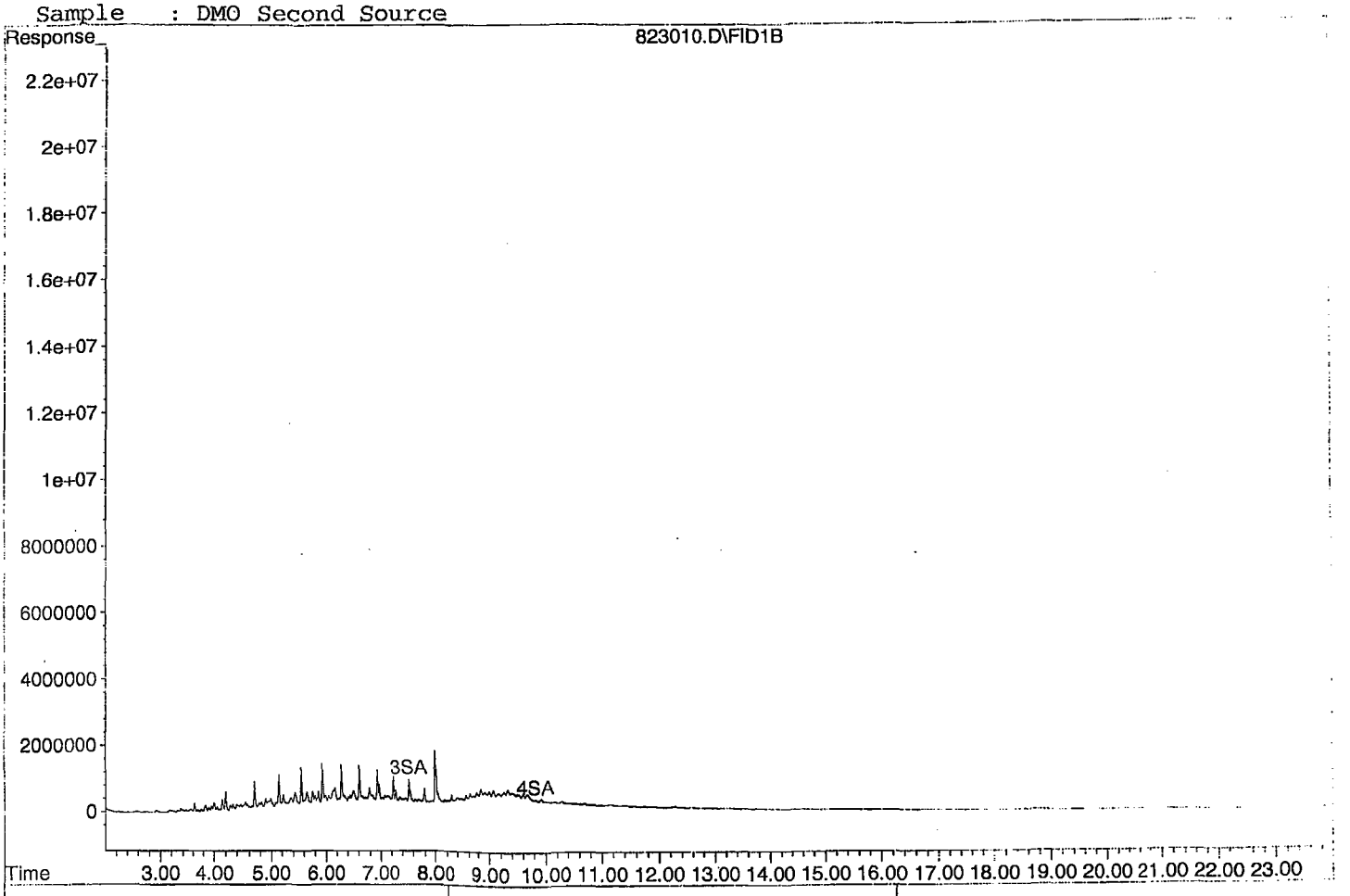
Method : G:\APOLLO\DATA\210823\DOC0823.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Tue Aug 24 09:02:26 2021
Response via : Multiple Level Calibration

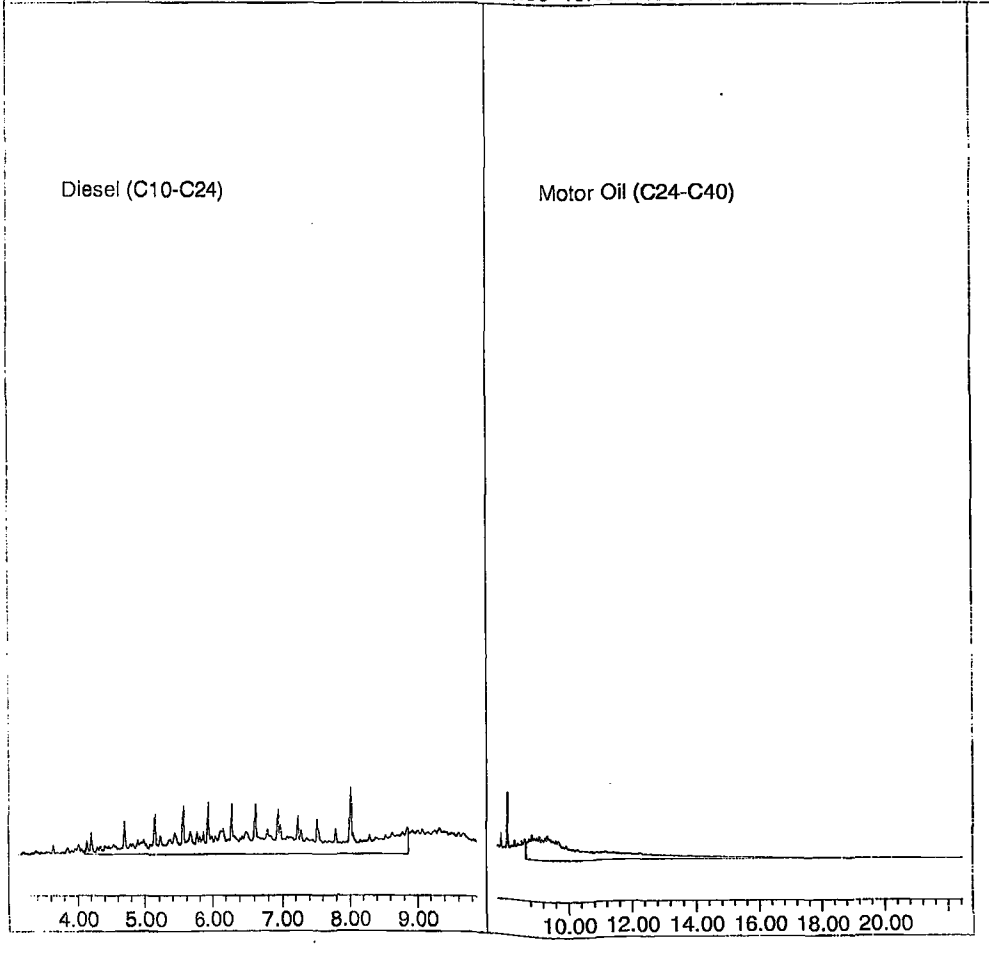
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

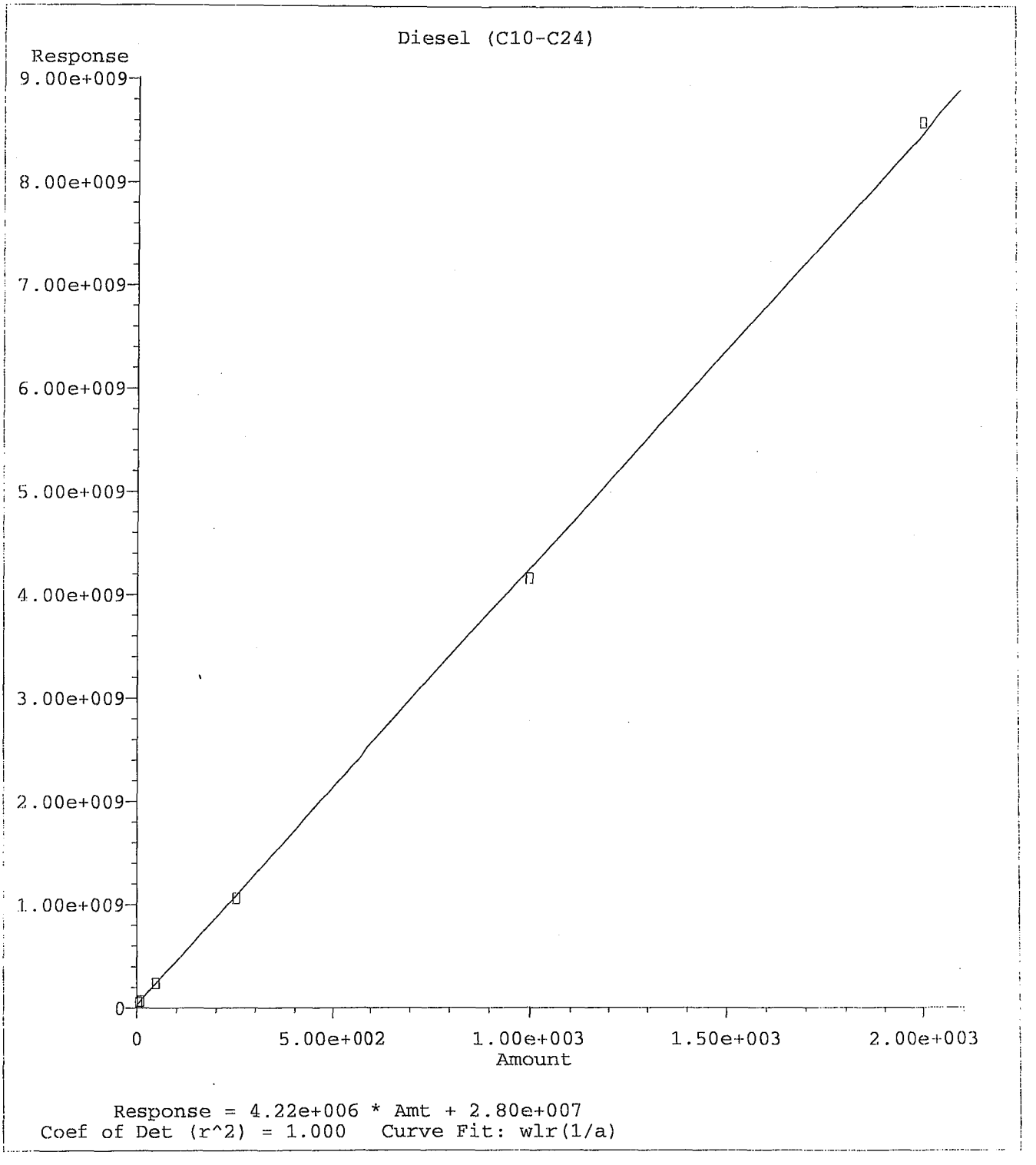
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.52	4634646	0.842 ppb
Surrogate Spike 30.000	Recovery	=	2.81%
4) SA Octacosane(S)	9.82	28821	0.007 ppb
Surrogate Spike 30.000	Recovery	=	0.02%
Target Compounds			
1) HATM Diesel (C10-C24)	6.48	1201427982	277.847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

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

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







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

TPH Extractables
DEC0712

Form 6
Initial Calibration

Lab Name: APPL, Inc. SDG No:
Case No: Initial Cal. Date: 7/12/2021
Matrix: Water Instrument: Apollo Initials:

712003.D 712004.D 712005.D 712006.D 712007.D 712008.D

		Compound	1	2	3	4	5	6					Avg	%RSD	Type	r^2	Q
1	SC	Decanoic Acid(S)	1076201	1238207	1265572	1305227	1331032	1285287					1250254	7.3	SC		
2																	
3																	
4																	
5																	
6																	
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0.208067

Quantitation Report (Not Reviewed)

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

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

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

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) SC Decanoic Acid(S)	5.78	6457209	2.582 ppb
Surrogate Spike 24.000		Recovery =	10.76%
Target Compounds			
Target Compounds			

Quantitation Report (Not Reviewed)

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

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

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

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) SC Decanoic Acid(S)	5.78	14858480	5.942 ppb
Surrogate Spike 24.000	Recovery =		24.76%
Target Compounds			
Target Compounds			

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

Quantitation Report (Not Reviewed)

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

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

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

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) SC Decanoic Acid(S)	5.80	60747433	24.294 ppb
Surrogate Spike 24.000		Recovery =	101.23%
Target Compounds			

Target Compounds

Quantitation Report (Not Reviewed)

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

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

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

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) SC Decanoic Acid(S)	5.80	93976376	37.583 ppb
Surrogate Spike 24.000		Recovery =	156.60%
Target Compounds			
Target Compounds			

Quantitation Report (Not Reviewed)

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

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

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

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) SC Decanoic Acid(S)	5.81	127779111	51.101 ppb
Surrogate Spike 24.000		Recovery =	212.92%
Target Compounds			
Target Compounds			

Quantitation Report (Not Reviewed)

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

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

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

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

TPH Extractables
DOC0823

Form 7

Continuing Calibration

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

SDG No:
Date Analyzed: 8/25/2021
Instrument: Apollo
Initial Cal. Date: 8/23/2021
Data File: 824057.D

		Compound	MEAN	CCRF	%D		%Drift
1	HATM	Diesel (C10-C24)	2872160	2235650	22	HATML	3.2
2	HBTM	Motor Oil (C24-C40)	1808560	1899300	5.0	HBTM	
3	SA	Ortho-Terphenyl(S)	2781050	2775700	0.19	SA	
4	SA	Octacosane(S)	2114990	2111750	0.15	SA	
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		Average			6.8		

Quantitation Report (QT Reviewed)

Data File : G:\APOLLO\DATA\210824\824057.D Vial: 57
Acq On : 8-25-21 17:40:44 Operator: KA
Sample : Diesel Motor Oil CCV 8/24/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Aug 30 14:56 2021 Quant Results File: DOC0823.RES

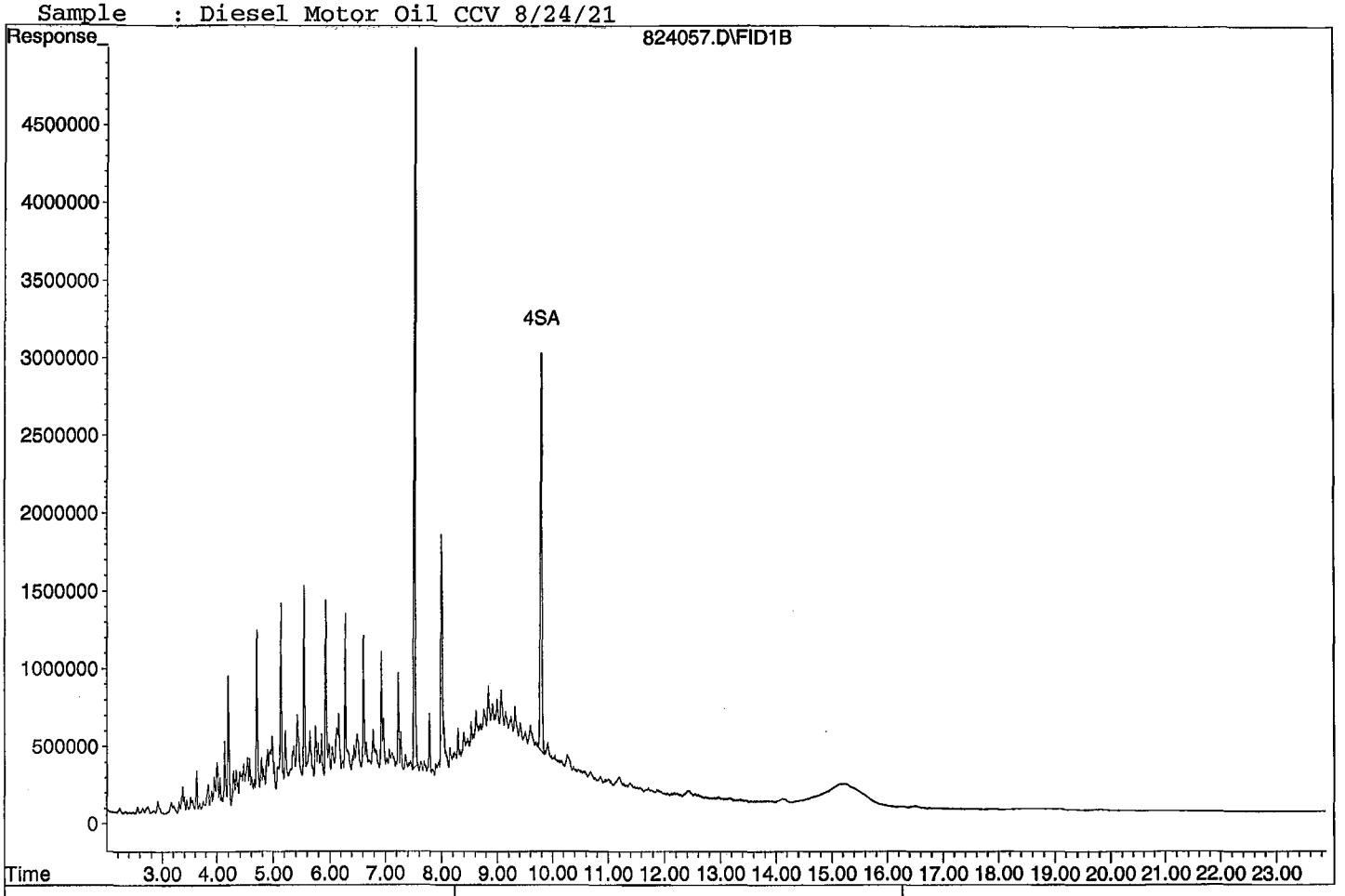
Method : G:\APOLLO\DATA\210823\DOC0823.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Sep 02 15:20:00 2021
Response via : Multiple Level Calibration

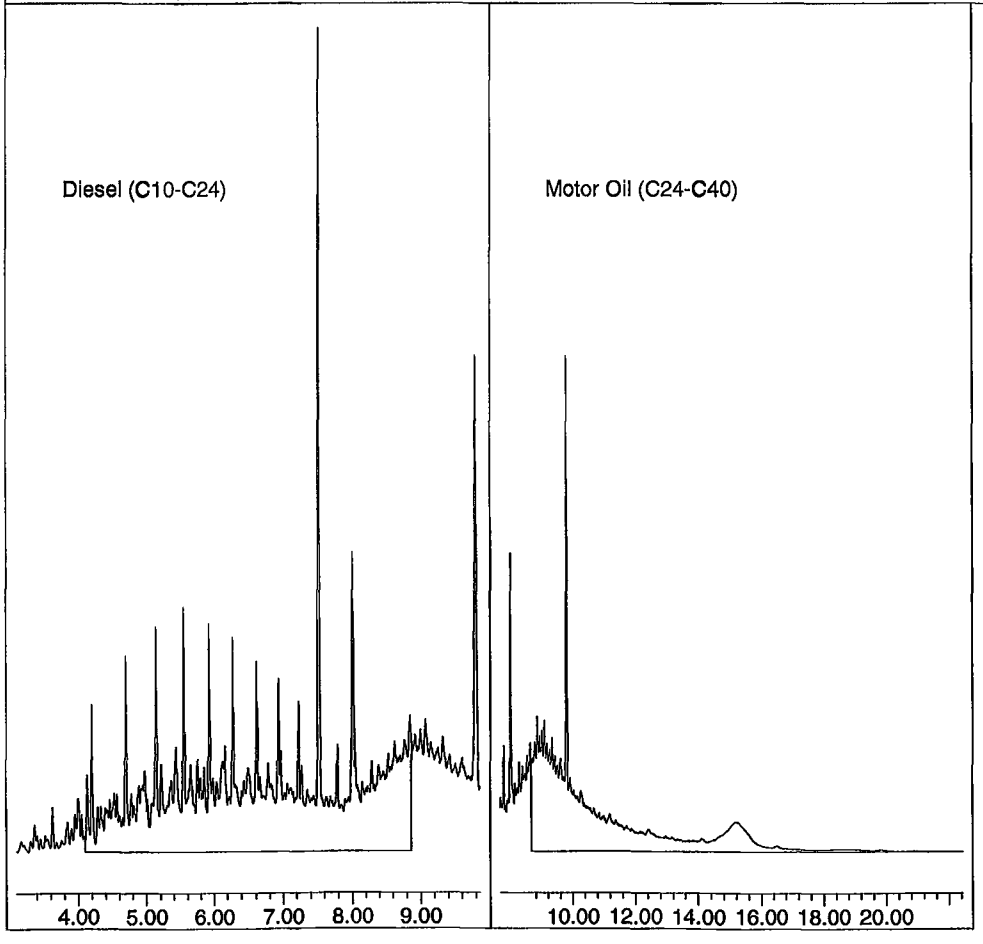
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.51	69392401	12.476 ppb
Surrogate Spike 30.000		Recovery =	41.59%
4) SA Octacosane(S)	9.79	52793841	12.481 ppb
Surrogate Spike 30.000		Recovery =	41.60%
Target Compounds			
1) HATM Diesel (C10-C24)	6.48	1117826595	258.051 ppb
2) HBTM Motor Oil (C24-C40)	15.05	949652121	262.543 ppb

Target Compounds

Data File: G:\APOLLO\DATA\210824\824057.D
Sample : Diesel Motor Oil CCV 8/24/21





TPH Extractables
DEC0712

Form 7

Continuing Calibration

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

SDG No:
Date Analyzed: 8/25/2021
Instrument: Apollo
Initial Cal. Date: 7/12/2021
Data File: 824058.D

		Compound	MEAN	CCRF	%D		%Drift
1	SC	Decanoic Acid(S)	1250250	1437360	15	SC	
2							
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33							
34							
35							
36							
37							
38							
39							
40							
		Average			15.0		

Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\210824\824058.D Vial: 58
Acq On : 8-25-21 18:09:12 Operator: KA
Sample : Decanoic Acid CCV 8/20/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Aug 30 14:56 2021 Quant Results File: DOC0823.RES

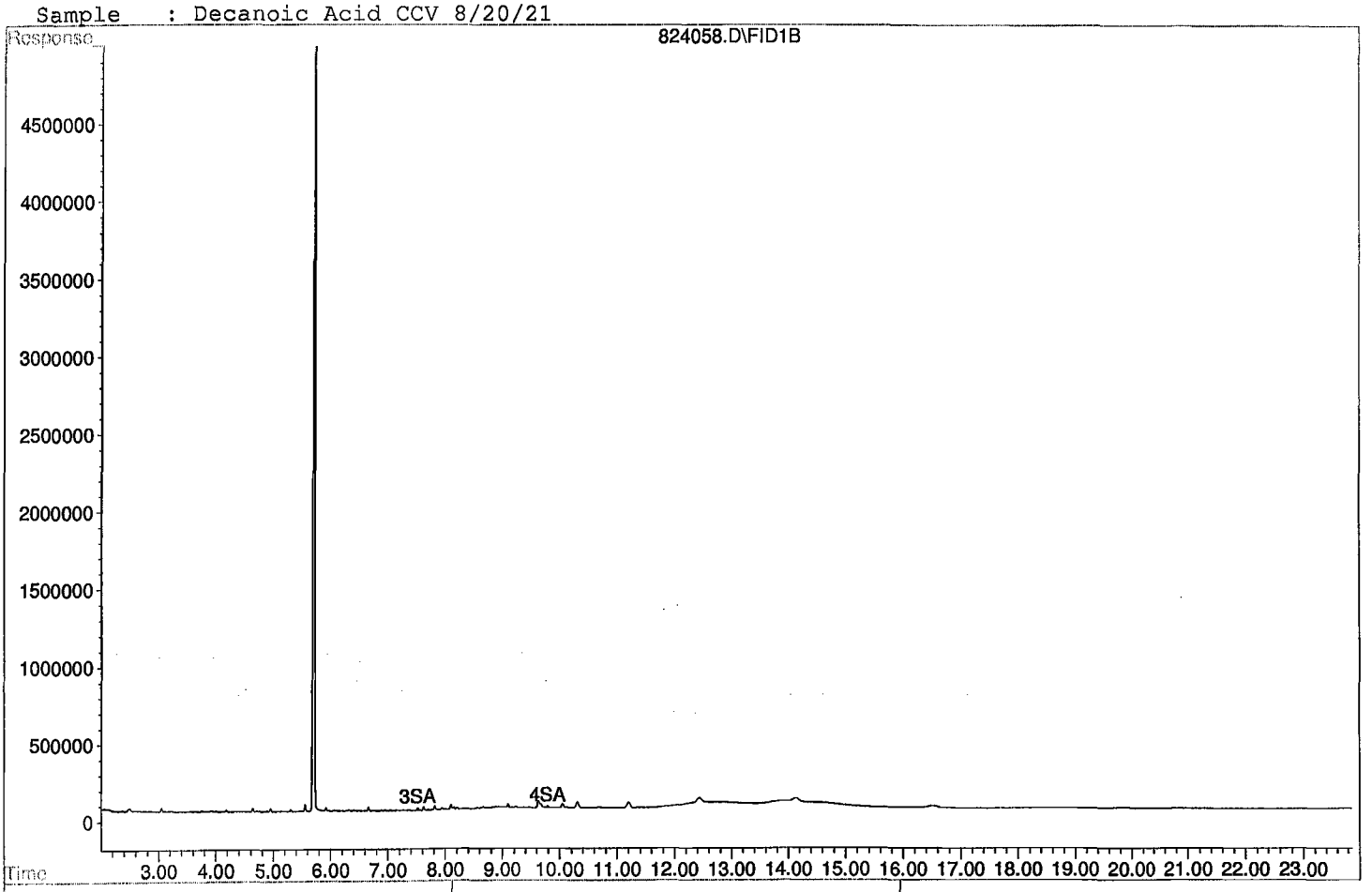
Method : G:\APOLLO\DATA\210823\DOC0823.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Sep 02 15:20:00 2021
Response via : Multiple Level Calibration

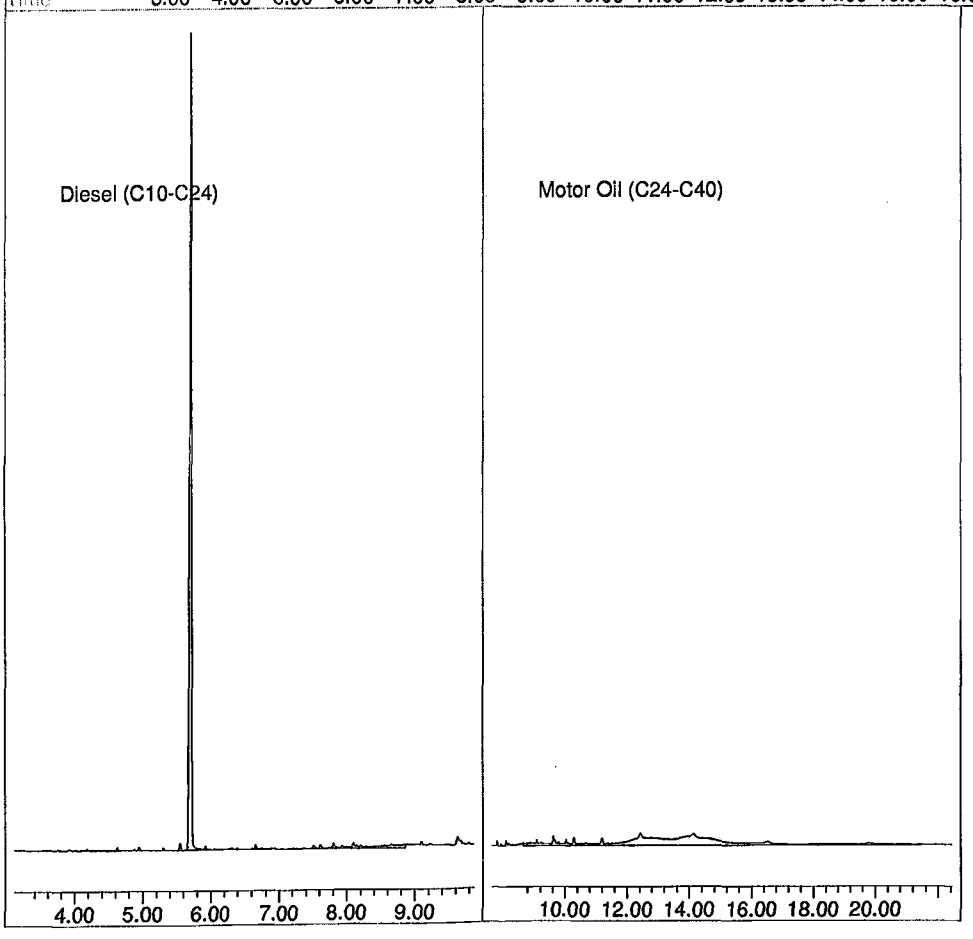
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.51	252893	0.045 ppb
Surrogate Spike 30.000	Recovery	=	0.15%
4) SA Octacosane(S)	9.79	132064	0.031 ppb
Surrogate Spike 30.000	Recovery	=	0.10%
Target Compounds			
1) HATM Diesel (C10-C24)	6.48	121690144	22.175 ppb
2) HBTM Motor Oil (C24-C40)	15.05	153159630	42.343 ppb
Target Compounds			

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

Data File: G:\APOLLO\DATA\210824\824058.D
Sample : Decanoic Acid CCV 8/20/21





TPH Extractables
DOC0823

Form 7
Continuing Calibration

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

SDG No:
Date Analyzed: 8/25/2021
Instrument: Apollo
Initial Cal. Date: 8/23/2021
Data File: 824067.D

		Compound	MEAN	CCRF	%D		%Drift
1	HATM	Diesel (C10-C24)	2872160	2279250	21	HATML	5.3
2	HBTM	Motor Oil (C24-C40)	1808560	1721280	4.8	HBTM	
3	SA	Ortho-Terphenyl(S)	2781050	2834740	1.9	SA	
4	SA	Octacosane(S)	2114990	2124880	0.47	SA	
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
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28							
29							
30							
31							
32							
33							
34							
35							
36							
37							
38							
39							
40							
		Average			7.0		

Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\210824\824067.D Vial: 67
Acq On : 8-25-21 22:26:38 Operator: KA
Sample : Diesel Motor Oil CCV 8/24/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Aug 30 14:56 2021 Quant Results File: DOC0823.RES

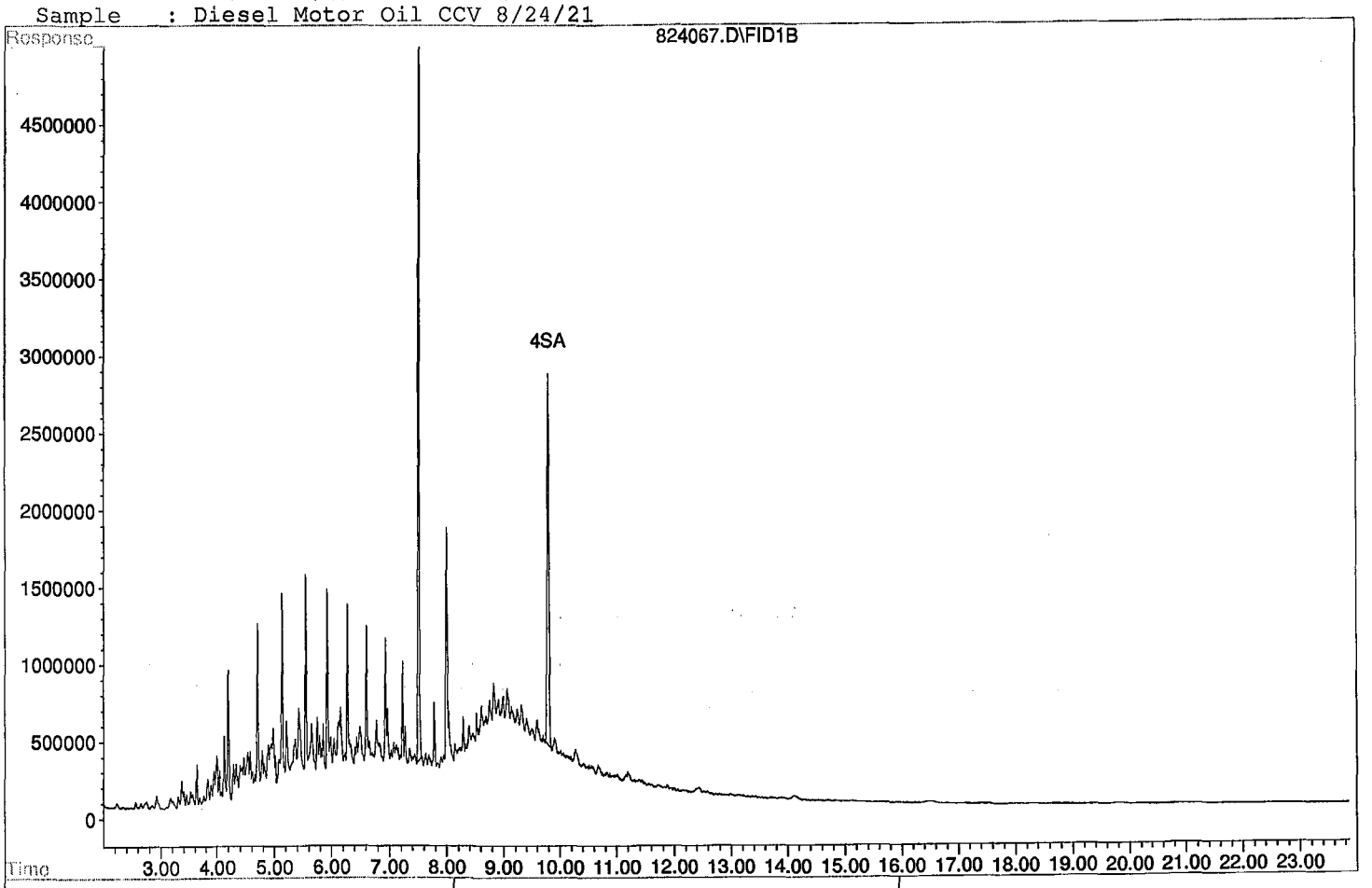
Method : G:\APOLLO\DATA\210823\DOC0823.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Sep 02 15:20:00 2021
Response via : Multiple Level Calibration

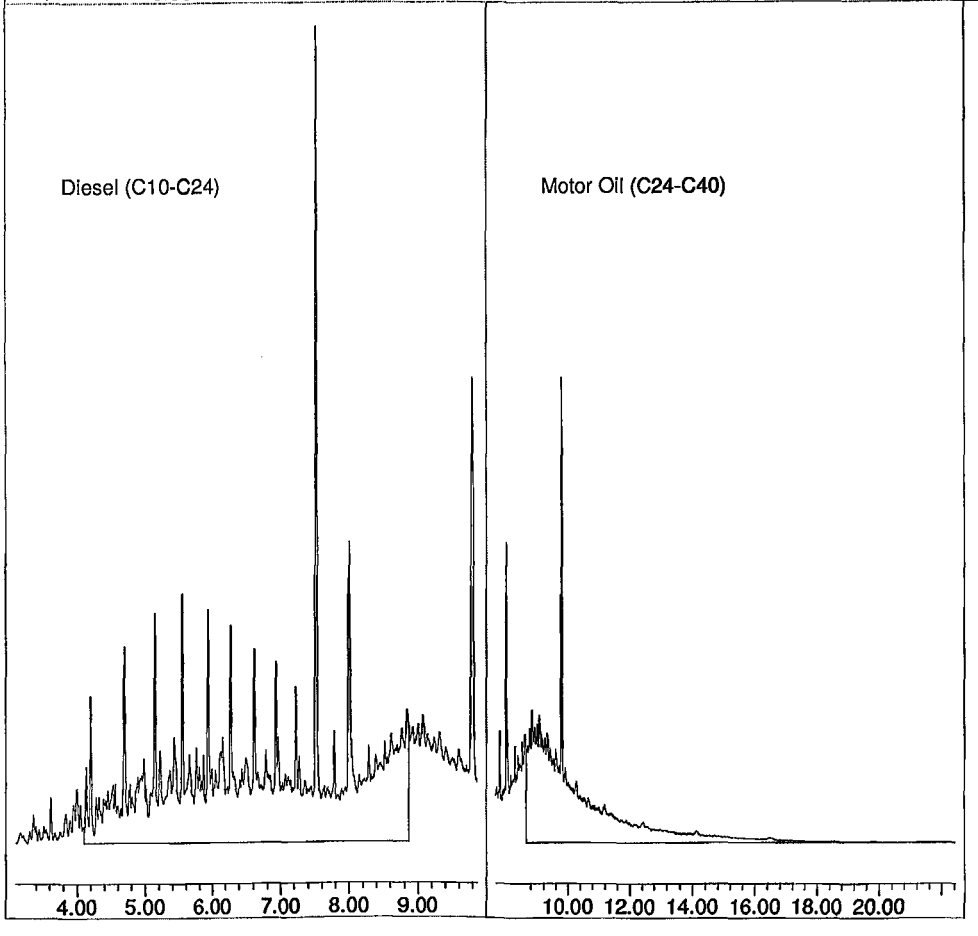
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.51	70868384	12.741 ppb
Surrogate Spike 30.000	Recovery =		42.47%
4) SA Octacosane(S)	9.79	53122001	12.558 ppb
Surrogate Spike 30.000	Recovery =		41.86%
Target Compounds			
1) HATM Diesel (C10-C24)	6.48	1139625614	263.213 ppb
2) HBTM Motor Oil (C24-C40)	15.05	860642179	237.935 ppb
Target Compounds			

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

Data File: G:\APOLLO\DATA\210824\824067.D
Sample : Diesel Motor Oil CCV 8/24/21





TPH Extractables
DEC0712

Form 7

Continuing Calibration

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

SDG No:
Date Analyzed: 8/25/2021
Instrument: Apollo
Initial Cal. Date: 7/12/2021
Data File: 824058.D

		Compound	MEAN	CCRF	%D	%Drift	
1	SC	Decanoic Acid(S)	1250250	1437360	15	SC	
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
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30							
31							
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33							
34							
35							
36							
37							
38							
39							
40							
		Average			15.0		

Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\210824\824058.D Vial: 58
Acq On : 8-25-21 18:09:12 Operator: KA
Sample : Decanoic Acid CCV 8/20/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Aug 30 14:56 2021 Quant Results File: DOC0823.RES

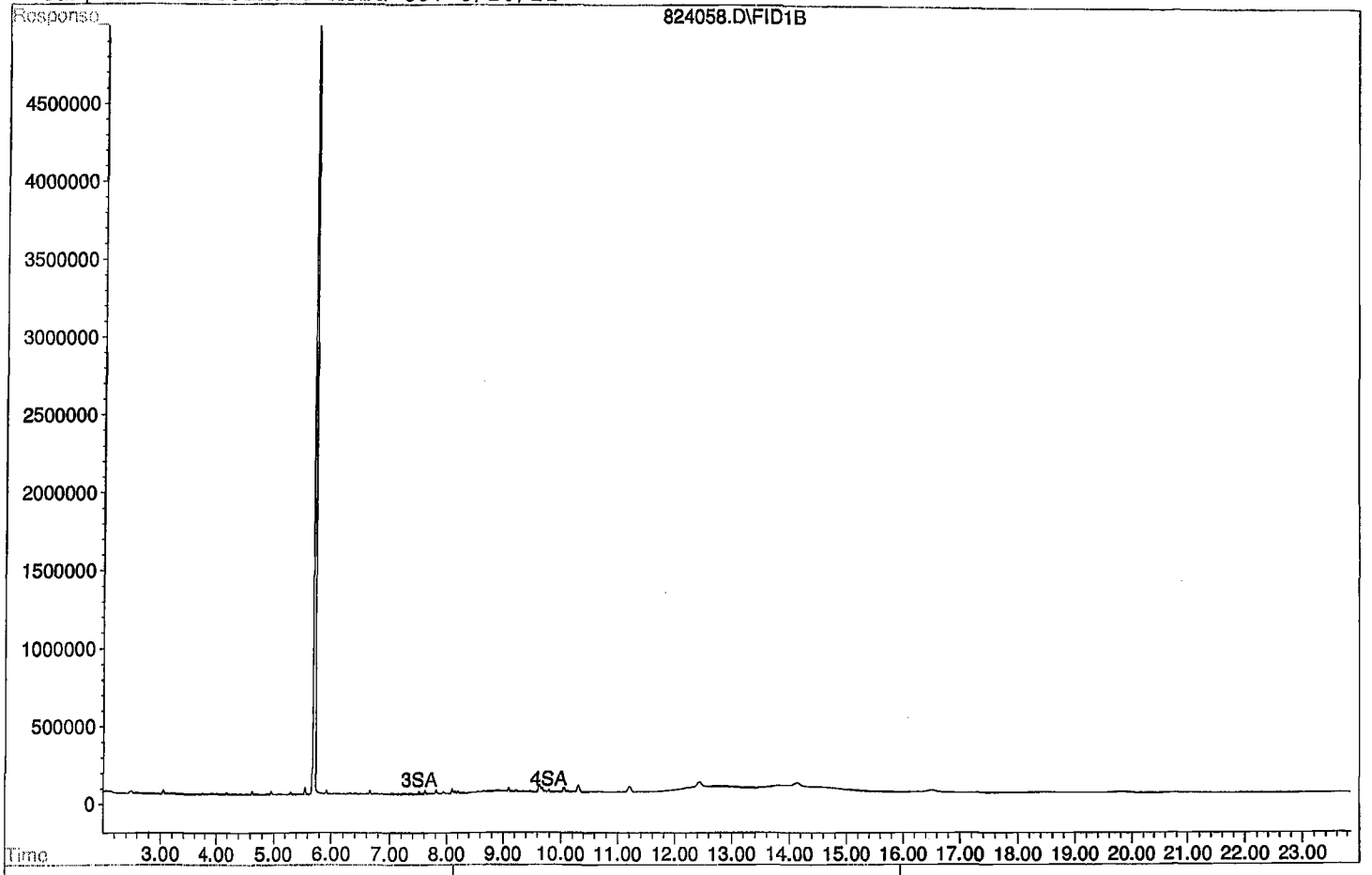
Method : G:\APOLLO\DATA\210823\DOC0823.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Sep 02 15:20:00 2021
Response via : Multiple Level Calibration

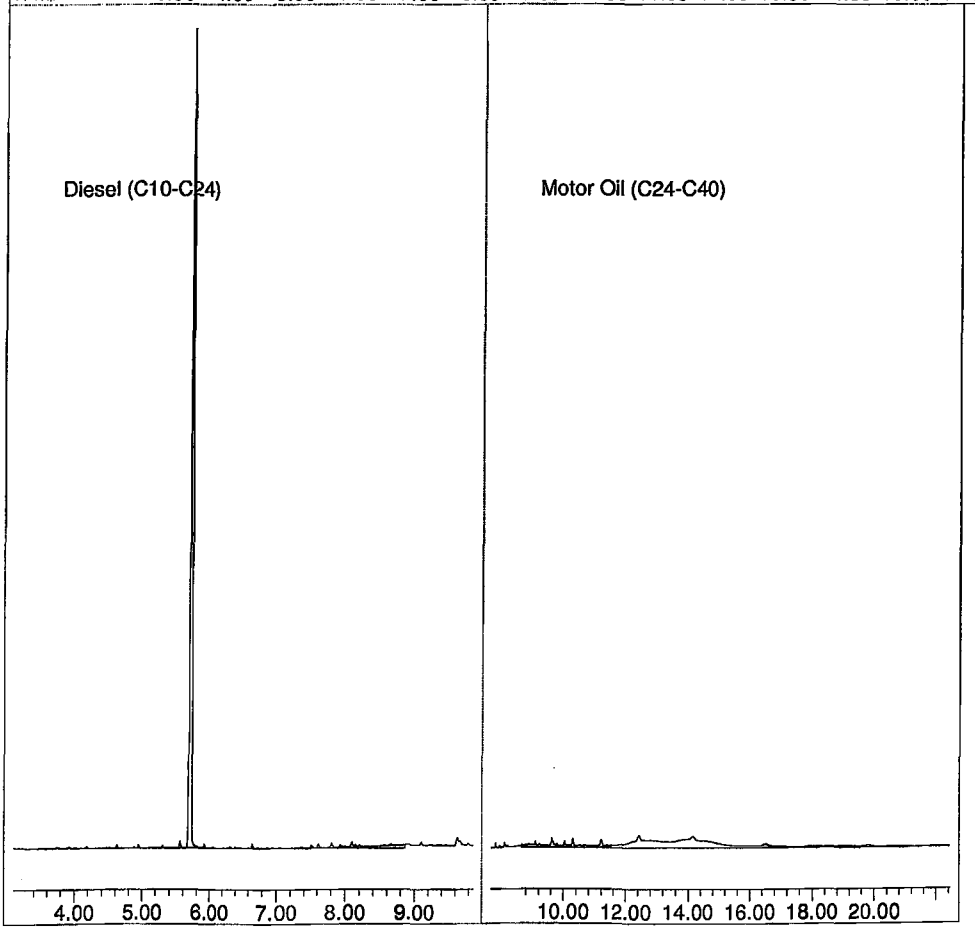
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.51	252893	0.045 ppb
Surrogate Spike 30.000	Recovery	=	0.15%
4) SA Octacosane(S)	9.79	132064	0.031 ppb
Surrogate Spike 30.000	Recovery	=	0.10%
Target Compounds			
1) HATM Diesel (C10-C24)	6.48	121690144	22.175 ppb
2) HBTM Motor Oil (C24-C40)	15.05	153159630	42.343 ppb
Target Compounds			

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

Data File: G:\APOLLO\DATA\210824\824058.D
Sample : Decanoic Acid CCV 8/20/21





TPH Extractables
DEC0712

Form 7

Continuing Calibration

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

SDG No:
Date Analyzed: 8/25/2021
Instrument: Apollo
Initial Cal. Date: 7/12/2021
Data File: 824068.D

		Compound	MEAN	CCRF	%D	%Drift	
1	SC	Decanoic Acid(S)	1250250	1410580	13	SC	
2							
3							
4							
5							
6							
7							
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31							
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33							
34							
35							
36							
37							
38							
39							
40							
		Average			13.0		

Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\210824\824068.D Vial: 68
Acq On : 8-25-21 22:55:15 Operator: KA
Sample : Decanoic Acid CCV 8/20/21 Inst : Apollo
Misc : Water Multiplr: 1.00
IntFile : events.e
Quant Time: Aug 30 14:56 2021 Quant Results File: DOC0823.RES

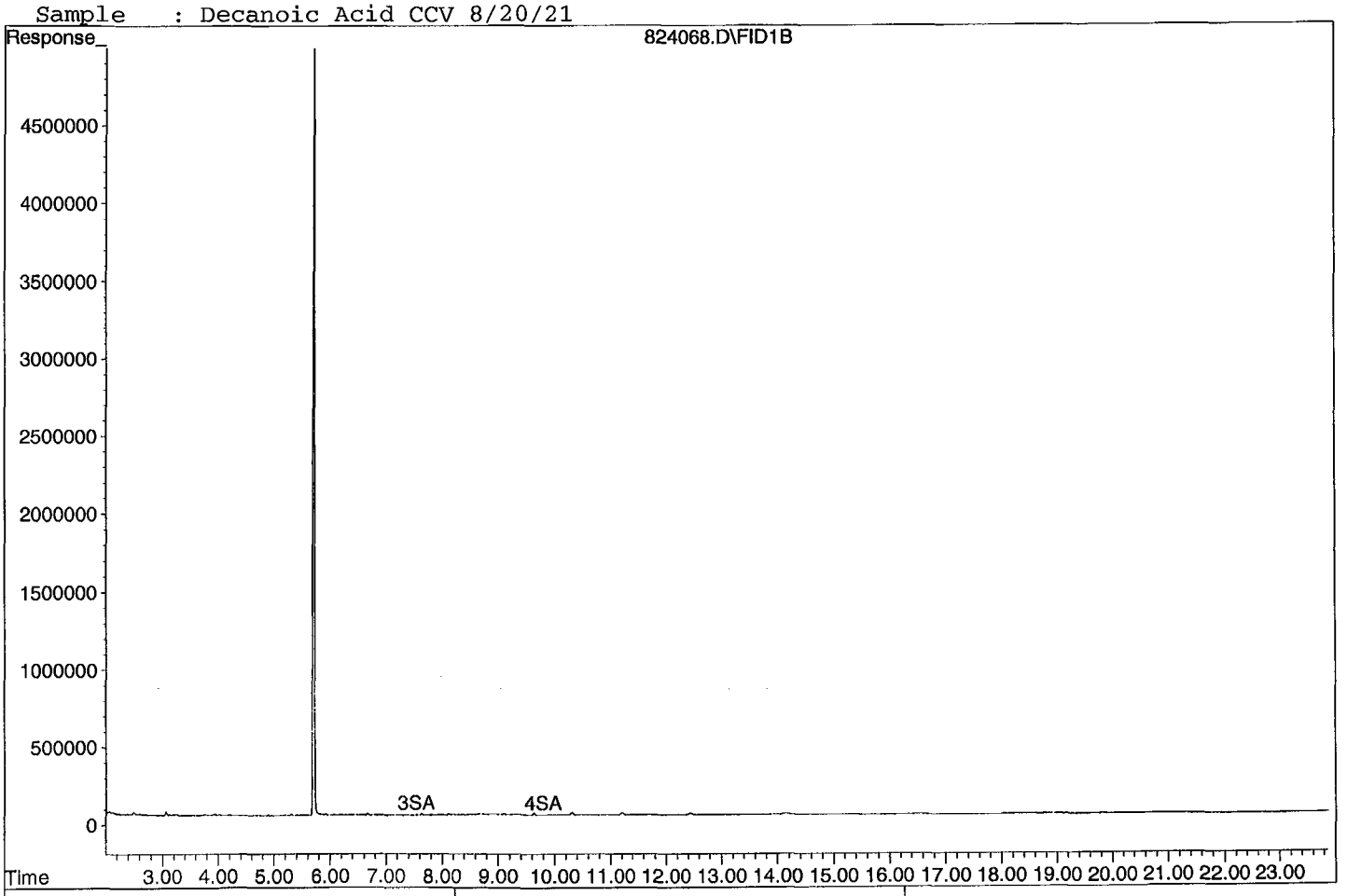
Method : G:\APOLLO\DATA\210823\DOC0823.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Sep 02 15:20:00 2021
Response via : Multiple Level Calibration

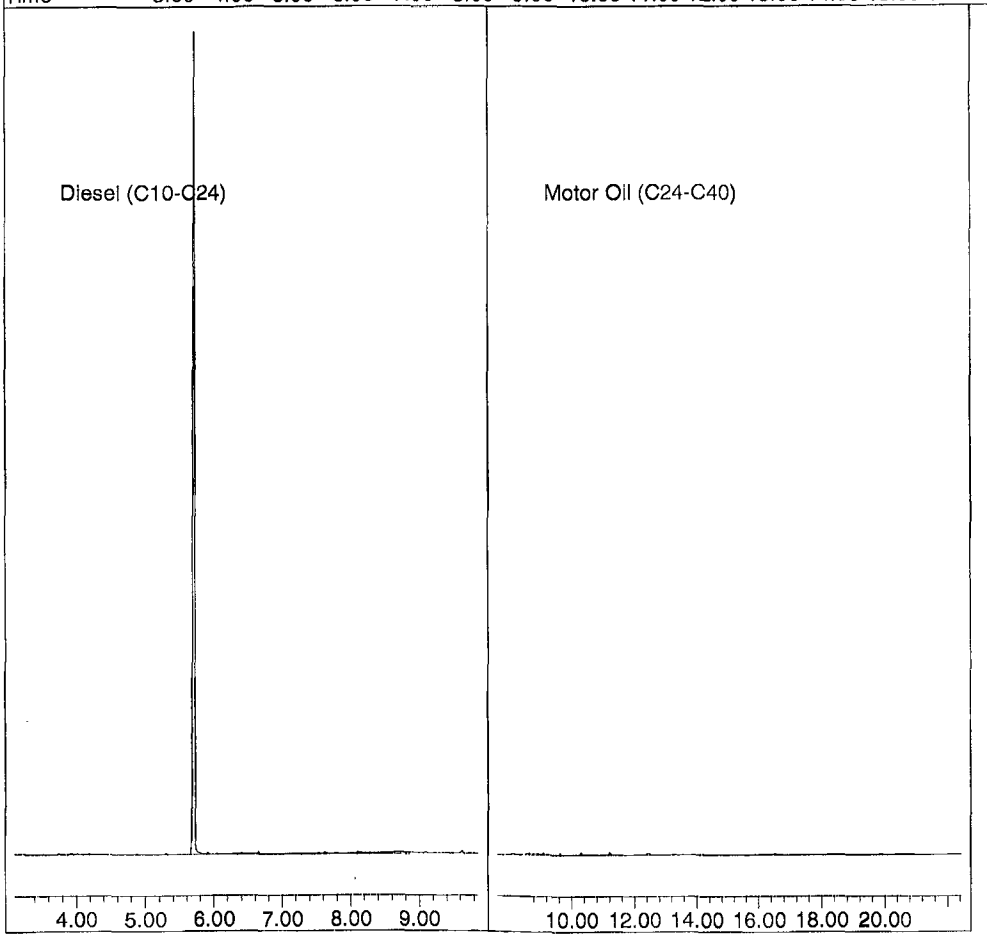
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.54	54432	0.010 ppb
Surrogate Spike 30.000	Recovery	=	0.03%
4) SA Octacosane(S)	9.80	14808	0.004 ppb
Surrogate Spike 30.000	Recovery	=	0.01%
Target Compounds			
1) HATM Diesel (C10-C24)	6.48	110333839	19.486 ppb
2) HBTM Motor Oil (C24-C40)	15.05	22256650	6.153 ppb
Target Compounds			

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

Data File: G:\APOLLO\DATA\210824\824068.D
Sample : Decanoic Acid CCV 8/20/21





ORGANICS

Raw Data

Quantitation Report (QT Reviewed)

Data File : G:\APOLLO\DATA\210824\824063.D Vial: 63
Acq On : 8-25-21 20:32:02 Operator: KA
Sample : BA37422W07 5/1000 SG Inst : Apollo
Misc : water Multiplr: 5.00
IntFile : events.e
Quant Time: Aug 30 14:56 2021 Quant Results File: DOC0823.RES

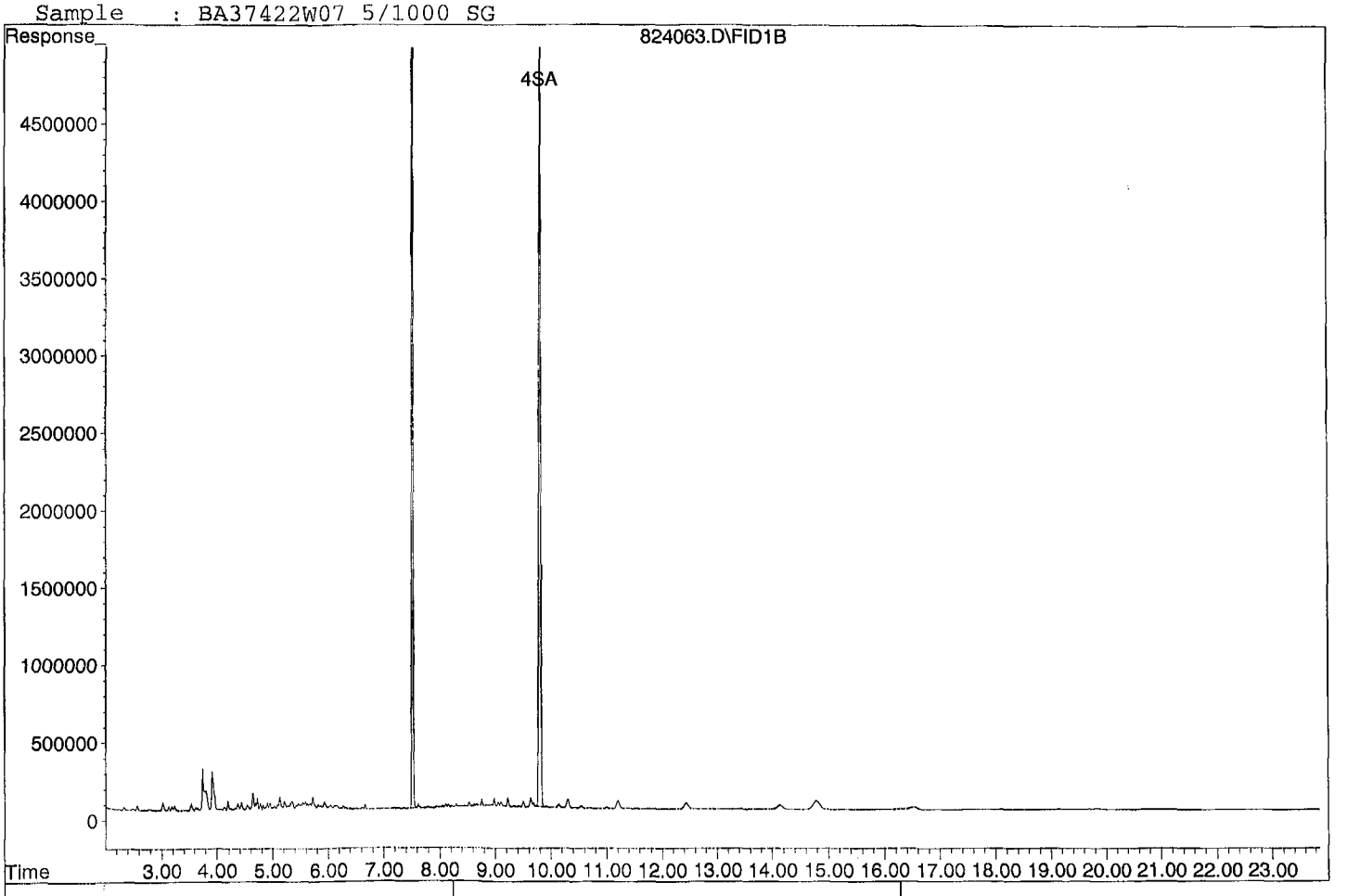
Method : G:\APOLLO\DATA\210823\DOC0823.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Sep 02 15:20:00 2021
Response via : Multiple Level Calibration

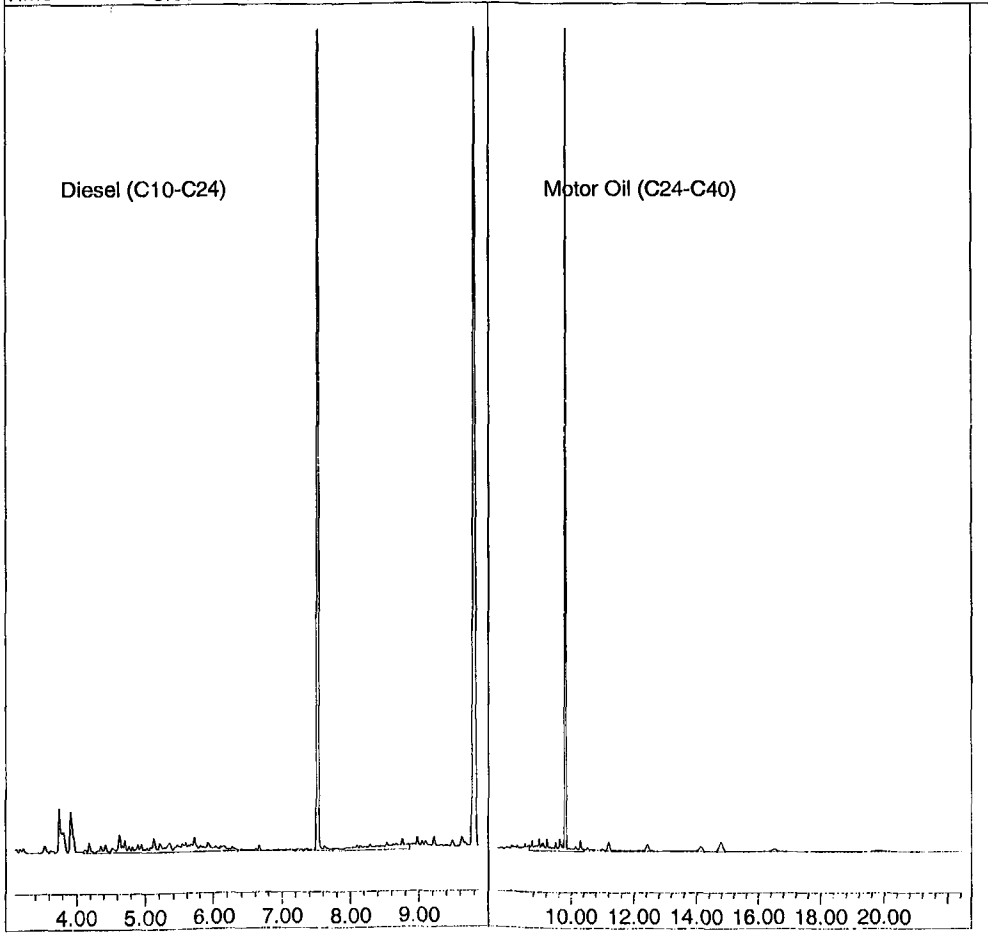
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.51	119244848	107.194 ppb
Surrogate Spike 150.000		Recovery =	71.46%
4) SA Octacosane(S)	9.79	113097045	133.685 ppb
Surrogate Spike 150.000		Recovery =	89.12%
Target Compounds			
1) HATM Diesel (C10-C24)	6.48	62667627	40.997 ppb
2) HBTM Motor Oil (C24-C40)	15.05	62880297	86.920 ppb
Target Compounds			

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

Data File: G:\APOLLO\DATA\210824\824063.D
Sample : BA37422W07 5/1000 SG





Quantitation Report (QT Reviewed)

Data File : G:\APOLLO\DATA\210824\824064.D Vial: 64
Acq On : 8-25-21 21:00:38 Operator: KA
Sample : BA37425W08 5/1010 SG Inst : Apollo
Misc : water Multiplr: 4.95
IntFile : events.e
Quant Time: Aug 30 14:56 2021 Quant Results File: DOC0823.RES

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

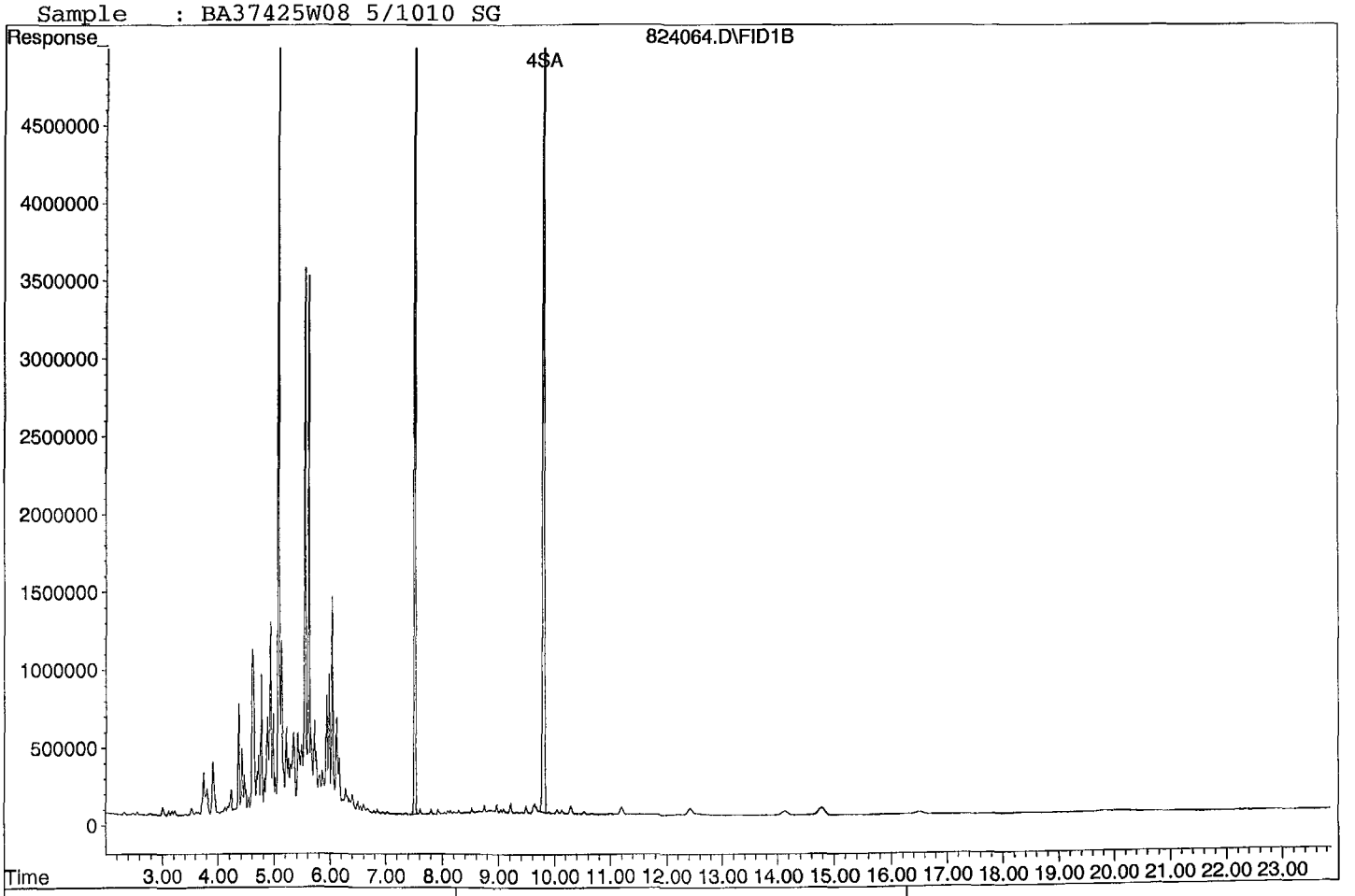
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

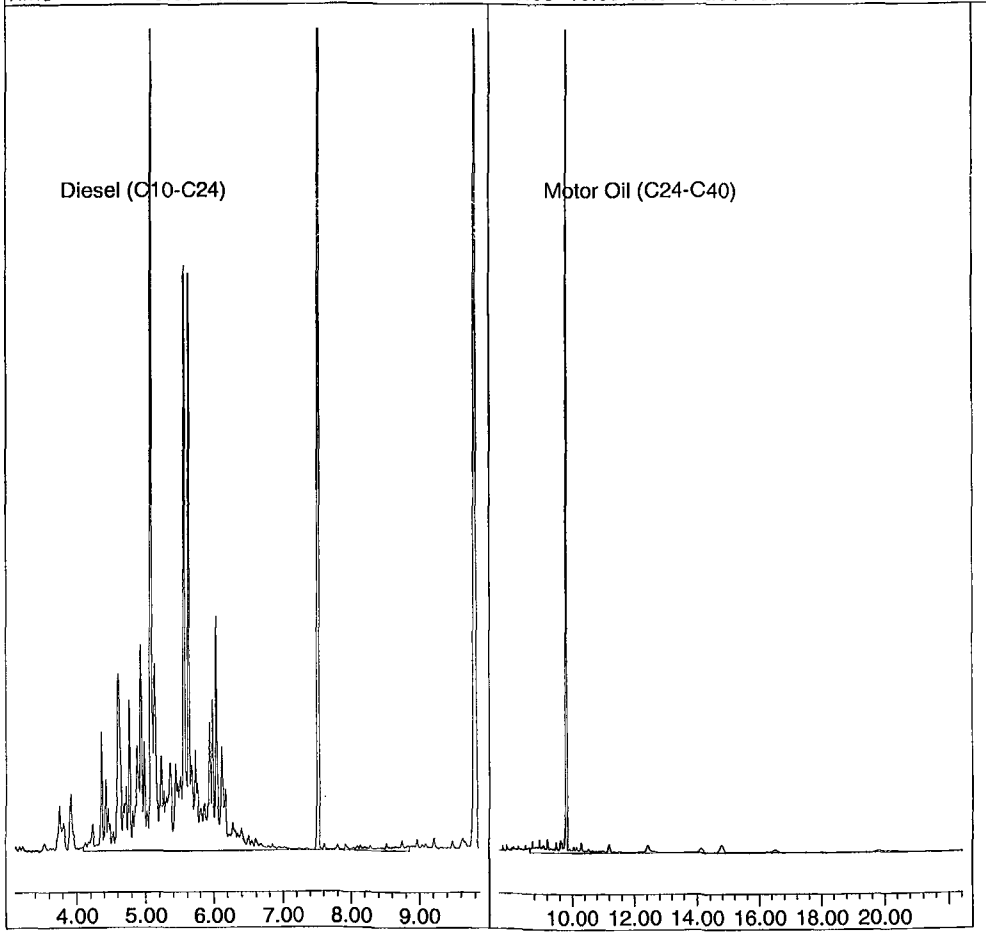
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.51	123531369	109.948 ppb
Surrogate Spike 148.515		Recovery =	74.03%
4) SA Octacosane(S)	9.79	114274348	133.739 ppb
Surrogate Spike 148.515		Recovery =	90.05%
Target Compounds			
1) HATM Diesel (C10-C24)	6.48	606501655	678.091 ppb
2) HBTM Motor Oil (C24-C40)	15.05	71408505	97.732 ppb

Target Compounds

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

Data File: G:\APOLLO\DATA\210824\824064.D
Sample : BA37425W08 5/1010 SG





Quantitation Report (QT Reviewed)

Data File : G:\APOLLO\DATA\210824\824065.D Vial: 65
Acq On : 8-25-21 21:29:16 Operator: KA
Sample : BA37428W08 5/1020 SG Inst : Apollo
Misc : water Multiplr: 4.90
IntFile : events.e
Quant Time: Aug 30 14:56 2021 Quant Results File: DOC0823.RES

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

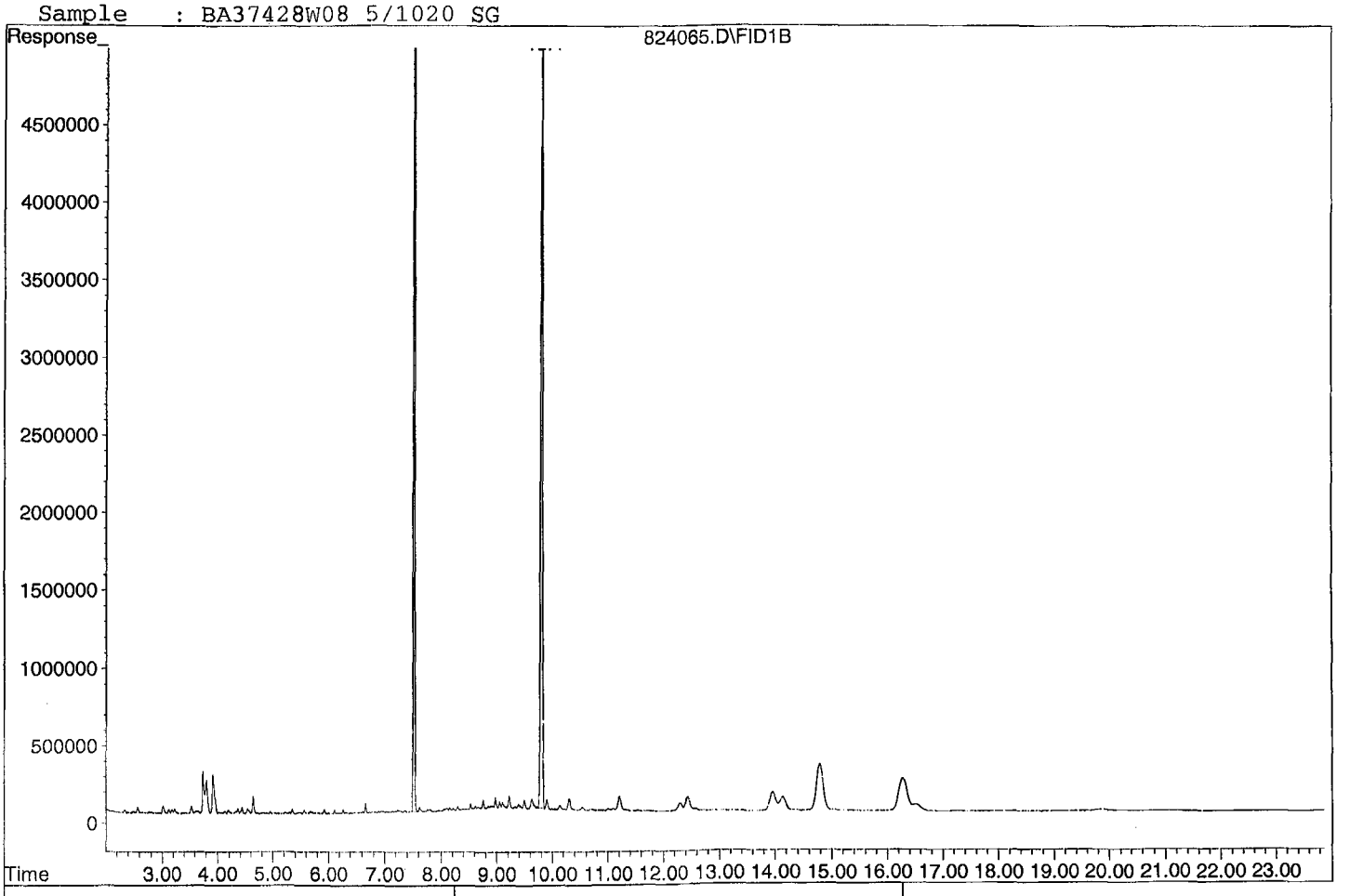
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

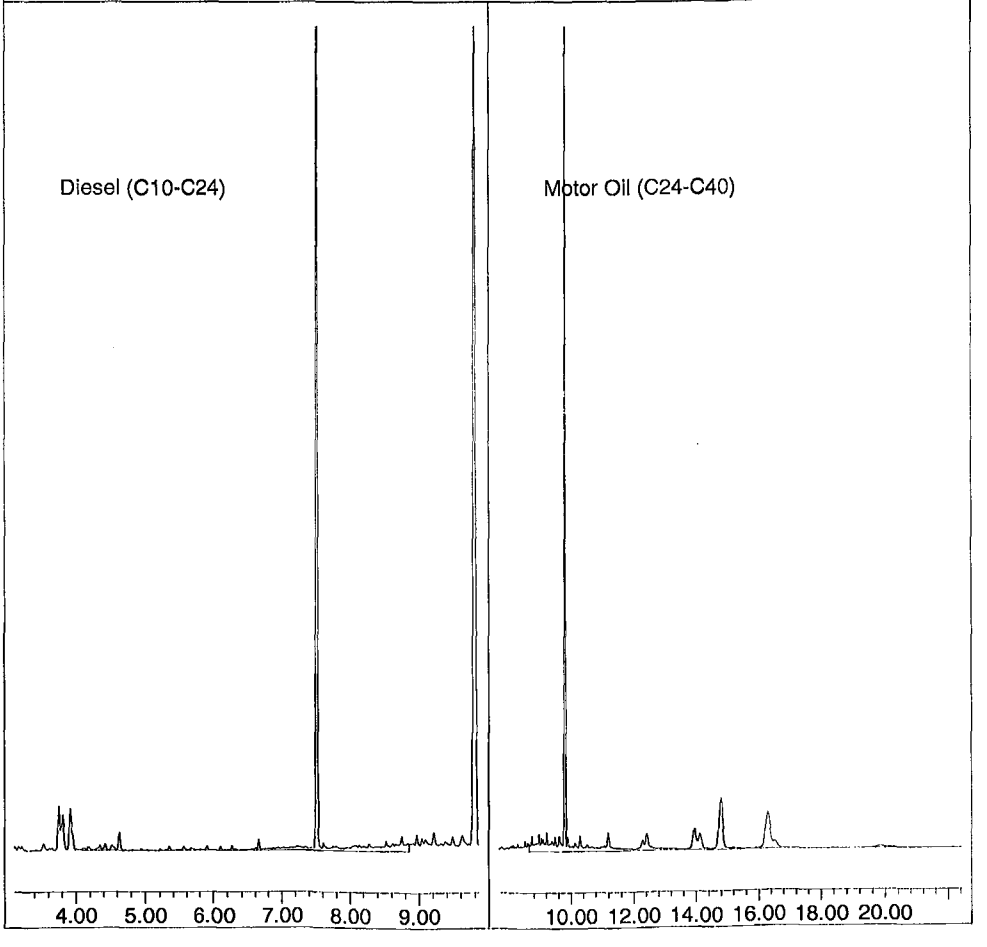
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.51	118750165	104.656 ppb
Surrogate Spike 147.059		Recovery =	71.17%
4) SA Octacosane(S)	9.79	119123765	138.048 ppb
Surrogate Spike 147.059		Recovery =	93.87%
Target Compounds			
1) HATM Diesel (C10-C24)	6.48	46000557	20.847 ppb
2) HBTM Motor Oil (C24-C40)	15.05	178087138	241.345 ppb

Target Compounds

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

Data File: G:\APOLLO\DATA\210824\824065.D
Sample : BA37428W08 5/1020 SG





Quantitation Report (QT Reviewed)

Data File : G:\APOLLO\DATA\210824\824066.D Vial: 66
Acq On : 8-25-21 21:57:56 Operator: KA
Sample : BA37431W08 5/1040 SG Inst : Apollo
Misc : water Multiplr: 4.81
IntFile : events.e
Quant Time: Aug 30 14:56 2021 Quant Results File: DOC0823.RES

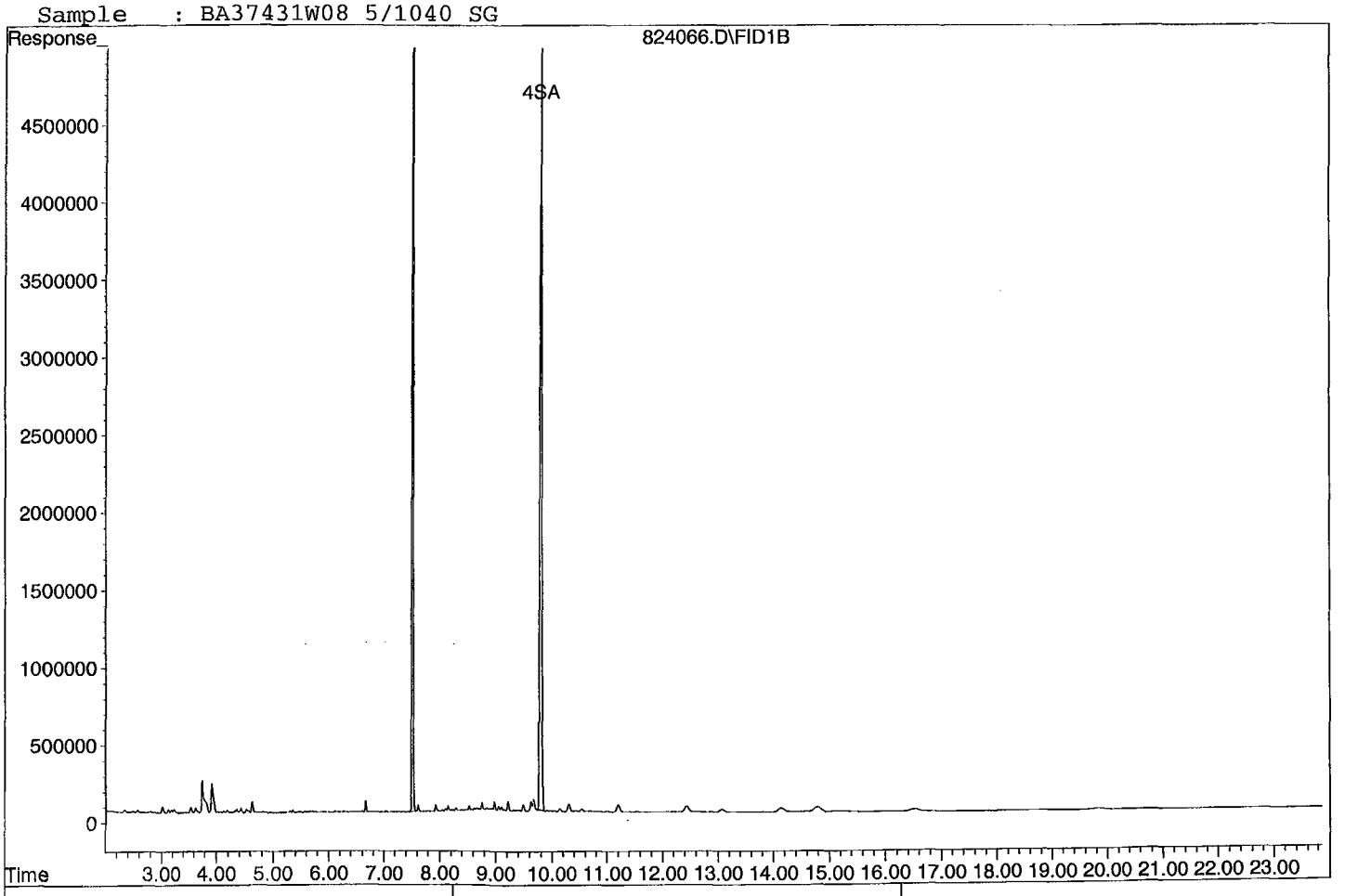
Method : G:\APOLLO\DATA\210823\DOC0823.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Sep 02 15:20:00 2021
Response via : Multiple Level Calibration

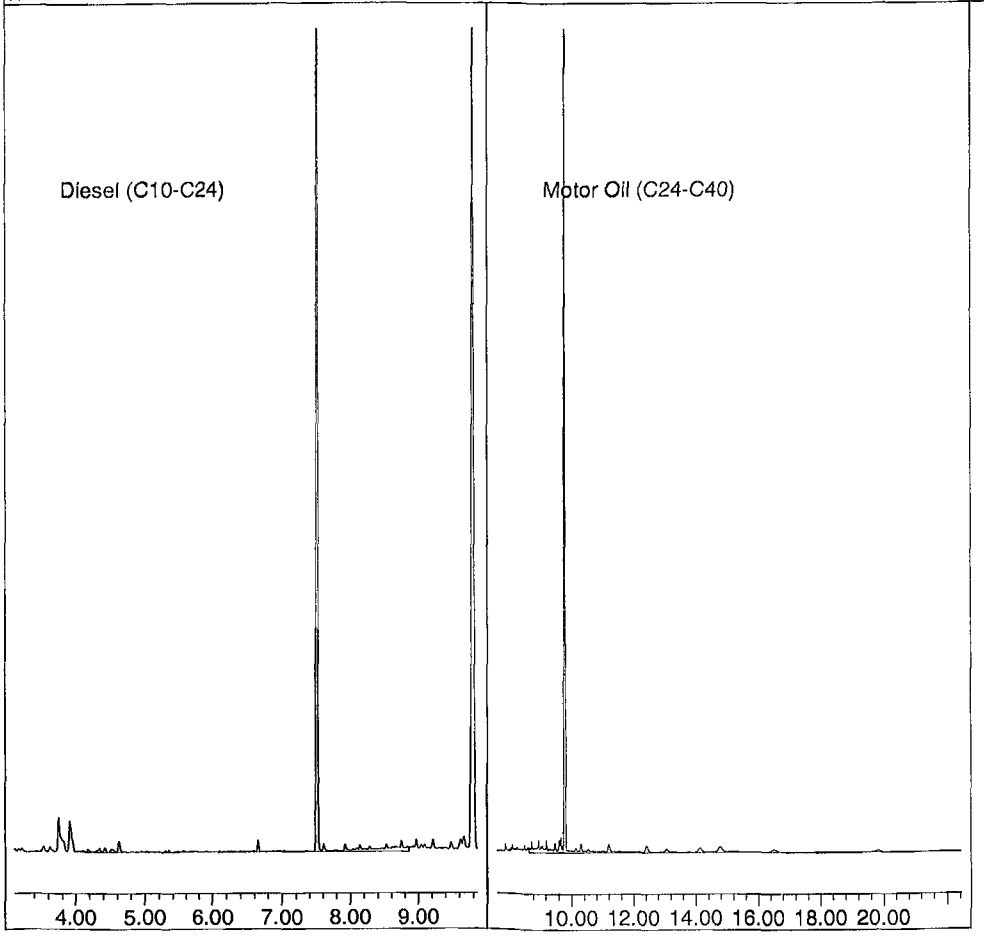
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.51	121504226	105.024 ppb
Surrogate Spike 144.231		Recovery =	72.82%
4) SA Octacosane(S)	9.79	111216206	126.405 ppb
Surrogate Spike 144.231		Recovery =	87.64%
Target Compounds			
2) HBTM Motor Oil (C24-C40)	15.05	66416371	88.277 ppb
Target Compounds			
1) HATM Diesel (C10-C24)	6.48	24417737	N.D. ppb

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

Data File: G:\APOLLO\DATA\210824\824066.D
Sample : BA37431W08 5/1040 SG





Quantitation Report (QT Reviewed)

Data File : G:\APOLLO\DATA\210824\824059.D
Acq On : 8-25-21 18:37:37
Sample : 210811A BLK 5/1000 SG
Misc : water
IntFile : events.e
Quant Time: Aug 30 14:56 2021 Quant Results File: DOC0823.RES

Vial: 59
Operator: KA
Inst : Apollo
Multiplr: 5.00

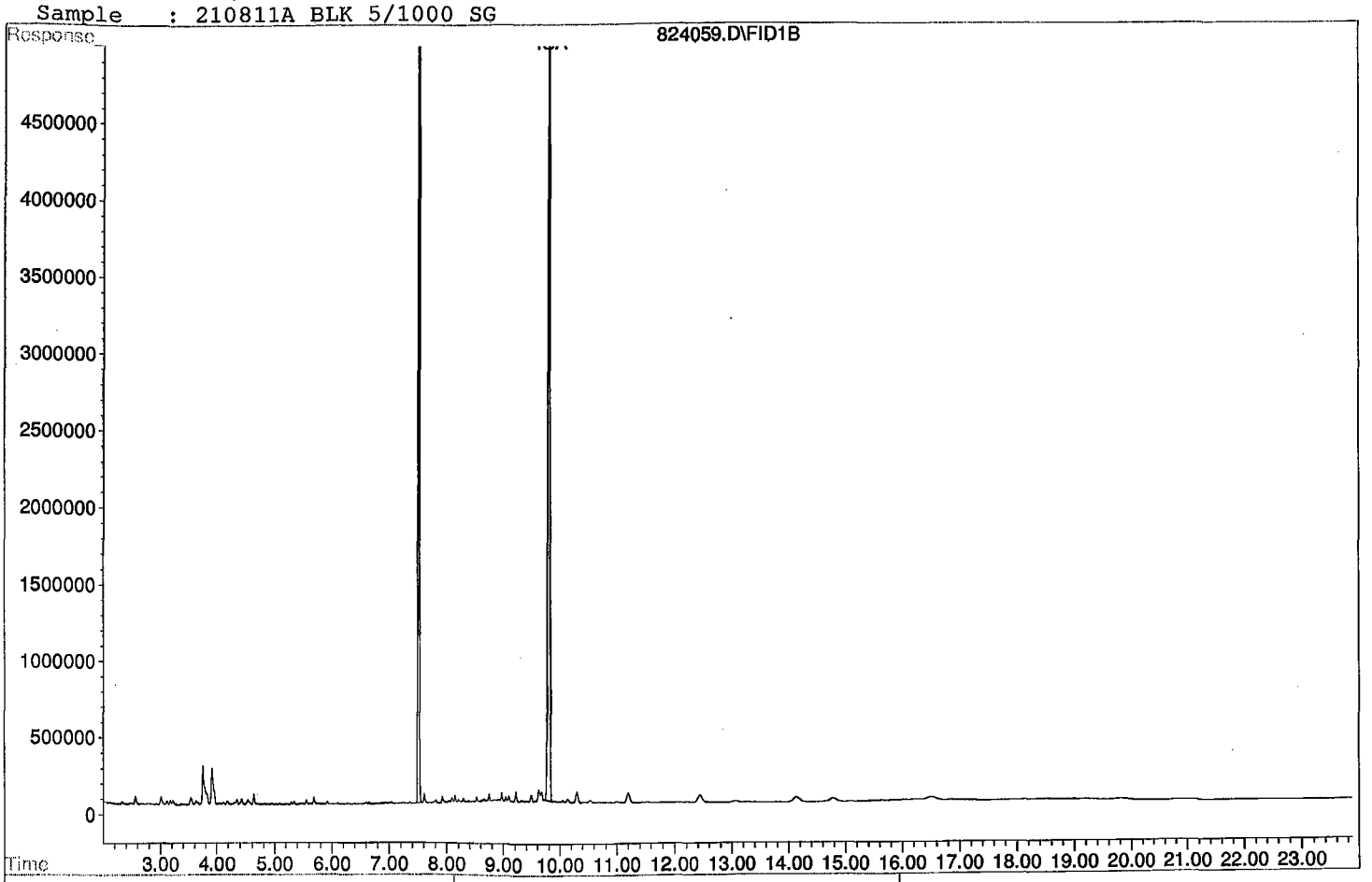
Method : G:\APOLLO\DATA\210823\DOC0823.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Sep 02 15:20:00 2021
Response via : Multiple Level Calibration

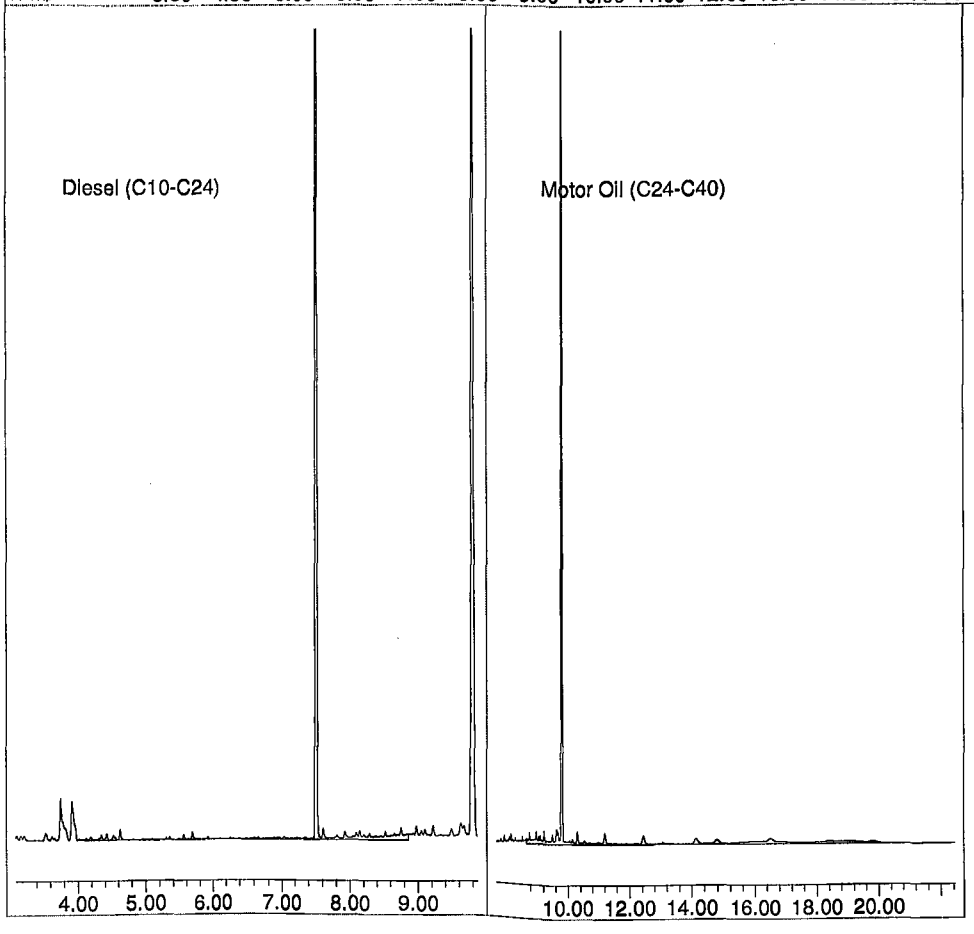
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.51	129046864	116.006 ppb
Surrogate Spike 150.000		Recovery =	77.34%
4) SA Octacosane(S)	9.79	118833591	140.466 ppb
Surrogate Spike 150.000		Recovery =	93.64%
Target Compounds			
1) HATM Diesel (C10-C24)	6.48	33693630	6.694 ppb
2) HBTM Motor Oil (C24-C40)	15.05	100623236	139.093 ppb
Target Compounds			

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

Data File: G:\APOLLO\DATA\210824\824059.D
Sample : 210811A BLK 5/1000 SG





Quantitation Report (QT Reviewed)

Data File : G:\APOLLO\DATA\210824\824060.D Vial: 60
Acq On : 8-25-21 19:06:12 Operator: KA
Sample : 210811A LCS-1 5/1000 SG Inst : Apollo
Misc : water Multiplr: 5.00
IntFile : events.e
Quant Time: Aug 30 14:56 2021 Quant Results File: DOC0823.RES

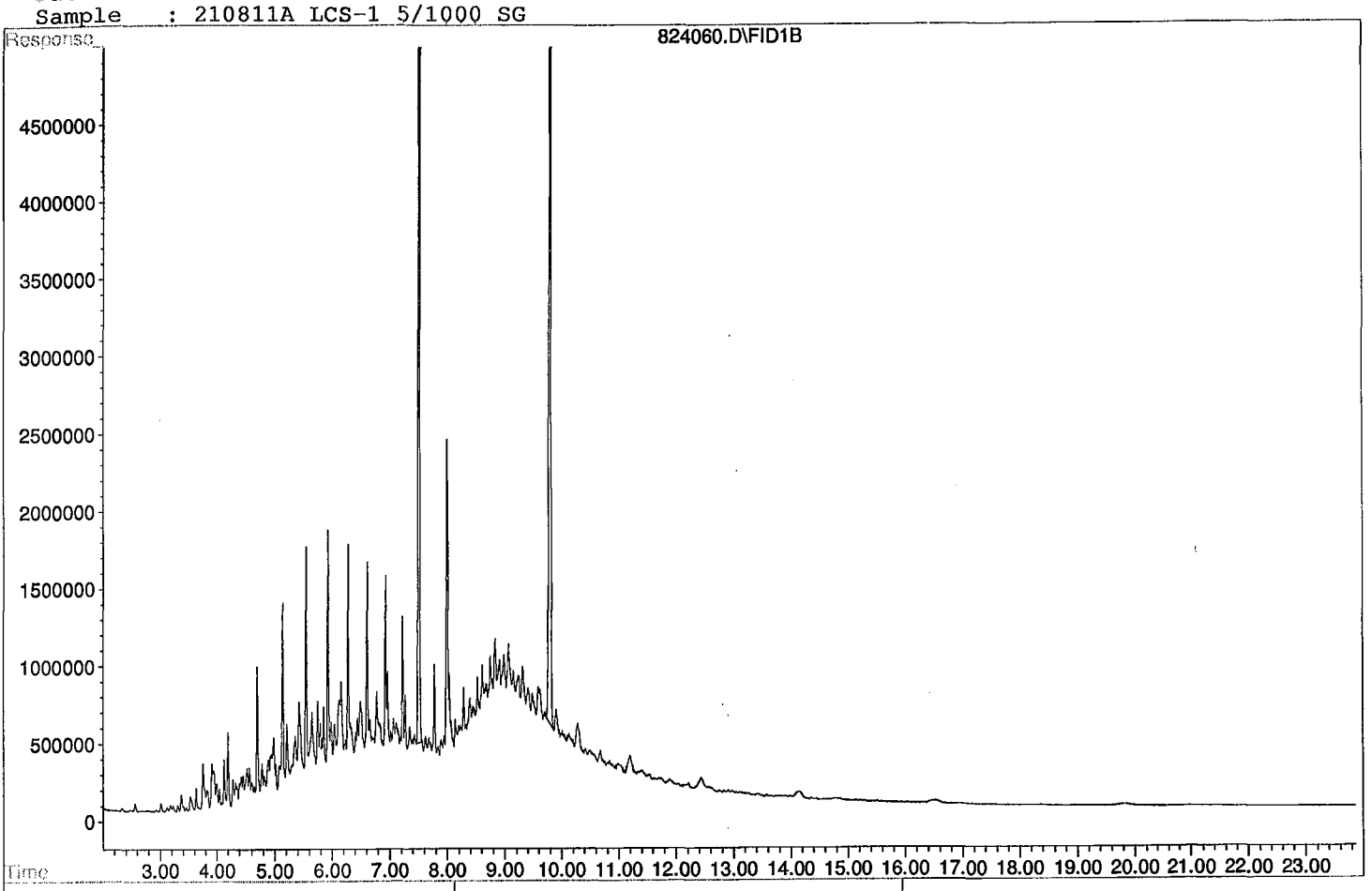
Method : G:\APOLLO\DATA\210823\DOC0823.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Sep 02 15:20:00 2021
Response via : Multiple Level Calibration

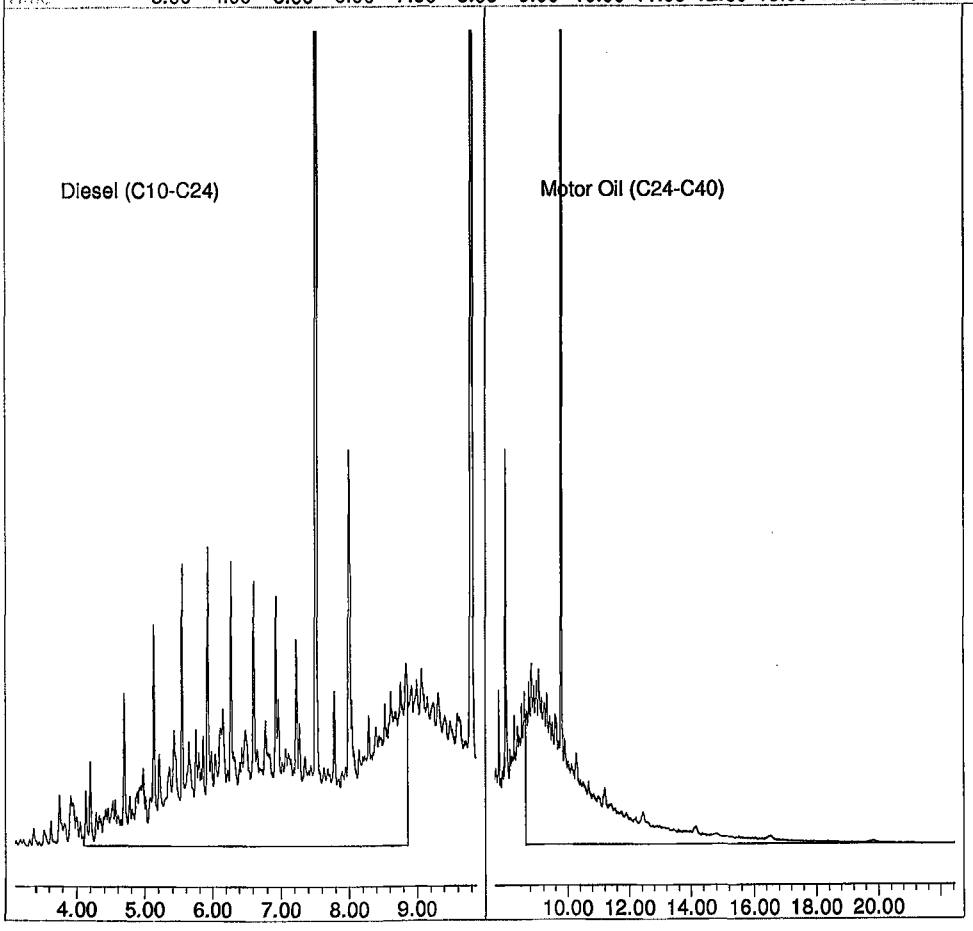
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.51	142463754	128.067 ppb
Surrogate Spike 150.000		Recovery =	85.38%
4) SA Octacosane(S)	9.80	118644921	140.243 ppb
Surrogate Spike 150.000		Recovery =	93.50%
Target Compounds			
1) HATM Diesel (C10-C24)	6.48	1428581389	1658.174 ppb
2) HBTM Motor Oil (C24-C40)	15.05	1191602865	1647.167 ppb
Target Compounds			

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

Data File: G:\APOLLO\DATA\210824\824060.D
Sample : 210811A LCS-1 5/1000 SG





Quantitation Report (QT Reviewed)

Data File : G:\APOLLO\DATA\210824\824061.D Vial: 61
Acq On : 8-25-21 19:34:40 Operator: KA
Sample : 210811A LCSD-1 5/1000 SG Inst : Apollo
Misc : water Multiplr: 5.00
IntFile : events.e
Quant Time: Aug 30 14:56 2021 Quant Results File: DOC0823.RES

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

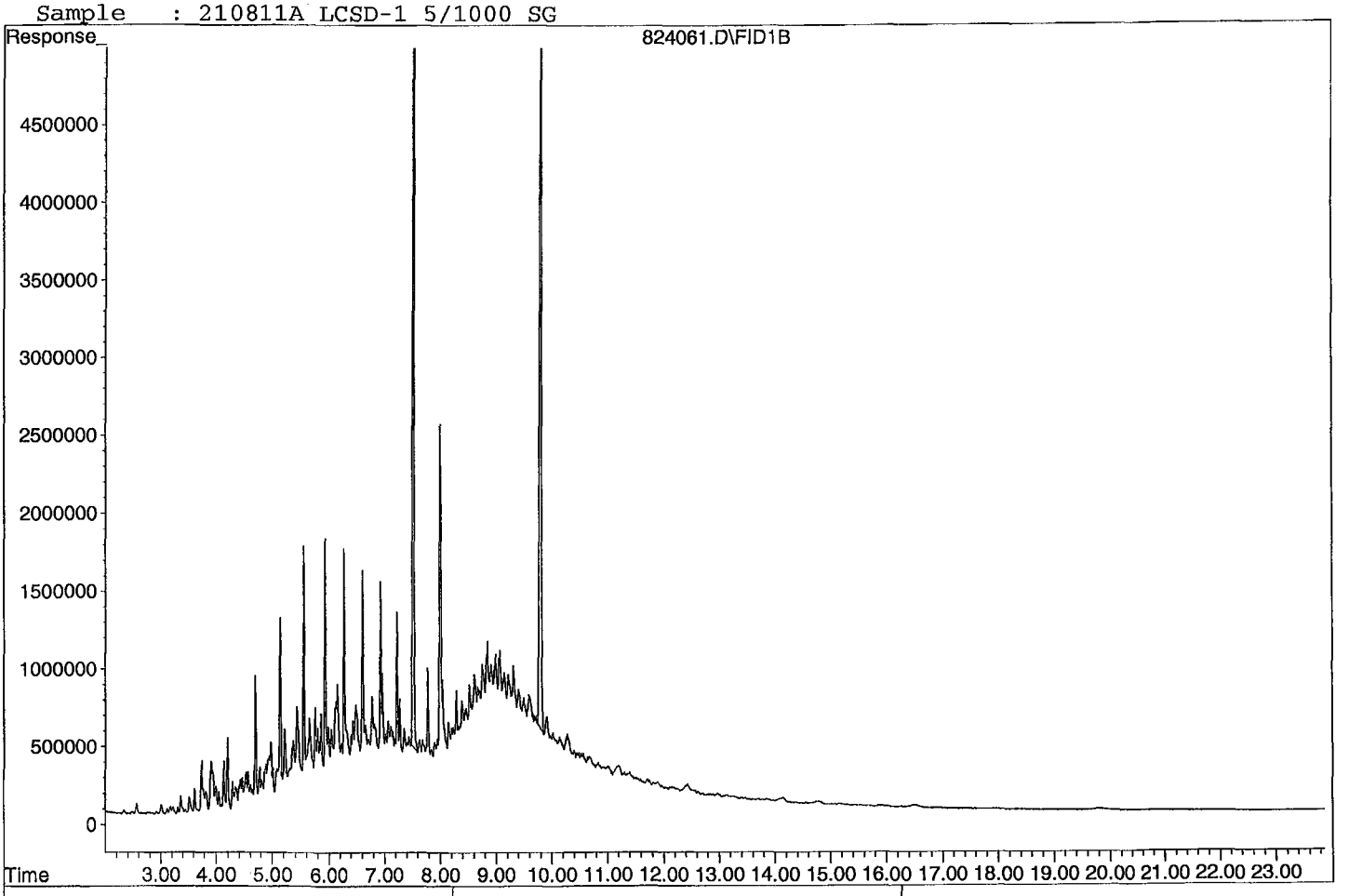
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

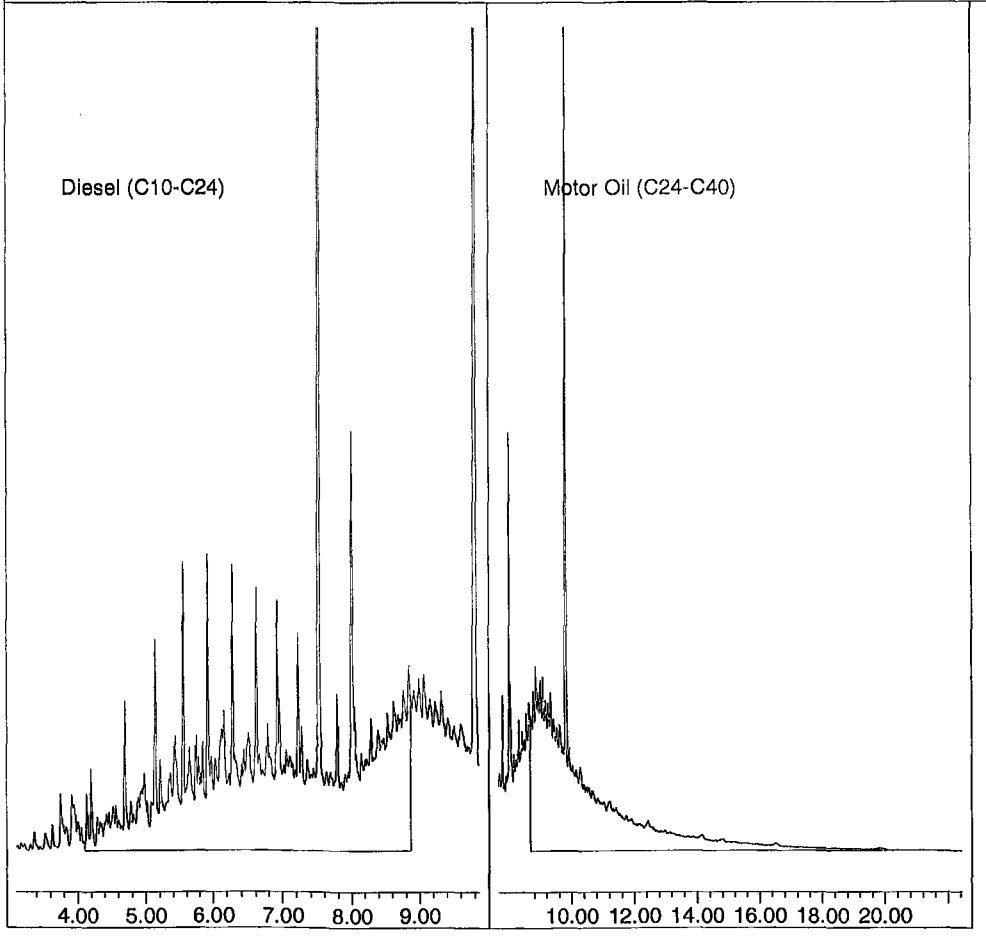
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.52	143581887	129.072 ppb
Surrogate Spike 150.000		Recovery =	86.05%
4) SA Octacosane(S)	9.80	118704249	140.313 ppb
Surrogate Spike 150.000		Recovery =	93.54%
Target Compounds			
1) HATM Diesel (C10-C24)	6.48	1429228809	1658.940 ppb
2) HBTM Motor Oil (C24-C40)	15.05	1208859398	1671.021 ppb

Target Compounds

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

Data File: G:\APOLLO\DATA\210824\824061.D
Sample : 210811A LCSD-1 5/1000 SG





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

Decanoic Acid Calibration Curve **Prep'd By (Initials)** **MB**

Prep Date 7/12/2021
Exp Date 7/12/2022

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

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: 8/24/2021
Expires: 8/24/2022

Prepared By (Initials): KA

Methylene Chloride
Lot No. 61117

Initial Standard Information							Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	APPL Mix Name	Conc. (ug/mL)	Reference to APPL Prep Date and Lot #'s	Exp. Date	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	**Prepared 8/23/21 A0164485-52662, A0165510-52666, CL16893-52844**	8/23/2022	**10/31/2027 03/31/2028 5/31/2026**	1250uL	10mL	MC	250

Decanoic Acid CCV

Prepared: 8/20/2021
Expires: 8/20/2022
Methylene Chloride Lot No. 60338

Prepared By (Initials): KA

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

Diesel Motor Oil Mix

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

Prepared By (Initials): MB

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

Name of Final Standard THC Surrogate **Prep'd By (Initials)** MA

Prep Date 8/4/2021
Exp Date 8/4/2022

Initial Standard Information						Final Standard Information				
Name of Initial Standard (QAU Label)	Supplier	Supplier Part No.	Conc.(mg/L))	Lot # with QA # (or reference to APPL prep date)	EXP DATE (1Yr)	Exp Date (Manufacturer)	Aliquot from Stock	Final Volume	Final Solvent + Lot# (or APPL Prep Date)	Final Standard Conc (range)
O-terphenyl/ Octacosane Mix	Phhenova	ALO-13016	600 mg/L	CL15902-52328	7/1/2022	10/31/2025	NA	NA	NA	600 mg/L

Name of Final Standard Decanoic Acid Spike **Prep'd By (Initials)** MB

Prep Date 7/13/2021
Exp Date 7/13/2022

Initial Standard Information						Final Standard Information			
Name of Initial Standard (from container	Supplier	Supplier P/N# (or APPL Mix Name)	Conc.(range)	Lot # with QA # (or reference to APPL prep date)	Manufacturer Exp Date	Aliquot from Stock	Final Volume	Final Solvent + Lot# (or APPL Prep Date)	Final Standard Conc (range)
Decanoic Acid Spike	Absolute	72766	1000ug/mL	**061821-52675**	**6/18/2024**	NA	NA	**NA**	1000 ug/mL

Organic Extraction Worksheet

Method	Continuous Liq/Liq TPH-Diesel/MO 3520C	Extraction Set	210811A	Extraction Method	LIQ005	Units	mL

Spiked ID 1	Diesel Motor Oil Mix		Surrogate ID 1	THC Surrogate	
Spiked ID 2	Decanoic 1000ug/mL Acid Solution		Surrogate ID 2		
Spiked ID 3			Surrogate ID 3		
Spiked ID 4			Surrogate ID 4		
Spiked ID 5			Surrogate ID 5		
Spiked ID 6			Sufficient Vol for Matrix QC:	NO	
Spiked ID 7			Ext. Start Time:		
Spiked ID 8			Ext. End Time:		
			GC Requires Extract By:		

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

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

	Sample	Sample Container	Spike Amount	Spike ID	Surrogate Amount	Surrogate ID	Extract Amount	Final Volume	pH	Extract Date/Time	Comments
1	210811A Blk		0.050	2	0.250	1 equip	1000	5	2	08/11/21 11:34	*
2	210811A LCS-1		0.080,0.050	1,2	0.250	1 equip	1000	5	2	08/11/21 11:34	*
3	210811A LCSD-1		0.080,0.050	1,2	0.250	1 equip	1000	5	2	08/11/21 11:34	*
4	BA37288	BA37288W24	0.050	2	0.250	1 equip	1040	5	2	08/11/21 11:34	97069 *
5	BA37422	BA37422W07	0.050	2	0.250	1 equip	1000	5	2	08/11/21 11:34	97057 *
6	BA37425	BA37425W08	0.050	2	0.250	1 equip	1010	5	2	08/11/21 11:34	97057 *
7	BA37428	BA37428W08	0.050	2	0.250	1 equip	1020	5	2	08/11/21 11:34	97057 *
8	BA37431	BA37431W08	0.050	2	0.250	1 equip	1040	5	2	08/11/21 11:34	97057 *

Solvent and Lot#	
1+1 HCL (5mLs)	.
PH Strips	.
Dicholormethane	.
Filter Paper	.
Sodium Sulfate	.
Silica Gel (*)	.

