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

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

Data Validatable Report

November 15, 2021

AECOM
1001 Bishop Street, Suite 1600
Honolulu, Hawaii 96813

Attn: Alethea Ramos

Title: Report of Data: Case 97741

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:

Five water samples were received October 1, 2021. Written results for the requested analyses are being provided on this November 15, 2021.

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

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

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

Loren Portwood, Laboratory Director
APPL, Inc.

LP/lac
Enclosure
cc: File

Data Validation Package
for
60571032 CV18F0126 Red Hill Fuel Storage
APPL SDG 97741
TABLE OF CONTENTS

LABORATORY NAME: *APPL, Inc.*

CASE NARRATIVE

Case Narrative

ARF: 97741

Project: 60571032 CV18F0126 Red Hill Fuel Storage. HI

Sample Receipt Information:

Five water samples were received October 1, 2021 at 8.1°C and 0.1°C. The sample group was assigned Analytical Request Form (ARF) number 97741.

Sample Preparation and Analysis Information:

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

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

For the EPA 8270D SIM analysis, the samples were extracted according to EPA method 3520C.

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

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

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

Analytical Exceptions, Deviations and Abnormalities.

EPA 8015B: In the 211005A method blank, Oil was detected above one-half the LOQ. Corrective action: Five samples were B-flagged for Oil. The 211005A-LCS recovers Oil above the upper control limit.

EPA 8015B SGC: In the 211005A method blank, Oil was detected above one-half the LOQ. The 211005A-LCS/LCSD recovers Oil above the upper control limit. Corrective action: None. There were no Oil detections in the samples.

EPA 8270D SIM: Two samples recovered one surrogate below its lower control limit. The surrogate is not associated with the target analytes.

SDG	Received	Client ID	APPL ID	Collected DateTime	Matrix	Method	Method Description
97741	10/1/2021	ERH1753	BA42228	9/29/2021 10:15:00 AM	WATER	EPA 8260B	EPA 8260B BTEX WATER
97741	10/1/2021	ERH1753	BA42228	9/29/2021 10:15:00 AM	WATER	EPA 8015B-eHL	EPA 8015B TPH WATER L-L SGC
97741	10/1/2021	ERH1753	BA42228	9/29/2021 10:15:00 AM	WATER	EPA 8015B-eHL	EPA 8015B TPH LIQ-LIQ
97741	10/1/2021	ERH1753	BA42228	9/29/2021 10:15:00 AM	WATER	EPA 8260B	EPA 8260B GRO WATER
97741	10/1/2021	ERH1753	BA42228	9/29/2021 10:15:00 AM	WATER	8270D-SIM	EPA 8270D SIM LIQ-LIQ
97741	10/1/2021	ERH1753	BA42228	9/29/2021 10:15:00 AM	WATER	SW846 9060A	9060A TOC
97741	10/1/2021	ERH1754	BA42229	9/29/2021 11:10:00 AM	WATER	EPA 8260B	EPA 8260B BTEX WATER
97741	10/1/2021	ERH1754	BA42229	9/29/2021 11:10:00 AM	WATER	EPA 8015B-eHL	EPA 8015B TPH WATER L-L SGC
97741	10/1/2021	ERH1754	BA42229	9/29/2021 11:10:00 AM	WATER	EPA 8015B-eHL	EPA 8015B TPH LIQ-LIQ
97741	10/1/2021	ERH1754	BA42229	9/29/2021 11:10:00 AM	WATER	EPA 8260B	EPA 8260B GRO WATER
97741	10/1/2021	ERH1754	BA42229	9/29/2021 11:10:00 AM	WATER	8270D-SIM	EPA 8270D SIM LIQ-LIQ
97741	10/1/2021	ERH1754	BA42229	9/29/2021 11:10:00 AM	WATER	SW846 9060A	9060A TOC
97741	10/1/2021	ERH1755	BA42230	9/29/2021 12:55:00 PM	WATER	EPA 8260B	EPA 8260B BTEX WATER
97741	10/1/2021	ERH1755	BA42230	9/29/2021 12:55:00 PM	WATER	EPA 8015B-eHL	EPA 8015B TPH WATER L-L SGC
97741	10/1/2021	ERH1755	BA42230	9/29/2021 12:55:00 PM	WATER	EPA 8015B-eHL	EPA 8015B TPH LIQ-LIQ
97741	10/1/2021	ERH1755	BA42230	9/29/2021 12:55:00 PM	WATER	EPA 8260B	EPA 8260B GRO WATER
97741	10/1/2021	ERH1755	BA42230	9/29/2021 12:55:00 PM	WATER	8270D-SIM	EPA 8270D SIM LIQ-LIQ
97741	10/1/2021	ERH1755	BA42230	9/29/2021 12:55:00 PM	WATER	SW846 9060A	9060A TOC
97741	10/1/2021	ERH1756	BA42231	9/29/2021 9:05:00 AM	WATER	EPA 8260B	EPA 8260B BTEX WATER
97741	10/1/2021	ERH1756	BA42231	9/29/2021 9:05:00 AM	WATER	EPA 8015B-eHL	EPA 8015B TPH WATER L-L SGC
97741	10/1/2021	ERH1756	BA42231	9/29/2021 9:05:00 AM	WATER	EPA 8015B-eHL	EPA 8015B TPH LIQ-LIQ
97741	10/1/2021	ERH1756	BA42231	9/29/2021 9:05:00 AM	WATER	EPA 8260B	EPA 8260B GRO WATER
97741	10/1/2021	ERH1756	BA42231	9/29/2021 9:05:00 AM	WATER	8270D-SIM	EPA 8270D SIM LIQ-LIQ
97741	10/1/2021	ERH1756	BA42231	9/29/2021 9:05:00 AM	WATER	SW846 9060A	9060A TOC
97741	10/1/2021	ERH1760	BA42232	9/29/2021 8:55:00 AM	WATER	EPA 8260B	EPA 8260B BTEX WATER
97741	10/1/2021	ERH1760	BA42232	9/29/2021 8:55:00 AM	WATER	EPA 8260B	EPA 8260B GRO WATER
97741	10/1/2021	ERH1753 BLANK	BA42233	9/29/2021 10:15:00 AM	WATER	EPA 8015B-eHL	EPA 8015B TPH LIQ-LIQ
97741	10/1/2021	ERH1754 BLANK	BA42234	9/29/2021 11:10:00 AM	WATER	EPA 8015B-eHL	EPA 8015B TPH LIQ-LIQ
97741	10/1/2021	ERH1755 BLANK	BA42235	9/29/2021 12:55:00 PM	WATER	EPA 8015B-eHL	EPA 8015B TPH LIQ-LIQ
97741	10/1/2021	ERH1756 BLANK	BA42236	9/29/2021 9:05:00 AM	WATER	EPA 8015B-eHL	EPA 8015B TPH LIQ-LIQ

Abbreviations and Flags

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

SAMPLE RECORDS MANAGEMENT

CHAIN OF CUSTODY,

ARF, CRF, AND

CLIENT COMMUNICATION

APPL - Analysis Request Form

97741

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 # 50070
RAD Screen (Y/N): Y pH (Y/N): Y
Turn Around Type: 1 WEEK

Received by: MSA
Date Received: 10/01/21 Time: 10:00
Delivered by: FEDEX
Shuttle Custody Seals (Y/N): Y Time Zone: -10
Chest Temp(s): 8.1,0.1°C
Color: VFRG/E-Brown
Samples Chilled until Placed in Refrig/Freezer: Y
Project Manager: Libby Cheesebor
QC Report Type: DVP4DOD/EQUIS/HI
Due Date: 10/08/21

Comments:
PM: login and F1s to Margie.Pascua@aecom.com & alethea.ramos@aecom.com
AN: 7 day TAT for Form 1s; 21 day TAT for PKG STYLE 1; DOD v5.1; DOD Forms: LOD database
Report MS/MSD/DUPs when AECOM sample used
8260: BTEX & TPH-G only; 8270 SIM: 1-methylnaphthalene, 2-methylnaphthalene & naphthalene only.
TPH-D/O both with and w/o SGC, reverse surrog for SGC; DO NOT Q-DELETE.
FR: email ftp info to Margie, alethea.ramos@aecom.com, Stella, trommelfanger@lab-data.com & jcanlas@la
EDD: AECOM EQuIS EDD 2.5.3 to alethea.ramos@, Margie.Pascua@aecom.com, jecklund@lab-data.com

Sample Distribution:
GC: 4-$DOC53SGCW5LIQ, 4-$DOC53W5LIQ, 4-$SIM53LIQ51, 4-$RHBLKETBLK
Extractions: 4-_LIQ003, 8-_LIQ005, 4-_LIQ005SGC
VOA: 5-$86BTOTXDOD5W, 5-$GASBL, 5-$GRO86BW
Wetlab: 4-$TOCW53

Charges:

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

	Client ID		APPL ID	Sampled		Analyses Requested
1.	ERH1753	LCSD	BA42228W	09/29/21	10:15	$86BTOTXDOD5W, $DOC53SGCW5LIQ, $DOC53W5LIQ, $GASBL, $GRO86BW, $SIM53LIQ51, $TOCW53 -- See Comments
2.	ERH1754	LCSD	BA42229W	09/29/21	11:10	$86BTOTXDOD5W, $DOC53SGCW5LIQ, $DOC53W5LIQ, $GASBL, $GRO86BW, $SIM53LIQ51, $TOCW53 -- See Comments
3.	ERH1755	LCSD	BA42230W	09/29/21	12:55	$86BTOTXDOD5W, $DOC53SGCW5LIQ, $DOC53W5LIQ, $GASBL, $GRO86BW, $SIM53LIQ51, $TOCW53 -- See Comments

4.	ERH1756	LCSD	BA42231W	09/29/21 09:05	$86BTOTXDOD5W, $DOC53SGCW5LIQ, $DOC53W5LIQ, $GASBL, $GRO86BW, $SIM53LIQ51, $TOCW53 -- See Comments
5.	ERH1760	LCSD	BA42232W	09/29/21 08:55	$86BTOTXDOD5W, $GASBL, $GRO86BW -- See Comments
6.	ERH1753 BLANK	LCSD	BA42233W	09/29/21 10:15	$RHBLKETBLK -- See Comments
7.	ERH1754 BLANK	LCSD	BA42234W	09/29/21 11:10	$RHBLKETBLK -- See Comments
8.	ERH1755 BLANK	LCSD	BA42235W	09/29/21 12:55	$RHBLKETBLK -- See Comments
9.	ERH1756 BLANK	LCSD	BA42236W	09/29/21 09:05	$RHBLKETBLK -- See Comments

APPL Sample Receipt Form

ARF# **97741**

Sample	Container Type	Count	p
BA42228	[13] VOAs - HCL	4	NA
	[17] Amber Liter	2	NA
	[32] Clear VOA - H2SO4	2	NA
	[39] Amber Liter, HCL prsvd	2	1.6
BA42229	[13] VOAs - HCL	4	NA
	[17] Amber Liter	2	NA
	[32] Clear VOA - H2SO4	2	NA
	[39] Amber Liter, HCL prsvd	2	1.6
BA42230	[13] VOAs - HCL	4	NA
	[17] Amber Liter	2	NA
	[32] Clear VOA - H2SO4	2	NA
	[39] Amber Liter, HCL prsvd	2	1.6
BA42231	[13] VOAs - HCL	4	NA
	[17] Amber Liter	2	NA
	[32] Clear VOA - H2SO4	2	NA
	[39] Amber Liter, HCL prsvd	2	1.6
BA42232	[13] VOAs - HCL	4	NA
BA42233	[39] Amber Liter, HCL prsvd	1	NA
BA42234	[39] Amber Liter, HCL prsvd	1	NA
BA42235	[39] Amber Liter, HCL prsvd	1	NA
BA42236	[39] Amber Liter, HCL prsvd	1	NA