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

	Technician's Initials
Scanned By	
Sample Preparation	
Extraction	
Concentration	

Modified	8/11/2021 4:28:40 PM

Reviewed By: **Date**

Injection Log

Directory: G:\APOLLO\DATA\210823\

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	3	823003.D	1	DMO Curve 1	water	8-23-21 18:21:55
2	4	823004.D	1	DMO Curve 2	water	8-23-21 18:50:30
3	5	823005.D	1	DMO Curve 3	water	8-23-21 19:18:55
4	6	823006.D	1	DMO Curve 4	water	8-23-21 19:47:24
5	7	823007.D	1	DMO Curve 5	water	8-23-21 20:15:46
6	8	823008.D	1	DMO Curve 6	water	8-23-21 20:44:20
7	9	823009.D	1	DMO Curve 7	water	8-23-21 21:12:52
8	10	823010.D	1	DMO Second Source	water	8-23-21 21:41:26
9	57	824057.D	1	Diesel Motor Oil CCV 8/24/21	water	8-25-21 17:40:44
10	58	824058.D	1	Decanoic Acid CCV 8/20/21	water	8-25-21 18:09:12
11	59	824059.D	5	210811A BLK 5/1000 SG	water	8-25-21 18:37:37
12	60	824060.D	5	210811A LCS-1 5/1000 SG	water	8-25-21 19:06:12
13	61	824061.D	5	210811A LCSD-1 5/1000 SG	water	8-25-21 19:34:40
14	63	824063.D	5	BA37422W07 5/1000 SG	water	8-25-21 20:32:02
15	64	824064.D	4.9505	BA37425W08 5/1010 SG	water	8-25-21 21:00:38
16	65	824065.D	4.90196	BA37428W08 5/1020 SG	water	8-25-21 21:29:16
17	66	824066.D	4.80769	BA37431W08 5/1040 SG	water	8-25-21 21:57:56
18	67	824067.D	1	Diesel Motor Oil CCV 8/24/21	water	8-25-21 22:26:38
19	68	824068.D	1	Decanoic Acid CCV 8/20/21	Water	8-25-21 22:55:15

ORGANICS

Calibration Data

TPH Extractables
DOC0823

Form 6
Initial Calibration

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

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

Quantitation Report (Not Reviewed)

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

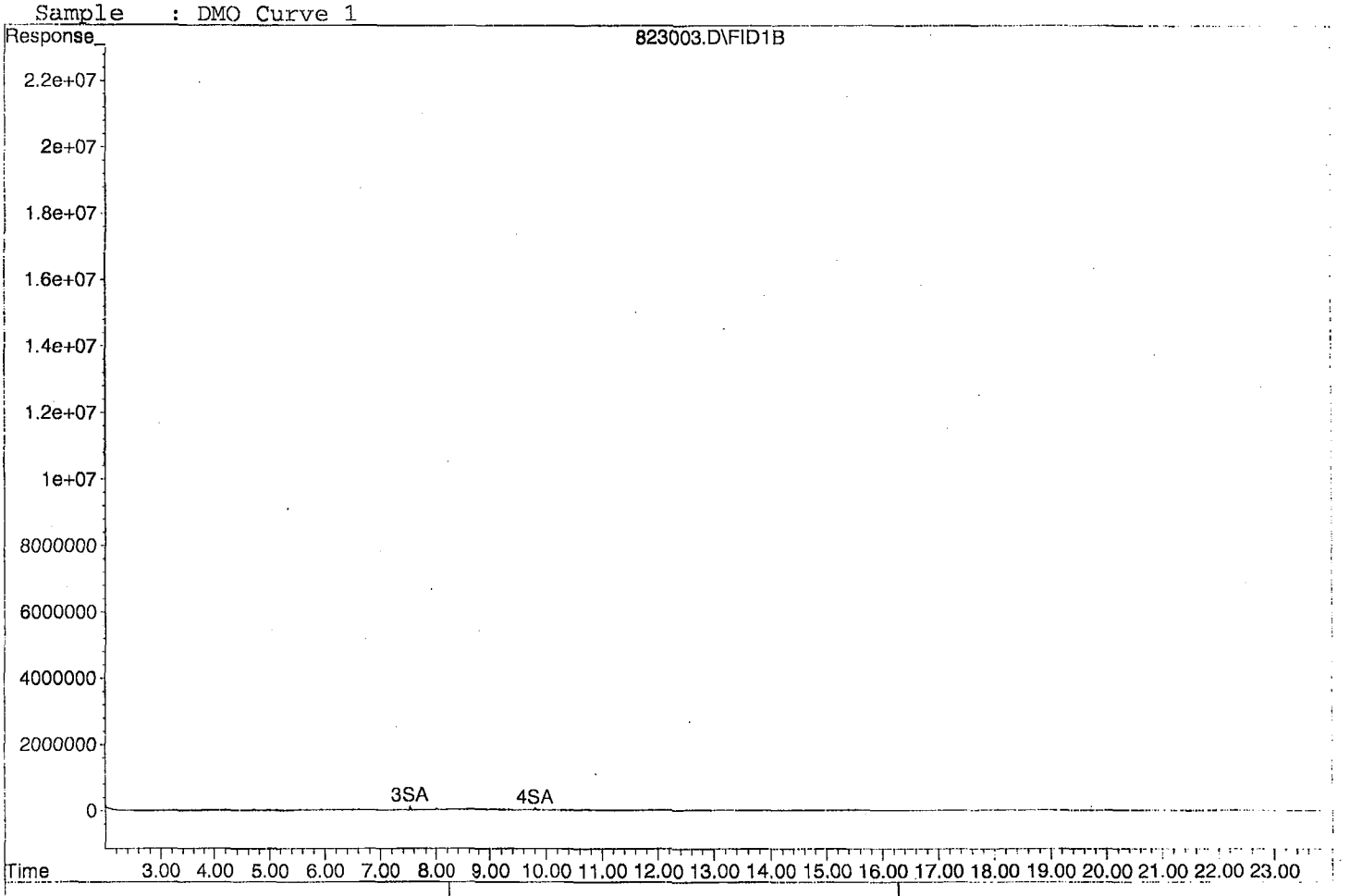
Method : G:\APOLLO\DATA\210823\DOC0823.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Tue Aug 24 09:02:26 2021
Response via : Multiple Level Calibration

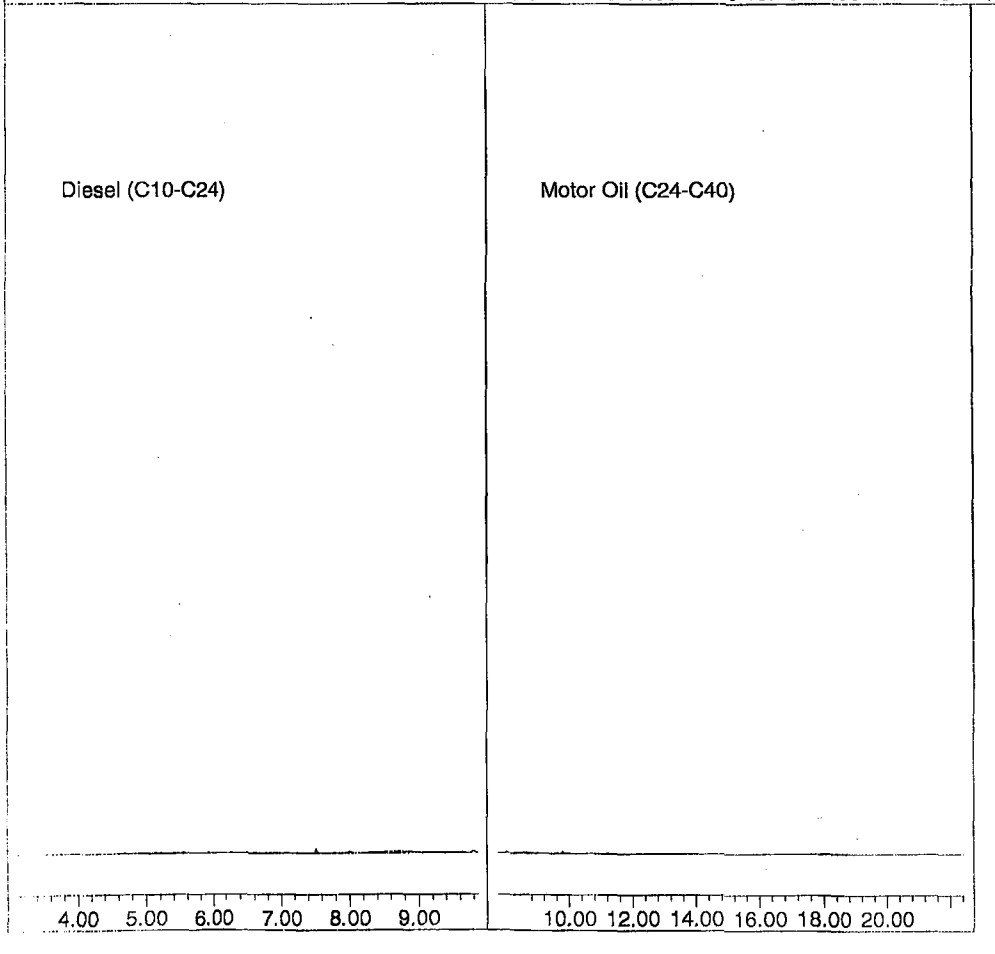
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

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

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

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





Quantitation Report (Not Reviewed)

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

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

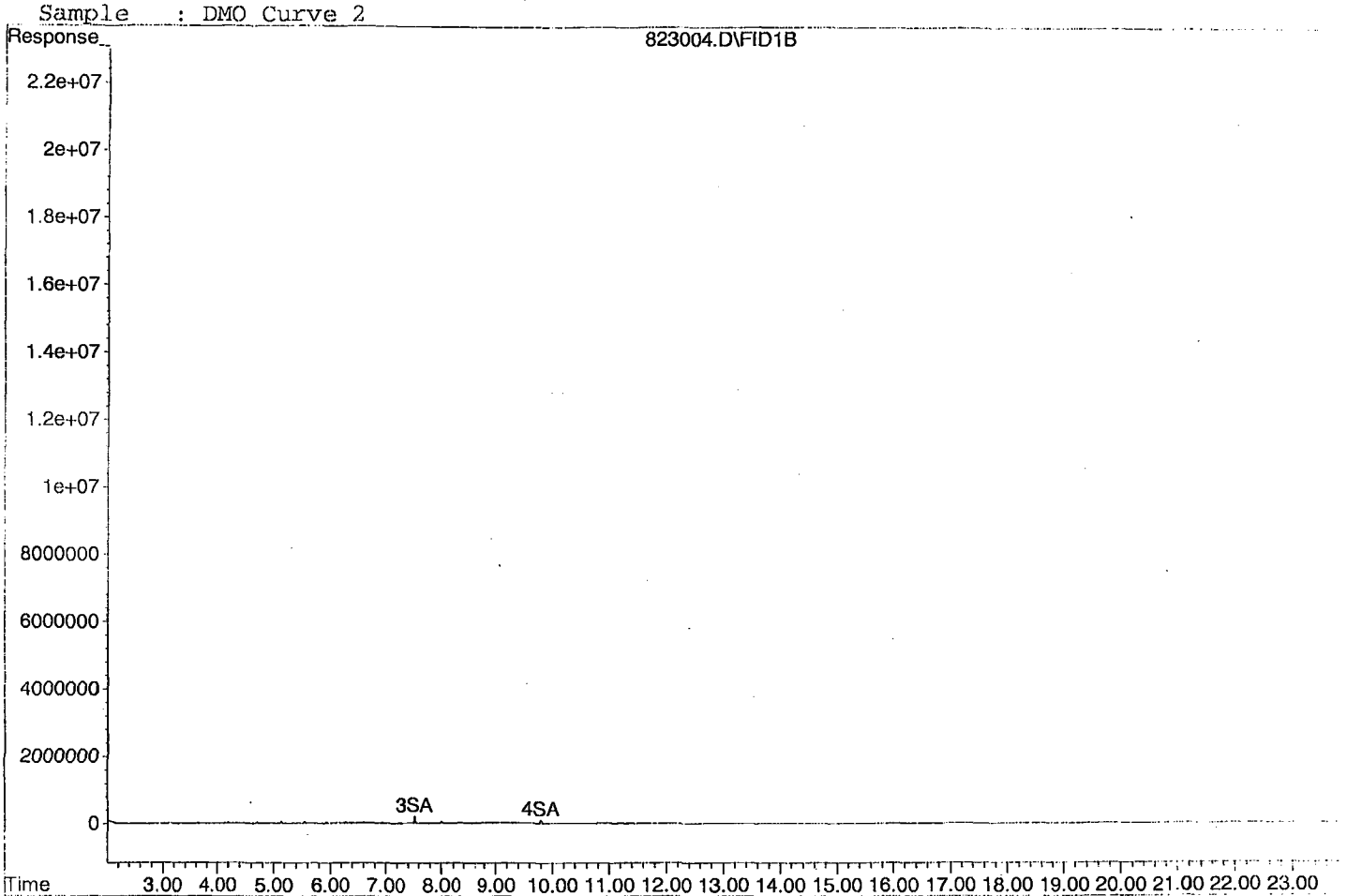
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

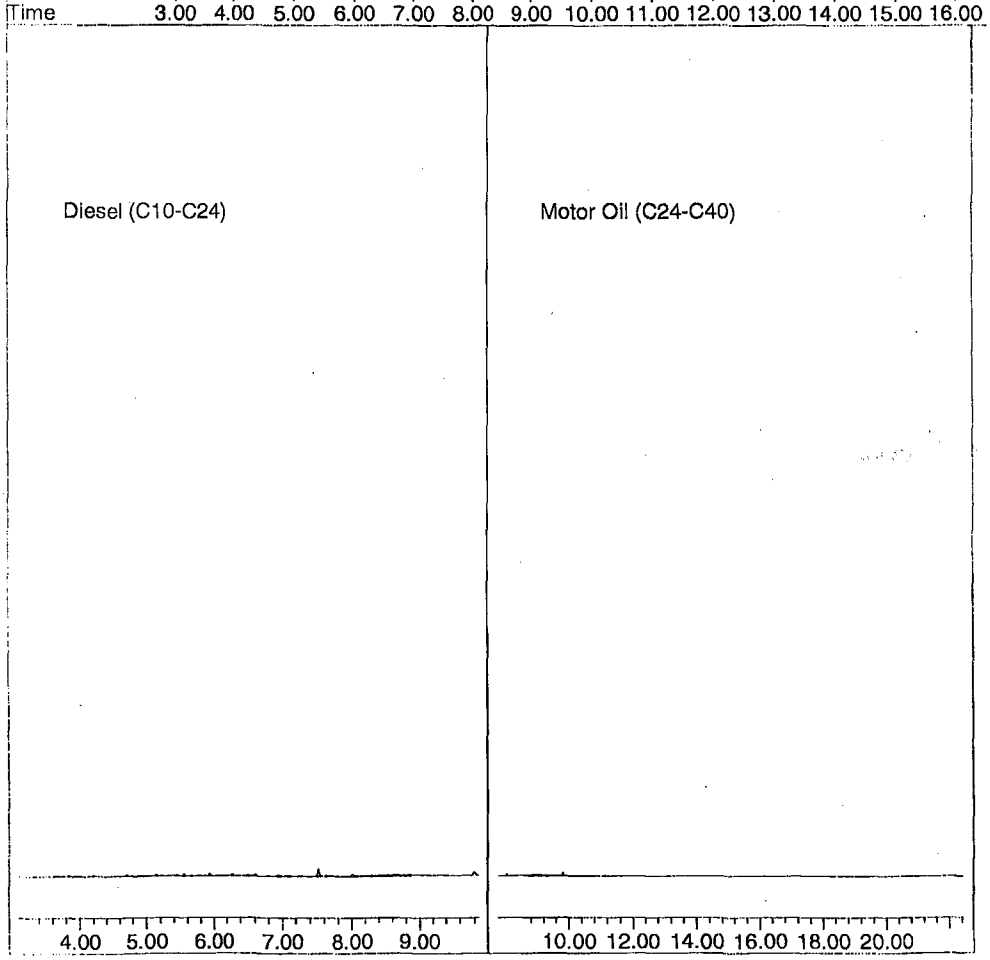
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.52	2794027	0.508 ppb
Surrogate Spike 30.000	Recovery =		1.69%
4) SA Octacosane(S)	9.80	2071028	0.488 ppb
Surrogate Spike 30.000	Recovery =		1.63%
Target Compounds			
1) HATM Diesel (C10-C24)	6.48	66295984	9.059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

Target Compounds

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

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





Quantitation Report (Not Reviewed)

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

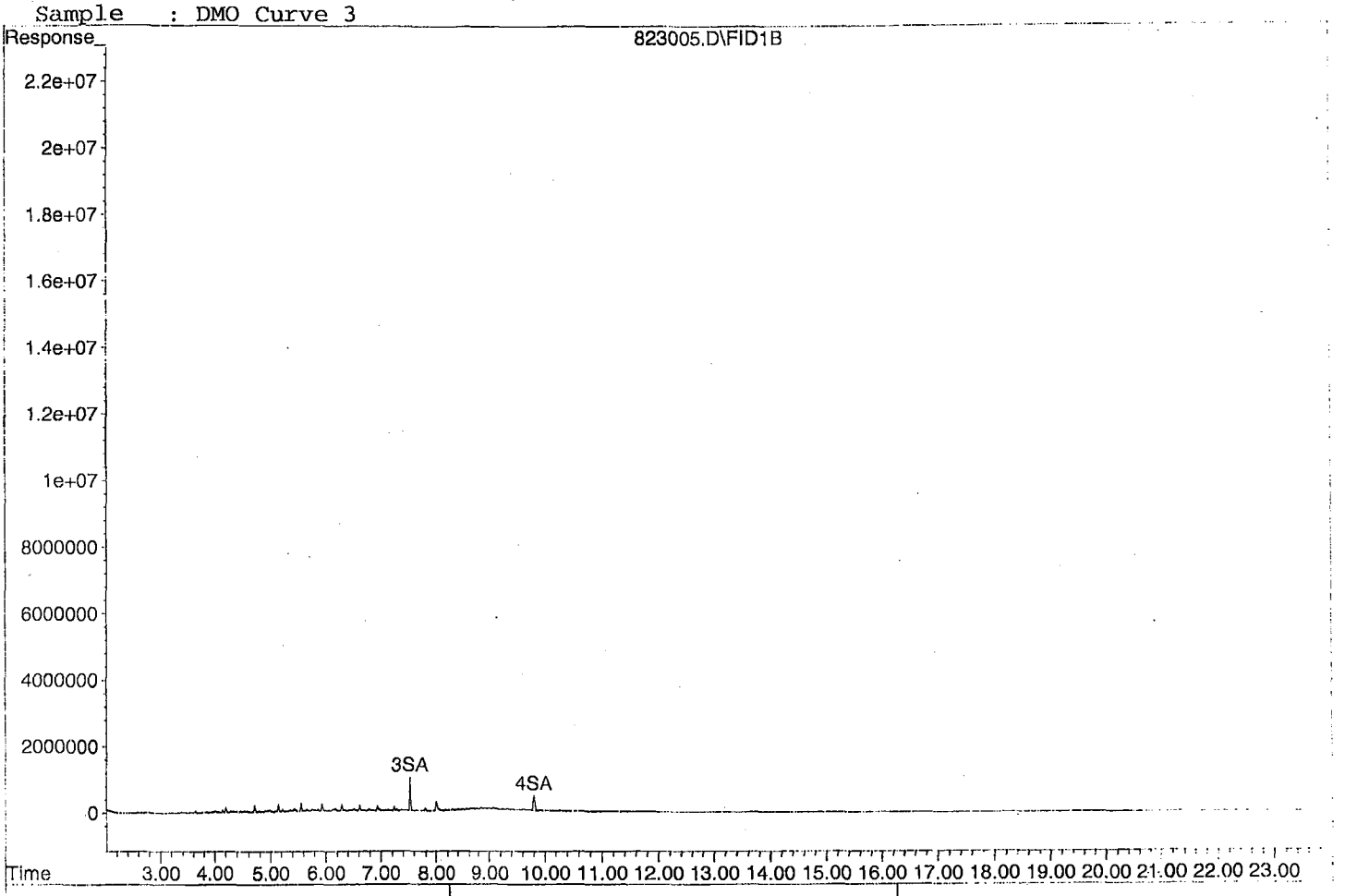
Method : G:\APOLLO\DATA\210823\DOC0823.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Tue Aug 24 09:02:26 2021
Response via : Multiple Level Calibration

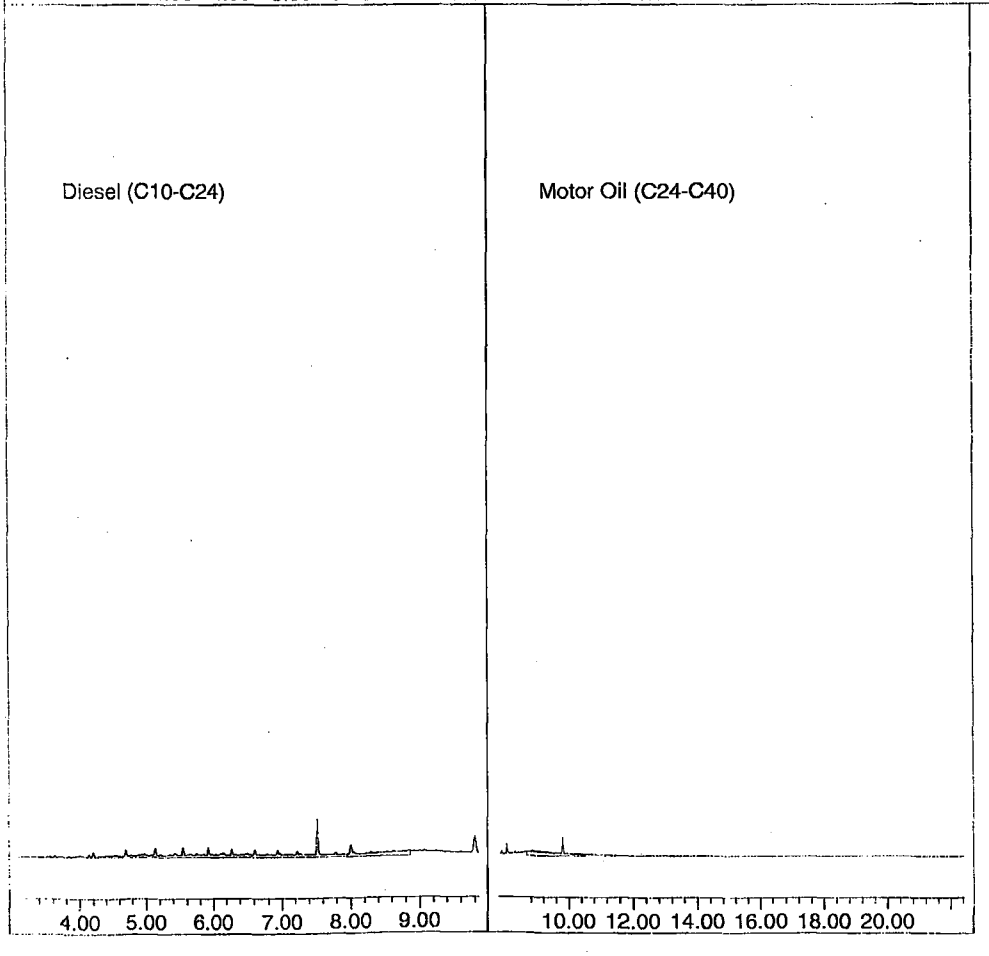
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

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

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

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





Quantitation Report (Not Reviewed)

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

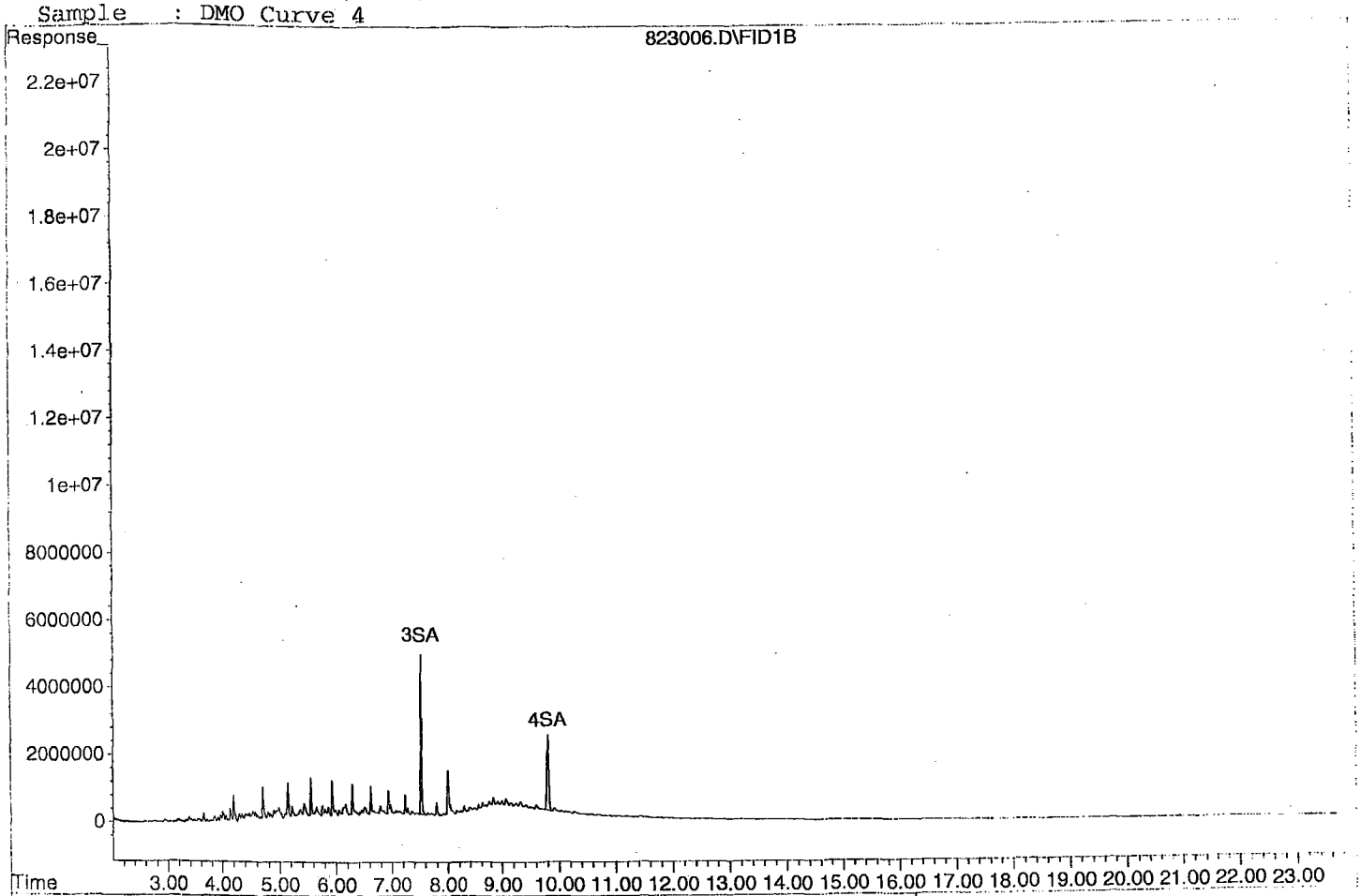
Method : G:\APOLLO\DATA\210823\DOC0823.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Tue Aug 24 09:02:26 2021
Response via : Multiple Level Calibration

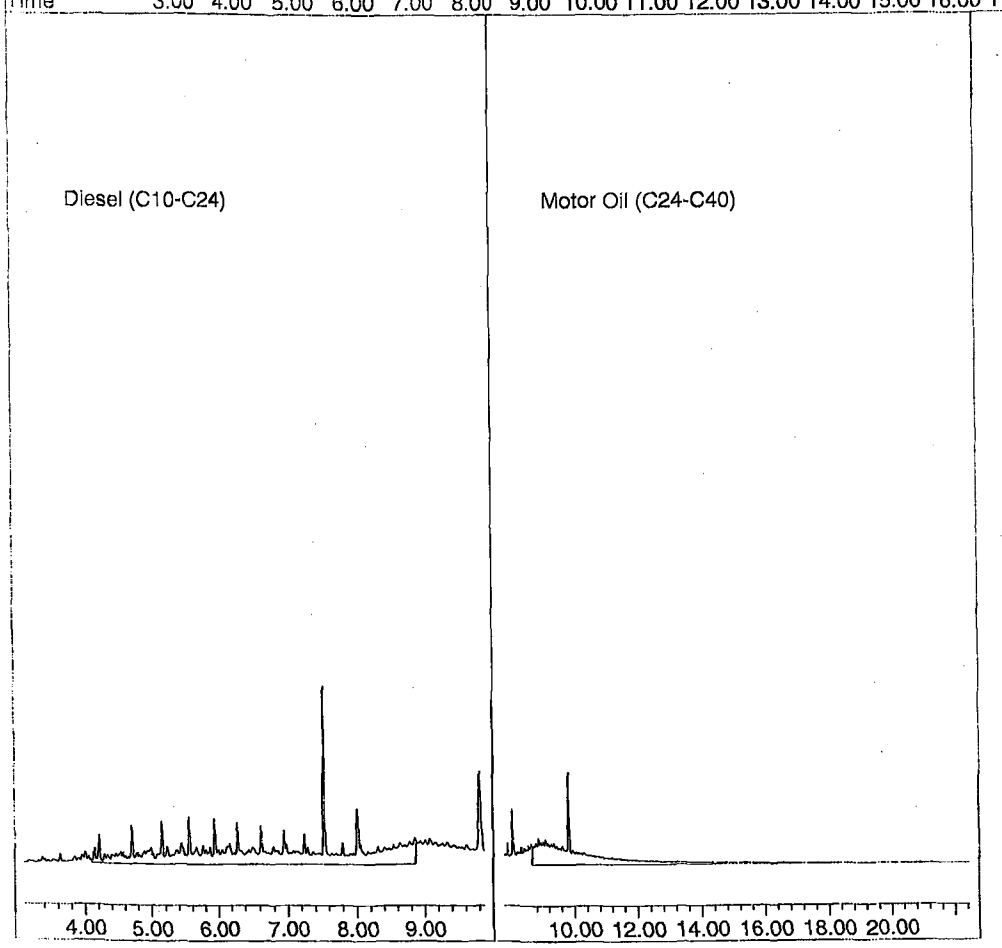
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

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

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

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





Quantitation Report (Not Reviewed)

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

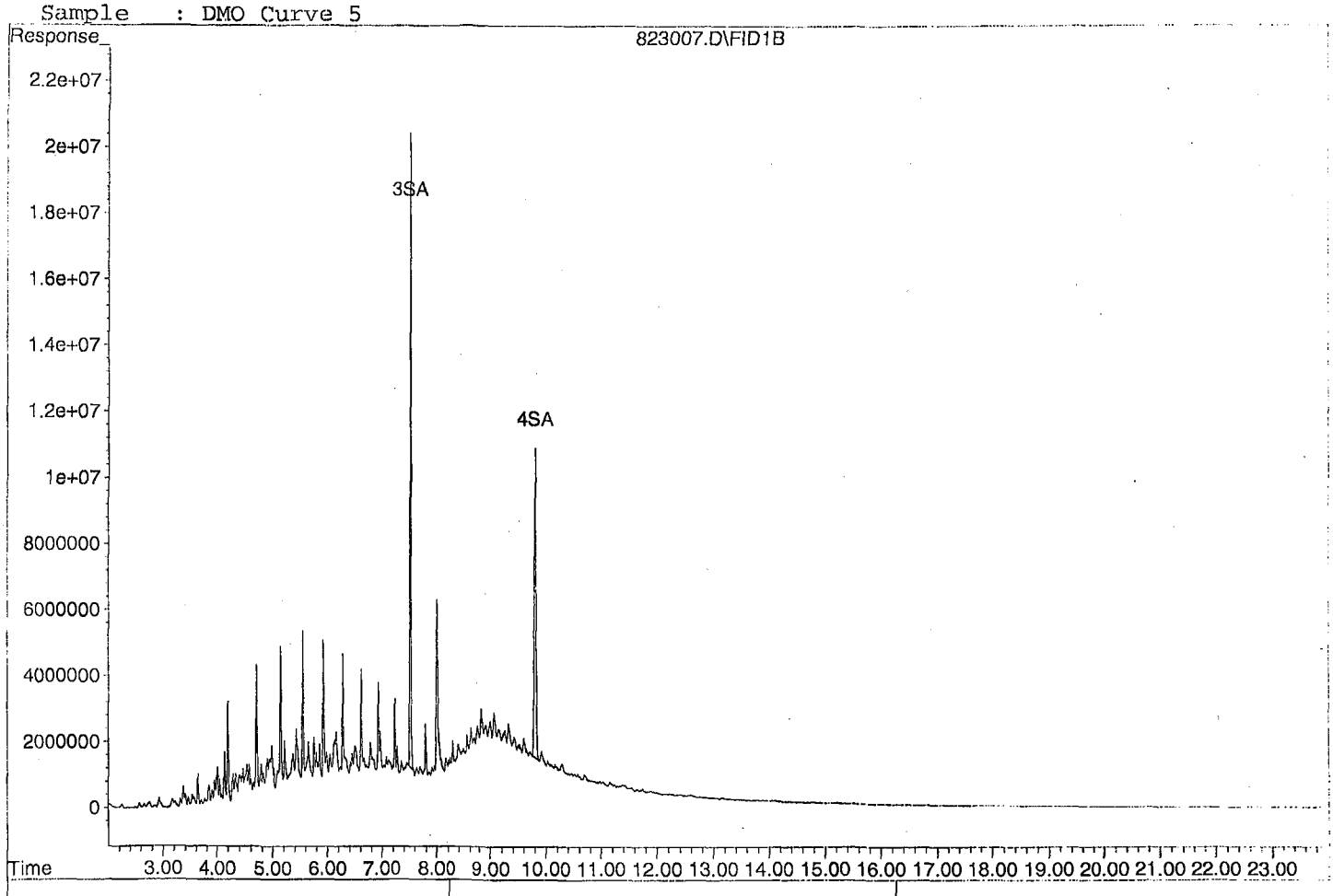
Method : G:\APOLLO\DATA\210823\DOC0823.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Tue Aug 24 09:02:26 2021
Response via : Multiple Level Calibration

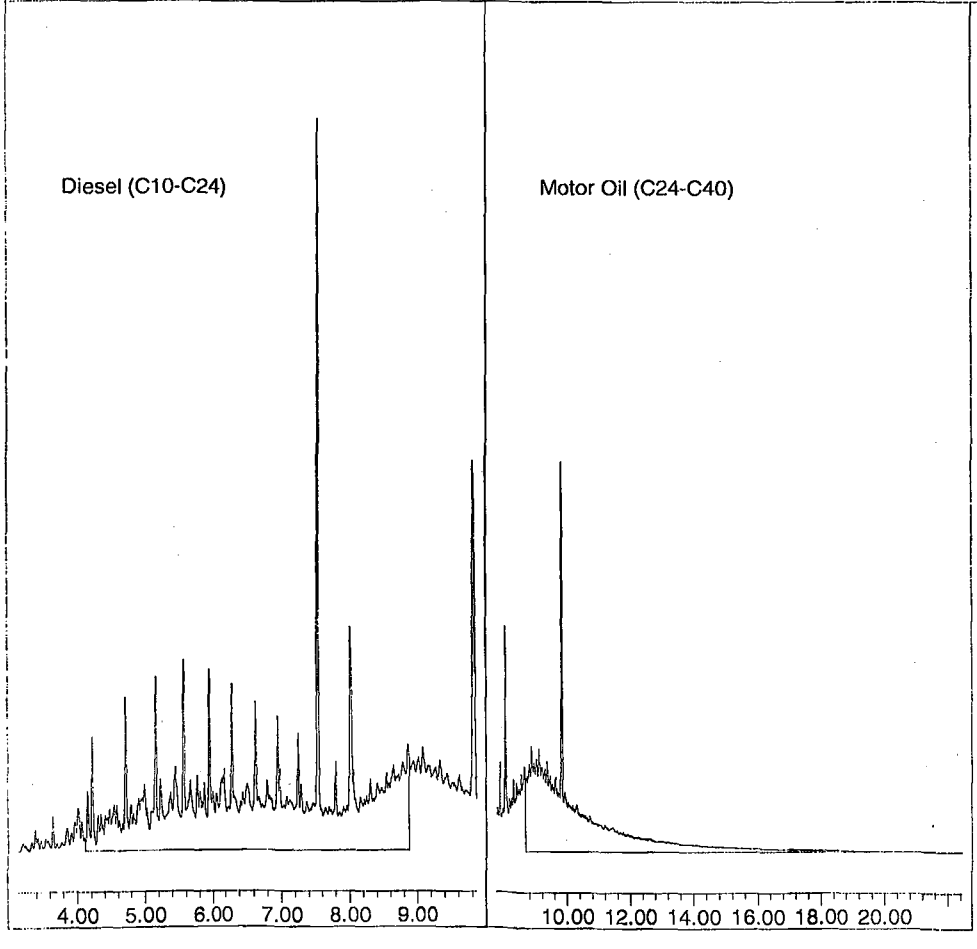
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

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

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

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





Quantitation Report (Not Reviewed)

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

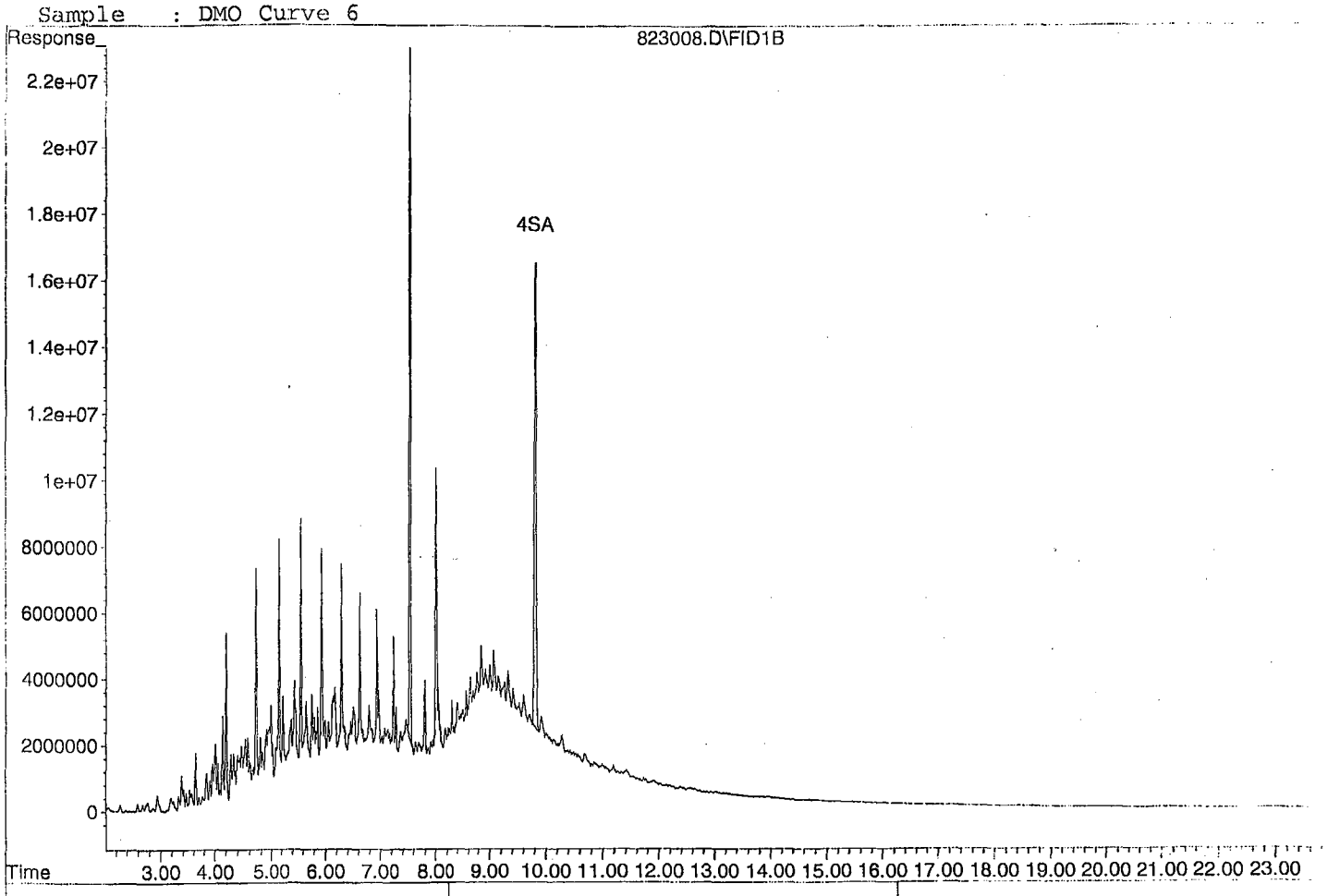
Method : G:\APOLLO\DATA\210823\DOC0823.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Tue Aug 24 09:02:26 2021
Response via : Multiple Level Calibration

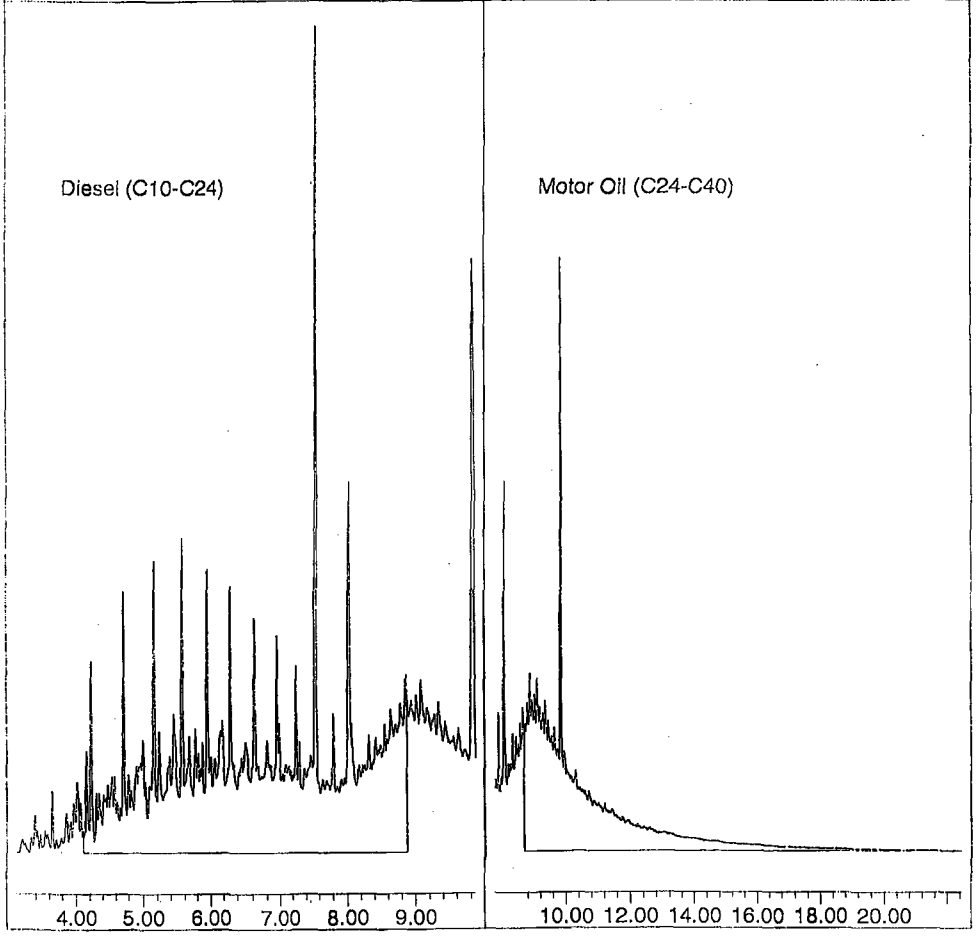
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

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

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

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





Quantitation Report (Not Reviewed)

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

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

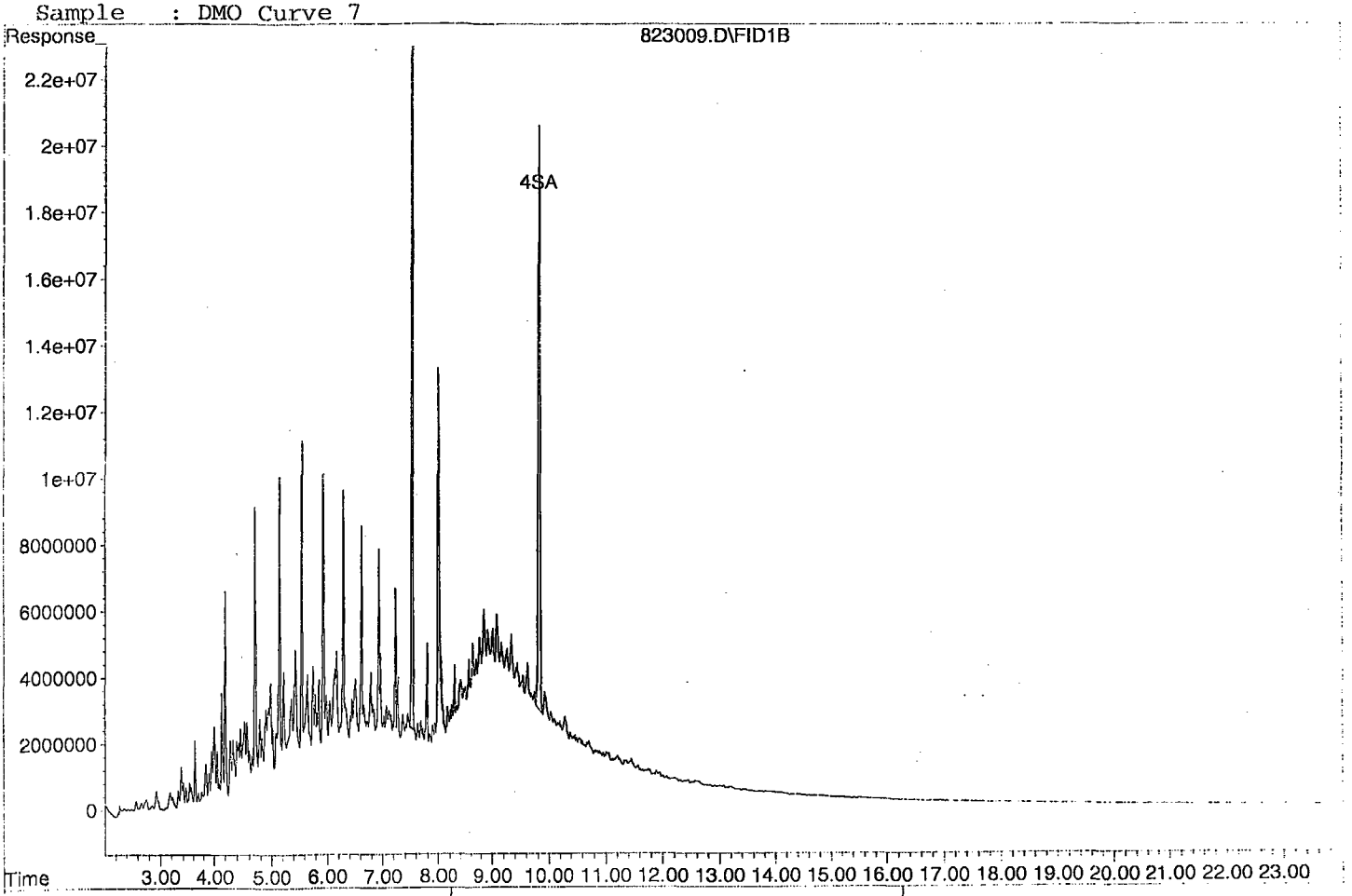
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

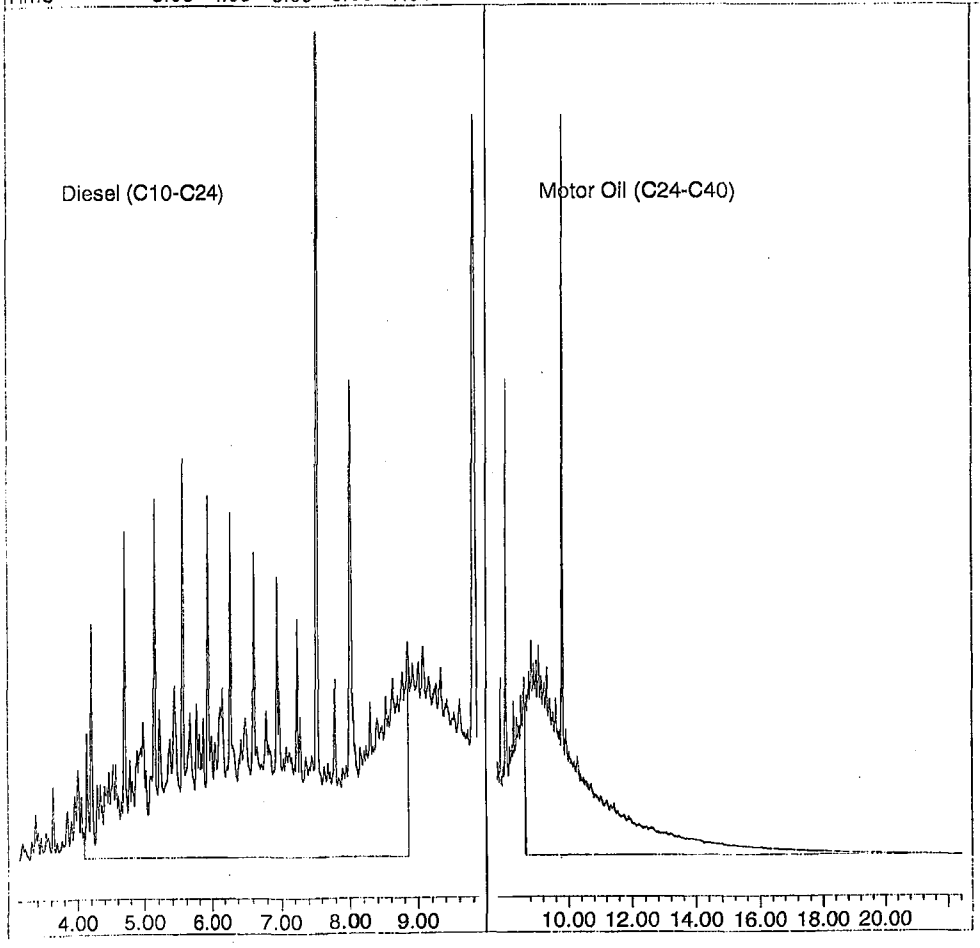
Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
3) SA Ortho-Terphenyl(S)	7.53	516572475	93.831	ppb
Surrogate Spike 30.000	Recovery =		312.77%	
4) SA Octacosane(S)	9.82	409363905	96.431	ppb
Surrogate Spike 30.000	Recovery =		321.44%	
Target Compounds				
1) HATM Diesel (C10-C24)	6.48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

Target Compounds

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

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





TPH Extractables
DOC0823

Form 7

Second Source Calibration

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

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

		Compound	MEAN	CCRF	%D	%Drift	
1	HATM	Diesel (C10-C24)	2872160	2402860	16	HATML	11
2	HBTM	Motor Oil (C24-C40)	1808020	1847660	2.2	HBTM	
3							
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		Average			9.1		

Quantitation Report (Not Reviewed)

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

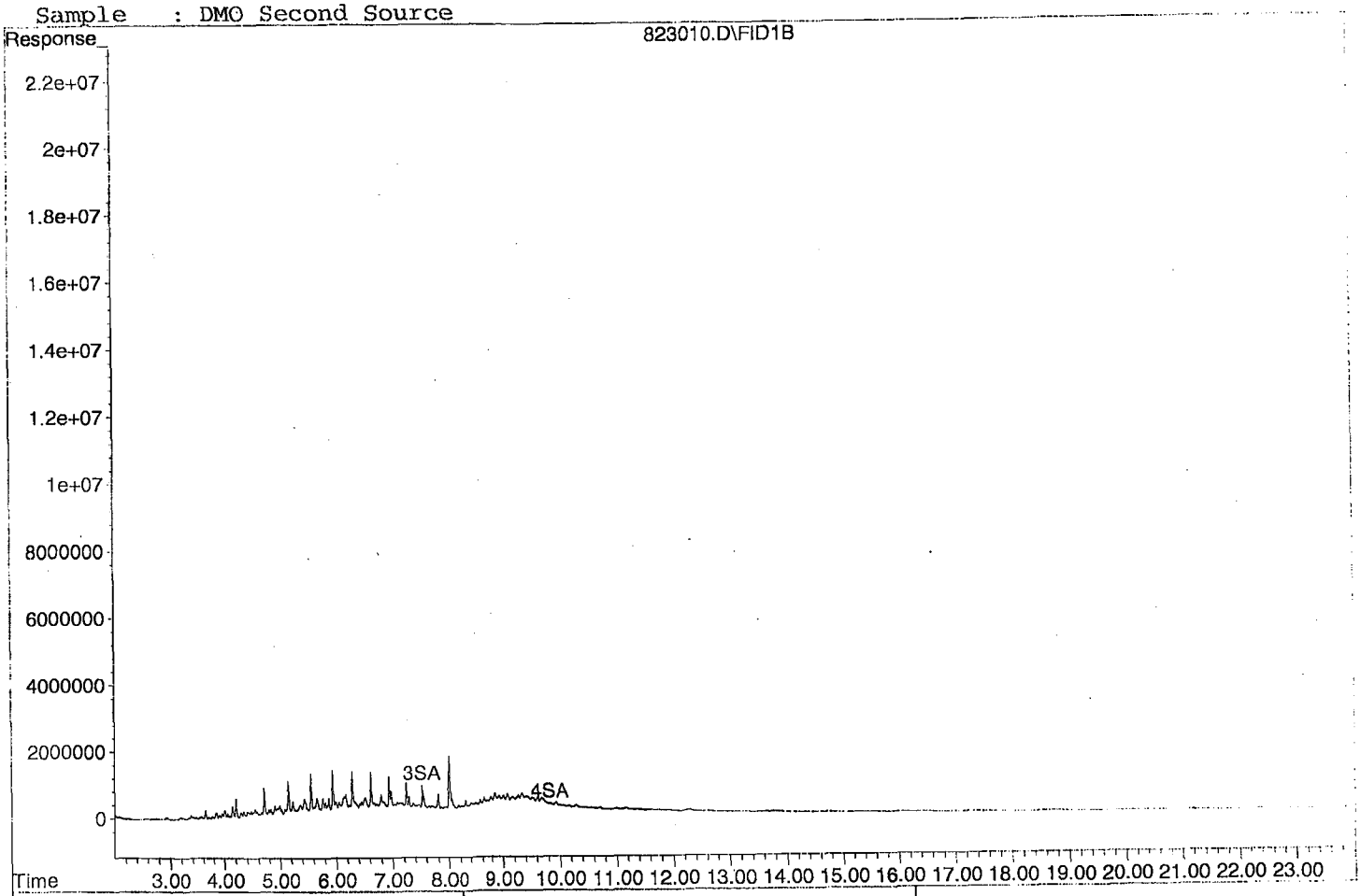
Method : G:\APOLLO\DATA\210823\DOC0823.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Tue Aug 24 09:02:26 2021
Response via : Multiple Level Calibration

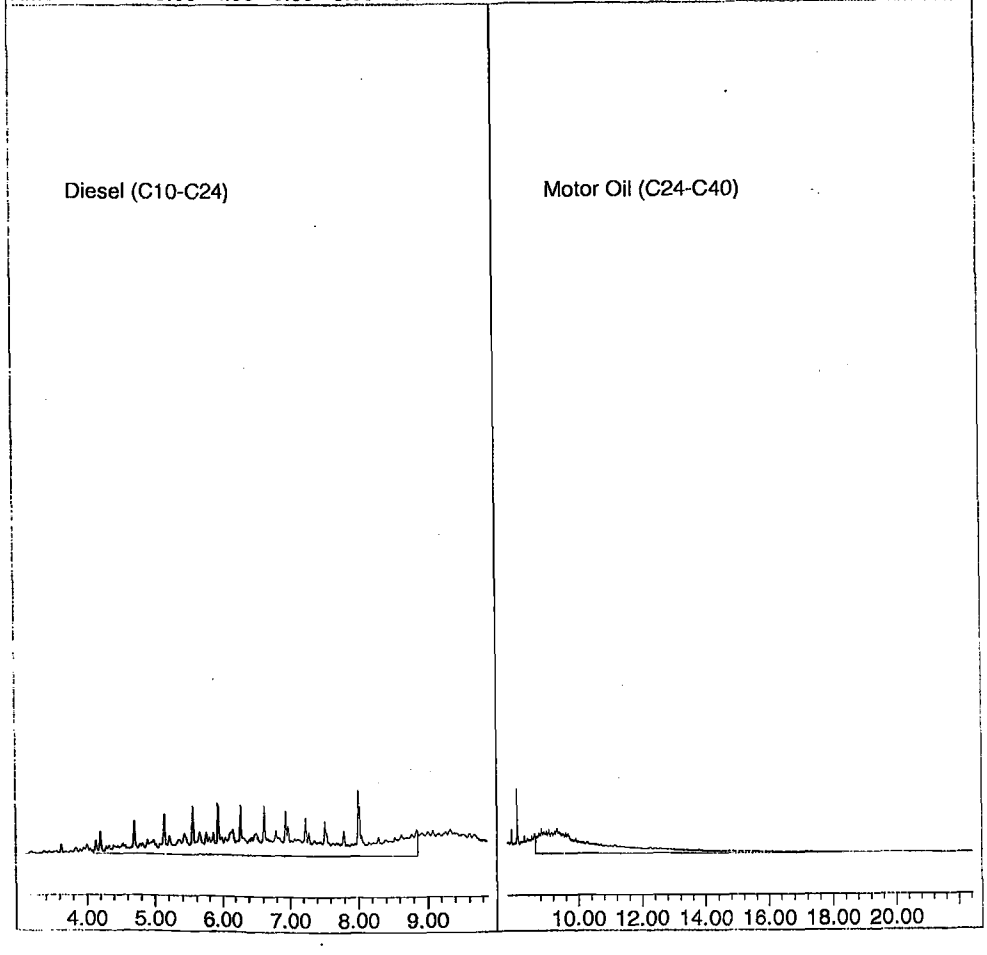
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

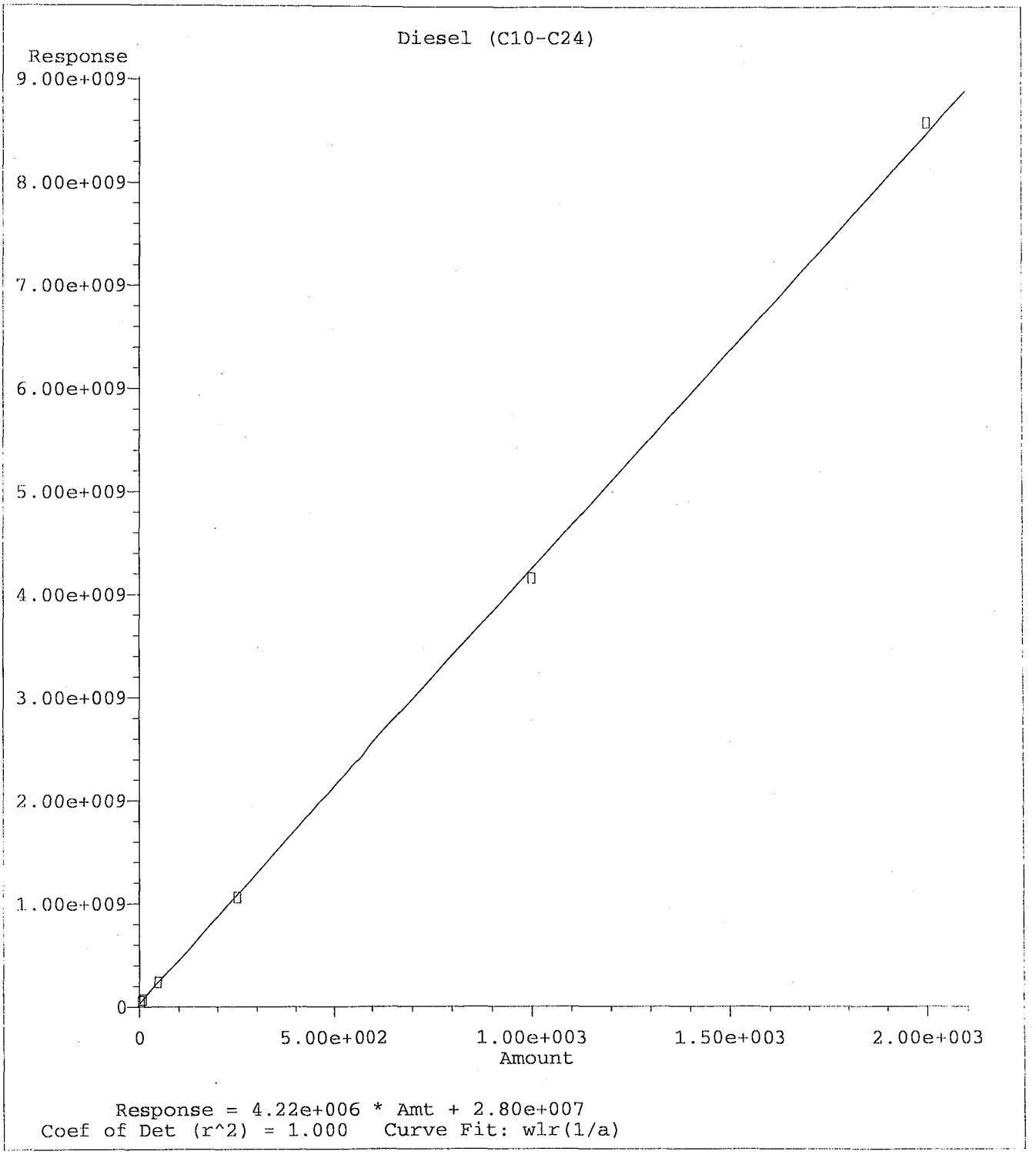
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.52	4634646	0.842 ppb
Surrogate Spike 30.000	Recovery	=	2.81%
4) SA Octacosane(S)	9.82	28821	0.007 ppb
Surrogate Spike 30.000	Recovery	=	0.02%
Target Compounds			
1) HATM Diesel (C10-C24)	6.48	1201427982	277.847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

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

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







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

TPH Extractables
DOC0823

Form 7

Continuing Calibration

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

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

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

Quantitation Report (QT Reviewed)

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

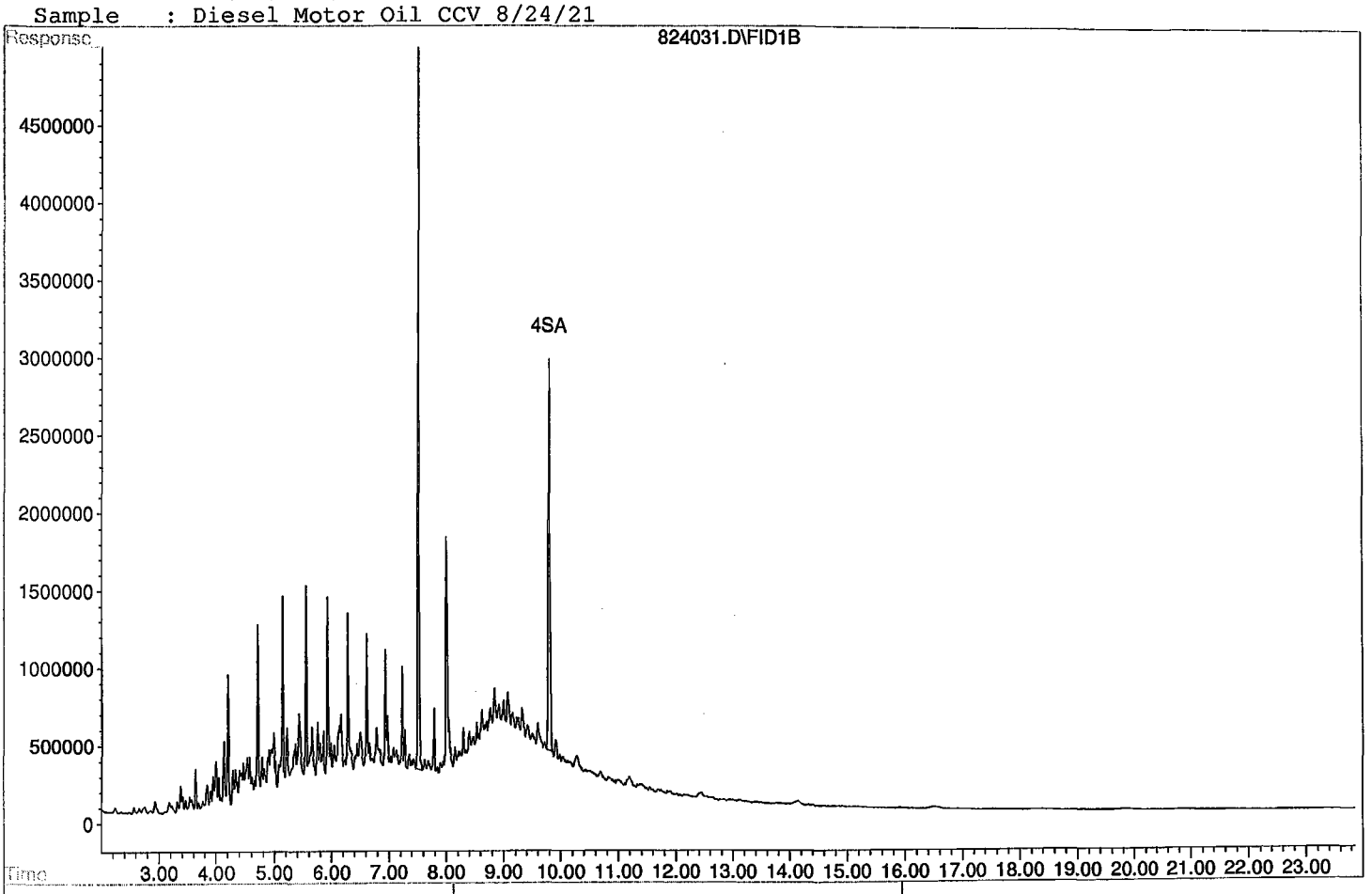
Method : G:\APOLLO\DATA\210823\DOC0823.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Sep 02 15:20:00 2021
Response via : Multiple Level Calibration

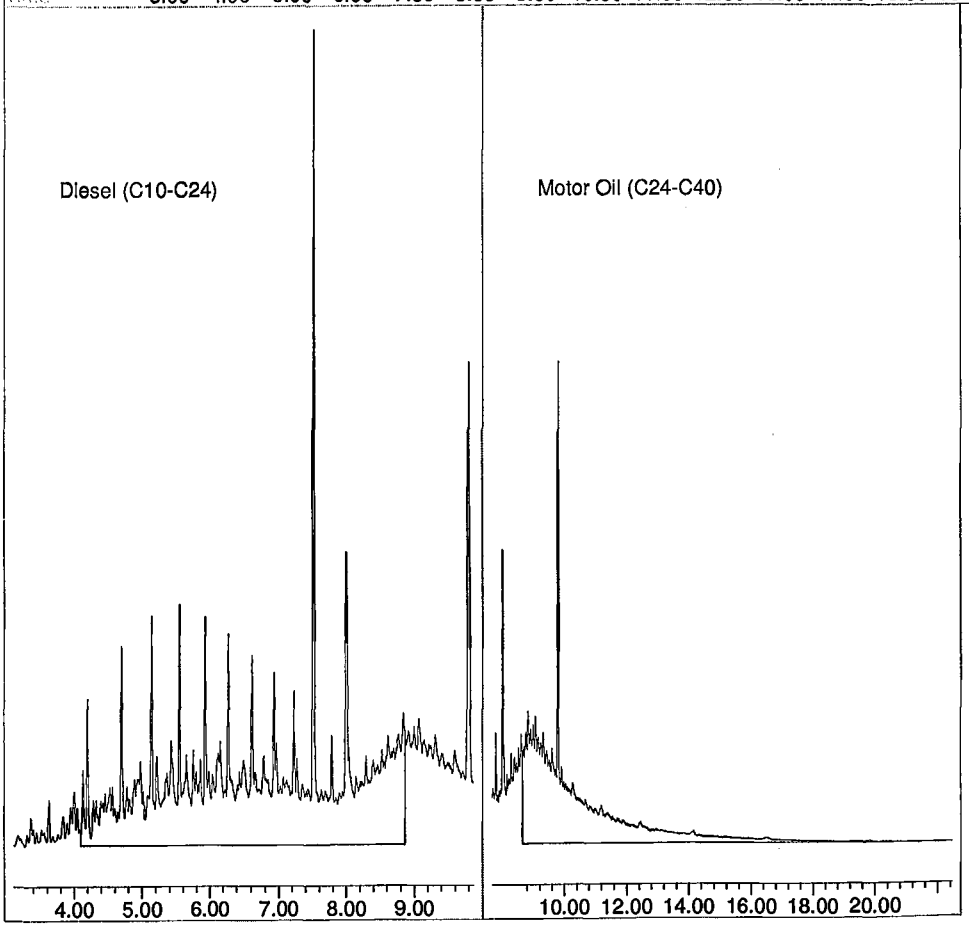
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.51	71757865	12.901 ppb
Surrogate Spike 30.000	Recovery =		43.00%
4) SA Octacosane(S)	9.79	52819242	12.487 ppb
Surrogate Spike 30.000	Recovery =		41.62%
Target Compounds			
1) HATM Diesel (C10-C24)	6.48	1125697220	259.915 ppb
2) HBTM Motor Oil (C24-C40)	15.05	860143811	237.797 ppb
Target Compounds			

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

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





TPH Extractables
DOC0823

Form 7
Continuing Calibration

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

SDG No:
Date Analyzed: 8/25/2021
Instrument: Apollo
Initial Cal. Date: 8/23/2021
Data File: 824048.D

		Compound	MEAN	CCRF	%D		%Drift
1	HATM	Diesel (C10-C24)	2872160	2178690	24	HATML	0.52
2	HBTM	Motor Oil (C24-C40)	1808560	1640900	9.3	HBTM	
3	SA	Ortho-Terphenyl(S)	2781050	2698200	3.0	SA	
4	SA	Octacosane(S)	2114990	2057890	2.7	SA	
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		Average			9.8		

Quantitation Report (QT Reviewed)

Data File : G:\APOLLO\DATA\210824\824048.D Vial: 48
Acq On : 8-25-21 13:24:22 Operator: KA
Sample : Diesel Motor Oil CCV 8/24/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Aug 30 14:56 2021 Quant Results File: DOC0823.RES

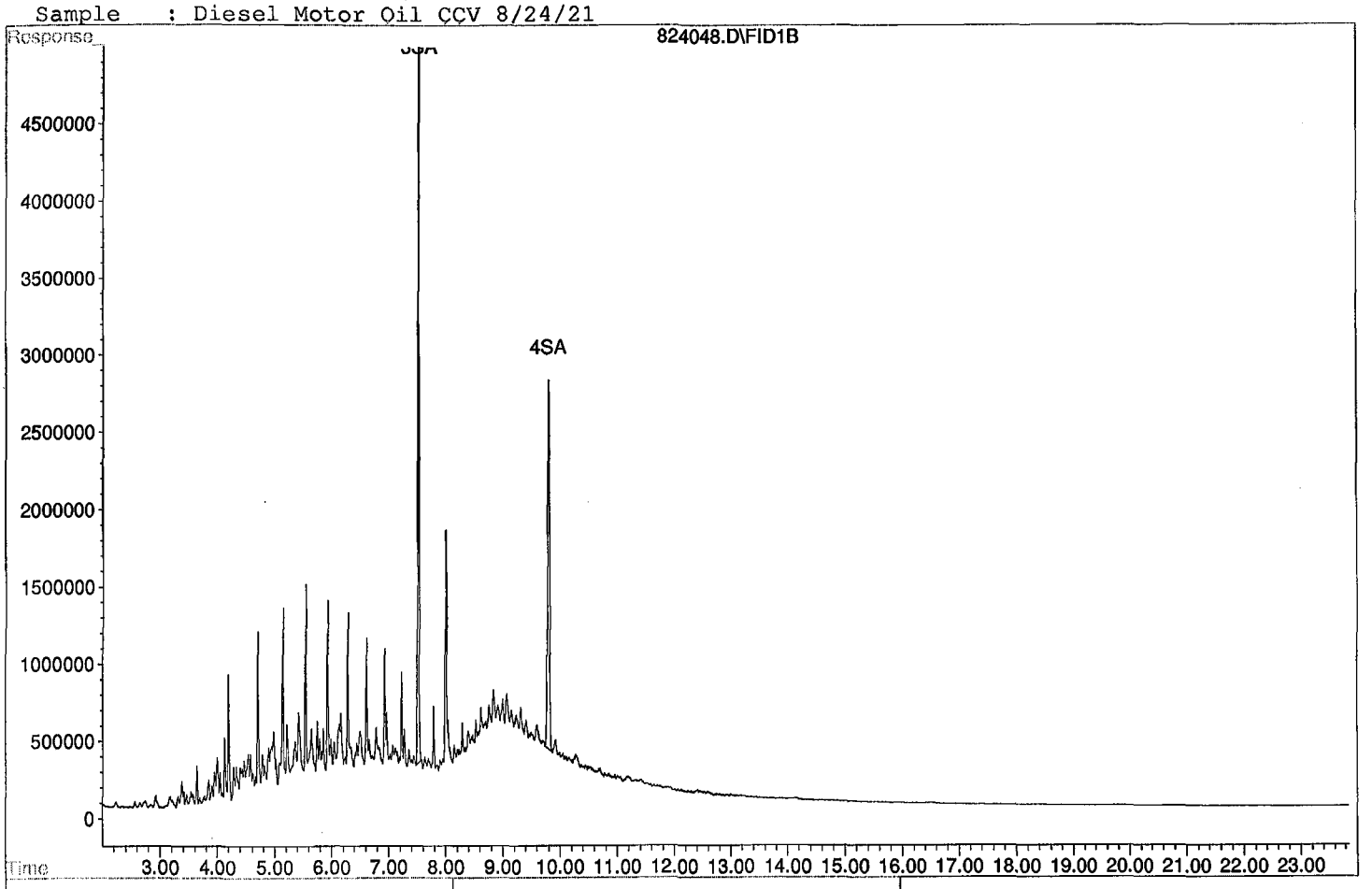
Method : G:\APOLLO\DATA\210823\DOC0823.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Sep 02 15:20:00 2021
Response via : Multiple Level Calibration

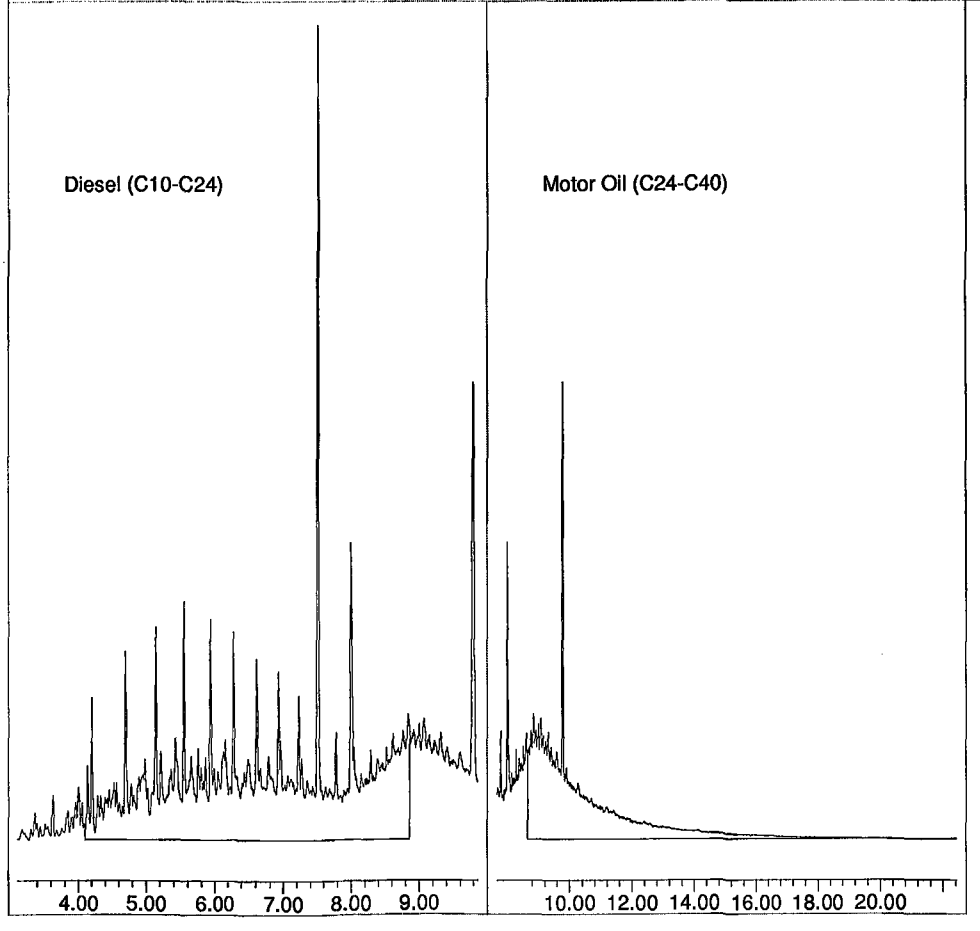
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.51	67454926	12.128 ppb
Surrogate Spike 30.000	Recovery =		40.43%
4) SA Octacosane(S)	9.79	51447134	12.162 ppb
Surrogate Spike 30.000	Recovery =		40.54%
Target Compounds			
1) HATM Diesel (C10-C24)	6.48	1089345903	251.307 ppb
2) HBTM Motor Oil (C24-C40)	15.05	820450173	226.824 ppb
Target Compounds			

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

Data File: G:\APOLLO\DATA\210824\824048.D
Sample : Diesel Motor Oil CCV 8/24/21





ORGANICS

Raw Data

Quantitation Report (QT Reviewed)

Data File : G:\APOLLO\DATA\210824\824044.D Vial: 44
Acq On : 8-25-21 11:30:20 Operator: KA
Sample : BA37423W01 5/1000 Inst : Apollo
Misc : water Multiplr: 5.00
IntFile : events.e
Quant Time: Aug 30 14:56 2021 Quant Results File: DOC0823.RES

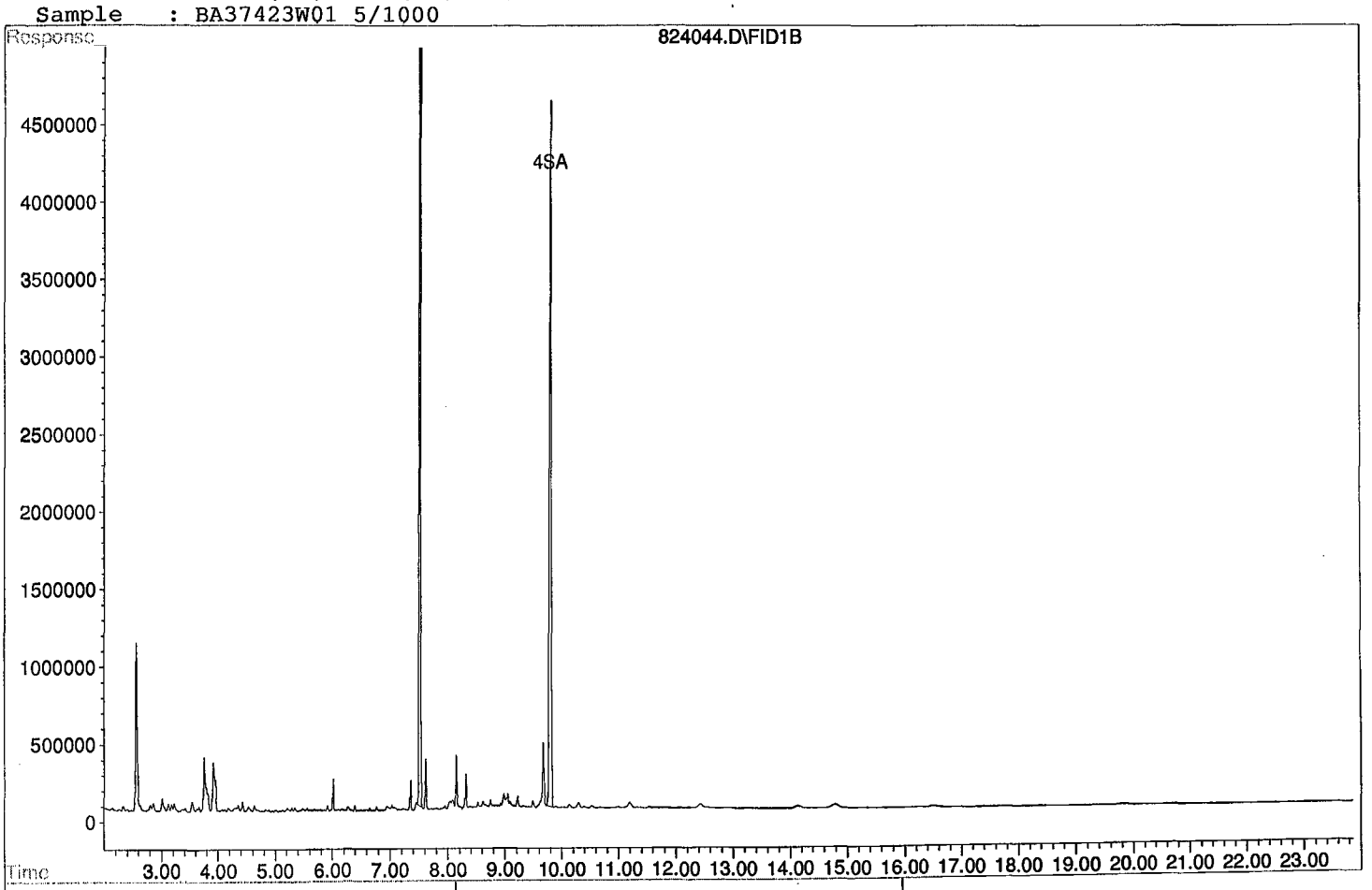
Method : G:\APOLLO\DATA\210823\DOC0823.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Sep 02 15:20:00 2021
Response via : Multiple Level Calibration

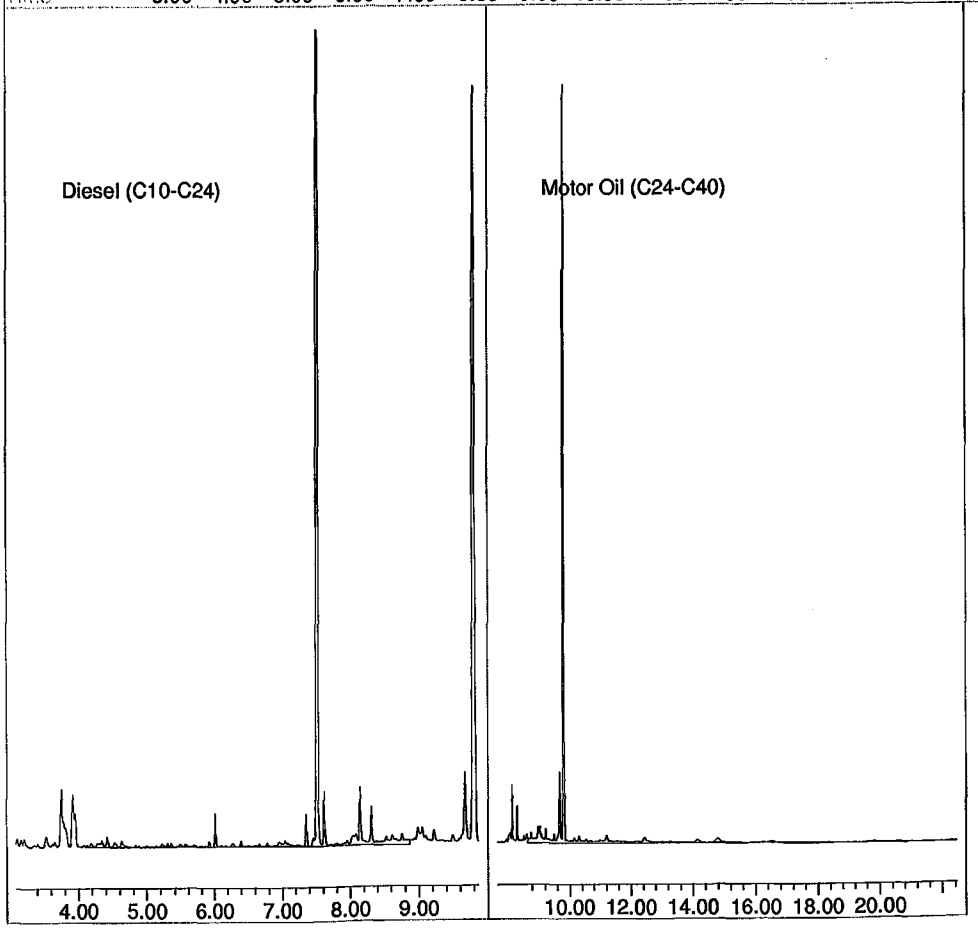
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.52	133419787	119.937 ppb
Surrogate Spike 150.000		Recovery =	79.96%
4) SA Octacosane(S)	9.80	100850358	119.209 ppb
Surrogate Spike 150.000		Recovery =	79.47%
Target Compounds			
1) HATM Diesel (C10-C24)	6.48	56396910	33.573 ppb
2) HBTM Motor Oil (C24-C40)	15.05	80555784	111.353 ppb
Target Compounds			

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

Data File: G:\APOLLO\DATA\210824\824044.D
Sample : BA37423W01 5/1000





Quantitation Report (QT Reviewed)

Data File : G:\APOLLO\DATA\210824\824045.D Vial: 45
Acq On : 8-25-21 11:58:50 Operator: KA
Sample : BA37426W01 5/1000 Inst : Apollo
Misc : water Multiplr: 5.00
IntFile : events.e
Quant Time: Aug 30 14:56 2021 Quant Results File: DOC0823.RES

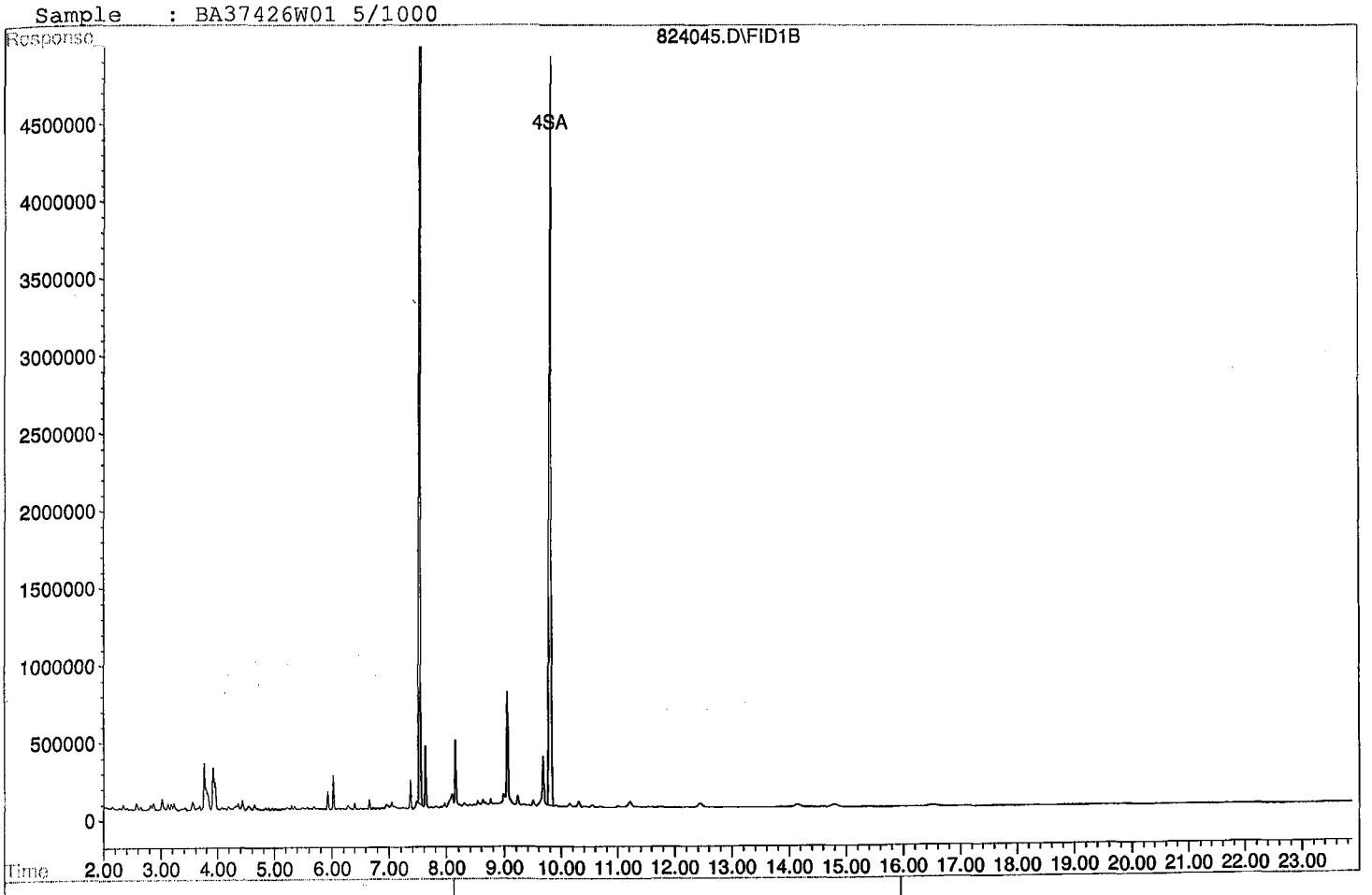
Method : G:\APOLLO\DATA\210823\DOC0823.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Sep 02 15:20:00 2021
Response via : Multiple Level Calibration

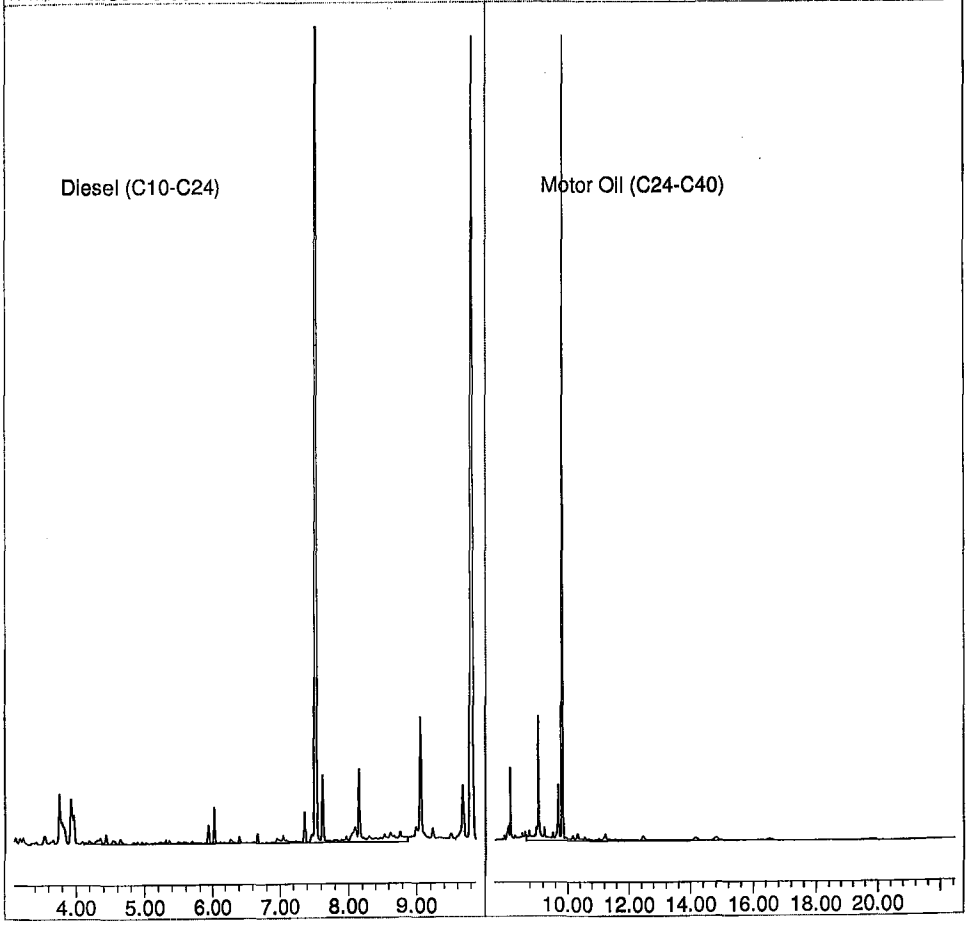
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.52	126250833	113.492 ppb
Surrogate Spike 150.000		Recovery =	75.66%
4) SA Octacosane(S)	9.80	102017888	120.589 ppb
Surrogate Spike 150.000		Recovery =	80.39%
Target Compounds			
1) HATM Diesel (C10-C24)	6.48	59663039	37.440 ppb
2) HBTM Motor Oil (C24-C40)	15.05	78896490	109.060 ppb
Target Compounds			

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

Data File: G:\APOLLO\DATA\210824\824045.D
Sample : BA37426W01 5/1000





Quantitation Report (QT Reviewed)

Data File : G:\APOLLO\DATA\210824\824046.D Vial: 46
Acq On : 8-25-21 12:27:20 Operator: KA
Sample : BA37429W01 5/1000 Inst : Apollo
Misc : water Multiplr: 5.00
IntFile : events.e
Quant Time: Aug 30 14:56 2021 Quant Results File: DOC0823.RES

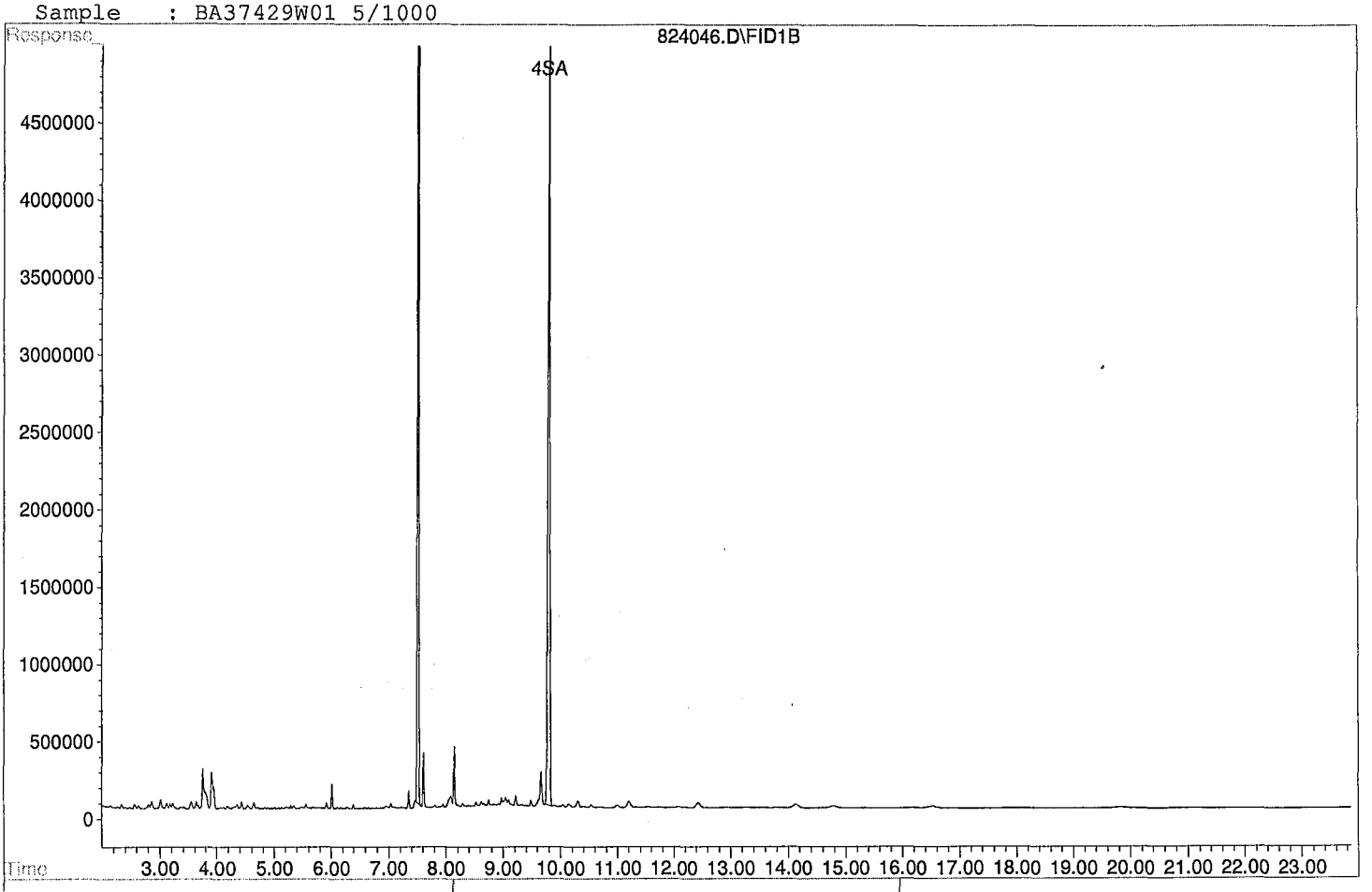
Method : G:\APOLLO\DATA\210823\DOC0823.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Sep 02 15:20:00 2021
Response via : Multiple Level Calibration

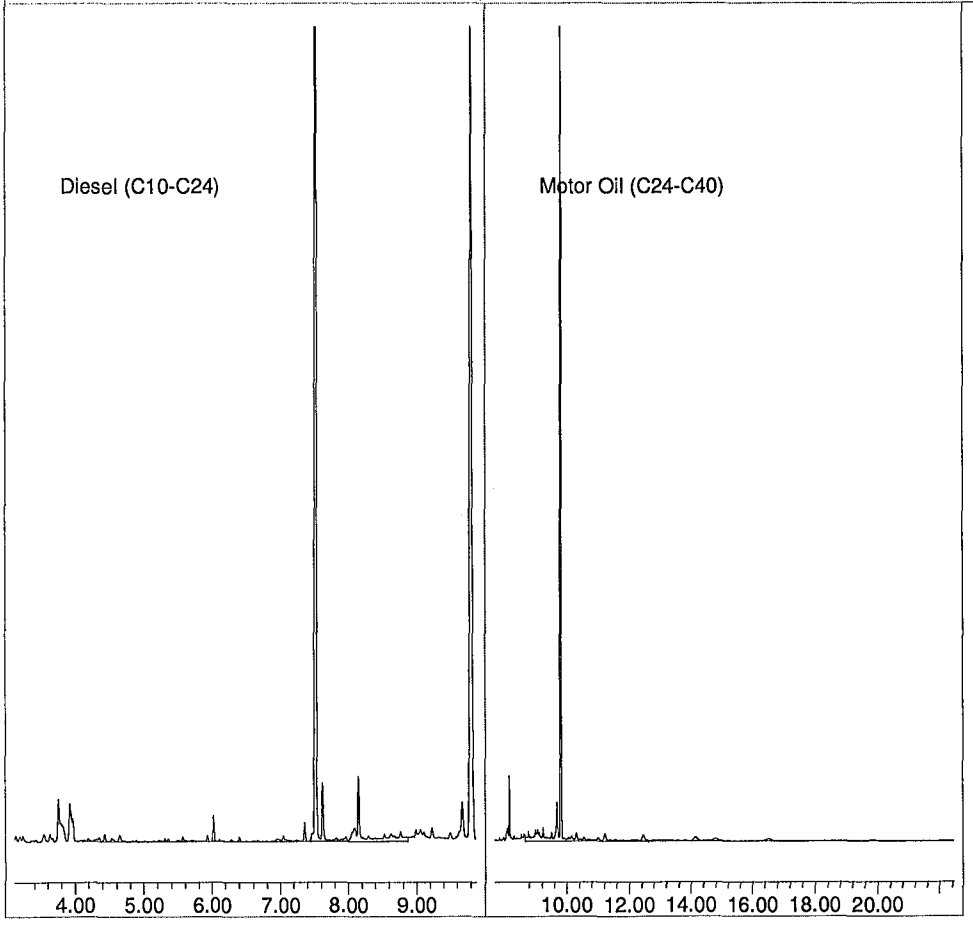
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.52	122056968	109.722 ppb
Surrogate Spike 150.000		Recovery =	73.15%
4) SA Octacosane(S)	9.79	108133063	127.817 ppb
Surrogate Spike 150.000		Recovery =	85.21%
Target Compounds			
1) HATM Diesel (C10-C24)	6.48	47980834	23.609 ppb
2) HBTM Motor Oil (C24-C40)	15.05	66044542	91.294 ppb
Target Compounds			

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

Data File: G:\APOLLO\DATA\210824\824046.D
Sample : BA37429W01 5/1000





Quantitation Report (QT Reviewed)

Data File : G:\APOLLO\DATA\210824\824047.D
Acq On : 8-25-21 12:55:47
Sample : BA37432W01 5/1000
Misc : water
IntFile : events.e
Quant Time: Aug 30 14:56 2021 Quant Results File: DOC0823.RES

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

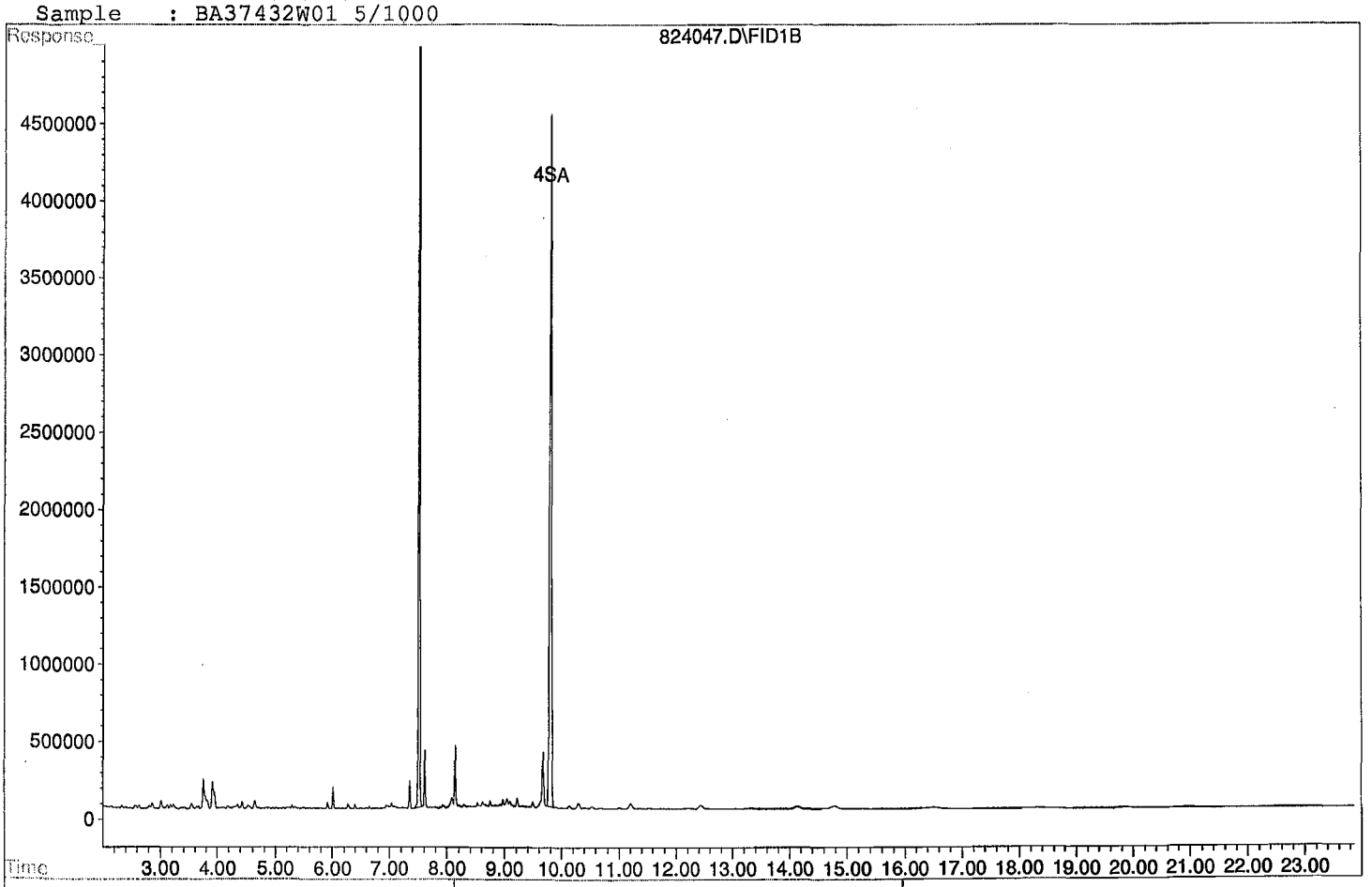
Method : G:\APOLLO\DATA\210823\DOC0823.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Sep 02 15:20:00 2021
Response via : Multiple Level Calibration

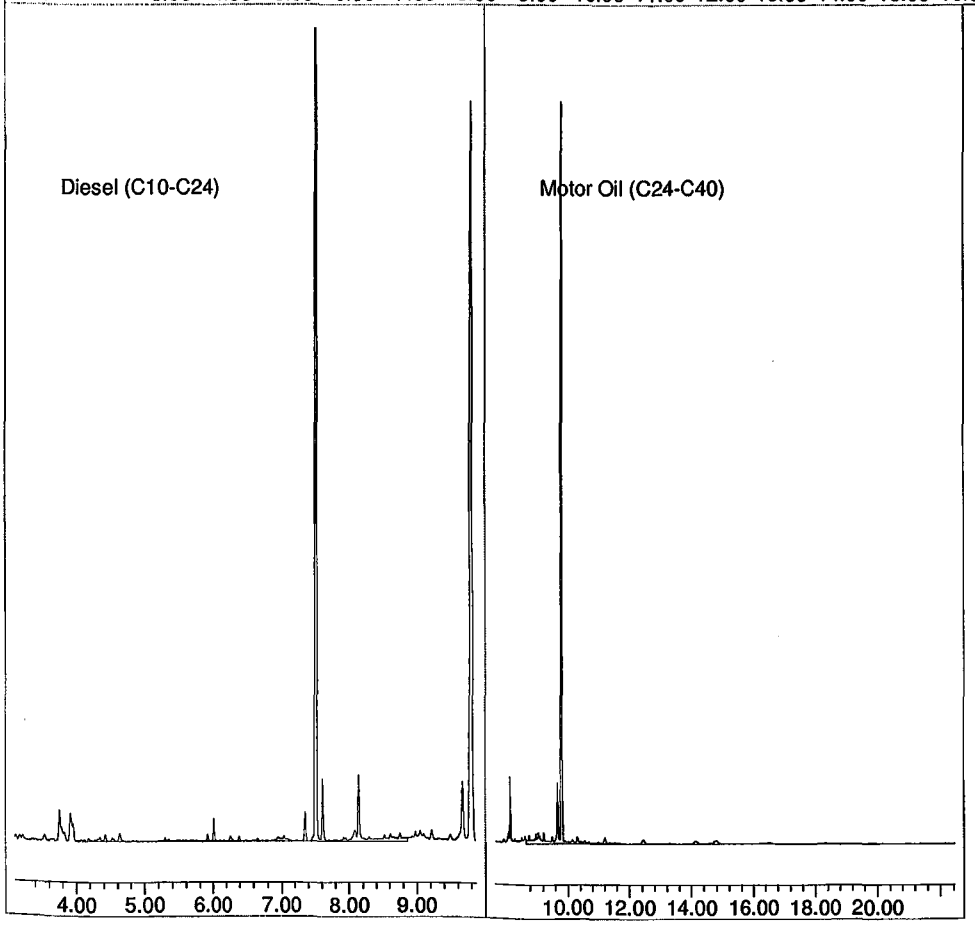
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.51	112322867	100.972 ppb
Surrogate Spike 150.000		Recovery =	67.31%
4) SA Octacosane(S)	9.80	97198078	114.892 ppb
Surrogate Spike 150.000		Recovery =	76.59%
Target Compounds			
1) HATM Diesel (C10-C24)	6.48	43198606	17.947 ppb
2) HBTM Motor Oil (C24-C40)	15.05	62897174	86.944 ppb
Target Compounds			

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

Data File: G:\APOLLO\DATA\210824\824047.D
Sample : BA37432W01 5/1000





Quantitation Report (QT Reviewed)

Data File : G:\APOLLO\DATA\210824\824040.D Vial: 40
Acq On : 8-25-21 9:36:05 Operator: KA
Sample : 210809A BLK 5/1000 Inst : Apollo
Misc : water Multiplr: 5.00
IntFile : events.e
Quant Time: Aug 30 14:56 2021 Quant Results File: DOC0823.RES

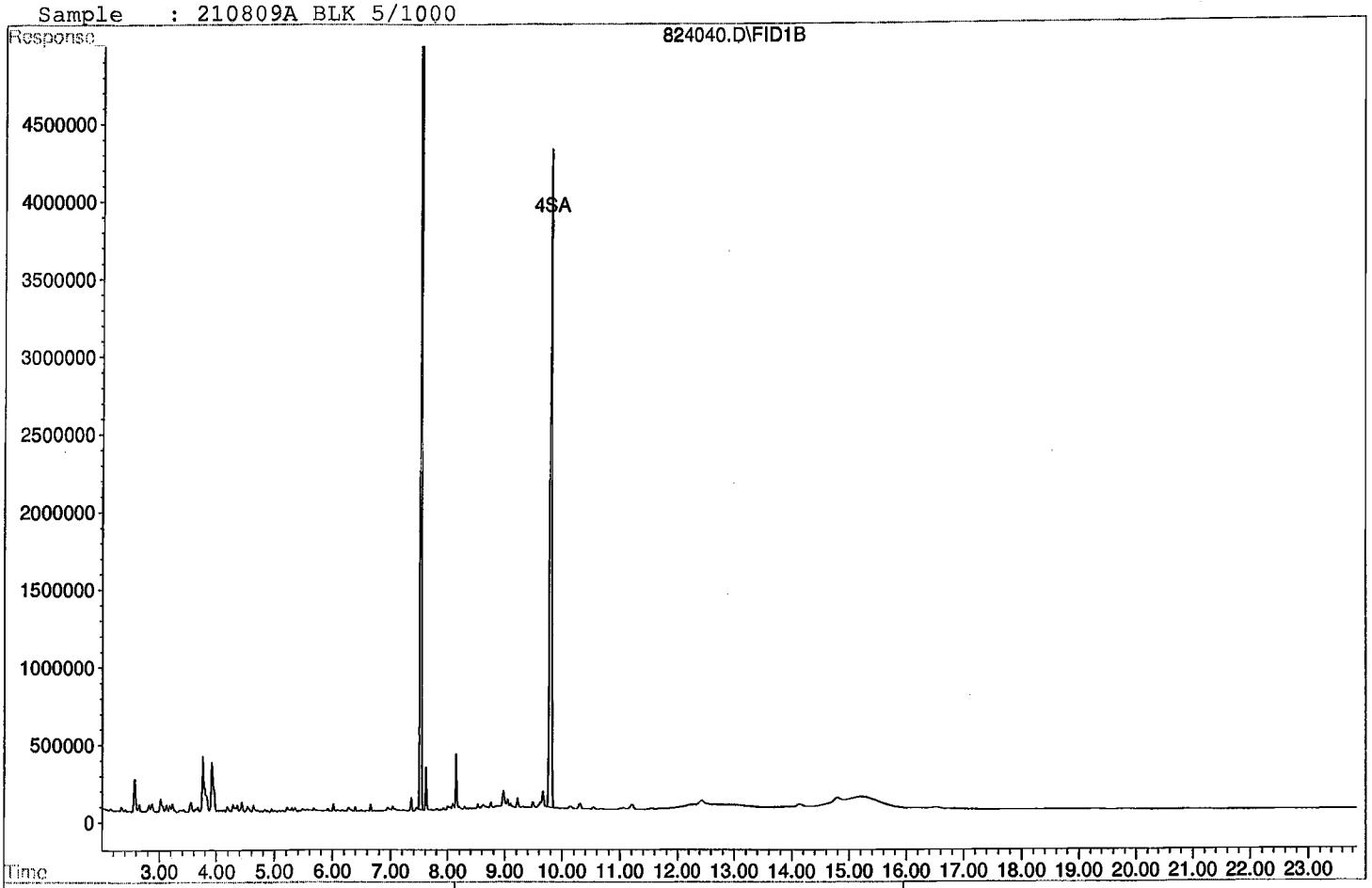
Method : G:\APOLLO\DATA\210823\DOC0823.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Sep 02 15:20:00 2021
Response via : Multiple Level Calibration

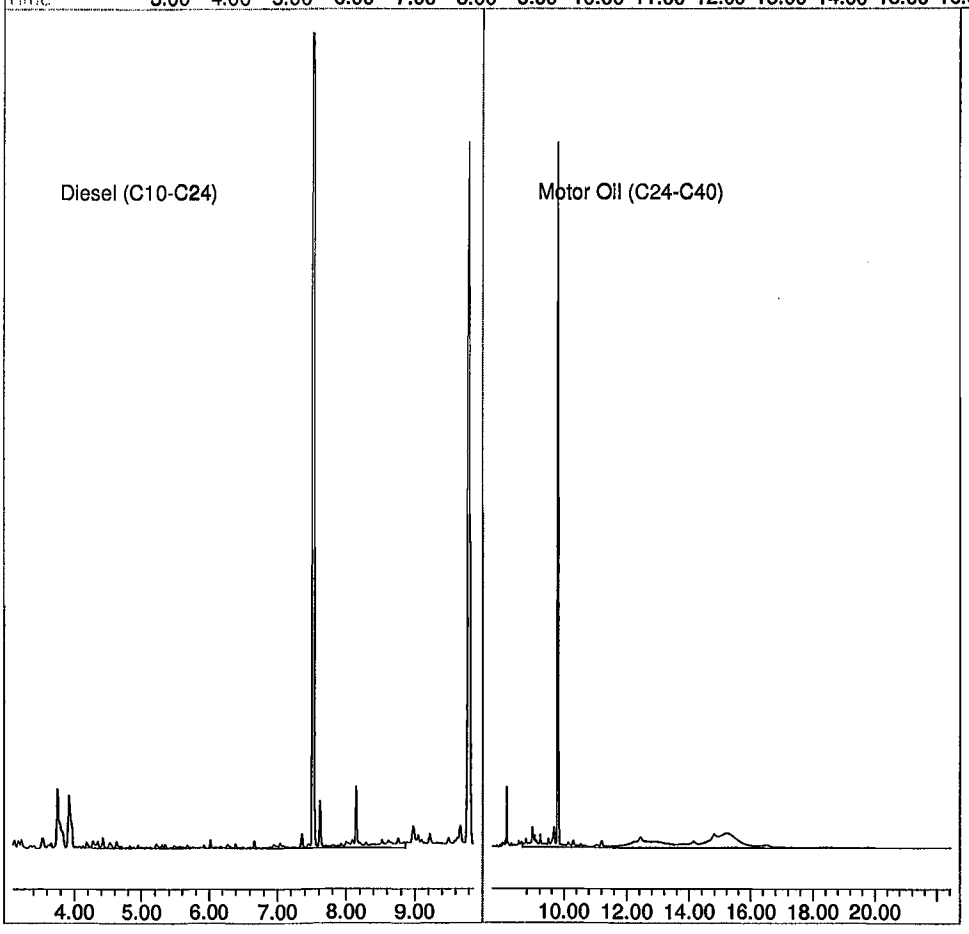
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.52	135940103	122.202 ppb
Surrogate Spike 150.000		Recovery =	81.47%
4) SA Octacosane(S)	9.80	93721982	110.783 ppb
Surrogate Spike 150.000		Recovery =	73.86%
Target Compounds			
1) HATM Diesel (C10-C24)	6.48	48908292	24.707 ppb
2) HBTM Motor Oil (C24-C40)	15.05	162408044	224.499 ppb
Target Compounds			

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

Data File: G:\APOLLO\DATA\210824\824040.D
Sample : 210809A BLK 5/1000





Quantitation Report (QT Reviewed)

Data File : G:\APOLLO\DATA\210824\824041.D Vial: 41
Acq On : 8-25-21 10:04:42 Operator: KA
Sample : 210809A LCS-1 5/1000 Inst : Apollo
Misc : water Multiplr: 5.00
IntFile : events.e
Quant Time: Aug 30 14:56 2021 Quant Results File: DOC0823.RES

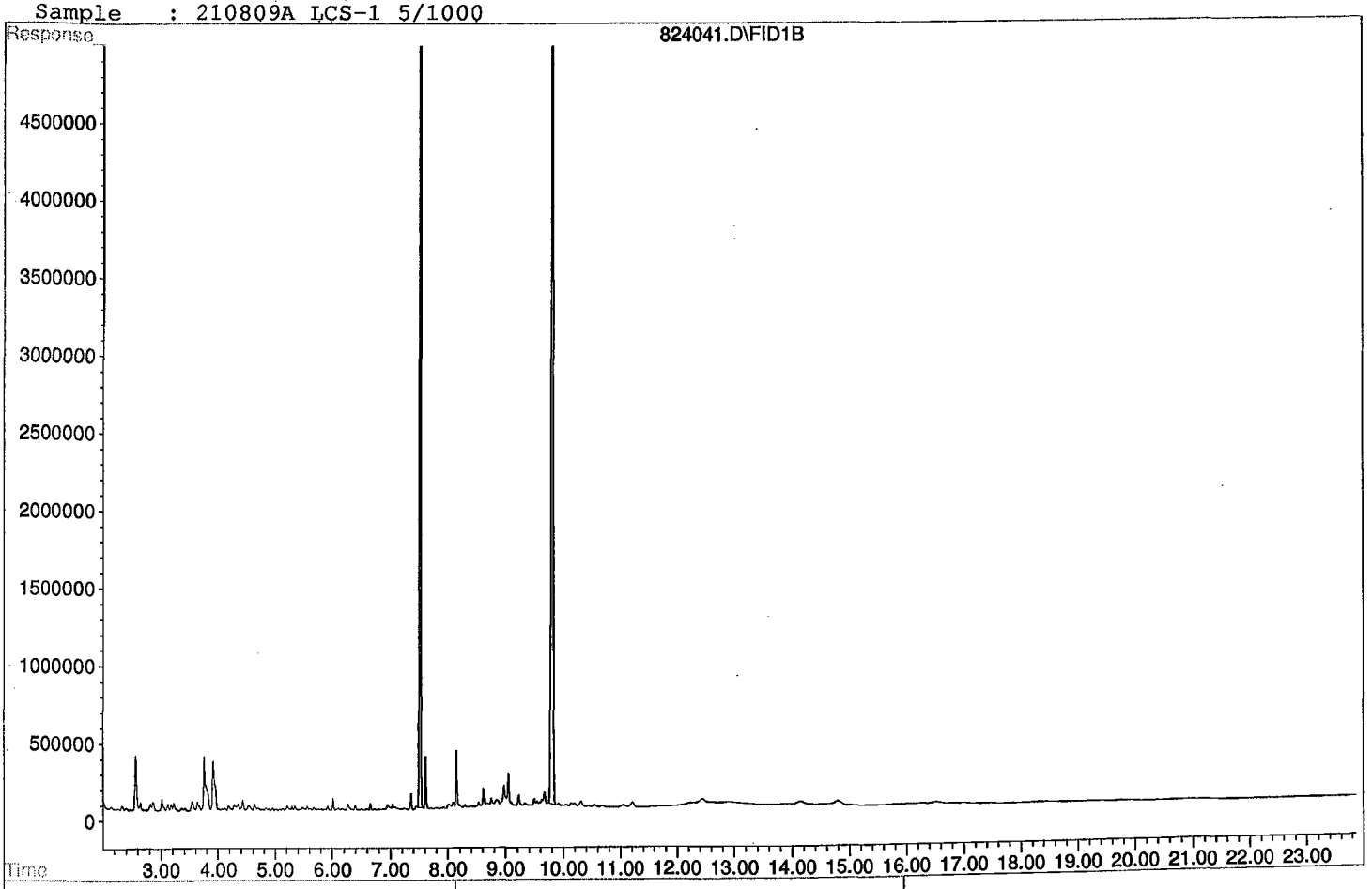
Method : G:\APOLLO\DATA\210823\DOC0823.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Sep 02 15:20:00 2021
Response via : Multiple Level Calibration

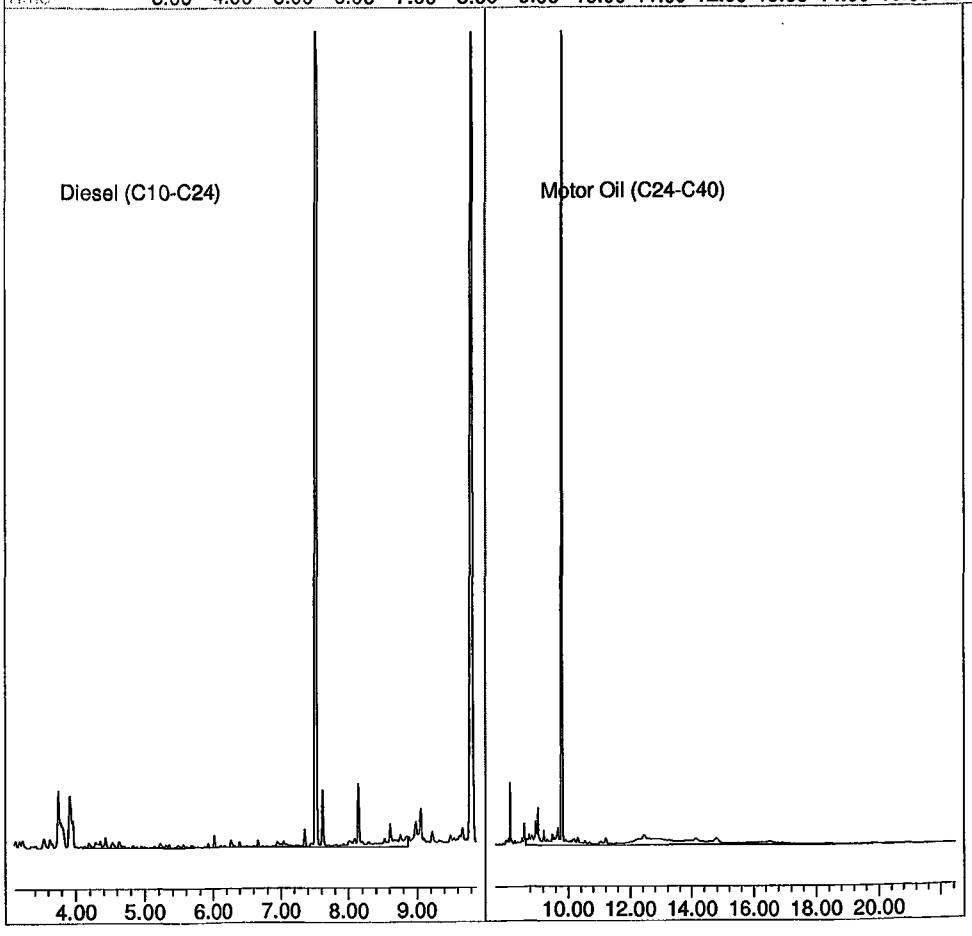
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.52	146467528	131.666 ppb
Surrogate Spike 150.000		Recovery =	87.78%
4) SA Octacosane(S)	9.80	119947009	141.782 ppb
Surrogate Spike 150.000		Recovery =	94.52%
Target Compounds			
1) HATM Diesel (C10-C24)	6.48	54835286	31.724 ppb
2) HBTM Motor Oil (C24-C40)	15.05	137630599	190.248 ppb
Target Compounds			

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

Data File: G:\APOLLO\DATA\210824\824041.D
Sample : 210809A LCS-1 5/1000





Quantitation Report (QT Reviewed)

Data File : G:\APOLLO\DATA\210824\824042.D Vial: 42
Acq On : 8-25-21 10:33:14 Operator: KA
Sample : 210809A LCSD-1 5/1000 Inst : Apollo
Misc : water Multiplr: 5.00
IntFile : events.e
Quant Time: Aug 30 14:56 2021 Quant Results File: DOC0823.RES