Sample	Container Type	Count	p

97741 TTS 9/30/21

CHAIN OF CUSTODY RECORD

TTS (Summary)

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

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

C.O.C. 50070 NOI

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

Project Name/Number	Sampler (Print)
60571032.02.2001	TV, AM, NL
Purchase Order Number	**Sampler (Signature)**
102604	Matthew Yim for TV, AM, NL

Date Shipped: 9/30/21
Carrier: FedEx
Waybill No.:
Comments:

Sample Identification	Location	Date Collected	Time Collected	Time Zone	No. of Containers	Matrix: Aq	Sed.	Soil	Analysis Requested/Method Number: BTEX 8260	TPH-G 8260	TPH-D/O 8015	TPH-D/O SGC 8015	PAH Short List + Naphthalene 8270D SIM
ERH1753	RHMW01R	9/29/21	1015	HST	10	X			X	X	X	X	X*
ERH1754	RHMW02	↓	1110	↓	10	X			X	X	X	X	X*
ERH1755	RHMW03		1255		10	X			X	X	X	X	X*
ERH1756	RHMW05		0905		10	X			X	X	X	X	X*
ERH1760	Trip Blank	↓	0855	↓	4	X			X	X			

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

MY 9/30/21

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Shuttle Temperature:	Turnaround Requested: Check one	Sample Disposal:
R3e 10.0/8.1, 2.0/0.1°C	☐ Standard 2-3 wk ☑ One week ☐ 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: Matthew Yim	9/30/21	1200		Relinquished by:	10-1-21	1000	Received at lab by:

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

See reverse side for Container Preservative and Sampling Information

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

CHAIN OF CUSTODY RECORD

C.O.C. 50071 NQI

2/3 (1/2)

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

Project Name/Number	Sampler (Print)	Purchase Order Number	Sampler (Signature)
60571032.02.20.01	TV, AM, NL	102604	Matthew Yim for TV, AM, NL

Sample Identification	Location	Date Collected	Time Collected	Time Zone	No. of Containers	Matrix: Aq	Sed.	Soil		Analysis Requested/Method Number: BTEX 8260	TPH-G 8260	TPH-D/O 8015	TPH-D/O SGC 8015	PAH SIM 8270D SGC								Date Shipped: 9/30/21
ERH1753	RHMW01R	9/29/21	1015	HST	10	X				X	X	X	X	X*								Carrier: FedEx
ERH1754	RHMW02	"	1110	"	10	X				X	X	X	X	X*								Waybill No.:
ERH1755	RHMW03	"	1255	"	0	X				X	X	X	X	X*								Comments:
ERH1756	RHMW05	"	0905	"	0	X				X	X	X	X	X*								
ERH1760	Trip Blank	"	0855	"	4	X				X	X											
																						TPH-D/O and PAHs need liquid-liquid extraction; *Naphthalene 1-methylnaphthalene 2-methylnaphthalene
		MY 9/30/21																				

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

Relinquished by sampler:	Date	Time	Received by:	Relinquished by:	Date	Time	Received by:
Relinquished by: Matthew Yim	Date 9/30/21	Time 1200	Received by:	Relinquished by:	Date 10-4-21	Time 1025	Received at lab by:

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

See reverse side for Container Preservative and Sampling Information

47744 373

CHAIN OF CUSTODY RECORD

2/2

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

C.O.C. 50072 NOI

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

Project Name/Number	Sampler (Print)
60571032.02.2001	TV, AM, NL
Purchase Order Number	**Sampler (Signature)**
102604	Matthew Yim for TV, AM, NL

Date Shipped: 9/30/21
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 8015	PAH Short list 8270 SIM	Comments
ERH1753	RHMW01R	9/29/21	1015	HST	0	X			X	X	X	X	X*	
ERH1754	RAMW02	↓	1110	↓	0	X			X	X	X	X	X*	
ERH1755	RHMW03		1255		10	X			X	X	X	X	X*	
ERH1756	RHMW05		0905		10	X			X	X	X	X	X*	
ERH1760	Trip Blank	↓	0855	↓	0	X			X	X				

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

MY 9/30/21

Shuttle Temperature:	Turnaround Requested: Check one	Sample Disposal:
R3C 2.0/0.1°C	☐ Standard 2-3 wk ☑ One week ☐ 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: Matthew Yim	9/30/21	1200		Relinquished by:	10-1-21	1000	Received at lab by:

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

See reverse side for Container Preservative and Sampling Information

Revised AR
10/04/21

97741

MY 9/30/21

CHAIN OF CUSTODY RECORD

Summary

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

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

C.O.C. 50070 NOI

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

Project Name/Number	Sampler (Print)
60571032.02.2001	TV, AM, NL
Purchase Order Number	**Sampler (Signature)**
102604	Matthew Yim for TV, AM, NL

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	PAH short list* 8270 SIM	TOC 9060A
ERH1753	RHMW01R	9/29/21	1015	HST	10	X			X	X	X	X	X*	X
ERH1754	RHMW02	↓	1110	↓	10	X			X	X	X	X	X*	X
ERH1755	RHMW03	↓	1255	↓	10	X			X	X	X	X	X*	X
ERH1756	RHMW05	↓	0905	↓	10	X			X	X	X	X	X*	X
ERH1760	Trip Blank	↓	0855	↓	4	X			X	X				

Date Shipped: 9/30/21
Carrier: FedEx
Waybill No.:
Comments:

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

MY 9/30/21

Shuttle Temperature:	Turnaround Requested: Check one	Sample Disposal:
R3e 10.9/8.1, 2.0/0.1°C	☐ Standard 2-3 wk ☑ One week ☐ 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: Matthew Yim	9/30/21	1200		Relinquished by:	10-1-21	1000	Received at lab by:

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

See reverse side for Container Preservative and Sampling Information

Revised AR
10/04/21

MY 9/30/21
2+3
1/2

CHAIN OF CUSTODY RECORD

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

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

C.O.C. 50071 NaI

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

Project Name/Number	Sampler (Print)
60571032.02.2010	TV, AM, NL
Purchase Order Number	**Sampler (Signature)**
102604	Matthew Yim for TV, AM, NL

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 8270D SIM	TOC 9060A
ERH1753	RHMW01R	9/29/21	1015	HST	10	X			X	X	X	X	X*	X
ERH1754	RHMW02	"	1110	"	10	X			X	X	X	X	X*	X
ERH1755	RHMW03	"	1255	"	0	X			X	X	X	X	X*	X
ERH1756	RHMW05	"	0905	"	0	X			X	X	X	X	X*	X
ERH1760	Trip Blank	↓	0855	↓	4	X			X	X				

Date Shipped: 9/30/21
Carrier: FedEx
Waybill No.:
Comments:

TPH-DRO and PAHs need liquid-liquid extraction;
*Naphthalene
1-methylnaphthalene
2-methylnaphthalene

MY 9/30/21

15 of 522

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

Relinquished by sampler:	Date	Time	Received by:	Relinquished by:	Date	Time	Received by:
Relinquished by: Matthew Yim	9/30/21	1200	Received by:	Relinquished by:	10-4-21	1025	Received at lab by:

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

See reverse side for Container Preservative and Sampling Information

Revised AR
10/04/21

~~47711~~ 373 MY 9/30/21

2/2

CHAIN OF CUSTODY RECORD

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

C.O.C. 50072 NOI

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

Project Name/Number	Sampler (Print)
60571032.02.2901	TV, AM, NL
Purchase Order Number	**Sampler (Signature)**
102604	Matthew Yim for TV, AM, NL

Sample Identification	Location	Date Collected	Time Collected	Time Zone	No. of Containers	Matrix: Aq	Matrix: Sed.	Matrix: Soil	BTEX 8260	TPH-G 8260	TPH-D/O 8015	TPH-D/O SGC 8015	PAH Short List 8270D SIM	TOC 9060A	Comments
ERH1753	RHMW01R	9/29/21	1015	HST	0	X			X	X	X	X	X*	X	
ERH1754	RHMW02	"	1110	"	0	X			X	X	X	X	X*	X	
ERH1755	RHMW03	"	1255	"	10	X			X	X	X	X	X*	X	
ERH1756	RHMW05	"	0905	"	10	X			X	X	X	X	X*	X	
ERH1760	Trip Blank	↓	0855	↓	0	X			X	X					

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

MY 9/30/21

Date Shipped: 9/30/21
Carrier: FedEx
Waybill No.:

Shuttle Temperature:	Turnaround Requested: Check one	Sample Disposal:
R3@20/0.1°C	☐ Standard 2-3 wk ☑ One week ☐ 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: Matthew Yim	9/30/21	1200	Received by:	Relinquished by:	10-1-21	1000	Received at lab by:

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

See reverse side for Container Preservative and Sampling Information

COOLER RECEIPT FORM **ARF: 97741**

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

2) Coolers: Number of Coolers: 1

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

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

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

6) YES Were cooler temperatures acceptable?

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

8) Cooler temp(s): In °C. Thermometer Temp / Corrected Temp
1: 10.0/8.1 2: 2.0/0.1 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) No Were bubbles present in volatile samples?
If yes, the following were received with air bubbles:
Larger than a pea: ____
Smaller than a pea: ____

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:
2nd cooler received out of temp at 8.1°C on 10/4/2021.

CUSTODY SEAL 1/2
APPL, Inc. (559) 275-2175
Initials MY Date 9/30/21

Personnel receiving samples: MS Second reviewer: MS
Personnel labeling samples: DR
Project manager notified: MS Date/Time of notification 10/1/2021
Name of client notified: ____ Date/Time of notification ____

SAMPLE RESULTS

EPA 8015B TPH WATER L-L SGC

AECOM
1001 Bishop Street, Suite 1600
Honolulu, HI 96813

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 97741

Sample ID: ERH1753

APPL ID: BA42228

Sample Collection Date: 09/29/21

QCG: #DOC53-211005A1-269049

Method	Analyte	Result	LOQ	LOD	DL	Units	Extraction Date	Analysis Date
EPA 8015B-e	DIESEL (C10-C24)	300.0 U	320	300.0	150.0	ug/L	10/05/21	10/08/21
EPA 8015B-e	OIL (C24-C40)	300.0 U	320	300.0	150.0	ug/L	10/05/21	10/08/21
EPA 8015B-e	SURROGATE: (R) DECANOIC ACID (S)	0.0	0-1			%	10/05/21	10/08/21
EPA 8015B-e	SURROGATE: OCTACOSANE (S)	90.7	60-142			%	10/05/21	10/08/21
EPA 8015B-e	SURROGATE: ORTHO-TERPHENYL (S)	77.1	56-125			%	10/05/21	10/08/21

Quant Method:	DEC0911.M
Run #:	1007063
Instrument:	Apollo
Sequence:	211007
Dilution Factor:	1
Initials:	KAB

Printed: 11/2/2021 9:39:25 AM

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

EPA 8015B TPH LIQ-LIQ

AECOM
1001 Bishop Street, Suite 1600
Honolulu, HI 96813

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 97741

Sample ID: ERH1753

APPL ID: BA42228

Sample Collection Date: 09/29/21

QCG: #DOC53-211005A-268756

Method	Analyte	Result	LOQ	LOD	DL	Units	Extraction Date	Analysis Date
EPA 8015B-e	DIESEL (C10-C24)	400	320	300.0	150.0	ug/L	10/05/21	10/08/21
EPA 8015B-e	OIL (C24-C40)	230 B J	320	300.0	150.0	ug/L	10/05/21	10/08/21
EPA 8015B-e	SURROGATE: OCTACOSANE (S)	96.2	60-142			%	10/05/21	10/08/21
EPA 8015B-e	SURROGATE: ORTHO-TERPHENYL (S)	79.6	56-125			%	10/05/21	10/08/21