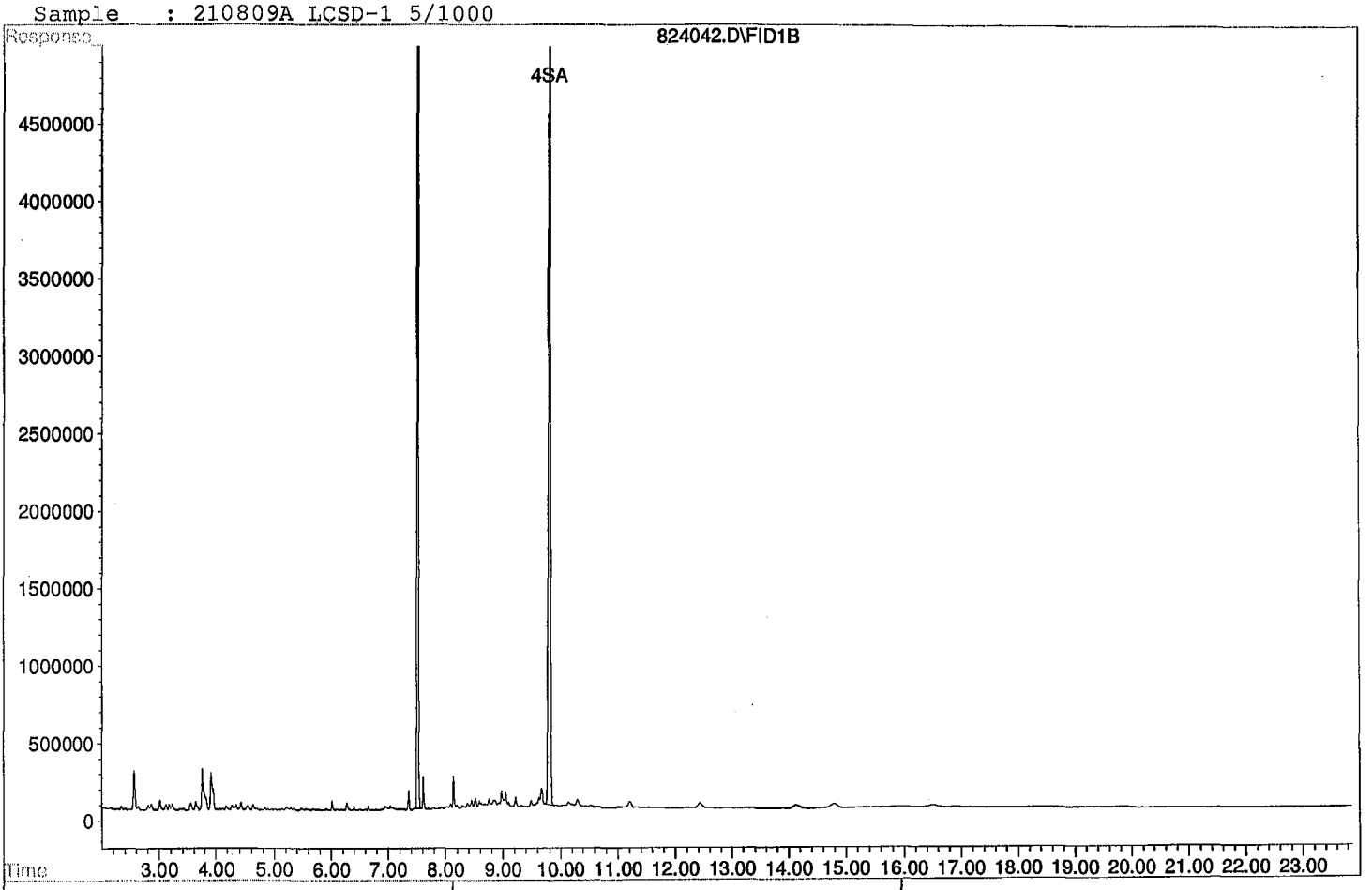
Method : G:\APOLLO\DATA\210823\DOC0823.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Sep 02 15:20:00 2021
Response via : Multiple Level Calibration

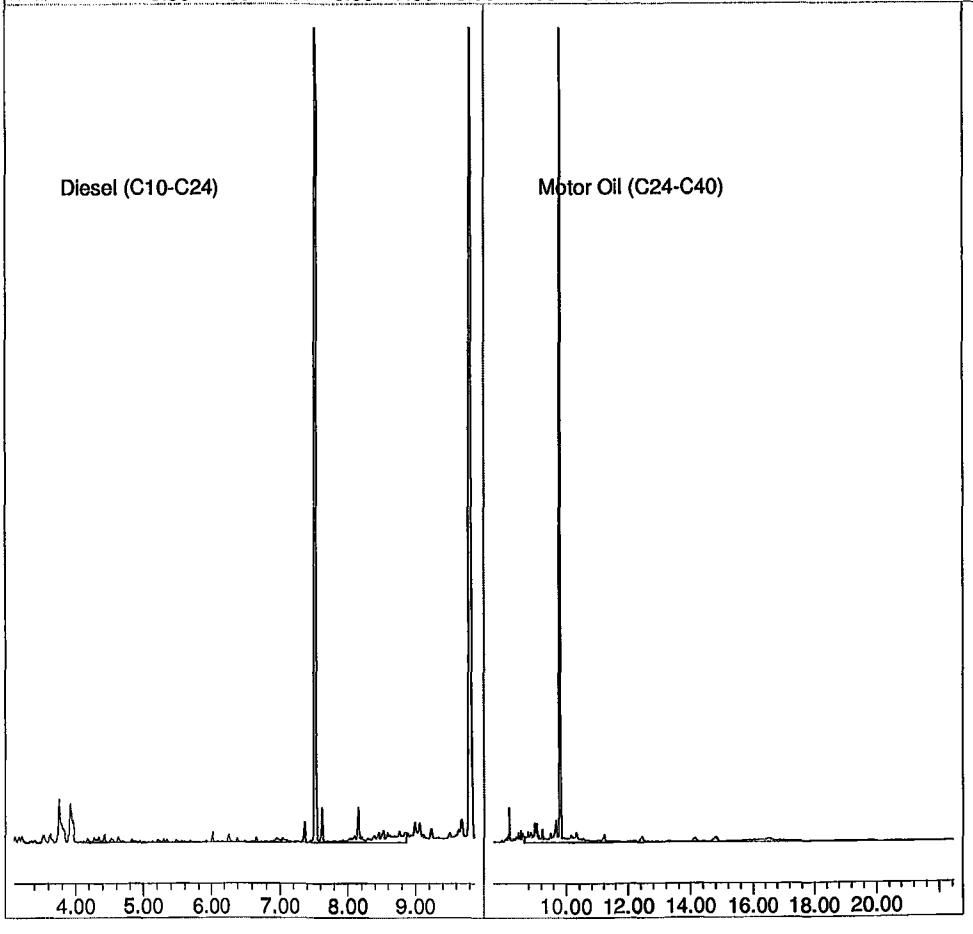
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.52	136386953	122.604 ppb
Surrogate Spike 150.000		Recovery =	81.74%
4) SA Octacosane(S)	9.80	113231630	133.844 ppb
Surrogate Spike 150.000		Recovery =	89.23%
Target Compounds			
1) HATM Diesel (C10-C24)	6.48	45181047	20.294 ppb
2) HBTM Motor Oil (C24-C40)	15.05	95649899	132.218 ppb
Target Compounds			

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

Data File: G:\APOLLO\DATA\210824\824042.D
Sample : 210809A 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: 8/24/2021
Expires: 8/24/2022

Prepared By (Initials): KA

Methylene Chloride
Lot No. 61117

Initial Standard Information							Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	APPL Mix Name	Conc. (ug/mL)	Reference to APPL Prep Date and Lot #'s	Exp. Date	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	**Prepared 8/23/21 A0164485-52662, A0165510-52666, CL16893-52844**	**8/23/2022**	**10/31/2027 03/31/2028 5/31/2026**	1250uL	10mL	MC	250

Name of Final Standard **THC Surrogate** **Prep'd By (Initials)** **MA**

Prep Date **8/4/2021**
Exp Date **8/4/2022**

Initial Standard Information						Final Standard Information				
Name of Initial Standard (QAU Label)	Supplier	Supplier Part No.	Conc.(mg/L))	Lot # with QA # (or reference to APPL prep date)	EXP DATE (1Yr)	Exp Date (Manufacturer)	Aliquot from Stock	Final Volume	Final Solvent + Lot# (or APPL Prep Date)	Final Standard Conc (range)
O-terphenyl/ Octacosane Mix	Phhenova	ALO-13016	600 mg/L	**CL15902-52328**	**7/1/2022**	**10/31/2025**	NA	NA	NA	600 mg/L

Organic Extraction Worksheet

Method	Continuous Liq/Liq TPH-Diesel/MO 3520C	Extraction Set	210809A	Extraction Method	LIQ005	Units	mL

Spiked ID 1			Surrogate ID 1	THC Surrogate	
Spiked ID 2			Surrogate ID 2		
Spiked ID 3			Surrogate ID 3		
Spiked ID 4			Surrogate ID 4		
Spiked ID 5			Surrogate ID 5		
Spiked ID 6			Sufficient Vol for Matrix QC:	NO	
Spiked ID 7			Ext. Start Time:		
Spiked ID 8			Ext. End Time:		
			GC Requires Extract By:		

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

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

	Sample	Sample Container	Spike Amount	Spike ID	Surrogate Amount	Surrogate ID	Extract Amount	Final Volume	pH	Extract Date/Time	Comments
1	210809A Blk				0.250	1 equip	1000	5	2	08/09/21 10:20	
2	210809A LCS-1				0.250	1 equip	1000	5	2	08/09/21 10:20	
3	210809A LCSD-1				0.250	1 equip	1000	5	2	08/09/21 10:20	
4	BA37289	BA37289W01			0.250	1 equip	1000	5	2	08/09/21 10:20	97069
5	BA37423	BA37423W01			0.250	1 equip	1000	5	2	08/10/21 8:25	97057
6	BA37426	BA37426W01			0.250	1 equip	1000	5	2	08/10/21 8:25	97057
7	BA37429	BA37429W01			0.250	1 equip	1000	5	2	08/10/21 8:25	97057
8	BA37432	BA37432W01			0.250	1 equip	1000	5	2	08/10/21 8:25	97057

Solvent and Lot#	
1+1 HCL (5mLs)	*
PH Strips	*
Dicholormethane	*
Filter Paper	*
Sodium Sulfate	*
Silica Gel (*)	*

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

	Technician's Initials
Scanned By	
Sample Preparation	
Extraction	
Concentration	

Modified	8/11/2021 4:11:08 PM

Reviewed By: **Date**

Injection Log

Directory: G:\APOLLO\DATA\210823\

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	3	823003.D	1	DMO Curve 1	water	8-23-21 18:21:55
2	4	823004.D	1	DMO Curve 2	water	8-23-21 18:50:30
3	5	823005.D	1	DMO Curve 3	water	8-23-21 19:18:55
4	6	823006.D	1	DMO Curve 4	water	8-23-21 19:47:24
5	7	823007.D	1	DMO Curve 5	water	8-23-21 20:15:46
6	8	823008.D	1	DMO Curve 6	water	8-23-21 20:44:20
7	9	823009.D	1	DMO Curve 7	water	8-23-21 21:12:52
8	10	823010.D	1	DMO Second Source	water	8-23-21 21:41:26
9	31	824031.D	1	Diesel Motor Oil CCV 8/24/21	water	8-25-21 5:19:13
10	40	824040.D	5	210809A BLK 5/1000	water	8-25-21 9:36:05
11	41	824041.D	5	210809A LCS-1 5/1000	water	8-25-21 10:04:42
12	42	824042.D	5	210809A LCSD-1 5/1000	water	8-25-21 10:33:14
13	44	824044.D	5	BA37423W01 5/1000	water	8-25-21 11:30:20
14	45	824045.D	5	BA37426W01 5/1000	water	8-25-21 11:58:50
15	46	824046.D	5	BA37429W01 5/1000	water	8-25-21 12:27:20
16	47	824047.D	5	BA37432W01 5/1000	water	8-25-21 12:55:47
17	48	824048.D	1	Diesel Motor Oil CCV 8/24/21	water	8-25-21 13:24:22

ORGANICS
Calibration Data

PAH by GCMS SIM
EPA 8270 SIM

Form 6
Initial Calibration

Lab Name: APPL, Inc. SDG No:
Case No: Initial Cal. Date: 07/15/21
Matrix: Instrument: Linus Initials: MA

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

Quantitation Report (Not Reviewed)

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

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

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

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Napthalene-D8(IS)	4.05	136	37575	2.50000	ppb		0.00
6) Acenaphthene-D10(IS)	6.05	164	18144	2.50000	ppb		0.00
10) Phenanthrene-D10(IS)	7.77	188	29646	2.50000	ppb		0.01
15) Chrysene-D12(IS)	10.87	240	41394	2.50000	ppb		0.00
20) Perylene-D12(IS)	13.25	264	37425	2.50000	ppb		0.00
System Monitoring Compounds							
3) 2-Methylnaphthalene-D10 (2	4.83	152	931	0.05241	ppb		0.01
Spiked Amount 5.000			Recovery = 1.040%				
13) Fluoranthene-D10 (FRT)	9.16	212	1159	0.05082	ppb		0.01
Spiked Amount 5.000			Recovery = 1.020%				
Target Compounds							Qvalue
2) Naphthalene	4.07	128	1889	0.10687	ppb		99
4) 2-Methylnaphthalene	4.87	142	1098	0.10566	ppb		97
5) 1-Methylnaphthalene	4.97	142	1158	0.10944	ppb		97
7) Acenaphthylene	5.89	152	3621	0.10473	ppb		99
8) Acenaphthene	6.08	154	1068	0.11517	ppb		98
9) Fluorene	6.69	166	1225	0.10736	ppb		99
11) Phenanthrene	7.80	178	1788	0.11158	ppb		99
12) Anthracene	7.86	178	1575	0.10793	ppb		96
14) Fluoranthene	9.18	202	2503	0.10361	ppb		96
16) Pyrene	9.43	202	2535	0.10389	ppb	#	89
17) Benz (a) anthracene	10.86	228	2263	0.10450	ppb		98
18) Chrysene	10.90	228	2570	0.11381	ppb		99
19) Indeno (1,2,3-cd) pyrene	14.76	276	2095	0.09907	ppb	#	87
21) Benzo (b) fluoranthene	12.58	252	1809	0.09444	ppb		98
22) Benzo (k) fluoranthene	12.64	252	2243	0.10655	ppb		97
23) Benzo (a) pyrene	13.16	252	1739	0.09553	ppb		97
24) Dibenz (a,h) anthracene	14.79	278	1576	0.09322	ppb		96
25) Benzo (g,h,i) perylene	15.11	276	1845	0.10102	ppb		96

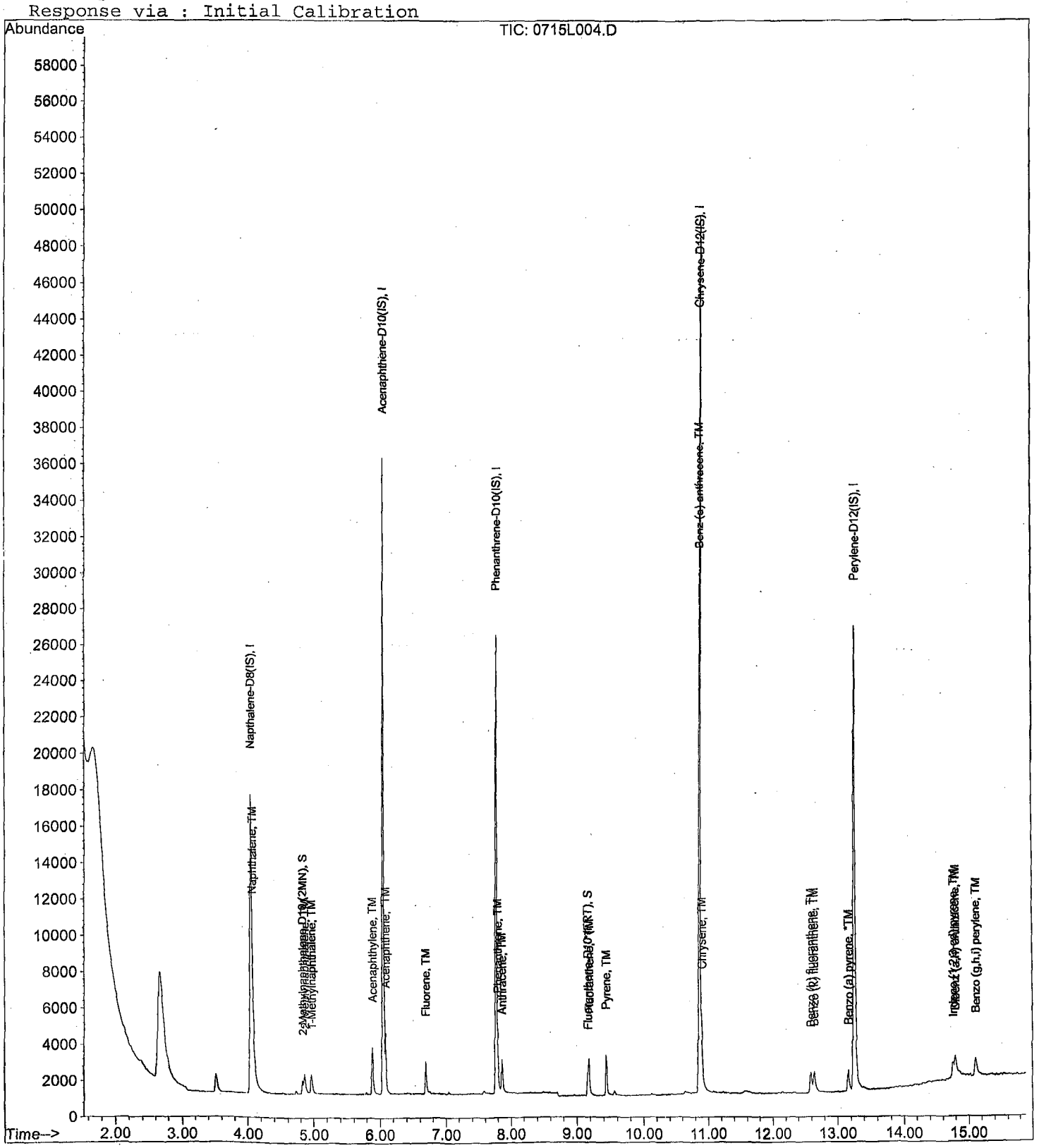
(#) = qualifier out of range (m) = manual integration

Quantitation Report

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

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

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



Quantitation Report (Not Reviewed)

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

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

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

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Napthalene-D8(IS)	4.05	136	35629	2.50000	ppb		0.00
6) Acenaphthene-D10(IS)	6.05	164	17068	2.50000	ppb		0.00
10) Phenanthrene-D10(IS)	7.77	188	28139	2.50000	ppb		0.01
15) Chrysene-D12(IS)	10.87	240	39487	2.50000	ppb		0.00
20) Perylene-D12(IS)	13.25	264	35556	2.50000	ppb		0.00
System Monitoring Compounds							
3) 2-Methylnaphthalene-D10 (2	4.83	152	1792	0.10639	ppb		0.01
Spiked Amount 5.000			Recovery =	2.120%			
13) Fluoranthene-D10 (FRT)	9.16	212	2232	0.10312	ppb		0.01
Spiked Amount 5.000			Recovery =	2.060%			
Target Compounds							Qvalue
2) Naphthalene	4.07	128	3591	0.21425	ppb		98
4) 2-Methylnaphthalene	4.87	142	2063	0.20937	ppb		99
5) 1-Methylnaphthalene	4.96	142	2131	0.21239	ppb		98
7) Acenaphthylene	5.88	152	7024	0.21596	ppb		98
8) Acenaphthene	6.08	154	2000	0.22927	ppb		97
9) Fluorene	6.69	166	2311	0.21530	ppb		97
11) Phenanthrene	7.80	178	3355	0.22058	ppb		99
12) Anthracene	7.86	178	2955	0.21334	ppb		99
14) Fluoranthene	9.17	202	4886	0.21307	ppb	#	93
16) Pyrene	9.43	202	4900	0.21052	ppb	#	90
17) Benz (a) anthracene	10.86	228	4165	0.20162	ppb		99
18) Chrysene	10.90	228	4777	0.22175	ppb		98
19) Indeno (1,2,3-cd) pyrene	14.75	276	3940	0.19531	ppb	#	97
21) Benzo (b) fluoranthene	12.58	252	3130	0.17199	ppb		97
22) Benzo (k) fluoranthene	12.64	252	4487	0.22436	ppb		96
23) Benzo (a) pyrene	13.16	252	3087	0.17849	ppb		100
24) Dibenz (a,h) anthracene	14.79	278	3166	0.19712	ppb		96
25) Benzo (g,h,i) perylene	15.10	276	3507	0.20212	ppb		98

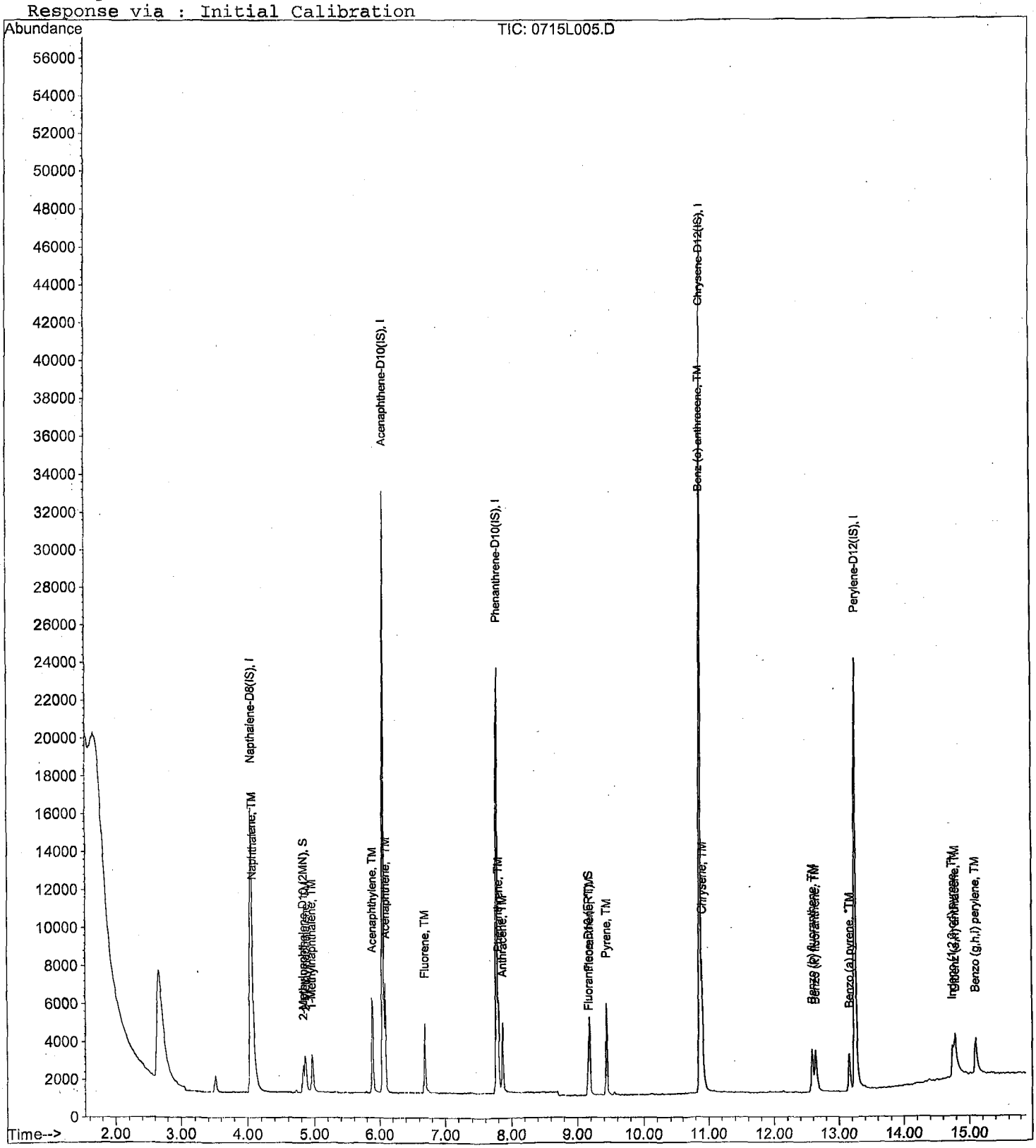
(#) = qualifier out of range (m) = manual integration

Quantitation Report

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

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

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



Quantitation Report (Not Reviewed)

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

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

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

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Napthalene-D8(IS)	4.05	136	35237	2.50000	ppb		0.00
6) Acenaphthene-D10(IS)	6.05	164	17128	2.50000	ppb		0.00
10) Phenanthrene-D10(IS)	7.77	188	27537	2.50000	ppb		0.01
15) Chrysene-D12(IS)	10.87	240	39592	2.50000	ppb		0.00
20) Perylene-D12(IS)	13.25	264	35596	2.50000	ppb		0.00
System Monitoring Compounds							
3) 2-Methylnaphthalene-D10 (2	4.83	152	4340	0.26053	ppb		0.01
Spiked Amount 5.000			Recovery = 5.220%				
13) Fluoranthene-D10 (FRT)	9.15	212	5435	0.25658	ppb		0.00
Spiked Amount 5.000			Recovery = 5.140%				
Target Compounds							Qvalue
2) Naphthalene	4.07	128	8783	0.52985	ppb		99
4) 2-Methylnaphthalene	4.85	142	5283	0.54212	ppb		100
5) 1-Methylnaphthalene	4.96	142	5426	0.54682	ppb		98
7) Acenaphthylene	5.88	152	17418	0.53366	ppb		99
8) Acenaphthene	6.08	154	4703	0.53724	ppb		96
9) Fluorene	6.69	166	5834	0.54161	ppb		98
11) Phenanthrene	7.80	178	8242	0.55372	ppb		99
12) Anthracene	7.86	178	7355	0.54262	ppb		99
14) Fluoranthene	9.17	202	12453	0.55494	ppb		96
16) Pyrene	9.43	202	12589	0.53943	ppb		96
17) Benz (a) anthracene	10.86	228	10607	0.51211	ppb		99
18) Chrysene	10.90	228	11846	0.54845	ppb		99
19) Indeno (1,2,3-cd) pyrene	14.75	276	9946	0.49172	ppb	#	92
21) Benzo (b) fluoranthene	12.58	252	8693	0.47712	ppb		97
22) Benzo (k) fluoranthene	12.63	252	11018	0.55031	ppb		98
23) Benzo (a) pyrene	13.15	252	8748	0.50524	ppb		96
24) Dibenz (a,h) anthracene	14.78	278	8092	0.50325	ppb		97
25) Benzo (g,h,i) perylene	15.10	276	8749	0.50366	ppb		93

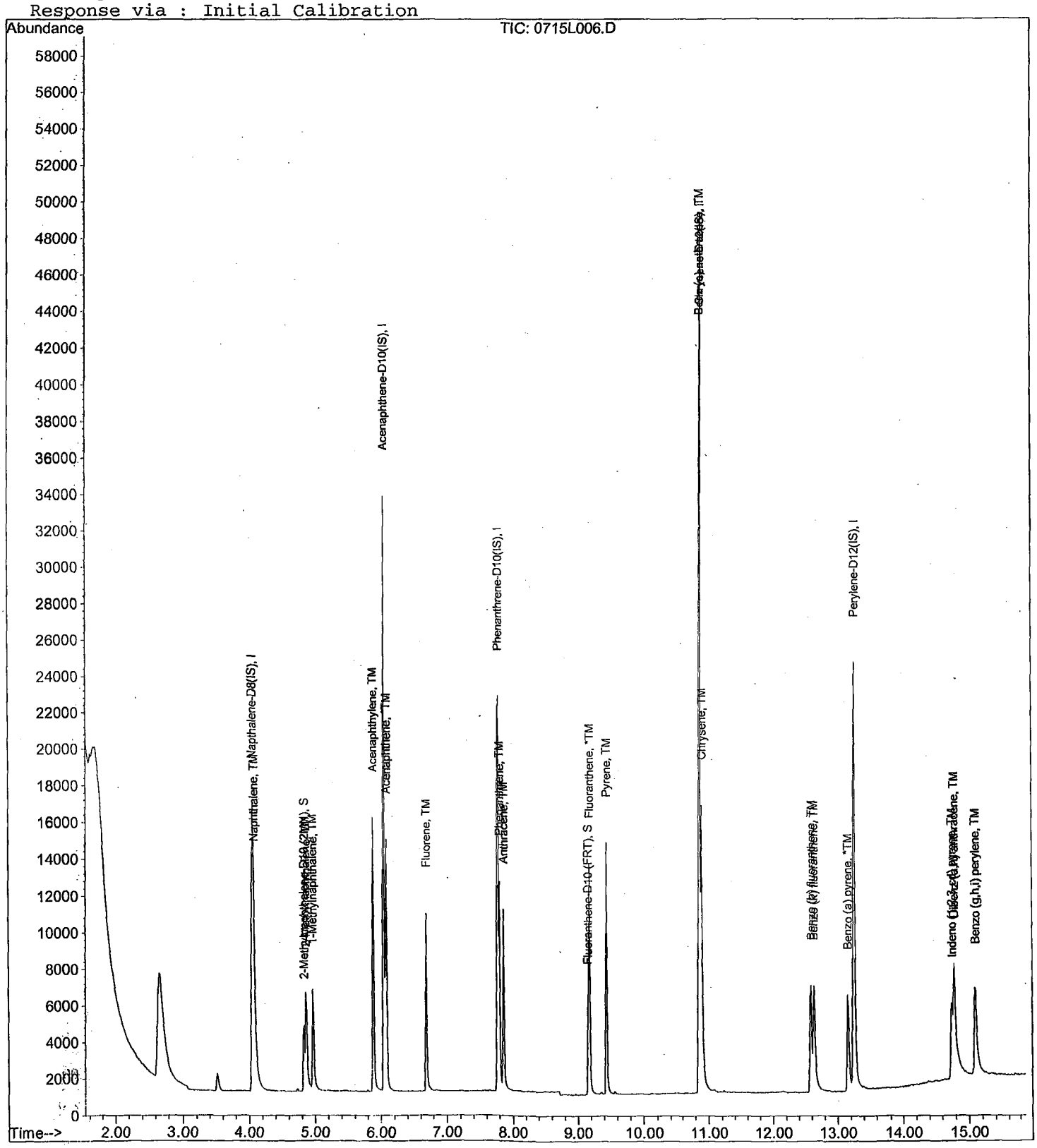
(#) = qualifier out of range (m) = manual integration

Quantitation Report

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

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

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



Quantitation Report (Not Reviewed)

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

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

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

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Napthalene-D8(IS)	4.05	136	38292	2.50000	ppb		0.00
6) Acenaphthene-D10(IS)	6.05	164	18623	2.50000	ppb		0.00
10) Phenanthrene-D10(IS)	7.77	188	29963	2.50000	ppb		0.01
15) Chrysene-D12(IS)	10.87	240	43524	2.50000	ppb		0.00
20) Perylene-D12(IS)	13.25	264	38871	2.50000	ppb		0.00
System Monitoring Compounds							
3) 2-Methylnaphthalene-D10 (2	4.82	152	9356	0.51684	ppb		0.00
Spiked Amount 5.000			Recovery	=	10.340%		
13) Fluoranthene-D10 (FRT)	9.15	212	12003	0.52077	ppb		0.00
Spiked Amount 5.000			Recovery	=	10.420%		
Target Compounds							Qvalue
2) Naphthalene	4.07	128	18630	1.03422	ppb		98
4) 2-Methylnaphthalene	4.85	142	11058	1.04419	ppb		97
5) 1-Methylnaphthalene	4.96	142	11413	1.05841	ppb		99
7) Acenaphthylene	5.88	152	37240	1.04938	ppb		99
8) Acenaphthene	6.08	154	9909	1.04107	ppb		97
9) Fluorene	6.69	166	12181	1.04006	ppb		96
11) Phenanthrene	7.80	178	17262	1.06581	ppb		99
12) Anthracene	7.86	178	15687	1.06361	ppb		98
14) Fluoranthene	9.17	202	26927	1.10278	ppb		99
16) Pyrene	9.43	202	26820	1.04539	ppb		98
17) Benz (a) anthracene	10.86	228	22324	0.98044	ppb		99
18) Chrysene	10.90	228	24706	1.04050	ppb		99
19) Indeno (1,2,3-cd) pyrene	14.75	276	21431	0.96381	ppb	#	87
21) Benzo (b) fluoranthene	12.57	252	20143	1.01241	ppb		99
22) Benzo (k) fluoranthene	12.63	252	22266	1.01841	ppb		99
23) Benzo (a) pyrene	13.15	252	19153	1.01299	ppb		100
24) Dibenz (a,h) anthracene	14.78	278	17922	1.02067	ppb		98
25) Benzo (g,h,i) perylene	15.08	276	19030	1.00321	ppb		100

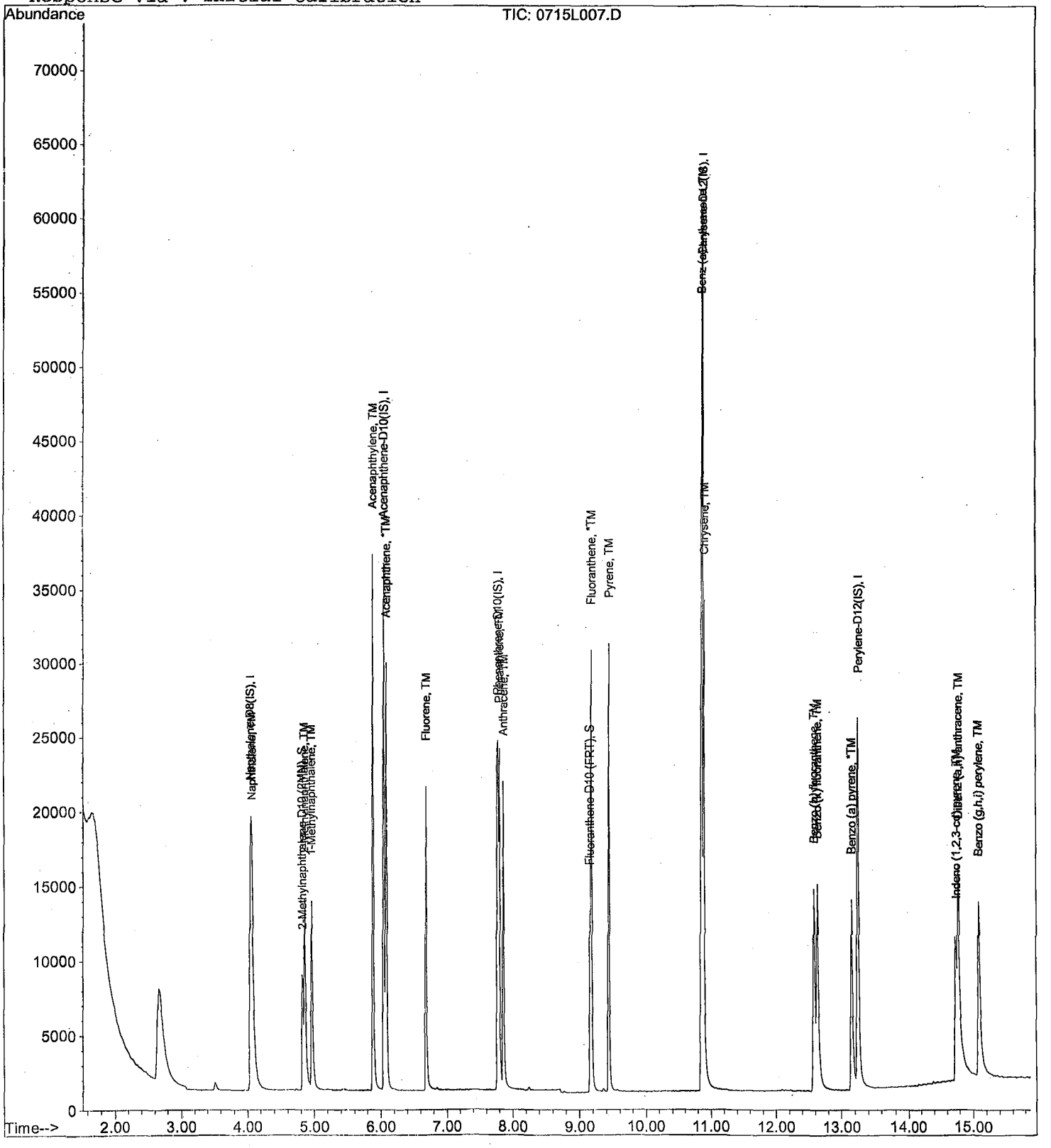
(#) = qualifier out of range (m) = manual integration

Quantitation Report

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

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

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



Quantitation Report (Not Reviewed)

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

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

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

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Napthalene-D8(IS)	4.05	136	34900	2.50000 ppb	0.00
6) Acenaphthene-D10(IS)	6.05	164	16606	2.50000 ppb	0.00
10) Phenanthrene-D10(IS)	7.76	188	27860	2.50000 ppb	0.00
15) Chrysene-D12(IS)	10.87	240	41147	2.50000 ppb	0.00
20) Perylene-D12(IS)	13.25	264	36706	2.50000 ppb	0.00
System Monitoring Compounds					
3) 2-Methylnaphthalene-D10 (2	4.82	152	39468	2.39217 ppb	0.00
Spiked Amount 5.000			Recovery	= 47.840%	
13) Fluoranthene-D10 (FRT)	9.15	212	52239	2.43756 ppb	0.00
Spiked Amount 5.000			Recovery	= 48.760%	
Target Compounds					Qvalue
2) Naphthalene	4.07	128	81609	4.97072 ppb	100
4) 2-Methylnaphthalene	4.85	142	49805	5.16010 ppb	100
5) 1-Methylnaphthalene	4.96	142	50499	5.13829 ppb	100
7) Acenaphthylene	5.88	152	170062	5.37421 ppb	100
8) Acenaphthene	6.08	154	44879	5.28784 ppb	100
9) Fluorene	6.69	166	55904	5.35305 ppb	100
11) Phenanthrene	7.80	178	78705	5.22631 ppb	100
12) Anthracene	7.86	178	74665	5.44458 ppb	100
14) Fluoranthene	9.17	202	124013	5.46226 ppb	100
16) Pyrene	9.43	202	126257	5.20554 ppb	100
17) Benz (a) anthracene	10.86	228	109532	5.08837 ppb	100
18) Chrysene	10.90	228	114640	5.10702 ppb	100
19) Indeno (1,2,3-cd) pyrene	14.74	276	108069	5.14090 ppb	100
21) Benzo (b) fluoranthene	12.57	252	102359	5.44815 ppb	100
22) Benzo (k) fluoranthene	12.63	252	109857	5.32104 ppb	100
23) Benzo (a) pyrene	13.15	252	96348	5.39634 ppb	100
24) Dibenz (a,h) anthracene	14.78	278	90207	5.44038 ppb	100
25) Benzo (g,h,i) perylene	15.08	276	94778	5.29114 ppb	100

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

Quantitation Report

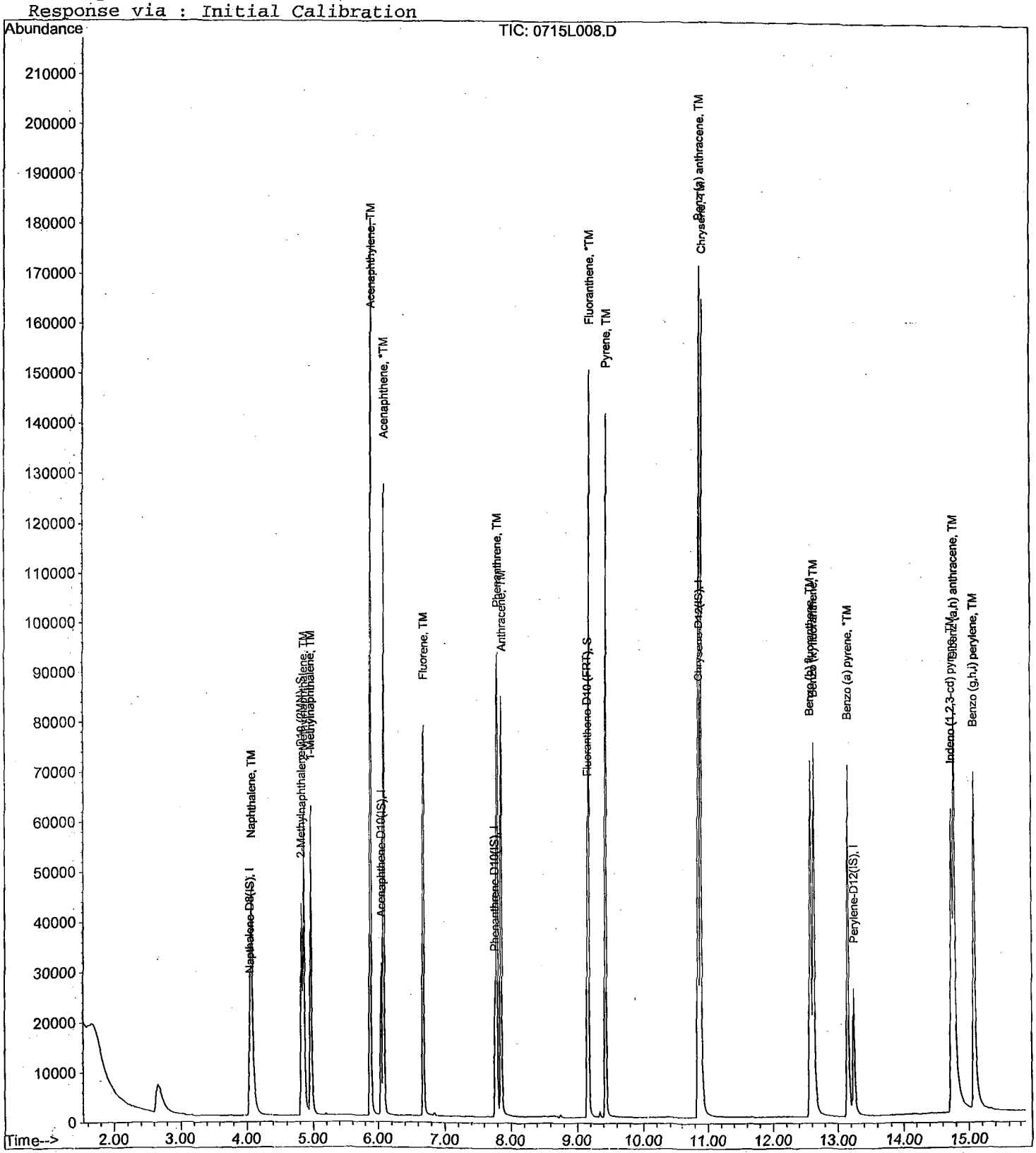
Data File : M:\LINUS\DATA\L210715\0715L008.D
Acq On : 15 Jul 21 10:32
Sample : 5 SIM 07/08/21
Misc :

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

Quant Time: Jul 15 12:01 2021

Quant Results File: L0715.RES

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



Quantitation Report (Not Reviewed)

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

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

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

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
1) Napthalene-D8(IS)	4.05	136	35868	2.50000 ppb		0.00
6) Acenaphthene-D10(IS)	6.05	164	17432	2.50000 ppb		0.00
10) Phenanthrene-D10(IS)	7.77	188	28073	2.50000 ppb		0.01
15) Chrysene-D12(IS)	10.87	240	41890	2.50000 ppb		0.00
20) Perylene-D12(IS)	13.25	264	38066	2.50000 ppb		0.00
System Monitoring Compounds						
3) 2-Methylnaphthalene-D10 (2	4.82	152	86019	5.07295 ppb		0.00
Spiked Amount 5.000			Recovery	= 101.460%		
13) Fluoranthene-D10 (FRT)	9.15	212	114053	5.28152 ppb		0.00
Spiked Amount 5.000			Recovery	= 105.640%		
Target Compounds						Qvalue
2) Naphthalene	4.07	128	157861	9.35565 ppb		100
4) 2-Methylnaphthalene	4.85	142	98389	9.91860 ppb		99
5) 1-Methylnaphthalene	4.96	142	98317	9.73381 ppb		99
7) Acenaphthylene	5.88	152	335060	10.08667 ppb		100
8) Acenaphthene	6.08	154	85339	9.57857 ppb		98
9) Fluorene	6.69	166	110925	10.11826 ppb		99
11) Phenanthrene	7.80	178	154599	10.18808 ppb		99
12) Anthracene	7.86	178	144986	10.49218 ppb		99
14) Fluoranthene	9.17	202	242662	10.60717 ppb		98
16) Pyrene	9.43	202	244903	9.91819 ppb		99
17) Benz (a) anthracene	10.86	228	218547	9.97265 ppb		99
18) Chrysene	10.90	228	220049	9.62894 ppb		99
19) Indeno (1,2,3-cd) pyrene	14.75	276	217707	10.17274 ppb	#	82
21) Benzo (b) fluoranthene	12.58	252	204889	10.51578 ppb		96
22) Benzo (k) fluoranthene	12.63	252	221936	10.36564 ppb		99
23) Benzo (a) pyrene	13.15	252	195436	10.55507 ppb		99
24) Dibenz (a,h) anthracene	14.78	278	181638	10.56321 ppb		98
25) Benzo (g,h,i) perylene	15.10	276	190634	10.26223 ppb	#	90

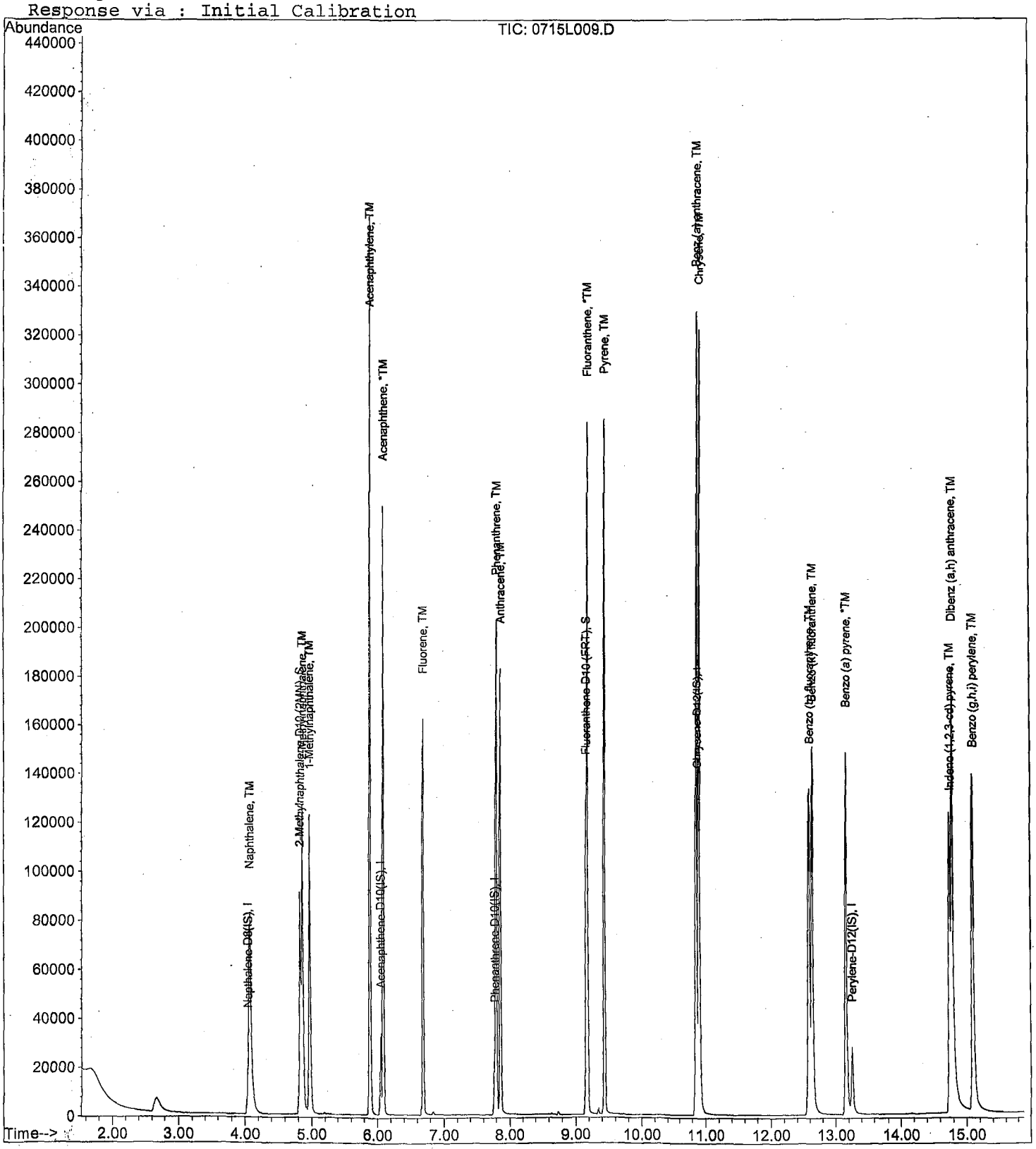
(#) = qualifier out of range (m) = manual integration

Quantitation Report

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

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

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



Quantitation Report (Not Reviewed)

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

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

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

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
1) Napthalene-D8(IS)	4.05	136	36547	2.50000 ppb		0.00
6) Acenaphthene-D10(IS)	6.05	164	17383	2.50000 ppb		0.00
10) Phenanthrene-D10(IS)	7.77	188	29211	2.50000 ppb		0.01
15) Chrysene-D12(IS)	10.88	240	39425	2.50000 ppb		0.01
20) Perylene-D12(IS)	13.26	264	37524	2.50000 ppb		0.01
System Monitoring Compounds						
3) 2-Methylnaphthalene-D10 (2	4.82	152	401356	23.23009 ppb		0.00
Spiked Amount 5.000			Recovery = 464.600%			
13) Fluoranthene-D10 (FRT)	9.16	212	550772	24.51130 ppb		0.01
Spiked Amount 5.000			Recovery = 490.220%			
Target Compounds						Qvalue
2) Naphthalene	4.07	128	813650	47.32519 ppb		99
4) 2-Methylnaphthalene	4.85	142	471771	46.67566 ppb		100
5) 1-Methylnaphthalene	4.96	142	467996	45.47282 ppb		99
7) Acenaphthylene	5.88	152	1524552	46.02460 ppb		100
8) Acenaphthene	6.08	154	373563	42.04744 ppb		95
9) Fluorene	6.69	166	476607	43.59728 ppb		97
11) Phenanthrene	7.80	178	668058	42.30991 ppb		97
12) Anthracene	7.86	178	626693	43.58499 ppb		98
14) Fluoranthene	9.18	202	1002621	42.11889 ppb		96
16) Pyrene	9.44	202	1057437	45.50211 ppb		97
17) Benz (a) anthracene	10.87	228	1026510	49.76999 ppb		98
18) Chrysene	10.92	228	940494	43.72743 ppb		98
19) Indeno (1,2,3-cd) pyrene	14.77	276	1057002	52.47832 ppb	#	97
21) Benzo (b) fluoranthene	12.61	252	1023928	53.31142 ppb		98
22) Benzo (k) fluoranthene	12.61	252	794214	37.63000 ppb		97
23) Benzo (a) pyrene	13.18	252	953842	52.25902 ppb		95
24) Dibenz (a,h) anthracene	14.81	278	837991	49.43750 ppb		97
25) Benzo (g,h,i) perylene	15.14	276	890985	48.65641 ppb	#	91

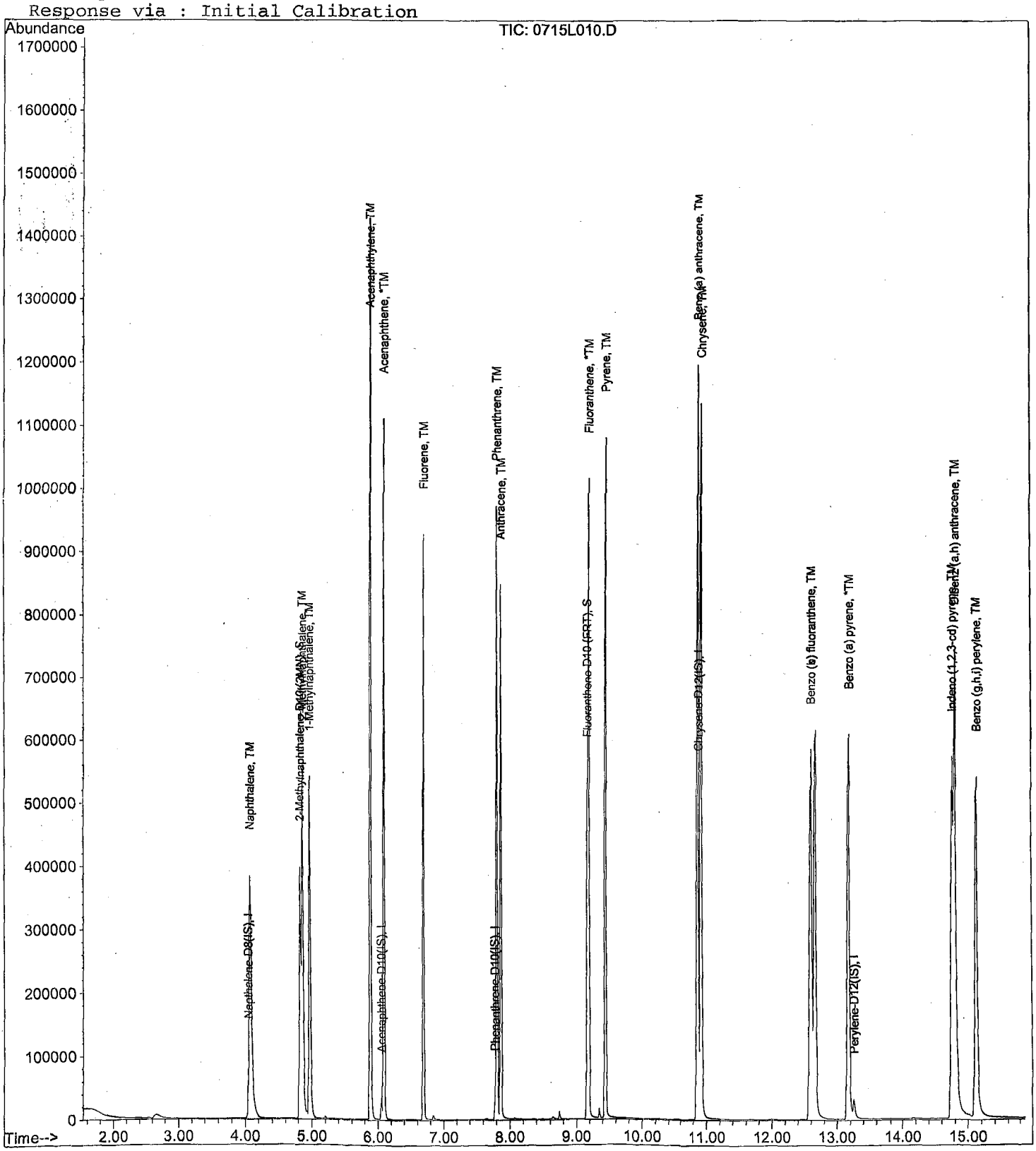
(#) = qualifier out of range (m) = manual integration

Quantitation Report

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

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

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



Quantitation Report (QT Reviewed)

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

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

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

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Napthalene-D8(IS)	4.05	136	36883	2.50000	ppb		0.00
6) Acenaphthene-D10(IS)	6.05	164	18122	2.50000	ppb		0.00
10) Phenanthrene-D10(IS)	7.77	188	29730	2.50000	ppb		0.01
15) Chrysene-D12(IS)	10.89	240	37481	2.50000	ppb		0.02
20) Perylene-D12(IS)	13.27	264	36407	2.50000	ppb		0.02
System Monitoring Compounds							
3) 2-Methylnaphthalene-D10 (2	4.82	152	794559	45.52658	ppb		0.00
Spiked Amount 5.000			Recovery = 910.540%				
13) Fluoranthene-D10 (FRT)	9.16	212	997955	44.13325	ppb		0.01
Spiked Amount 5.000			Recovery = 882.660%				
Target Compounds							Qvalue
2) Naphthalene	4.07	128	1544178	89.58960	ppb		99
4) 2-Methylnaphthalene	4.85	142	826986	80.69037	ppb		99
5) 1-Methylnaphthalene	4.97	142	811288	77.77037	ppb		96
7) Acenaphthylene	5.89	152	2597584	75.02671	ppb		99
8) Acenaphthene	6.10	154	676149	72.52712	ppb		96
9) Fluorene	6.69	166	880169	76.71349	ppb		97
11) Phenanthrene	7.81	178	1121420	69.30355	ppb		97
12) Anthracene	7.87	178	1017515	68.86605	ppb		97
14) Fluoranthene	9.19	202	1672602	69.01829	ppb		99
16) Pyrene	9.45	202	1858619	84.00631	ppb		100
17) Benz (a) anthracene	10.88	228	1827248	93.64884	ppb		97
18) Chrysene	10.93	228	1547735	75.43253	ppb		97
19) Indeno (1,2,3-cd) pyrene	14.81	276	1896751	97.96829	ppb	#	90
21) Benzo (b) fluoranthene	12.63	252	1903776	101.37883	ppb		97
22) Benzo (k) fluoranthene	12.69	252	1720612m	83.19054	ppb		96
23) Benzo (a) pyrene	13.20	252	1680263	93.93694	ppb		98
24) Dibenz (a,h) anthracene	14.85	278	1516110	90.39323	ppb	#	91
25) Benzo (g,h,i) perylene	15.17	276	1618716	89.57454	ppb		98

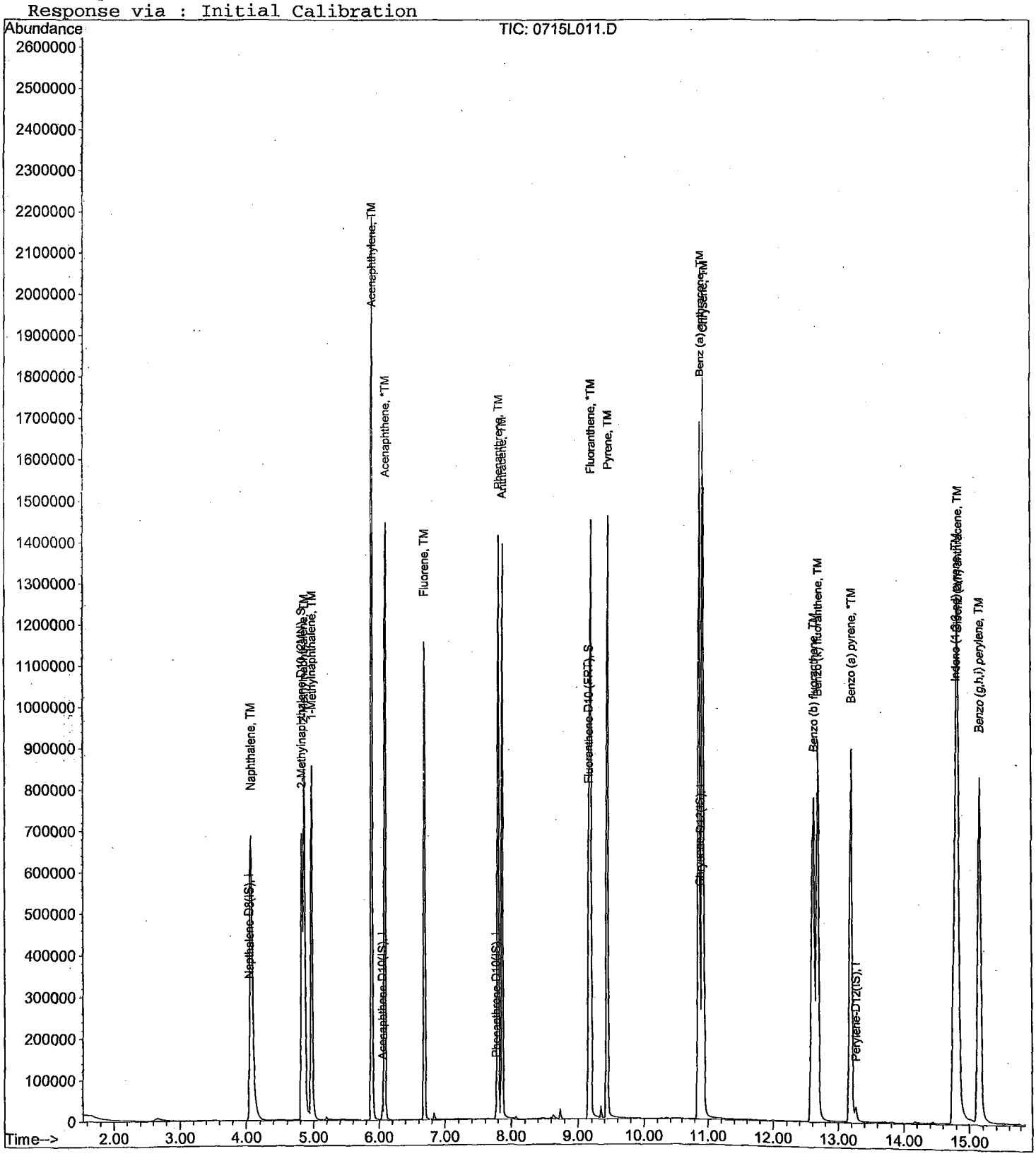
(#) = qualifier out of range (m) = manual integration

Quantitation Report

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

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

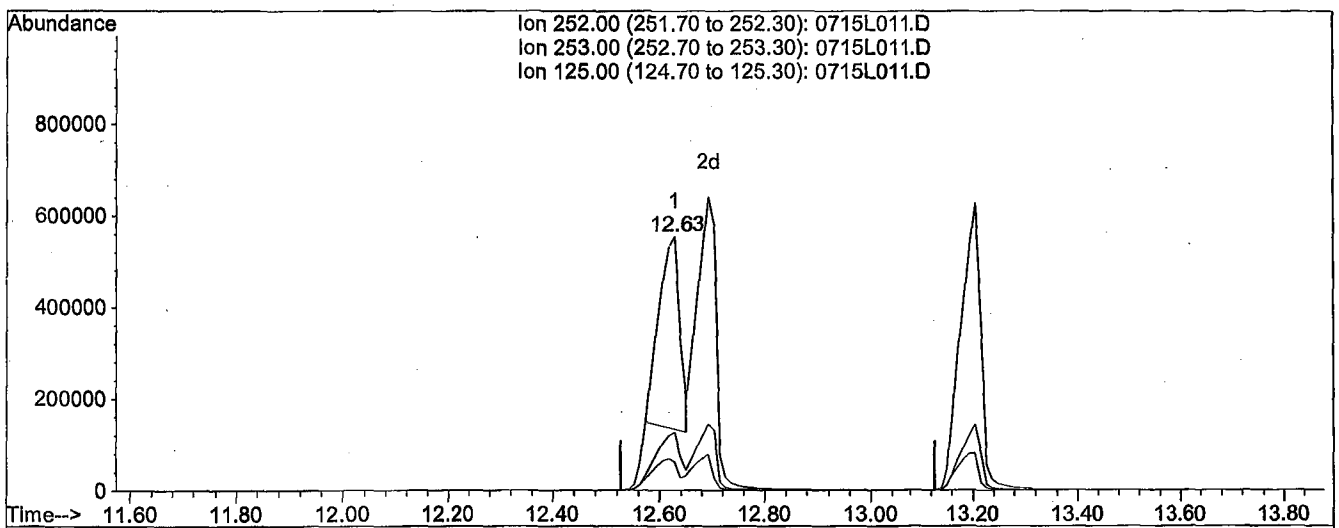
Method : M:\LINUS\DATA\L210715\L0715.M (RTE Integrator)
Title : EPA 8270
Last Update : Thu Jul 15 11:59:44 2021
Response via : Initial Calibration

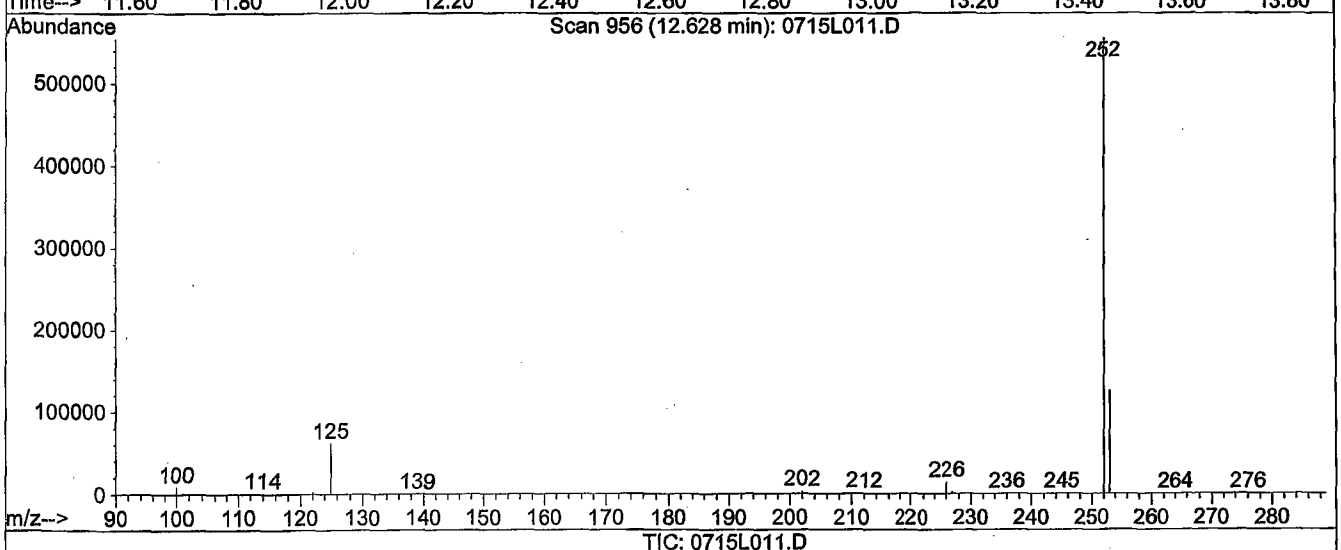


Quantitation Report

Data File : M:\LINUS\DATA\L210715\0715L011.D Vial: 11
Acq On : 15 Jul 21 11:39 Operator: LS
Sample : 100 SIM 07/08/21 Inst : Linus
Misc : Multiplr: 1.00
Quant Time: Jul 15 11:55 2021 Quant Results File: temp.res

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





TIC: 0715L011.D

(22) Benzo (k) fluoranthene (TM)

12.63min 54.6037ppb

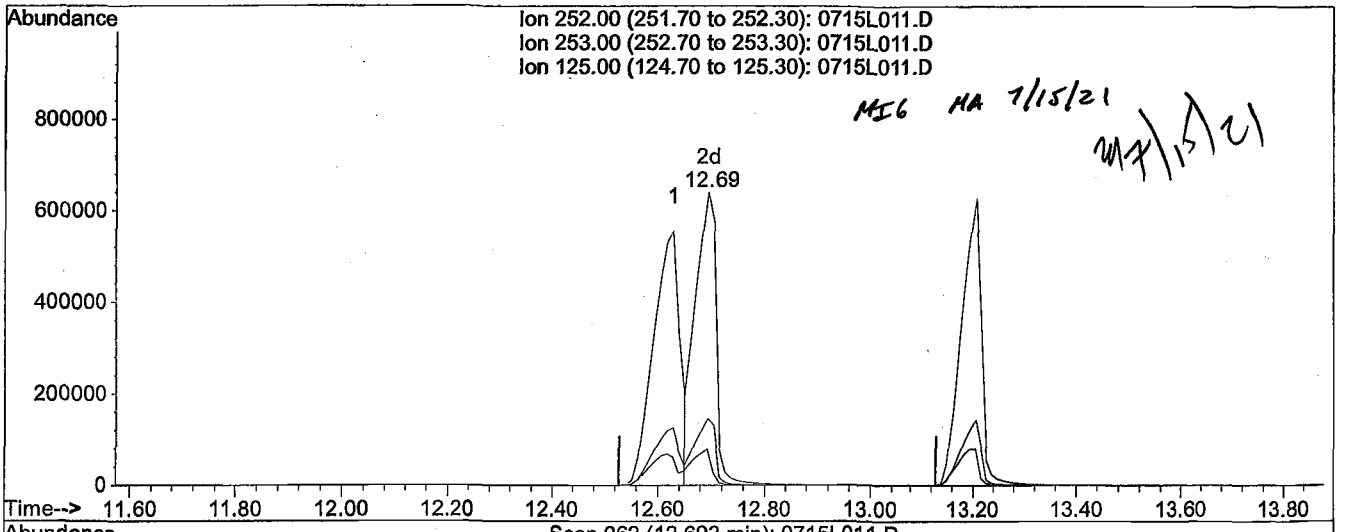
response 1129357

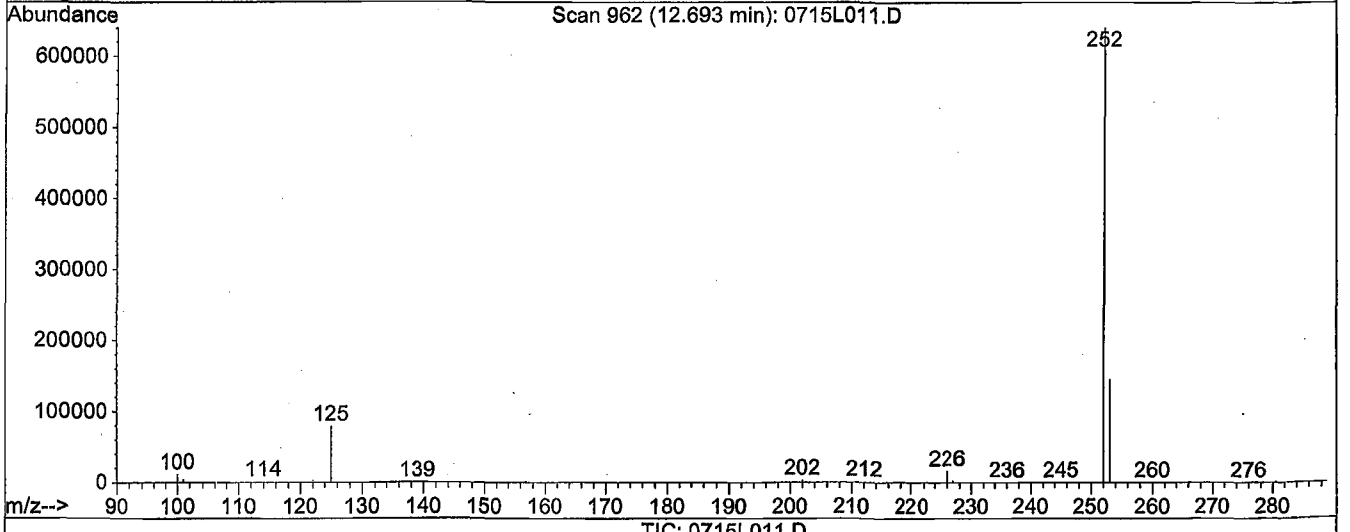
Ion	Exp%	Act%
252.00	100	100
253.00	21.80	23.01
125.00	11.60	9.12
0.00	0.00	0.00

Quantitation Report

Data File : M:\LINUS\DATA\L210715\0715L011.D Vial: 11
Acq On : 15 Jul 21 11:39 Operator: LS
Sample : 100 SIM 07/08/21 Inst : Linus
Misc : Multiplr: 1.00
Quant Time: Jul 15 11:57 2021 Quant Results File: temp.res

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





TIC: 0715L011.D

(22) Benzo (k) fluoranthene (TM)

12.69min 83.1905ppb m

response 1720612

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

Form 7

Second Source Calibration

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

SDG No:
Date Analyzed: 07/15/21
Instrument: Linus
Initial Cal. Date: 07/15/21
Data File: 0715L012.D

		Compound	MEAN	CCRF	%D		%Drift
1	TM	Naphthalene	1.176	1.134	3.6	TM	
2	TM	2-Methylnaphthalene	0.6914	0.6741	2.5	TM	
3	TM	1-Methylnaphthalene	0.7040	0.6729	4.4	TM	
4	TM	Acenaphthylene	4.764	4.857	1.9	TM	
5	*TM	Acenaphthene	1.278	1.247	2.4	*TM	
6	TM	Fluorene	1.572	1.574	0.12	TM	
7	TM	Phenanthrene	1.351	1.313	2.8	TM	
8	TM	Anthracene	1.231	1.319	7.2	TM	
9	*TM	Fluoranthene	2.037	2.089	2.5	*TM	
10	TM	Pyrene	1.474	1.455	1.3	TM	
11	TM	Benz (a) anthracene	1.308	1.270	2.9	TM	
12	TM	Chrysene	1.364	1.261	7.5	TM	
13	TM	Indeno (1,2,3-cd) pyrene	1.277	1.265	0.97	TM	
14	TM	Benzo (b) fluoranthene	1.280	1.335	4.3	TM	
15	TM	Benzo (k) fluoranthene	1.406	1.404	0.14	TM	
16	*TM	Benzo (a) pyrene	1.216	1.304	7.2	*TM	
17	TM	Dibenz (a,h) anthracene	1.129	1.171	3.7	TM	
18	TM	Benzo (g,h,i) perylene	1.220	1.228	0.64	TM	
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							
31							
32							
33							
34							
35							
36							
37							
38							
		Average			3.1		

Quantitation Report (Not Reviewed)

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

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

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Napthalene-D8(IS)	4.05	136	37378	2.500	ppb	0.00
6) Acenaphthene-D10(IS)	6.05	164	17835	2.500	ppb	0.00
10) Phenanthrene-D10(IS)	7.76	188	29548	2.500	ppb	0.00
15) Chrysene-D12(IS)	10.87	240	43782	2.500	ppb	0.00
20) Perylene-D12(IS)	13.25	264	38667	2.500	ppb	0.00
System Monitoring Compounds						
3) 2-Methylnaphthalene-D10 (2	4.82	152	17	0.001	ppb	0.00
Spiked Amount 5.000			Recovery =	0.020%		
13) Fluoranthene-D10 (FRT)	9.15	212	215	0.009	ppb	0.00
Spiked Amount 5.000			Recovery =	0.180%		
Target Compounds						Qvalue
2) Naphthalene	4.07	128	84756	4.820	ppb	99
4) 2-Methylnaphthalene	4.85	142	50390	4.875	ppb	99
5) 1-Methylnaphthalene	4.96	142	50302	4.779	ppb	100
7) Acenaphthylene	5.88	152	173233	5.097	ppb	100
8) Acenaphthene	6.08	154	44498	4.882	ppb	100
9) Fluorene	6.69	166	56146	5.006	ppb	98
11) Phenanthrene	7.80	178	77621	4.860	ppb	99
12) Anthracene	7.86	178	77939	5.359	ppb	100
14) Fluoranthene	9.17	202	123463	5.127	ppb	100
16) Pyrene	9.43	202	127364	4.935	ppb	98
17) Benz (a) anthracene	10.86	228	111240	4.857	ppb	99
18) Chrysene	10.90	228	110421	4.623	ppb	100
19) Indeno (1,2,3-cd) pyrene	14.74	276	110758	4.952	ppb	97
21) Benzo (b) fluoranthene	12.57	252	103205	5.215	ppb	99
22) Benzo (k) fluoranthene	12.63	252	108595	4.993	ppb	99
23) Benzo (a) pyrene	13.15	252	100824	5.361	ppb	99
24) Dibenz (a,h) anthracene	14.78	278	90571	5.185	ppb	99
25) Benzo (g,h,i) perylene	15.08	276	94948	5.032	ppb	98

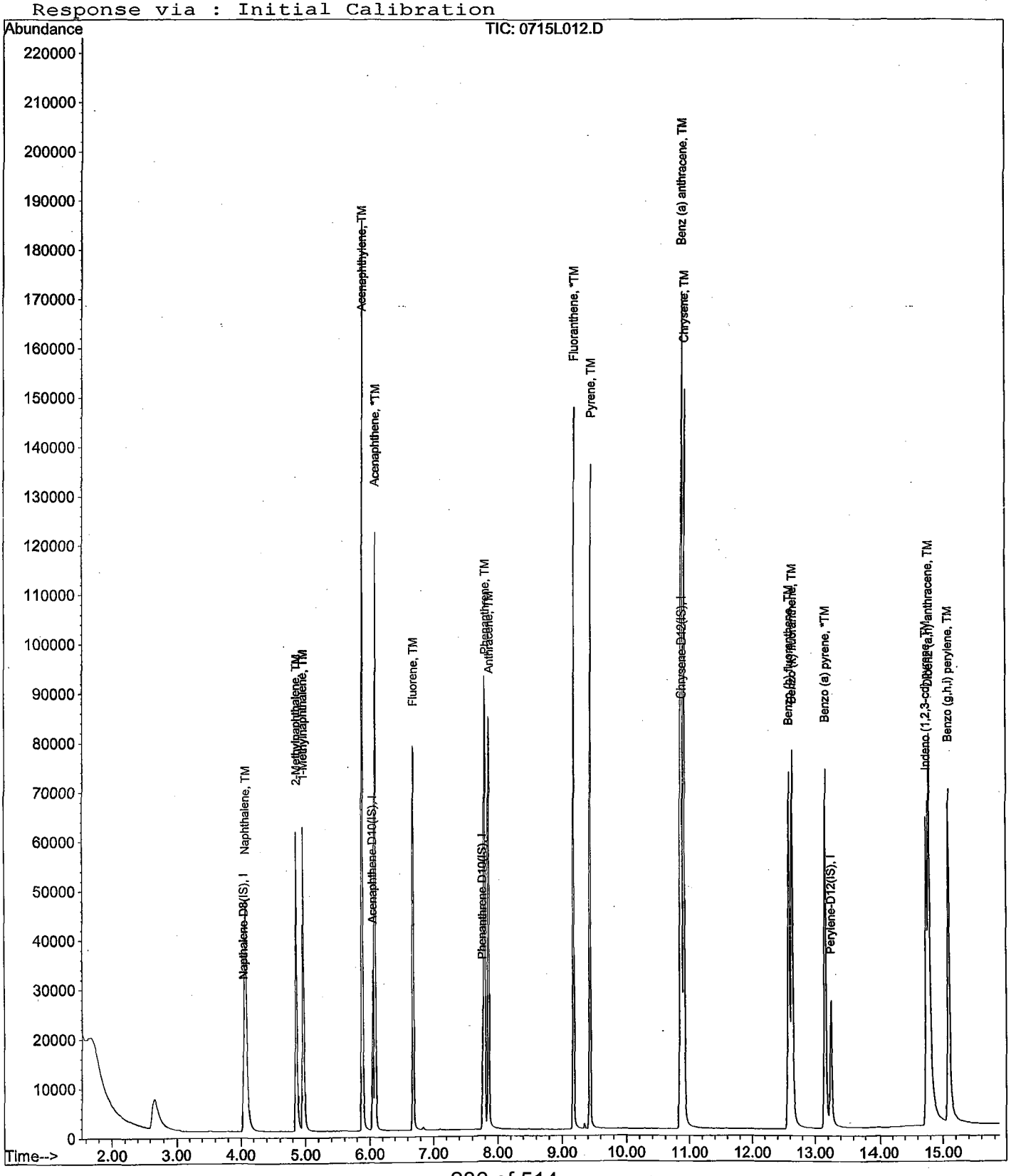
(#) = qualifier out of range (m) = manual integration

Quantitation Report

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

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

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



PAH by GCMS SIM
EPA 8270 SIM

Form 7

Continuing Calibration

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

SDG No:
Date Analyzed: 08/13/21
Instrument: Linus
Initial Cal. Date: 07/15/21
Data File: 0809L059.D

		Compound	MEAN	CCRF	%D		%Drift
1	I	Napthalene-D8(IS)	ISTD			I	
2	TM	Naphthalene	1.176	1.144	2.8	TM	
3	S	2-Methylnaphthalene-D10 (2MN)	1.182	1.199	1.5	S	
4	TM	2-Methylnaphthalene	0.6914	0.6957	0.62	TM	
5	TM	1-Methylnaphthalene	0.7040	0.6912	1.8	TM	
6	I	Acenaphthene-D10(IS)	ISTD			I	
7	TM	Acenaphthylene	4.764	4.923	3.3	TM	
8	*TM	Acenaphthene	1.278	1.251	2.1	*TM	
9	TM	Fluorene	1.572	1.596	1.5	TM	
10	I	Phenanthrene-D10(IS)	ISTD			I	
11	TM	Phenanthrene	1.351	1.383	2.3	TM	
12	TM	Anthracene	1.231	1.295	5.3	TM	
13	S	Fluoranthene-D10 (FRT)	1.923	2.193	14	S	
14	*TM	Fluoranthene	2.037	2.324	14	*TM	
15	I	Chrysene-D12(IS)	ISTD			I	
16	TM	Pyrene	1.474	1.532	3.9	TM	
17	TM	Benz (a) anthracene	1.308	1.286	1.7	TM	
18	TM	Chrysene	1.364	1.323	3.0	TM	
19	TM	Indeno (1,2,3-cd) pyrene	1.277	1.121	12	TM	
20	I	Perylene-D12(IS)	ISTD			I	
21	TM	Benzo (b) fluoranthene	1.280	1.342	4.9	TM	
22	TM	Benzo (k) fluoranthene	1.406	1.469	4.4	TM	
23	*TM	Benzo (a) pyrene	1.216	1.261	3.7	*TM	
24	TM	Dibenz (a,h) anthracene	1.129	1.087	3.8	TM	
25	TM	Benzo (g,h,i) perylene	1.220	1.162	4.8	TM	
26							
27							
28							
29							
30							
31							
32							
33							
34							
35							
36							
37							
38							
39							
40							
		Average			4.6		

Quantitation Report (Not Reviewed)

Data File : M:\LINUS\DATA\L210809\0809L059.D Vial: 59
Acq On : 13 Aug 21 10:19 Operator: LS
Sample : 5 SIM 07/08/21 (3) Inst : Linus
Misc : Multiplr: 1.00

Quant Time: Aug 13 10:36 2021 Quant Results File: L0715.RES

Quant Method : M:\LINUS\DATA\L210809\L0715.M (RTE Integrator)
Title : EPA 8270
Last Update : Thu Jul 15 11:59:44 2021
Response via : Initial Calibration
DataAcq Meth : SIM_2

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Napthalene-D8(IS)	4.05	136	37685	2.50000 ppb	0.00
6) Acenaphthene-D10(IS)	6.05	164	17469	2.50000 ppb	0.00
10) Phenanthrene-D10(IS)	7.76	188	27574	2.50000 ppb	0.00
15) Chrysene-D12(IS)	10.87	240	42061	2.50000 ppb	0.00
20) Perylene-D12(IS)	13.25	264	35760	2.50000 ppb	0.00
System Monitoring Compounds					
3) 2-Methylnaphthalene-D10 (2	4.82	152	45198	2.53702 ppb	0.00
Spiked Amount 5.000			Recovery =	50.740%	
13) Fluoranthene-D10 (FRT)	9.15	212	60458	2.85033 ppb	0.00
Spiked Amount 5.000			Recovery =	57.000%	
Target Compounds					Qvalue
2) Naphthalene	4.07	128	86195	4.86206 ppb	99
4) 2-Methylnaphthalene	4.85	142	52434	5.03101 ppb	98
5) 1-Methylnaphthalene	4.96	142	52095	4.90895 ppb	99
7) Acenaphthylene	5.88	152	171985	5.16648 ppb	99
8) Acenaphthene	6.08	154	43692	4.89367 ppb	98
9) Fluorene	6.68	166	55774	5.07677 ppb	93
11) Phenanthrene	7.79	178	76274	5.11742 ppb	98
12) Anthracene	7.85	178	71439	5.26337 ppb	97
14) Fluoranthene	9.17	202	128162	5.70356 ppb	94
16) Pyrene	9.43	202	128840	5.19661 ppb	96
17) Benz (a) anthracene	10.85	228	108162	4.91554 ppb	95
18) Chrysene	10.90	228	111294	4.85022 ppb	99
19) Indeno (1,2,3-cd) pyrene	14.75	276	94336	4.39009 ppb	92
21) Benzo (b) fluoranthene	12.57	252	95994	5.24453 ppb	99
22) Benzo (k) fluoranthene	12.63	252	105031	5.22187 ppb	99
23) Benzo (a) pyrene	13.15	252	90152	5.18289 ppb	100
24) Dibenz (a,h) anthracene	14.78	278	77727	4.81172 ppb	98
25) Benzo (g,h,i) perylene	15.10	276	83076	4.76055 ppb	96

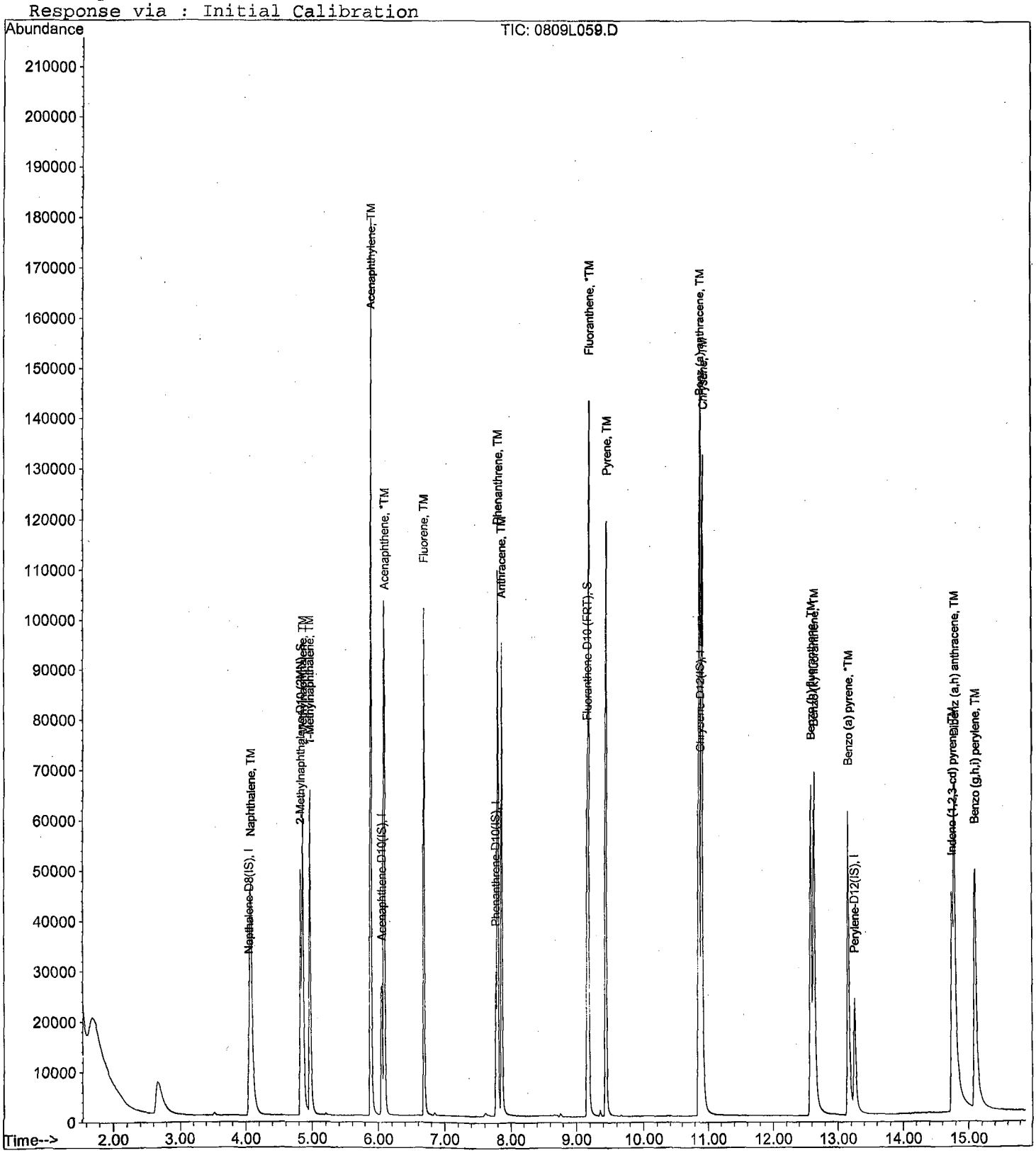
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\LINUS\DATA\L210809\0809L059.D Vial: 59
Acq On : 13 Aug 21 10:19 Operator: LS
Sample : 5 SIM 07/08/21 (3) Inst : Linus
Misc : Multiplr: 1.00

Quant Time: Aug 13 10:36 2021 Quant Results File: L0715.RES

Method : M:\LINUS\DATA\L210809\L0715.M (RTE Integrator)
Title : EPA 8270
Last Update : Thu Jul 15 11:59:44 2021
Response via : Initial Calibration



PAH by GCMS SIM
EPA 8270 SIM

Form 7

Ending Continuing Calibration

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

SDG No:
Date Analyzed: 08/13/21
Instrument: Linus
Initial Cal. Date: 07/15/21
Data File: 0809L075.D

		Compound	MEAN	CCRF	%D		%Drift
1	I	Napthalene-D8(IS)	ISTD			I	
2	TM	Naphthalene	1.176	1.222	3.9	TM	
3	S	2-Methylnaphthalene-D10 (2MN)	1.182	1.179	0.21	S	
4	TM	2-Methylnaphthalene	0.6914	0.7429	7.4	TM	
5	TM	1-Methylnaphthalene	0.7040	0.7375	4.8	TM	
6	I	Acenaphthene-D10(IS)	ISTD			I	
7	TM	Acenaphthylene	4.764	5.350	12	TM	
8	*TM	Acenaphthene	1.278	1.323	3.6	*TM	
9	TM	Fluorene	1.572	1.688	7.4	TM	
10	I	Phenanthrene-D10(IS)	ISTD			I	
11	TM	Phenanthrene	1.351	1.462	8.2	TM	
12	TM	Anthracene	1.231	1.384	12	TM	
13	S	Fluoranthene-D10 (FRT)	1.923	2.200	14	S	
14	*TM	Fluoranthene	2.037	2.489	22	*TM	
15	I	Chrysene-D12(IS)	ISTD			I	
16	TM	Pyrene	1.474	1.625	10	TM	
17	TM	Benz (a) anthracene	1.308	1.419	8.5	TM	
18	TM	Chrysene	1.364	1.414	3.7	TM	
19	TM	Indeno (1,2,3-cd) pyrene	1.277	1.289	0.94	TM	
20	I	Perylene-D12(IS)	ISTD			I	
21	TM	Benzo (b) fluoranthene	1.280	1.467	15	TM	
22	TM	Benzo (k) fluoranthene	1.406	1.485	5.6	TM	
23	*TM	Benzo (a) pyrene	1.216	1.340	10	*TM	
24	TM	Dibenz (a,h) anthracene	1.129	1.191	5.5	TM	
25	TM	Benzo (g,h,i) perylene	1.220	1.246	2.2	TM	
26							
27							
28							
29							
30							
31							
32							
33							
34							
35							
36							
37							
38							
39							
40							
		Average			7.8		

Quantitation Report (Not Reviewed)

Data File : M:\LINUS\DATA\L210809\0809L075.D Vial: 75
Acq On : 13 Aug 21 16:21 Operator: LS
Sample : 5 SIM 07/08/21 (4) Inst : Linus
Misc : Multiplr: 1.00

Quant Time: Aug 13 16:45 2021 Quant Results File: L0715.RES

Quant Method : M:\LINUS\DATA\L210809\L0715.M (RTE Integrator)
Title : EPA 8270
Last Update : Thu Jul 15 11:59:44 2021
Response via : Initial Calibration
DataAcq Meth : SIM_2

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Napthalene-D8(IS)	4.05	136	39281	2.50000	ppb	0.00
6) Acenaphthene-D10(IS)	6.04	164	18578	2.50000	ppb	-0.01
10) Phenanthrene-D10(IS)	7.76	188	29842	2.50000	ppb	0.00
15) Chrysene-D12(IS)	10.87	240	46160	2.50000	ppb	0.00
20) Perylene-D12(IS)	13.25	264	41434	2.50000	ppb	0.00
System Monitoring Compounds						
3) 2-Methylnaphthalene-D10 (2	4.82	152	46326	2.49468	ppb	0.00
Spiked Amount 5.000			Recovery = 49.900%			
13) Fluoranthene-D10 (FRT)	9.15	212	65663	2.86045	ppb	0.00
Spiked Amount 5.000			Recovery = 57.200%			
Target Compounds						Qvalue
2) Naphthalene	4.07	128	96027	5.19658	ppb	99
4) 2-Methylnaphthalene	4.85	142	58360	5.37210	ppb	97
5) 1-Methylnaphthalene	4.96	142	57942	5.23808	ppb	99
7) Acenaphthylene	5.88	152	198771	5.61470	ppb	99
8) Acenaphthene	6.07	154	49167	5.17816	ppb	84
9) Fluorene	6.68	166	62715	5.36780	ppb	92
11) Phenanthrene	7.79	178	87276	5.41055	ppb	97
12) Anthracene	7.85	178	82623	5.62473	ppb	97
14) Fluoranthene	9.17	202	148544	6.10821	ppb	94
16) Pyrene	9.43	202	150032	5.51400	ppb	95
17) Benz (a) anthracene	10.86	228	131033	5.42614	ppb	99
18) Chrysene	10.90	228	130566	5.18482	ppb	99
19) Indeno (1,2,3-cd) pyrene	14.74	276	119026	5.04722	ppb	92
21) Benzo (b) fluoranthene	12.57	252	121552	5.73146	ppb	99
22) Benzo (k) fluoranthene	12.63	252	123047	5.27983	ppb	99
23) Benzo (a) pyrene	13.15	252	111073	5.51119	ppb	99
24) Dibenz (a,h) anthracene	14.78	278	98685	5.27255	ppb	100
25) Benzo (g,h,i) perylene	15.10	276	103280	5.10785	ppb	94

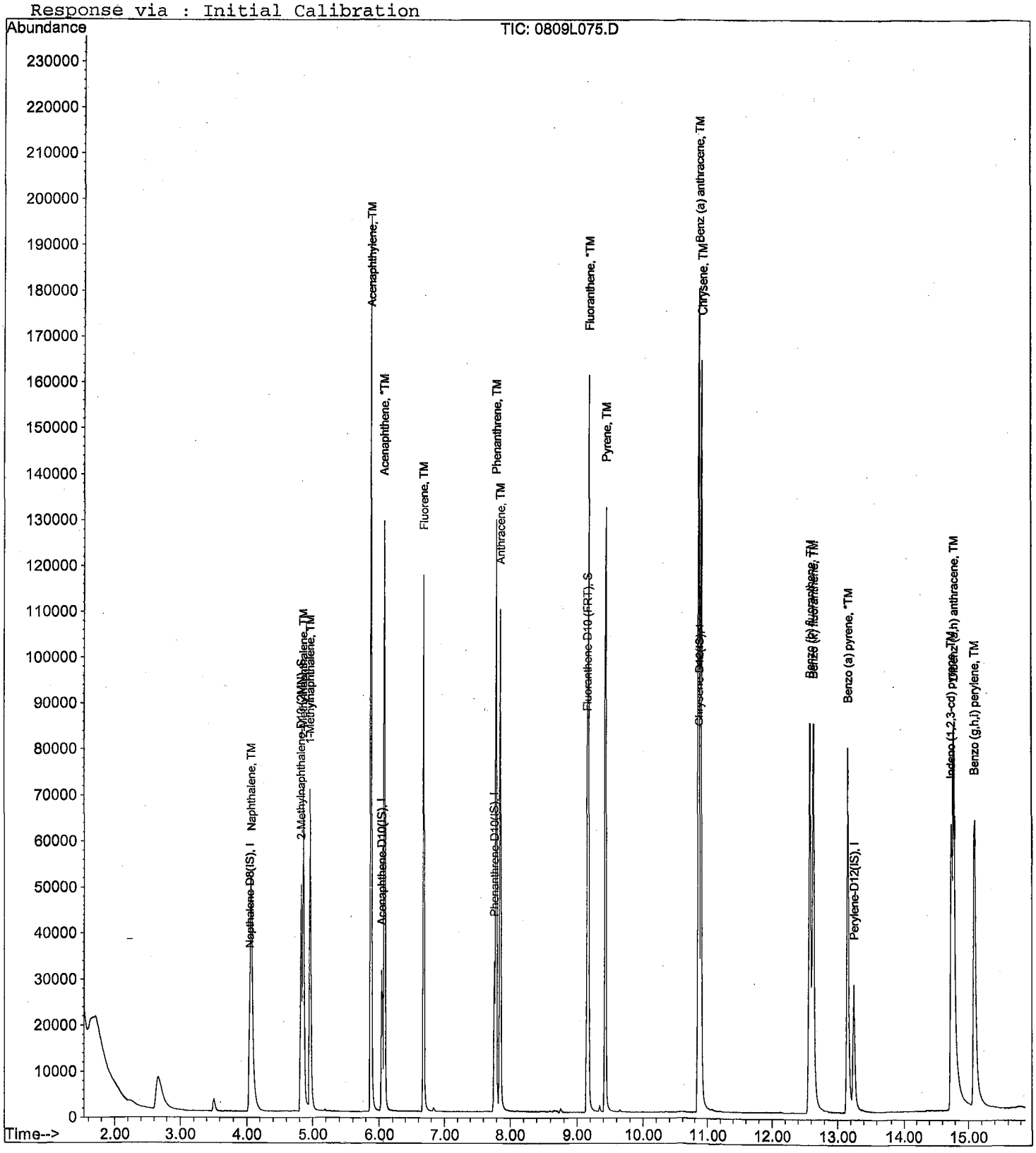
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\LINUS\DATA\L210809\0809L075.D Vial: 75
Acq On : 13 Aug 21 16:21 Operator: LS
Sample : 5 SIM 07/08/21 (4) Inst : Linus
Misc : Multiplr: 1.00

Quant Time: Aug 13 16:45 2021 Quant Results File: L0715.RES

Method : M:\LINUS\DATA\L210809\L0715.M (RTE Integrator)
Title : EPA 8270
Last Update : Thu Jul 15 11:59:44 2021
Response via : Initial Calibration



ORGANICS
Raw Data

Quantitation Report (QT Reviewed)

Data File : M:\LINUS\DATA\L210809\0809L067.D Vial: 67
Acq On : 13 Aug 21 13:19 Operator: LS
Sample : BA37422W06 1/870 Inst : Linus
Misc : Multiplr: 1.15

Quant Time: Aug 13 15:05 2021 Quant Results File: L0715.RES

Quant Method : M:\LINUS\DATA\L210809\L0715.M (RTE Integrator)
Title : EPA 8270
Last Update : Thu Jul 15 11:59:44 2021
Response via : Initial Calibration
DataAcq Meth : SIM_2

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Napthalene-D8(IS)	4.05	136	37623	2.50	ppb	0.00
6) Acenaphthene-D10(IS)	6.04	164	18183	2.50	ppb	-0.01
10) Phenanthrene-D10(IS)	7.76	188	30475	2.50	ppb	0.00
15) Chrysene-D12(IS)	10.87	240	48745	2.50	ppb	0.00
20) Perylene-D12(IS)	13.25	264	44166	2.50	ppb	0.00
System Monitoring Compounds						
3) 2-Methylnaphthalene-D10 (2	4.82	152	72123	4.66	ppb	0.00
Spiked Amount 5.747			Recovery = 81.101%			
13) Fluoranthene-D10 (FRT)	9.15	212	55724	2.73	ppb	0.00
Spiked Amount 5.747			Recovery = 47.537%			
Target Compounds						Qvalue
5) 1-Methylnaphthalene	4.96	142	1874	0.20	ppb	98

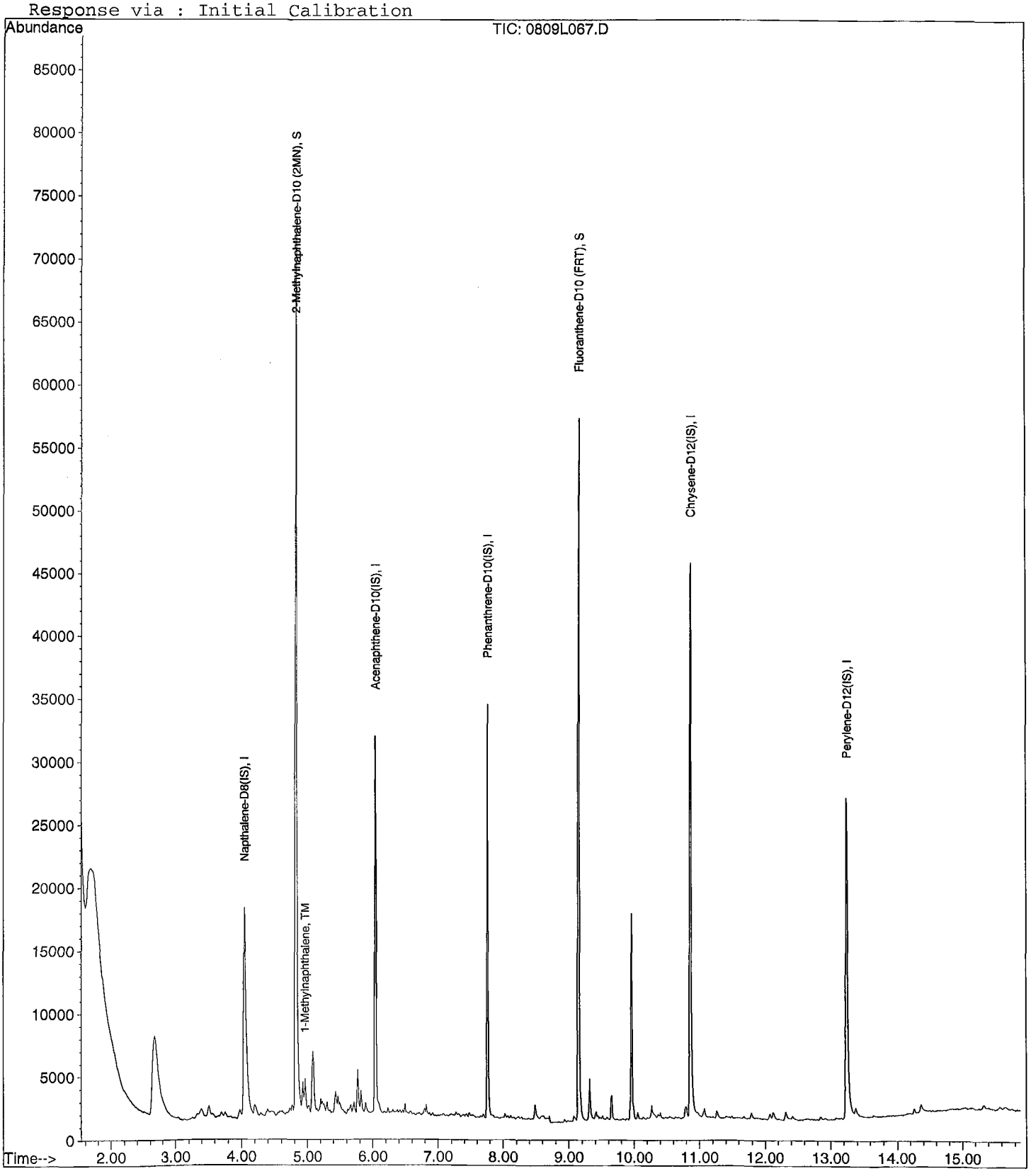
(#) = qualifier out of range (m) = manual integration

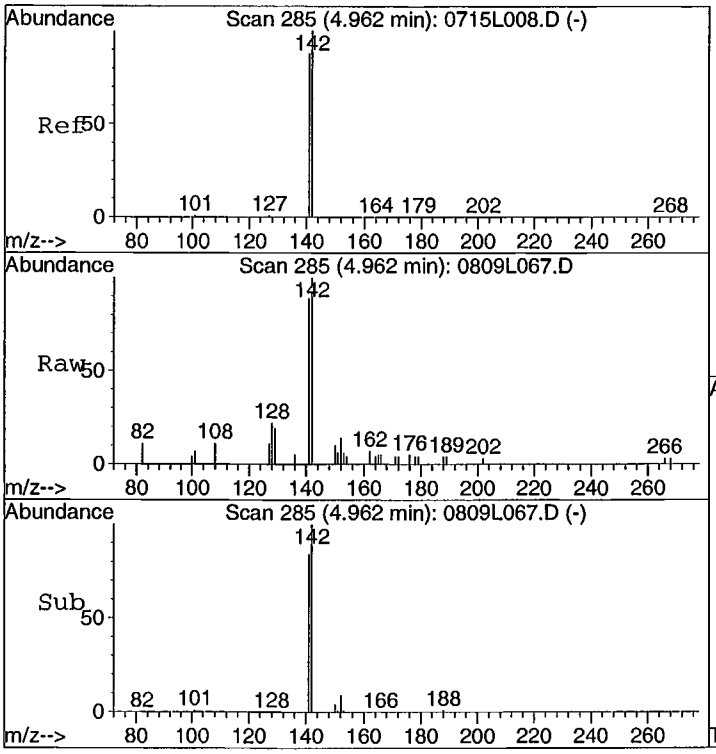
Quantitation Report

Data File : M:\LINUS\DATA\L210809\0809L067.D Vial: 67
Acq On : 13 Aug 21 13:19 Operator: LS
Sample : BA37422W06 1/870 Inst : Linus
Misc : Multiplr: 1.15

Quant Time: Aug 13 15:05 2021 Quant Results File: L0715.RES

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

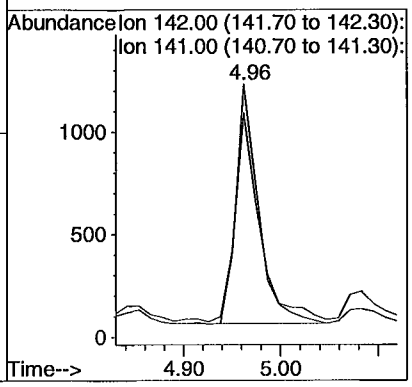




#5
1-Methylnaphthalene
Concen: 0.20 ppb
RT: 4.96 min Scan# 285
Delta R.T. 0.00 min
Lab File: 0809L067.D
Acq: 13 Aug 21 13:19

Tgt Ion:142 Resp: 1874

Ion	Ratio	Lower	Upper
142	100		
141	86.5	61.7	114.5



Quantitation Report (QT Reviewed)

Data File : M:\LINUS\DATA\L210809\0809L068.D Vial: 68
Acq On : 13 Aug 21 13:41 Operator: LS
Sample : BA37425W05 1/870 Inst : Linus
Misc : Multiplr: 1.15

Quant Time: Aug 13 15:05 2021 Quant Results File: L0715.RES

Quant Method : M:\LINUS\DATA\L210809\L0715.M (RTE Integrator)
Title : EPA 8270
Last Update : Thu Jul 15 11:59:44 2021
Response via : Initial Calibration
DataAcq Meth : SIM_2

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Napthalene-D8(IS)	4.05	136	34950	2.50	ppb	0.00
6) Acenaphthene-D10(IS)	6.04	164	17554	2.50	ppb	-0.01
10) Phenanthrene-D10(IS)	7.76	188	29669	2.50	ppb	0.00
15) Chrysene-D12(IS)	10.87	240	45758	2.50	ppb	0.00
20) Perylene-D12(IS)	13.25	264	42235	2.50	ppb	0.00
System Monitoring Compounds						
3) 2-Methylnaphthalene-D10 (2	4.82	152	71052	4.94	ppb	0.00
Spiked Amount 5.747			Recovery = 86.008%			
13) Fluoranthene-D10 (FRT)	9.15	212	73408	3.70	ppb	0.00
Spiked Amount 5.747			Recovery = 64.328%			
Target Compounds						Qvalue
2) Naphthalene	4.07	128	881778	61.65	ppb	98
4) 2-Methylnaphthalene	4.85	142	242394	28.82	ppb	98
5) 1-Methylnaphthalene	4.96	142	297030	34.69	ppb	99

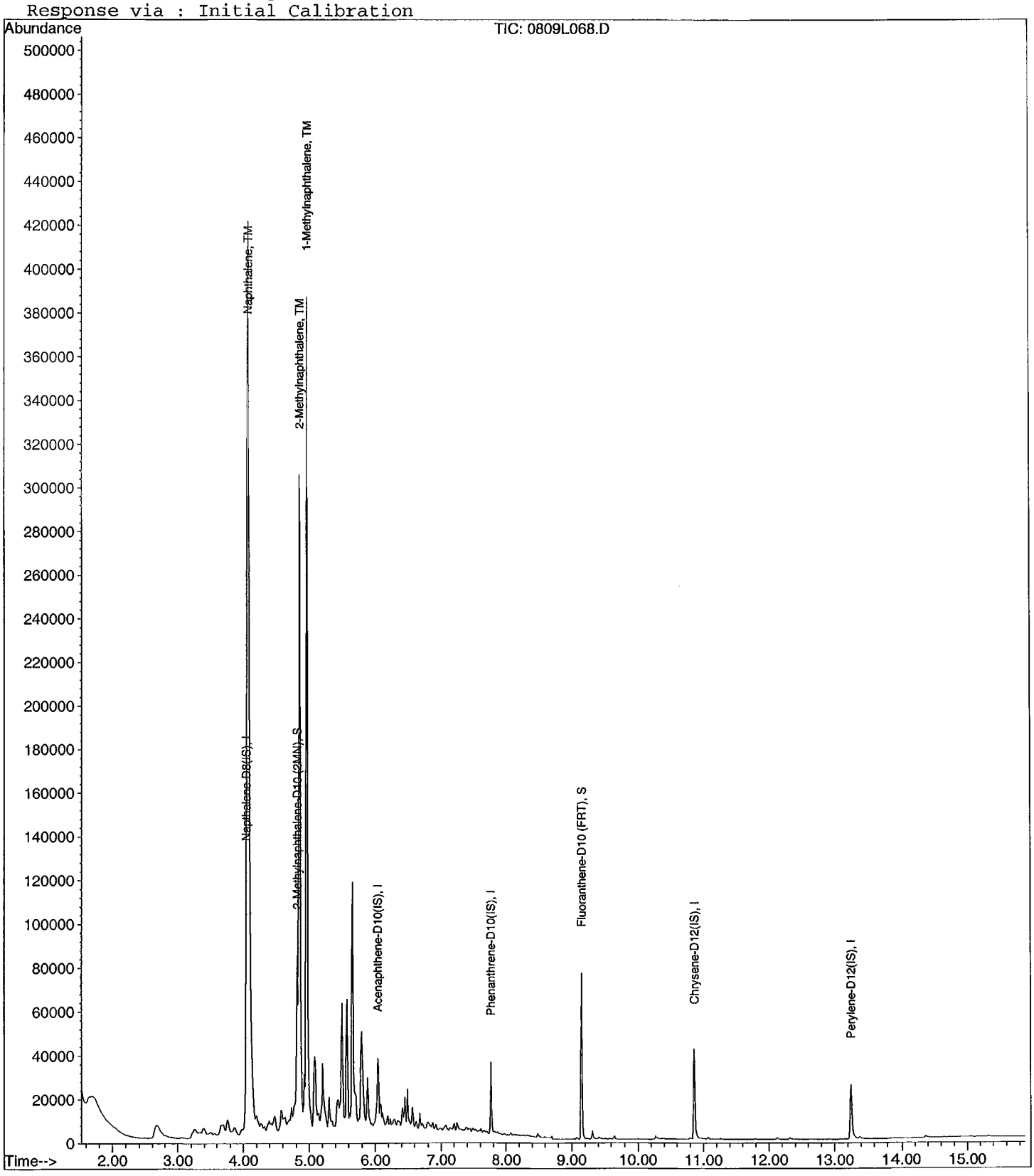
(#) = qualifier out of range (m) = manual integration

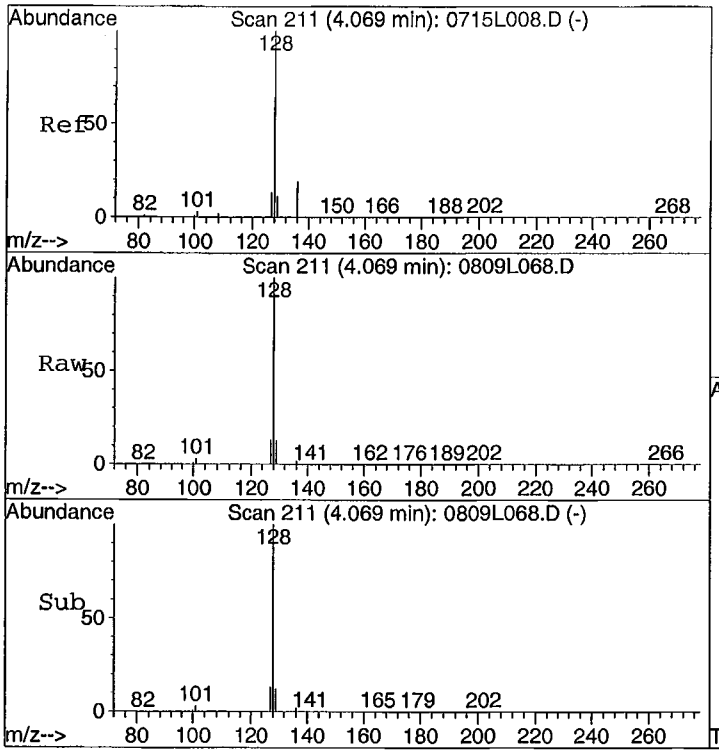
Quantitation Report

Data File : M:\LINUS\DATA\L210809\0809L068.D Vial: 68
Acq On : 13 Aug 21 13:41 Operator: LS
Sample : BA37425W05 1/870 Inst : Linus
Misc : Multiplr: 1.15

Quant Time: Aug 13 15:05 2021 Quant Results File: L0715.RES

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

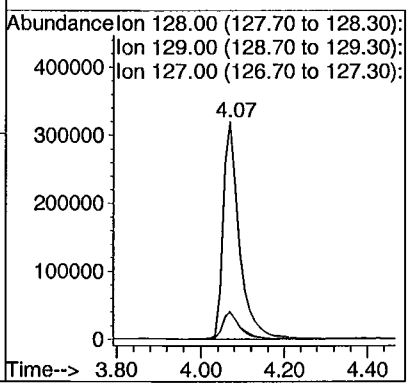


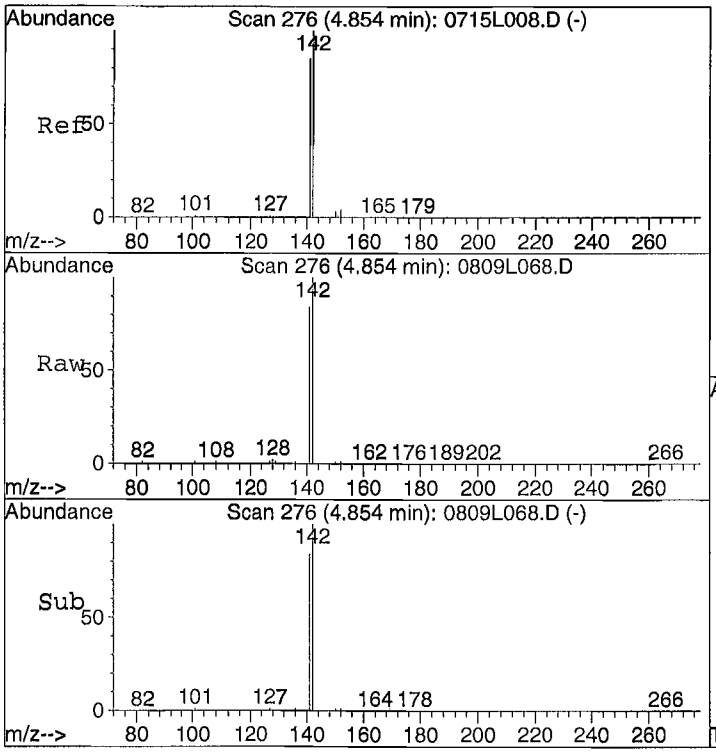


#2
Naphthalene
Concen: 61.65 ppb
RT: 4.07 min Scan# 211
Delta R.T. -0.00 min
Lab File: 0809L068.D
Acq: 13 Aug 21 13:41

Tgt Ion:128 Resp: 881778

Ion	Ratio	Lower	Upper
128	100		
129	12.5	7.6	14.2
127	12.9	8.9	16.5

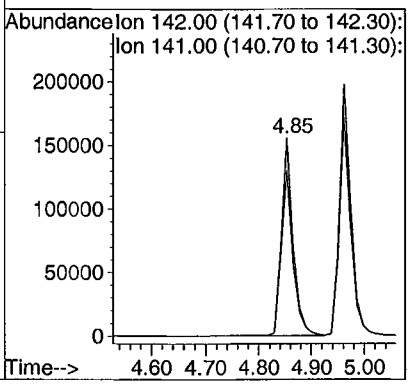


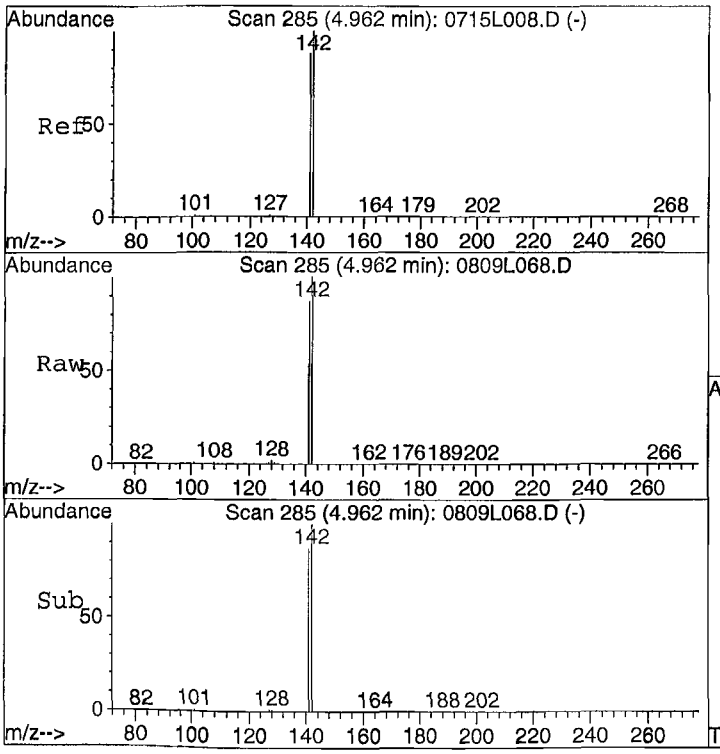


#4
2-Methylnaphthalene
Concen: 28.82 ppb
RT: 4.85 min Scan# 276
Delta R.T. -0.00 min
Lab File: 0809L068.D
Acq: 13 Aug 21 13:41

Tgt Ion:142 Resp: 242394

Ion	Ratio	Lower	Upper
142	100		
141	83.8	59.9	111.2

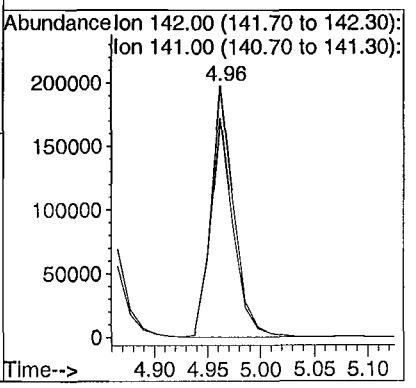




#5
1-Methylnaphthalene
Concen: 34.69 ppb
RT: 4.96 min Scan# 285
Delta R.T. -0.00 min
Lab File: 0809L068.D
Acq: 13 Aug 21 13:41

Tgt Ion:142 Resp: 297030

Ion	Ratio	Lower	Upper
142	100		
141	87.0	61.7	114.5



Quantitation Report (QT Reviewed)

Data File : M:\LINUS\DATA\L210809\0809L069.D Vial: 69
Acq On : 13 Aug 21 14:03 Operator: LS
Sample : BA37428W05 1/870 Inst : Linus
Misc : Multiplr: 1.15

Quant Time: Aug 13 15:06 2021 Quant Results File: L0715.RES

Quant Method : M:\LINUS\DATA\L210809\L0715.M (RTE Integrator)
Title : EPA 8270
Last Update : Thu Jul 15 11:59:44 2021
Response via : Initial Calibration
DataAcq Meth : SIM_2

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Napthalene-D8(IS)	4.05	136	32744	2.50 ppb	0.00
6) Acenaphthene-D10(IS)	6.04	164	15677	2.50 ppb	-0.01
10) Phenanthrene-D10(IS)	7.76	188	26577	2.50 ppb	0.00
15) Chrysene-D12(IS)	10.87	240	42725	2.50 ppb	0.00
20) Perylene-D12(IS)	13.25	264	39743	2.50 ppb	0.00
System Monitoring Compounds					
3) 2-Methylnaphthalene-D10 (2	4.82	152	59987	4.45 ppb	0.00
Spiked Amount 5.747			Recovery = 77.500%		
13) Fluoranthene-D10 (FRT)	9.15	212	48042	2.70 ppb	0.00
Spiked Amount 5.747			Recovery = 46.997%		