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

Quant Method:	DOC0830.M
Run #:	1007030
Instrument:	Apollo
Sequence:	211007
Dilution Factor:	1
Initials:	KAB

Printed: 11/2/2021 9:39:25 AM
APPL-F1-SC-NoMC-REG MDLs-DOD

EPA 8015B TPH WATER L-L SGC

AECOM
1001 Bishop Street, Suite 1600
Honolulu, HI 96813

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 97741

Sample ID: ERH1754

APPL ID: BA42229

Sample Collection Date: 09/29/21

QCG: #DOC53-211005A1-269049

Method	Analyte	Result	LOQ	LOD	DL	Units	Extraction Date	Analysis Date
EPA 8015B-e	DIESEL (C10-C24)	300.0 U	320	300.0	150.0	ug/L	10/05/21	10/08/21
EPA 8015B-e	OIL (C24-C40)	300.0 U	320	300.0	150.0	ug/L	10/05/21	10/08/21
EPA 8015B-e	SURROGATE: (R) DECANOIC ACID (S)	0.0	0-1			%	10/05/21	10/08/21
EPA 8015B-e	SURROGATE: OCTACOSANE (S)	98.4	60-142			%	10/05/21	10/08/21
EPA 8015B-e	SURROGATE: ORTHO-TERPHENYL (S)	81.0	56-125			%	10/05/21	10/08/21

Quant Method:	DEC0911.M
Run #:	1007064
Instrument:	Apollo
Sequence:	211007
Dilution Factor:	1
Initials:	KAB

Printed: 11/2/2021 9:39:25 AM

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

EPA 8015B TPH LIQ-LIQ

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Honolulu, HI 96813

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 97741

Sample ID: ERH1754

APPL ID: BA42229

Sample Collection Date: 09/29/21

QCG: #DOC53-211005A-268756

Method	Analyte	Result	LOQ	LOD	DL	Units	Extraction Date	Analysis Date
EPA 8015B-e	DIESEL (C10-C24)	2600	320	300.0	150.0	ug/L	10/05/21	10/08/21
EPA 8015B-e	OIL (C24-C40)	390 B	320	300.0	150.0	ug/L	10/05/21	10/08/21
EPA 8015B-e	SURROGATE: OCTACOSANE (S)	100.0	60-142			%	10/05/21	10/08/21
EPA 8015B-e	SURROGATE: ORTHO-TERPHENYL (S)	86.7	56-125			%	10/05/21	10/08/21

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

Quant Method:	DOC0830.M
Run #:	1007031
Instrument:	Apollo
Sequence:	211007
Dilution Factor:	1
Initials:	KAB

Printed: 11/2/2021 9:39:25 AM

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

EPA 8015B TPH WATER L-L SGC

AECOM
1001 Bishop Street, Suite 1600
Honolulu, HI 96813

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 97741

Sample ID: ERH1755

APPL ID: BA42230

Sample Collection Date: 09/29/21

QCG: #DOC53-211005A1-269049

Method	Analyte	Result	LOQ	LOD	DL	Units	Extraction Date	Analysis Date
EPA 8015B-e	DIESEL (C10-C24)	300.0 U	320	300.0	150.0	ug/L	10/05/21	10/08/21
EPA 8015B-e	OIL (C24-C40)	300.0 U	320	300.0	150.0	ug/L	10/05/21	10/08/21
EPA 8015B-e	SURROGATE: (R) DECANOIC ACID (S)	0.0	0-1			%	10/05/21	10/08/21
EPA 8015B-e	SURROGATE: OCTACOSANE (S)	92.9	60-142			%	10/05/21	10/08/21
EPA 8015B-e	SURROGATE: ORTHO-TERPHENYL (S)	72.2	56-125			%	10/05/21	10/08/21

Quant Method:	DEC0911.M
Run #:	1007065
Instrument:	Apollo
Sequence:	211007
Dilution Factor:	1
Initials:	KAB

Printed: 11/2/2021 9:39:25 AM

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

EPA 8015B TPH LIQ-LIQ

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APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 97741

Sample ID: ERH1755

APPL ID: BA42230

Sample Collection Date: 09/29/21

QCG: #DOC53-211005A-268756

Method	Analyte	Result	LOQ	LOD	DL	Units	Extraction Date	Analysis Date
EPA 8015B-e	DIESEL (C10-C24)	350	320	300.0	150.0	ug/L	10/05/21	10/08/21
EPA 8015B-e	OIL (C24-C40)	570 B	320	300.0	150.0	ug/L	10/05/21	10/08/21
EPA 8015B-e	SURROGATE: OCTACOSANE (S)	99.5	60-142			%	10/05/21	10/08/21
EPA 8015B-e	SURROGATE: ORTHO-TERPHENYL (S)	76.8	56-125			%	10/05/21	10/08/21

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

Quant Method:	DOC0830.M
Run #:	1007032
Instrument:	Apollo
Sequence:	211007
Dilution Factor:	1
Initials:	KAB

Printed: 11/2/2021 9:39:25 AM

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: 97741

Sample ID: ERH1756

APPL ID: BA42231

Sample Collection Date: 09/29/21

QCG: #DOC53-211005A1-269049

Method	Analyte	Result	LOQ	LOD	DL	Units	Extraction Date	Analysis Date
EPA 8015B-e	DIESEL (C10-C24)	300.0 U	320	300.0	150.0	ug/L	10/05/21	10/09/21
EPA 8015B-e	OIL (C24-C40)	300.0 U	320	300.0	150.0	ug/L	10/05/21	10/09/21
EPA 8015B-e	SURROGATE: (R) DECANOIC ACID (S)	0.0	0-1			%	10/05/21	10/09/21
EPA 8015B-e	SURROGATE: OCTACOSANE (S)	85.4	60-142			%	10/05/21	10/09/21
EPA 8015B-e	SURROGATE: ORTHO-TERPHENYL (S)	72.3	56-125			%	10/05/21	10/09/21

Quant Method:	DEC0911.M
Run #:	1007066
Instrument:	Apollo
Sequence:	211007
Dilution Factor:	1
Initials:	KAB

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

EPA 8015B TPH LIQ-LIQ

AECOM
1001 Bishop Street, Suite 1600
Honolulu, HI 96813

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 97741

Sample ID: ERH1756

APPL ID: BA42231

Sample Collection Date: 09/29/21

QCG: #DOC53-211005A-268756

Method	Analyte	Result	LOQ	LOD	DL	Units	Extraction Date	Analysis Date
EPA 8015B-e	DIESEL (C10-C24)	300.0 U	320	300.0	150.0	ug/L	10/05/21	10/08/21
EPA 8015B-e	OIL (C24-C40)	490 B	320	300.0	150.0	ug/L	10/05/21	10/08/21
EPA 8015B-e	SURROGATE: OCTACOSANE (S)	87.6	60-142			%	10/05/21	10/08/21
EPA 8015B-e	SURROGATE: ORTHO-TERPHENYL (S)	72.9	56-125			%	10/05/21	10/08/21

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

Quant Method:	DOC0830.M
Run #:	1007033
Instrument:	Apollo
Sequence:	211007
Dilution Factor:	1
Initials:	KAB

Printed: 11/2/2021 9:39:25 AM

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

EPA 8015B TPH LIQ-LIQ

AECOM
1001 Bishop Street, Suite 1600
Honolulu, HI 96813

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 97741

Sample ID: ERH1753 BLANK

APPL ID: BA42233

Sample Collection Date: 09/29/21

QCG: #RHBLK-211004A-269050

Method	Analyte	Result	LOQ	LOD	DL	Units	Extraction Date	Analysis Date
EPA 8015B-e	DIESEL (C10-C24)	300.0 U	320	300.0	150.0	ug/L	10/04/21	10/11/21
EPA 8015B-e	OIL (C24-C40)	300.0 U	320	300.0	150.0	ug/L	10/04/21	10/11/21
EPA 8015B-e	SURROGATE: OCTACOSANE (S)	93.4	60-142			%	10/04/21	10/11/21
EPA 8015B-e	SURROGATE: ORTHO-TERPHENYL (S)	79.6	56-125			%	10/04/21	10/11/21

Quant Method:	DOC0830.M
Run #:	1007186
Instrument:	Apollo
Sequence:	211007
Dilution Factor:	1
Initials:	KAB

Printed: 11/2/2021 9:39:25 AM

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

EPA 8015B TPH LIQ-LIQ

AECOM
1001 Bishop Street, Suite 1600
Honolulu, HI 96813

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 97741

Sample ID: ERH1754 BLANK

APPL ID: BA42234

Sample Collection Date: 09/29/21

QCG: #RHBLK-211004A-269050

Method	Analyte	Result	LOQ	LOD	DL	Units	Extraction Date	Analysis Date
EPA 8015B-e	DIESEL (C10-C24)	300.0 U	320	300.0	150.0	ug/L	10/04/21	10/11/21
EPA 8015B-e	OIL (C24-C40)	150 J	320	300.0	150.0	ug/L	10/04/21	10/11/21
EPA 8015B-e	SURROGATE: OCTACOSANE (S)	90.0	60-142			%	10/04/21	10/11/21
EPA 8015B-e	SURROGATE: ORTHO-TERPHENYL (S)	77.4	56-125			%	10/04/21	10/11/21

J = Estimated value.

Quant Method:	DOC0830.M
Run #:	1007187
Instrument:	Apollo
Sequence:	211007
Dilution Factor:	1
Initials:	KAB

Printed: 11/2/2021 9:39:25 AM

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

EPA 8015B TPH LIQ-LIQ

AECOM
1001 Bishop Street, Suite 1600
Honolulu, HI 96813

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 97741

Sample ID: ERH1755 BLANK

APPL ID: BA42235

Sample Collection Date: 09/29/21

QCG: #RHBLK-211004A-269050

Method	Analyte	Result	LOQ	LOD	DL	Units	Extraction Date	Analysis Date
EPA 8015B-e	DIESEL (C10-C24)	300.0 U	320	300.0	150.0	ug/L	10/04/21	10/11/21
EPA 8015B-e	OIL (C24-C40)	150 J	320	300.0	150.0	ug/L	10/04/21	10/11/21
EPA 8015B-e	SURROGATE: OCTACOSANE (S)	93.3	60-142			%	10/04/21	10/11/21
EPA 8015B-e	SURROGATE: ORTHO-TERPHENYL (S)	80.3	56-125			%	10/04/21	10/11/21

J = Estimated value.

Quant Method:	DOC0830.M
Run #:	1007189
Instrument:	Apollo
Sequence:	211007
Dilution Factor:	1
Initials:	KAB

Printed: 11/2/2021 9:39:25 AM

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

EPA 8015B TPH LIQ-LIQ

AECOM
1001 Bishop Street, Suite 1600
Honolulu, HI 96813

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 97741

Sample ID: ERH1756 BLANK

APPL ID: BA42236

Sample Collection Date: 09/29/21

QCG: #RHBLK-211004A-269050

Method	Analyte	Result	LOQ	LOD	DL	Units	Extraction Date	Analysis Date
EPA 8015B-e	DIESEL (C10-C24)	300.0 U	320	300.0	150.0	ug/L	10/04/21	10/11/21
EPA 8015B-e	OIL (C24-C40)	150 J	320	300.0	150.0	ug/L	10/04/21	10/11/21
EPA 8015B-e	SURROGATE: OCTACOSANE (S)	83.7	60-142			%	10/04/21	10/11/21
EPA 8015B-e	SURROGATE: ORTHO-TERPHENYL (S)	72.0	56-125			%	10/04/21	10/11/21

J = Estimated value.