Target Compounds Qvalue

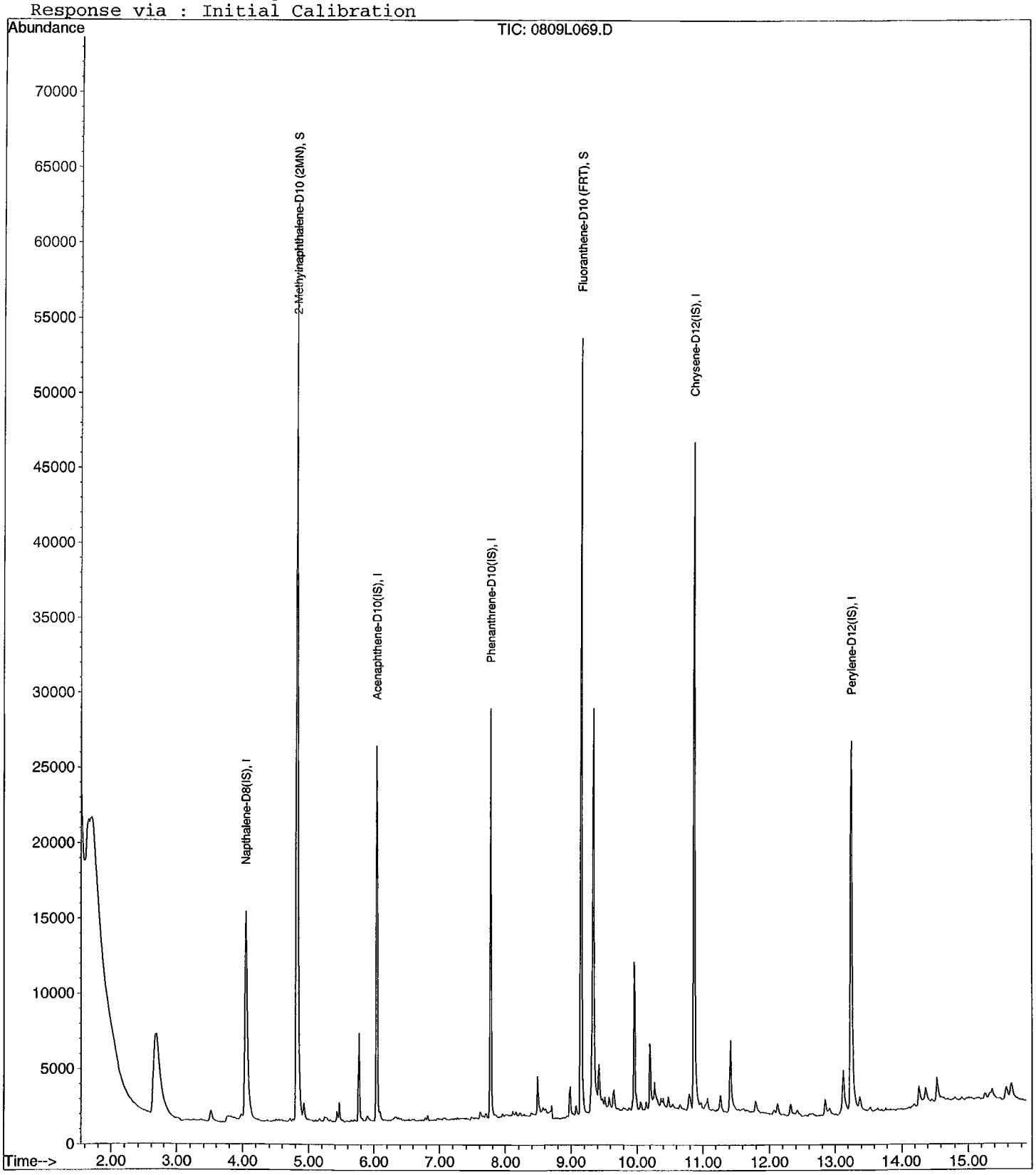
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\LINUS\DATA\L210809\0809L069.D Vial: 69
Acq On : 13 Aug 21 14:03 Operator: LS
Sample : BA37428W05 1/870 Inst : Linus
Misc : Multiplr: 1.15

Quant Time: Aug 13 15:06 2021 Quant Results File: L0715.RES

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



Quantitation Report (QT Reviewed)

Data File : M:\LINUS\DATA\L210809\0809L070.D Vial: 70
Acq On : 13 Aug 21 14:25 Operator: LS
Sample : BA37431W06 1/850 Inst : Linus
Misc : Multiplr: 1.18

Quant Time: Aug 13 15:07 2021 Quant Results File: L0715.RES

Quant Method : M:\LINUS\DATA\L210809\L0715.M (RTE Integrator)
Title : EPA 8270
Last Update : Thu Jul 15 11:59:44 2021
Response via : Initial Calibration
DataAcq Meth : SIM_2

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Napthalene-D8(IS)	4.05	136	38190	2.50 ppb	0.00
6) Acenaphthene-D10(IS)	6.04	164	18172	2.50 ppb	-0.01
10) Phenanthrene-D10(IS)	7.76	188	30901	2.50 ppb	0.00
15) Chrysene-D12(IS)	10.87	240	48953	2.50 ppb	0.00
20) Perylene-D12(IS)	13.25	264	44131	2.50 ppb	0.00
System Monitoring Compounds					
3) 2-Methylnaphthalene-D10 (2	4.82	152	68911	4.49 ppb	0.00
Spiked Amount 5.882			Recovery =	76.330%	
13) Fluoranthene-D10 (FRT)	9.15	212	103413	5.12 ppb	0.00
Spiked Amount 5.882			Recovery =	87.006%	
Target Compounds					Qvalue

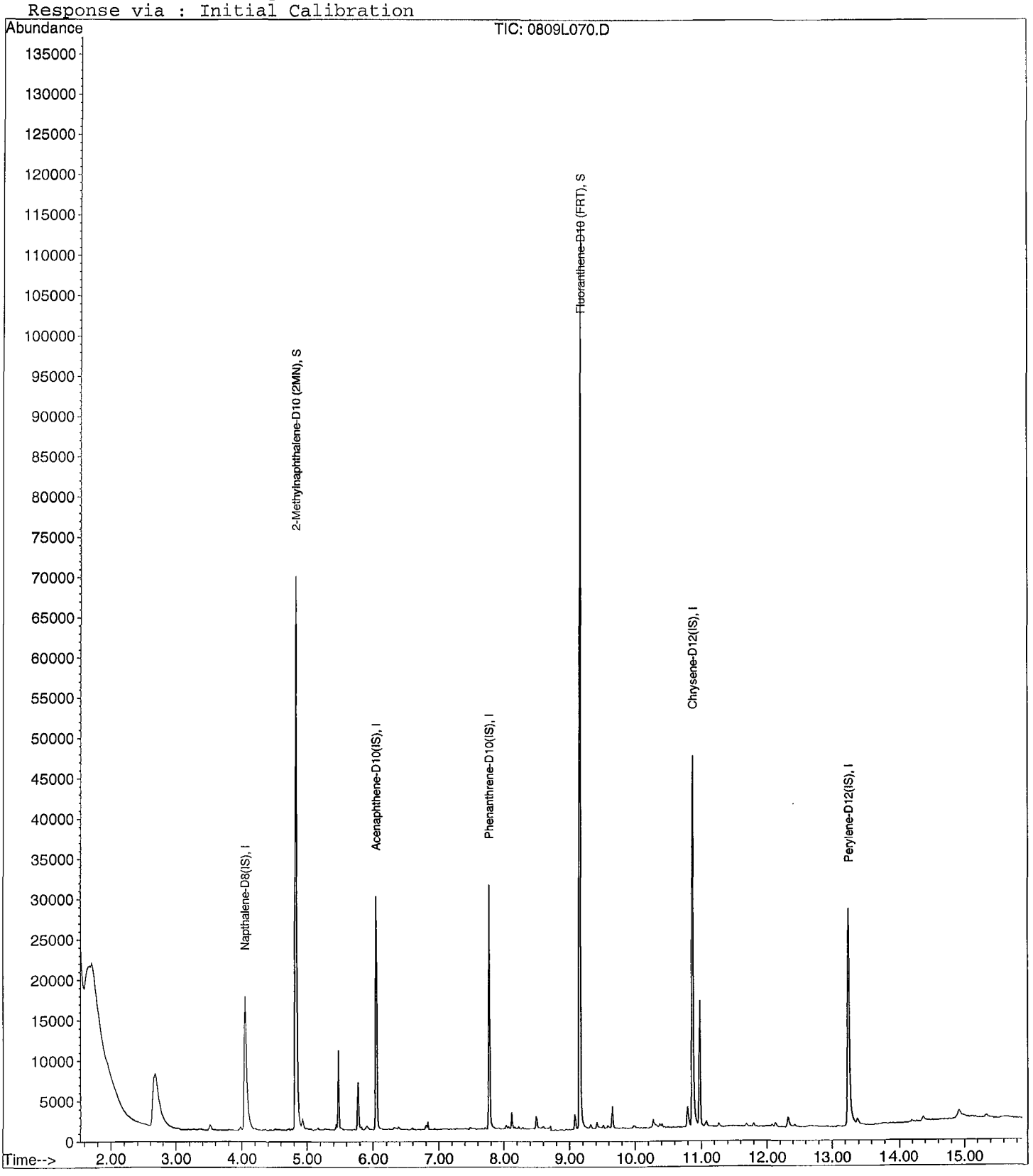
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\LINUS\DATA\L210809\0809L070.D Vial: 70
Acq On : 13 Aug 21 14:25 Operator: LS
Sample : BA37431W06 1/850 Inst : Linus
Misc : Multiplr: 1.18

Quant Time: Aug 13 15:07 2021 Quant Results File: L0715.RES

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



Quantitation Report (QT Reviewed)

Data File : M:\LINUS\DATA\L210809\0809L064.D Vial: 64
Acq On : 13 Aug 21 12:12 Operator: LS
Sample : 210811A BLK 1/1000 Inst : Linus
Misc : Multiplr: 1.00

Quant Time: Aug 13 15:01 2021 Quant Results File: L0715.RES

Quant Method : M:\LINUS\DATA\L210809\L0715.M (RTE Integrator)
Title : EPA 8270
Last Update : Thu Jul 15 11:59:44 2021
Response via : Initial Calibration
DataAcq Meth : SIM_2

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Napthalene-D8(IS)	4.05	136	37662	2.50	ppb	0.00
6) Acenaphthene-D10(IS)	6.04	164	17881	2.50	ppb	-0.01
10) Phenanthrene-D10(IS)	7.76	188	30034	2.50	ppb	0.00
15) Chrysene-D12(IS)	10.87	240	47088	2.50	ppb	0.00
20) Perylene-D12(IS)	13.25	264	42978	2.50	ppb	0.00
System Monitoring Compounds						
3) 2-Methylnaphthalene-D10 (2	4.82	152	69109	3.88	ppb	0.00
Spiked Amount 5.000			Recovery = 77.640%			
13) Fluoranthene-D10 (FRT)	9.15	212	105864	4.58	ppb	0.00
Spiked Amount 5.000			Recovery = 91.640%			

Target Compounds Qvalue

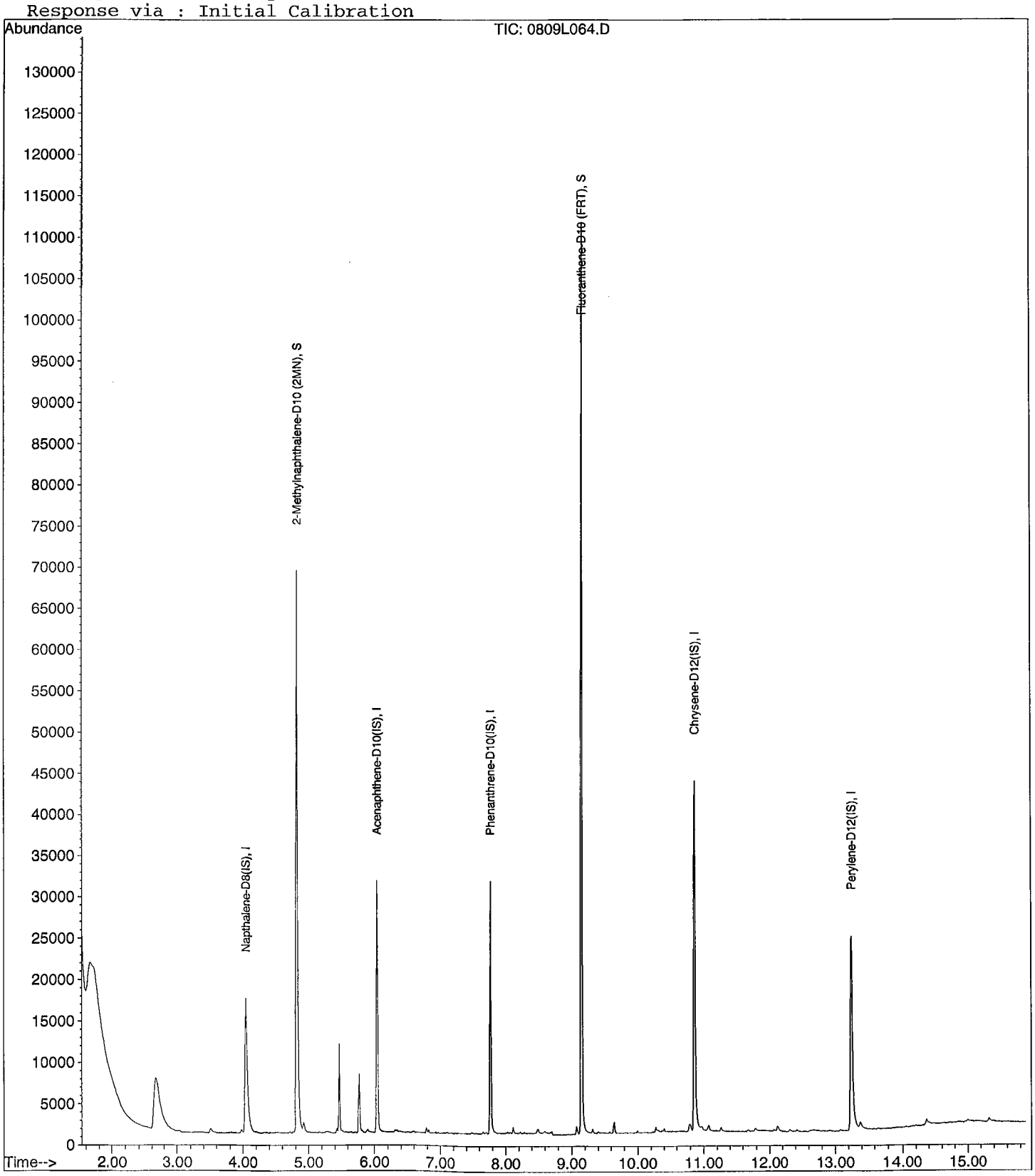
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\LINUS\DATA\L210809\0809L064.D Vial: 64
Acq On : 13 Aug 21 12:12 Operator: LS
Sample : 210811A BLK 1/1000 Inst : Linus
Misc : Multiplr: 1.00

Quant Time: Aug 13 15:01 2021 Quant Results File: L0715.RES

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



Quantitation Report (QT Reviewed)

Data File : M:\LINUS\DATA\L210809\0809L065.D Vial: 65
Acq On : 13 Aug 21 12:34 Operator: LS
Sample : 210811A LCS-1 1/1000 Inst : Linus
Misc : Multiplr: 1.00

Quant Time: Aug 13 14:26 2021 Quant Results File: L0715.RES

Quant Method : M:\LINUS\DATA\L210809\L0715.M (RTE Integrator)
Title : EPA 8270
Last Update : Thu Jul 15 11:59:44 2021
Response via : Initial Calibration
DataAcq Meth : SIM_2

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Napthalene-D8(IS)	4.05	136	35844	2.50	ppb	0.00
6) Acenaphthene-D10(IS)	6.04	164	16895	2.50	ppb	-0.01
10) Phenanthrene-D10(IS)	7.76	188	28811	2.50	ppb	0.00
15) Chrysene-D12(IS)	10.86	240	46152	2.50	ppb	-0.01
20) Perylene-D12(IS)	13.25	264	41743	2.50	ppb	0.00
System Monitoring Compounds						
3) 2-Methylnaphthalene-D10 (2	4.82	152	72835	4.30	ppb	0.00
Spiked Amount 5.000			Recovery	=	85.960%	
13) Fluoranthene-D10 (FRT)	9.15	212	109024	4.92	ppb	0.00
Spiked Amount 5.000			Recovery	=	98.380%	
Target Compounds						Qvalue
2) Naphthalene	4.07	128	75512	4.48	ppb	99
4) 2-Methylnaphthalene	4.85	142	45332	4.57	ppb	97
5) 1-Methylnaphthalene	4.96	142	45782	4.54	ppb	99
7) Acenaphthylene	5.88	152	154932	4.81	ppb	99
8) Acenaphthene	6.07	154	38889	4.50	ppb	85
9) Fluorene	6.68	166	51563	4.85	ppb	94
11) Phenanthrene	7.79	178	70779	4.54	ppb	97
12) Anthracene	7.85	178	66552	4.69	ppb	97
14) Fluoranthene	9.17	202	119969	5.11	ppb	93
16) Pyrene	9.43	202	122414	4.50	ppb	93
17) Benz (a) anthracene	10.85	228	111676	4.63	ppb	97
18) Chrysene	10.90	228	105322	4.18	ppb	98
19) Indeno (1,2,3-cd) pyrene	14.74	276	99032	4.20	ppb	95
21) Benzo (b) fluoranthene	12.57	252	91249	4.27	ppb	98
22) Benzo (k) fluoranthene	12.63	252	111367	4.74	ppb	98
23) Benzo (a) pyrene	13.15	252	91185	4.49	ppb	99
24) Dibenz (a,h) anthracene	14.78	278	81676	4.33	ppb	99
25) Benzo (g,h,i) perylene	15.10	276	85348	4.19	ppb	93

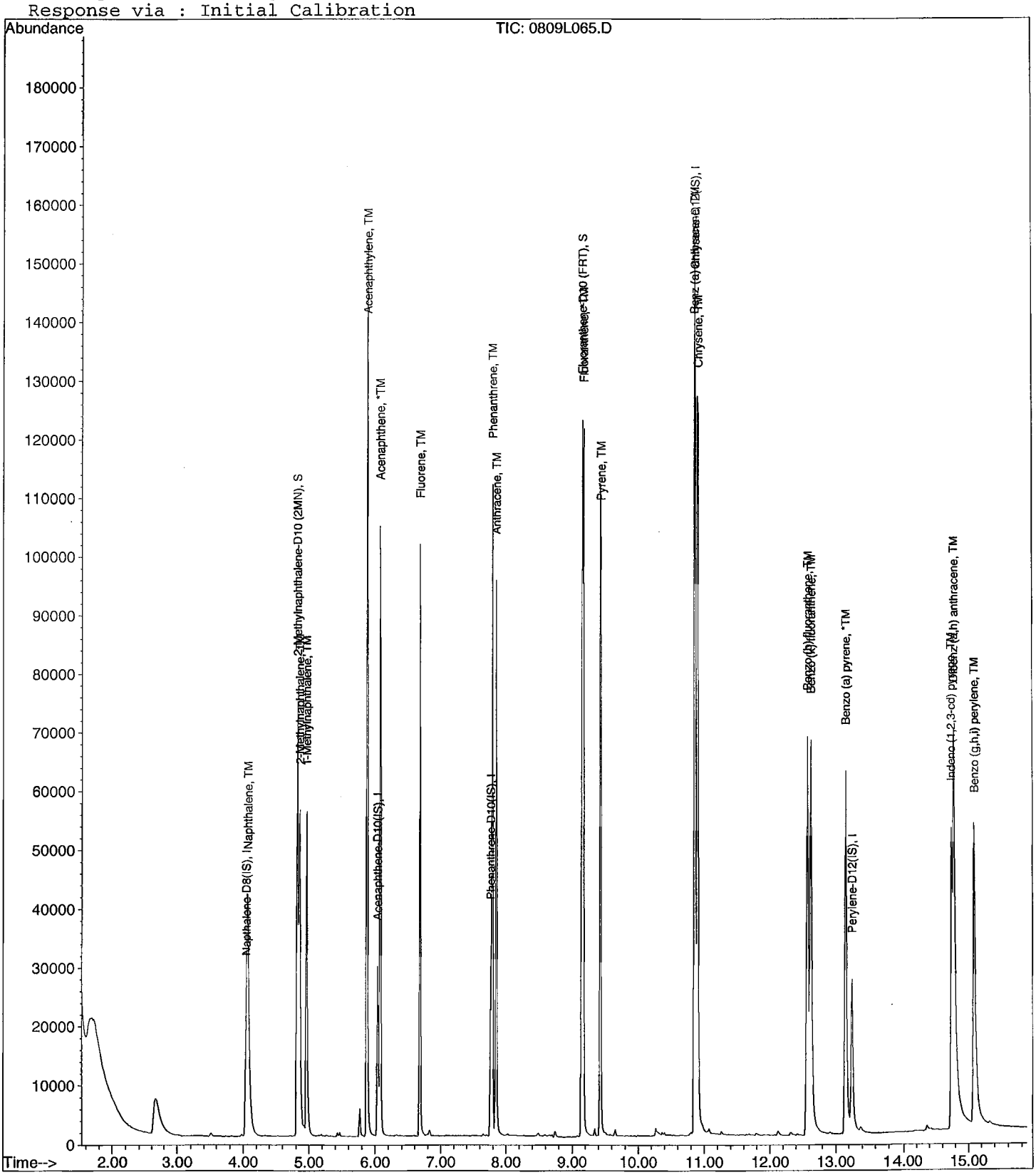
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\LINUS\DATA\L210809\0809L065.D Vial: 65
Acq On : 13 Aug 21 12:34 Operator: LS
Sample : 210811A LCS-1 1/1000 Inst : Linus
Misc : Multiplr: 1.00

Quant Time: Aug 13 14:26 2021 Quant Results File: L0715.RES

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



Quantitation Report (QT Reviewed)

Data File : M:\LINUS\DATA\L210809\0809L066.D Vial: 66
Acq On : 13 Aug 21 12:57 Operator: LS
Sample : 210811A LCSD-1 1/1000 Inst : Linus
Misc : Multiplr: 1.00

Quant Time: Aug 13 14:26 2021 Quant Results File: L0715.RES

Quant Method : M:\LINUS\DATA\L210809\L0715.M (RTE Integrator)
Title : EPA 8270
Last Update : Thu Jul 15 11:59:44 2021
Response via : Initial Calibration
DataAcq Meth : SIM_2

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Napthalene-D8(IS)	4.05	136	37774	2.50	ppb		0.00
6) Acenaphthene-D10(IS)	6.04	164	18062	2.50	ppb		-0.01
10) Phenanthrene-D10(IS)	7.76	188	30284	2.50	ppb		0.00
15) Chrysene-D12(IS)	10.87	240	48587	2.50	ppb		0.00
20) Perylene-D12(IS)	13.25	264	43900	2.50	ppb		0.00
System Monitoring Compounds							
3) 2-Methylnaphthalene-D10 (2	4.82	152	75880	4.25	ppb		0.00
Spiked Amount 5.000			Recovery =	84.980%			
13) Fluoranthene-D10 (FRT)	9.15	212	111496	4.79	ppb		0.00
Spiked Amount 5.000			Recovery =	95.720%			
Target Compounds							Qvalue
2) Naphthalene	4.07	128	79438	4.47	ppb		100
4) 2-Methylnaphthalene	4.85	142	47791	4.57	ppb		98
5) 1-Methylnaphthalene	4.96	142	47996	4.51	ppb		99
7) Acenaphthylene	5.88	152	162784	4.73	ppb		99
8) Acenaphthene	6.07	154	41044	4.45	ppb		84
9) Fluorene	6.68	166	53662	4.72	ppb		94
11) Phenanthrene	7.79	178	73335	4.48	ppb		98
12) Anthracene	7.85	178	69554	4.67	ppb		97
14) Fluoranthene	9.17	202	126257	5.12	ppb		92
16) Pyrene	9.43	202	129005	4.50	ppb		93
17) Benz (a) anthracene	10.85	228	116540	4.58	ppb		97
18) Chrysene	10.90	228	111971	4.22	ppb		99
19) Indeno (1,2,3-cd) pyrene	14.74	276	102785	4.14	ppb	#	96
21) Benzo (b) fluoranthene	12.57	252	96747	4.31	ppb		98
22) Benzo (k) fluoranthene	12.63	252	117405	4.75	ppb		98
23) Benzo (a) pyrene	13.15	252	95711	4.48	ppb		99
24) Dibenz (a,h) anthracene	14.78	278	85444	4.31	ppb		99
25) Benzo (g,h,i) perylene	15.08	276	88914	4.15	ppb		96

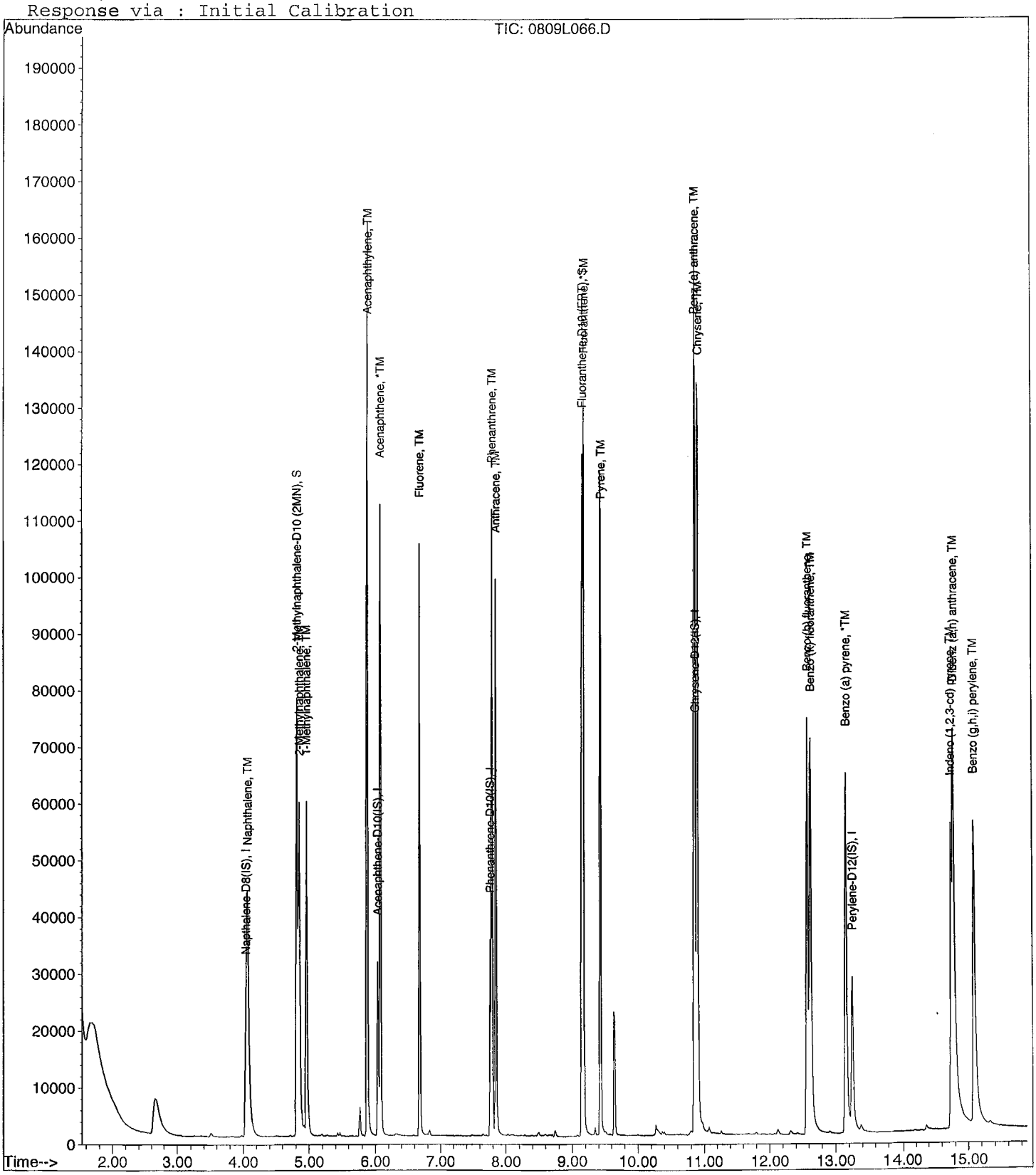
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\LINUS\DATA\L210809\0809L066.D Vial: 66
Acq On : 13 Aug 21 12:57 Operator: LS
Sample : 210811A LCSD-1 1/1000 Inst : Linus
Misc : Multiplr: 1.00

Quant Time: Aug 13 14:26 2021 Quant Results File: L0715.RES

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

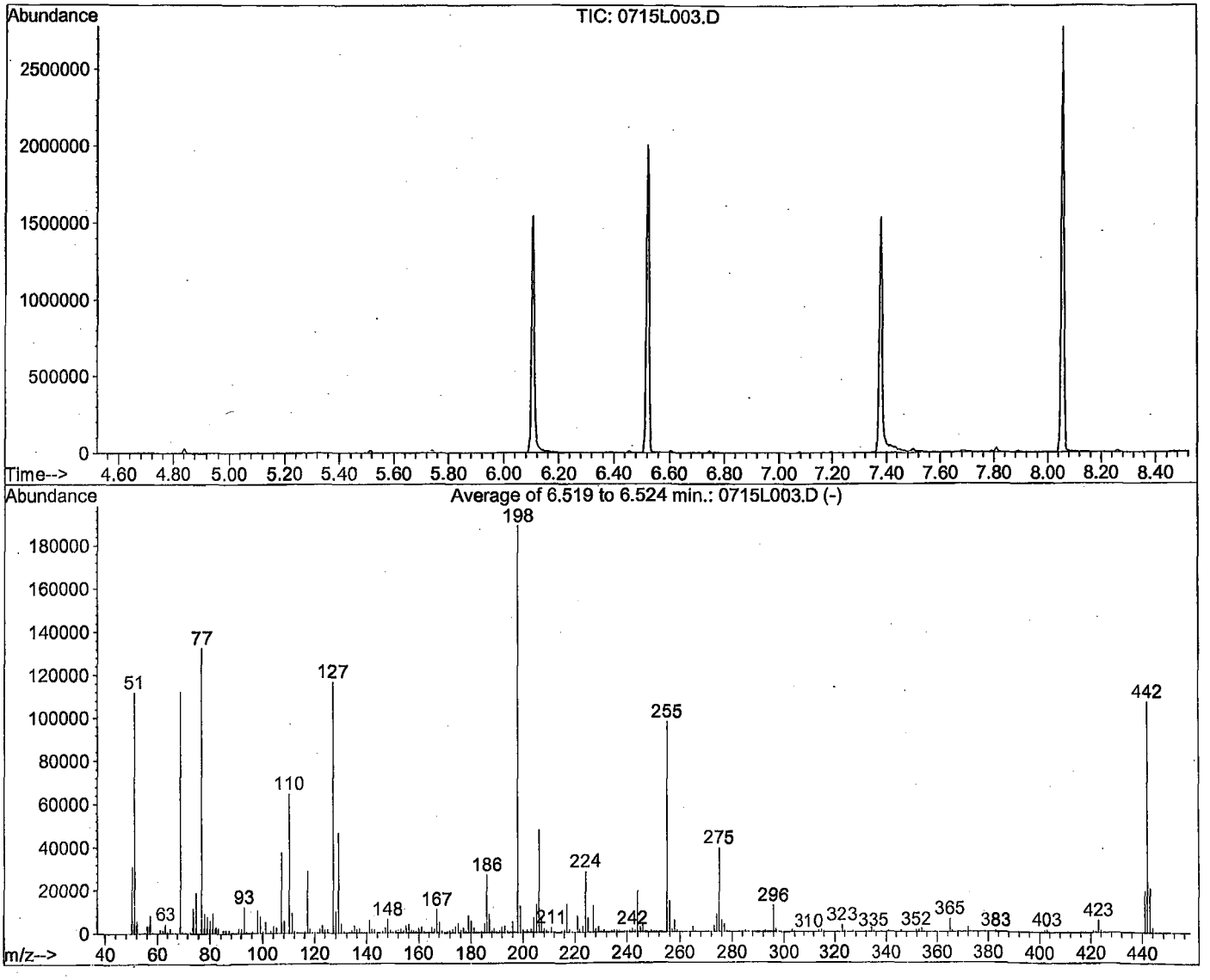


DFTPP

Data File : M:\LINUS\DATA\L210715\0715L003.D
Acq On : 15 Jul 21 8:48
Sample : SV TUNE 7/2/21
Misc :

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

Method : M:\LINUS\DATA\L210715\L0324.M (RTE Integrator)
Title : EPA 8270



AutoFind: Scans 1580, 1581, 1582; Background Corrected with Scan 1572

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	59.2	111892	PASS
68	69	0.00	2	0.0	0	PASS
70	69	0.00	2	0.5	615	PASS
127	198	10	80	61.7	116643	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	188928	PASS
199	198	5	9	6.6	12463	PASS
275	198	10	60	20.7	39029	PASS
365	198	1	100	3.2	6011	PASS
441	442	0.01	24	17.9	19195	PASS
442	198	50	500	56.6	107027	PASS
443	442	15	24	19.1	20450	PASS

Data File Name:	**0715L003.D**
Data File Path:	**M:\LINUS\DATA\L210715**
Operator:	**LS**
Date Acquired:	**15 Jul 2021 08:48**
Method File:	**DFTPP2.M**
Sample Name:	**SV TUNE 7/2/21**
Vial Number:	**3**
Instrument Name:	**Linus**

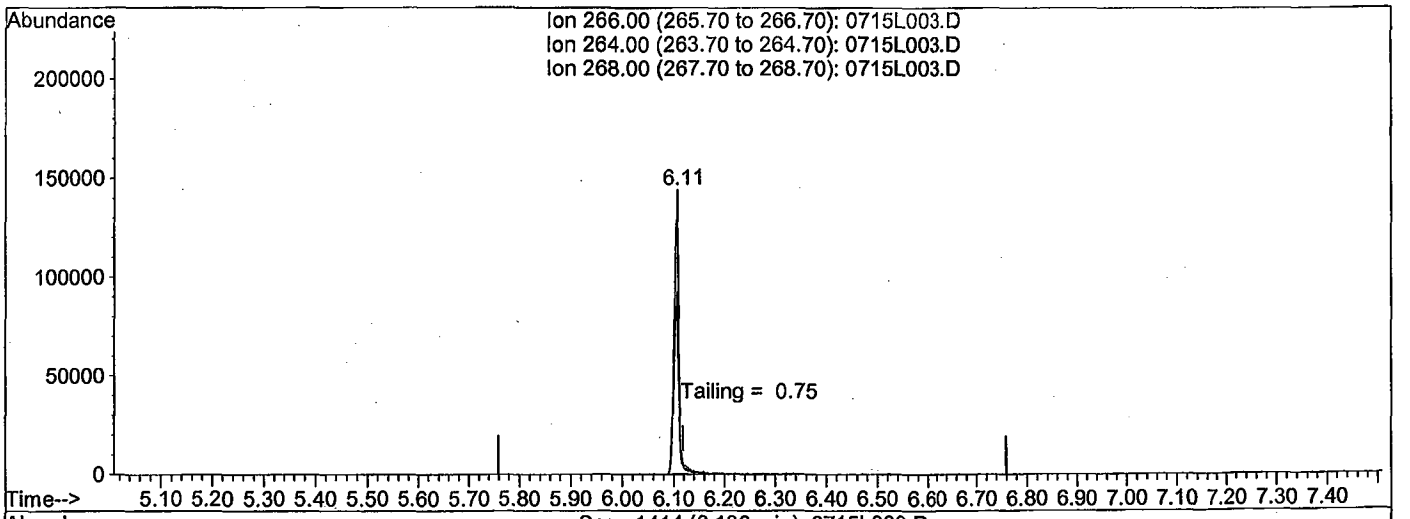
#	Name	Ret Time	Target Response
1)	DDT	8.08	19115000
2)	DDD	7.83	189890
3)	DDE	7.55	0

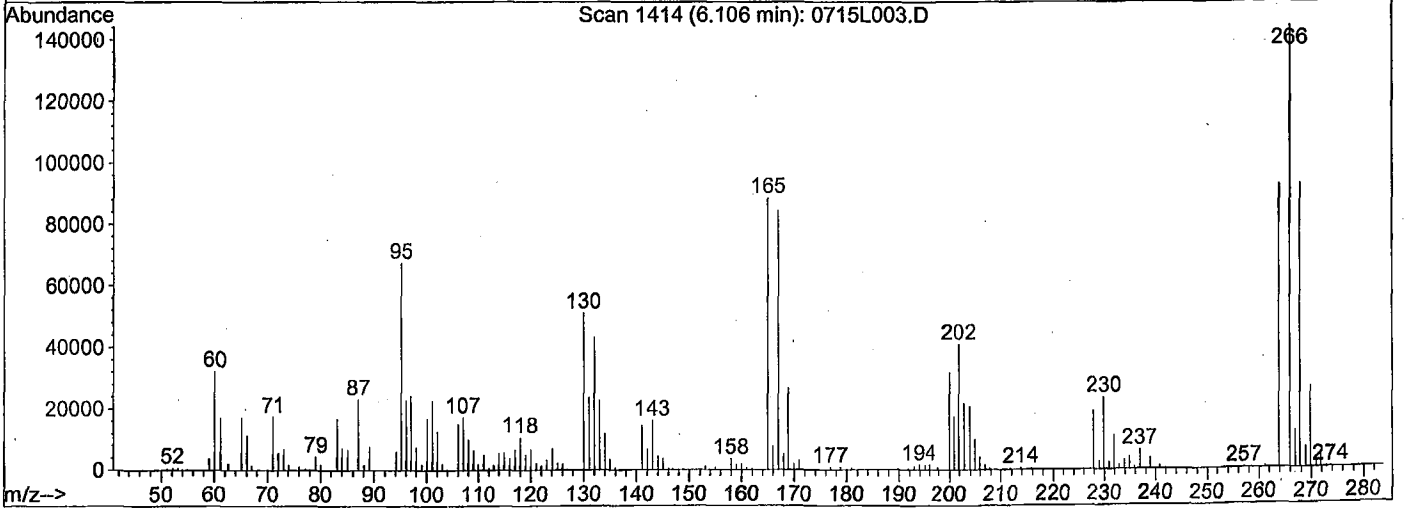
Breakdown **0.98**

Quantitation Report

Data File : M:\LINUS\DATA\L210715\0715L003.D Vial: 3
Acq On : 15 Jul 21 8:48 Operator: LS
Sample : SV TUNE 7/2/21 Inst : Linus
Misc : Multiplr: 1.00
Quant Time: Jul 15 8:58 2021 Quant Results File: temp.res

Method : M:\LINUS\DATA\L210715\DFTPP2.M (Chemstation Integrator)
Title :
Last Update : Wed Jun 23 11:24:41 2021
Response via : Single Level Calibration





TIC: 0715L003.D

(5) Pentachlorophenol

6.11min 0.0000

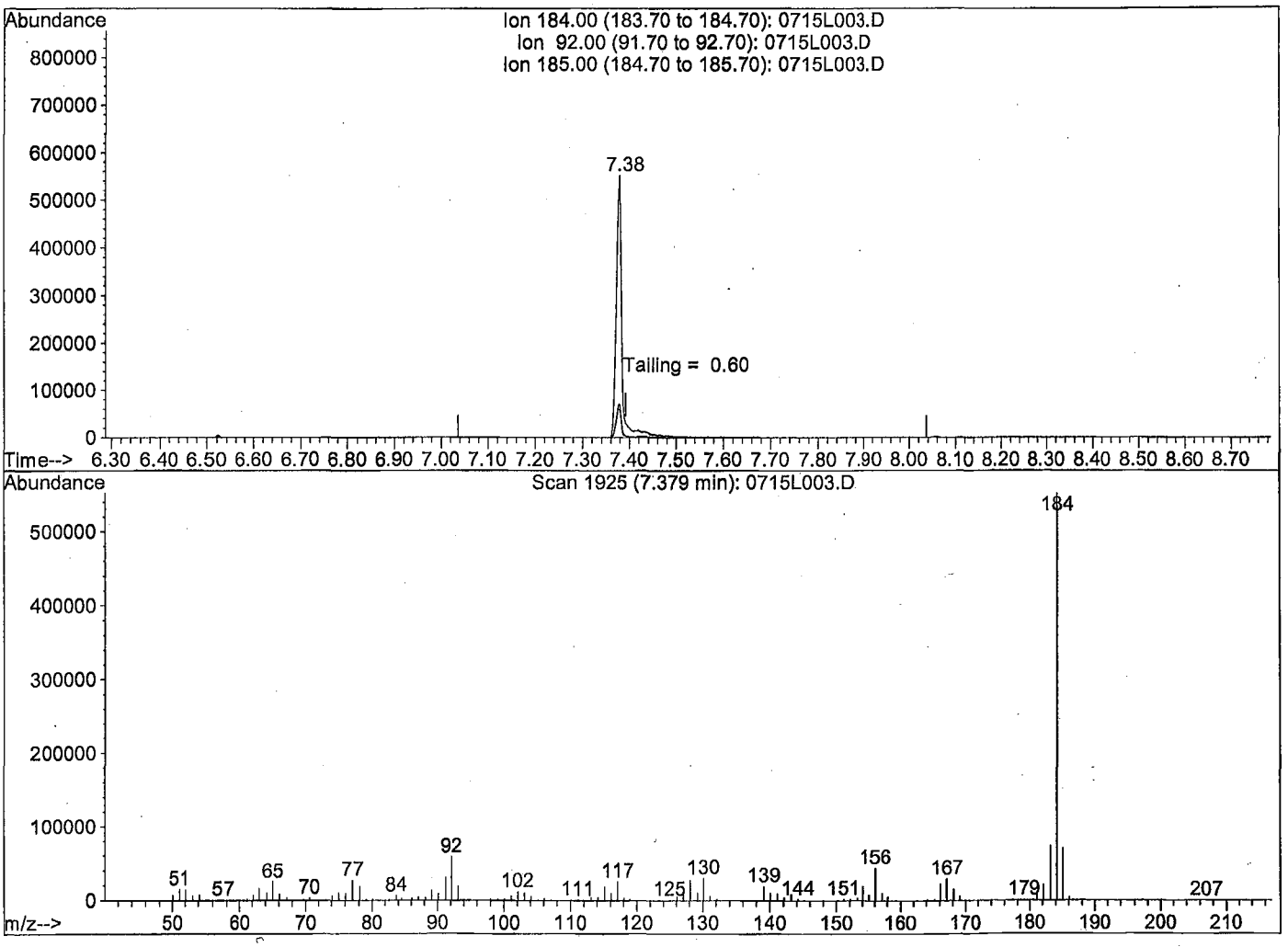
response 965084

Ion	Exp%	Act%
266.00	100	100
264.00	60.60	66.64
268.00	65.30	65.09
0.00	0.00	0.00

Quantitation Report

Data File : M:\LINUS\DATA\L210715\0715L003.D Vial: 3
Acq On : 15 Jul 21 8:48 Operator: LS
Sample : SV TUNE 7/2/21 Inst : Linus
Misc : Multiplr: 1.00
Quant Time: Jul 15 8:58 2021 Quant Results File: temp.res

Method : M:\LINUS\DATA\L210715\DFTPP2.M (Chemstation Integrator)
Title :
Last Update : Wed Jun 23 11:24:41 2021
Response via : Single Level Calibration



TIC: 0715L003.D

(6) Benzidine

7.38min 0.0000

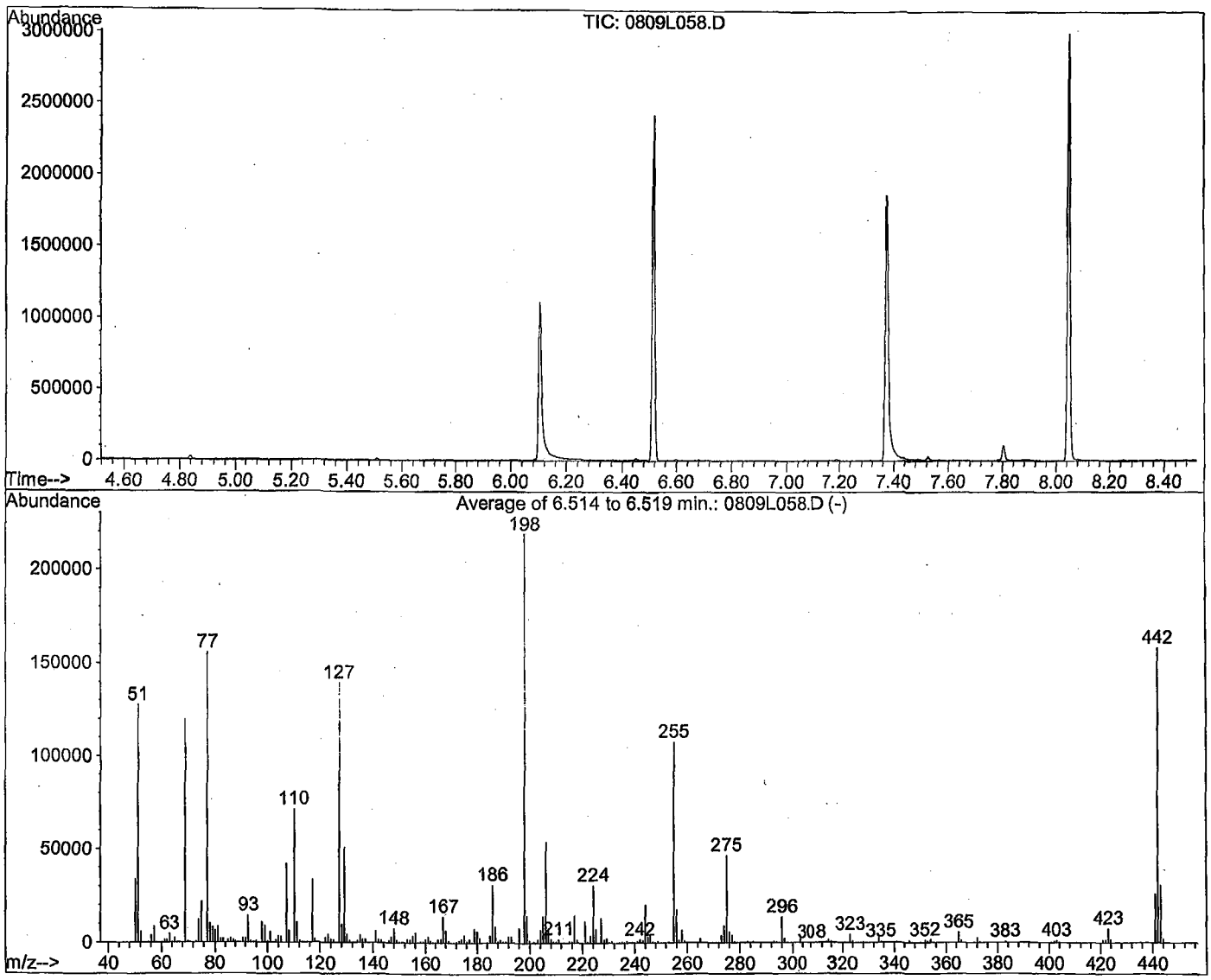
response 4007933

Ion	Exp%	Act%
184.00	100	100
92.00	7.20	11.22#
185.00	13.60	14.15
0.00	0.00	0.00

Data File : M:\LINUS\DATA\L210809\0809L058.D
Acq On : 13 Aug 21 10:03
Sample : SV TUNE 7/2/21
Misc :

Vial: 58
Operator: LS
Inst : Linus
Multiplr: 1.00

Method : M:\LINUS\DATA\L210809\L0715.M (RTE Integrator)
Title : EPA 8270



AutoFind: Scans 1578, 1579, 1580; Background Corrected with Scan 1569

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	58.2	127596	PASS
68	69	0.00	2	0.0	0	PASS
70	69	0.00	2	0.8	927	PASS
127	198	10	80	63.7	139632	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	219285	PASS
199	198	5	9	6.6	14535	PASS
275	198	10	60	21.4	46923	PASS
365	198	1	100	2.6	5720	PASS
441	442	0.01	24	16.5	26096	PASS
442	198	50	500	72.3	158528	PASS
443	442	15	24	19.3	30637	PASS

Data File Name:	**0809L058.D**
Data File Path:	**M:\LINUS\DATA\L210809**
Operator:	**LS**
Date Acquired:	**13 Aug 2021 10:03**
Method File:	**DFTPP2.M**
Sample Name:	**SV TUNE 7/2/21**
Vial Number:	**58**
Instrument Name:	**Linus**

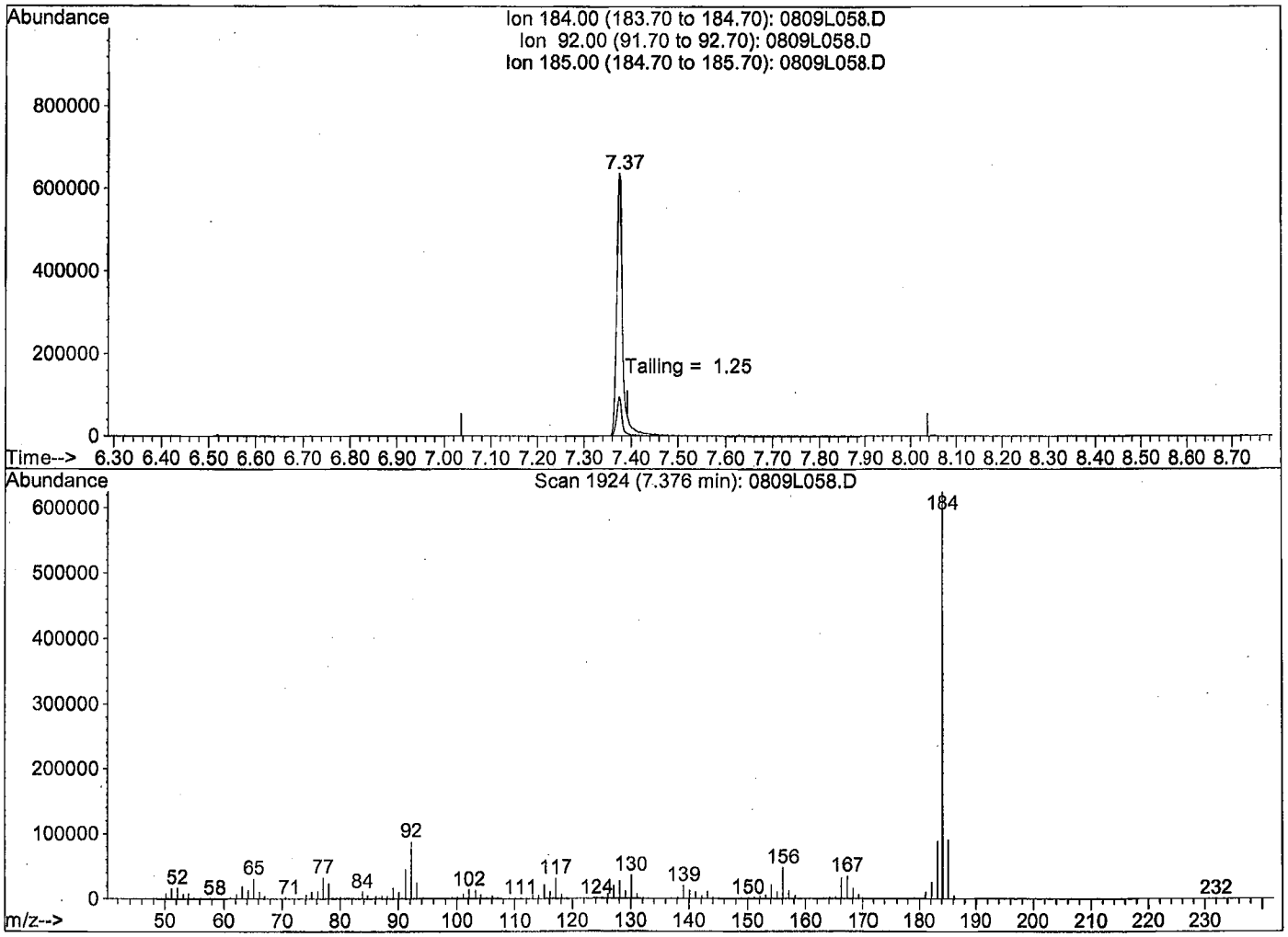
#	Name	Ret Time	Target Response
1)	DDT	8.08	20407500
2)	DDD	7.83	765514
3)	DDE	7.55	123229

Breakdown **4.17**

Quantitation Report

Data File : M:\LINUS\DATA\L210809\0809L058.D Vial: 58
Acq On : 13 Aug 21 10:03 Operator: LS
Sample : SV TUNE 7/2/21 Inst : Linus
Misc : Multiplr: 1.00
Quant Time: Aug 13 10:27 2021 Quant Results File: temp.res

Method : M:\LINUS\DATA\L210809\DFTPP2.M (Chemstation Integrator)
Title :
Last Update : Wed Jun 23 11:24:41 2021
Response via : Single Level Calibration



TIC: 0809L058.D

(6) Benzidine

7.38min 0.0000

response 5346037

Ion	Exp%	Act%
184.00	100	100
92.00	7.20	14.06#
185.00	13.60	14.59
0.00	0.00	0.00

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

Prep Date 07/08/21

Exp Date 06/17/22

Initial Standard Information						Final Standard Information			
Name of Initial Standard (from container Label)	Supplier	Supplier P/N# (or APPL Mix Name)	Conc. (range)	Lot # with QA # (or reference to APPL prep date)	Exp Date	Aliquot from Stock	Final Volume	Final Solvent + Lot# (or APPL Prep Date)	Final Standard Conc (range)
1.0 ug/mL SIM	APPL	1.0 ug/mL SIM	1.0 ug/mL	07/08/21	06/17/22	10 uL	100uL	MC 60338 90uL	0.1 ug/mL
SIM Internal Standard	APPL	SIM Internal Standard	125 ug/mL	06/17/21	06/17/22	2 uL	*	*	2.5ug/mL
1.0 ug/mL SIM	APPL	1.0 ug/mL SIM	1.0 ug/mL	07/08/21	06/17/22	20 uL	100uL	MC 60338 80uL	0.2 ug/mL
SIM Internal Standard	APPL	SIM Internal Standard	125 ug/mL	06/17/21	06/17/22	2 uL	*	*	2.5ug/mL
5.0 ug/mL SIM	APPL	5.0 ug/mL SIM	5.0 ug/mL	07/08/21	06/17/22	10 uL	100uL	MC 60338 90uL	0.5 ug/mL
SIM Internal Standard	APPL	SIM Internal Standard	125 ug/mL	06/17/21	06/17/22	2 uL	*	*	2.5ug/mL
5.0 ug/mL SIM	APPL	5.0 ug/mL SIM	5.0 ug/mL	07/08/21	06/17/22	20 uL	100uL	MC 60338 80 uL	1.0 ug/mL
SIM Internal Standard	APPL	SIM Internal Standard	125 ug/mL	06/17/21	06/17/22	2 uL	*	*	2.5ug/mL
SIM STOCK	APPL	SIM STOCK	200 ug/mL	06/17/21	06/17/22	5 uL	200uL	MC 60338 190 uL	5.0 ug/mL
SIM SURROGATE	APPL	SIM SURR	100 ug/mL	06/17/21	06/17/22	5 uL	*	*	2.5ug/mL
SIM Internal Standard	APPL	SIM Internal Standard	125 ug/mL	06/17/21	06/17/22	4 uL	*	*	2.5ug/mL
SIM STOCK	APPL	SIM STOCK	200 ug/mL	06/17/21	06/17/22	5 uL	100 uL	MC 60338 90 uL	10 ug/mL
SIM SURROGATE	APPL	SIM SURR	100 ug/mL	06/17/21	06/17/22	5 uL	*	*	5 ug/mL
SIM Internal Standard	APPL	SIM Internal Standard	125 ug/mL	06/17/21	06/17/22	2 uL	*	*	2.5ug/mL
SIM STOCK	APPL	SIM STOCK	200 ug/mL	06/17/21	06/17/22	25 uL	100uL	MC 60338 50 uL	50 ug/mL
SIM SURROGATE	APPL	SIM SURR	100 ug/mL	06/17/21	06/17/22	25 uL	*	*	25 ug/mL
SIM Internal Standard	APPL	SIM Internal Standard	125 ug/mL	06/17/21	06/17/22	2 uL	*	*	2.5ug/mL
SIM STOCK	APPL	SIM STOCK	200 ug/mL	06/17/21	06/17/22	50 uL	100uL	na	100 ug/mL
SIM SURROGATE	APPL	SIM SURR	100 ug/mL	06/17/21	06/17/22	50 uL	*	*	50 ug/mL
SIM Internal Standard	APPL	SIM Internal Standard	125 ug/mL	06/17/21	06/17/22	2 uL	*	*	2.5ug/mL

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

Prep Date 07/08/21

Exp Date 06/17/22

Initial Standard Information						Final Standard Information			
Name of Initial Standard (from container Label)	Supplier	Supplier P/N# (or APPL Mix Name)	Conc. (range)	Lot # with QA # (or reference to APPL prep date)	Exp Date	Aliquot from Stock	Final Volume	Final Solvent + Lot# (or APPL Prep Date)	Final Standard Conc (range)
PAH SIM SS Stock	Phenova	AL0-130490	200 ug/mL	06/17/21	06/17/22	5 uL	200uL	MC 60338 195uL	5 ug/mL
SIM Internal Standard	APPL	SIM Internal Standard	125 ug/mL	06/17/21	06/17/22	4 uL	*	*	2.5ug/mL

Name of Final Standard	PAH SIM Stock (Ampule)	Prep'd By (Initials)	LS
Prep Date	06/17/21		
Exp Date	06/17/22		

Initial Standard Information						Final Standard Information			
Name of Initial Standard (from contianer Label)	Supplier	Supplier P/N# (or APPL Mix Name)	Conc.(range)	Lot # with QA # (or reference to APPL prep date)	Exp Date	Aliquot from Stock	Final Volume	Final Solvent + Lot# (or APPL Prep Date)	Final Standard Conc (range)
Custom PAH SIM Mix	Phenova	ALO-130490	200 ug/mL	**CL13121-52443**	**12/31/22**	1000 uL	1mL	**NA**	200 ug/mL

Name of Final Standard	SIM Surrogate	Prep'd By (Initials)	LS
Prep Date	06/17/21		
Exp Date	06/17/22		

Initial Standard Information						Final Standard Information			
Name of Initial Standard (from contianer Label)	Supplier	Supplier P/N# (or APPL Mix Name)	Conc.(range)	Lot # with QA # (or reference to APPL prep date)	Exp Date	Aliquot from Stock	Final Volume	Final Solvent + Lot# (or APPL Prep Date)	Final Standard Conc (range)
Sim Surrogate Deuterated	Restek	33913	2000 ug/mL	**A0161454-50793**	**05/31/26**	1 mL	20 mL	**Acetone #0246130**	100 ug/mL

Name of Final Standard	8270 SIM PAH Internal Standard	Prep'd By (Initials)	LS
Prep Date	06/17/21		
Exp Date	06/17/22		

Initial Standard Information						Final Standard Information			
Name of Initial Standard (from contianer Label)	Supplier	Supplier P/N# (or APPL Mix Name)	Conc.(range)	Lot # with QA # (or reference to APPL prep date)	Exp Date	Aliquot from Stock	Final Volume	Final Solvent + Lot# (or APPL Prep Date)	Final Standard Conc (range)
SV Internal Standard	Restek	31206	2000 ug/mL	**A0162879-50593**	**06/30/26**	625uL	10mL	**MC 60338**	125 ug/mL

Name of Final Standard	SIM SS Stock (Ampule second source)	Prep'd By	LS
Prep Date	06/17/21		
Exp Date	06/17/22		

Initial Standard Information						Final Standard Information			
Name of Initial Standard (from contianer Label)	Supplier	Supplier P/N# (or APPL Mix Name)	Conc.(range)	Lot # with QA # (or reference to APPL prep date)	Exp Date	Aliquot from Stock	Final Volume	Final Solvent + Lot# (or APPL Prep Date)	Final Standard Conc (range)
Custom PAH SIM Mix	Phenova	ALO-130490	200 ug/mL	**CL13117-51757**	**12/31/22**	1000 uL	1mL	**NA**	200 ug/mL

Name of Final Standard	SIM Surrogate
Prep Date	04/08/21
Exp Date	04/08/22

Prep'd By (Initials) LS

Initial Standard Information						Final Standard Information			
Name of Initial Standard (from contianer Label)	Supplier	Supplier P/N# (or APPL Mix Name)	Conc.(range)	Lot # with QA # (or reference to APPL prep date)	Exp Date	Aliquot from Stock	Final Volume	Final Solvent + Lot# (or APPL Prep Date)	Final Standard Conc (range)
Sim Surrogate Deuterated	Restek	33913	2000 ug/mL	A0161454-50791, 50792, 50794	05/31/26	2.5mL	50 mL	Acetone #241320	100 ug/mL

Name of Final Standard	**SIM Spike**
Prep Date	**05/28/21**
Exp Date	**05/28/22**

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

Initial Standard Information						Final Standard Information			
Name of Initial Standard (from contianer Label)	Supplier	Supplier P/N# (or APPL Mix Name)	Conc.(range)	Lot # with QA # (or reference to APPL prep date)	Exp Date	Aliquot from Stock	Final Volume	Final Solvent + Lot# (or APPL Prep Date)	Final Standard Conc.(range)
Custom PAH Sim Mix	Phenova	AL0-130490	200 ug/mL	**CL13121- 50767 50768 50769 50770**	**12/31/22**	5 mL	25 mL	**Acetone 0246130**	40 ug/mL

MAX 8260 Standard Prep

MAX 8260 Water Calibration Curve

0.3ug/L

Prepared: 8/3/2021

Expires: 8/25/2021

Prepared By (Initials): CH

Initial Standard Information							Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	APPL Mix Name	Conc. (ug/mL)	Reference To APPL Prep Date	Exp. Date	Exp. Date (Manufacturers)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/L)
VOA STD. 9	Various	0.3ug/L	5	Prepared 08/03/21	10/2/2021	N/A	3uL	50mL	P&T Water	0.3
VOA STD. 1	Absolute		50	Prepared 08/03/21	10/2/2021	N/A	5uL			5
VOA STD. 2	Phenova		100	Prepared 08/03/21	10/2/2021	N/A	2.5uL			5
VOA STD. TBA	Various		250	Prepared 08/03/21	8/25/2021	N/A	2uL			10

0.5ug/L

Prepared: 8/3/2021

Expires: 8/25/2021

Initial Standard Information							Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	APPL Mix Name	Conc. (ug/mL)	Reference To APPL Prep Date	Exp. Date	Exp. Date (Manufacturers)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/L)
VOA STD. 9	Various	0.5ug/L	5	Prepared 08/03/21	10/2/2021	N/A	5uL	50mL	P&T Water	0.5
VOA STD. 1	Absolute		50	Prepared 08/03/21	10/2/2021	N/A	10uL			10
VOA STD. 2	Phenova		100	Prepared 08/03/21	10/2/2021	N/A	5uL			10
VOA STD. TBA	Various		250	Prepared 08/03/21	8/25/2021	N/A	5uL			25

1.0ug/L

Prepared: 8/3/2021

Expires: 8/25/2021

Initial Standard Information							Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	APPL Mix Name	Conc. (ug/mL)	Reference To APPL Prep Date	Exp. Date	Exp. Date (Manufacturers)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/L)
VOA STD. 9	Various	1.0ug/L	5	Prepared 08/03/21	10/2/2021	N/A	10uL	50mL	P&T Water	1
VOA STD. 1	Absolute		50	Prepared 08/03/21	10/2/2021	N/A	20uL			20
VOA STD. 2	Phenova		100	Prepared 08/03/21	10/2/2021	N/A	10uL			20
VOA STD. TBA	Various		250	Prepared 08/03/21	8/25/2021	N/A	10uL			50

2.0ug/L

Prepared: 8/3/2021

Expires: 8/25/2021

Initial Standard Information							Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	APPL Mix Name	Conc. (ug/mL)	Reference To APPL Prep Date	Exp. Date	Exp. Date (Manufacturers)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/L)
VOA STD. 9	Various	2.0ug/L	5	Prepared 08/03/21	10/2/2021	N/A	20uL	50mL	P&T Water	2
VOA STD. 1	Absolute		50	Prepared 08/03/21	10/2/2021	N/A	30uL			30
VOA STD. 2	Phenova		100	Prepared 08/03/21	10/2/2021	N/A	15uL			30
VOA STD. TBA	Various		250	Prepared 08/03/21	8/25/2021	N/A	15uL			75

5ug/L

Prepared: 8/3/2021

Expires: 8/25/2021

Initial Standard Information							Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	APPL Mix Name	Conc. (ug/mL)	Reference To APPL Prep Date	Exp. Date	Exp. Date (Manufacturers)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/L)
VOA STD. 7	Various	5ug/L	50	Prepared 08/03/21	10/2/2021	N/A	5uL	50mL	P&T Water	5
VOA STD. 8	Phenova		50	Prepared 08/03/21	8/25/2021	N/A	5uL			5
VOA STD. 1	Absolute		50	Prepared 08/03/21	10/2/2021	N/A	40uL			40
VOA STD. 2	Phenova		100	Prepared 08/03/21	10/2/2021	N/A	20uL			20
VOA STD. TBA	Various		250	Prepared 08/03/21	8/25/2021	N/A	20uL			100

10ug/L

Prepared: 8/3/2021

Expires: 8/25/2021

Initial Standard Information							Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	APPL Mix Name	Conc. (ug/mL)	Reference To APPL Prep Date	Exp. Date	Exp. Date (Manufacturers)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/L)
VOA STD. 7	Various	10ug/L	50	Prepared 08/03/21	10/2/2021	N/A	10uL	50mL	P&T Water	10
VOA STD. 8	Phenova		50	Prepared 08/03/21	8/25/2021	N/A	10uL			10
VOA STD. 1	Absolute		50	Prepared 08/03/21	10/2/2021	N/A	50uL			50
VOA STD. 2	Phenova		100	Prepared 08/03/21	10/2/2021	N/A	25uL			50
VOA STD. TBA	Various		250	Prepared 08/03/21	8/25/2021	N/A	25uL			125

20ug/L

Prepared: 8/3/2021

Expires: 8/25/2021

Initial Standard Information							Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	APPL Mix Name	Conc. (ug/mL)	Reference To APPL Prep Date	Exp. Date	Exp. Date (Manufacturers)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/L)
VOA STD. 7	Various	20ug/L	50	Prepared 08/03/21	10/2/2021	N/A	20uL	50mL	P&T Water	20
VOA STD. 8	Phenova		50	Prepared 08/03/21	8/25/2021	N/A	20uL			20
VOA STD. 1	Absolute		50	Prepared 08/03/21	10/2/2021	N/A	60uL			60
VOA STD. 2	Phenova		100	Prepared 08/03/21	10/2/2021	N/A	30uL			60
VOA STD. TBA	Various		250	Prepared 08/03/21	8/25/2021	N/A	30uL			150

40ug/L

Prepared: 8/3/2021

Expires: 8/25/2021

Initial Standard Information							Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	APPL Mix Name	Conc. (ug/mL)	Reference To APPL Prep Date	Exp. Date	Exp. Date (Manufacturers)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/L)
VOA STD. 7	Various	40ug/L	50	Prepared 08/03/21	10/2/2021	N/A	40uL	50mL	P&T Water	40
VOA STD. 8	Phenova		50	Prepared 08/03/21	8/25/2021	N/A	40uL			40
VOA STD. 1	Absolute		50	Prepared 08/03/21	10/2/2021	N/A	80uL			80
VOA STD. 2	Phenova		100	Prepared 08/03/21	10/2/2021	N/A	40uL			80
VOA STD. TBA	Various		250	Prepared 08/03/21	8/25/2021	N/A	35uL			175

100ug/L

Prepared: 8/3/2021

Expires: 8/25/2021

Initial Standard Information							Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	APPL Mix Name	Conc. (ug/mL)	Reference To APPL Prep Date	Exp. Date	Exp. Date (Manufacturers)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/L)
VOA STD. 7	Various	100ug/L	50	Prepared 08/03/21	10/2/2021	N/A	100uL	50mL	P&T Water	100
VOA STD. 8	Phenova		50	Prepared 08/03/21	8/25/2021	N/A	100uL			100
VOA STD. 1	Absolute		50	Prepared 08/03/21	10/2/2021	N/A	100uL			100
VOA STD. 2	Phenova		100	Prepared 08/03/21	10/2/2021	N/A	50uL			100
VOA STD. TBA	Various		250	Prepared 08/03/21	8/25/2021	N/A	40uL			200

MAX 8260 Water Second Source (SS)

Prepared: 8/3/2021

Expires: 8/25/2021

Prepared By (Initials): CH

Initial Standard Information							Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	APPL Mix Name	Conc. (ug/mL)	Reference To APPL Prep Date	Exp. Date	Exp. Date (Manufacturers)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/L)
VOA STD. 3	Phenova	8260 Water SS	100	Prepared 08/03/21	10/2/2021	N/A	25uL	50mL	P&T Water	50
VOA STD. GASES	Phenova	8260 Water SS	50	Prepared 08/03/21	10/2/2021	N/A	10uL			10
VOA STD. 0	Phenova	8260 Water SS	50	Prepared 08/03/21	10/2/2021	N/A	10uL			10
VOA STD. 2-CEVE	Absolute	8260 Water SS	50	Prepared 08/03/21	8/3/2021	N/A	50uL			50
VOA STD. 6	Various	8260 Water SS	50	Prepared 08/03/21	8/25/2021	N/A	10uL			10
Voa STD. TBA	Various	8260 Water SS	250	Prepared 08/03/21	8/25/2021	N/A	25uL			250

8260 Water Continuing Calibrations (CCV)/ Lab Control Spikes (LCS)

Prepared: 8/3/2021

Expires: 8/4/2021

Prepared By (Initials): CH

Initial Standard Information							Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	APPL Mix Name	Conc. (ug/mL)	Reference To APPL Prep Date	Exp. Date	Exp. Date (Manufacturers)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/L)
VOA STD. 7	Various	CCV/ LCS	50	Prepared 08/03/21	10/2/2021	N/A	10uL	50mL	P&T Water	10
VOA STD. 8	Phenova	CCV/ LCS	50	Prepared 08/03/21	8/25/2021	N/A	10uL			10
VOA STD. 1	Absolute	CCV/ LCS	50	Prepared 08/03/21	10/2/2021	N/A	50uL			50
VOA STD. 2	Phenova	CCV/ LCS	100	Prepared 08/03/21	10/2/2021	N/A	25uL			50
VOA STD. TBA	Various	CCV/ LCS	250	Prepared 08/03/21	8/25/2021	N/A	25uL			250

MAX 8260 Standard Prep

MAX 8260 Water Calibration Curve

0.3ug/L

Prepared: 8/3/2021

Expires: 8/25/2021

Prepared By (Initials): CH

Initial Standard Information							Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	APPL Mix Name	Conc. (ug/mL)	Reference To APPL Prep Date	Exp. Date	Exp. Date (Manufacturers)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/L)
VOA STD. 9	Various	0.3ug/L	5	Prepared 08/03/21	10/2/2021	N/A	3uL	50mL	P&T Water	0.3
VOA STD. 1	Absolute		50	Prepared 08/03/21	10/2/2021	N/A	5uL			5
VOA STD. 2	Phenova		100	Prepared 08/03/21	10/2/2021	N/A	2.5uL			5
VOA STD. TBA	Various		250	Prepared 08/03/21	8/25/2021	N/A	2uL			10

0.5ug/L

Prepared: 8/3/2021

Expires: 8/25/2021

Initial Standard Information							Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	APPL Mix Name	Conc. (ug/mL)	Reference To APPL Prep Date	Exp. Date	Exp. Date (Manufacturers)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/L)
VOA STD. 9	Various	0.5ug/L	5	Prepared 08/03/21	10/2/2021	N/A	5uL	50mL	P&T Water	0.5
VOA STD. 1	Absolute		50	Prepared 08/03/21	10/2/2021	N/A	10uL			10
VOA STD. 2	Phenova		100	Prepared 08/03/21	10/2/2021	N/A	5uL			10
VOA STD. TBA	Various		250	Prepared 08/03/21	8/25/2021	N/A	5uL			25

1.0ug/L

Prepared: 8/3/2021

Expires: 8/25/2021

Initial Standard Information							Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	APPL Mix Name	Conc. (ug/mL)	Reference To APPL Prep Date	Exp. Date	Exp. Date (Manufacturers)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/L)
VOA STD. 9	Various	1.0ug/L	5	Prepared 08/03/21	10/2/2021	N/A	10uL	50mL	P&T Water	1
VOA STD. 1	Absolute		50	Prepared 08/03/21	10/2/2021	N/A	20uL			20
VOA STD. 2	Phenova		100	Prepared 08/03/21	10/2/2021	N/A	10uL			20
VOA STD. TBA	Various		250	Prepared 08/03/21	8/25/2021	N/A	10uL			50

2.0ug/L

Prepared: 8/3/2021

Expires: 8/25/2021

Initial Standard Information							Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	APPL Mix Name	Conc. (ug/mL)	Reference To APPL Prep Date	Exp. Date	Exp. Date (Manufacturers)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/L)
VOA STD. 9	Various	2.0ug/L	5	Prepared 08/03/21	10/2/2021	N/A	20uL	50mL	P&T Water	2
VOA STD. 1	Absolute		50	Prepared 08/03/21	10/2/2021	N/A	30uL			30
VOA STD. 2	Phenova		100	Prepared 08/03/21	10/2/2021	N/A	15uL			30
VOA STD. TBA	Various		250	Prepared 08/03/21	8/25/2021	N/A	15uL			75

5ug/L

Prepared: 8/3/2021

Expires: 8/25/2021

Initial Standard Information							Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	APPL Mix Name	Conc. (ug/mL)	Reference To APPL Prep Date	Exp. Date	Exp. Date (Manufacturers)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/L)
VOA STD. 7	Various	5ug/L	50	Prepared 08/03/21	10/2/2021	N/A	5uL	50mL	P&T Water	5
VOA STD. 8	Phenova		50	Prepared 08/03/21	8/25/2021	N/A	5uL			5
VOA STD. 1	Absolute		50	Prepared 08/03/21	10/2/2021	N/A	40uL			40
VOA STD. 2	Phenova		100	Prepared 08/03/21	10/2/2021	N/A	20uL			20
VOA STD. TBA	Various		250	Prepared 08/03/21	8/25/2021	N/A	20uL			100

10ug/L

Prepared: 8/3/2021

Expires: 8/25/2021

Initial Standard Information							Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	APPL Mix Name	Conc. (ug/mL)	Reference To APPL Prep Date	Exp. Date	Exp. Date (Manufacturers)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/L)
VOA STD. 7	Various	10ug/L	50	Prepared 08/03/21	10/2/2021	N/A	10uL	50mL	P&T Water	10
VOA STD. 8	Phenova		50	Prepared 08/03/21	8/25/2021	N/A	10uL			10
VOA STD. 1	Absolute		50	Prepared 08/03/21	10/2/2021	N/A	50uL			50
VOA STD. 2	Phenova		100	Prepared 08/03/21	10/2/2021	N/A	25uL			50
VOA STD. TBA	Various		250	Prepared 08/03/21	8/25/2021	N/A	25uL			125

20ug/L

Prepared: 8/3/2021

Expires: 8/25/2021

Initial Standard Information							Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	APPL Mix Name	Conc. (ug/mL)	Reference To APPL Prep Date	Exp. Date	Exp. Date (Manufacturers)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/L)
VOA STD. 7	Various	20ug/L	50	Prepared 08/03/21	10/2/2021	N/A	20uL	50mL	P&T Water	20
VOA STD. 8	Phenova		50	Prepared 08/03/21	8/25/2021	N/A	20uL			20
VOA STD. 1	Absolute		50	Prepared 08/03/21	10/2/2021	N/A	60uL			60
VOA STD. 2	Phenova		100	Prepared 08/03/21	10/2/2021	N/A	30uL			60
VOA STD. TBA	Various		250	Prepared 08/03/21	8/25/2021	N/A	30uL			150

40ug/L

Prepared: 8/3/2021

Expires: 8/25/2021

Initial Standard Information							Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	APPL Mix Name	Conc. (ug/mL)	Reference To APPL Prep Date	Exp. Date	Exp. Date (Manufacturers)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/L)
VOA STD. 7	Various	40ug/L	50	Prepared 08/03/21	10/2/2021	N/A	40uL	50mL	P&T Water	40
VOA STD. 8	Phenova		50	Prepared 08/03/21	8/25/2021	N/A	40uL			40
VOA STD. 1	Absolute		50	Prepared 08/03/21	10/2/2021	N/A	80uL			80
VOA STD. 2	Phenova		100	Prepared 08/03/21	10/2/2021	N/A	40uL			80
VOA STD. TBA	Various		250	Prepared 08/03/21	8/25/2021	N/A	35uL			175

100ug/L

Prepared: 8/3/2021

Expires: 8/25/2021

Initial Standard Information							Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	APPL Mix Name	Conc. (ug/mL)	Reference To APPL Prep Date	Exp. Date	Exp. Date (Manufacturers)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/L)
VOA STD. 7	Various	100ug/L	50	Prepared 08/03/21	10/2/2021	N/A	100uL	50mL	P&T Water	100
VOA STD. 8	Phenova		50	Prepared 08/03/21	8/25/2021	N/A	100uL			100
VOA STD. 1	Absolute		50	Prepared 08/03/21	10/2/2021	N/A	100uL			100
VOA STD. 2	Phenova		100	Prepared 08/03/21	10/2/2021	N/A	50uL			100
VOA STD. TBA	Various		250	Prepared 08/03/21	8/25/2021	N/A	40uL			200

MAX 8260 Water Second Source (SS)

Prepared: 8/3/2021

Prepared By (Initials): CH

Expires: 8/25/2021

Initial Standard Information							Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	APPL Mix Name	Conc. (ug/mL)	Reference To APPL Prep Date	Exp. Date	Exp. Date (Manufacturers)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/L)
VOA STD. 3	Phenova	8260 Water SS	100	Prepared 08/03/21	10/2/2021	N/A	25uL	50mL	P&T Water	50
VOA STD. GASES	Phenova	8260 Water SS	50	Prepared 08/03/21	10/2/2021	N/A	10uL			10
VOA STD. 0	Phenova	8260 Water SS	50	Prepared 08/03/21	10/2/2021	N/A	10uL			10
VOA STD. 2-CEVE	Absolute	8260 Water SS	50	Prepared 08/03/21	8/3/2021	N/A	50uL			50
VOA STD. 6	Various	8260 Water SS	50	Prepared 08/03/21	8/25/2021	N/A	10uL			10
Voa STD. TBA	Various	8260 Water SS	250	Prepared 08/03/21	8/25/2021	N/A	25uL			250

8260 Water Continuing Calibrations (CCV)/ Lab Control Spikes (LCS)

Prepared: 8/3/2021

Prepared By (Initials): CH

Expires: 8/4/2021

Initial Standard Information							Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	APPL Mix Name	Conc. (ug/mL)	Reference To APPL Prep Date	Exp. Date	Exp. Date (Manufacturers)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/L)
VOA STD. 7	Various	CCV/ LCS	50	Prepared 08/03/21	10/2/2021	N/A	10uL	50mL	P&T Water	10
VOA STD. 8	Phenova	CCV/ LCS	50	Prepared 08/03/21	8/25/2021	N/A	10uL			10
VOA STD. 1	Absolute	CCV/ LCS	50	Prepared 08/03/21	10/2/2021	N/A	50uL			50
VOA STD. 2	Phenova	CCV/ LCS	100	Prepared 08/03/21	10/2/2021	N/A	25uL			50
VOA STD. TBA	Various	CCV/ LCS	250	Prepared 08/03/21	8/25/2021	N/A	25uL			250

MAX Gas Standard Prep

Gas Primary Working Standard

Prepared: 6/23/2021 — **Prepared By (Initials): CH**

Expires: 1/4/2022

Methanol Lot No.

Initial Standard Information							Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	Supplier P/N#	Conc. (ug/mL)	Lot Number - QA Number	Exp. Date (1 yr)	Exp. Date (Manufacturers)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/mL)
50,000ug/mL Gas STD	Restek	30205	50,000	A0132443	1/4/2022	12/31/2024	80uL	2mL	Methanol	2,000

Gas Second Source (SS) Working Standard

Prepared: 3/31/2021 — **Prepared By (Initials): CH**

Expires: 1/31/1930

Methanol Lot No.

Initial Standard Information							Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	Supplier P/N#	Conc. (ug/mL)	Lot Number - QA Number	Exp. Date (1 yr)	Exp. Date (Manufacturers)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/mL)
Gasoline (50,000ppm)	Phenova	ALO-101543	50,000	CL14915-51175	1/4/2022	1/31/1930	80uL	2mL	Methanol	2,000

MAX Gas Calibration Curve

Prepared: 8/3/2021 — **Prepared By (Initials): CH**

Expires: 10/2/2021

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: 8/3/2021 — **Prepared By (Initials): CH**

Expires: 10/2/2021

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: 8/3/2021 — **Prepared By (Initials): CH**

Expires: 8/4/2021

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:\LINUS\DATA\L210715\

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	3	0715L003.D	1	SV TUNE 7/2/21		15 Jul 21 8:48
2	4	0715L004.D	1	0.1 SIM 07/08/21		15 Jul 21 9:04
3	5	0715L005.D	1	0.2 SIM 07/08/21		15 Jul 21 9:26
4	6	0715L006.D	1	0.5 SIM 07/08/21		15 Jul 21 9:48
5	7	0715L007.D	1	1 SIM 07/08/21		15 Jul 21 10:10
6	8	0715L008.D	1	5 SIM 07/08/21		15 Jul 21 10:32
7	9	0715L009.D	1	10 SIM 07/08/21		15 Jul 21 10:55
8	10	0715L010.D	1	50 SIM 07/08/21		15 Jul 21 11:17
9	11	0715L011.D	1	100 SIM 07/08/21		15 Jul 21 11:39
10	12	0715L012.D	1	SS SIM 07/08/21		15 Jul 21 12:01
11	58	0809L058.D	1	SV TUNE 7/2/21		13 Aug 21 10:03
12	59	0809L059.D	1	5 SIM 07/08/21 (3)		13 Aug 21 10:19
13	64	0809L064.D	1	210811A BLK 1/1000		13 Aug 21 12:12
14	65	0809L065.D	1	210811A LCS-1 1/1000		13 Aug 21 12:34
15	66	0809L066.D	1	210811A LCSD-1 1/1000		13 Aug 21 12:57
16	67	0809L067.D	1.14943	BA37422W06 1/870		13 Aug 21 13:19
17	68	0809L068.D	1.14943	BA37425W05 1/870		13 Aug 21 13:41
18	69	0809L069.D	1.14943	BA37428W05 1/870		13 Aug 21 14:03
19	70	0809L070.D	1.17647	BA37431W06 1/850		13 Aug 21 14:25
20	75	0809L075.D	1	5 SIM 07/08/21 (4)		13 Aug 21 16:21

ORGANICS

Calibration Data

VOLATILE ORGANIC ANALYSIS BY
EPA METHOD 8260B

Form 6
Initial Calibration

Lab Name: APPL, Inc. SDG No:
Case No: Initial Cal. Date: 8/16/2021
Matrix: Instrument: Max Initials:

		Compound	0816M07.D 1	0816M08.D 2	0816M09.D 3	0816M10.D 4	0816M11.D 5	0816M12.D 6	0816M13.D 7	0816M14.D 8	0816M14.D 9		Avg	%RSD	Type	r^2	Q	MRF
1	I	Fluorobenzene (IS)																
2	S	Dibromofluoromethane(S)	0.3203	0.3141	0.2540	0.2557	0.2734	0.2757	0.2770	0.3455			0.29	11.5	S			
3	S	1,2-DCA-D4(S)	0.2213	0.1963	0.1578	0.1579	0.1639	0.1654	0.1557	0.1682			0.17	13.4	S			
4	TM	Benzene		0.3649	0.4592	0.4340	0.4067	0.4484	0.4106				0.42	8.1	TM			
5	TM*	Toluene		0.3832	0.4990	0.5257	0.4370	0.5022	0.4661				0.47	11.1	TM*			
6	I	Chlorobenzene-D5 (IS)																
7	S	Toluene-D8(S)	1.458	1.439	1.154	1.128	1.191	1.202	1.170	1.442			1.1	11.4	S			
8	TM	m&p-Xylene		0.3073	0.2573	0.2964	0.2593	0.3001	0.2777	0.3340			0.25	9.5	TM			
9	TM	o-Xylene			0.3051	0.2930	0.2672	0.2977	0.2797				0.24	5.2	TM			
10	S	4-Bromofluorobenzene(S)	0.5679	0.5657	0.4671	0.4420	0.4759	0.4776	0.4620	0.4569			0.44	10.0	S			
11	TM*	Ethylbenzene		0.7622	0.6364	0.7007	0.6237	0.7351	0.6590				0.59	8.1	TM*			
12	I	1,4-Dichlorobenzene-D (IS)																
13																		
14																		
15																		
16																		
17																		
18																		
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34																		
35																		

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\210816\0816M08.D Vial: 3
Acq On : 16 Aug 21 16:51 Operator: LP,DG,CH
Sample : 0.5ug/L HCL-VOC STD 8/16/21 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Sep 19 10:21 2021 Quant Results File: M0816NEW.RES

Quant Method : M:\MAX\DATA\210816\M0816NEW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sun Sep 19 10:18:00 2021
Response via : Initial Calibration
DataAcq Meth : 081621_M8260

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene (IS)	6.31	96	32883	25.00	ppb		0.00
6) Chlorobenzene-D5 (IS)	9.77	117	27419	25.00	ppb		0.00
12) 1,4-Dichlorobenzene-D (IS)	12.33	152	16333	25.00	ppb		0.00
System Monitoring Compounds							
2) Dibromofluoromethane(S)	5.46	111	2066	5.54	ppb		0.00
Spiked Amount 25.000			Recovery = 22.160%				
3) 1,2-DCA-D4(S)	5.88	65	1291	5.47	ppb		0.00
Spiked Amount 25.000			Recovery = 21.880%				
7) Toluene-D8(S)	8.17	98	7890	5.65	ppb		0.00
Spiked Amount 25.000			Recovery = 22.588%				
10) 4-Bromofluorobenzene(S)	11.06	95	3102	5.61	ppb		0.00
Spiked Amount 25.000			Recovery = 22.460%				
Target Compounds							Qvalue
4) Benzene	5.94	78	240	0.51	ppb	#	60
5) Toluene	8.24	91	252	0.49	ppb		98
8) m&p-Xylene	10.06	106	337	1.30	ppb	#	55
9) o-Xylene	10.49	106	47	0.18	ppb	#	46
11) Ethylbenzene	9.93	91	418	0.68	ppb	#	79

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

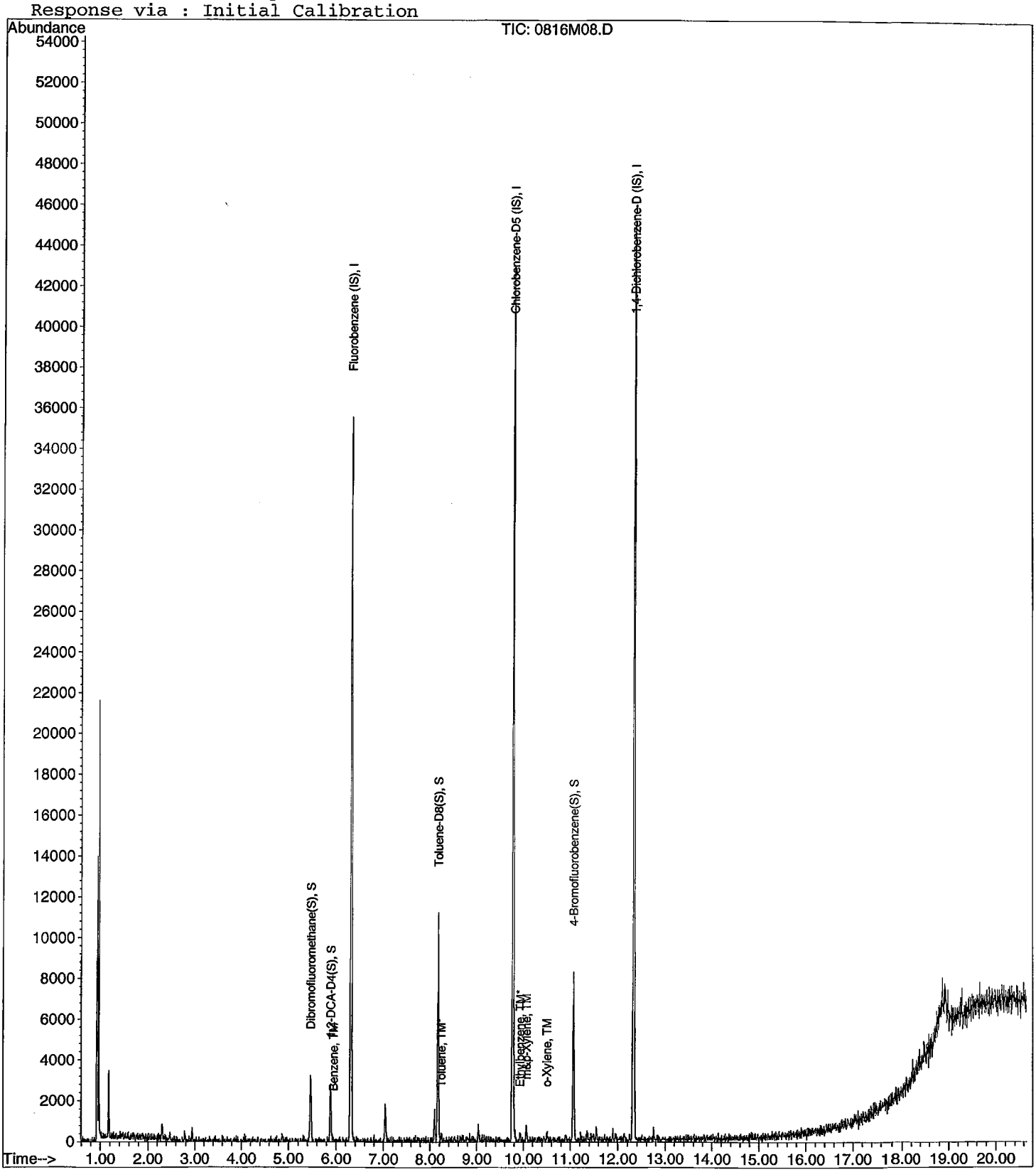
Quantitation Report

Data File : M:\MAX\DATA\210816\0816M08.D
Acq On : 16 Aug 21 16:51
Sample : 0.5ug/L HCL-VOC STD 8/16/21
Misc : IS&S 6/4/21

Vial: 3
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Sep 19 10:21 2021 Quant Results File: M0816NEW.RES

Method : M:\MAX\DATA\210816\M0816NEW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sun Sep 19 10:31:26 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\210816\0816M09.D Vial: 4
Acq On : 16 Aug 21 17:19 Operator: LP,DG,CH
Sample : 1ug/L HCL-VOC STD 8/16/21 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Sep 19 10:21 2021 Quant Results File: M0816NEW.RES

Quant Method : M:\MAX\DATA\210816\M0816NEW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sun Sep 19 10:18:00 2021
Response via : Initial Calibration
DataAcq Meth : 081621_M8260

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene (IS)	6.31	96	32614	25.00	ppb		0.00
6) Chlorobenzene-D5 (IS)	9.76	117	27693	25.00	ppb		0.00
12) 1,4-Dichlorobenzene-D (IS)	12.33	152	16594	25.00	ppb		0.00
System Monitoring Compounds							
2) Dibromofluoromethane(S)	5.46	111	3313	8.96	ppb		0.00
Spiked Amount 25.000			Recovery = 35.828%				
3) 1,2-DCA-D4(S)	5.89	65	2058	8.79	ppb		0.00
Spiked Amount 25.000			Recovery = 35.168%				
7) Toluene-D8(S)	8.17	98	12779	9.06	ppb		0.00
Spiked Amount 25.000			Recovery = 36.224%				
10) 4-Bromofluorobenzene(S)	11.06	95	5174	9.27	ppb		0.00
Spiked Amount 25.000			Recovery = 37.088%				
Target Compounds							Qvalue
4) Benzene	5.92	78	599	1.28	ppb	#	60
5) Toluene	8.24	91	651	1.29	ppb	#	73
8) m&p-Xylene	10.07	106	570	2.17	ppb		97
9) o-Xylene	10.49	106	338	1.28	ppb	#	45
11) Ethylbenzene	9.93	91	705	1.14	ppb	#	67

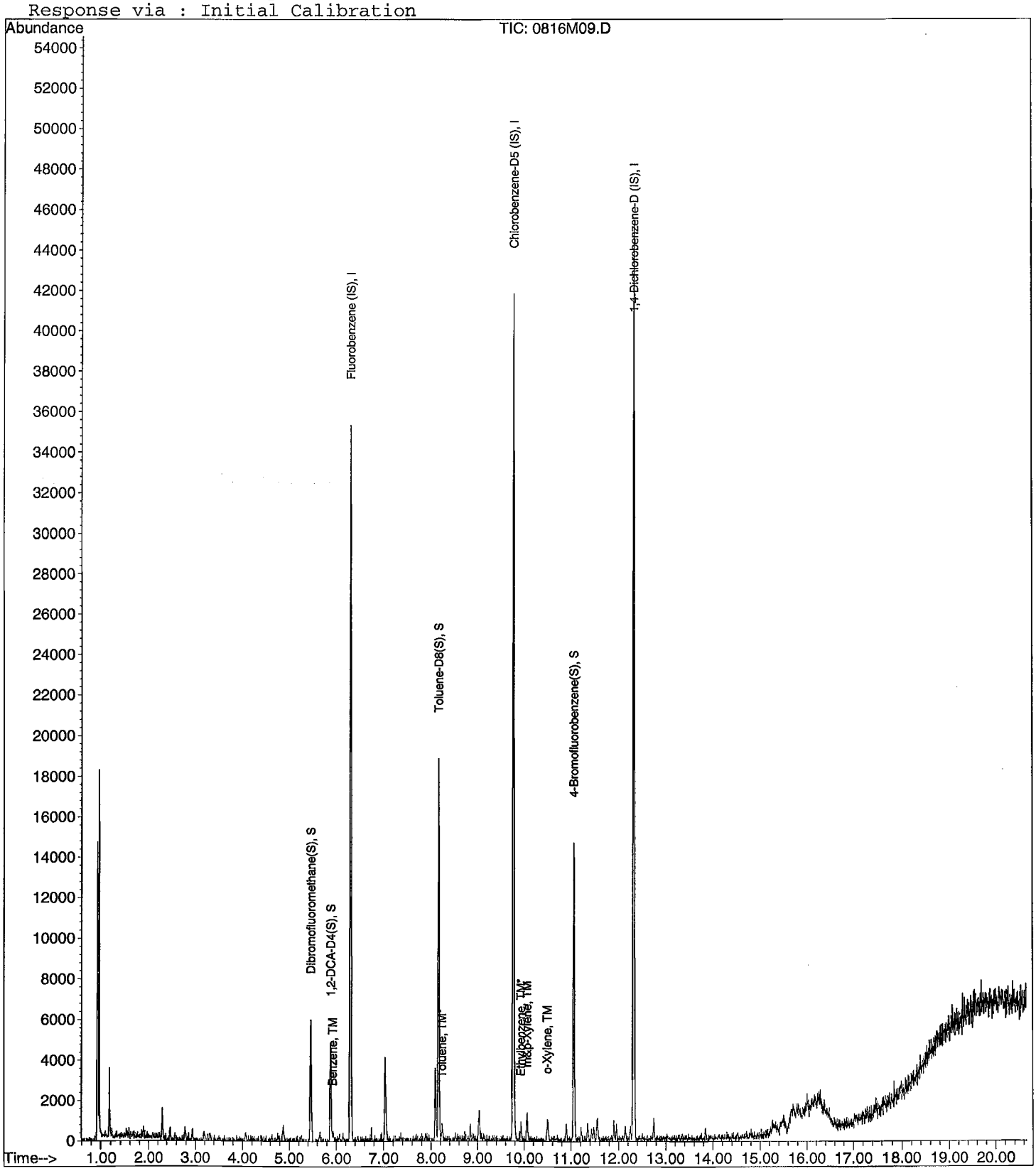
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\MAX\DATA\210816\0816M09.D Vial: 4
Acq On : 16 Aug 21 17:19 Operator: LP,DG,CH
Sample : 1ug/L HCL-VOC STD 8/16/21 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Sep 19 10:21 2021 Quant Results File: M0816NEW.RES

Method : M:\MAX\DATA\210816\M0816NEW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sun Sep 19 10:31:26 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\210816\0816M10.D Vial: 5
Acq On : 16 Aug 21 17:47 Operator: LP,DG,CH
Sample : 2ug/L HCL-VOC STD 8/16/21 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Sep 19 10:21 2021 Quant Results File: M0816NEW.RES

Quant Method : M:\MAX\DATA\210816\M0816NEW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sun Sep 19 10:18:00 2021
Response via : Initial Calibration
DataAcq Meth : 081621_M8260

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene (IS)	6.31	96	32693	25.00	ppb		0.00
6) Chlorobenzene-D5 (IS)	9.77	117	27436	25.00	ppb		0.00
12) 1,4-Dichlorobenzene-D (IS)	12.32	152	16680	25.00	ppb		0.00
System Monitoring Compounds							
2) Dibromofluoromethane(S)	5.46	111	3344	9.02	ppb		0.00
Spiked Amount 25.000			Recovery = 36.076%				
3) 1,2-DCA-D4(S)	5.88	65	2065	8.80	ppb		0.00
Spiked Amount 25.000			Recovery = 35.200%				
7) Toluene-D8(S)	8.17	98	12379	8.85	ppb		0.00
Spiked Amount 25.000			Recovery = 35.420%				
10) 4-Bromofluorobenzene(S)	11.06	95	4851	8.78	ppb		0.00
Spiked Amount 25.000			Recovery = 35.100%				
Target Compounds							Qvalue
4) Benzene	5.93	78	1135	2.42	ppb	#	79
5) Toluene	8.24	91	1375	2.71	ppb		94
8) m&p-Xylene	10.06	106	1301	5.00	ppb		82
9) o-Xylene	10.49	106	643	2.46	ppb		84
11) Ethylbenzene	9.93	91	1538	2.51	ppb		89

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

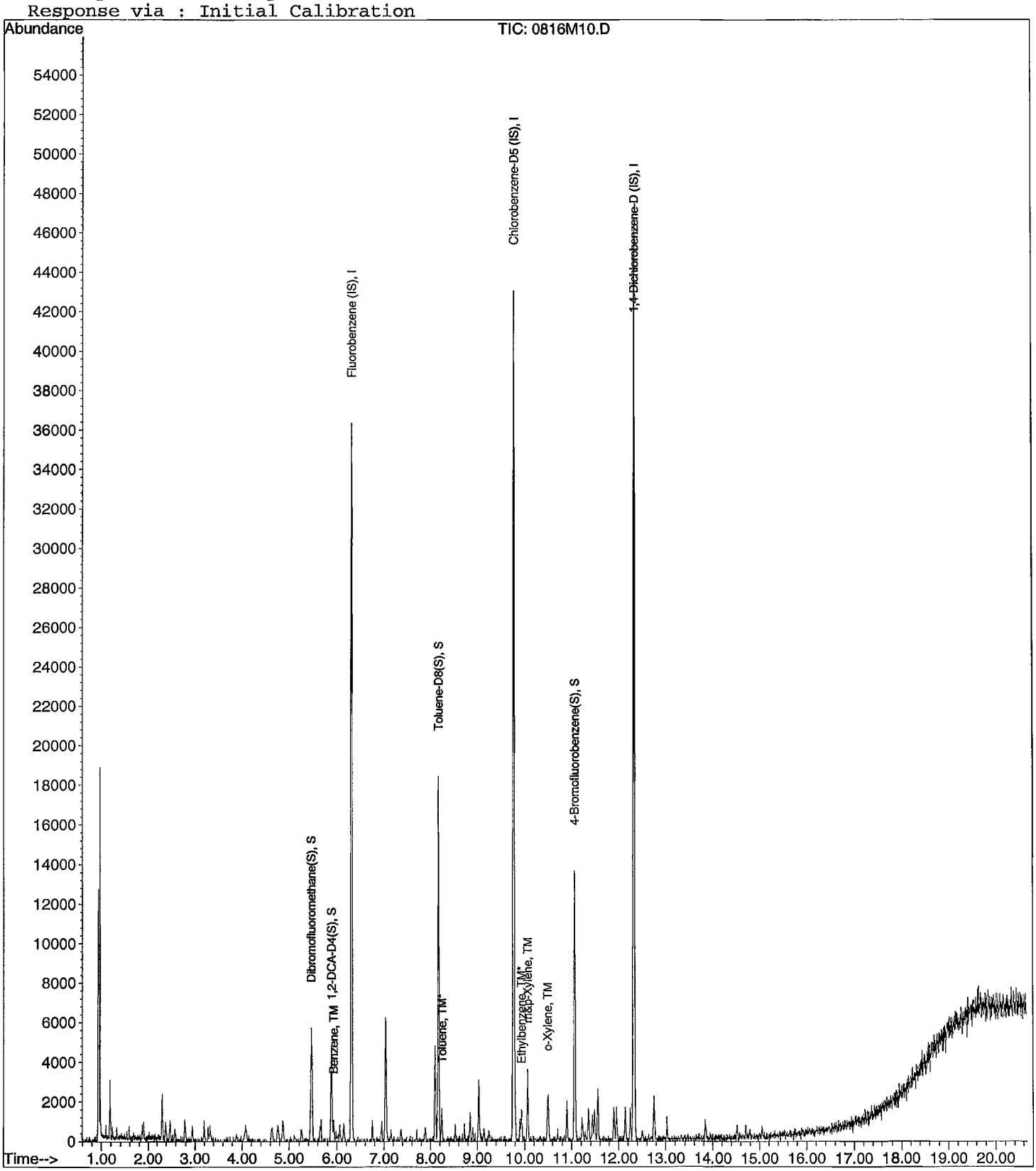
Quantitation Report

Data File : M:\MAX\DATA\210816\0816M10.D
Acq On : 16 Aug 21 17:47
Sample : 2ug/L HCL-VOC STD 8/16/21
Misc : IS&S 6/4/21

Vial: 5
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Sep 19 10:21 2021 Quant Results File: M0816NEW.RES

Method : M:\MAX\DATA\210816\M0816NEW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sun Sep 19 10:31:26 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\210816\0816M11.D Vial: 6
Acq On : 16 Aug 21 18:15 Operator: LP,DG,CH
Sample : 5ug/L HCL-VOC STD 8/16/21 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Sep 19 10:21 2021 Quant Results File: M0816NEW.RES

Quant Method : M:\MAX\DATA\210816\M0816NEW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sun Sep 19 10:18:00 2021
Response via : Initial Calibration
DataAcq Meth : 081621_M8260

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene (IS)	6.30	96	32738	25.00	ppb		0.00
6) Chlorobenzene-D5 (IS)	9.76	117	27247	25.00	ppb		0.00
12) 1,4-Dichlorobenzene-D (IS)	12.32	152	17011	25.00	ppb		0.00
System Monitoring Compounds							
2) Dibromofluoromethane(S)	5.46	111	8951	24.11	ppb		0.00
Spiked Amount 25.000			Recovery = 96.436%				
3) 1,2-DCA-D4(S)	5.89	65	5366	22.84	ppb		0.00
Spiked Amount 25.000			Recovery = 91.348%				
7) Toluene-D8(S)	8.17	98	32442	23.37	ppb		0.00
Spiked Amount 25.000			Recovery = 93.468%				
10) 4-Bromofluorobenzene(S)	11.06	95	12968	23.62	ppb		0.00
Spiked Amount 25.000			Recovery = 94.484%				
Target Compounds							Qvalue
4) Benzene	5.93	78	2663	5.68	ppb	#	92
5) Toluene	8.24	91	2861	5.64	ppb		99
8) m&p-Xylene	10.06	106	2826	10.94	ppb		93
9) o-Xylene	10.49	106	1456	5.62	ppb		94
11) Ethylbenzene	9.93	91	3399	5.59	ppb		98

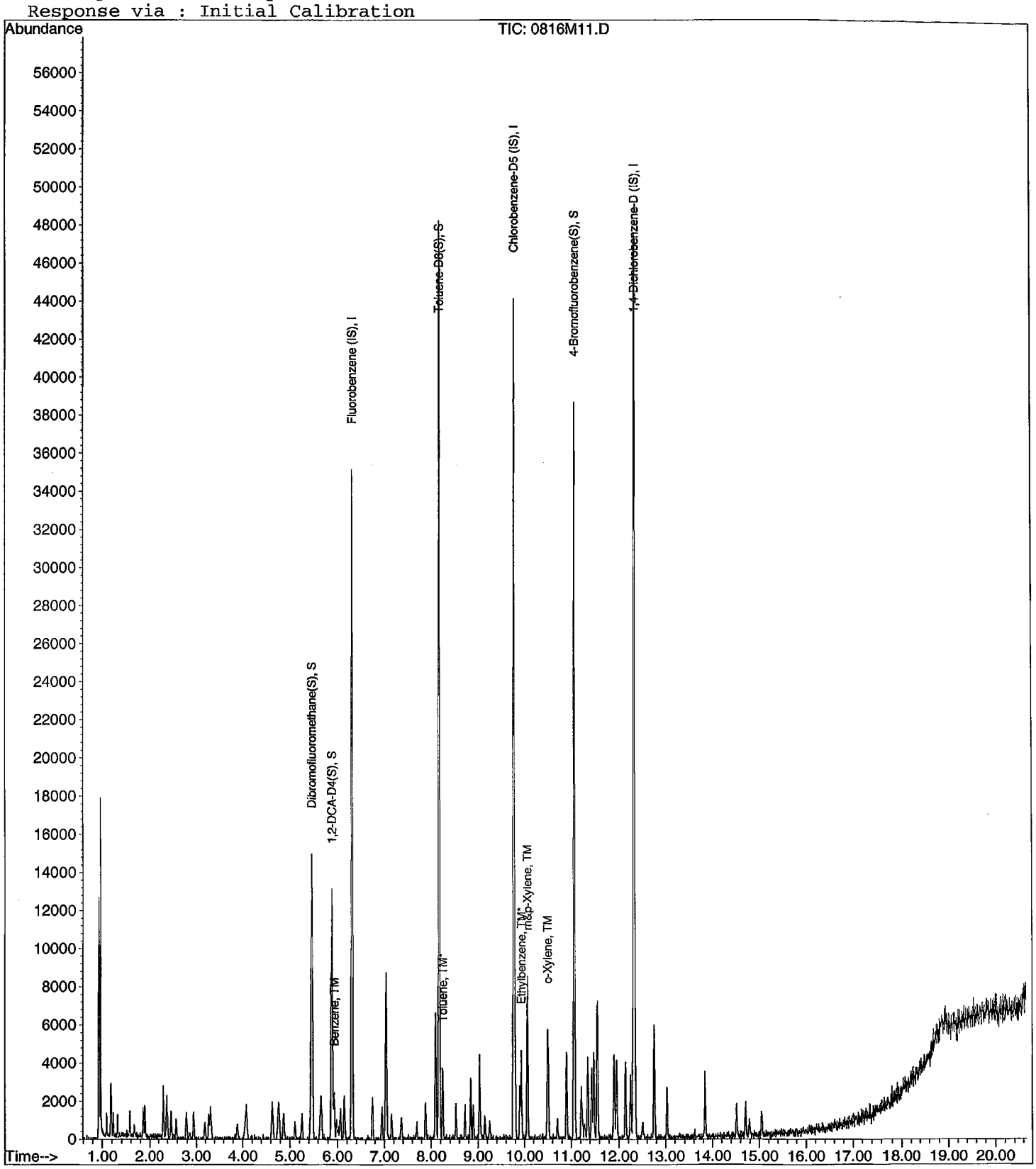
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\MAX\DATA\210816\0816M11.D Vial: 6
Acq On : 16 Aug 21 18:15 Operator: LP,DG,CH
Sample : 5ug/L HCL-VOC STD 8/16/21 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Sep 19 10:21 2021 Quant Results File: M0816NEW.RES

Method : M:\MAX\DATA\210816\M0816NEW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sun Sep 19 10:31:26 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\210816\0816M12.D Vial: 7
Acq On : 16 Aug 21 18:43 Operator: LP,DG,CH
Sample : 10ug/L HCL-VOC STD 8/16/21 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Sep 19 10:21 2021 Quant Results File: M0816NEW.RES

Quant Method : M:\MAX\DATA\210816\M0816NEW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sun Sep 19 10:18:00 2021
Response via : Initial Calibration
DataAcq Meth : 081621_M8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.30	96	33184	25.00	ppb	0.00
6) Chlorobenzene-D5 (IS)	9.76	117	27295	25.00	ppb	0.00
12) 1,4-Dichlorobenzene-D (IS)	12.32	152	16961	25.00	ppb	0.00
System Monitoring Compounds						
2) Dibromofluoromethane(S)	5.46	111	9150	24.31	ppb	0.00
Spiked Amount 25.000			Recovery = 97.256%			
3) 1,2-DCA-D4(S)	5.88	65	5487	23.04	ppb	0.00
Spiked Amount 25.000			Recovery = 92.152%			
7) Toluene-D8(S)	8.17	98	32807	23.59	ppb	0.00
Spiked Amount 25.000			Recovery = 94.352%			
10) 4-Bromofluorobenzene(S)	11.06	95	13035	23.70	ppb	0.00
Spiked Amount 25.000			Recovery = 94.804%			
Target Compounds						Qvalue
4) Benzene	5.92	78	5952	12.52	ppb	100
5) Toluene	8.24	91	6666	12.95	ppb	100
8) m&p-Xylene	10.06	106	6553	25.32	ppb	100
9) o-Xylene	10.49	106	3250	12.52	ppb	100
11) Ethylbenzene	9.93	91	8026	13.18	ppb	100

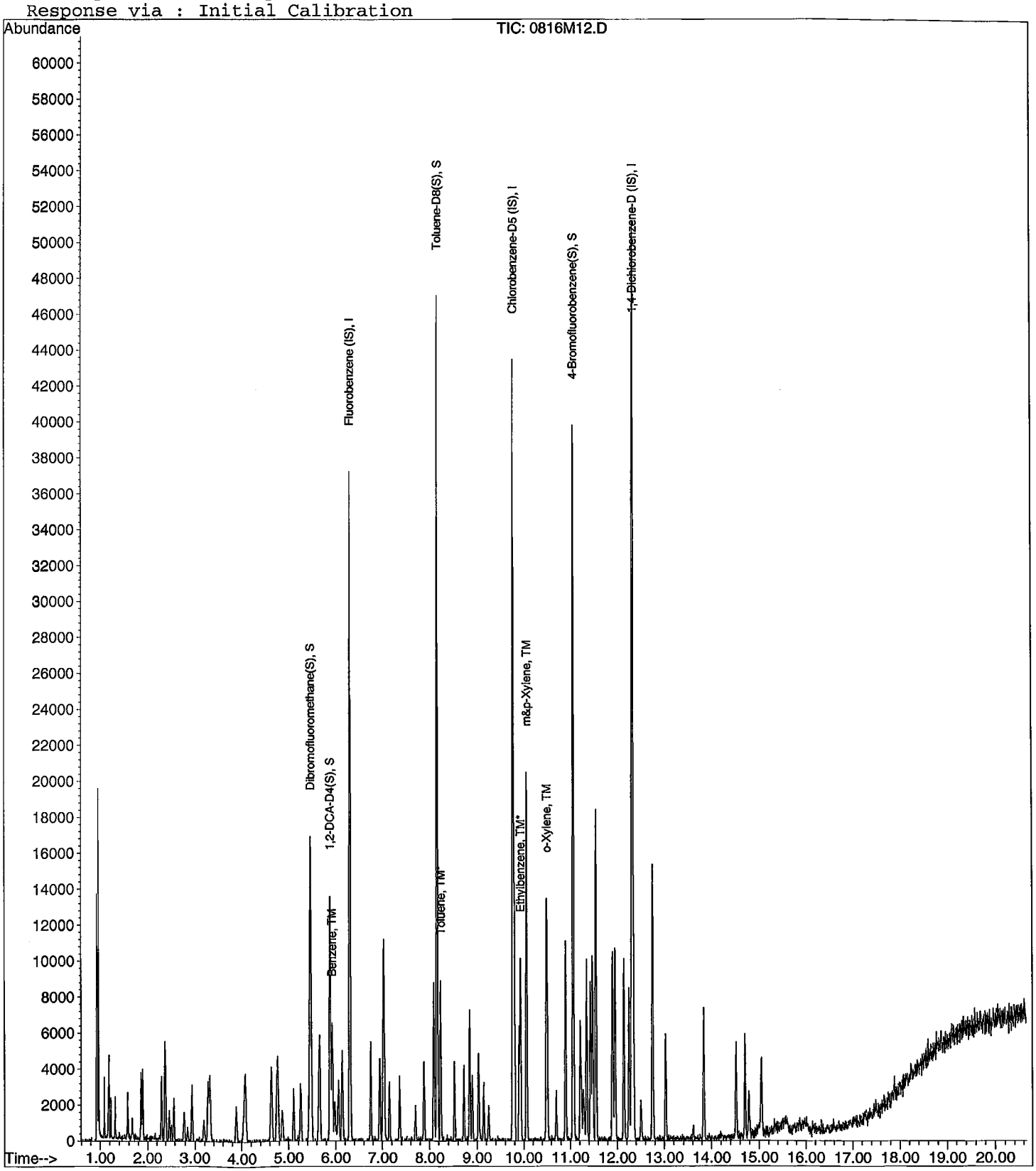
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\MAX\DATA\210816\0816M12.D Vial: 7
Acq On : 16 Aug 21 18:43 Operator: LP,DG,CH
Sample : 10ug/L HCL-VOC STD 8/16/21 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Sep 19 10:21 2021 Quant Results File: M0816NEW.RES

Method : M:\MAX\DATA\210816\M0816NEW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sun Sep 19 10:31:26 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\210816\0816M13.D Vial: 8
Acq On : 16 Aug 21 19:11 Operator: LP,DG,CH
Sample : 20ug/L HCL-VOC STD 8/16/21 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Sep 19 10:22 2021 Quant Results File: M0816NEW.RES

Quant Method : M:\MAX\DATA\210816\M0816NEW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sun Sep 19 10:18:00 2021
Response via : Initial Calibration
DataAcq Meth : 081621_M8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.31	96	33346	25.00	ppb	0.00
6) Chlorobenzene-D5 (IS)	9.76	117	27888	25.00	ppb	0.00
12) 1,4-Dichlorobenzene-D (IS)	12.33	152	17074	25.00	ppb	0.00
System Monitoring Compounds						
2) Dibromofluoromethane(S)	5.47	111	18475	48.85	ppb	0.00
Spiked Amount 25.000			Recovery = 195.420%			
3) 1,2-DCA-D4(S)	5.88	65	10386	43.40	ppb	0.00
Spiked Amount 25.000			Recovery = 173.584%			
7) Toluene-D8(S)	8.17	98	65277	45.94	ppb	0.00
Spiked Amount 25.000			Recovery = 183.744%			
10) 4-Bromofluorobenzene(S)	11.06	95	25771	45.86	ppb	0.00
Spiked Amount 25.000			Recovery = 183.448%			
Target Compounds						Qvalue
4) Benzene	5.93	78	10954	22.94	ppb	97
5) Toluene	8.24	91	12433	24.04	ppb	93
8) m&p-Xylene	10.06	106	12393	46.86	ppb	97
9) o-Xylene	10.49	106	6240	23.53	ppb	87
11) Ethylbenzene	9.93	91	14703	23.64	ppb	99

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

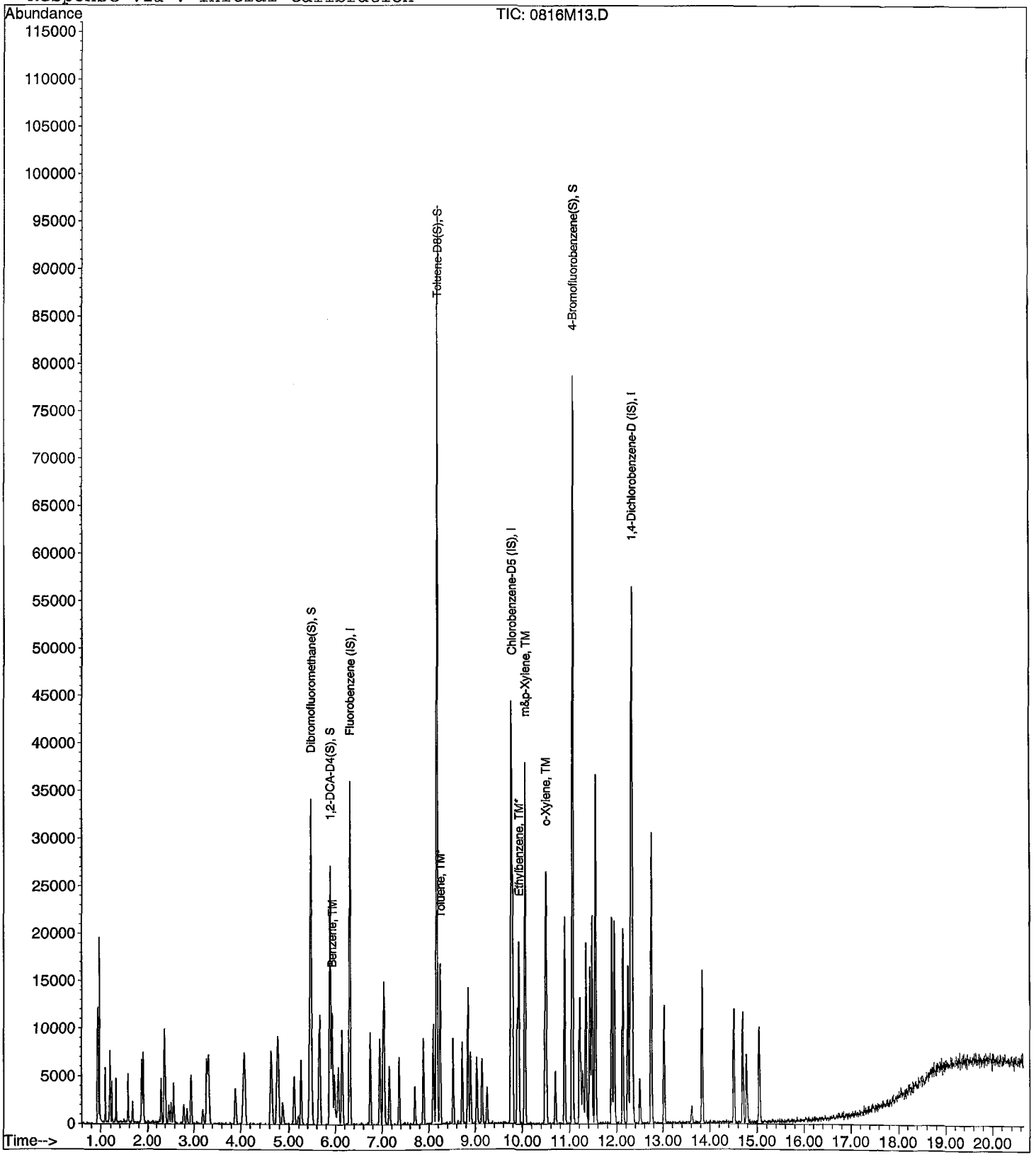
Quantitation Report

Data File : M:\MAX\DATA\210816\0816M13.D
Acq On : 16 Aug 21 19:11
Sample : 20ug/L HCL-VOC STD 8/16/21
Misc : IS&S 6/4/21