Quant Method:	DOC0830.M
Run #:	1007190
Instrument:	Apollo
Sequence:	211007
Dilution Factor:	1
Initials:	KAB

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

EPA 8270D SIM LIQ-LIQ

AECOM
1001 Bishop Street, Suite 1600
Honolulu, HI 96813

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 97741

Sample ID: ERH1753

APPL ID: BA42228

Sample Collection Date: 09/29/21

QCG: #SIM53-211006AK-269511

Method	Analyte	Result	LOQ	LOD	DL	Units	Extraction Date	Analysis Date
8270D-SIM	1-METHYLNAPHTHALENE	0.085 J	0.2	0.10	0.04	ug/L	10/06/21	10/19/21
8270D-SIM	2-METHYLNAPHTHALENE	0.10 U	0.2	0.10	0.04	ug/L	10/06/21	10/19/21
8270D-SIM	NAPHTHALENE	0.10 U	0.2	0.10	0.04	ug/L	10/06/21	10/19/21
8270D-SIM	SURROGATE: 2-METHYLNAPHTHALEN	86.7	39-114			%	10/06/21	10/19/21
8270D-SIM	SURROGATE: FLUORANTHENE-D10 (S	78.2	58-120			%	10/06/21	10/19/21

J = Estimated value.

Quant Method: K1019.M
Run #: 1019K029
Instrument: KYLO
Sequence: 211019
Dilution Factor: 1
Initials: LSI

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

EPA 8270D SIM LIQ-LIQ

AECOM
1001 Bishop Street, Suite 1600
Honolulu, HI 96813

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 97741

Sample ID: ERH1754

APPL ID: BA42229

Sample Collection Date: 09/29/21

QCG: #SIM53-211006AK-269511

Method	Analyte	Result	LOQ	LOD	DL	Units	Extraction Date	Analysis Date
8270D-SIM	1-METHYLNAPHTHALENE	28	0.2	0.10	0.04	ug/L	10/06/21	10/19/21
8270D-SIM	2-METHYLNAPHTHALENE	31	0.2	0.10	0.04	ug/L	10/06/21	10/19/21
8270D-SIM	NAPHTHALENE	56	0.2	0.10	0.04	ug/L	10/06/21	10/19/21
8270D-SIM	SURROGATE: 2-METHYLNAPHTHALEN	90.1	39-114			%	10/06/21	10/19/21
8270D-SIM	SURROGATE: FLUORANTHENE-D10 (S	51.6 #	58-120			%	10/06/21	10/19/21

= Recovery (or RPD) is outside QC limits.

Quant Method:	K1019.M
Run #:	1019K030
Instrument:	KYLO
Sequence:	211019
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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908 North Temperance Avenue
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Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 97741

Sample ID: ERH1755

APPL ID: BA42230

Sample Collection Date: 09/29/21

QCG: #SIM53-211006AK-269511

Method	Analyte	Result	LOQ	LOD	DL	Units	Extraction Date	Analysis Date
8270D-SIM	1-METHYLNAPHTHALENE	0.10 U	0.2	0.10	0.04	ug/L	10/06/21	10/19/21
8270D-SIM	2-METHYLNAPHTHALENE	0.10 U	0.2	0.10	0.04	ug/L	10/06/21	10/19/21
8270D-SIM	NAPHTHALENE	0.10 U	0.2	0.10	0.04	ug/L	10/06/21	10/19/21
8270D-SIM	SURROGATE: 2-METHYLNAPHTHALEN	86.8	39-114			%	10/06/21	10/19/21
8270D-SIM	SURROGATE: FLUORANTHENE-D10 (S	52.4 #	58-120			%	10/06/21	10/19/21

= Recovery (or RPD) is outside QC limits.

Quant Method:	K1019.M
Run #:	1019K031
Instrument:	KYLO
Sequence:	211019
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: 97741

Sample ID: ERH1756

APPL ID: BA42231

Sample Collection Date: 09/29/21

QCG: #SIM53-211006AK-269511

Method	Analyte	Result	LOQ	LOD	DL	Units	Extraction Date	Analysis Date
8270D-SIM	1-METHYLNAPHTHALENE	0.10 U	0.2	0.10	0.04	ug/L	10/06/21	10/20/21
8270D-SIM	2-METHYLNAPHTHALENE	0.10 U	0.2	0.10	0.04	ug/L	10/06/21	10/20/21
8270D-SIM	NAPHTHALENE	0.10 U	0.2	0.10	0.04	ug/L	10/06/21	10/20/21
8270D-SIM	SURROGATE: 2-METHYLNAPHTHALEN	84.2	39-114			%	10/06/21	10/20/21
8270D-SIM	SURROGATE: FLUORANTHENE-D10 (S	70.4	58-120			%	10/06/21	10/20/21

Quant Method:	K1019.M
Run #:	1019K032
Instrument:	KYLO
Sequence:	211019
Dilution Factor:	1
Initials:	LSI

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

EPA 8260B BTEX WATER

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

Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 97741

Sample ID: ERH1753

APPL ID: BA42228

Sample Collection Date: 09/29/21

QCG: #86BTO-211014AM1-27031

Method	Analyte	Result	LOQ	LOD	DL	Units	Extraction Date	Analysis Date
EPA 8260B	BENZENE	0.30 U	1.0	0.30	0.15	ug/L	10/14/21	10/14/21
EPA 8260B	ETHYLBENZENE	0.50 U	1.0	0.50	0.23	ug/L	10/14/21	10/14/21
EPA 8260B	TOLUENE	0.30 U	1.0	0.30	0.15	ug/L	10/14/21	10/14/21
EPA 8260B	XYLENES (TOTAL)	0.30 U	2.0	0.30	0.15	ug/L	10/14/21	10/14/21
EPA 8260B	SURROGATE: 1,2-DICHLOROETHANE-	105	81-118			%	10/14/21	10/14/21
EPA 8260B	SURROGATE: 4-BROMOFLUOROBENZ	93.1	85-114			%	10/14/21	10/14/21
EPA 8260B	SURROGATE: DIBROMOFLUOROMETH	106	80-119			%	10/14/21	10/14/21
EPA 8260B	SURROGATE: TOLUENE-D8 (S)	101	89-112			%	10/14/21	10/14/21

Quant Method:	M1008W.M
Run #:	1014M13
Instrument:	Max
Sequence:	211008
Dilution Factor:	1
Initials:	MHO

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

EPA 8260B BTEX WATER

AECOM
1001 Bishop Street, Suite 1600
Honolulu, HI 96813

APPL Inc.
908 North Temperance Avenue
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Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 97741

Sample ID: ERH1754

APPL ID: BA42229

Sample Collection Date: 09/29/21

QCG: #86BTO-211014AM1-27031

Method	Analyte	Result	LOQ	LOD	DL	Units	Extraction Date	Analysis Date
EPA 8260B	BENZENE	0.30 U	1.0	0.30	0.15	ug/L	10/14/21	10/14/21
EPA 8260B	ETHYLBENZENE	0.50 U	1.0	0.50	0.23	ug/L	10/14/21	10/14/21
EPA 8260B	TOLUENE	0.30 U	1.0	0.30	0.15	ug/L	10/14/21	10/14/21
EPA 8260B	XYLENES (TOTAL)	0.30 U	2.0	0.30	0.15	ug/L	10/14/21	10/14/21
EPA 8260B	SURROGATE: 1,2-DICHLOROETHANE-	108	81-118			%	10/14/21	10/14/21
EPA 8260B	SURROGATE: 4-BROMOFLUOROBENZ	98.1	85-114			%	10/14/21	10/14/21
EPA 8260B	SURROGATE: DIBROMOFLUOROMETH	108	80-119			%	10/14/21	10/14/21
EPA 8260B	SURROGATE: TOLUENE-D8 (S)	104	89-112			%	10/14/21	10/14/21

Quant Method: M1008W.M
Run #: 1014M14
Instrument: Max
Sequence: 211008
Dilution Factor: 1
Initials: MHO

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

EPA 8260B BTEX WATER

AECOM
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Honolulu, HI 96813

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 97741

Sample ID: ERH1755

APPL ID: BA42230

Sample Collection Date: 09/29/21

QCG: #86BTO-211014AM1-27031

Method	Analyte	Result	LOQ	LOD	DL	Units	Extraction Date	Analysis Date
EPA 8260B	BENZENE	0.30 U	1.0	0.30	0.15	ug/L	10/14/21	10/14/21
EPA 8260B	ETHYLBENZENE	0.50 U	1.0	0.50	0.23	ug/L	10/14/21	10/14/21
EPA 8260B	TOLUENE	0.30 U	1.0	0.30	0.15	ug/L	10/14/21	10/14/21
EPA 8260B	XYLENES (TOTAL)	0.30 U	2.0	0.30	0.15	ug/L	10/14/21	10/14/21
EPA 8260B	SURROGATE: 1,2-DICHLOROETHANE-	107	81-118			%	10/14/21	10/14/21
EPA 8260B	SURROGATE: 4-BROMOFLUOROBENZ	92.5	85-114			%	10/14/21	10/14/21
EPA 8260B	SURROGATE: DIBROMOFLUOROMETH	106	80-119			%	10/14/21	10/14/21
EPA 8260B	SURROGATE: TOLUENE-D8 (S)	102	89-112			%	10/14/21	10/14/21

Quant Method:	M1008W.M
Run #:	1014M15
Instrument:	Max
Sequence:	211008
Dilution Factor:	1
Initials:	MHO

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

EPA 8260B BTEX WATER

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

Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 97741

Sample ID: ERH1756

APPL ID: BA42231

Sample Collection Date: 09/29/21

QCG: #86BTO-211014AM1-27031

Method	Analyte	Result	LOQ	LOD	DL	Units	Extraction Date	Analysis Date
EPA 8260B	BENZENE	0.30 U	1.0	0.30	0.15	ug/L	10/14/21	10/14/21
EPA 8260B	ETHYLBENZENE	0.50 U	1.0	0.50	0.23	ug/L	10/14/21	10/14/21
EPA 8260B	TOLUENE	0.30 U	1.0	0.30	0.15	ug/L	10/14/21	10/14/21
EPA 8260B	XYLENES (TOTAL)	0.30 U	2.0	0.30	0.15	ug/L	10/14/21	10/14/21
EPA 8260B	SURROGATE: 1,2-DICHLOROETHANE-	109	81-118			%	10/14/21	10/14/21
EPA 8260B	SURROGATE: 4-BROMOFLUOROBENZ	95.7	85-114			%	10/14/21	10/14/21
EPA 8260B	SURROGATE: DIBROMOFLUOROMETH	103	80-119			%	10/14/21	10/14/21
EPA 8260B	SURROGATE: TOLUENE-D8 (S)	100.0	89-112			%	10/14/21	10/14/21

Quant Method: M1008W.M
Run #: 1014M16
Instrument: Max
Sequence: 211008
Dilution Factor: 1
Initials: MHO

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

EPA 8260B BTEX WATER

AECOM
1001 Bishop Street, Suite 1600
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APPL Inc.
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Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 97741

Sample ID: ERH1760

APPL ID: BA42232

Sample Collection Date: 09/29/21

QCG: #86BTO-211014AM1-27031

Method	Analyte	Result	LOQ	LOD	DL	Units	Extraction Date	Analysis Date
EPA 8260B	BENZENE	0.30 U	1.0	0.30	0.15	ug/L	10/14/21	10/14/21
EPA 8260B	ETHYLBENZENE	0.50 U	1.0	0.50	0.23	ug/L	10/14/21	10/14/21
EPA 8260B	TOLUENE	0.30 U	1.0	0.30	0.15	ug/L	10/14/21	10/14/21
EPA 8260B	XYLENES (TOTAL)	0.30 U	2.0	0.30	0.15	ug/L	10/14/21	10/14/21
EPA 8260B	SURROGATE: 1,2-DICHLOROETHANE-	103	81-118			%	10/14/21	10/14/21
EPA 8260B	SURROGATE: 4-BROMOFLUOROBENZ	91.0	85-114			%	10/14/21	10/14/21
EPA 8260B	SURROGATE: DIBROMOFLUOROMETH	105	80-119			%	10/14/21	10/14/21
EPA 8260B	SURROGATE: TOLUENE-D8 (S)	100	89-112			%	10/14/21	10/14/21

Quant Method: M1008W.M
Run #: 1014M17
Instrument: Max
Sequence: 211008
Dilution Factor: 1
Initials: MHO

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

EPA 8260B GRO WATER

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

Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 97741

Sample ID: ERH1753

APPL ID: BA42228

Sample Collection Date: 09/29/21

QCG: #GRO86-211014AM1-27032

Method	Analyte	Result	LOQ	LOD	DL	Units	Extraction Date	Analysis Date
EPA 8260B	GASOLINE RANGE ORGANICS	14 J	20	18.0	8.6	ug/L	10/14/21	10/14/21
EPA 8260B	SURROGATE: 4-BROMOFLUOROBENZ	99.7	85-114			%	10/14/21	10/14/21

J = Estimated value.

Quant Method:	M0825SUR.M
Run #:	1014M13
Instrument:	Max
Sequence:	211008
Dilution Factor:	1
Initials:	EOG

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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
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Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 97741

Sample ID: ERH1754

APPL ID: BA42229

Sample Collection Date: 09/29/21

QCG: #GRO86-211014AM1-27032

Method	Analyte	Result	LOQ	LOD	DL	Units	Extraction Date	Analysis Date
EPA 8260B	GASOLINE RANGE ORGANICS	64	20	18.0	8.6	ug/L	10/14/21	10/14/21
EPA 8260B	SURROGATE: 4-BROMOFLUOROBENZ	105	85-114			%	10/14/21	10/14/21

Quant Method:	M0825SUR.M
Run #:	1014M14
Instrument:	Max
Sequence:	211008
Dilution Factor:	1
Initials:	EOG

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

EPA 8260B GRO WATER

AECOM
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APPL Inc.
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Clovis, CA 93611

Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 97741

Sample ID: ERH1755

APPL ID: BA42230

Sample Collection Date: 09/29/21

QCG: #GRO86-211014AM1-27032

Method	Analyte	Result	LOQ	LOD	DL	Units	Extraction Date	Analysis Date
EPA 8260B	GASOLINE RANGE ORGANICS	18.0 U	20	18.0	8.6	ug/L	10/14/21	10/14/21
EPA 8260B	SURROGATE: 4-BROMOFLUOROBENZ	99.1	85-114			%	10/14/21	10/14/21

Quant Method:	M0825SUR.M
Run #:	1014M15
Instrument:	Max
Sequence:	211008
Dilution Factor:	1
Initials:	EOG

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

EPA 8260B GRO WATER

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Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 97741

Sample ID: ERH1756

APPL ID: BA42231

Sample Collection Date: 09/29/21

QCG: #GRO86-211014AM1-27032

Method	Analyte	Result	LOQ	LOD	DL	Units	Extraction Date	Analysis Date
EPA 8260B	GASOLINE RANGE ORGANICS	18.0 U	20	18.0	8.6	ug/L	10/14/21	10/14/21
EPA 8260B	SURROGATE: 4-BROMOFLUOROBENZ	103	85-114			%	10/14/21	10/14/21

Quant Method:	M0825SUR.M
Run #:	1014M16
Instrument:	Max
Sequence:	211008
Dilution Factor:	1
Initials:	EOG

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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.
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Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 97741

Sample ID: ERH1760

APPL ID: BA42232

Sample Collection Date: 09/29/21

QCG: #GRO86-211014AM1-27032

Method	Analyte	Result	LOQ	LOD	DL	Units	Extraction Date	Analysis Date
EPA 8260B	GASOLINE RANGE ORGANICS	18.0 U	20	18.0	8.6	ug/L	10/14/21	10/14/21
EPA 8260B	SURROGATE: 4-BROMOFLUOROBENZ	97.5	85-114			%	10/14/21	10/14/21

Quant Method:	M0825SUR.M
Run #:	1014M17
Instrument:	Max
Sequence:	211008
Dilution Factor:	1
Initials:	EOG

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

Wet Lab Analysis

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

Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

Sample ID: ERH1753

APPL ID: BA42228

Sample Collection Date: 9/29/2021

ARF: 97741

Method	Analyte	Result	LOQ	LOD	DL	Units	DF	Prep Date	Analysis Date
SW846 9060A	TOTAL ORGANIC CARBON	0.99	0.93	0.350	0.130	mg/L	1	10/13/21	10/13/21

Printed: 10/14/2021 11:14:35 AM

APPL-F1-SC-NoMC-REG MDLs

Wet Lab Analysis

AECOM
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APPL Inc.
908 North Temperance Avenue
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Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

Sample ID: ERH1754

APPL ID: BA42229

Sample Collection Date: 9/29/2021

ARF: 97741

Method	Analyte	Result	LOQ	LOD	DL	Units	DF	Prep Date	Analysis Date
SW846 9060A	TOTAL ORGANIC CARBON	4.1	0.93	0.350	0.130	mg/L	1	10/07/21	10/07/21

Printed: 10/14/2021 11:14:35 AM

APPL-F1-SC-NoMC-REG MDLs

Wet Lab Analysis

AECOM
1001 Bishop Street, Suite 1600
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APPL Inc.
908 North Temperance Avenue
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Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

Sample ID: ERH1755

APPL ID: BA42230

Sample Collection Date: 9/29/2021

ARF: 97741

Method	Analyte	Result	LOQ	LOD	DL	Units	DF	Prep Date	Analysis Date
SW846 9060A	TOTAL ORGANIC CARBON	4.6	0.93	0.350	0.130	mg/L	1	10/12/21	10/12/21

Printed: 10/14/2021 11:14:35 AM

APPL-F1-SC-NoMC-REG MDLs

Wet Lab Analysis

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

Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

Sample ID: ERH1756

APPL ID: BA42231

Sample Collection Date: 9/29/2021

ARF: 97741

Method	Analyte	Result	LOQ	LOD	DL	Units	DF	Prep Date	Analysis Date
SW846 9060A	TOTAL ORGANIC CARBON	0.51 J	0.93	0.350	0.130	mg/L	1	10/13/21	10/13/21

J = Estimated value.

Printed: 10/14/2021 11:14:35 AM

APPL-F1-SC-NoMC-REG MDLs

QC FORMS

EPA 8015B-eHL

Form 2 & 8

Surrogate Recovery

Lab Name: APPL, Inc. SDG No: 97741

Case No: 97741 Date Analyzed: 10/8/2021

Matrix: WATER Instrument: Apollo

APPL ID.	Client Sample No.	SURROGATE: OCTACOSANE (S)			SURROGATE: ORTHO-TERPHENYL (S)		
		Limits	Result	Qualifier	Limits	Result	Qualifier
211005A-BLK	Blank	60-142	99.9		56-125	86.2	
211005A-LCS	Lab Control Spike	60-142	105		56-125	103	
211005A-LCSD	Lab Control SpikeD	60-142	98.0		56-125	96.7	
BA42228	ERH1753	60-142	96.2		56-125	79.6	
BA42229	ERH1754	60-142	100.0		56-125	86.7	
BA42230	ERH1755	60-142	99.5		56-125	76.8	
BA42231	ERH1756	60-142	87.6		56-125	72.9	

Comments: Batch: #DOC53-211005A

EPA 8015B-eHL

Form 2 & 8

Surrogate Recovery

Lab Name: APPL, Inc. SDG No: 97741

Case No: 97741 Date Analyzed: 10/8/2021

Matrix: WATER Instrument: Apollo

APPL ID.	Client Sample No.	SURROGATE: (R) DECANOIC ACID (S)			SURROGATE: OCTACOSANE (S)		
		Limits	Result	Qualifier	Limits	Result	Qualifier
211005A1-BLK	Blank	0-1	0.0		60-142	92.2	
211005A1-LCS	Lab Control Spike	0-1	0.0		60-142	107	
211005A1-LCSD	Lab Control SpikeD	0-1	0.0		60-142	109	
BA42228	ERH1753	0-1	0.0		60-142	90.7	
BA42229	ERH1754	0-1	0.0		60-142	98.4	
BA42230	ERH1755	0-1	0.0		60-142	92.9	
BA42231	ERH1756	0-1	0.0		60-142	85.4	

Comments: Batch: #DOC53-211005A1

EPA 8015B-eHL

Form 2 & 8

Surrogate Recovery

Lab Name: APPL, Inc. SDG No: 97741

Case No: 97741 Date Analyzed: 10/8/2021

Matrix: WATER Instrument: Apollo

APPL ID.	Client Sample No.	SURROGATE: ORTHO-TERPHENYL (S)					
		Limits	Result	Qualifier	Limits	Result	Qualifier
211005A1-BLK	Blank	56-125	78.0				
211005A1-LCS	Lab Control Spike	56-125	103				
211005A1-LCSD	Lab Control SpikeD	56-125	103				
BA42228	ERH1753	56-125	77.1				
BA42229	ERH1754	56-125	81.0				
BA42230	ERH1755	56-125	72.2				
BA42231	ERH1756	56-125	72.3				

Comments: Batch: #DOC53-211005A1

EPA 8015B-eHL

Form 2 & 8

Surrogate Recovery

Lab Name: APPL, Inc. SDG No: 97741

Case No: 97741 Date Analyzed: 10/11/2021

Matrix: WATER Instrument: Apollo

APPL ID.	Client Sample No.	SURROGATE: OCTACOSANE (S)			SURROGATE: ORTHO-TERPHENYL (S)		
		Limits	Result	Qualifier	Limits	Result	Qualifier
211004A-BLK	Blank	60-142	87.7		56-125	73.1	
211004A-LCS	Lab Control Spike	60-142	96.0		56-125	81.3	
211004A-LCSD	Lab Control SpikeD	60-142	92.7		56-125	80.0	
BA42233	ERH1753 BLANK	60-142	93.4		56-125	79.6	
BA42234	ERH1754 BLANK	60-142	90.0		56-125	77.4	
BA42235	ERH1755 BLANK	60-142	93.3		56-125	80.3	
BA42236	ERH1756 BLANK	60-142	83.7		56-125	72.0	

Comments: Batch: #RHBLK-211004A

EPA 8015B-eH

Form 4

Blank Summary

Lab Name: APPL, Inc. SDG No: 97741

Case No: 97741 Date Analyzed: 10/8/2021

Matrix: WATER Instrument: Apollo

Blank ID: 211005A-BLK Time Analyzed: 0338

APPL ID.	Client Sample No.	File ID.	Date Analyzed
211005A-BLK	Blank	1007022	10/8/2021 0338
211005A-LCS	Lab Control Spike	1007023	10/8/2021 0406
211005A-LCSD	Lab Control SpikeD	1007024	10/8/2021 0435
BA42228	ERH1753	1007030	10/8/2021 0723
BA42229	ERH1754	1007031	10/8/2021 0751
BA42230	ERH1755	1007032	10/8/2021 0819
BA42231	ERH1756	1007033	10/8/2021 0848

Comments: Batch: #DOC53-211005A

EPA 8015B-eH

Form 4

Blank Summary

Lab Name: APPL, Inc. SDG No: 97741

Case No: 97741 Date Analyzed: 10/8/2021

Matrix: WATER Instrument: Apollo

Blank ID: 211005A1-BLK Time Analyzed: 1908

APPL ID.	Client Sample No.	File ID.	Date Analyzed
211005A1-BLK	Blank	1007055	10/8/2021 1908
211005A1-LCS	Lab Control Spike	1007056	10/8/2021 1937
211005A1-LCSD	Lab Control SpikeD	1007057	10/8/2021 2005
BA42228	ERH1753	1007063	10/8/2021 2254
BA42229	ERH1754	1007064	10/8/2021 2322
BA42230	ERH1755	1007065	10/8/2021 2350
BA42231	ERH1756	1007066	10/9/2021 0018