Vial: 8
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Sep 19 10:22 2021 Quant Results File: M0816NEW.RES

Method : M:\MAX\DATA\210816\M0816NEW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sun Sep 19 10:31:26 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\210816\0816M14.D Vial: 9
Acq On : 16 Aug 21 19:39 Operator: LP,DG,CH
Sample : 40ug/L HCL-VOC STD 8/16/21 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Sep 19 10:22 2021 Quant Results File: M0816NEW.RES

Quant Method : M:\MAX\DATA\210816\M0816NEW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sun Sep 19 10:18:00 2021
Response via : Initial Calibration
DataAcq Meth : 081621_M8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.30	96	33665	25.00	ppb	0.00
6) Chlorobenzene-D5 (IS)	9.76	117	28160	25.00	ppb	0.00
12) 1,4-Dichlorobenzene-D (IS)	12.32	152	17848	25.00	ppb	0.00
System Monitoring Compounds						
2) Dibromofluoromethane(S)	5.46	111	18612	48.75	ppb	0.00
Spiked Amount 25.000			Recovery = 195.004%			
3) 1,2-DCA-D4(S)	5.88	65	11323	46.86	ppb	0.00
Spiked Amount 25.000			Recovery = 187.448%			
7) Toluene-D8(S)	8.17	98	64993	45.29	ppb	0.00
Spiked Amount 25.000			Recovery = 181.176%			
10) 4-Bromofluorobenzene(S)	11.06	95	25733	45.35	ppb	0.00
Spiked Amount 25.000			Recovery = 181.408%			
Target Compounds						Qvalue
4) Benzene	5.93	78	13810	28.64	ppb	98
5) Toluene	8.24	91	15296	29.30	ppb	89
8) m&p-Xylene	10.06	106	15050	56.36	ppb	93
9) o-Xylene	10.49	106	7731	28.87	ppb	100
11) Ethylbenzene	9.93	91	17998	28.65	ppb	99

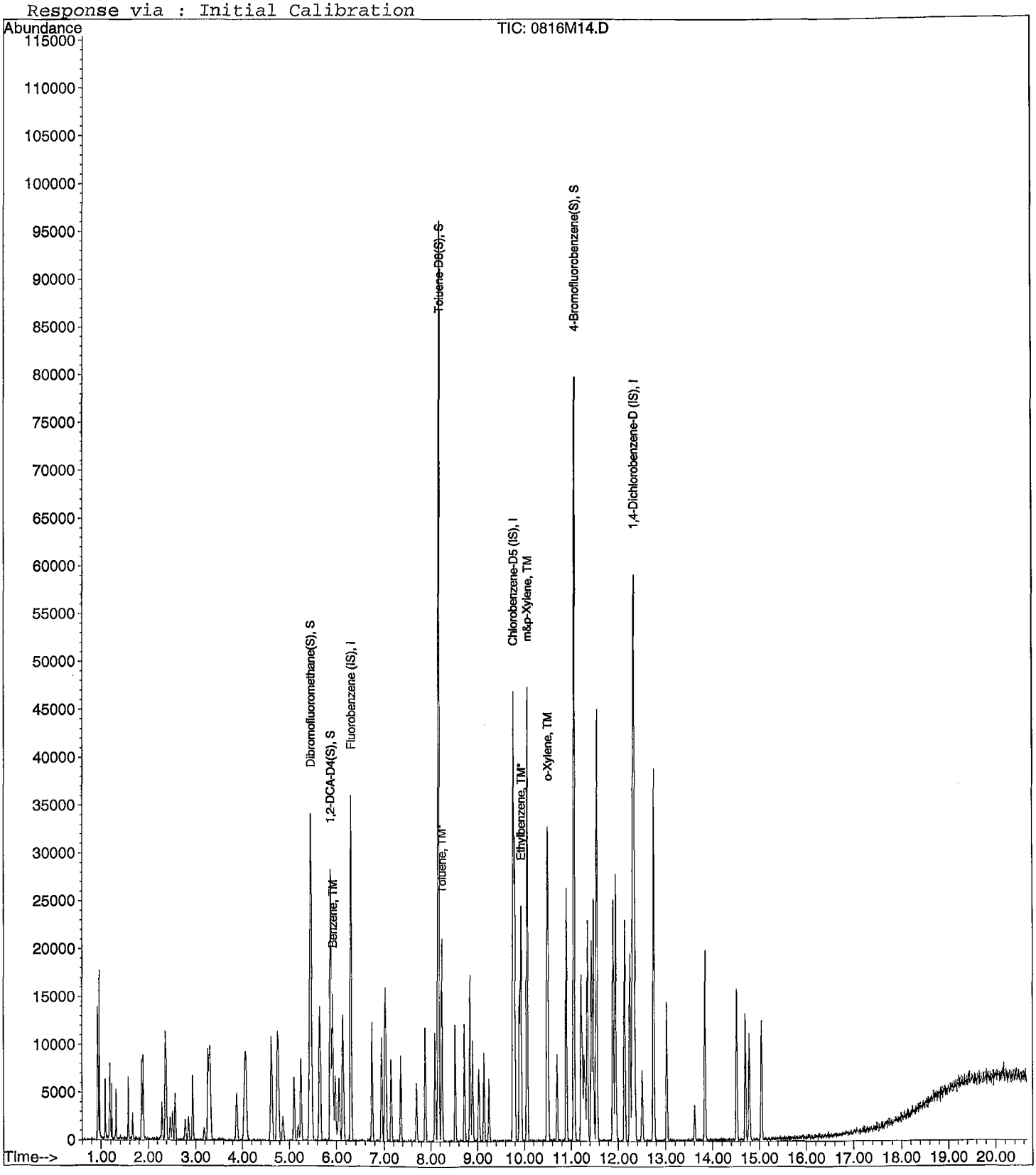
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\MAX\DATA\210816\0816M14.D Vial: 9
Acq On : 16 Aug 21 19:39 Operator: LP,DG,CH
Sample : 40ug/L HCL-VOC STD 8/16/21 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Sep 19 10:22 2021 Quant Results File: M0816NEW.RES

Method : M:\MAX\DATA\210816\M0816NEW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sun Sep 19 10:31:26 2021
Response via : Initial Calibration



VOLATILE ORGANIC ANALYSIS BY
EPA METHOD 8260B

Form 7

Second Source Calibration

Lab Name: APPL, Inc. SDG No:
Case No: Date Analyzed: 8/16/2021
Matrix: Instrument: Max
Initial Cal. Date: 8/16/2021
Data File: 0816M17.D

		Compound	MEAN	CCRF	%D	%Drift	
1	TM	Benzene	0.4206	0.4537	7.9	TM	
2	TM*	Toluene	0.4689	0.5217	11	TM*	
3	TM	m&p-Xylene	0.2903	0.3019	4.0	TM	
4	TM	o-Xylene	0.2885	0.3024	4.8	TM	
5	TM*	Ethylbenzene	0.6862	0.7323	6.7	TM*	
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
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33							
34							
35							
36							
37							
38							
39							
40							
		Average			6.9		

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\210816\0816M17.D Vial: 12
Acq On : 16 Aug 21 21:03 Operator: LP,DG,CH
Sample : (SS) 10ug/L HCL-VOC STD 8/16/25 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Sep 19 10:42 2021 Quant Results File: M0816NEW.RES

Quant Method : M:\MAX\DATA\210816\M0816NEW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sun Sep 19 10:31:26 2021
Response via : Initial Calibration
DataAcq Meth : 081621_M8260

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene (IS)	6.30	96	33292	25.00	ppb		0.00
6) Chlorobenzene-D5 (IS)	9.76	117	27930	25.00	ppb		0.00
12) 1,4-Dichlorobenzene-D (IS)	12.32	152	17323	25.00	ppb		0.00
System Monitoring Compounds							
2) Dibromofluoromethane(S)	5.46	111	9248	23.99	ppb		0.00
Spiked Amount 25.000			Recovery = 95.960%				
3) 1,2-DCA-D4(S)	5.88	65	5602	24.27	ppb		0.00
Spiked Amount 25.000			Recovery = 97.096%				
7) Toluene-D8(S)	8.17	98	32541	22.88	ppb		0.00
Spiked Amount 25.000			Recovery = 91.520%				
10) 4-Bromofluorobenzene(S)	11.06	95	13158	24.07	ppb		0.00
Spiked Amount 25.000			Recovery = 96.264%				
Target Compounds							Qvalue
4) Benzene	5.92	78	6042	10.79	ppb	#	91
5) Toluene	8.24	91	6948	11.13	ppb		93
8) m&p-Xylene	10.06	106	6745	20.80	ppb		97
9) o-Xylene	10.49	106	3378	10.48	ppb		95
11) Ethylbenzene	9.93	91	8181	10.67	ppb		92

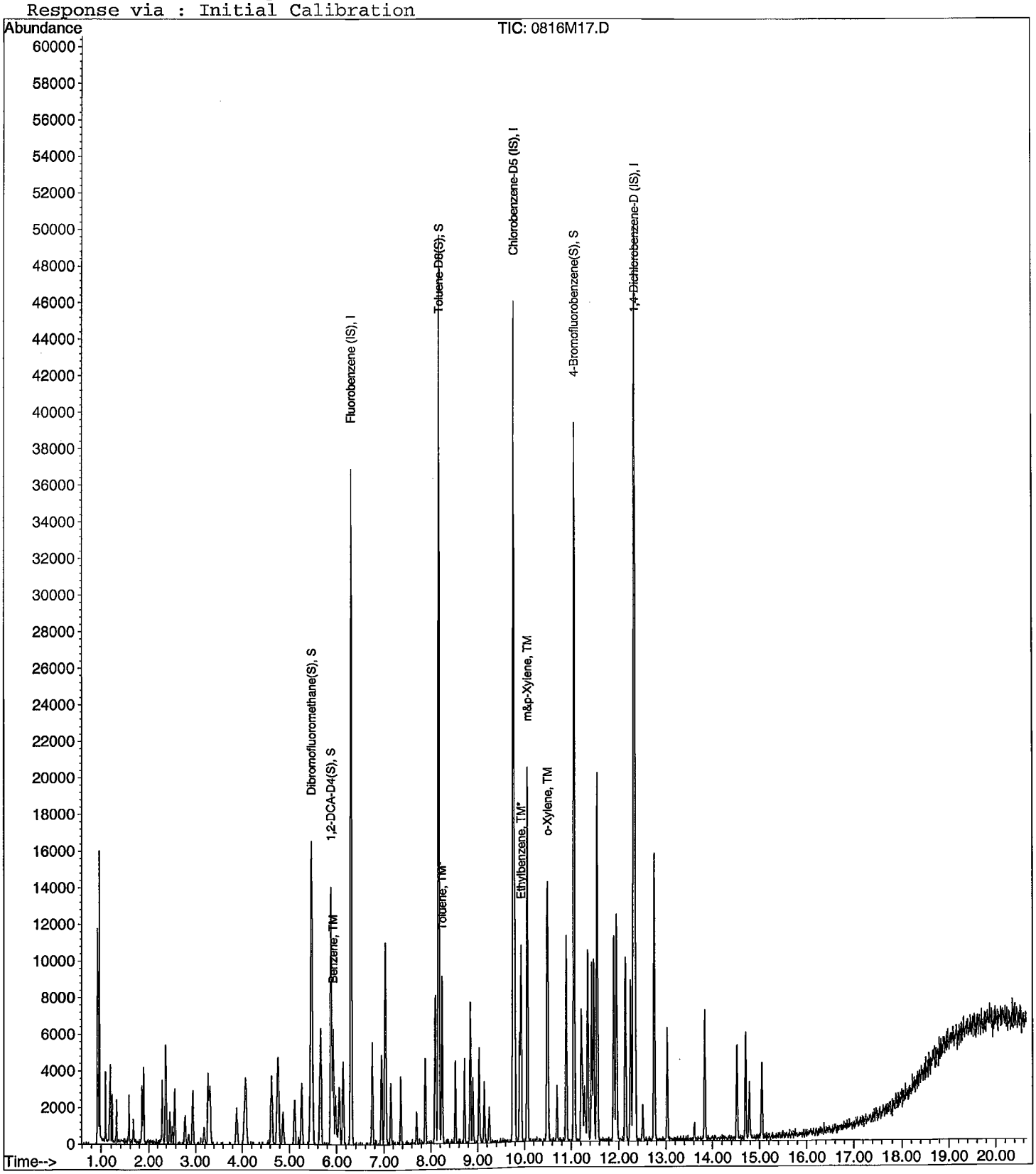
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\MAX\DATA\210816\0816M17.D Vial: 12
Acq On : 16 Aug 21 21:03 Operator: LP,DG,CH
Sample : (SS) 10ug/L HCL-VOC STD 8/16/25 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Sep 19 10:42 2021 Quant Results File: M0816NEW.RES

Method : M:\MAX\DATA\210816\M0816NEW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sun Sep 19 10:31:26 2021
Response via : Initial Calibration



VOLATILE ORGANIC ANALYSIS BY
EPA METHOD 8260B

Form 7

Continuing Calibration

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

SDG No:
Date Analyzed: 8/18/2021
Instrument: Max
Initial Cal. Date: 8/16/2021
Data File: 0818M02.D

		Compound	MEAN	CCRF	%D		%Drift
1	I	Fluorobenzene (IS)	ISTD			I	
2	S	Dibromofluoromethane(S)	0.2895	0.2874	0.72	S	
3	S	1,2-DCA-D4(S)	0.1733	0.1726	0.43	S	
4	TM	Benzene	0.4206	0.4024	4.3	TM	
5	TM*	Toluene	0.4689	0.4706	0.38	TM*	
6	I	Chlorobenzene-D5 (IS)	ISTD			I	
7	S	Toluene-D8(S)	1.273	1.175	7.7	S	
8	TM	m&p-Xylene	0.2903	0.2872	1.1	TM	
9	TM	o-Xylene	0.2885	0.2914	1.00	TM	
10	S	4-Bromofluorobenzene(S)	0.4894	0.4603	5.9	S	
11	TM*	Ethylbenzene	0.6862	0.6869	0.10	TM*	
12	I	1,4-Dichlorobenzene-D (IS)	ISTD			I	
13							
14							
15							
16							
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39							
40							
		Average			2.4		

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\210818\0818M02.D Vial: 2
Acq On : 18 Aug 21 13:46 Operator: LP,DG,CH
Sample : 210818A CCV 10ug/L Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Sep 19 10:49 2021 Quant Results File: M0816NEW.RES

Quant Method : M:\MAX\DATA\210816\M0816NEW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sun Sep 19 10:31:26 2021
Response via : Initial Calibration
DataAcq Meth : 081621_M8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.31	96	28935	25.00	ppb	0.00
6) Chlorobenzene-D5 (IS)	9.77	117	24450	25.00	ppb	0.00
12) 1,4-Dichlorobenzene-D (IS)	12.33	152	15912	25.00	ppb	0.00
System Monitoring Compounds						
2) Dibromofluoromethane(S)	5.46	111	8316	24.82	ppb	0.00
Spiked Amount 25.000			Recovery = 99.280%			
3) 1,2-DCA-D4(S)	5.89	65	4993	24.89	ppb	0.00
Spiked Amount 25.000			Recovery = 99.572%			
7) Toluene-D8(S)	8.17	98	28726	23.07	ppb	0.00
Spiked Amount 25.000			Recovery = 92.292%			
10) 4-Bromofluorobenzene(S)	11.06	95	11255	23.51	ppb	0.00
Spiked Amount 25.000			Recovery = 94.060%			
Target Compounds						Qvalue
4) Benzene	5.93	78	4657	9.57	ppb	92
5) Toluene	8.24	91	5447	10.04	ppb	83
8) m&p-Xylene	10.06	106	5618	19.79	ppb	98
9) o-Xylene	10.49	106	2850	10.10	ppb	93
11) Ethylbenzene	9.93	91	6718	10.01	ppb	99

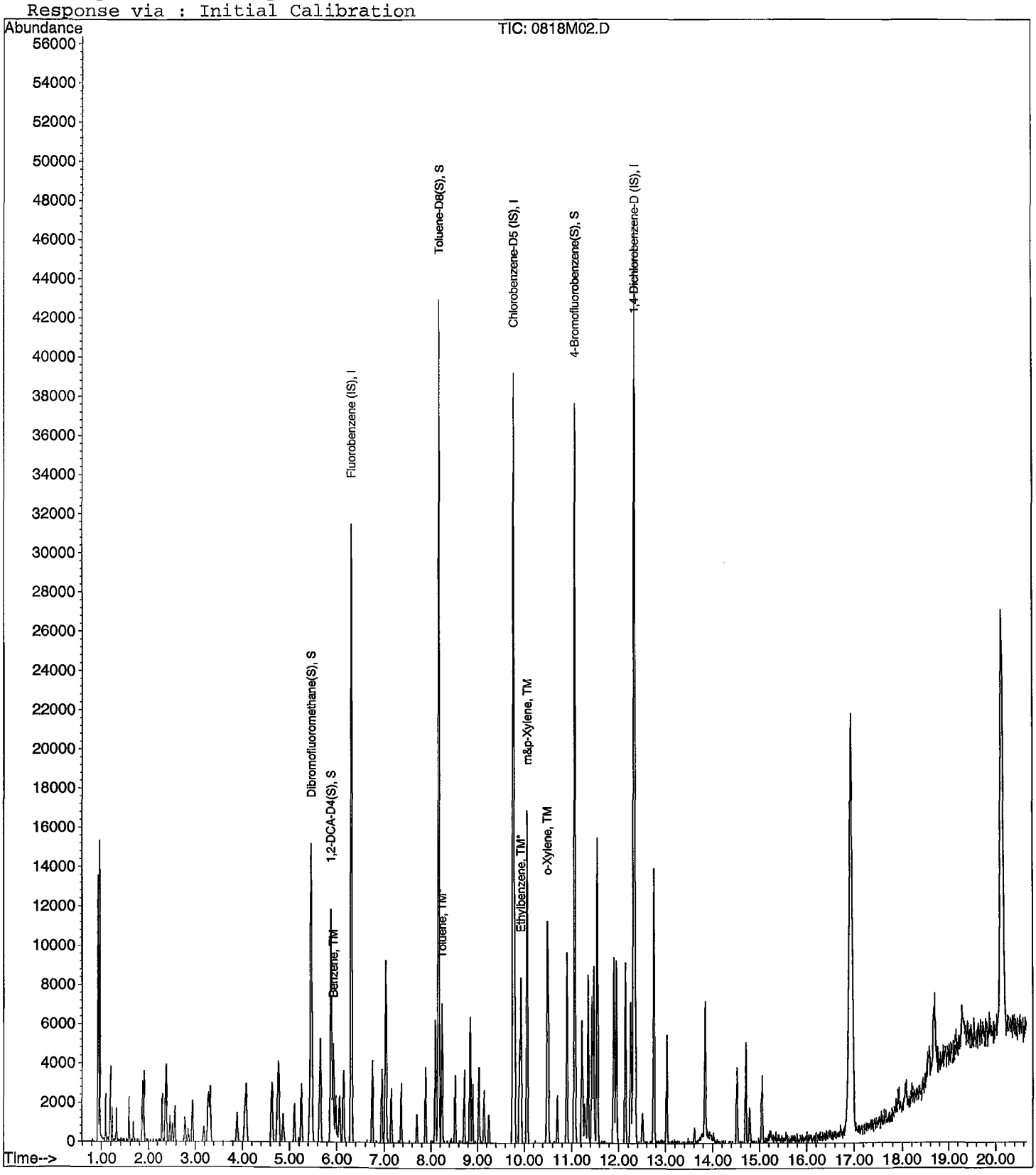
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\MAX\DATA\210818\0818M02.D Vial: 2
Acq On : 18 Aug 21 13:46 Operator: LP,DG,CH
Sample : 210818A CCV 10ug/L Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Sep 19 10:49 2021 Quant Results File: M0816NEW.RES

Method : M:\MAX\DATA\210816\M0816NEW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sun Sep 19 10:31:26 2021
Response via : Initial Calibration



VOLATILE ORGANIC ANALYSIS BY
EPA METHOD 8260B

Form 7

Ending Continuing Calibration

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

SDG No:
Date Analyzed: 8/19/2021
Instrument: Max
Initial Cal. Date: 8/16/2021
Data File: 0818M27.D

		Compound	MEAN	CCRF	%D		%Drift
1	I	Fluorobenzene (IS)	ISTD			I	
2	S	Dibromofluoromethane(S)	0.2895	0.2777	4.1	S	
3	S	1,2-DCA-D4(S)	0.1733	0.1821	5.1	S	
4	TM	Benzene	0.4206	0.3777	10	TM	
5	TM*	Toluene	0.4689	0.4643	0.98	TM*	
6	I	Chlorobenzene-D5 (IS)	ISTD			I	
7	S	Toluene-D8(S)	1.273	1.163	8.6	S	
8	TM	m&p-Xylene	0.2903	0.2720	6.3	TM	
9	TM	o-Xylene	0.2885	0.2772	3.9	TM	
10	S	4-Bromofluorobenzene(S)	0.4894	0.4744	3.1	S	
11	TM*	Ethylbenzene	0.6862	0.6148	10	TM*	
12	I	1,4-Dichlorobenzene-D (IS)	ISTD			I	
13							
14							
15							
16							
17							
18							
19							
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38							
39							
40							
		Average			5.8		

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\210818\0818M27.D Vial: 27
Acq On : 19 Aug 21 1:24 Operator: LP,DG,CH
Sample : Ending CCV 10ug/L 8/18/21 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Sep 19 10:58 2021 Quant Results File: M0816NEW.RES

Quant Method : M:\MAX\DATA\210816\M0816NEW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sun Sep 19 10:31:26 2021
Response via : Initial Calibration
DataAcq Meth : 081621_M8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.30	96	28001	25.00	ppb	0.00
6) Chlorobenzene-D5 (IS)	9.76	117	24030	25.00	ppb	0.00
12) 1,4-Dichlorobenzene-D (IS)	12.32	152	16036	25.00	ppb	0.00
System Monitoring Compounds						
2) Dibromofluoromethane(S)	5.46	111	7777	23.99	ppb	0.00
Spiked Amount 25.000			Recovery =	95.944%		
3) 1,2-DCA-D4(S)	5.88	65	5098	26.26	ppb	0.00
Spiked Amount 25.000			Recovery =	105.056%		
7) Toluene-D8(S)	8.16	98	27953	22.84	ppb	0.00
Spiked Amount 25.000			Recovery =	91.376%		
10) 4-Bromofluorobenzene(S)	11.06	95	11401	24.24	ppb	0.00
Spiked Amount 25.000			Recovery =	96.944%		
Target Compounds						Qvalue
4) Benzene	5.92	78	4230	8.98	ppb	95
5) Toluene	8.24	91	5200	9.90	ppb	99
8) m&p-Xylene	10.06	106	5229	18.74	ppb	83
9) o-Xylene	10.49	106	2664	9.61	ppb	98
11) Ethylbenzene	9.92	91	5909	8.96	ppb	98

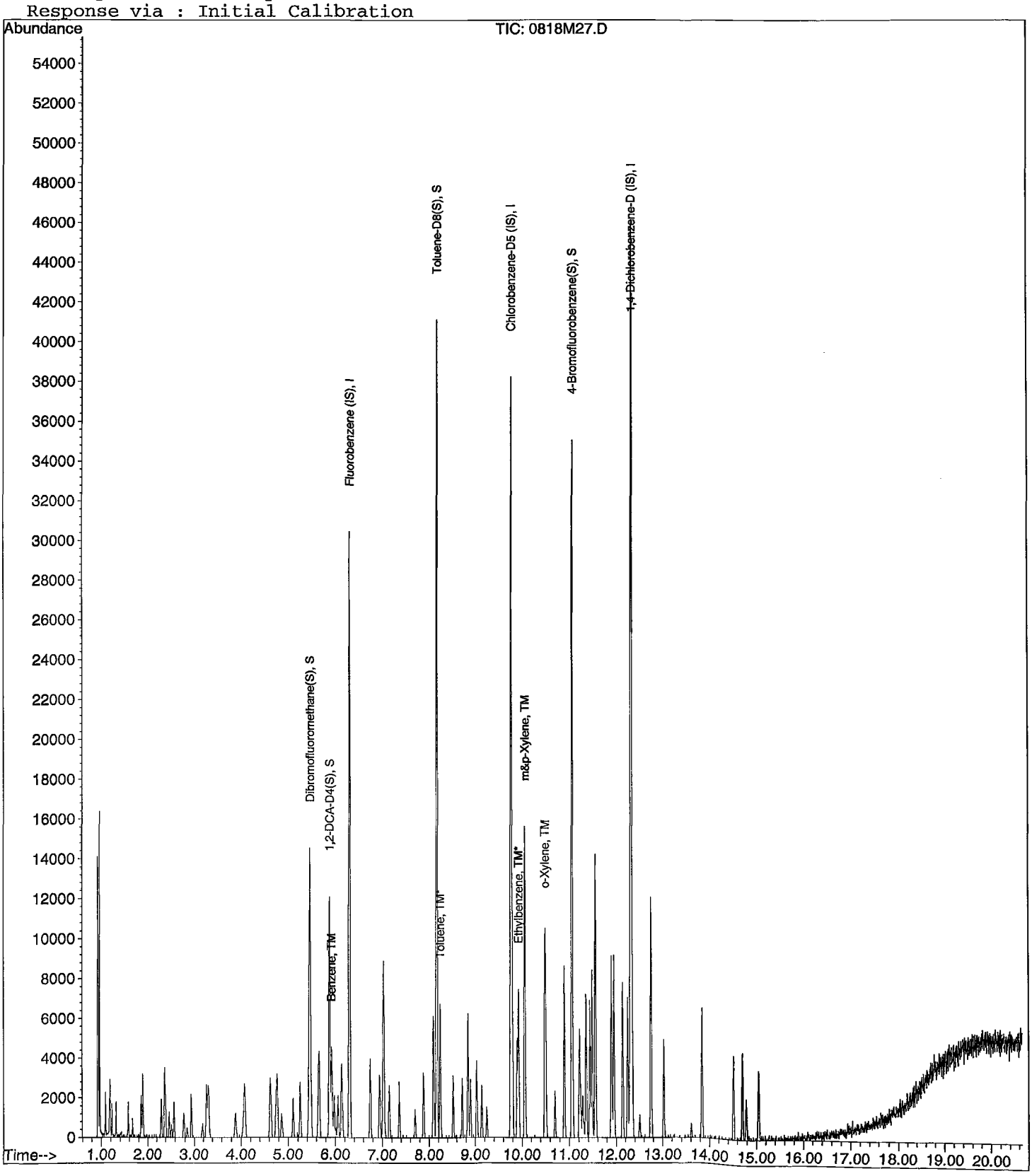
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\MAX\DATA\210818\0818M27.D Vial: 27
Acq On : 19 Aug 21 1:24 Operator: LP,DG,CH
Sample : Ending CCV 10ug/L 8/18/21 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Sep 19 10:58 2021 Quant Results File: M0816NEW.RES

Method : M:\MAX\DATA\210816\M0816NEW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sun Sep 19 10:31:26 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: 8/19/2021
Matrix: Instrument: Max Initials:

		Compound	1	2	3	4	5	6	7	8	9		Avg	%RSD	Type	r^2	Q	MRF
			0819M12.D	0819M13.D	0819M14.D	0819M15.D	0819M16.D	0819M17.D	0819M18.D	0819M19.D	0819M20.D							
1	I	Fluorobenzene (IS)																
2	TM	Chlorotrifluoroethene													TM			
3	TM	Dichlorodifluoromethane			0.1671	0.1414	0.1497	0.1334	0.1332	0.1360	0.1366		0.14	8.6	TM			
4	TM	Freon 114		0.0898	0.0901	0.0826	0.0857	0.0744	0.0839	0.0887	0.0851		0.09	6.0	TM			
5	TM**	Chloromethane			0.1123	0.0917	0.0887	0.0828	0.0895	0.0821	0.0886		0.09	11	TM**			
6	TM*	Vinyl chloride		0.1156	0.0933	0.1153	0.1026	0.0975	0.0996	0.0958	0.0961		0.10	8.6	TM*			
7	TM	2-Chloro-1,1,1-trifluoroethane													TM			
8	TM	Bromomethane			0.0762	0.0688	0.0636	0.0540	0.0648	0.0637	0.0654		0.07	10	TM			
9	TML	Chloroethane			0.0924	0.0525	0.0482	0.0493	0.0444	0.0447	0.0435		0.05	33	TM	1.000		
10	TM	Dichlorofluoromethane			0.1918	0.2148	0.2007	0.1763	0.1818	0.1817	0.1802		0.19	7.3	TM			
11	TM	Trichlorofluoromethane			0.1760	0.2471	0.2369	0.2234	0.2325	0.2139	0.2158		0.22	10	TM			
12	TM	2,2-Dichloro-1,1,1-trifluoroethane													TM			
13	TM	Acrolein		0.0137	0.0109	0.0123	0.0119	0.0127	0.0119	0.0126	0.0113		0.01	7.2	TM			
14	TML	Acetone	0.0531	0.0384	0.0338	0.0281	0.0304	0.0281	0.0280	0.0254	0.0255		0.03	27	TM	0.996		
15	TM	Freon-113			0.1192	0.1102	0.1174	0.0908	0.1035	0.1097	0.1064		0.11	8.8	TM			
16	TM	Acetonitrile	0.0083	0.0093	0.0091	0.0084	0.0087	0.0087	0.0089	0.0085	0.0083		0.01	3.8	TM			
17	TM	2-propanol													TM			
18	TM	1,2-Dichlorotrifluoroethane		0.1166	0.1223	0.1322	0.1007	0.0939	0.1071	0.1055	0.0979		0.11	12	TM			
19	TM*	1,1-DCE	0.1883	0.1465	0.1868	0.1565	0.1477	0.1385	0.1458	0.1432	0.1415		0.15	12	TM*			
20	TM	t-Butanol		0.0094	0.0094	0.0091	0.0087	0.0096	0.0098	0.0091	0.0091		0.01	3.8	TM			
21	TML	Methyl Acetate		0.1071	0.0886	0.0794	0.0606	0.0587	0.0503	0.0528	0.0526		0.07	30	TM	1.000		
22	TM	Iodomethane			0.0678	0.0846	0.0762	0.0786	0.0915				0.08	11	TM			
23	TML	Acrylonitrile		0.0222	0.0256	0.0426	0.0303	0.0309	0.0355	0.0302	0.0307		0.03	20	TM	0.999		
24	TM	2-Methylpentane													TM			
25	TML	Methylene chloride	1.322	0.5465	0.3345	0.1957	0.1474	0.1049	0.1010	0.0985	0.0949		0.33	123	TM	1.000		
26	TML	Carbon disulfide	0.2124	0.1852	0.2133	0.1414	0.1618	0.1212	0.1474	0.1440	0.1398		0.16	20	TM	1.000		
27	TM	Methyl t-butyl ether (MtBE)	0.4960	0.3985	0.3408	0.3721	0.3737	0.3528	0.3517	0.3332	0.3262		0.37	14	TM			
28	TM	Trans-1,2-DCE		0.1176	0.1432	0.1234	0.1250	0.1065	0.1032	0.1075	0.1072		0.12	12	TM			
29	TM	3-Methylpentane													TM			
30	TML	Hexane		0.1001	0.0865	0.0679	0.0554	0.0582	0.0533	0.0573			0.07	26	TM	0.998		
31	TM	Diisopropyl Ether			0.2920	0.2560	0.2822	0.2569	0.2602	0.2620	0.2580		0.27	5.4	TM			
32	TM**	1,1-DCA		0.1966	0.1958	0.1889	0.2009	0.1761	0.1764	0.1777	0.1740		0.19	5.9	TM**			
33	TML	Vinyl Acetate													TM		*	
34	TM	Ethyl tert Butyl Ether		0.3192	0.2791	0.3329	0.3317	0.2968	0.3353	0.3093	0.3095		0.31	6.3	TM			
35	TML	Methylcyclopentane													TM		*	

VOLATILE ORGANIC ANALYSIS BY
EPA METHOD 8260B

Form 6
Initial Calibration

Lab Name: APPL, Inc. SDG No:
Case No: Initial Cal. Date: 8/19/2021
Matrix: Instrument: Max Initials:

		Compound	1	2	3	4	5	6	7	8	9		Avg	%RSD	Type		Q	MRF
36	TM	MEK (2-Butanone)	0.0408	0.0350	0.0314	0.0327	0.0321	0.0382	0.0324	0.0329	0.0309		0.03	9.9	TM			
37	TM	Cis-1,2-DCE		0.1148	0.1331	0.1358	0.1362	0.1238	0.1249	0.1221	0.1223		0.13	6.0	TM			
38	TM	2,2-Dichloropropane		0.2619	0.2081	0.2300	0.2268	0.1952	0.2107	0.1988	0.1950		0.22	11	TM			
39	TM*	Chloroform	0.3096	0.2239	0.2694	0.2317	0.2350	0.2095	0.2167	0.2155	0.2189		0.24	14	TM*			
40	TM	Bromochloromethane	0.1146	0.1107	0.0876	0.0973	0.0991	0.0874	0.0958	0.0962	0.0906		0.10	9.7	TM			
41	S	Dibromofluoromethane(S)	0.3202	0.3360	0.2770	0.2642	0.2872	0.2846	0.2902	0.2771	0.2613		0.29	8.6	S			
42	TM	1,1,1-TCA		0.2568	0.2156	0.2564	0.2460	0.2091	0.2329	0.2300	0.2223		0.23	7.7	TM			
43	TM	Cyclohexane			0.0815	0.0703	0.0808	0.0650	0.0739	0.0704	0.0706		0.07	8.2	TM			
44	TM	1,1-Dichloropropene			0.1638	0.1332	0.1484	0.1259	0.1359	0.1358	0.1331		0.14	9.1	TM			
45	TM	2,2,4-Trimethylpentane		0.2560	0.2472	0.2310	0.2192	0.1982	0.2246	0.2263	0.2237		0.23	7.7	TM			
46	S	1,2-DCA-D4(S)	0.2192	0.2068	0.1649	0.1755	0.1810	0.1751	0.1797	0.1668	0.1627		0.18	11	S			
47	TM	Carbon Tetrachloride		0.2047	0.2197	0.2106	0.2046	0.1864	0.2008	0.2106	0.2012		0.20	4.7	TM			
48	TM	Tert Amyl Methyl Ether		0.3769	0.4082	0.3077	0.3380	0.2999	0.3200	0.3010	0.2923		0.33	13	TM			
49	TM	1,2-DCA	0.1587	0.1336	0.1792	0.1833	0.1979	0.1688	0.1890	0.1816	0.1794		0.17	11	TM			
50	TM	Benzene		0.4856	0.4189	0.4494	0.4448	0.3856	0.4017	0.4017	0.3933		0.42	8.1	TM			
51	TM	TCE			0.1285	0.1127	0.1197	0.1050	0.1190	0.1176	0.1155		0.12	6.1	TM			
52	TM	2-Pentanone	0.0552	0.0575	0.0560	0.0530	0.0547	0.0561	0.0542	0.0520	0.0492		0.05	4.6	TM			
53	TM*	1,2-Dichloropropane			0.0490	0.0490	0.0510	0.0489	0.0531	0.0508	0.0498		0.05	3.0	TM*			
54	TM	Bromodichloromethane			0.1549	0.1784	0.1667	0.1626	0.1746	0.1721	0.1673		0.17	4.7	TM			
55	TM	Methyl Cyclohexane	0.1451	0.1596	0.1811	0.1651	0.1645	0.1275	0.1521	0.1547	0.1540		0.16	9.5	TM			
56	TM	Dibromomethane		0.0588	0.0698	0.0642	0.0676	0.0660	0.0727	0.0698	0.0666		0.07	6.3	TM			
57	TM	MIBK (methyl isobutyl ketone)	0.0790	0.0794	0.0731	0.0722	0.0717	0.0714	0.0705	0.0662	0.0627		0.07	7.4	TM			
58	TM	1-Bromo-2-chloroethane			0.0310	0.0209	0.0272	0.0254	0.0253	0.0242	0.0231		0.03	13	TM			
59	TM	2-Chloroethyl vinyl ether													TM			
60	TM	Cis-1,3-Dichloropropene		0.1141	0.1067	0.0986	0.1093	0.0957	0.0987	0.0988	0.0954		0.10	6.8	TM			
61	TM*	Toluene		0.5202	0.4824	0.4719	0.4636	0.4217	0.4481	0.4481	0.4477		0.46	6.4	TM*			
62	TM	Trans-1,3-Dichloropropene			0.1458	0.1896	0.1990	0.1675	0.1701	0.1691	0.1700		0.17	9.9	TM			
63	TM	1,1,2-TCA			0.0881	0.0836	0.0802	0.0690	0.0755	0.0730	0.0681		0.08	9.8	TM			
64	TML	2-Hexanone	0.0599	0.0519	0.0479	0.0441	0.0457	0.0480	0.0469	0.0454	0.0461		0.05	10.0	TM	0.999		
65	I	Chlorobenzene-D5 (IS)																
66	S	Toluene-D8(S)	1.356	1.272	1.110	1.158	1.177	1.174	1.153	1.128	1.057		1.2	7.6	S			
67	TM	1,2-EDB			0.1164	0.1172	0.1255	0.1237	0.1252	0.1208	0.1215		0.12	3.0	TM			
68	TML	Tetrachloroethene		0.1884	0.1691	0.1135	0.1335	0.1085	0.1068	0.1115	0.1081		0.13	24	TM	1.000		
69	TM	1-Chlorohexane			0.1748	0.1399	0.1590	0.1330	0.1448	0.1533	0.1549		0.15	9.1	TM			
70	TM	1,1,1,2-Tetrachloroethane		0.2059	0.1950	0.1825	0.1884	0.1695	0.1782	0.1749	0.1742		0.18	6.6	TM			

VOLATILE ORGANIC ANALYSIS BY
EPA METHOD 8260B

Form 6
Initial Calibration

Lab Name: APPL, Inc. SDG No:
Case No: Initial Cal. Date: 8/19/2021
Matrix: Instrument: Max Initials:

		Compound	1	2	3	4	5	6	7	8	9		Avg	%RSD	Type		Q	MRF
71	TM	m&p-Xylene		0.3010	0.2905	0.2642	0.2981	0.2601	0.2714	0.2663	0.2646		0.28	6.0	TM			
72	TM	o-Xylene		0.3101	0.3303	0.2769	0.3219	0.2624	0.2813	0.2749	0.2651		0.29	9.1	TM			
73	TM	Styrene		0.4573	0.4927	0.4194	0.4538	0.4150	0.4260	0.4341	0.4327		0.44	5.8	TM			
74	S	4-Bromofluorobenzene(S)	0.5315	0.5293	0.4247	0.4265	0.4749	0.4612	0.4556	0.4440	0.4088		0.46	9.5	S			
75	TM	1,3-Dichloropropane		0.2248	0.2027	0.1896	0.2007	0.1917	0.1915	0.1883	0.1839		0.20	6.6	TM			
76	TM	Dibromochloromethane		0.1947	0.1585	0.1871	0.1937	0.1669	0.1755	0.1799	0.1718		0.18	7.2	TM			
77	TM**	Chlorobenzene		0.3742	0.4616	0.4158	0.4224	0.3975	0.4185	0.4129	0.4058		0.41	6.0	TM**			
78	TM*	Ethylbenzene		0.7172	0.6743	0.6191	0.7196	0.5918	0.6287	0.6371	0.6231		0.65	7.3	TM*			
79	TM**	Bromoform		0.1391	0.1654	0.1389	0.1377	0.1418	0.1421	0.1369	0.1341		0.14	6.9	TM**			
80	I	1,4-Dichlorobenzene-D (IS)																
81	TM	Isopropylbenzene		1.203	1.141	1.168	1.189	1.109	1.119	1.133	1.069		1.1	3.9	TM			
82	TM**	1,1,2,2-Tetrachloroethane			0.2420	0.2094	0.2146	0.1848	0.1902	0.1963	0.1932		0.20	9.6	TM**			
83	TM	1,2,3-Trichloropropane			0.1076	0.0860	0.0924	0.0865	0.0890	0.0871	0.0792		0.09	9.9	TM			
84	TM	t-1,4-Dichloro-2-Butene			0.0369	0.0459	0.0417	0.0469	0.0545	0.0504	0.0505		0.05	13	TM			
85	TM	Bromobenzene		0.3981	0.3734	0.3779	0.3817	0.3616	0.3543	0.3541	0.3394		0.37	5.1	TM			
86	TM	n-Propylbenzene		1.254	1.269	1.204	1.160	1.041	1.165	1.162	1.127		1.2	6.2	TM			
87	TM	4-Ethyltoluene		1.150	1.159	1.180	1.142	1.029	1.093	1.090	1.074		1.1	4.6	TM			
88	TM	2-Chlorotoluene			0.7406	0.9314	0.8928	0.8130	0.7674	0.8559	0.7038		0.81	10	TM			
89	TM	1,3,5-Trimethylbenzene		1.053	0.9766	1.009	1.045	0.9136	0.9794	0.9669	0.9339		0.98	5.0	TM			
90	TM	4-Chlorotoluene		1.022	0.9497	0.8721	0.9397	0.8273	0.8830	0.8432	0.8125		0.89	8.0	TM			
91	TM	Tert-Butylbenzene		0.5991	0.5606	0.6017	0.6010	0.5517	0.5981	0.5806	0.5711		0.58	3.4	TM			
92	TM	1,2,4-Trimethylbenzene		1.131	0.9599	1.013	1.044	0.9314	0.9861	0.9801	0.9572		1.0	6.3	TM			
93	TM	Sec-Butylbenzene		1.111	1.089	1.045	1.170	1.027	1.150	1.135	1.111		1.1	4.5	TM			
94	TM	p-Isopropyltoluene		0.9608	0.9316	1.009	1.087	0.9917	1.099	1.107	1.097		1.0	6.8	TM			
95	TM	Benzyl Chloride			0.2992	0.3230	0.3135	0.2737	0.3065	0.2793	0.3276		0.30	6.8	TM			
96	TM	1,3-DCB			0.6602	0.6433	0.6650	0.6069	0.6634	0.6413	0.6174		0.64	3.6	TM			
97	TM	1,4-DCB		0.7316	0.7354	0.6426	0.6769	0.6020	0.6682	0.6381	0.6265		0.67	7.2	TM			
98	TM	n-Butylbenzene			0.6035	0.6147	0.6698	0.6247	0.7256	0.7449	0.7659		0.68	9.9	TM			
99	TM	1,2-DCB		0.7114	0.6660	0.6249	0.6790	0.6077	0.6437	0.6245	0.6470		0.65	5.2	TM			
100	TM	Hexachloroethane			0.2188	0.1828	0.1945	0.1639	0.1980	0.1898	0.1841		0.19	8.8	TM			
101	TML	1,2-Dibromo-3-chloropropane		0.0517	0.0493	0.0853	0.0621	0.0545	0.0621	0.0692	0.0790		0.06	20	TM	0.996		
102	TM	1,2,4-Trichlorobenzene			0.2991	0.3171	0.3409	0.3334	0.4221				0.34	14	TM			
103	TM	Hexachlorobutadiene			0.2006	0.2221	0.2635	0.2270	0.2532				0.23	11	TM			
104	TML	Naphthalene			0.2063	0.1705	0.2433	0.2621	0.3356	0.4153	0.5142		0.31	40	TM	0.993		
105	TML	1,2,3-Trichlorobenzene		0.1481	0.1968	0.1973	0.2833	0.2648	0.3599	0.4003	0.4769		0.29	39	TM	0.995		

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\210819\0819M12.D Vial: 2
Acq On : 19 Aug 21 15:06 Operator: LP,DG,CH
Sample : 0.2ug/L VOC STD 8/19/21 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Aug 20 12:10 2021 Quant Results File: M0819W.RES

Quant Method : M:\MAX\DATA\210819\M0819W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Aug 20 12:09:55 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	335968	25.00	ppb		0.00
65) Chlorobenzene-D5 (IS)	9.41	117	274235	25.00	ppb		0.00
80) 1,4-Dichlorobenzene-D (IS)	11.75	152	167973	25.00	ppb		0.00
System Monitoring Compounds							
41) Dibromofluoromethane(S)	5.41	111	21517	5.55	ppb		0.00
Spiked Amount 25.000			Recovery = 22.188%				
46) 1,2-DCA-D4(S)	5.81	65	14731	6.05	ppb		0.00
Spiked Amount 25.000			Recovery = 24.184%				
66) Toluene-D8(S)	7.95	98	74347	5.76	ppb		0.00
Spiked Amount 25.000			Recovery = 23.048%				
74) 4-Bromofluorobenzene(S)	10.60	95	29152	5.75	ppb		0.00
Spiked Amount 25.000			Recovery = 23.020%				
Target Compounds							Qvalue
3) Dichlorodifluoromethane	1.08	85	218	0.11	ppb	#	42
5) Chloromethane	1.17	50	419	0.34	ppb	#	45
6) Vinyl chloride	1.31	62	399	0.29	ppb	#	78
8) Bromomethane	1.57	94	519	0.59	ppb	#	54
10) Dichlorofluoromethane	1.84	67	649	0.25	ppb	#	81
11) Trichlorofluoromethane	1.88	101	561	0.19	ppb	#	40
13) Acrolein	2.29	56	1330	8.14	ppb		97
14) Acetone	2.46	43	3570	3.74	ppb		90
15) Freon-113	2.38	151	172	0.12	ppb	#	51
16) Acetonitrile	2.76	41	1122	9.60	ppb	#	24
19) 1,1-DCE	2.37	61	506	0.25	ppb	#	85
20) t-Butanol	3.17	59	996	8.00	ppb	#	58
22) Iodomethane	2.52	142	191	0.18	ppb	#	44
23) Acrylonitrile	3.18	53	67	-0.30	ppb	#	22
25) Methylene chloride	2.91	84	3552	0.54	ppb	#	85
27) Methyl t-butyl ether (MtBE	3.29	73	1333	0.28	ppb	#	80
28) Trans-1,2-DCE	3.25	96	366	0.23	ppb	#	84
31) Diisopropyl Ether	4.06	45	520	0.15	ppb	#	90
32) 1,1-DCA	3.85	63	489	0.20	ppb	#	50
33) Vinyl Acetate	4.05	43	420	0.30	ppb	#	63
34) Ethyl tert Butyl Ether	4.61	59	1010	0.24	ppb	#	45
35) Methylcyclopentane	4.75	56	64	0.60	ppb		100
36) MEK (2-Butanone)	4.84	43	2743	5.99	ppb	#	72
37) Cis-1,2-DCE	4.75	96	446	0.26	ppb	#	29
38) 2,2-Dichloropropane	4.71	77	432	0.15	ppb	#	60
39) Chloroform	5.21	83	832	0.27	ppb		91
40) Bromochloromethane	5.05	130	308	0.25	ppb	#	11
42) 1,1,1-TCA	5.39	97	531	0.17	ppb	#	41
43) Cyclohexane	5.45	41	88	0.09	ppb	#	45
44) 1,1-Dichloropropene	5.60	75	525	0.28	ppb	#	83
45) 2,2,4-Trimethylpentane	5.99	57	409	0.13	ppb	#	36
47) Carbon Tetrachloride	5.59	117	543	0.20	ppb	#	58
48) Tert Amyl Methyl Ether	6.06	73	882	0.20	ppb	#	60
49) 1,2-DCA	5.90	62	640	0.27	ppb	#	71
50) Benzene	5.85	78	1277	0.22	ppb	#	86
51) TCE	6.64	95	453	0.29	ppb	#	55
52) 2-Pentanone	6.91	43	7412	10.17	ppb		100
53) 1,2-Dichloropropane	6.87	63	274	0.41	ppb	#	79
54) Bromodichloromethane	7.20	83	453	0.20	ppb	#	67
55) Methyl Cyclohexane	6.82	83	585	0.28	ppb		77

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

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\210819\0819M12.D Vial: 2
Acq On : 19 Aug 21 15:06 Operator: LP,DG,CH
Sample : 0.2ug/L VOC STD 8/19/21 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Aug 20 12:10 2021 Quant Results File: M0819W.RES

Quant Method : M:\MAX\DATA\210819\M0819W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Aug 20 12:09:55 2021
Response via : Initial Calibration
DataAcq Meth : M8260_081021

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
57)	MIBK (methyl isobutyl ket	7.89	43	5311	5.50	ppb	#	86
61)	Toluene	8.02	91	1515	0.24	ppb		78
62)	Trans-1,3-Dichloropropene	8.28	75	594	0.26	ppb	#	43
63)	1,1,2-TCA	8.45	83	110	0.11	ppb	#	49
64)	2-Hexanone	8.74	43	4025	5.54	ppb	#	71
68)	Tetrachloroethene	8.56	164	437	-0.09	ppb	#	78
69)	1-Chlorohexane	9.41	91	1240	0.75	ppb	#	1
70)	1,1,1,2-Tetrachloroethane	9.53	131	309	0.15	ppb	#	67
71)	m&p-Xylene	9.69	106	1401	0.46	ppb		85
72)	o-Xylene	10.07	106	908	0.29	ppb	#	11
73)	Styrene	10.11	104	1207	0.25	ppb	#	58
75)	1,3-Dichloropropane	8.62	76	669	0.31	ppb	#	78
76)	Dibromochloromethane	8.83	129	350	0.18	ppb		80
77)	Chlorobenzene	9.45	112	1075	0.24	ppb		97
78)	Ethylbenzene	9.57	91	1471	0.21	ppb		97
79)	Bromoform	10.26	173	574	0.37	ppb		92
81)	Isopropylbenzene	10.45	105	1776	0.23	ppb		96
82)	1,1,2,2-Tetrachloroethane	10.77	83	215	0.16	ppb	#	26
83)	1,2,3-Trichloropropane	10.79	110	51	0.08	ppb	#	15
85)	Bromobenzene	10.73	156	598	0.24	ppb	#	55
86)	n-Propylbenzene	10.87	91	1765	0.22	ppb		84
87)	4-Ethyltoluene	10.98	105	1976	0.26	ppb		93
88)	2-Chlorotoluene	10.93	91	1503	0.27	ppb	#	75
89)	1,3,5-Trimethylbenzene	11.06	105	1414	0.21	ppb	#	64
90)	4-Chlorotoluene	11.05	91	1192	0.20	ppb	#	74
91)	Tert-Butylbenzene	11.36	119	848	0.22	ppb	#	72
92)	1,2,4-Trimethylbenzene	11.41	105	1689	0.25	ppb	#	62
93)	Sec-Butylbenzene	11.59	105	1849	0.25	ppb		86
94)	p-Isopropyltoluene	11.74	119	1608	0.23	ppb	#	53
95)	Benzyl Chloride	11.93	91	593	0.29	ppb	#	58
96)	1,3-DCB	11.77	146	1327	0.31	ppb	#	76
97)	1,4-DCB	11.68	146	1160	0.26	ppb	#	58
98)	n-Butylbenzene	12.15	91	914	0.20	ppb	#	52
99)	1,2-DCB	12.14	146	788	0.18	ppb	#	47
100)	Hexachloroethane	12.37	117	447	0.35	ppb	#	64
101)	1,2-Dibromo-3-chloropropan	12.92	157	73	1.83	ppb	#	9
102)	1,2,4-Trichlorobenzene	13.75	180	789	0.34	ppb	#	33
103)	Hexachlorobutadiene	13.92	225	324	0.21	ppb	#	78
104)	Naphthalene	13.99	128	502	3.88	ppb	#	64
105)	1,2,3-Trichlorobenzene	14.23	180	376	2.68	ppb	#	61

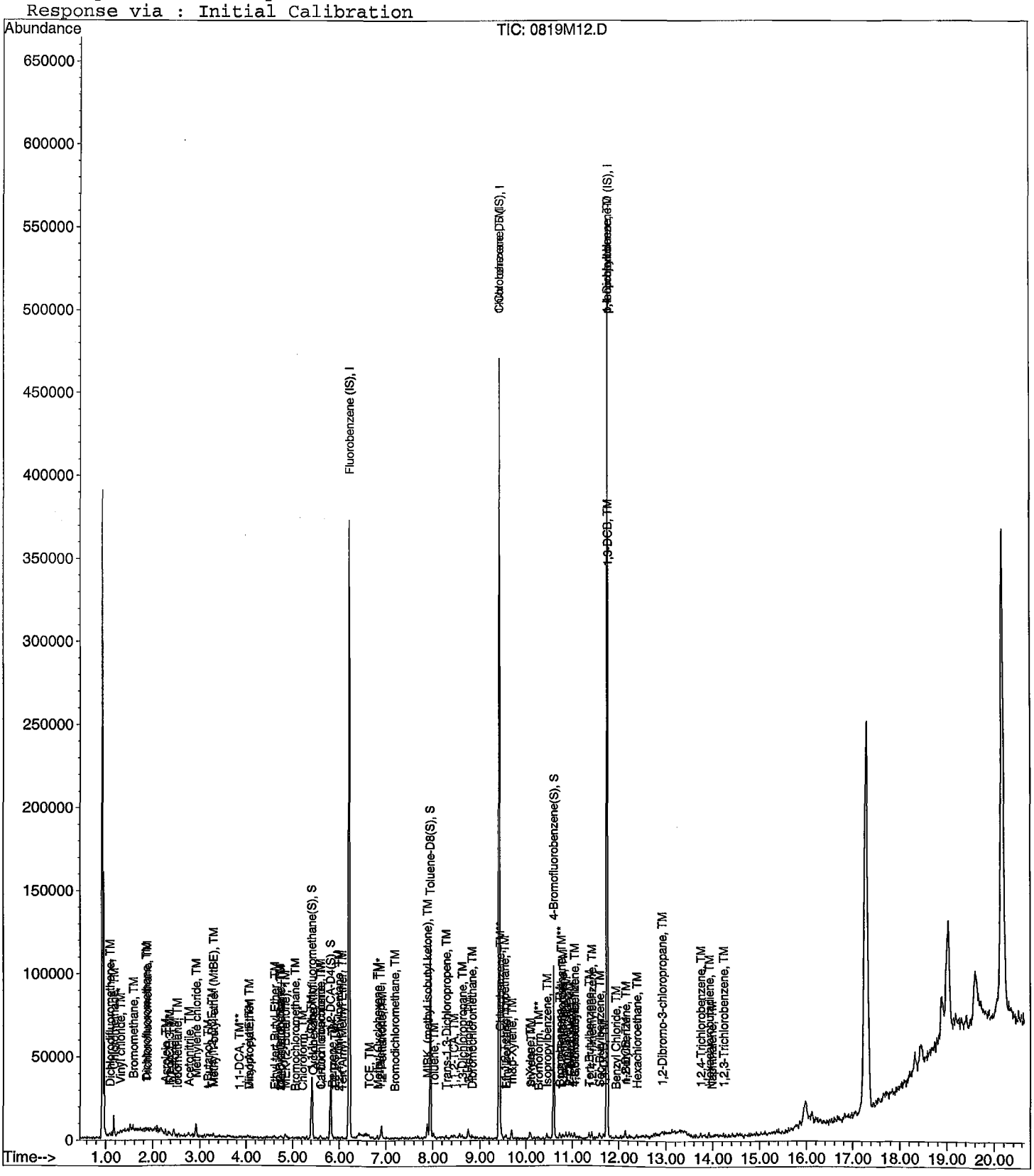
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\MAX\DATA\210819\0819M12.D Vial: 2
Acq On : 19 Aug 21 15:06 Operator: LP,DG,CH
Sample : 0.2ug/L VOC STD 8/19/21 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Aug 20 12:10 2021 Quant Results File: M0819W.RES

Method : M:\MAX\DATA\210819\M0819W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Sep 17 15:19:33 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\210819\0819M13.D Vial: 3
Acq On : 19 Aug 21 15:34 Operator: LP,DG,CH
Sample : 0.5ug/L VOC STD 8/19/21 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Aug 20 12:10 2021 Quant Results File: M0819W.RES

Quant Method : M:\MAX\DATA\210819\M0819W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Aug 20 12:09:55 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	328335	25.00	ppb		0.00
65) Chlorobenzene-D5 (IS)	9.41	117	272017	25.00	ppb		0.00
80) 1,4-Dichlorobenzene-D (IS)	11.75	152	163409	25.00	ppb		0.00
System Monitoring Compounds							
41) Dibromofluoromethane(S)	5.42	111	22066	5.82	ppb		0.00
Spiked Amount 25.000			Recovery = 23.280%				
46) 1,2-DCA-D4(S)	5.81	65	13581	5.70	ppb		0.00
Spiked Amount 25.000			Recovery = 22.816%				
66) Toluene-D8(S)	7.95	98	69225	5.41	ppb		0.00
Spiked Amount 25.000			Recovery = 21.636%				
74) 4-Bromofluorobenzene(S)	10.60	95	28793	5.73	ppb		0.00
Spiked Amount 25.000			Recovery = 22.920%				
Target Compounds							Qvalue
3) Dichlorodifluoromethane	1.09	85	757	0.40	ppb	#	71
4) Freon 114	1.18	85	590	0.53	ppb		98
5) Chloromethane	1.22	50	818	0.69	ppb	#	79
6) Vinyl chloride	1.31	62	759	0.57	ppb	#	37
8) Bromomethane	1.57	94	580	0.68	ppb		88
10) Dichlorofluoromethane	1.85	67	1531	0.61	ppb		100
11) Trichlorofluoromethane	1.88	101	1684	0.58	ppb		99
13) Acrolein	2.29	56	4496	28.15	ppb	#	79
14) Acetone	2.46	43	5047	8.69	ppb		92
15) Freon-113	2.38	151	617	0.43	ppb	#	87
16) Acetonitrile	2.77	41	3038	26.60	ppb	#	89
19) 1,1-DCE	2.36	61	962	0.49	ppb	#	36
20) t-Butanol	3.17	59	3074	25.26	ppb	#	73
21) Methyl Acetate	2.83	43	703	0.40	ppb	#	40
22) Iodomethane	2.51	142	511	0.49	ppb	#	67
23) Acrylonitrile	3.25	53	146	-0.10	ppb	#	22
25) Methylene chloride	2.91	84	3589	0.63	ppb		93
26) Carbon disulfide	2.56	76	1216	0.42	ppb	#	83
27) Methyl t-butyl ether (MtBE	3.29	73	2617	0.56	ppb	#	59
28) Trans-1,2-DCE	3.25	96	772	0.50	ppb	#	65
31) Diisopropyl Ether	4.05	45	1943	0.55	ppb	#	68
32) 1,1-DCA	3.86	63	1291	0.53	ppb	#	78
33) Vinyl Acetate	4.05	43	595	0.50	ppb	#	63
34) Ethyl tert Butyl Ether	4.59	59	2096	0.51	ppb	#	88
35) Methylcyclopentane	4.61	56	41	0.48	ppb		100
36) MEK (2-Butanone)	4.84	43	4603	10.29	ppb	#	82
37) Cis-1,2-DCE	4.76	96	754	0.45	ppb		90
38) 2,2-Dichloropropane	4.72	77	1720	0.61	ppb		93
39) Chloroform	5.22	83	1470	0.50	ppb	#	72
40) Bromochloromethane	5.06	130	727	0.59	ppb		90
42) 1,1,1-TCA	5.39	97	1686	0.55	ppb	#	66
43) Cyclohexane	5.43	41	685	0.71	ppb	#	3
44) 1,1-Dichloropropene	5.61	75	1279	0.70	ppb	#	75
45) 2,2,4-Trimethylpentane	5.99	57	1681	0.56	ppb	#	42
47) Carbon Tetrachloride	5.59	117	1344	0.50	ppb		86
48) Tert Amyl Methyl Ether	6.06	73	2475	0.57	ppb	#	70
49) 1,2-DCA	5.92	62	877	0.38	ppb	#	71
50) Benzene	5.85	78	3189	0.57	ppb	#	89
51) TCE	6.63	95	1256	0.82	ppb	#	53
52) 2-Pentanone	6.91	43	18892	26.53	ppb		91

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

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\210819\0819M13.D Vial: 3
Acq On : 19 Aug 21 15:34 Operator: LP,DG,CH
Sample : 0.5ug/L VOC STD 8/19/21 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Aug 20 12:10 2021 Quant Results File: M0819W.RES

Quant Method : M:\MAX\DATA\210819\M0819W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Aug 20 12:09:55 2021
Response via : Initial Calibration
DataAcq Meth : M8260_081021

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
53)	1,2-Dichloropropane	6.87	63	610	0.92	ppb	#	79
54)	Bromodichloromethane	7.20	83	1503	0.68	ppb		76
55)	Methyl Cyclohexane	6.81	83	1048	0.51	ppb		82
56)	Dibromomethane	7.00	93	386	0.44	ppb		87
57)	MIBK (methyl isobutyl ket	7.89	43	10434	11.06	ppb	#	85
58)	1-Bromo-2-chloroethane	7.54	144	72	0.22	ppb	#	22
60)	Cis-1,3-Dichloropropene	7.69	39	749	0.56	ppb	#	41
61)	Toluene	8.02	91	3416	0.56	ppb		86
62)	Trans-1,3-Dichloropropene	8.28	75	1326	0.58	ppb	#	78
63)	1,1,2-TCA	8.46	83	643	0.64	ppb	#	60
64)	2-Hexanone	8.75	43	6811	10.36	ppb	#	85
67)	1,2-EDB	8.94	107	800	0.61	ppb	#	60
68)	Tetrachloroethene	8.57	164	1025	0.41	ppb	#	58
69)	1-Chlorohexane	9.41	91	1541	0.94	ppb	#	1
70)	1,1,1,2-Tetrachloroethane	9.54	131	1120	0.56	ppb		87
71)	m&p-Xylene	9.69	106	3275	1.09	ppb		90
72)	o-Xylene	10.07	106	1687	0.53	ppb		71
73)	Styrene	10.10	104	2488	0.52	ppb	#	89
75)	1,3-Dichloropropane	8.62	76	1223	0.57	ppb		94
76)	Dibromochloromethane	8.84	129	1059	0.55	ppb	#	58
77)	Chlorobenzene	9.44	112	2036	0.45	ppb	#	57
78)	Ethylbenzene	9.56	91	3902	0.55	ppb		98
79)	Bromoform	10.27	173	757	0.49	ppb		78
81)	Isopropylbenzene	10.46	105	3932	0.53	ppb	#	89
82)	1,1,2,2-Tetrachloroethane	10.77	83	961	0.72	ppb	#	92
83)	1,2,3-Trichloropropane	10.80	110	412	0.70	ppb	#	15
84)	t-1,4-Dichloro-2-Butene	10.83	53	73	0.24	ppb	#	10
85)	Bromobenzene	10.73	156	1301	0.54	ppb	#	65
86)	n-Propylbenzene	10.87	91	4099	0.53	ppb		99
87)	4-Ethyltoluene	10.98	105	3758	0.52	ppb	#	73
88)	2-Chlorotoluene	10.94	91	3889	0.73	ppb		98
89)	1,3,5-Trimethylbenzene	11.05	105	3442	0.53	ppb	#	67
90)	4-Chlorotoluene	11.05	91	3341	0.57	ppb		97
91)	Tert-Butylbenzene	11.37	119	1958	0.51	ppb	#	79
92)	1,2,4-Trimethylbenzene	11.41	105	3697	0.57	ppb	#	77
93)	Sec-Butylbenzene	11.58	105	3631	0.50	ppb		86
94)	p-Isopropyltoluene	11.74	119	3140	0.46	ppb		93
95)	Benzyl Chloride	11.92	91	1248	0.63	ppb	#	69
96)	1,3-DCB	11.77	146	2692	0.64	ppb		89
97)	1,4-DCB	11.68	146	2391	0.55	ppb		93
98)	n-Butylbenzene	12.14	91	1801	0.41	ppb	#	78
99)	1,2-DCB	12.14	146	2325	0.55	ppb	#	83
100)	Hexachloroethane	12.38	117	549	0.44	ppb		88
101)	1,2-Dibromo-3-chloropropan	12.92	157	169	2.02	ppb	#	17
102)	1,2,4-Trichlorobenzene	13.75	180	785	0.35	ppb	#	70
103)	Hexachlorobutadiene	13.93	225	678	0.44	ppb	#	63
104)	Naphthalene	13.98	128	788	3.96	ppb		96
105)	1,2,3-Trichlorobenzene	14.22	180	484	2.72	ppb	#	82

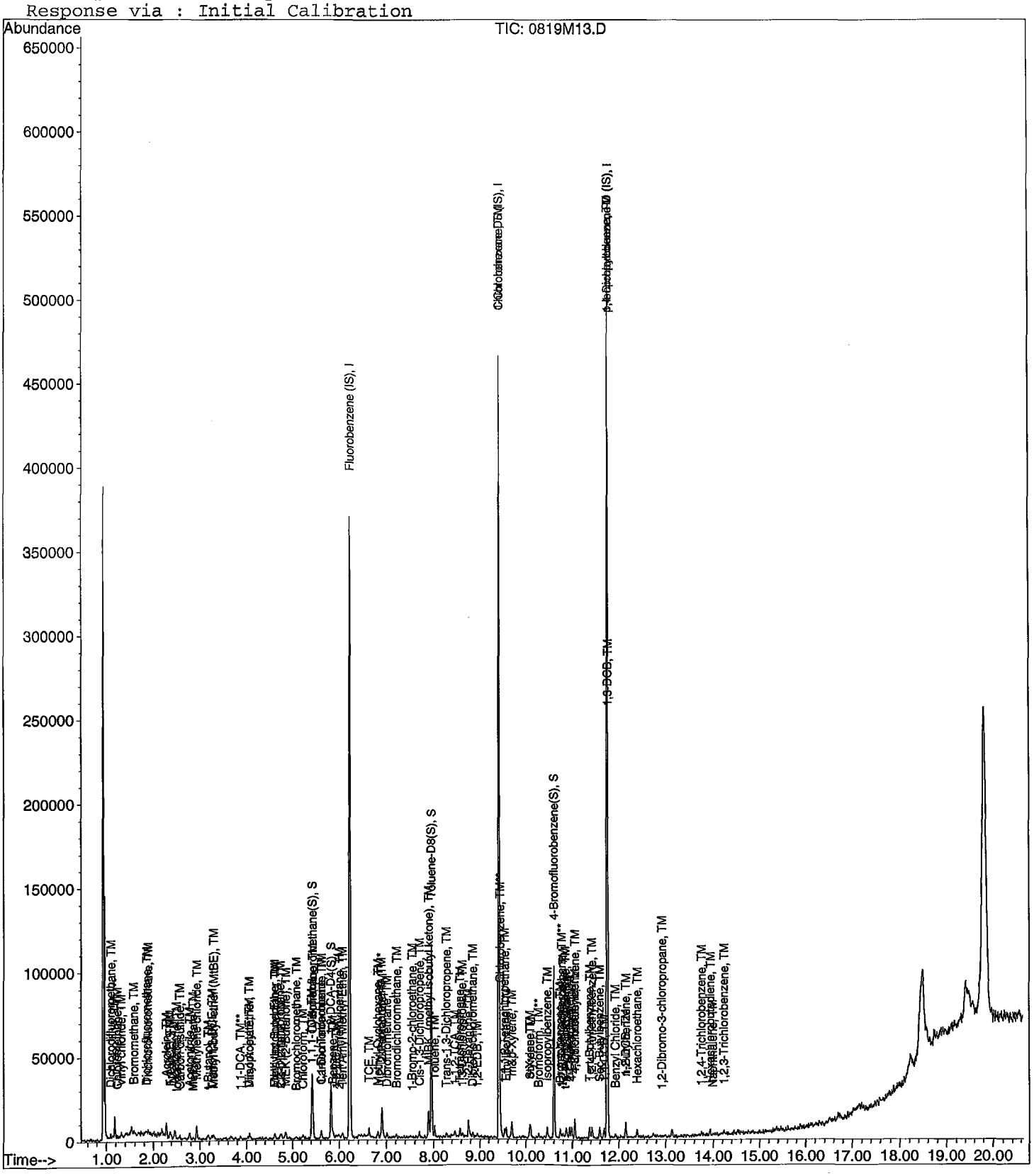
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\MAX\DATA\210819\0819M13.D Vial: 3
Acq On : 19 Aug 21 15:34 Operator: LP,DG,CH
Sample : 0.5ug/L VOC STD 8/19/21 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Aug 20 12:10 2021 Quant Results File: M0819W.RES

Method : M:\MAX\DATA\210819\M0819W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Sep 17 15:19:33 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\210819\0819M14.D Vial: 4
Acq On : 19 Aug 21 16:02 Operator: LP,DG,CH
Sample : 1ug/L VOC STD 8/19/21 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Aug 20 12:10 2021 Quant Results File: M0819W.RES

Quant Method : M:\MAX\DATA\210819\M0819W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Aug 20 12:09:55 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	336486	25.00	ppb		0.00
65) Chlorobenzene-D5 (IS)	9.41	117	274809	25.00	ppb		0.00
80) 1,4-Dichlorobenzene-D (IS)	11.75	152	167262	25.00	ppb		0.00
System Monitoring Compounds							
41) Dibromofluoromethane(S)	5.42	111	37288	9.60	ppb		0.00
Spiked Amount 25.000			Recovery = 38.388%				
46) 1,2-DCA-D4(S)	5.82	65	22200	9.10	ppb		0.00
Spiked Amount 25.000			Recovery = 36.388%				
66) Toluene-D8(S)	7.95	98	122022	9.44	ppb		0.00
Spiked Amount 25.000			Recovery = 37.752%				
74) 4-Bromofluorobenzene(S)	10.60	95	46689	9.20	ppb		0.00
Spiked Amount 25.000			Recovery = 36.788%				
Target Compounds							Qvalue
3) Dichlorodifluoromethane	1.09	85	2249	1.17	ppb	#	82
4) Freon 114	1.18	85	1213	1.06	ppb	#	42
5) Chloromethane	1.22	50	1511	1.24	ppb		94
6) Vinyl chloride	1.31	62	1256	0.92	ppb		93
8) Bromomethane	1.57	94	1025	1.17	ppb		80
9) Chloroethane	1.66	64	1244	1.24	ppb	#	89
10) Dichlorofluoromethane	1.84	67	2581	1.01	ppb		95
11) Trichlorofluoromethane	1.88	101	2369	0.80	ppb	#	61
13) Acrolein	2.29	56	7326	44.76	ppb		86
14) Acetone	2.46	43	9088	20.83	ppb		91
15) Freon-113	2.38	151	1605	1.10	ppb	#	84
16) Acetonitrile	2.76	41	6141	52.46	ppb		95
19) 1,1-DCE	2.37	61	2514	1.26	ppb	#	78
20) t-Butanol	3.17	59	6314	50.62	ppb		95
21) Methyl Acetate	2.83	43	1193	1.08	ppb	#	80
22) Iodomethane	2.51	142	913	0.85	ppb	#	35
23) Acrylonitrile	3.24	53	344	0.38	ppb	#	22
25) Methylene chloride	2.92	84	4502	1.29	ppb		95
26) Carbon disulfide	2.56	76	2871	1.28	ppb		99
27) Methyl t-butyl ether (MtBE	3.30	73	4587	0.96	ppb		95
28) Trans-1,2-DCE	3.25	96	1927	1.23	ppb		85
31) Diisopropyl Ether	4.04	45	3930	1.09	ppb		93
32) 1,1-DCA	3.86	63	2636	1.05	ppb	#	83
34) Ethyl tert Butyl Ether	4.61	59	3756	0.89	ppb	#	85
35) Methylcyclopentane	4.61	56	79	0.68	ppb		100
36) MEK (2-Butanone)	4.83	43	8442	18.42	ppb	#	78
37) Cis-1,2-DCE	4.74	96	1791	1.05	ppb		85
38) 2,2-Dichloropropane	4.71	77	2801	0.96	ppb	#	81
39) Chloroform	5.21	83	3626	1.20	ppb		100
40) Bromochloromethane	5.05	130	1179	0.94	ppb	#	55
42) 1,1,1-TCA	5.39	97	2902	0.92	ppb		95
43) Cyclohexane	5.45	41	1097	1.11	ppb		82
44) 1,1-Dichloropropene	5.62	75	2204	1.17	ppb		91
45) 2,2,4-Trimethylpentane	5.98	57	3327	1.08	ppb	#	54
47) Carbon Tetrachloride	5.59	117	2957	1.07	ppb	#	80
48) Tert Amyl Methyl Ether	6.06	73	5494	1.24	ppb	#	82
49) 1,2-DCA	5.91	62	2412	1.03	ppb	#	84
50) Benzene	5.86	78	5638	0.99	ppb	#	85
51) TCE	6.63	95	1730	1.10	ppb	#	53
52) 2-Pentanone	6.90	43	37686	51.65	ppb		89

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

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\210819\0819M14.D Vial: 4
Acq On : 19 Aug 21 16:02 Operator: LP,DG,CH
Sample : 1ug/L VOC STD 8/19/21 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Aug 20 12:10 2021 Quant Results File: M0819W.RES

Quant Method : M:\MAX\DATA\210819\M0819W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Aug 20 12:09:55 2021
Response via : Initial Calibration
DataAcq Meth : M8260_081021

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
53)	1,2-Dichloropropane	6.89	63	660	0.98	ppb	#	79
54)	Bromodichloromethane	7.20	83	2085	0.92	ppb		100
55)	Methyl Cyclohexane	6.82	83	2438	1.16	ppb		92
56)	Dibromomethane	7.01	93	939	1.04	ppb		90
57)	MIBK (methyl isobutyl ket	7.89	43	19686	20.37	ppb		96
58)	1-Bromo-2-chloroethane	7.51	144	417	1.23	ppb		96
60)	Cis-1,3-Dichloropropene	7.69	39	1436	1.04	ppb		88
61)	Toluene	8.02	91	6493	1.04	ppb		84
62)	Trans-1,3-Dichloropropene	8.28	75	1962	0.84	ppb	#	68
63)	1,1,2-TCA	8.46	83	1186	1.15	ppb		75
64)	2-Hexanone	8.75	43	12904	20.05	ppb	#	91
67)	1,2-EDB	8.94	107	1279	0.96	ppb	#	80
68)	Tetrachloroethene	8.57	164	1859	1.11	ppb	#	80
69)	1-Chlorohexane	9.45	91	1921	1.15	ppb	#	75
70)	1,1,1,2-Tetrachloroethane	9.53	131	2143	1.06	ppb		85
71)	m&p-Xylene	9.69	106	6386	2.10	ppb		98
72)	o-Xylene	10.08	106	3631	1.14	ppb		67
73)	Styrene	10.10	104	5416	1.12	ppb	#	95
75)	1,3-Dichloropropane	8.62	76	2228	1.03	ppb		93
76)	Dibromochloromethane	8.84	129	1742	0.89	ppb		90
77)	Chlorobenzene	9.44	112	5074	1.12	ppb		94
78)	Ethylbenzene	9.56	91	7412	1.04	ppb		91
79)	Bromoform	10.27	173	1818	1.16	ppb		81
81)	Isopropylbenzene	10.46	105	7631	1.00	ppb	#	88
82)	1,1,2,2-Tetrachloroethane	10.77	83	1619	1.18	ppb	#	76
83)	1,2,3-Trichloropropane	10.80	110	720	1.20	ppb		93
84)	t-1,4-Dichloro-2-Butene	10.83	53	247	0.79	ppb	#	73
85)	Bromobenzene	10.73	156	2498	1.02	ppb		99
86)	n-Propylbenzene	10.87	91	8492	1.08	ppb		93
87)	4-Ethyltoluene	10.98	105	7753	1.04	ppb		96
88)	2-Chlorotoluene	10.93	91	4955	0.91	ppb	#	73
89)	1,3,5-Trimethylbenzene	11.05	105	6534	0.99	ppb		88
90)	4-Chlorotoluene	11.05	91	6354	1.06	ppb		89
91)	Tert-Butylbenzene	11.37	119	3751	0.96	ppb	#	90
92)	1,2,4-Trimethylbenzene	11.41	105	6422	0.96	ppb		95
93)	Sec-Butylbenzene	11.58	105	7285	0.99	ppb		85
94)	p-Isopropyltoluene	11.74	119	6233	0.90	ppb	#	87
95)	Benzyl Chloride	11.92	91	2002	0.99	ppb	#	30
96)	1,3-DCB	11.77	146	4417	1.03	ppb		96
97)	1,4-DCB	11.68	146	4920	1.11	ppb		94
98)	n-Butylbenzene	12.14	91	4038	0.89	ppb		95
99)	1,2-DCB	12.14	146	4456	1.02	ppb	#	83
100)	Hexachloroethane	12.38	117	1464	1.15	ppb		71
101)	1,2-Dibromo-3-chloropropan	12.93	157	330	2.32	ppb	#	62
102)	1,2,4-Trichlorobenzene	13.75	180	2001	0.87	ppb	#	83
103)	Hexachlorobutadiene	13.92	225	1342	0.86	ppb		92
104)	Naphthalene	13.98	128	1380	4.13	ppb	#	84
105)	1,2,3-Trichlorobenzene	14.23	180	1317	2.98	ppb	#	70

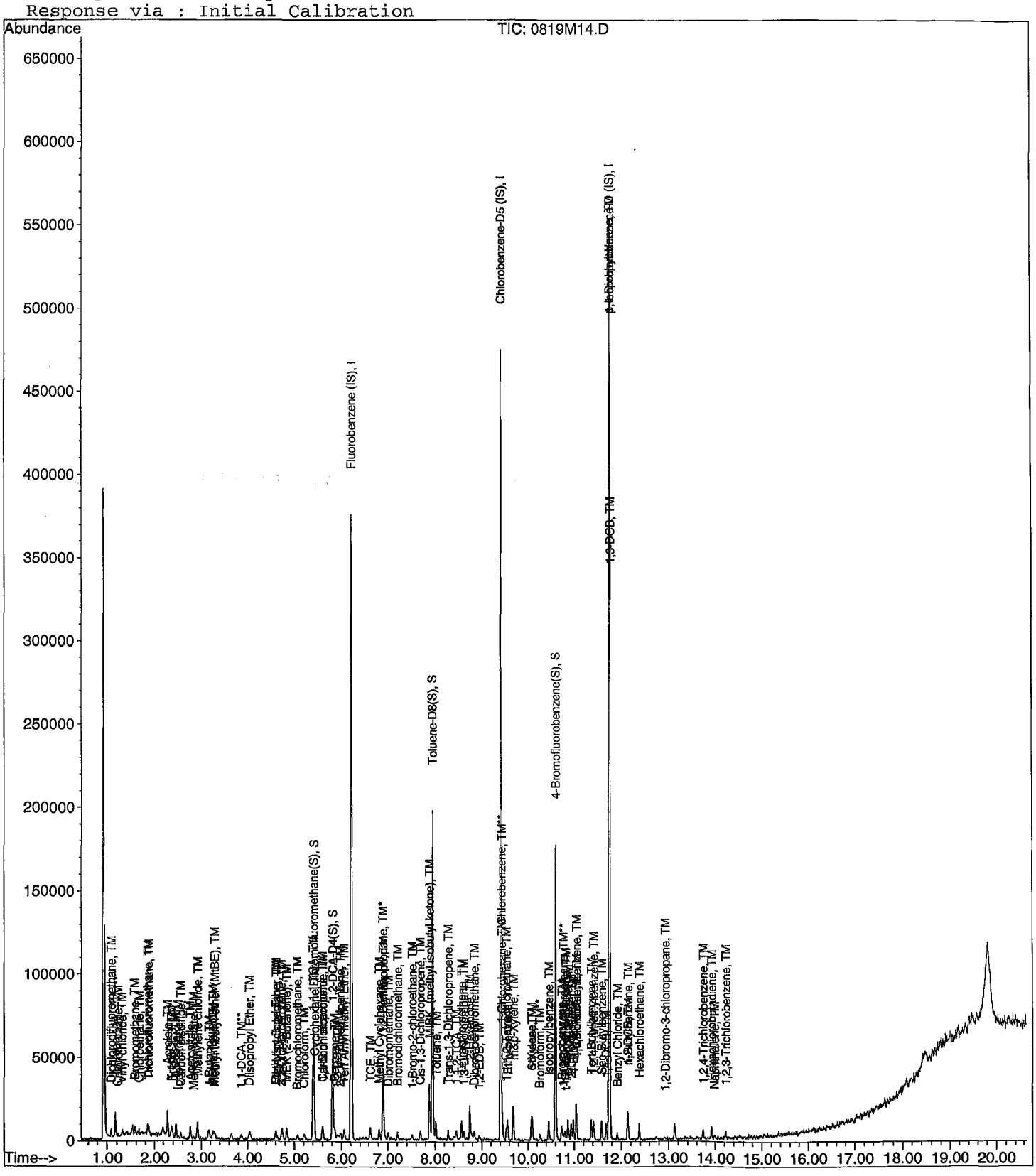
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\MAX\DATA\210819\0819M14.D Vial: 4
Acq On : 19 Aug 21 16:02 Operator: LP,DG,CH
Sample : 1ug/L VOC STD 8/19/21 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Aug 20 12:10 2021 Quant Results File: M0819W.RES

Method : M:\MAX\DATA\210819\M0819W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Sep 17 15:19:33 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\210819\0819M15.D Vial: 5
Acq On : 19 Aug 21 16:30 Operator: LP,DG,CH
Sample : 2ug/L VOC STD 8/19/21 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Aug 20 12:10 2021 Quant Results File: M0819W.RES

Quant Method : M:\MAX\DATA\210819\M0819W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Aug 20 12:09:55 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	338979	25.00	ppb		0.00
65) Chlorobenzene-D5 (IS)	9.41	117	275713	25.00	ppb		0.00
80) 1,4-Dichlorobenzene-D (IS)	11.75	152	167782	25.00	ppb		0.00
System Monitoring Compounds							
41) Dibromofluoromethane(S)	5.41	111	35825	9.15	ppb		0.00
Spiked Amount 25.000			Recovery = 36.612%				
46) 1,2-DCA-D4(S)	5.81	65	23800	9.68	ppb		0.00
Spiked Amount 25.000			Recovery = 38.724%				
66) Toluene-D8(S)	7.95	98	127761	9.85	ppb		0.00
Spiked Amount 25.000			Recovery = 39.396%				
74) 4-Bromofluorobenzene(S)	10.60	95	47035	9.23	ppb		0.00
Spiked Amount 25.000			Recovery = 36.940%				
Target Compounds							Qvalue
3) Dichlorodifluoromethane	1.09	85	3835	1.99	ppb	#	81
4) Freon 114	1.18	85	2239	1.94	ppb	#	55
5) Chloromethane	1.22	50	2487	2.02	ppb		95
6) Vinyl chloride	1.31	62	3126	2.27	ppb		95
8) Bromomethane	1.57	94	1867	2.11	ppb		93
9) Chloroethane	1.66	64	1423	1.53	ppb	#	78
10) Dichlorofluoromethane	1.84	67	5824	2.27	ppb		98
11) Trichlorofluoromethane	1.88	101	6700	2.24	ppb		97
13) Acrolein	2.29	56	12518	75.92	ppb		96
14) Acetone	2.46	43	11416	27.78	ppb		92
15) Freon-113	2.38	151	2989	2.04	ppb	#	82
16) Acetonitrile	2.76	41	8579	72.75	ppb		95
19) 1,1-DCE	2.36	61	4243	2.11	ppb	#	81
20) t-Butanol	3.16	59	9206	73.26	ppb		96
21) Methyl Acetate	2.83	43	2153	2.42	ppb	#	70
22) Iodomethane	2.51	142	2294	2.12	ppb	#	84
23) Acrylonitrile	3.25	53	1156	2.33	ppb	#	83
25) Methylene chloride	2.92	84	5307	1.91	ppb		98
26) Carbon disulfide	2.56	76	3835	1.77	ppb	#	73
27) Methyl t-butyl ether (MtBE	3.30	73	10091	2.11	ppb		94
28) Trans-1,2-DCE	3.25	96	3347	2.12	ppb	#	73
31) Diisopropyl Ether	4.05	45	6943	1.92	ppb	#	85
32) 1,1-DCA	3.85	63	5123	2.03	ppb	#	89
34) Ethyl tert Butyl Ether	4.60	59	9028	2.12	ppb		100
35) Methylcyclopentane	4.61	56	191	1.28	ppb		100
36) MEK (2-Butanone)	4.84	43	13312	28.83	ppb	#	94
37) Cis-1,2-DCE	4.74	96	3682	2.14	ppb		89
38) 2,2-Dichloropropane	4.73	77	6238	2.13	ppb	#	91
39) Chloroform	5.21	83	6282	2.06	ppb		88
40) Bromochloromethane	5.06	130	2639	2.08	ppb	#	69
42) 1,1,1-TCA	5.40	97	6952	2.19	ppb		94
43) Cyclohexane	5.44	41	1907	1.92	ppb		75
44) 1,1-Dichloropropene	5.62	75	3612	1.91	ppb	#	84
45) 2,2,4-Trimethylpentane	5.98	57	6265	2.02	ppb	#	51
47) Carbon Tetrachloride	5.59	117	5711	2.06	ppb		95
48) Tert Amyl Methyl Ether	6.06	73	8344	1.86	ppb	#	95
49) 1,2-DCA	5.91	62	4971	2.10	ppb	#	88
50) Benzene	5.86	78	12187	2.13	ppb		96
51) TCE	6.63	95	3056	1.93	ppb		92
52) 2-Pentanone	6.90	43	53939	73.38	ppb		98

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

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\210819\0819M15.D Vial: 5
Acq On : 19 Aug 21 16:30 Operator: LP,DG,CH
Sample : 2ug/L VOC STD 8/19/21 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Aug 20 12:10 2021 Quant Results File: M0819W.RES

Quant Method : M:\MAX\DATA\210819\M0819W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Aug 20 12:09:55 2021
Response via : Initial Calibration
DataAcq Meth : M8260_081021

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
53)	1,2-Dichloropropane	6.88	63	1330	1.95	ppb	#	79
54)	Bromodichloromethane	7.21	83	4838	2.12	ppb		95
55)	Methyl Cyclohexane	6.82	83	4477	2.12	ppb		88
56)	Dibromomethane	7.01	93	1741	1.92	ppb		96
57)	MIBK (methyl isobutyl ket	7.89	43	29387	30.18	ppb		97
58)	1-Bromo-2-chloroethane	7.51	144	567	1.65	ppb		96
60)	Cis-1,3-Dichloropropene	7.69	39	2675	1.93	ppb	#	86
61)	Toluene	8.02	91	12797	2.04	ppb		98
62)	Trans-1,3-Dichloropropene	8.28	75	5141	2.19	ppb		95
63)	1,1,2-TCA	8.46	83	2266	2.18	ppb		84
64)	2-Hexanone	8.75	43	17946	28.07	ppb		96
67)	1,2-EDB	8.93	107	2585	1.93	ppb		81
68)	Tetrachloroethene	8.57	164	2504	1.64	ppb	#	90
69)	1-Chlorohexane	9.45	91	3085	1.85	ppb		94
70)	1,1,1,2-Tetrachloroethane	9.53	131	4025	1.99	ppb	#	60
71)	m&p-Xylene	9.69	106	11656	3.82	ppb		99
72)	o-Xylene	10.08	106	6108	1.91	ppb		94
73)	Styrene	10.09	104	9251	1.90	ppb		97
75)	1,3-Dichloropropane	8.62	76	4183	1.93	ppb		87
76)	Dibromochloromethane	8.84	129	4127	2.10	ppb		87
77)	Chlorobenzene	9.44	112	9172	2.01	ppb		90
78)	Ethylbenzene	9.57	91	13656	1.90	ppb		97
79)	Bromoform	10.27	173	3063	1.96	ppb		88
81)	Isopropylbenzene	10.46	105	15676	2.05	ppb		91
82)	1,1,2,2-Tetrachloroethane	10.77	83	2811	2.05	ppb		92
83)	1,2,3-Trichloropropane	10.80	110	1154	1.92	ppb		92
84)	t-1,4-Dichloro-2-Butene	10.83	53	616	1.97	ppb	#	41
85)	Bromobenzene	10.73	156	5073	2.06	ppb		95
86)	n-Propylbenzene	10.87	91	16162	2.05	ppb		97
87)	4-Ethyltoluene	10.98	105	15842	2.12	ppb		89
88)	2-Chlorotoluene	10.94	91	12502	2.29	ppb		85
89)	1,3,5-Trimethylbenzene	11.05	105	13544	2.05	ppb		91
90)	4-Chlorotoluene	11.05	91	11706	1.95	ppb		94
91)	Tert-Butylbenzene	11.36	119	8076	2.06	ppb		90
92)	1,2,4-Trimethylbenzene	11.41	105	13597	2.03	ppb		84
93)	Sec-Butylbenzene	11.59	105	14025	1.89	ppb		95
94)	p-Isopropyltoluene	11.74	119	13543	1.95	ppb		95
95)	Benzyl Chloride	11.92	91	4336	2.13	ppb		92
96)	1,3-DCB	11.77	146	8635	2.00	ppb		94
97)	1,4-DCB	11.68	146	8626	1.93	ppb		85
98)	n-Butylbenzene	12.14	91	8251	1.81	ppb		93
99)	1,2-DCB	12.14	146	8388	1.92	ppb		88
100)	Hexachloroethane	12.38	117	2453	1.92	ppb		85
101)	1,2-Dibromo-3-chloropropan	12.93	157	1145	3.85	ppb	#	56
102)	1,2,4-Trichlorobenzene	13.74	180	4256	1.85	ppb	#	75
103)	Hexachlorobutadiene	13.92	225	2981	1.90	ppb	#	78
104)	Naphthalene	13.99	128	2289	4.39	ppb		95
105)	1,2,3-Trichlorobenzene	14.23	180	2648	3.39	ppb		92

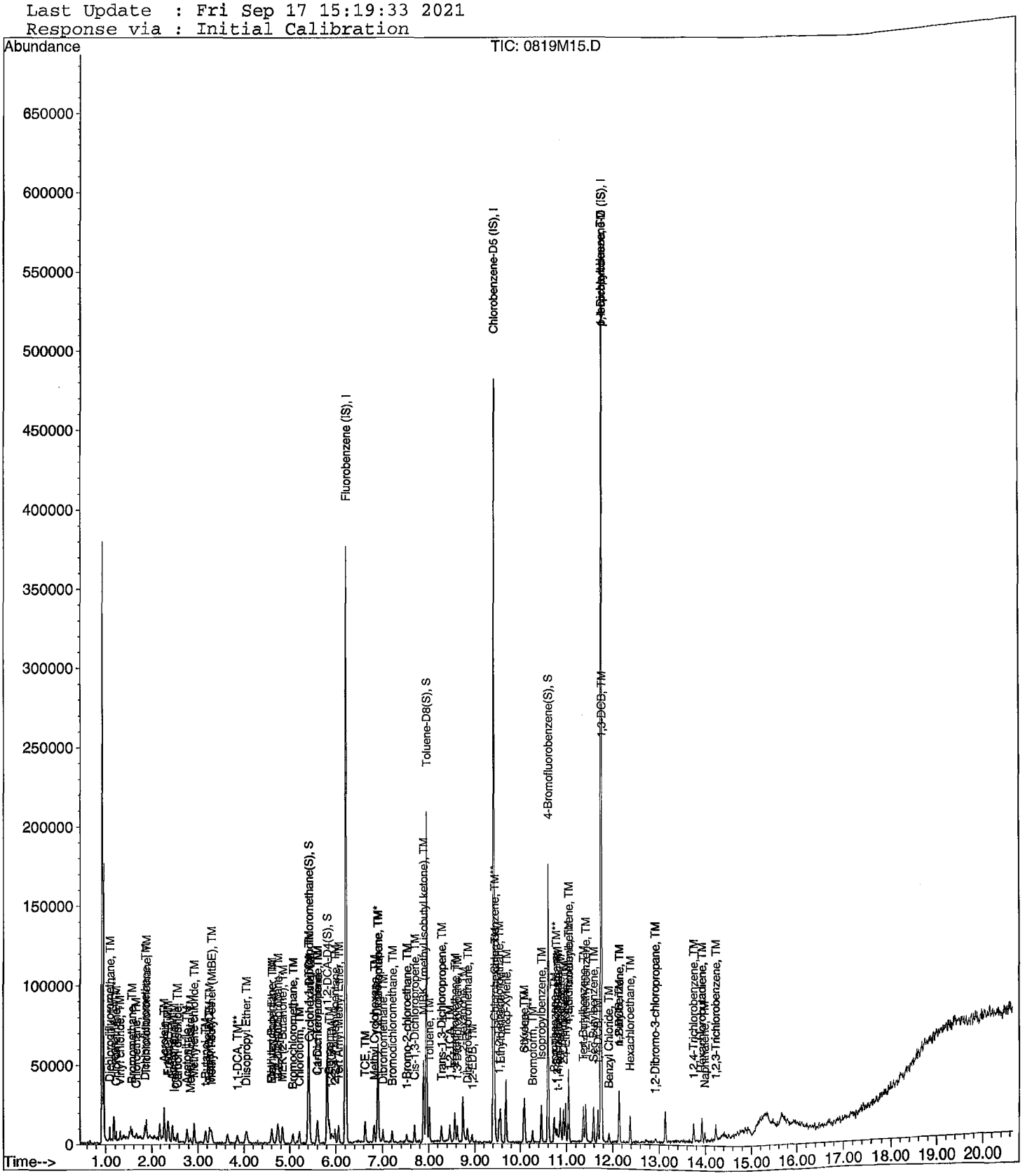
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\MAX\DATA\210819\0819M15.D Vial: 5
Acq On : 19 Aug 21 16:30 Operator: LP,DG,CH
Sample : 2ug/L VOC STD 8/19/21 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Aug 20 12:10 2021 Quant Results File: M0819W.RES

Method : M:\MAX\DATA\210819\M0819W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Sep 17 15:19:33 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\210819\0819M16.D Vial: 6
Acq On : 19 Aug 21 16:58 Operator: LP,DG,CH
Sample : 5ug/L VOC STD 8/19/21 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Aug 20 12:18 2021 Quant Results File: M0819W.RES

Quant Method : M:\MAX\DATA\210819\M0819W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Aug 20 12:18:10 2021
Response via : Initial Calibration
DataAcq Meth : M8260_081021

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene (IS)	6.21	96	332111	25.00	ppb		0.00
65) Chlorobenzene-D5 (IS)	9.41	117	269221	25.00	ppb		0.00
80) 1,4-Dichlorobenzene-D (IS)	11.75	152	171914	25.00	ppb		0.00
System Monitoring Compounds							
41) Dibromofluoromethane(S)	5.41	111	95387	24.87	ppb		0.00
Spiked Amount 25.000			Recovery = 99.496%				
46) 1,2-DCA-D4(S)	5.81	65	60112	24.96	ppb		0.00
Spiked Amount 25.000			Recovery = 99.832%				
66) Toluene-D8(S)	7.95	98	316981	25.03	ppb		0.00
Spiked Amount 25.000			Recovery = 100.100%				
74) 4-Bromofluorobenzene(S)	10.60	95	127841	25.71	ppb		0.00
Spiked Amount 25.000			Recovery = 102.824%				
Target Compounds							Qvalue
3) Dichlorodifluoromethane	1.09	85	9943	5.25	ppb		99
4) Freon 114	1.18	85	5691	5.04	ppb		92
5) Chloromethane	1.22	50	5890	4.88	ppb		98
6) Vinyl chloride	1.31	62	6818	5.05	ppb		96
8) Bromomethane	1.57	94	4227	4.88	ppb		97
9) Chloroethane	1.66	64	3201	4.68	ppb		95
10) Dichlorofluoromethane	1.84	67	13329	5.29	ppb		98
11) Trichlorofluoromethane	1.87	101	15736	5.36	ppb		96
13) Acrolein	2.29	56	15793	97.76	ppb	#	74
14) Acetone	2.46	43	16165	43.42	ppb		98
15) Freon-113	2.38	151	7796	5.42	ppb		92
16) Acetonitrile	2.76	41	11581	100.24	ppb		98
19) 1,1-DCE	2.36	61	9809	4.99	ppb	#	94
20) t-Butanol	3.17	59	11534	93.69	ppb		92
21) Methyl Acetate	2.84	43	4024	5.19	ppb	#	82
22) Iodomethane	2.50	142	5063	4.78	ppb		96
23) Acrylonitrile	3.26	53	2015	4.50	ppb	#	89
25) Methylene chloride	2.91	84	9789	5.64	ppb		97
26) Carbon disulfide	2.56	76	10747	5.53	ppb	#	85
27) Methyl t-butyl ether (MtBE	3.30	73	24821	5.29	ppb		99
28) Trans-1,2-DCE	3.25	96	8304	5.36	ppb		89
31) Diisopropyl Ether	4.05	45	18744	5.29	ppb		98
32) 1,1-DCA	3.86	63	13345	5.41	ppb		94
34) Ethyl tert Butyl Ether	4.60	59	22031	5.28	ppb		91
35) Methylcyclopentane	4.61	56	854	4.90	ppb		100
36) MEK (2-Butanone)	4.83	43	17083	37.76	ppb	#	92
37) Cis-1,2-DCE	4.75	96	9047	5.38	ppb		91
38) 2,2-Dichloropropane	4.73	77	15066	5.25	ppb		95
39) Chloroform	5.21	83	15606	5.22	ppb		91
40) Bromochloromethane	5.07	130	6580	5.30	ppb		89
42) 1,1,1-TCA	5.39	97	16337	5.26	ppb		95
43) Cyclohexane	5.43	41	5365	5.52	ppb		80
44) 1,1-Dichloropropene	5.61	75	9856	5.32	ppb		97
45) 2,2,4-Trimethylpentane	5.98	57	14558	4.80	ppb		88
47) Carbon Tetrachloride	5.60	117	13591	5.00	ppb		100
48) Tert Amyl Methyl Ether	6.06	73	22451	5.11	ppb	#	92
49) 1,2-DCA	5.91	62	13147	5.67	ppb		91
50) Benzene	5.86	78	29544	5.26	ppb		93
51) TCE	6.63	95	7949	5.12	ppb	#	83
52) 2-Pentanone	6.90	43	72614	100.83	ppb		94

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

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\210819\0819M16.D Vial: 6
Acq On : 19 Aug 21 16:58 Operator: LP,DG,CH
Sample : 5ug/L VOC STD 8/19/21 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Aug 20 12:18 2021 Quant Results File: M0819W.RES

Quant Method : M:\MAX\DATA\210819\M0819W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Aug 20 12:18:10 2021
Response via : Initial Calibration
DataAcq Meth : M8260_081021

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
53)	1,2-Dichloropropane	6.89	63	3388	5.08	ppb		98
54)	Bromodichloromethane	7.20	83	11073	4.96	ppb		92
55)	Methyl Cyclohexane	6.82	83	10925	5.27	ppb		98
56)	Dibromomethane	7.00	93	4487	5.05	ppb		80
57)	MIBK (methyl isobutyl ket	7.89	43	38118	39.95	ppb		99
58)	1-Bromo-2-chloroethane	7.51	144	1805	5.37	ppb		95
60)	Cis-1,3-Dichloropropene	7.69	39	7257	5.35	ppb	#	89
61)	Toluene	8.02	91	30791	5.01	ppb		96
62)	Trans-1,3-Dichloropropene	8.28	75	13215	5.75	ppb		96
63)	1,1,2-TCA	8.46	83	5329	5.22	ppb		89
64)	2-Hexanone	8.75	43	24263	39.13	ppb		96
67)	1,2-EDB	8.94	107	6757	5.17	ppb		83
68)	Tetrachloroethene	8.57	164	7188	5.73	ppb		88
69)	1-Chlorohexane	9.45	91	8561	5.25	ppb		95
70)	1,1,1,2-Tetrachloroethane	9.54	131	10143	5.13	ppb		97
71)	m&p-Xylene	9.69	106	32107	10.76	ppb		99
72)	o-Xylene	10.08	106	17334	5.54	ppb		87
73)	Styrene	10.10	104	24432	5.14	ppb	#	95
75)	1,3-Dichloropropane	8.62	76	10807	5.10	ppb		96
76)	Dibromochloromethane	8.84	129	10430	5.43	ppb		76
77)	Chlorobenzene	9.44	112	22743	5.11	ppb		95
78)	Ethylbenzene	9.57	91	38747	5.52	ppb		96
79)	Bromoform	10.27	173	7417	4.85	ppb		92
81)	Isopropylbenzene	10.46	105	40894	5.21	ppb		97
82)	1,1,2,2-Tetrachloroethane	10.77	83	7377	5.25	ppb		90
83)	1,2,3-Trichloropropane	10.80	110	3178	5.15	ppb		95
84)	t-1,4-Dichloro-2-Butene	10.83	53	1433	4.46	ppb		93
85)	Bromobenzene	10.74	156	13124	5.19	ppb		94
86)	n-Propylbenzene	10.86	91	39884	4.95	ppb		94
87)	4-Ethyltoluene	10.98	105	39274	5.12	ppb		99
88)	2-Chlorotoluene	10.94	91	30696	5.48	ppb		97
89)	1,3,5-Trimethylbenzene	11.05	105	35932	5.31	ppb		98
90)	4-Chlorotoluene	11.05	91	32311	5.26	ppb		100
91)	Tert-Butylbenzene	11.37	119	20664	5.15	ppb		99
92)	1,2,4-Trimethylbenzene	11.41	105	35902	5.22	ppb		96
93)	Sec-Butylbenzene	11.58	105	40234	5.30	ppb		98
94)	p-Isopropyltoluene	11.74	119	37389	5.25	ppb		98
95)	Benzyl Chloride	11.92	91	10778	5.17	ppb		97
96)	1,3-DCB	11.77	146	22863	5.17	ppb		94
97)	1,4-DCB	11.68	146	23272	5.09	ppb		96
98)	n-Butylbenzene	12.14	91	23029	4.94	ppb		99
99)	1,2-DCB	12.14	146	23345	5.22	ppb		96
100)	Hexachloroethane	12.38	117	6687	5.11	ppb		76
101)	1,2-Dibromo-3-chloropropan	12.92	157	2135	5.63	ppb		94
102)	1,2,4-Trichlorobenzene	13.74	180	11722	4.98	ppb	#	79
103)	Hexachlorobutadiene	13.92	225	9059	5.65	ppb		95
104)	Naphthalene	13.99	128	8367	6.07	ppb		97
105)	1,2,3-Trichlorobenzene	14.23	180	9741	5.52	ppb		95

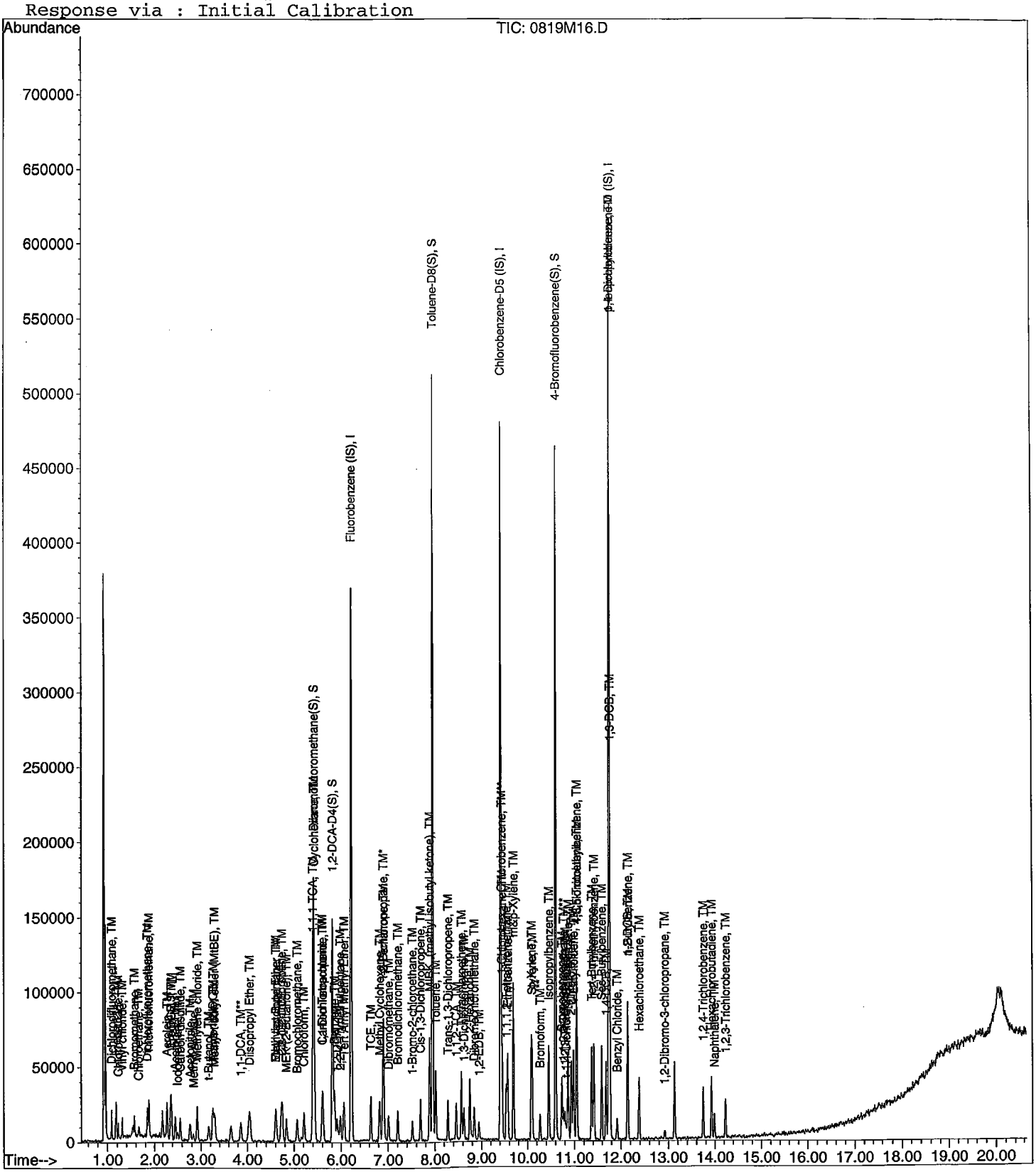
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\MAX\DATA\210819\0819M16.D Vial: 6
Acq On : 19 Aug 21 16:58 Operator: LP,DG,CH
Sample : 5ug/L VOC STD 8/19/21 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Aug 20 12:18 2021 Quant Results File: M0819W.RES

Method : M:\MAX\DATA\210819\M0819W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Sep 17 15:19:33 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\210819\0819M17.D Vial: 7
Acq On : 19 Aug 21 17:26 Operator: LP,DG,CH
Sample : 10ug/L VOC STD 8/19/21 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Aug 20 12:18 2021 Quant Results File: M0819W.RES

Quant Method : M:\MAX\DATA\210819\M0819W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Aug 20 12:18:10 2021
Response via : Initial Calibration
DataAcq Meth : M8260_081021

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.21	96	337314	25.00	ppb	0.00
65) Chlorobenzene-D5 (IS)	9.41	117	274665	25.00	ppb	0.00
80) 1,4-Dichlorobenzene-D (IS)	11.75	152	172658	25.00	ppb	0.00
System Monitoring Compounds						
41) Dibromofluoromethane(S)	5.41	111	96005	24.65	ppb	0.00
Spiked Amount 25.000			Recovery = 98.596%			
46) 1,2-DCA-D4(S)	5.81	65	59064	24.14	ppb	0.00
Spiked Amount 25.000			Recovery = 96.576%			
66) Toluene-D8(S)	7.95	98	322396	24.95	ppb	0.00
Spiked Amount 25.000			Recovery = 99.792%			
74) 4-Bromofluorobenzene(S)	10.60	95	126667	24.96	ppb	0.00
Spiked Amount 25.000			Recovery = 99.860%			
Target Compounds						Qvalue
3) Dichlorodifluoromethane	1.09	85	18004	9.36	ppb	100
4) Freon 114	1.18	85	10039	8.75	ppb	100
5) Chloromethane	1.22	50	11170	9.12	ppb	100
6) Vinyl chloride	1.31	62	13149	9.59	ppb	100
8) Bromomethane	1.56	94	7291	8.28	ppb	100
9) Chloroethane	1.66	64	6655	10.53	ppb	100
10) Dichlorofluoromethane	1.84	67	23787	9.30	ppb	100
11) Trichlorofluoromethane	1.88	101	30145	10.12	ppb	100
13) Acrolein	2.29	56	21477	130.89	ppb	100
14) Acetone	2.46	43	18966	51.30	ppb	100
15) Freon-113	2.38	151	12249	8.39	ppb	100
16) Acetonitrile	2.76	41	14612	124.53	ppb	100
19) 1,1-DCE	2.36	61	18684	9.36	ppb	100
20) t-Butanol	3.16	59	16223	129.75	ppb	100
21) Methyl Acetate	2.83	43	7915	10.63	ppb	100
22) Iodomethane	2.51	142	10608	9.86	ppb	100
23) Acrylonitrile	3.25	53	4169	9.65	ppb	100
25) Methylene chloride	2.92	84	14156	9.01	ppb	100
26) Carbon disulfide	2.56	76	16352	8.41	ppb	100
27) Methyl t-butyl ether (MtBE	3.29	73	47607	9.99	ppb	100
28) Trans-1,2-DCE	3.25	96	14368	9.13	ppb	100
31) Diisopropyl Ether	4.05	45	34657	9.63	ppb	100
32) 1,1-DCA	3.86	63	23766	9.48	ppb	100
34) Ethyl tert Butyl Ether	4.60	59	40044	9.45	ppb	100
35) Methylcyclopentane	4.61	56	1876	10.30	ppb	100
36) MEK (2-Butanone)	4.83	43	25768	56.08	ppb	100
37) Cis-1,2-DCE	4.75	96	16705	9.78	ppb	100
38) 2,2-Dichloropropane	4.72	77	26344	9.05	ppb	100
39) Chloroform	5.21	83	28272	9.30	ppb	100
40) Bromochloromethane	5.07	130	11799	9.36	ppb	100
42) 1,1,1-TCA	5.39	97	28216	8.95	ppb	100
43) Cyclohexane	5.44	41	8764	8.87	ppb	100
44) 1,1-Dichloropropene	5.61	75	16981	9.03	ppb	100
45) 2,2,4-Trimethylpentane	5.99	57	26743	8.68	ppb	100
47) Carbon Tetrachloride	5.59	117	25150	9.10	ppb	100
48) Tert Amyl Methyl Ether	6.06	73	40461	9.07	ppb	100
49) 1,2-DCA	5.91	62	22777	9.67	ppb	100
50) Benzene	5.86	78	52024	9.12	ppb	100
51) TCE	6.63	95	14171	8.99	ppb	100
52) 2-Pentanone	6.90	43	94573	129.30	ppb	100

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

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\210819\0819M17.D Vial: 7
Acq On : 19 Aug 21 17:26 Operator: LP,DG,CH
Sample : 10ug/L VOC STD 8/19/21 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Aug 20 12:18 2021 Quant Results File: M0819W.RES

Quant Method : M:\MAX\DATA\210819\M0819W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Aug 20 12:18:10 2021
Response via : Initial Calibration
DataAcq Meth : M8260_081021

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
53)	1,2-Dichloropropane	6.88	63	6600	9.74 ppb	100
54)	Bromodichloromethane	7.20	83	21939	9.67 ppb	100
55)	Methyl Cyclohexane	6.82	83	17203	8.17 ppb	100
56)	Dibromomethane	7.00	93	8911	9.87 ppb	100
57)	MIBK (methyl isobutyl ket	7.89	43	48145	49.68 ppb	100
58)	1-Bromo-2-chloroethane	7.52	144	3428	10.05 ppb	100
60)	Cis-1,3-Dichloropropene	7.69	39	12919	9.37 ppb	100
61)	Toluene	8.02	91	56902	9.11 ppb	100
62)	Trans-1,3-Dichloropropene	8.28	75	22602	9.68 ppb	100
63)	1,1,2-TCA	8.46	83	9312	8.99 ppb	100
64)	2-Hexanone	8.75	43	32353	51.71 ppb	100
67)	1,2-EDB	8.94	107	13588	10.18 ppb	100
68)	Tetrachloroethene	8.57	164	11916	9.59 ppb	100
69)	1-Chlorohexane	9.45	91	14607	8.78 ppb	100
70)	1,1,1,2-Tetrachloroethane	9.53	131	18618	9.23 ppb	100
71)	m&p-Xylene	9.69	106	57156	18.78 ppb	100
72)	o-Xylene	10.08	106	28834	9.04 ppb	100
73)	Styrene	10.10	104	45599	9.40 ppb	100
75)	1,3-Dichloropropane	8.62	76	21065	9.75 ppb	100
76)	Dibromochloromethane	8.84	129	18339	9.35 ppb	100
77)	Chlorobenzene	9.44	112	43674	9.61 ppb	100
78)	Ethylbenzene	9.57	91	65021	9.09 ppb	100
79)	Bromoform	10.27	173	15579	9.99 ppb	100
81)	Isopropylbenzene	10.45	105	76615	9.72 ppb	100
82)	1,1,2,2-Tetrachloroethane	10.77	83	12761	9.04 ppb	100
83)	1,2,3-Trichloropropane	10.80	110	5975	9.65 ppb	100
84)	t-1,4-Dichloro-2-Butene	10.83	53	3236	10.04 ppb	100
85)	Bromobenzene	10.73	156	24976	9.84 ppb	100
86)	n-Propylbenzene	10.86	91	71863	8.87 ppb	100
87)	4-Ethyltoluene	10.98	105	71057	9.23 ppb	100
88)	2-Chlorotoluene	10.93	91	56146	9.98 ppb	100
89)	1,3,5-Trimethylbenzene	11.05	105	63097	9.28 ppb	100
90)	4-Chlorotoluene	11.05	91	57135	9.26 ppb	100
91)	Tert-Butylbenzene	11.37	119	38104	9.46 ppb	100
92)	1,2,4-Trimethylbenzene	11.41	105	64322	9.31 ppb	100
93)	Sec-Butylbenzene	11.59	105	70922	9.29 ppb	100
94)	p-Isopropyltoluene	11.74	119	68491	9.58 ppb	100
95)	Benzyl Chloride	11.92	91	18900	9.02 ppb	100
96)	1,3-DCB	11.77	146	41914	9.45 ppb	100
97)	1,4-DCB	11.68	146	41579	9.05 ppb	100
98)	n-Butylbenzene	12.14	91	43145	9.21 ppb	100
99)	1,2-DCB	12.14	146	41969	9.34 ppb	100
100)	Hexachloroethane	12.38	117	11322	8.62 ppb	100
101)	1,2-Dibromo-3-chloropropan	12.92	157	3767	8.61 ppb	100
102)	1,2,4-Trichlorobenzene	13.74	180	23023	9.73 ppb	100
103)	Hexachlorobutadiene	13.92	225	15678	9.73 ppb	100
104)	Naphthalene	13.99	128	18104	8.76 ppb	100
105)	1,2,3-Trichlorobenzene	14.23	180	18287	8.10 ppb	100

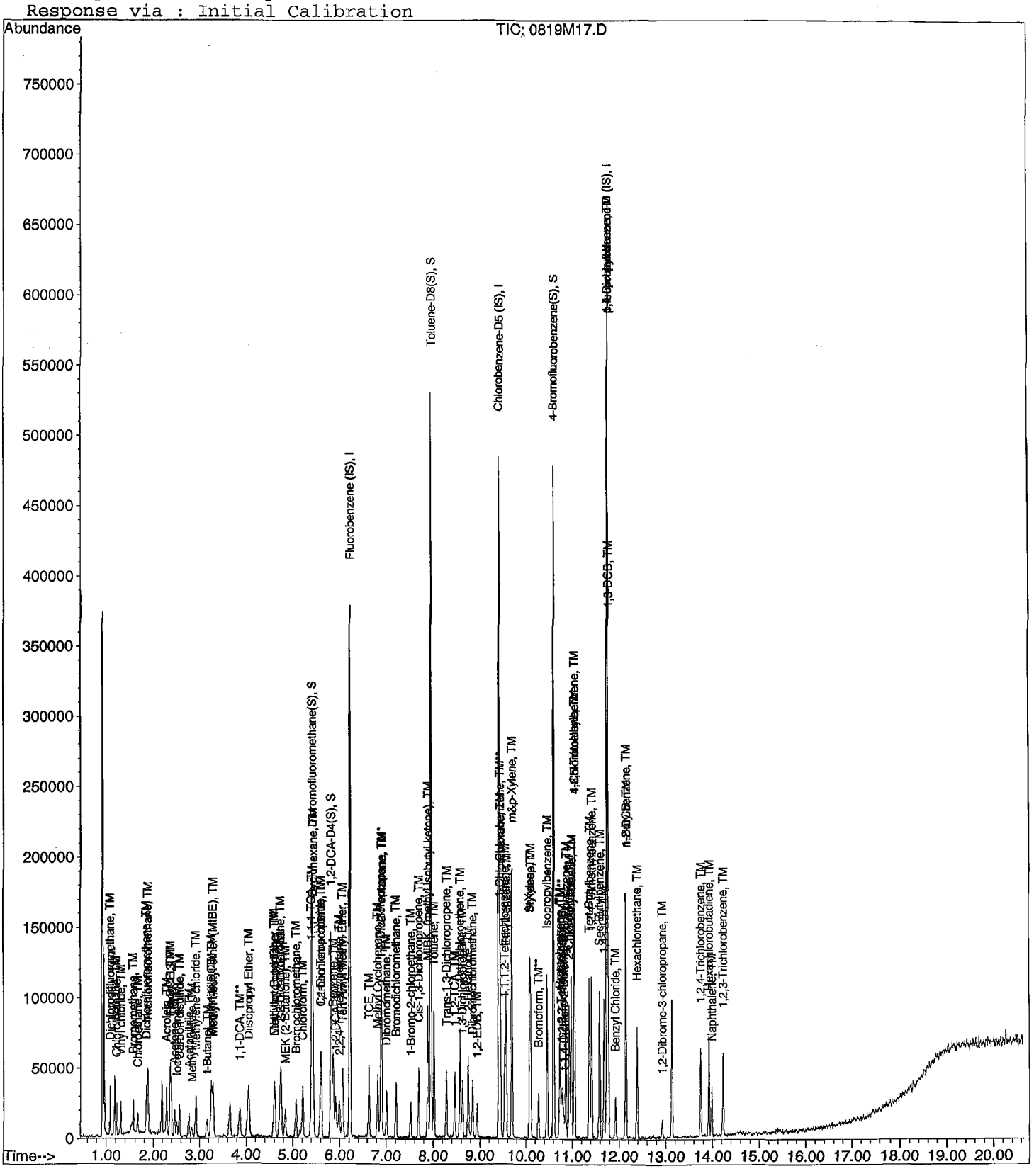
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\MAX\DATA\210819\0819M17.D Vial: 7
Acq On : 19 Aug 21 17:26 Operator: LP,DG,CH
Sample : 10ug/L VOC STD 8/19/21 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Aug 20 12:18 2021 Quant Results File: M0819W.RES