Comments: Batch: #DOC53-211005A1

EPA 8015B-eH

Form 4

Blank Summary

Lab Name: APPL, Inc. SDG No: 97741

Case No: 97741 Date Analyzed: 10/11/2021

Matrix: WATER Instrument: Apollo

Blank ID: 211004A-BLK Time Analyzed: 0500

APPL ID.	Client Sample No.	File ID.	Date Analyzed
211004A-BLK	Blank	1007178	10/11/2021 0500
211004A-LCS	Lab Control Spike	1007179	10/11/2021 0528
211004A-LCSD	Lab Control SpikeD	1007180	10/11/2021 0557
BA42233	ERH1753 BLANK	1007186	10/11/2021 0845
BA42234	ERH1754 BLANK	1007187	10/11/2021 0913
BA42235	ERH1755 BLANK	1007189	10/11/2021 1009
BA42236	ERH1756 BLANK	1007190	10/11/2021 1038

Comments: Batch: #RHBLK-211004A

Method Blank
EPA 8015B TPH LIQ-LIQ

Blank Name/QCG: **211005W-42037 - 268756**
Batch ID: #DOC53-211005A

APPL Inc.
908 North Temperance Avenu
Clovis, CA 93611

Sample Type	Analyte	Result	LOQ	LOD	DL	Units	Extraction Date	Analysis Date
BLANK	DIESEL (C10-C24)	300.0 U	320	300.0	150.0	ug/L	10/5/2021	10/8/2021
BLANK	OIL (C24-C40)	160 J	320	300.0	150.0	ug/L	10/5/2021	10/8/2021
BLANK	SURROGATE: OCTACOSANE (S)	99.9	60-142			%	10/5/2021	10/8/2021
BLANK	SURROGATE: ORTHO-TERPHEN	86.2	56-125			%	10/5/2021	10/8/2021

J = Estimated value.

Quant Method: DOC0830.M
Run #: 1007022
Instrument: Apollo
Sequence: 211007
Initials: KAB

GC SC-Blank-REG MDLs-DOD
Printed: 11/2/2021 9:45:21 AM

Method Blank
EPA 8015B TPH WATER L-L SGC

APPL Inc.
908 North Temperance Avenu
Clovis, CA 93611

Blank Name/QCG: **211005W-42037 - 269049**
Batch ID: #DOC53-211005A1

Sample Type	Analyte	Result	LOQ	LOD	DL	Units	Extraction Date	Analysis Date
BLANK	DIESEL (C10-C24)	300.0 U	320	300.0	150.0	ug/L	10/5/2021	10/8/2021
BLANK	OIL (C24-C40)	160 J	320	300.0	150.0	ug/L	10/5/2021	10/8/2021
BLANK	SURROGATE: (R) DECANOIC AC	0.0	0-1			%	10/5/2021	10/8/2021
BLANK	SURROGATE: OCTACOSANE (S)	92.2	60-142			%	10/5/2021	10/8/2021
BLANK	SURROGATE: ORTHO-TERPHEN	78.0	56-125			%	10/5/2021	10/8/2021

J = Estimated value.

Quant Method: DEC0911.M
Run #: 1007055
Instrument: Apollo
Sequence: 211007
Initials: KAB

GC SC-Blank-REG MDLs-DOD
Printed: 11/2/2021 9:45:21 AM

Method Blank
EPA 8015B TPH LIQ-LIQ

APPL Inc.
908 North Temperance Avenu
Clovis, CA 93611

Blank Name/QCG: **211004W-42041 - 269050**
Batch ID: #RHBLK-211004A

Sample Type	Analyte	Result	LOQ	LOD	DL	Units	Extraction Date	Analysis Date
BLANK	DIESEL (C10-C24)	300.0 U	320	300.0	150.0	ug/L	10/4/2021	10/11/2021
BLANK	OIL (C24-C40)	300.0 U	320	300.0	150.0	ug/L	10/4/2021	10/11/2021
BLANK	SURROGATE: OCTACOSANE (S)	87.7	60-142			%	10/4/2021	10/11/2021
BLANK	SURROGATE: ORTHO-TERPHEN	73.1	56-125			%	10/4/2021	10/11/2021

Quant Method: DOC0830.M
Run #: 1007178
Instrument: Apollo
Sequence: 211007
Initials: KAB

GC SC-Blank-REG MDLs-DOD
Printed: 11/2/2021 9:45:21 AM

EPA 8015B-eH

Form 4

LCS Summary

Lab Name: APPL, Inc. SDG No: 97741

Case No: 97741 Date Analyzed: 10/8/2021

Matrix: WATER Instrument: Apollo

LCS ID: 211005A-LCS Time Analyzed: 0406

APPL ID.	Client Sample No.	File ID.	Date Analyzed
211005A-BLK	Blank	1007022	10/8/2021 0338
211005A-LCS	Lab Control Spike	1007023	10/8/2021 0406
211005A-LCSD	Lab Control SpikeD	1007024	10/8/2021 0435
BA42228	ERH1753	1007030	10/8/2021 0723
BA42229	ERH1754	1007031	10/8/2021 0751
BA42230	ERH1755	1007032	10/8/2021 0819
BA42231	ERH1756	1007033	10/8/2021 0848

Comments: Batch: #DOC53-211005A

EPA 8015B-eH

Form 4

LCS Summary

Lab Name: APPL, Inc. SDG No: 97741

Case No: 97741 Date Analyzed: 10/8/2021

Matrix: WATER Instrument: Apollo

LCS ID: 211005A1-LCS Time Analyzed: 1937

APPL ID.	Client Sample No.	File ID.	Date Analyzed
211005A1-BLK	Blank	1007055	10/8/2021 1908
211005A1-LCS	Lab Control Spike	1007056	10/8/2021 1937
211005A1-LCSD	Lab Control SpikeD	1007057	10/8/2021 2005
BA42228	ERH1753	1007063	10/8/2021 2254
BA42229	ERH1754	1007064	10/8/2021 2322
BA42230	ERH1755	1007065	10/8/2021 2350
BA42231	ERH1756	1007066	10/9/2021 0018

Comments: Batch: #DOC53-211005A1

EPA 8015B-eH

Form 4

LCS Summary

Lab Name: APPL, Inc. SDG No: 97741

Case No: 97741 Date Analyzed: 10/11/2021

Matrix: WATER Instrument: Apollo

LCS ID: 211004A-LCS Time Analyzed: 0528

APPL ID.	Client Sample No.	File ID.	Date Analyzed
211004A-BLK	Blank	1007178	10/11/2021 0500
211004A-LCS	Lab Control Spike	1007179	10/11/2021 0528
211004A-LCSD	Lab Control SpikeD	1007180	10/11/2021 0557
BA42233	ERH1753 BLANK	1007186	10/11/2021 0845
BA42234	ERH1754 BLANK	1007187	10/11/2021 0913
BA42235	ERH1755 BLANK	1007189	10/11/2021 1009
BA42236	ERH1756 BLANK	1007190	10/11/2021 1038

Comments: Batch: #RHBLK-211004A

Laboratory Control Spike Recoveries
EPA 8015B TPH LIQ-LIQ

APPL ID: **211005W-42037 LCS - 268756**
Batch ID: #DOC53-211005A

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	2410	2120	121	106	36-132	12.8	30
OIL (C24-C40)	2000	2430	2220	122 #	111	41-113	9.0	30
SURROGATE: OCTACOSANE (S)	150	157	147	105	98.0	60-142		
SURROGATE: ORTHO-TERPHENYL (S)	150	154	145	103	96.7	56-125		

= Recovery is outside QC limits.

Comments:

Primary	SPK	DUP
Quant Method :	DOC0830.M	DOC0830.M
Extraction Date :	10/5/2021	10/5/2021
Analysis Date :	10/8/2021	10/8/2021
Instrument :	Apollo	Apollo
Run :	1007023	1007024
Initials :	KAB	

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

APPL ID: **211005W-42037 LCS - 269049**
Batch ID: #DOC53-211005A1

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	2130	2160	107	108	36-132	1.4	30
OIL (C24-C40)	2000	2380	2410	119 #	121 #	41-113	1.3	30
SURROGATE: (R) DECANOIC ACID (S)	10.00	0	0	0.0	0.0	0-1		
SURROGATE: OCTACOSANE (S)	150	160	163	107	109	60-142		
SURROGATE: ORTHO-TERPHENYL (S)	150	155	155	103	103	56-125		

= Recovery is outside QC limits.

Comments:

Primary	SPK	DUP
Quant Method :	DEC0911.M	DEC0911.M
Extraction Date :	10/5/2021	10/5/2021
Analysis Date :	10/8/2021	10/8/2021
Instrument :	Apollo	Apollo
Run :	1007056	1007057
Initials :	KAB	

Laboratory Control Spike Recoveries
EPA 8015B TPH LIQ-LIQ

APPL ID: **211004W-42041 LCS - 269050**
Batch ID: #RHBLK-211004A

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	74.3	80.0	NA	NA	36-132		30
OIL (C24-C40)	0	142	181	NA	NA	41-113		30
SURROGATE: OCTACOSANE (S)	150	144	139	96.0	92.7	60-142		
SURROGATE: ORTHO-TERPHENYL (S)	150	122	120	81.3	80.0	56-125		

Comments:

Primary	SPK	DUP
Quant Method :	DOC0830.M	DOC0830.M
Extraction Date :	10/4/2021	10/4/2021
Analysis Date :	10/11/2021	10/11/2021
Instrument :	Apollo	Apollo
Run :	1007179	1007180
Initials :	KAB	

8270D-SIM

Form 2 & 8

Surrogate Recovery

Lab Name: APPL, Inc. SDG No: 97741

Case No: 97741 Date Analyzed: 10/19/2021

Matrix: WATER Instrument: KYLO

APPL ID.	Client Sample No.	SURROGATE: 2-METHYLNAPHTHALENE-D10 (S)			SURROGATE: FLUORANTHENE-D10 (S)		
		Limits	Result	Qualifier	Limits	Result	Qualifier
211006AK-BLK	Blank	39-114	82.6		58-120	80.7	
211006AK-LCS	Lab Control Spike	39-114	77.6		58-120	78.6	
211006AK-LCSD	Lab Control SpikeD	39-114	90.0		58-120	87.4	
BA42228	ERH1753	39-114	86.7		58-120	78.2	
BA42229	ERH1754	39-114	90.1		58-120	51.6	#
BA42230	ERH1755	39-114	86.8		58-120	52.4	#
BA42231	ERH1756	39-114	84.2		58-120	70.4	

Comments: Batch: #SIM53-211006AK

= Recovery outside of Control Limits on Sample.