Method : M:\MAX\DATA\210819\M0819W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Sep 17 15:19:33 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\210819\0819M18.D Vial: 8
Acq On : 19 Aug 21 17:54 Operator: LP,DG,CH
Sample : 20ug/L VOC STD 8/19/21 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Aug 20 12:11 2021 Quant Results File: M0819W.RES

Quant Method : M:\MAX\DATA\210819\M0819W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Aug 20 12:09:55 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	327163	25.00	ppb		0.00
65) Chlorobenzene-D5 (IS)	9.41	117	271873	25.00	ppb		0.00
80) 1,4-Dichlorobenzene-D (IS)	11.75	152	168645	25.00	ppb		0.00
System Monitoring Compounds							
41) Dibromofluoromethane(S)	5.41	111	189900	50.27	ppb		0.00
Spiked Amount 25.000			Recovery =	201.080%			
46) 1,2-DCA-D4(S)	5.81	65	117552	49.54	ppb		0.00
Spiked Amount 25.000			Recovery =	198.176%			
66) Toluene-D8(S)	7.95	98	627174	49.03	ppb		0.00
Spiked Amount 25.000			Recovery =	196.128%			
74) 4-Bromofluorobenzene(S)	10.60	95	247752	49.33	ppb		0.00
Spiked Amount 25.000			Recovery =	197.324%			
Target Compounds							Qvalue
3) Dichlorodifluoromethane	1.08	85	34864	18.70	ppb		98
4) Freon 114	1.18	85	21969	19.74	ppb		99
5) Chloromethane	1.22	50	23413	19.70	ppb		91
6) Vinyl chloride	1.31	62	26066	19.60	ppb		85
8) Bromomethane	1.56	94	16960	19.87	ppb		89
9) Chloroethane	1.66	64	11611	19.65	ppb	#	79
10) Dichlorofluoromethane	1.84	67	47595	19.18	ppb		92
11) Trichlorofluoromethane	1.88	101	60858	21.06	ppb		96
13) Acrolein	2.29	56	23424	147.19	ppb		98
14) Acetone	2.46	43	21954	62.65	ppb		99
15) Freon-113	2.39	151	27088	19.13	ppb		96
16) Acetonitrile	2.76	41	17467	153.48	ppb	#	90
19) 1,1-DCE	2.36	61	38149	19.70	ppb		94
20) t-Butanol	3.16	59	19249	158.72	ppb		99
21) Methyl Acetate	2.83	43	13162	18.66	ppb		87
22) Iodomethane	2.51	142	23943	22.94	ppb		95
23) Acrylonitrile	3.26	53	9288	22.77	ppb		95
25) Methylene chloride	2.91	84	26443	19.50	ppb		89
26) Carbon disulfide	2.56	76	38576	20.82	ppb	#	94
27) Methyl t-butyl ether (MtBE	3.29	73	92042	19.91	ppb		97
28) Trans-1,2-DCE	3.25	96	27009	17.69	ppb		95
31) Diisopropyl Ether	4.05	45	68091	19.51	ppb		99
32) 1,1-DCA	3.86	63	46159	18.98	ppb	#	97
34) Ethyl tert Butyl Ether	4.60	59	87752	21.34	ppb		92
35) Methylcyclopentane	4.60	56	3886	21.71	ppb		100
36) MEK (2-Butanone)	4.83	43	25474	57.16	ppb		90
37) Cis-1,2-DCE	4.74	96	32683	19.73	ppb		92
38) 2,2-Dichloropropane	4.72	77	55148	19.52	ppb	#	92
39) Chloroform	5.21	83	56720	19.25	ppb		98
40) Bromochloromethane	5.06	130	25086	20.51	ppb		96
42) 1,1,1-TCA	5.40	97	60951	19.94	ppb		98
43) Cyclohexane	5.43	41	19354	20.20	ppb		84
44) 1,1-Dichloropropene	5.61	75	35570	19.49	ppb		96
45) 2,2,4-Trimethylpentane	5.98	57	58778	19.68	ppb		89
47) Carbon Tetrachloride	5.59	117	52547	19.60	ppb		99
48) Tert Amyl Methyl Ether	6.06	73	83754	19.36	ppb		98
49) 1,2-DCA	5.91	62	49465	21.65	ppb		95
50) Benzene	5.86	78	105142	19.01	ppb		99
51) TCE	6.63	95	31155	20.37	ppb		88
52) 2-Pentanone	6.90	43	106467	150.07	ppb		97

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

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\210819\0819M18.D Vial: 8
Acq On : 19 Aug 21 17:54 Operator: LP,DG,CH
Sample : 20ug/L VOC STD 8/19/21 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Aug 20 12:11 2021 Quant Results File: M0819W.RES

Quant Method : M:\MAX\DATA\210819\M0819W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Aug 20 12:09:55 2021
Response via : Initial Calibration
DataAcq Meth : M8260_081021

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
53)	1,2-Dichloropropane	6.88	63	13887	21.12	ppb		97
54)	Bromodichloromethane	7.20	83	45697	20.78	ppb		94
55)	Methyl Cyclohexane	6.82	83	39809	19.50	ppb		92
56)	Dibromomethane	7.01	93	19022	21.72	ppb		90
57)	MIBK (methyl isobutyl ket	7.89	43	55358	58.90	ppb		96
58)	1-Bromo-2-chloroethane	7.52	144	6619	20.00	ppb		82
60)	Cis-1,3-Dichloropropene	7.69	39	25825	19.32	ppb	#	86
61)	Toluene	8.02	91	117290	19.36	ppb		97
62)	Trans-1,3-Dichloropropene	8.28	75	44523	19.67	ppb		99
63)	1,1,2-TCA	8.46	83	19763	19.67	ppb		95
64)	2-Hexanone	8.75	43	36836	60.88	ppb		94
67)	1,2-EDB	8.94	107	27231	20.62	ppb		88
68)	Tetrachloroethene	8.57	164	23232	19.34	ppb		94
69)	1-Chlorohexane	9.45	91	31490	19.13	ppb		95
70)	1,1,1,2-Tetrachloroethane	9.53	131	38752	19.41	ppb		85
71)	m&p-Xylene	9.69	106	118054	39.18	ppb		98
72)	o-Xylene	10.08	106	61184	19.38	ppb		95
73)	Styrene	10.10	104	92657	19.30	ppb		98
75)	1,3-Dichloropropane	8.62	76	41658	19.48	ppb		96
76)	Dibromochloromethane	8.84	129	38163	19.66	ppb		85
77)	Chlorobenzene	9.44	112	91022	20.24	ppb		97
78)	Ethylbenzene	9.57	91	136733	19.30	ppb		100
79)	Bromoform	10.27	173	30914	20.02	ppb		90
81)	Isopropylbenzene	10.46	105	151001	19.61	ppb		100
82)	1,1,2,2-Tetrachloroethane	10.77	83	25655	18.61	ppb		94
83)	1,2,3-Trichloropropane	10.80	110	12003	19.84	ppb		85
84)	t-1,4-Dichloro-2-Butene	10.83	53	7349	23.34	ppb		91
85)	Bromobenzene	10.73	156	47807	19.28	ppb		97
86)	n-Propylbenzene	10.86	91	157225	19.87	ppb		98
87)	4-Ethyltoluene	10.98	105	147482	19.61	ppb		98
88)	2-Chlorotoluene	10.94	91	103532	18.83	ppb		99
89)	1,3,5-Trimethylbenzene	11.05	105	132142	19.89	ppb		95
90)	4-Chlorotoluene	11.05	91	119134	19.76	ppb		99
91)	Tert-Butylbenzene	11.37	119	80696	20.52	ppb		99
92)	1,2,4-Trimethylbenzene	11.41	105	133037	19.71	ppb		92
93)	Sec-Butylbenzene	11.59	105	155195	20.82	ppb		95
94)	p-Isopropyltoluene	11.74	119	148286	21.23	ppb		97
95)	Benzyl Chloride	11.92	91	41351	20.21	ppb		94
96)	1,3-DCB	11.77	146	89503	20.65	ppb		92
97)	1,4-DCB	11.68	146	90147	20.09	ppb		95
98)	n-Butylbenzene	12.14	91	97894	21.39	ppb		95
99)	1,2-DCB	12.14	146	86841	19.79	ppb		98
100)	Hexachloroethane	12.38	117	26711	20.81	ppb		78
101)	1,2-Dibromo-3-chloropropan	12.92	157	8373	17.43	ppb	#	85
102)	1,2,4-Trichlorobenzene	13.74	180	56951	24.65	ppb		93
103)	Hexachlorobutadiene	13.92	225	34161	21.71	ppb		93
104)	Naphthalene	13.98	128	45280	16.62	ppb		93
105)	1,2,3-Trichlorobenzene	14.23	180	48550	17.60	ppb		97

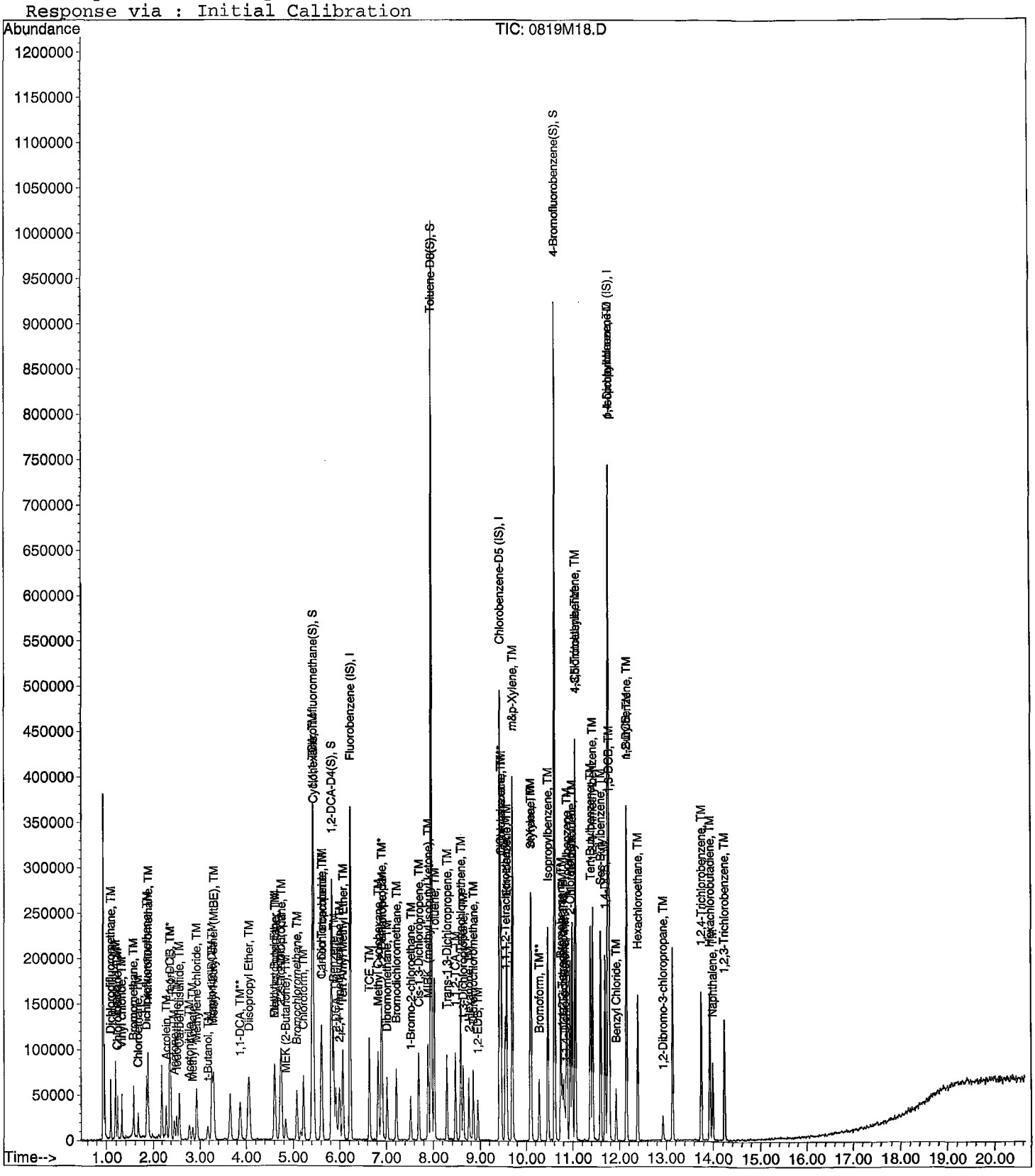
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\MAX\DATA\210819\0819M18.D Vial: 8
Acq On : 19 Aug 21 17:54 Operator: LP,DG,CH
Sample : 20ug/L VOC STD 8/19/21 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Aug 20 12:11 2021 Quant Results File: M0819W.RES

Method : M:\MAX\DATA\210819\M0819W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Sep 17 15:19:33 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\210819\0819M19.D Vial: 9
Acq On : 19 Aug 21 18:22 Operator: LP,DG,CH
Sample : 40ug/L VOC STD 8/19/21 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Aug 20 12:11 2021 Quant Results File: M0819W.RES

Quant Method : M:\MAX\DATA\210819\M0819W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Aug 20 12:09:55 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	333698	25.00	ppb		0.00
65) Chlorobenzene-D5 (IS)	9.41	117	278290	25.00	ppb		0.00
80) 1,4-Dichlorobenzene-D (IS)	11.75	152	172577	25.00	ppb		0.00
System Monitoring Compounds							
41) Dibromofluoromethane(S)	5.42	111	184921	47.99	ppb		0.00
Spiked Amount 25.000			Recovery = 191.972%				
46) 1,2-DCA-D4(S)	5.81	65	111304	45.99	ppb		0.00
Spiked Amount 25.000			Recovery = 183.968%				
66) Toluene-D8(S)	7.95	98	627799	47.95	ppb		0.00
Spiked Amount 25.000			Recovery = 191.796%				
74) 4-Bromofluorobenzene(S)	10.60	95	247098	48.07	ppb		0.00
Spiked Amount 25.000			Recovery = 192.264%				
Target Compounds							Qvalue
3) Dichlorodifluoromethane	1.09	85	72600	38.17	ppb		98
4) Freon 114	1.18	85	47375	41.73	ppb		99
5) Chloromethane	1.22	50	43837	36.17	ppb		90
6) Vinyl chloride	1.31	62	51164	37.71	ppb		87
8) Bromomethane	1.56	94	34024	39.08	ppb		94
9) Chloroethane	1.65	64	23883	40.54	ppb	#	81
10) Dichlorofluoromethane	1.84	67	97036	38.34	ppb		98
11) Trichlorofluoromethane	1.87	101	114202	38.75	ppb		90
13) Acrolein	2.29	56	29328	180.68	ppb		95
14) Acetone	2.46	43	27157	77.54	ppb		98
15) Freon-113	2.38	151	58574	40.56	ppb		92
16) Acetonitrile	2.77	41	19835	170.87	ppb	#	87
19) 1,1-DCE	2.36	61	76468	38.71	ppb		96
20) t-Butanol	3.17	59	21328	172.42	ppb	#	90
21) Methyl Acetate	2.83	43	28207	39.90	ppb		83
22) Iodomethane	2.51	142	56687	53.25	ppb		99
23) Acrylonitrile	3.25	53	16136	39.10	ppb		94
25) Methylene chloride	2.92	84	52579	40.21	ppb		97
26) Carbon disulfide	2.56	76	76864	40.90	ppb		96
27) Methyl t-butyl ether (MtBE	3.29	73	177904	37.73	ppb		99
28) Trans-1,2-DCE	3.25	96	57372	36.84	ppb		97
31) Diisopropyl Ether	4.05	45	139897	39.29	ppb		96
32) 1,1-DCA	3.86	63	94891	38.26	ppb	#	97
34) Ethyl tert Butyl Ether	4.60	59	165133	39.37	ppb		99
35) Methylcyclopentane	4.60	56	7181	39.12	ppb		100
36) MEK (2-Butanone)	4.83	43	35091	77.20	ppb		98
37) Cis-1,2-DCE	4.74	96	65180	38.57	ppb		91
38) 2,2-Dichloropropane	4.73	77	106167	36.85	ppb		95
39) Chloroform	5.21	83	115052	38.27	ppb		98
40) Bromochloromethane	5.06	130	51375	41.18	ppb		94
42) 1,1,1-TCA	5.39	97	122815	39.38	ppb		98
43) Cyclohexane	5.44	41	37606	38.48	ppb		98
44) 1,1-Dichloropropene	5.61	75	72519	38.97	ppb		95
45) 2,2,4-Trimethylpentane	5.98	57	120837	39.66	ppb		89
47) Carbon Tetrachloride	5.59	117	112432	41.13	ppb		96
48) Tert Amyl Methyl Ether	6.06	73	160732	36.44	ppb		99
49) 1,2-DCA	5.91	62	96972	41.61	ppb		94
50) Benzene	5.86	78	214477	38.02	ppb		98
51) TCE	6.63	95	62804	40.26	ppb		86
52) 2-Pentanone	6.90	43	121480	167.88	ppb		95

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

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\210819\0819M19.D Vial: 9
Acq On : 19 Aug 21 18:22 Operator: LP,DG,CH
Sample : 40ug/L VOC STD 8/19/21 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Aug 20 12:11 2021 Quant Results File: M0819W.RES

Quant Method : M:\MAX\DATA\210819\M0819W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Aug 20 12:09:55 2021
Response via : Initial Calibration
DataAcq Meth : M8260_081021

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
53)	1,2-Dichloropropane	6.88	63	27144	40.48	ppb		94
54)	Bromodichloromethane	7.20	83	91882	40.95	ppb		98
55)	Methyl Cyclohexane	6.82	83	82616	39.68	ppb		97
56)	Dibromomethane	7.01	93	37263	41.71	ppb		87
57)	MIBK (methyl isobutyl ket	7.89	43	70731	73.78	ppb		98
58)	1-Bromo-2-chloroethane	7.52	144	12896	38.20	ppb	#	74
60)	Cis-1,3-Dichloropropene	7.69	39	52732	38.67	ppb	#	91
61)	Toluene	8.02	91	239261	38.72	ppb		98
62)	Trans-1,3-Dichloropropene	8.28	75	90291	39.10	ppb		99
63)	1,1,2-TCA	8.46	83	38964	38.01	ppb	#	85
64)	2-Hexanone	8.75	43	48529	78.94	ppb		96
67)	1,2-EDB	8.94	107	53788	39.78	ppb		93
68)	Tetrachloroethene	8.57	164	49664	40.90	ppb		95
69)	1-Chlorohexane	9.45	91	68255	40.51	ppb		98
70)	1,1,1,2-Tetrachloroethane	9.53	131	77864	38.11	ppb		91
71)	m&p-Xylene	9.69	106	237189	76.91	ppb		96
72)	o-Xylene	10.08	106	122407	37.87	ppb		95
73)	Styrene	10.10	104	193267	39.34	ppb		96
75)	1,3-Dichloropropane	8.62	76	83842	38.30	ppb		98
76)	Dibromochloromethane	8.84	129	80101	40.31	ppb		86
77)	Chlorobenzene	9.44	112	183849	39.93	ppb		97
78)	Ethylbenzene	9.57	91	283697	39.13	ppb		99
79)	Bromoform	10.27	173	60960	38.56	ppb		95
81)	Isopropylbenzene	10.45	105	312790	39.70	ppb		99
82)	1,1,2,2-Tetrachloroethane	10.77	83	54214	38.43	ppb		100
83)	1,2,3-Trichloropropane	10.80	110	24043	38.84	ppb		99
84)	t-1,4-Dichloro-2-Butene	10.83	53	13915	43.19	ppb		97
85)	Bromobenzene	10.73	156	97770	38.53	ppb		99
86)	n-Propylbenzene	10.86	91	320773	39.62	ppb		100
87)	4-Ethyltoluene	10.98	105	300901	39.11	ppb		99
88)	2-Chlorotoluene	10.94	91	236346	42.01	ppb		96
89)	1,3,5-Trimethylbenzene	11.05	105	266981	39.28	ppb		99
90)	4-Chlorotoluene	11.05	91	232829	37.74	ppb		99
91)	Tert-Butylbenzene	11.37	119	160320	39.84	ppb		97
92)	1,2,4-Trimethylbenzene	11.41	105	270618	39.19	ppb		96
93)	Sec-Butylbenzene	11.58	105	313518	41.11	ppb		97
94)	p-Isopropyltoluene	11.74	119	305663	42.76	ppb		99
95)	Benzyl Chloride	11.92	91	77126	36.84	ppb		95
96)	1,3-DCB	11.77	146	177083	39.93	ppb		93
97)	1,4-DCB	11.68	146	176199	38.37	ppb		93
98)	n-Butylbenzene	12.14	91	205683	43.92	ppb		99
99)	1,2-DCB	12.14	146	172446	38.40	ppb		96
100)	Hexachloroethane	12.38	117	52421	39.91	ppb		88
101)	1,2-Dibromo-3-chloropropan	12.92	157	19120	36.81	ppb	#	89
102)	1,2,4-Trichlorobenzene	13.74	180	124043	52.46	ppb		96
103)	Hexachlorobutadiene	13.92	225	79328	49.26	ppb		96
104)	Naphthalene	13.99	128	114664	35.61	ppb		95
105)	1,2,3-Trichlorobenzene	14.23	180	110532	36.01	ppb		98

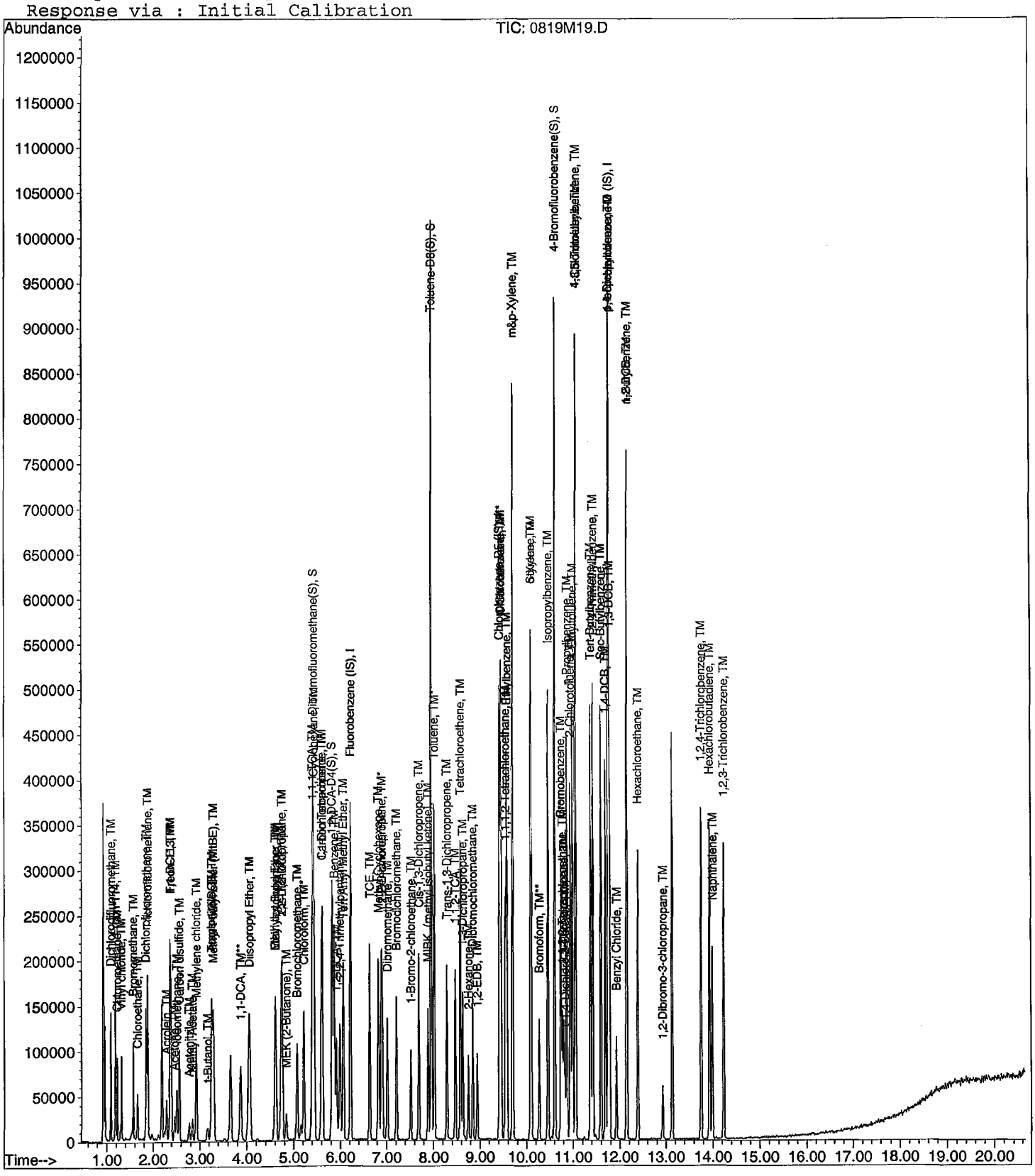
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\MAX\DATA\210819\0819M19.D Vial: 9
Acq On : 19 Aug 21 18:22 Operator: LP,DG,CH
Sample : 40ug/L VOC STD 8/19/21 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Aug 20 12:11 2021 Quant Results File: M0819W.RES

Method : M:\MAX\DATA\210819\M0819W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Sep 17 15:19:33 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\210819\0819M20.D Vial: 10
Acq On : 19 Aug 21 18:50 Operator: LP,DG,CH
Sample : 100ug/L VOC STD 8/19/21 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Aug 20 12:11 2021 Quant Results File: M0819W.RES

Quant Method : M:\MAX\DATA\210819\M0819W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Aug 20 12:09:55 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	328930	25.00	ppb		0.00
65) Chlorobenzene-D5 (IS)	9.41	117	275648	25.00	ppb		0.00
80) 1,4-Dichlorobenzene-D (IS)	11.75	152	174249	25.00	ppb		0.00
System Monitoring Compounds							
41) Dibromofluoromethane(S)	5.41	111	343854	90.54	ppb		0.00
Spiked Amount 25.000			Recovery = 362.140%				
46) 1,2-DCA-D4(S)	5.81	65	214080	89.74	ppb		0.00
Spiked Amount 25.000			Recovery = 358.972%				
66) Toluene-D8(S)	7.95	98	1165201	89.85	ppb		0.00
Spiked Amount 25.000			Recovery = 359.388%				
74) 4-Bromofluorobenzene(S)	10.60	95	450720	88.52	ppb		0.00
Spiked Amount 25.000			Recovery = 354.060%				
Target Compounds							Qvalue
3) Dichlorodifluoromethane	1.08	85	179694	95.85	ppb		98
4) Freon 114	1.18	85	112015	100.10	ppb		97
5) Chloromethane	1.22	50	116546	97.56	ppb		97
6) Vinyl chloride	1.31	62	126396	94.52	ppb		88
8) Bromomethane	1.56	94	86040	100.25	ppb		90
9) Chloroethane	1.65	64	57220	99.82	ppb	#	85
10) Dichlorofluoromethane	1.84	67	237084	95.03	ppb		94
11) Trichlorofluoromethane	1.87	101	283920	97.73	ppb		93
13) Acrolein	2.29	56	29702	185.63	ppb		95
14) Acetone	2.46	43	33552	99.05	ppb		98
15) Freon-113	2.38	151	140050	98.39	ppb		98
16) Acetonitrile	2.77	41	21934	191.69	ppb	#	85
19) 1,1-DCE	2.36	61	186211	95.63	ppb	#	94
20) t-Butanol	3.18	59	23950	196.43	ppb		96
21) Methyl Acetate	2.83	43	69204	100.23	ppb		93
22) Iodomethane	2.50	142	158950	151.48	ppb		95
23) Acrylonitrile	3.25	53	40334	99.87	ppb		90
25) Methylene chloride	2.92	84	124802	100.08	ppb		95
26) Carbon disulfide	2.56	76	183872	99.61	ppb		95
27) Methyl t-butyl ether (MtBE	3.29	73	429132	92.32	ppb		100
28) Trans-1,2-DCE	3.25	96	141013	91.85	ppb		98
31) Diisopropyl Ether	4.05	45	339501	96.73	ppb		99
32) 1,1-DCA	3.86	63	228972	93.66	ppb		95
34) Ethyl tert Butyl Ether	4.60	59	407157	98.49	ppb		98
35) Methylcyclopentane	4.61	56	13877	76.46	ppb	#	100
36) MEK (2-Butanone)	4.83	43	40632	90.68	ppb		93
37) Cis-1,2-DCE	4.75	96	160848	96.56	ppb		92
38) 2,2-Dichloropropane	4.72	77	256600	90.36	ppb		96
39) Chloroform	5.21	83	288074	97.22	ppb		95
40) Bromochloromethane	5.07	130	119152	96.90	ppb		94
42) 1,1,1-TCA	5.39	97	292497	95.16	ppb		97
43) Cyclohexane	5.43	41	92937	96.47	ppb		96
44) 1,1-Dichloropropene	5.61	75	175119	95.46	ppb		93
45) 2,2,4-Trimethylpentane	5.98	57	294359	98.01	ppb		86
47) Carbon Tetrachloride	5.59	117	264712	98.23	ppb		96
48) Tert Amyl Methyl Ether	6.06	73	384543	88.43	ppb		98
49) 1,2-DCA	5.91	62	236006	102.72	ppb		92
50) Benzene	5.86	78	517458	93.06	ppb		99
51) TCE	6.63	95	151925	98.80	ppb		93
52) 2-Pentanone	6.90	43	129430	181.46	ppb		93

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

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\210819\0819M20.D Vial: 10
Acq On : 19 Aug 21 18:50 Operator: LP,DG,CH
Sample : 100ug/L VOC STD 8/19/21 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Aug 20 12:11 2021 Quant Results File: M0819W.RES

Quant Method : M:\MAX\DATA\210819\M0819W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Aug 20 12:09:55 2021
Response via : Initial Calibration
DataAcq Meth : M8260_081021

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
53)	1,2-Dichloropropane	6.88	63	65480	99.06 ppb		99
54)	Bromodichloromethane	7.20	83	220063	99.51 ppb		95
55)	Methyl Cyclohexane	6.82	83	202626	98.74 ppb		99
56)	Dibromomethane	7.01	93	87637	99.52 ppb		88
57)	MIBK (methyl isobutyl ket	7.89	43	82459	87.26 ppb		98
58)	1-Bromo-2-chloroethane	7.52	144	30420	91.42 ppb	#	72
60)	Cis-1,3-Dichloropropene	7.69	39	125581	93.43 ppb	#	82
61)	Toluene	8.02	91	589005	96.70 ppb		95
62)	Trans-1,3-Dichloropropene	8.28	75	223689	98.27 ppb		100
63)	1,1,2-TCA	8.46	83	89635	88.72 ppb		90
64)	2-Hexanone	8.75	43	60624	100.32 ppb		93
67)	1,2-EDB	8.94	107	133999	100.05 ppb		92
68)	Tetrachloroethene	8.57	164	119240	99.78 ppb		95
69)	1-Chlorohexane	9.45	91	170819	102.35 ppb		99
70)	1,1,1,2-Tetrachloroethane	9.53	131	192103	94.92 ppb		92
71)	m&p-Xylene	9.69	106	583499	191.02 ppb		97
72)	o-Xylene	10.08	106	292246	91.28 ppb		100
73)	Styrene	10.10	104	477063	98.03 ppb		99
75)	1,3-Dichloropropane	8.62	76	202758	93.51 ppb		100
76)	Dibromochloromethane	8.84	129	189457	96.26 ppb		88
77)	Chlorobenzene	9.44	112	447438	98.12 ppb		97
78)	Ethylbenzene	9.57	91	687037	95.66 ppb		99
79)	Bromoform	10.27	173	147814	94.40 ppb		97
81)	Isopropylbenzene	10.45	105	745073	93.65 ppb		100
82)	1,1,2,2-Tetrachloroethane	10.77	83	134683	94.56 ppb		98
83)	1,2,3-Trichloropropane	10.80	110	55198	88.31 ppb		98
84)	t-1,4-Dichloro-2-Butene	10.82	53	35194	108.19 ppb		88
85)	Bromobenzene	10.73	156	236561	92.34 ppb		98
86)	n-Propylbenzene	10.86	91	785208	96.06 ppb		99
87)	4-Ethyltoluene	10.98	105	748560	96.35 ppb		97
88)	2-Chlorotoluene	10.94	91	490541	86.36 ppb		97
89)	1,3,5-Trimethylbenzene	11.05	105	650942	94.84 ppb		99
90)	4-Chlorotoluene	11.05	91	566291	90.91 ppb		98
91)	Tert-Butylbenzene	11.37	119	398080	97.96 ppb		95
92)	1,2,4-Trimethylbenzene	11.41	105	667173	95.69 ppb		98
93)	Sec-Butylbenzene	11.59	105	774695	100.60 ppb		96
94)	p-Isopropyltoluene	11.74	119	764624	105.95 ppb		98
95)	Benzyl Chloride	11.92	91	228340	108.03 ppb		97
96)	1,3-DCB	11.77	146	430312	96.09 ppb		95
97)	1,4-DCB	11.68	146	436673	94.19 ppb		94
98)	n-Butylbenzene	12.14	91	533798	112.88 ppb		99
99)	1,2-DCB	12.14	146	450944	99.46 ppb		98
100)	Hexachloroethane	12.38	117	128323	96.76 ppb		83
101)	1,2-Dibromo-3-chloropropan	12.92	157	55052	101.84 ppb		96
102)	1,2,4-Trichlorobenzene	13.74	180	385322	161.40 ppb		96
103)	Hexachlorobutadiene	13.92	225	218622	134.46 ppb		97
104)	Naphthalene	13.99	128	358400	102.42 ppb		95
105)	1,2,3-Trichlorobenzene	14.23	180	332386	102.18 ppb		98

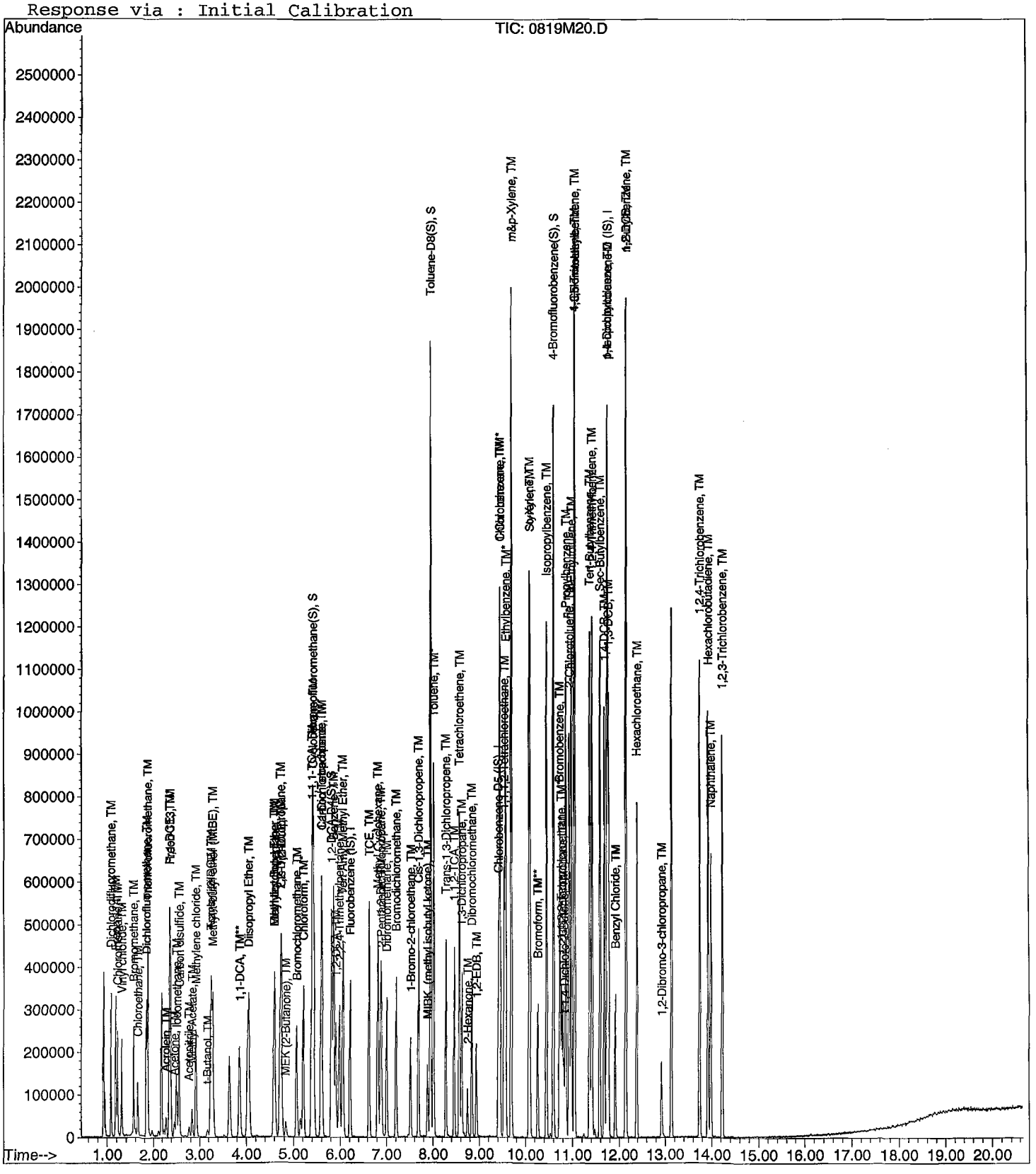
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\MAX\DATA\210819\0819M20.D Vial: 10
Acq On : 19 Aug 21 18:50 Operator: LP,DG,CH
Sample : 100ug/L VOC STD 8/19/21 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Aug 20 12:11 2021 Quant Results File: M0819W.RES

Method : M:\MAX\DATA\210819\M0819W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Sep 17 15:19:33 2021
Response via : Initial Calibration



VOLATILE ORGANIC ANALYSIS BY
EPA METHOD 8260B

Form 7

Second Source Calibration

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

SDG No:
Date Analyzed: 8/19/2021
Instrument: Max
Initial Cal. Date: 8/19/2021
Data File: 0819M22.D

		Compound	MEAN	CCRF	%D		%Drift	
1	TM	Chlorotrifluoroethene	0.0000	0.0103	0.00	TM		
2	TM	Dichlorodifluoromethane	0.1425	0.1434	0.65	TM		
3	TM	Freon 114	0.0851	0.0638	25	TM		*
4	TM**	Chloromethane	0.0908	0.1035	14	TM**		
5	TM*	Vinyl chloride	0.1020	0.1134	11	TM*		
6	TM	2-Chloro-1,1,1-trifluoroethane	0.0000	0.0021	0.00	TM		
7	TM	Bromomethane	0.0652	0.0717	10.0	TM		
8	TML	Chloroethane	0.0536	0.0567	5.9	TML	22	*
9	TM	Dichlorofluoromethane	0.1896	0.1913	0.91	TM		
10	TM	Trichlorofluoromethane	0.2208	0.2234	1.2	TM		
11	TM	2,2-Dichloro-1,1,1-trifluoroethane	0.0000	0.0002	0.00	TM		
12	TM	Acrolein	0.0122	0.0115	5.5	TM		
13	TML	Acetone	0.0323	0.0287	11	TML	5.1	
14	TM	Freon-113	0.1082	0.0874	19	TM		
15	TM	Acetonitrile	0.0087	0.0077	12	TM		
16	TM	2-propanol	0.0000	0.0001	0.00	TM		
17	TM	1,2-Dichlorotrifluoroethane	0.1095	0.1258	15	TM		
18	TM*	1,1-DCE	0.1550	0.1563	0.88	TM*		
19	TM	t-Butanol	0.0093	0.0095	2.2	TM		
20	TML	Methyl Acetate	0.0688	0.0461	33	TML	18	
21	TM	Iodomethane	0.0798	0.0962	21	TM		*
22	TML	Acrylonitrile	0.0310	0.0310	0.02	TML	3.1	
23	TM	2-Methylpentane	0.0000	0.0003	0.00	TM		
24	TML	Methylene chloride	0.3272	0.1309	60	TML	18	
25	TML	Carbon disulfide	0.1629	0.1474	9.5	TML	2.8	
26	TM	Methyl t-butyl ether (MtBE)	0.3717	0.3695	0.58	TM		
27	TM	Trans-1,2-DCE	0.1167	0.1264	8.4	TM		
28	TM	3-Methylpentane	0.0000	0.0719	0.00	TM		
29	TML	Hexane	0.0684	0.0623	8.9	TML	8.8	
30	TM	Diisopropyl Ether	0.2668	0.2880	8.0	TM		
31	TM**	1,1-DCA	0.1858	0.2022	8.8	TM**		
32	TM	Ethyl tert Butyl Ether	0.3142	0.3446	9.7	TM		
33	TML	Methylcyclopentane	0.0000	0.0115	0.00	TML		
34	TM	MEK (2-Butanone)	0.0341	0.0329	3.4	TM		
35	TM	Cis-1,2-DCE	0.1266	0.1497	18	TM		
36	TM	2,2-Dichloropropane	0.2158	0.2183	1.1	TM		
37	TM*	Chloroform	0.2367	0.2577	8.9	TM*		
38	TM	Bromochloromethane	0.0977	0.1171	20	TM		
39	TM	1,1,1-TCA	0.2336	0.2303	1.4	TM		
40	TM	Cyclohexane	0.0732	0.0608	17	TM		
		Average			9.3			

VOLATILE ORGANIC ANALYSIS BY
EPA METHOD 8260B

Form 7

Second Source Calibration

Lab Name: APPL, Inc.
Case No:
Matrix: 0

SDG No:
Date Analyzed: 8/19/2021
Instrument: Max
Cal. Date: 8/19/2021
Data File: 0819M22.D

		Compound	MEAN	CCRF	%D		%Drift	
41	TM	1,1-Dichloropropene	0.1394	0.1456	4.4	TM		
42	TM	2,2,4-Trimethylpentane	0.2283	0.1701	25	TM		*
43	TM	Carbon Tetrachloride	0.2048	0.2026	1.1	TM		
44	TM	Tert Amyl Methyl Ether	0.3305	0.3193	3.4	TM		
45	TM	1,2-DCA	0.1746	0.2093	20	TM		
46	TM	Benzene	0.4226	0.4612	9.1	TM		
47	TM	TCE	0.1169	0.1337	14	TM		
48	TM	2-Pentanone	0.0542	0.0529	2.5	TM		
49	TM*	1,2-Dichloropropane	0.0502	0.0643	28	TM*		*
50	TM	Bromodichloromethane	0.1681	0.2140	27	TM		*
51	TM	Methyl Cyclohexane	0.1560	0.1291	17	TM		
52	TM	Dibromomethane	0.0669	0.0759	13	TM		
53	TM	MIBK (methyl isobutyl ketone)	0.0718	0.0704	2.0	TM		
54	TM	1-Bromo-2-chloroethane	0.0253	0.0308	22	TM		*
55	TM	2-Chloroethyl vinyl ether	0.0000	0.0717	0.00	TM		
56	TM	Cis-1,3-Dichloropropene	0.1022	0.1152	13	TM		
57	TM*	Toluene	0.4630	0.5329	15	TM*		
58	TM	Trans-1,3-Dichloropropene	0.1730	0.1966	14	TM		
59	TM	1,1,2-TCA	0.0768	0.0774	0.76	TM		
60	TML	2-Hexanone	0.0484	0.0433	11	TML	6.7	
61	TM	1,2-EDB	0.1215	0.1427	17	TM		
62	TML	Tetrachloroethene	0.1299	0.1231	5.3	TML	9.5	
63	TM	1-Chlorohexane	0.1514	0.1452	4.1	TM		
64	TM	1,1,1,2-Tetrachloroethane	0.1836	0.2129	16	TM		
65	TM	m&p-Xylene	0.2770	0.3067	11	TM		
66	TM	o-Xylene	0.2904	0.3275	13	TM		
67	TM	Styrene	0.4414	0.5129	16	TM		
68	TM	1,3-Dichloropropane	0.1967	0.2123	8.0	TM		
69	TM	Dibromochloromethane	0.1785	0.1949	9.2	TM		
70	TM**	Chlorobenzene	0.4136	0.4732	14	TM**		
71	TM*	Ethylbenzene	0.6514	0.6861	5.3	TM*		
72	TM**	Bromoform	0.1420	0.1377	3.1	TM**		
73	TM	Isopropylbenzene	1.141	1.173	2.7	TM		
74	TM**	1,1,2,2-Tetrachloroethane	0.2044	0.2065	1.0	TM**		
75	TM	1,2,3-Trichloropropane	0.0897	0.0987	10	TM		
76	TM	t-1,4-Dichloro-2-Butene	0.0467	0.0430	7.8	TM		
77	TM	Bromobenzene	0.3676	0.4121	12	TM		
78	TM	n-Propylbenzene	1.173	1.176	0.25	TM		
79	TM	4-Ethyltoluene	1.115	1.141	2.4	TM		
80	TM	2-Chlorotoluene	0.8150	0.9555	17	TM		
		Average			10.4			

VOLATILE ORGANIC ANALYSIS BY
EPA METHOD 8260B

Form 7

Second Source Calibration

Lab Name: APPL, Inc.
Case No:
Matrix: 0

SDG No:
Date Analyzed: 8/19/2021
Instrument: Max
Cal. Date: 8/19/2021
Data File: 0819M22.D

		Compound	MEAN	CCRF	%D		%Drift	
81	TM	1,3,5-Trimethylbenzene	0.9847	1.064	8.1	TM		
82	TM	4-Chlorotoluene	0.8937	0.9907	11	TM		
83	TM	Tert-Butylbenzene	0.5830	0.5521	5.3	TM		
84	TM	1,2,4-Trimethylbenzene	1.000	1.084	8.4	TM		
85	TM	Sec-Butylbenzene	1.105	1.105	0.01	TM		
86	TM	p-Isopropyltoluene	1.035	1.121	8.3	TM		
87	TM	Benzyl Chloride	0.3033	0.2697	11	TM		
88	TM	1,3-DCB	0.6425	0.7463	16	TM		
89	TM	1,4-DCB	0.6652	0.7606	14	TM		
90	TM	n-Butylbenzene	0.6784	0.7141	5.3	TM		
91	TM	1,2-DCB	0.6505	0.7261	12	TM		
92	TM	Hexachloroethane	0.1903	0.1773	6.8	TM		
93	TML	1,2-Dibromo-3-chloropropane	0.0642	0.0584	9.0	TML	9.1	
94	TM	1,2,4-Trichlorobenzene	0.3425	0.4403	29	TM		*
95	TM	Hexachlorobutadiene	0.2333	0.2278	2.4	TM		
96	TML	Naphthalene	0.3068	0.3103	1.2	TML	3.1	
97	TML	1,2,3-Trichlorobenzene	0.2909	0.3445	18	TML	2.4	
98								
99								
100								
101								
102								
103								
104								
105								
106								
107								
108								
109								
110								
111								
112								
113								
114								
115								
116								
117								
118								
119								
120								
		Average			9.8			

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\210819\0819M22.D Vial: 12
Acq On : 19 Aug 21 19:46 Operator: LP,DG,CH
Sample : (SS) 10ug/L VOC STD 8/19/21 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Aug 23 10:59 2021 Quant Results File: M0819W.RES

Quant Method : M:\MAX\DATA\210819\M0819W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Mon Aug 23 10:59:15 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	330298	25.00	ppb		0.00
65) Chlorobenzene-D5 (IS)	9.41	117	278115	25.00	ppb		0.00
80) 1,4-Dichlorobenzene-D (IS)	11.75	152	170981	25.00	ppb		0.00
System Monitoring Compounds							
41) Dibromofluoromethane(S)	5.41	111	97577	25.59	ppb		0.00
Spiked Amount 25.000			Recovery = 102.340%				
46) 1,2-DCA-D4(S)	5.81	65	59776	24.95	ppb		0.00
Spiked Amount 25.000			Recovery = 99.820%				
66) Toluene-D8(S)	7.95	98	324447	24.80	ppb		0.00
Spiked Amount 25.000			Recovery = 99.184%				
74) 4-Bromofluorobenzene(S)	10.60	95	129891	25.28	ppb		0.00
Spiked Amount 25.000			Recovery = 101.132%				
Target Compounds							Qvalue
3) Dichlorodifluoromethane	1.09	85	18948	10.07	ppb		97
4) Freon 114	1.18	85	8434	7.51	ppb		96
5) Chloromethane	1.22	50	13677	11.40	ppb		94
6) Vinyl chloride	1.31	62	14983	11.16	ppb		99
8) Bromomethane	1.56	94	9477	11.00	ppb		99
9) Chloroethane	1.66	64	7493	12.24	ppb	#	86
10) Dichlorofluoromethane	1.85	67	25279	10.09	ppb		96
11) Trichlorofluoromethane	1.88	101	29519	10.12	ppb		99
13) Acrolein	2.29	56	18988	118.18	ppb		94
14) Acetone	2.46	43	18974	52.57	ppb		97
15) Freon-113	2.38	151	11552	8.08	ppb		93
16) Acetonitrile	2.76	41	12658	110.17	ppb	#	81
18) 1,2-Dichlorotrifluoroethan	2.19	67	16617	11.48	ppb		99
19) 1,1-DCE	2.37	61	20653	10.56	ppb	#	90
20) t-Butanol	3.16	59	15637	127.72	ppb		95
21) Methyl Acetate	2.83	43	6086	8.21	ppb		88
22) Iodomethane	2.51	142	12711	12.06	ppb		97
23) Acrylonitrile	3.25	53	4097	9.69	ppb	#	68
25) Methylene chloride	2.92	84	17289	11.81	ppb		95
26) Carbon disulfide	2.56	76	19472	10.28	ppb	#	92
27) Methyl t-butyl ether (MtBE	3.29	73	48821	10.46	ppb		93
28) Trans-1,2-DCE	3.25	96	16704	10.84	ppb		99
30) Hexane	3.65	56	8228	10.88	ppb	#	78
31) Diisopropyl Ether	4.04	45	38054	10.80	ppb		94
32) 1,1-DCA	3.86	63	26712	10.88	ppb	#	96
34) Ethyl tert Butyl Ether	4.61	59	45529	10.97	ppb		99
35) Methylcyclopentane	4.61	56	1523	8.59	ppb		100
36) MEK (2-Butanone)	4.83	43	21734	48.31	ppb		99
37) Cis-1,2-DCE	4.75	96	19778	11.82	ppb		95
38) 2,2-Dichloropropane	4.72	77	28844	10.11	ppb		93
39) Chloroform	5.21	83	34045	11.44	ppb		98
40) Bromochloromethane	5.07	130	15467	12.53	ppb		93
42) 1,1,1-TCA	5.39	97	30423	9.86	ppb		93
43) Cyclohexane	5.44	41	8030	8.30	ppb		86
44) 1,1-Dichloropropene	5.61	75	19241	10.44	ppb		96
45) 2,2,4-Trimethylpentane	5.98	57	22480	7.59	ppb	#	84
47) Carbon Tetrachloride	5.59	117	26767	9.89	ppb		86
48) Tert Amyl Methyl Ether	6.06	73	42191	9.66	ppb		95
49) 1,2-DCA	5.91	62	27651	11.99	ppb		93
50) Benzene	5.86	78	60937	10.91	ppb		95

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

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\210819\0819M22.D Vial: 12
Acq On : 19 Aug 21 19:46 Operator: LP,DG,CH
Sample : (SS) 10ug/L VOC STD 8/19/21 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Aug 23 10:59 2021 Quant Results File: M0819W.RES

Quant Method : M:\MAX\DATA\210819\M0819W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Mon Aug 23 10:59:15 2021
Response via : Initial Calibration
DataAcq Meth : M8260_081021

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
51)	TCE	6.63	95	17666	11.44	ppb		89
52)	2-Pentanone	6.90	43	87316	121.91	ppb		100
53)	1,2-Dichloropropane	6.88	63	8496	12.80	ppb		99
54)	Bromodichloromethane	7.20	83	28269	12.73	ppb		97
55)	Methyl Cyclohexane	6.82	83	17058	8.28	ppb		96
56)	Dibromomethane	7.00	93	10025	11.34	ppb		78
57)	MIBK (methyl isobutyl ket	7.89	43	46483	48.99	ppb		98
58)	1-Bromo-2-chloroethane	7.51	144	4072	12.19	ppb		81
60)	Cis-1,3-Dichloropropene	7.69	39	15219	11.28	ppb		83
61)	Toluene	8.02	91	70401	11.51	ppb		91
62)	Trans-1,3-Dichloropropene	8.28	75	25970	11.36	ppb		98
63)	1,1,2-TCA	8.46	83	10223	10.08	ppb	#	89
64)	2-Hexanone	8.75	43	28630	46.63	ppb		97
67)	1,2-EDB	8.94	107	15874	11.75	ppb		99
68)	Tetrachloroethene	8.57	164	13696	10.95	ppb		98
69)	1-Chlorohexane	9.45	91	16148	9.59	ppb		94
70)	1,1,1,2-Tetrachloroethane	9.53	131	23680	11.60	ppb		100
71)	m&p-Xylene	9.69	106	68231	22.14	ppb		95
72)	o-Xylene	10.08	106	36437	11.28	ppb		89
73)	Styrene	10.10	104	57062	11.62	ppb		99
75)	1,3-Dichloropropane	8.62	76	23619	10.80	ppb		98
76)	Dibromochloromethane	8.84	129	21682	10.92	ppb		93
77)	Chlorobenzene	9.44	112	52644	11.44	ppb		96
78)	Ethylbenzene	9.56	91	76327	10.53	ppb		95
79)	Bromoform	10.27	173	15315	9.69	ppb		96
81)	Isopropylbenzene	10.45	105	80207	10.27	ppb		96
82)	1,1,2,2-Tetrachloroethane	10.77	83	14122	10.10	ppb		94
83)	1,2,3-Trichloropropane	10.80	110	6747	11.00	ppb		98
84)	t-1,4-Dichloro-2-Butene	10.83	53	2943	9.22	ppb		96
85)	Bromobenzene	10.73	156	28187	11.21	ppb		97
86)	n-Propylbenzene	10.86	91	80409	10.03	ppb		99
87)	4-Ethyltoluene	10.98	105	78027	10.24	ppb		99
88)	2-Chlorotoluene	10.94	91	65347	11.72	ppb		98
89)	1,3,5-Trimethylbenzene	11.05	105	72771	10.81	ppb		98
90)	4-Chlorotoluene	11.05	91	67756	11.08	ppb		98
91)	Tert-Butylbenzene	11.36	119	37760	9.47	ppb		89
92)	1,2,4-Trimethylbenzene	11.41	105	74165	10.84	ppb		100
93)	Sec-Butylbenzene	11.58	105	75572	10.00	ppb		95
94)	p-Isopropyltoluene	11.74	119	76679	10.83	ppb		98
95)	Benzyl Chloride	11.92	91	18442	8.89	ppb		94
96)	1,3-DCB	11.77	146	51038	11.61	ppb		94
97)	1,4-DCB	11.68	146	52019	11.43	ppb		94
98)	n-Butylbenzene	12.14	91	48838	10.53	ppb		96
99)	1,2-DCB	12.14	146	49662	11.16	ppb		93
100)	Hexachloroethane	12.38	117	12127	9.32	ppb		92
101)	1,2-Dibromo-3-chloropropan	12.92	157	3991	9.09	ppb		98
102)	1,2,4-Trichlorobenzene	13.74	180	30115	12.86	ppb		91
103)	Hexachlorobutadiene	13.92	225	15577	9.76	ppb		96
104)	Naphthalene	13.99	128	21224	9.69	ppb	#	92
105)	1,2,3-Trichlorobenzene	14.23	180	23559	9.76	ppb		88

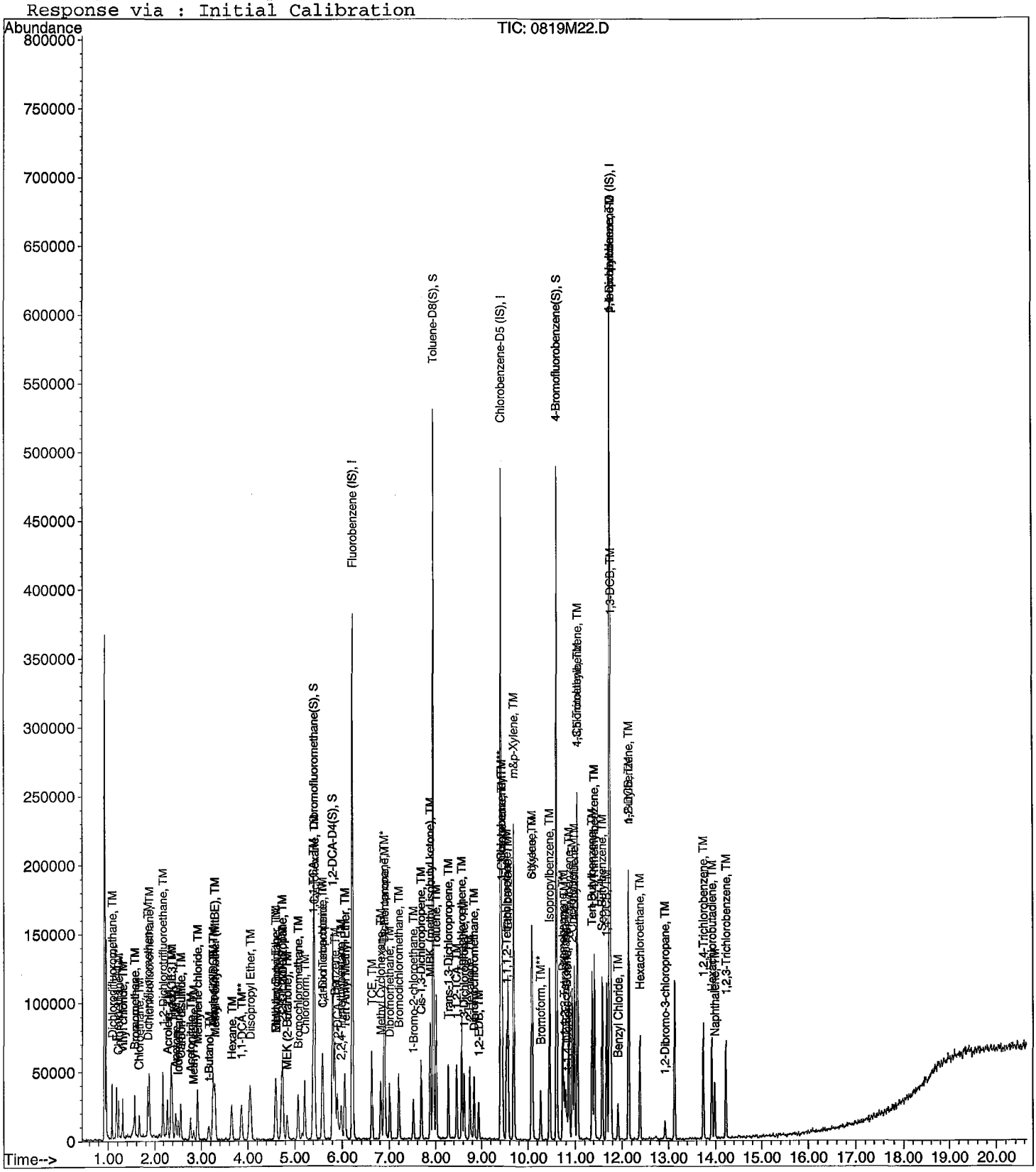
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\MAX\DATA\210819\0819M22.D Vial: 12
Acq On : 19 Aug 21 19:46 Operator: LP,DG,CH
Sample : (SS) 10ug/L VOC STD 8/19/21 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Aug 23 10:59 2021 Quant Results File: M0819W.RES

Method : M:\MAX\DATA\210819\M0819W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Sep 17 15:19:33 2021
Response via : Initial Calibration



VOLATILE ORGANIC ANALYSIS BY
EPA METHOD 8260B

Form 7

Ending Continuing Calibration

Lab Name: APPL, Inc. SDG No:
Case No: Date Analyzed: 8/20/2021
Matrix: Instrument: Max
Initial Cal. Date: 8/19/2021
Data File: 0819M47.D

		Compound	MEAN	CCRF	%D		%Drift
1	I	Fluorobenzene (IS)	ISTD			I	
2	TM	Chlorotrifluoroethene	0.0000	0.0075	0.00	TM	
3	TM	Dichlorodifluoromethane	0.1425	0.1409	1.1	TM	
4	TM	Freon 114	0.0851	0.0706	17	TM	
5	TM**	Chloromethane	0.0908	0.0800	12	TM**	
6	TM*	Vinyl chloride	0.1020	0.0982	3.6	TM*	
7	TM	2-Chloro-1,1,1-trifluoroethane	0.0000	0.0028	0.00	TM	
8	TM	Bromomethane	0.0652	0.0660	1.2	TM	
9	TML	Chloroethane	0.0536	0.0469	12	TML	0.36
10	TM	Dichlorofluoromethane	0.1896	0.1800	5.1	TM	
11	TM	Trichlorofluoromethane	0.2208	0.2427	9.9	TM	
12	TM	2,2-Dichloro-1,1,1-trifluoroethane	0.0000	0.0002	0.00	TM	
13	TM	Acrolein	0.0122	0.0107	12	TM	
14	TML	Acetone	0.0323	0.0287	11	TML	5.1
15	TM	Freon-113	0.1082	0.0948	12	TM	
16	TM	Acetonitrile	0.0087	0.0085	2.1	TM	
17	TM	2-propanol	0.0000	0.0001	0.00	TM	
18	TM	1,2-Dichlorotrifluoroethane	0.1095	0.1081	1.3	TM	
19	TM*	1,1-DCE	0.1550	0.1396	9.9	TM*	
20	TM	t-Butanol	0.0093	0.0088	4.9	TM	
21	TML	Methyl Acetate	0.0688	0.0521	24	TML	6.4
22	TM	Iodomethane	0.0798	0.0967	21	TM	
23	TML	Acrylonitrile	0.0310	0.0312	0.72	TML	2.4
24	TM	2-Methylpentane	0.0000	0.0002	0.00	TM	
25	TML	Methylene chloride	0.3272	0.1093	67	TML	5.3
26	TML	Carbon disulfide	0.1629	0.1323	19	TML	8.1
27	TM	Methyl t-butyl ether (MtBE)	0.3717	0.3375	9.2	TM	
28	TM	Trans-1,2-DCE	0.1167	0.1074	7.9	TM	
29	TM	3-Methylpentane	0.0000	0.0609	0.00	TM	
30	TML	Hexane	0.0684	0.0496	27	TML	14
31	TM	Diisopropyl Ether	0.2668	0.2372	11	TM	
32	TM**	1,1-DCA	0.1858	0.1786	3.9	TM**	
33	TM	Ethyl tert Butyl Ether	0.3142	0.2898	7.8	TM	
34	TML	Methylcyclopentane	0.0000	0.0121	0.00	TML	
35	TM	MEK (2-Butanone)	0.0341	0.0379	11	TM	
36	TM	Cis-1,2-DCE	0.1266	0.1281	1.2	TM	
37	TM	2,2-Dichloropropane	0.2158	0.1567	27	TM	
38	TM*	Chloroform	0.2367	0.2245	5.2	TM*	
39	TM	Bromochloromethane	0.0977	0.0957	2.0	TM	
40	S	Dibromofluoromethane(S)	0.2887	0.2942	1.9	S	
		Average			9.3		

VOLATILE ORGANIC ANALYSIS BY
EPA METHOD 8260B

Form 7

Ending Continuing Calibration

Lab Name: APPL, Inc. SDG No:
Case No: Date Analyzed: 8/20/2021
Matrix: 0 Instrument: Max
Cal. Date: 8/19/2021
Data File: 0819M47.D

		Compound	MEAN	CCRF	%D		%Drift
41	TM	1,1,1-TCA	0.2336	0.2386	2.1	TM	
42	TM	Cyclohexane	0.0732	0.0685	6.4	TM	
43	TM	1,1-Dichloropropene	0.1394	0.1272	8.8	TM	
44	TM	2,2,4-Trimethylpentane	0.2283	0.1514	34	TM	
45	S	1,2-DCA-D4(S)	0.1813	0.1819	0.30	S	
46	TM	Carbon Tetrachloride	0.2048	0.1965	4.1	TM	
47	TM	Tert Amyl Methyl Ether	0.3305	0.2997	9.3	TM	
48	TM	1,2-DCA	0.1746	0.1896	8.6	TM	
49	TM	Benzene	0.4226	0.3998	5.4	TM	
50	TM	TCE	0.1169	0.1253	7.2	TM	
51	TM	2-Pentanone	0.0542	0.0577	6.4	TM	
52	TM*	1,2-Dichloropropane	0.0502	0.0563	12	TM*	
53	TM	Bromodichloromethane	0.1681	0.1764	5.0	TM	
54	TM	Methyl Cyclohexane	0.1560	0.1329	15	TM	
55	TM	Dibromomethane	0.0669	0.0665	0.66	TM	
56	TM	MIBK (methyl isobutyl ketone)	0.0718	0.0753	4.8	TM	
57	TM	1-Bromo-2-chloroethane	0.0253	0.0252	0.42	TM	
58	TM	2-Chloroethyl vinyl ether	0.0000	0.0759	0.00	TM	
59	TM	Cis-1,3-Dichloropropene	0.1022	0.0866	15	TM	
60	TM*	Toluene	0.4630	0.4466	3.5	TM*	
61	TM	Trans-1,3-Dichloropropene	0.1730	0.1569	9.3	TM	
62	TM	1,1,2-TCA	0.0768	0.0751	2.2	TM	
63	TML	2-Hexanone	0.0484	0.0518	7.0	TML	12
64	I	Chlorobenzene-D5 (IS)	ISTD			I	
65	S	Toluene-D8(S)	1.176	1.164	1.0	S	
66	TM	1,2-EDB	0.1215	0.1220	0.40	TM	
67	TML	Tetrachloroethene	0.1299	0.1144	12	TML	1.4
68	TM	1-Chlorohexane	0.1514	0.1417	6.4	TM	
69	TM	1,1,1,2-Tetrachloroethane	0.1836	0.1822	0.75	TM	
70	TM	m&p-Xylene	0.2770	0.2646	4.5	TM	
71	TM	o-Xylene	0.2904	0.2659	8.4	TM	
72	TM	Styrene	0.4414	0.4184	5.2	TM	
73	S	4-Bromofluorobenzene(S)	0.4618	0.4618	0.00	S	
74	TM	1,3-Dichloropropane	0.1967	0.1836	6.6	TM	
75	TM	Dibromochloromethane	0.1785	0.1742	2.4	TM	
76	TM**	Chlorobenzene	0.4136	0.4162	0.62	TM**	
77	TM*	Ethylbenzene	0.6514	0.6357	2.4	TM*	
78	TM**	Bromoform	0.1420	0.1389	2.2	TM**	
79	I	1,4-Dichlorobenzene-D (IS)	ISTD			I	
80	TM	Isopropylbenzene	1.141	1.085	4.9	TM	
		Average			5.9		

VOLATILE ORGANIC ANALYSIS BY
EPA METHOD 8260B

Form 7

Ending Continuing Calibration

Lab Name: APPL, Inc.
Case No:
Matrix: 0

SDG No:
Date Analyzed: 8/20/2021
Instrument: Max
Cal. Date: 8/19/2021
Data File: 0819M47.D

		Compound	MEAN	CCRF	%D		%Drift
81	TM**	1,1,2,2-Tetrachloroethane	0.2044	0.1744	15	TM**	
82	TM	1,2,3-Trichloropropane	0.0897	0.0882	1.7	TM	
83	TM	t-1,4-Dichloro-2-Butene	0.0467	0.0494	5.9	TM	
84	TM	Bromobenzene	0.3676	0.3409	7.3	TM	
85	TM	n-Propylbenzene	1.173	1.073	8.5	TM	
86	TM	4-Ethyltoluene	1.115	1.013	9.2	TM	
87	TM	2-Chlorotoluene	0.8150	0.8539	4.8	TM	
88	TM	1,3,5-Trimethylbenzene	0.9847	0.9341	5.1	TM	
89	TM	4-Chlorotoluene	0.8937	0.8266	7.5	TM	
90	TM	Tert-Butylbenzene	0.5830	0.5233	10	TM	
91	TM	1,2,4-Trimethylbenzene	1.000	0.9070	9.3	TM	
92	TM	Sec-Butylbenzene	1.105	1.025	7.2	TM	
93	TM	p-Isopropyltoluene	1.035	1.004	3.0	TM	
94	TM	Benzyl Chloride	0.3033	0.1769	42	TM	
95	TM	1,3-DCB	0.6425	0.6215	3.3	TM	
96	TM	1,4-DCB	0.6652	0.6375	4.2	TM	
97	TM	n-Butylbenzene	0.6784	0.5716	16	TM	
98	TM	1,2-DCB	0.6505	0.6371	2.1	TM	
99	TM	Hexachloroethane	0.1903	0.1957	2.8	TM	
100	TML	1,2-Dibromo-3-chloropropane	0.0642	0.0619	3.6	TML	4.6
101	TM	1,2,4-Trichlorobenzene	0.3425	0.3493	2.0	TM	
102	TM	Hexachlorobutadiene	0.2333	0.2255	3.3	TM	
103	TML	Naphthalene	0.3068	0.2603	15	TML	13
104	TML	1,2,3-Trichlorobenzene	0.2909	0.2792	4.0	TML	16
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\210819\0819M47.D Vial: 37
Acq On : 20 Aug 21 7:25 Operator: LP,DG,CH
Sample : Ending CCV 10ug/L 8/19/21 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Sep 19 7:34 2021 Quant Results File: M0819W.RES

Quant Method : M:\MAX\DATA\210819\M0819W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Sep 17 15:19:33 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	297993	25.00	ppb		0.00
65) Chlorobenzene-D5 (IS)	9.41	117	245994	25.00	ppb		0.00
80) 1,4-Dichlorobenzene-D (IS)	11.75	152	159072	25.00	ppb		0.00
System Monitoring Compounds							
41) Dibromofluoromethane(S)	5.41	111	87662	25.48	ppb		0.00
Spiked Amount 25.000			Recovery =	101.908%			
46) 1,2-DCA-D4(S)	5.81	65	54192	25.08	ppb		0.00
Spiked Amount 25.000			Recovery =	100.304%			
66) Toluene-D8(S)	7.95	98	286385	24.74	ppb		0.00
Spiked Amount 25.000			Recovery =	98.980%			
74) 4-Bromofluorobenzene(S)	10.60	95	113608	25.00	ppb		0.00
Spiked Amount 25.000			Recovery =	100.004%			
Target Compounds							Qvalue
3) Dichlorodifluoromethane	1.09	85	16790	9.89	ppb		99
4) Freon 114	1.18	85	8412	8.30	ppb		99
5) Chloromethane	1.22	50	9536	8.81	ppb		89
6) Vinyl chloride	1.31	62	11711	9.64	ppb		95
8) Bromomethane	1.57	94	7866	10.12	ppb		99
9) Chloroethane	1.66	64	5590	9.96	ppb	#	80
10) Dichlorofluoromethane	1.85	67	21456	9.49	ppb		87
11) Trichlorofluoromethane	1.88	101	28931	10.99	ppb		94
13) Acrolein	2.29	56	15923	109.85	ppb		94
14) Acetone	2.46	43	17110	52.54	ppb		99
15) Freon-113	2.38	151	11304	8.77	ppb		96
16) Acetonitrile	2.76	41	12682	122.34	ppb	#	90
18) 1,2-Dichlorotrifluoroethan	2.19	67	12883	9.87	ppb	#	92
19) 1,1-DCE	2.36	61	16645	9.01	ppb		96
20) t-Butanol	3.16	59	13125	118.82	ppb		96
21) Methyl Acetate	2.83	43	6205	9.36	ppb		87
22) Iodomethane	2.51	142	11528	12.13	ppb		93
23) Acrylonitrile	3.26	53	3722	9.76	ppb	#	89
25) Methylene chloride	2.92	84	13030	9.47	ppb		92
26) Carbon disulfide	2.56	76	15772	9.19	ppb	#	89
27) Methyl t-butyl ether (MtBE	3.30	73	40233	9.08	ppb		96
28) Trans-1,2-DCE	3.25	96	12806	9.21	ppb		96
30) Hexane	3.66	56	5913	8.63	ppb		93
31) Diisopropyl Ether	4.05	45	28278	8.89	ppb		96
32) 1,1-DCA	3.86	63	21288	9.61	ppb		95
34) Ethyl tert Butyl Ether	4.60	59	34544	9.22	ppb		95
36) MEK (2-Butanone)	4.84	43	22603	55.68	ppb	#	93
37) Cis-1,2-DCE	4.75	96	15266	10.12	ppb		89
38) 2,2-Dichloropropane	4.72	77	18677	7.26	ppb		96
39) Chloroform	5.21	83	26757	9.48	ppb		91
40) Bromochloromethane	5.07	130	11408	9.80	ppb		96
42) 1,1,1-TCA	5.39	97	28446	10.21	ppb		89
43) Cyclohexane	5.43	41	8170	9.36	ppb		81
44) 1,1-Dichloropropene	5.61	75	15160	9.12	ppb		97
45) 2,2,4-Trimethylpentane	5.98	57	18052	6.63	ppb		86
47) Carbon Tetrachloride	5.59	117	23417	9.59	ppb		87
48) Tert Amyl Methyl Ether	6.06	73	35723	9.07	ppb		99
49) 1,2-DCA	5.91	62	22594	10.86	ppb	#	91
50) Benzene	5.86	78	47652	9.46	ppb		96
51) TCE	6.63	95	14938	10.72	ppb		90

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

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\210819\0819M47.D Vial: 37
Acq On : 20 Aug 21 7:25 Operator: LP,DG,CH
Sample : Ending CCV 10ug/L 8/19/21 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Sep 19 7:34 2021 Quant Results File: M0819W.RES

Quant Method : M:\MAX\DATA\210819\M0819W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Sep 17 15:19:33 2021
Response via : Initial Calibration
DataAcq Meth : M8260_081021

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
52)	2-Pentanone	6.90	43	85957	133.02	ppb		99
53)	1,2-Dichloropropane	6.88	63	6714	11.21	ppb		96
54)	Bromodichloromethane	7.20	83	21032	10.50	ppb		92
55)	Methyl Cyclohexane	6.82	83	15841	8.52	ppb		91
56)	Dibromomethane	7.01	93	7925	9.93	ppb		85
57)	MIBK (methyl isobutyl ket	7.89	43	44857	52.40	ppb		96
58)	1-Bromo-2-chloroethane	7.52	144	3002	9.96	ppb	#	49
60)	Cis-1,3-Dichloropropene	7.69	39	10317	8.47	ppb	#	91
61)	Toluene	8.02	91	53234	9.65	ppb		98
62)	Trans-1,3-Dichloropropene	8.28	75	18701	9.07	ppb		95
63)	1,1,2-TCA	8.46	83	8949	9.78	ppb	#	91
64)	2-Hexanone	8.74	43	30873	55.93	ppb		96
67)	1,2-EDB	8.94	107	12000	10.04	ppb		100
68)	Tetrachloroethene	8.57	164	11254	10.14	ppb		96
69)	1-Chlorohexane	9.45	91	13946	9.36	ppb		88
70)	1,1,1,2-Tetrachloroethane	9.53	131	17926	9.93	ppb		92
71)	m&p-Xylene	9.69	106	52064	19.10	ppb		93
72)	o-Xylene	10.08	106	26168	9.16	ppb		96
73)	Styrene	10.10	104	41171	9.48	ppb		95
75)	1,3-Dichloropropane	8.62	76	18067	9.34	ppb		99
76)	Dibromochloromethane	8.84	129	17143	9.76	ppb		97
77)	Chlorobenzene	9.44	112	40951	10.06	ppb		99
78)	Ethylbenzene	9.56	91	62556	9.76	ppb		96
79)	Bromoform	10.27	173	13664	9.78	ppb		86
81)	Isopropylbenzene	10.45	105	69061	9.51	ppb		100
82)	1,1,2,2-Tetrachloroethane	10.77	83	11094	8.53	ppb		92
83)	1,2,3-Trichloropropane	10.80	110	5610	9.83	ppb		98
84)	t-1,4-Dichloro-2-Butene	10.83	53	3146	10.59	ppb	#	73
85)	Bromobenzene	10.73	156	21689	9.27	ppb		98
86)	n-Propylbenzene	10.86	91	68300	9.15	ppb		96
87)	4-Ethyltoluene	10.98	105	64429	9.08	ppb		97
88)	2-Chlorotoluene	10.93	91	54335	10.48	ppb		88
89)	1,3,5-Trimethylbenzene	11.05	105	59436	9.49	ppb		97
90)	4-Chlorotoluene	11.05	91	52596	9.25	ppb		99
91)	Tert-Butylbenzene	11.36	119	33296	8.98	ppb		93
92)	1,2,4-Trimethylbenzene	11.41	105	57710	9.07	ppb		97
93)	Sec-Butylbenzene	11.59	105	65250	9.28	ppb		99
94)	p-Isopropyltoluene	11.74	119	63903	9.70	ppb		96
95)	Benzyl Chloride	11.92	91	11256	5.83	ppb		96
96)	1,3-DCB	11.77	146	39548	9.67	ppb		94
97)	1,4-DCB	11.68	146	40565	9.58	ppb		94
98)	n-Butylbenzene	12.14	91	36369	8.42	ppb		92
99)	1,2-DCB	12.14	146	40538	9.79	ppb		96
100)	Hexachloroethane	12.38	117	12451	10.28	ppb		70
101)	1,2-Dibromo-3-chloropropan	12.92	157	3937	9.54	ppb		92
102)	1,2,4-Trichlorobenzene	13.74	180	22227	10.20	ppb		96
103)	Hexachlorobutadiene	13.92	225	14348	9.67	ppb		94
104)	Naphthalene	13.98	128	16560	8.73	ppb	#	91
105)	1,2,3-Trichlorobenzene	14.22	180	17763	8.40	ppb		82

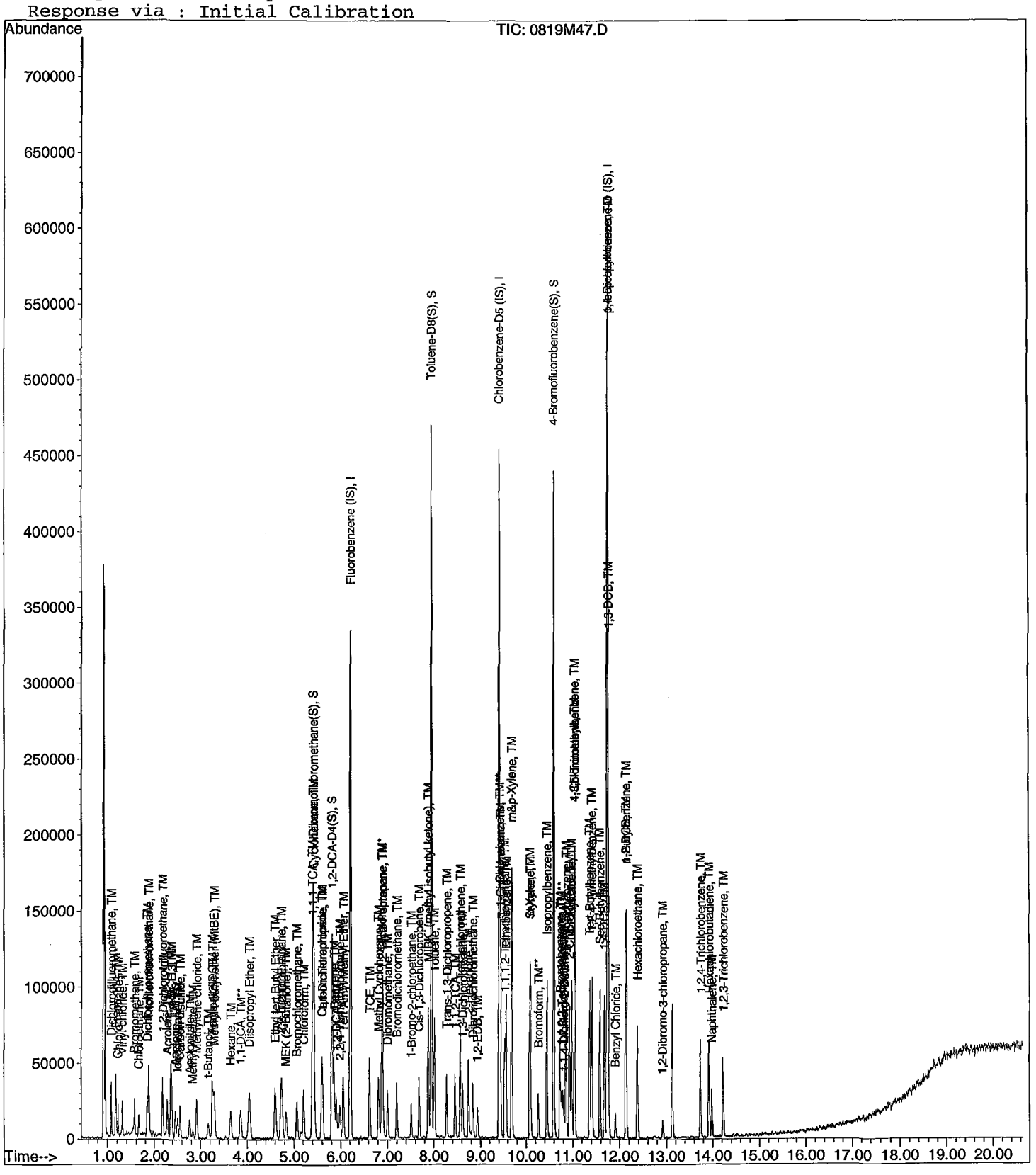
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\MAX\DATA\210819\0819M47.D Vial: 37
Acq On : 20 Aug 21 7:25 Operator: LP,DG,CH
Sample : Ending CCV 10ug/L 8/19/21 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Sep 19 7:34 2021 Quant Results File: M0819W.RES

Method : M:\MAX\DATA\210819\M0819W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Sep 17 15:19:33 2021
Response via : Initial Calibration



ORGANICS

Raw Data

Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\210818\0818M24.D Vial: 24
Acq On : 19 Aug 21 00:01 Operator: LP,DG,CH
Sample : BA37421W01 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Sep 19 10:51 2021 Quant Results File: M0816NEW.RES

Quant Method : M:\MAX\DATA\210816\M0816NEW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sun Sep 19 10:31:26 2021
Response via : Initial Calibration
DataAcq Meth : 081621_M8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.30	96	28360	25.00	ppb	0.00
6) Chlorobenzene-D5 (IS)	9.76	117	24071	25.00	ppb	0.00
12) 1,4-Dichlorobenzene-D (IS)	12.33	152	15358	25.00	ppb	0.00
System Monitoring Compounds						
2) Dibromofluoromethane(S)	5.46	111	8097	24.66	ppb	0.00
Spiked Amount 25.000			Recovery = 98.628%			
3) 1,2-DCA-D4(S)	5.88	65	5162	26.26	ppb	0.00
Spiked Amount 25.000			Recovery = 105.028%			
7) Toluene-D8(S)	8.17	98	27983	22.83	ppb	0.00
Spiked Amount 25.000			Recovery = 91.320%			
10) 4-Bromofluorobenzene(S)	11.06	95	11469	24.34	ppb	0.00
Spiked Amount 25.000			Recovery = 97.356%			

Target Compounds Qvalue

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

Quantitation Report

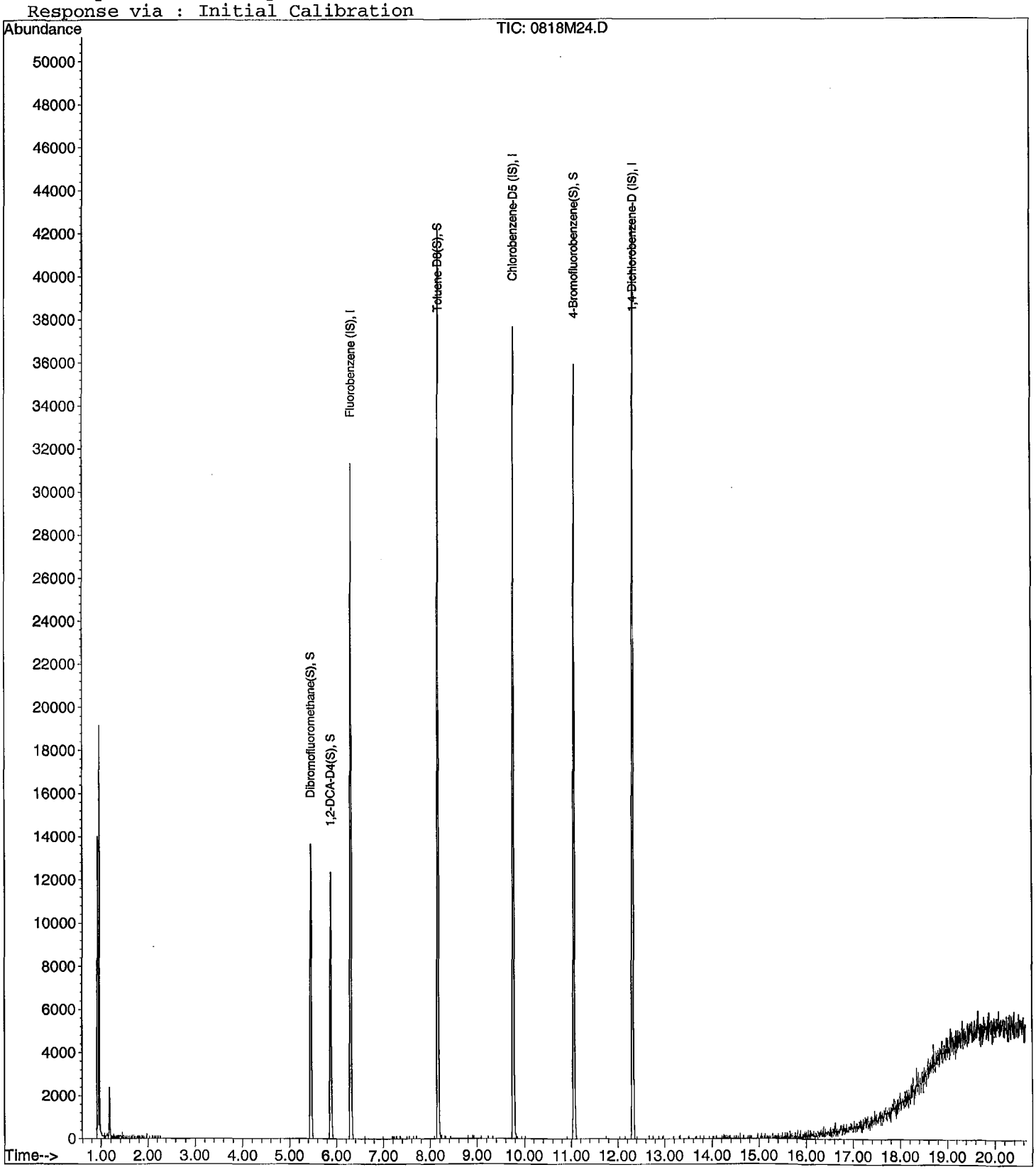
Data File : M:\MAX\DATA\210818\0818M24.D
Acq On : 19 Aug 21 00:01
Sample : BA37421W01
Misc : IS&S 6/4/21

Vial: 24
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Sep 19 10:51 2021

Quant Results File: M0816NEW.RES

Method : M:\MAX\DATA\210816\M0816NEW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sun Sep 19 10:31:26 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\210818\0818M25.D Vial: 25
Acq On : 19 Aug 21 00:29 Operator: LP,DG,CH
Sample : BA37422W01 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Sep 19 10:51 2021 Quant Results File: M0816NEW.RES

Quant Method : M:\MAX\DATA\210816\M0816NEW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sun Sep 19 10:31:26 2021
Response via : Initial Calibration
DataAcq Meth : 081621_M8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.30	96	28156	25.00	ppb	0.00
6) Chlorobenzene-D5 (IS)	9.76	117	24432	25.00	ppb	0.00
12) 1,4-Dichlorobenzene-D (IS)	12.32	152	15428	25.00	ppb	0.00
System Monitoring Compounds						
2) Dibromofluoromethane(S)	5.46	111	7981	24.48	ppb	0.00
Spiked Amount 25.000			Recovery = 97.920%			
3) 1,2-DCA-D4(S)	5.88	65	5100	26.13	ppb	0.00
Spiked Amount 25.000			Recovery = 104.520%			
7) Toluene-D8(S)	8.17	98	27934	22.45	ppb	0.00
Spiked Amount 25.000			Recovery = 89.812%			
10) 4-Bromofluorobenzene(S)	11.06	95	11133	23.28	ppb	0.00
Spiked Amount 25.000			Recovery = 93.108%			

Target Compounds	Qvalue

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

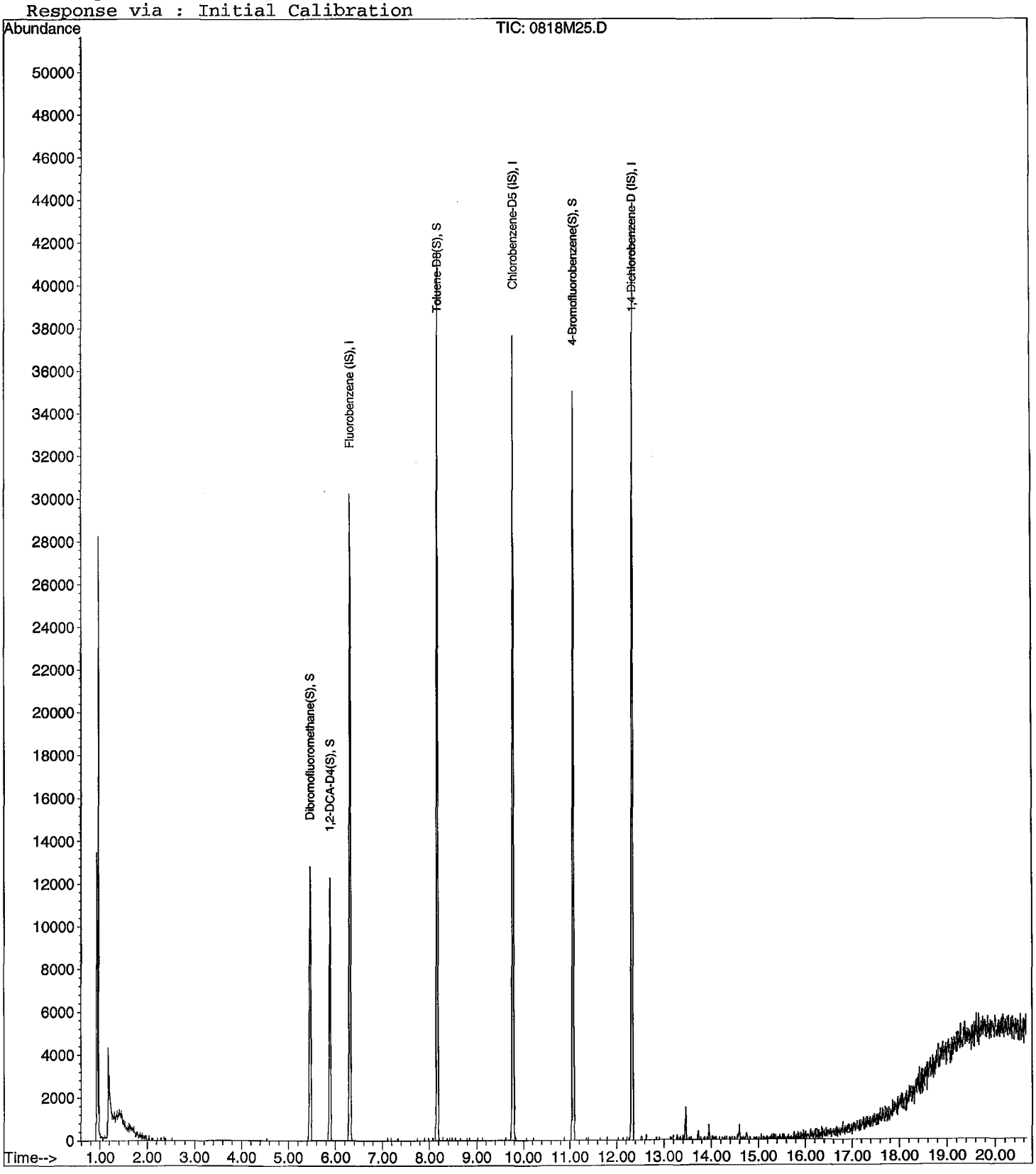
Quantitation Report

Data File : M:\MAX\DATA\210818\0818M25.D
Acq On : 19 Aug 21 00:29
Sample : BA37422W01
Misc : IS&S 6/4/21

Vial: 25
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Sep 19 10:51 2021 Quant Results File: M0816NEW.RES

Method : M:\MAX\DATA\210816\M0816NEW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sun Sep 19 10:31:26 2021
Response via : Initial Calibration



0818M25.D M0816NEW.M Sun Sep 19 10:37:21 2021 Page 2

Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\210818\0818M26.D Vial: 26
Acq On : 19 Aug 21 00:56 Operator: LP,DG,CH
Sample : BA37424W01 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Sep 19 10:57 2021 Quant Results File: M0816NEW.RES

Quant Method : M:\MAX\DATA\210816\M0816NEW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sun Sep 19 10:31:26 2021
Response via : Initial Calibration
DataAcq Meth : 081621_M8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.30	96	27212	25.00	ppb	0.00
6) Chlorobenzene-D5 (IS)	9.76	117	23770	25.00	ppb	0.00
12) 1,4-Dichlorobenzene-D (IS)	12.32	152	14714	25.00	ppb	0.00
System Monitoring Compounds						
2) Dibromofluoromethane(S)	5.46	111	7728	24.53	ppb	0.00
Spiked Amount 25.000			Recovery = 98.104%			
3) 1,2-DCA-D4(S)	5.88	65	4565	24.20	ppb	0.00
Spiked Amount 25.000			Recovery = 96.800%			
7) Toluene-D8(S)	8.17	98	26966	22.28	ppb	0.00
Spiked Amount 25.000			Recovery = 89.116%			
10) 4-Bromofluorobenzene(S)	11.06	95	11034	23.71	ppb	0.00
Spiked Amount 25.000			Recovery = 94.852%			

Target Compounds Qvalue

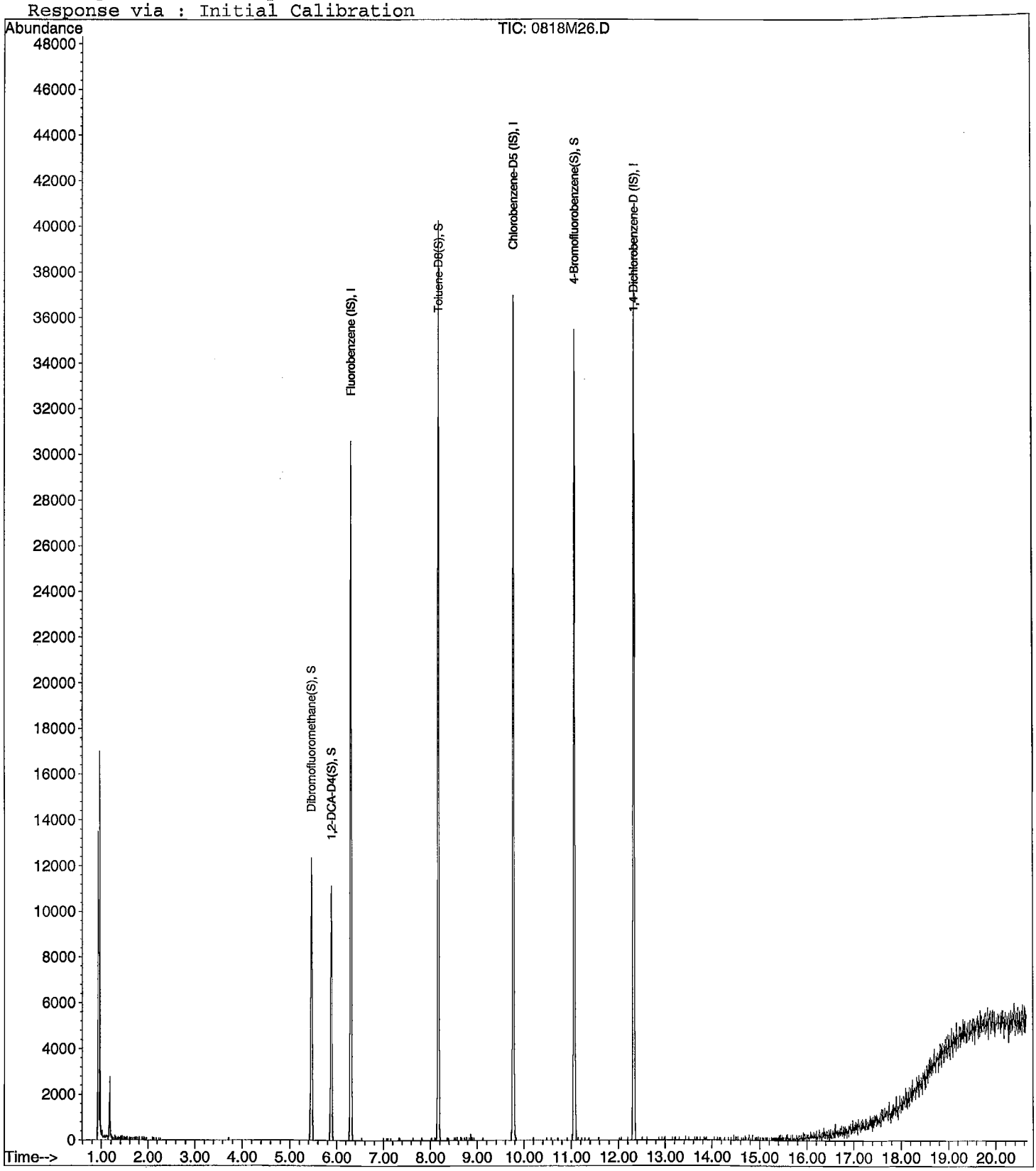
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\MAX\DATA\210818\0818M26.D Vial: 26
Acq On : 19 Aug 21 00:56 Operator: LP,DG,CH
Sample : BA37424W01 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Sep 19 10:57 2021 Quant Results File: M0816NEW.RES

Method : M:\MAX\DATA\210816\M0816NEW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sun Sep 19 10:31:26 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\210819\0819M34.D
Acq On : 20 Aug 21 1:21
Sample : BA37425W01
Misc : IS&S 6/4/21

Vial: 24
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Sep 19 7:42 2021 Quant Results File: M0819W.RES

Quant Method : M:\MAX\DATA\210819\M0819W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Sep 17 15:19:33 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	305385	25.00	ppb		0.00
65) Chlorobenzene-D5 (IS)	9.41	117	256727	25.00	ppb		0.00
80) 1,4-Dichlorobenzene-D (IS)	11.75	152	163311	25.00	ppb		0.00
System Monitoring Compounds							
41) Dibromofluoromethane(S)	5.41	111	92342	26.19	ppb		0.00
Spiked Amount 25.000			Recovery = 104.752%				
46) 1,2-DCA-D4(S)	5.81	65	58304	26.33	ppb		0.00
Spiked Amount 25.000			Recovery = 105.304%				
66) Toluene-D8(S)	7.95	98	299056	24.76	ppb		0.00
Spiked Amount 25.000			Recovery = 99.036%				
74) 4-Bromofluorobenzene(S)	10.60	95	119604	25.22	ppb		0.00
Spiked Amount 25.000			Recovery = 100.880%				
Target Compounds							Qvalue
64) 2-Hexanone	8.82	43	128	-0.82	ppb	#	29
78) Ethylbenzene	9.57	91	1995	0.30	ppb		91
86) n-Propylbenzene	10.86	91	50915	6.65	ppb		98
93) Sec-Butylbenzene	11.59	105	36068	5.00	ppb		98
104) Naphthalene	13.99	128	509056	153.30	ppb		94

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

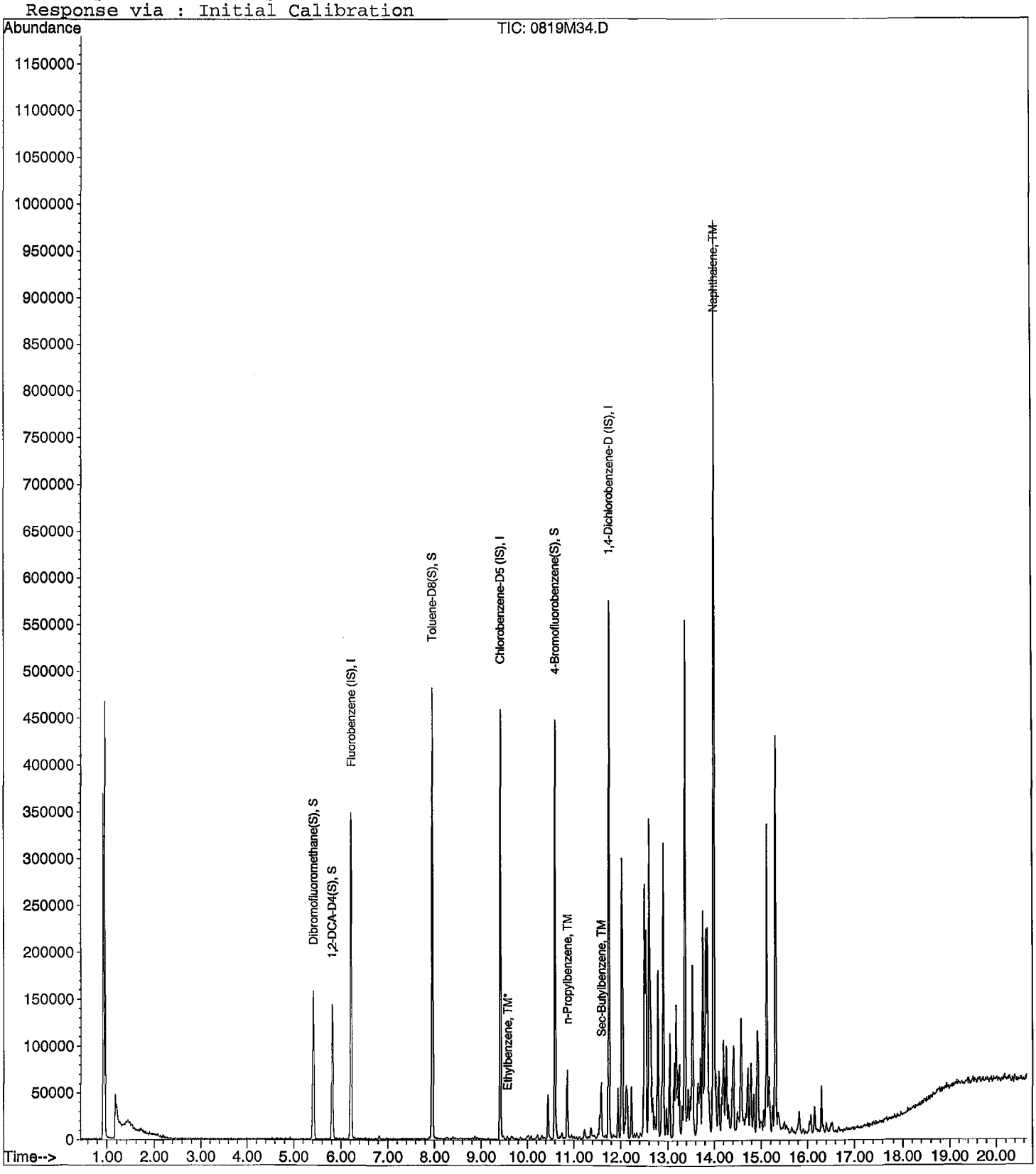
Quantitation Report

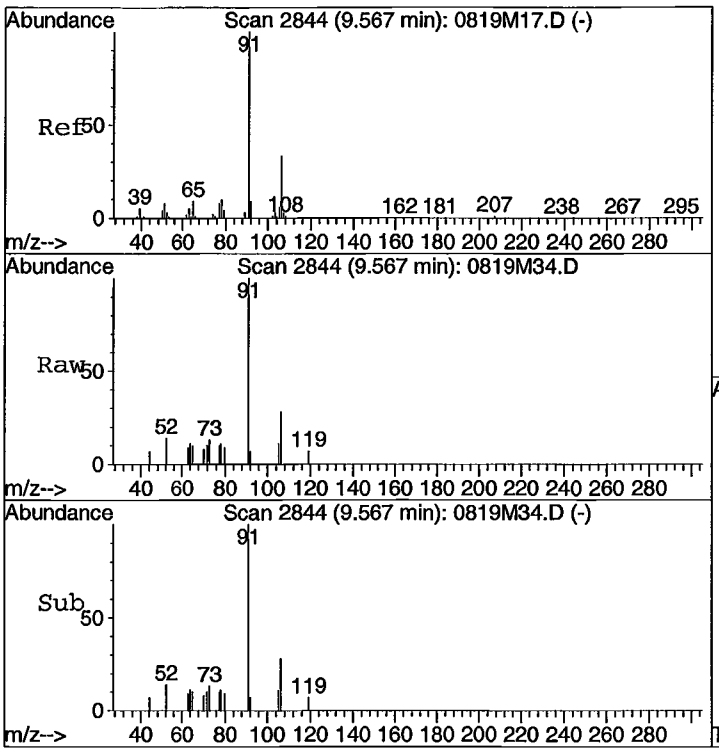
Data File : M:\MAX\DATA\210819\0819M34.D
Acq On : 20 Aug 21 1:21
Sample : BA37425W01
Misc : IS&S 6/4/21

Vial: 24
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Sep 19 7:42 2021 Quant Results File: M0819W.RES

Method : M:\MAX\DATA\210819\M0819W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Sep 17 15:19:33 2021
Response via : Initial Calibration

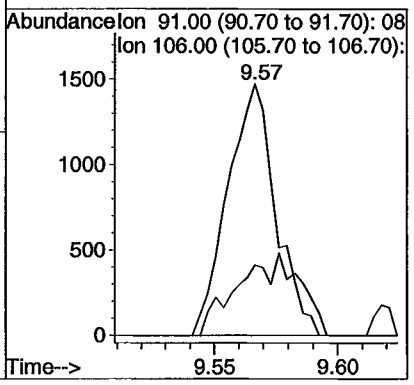


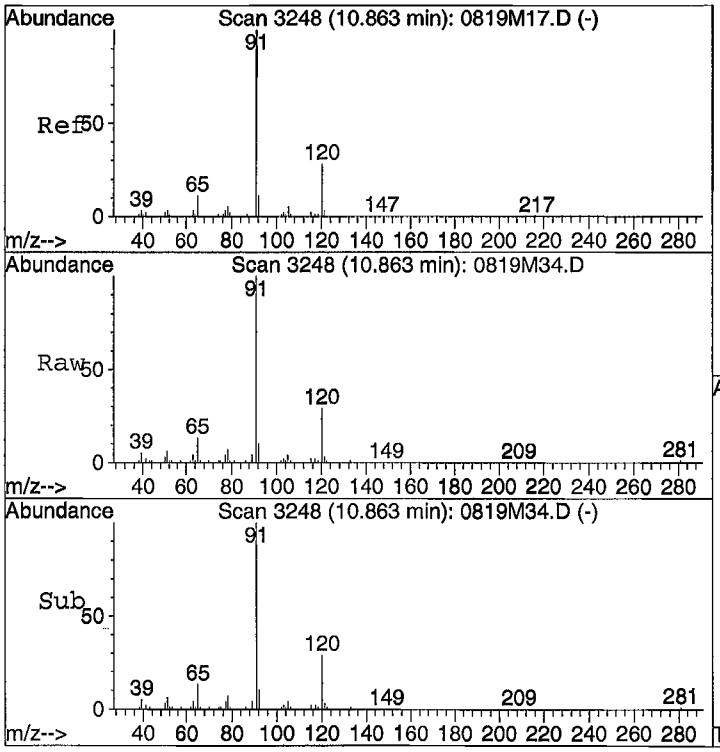


#78
Ethylbenzene
Concen: 0.30 ppb
RT: 9.57 min Scan# 2844
Delta R.T. 0.00 min
Lab File: 0819M34.D
Acq: 20 Aug 21 1:21

Tgt Ion: 91 Resp: 1995

Ion	Ratio	Lower	Upper
91	100		
106	28.1	23.3	43.3

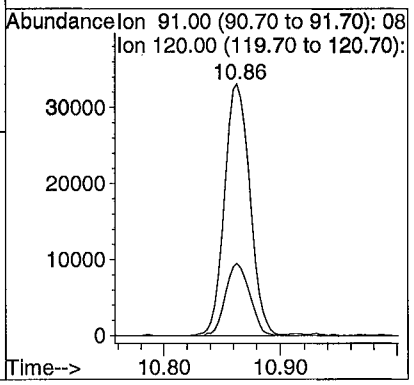


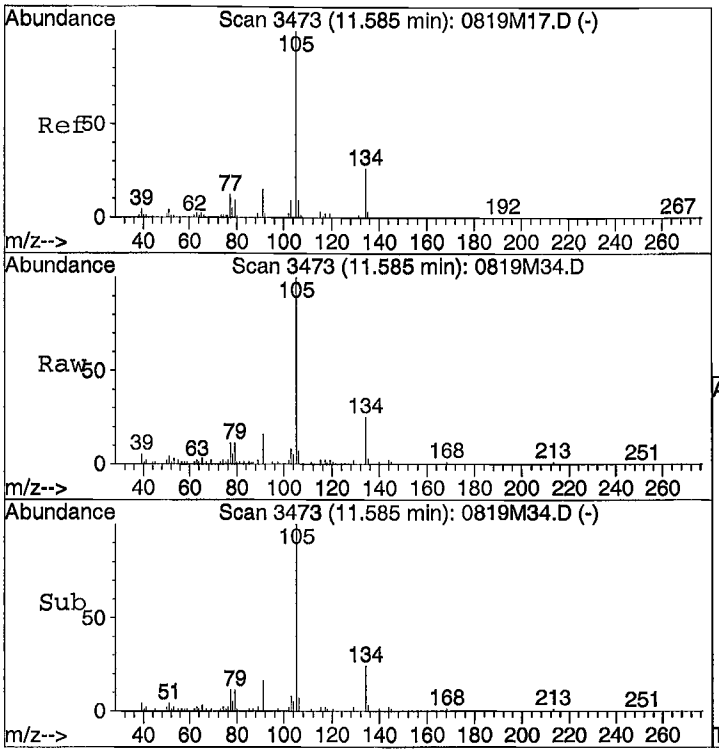


#86
n-Propylbenzene
Concen: 6.65 ppb
RT: 10.86 min Scan# 3248
Delta R.T. 0.00 min
Lab File: 0819M34.D
Acq: 20 Aug 21 1:21

Tgt Ion: 91 Resp: 50915

Ion	Ratio	Lower	Upper
91	100		
120	28.6	19.3	35.9

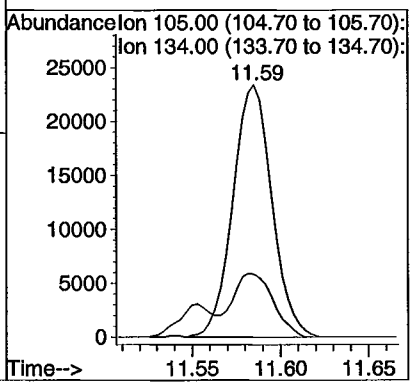


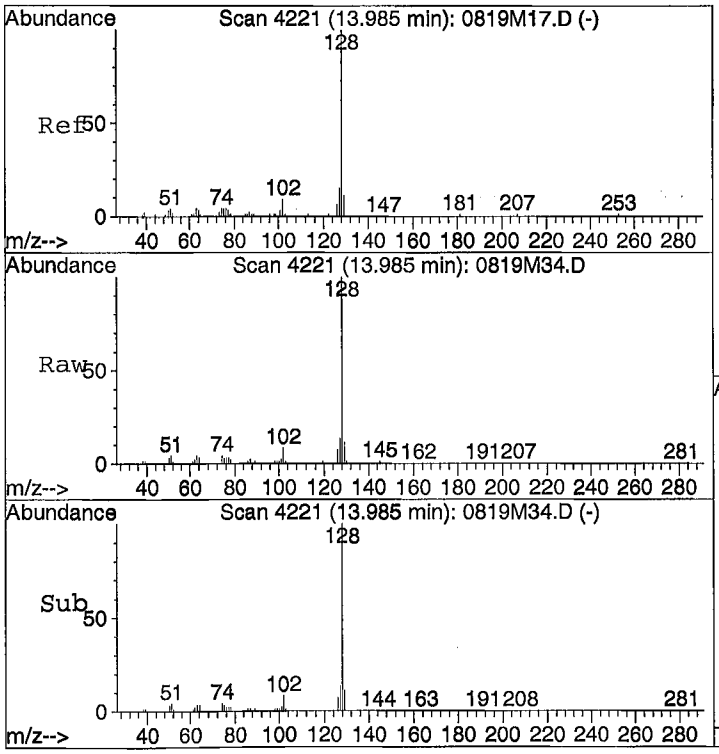


#93
Sec-Butylbenzene
Concen: 5.00 ppb
RT: 11.59 min Scan# 3473
Delta R.T. 0.00 min
Lab File: 0819M34.D
Acq: 20 Aug 21 1:21

Tgt Ion:105 Resp: 36068

Ion	Ratio	Lower	Upper
105	100		
134	24.9	18.1	33.7

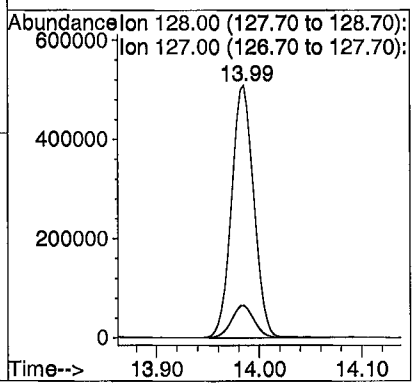




#104
Naphthalene
Concen: 153.30 ppb
RT: 13.99 min Scan# 4221
Delta R.T. 0.00 min
Lab File: 0819M34.D
Acq: 20 Aug 21 1:21

Tgt Ion:128 Resp: 509056

Ion	Ratio	Lower	Upper
128	100		
127	12.9	12.2	18.2



Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\210819\0819M35.D Vial: 25
Acq On : 20 Aug 21 1:49 Operator: LP,DG,CH
Sample : BA37427W01 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Sep 19 7:43 2021 Quant Results File: M0819W.RES

Quant Method : M:\MAX\DATA\210819\M0819W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Sep 17 15:19:33 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	322050	25.00	ppb	0.00
65) Chlorobenzene-D5 (IS)	9.42	117	259901	25.00	ppb	0.00
80) 1,4-Dichlorobenzene-D (IS)	11.75	152	160487	25.00	ppb	0.00
System Monitoring Compounds						
41) Dibromofluoromethane(S)	5.41	111	89940	24.19	ppb	0.00
Spiked Amount 25.000			Recovery = 96.748%			
46) 1,2-DCA-D4(S)	5.81	65	55848	23.91	ppb	0.00
Spiked Amount 25.000			Recovery = 95.648%			
66) Toluene-D8(S)	7.95	98	302468	24.74	ppb	0.00
Spiked Amount 25.000			Recovery = 98.944%			
74) 4-Bromofluorobenzene(S)	10.60	95	119342	24.86	ppb	0.00
Spiked Amount 25.000			Recovery = 99.428%			

Target Compounds Qvalue

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

Quantitation Report

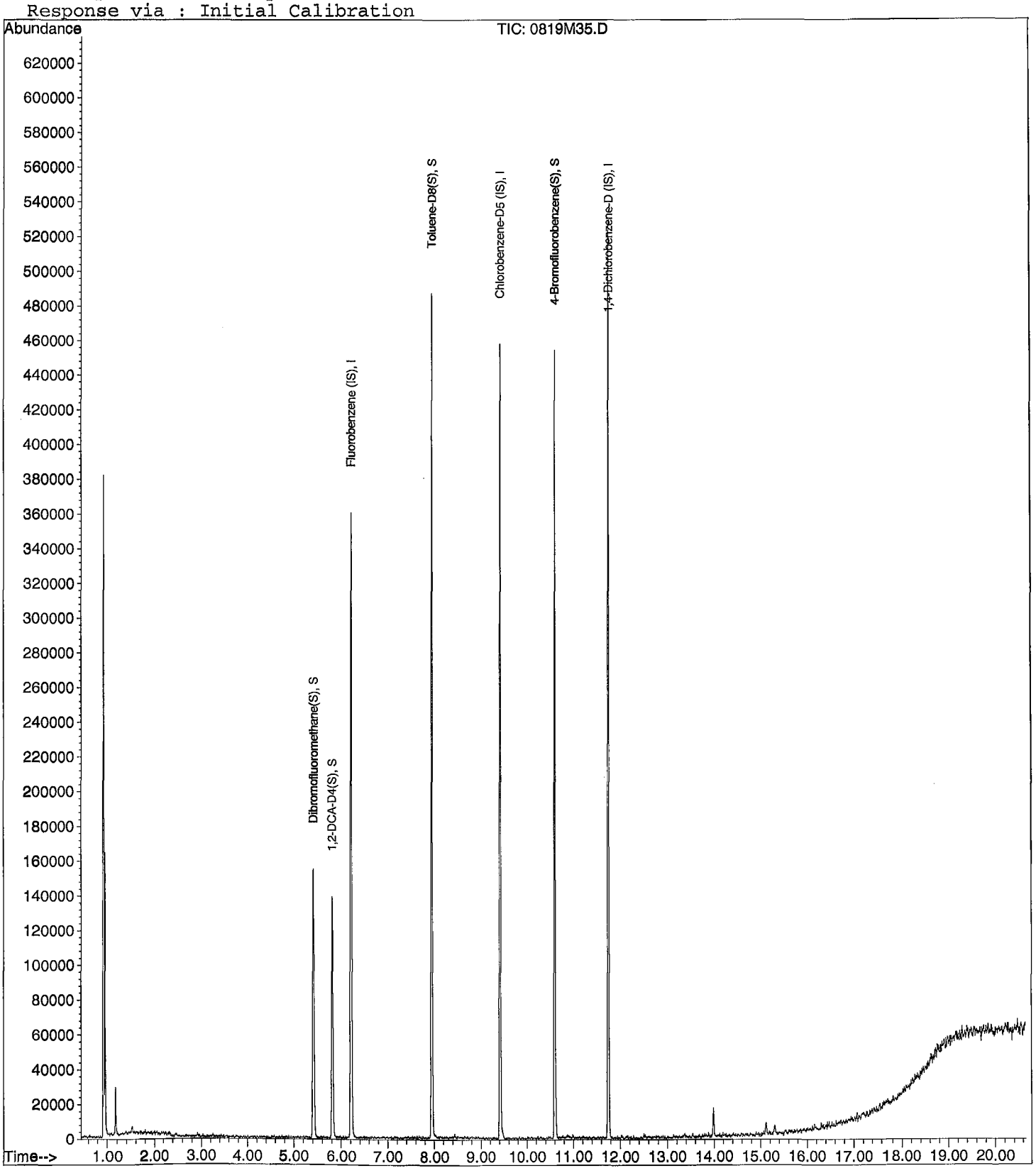
Data File : M:\MAX\DATA\210819\0819M35.D
Acq On : 20 Aug 21 1:49
Sample : BA37427W01
Misc : IS&S 6/4/21