8270D-SIM

Form 4

Blank Summary

Lab Name: APPL, Inc. SDG No: 97741

Case No: 97741 Date Analyzed: 10/19/2021

Matrix: WATER Instrument: KYLO

Blank ID: 211006AK-BLK Time Analyzed: 2035

APPL ID.	Client Sample No.	File ID.	Date Analyzed
211006AK-BLK	Blank	1019K021	10/19/2021 2035
211006AK-LCS	Lab Control Spike	1019K022	10/19/2021 2055
211006AK-LCSD	Lab Control SpikeD	1019K023	10/19/2021 2115
BA42228	ERH1753	1019K029	10/19/2021 2314
BA42229	ERH1754	1019K030	10/19/2021 2334
BA42230	ERH1755	1019K031	10/19/2021 2354
BA42231	ERH1756	1019K032	10/20/2021 0014

Comments: Batch: #SIM53-211006AK

Method Blank
EPA 8270D SIM LIQ-LIQ

Blank Name/QCG: **211006W-42037 - 269511**
Batch ID: #SIM53-211006AK

APPL Inc.
908 North Temperance Avenu
Clovis, CA 93611

Sample Type	Analyte	Result	LOQ	LOD	DL	Units	Extraction Date	Analysis Date
BLANK	1-METHYLNAPHTHALENE	0.10 U	0.2	0.10	0.04	ug/L	10/6/2021	10/19/2021
BLANK	2-METHYLNAPHTHALENE	0.10 U	0.2	0.10	0.04	ug/L	10/6/2021	10/19/2021
BLANK	NAPHTHALENE	0.10 U	0.2	0.10	0.04	ug/L	10/6/2021	10/19/2021
BLANK	SURROGATE: 2-METHYLNAPHT	82.6	39-114			%	10/6/2021	10/19/2021
BLANK	SURROGATE: FLUORANTHENE-	80.7	58-120			%	10/6/2021	10/19/2021

Quant Method: K1019.M
Run #: 1019K021
Instrument: KYLO
Sequence: 211019
Initials: LSI

GC SC-Blank-REG MDLs-DOD
Printed: 11/11/2021 2:08:02 PM

8270D-SIM

Form 4

LCS Summary

Lab Name:	APPL, Inc.	SDG No:	97741
Case No:	97741	Date Analyzed:	10/19/2021
Matrix:	WATER	Instrument:	KYLO
LCS ID:	211006AK-LCS	Time Analyzed:	2055

APPL ID.	Client Sample No.	File ID.	Date Analyzed
211006AK-BLK	Blank	1019K021	10/19/2021 2035
211006AK-LCS	Lab Control Spike	1019K022	10/19/2021 2055
211006AK-LCSD	Lab Control SpikeD	1019K023	10/19/2021 2115
BA42228	ERH1753	1019K029	10/19/2021 2314
BA42229	ERH1754	1019K030	10/19/2021 2334
BA42230	ERH1755	1019K031	10/19/2021 2354
BA42231	ERH1756	1019K032	10/20/2021 0014

Comments: Batch: #SIM53-211006AK

Laboratory Control Spike Recoveries
EPA 8270D SIM LIQ-LIQ

APPL ID: **211006W-42037 LCS - 269511**
Batch ID: #SIM53-211006AK

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	3.54	4.12	70.8	82.4	41-115	15.1	20
2-METHYLNAPHTHALENE	5.00	3.60	4.20	72.0	84.0	39-114	15.4	20
NAPHTHALENE	5.00	3.53	4.12	70.6	82.4	43-114	15.4	20
SURROGATE: 2-METHYLNAPHTHALEN	5.00	3.88	4.50	77.6	90.0	39-114		
SURROGATE: FLUORANTHENE-D10 (S)	5.00	3.93	4.37	78.6	87.4	58-120		

Comments:

Primary	SPK	DUP
Quant Method :	K1019.M	K1019.M
Extraction Date :	10/6/2021	10/6/2021
Analysis Date :	10/19/2021	10/19/2021
Instrument :	KYLO	KYLO
Run :	1019K022	1019K023
Initials :	LSI	

Form 5
Tune Summary

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

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

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

Form 5
Tune Summary

Lab Name: APPL Inc. SDG No: 97741
Case No: 97741 Date Analyzed: 10/19/2021
Matrix: Water Instrument: KYLO
ID: 1019K011.D Time Analyzed: 17:23

	Client Sample No.	APPL ID.	File ID.	Date Analyzed
1	Blank	211006A BLK 1/1000	1019K021.D	10/19/2021 20:35
2	Lab Control Spike	211006A LCS-1 1/1000	1019K022.D	10/19/2021 20:55
3	Lab Control SpikeD	211006A LCSD-1 1/100	1019K023.D	10/19/2021 21:15
4	ERH1753	BA42228W08 1/1000	1019K029.D	10/19/2021 23:14
5	ERH1754	BA42229W07 1/1000	1019K030.D	10/19/2021 23:34
6	ERH1755	BA42230W08 1/1000	1019K031.D	10/19/2021 23:54
7	ERH1756	BA42231W08 1/950	1019K032.D	10/20/2021 0:14
8		5 ug/ml 10/10/21 (2)	1019K045.D	10/20/2021 4:32
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				

m/e		
51	9.95 - 80.1% of mass 198	41.0
68	0 - 2.05% of mass 69	2.0
70	0 - 2% of mass 69	0.5
127	10 - 80% of mass 198	57.3
197	0 - 2% of mass 198	0.1
198	100 - 100% of mass 198	100.0
199	5 - 9% of mass 198	6.7
275	10 - 60% of mass 198	22.1
365	1 - 100% of mass 198	2.6
441	0.01 - 24% of mass 442	13.9
442	50 - 500% of mass 198	63.6
443	15 - 24% of mass 442	18.8

8A
INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: APPL Inc. Contract:

Lab Code: SDG No.:

Lab File ID (Standard): 1019K010.D Date Analyzed: 10/19/21

Instrument ID: KYLO Time Analyzed: 16:49

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

		Napthalene-D8(IS)		Acenaphthene-D10(IS)		Phenanthrene-D10(IS)	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
	12 HOUR STD	11540	3.92	5722	5.86	8843	7.56
	UPPER LIMIT	23080	4.09	11444	6.03	17686	7.73
	LOWER LIMIT	5770	3.75	2861	5.69	4422	7.39
	SAMPLE NO.						
01	211006A BLK 1/1000	12209	3.92	6036	5.86	9660	7.56
02	211006A LCS-1 1/1000	12518	3.92	6145	5.85	9847	7.56
03	211006A LCSD-1 1/100	13163	3.92	6561	5.86	10487	7.56
04	BA42228W08 1/1000	13054	3.92	6546	5.86	10457	7.56
05	BA42229W07 1/1000	12971	3.92	6672	5.85	10638	7.56
06	BA42230W08 1/1000	13283	3.92	6707	5.86	10745	7.56
07	BA42231W08 1/950	13131	3.92	6665	5.85	10501	7.56
08	5 ug/ml 10/10/21 (2)	17106	3.92	8524	5.85	13228	7.56
09							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							

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

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

8A
INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: APPL Inc. Contract:

Lab Code: SDG No.:

Lab File ID (Standard): 1019K010.D Date Analyzed: 10/19/21

Instrument ID: KYLO Time Analyzed: 16:49

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

		Chrysene-D12(IS)		Perylene-D12(IS)			
		AREA #	RT #	AREA #	RT #	AREA #	RT #
	12 HOUR STD	10394	10.62	8800	12.83		
	UPPER LIMIT	20788	10.79	17600	13.00		
	LOWER LIMIT	5197	10.45	4400	12.66		
	SAMPLE NO.						
01	211006A BLK 1/1000	11171	10.62	10169	12.84		
02	211006A LCS-1 1/1000	11566	10.62	10531	12.83		
03	211006A LCSD-1 1/100	12328	10.62	11224	12.83		
04	BA42228W08 1/1000	11887	10.62	10698	12.83		
05	BA42229W07 1/1000	12154	10.62	11276	12.83		
06	BA42230W08 1/1000	12472	10.62	11523	12.83		
07	BA42231W08 1/950	12345	10.62	10915	12.83		
08	5 ug/ml 10/10/21 (2)	15148	10.62	14174	12.83		
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: 97741

Case No: 97741 Date Analyzed: 10/14/2021

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
211014AM1-LCS	Lab Control Spike	81-118	104		85-114	96.8	
211014AM1-LCSD	Lab Control SpikeD	81-118	110		85-114	95.6	
211014AM1-BLK	Blank	81-118	105		85-114	95.4	
BA42228	ERH1753	81-118	105		85-114	93.1	
BA42229	ERH1754	81-118	108		85-114	98.1	
BA42230	ERH1755	81-118	107		85-114	92.5	
BA42231	ERH1756	81-118	109		85-114	95.7	
BA42232	ERH1760	81-118	103		85-114	91.0	

Comments: Batch: #86BTO-211014AM

EPA 8260B

Form 2 & 8

Surrogate Recovery

Lab Name: APPL, Inc. SDG No: 97741

Case No: 97741 Date Analyzed: 10/14/2021

Matrix: WATER Instrument: Max

APPL ID.	Client Sample No.	SURROGATE: DIBROMOFLUOROMETHANE (S)			SURROGATE: TOLUENE-D8 (S)		
		Limits	Result	Qualifier	Limits	Result	Qualifier
211014AM1-LCS	Lab Control Spike	80-119	103		89-112	103	
211014AM1-LCSD	Lab Control SpikeD	80-119	103		89-112	101	
211014AM1-BLK	Blank	80-119	104		89-112	101	
BA42228	ERH1753	80-119	106		89-112	101	
BA42229	ERH1754	80-119	108		89-112	104	
BA42230	ERH1755	80-119	106		89-112	102	
BA42231	ERH1756	80-119	103		89-112	100.0	
BA42232	ERH1760	80-119	105		89-112	100	

Comments: Batch: #86BTO-211014AM

EPA 8260B

Form 4

Blank Summary

Lab Name:	APPL, Inc.	SDG No:	97741
Case No:	97741	Date Analyzed:	10/14/2021
Matrix:	WATER	Instrument:	Max
Blank ID:	211014AM1-BLK	Time Analyzed:	1250

APPL ID.	Client Sample No.	File ID.	Date Analyzed
211014AM1-LCS	Lab Control Spike	1014M03	10/14/2021 1028
211014AM1-LCSD	Lab Control SpikeD	1014M04	10/14/2021 1057
211014AM1-BLK	Blank	1014M08	10/14/2021 1250
BA42228	ERH1753	1014M13	10/14/2021 1512
BA42229	ERH1754	1014M14	10/14/2021 1541
BA42230	ERH1755	1014M15	10/14/2021 1609
BA42231	ERH1756	1014M16	10/14/2021 1637
BA42232	ERH1760	1014M17	10/14/2021 1706

Comments: Batch: #86BTO-211014AM

Method Blank
EPA 8260B BTEX WATER

APPL Inc.
908 North Temperance Avenu
Clovis, CA 93611

Blank Name/QCG: **211014W-42228 - 270312**
Batch ID: #86BTO-211014AM1

Sample Type	Analyte	Result	LOQ	LOD	DL	Units	Extraction Date	Analysis Date
BLANK	BENZENE	0.30 U	1.0	0.30	0.15	ug/L	10/14/2021	10/14/2021
BLANK	ETHYLBENZENE	0.50 U	1.0	0.50	0.23	ug/L	10/14/2021	10/14/2021
BLANK	TOLUENE	0.30 U	1.0	0.30	0.15	ug/L	10/14/2021	10/14/2021
BLANK	XYLENES (TOTAL)	0.30 U	2.0	0.30	0.15	ug/L	10/14/2021	10/14/2021
BLANK	SURROGATE: 1,2-DICHLOROET	105	81-118			%	10/14/2021	10/14/2021
BLANK	SURROGATE: 4-BROMOFLUORO	95.4	85-114			%	10/14/2021	10/14/2021
BLANK	SURROGATE: DIBROMOFLUOR	104	80-119			%	10/14/2021	10/14/2021
BLANK	SURROGATE: TOLUENE-D8 (S)	101	89-112			%	10/14/2021	10/14/2021

Quant Method:M0825SUR.M
Run #:1014M08
Instrument:Max
Sequence:211008
Initials:MHO