Vial: 25
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Sep 19 7:43 2021

Quant Results File: M0819W.RES

Method : M:\MAX\DATA\210819\M0819W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Sep 17 15:19:33 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\210819\0819M36.D Vial: 26
Acq On : 20 Aug 21 2:17 Operator: LP,DG,CH
Sample : BA37428W01 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Sep 19 7:43 2021 Quant Results File: M0819W.RES

Quant Method : M:\MAX\DATA\210819\M0819W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Sep 17 15:19:33 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	314943	25.00	ppb	0.00
65) Chlorobenzene-D5 (IS)	9.41	117	255271	25.00	ppb	0.00
80) 1,4-Dichlorobenzene-D (IS)	11.75	152	157569	25.00	ppb	0.00
System Monitoring Compounds						
41) Dibromofluoromethane(S)	5.42	111	89816	24.70	ppb	0.00
Spiked Amount 25.000			Recovery = 98.792%			
46) 1,2-DCA-D4(S)	5.81	65	59240	25.94	ppb	0.00
Spiked Amount 25.000			Recovery = 103.744%			
66) Toluene-D8(S)	7.95	98	303076	25.24	ppb	0.00
Spiked Amount 25.000			Recovery = 100.940%			
74) 4-Bromofluorobenzene(S)	10.60	95	118670	25.17	ppb	0.00
Spiked Amount 25.000			Recovery = 100.660%			

Target Compounds Qvalue

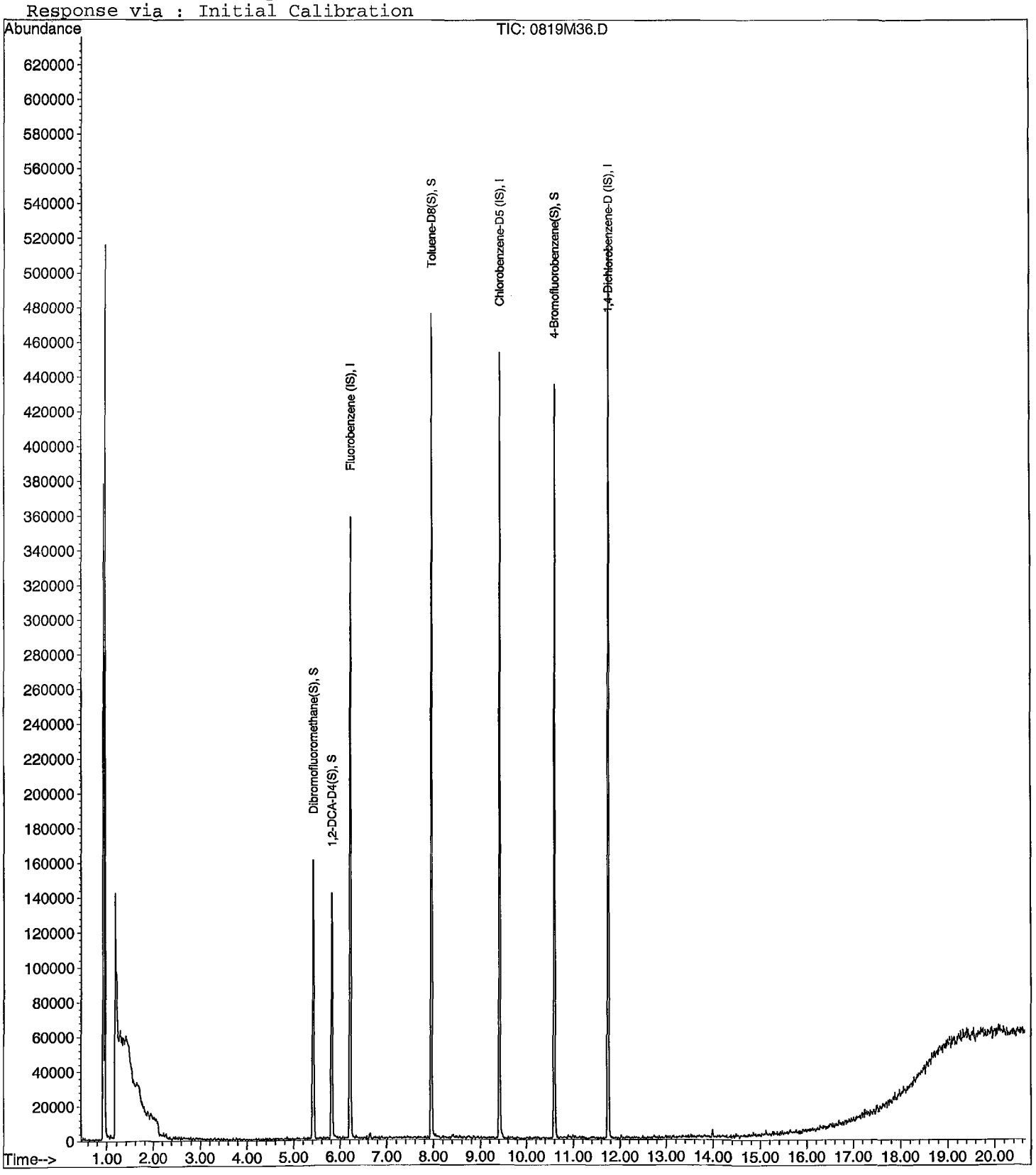
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\MAX\DATA\210819\0819M36.D Vial: 26
Acq On : 20 Aug 21 2:17 Operator: LP,DG,CH
Sample : BA37428W01 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Sep 19 7:43 2021 Quant Results File: M0819W.RES

Method : M:\MAX\DATA\210819\M0819W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Sep 17 15:19:33 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\210819\0819M37.D Vial: 27
Acq On : 20 Aug 21 2:45 Operator: LP,DG,CH
Sample : BA37430W01 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Sep 19 7:44 2021 Quant Results File: M0819W.RES

Quant Method : M:\MAX\DATA\210819\M0819W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Sep 17 15:19:33 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	308614	25.00	ppb	0.00
65) Chlorobenzene-D5 (IS)	9.41	117	259229	25.00	ppb	0.00
80) 1,4-Dichlorobenzene-D (IS)	11.75	152	154466	25.00	ppb	0.00
System Monitoring Compounds						
41) Dibromofluoromethane(S)	5.41	111	88204	24.75	ppb	0.00
Spiked Amount 25.000			Recovery =	99.012%		
46) 1,2-DCA-D4(S)	5.82	65	56696	25.33	ppb	0.00
Spiked Amount 25.000			Recovery =	101.328%		
66) Toluene-D8(S)	7.95	98	296828	24.34	ppb	0.00
Spiked Amount 25.000			Recovery =	97.352%		
74) 4-Bromofluorobenzene(S)	10.60	95	118759	24.80	ppb	0.00
Spiked Amount 25.000			Recovery =	99.200%		

Target Compounds Qvalue

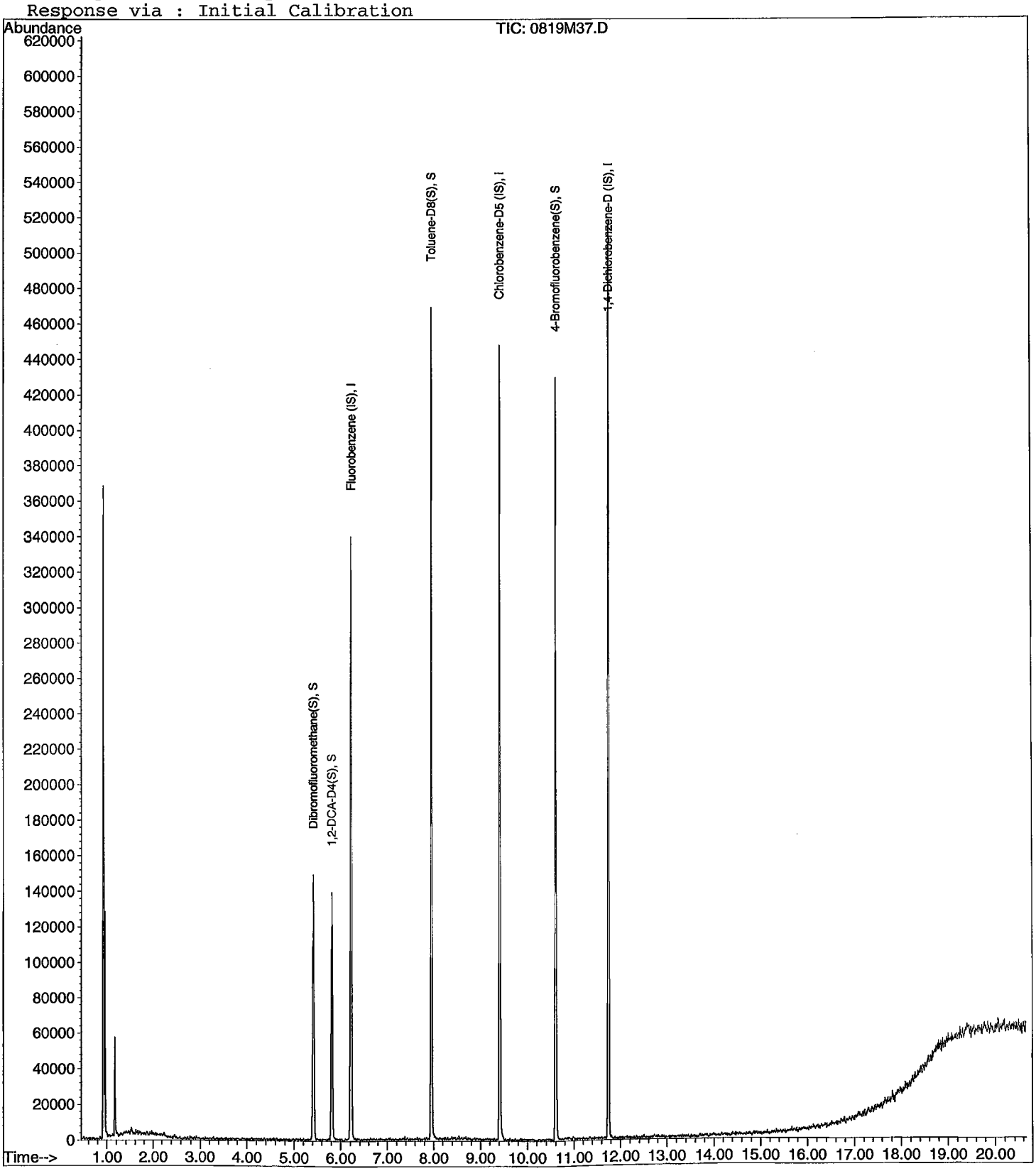
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\MAX\DATA\210819\0819M37.D Vial: 27
Acq On : 20 Aug 21 2:45 Operator: LP,DG,CH
Sample : BA37430W01 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Sep 19 7:44 2021 Quant Results File: M0819W.RES

Method : M:\MAX\DATA\210819\M0819W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Sep 17 15:19:33 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\210819\0819M38.D Vial: 28
Acq On : 20 Aug 21 3:13 Operator: LP,DG,CH
Sample : BA37431W01 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Sep 19 7:45 2021 Quant Results File: M0819W.RES

Quant Method : M:\MAX\DATA\210819\M0819W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Sep 17 15:19:33 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	306739	25.00 ppb	0.00
65) Chlorobenzene-D5 (IS)	9.41	117	250926	25.00 ppb	0.00
80) 1,4-Dichlorobenzene-D (IS)	11.75	152	153789	25.00 ppb	0.00
System Monitoring Compounds					
41) Dibromofluoromethane(S)	5.41	111	88953	25.12 ppb	0.00
Spiked Amount 25.000			Recovery =	100.460%	
46) 1,2-DCA-D4(S)	5.82	65	56296	25.31 ppb	0.00
Spiked Amount 25.000			Recovery =	101.228%	
66) Toluene-D8(S)	7.95	98	296996	25.16 ppb	0.00
Spiked Amount 25.000			Recovery =	100.628%	
74) 4-Bromofluorobenzene(S)	10.60	95	116842	25.21 ppb	0.00
Spiked Amount 25.000			Recovery =	100.828%	

Target Compounds Qvalue

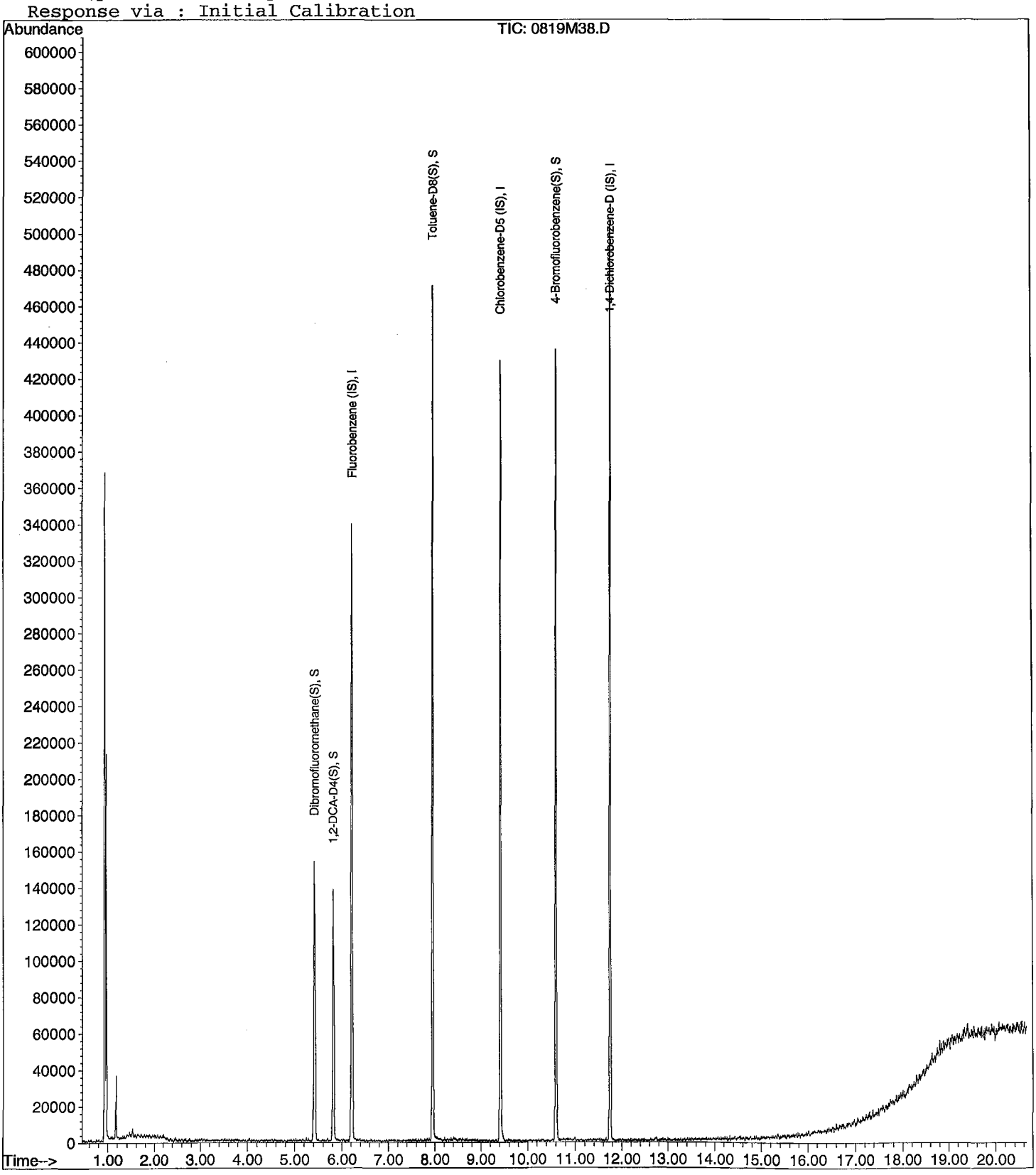
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\MAX\DATA\210819\0819M38.D Vial: 28
Acq On : 20 Aug 21 3:13 Operator: LP,DG,CH
Sample : BA37431W01 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Sep 19 7:45 2021 Quant Results File: M0819W.RES

Method : M:\MAX\DATA\210819\M0819W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Sep 17 15:19:33 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\210818\0818M07.D Vial: 4
Acq On : 18 Aug 21 16:06 Operator: LP,DG,CH
Sample : 210818A BLK Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Sep 19 10:50 2021 Quant Results File: M0816NEW.RES

Quant Method : M:\MAX\DATA\210816\M0816NEW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sun Sep 19 10:31:26 2021
Response via : Initial Calibration
DataAcq Meth : 081621_M8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.31	96	28390	25.00	ppb	0.00
6) Chlorobenzene-D5 (IS)	9.77	117	24618	25.00	ppb	0.00
12) 1,4-Dichlorobenzene-D (IS)	12.33	152	14937	25.00	ppb	0.00
System Monitoring Compounds						
2) Dibromofluoromethane(S)	5.46	111	7904	24.04	ppb	0.00
Spiked Amount 25.000			Recovery = 96.176%			
3) 1,2-DCA-D4(S)	5.88	65	4877	24.78	ppb	0.00
Spiked Amount 25.000			Recovery = 99.124%			
7) Toluene-D8(S)	8.17	98	28761	22.94	ppb	0.00
Spiked Amount 25.000			Recovery = 91.772%			
10) 4-Bromofluorobenzene(S)	11.06	95	11588	24.05	ppb	0.00
Spiked Amount 25.000			Recovery = 96.180%			

Target Compounds Qvalue

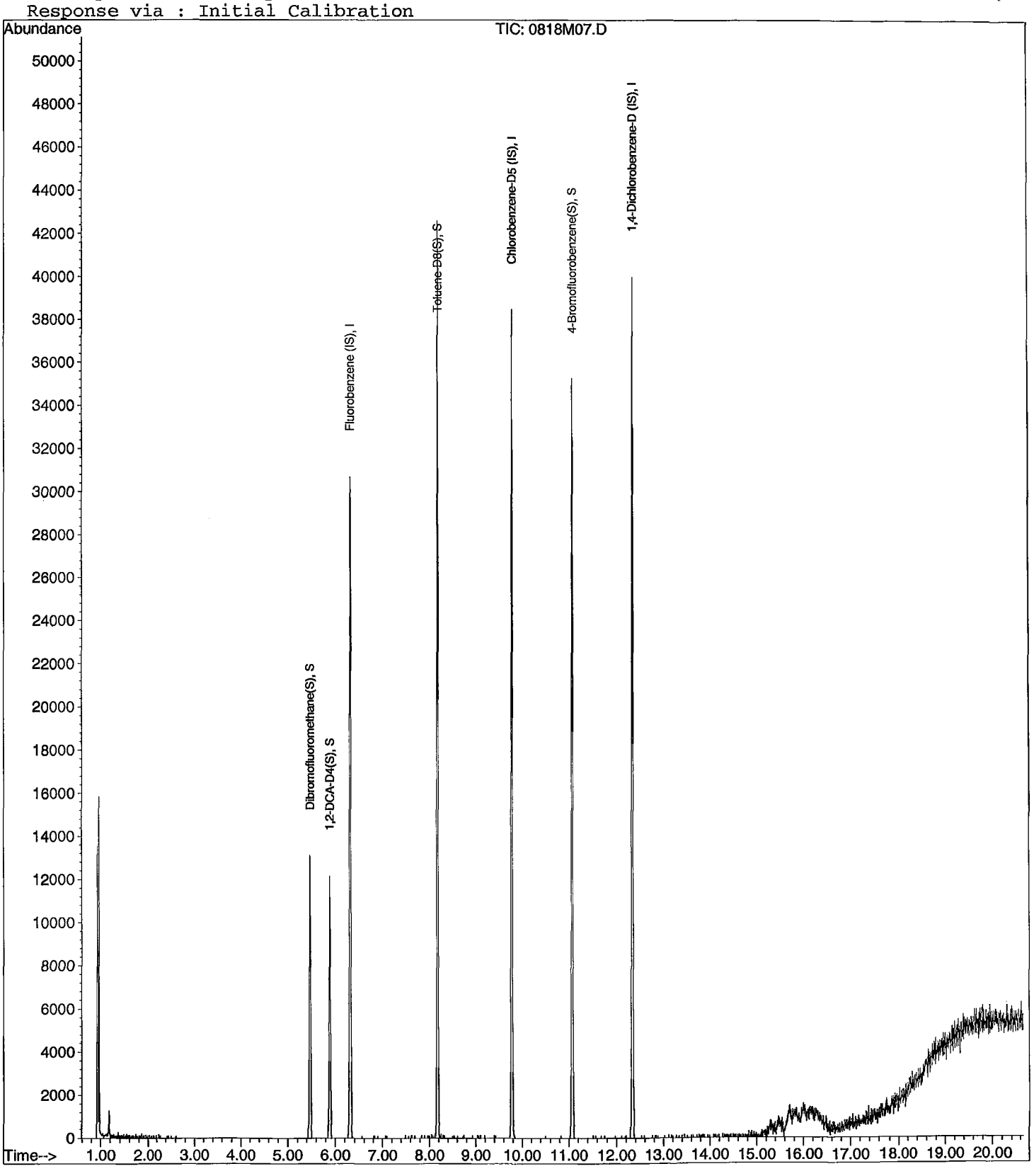
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\MAX\DATA\210818\0818M07.D Vial: 4
Acq On : 18 Aug 21 16:06 Operator: LP,DG,CH
Sample : 210818A BLK Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Sep 19 10:50 2021 Quant Results File: M0816NEW.RES

Method : M:\MAX\DATA\210816\M0816NEW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sun Sep 19 10:31:26 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\210818\0818M03.D Vial: 3
Acq On : 18 Aug 21 14:14 Operator: LP,DG,CH
Sample : 210818A LCS 10ug/L Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Sep 19 10:49 2021 Quant Results File: M0816NEW.RES

Quant Method : M:\MAX\DATA\210816\M0816NEW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sun Sep 19 10:31:26 2021
Response via : Initial Calibration
DataAcq Meth : 081621_M8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.30	96	28410	25.00	ppb	0.00
6) Chlorobenzene-D5 (IS)	9.76	117	24496	25.00	ppb	0.00
12) 1,4-Dichlorobenzene-D (IS)	12.33	152	15566	25.00	ppb	0.00
System Monitoring Compounds						
2) Dibromofluoromethane(S)	5.46	111	8079	24.56	ppb	0.00
Spiked Amount 25.000			Recovery = 98.236%			
3) 1,2-DCA-D4(S)	5.88	65	5205	26.43	ppb	0.00
Spiked Amount 25.000			Recovery = 105.716%			
7) Toluene-D8(S)	8.17	98	29516	23.66	ppb	0.00
Spiked Amount 25.000			Recovery = 94.652%			
10) 4-Bromofluorobenzene(S)	11.06	95	11666	24.33	ppb	0.00
Spiked Amount 25.000			Recovery = 97.312%			
Target Compounds						Qvalue
4) Benzene	5.93	78	4715	9.86	ppb	93
5) Toluene	8.24	91	5572	10.46	ppb	99
8) m&p-Xylene	10.06	106	5494	19.31	ppb	82
9) o-Xylene	10.49	106	2783	9.84	ppb	83
11) Ethylbenzene	9.93	91	6567	9.77	ppb	99

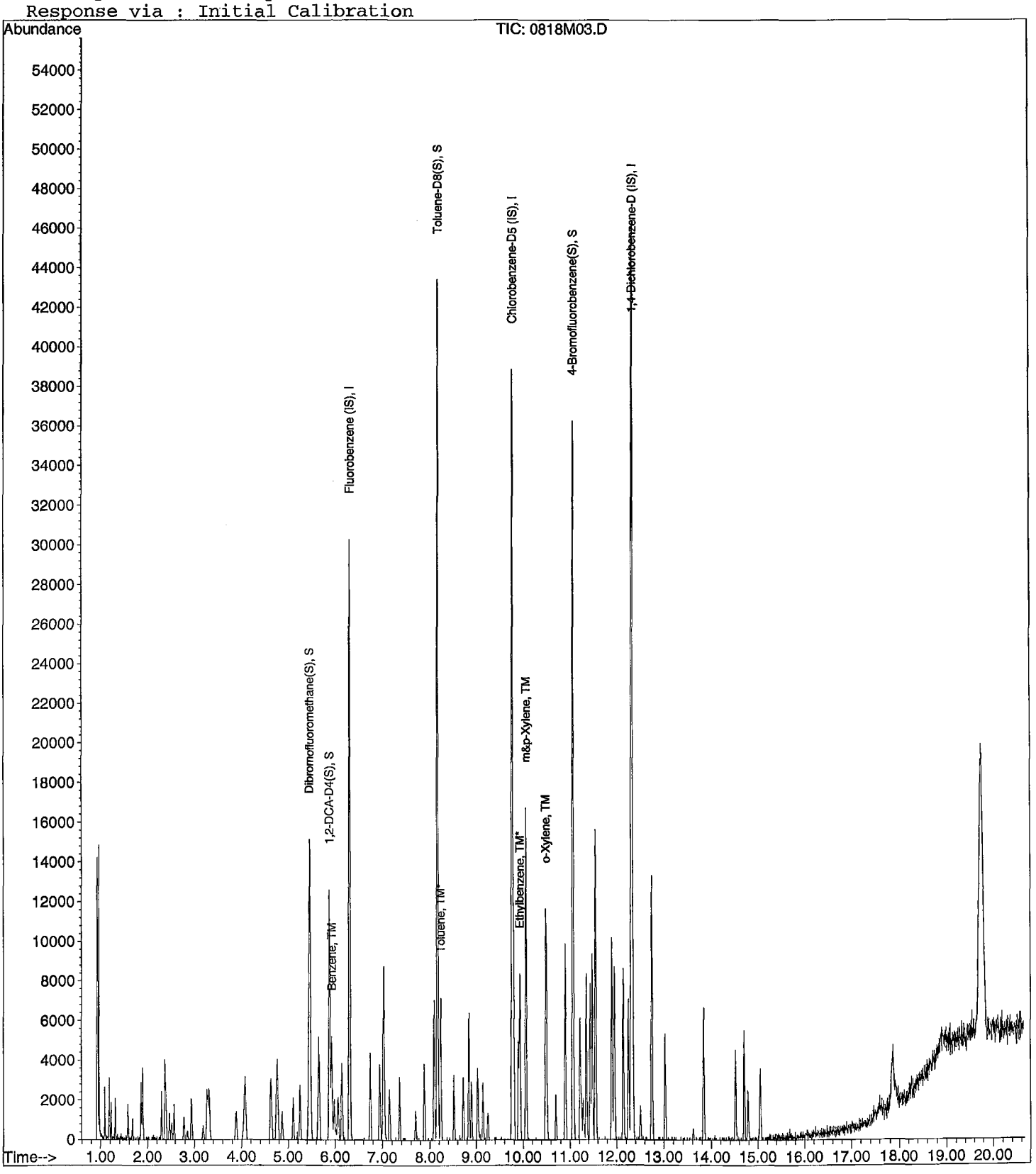
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\MAX\DATA\210818\0818M03.D Vial: 3
Acq On : 18 Aug 21 14:14 Operator: LP,DG,CH
Sample : 210818A LCS 10ug/L Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Sep 19 10:49 2021 Quant Results File: M0816NEW.RES

Method : M:\MAX\DATA\210816\M0816NEW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sun Sep 19 10:31:26 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\210818\0818M04.D Vial: 1
Acq On : 18 Aug 21 14:42 Operator: LP,DG,CH
Sample : 210818A LCSD 10ug/L Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Sep 19 10:50 2021 Quant Results File: M0816NEW.RES

Quant Method : M:\MAX\DATA\210816\M0816NEW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sun Sep 19 10:31:26 2021
Response via : Initial Calibration
DataAcq Meth : 081621_M8260

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene (IS)	6.30	96	28711	25.00	ppb		0.00
6) Chlorobenzene-D5 (IS)	9.76	117	24413	25.00	ppb		0.00
12) 1,4-Dichlorobenzene-D (IS)	12.32	152	15608	25.00	ppb		0.00
System Monitoring Compounds							
2) Dibromofluoromethane(S)	5.46	111	7874	23.68	ppb		0.00
Spiked Amount 25.000			Recovery = 94.740%				
3) 1,2-DCA-D4(S)	5.88	65	4787	24.05	ppb		0.00
Spiked Amount 25.000			Recovery = 96.208%				
7) Toluene-D8(S)	8.17	98	28292	22.76	ppb		0.00
Spiked Amount 25.000			Recovery = 91.032%				
10) 4-Bromofluorobenzene(S)	11.06	95	11522	24.11	ppb		0.00
Spiked Amount 25.000			Recovery = 96.436%				
Target Compounds							Qvalue
4) Benzene	5.92	78	4454	9.22	ppb	#	90
5) Toluene	8.24	91	5484	10.18	ppb		92
8) m&p-Xylene	10.06	106	5364	18.92	ppb		99
9) o-Xylene	10.49	106	2922	10.37	ppb		91
11) Ethylbenzene	9.92	91	6425	9.59	ppb		100

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

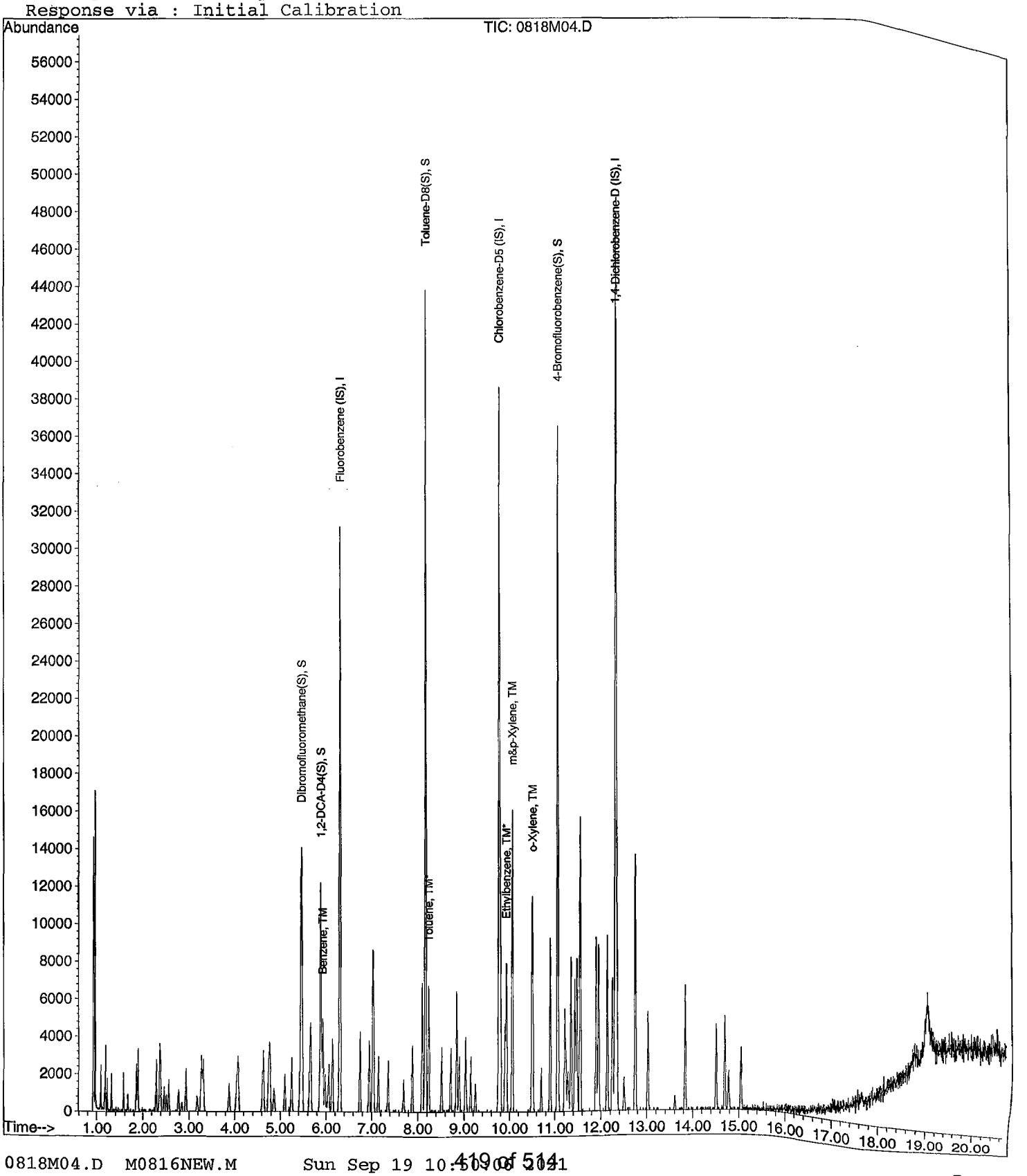
Quantitation Report

Data File : M:\MAX\DATA\210818\0818M04.D
Acq On : 18 Aug 21 14:42
Sample : 210818A LCSD 10ug/L
Misc : IS&S 6/4/21

Vial: 1
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Sep 19 10:50 2021 Quant Results File: M0816NEW.RES

Method : M:\MAX\DATA\210816\M0816NEW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sun Sep 19 10:31:26 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\210819\0819M26.D
Acq On : 19 Aug 21 21:38
Sample : 210819A BLK
Misc : IS&S 6/4/21

Vial: 16
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Sep 19 7:39 2021 Quant Results File: M0819W.RES

Quant Method : M:\MAX\DATA\210819\M0819W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Sep 17 15:19:33 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	335966	25.00 ppb	0.00
65) Chlorobenzene-D5 (IS)	9.41	117	271911	25.00 ppb	0.00
80) 1,4-Dichlorobenzene-D (IS)	11.75	152	163893	25.00 ppb	0.00
System Monitoring Compounds					
41) Dibromofluoromethane(S)	5.41	111	92958	23.96 ppb	0.00
Spiked Amount 25.000			Recovery =	95.852%	
46) 1,2-DCA-D4(S)	5.82	65	60528	24.84 ppb	0.00
Spiked Amount 25.000			Recovery =	99.368%	
66) Toluene-D8(S)	7.95	98	320736	25.07 ppb	0.00
Spiked Amount 25.000			Recovery =	100.284%	
74) 4-Bromofluorobenzene(S)	10.60	95	125922	25.07 ppb	0.00
Spiked Amount 25.000			Recovery =	100.276%	

Target Compounds Qvalue

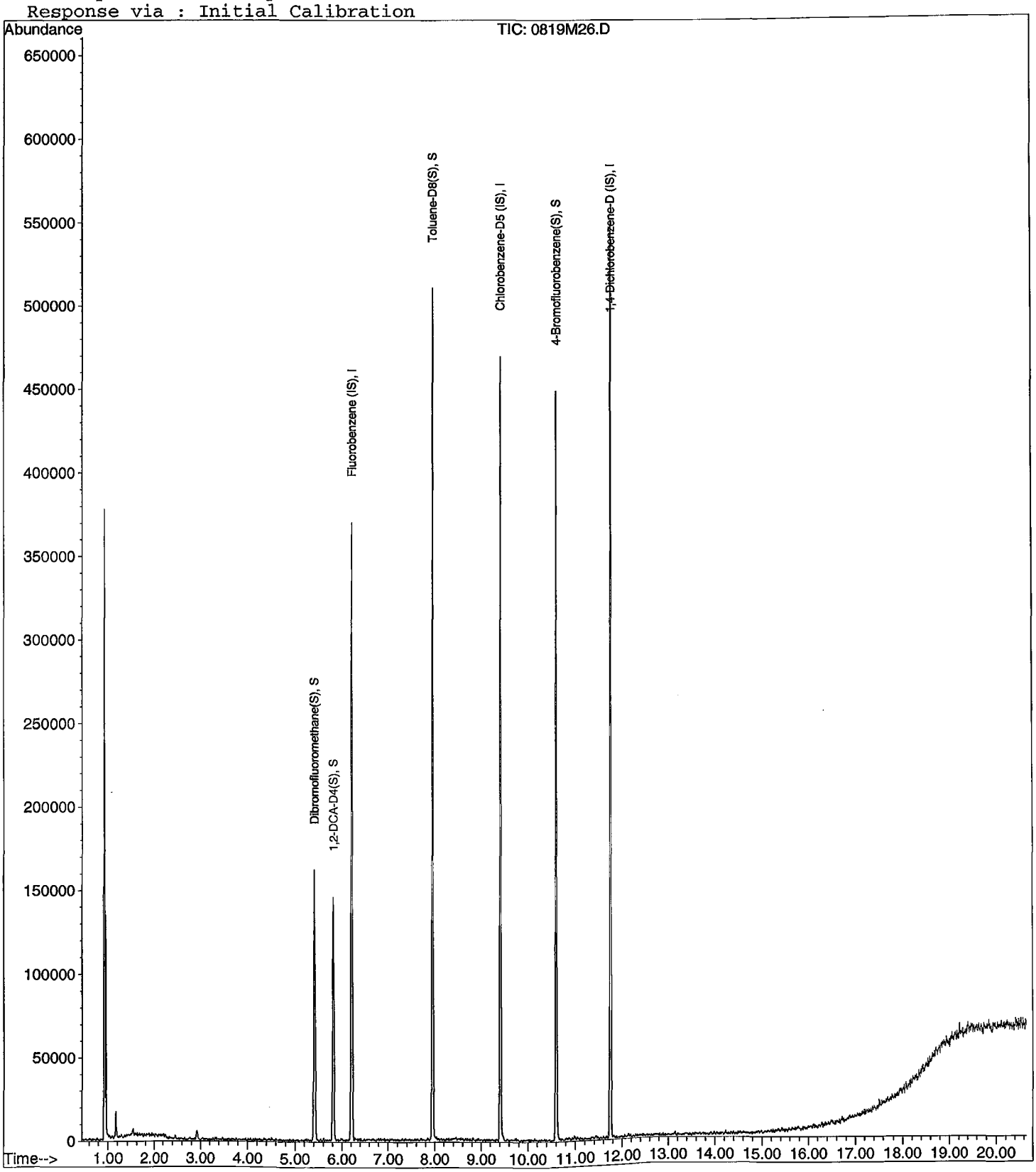
(#) = qualifier out of range (m) = manual integration
0819M26.D M0819W.M Sun Sep 19 07:48:42 2021

Quantitation Report

Data File : M:\MAX\DATA\210819\0819M26.D Vial: 16
Acq On : 19 Aug 21 21:38 Operator: LP,DG,CH
Sample : 210819A BLK Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Sep 19 7:39 2021 Quant Results File: M0819W.RES

Method : M:\MAX\DATA\210819\M0819W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Sep 17 15:19:33 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\210819\0819M23.D Vial: 13
Acq On : 19 Aug 21 20:14 Operator: LP,DG,CH
Sample : 210819A LCSD 10ug/L Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Sep 19 7:37 2021 Quant Results File: M0819W.RES

Quant Method : M:\MAX\DATA\210819\M0819W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Sep 17 15:19:33 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	336662	25.00	ppb		0.00
65) Chlorobenzene-D5 (IS)	9.41	117	276273	25.00	ppb		0.00
80) 1,4-Dichlorobenzene-D (IS)	11.75	152	168592	25.00	ppb		0.00
System Monitoring Compounds							
41) Dibromofluoromethane(S)	5.41	111	96260	24.76	ppb		0.00
Spiked Amount 25.000			Recovery = 99.052%				
46) 1,2-DCA-D4(S)	5.81	65	58080	23.79	ppb		0.00
Spiked Amount 25.000			Recovery = 95.152%				
66) Toluene-D8(S)	7.95	98	319680	24.59	ppb		0.00
Spiked Amount 25.000			Recovery = 98.376%				
74) 4-Bromofluorobenzene(S)	10.60	95	129062	25.29	ppb		0.00
Spiked Amount 25.000			Recovery = 101.156%				
Target Compounds							Qvalue
3) Dichlorodifluoromethane	1.09	85	18897	9.85	ppb		96
4) Freon 114	1.18	85	9864	8.61	ppb		100
5) Chloromethane	1.22	50	10048	8.22	ppb	#	88
6) Vinyl chloride	1.31	62	12093	8.81	ppb	#	82
8) Bromomethane	1.56	94	7482	8.52	ppb		99
9) Chloroethane	1.66	64	6346	10.02	ppb	#	83
10) Dichlorofluoromethane	1.84	67	23258	9.11	ppb		91
11) Trichlorofluoromethane	1.88	101	29984	10.08	ppb		99
13) Acrolein	2.29	56	20054	122.46	ppb		97
14) Acetone	2.46	43	20173	55.16	ppb		93
15) Freon-113	2.38	151	12749	8.75	ppb		98
16) Acetonitrile	2.76	41	14456	123.44	ppb	#	85
18) 1,2-Dichlorotrifluoroethan	2.19	67	14878	10.09	ppb	#	94
19) 1,1-DCE	2.36	61	19023	9.12	ppb		97
20) t-Butanol	3.16	59	16537	132.51	ppb		99
21) Methyl Acetate	2.83	43	7041	9.40	ppb		92
22) Iodomethane	2.51	142	9555	8.90	ppb	#	90
23) Acrylonitrile	3.26	53	3888	8.99	ppb	#	78
25) Methylene chloride	2.91	84	13781	8.72	ppb		96
26) Carbon disulfide	2.56	76	17536	9.04	ppb		97
27) Methyl t-butyl ether (MtBE	3.29	73	45537	9.10	ppb		99
28) Trans-1,2-DCE	3.25	96	14197	9.03	ppb		98
30) Hexane	3.65	56	7113	9.20	ppb		91
31) Diisopropyl Ether	4.05	45	34060	9.48	ppb		91
32) 1,1-DCA	3.86	63	22492	8.99	ppb		98
34) Ethyl tert Butyl Ether	4.60	59	40925	9.67	ppb		93
36) MEK (2-Butanone)	4.83	43	24958	54.42	ppb		91
37) Cis-1,2-DCE	4.75	96	16560	9.71	ppb		85
38) 2,2-Dichloropropane	4.73	77	25379	8.73	ppb		96
39) Chloroform	5.21	83	29003	9.10	ppb		93
40) Bromochloromethane	5.07	130	12574	9.56	ppb		92
42) 1,1,1-TCA	5.39	97	27857	8.85	ppb	#	93
43) Cyclohexane	5.43	41	8861	8.99	ppb		74
44) 1,1-Dichloropropene	5.61	75	17492	9.32	ppb		96
45) 2,2,4-Trimethylpentane	5.99	57	26654	8.67	ppb		96
47) Carbon Tetrachloride	5.59	117	24966	9.05	ppb		97
48) Tert Amyl Methyl Ether	6.06	73	38679	8.69	ppb	#	96
49) 1,2-DCA	5.91	62	23475	9.98	ppb		98
50) Benzene	5.86	78	53485	9.40	ppb		96
51) TCE	6.63	95	14744	9.37	ppb		90

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

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\210819\0819M23.D Vial: 13
Acq On : 19 Aug 21 20:14 Operator: LP,DG,CH
Sample : 210819A LCSD 10ug/L Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Sep 19 7:37 2021 Quant Results File: M0819W.RES

Quant Method : M:\MAX\DATA\210819\M0819W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Sep 17 15:19:33 2021
Response via : Initial Calibration
DataAcq Meth : M8260_081021

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
52)	2-Pentanone	6.90	43	98196	134.51	ppb		98
53)	1,2-Dichloropropane	6.88	63	6894	10.19	ppb		95
54)	Bromodichloromethane	7.20	83	23005	10.16	ppb		93
55)	Methyl Cyclohexane	6.82	83	17631	8.39	ppb		93
56)	Dibromomethane	7.01	93	9174	10.18	ppb		92
57)	MIBK (methyl isobutyl ket	7.89	43	50415	52.13	ppb		98
58)	1-Bromo-2-chloroethane	7.52	144	3469	10.19	ppb		91
60)	Cis-1,3-Dichloropropene	7.69	39	13026	9.47	ppb	#	86
61)	Toluene	8.02	91	58906	9.45	ppb		97
62)	Trans-1,3-Dichloropropene	8.28	75	21448	9.21	ppb		91
63)	1,1,2-TCA	8.46	83	9939	9.61	ppb		85
64)	2-Hexanone	8.75	43	32972	52.82	ppb		98
67)	1,2-EDB	8.94	107	12834	9.56	ppb		97
68)	Tetrachloroethene	8.57	164	12713	10.20	ppb		94
69)	1-Chlorohexane	9.45	91	14966	8.95	ppb		97
70)	1,1,1,2-Tetrachloroethane	9.53	131	20025	9.87	ppb		92
71)	m&p-Xylene	9.69	106	58563	19.13	ppb		99
72)	o-Xylene	10.08	106	29937	9.33	ppb		93
73)	Styrene	10.10	104	45599	9.35	ppb	#	98
75)	1,3-Dichloropropane	8.62	76	19753	9.09	ppb		93
76)	Dibromochloromethane	8.84	129	19977	10.13	ppb		82
77)	Chlorobenzene	9.44	112	45068	9.86	ppb		98
78)	Ethylbenzene	9.56	91	67641	9.40	ppb		99
79)	Bromoform	10.27	173	14480	9.23	ppb		86
81)	Isopropylbenzene	10.45	105	74697	9.70	ppb		98
82)	1,1,2,2-Tetrachloroethane	10.77	83	13290	9.64	ppb		97
83)	1,2,3-Trichloropropane	10.80	110	6794	11.23	ppb		92
84)	t-1,4-Dichloro-2-Butene	10.82	53	3754	11.93	ppb		82
85)	Bromobenzene	10.73	156	22886	9.23	ppb		96
86)	n-Propylbenzene	10.86	91	74280	9.39	ppb		100
87)	4-Ethyltoluene	10.98	105	72101	9.59	ppb		96
88)	2-Chlorotoluene	10.94	91	57302	10.43	ppb		97
89)	1,3,5-Trimethylbenzene	11.05	105	64727	9.75	ppb		96
90)	4-Chlorotoluene	11.05	91	56975	9.45	ppb		96
91)	Tert-Butylbenzene	11.37	119	37104	9.44	ppb		95
92)	1,2,4-Trimethylbenzene	11.41	105	66178	9.81	ppb		98
93)	Sec-Butylbenzene	11.59	105	71178	9.55	ppb		95
94)	p-Isopropyltoluene	11.74	119	69421	9.94	ppb		99
95)	Benzyl Chloride	11.92	91	16824	8.23	ppb		99
96)	1,3-DCB	11.77	146	44552	10.28	ppb	#	87
97)	1,4-DCB	11.68	146	45370	10.11	ppb		92
98)	n-Butylbenzene	12.14	91	45449	9.93	ppb		97
99)	1,2-DCB	12.14	146	40960	9.34	ppb		97
100)	Hexachloroethane	12.38	117	11690	9.11	ppb		74
101)	1,2-Dibromo-3-chloropropan	12.92	157	4351	9.87	ppb		95
102)	1,2,4-Trichlorobenzene	13.74	180	24327	10.53	ppb		95
103)	Hexachlorobutadiene	13.92	225	16476	10.47	ppb		98
104)	Naphthalene	13.98	128	21384	9.82	ppb	#	91
105)	1,2,3-Trichlorobenzene	14.23	180	20799	9.01	ppb		91

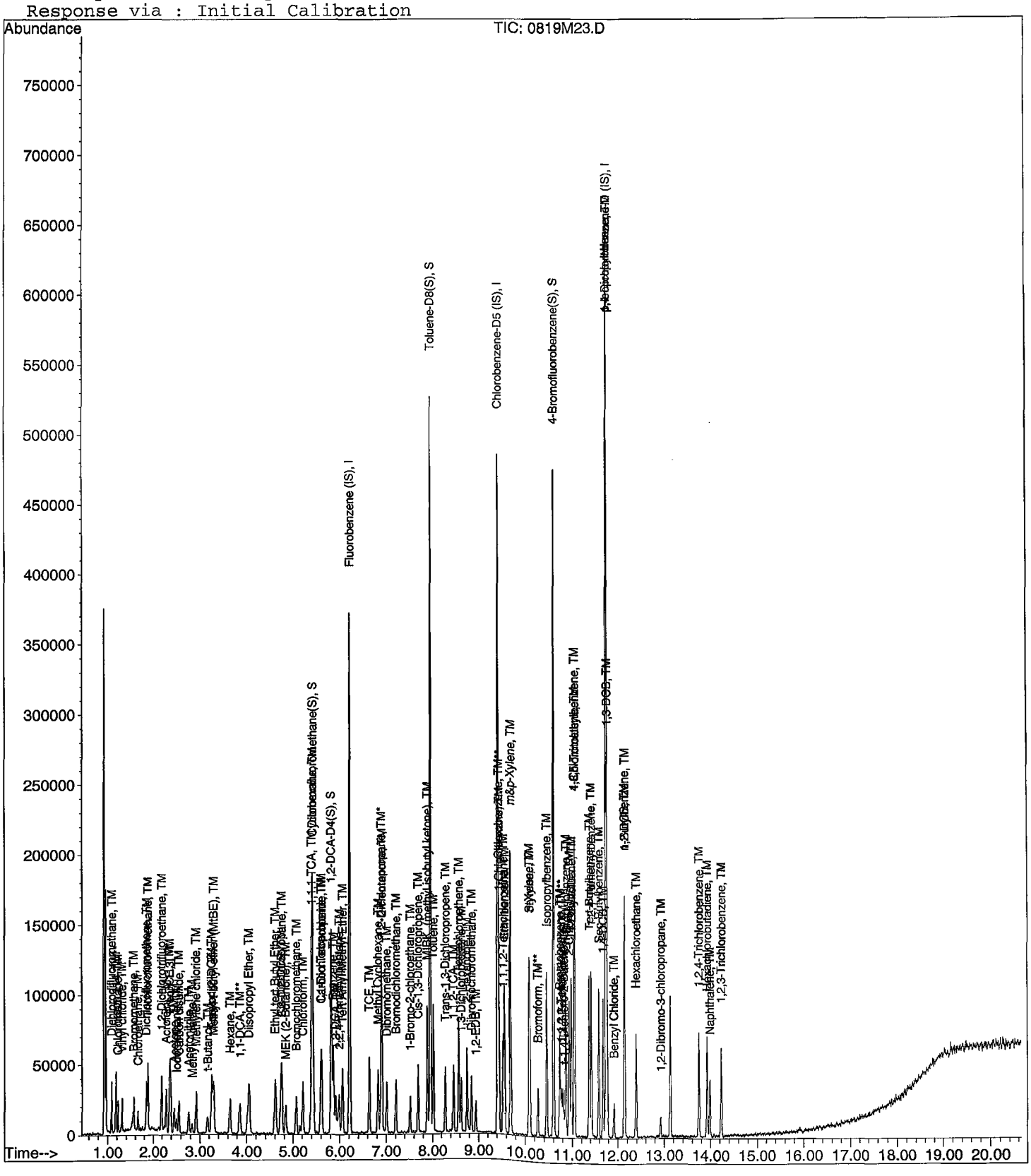
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\MAX\DATA\210819\0819M23.D Vial: 13
Acq On : 19 Aug 21 20:14 Operator: LP,DG,CH
Sample : 210819A LCSD 10ug/L Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Sep 19 7:37 2021 Quant Results File: M0819W.RES

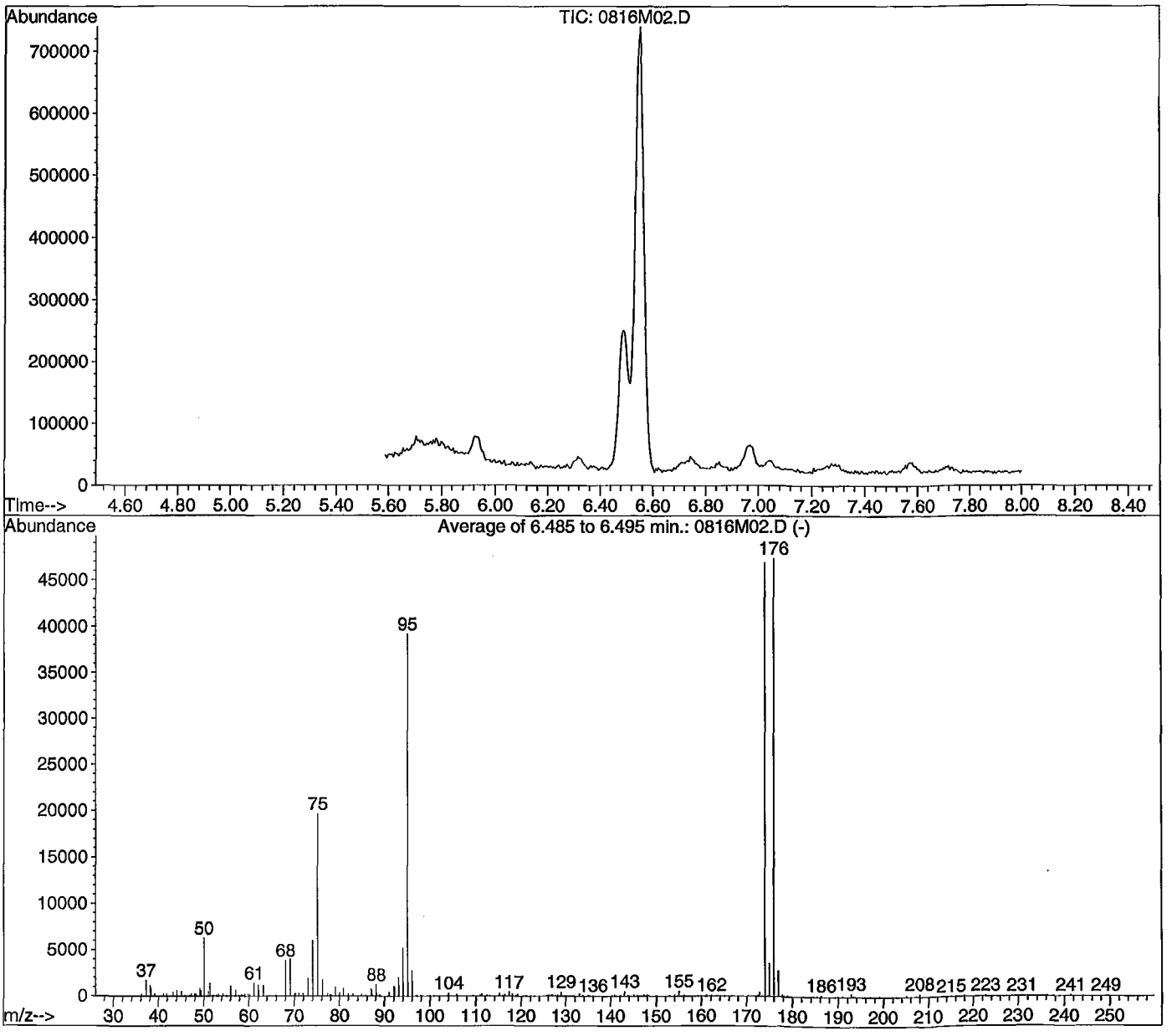
Method : M:\MAX\DATA\210819\M0819W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Sep 17 15:19:33 2021
Response via : Initial Calibration



Data File : M:\MAX\DATA\210816\0816M02.D
Acq On : 16 Aug 21 13:05
Sample : 25ug/L BFB STD 7/13/21
Misc : 2ul

Vial: 1
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Method : M:\MAX\DATA\210816\M0816NEW.M (RTE Integrator)
Title : METHOD 8260B



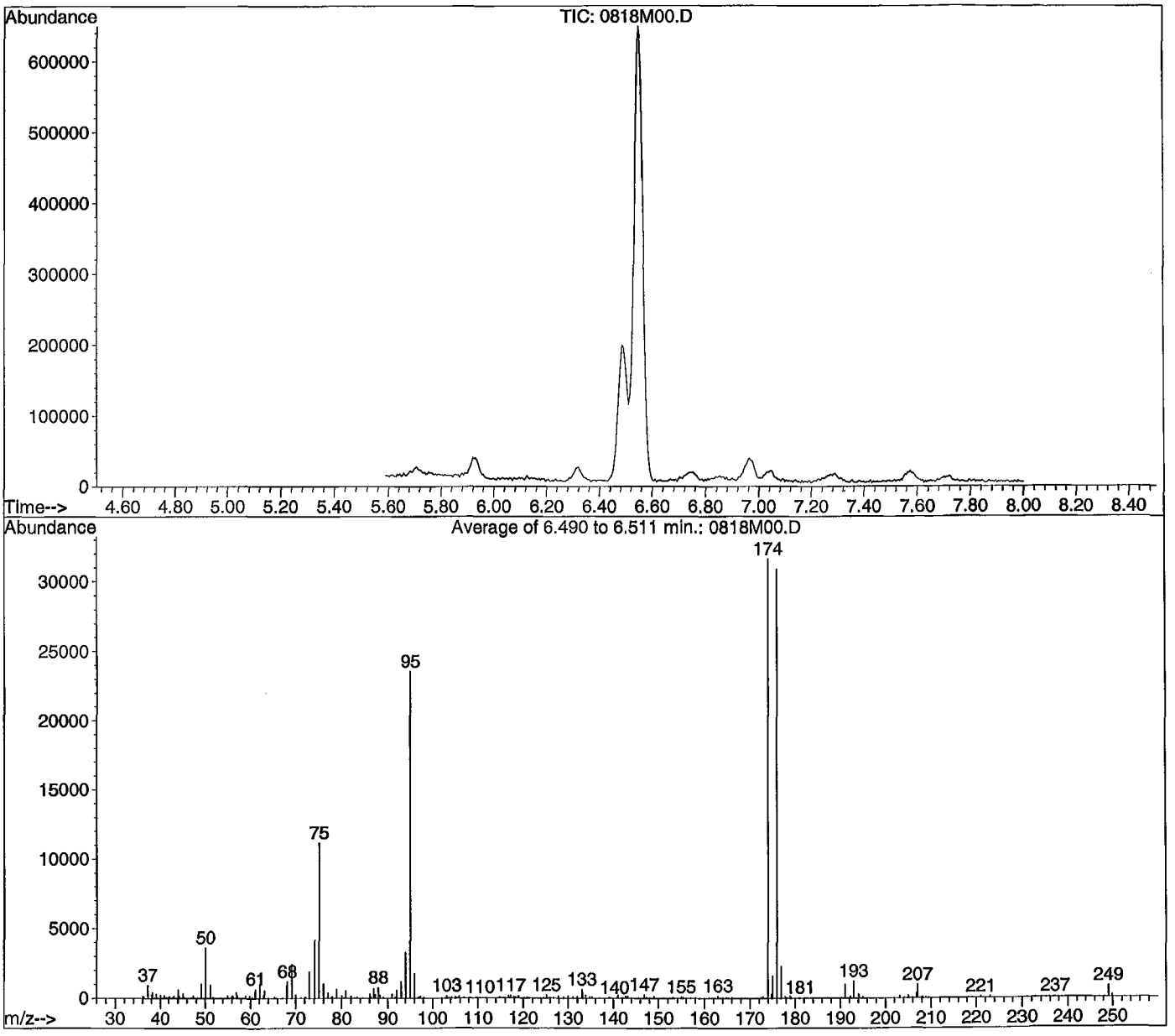
Spectrum Information: Average of 6.485 to 6.495 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	16.0	6247	PASS
75	95	30	60	50.2	19651	PASS
95	95	100	200	100.0	39141	PASS
96	95	5	9	7.0	2754	PASS
173	174	0.00	2	0.9	421	PASS
174	95	50	200	119.8	46891	PASS
175	174	5	9	7.7	3605	PASS
176	174	95	101	101.0	47341	PASS
177	176	5	9	5.8	2754	PASS

Data File : M:\MAX\DATA\210818\0818M00.D
Acq On : 18 Aug 21 12:58
Sample : 25ug/L BFB STD 7/13/21
Misc : 2ul

Vial: 1
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Method : M:\MAX\DATA\210816\M0816NEW.M (RTE Integrator)
Title : METHOD 8260B



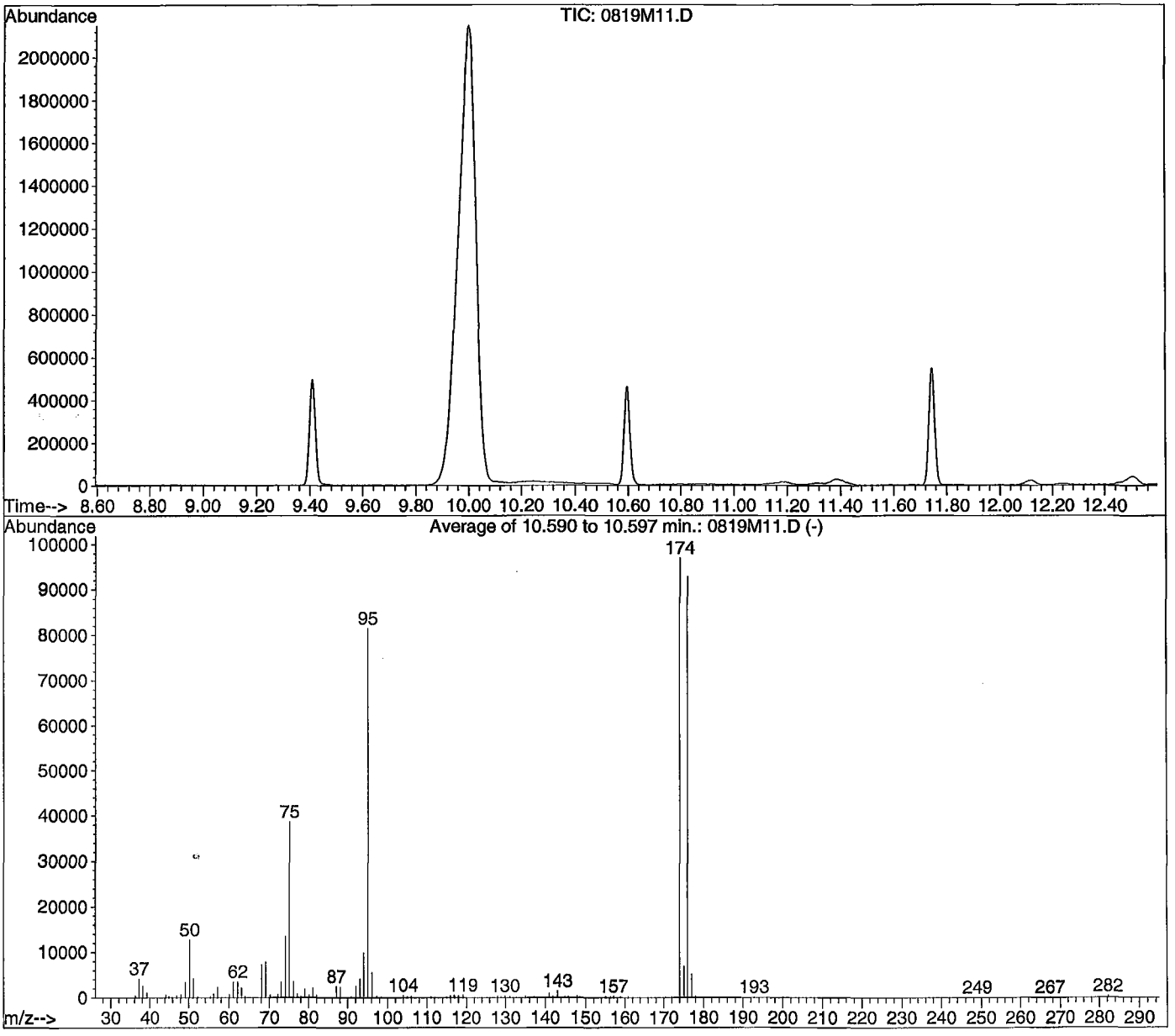
Spectrum Information: Average of 6.490 to 6.511 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	15.4	3627	PASS
75	95	30	60	47.4	11175	PASS
95	95	100	200	100.0	23553	PASS
96	95	5	9	7.5	1774	PASS
173	174	0.00	2	0.4	121	PASS
174	95	50	200	134.3	31624	PASS
175	174	5	9	5.1	1601	PASS
176	174	95	101	97.7	30890	PASS
177	176	5	9	7.4	2296	PASS

Data File : M:\MAX\DATA\210819\0819M11.D
Acq On : 19 Aug 21 14:38
Sample : blk
Misc : IS&S 6/4/21

Vial: 1
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Method : M:\MAX\DATA\210819\MSUR819.M (RTE Integrator)
Title : METHOD 8260B



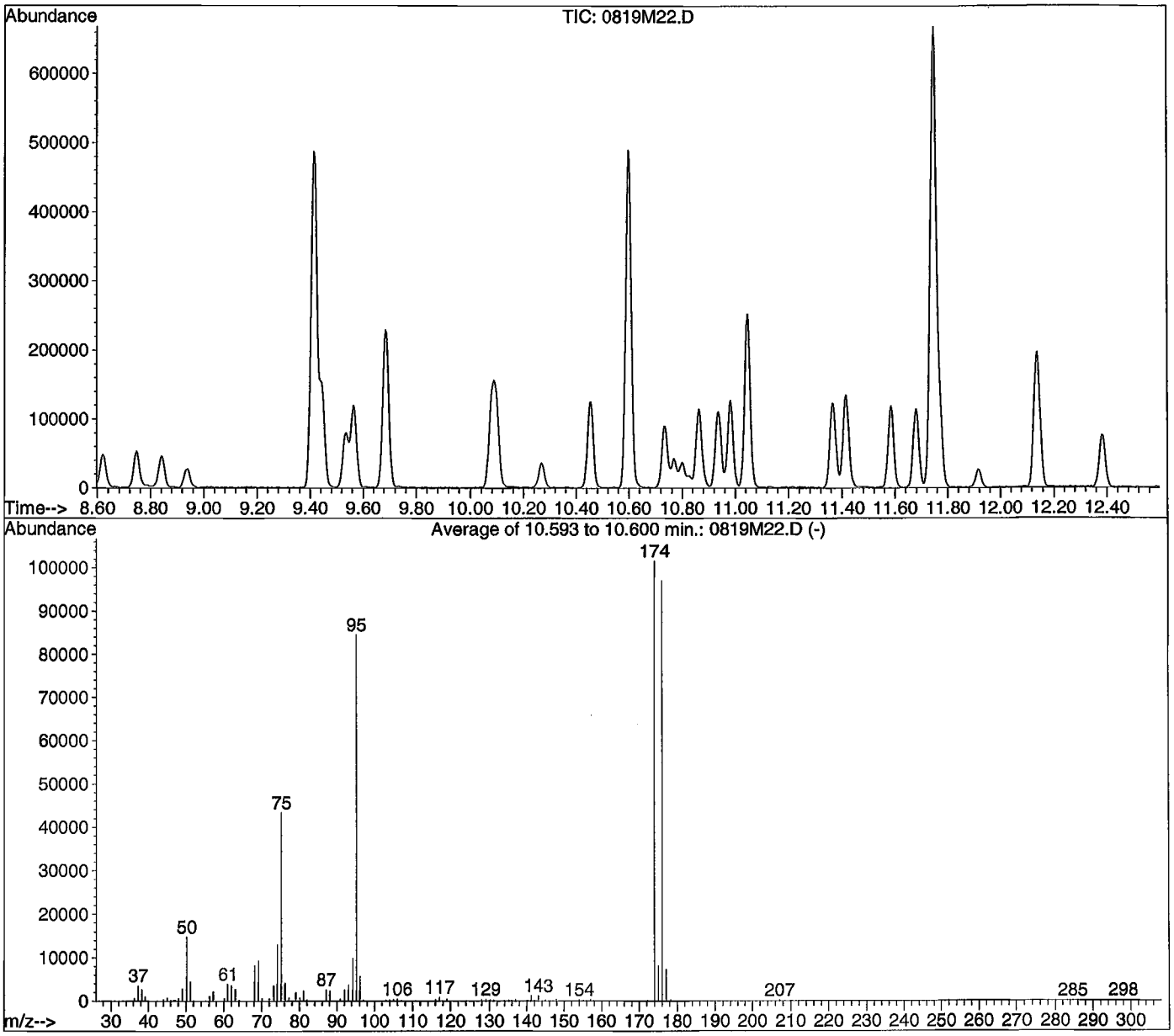
Spectrum Information: Average of 10.590 to 10.597 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	15.5	12614	PASS
75	95	30	60	47.5	38649	PASS
95	95	100	200	100.0	81451	PASS
96	95	5	9	6.7	5430	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	200	119.0	96901	PASS
175	174	5	9	7.0	6793	PASS
176	174	95	101	95.7	92771	PASS
177	176	5	9	5.5	5085	PASS

Data File : M:\MAX\DATA\210819\0819M22.D
Acq On : 19 Aug 21 19:46
Sample : (SS) 10ug/L VOC STD 8/19/21
Misc : IS&S 6/4/21

Vial: 12
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Method : M:\MAX\DATA\210819\M0819W.M (RTE Integrator)
Title : METHOD 8260B



Spectrum Information: Average of 10.593 to 10.600 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	17.4	14721	PASS
75	95	30	60	51.3	43320	PASS
95	95	100	200	100.0	84485	PASS
96	95	5	9	6.7	5642	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	200	120.2	101579	PASS
175	174	5	9	7.9	8047	PASS
176	174	95	101	95.5	97000	PASS
177	176	5	9	7.5	7255	PASS

MAX 8260 Standard Prep

MAX 8260 Water Calibration Curve

0.3ug/L

Prepared: 8/19/2021

Expires: 9/8/2021

Prepared By (Initials): CH

Initial Standard Information							Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	APPL Mix Name	Conc. (ug/mL)	Reference To APPL Prep Date	Exp. Date	Exp. Date (Manufacturers)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/L)
VOA STD. 9	Various	0.3ug/L	5	Prepared 08/11/21	10/10/2021	N/A	3uL	50mL	P&T Water	0.3
VOA STD. 1	Absolute		50	Prepared 08/11/21	10/10/2021	N/A	5uL			5
VOA STD. 2	Phenova		100	Prepared 08/11/21	10/10/2021	N/A	2.5uL			5
VOA STD. TBA	Various		250	Prepared 08/11/21	9/8/2021	N/A	2uL			10

0.5ug/L

Prepared: 8/19/2021

Expires: 9/8/2021

Initial Standard Information							Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	APPL Mix Name	Conc. (ug/mL)	Reference To APPL Prep Date	Exp. Date	Exp. Date (Manufacturers)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/L)
VOA STD. 9	Various	0.5ug/L	5	Prepared 08/11/21	10/10/2021	N/A	5uL	50mL	P&T Water	0.5
VOA STD. 1	Absolute		50	Prepared 08/11/21	10/10/2021	N/A	10uL			10
VOA STD. 2	Phenova		100	Prepared 08/11/21	10/10/2021	N/A	5uL			10
VOA STD. TBA	Various		250	Prepared 08/11/21	9/8/2021	N/A	5uL			25

1.0ug/L

Prepared: 8/19/2021

Expires: 9/8/2021

Initial Standard Information							Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	APPL Mix Name	Conc. (ug/mL)	Reference To APPL Prep Date	Exp. Date	Exp. Date (Manufacturers)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/L)
VOA STD. 9	Various	1.0ug/L	5	Prepared 08/11/21	10/10/2021	N/A	10uL	50mL	P&T Water	1
VOA STD. 1	Absolute		50	Prepared 08/11/21	10/10/2021	N/A	20uL			20
VOA STD. 2	Phenova		100	Prepared 08/11/21	10/10/2021	N/A	10uL			20
VOA STD. TBA	Various		250	Prepared 08/11/21	9/8/2021	N/A	10uL			50

2.0ug/L

Prepared: 8/19/2021

Expires: 9/8/2021

Initial Standard Information							Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	APPL Mix Name	Conc. (ug/mL)	Reference To APPL Prep Date	Exp. Date	Exp. Date (Manufacturers)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/L)
VOA STD. 9	Various	2.0ug/L	5	Prepared 08/11/21	10/10/2021	N/A	20uL	50mL	P&T Water	2
VOA STD. 1	Absolute		50	Prepared 08/11/21	10/10/2021	N/A	30uL			30
VOA STD. 2	Phenova		100	Prepared 08/11/21	10/10/2021	N/A	15uL			30
VOA STD. TBA	Various		250	Prepared 08/11/21	9/8/2021	N/A	15uL			75

5ug/L

Prepared: 8/19/2021

Expires: 9/8/2021

Initial Standard Information							Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	APPL Mix Name	Conc. (ug/mL)	Reference To APPL Prep Date	Exp. Date	Exp. Date (Manufacturers)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/L)
VOA STD. 7	Various	5ug/L	50	Prepared 08/11/21	10/10/2021	N/A	5uL	50mL	P&T Water	5
VOA STD. 8	Phenova		50	Prepared 08/11/21	9/8/2021	N/A	5uL			5
VOA STD. 1	Absolute		50	Prepared 08/11/21	10/10/2021	N/A	40uL			40
VOA STD. 2	Phenova		100	Prepared 08/11/21	10/10/2021	N/A	20uL			20
VOA STD. TBA	Various		250	Prepared 08/11/21	9/8/2021	N/A	20uL			100

10ug/L

Prepared: 8/19/2021

Expires: 9/8/2021

Initial Standard Information							Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	APPL Mix Name	Conc. (ug/mL)	Reference To APPL Prep Date	Exp. Date	Exp. Date (Manufacturers)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/L)
VOA STD. 7	Various	10ug/L	50	Prepared 08/11/21	10/10/2021	N/A	10uL	50mL	P&T Water	10
VOA STD. 8	Phenova		50	Prepared 08/11/21	9/8/2021	N/A	10uL			10
VOA STD. 1	Absolute		50	Prepared 08/11/21	10/10/2021	N/A	50uL			50
VOA STD. 2	Phenova		100	Prepared 08/11/21	10/10/2021	N/A	25uL			50
VOA STD. TBA	Various		250	Prepared 08/11/21	9/8/2021	N/A	25uL			125

20ug/L

Prepared: 8/19/2021

Expires: 9/8/2021

Initial Standard Information							Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	APPL Mix Name	Conc. (ug/mL)	Reference To APPL Prep Date	Exp. Date	Exp. Date (Manufacturers)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/L)
VOA STD. 7	Various	20ug/L	50	Prepared 08/11/21	10/10/2021	N/A	20uL	50mL	P&T Water	20
VOA STD. 8	Phenova		50	Prepared 08/11/21	9/8/2021	N/A	20uL			20
VOA STD. 1	Absolute		50	Prepared 08/11/21	10/10/2021	N/A	60uL			60
VOA STD. 2	Phenova		100	Prepared 08/11/21	10/10/2021	N/A	30uL			60
VOA STD. TBA	Various		250	Prepared 08/11/21	9/8/2021	N/A	30uL			150

40ug/L

Prepared: 8/19/2021

Expires: 9/8/2021

Initial Standard Information							Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	APPL Mix Name	Conc. (ug/mL)	Reference To APPL Prep Date	Exp. Date	Exp. Date (Manufacturers)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/L)
VOA STD. 7	Various	40ug/L	50	Prepared 08/11/21	10/10/2021	N/A	40uL	50mL	P&T Water	40
VOA STD. 8	Phenova		50	Prepared 08/11/21	9/8/2021	N/A	40uL			40
VOA STD. 1	Absolute		50	Prepared 08/11/21	10/10/2021	N/A	80uL			80
VOA STD. 2	Phenova		100	Prepared 08/11/21	10/10/2021	N/A	40uL			80
VOA STD. TBA	Various		250	Prepared 08/11/21	9/8/2021	N/A	35uL			175

100ug/L

Prepared: 8/19/2021

Expires: 9/8/2021

Initial Standard Information							Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	APPL Mix Name	Conc. (ug/mL)	Reference To APPL Prep Date	Exp. Date	Exp. Date (Manufacturers)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/L)
VOA STD. 7	Various	100ug/L	50	Prepared 08/11/21	10/10/2021	N/A	100uL	50mL	P&T Water	100
VOA STD. 8	Phenova		50	Prepared 08/11/21	9/8/2021	N/A	100uL			100
VOA STD. 1	Absolute		50	Prepared 08/11/21	10/10/2021	N/A	100uL			100
VOA STD. 2	Phenova		100	Prepared 08/11/21	10/10/2021	N/A	50uL			100
VOA STD. TBA	Various		250	Prepared 08/11/21	9/8/2021	N/A	40uL			200

MAX 8260 Water Second Source (SS)

Prepared: 8/19/2021

Prepared By (Initials): CH

Expires: 9/8/2021

Initial Standard Information							Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	APPL Mix Name	Conc. (ug/mL)	Reference To APPL Prep Date	Exp. Date	Exp. Date (Manufacturers)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/L)
VOA STD. 3	Phenova	8260 Water SS	100	Prepared 08/11/21	10/10/2021	N/A	25uL	50mL	P&T Water	50
VOA STD. GASES	Phenova	8260 Water SS	50	Prepared 08/11/21	10/10/2021	N/A	10uL			10
VOA STD. 0	Phenova	8260 Water SS	50	Prepared 08/11/21	10/10/2021	N/A	10uL			10
VOA STD. 2-CEVE	Absolute	8260 Water SS	50	Prepared 08/11/21	8/11/2021	N/A	50uL			50
VOA STD. 6	Various	8260 Water SS	50	Prepared 08/11/21	9/8/2021	N/A	10uL			10
Voa STD. TBA	Various	8260 Water SS	250	Prepared 08/11/21	9/8/2021	N/A	250uL			250

8260 Water Continuing Calibrations (CCV)/ Lab Control Spikes (LCS)

Prepared: 8/19/2021

Prepared By (Initials): CH

Expires: 8/20/2021

Initial Standard Information							Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	APPL Mix Name	Conc. (ug/mL)	Reference To APPL Prep Date	Exp. Date	Exp. Date (Manufacturers)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/L)
VOA STD. 7	Various	CCV/ LCS	50	Prepared 08/11/21	10/10/2021	N/A	10uL	50mL	P&T Water	10
VOA STD. 8	Phenova	CCV/ LCS	50	Prepared 08/11/21	9/8/2021	N/A	10uL			10
VOA STD. 1	Absolute	CCV/ LCS	50	Prepared 08/11/21	10/10/2021	N/A	50uL			50
VOA STD. 2	Phenova	CCV/ LCS	100	Prepared 08/11/21	10/10/2021	N/A	25uL			50
VOA STD. TBA	Various	CCV/ LCS	250	Prepared 08/11/21	9/8/2021	N/A	25uL			250

Injection Log

Directory: M:\MAX\DATA\210816\

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	1	0816M02.D	1	25ug/L BFB STD 7/13/21	2ul	16 Aug 21 13:05
2	3	0816M08.D	1	0.5ug/L HCL-VOC STD 8/16/21	IS&S 6/4/21	16 Aug 21 16:51
3	4	0816M09.D	1	1ug/L HCL-VOC STD 8/16/21	IS&S 6/4/21	16 Aug 21 17:19
4	5	0816M10.D	1	2ug/L HCL-VOC STD 8/16/21	IS&S 6/4/21	16 Aug 21 17:47
5	6	0816M11.D	1	5ug/L HCL-VOC STD 8/16/21	IS&S 6/4/21	16 Aug 21 18:15
6	7	0816M12.D	1	10ug/L HCL-VOC STD 8/16/21	IS&S 6/4/21	16 Aug 21 18:43
7	8	0816M13.D	1	20ug/L HCL-VOC STD 8/16/21	IS&S 6/4/21	16 Aug 21 19:11
8	9	0816M14.D	1	40ug/L HCL-VOC STD 8/16/21	IS&S 6/4/21	16 Aug 21 19:39
9	12	0816M17.D	1	(SS) 10ug/L HCL-VOC STD 8/16/25	IS&S 6/4/21	16 Aug 21 21:03
10	1	0818M00.D	1	25ug/L BFB STD 7/13/21	2ul	18 Aug 21 12:58
11	2	0818M02.D	1	210818A CCV 10ug/L	IS&S 6/4/21	18 Aug 21 13:46
12	3	0818M03.D	1	210818A LCS 10ug/L	IS&S 6/4/21	18 Aug 21 14:14
13	1	0818M04.D	1	210818A LCSD 10ug/L	IS&S 6/4/21	18 Aug 21 14:42
14	4	0818M07.D	1	210818A BLK	IS&S 6/4/21	18 Aug 21 16:06
15	24	0818M24.D	1	BA37421W01	IS&S 6/4/21	19 Aug 21 00:01
16	25	0818M25.D	1	BA37422W01	IS&S 6/4/21	19 Aug 21 00:29
17	26	0818M26.D	1	BA37424W01	IS&S 6/4/21	19 Aug 21 00:56
18	27	0818M27.D	1	Ending CCV 10ug/L 8/18/21	IS&S 6/4/21	19 Aug 21 1:24

Injection Log

Directory: M:\MAX\DATA\210819\

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	1	0819M11.D	1	blk	IS&S 6/4/21	19 Aug 21 14:38
2	2	0819M12.D	1	0.2ug/L VOC STD 8/19/21	IS&S 6/4/21	19 Aug 21 15:06
3	3	0819M13.D	1	0.5ug/L VOC STD 8/19/21	IS&S 6/4/21	19 Aug 21 15:34
4	4	0819M14.D	1	1ug/L VOC STD 8/19/21	IS&S 6/4/21	19 Aug 21 16:02
5	5	0819M15.D	1	2ug/L VOC STD 8/19/21	IS&S 6/4/21	19 Aug 21 16:30
6	6	0819M16.D	1	5ug/L VOC STD 8/19/21	IS&S 6/4/21	19 Aug 21 16:58
7	7	0819M17.D	1	10ug/L VOC STD 8/19/21	IS&S 6/4/21	19 Aug 21 17:26
8	8	0819M18.D	1	20ug/L VOC STD 8/19/21	IS&S 6/4/21	19 Aug 21 17:54
9	9	0819M19.D	1	40ug/L VOC STD 8/19/21	IS&S 6/4/21	19 Aug 21 18:22
10	10	0819M20.D	1	100ug/L VOC STD 8/19/21	IS&S 6/4/21	19 Aug 21 18:50
11	12	0819M22.D	1	(SS) 10ug/L VOC STD 8/19/21	IS&S 6/4/21	19 Aug 21 19:46
12	13	0819M23.D	1	210819A LCSD 10ug/L	IS&S 6/4/21	19 Aug 21 20:14
13	16	0819M26.D	1	210819A BLK	IS&S 6/4/21	19 Aug 21 21:38
14	24	0819M34.D	1	BA37425W01	IS&S 6/4/21	20 Aug 21 1:21
15	25	0819M35.D	1	BA37427W01	IS&S 6/4/21	20 Aug 21 1:49
16	26	0819M36.D	1	BA37428W01	IS&S 6/4/21	20 Aug 21 2:17
17	27	0819M37.D	1	BA37430W01	IS&S 6/4/21	20 Aug 21 2:45
18	28	0819M38.D	1	BA37431W01	IS&S 6/4/21	20 Aug 21 3:13
19	37	0819M47.D	1	Ending CCV 10ug/L 8/19/21	IS&S 6/4/21	20 Aug 21 7:25

ORGANICS
Calibration Data

VOLATILE ORGANIC ANALYSIS BY
EPA METHOD 8260B

Form 6
Initial Calibration

Lab Name: APPL, Inc. SDG No:
Case No: Initial Cal. Date: 8/3/2021
Matrix: Instrument: Max Initials:

		Compound	1	2	3	4	5	6	7	8	9		Avg	%RSD	Type	r^2	Q	MRF
			0803M22.D	0803M23.D	0803M24.D	0803M25.D	0803M26.D	0803M27.D	0803M28.D	0803M29.D	0803M30.D							
1	I	Fluorobenzene (IS)																
2	S	Dibromofluoromethane(S)	0.3254	0.3186	0.3142	0.2936	0.3097	0.3083	0.3050	0.3174	0.3000		0.31	3.2	S			
3	S	1,2-DCA-D4(S)	0.2294	0.2128	0.2032	0.2137	0.2094	0.2176	0.2205	0.2191	0.2028		0.21	4.0	S			
4	I	Chlorobenzene-D5 (IS)																
5	S	Toluene-D8(S)	1.267	1.192	1.100	1.091	1.150	1.158	1.158	1.159	1.078		1.2	5.0	S			
6	S	4-Bromofluorobenzene(S)	0.4860	0.4231	0.3880	0.3850	0.4337	0.4477	0.4428	0.4487	0.4161		0.43	7.4	S			
7	I	1,4-Dichlorobenzene-D (IS)																
8																		
9																		
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Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\210803\0803M22.D Vial: 2
Acq On : 3 Aug 21 17:54 Operator: LP,DG,CH
Sample : 0.3ug/L VOC STD 8/3/21 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Aug 11 15:35 2021 Quant Results File: MSUR803W.RES

Quant Method : M:\MAX\DATA\210803\MSUR803W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Wed Aug 04 16:17:54 2021
Response via : Initial Calibration
DataAcq Meth : M8260_071621

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	6.25	96	213559	25.00 ppb	0.00
4) Chlorobenzene-D5 (IS)	9.45	117	179703	25.00 ppb	0.00
7) 1,4-Dichlorobenzene-D (IS)	11.78	152	109017	25.00 ppb	0.00
System Monitoring Compounds					
2) Dibromofluoromethane(S)	5.45	111	13900	5.24 ppb	0.00
Spiked Amount 25.000			Recovery =	20.980%	
3) 1,2-DCA-D4(S)	5.85	65	9798	5.35 ppb	0.00
Spiked Amount 25.000			Recovery =	21.412%	
5) Toluene-D8(S)	7.98	98	45521	5.51 ppb	0.00
Spiked Amount 25.000			Recovery =	22.024%	
6) 4-Bromofluorobenzene(S)	10.64	95	17466	5.65 ppb	0.00
Spiked Amount 25.000			Recovery =	22.596%	

Target Compounds Qvalue

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

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\210803\0803M23.D Vial: 3
Acq On : 3 Aug 21 18:22 Operator: LP,DG,CH
Sample : 0.5ug/L VOC STD 8/3/21 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Aug 11 15:35 2021 Quant Results File: MSUR803W.RES

Quant Method : M:\MAX\DATA\210803\MSUR803W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Wed Aug 04 16:17:54 2021
Response via : Initial Calibration
DataAcq Meth : M8260_071621

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.25	96	216915	25.00	ppb	0.00
4) Chlorobenzene-D5 (IS)	9.45	117	174731	25.00	ppb	0.00
7) 1,4-Dichlorobenzene-D (IS)	11.78	152	110519	25.00	ppb	0.00
System Monitoring Compounds						
2) Dibromofluoromethane(S)	5.46	111	13821	5.13	ppb	0.00
Spiked Amount 25.000			Recovery = 20.536%			
3) 1,2-DCA-D4(S)	5.85	65	9233	4.97	ppb	0.00
Spiked Amount 25.000			Recovery = 19.864%			
5) Toluene-D8(S)	7.98	98	41657	5.18	ppb	0.00
Spiked Amount 25.000			Recovery = 20.728%			
6) 4-Bromofluorobenzene(S)	10.63	95	14784	4.92	ppb	0.00
Spiked Amount 25.000			Recovery = 19.672%			

Target Compounds Qvalue

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

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\210803\0803M24.D Vial: 4
Acq On : 3 Aug 21 18:50 Operator: LP,DG,CH
Sample : 1ug/L VOC STD 8/3/21 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Aug 11 15:35 2021 Quant Results File: MSUR803W.RES

Quant Method : M:\MAX\DATA\210803\MSUR803W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Wed Aug 04 16:17:54 2021
Response via : Initial Calibration
DataAcq Meth : M8260_071621

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.25	96	205812	25.00	ppb	0.00
4) Chlorobenzene-D5 (IS)	9.45	117	177808	25.00	ppb	0.00
7) 1,4-Dichlorobenzene-D (IS)	11.78	152	107112	25.00	ppb	0.00
System Monitoring Compounds						
2) Dibromofluoromethane(S)	5.46	111	25864	10.13	ppb	0.00
Spiked Amount 25.000			Recovery = 40.508%			
3) 1,2-DCA-D4(S)	5.85	65	16728	9.48	ppb	0.00
Spiked Amount 25.000			Recovery = 37.928%			
5) Toluene-D8(S)	7.98	98	78254	9.57	ppb	0.00
Spiked Amount 25.000			Recovery = 38.264%			
6) 4-Bromofluorobenzene(S)	10.63	95	27598	9.02	ppb	0.00
Spiked Amount 25.000			Recovery = 36.084%			

Target Compounds Qvalue

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

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\210803\0803M25.D Vial: 5
Acq On : 3 Aug 21 19:18 Operator: LP,DG,CH
Sample : 2ug/L VOC STD 8/3/21 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Aug 11 15:35 2021 Quant Results File: MSUR803W.RES

Quant Method : M:\MAX\DATA\210803\MSUR803W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Wed Aug 04 16:17:54 2021
Response via : Initial Calibration
DataAcq Meth : M8260_071621

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	6.25	96	212437	25.00 ppb	0.00
4) Chlorobenzene-D5 (IS)	9.45	117	178289	25.00 ppb	0.00
7) 1,4-Dichlorobenzene-D (IS)	11.78	152	110539	25.00 ppb	0.00
System Monitoring Compounds					
2) Dibromofluoromethane(S)	5.46	111	24952	9.46 ppb	0.00
Spiked Amount 25.000			Recovery =	37.860%	
3) 1,2-DCA-D4(S)	5.85	65	18160	9.97 ppb	0.00
Spiked Amount 25.000			Recovery =	39.892%	
5) Toluene-D8(S)	7.98	98	77790	9.48 ppb	0.00
Spiked Amount 25.000			Recovery =	37.932%	
6) 4-Bromofluorobenzene(S)	10.63	95	27457	8.95 ppb	0.00
Spiked Amount 25.000			Recovery =	35.804%	

Target Compounds Qvalue

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

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\210803\0803M26.D Vial: 6
Acq On : 3 Aug 21 19:46 Operator: LP,DG,CH
Sample : 5ug/L VOC STD 8/3/21 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Aug 11 15:35 2021 Quant Results File: MSUR803W.RES

Quant Method : M:\MAX\DATA\210803\MSUR803W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Wed Aug 04 16:17:54 2021
Response via : Initial Calibration
DataAcq Meth : M8260_071621

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.25	96	209459	25.00	ppb	0.00
4) Chlorobenzene-D5 (IS)	9.45	117	172091	25.00	ppb	0.00
7) 1,4-Dichlorobenzene-D (IS)	11.78	152	114250	25.00	ppb	0.00
System Monitoring Compounds						
2) Dibromofluoromethane(S)	5.46	111	64864	24.95	ppb	0.00
Spiked Amount 25.000			Recovery =	99.820%		
3) 1,2-DCA-D4(S)	5.85	65	43856	24.43	ppb	0.00
Spiked Amount 25.000			Recovery =	97.712%		
5) Toluene-D8(S)	7.98	98	197895	24.99	ppb	0.00
Spiked Amount 25.000			Recovery =	99.976%		
6) 4-Bromofluorobenzene(S)	10.63	95	74631	25.21	ppb	0.00
Spiked Amount 25.000			Recovery =	100.824%		

Target Compounds Qvalue

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

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\210803\0803M27.D Vial: 7
Acq On : 3 Aug 21 20:13 Operator: LP,DG,CH
Sample : 10ug/L VOC STD 8/3/21 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Aug 11 15:35 2021 Quant Results File: MSUR803W.RES

Quant Method : M:\MAX\DATA\210803\MSUR803W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Wed Aug 04 16:17:54 2021
Response via : Initial Calibration
DataAcq Meth : M8260_071621

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.25	96	207785	25.00	ppb	0.00
4) Chlorobenzene-D5 (IS)	9.45	117	172914	25.00	ppb	0.00
7) 1,4-Dichlorobenzene-D (IS)	11.78	152	115966	25.00	ppb	0.00
System Monitoring Compounds						
2) Dibromofluoromethane(S)	5.46	111	64056	24.84	ppb	0.00
Spiked Amount 25.000			Recovery = 99.368%			
3) 1,2-DCA-D4(S)	5.85	65	45224	25.39	ppb	0.00
Spiked Amount 25.000			Recovery = 101.568%			
5) Toluene-D8(S)	7.98	98	200211	25.17	ppb	0.00
Spiked Amount 25.000			Recovery = 100.664%			
6) 4-Bromofluorobenzene(S)	10.63	95	77420	26.02	ppb	0.00
Spiked Amount 25.000			Recovery = 104.092%			
Target Compounds						Qvalue

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

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\210803\0803M28.D Vial: 8
Acq On : 3 Aug 21 20:41 Operator: LP,DG,CH
Sample : 20ug/L VOC STD 8/3/21 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Aug 11 15:35 2021 Quant Results File: MSUR803W.RES

Quant Method : M:\MAX\DATA\210803\MSUR803W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Wed Aug 04 16:17:54 2021
Response via : Initial Calibration
DataAcq Meth : M8260_071621

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	6.25	96	212988	25.00 ppb	0.00
4) Chlorobenzene-D5 (IS)	9.45	117	175816	25.00 ppb	0.00
7) 1,4-Dichlorobenzene-D (IS)	11.78	152	117555	25.00 ppb	0.00
System Monitoring Compounds					
2) Dibromofluoromethane(S)	5.46	111	129916	49.15 ppb	0.00
Spiked Amount 25.000			Recovery =	196.612%	
3) 1,2-DCA-D4(S)	5.85	65	93936	51.45 ppb	0.00
Spiked Amount 25.000			Recovery =	205.820%	
5) Toluene-D8(S)	7.98	98	407299	50.35 ppb	0.00
Spiked Amount 25.000			Recovery =	201.404%	
6) 4-Bromofluorobenzene(S)	10.63	95	155716	51.48 ppb	0.00
Spiked Amount 25.000			Recovery =	205.908%	

Target Compounds Qvalue

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

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\210803\0803M29.D Vial: 9
Acq On : 3 Aug 21 21:09 Operator: LP,DG,CH
Sample : 40ug/L VOC STD 8/3/21 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Aug 11 15:35 2021 Quant Results File: MSUR803W.RES

Quant Method : M:\MAX\DATA\210803\MSUR803W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Wed Aug 04 16:17:54 2021
Response via : Initial Calibration
DataAcq Meth : M8260_071621

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.25	96	202880	25.00	ppb	0.00
4) Chlorobenzene-D5 (IS)	9.45	117	172355	25.00	ppb	0.00
7) 1,4-Dichlorobenzene-D (IS)	11.78	152	115859	25.00	ppb	0.00
System Monitoring Compounds						
2) Dibromofluoromethane(S)	5.45	111	128790	51.15	ppb	0.00
Spiked Amount 25.000			Recovery = 204.620%			
3) 1,2-DCA-D4(S)	5.85	65	88888	51.12	ppb	0.00
Spiked Amount 25.000			Recovery = 204.464%			
5) Toluene-D8(S)	7.98	98	399467	50.37	ppb	0.00
Spiked Amount 25.000			Recovery = 201.496%			
6) 4-Bromofluorobenzene(S)	10.63	95	154686	52.16	ppb	0.00
Spiked Amount 25.000			Recovery = 208.656%			

Target Compounds Qvalue

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

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\210803\0803M30.D Vial: 10
Acq On : 3 Aug 21 21:37 Operator: LP,DG,CH
Sample : 100ug/L VOC STD 8/3/21 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Aug 11 15:35 2021 Quant Results File: MSUR803W.RES

Quant Method : M:\MAX\DATA\210803\MSUR803W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Wed Aug 04 16:17:54 2021
Response via : Initial Calibration
DataAcq Meth : M8260_071621

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.25	96	201479	25.00	ppb	0.00
4) Chlorobenzene-D5 (IS)	9.45	117	175414	25.00	ppb	0.00
7) 1,4-Dichlorobenzene-D (IS)	11.78	152	112823	25.00	ppb	0.00
System Monitoring Compounds						
2) Dibromofluoromethane(S)	5.45	111	241755	96.69	ppb	0.00
Spiked Amount 25.000			Recovery = 386.768%			
3) 1,2-DCA-D4(S)	5.85	65	163456	94.65	ppb	0.00
Spiked Amount 25.000			Recovery = 378.600%			
5) Toluene-D8(S)	7.98	98	756035	93.68	ppb	0.00
Spiked Amount 25.000			Recovery = 374.708%			
6) 4-Bromofluorobenzene(S)	10.63	95	291962	96.74	ppb	0.00
Spiked Amount 25.000			Recovery = 386.960%			

Target Compounds Qvalue

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

VOLATILE ORGANIC ANALYSIS
VOLATILE ORGANIC COMPOUNDS

Form 6
Initial Calibration

Lab Name: APPL, Inc. SDG No:
Case No: Initial Cal. Date: 8/6/2021
Matrix: Instrument: Max Initials:

			0806M10.D	0806M11.D	0806M12.D	0806M13.D	0806M14.D	0806M15.D	0806M16.D										
		Compound	1	2	3	4	5	6	7				Avg	%RSD	Type	r^2	Q	MRF
1	I	Fluorobenzene (IS)																
2	TMHBL	Gasoline C6-C10	13.6	5.427	3.024	1.247	0.8222	0.7143	0.6373				3.6	130	TMHB	0.999		
3	TMHB	Chlorobenzene-D5 (IS)																
4	TMHB	1,4-Dichlorobenzene (IS)																
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Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\210803\0806M10.D Vial: 10
Acq On : 6 Aug 21 14:14 Operator: LP,DG,CH
Sample : 20ug/L GAS STD 8/6/21 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Aug 6 19:06 2021 Quant Results File: MGAS0803.RES

Quant Method : M:\MAX\DATA\210803\MGAS0803.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Aug 06 18:54:34 2021
Response via : Initial Calibration
DataAcq Meth : M8260_071621

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.25	TIC	211950	25.00	ppb	0.00
3) Chlorobenzene-D5 (IS)	11.78	TIC	181576m	25.00	ppb	0.00
4) 1,4-Dichlorobenzene (IS)	10.94	TIC	15390m	25.00	ppb	0.00
System Monitoring Compounds						
Target Compounds						Qvalue
2) Gasoline C6-C10	7.98	TIC	2307903m	3.82	ppb	100

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

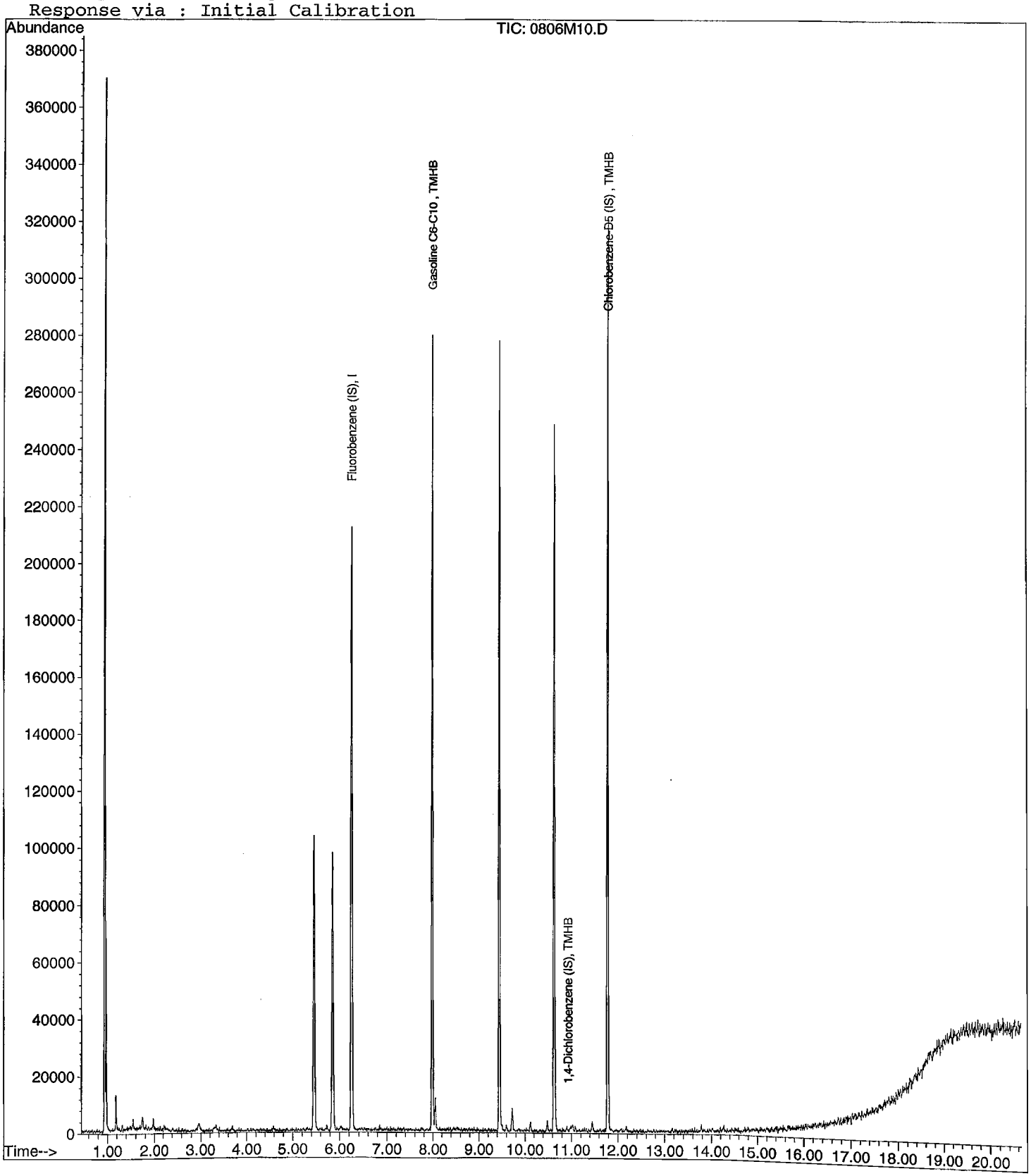
Quantitation Report

Data File : M:\MAX\DATA\210803\0806M10.D
Acq On : 6 Aug 21 14:14
Sample : 20ug/L GAS STD 8/6/21
Misc : IS&S 6/4/21

Vial: 10
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Aug 6 19:06 2021 Quant Results File: MGAS0803.RES

Method : M:\MAX\DATA\210803\MGAS0803.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Aug 06 19:07:21 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\210803\0806M11.D Vial: 11
Acq On : 6 Aug 21 14:42 Operator: LP,DG,CH
Sample : 50ug/L GAS STD 8/6/21 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Aug 6 19:01 2021 Quant Results File: MGAS0803.RES

Quant Method : M:\MAX\DATA\210803\MGAS0803.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Aug 06 18:54:34 2021
Response via : Initial Calibration
DataAcq Meth : M8260_071621

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	6.25	TIC	218938	25.00 ppb	0.00
3) Chlorobenzene-D5 (IS)	11.78	TIC	174104m	25.00 ppb	0.00
4) 1,4-Dichlorobenzene (IS)	10.94	TIC	13254m	25.00 ppb	0.00
System Monitoring Compounds					
Target Compounds					Qvalue
2) Gasoline C6-C10	7.98	TIC	2376461m	2.10 ppb	100

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

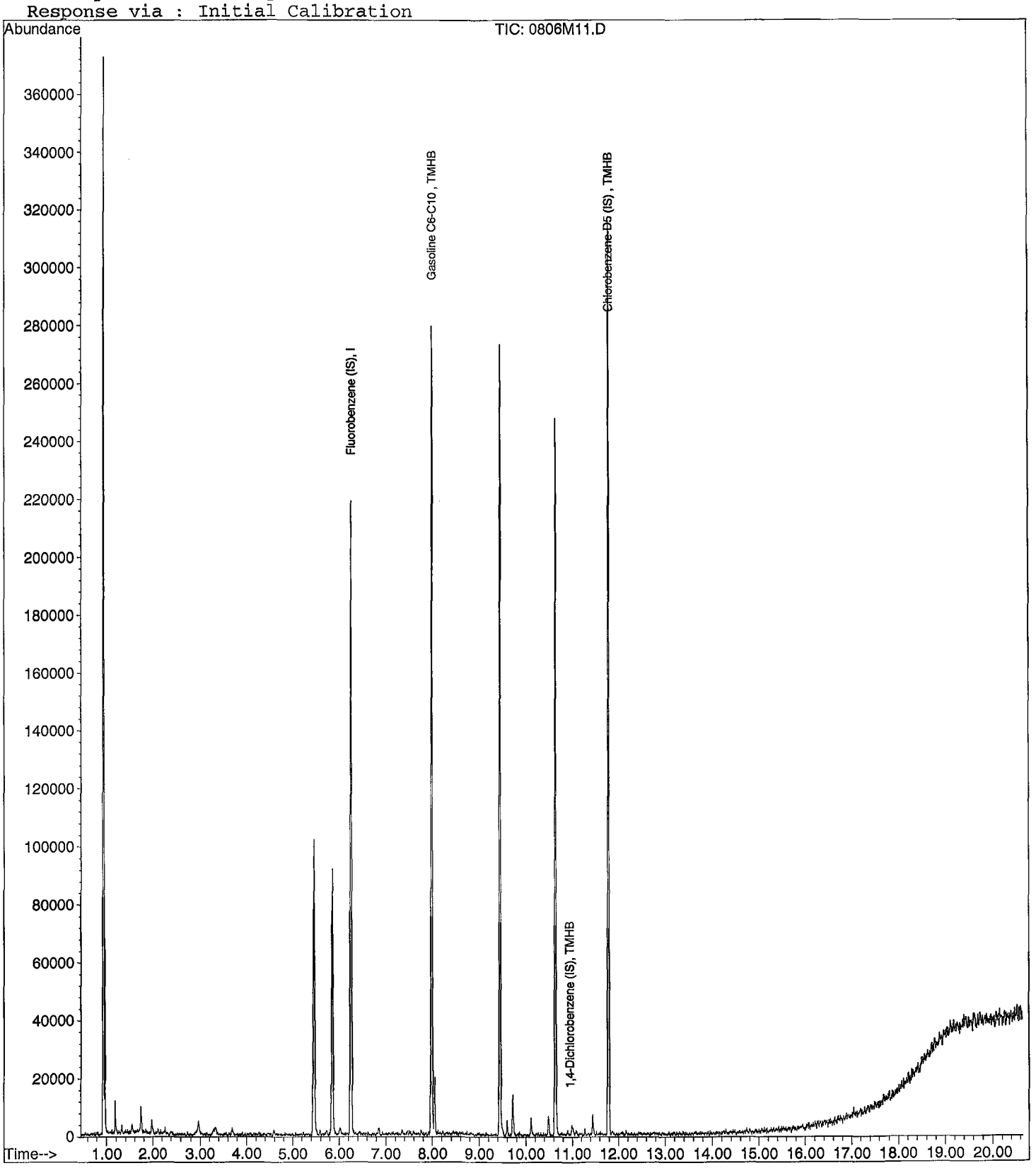
Quantitation Report

Data File : M:\MAX\DATA\210803\0806M11.D
Acq On : 6 Aug 21 14:42
Sample : 50ug/L GAS STD 8/6/21
Misc : IS&S 6/4/21

Vial: 11
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Aug 6 19:01 2021 Quant Results File: MGAS0803.RES

Method : M:\MAX\DATA\210803\MGAS0803.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Aug 06 19:07:21 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\210803\0806M12.D Vial: 12
Acq On : 6 Aug 21 15:10 Operator: LP,DG,CH
Sample : 100ug/L GAS STD 8/6/21 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Aug 6 19:02 2021 Quant Results File: MGAS0803.RES

Quant Method : M:\MAX\DATA\210803\MGAS0803.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Aug 06 18:54:34 2021
Response via : Initial Calibration
DataAcq Meth : M8260_071621

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	6.25	TIC	209746	25.00 ppb	0.00
3) Chlorobenzene-D5 (IS)	11.78	TIC	181095m	25.00 ppb	0.00
4) 1,4-Dichlorobenzene (IS)	10.94	TIC	21733m	25.00 ppb	0.00
System Monitoring Compounds					
Target Compounds					Qvalue
2) Gasoline C6-C10	7.98	TIC	2536968m	64.16 ppb	100

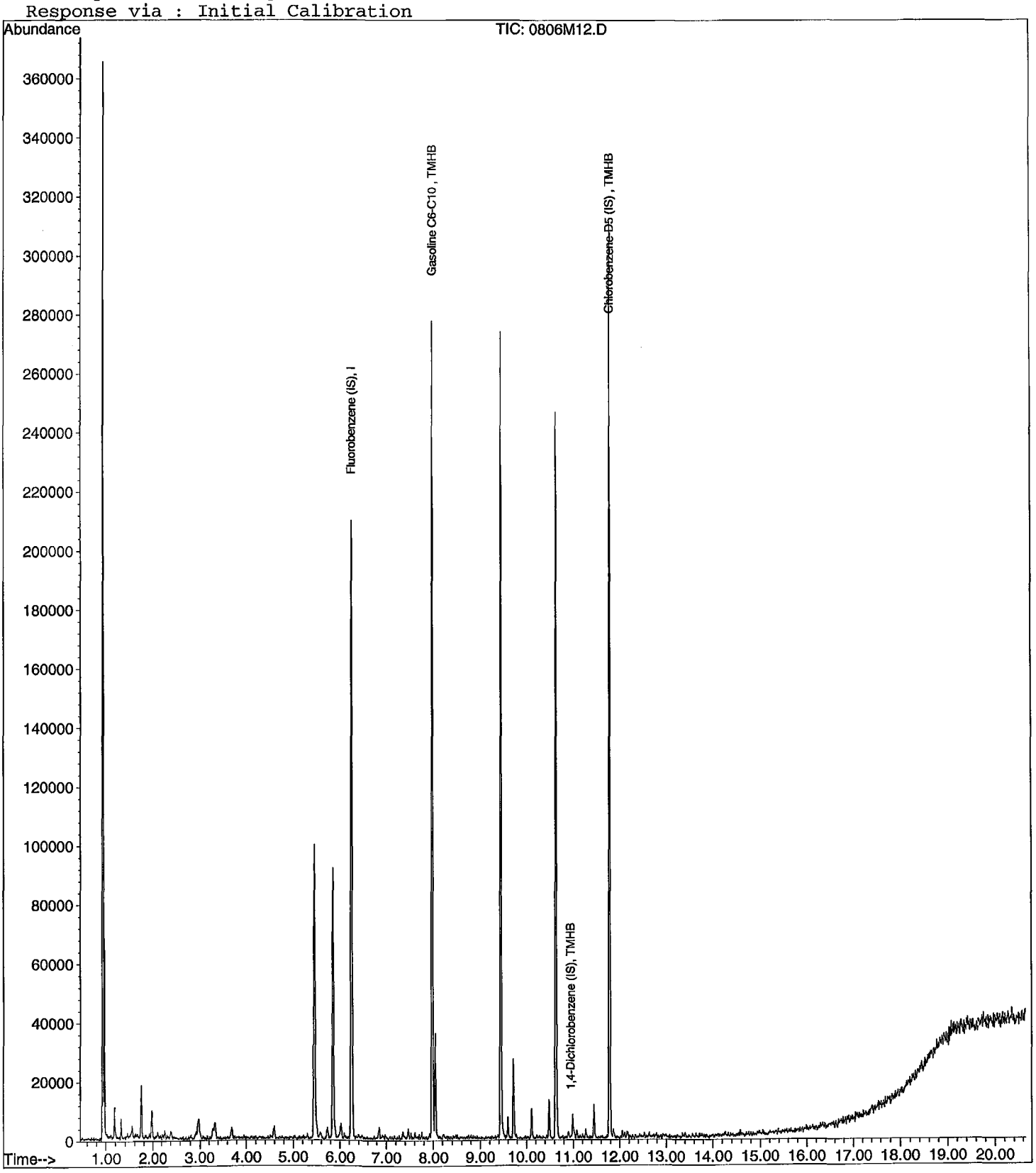
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\MAX\DATA\210803\0806M12.D Vial: 12
Acq On : 6 Aug 21 15:10 Operator: LP,DG,CH
Sample : 100ug/L GAS STD 8/6/21 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Aug 6 19:02 2021 Quant Results File: MGAS0803.RES

Method : M:\MAX\DATA\210803\MGAS0803.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Aug 06 19:07:21 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\210803\0806M13.D Vial: 13
Acq On : 6 Aug 21 15:38 Operator: LP,DG,CH
Sample : 300ug/L GAS STD 8/6/21 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Aug 6 19:03 2021 Quant Results File: MGAS0803.RES

Quant Method : M:\MAX\DATA\210803\MGAS0803.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Aug 06 18:54:34 2021
Response via : Initial Calibration
DataAcq Meth : M8260_071621

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.25	TIC	208465	25.00	ppb	0.00
3) Chlorobenzene-D5 (IS)	11.78	TIC	192502m	25.00	ppb	0.00
4) 1,4-Dichlorobenzene (IS)	10.94	TIC	56454m	25.00	ppb	0.00
System Monitoring Compounds						
Target Compounds						Qvalue
2) Gasoline C6-C10	7.98	TIC	3119012m	207.52	ppb	100

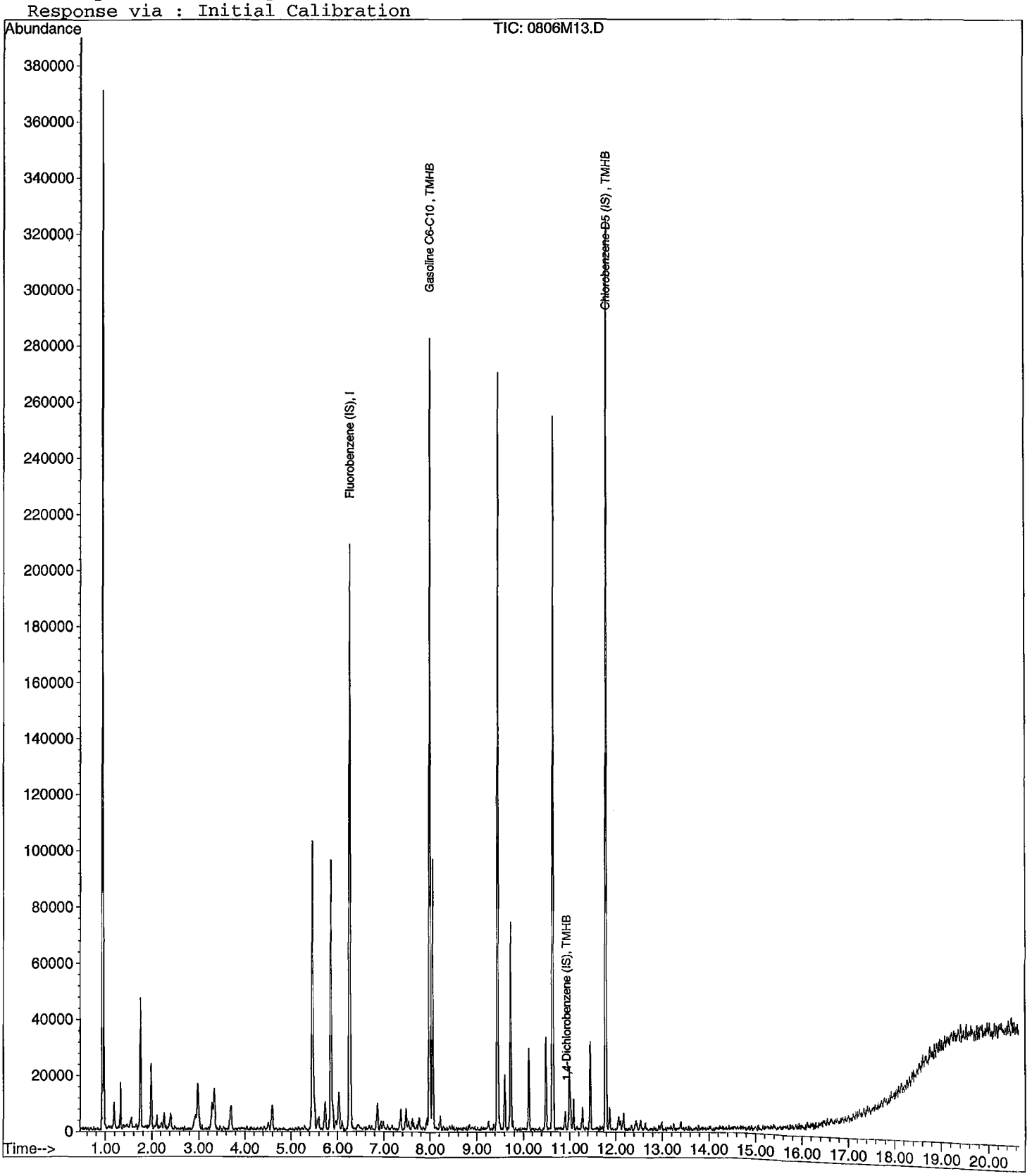
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\MAX\DATA\210803\0806M13.D Vial: 13
Acq On : 6 Aug 21 15:38 Operator: LP,DG,CH
Sample : 300ug/L GAS STD 8/6/21 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Aug 6 19:03 2021 Quant Results File: MGAS0803.RES

Method : M:\MAX\DATA\210803\MGAS0803.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Aug 06 19:07:21 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\210803\0806M14.D Vial: 14
Acq On : 6 Aug 21 16:06 Operator: LP,DG,CH
Sample : 600ug/L GAS STD 8/6/21 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Aug 6 19:03 2021 Quant Results File: MGAS0803.RES

Quant Method : M:\MAX\DATA\210803\MGAS0803.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Aug 06 18:54:34 2021
Response via : Initial Calibration
DataAcq Meth : M8260_071621

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	6.25	TIC	213289	25.00 ppb	0.00
3) Chlorobenzene-D5 (IS)	11.78	TIC	214476m	25.00 ppb	0.00
4) 1,4-Dichlorobenzene (IS)	10.94	TIC	117624m	25.00 ppb	0.00
System Monitoring Compounds					
Target Compounds					Qvalue
2) Gasoline C6-C10	7.98	TIC	4208582m	446.08 ppb	100

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

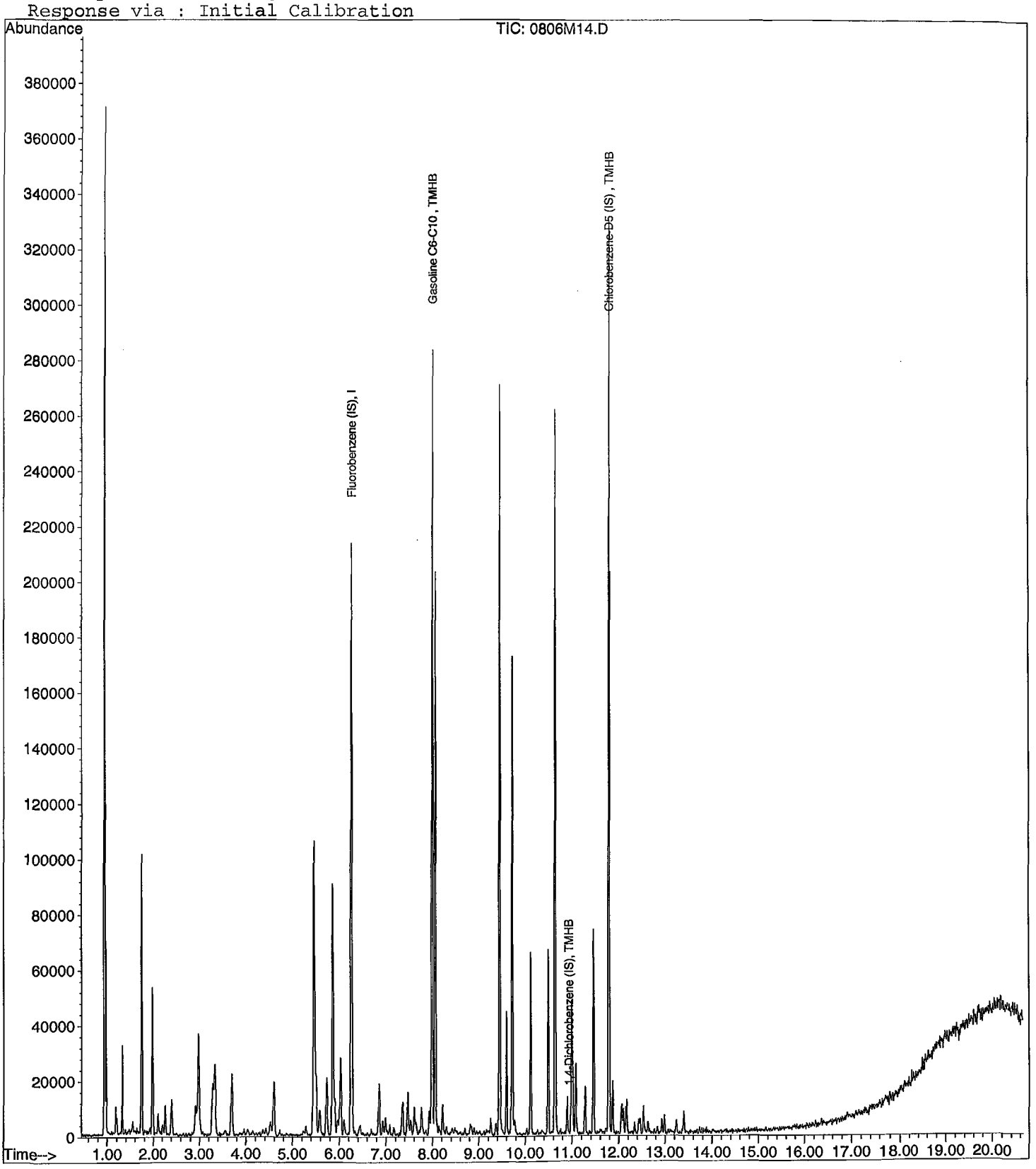
Quantitation Report

Data File : M:\MAX\DATA\210803\0806M14.D
Acq On : 6 Aug 21 16:06
Sample : 600ug/L GAS STD 8/6/21
Misc : IS&S 6/4/21

Vial: 14
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Aug 6 19:03 2021 Quant Results File: MGAS0803.RES

Method : M:\MAX\DATA\210803\MGAS0803.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Aug 06 19:07:21 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\210803\0806M15.D Vial: 15
Acq On : 6 Aug 21 16:34 Operator: LP,DG,CH
Sample : 800ug/L GAS STD 8/6/21 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Aug 6 19:04 2021 Quant Results File: MGAS0803.RES

Quant Method : M:\MAX\DATA\210803\MGAS0803.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Aug 06 18:54:34 2021
Response via : Initial Calibration
DataAcq Meth : M8260_071621

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	6.25	TIC	214255	25.00 ppb	0.00
3) Chlorobenzene-D5 (IS)	11.78	TIC	211970m	25.00 ppb	0.00
4) 1,4-Dichlorobenzene (IS)	10.94	TIC	162728m	25.00 ppb	0.00
System Monitoring Compounds					
Target Compounds					Qvalue
2) Gasoline C6-C10	9.45	TIC	4897308m	602.39 ppb	100

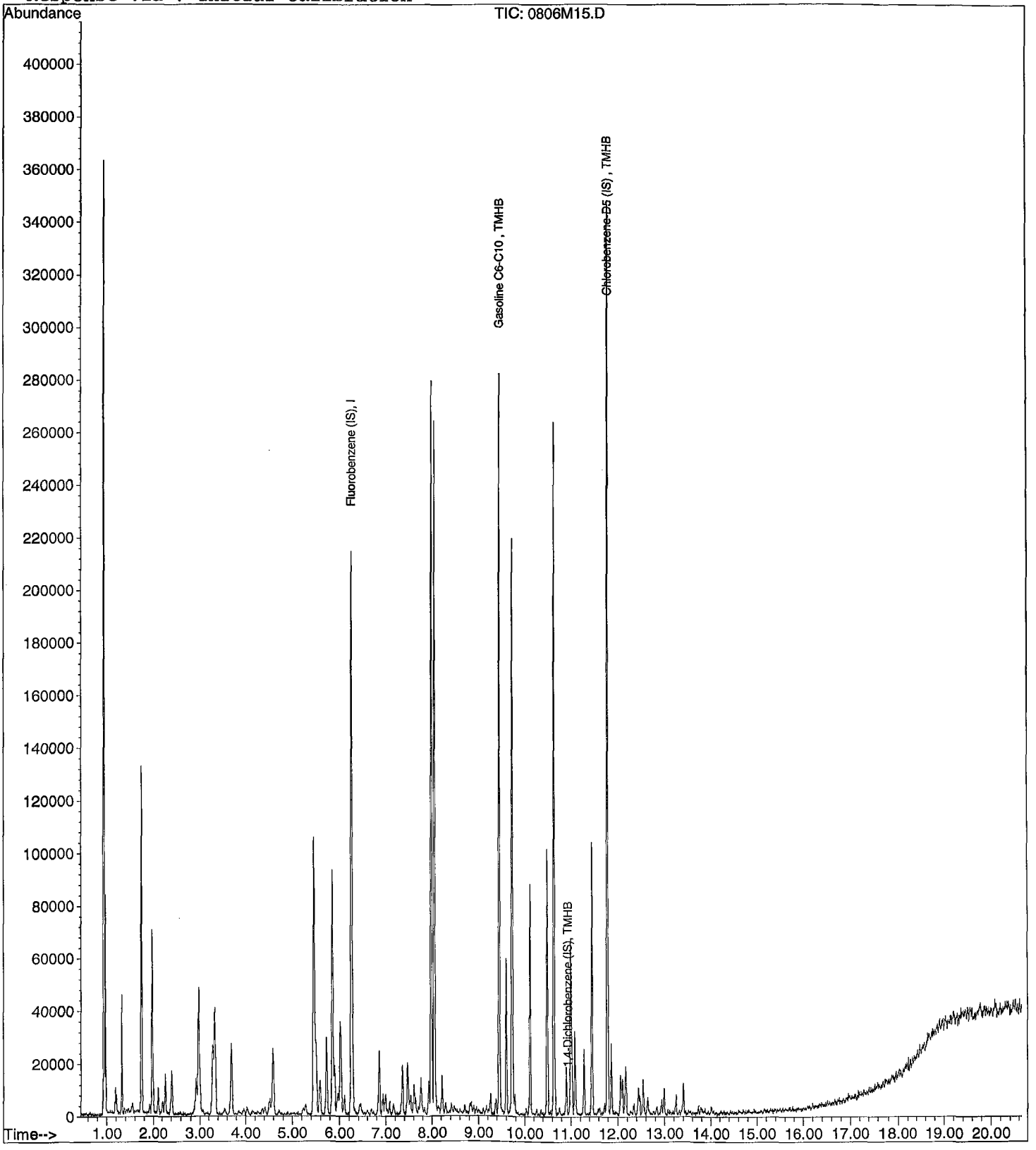
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\MAX\DATA\210803\0806M15.D Vial: 15
Acq On : 6 Aug 21 16:34 Operator: LP,DG,CH
Sample : 800ug/L GAS STD 8/6/21 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Aug 6 19:04 2021 Quant Results File: MGAS0803.RES

Method : M:\MAX\DATA\210803\MGAS0803.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Aug 06 19:07:21 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\210803\0806M16.D Vial: 16
Acq On : 6 Aug 21 17:02 Operator: LP,DG,CH
Sample : 1000ug/L GAS STD 8/6/21 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Aug 6 19:04 2021 Quant Results File: MGAS0803.RES

Quant Method : M:\MAX\DATA\210803\MGAS0803.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Aug 06 18:54:34 2021
Response via : Initial Calibration
DataAcq Meth : M8260_071621

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	6.25	TIC	223721	25.00 ppb	0.00
3) Chlorobenzene-D5 (IS)	11.78	TIC	230052m	25.00 ppb	0.00
4) 1,4-Dichlorobenzene (IS)	10.94	TIC	203398m	25.00 ppb	0.00
System Monitoring Compounds					
Target Compounds					Qvalue
2) Gasoline C6-C10	8.05	TIC	5703474m	734.24 ppb	100

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

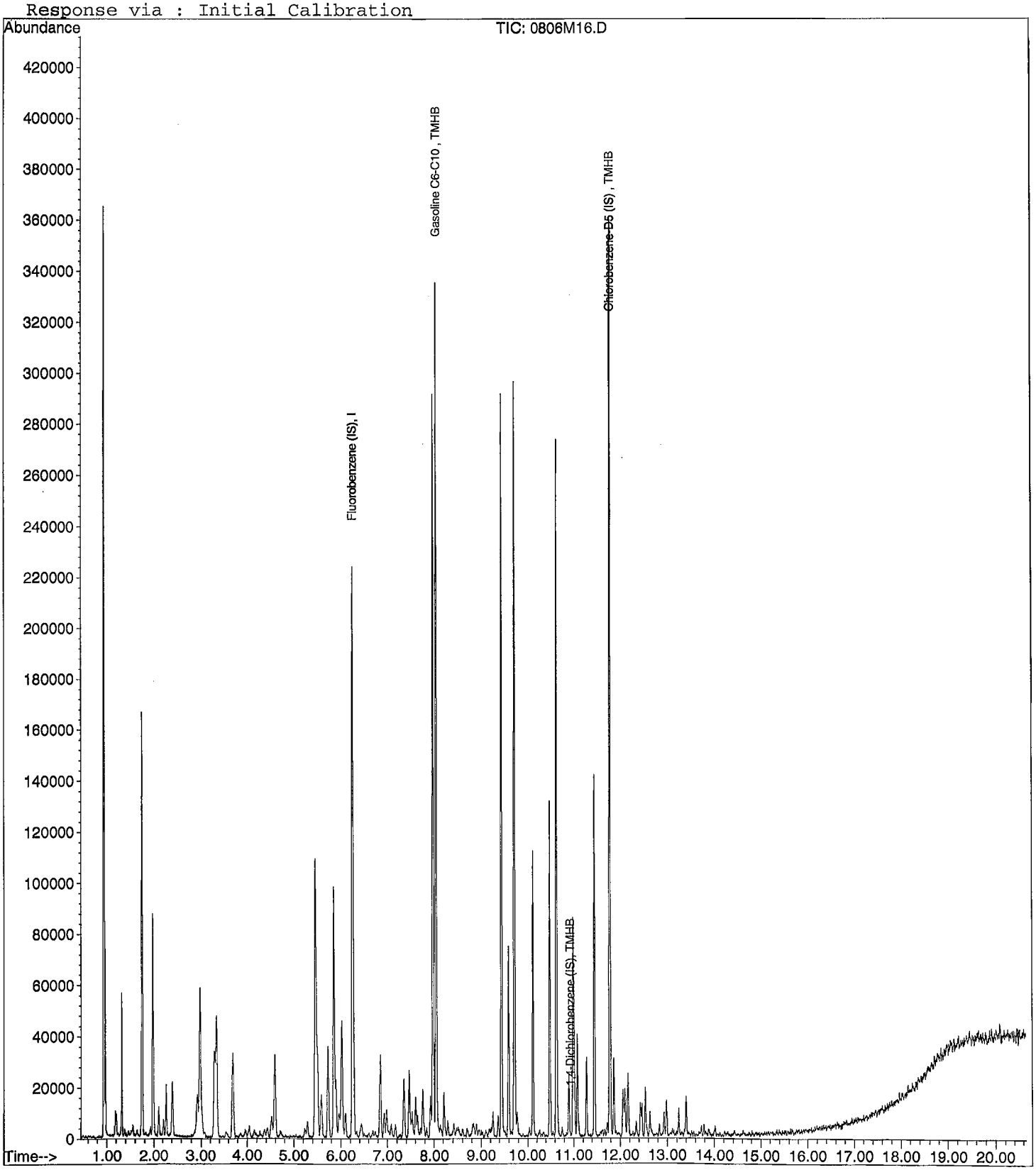
Quantitation Report

Data File : M:\MAX\DATA\210803\0806M16.D
Acq On : 6 Aug 21 17:02
Sample : 1000ug/L GAS STD 8/6/21
Misc : IS&S 6/4/21

Vial: 16
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Aug 6 19:04 2021 Quant Results File: MGAS0803.RES

Method : M:\MAX\DATA\210803\MGAS0803.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Aug 06 19:07:21 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: 6 Aug 21 17:58
Instrument: Max
Initial Cal. Date: 8/6/2021
Data File: 0806M18.D

		Compound	MEAN	CCRF	%D	%Drift	
1	TMHB	Gasoline C6-C10	3.640	1.275	65	TMHBL	6.2
2							
3							
4							
5							
6							
7							
8							
9							
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37							
38							
39							
40							
		Average			65.0		

Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\210803\0806M18.D Vial: 18
Acq On : 6 Aug 21 17:58 Operator: LP,DG,CH
Sample : (SS) 300ug/L GAS STD 8/6/21 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Aug 6 19:08 2021 Quant Results File: MGAS0803.RES

Quant Method : M:\MAX\DATA\210803\MGAS0803.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Aug 06 19:07:21 2021
Response via : Initial Calibration
DataAcq Meth : M8260_071621

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.25	TIC	216072	25.00	ppb	0.00
3) Chlorobenzene-D5 (IS)	11.78	TIC	198343m	25.00	ppb	0.00
4) 1,4-Dichlorobenzene (IS)	10.94	TIC	79448m	25.00	ppb	0.00
System Monitoring Compounds						
Target Compounds						Qvalue
2) Gasoline C6-C10	9.45	TIC	3305824m	318.52	ppb	100

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

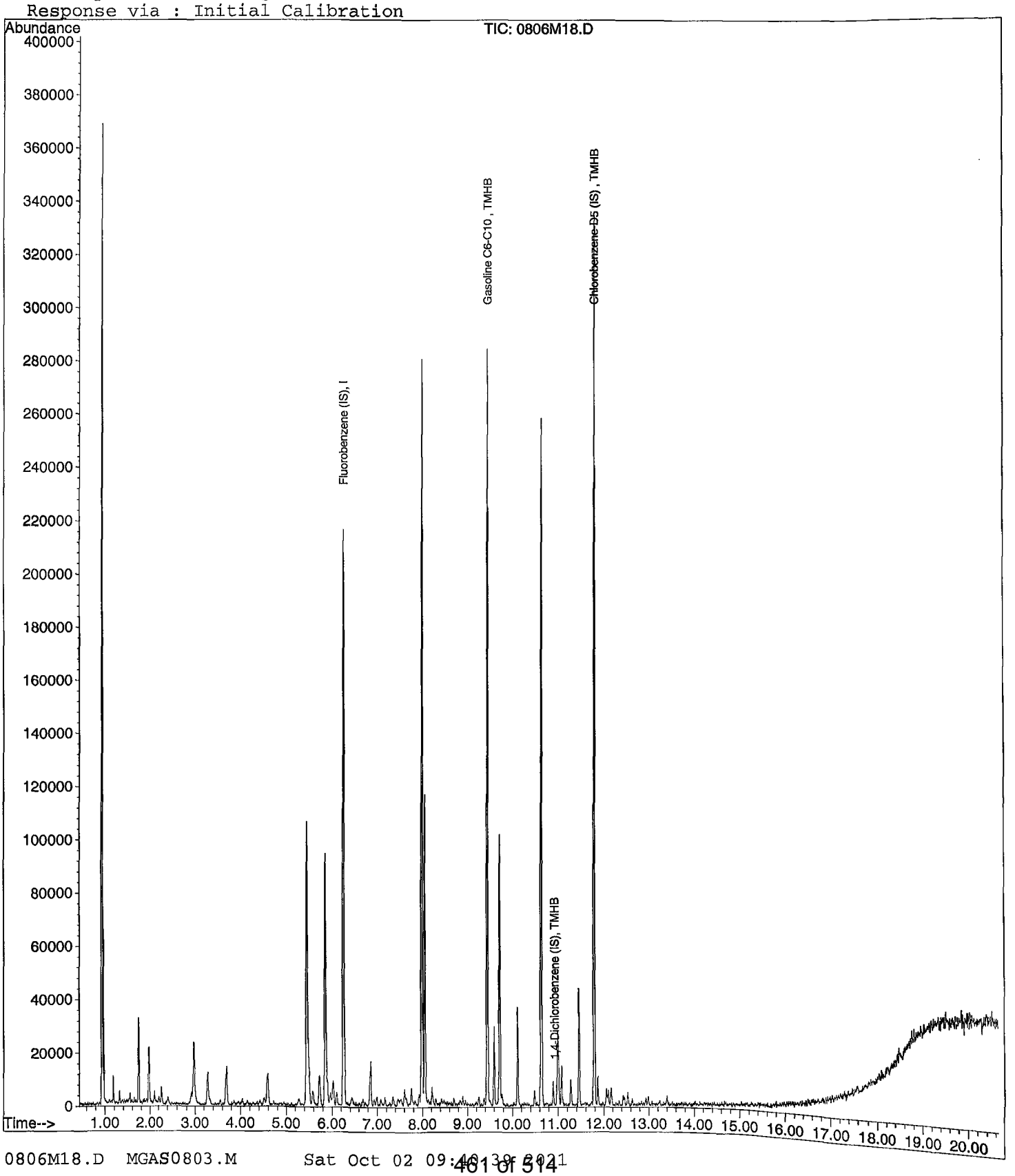
Quantitation Report

Data File : M:\MAX\DATA\210803\0806M18.D
Acq On : 6 Aug 21 17:58
Sample : (SS) 300ug/L GAS STD 8/6/21
Misc : IS&S 6/4/21

Vial: 18
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Aug 6 19:08 2021 Quant Results File: MGAS0803.RES

Method : M:\MAX\DATA\210803\MGAS0803.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Aug 06 19:07:21 2021
Response via : Initial Calibration



VOLATILE ORGANIC ANALYSIS BY
EPA METHOD 8260B

Form 7

Continuing Calibration

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

SDG No:
Date Analyzed: 8/18/2021
Instrument: Max
Initial Cal. Date: 8/3/2021
Data File: 0818M05.D

		Compound	MEAN	CCRF	%D		%Drift
1	I	Fluorobenzene (IS)	ISTD			I	
2	S	Dibromofluoromethane(S)	0.3102	0.2755	11	S	
3	S	1,2-DCA-D4(S)	0.2143	0.1748	18	S	
4	I	Chlorobenzene-D5 (IS)	ISTD			I	
5	S	Toluene-D8(S)	1.150	1.168	1.6	S	
6	S	4-Bromofluorobenzene(S)	0.4301	0.4712	9.5	S	
7	I	1,4-Dichlorobenzene-D (IS)	ISTD			I	
8							
9							
10							
11							
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14							
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37							
38							
39							
40							
		Average			10.0		

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\210818\0818M05.D Vial: 2
Acq On : 18 Aug 21 15:10 Operator: LP,DG,CH
Sample : 210818A CCV/LCS 300ug/L Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00000
MS Integration Params: LSCINT.P
Quant Time: Sep 19 9:12 2021 Quant Results File: MSUR803W.RES

Quant Method : M:\MAX\DATA\210803\MSUR803W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sun Sep 19 09:06:01 2021
Response via : Initial Calibration
DataAcq Meth : 081621_M8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.30	96	28427	25.00	ppb	0.00
4) Chlorobenzene-D5 (IS)	9.76	117	24735	25.00	ppb	0.00
7) 1,4-Dichlorobenzene-D (IS)	12.32	152	14925	25.00	ppb	0.00
System Monitoring Compounds						
2) Dibromofluoromethane(S)	5.46	111	7831	22.20	ppb	-0.04
Spiked Amount 25.000			Recovery = 88.796%			
3) 1,2-DCA-D4(S)	5.88	65	4969	20.39	ppb	-0.03
Spiked Amount 25.000			Recovery = 81.572%			
5) Toluene-D8(S)	8.16	98	28898	25.39	ppb	-0.09
Spiked Amount 25.000			Recovery = 101.572%			
6) 4-Bromofluorobenzene(S)	11.06	95	11654	27.38	ppb	0.00
Spiked Amount 25.000			Recovery = 109.540%			

Target Compounds	Qvalue

(#) = qualifier out of range (m) = manual integration
0818M05.D MSUR803W.M Sat Oct 02 09:46:13 2021

VOLATILE ORGANIC ANALYSIS
VOLATILE ORGANIC COMPOUNDS

Form 7

Continuing Calibration

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

SDG No:
Date Analyzed: 8/18/2021
Instrument: Max
Initial Cal. Date: 8/3/2021
Data File: 0818M05.D

		Compound	MEAN	CCRF	%D	%Drift	
1	I	Fluorobenzene (IS)	ISTD			I	
2	TMHB	Gasoline C6-C10	3.640	1.245	66	TMHBL	1.6
3	TMHB	Chlorobenzene-D5 (IS)	ISTD			TMHB	
4	TMHB	1,4-Dichlorobenzene (IS)	ISTD			TMHB	
5							
6							
7							
8							
9							
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34							
35							
36							
37							
38							
39							
40							
		Average			66.0		

Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\210818\0818M05.D Vial: 2
Acq On : 18 Aug 21 15:10 Operator: LP,DG,CH
Sample : 210818A CCV/LCS 300ug/L Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Oct 2 9:53 2021 Quant Results File: MGAS0803.RES

Quant Method : M:\MAX\DATA\210803\MGAS0803.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Aug 06 19:07:21 2021
Response via : Initial Calibration
DataAcq Meth : 081621_M8260

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	6.30	TIC	30161	25.00 ppb	0.05
3) Chlorobenzene-D5 (IS)	11.78	TIC	3701m	25.00 ppb	0.00
4) 1,4-Dichlorobenzene (IS)	10.94	TIC	33330m	25.00 ppb	0.00
System Monitoring Compounds					
Target Compounds					Qvalue
2) Gasoline C6-C10	8.17	TIC	450728m	295.26 ppb	100

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

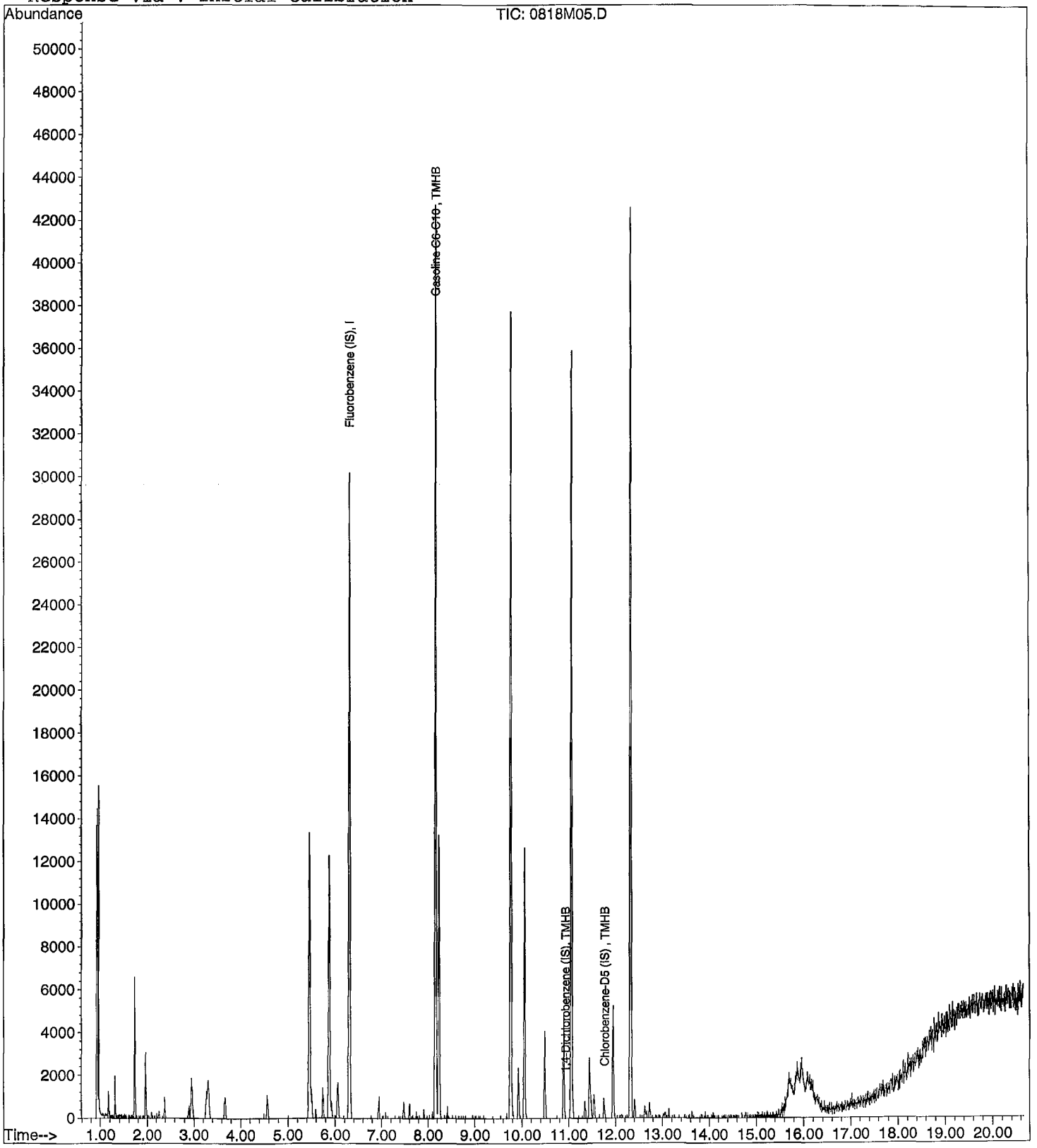
Quantitation Report

Data File : M:\MAX\DATA\210818\0818M05.D
Acq On : 18 Aug 21 15:10
Sample : 210818A CCV/LCS 300ug/L
Misc : IS&S 6/4/21

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

Quant Time: Oct 2 9:53 2021 Quant Results File: MGAS0803.RES

Method : M:\MAX\DATA\210803\MGAS0803.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Aug 06 19:07:21 2021
Response via : Initial Calibration



VOLATILE ORGANIC ANALYSIS
VOLATILE ORGANIC COMPOUNDS

Form 7

Continuing Calibration

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

SDG No:
Date Analyzed: 8/19/2021
Instrument: Max
Initial Cal. Date: 8/6/2021
Data File: 0818M28.D

		Compound	MEAN	CCRF	%D		%Drift
1	I	Fluorobenzene (IS)	ISTD			I	
2	TMHB	Gasoline C6-C10	3.640	1.259	65	TMHBL	2.0
3	TMHB	Chlorobenzene-D5 (IS)	ISTD			TMHB	
4	TMHB	1,4-Dichlorobenzene (IS)	ISTD			TMHB	
5							
6							
7							
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36							
37							
38							
39							
40							
		Average			65.0		

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\210818\0818M28.D Vial: 28
Acq On : 19 Aug 21 9:16 Operator: LP,DG,CH
Sample : Ending CCV 300ug/L 8/18/21 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Oct 2 9:56 2021 Quant Results File: MGAS0803.RES

Quant Method : M:\MAX\DATA\210803\MGAS0803.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Aug 06 19:07:21 2021
Response via : Initial Calibration
DataAcq Meth : 081621_M8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.30	TIC	33074	25.00	ppb	0.04
3) Chlorobenzene-D5 (IS)	11.78	TIC	3979m	25.00	ppb	0.00
4) 1,4-Dichlorobenzene (IS)	10.94	TIC	34818m	25.00	ppb	0.00
System Monitoring Compounds						
Target Compounds						Qvalue
2) Gasoline C6-C10	8.17	TIC	499680m	305.98	ppb	100

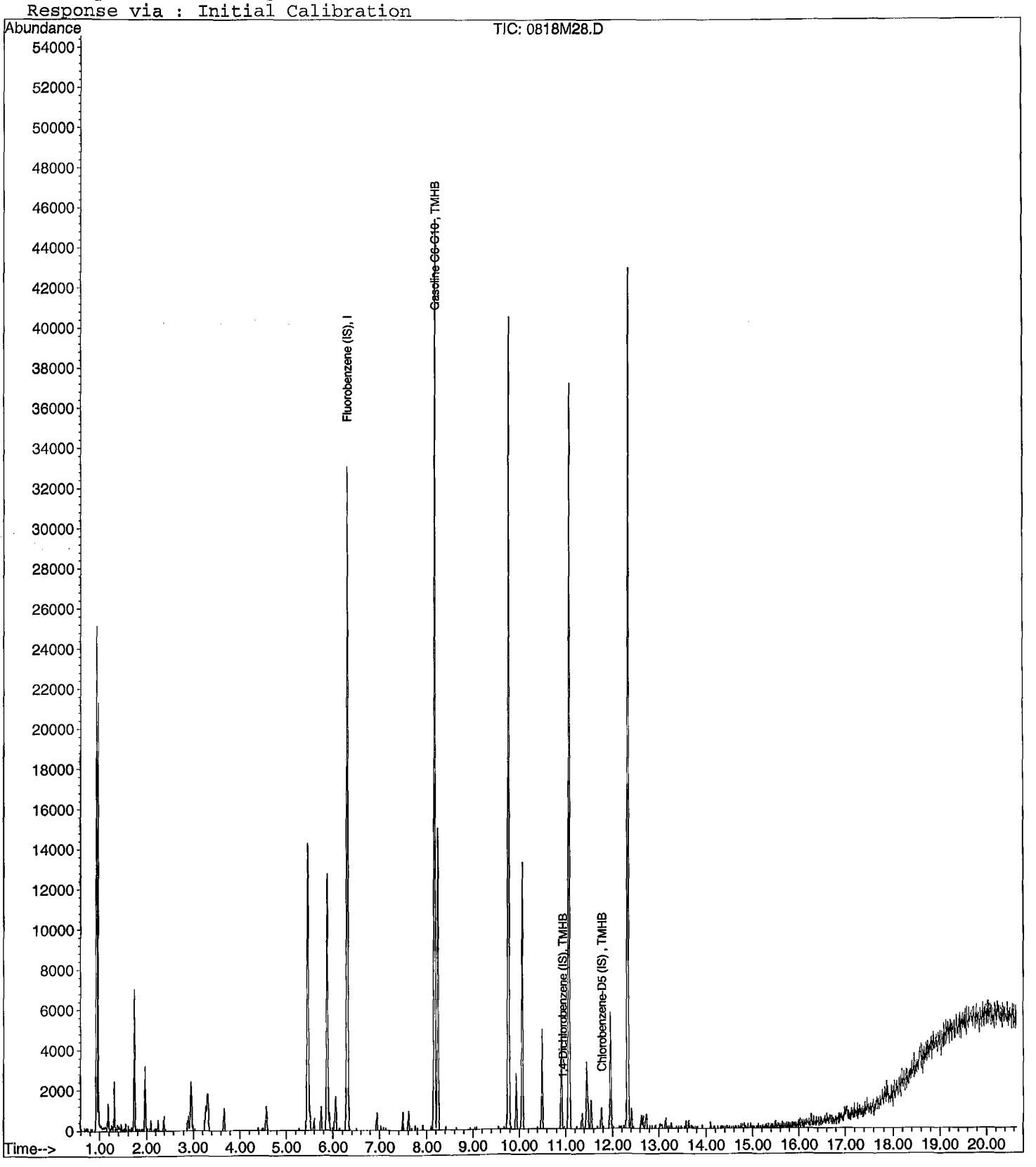
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\MAX\DATA\210818\0818M28.D Vial: 28
Acq On : 19 Aug 21 9:16 Operator: LP,DG,CH
Sample : Ending CCV 300ug/L 8/18/21 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Oct 2 9:56 2021 Quant Results File: MGAS0803.RES

Method : M:\MAX\DATA\210803\MGAS0803.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Aug 06 19:07:21 2021
Response via : Initial Calibration



VOLATILE ORGANIC ANALYSIS
VOLATILE ORGANIC COMPOUNDS

Form 7

Continuing Calibration

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

SDG No:
Date Analyzed: 8/19/2021
Instrument: Max
Initial Cal. Date: 8/6/2021
Data File: 0819M24.D

		Compound	MEAN	CCRF	%D	%Drift	
1	I	Fluorobenzene (IS)	ISTD			I	
2	TMHB	Gasoline C6-C10	3.640	1.250	66	TMHBL	0.33
3	TMHB	Chlorobenzene-D5 (IS)	ISTD			TMHB	
4	TMHB	1,4-Dichlorobenzene (IS)	ISTD			TMHB	
5							
6							
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8							
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11							
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40							
		Average			66.0		

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\210819\0819M24.D Vial: 14
Acq On : 19 Aug 21 20:42 Operator: LP,DG,CH
Sample : 210819A CCV/LCS 300ug/L Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Oct 9 6:32 2021 Quant Results File: MSUR803W.RES

Quant Method : M:\MAX\DATA\210819\MSUR803W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 09 06:32:21 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	322002	25.00	ppb	0.00
4) Chlorobenzene-D5 (IS)	9.41	117	264762	25.00	ppb	0.00
7) 1,4-Dichlorobenzene-D (IS)	11.74	152	164645	25.00	ppb	-0.04
System Monitoring Compounds						
2) Dibromofluoromethane(S)	5.41	111	93843	23.48	ppb	0.00
Spiked Amount 25.000			Recovery = 93.940%			
3) 1,2-DCA-D4(S)	5.81	65	58048	21.03	ppb	0.00
Spiked Amount 25.000			Recovery = 84.128%			
5) Toluene-D8(S)	7.95	98	313917	25.77	ppb	0.00
Spiked Amount 25.000			Recovery = 103.080%			
6) 4-Bromofluorobenzene(S)	10.60	95	126703	27.81	ppb	0.00
Spiked Amount 25.000			Recovery = 111.260%			

Target Compounds Qvalue

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

Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\210819\0819M24.D Vial: 14
Acq On : 19 Aug 21 20:42 Operator: LP,DG,CH
Sample : 210819A CCV/LCS 300ug/L Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Sep 19 8:52 2021 Quant Results File: MGAS0803.RES

Quant Method : M:\MAX\DATA\210803\MGAS0803.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Aug 06 19:07:21 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	364890	25.00	ppb	-0.04
3) Chlorobenzene-D5 (IS)	11.78	TIC	334484m	25.00	ppb	0.00
4) 1,4-Dichlorobenzene (IS)	10.94	TIC	109246m	25.00	ppb	0.00
System Monitoring Compounds						
Target Compounds						Qvalue
2) Gasoline C6-C10	7.95	TIC	5473792m	299.00	ppb	100

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

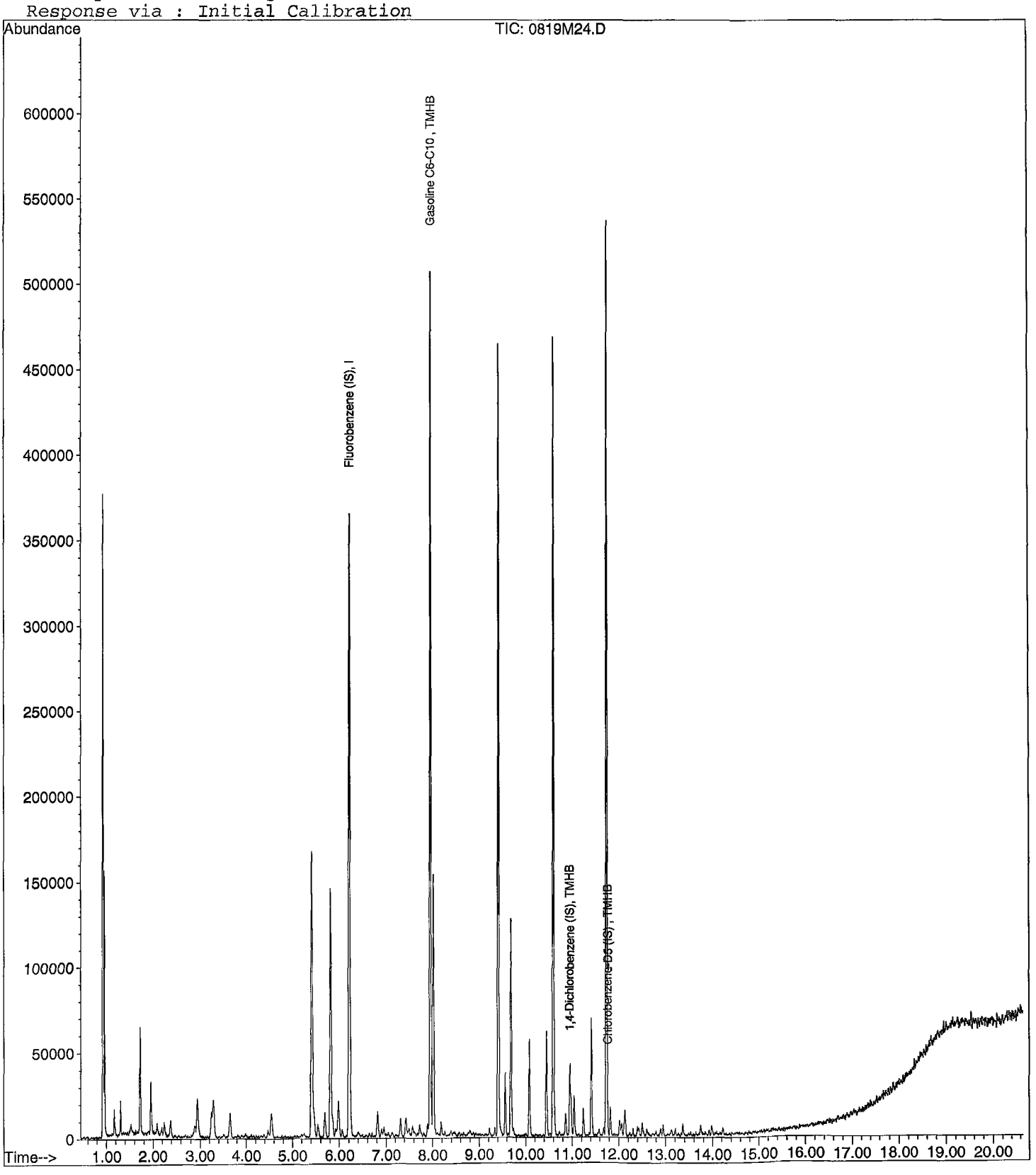
Quantitation Report

Data File : M:\MAX\DATA\210819\0819M24.D
Acq On : 19 Aug 21 20:42
Sample : 210819A CCV/LCS 300ug/L
Misc : IS&S 6/4/21

Vial: 14
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Sep 19 8:52 2021 Quant Results File: MGAS0803.RES

Method : M:\MAX\DATA\210819\MGAS0803.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Aug 06 19:07:21 2021
Response via : Initial Calibration



VOLATILE ORGANIC ANALYSIS
VOLATILE ORGANIC COMPOUNDS

Form 7

Continuing Calibration

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

SDG No:
Date Analyzed: 8/20/2021
Instrument: Max
Initial Cal. Date: 8/19/2021
Data File: 0819M48.D

		Compound	MEAN	CCRF	%D		%Drift
1	I	Fluorobenzene (IS)	ISTD			I	
2	TMHB	Gasoline C6-C10	3.640	1.238	66	TMHBL	3.5
3	TMHB	Chlorobenzene-D5 (IS)	ISTD			TMHB	
4	TMHB	1,4-Dichlorobenzene (IS)	ISTD			TMHB	
5							
6							
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39							
40							
		Average			66.0		

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\210819\0819M48.D Vial: 38
Acq On : 20 Aug 21 7:53 Operator: LP,DG,CH
Sample : Ending CCV 300ug/L 8/19/21 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Oct 9 6:32 2021 Quant Results File: MSUR803W.RES

Quant Method : M:\MAX\DATA\210819\MSUR803W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 09 06:32:21 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	293022	25.00	ppb	0.00
4) Chlorobenzene-D5 (IS)	9.41	117	246004	25.00	ppb	0.00
7) 1,4-Dichlorobenzene-D (IS)	11.75	152	152108	25.00	ppb	-0.03
System Monitoring Compounds						
2) Dibromofluoromethane(S)	5.42	111	83830	23.05	ppb	0.00
Spiked Amount 25.000			Recovery = 92.216%			
3) 1,2-DCA-D4(S)	5.81	65	54144	21.56	ppb	0.00
Spiked Amount 25.000			Recovery = 86.232%			
5) Toluene-D8(S)	7.95	98	289310	25.56	ppb	0.00
Spiked Amount 25.000			Recovery = 102.244%			
6) 4-Bromofluorobenzene(S)	10.60	95	112122	26.49	ppb	0.00
Spiked Amount 25.000			Recovery = 105.964%			

Target Compounds Qvalue

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

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\210819\0819M48.D Vial: 38
Acq On : 20 Aug 21 7:53 Operator: LP,DG,CH
Sample : Ending CCV 300ug/L 8/19/21 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Oct 9 6:18 2021 Quant Results File: MSUR803W.RES

Quant Method : M:\MAX\DATA\210819\MSUR803W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 02 10:08:28 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	293022	25.00	ppb	-0.09
4) Chlorobenzene-D5 (IS)	0.00	117	0	0.00	ppb	-9.77
7) 1,4-Dichlorobenzene-D (IS)	11.75	152	152108	25.00	ppb	-0.03
System Monitoring Compounds						
2) Dibromofluoromethane(S)	5.42	111	83830	23.05	ppb	-0.09
Spiked Amount 25.000			Recovery =	92.216%		
3) 1,2-DCA-D4(S)	5.81	65	54144	21.56	ppb	-0.09
Spiked Amount 25.000			Recovery =	86.232%		
5) Toluene-D8(S)	8.07	98	664	0.00	ppb	-0.18
Spiked Amount 25.000			Recovery =	0.000%		
6) 4-Bromofluorobenzene(S)	10.99	95	456	0.00	ppb	-0.07
Spiked Amount 25.000			Recovery =	0.000%		

Target Compounds Qvalue

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

Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\210819\0819M48.D Vial: 38
Acq On : 20 Aug 21 7:53 Operator: LP,DG,CH
Sample : Ending CCV 300ug/L 8/19/21 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Sep 19 8:16 2021 Quant Results File: MGAS0803.RES

Quant Method : M:\MAX\DATA\210803\MGAS0803.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Aug 06 19:07:21 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	326731	25.00 ppb	-0.04
3) Chlorobenzene-D5 (IS)	11.78	TIC	298911m	25.00 ppb	0.00
4) 1,4-Dichlorobenzene (IS)	10.94	TIC	97195m	25.00 ppb	0.00
System Monitoring Compounds					
Target Compounds					Qvalue
2) Gasoline C6-C10	7.95	TIC	4854554m	289.62 ppb	100

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

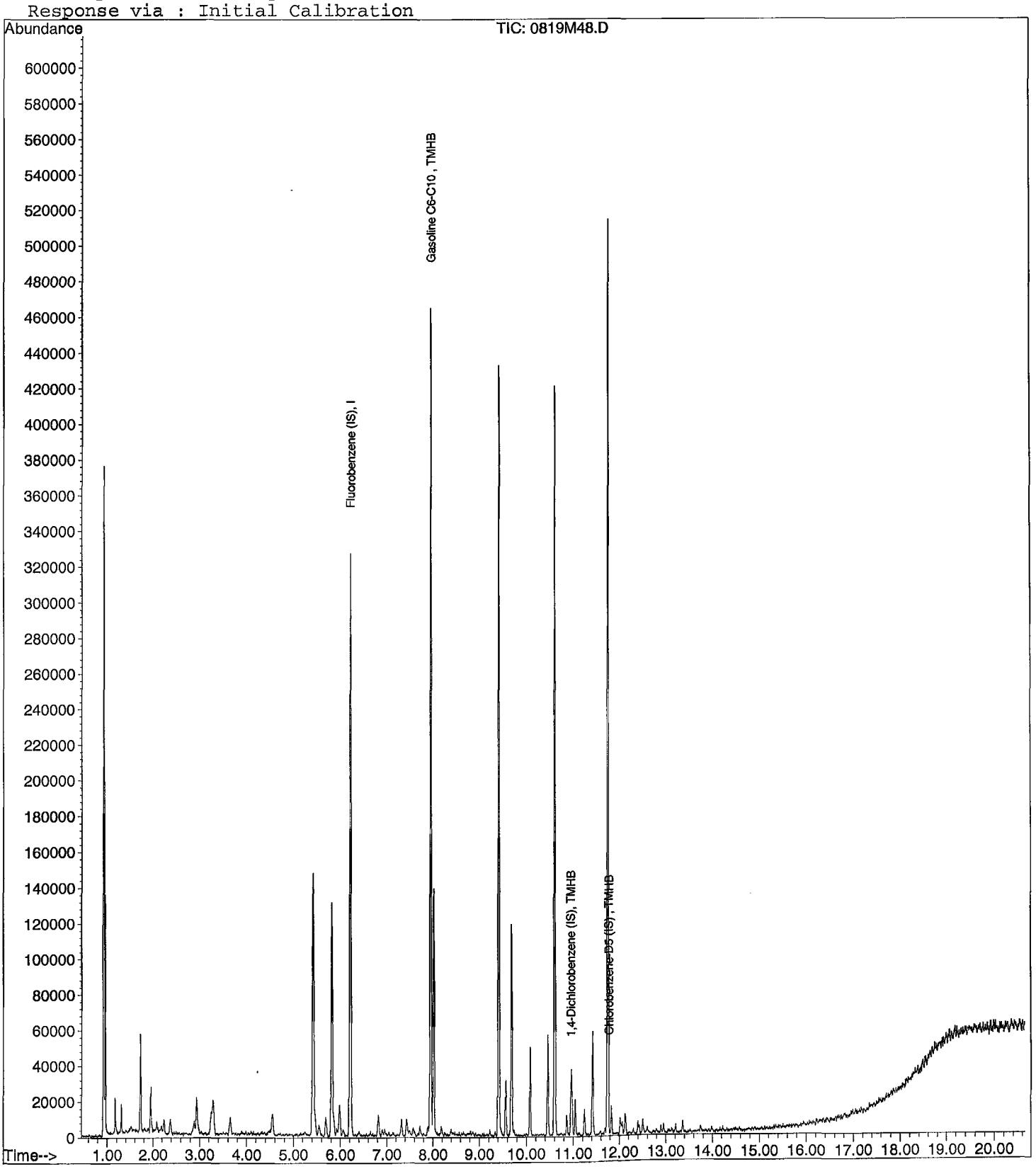
Quantitation Report

Data File : M:\MAX\DATA\210819\0819M48.D
Acq On : 20 Aug 21 7:53
Sample : Ending CCV 300ug/L 8/19/21
Misc : IS&S 6/4/21

Vial: 38
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Sep 19 8:16 2021 Quant Results File: MGAS0803.RES

Method : M:\MAX\DATA\210819\MGAS0803.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Aug 06 19:07:21 2021
Response via : Initial Calibration



ORGANICS
Raw Data

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\210818\0818M24.D Vial: 24
Acq On : 19 Aug 21 00:01 Operator: LP,DG,CH
Sample : BA37421W01 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00000
MS Integration Params: LSCINT.P
Quant Time: Oct 2 10:09 2021 Quant Results File: MSUR803W.RES

Quant Method : M:\MAX\DATA\210803\MSUR803W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 02 10:08:28 2021
Response via : Initial Calibration
DataAcq Meth : 081621_M8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.30	96	28360	25.00	ppb	0.00
4) Chlorobenzene-D5 (IS)	9.76	117	24071	25.00	ppb	0.00
7) 1,4-Dichlorobenzene-D (IS)	0.00	152	0	0.00	ppb	-11.78
System Monitoring Compounds						
2) Dibromofluoromethane(S)	5.46	111	8097	23.01	ppb	-0.04
Spiked Amount 25.000			Recovery =	92.028%		
3) 1,2-DCA-D4(S)	5.88	65	5162	21.24	ppb	-0.02
Spiked Amount 25.000			Recovery =	84.940%		
5) Toluene-D8(S)	8.17	98	27983	25.27	ppb	-0.08
Spiked Amount 25.000			Recovery =	101.068%		
6) 4-Bromofluorobenzene(S)	11.06	95	11469	27.69	ppb	0.00
Spiked Amount 25.000			Recovery =	110.772%		

Target Compounds	Qvalue

(#) = qualifier out of range (m) = manual integration
0818M24.D MSUR803W.M Sat Oct 02 10:09:36 2021

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\210818\0818M24.D Vial: 24
Acq On : 19 Aug 21 00:01 Operator: LP,DG,CH
Sample : BA37421W01 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Oct 2 10:21 2021 Quant Results File: MGAS0803.RES

Quant Method : M:\MAX\DATA\210803\MGAS0803.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Aug 06 19:07:21 2021
Response via : Initial Calibration
DataAcq Meth : 081621_M8260

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	6.30	TIC	31331	25.00 ppb	0.05
3) Chlorobenzene-D5 (IS)	11.78	TIC	19m	25.00 ppb	0.00
4) 1,4-Dichlorobenzene (IS)	10.94	TIC	24489m	25.00 ppb	0.00

System Monitoring Compounds

Target Compounds Qvalue

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

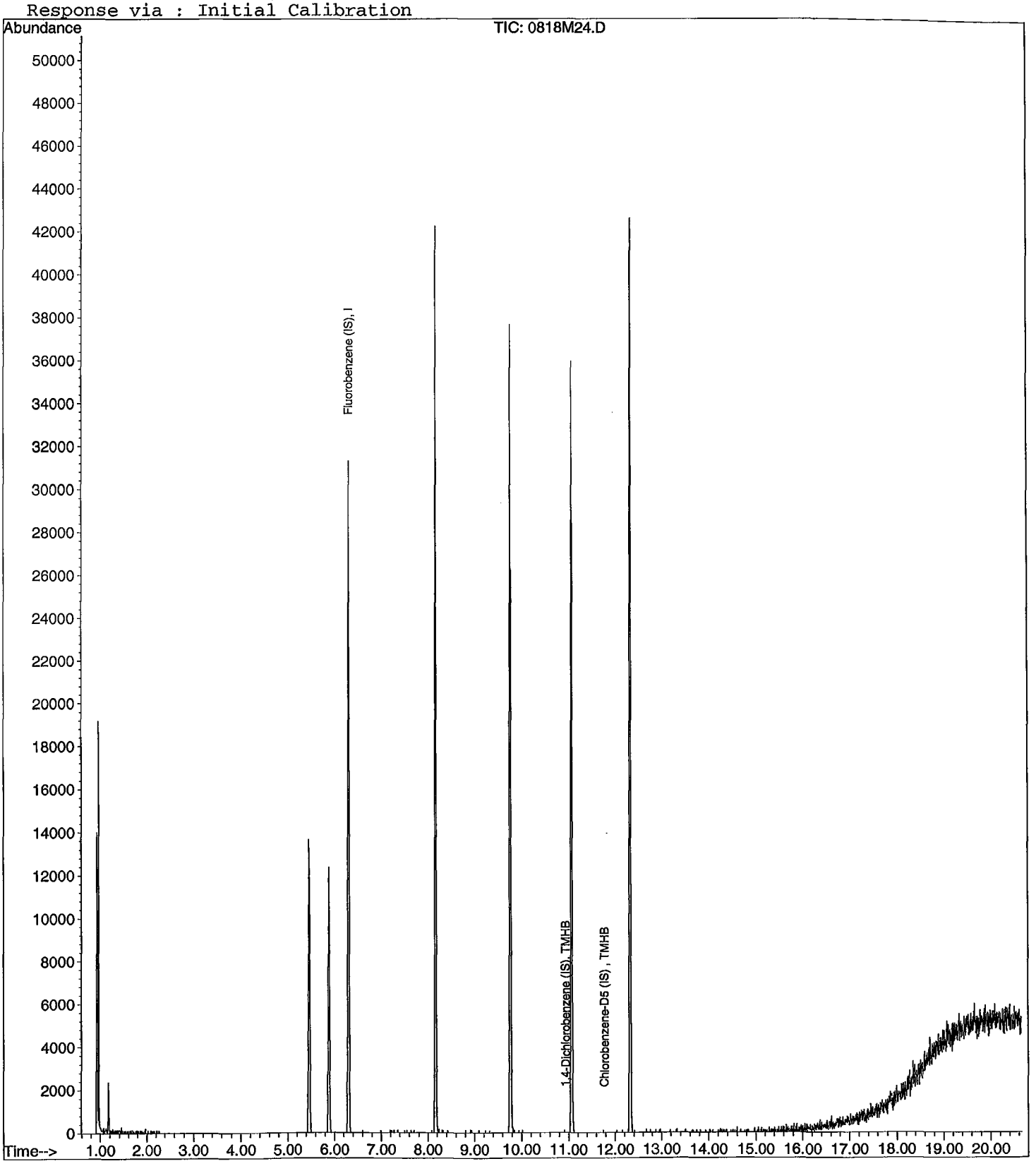
Quantitation Report

Data File : M:\MAX\DATA\210818\0818M24.D
Acq On : 19 Aug 21 00:01
Sample : BA37421W01
Misc : IS&S 6/4/21

Vial: 24
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Oct 2 10:21 2021 Quant Results File: MGAS0803.RES

Method : M:\MAX\DATA\210803\MGAS0803.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Aug 06 19:07:21 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\210818\0818M25.D Vial: 25
Acq On : 19 Aug 21 00:29 Operator: LP,DG,CH
Sample : BA37422W01 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00000
MS Integration Params: LSCINT.P
Quant Time: Oct 2 10:09 2021 Quant Results File: MSUR803W.RES

Quant Method : M:\MAX\DATA\210803\MSUR803W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 02 10:08:28 2021
Response via : Initial Calibration
DataAcq Meth : 081621_M8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.30	96	28156	25.00	ppb	0.00
4) Chlorobenzene-D5 (IS)	9.76	117	24432	25.00	ppb	0.00
7) 1,4-Dichlorobenzene-D (IS)	0.00	152	0	0.00	ppb	-11.78
System Monitoring Compounds						
2) Dibromofluoromethane(S)	5.46	111	7981	22.84	ppb	-0.04
Spiked Amount 25.000			Recovery =	91.368%		
3) 1,2-DCA-D4(S)	5.88	65	5100	21.13	ppb	-0.02
Spiked Amount 25.000			Recovery =	84.528%		
5) Toluene-D8(S)	8.17	98	27934	24.85	ppb	-0.08
Spiked Amount 25.000			Recovery =	99.400%		
6) 4-Bromofluorobenzene(S)	11.06	95	11133	26.48	ppb	0.00
Spiked Amount 25.000			Recovery =	105.940%		

Target Compounds	Qvalue

(#) = qualifier out of range (m) = manual integration
0818M25.D MSUR803W.M Sat Oct 02 10:09:53 2021

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\210818\0818M25.D Vial: 25
Acq On : 19 Aug 21 00:29 Operator: LP,DG,CH
Sample : BA37422W01 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Oct 2 10:21 2021 Quant Results File: MGAS0803.RES

Quant Method : M:\MAX\DATA\210803\MGAS0803.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Aug 06 19:07:21 2021
Response via : Initial Calibration
DataAcq Meth : 081621_M8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.30	TIC	30231	25.00	ppb	0.05
3) Chlorobenzene-D5 (IS)	11.78	TIC	-64m	25.00	ppb	0.00
4) 1,4-Dichlorobenzene (IS)	10.94	TIC	25474m	25.00	ppb	0.00

System Monitoring Compounds

Target Compounds Qvalue

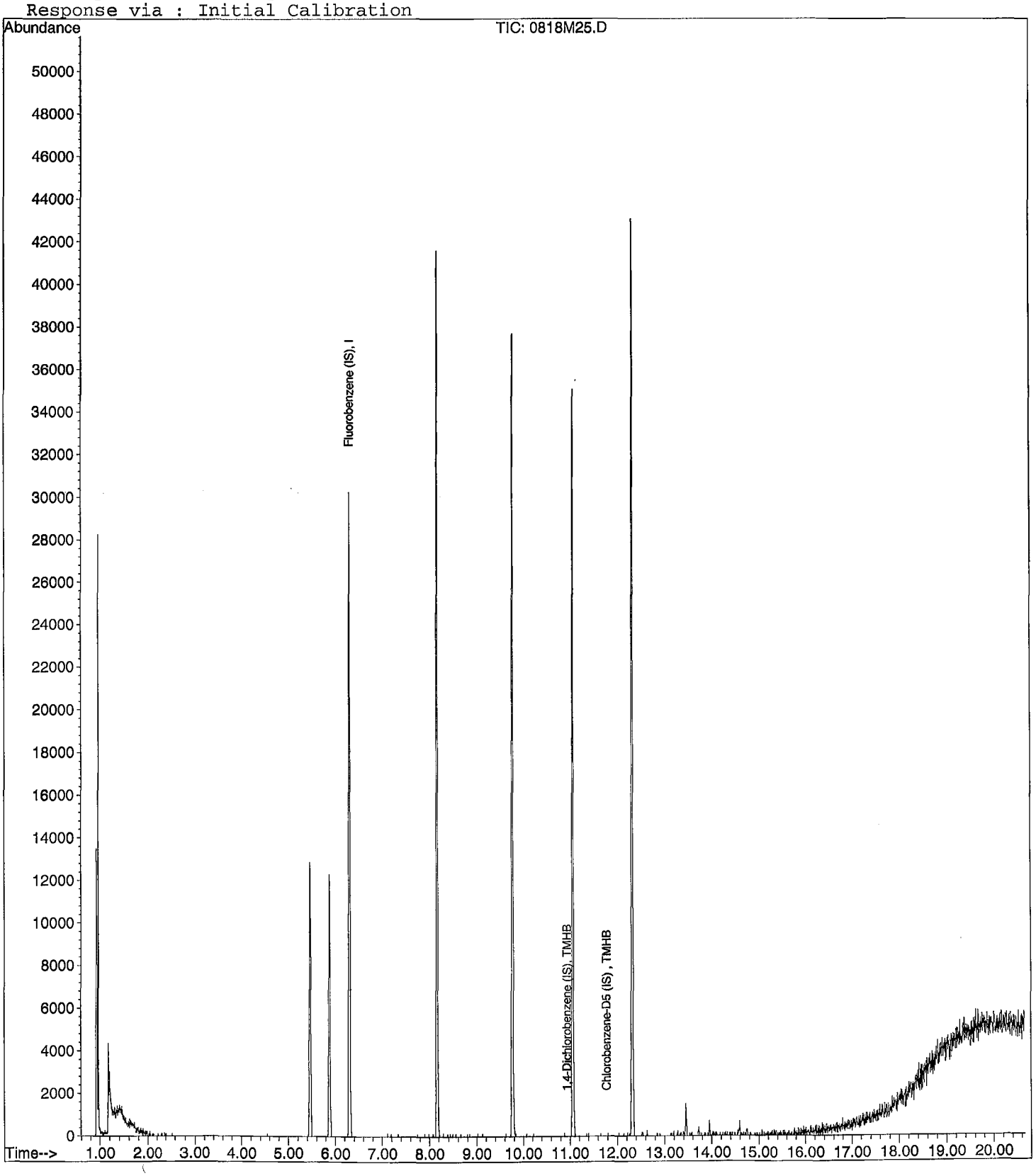
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\MAX\DATA\210818\0818M25.D Vial: 25
Acq On : 19 Aug 21 00:29 Operator: LP,DG,CH
Sample : BA37422W01 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Oct 2 10:21 2021 Quant Results File: MGAS0803.RES

Method : M:\MAX\DATA\210803\MGAS0803.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Aug 06 19:07:21 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\210818\0818M26.D Vial: 26
Acq On : 19 Aug 21 00:56 Operator: LP,DG,CH
Sample : BA37424W01 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00000
MS Integration Params: LSCINT.P
Quant Time: Sep 19 9:08 2021 Quant Results File: MSUR803W.RES

Quant Method : M:\MAX\DATA\210803\MSUR803W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sun Sep 19 09:06:01 2021
Response via : Initial Calibration
DataAcq Meth : 081621_M8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.30	96	27212	25.00	ppb	0.00
4) Chlorobenzene-D5 (IS)	9.76	117	23770	25.00	ppb	0.00
7) 1,4-Dichlorobenzene-D (IS)	12.32	152	14714	25.00	ppb	0.00
System Monitoring Compounds						
2) Dibromofluoromethane(S)	5.46	111	7728	22.89	ppb	-0.04
Spiked Amount 25.000			Recovery = 91.540%			
3) 1,2-DCA-D4(S)	5.88	65	4565	19.57	ppb	-0.02
Spiked Amount 25.000			Recovery = 78.288%			
5) Toluene-D8(S)	8.17	98	26966	24.66	ppb	-0.09
Spiked Amount 25.000			Recovery = 98.628%			
6) 4-Bromofluorobenzene(S)	11.06	95	11034	26.98	ppb	0.00
Spiked Amount 25.000			Recovery = 107.920%			

Target Compounds	Qvalue

(#) = qualifier out of range (m) = manual integration
0818M26.D MSUR803W.M Sat Oct 02 10:10:19 2021

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\210818\0818M26.D Vial: 26
Acq On : 19 Aug 21 00:56 Operator: LP,DG,CH
Sample : BA37424W01 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Oct 2 10:21 2021 Quant Results File: MGAS0803.RES

Quant Method : M:\MAX\DATA\210803\MGAS0803.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Aug 06 19:07:21 2021
Response via : Initial Calibration
DataAcq Meth : 081621_M8260

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	6.30	TIC	30584	25.00 ppb	0.05
3) Chlorobenzene-D5 (IS)	11.78	TIC	0m	25.00 ppb	0.00
4) 1,4-Dichlorobenzene (IS)	10.94	TIC	23690m	25.00 ppb	0.00

System Monitoring Compounds

Target Compounds Qvalue

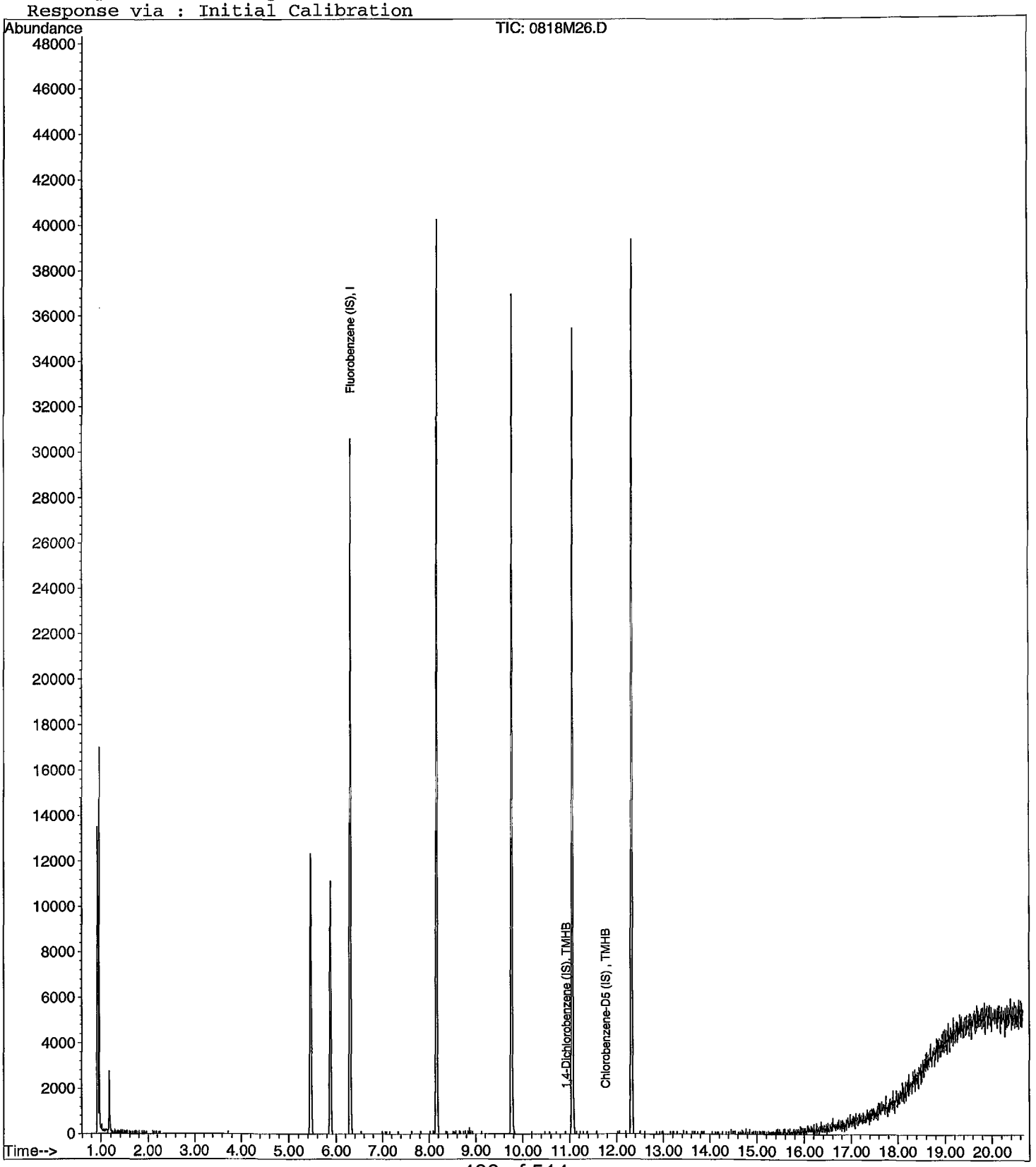
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\MAX\DATA\210818\0818M26.D Vial: 26
Acq On : 19 Aug 21 00:56 Operator: LP,DG,CH
Sample : BA37424W01 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Oct 2 10:21 2021 Quant Results File: MGAS0803.RES

Method : M:\MAX\DATA\210803\MGAS0803.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Aug 06 19:07:21 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\210818\0818M07.D Vial: 4
Acq On : 18 Aug 21 16:06 Operator: LP,DG,CH
Sample : 210818A BLK Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Sep 19 9:06 2021 Quant Results File: MSUR803W.RES

Quant Method : M:\MAX\DATA\210803\MSUR803W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sun Sep 19 09:06:01 2021
Response via : Initial Calibration
DataAcq Meth : 081621_M8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.31	96	28390	25.00	ppb	0.00
4) Chlorobenzene-D5 (IS)	9.77	117	24618	25.00	ppb	0.00
7) 1,4-Dichlorobenzene-D (IS)	12.33	152	14937	25.00	ppb	0.00
System Monitoring Compounds						
2) Dibromofluoromethane(S)	5.46	111	7904	22.43	ppb	-0.04
Spiked Amount 25.000			Recovery = 89.740%			
3) 1,2-DCA-D4(S)	5.88	65	4877	20.04	ppb	-0.02
Spiked Amount 25.000			Recovery = 80.168%			
5) Toluene-D8(S)	8.17	98	28761	25.39	ppb	-0.09
Spiked Amount 25.000			Recovery = 101.568%			
6) 4-Bromofluorobenzene(S)	11.06	95	11588	27.36	ppb	0.00
Spiked Amount 25.000			Recovery = 109.436%			

Target Compounds Qvalue

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

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\210819\0819M34.D Vial: 24
Acq On : 20 Aug 21 1:21 Operator: LP,DG,CH
Sample : BA37425W01 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Oct 9 6:32 2021 Quant Results File: MSUR803W.RES

Quant Method : M:\MAX\DATA\210819\MSUR803W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 09 06:32:21 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	305385	25.00	ppb	0.00
4) Chlorobenzene-D5 (IS)	9.41	117	256727	25.00	ppb	0.00
7) 1,4-Dichlorobenzene-D (IS)	11.75	152	163311	25.00	ppb	-0.03
System Monitoring Compounds						
2) Dibromofluoromethane(S)	5.41	111	92342	24.37	ppb	0.00
Spiked Amount 25.000			Recovery = 97.468%			
3) 1,2-DCA-D4(S)	5.81	65	58304	22.27	ppb	0.00
Spiked Amount 25.000			Recovery = 89.096%			
5) Toluene-D8(S)	7.95	98	299056	25.32	ppb	0.00
Spiked Amount 25.000			Recovery = 101.272%			
6) 4-Bromofluorobenzene(S)	10.60	95	119604	27.08	ppb	0.00
Spiked Amount 25.000			Recovery = 108.312%			

Target Compounds Qvalue

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

Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\210819\0819M34.D Vial: 24
Acq On : 20 Aug 21 1:21 Operator: LP,DG,CH
Sample : BA37425W01 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Oct 9 6:21 2021 Quant Results File: MGAS0803.RES

Quant Method : M:\MAX\DATA\210819\MGAS0803.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Aug 06 19:07:21 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	348530	25.00 ppb	-0.04
3) Chlorobenzene-D5 (IS)	11.78	TIC	351219m	25.00 ppb	0.00
4) 1,4-Dichlorobenzene (IS)	10.94	TIC	59581m	25.00 ppb	0.00
System Monitoring Compounds					
Target Compounds					Qvalue
2) Gasoline C6-C10	7.95	TIC	4126722m	92.18 ppb	100

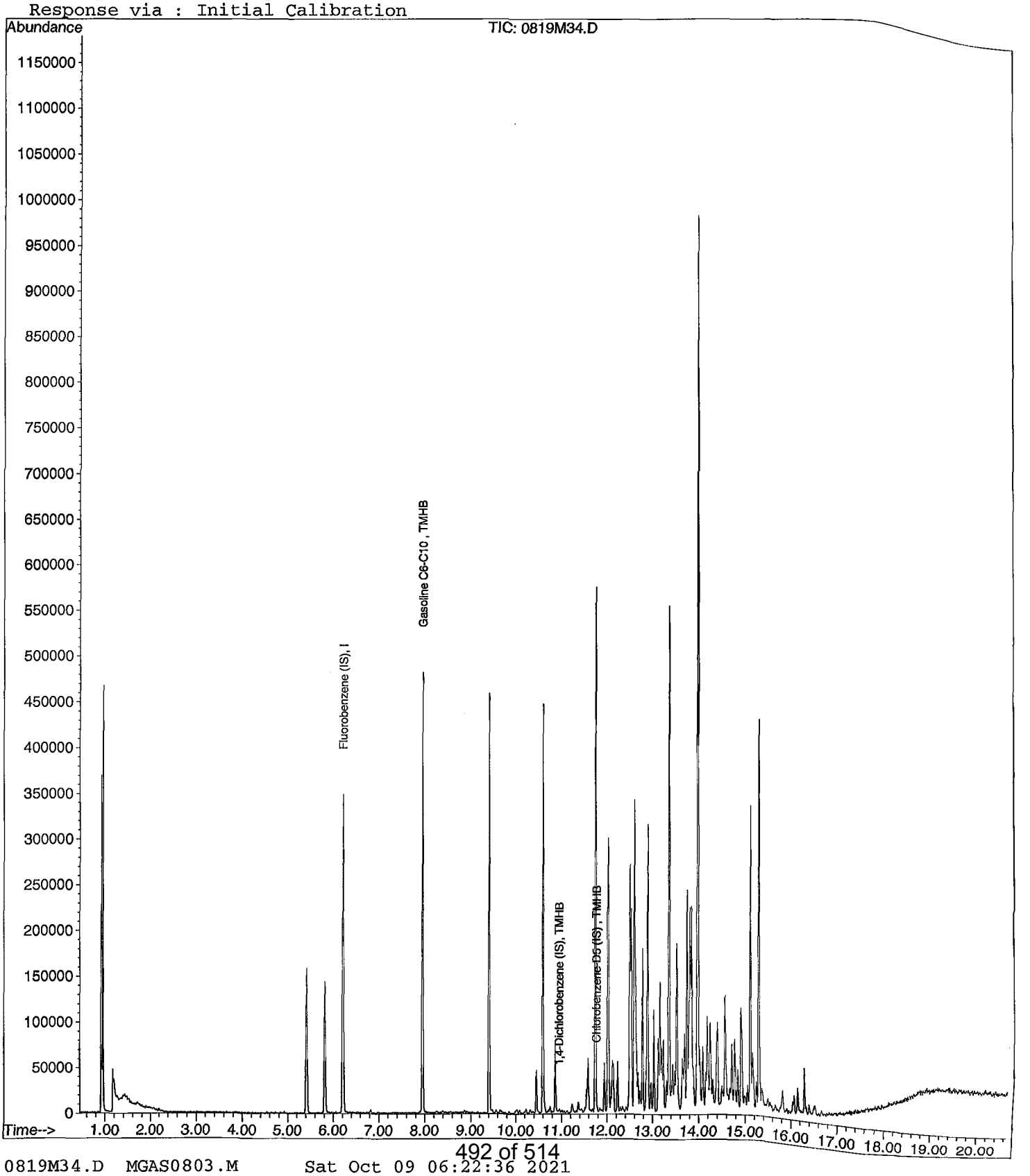
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\MAX\DATA\210819\0819M34.D Vial: 24
Acq On : 20 Aug 21 1:21 Operator: LP,DG,CH
Sample : BA37425W01 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Oct 9 6:21 2021 Quant Results File: MGAS0803.RES

Method : M:\MAX\DATA\210819\MGAS0803.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Aug 06 19:07:21 2021
Response via : Initial Calibration



0819M34.D MGAS0803.M Sat Oct 09 06:22:36 2021

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\210819\0819M35.D Vial: 25
Acq On : 20 Aug 21 1:49 Operator: LP,DG,CH
Sample : BA37427W01 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Oct 9 6:32 2021 Quant Results File: MSUR803W.RES

Quant Method : M:\MAX\DATA\210819\MSUR803W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 09 06:32:21 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	322050	25.00	ppb	0.00
4) Chlorobenzene-D5 (IS)	9.42	117	259901	25.00	ppb	0.00
7) 1,4-Dichlorobenzene-D (IS)	11.75	152	160487	25.00	ppb	-0.03
System Monitoring Compounds						
2) Dibromofluoromethane(S)	5.41	111	89940	22.50	ppb	0.00
Spiked Amount 25.000			Recovery = 90.020%			
3) 1,2-DCA-D4(S)	5.81	65	55848	20.23	ppb	0.00
Spiked Amount 25.000			Recovery = 80.928%			
5) Toluene-D8(S)	7.95	98	302468	25.29	ppb	0.00
Spiked Amount 25.000			Recovery = 101.176%			
6) 4-Bromofluorobenzene(S)	10.60	95	119342	26.69	ppb	0.00
Spiked Amount 25.000			Recovery = 106.756%			

Target Compounds Qvalue

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

Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\210819\0819M35.D Vial: 25
Acq On : 20 Aug 21 1:49 Operator: LP,DG,CH
Sample : BA37427W01 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Oct 9 6:21 2021 Quant Results File: MGAS0803.RES

Quant Method : M:\MAX\DATA\210819\MGAS0803.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Aug 06 19:07:21 2021
Response via : Initial Calibration
DataAcq Meth : M8260_081021

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	6.22	TIC	359420	25.00 ppb	-0.04
3) Chlorobenzene-D5 (IS)	11.78	TIC	289344m	25.00 ppb	0.00
4) 1,4-Dichlorobenzene (IS)	10.94	TIC	9427m	25.00 ppb	0.00

System Monitoring Compounds

Target Compounds Qvalue

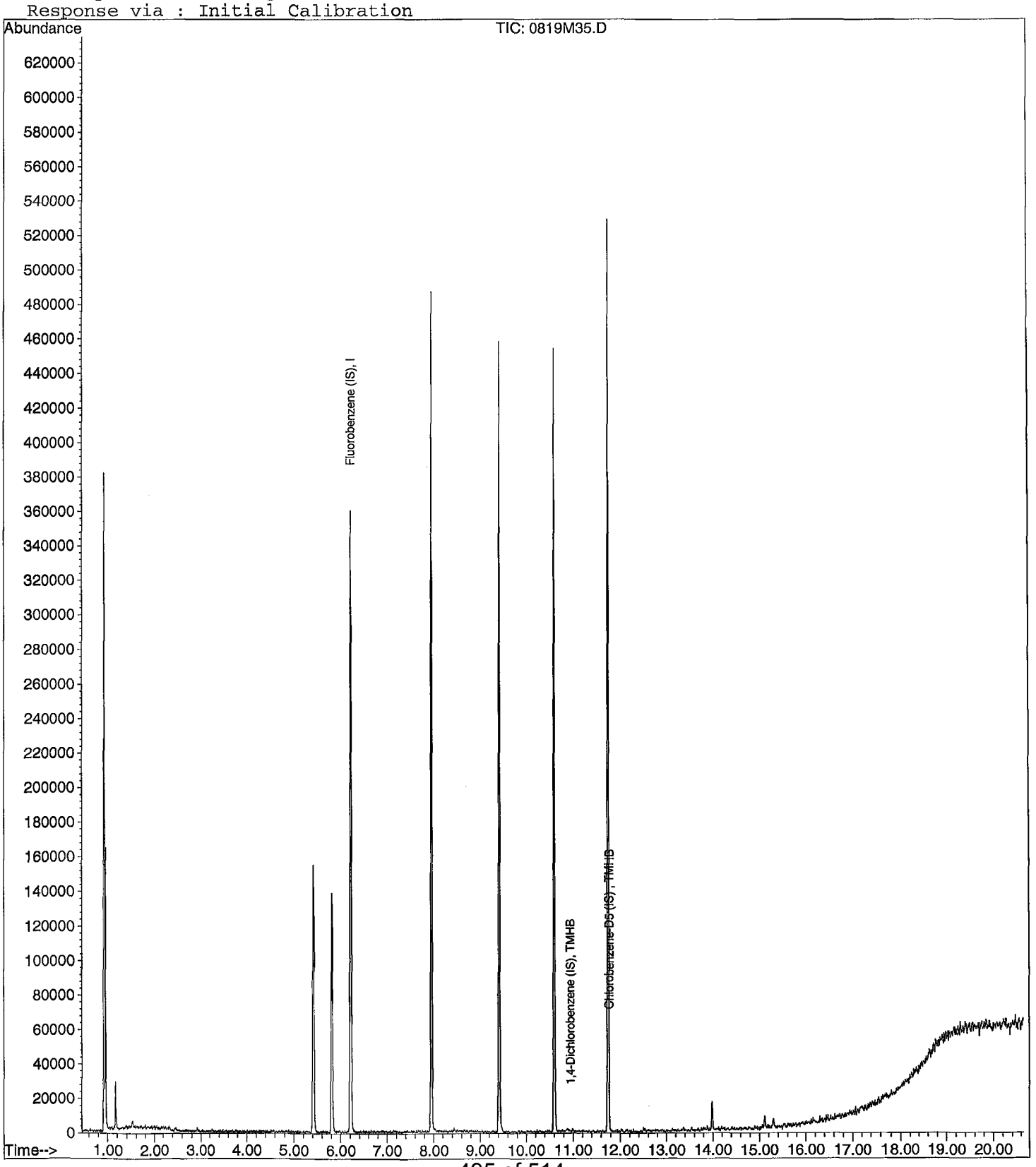
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\MAX\DATA\210819\0819M35.D Vial: 25
Acq On : 20 Aug 21 1:49 Operator: LP,DG,CH
Sample : BA37427W01 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Oct 9 6:21 2021 Quant Results File: MGAS0803.RES

Method : M:\MAX\DATA\210819\MGAS0803.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Aug 06 19:07:21 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\210819\0819M36.D Vial: 26
Acq On : 20 Aug 21 2:17 Operator: LP,DG,CH
Sample : BA37428W01 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Oct 9 6:32 2021 Quant Results File: MSUR803W.RES

Quant Method : M:\MAX\DATA\210819\MSUR803W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 09 06:32:21 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	314943	25.00	ppb	0.00
4) Chlorobenzene-D5 (IS)	9.41	117	255271	25.00	ppb	0.00
7) 1,4-Dichlorobenzene-D (IS)	11.75	152	157569	25.00	ppb	-0.03
System Monitoring Compounds						
2) Dibromofluoromethane(S)	5.42	111	89816	22.98	ppb	0.00
Spiked Amount 25.000			Recovery =	91.924%		
3) 1,2-DCA-D4(S)	5.81	65	59240	21.94	ppb	0.00
Spiked Amount 25.000			Recovery =	87.780%		
5) Toluene-D8(S)	7.95	98	303076	25.80	ppb	0.00
Spiked Amount 25.000			Recovery =	103.220%		
6) 4-Bromofluorobenzene(S)	10.60	95	118670	27.02	ppb	0.00
Spiked Amount 25.000			Recovery =	108.080%		

Target Compounds Qvalue

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

Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\210819\0819M36.D Vial: 26
Acq On : 20 Aug 21 2:17 Operator: LP,DG,CH
Sample : BA37428W01 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Oct 9 6:21 2021 Quant Results File: MGAS0803.RES

Quant Method : M:\MAX\DATA\210819\MGAS0803.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Aug 06 19:07:21 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	358467	25.00 ppb	-0.04
3) Chlorobenzene-D5 (IS)	11.78	TIC	278239m	25.00 ppb	0.00
4) 1,4-Dichlorobenzene (IS)	10.94	TIC	11548m	25.00 ppb	0.00

System Monitoring Compounds

Target Compounds Qvalue

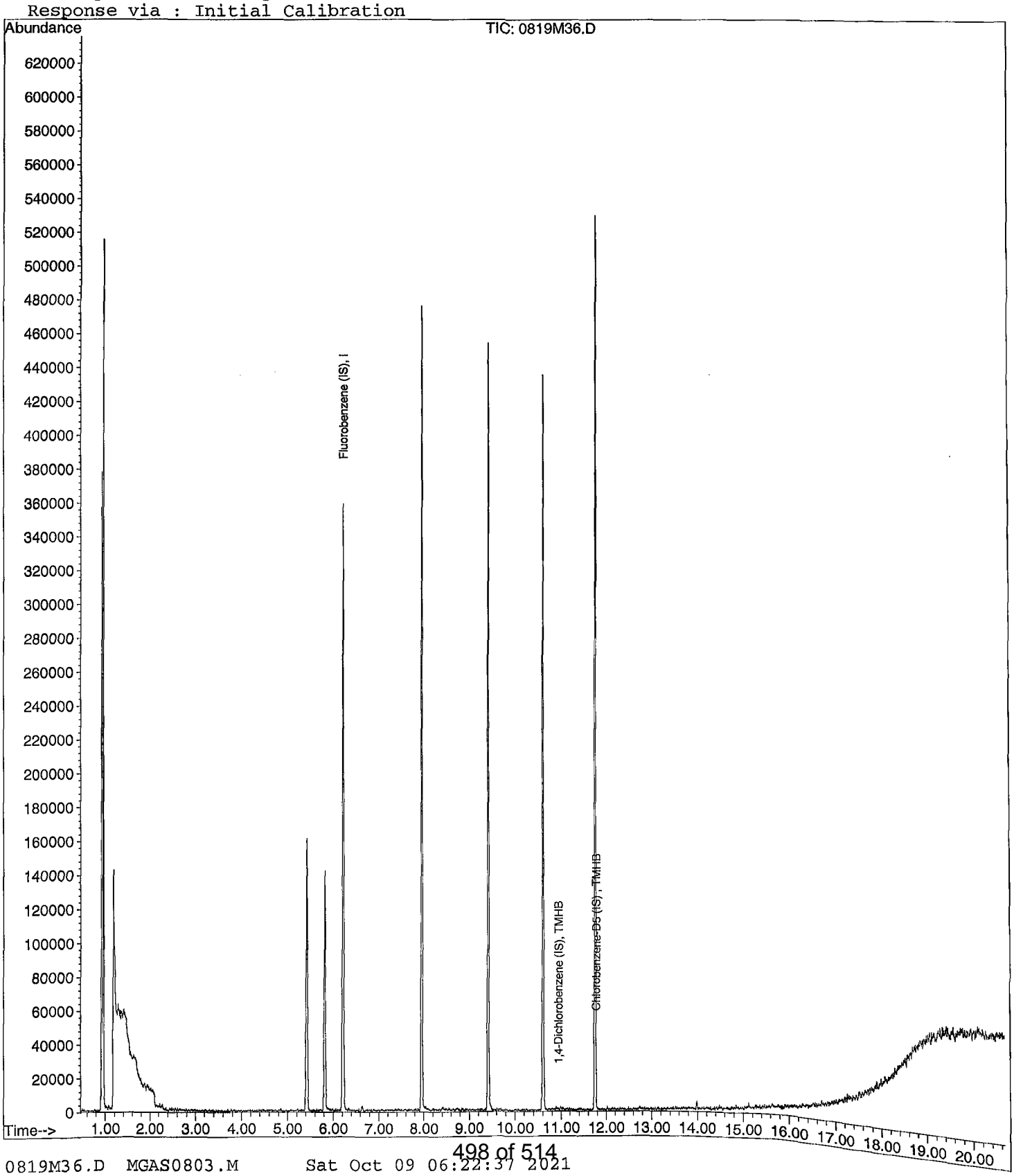
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\MAX\DATA\210819\0819M36.D Vial: 26
Acq On : 20 Aug 21 2:17 Operator: LP,DG,CH
Sample : BA37428W01 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Oct 9 6:21 2021 Quant Results File: MGAS0803.RES

Method : M:\MAX\DATA\210819\MGAS0803.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Aug 06 19:07:21 2021
Response via : Initial Calibration



0819M36.D MGAS0803.M Sat Oct 09 06:22:37 2021

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\210819\0819M37.D Vial: 27
Acq On : 20 Aug 21 2:45 Operator: LP,DG,CH
Sample : BA37430W01 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Oct 9 6:32 2021 Quant Results File: MSUR803W.RES

Quant Method : M:\MAX\DATA\210819\MSUR803W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 09 06:32:21 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	308614	25.00	ppb	0.00
4) Chlorobenzene-D5 (IS)	9.41	117	259229	25.00	ppb	0.00
7) 1,4-Dichlorobenzene-D (IS)	11.75	152	154466	25.00	ppb	-0.03
System Monitoring Compounds						
2) Dibromofluoromethane(S)	5.41	111	88204	23.03	ppb	0.00
Spiked Amount 25.000			Recovery =	92.124%		
3) 1,2-DCA-D4(S)	5.82	65	56696	21.43	ppb	0.00
Spiked Amount 25.000			Recovery =	85.732%		
5) Toluene-D8(S)	7.95	98	296828	24.89	ppb	0.00
Spiked Amount 25.000			Recovery =	99.548%		
6) 4-Bromofluorobenzene(S)	10.60	95	118759	26.63	ppb	0.00
Spiked Amount 25.000			Recovery =	106.508%		

Target Compounds Qvalue

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

Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\210819\0819M37.D Vial: 27
Acq On : 20 Aug 21 2:45 Operator: LP,DG,CH
Sample : BA37430W01 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Oct 9 6:20 2021 Quant Results File: MGAS0803.RES

Quant Method : M:\MAX\DATA\210819\MGAS0803.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Aug 06 19:07:21 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	339770	25.00 ppb	-0.04
3) Chlorobenzene-D5 (IS)	11.78	TIC	293013m	25.00 ppb	0.00
4) 1,4-Dichlorobenzene (IS)	10.94	TIC	8713m	25.00 ppb	0.00

System Monitoring Compounds

Target Compounds Qvalue

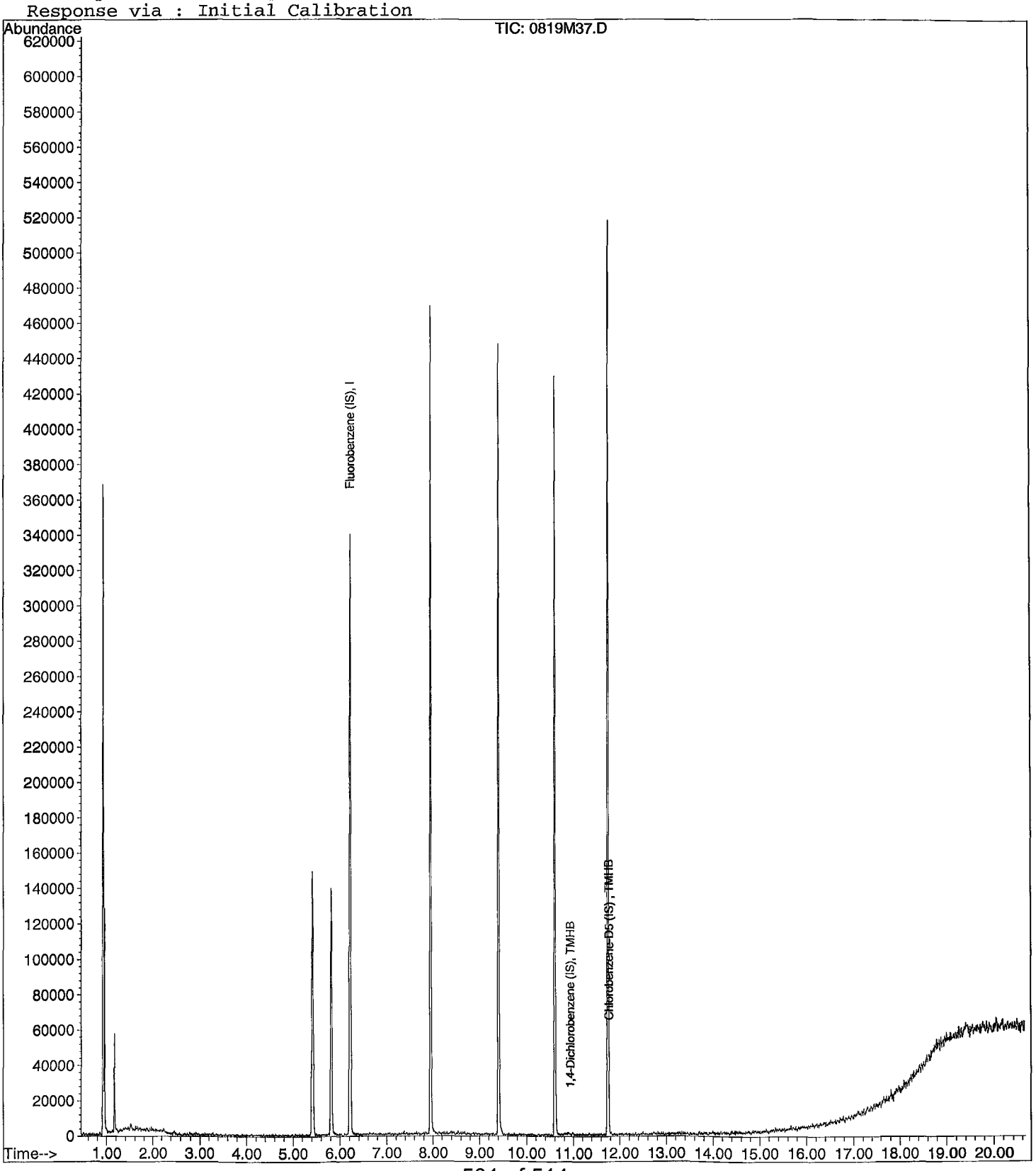
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\MAX\DATA\210819\0819M37.D Vial: 27
Acq On : 20 Aug 21 2:45 Operator: LP,DG,CH
Sample : BA37430W01 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Oct 9 6:20 2021 Quant Results File: MGAS0803.RES

Method : M:\MAX\DATA\210819\MGAS0803.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Aug 06 19:07:21 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\210819\0819M38.D Vial: 28
Acq On : 20 Aug 21 3:13 Operator: LP,DG,CH
Sample : BA37431W01 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Oct 9 6:32 2021 Quant Results File: MSUR803W.RES

Quant Method : M:\MAX\DATA\210819\MSUR803W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 09 06:32:21 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	306739	25.00	ppb	0.00
4) Chlorobenzene-D5 (IS)	9.41	117	250926	25.00	ppb	0.00
7) 1,4-Dichlorobenzene-D (IS)	11.75	152	153789	25.00	ppb	-0.03
System Monitoring Compounds						
2) Dibromofluoromethane(S)	5.41	111	88953	23.37	ppb	0.00
Spiked Amount 25.000			Recovery =	93.476%		
3) 1,2-DCA-D4(S)	5.82	65	56296	21.41	ppb	0.00
Spiked Amount 25.000			Recovery =	85.648%		
5) Toluene-D8(S)	7.95	98	296996	25.73	ppb	0.00
Spiked Amount 25.000			Recovery =	102.900%		
6) 4-Bromofluorobenzene(S)	10.60	95	116842	27.06	ppb	0.00
Spiked Amount 25.000			Recovery =	108.256%		

Target Compounds Qvalue

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

Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\210819\0819M38.D
Acq On : 20 Aug 21 3:13
Sample : BA37431W01
Misc : IS&S 6/4/21

Vial: 28
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Oct 9 6:20 2021 Quant Results File: MGAS0803.RES

Quant Method : M:\MAX\DATA\210819\MGAS0803.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Aug 06 19:07:21 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	339674	25.00	ppb	-0.04
3) Chlorobenzene-D5 (IS)	11.78	TIC	282958m	25.00	ppb	0.00
4) 1,4-Dichlorobenzene (IS)	10.94	TIC	8787m	25.00	ppb	0.00

System Monitoring Compounds

Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration
0819M38.D MGAS0803.M Sat Oct 09 06:22:39 2021

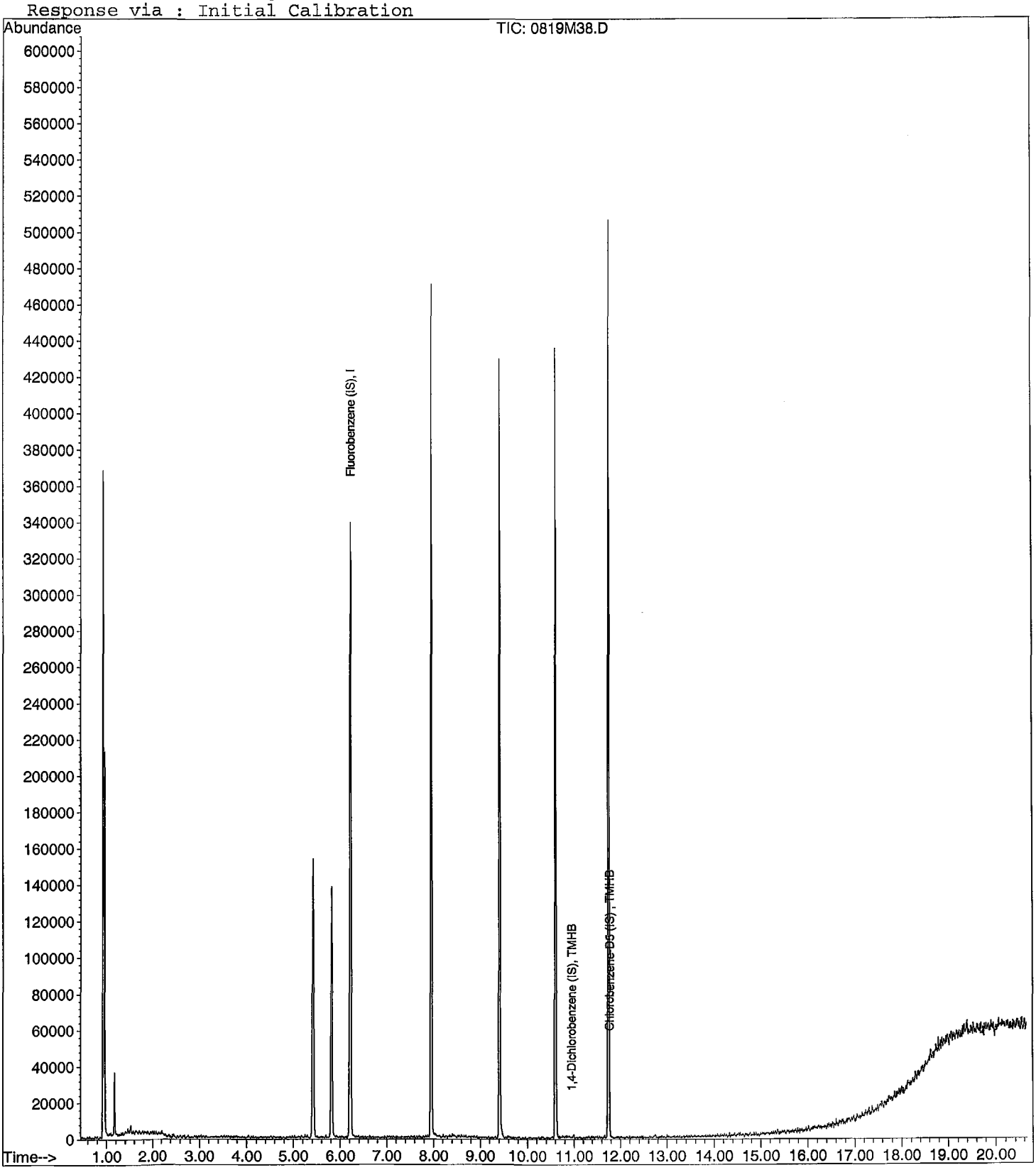
Quantitation Report

Data File : M:\MAX\DATA\210819\0819M38.D
Acq On : 20 Aug 21 3:13
Sample : BA37431W01
Misc : IS&S 6/4/21

Vial: 28
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Oct 9 6:20 2021 Quant Results File: MGAS0803.RES

Method : M:\MAX\DATA\210819\MGAS0803.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Aug 06 19:07:21 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\210819\0819M26.D Vial: 16
Acq On : 19 Aug 21 21:38 Operator: LP,DG,CH
Sample : 210819A BLK Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Oct 9 6:32 2021 Quant Results File: MSUR803W.RES

Quant Method : M:\MAX\DATA\210819\MSUR803W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 09 06:32:21 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	335966	25.00	ppb	0.00
4) Chlorobenzene-D5 (IS)	9.41	117	271911	25.00	ppb	0.00
7) 1,4-Dichlorobenzene-D (IS)	11.75	152	163893	25.00	ppb	-0.03
System Monitoring Compounds						
2) Dibromofluoromethane(S)	5.41	111	92958	22.30	ppb	0.00
Spiked Amount 25.000			Recovery =	89.184%		
3) 1,2-DCA-D4(S)	5.82	65	60528	21.02	ppb	0.00
Spiked Amount 25.000			Recovery =	84.076%		
5) Toluene-D8(S)	7.95	98	320736	25.64	ppb	0.00
Spiked Amount 25.000			Recovery =	102.548%		
6) 4-Bromofluorobenzene(S)	10.60	95	125922	26.92	ppb	0.00
Spiked Amount 25.000			Recovery =	107.664%		

Target Compounds Qvalue

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

Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\210819\0819M26.D Vial: 16
Acq On : 19 Aug 21 21:38 Operator: LP,DG,CH
Sample : 210819A BLK Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Oct 9 6:22 2021 Quant Results File: MGAS0803.RES

Quant Method : M:\MAX\DATA\210819\MGAS0803.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Aug 06 19:07:21 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	369645	25.00	ppb	-0.04
3) Chlorobenzene-D5 (IS)	11.78	TIC	291303m	25.00	ppb	0.00
4) 1,4-Dichlorobenzene (IS)	10.94	TIC	10594m	25.00	ppb	0.00

System Monitoring Compounds

Target Compounds Qvalue

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

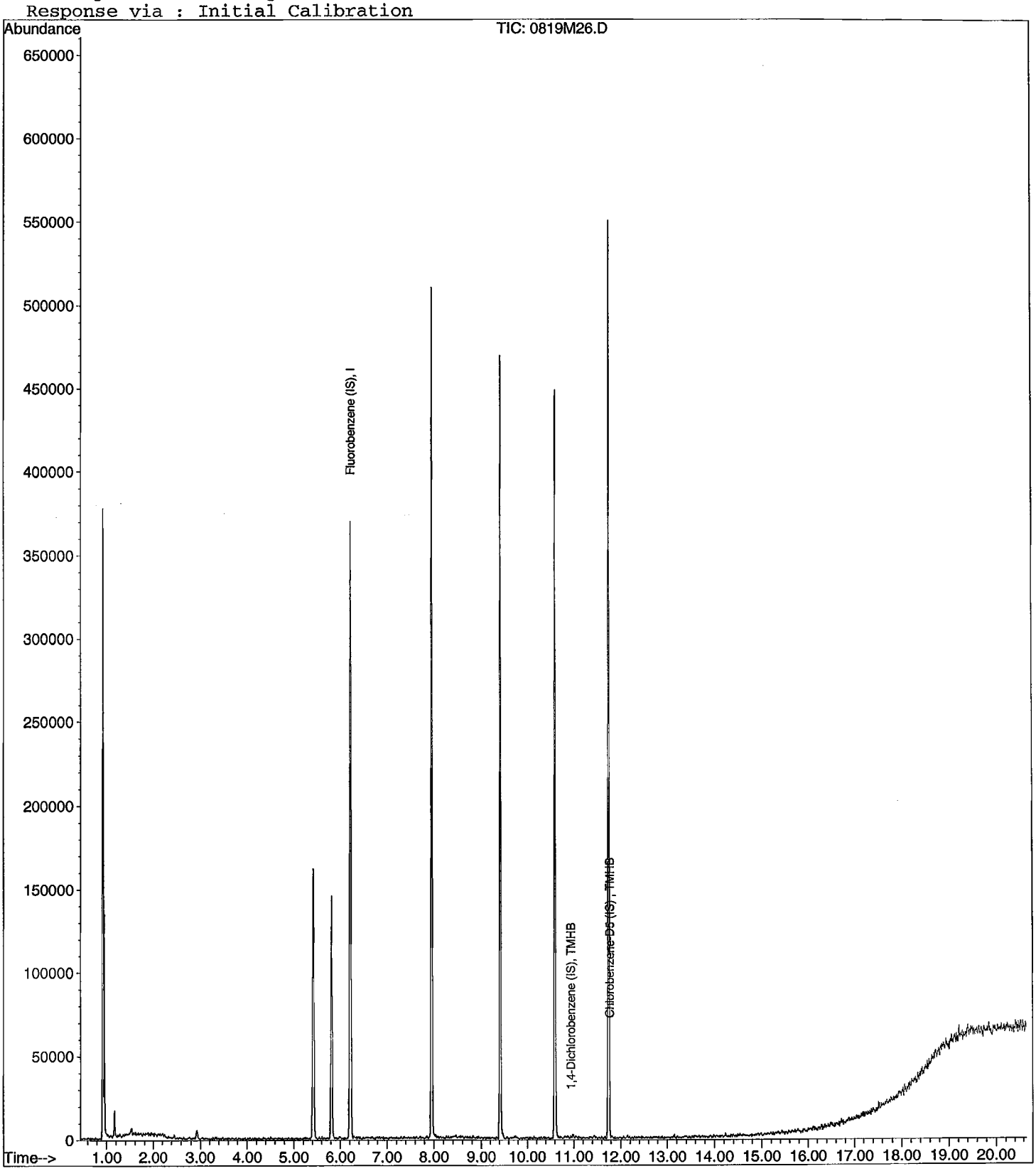
Quantitation Report

Data File : M:\MAX\DATA\210819\0819M26.D
Acq On : 19 Aug 21 21:38
Sample : 210819A BLK
Misc : IS&S 6/4/21

Vial: 16
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Oct 9 6:22 2021 Quant Results File: MGAS0803.RES

Method : M:\MAX\DATA\210819\MGAS0803.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Aug 06 19:07:21 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\210818\0818M07.D Vial: 4
Acq On : 18 Aug 21 16:06 Operator: LP,DG,CH
Sample : 210818A BLK Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00000
MS Integration Params: LSCINT.P
Quant Time: Oct 9 6:40 2021 Quant Results File: MSUR803W.RES

Quant Method : M:\MAX\DATA\210819\MSUR803W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 09 06:40:34 2021
Response via : Initial Calibration
DataAcq Meth : 081621_M8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.31	96	28390	25.00	ppb	0.00
4) Chlorobenzene-D5 (IS)	9.77	117	24618	25.00	ppb	0.00
7) 1,4-Dichlorobenzene-D (IS)	0.00	152	0	0.00	ppb	-11.78
System Monitoring Compounds						
2) Dibromofluoromethane(S)	5.46	111	7904	22.43	ppb	-0.04
Spiked Amount 25.000			Recovery = 89.740%			
3) 1,2-DCA-D4(S)	5.88	65	4877	20.04	ppb	-0.02
Spiked Amount 25.000			Recovery = 80.168%			
5) Toluene-D8(S)	8.17	98	28761	25.39	ppb	-0.08
Spiked Amount 25.000			Recovery = 101.568%			
6) 4-Bromofluorobenzene(S)	11.06	95	11588	27.36	ppb	0.00
Spiked Amount 25.000			Recovery = 109.436%			

Target Compounds	Qvalue

(#) = qualifier out of range (m) = manual integration
0818M07.D MSUR803W.M Sat Oct 09 06:40:49 2021

Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\210818\0818M07.D Vial: 4
Acq On : 18 Aug 21 16:06 Operator: LP,DG,CH
Sample : 210818A BLK Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Sep 19 9:03 2021 Quant Results File: MGAS0803.RES

Quant Method : M:\MAX\DATA\210803\MGAS0803.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Aug 06 19:07:21 2021
Response via : Initial Calibration
DataAcq Meth : 081621_M8260

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	6.30	TIC	30679	25.00 ppb	0.05
3) Chlorobenzene-D5 (IS)	11.78	TIC	-68m	25.00 ppb	0.00
4) 1,4-Dichlorobenzene (IS)	10.94	TIC	25362m	25.00 ppb	0.00

System Monitoring Compounds

Target Compounds Qvalue

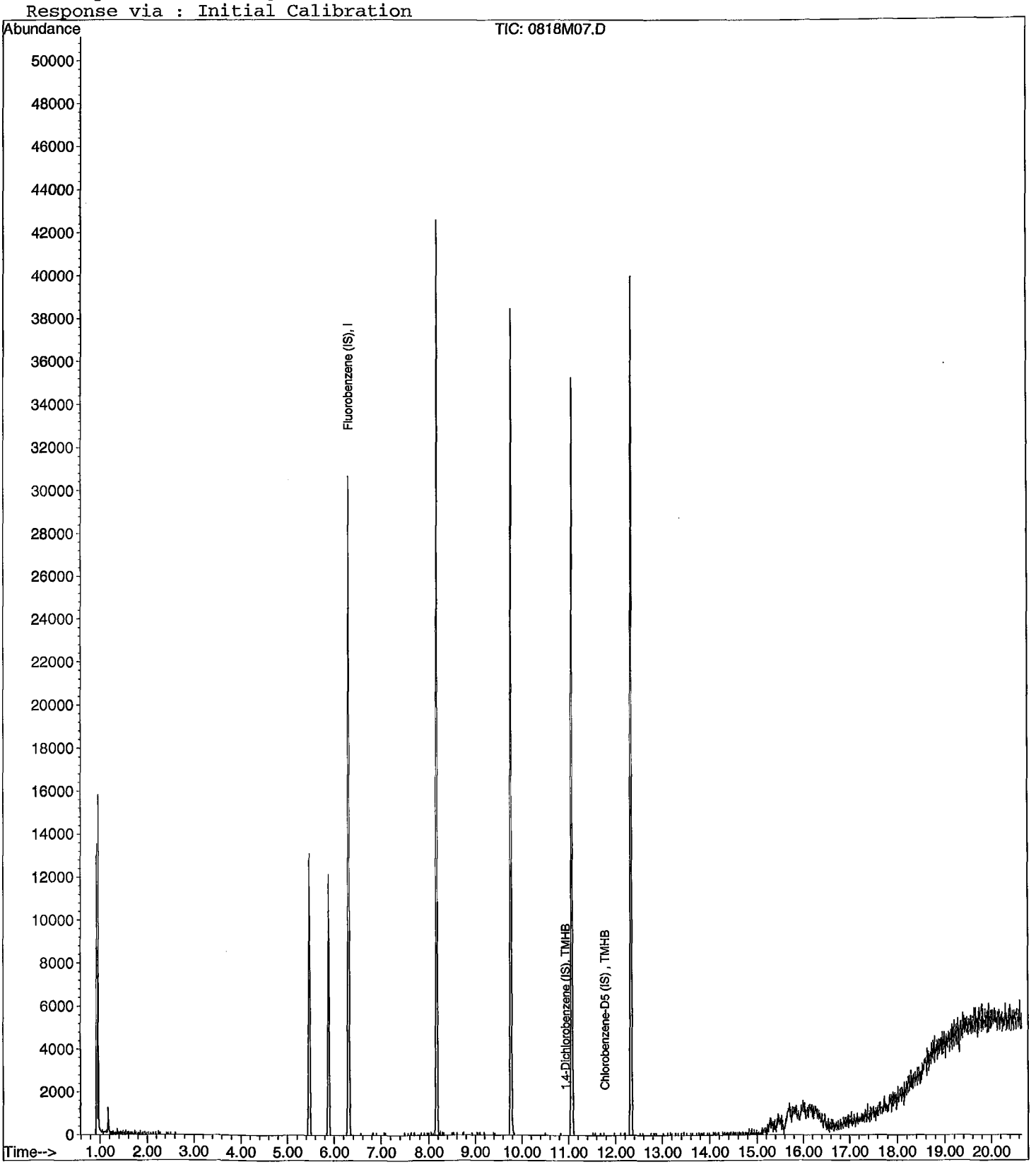
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\MAX\DATA\210818\0818M07.D Vial: 4
Acq On : 18 Aug 21 16:06 Operator: LP,DG,CH
Sample : 210818A BLK Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Sep 19 9:03 2021 Quant Results File: MGAS0803.RES

Method : M:\MAX\DATA\210803\MGAS0803.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Aug 06 19:07:21 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\210818\0818M06.D Vial: 3
Acq On : 18 Aug 21 15:38 Operator: LP,DG,CH
Sample : 210818A LCSD 300ug/L Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Sep 19 9:12 2021 Quant Results File: MSUR803W.RES

Quant Method : M:\MAX\DATA\210803\MSUR803W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sun Sep 19 09:06:01 2021
Response via : Initial Calibration
DataAcq Meth : 081621_M8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.31	96	28026	25.00	ppb	0.00
4) Chlorobenzene-D5 (IS)	9.76	117	23954	25.00	ppb	0.00
7) 1,4-Dichlorobenzene-D (IS)	12.32	152	15304	25.00	ppb	0.00
System Monitoring Compounds						
2) Dibromofluoromethane(S)	5.47	111	7771	22.34	ppb	-0.03
Spiked Amount 25.000			Recovery = 89.376%			
3) 1,2-DCA-D4(S)	5.89	65	4845	20.17	ppb	-0.02
Spiked Amount 25.000			Recovery = 80.676%			
5) Toluene-D8(S)	8.17	98	27927	25.34	ppb	-0.09
Spiked Amount 25.000			Recovery = 101.360%			
6) 4-Bromofluorobenzene(S)	11.06	95	11367	27.58	ppb	0.00
Spiked Amount 25.000			Recovery = 110.324%			

Target Compounds Qvalue

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

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\210818\0818M06.D Vial: 3
Acq On : 18 Aug 21 15:38 Operator: LP,DG,CH
Sample : 210818A LCSD 300ug/L Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Oct 2 10:00 2021 Quant Results File: MGAS0803.RES

Quant Method : M:\MAX\DATA\210803\MGAS0803.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Aug 06 19:07:21 2021
Response via : Initial Calibration
DataAcq Meth : 081621_M8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.31	TIC	30185	25.00	ppb	0.05
3) Chlorobenzene-D5 (IS)	11.78	TIC	2733m	25.00	ppb	0.00
4) 1,4-Dichlorobenzene (IS)	10.94	TIC	31701m	25.00	ppb	0.00
System Monitoring Compounds						
Target Compounds						Qvalue
2) Gasoline C6-C10	8.17	TIC	451782m	296.77	ppb	100

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

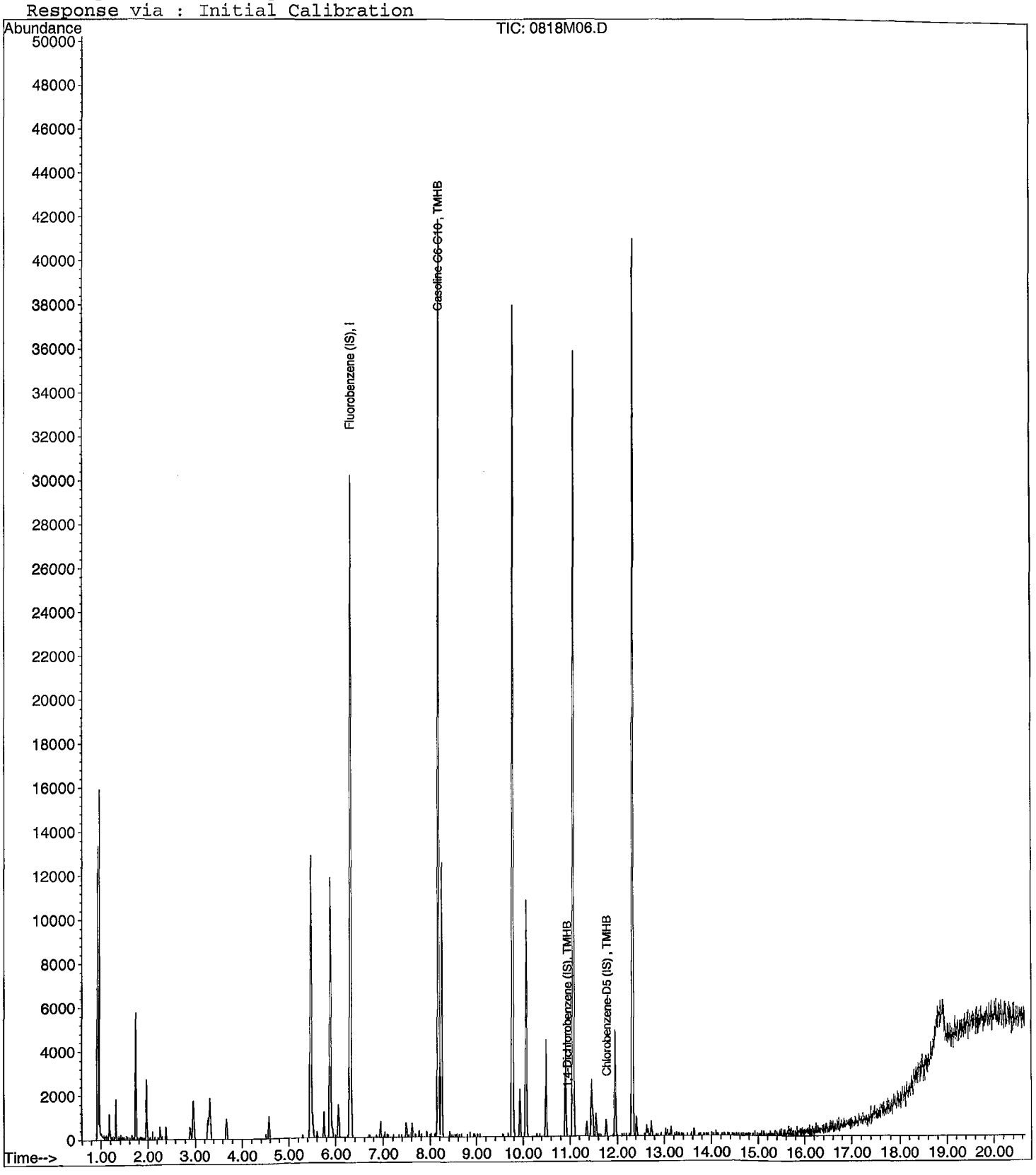
Quantitation Report

Data File : M:\MAX\DATA\210818\0818M06.D
Acq On : 18 Aug 21 15:38
Sample : 210818A LCSD 300ug/L
Misc : IS&S 6/4/21

Vial: 3
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Oct 2 10:00 2021 Quant Results File: MGAS0803.RES

Method : M:\MAX\DATA\210803\MGAS0803.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Aug 06 19:07:21 2021
Response via : Initial Calibration



Injection Log

Directory: M:\MAX\DATA\210803\

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	2	0803M22.D	1	0.3ug/L VOC STD 8/3/21	IS&S 6/4/21	3 Aug 21 17:54
2	3	0803M23.D	1	0.5ug/L VOC STD 8/3/21	IS&S 6/4/21	3 Aug 21 18:22
3	4	0803M24.D	1	1ug/L VOC STD 8/3/21	IS&S 6/4/21	3 Aug 21 18:50
4	5	0803M25.D	1	2ug/L VOC STD 8/3/21	IS&S 6/4/21	3 Aug 21 19:18
5	6	0803M26.D	1	5ug/L VOC STD 8/3/21	IS&S 6/4/21	3 Aug 21 19:46
6	7	0803M27.D	1	10ug/L VOC STD 8/3/21	IS&S 6/4/21	3 Aug 21 20:13
7	8	0803M28.D	1	20ug/L VOC STD 8/3/21	IS&S 6/4/21	3 Aug 21 20:41
8	9	0803M29.D	1	40ug/L VOC STD 8/3/21	IS&S 6/4/21	3 Aug 21 21:09
9	10	0803M30.D	1	100ug/L VOC STD 8/3/21	IS&S 6/4/21	3 Aug 21 21:37
10	10	0806M10.D	1	20ug/L GAS STD 8/6/21	IS&S 6/4/21	6 Aug 21 14:14
11	11	0806M11.D	1	50ug/L GAS STD 8/6/21	IS&S 6/4/21	6 Aug 21 14:42
12	12	0806M12.D	1	100ug/L GAS STD 8/6/21	IS&S 6/4/21	6 Aug 21 15:10
13	13	0806M13.D	1	300ug/L GAS STD 8/6/21	IS&S 6/4/21	6 Aug 21 15:38
14	14	0806M14.D	1	600ug/L GAS STD 8/6/21	IS&S 6/4/21	6 Aug 21 16:06
15	15	0806M15.D	1	800ug/L GAS STD 8/6/21	IS&S 6/4/21	6 Aug 21 16:34
16	16	0806M16.D	1	1000ug/L GAS STD 8/6/21	IS&S 6/4/21	6 Aug 21 17:02
17	18	0806M18.D	1	(SS) 300ug/L GAS STD 8/6/21	IS&S 6/4/21	6 Aug 21 17:58
18	2	0818M05.D	1	210818A CCV/LCS 300ug/L	IS&S 6/4/21	18 Aug 21 15:10
19	3	0818M06.D	1	210818A LCSD 300ug/L	IS&S 6/4/21	18 Aug 21 15:38
20	4	0818M07.D	1	210818A BLK	IS&S 6/4/21	18 Aug 21 16:06
21	24	0818M24.D	1	BA37421W01	IS&S 6/4/21	19 Aug 21 00:01
22	25	0818M25.D	1	BA37422W01	IS&S 6/4/21	19 Aug 21 00:29
23	26	0818M26.D	1	BA37424W01	IS&S 6/4/21	19 Aug 21 00:56
24	28	0818M28.D	1	Ending CCV 300ug/L 8/18/21	IS&S 6/4/21	19 Aug 21 9:16
25	14	0819M24.D	1	210819A CCV/LCS 300ug/L	IS&S 6/4/21	19 Aug 21 20:42
26	16	0819M26.D	1	210819A BLK	IS&S 6/4/21	19 Aug 21 21:38
27	24	0819M34.D	1	BA37425W01	IS&S 6/4/21	20 Aug 21 1:21
28	25	0819M35.D	1	BA37427W01	IS&S 6/4/21	20 Aug 21 1:49
29	26	0819M36.D	1	BA37428W01	IS&S 6/4/21	20 Aug 21 2:17
30	27	0819M37.D	1	BA37430W01	IS&S 6/4/21	20 Aug 21 2:45
31	28	0819M38.D	1	BA37431W01	IS&S 6/4/21	20 Aug 21 3:13
32	38	0819M48.D	1	Ending CCV 300ug/L 8/19/21	IS&S 6/4/21	20 Aug 21 7:53