GC SC-Blank-REG MDLs-DOD
Printed: 11/11/2021 2:11:56 PM

EPA 8260B

Form 4

LCS Summary

Lab Name:	APPL, Inc.	SDG No:	97741
Case No:	97741	Date Analyzed:	10/14/2021
Matrix:	WATER	Instrument:	Max
LCS ID:	211014AM1-LCS	Time Analyzed:	1028

APPL ID.	Client Sample No.	File ID.	Date Analyzed
211014AM1-LCS	Lab Control Spike	1014M03	10/14/2021 1028
211014AM1-LCSD	Lab Control SpikeD	1014M04	10/14/2021 1057
211014AM1-BLK	Blank	1014M08	10/14/2021 1250
BA42228	ERH1753	1014M13	10/14/2021 1512
BA42229	ERH1754	1014M14	10/14/2021 1541
BA42230	ERH1755	1014M15	10/14/2021 1609
BA42231	ERH1756	1014M16	10/14/2021 1637
BA42232	ERH1760	1014M17	10/14/2021 1706

Comments: Batch: #86BTO-211014AM

Laboratory Control Spike Recoveries
EPA 8260B BTEX WATER

APPL ID: **211014W-42228 LCS - 270312**
Batch ID: #86BTO-211014AM1

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	10.7	10.7	107	107	79-120	0.0	20
ETHYLBENZENE	10.00	11.0	11.0	110	110	79-121	0.0	20
TOLUENE	10.00	11.0	10.3	110	103	80-121	6.6	20
XYLENES (TOTAL)	30.0	32.5	31.7	108	106	79-121	2.5	20
SURROGATE: 1,2-DICHLOROETHANE-D	25.0	26.1	27.5	104	110	81-118		
SURROGATE: 4-BROMOFLUOROBENZE	25.0	24.2	23.9	96.8	95.6	85-114		
SURROGATE: DIBROMOFLUOROMETH	25.0	25.8	25.7	103	103	80-119		
SURROGATE: TOLUENE-D8 (S)	25.0	25.7	25.3	103	101	89-112		

Comments:

Primary	SPK	DUP
Quant Method :	M1008W.M	M1008W.M
Extraction Date :	10/14/2021	10/14/2021
Analysis Date :	10/14/2021	10/14/2021
Instrument :	Max	Max
Run :	1014M03	1014M04
Initials :	MHO	

Form 5
Tune Summary

Lab Name: APPL Inc.
Case No:
Matrix: Water
ID: 1008M21.D

SDG No:
Date Analyzed: 10/8/2021
Instrument: Max
Time Analyzed: 16:14

	Client Sample No.	APPL ID.	File ID.	Date Analyzed
1		0.3ug/L VOC STD 10/8	1008M22.D	10/8/2021 16:42
2		0.5ug/L VOC STD 10/8	1008M23.D	10/8/2021 17:11
3		1ug/L VOC STD 10/8/2	1008M24.D	10/8/2021 17:39
4		2ug/L VOC STD 10/8/2	1008M25.D	10/8/2021 18:07
5		5ug/L VOC STD 10/8/2	1008M26.D	10/8/2021 18:35
6		10ug/L VOC STD 10/8/	1008M27.D	10/8/2021 19:03
7		20ug/L VOC STD 10/8/	1008M28.D	10/8/2021 19:31
8		40ug/L VOC STD 10/8/	1008M29.D	10/8/2021 19:59
9		100ug/L VOC STD 10/8	1008M30.D	10/8/2021 20:27
10		(SS) 10ug/L VOC STD	1008M32.D	10/8/2021 21:23
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				

m/e		
50	15.0 - 40.0% of mass 95	17.5
75	30.0 - 60.0% of mas 95	59.1
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.3
173	Less than 2.0% of mass 174	0.0
174	50.0 - 200.0% of mass 95	141.4
175	5.0 - 9.0% of mass 174	7.5
176	95.0 - 101.0% of mass 174	98.1
177	5.0 - 9.0% of mass 176	6.7

8A
INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: APPL Inc. Contract:

Lab Code: SDG No.:

Lab File ID (Standard): 1008M32.D Date Analyzed: 8 Oct 21 21:23

Instrument ID: Max Time Analyzed: 8 Oct 21 21:23

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	393662	6.29	362431	9.46	250840	11.78
	UPPER LIMIT	787324	6.46	724862	9.63	501680	11.95
	LOWER LIMIT	196831	6.12	181216	9.29	125420	11.61
	SAMPLE NO.						
01	0.3ug/L VOC STD 10/8/	395258	6.28	367600	9.45	219240	11.78
02	0.5ug/L VOC STD 10/8/	388896	6.28	368558	9.45	224254	11.78
03	1ug/L VOC STD 10/8/21	398213	6.29	368705	9.45	231241	11.78
04	2ug/L VOC STD 10/8/21	386107	6.28	354778	9.45	228518	11.78
05	5ug/L VOC STD 10/8/21	383546	6.29	361219	9.45	244991	11.78
06	10ug/L VOC STD 10/8/2	388138	6.29	360841	9.45	248637	11.78
07	20ug/L VOC STD 10/8/2	398005	6.29	370167	9.45	264410	11.78
08	40ug/L VOC STD 10/8/2	391306	6.29	373477	9.45	269114	11.78
09	100ug/L VOC STD 10/8/	398991	6.28	387064	9.46	284233	11.78
10	(SS) 10ug/L VOC STD 1	393662	6.29	362431	9.46	250840	11.78
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.

Form 5
Tune Summary

Lab Name: APPL Inc. SDG No: 97741
Case No: 97741 Date Analyzed: 10/14/2021
Matrix: Water Instrument: Max
ID: 1014M01.D Time Analyzed: 9:32

	Client Sample No.	APPL ID.	File ID.	Date Analyzed
1		211014A CCV 10ug/L	1014M02.D	10/14/2021 10:00
2	Lab Control Spike	211014A LCS 10ug/L	1014M03.D	10/14/2021 10:28
3	Lab Control SpikeD	211014A LCSD 10ug/L	1014M04.D	10/14/2021 10:57
4	Blank	211014A BLK	1014M08.D	10/14/2021 12:50
5	ERH1753	BA42228W02	1014M13.D	10/14/2021 15:12
6	ERH1754	BA42229W01	1014M14.D	10/14/2021 15:41
7	ERH1755	BA42230W01	1014M15.D	10/14/2021 16:09
8	ERH1756	BA42231W01	1014M16.D	10/14/2021 16:37
9	ERH1760	BA42232W01	1014M17.D	10/14/2021 17:06
10		Ending CCV 10ug/L 10	1014M26.D	10/14/2021 21:21
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				

m/e		
50	15 - 40% of mass 95	18.3
75	30 - 60.04% of mass 95	59.3
95	100 - 200% of mass 95	100.0
96	5 - 9% of mass 95	5.5
173	0 - 2% of mass 174	0.0
174	50 - 200% of mass 95	133.7
175	5 - 9.02% of mass 174	8.6
176	95 - 101% of mass 174	98.5
177	5 - 9% of mass 176	6.5

8A
INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: APPL Inc. Contract:

Lab Code: SDG No.:

Lab File ID (Standard): 1014M02.D Date Analyzed: 10/14/21

Instrument ID: Max Time Analyzed: 10:00

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	398639	6.33	351442	9.49	231647	11.82
	UPPER LIMIT	797278	6.50	702884	9.66	463294	11.99
	LOWER LIMIT	199320	6.16	175721	9.32	115824	11.65
	SAMPLE NO.						
01	211014A CCV 10ug/L	398639	6.33	351442	9.49	231647	11.82
02	211014A LCS 10ug/L	398372	6.33	349404	9.49	233160	11.82
03	211014A LCSD 10ug/L	373383	6.33	334077	9.49	229827	11.82
04	211014A BLK	368375	6.33	324722	9.49	206590	11.82
05	BA42228W02	360138	6.33	328112	9.50	218125	11.82
06	BA42229W01	375077	6.33	330772	9.50	223521	11.82
07	BA42230W01	387551	6.33	348203	9.49	222921	11.82
08	BA42231W01	374504	6.33	335111	9.50	216203	11.82
09	BA42232W01	381650	6.33	343942	9.50	213657	11.82
10	Ending CCV 10ug/L 10/1	366321	6.33	338582	9.50	227385	11.82
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							

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

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

EPA 8260B

Form 2 & 8

Surrogate Recovery

Lab Name: APPL, Inc. SDG No: 97741

Case No: 97741 Date Analyzed: 10/14/2021

Matrix: WATER Instrument: Max

APPL ID.	Client Sample No.	SURROGATE: 4-BROMOFLUOROBENZENE (S)					
		Limits	Result	Qualifier	Limits	Result	Qualifier
211014AM1-LCS	Lab Control Spike	85-114	102				
211014AM1-LCSD	Lab Control SpikeD	85-114	104				
211014AM1-BLK	Blank	85-114	102				
BA42228	ERH1753	85-114	99.7				
BA42229	ERH1754	85-114	105				
BA42230	ERH1755	85-114	99.1				
BA42231	ERH1756	85-114	103				
BA42232	ERH1760	85-114	97.5				

Comments: Batch: #GRO86-211014AM

EPA 8260B

Form 4

Blank Summary

Lab Name: APPL, Inc. SDG No: 97741

Case No: 97741 Date Analyzed: 10/14/2021

Matrix: WATER Instrument: Max

Blank ID: 211014AM1-BLK Time Analyzed: 1250

APPL ID.	Client Sample No.	File ID.	Date Analyzed
211014AM1-LCS	Lab Control Spike	1014M06	10/14/2021 1153
211014AM1-LCSD	Lab Control SpikeD	1014M07	10/14/2021 1222
211014AM1-BLK	Blank	1014M08	10/14/2021 1250
BA42228	ERH1753	1014M13	10/14/2021 1512
BA42229	ERH1754	1014M14	10/14/2021 1541
BA42230	ERH1755	1014M15	10/14/2021 1609
BA42231	ERH1756	1014M16	10/14/2021 1637
BA42232	ERH1760	1014M17	10/14/2021 1706

Comments: Batch: #GRO86-211014AM

Method Blank
EPA 8260B GRO WATER

Blank Name/QCG: **211014W-42228 - 270325**
Batch ID: #GRO86-211014AM1

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	10/14/2021	10/14/2021
BLANK	SURROGATE: 4-BROMOFLUORO	102	85-114			%	10/14/2021	10/14/2021

Quant Method: M0825SUR.M
Run #: 1014M08
Instrument: Max
Sequence: 211008
Initials: EOG

GC SC-Blank-REG MDLs-DOD
Printed: 11/11/2021 3:54:59 PM

EPA 8260B

Form 4

LCS Summary

Lab Name:	APPL, Inc.	SDG No:	97741
Case No:	97741	Date Analyzed:	10/14/2021
Matrix:	WATER	Instrument:	Max
LCS ID:	211014AM1-LCS	Time Analyzed:	1153

APPL ID.	Client Sample No.	File ID.	Date Analyzed
211014AM1-LCS	Lab Control Spike	1014M06	10/14/2021 1153
211014AM1-LCSD	Lab Control SpikeD	1014M07	10/14/2021 1222
211014AM1-BLK	Blank	1014M08	10/14/2021 1250
BA42228	ERH1753	1014M13	10/14/2021 1512
BA42229	ERH1754	1014M14	10/14/2021 1541
BA42230	ERH1755	1014M15	10/14/2021 1609
BA42231	ERH1756	1014M16	10/14/2021 1637
BA42232	ERH1760	1014M17	10/14/2021 1706

Comments: Batch: #GRO86-211014AM

Laboratory Control Spike Recoveries
EPA 8260B GRO WATER

APPL ID: **211014W-42228 LCS - 270325**
Batch ID: #GRO86-211014AM1

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	340	329	113	110	78-122	3.3	20
SURROGATE: 4-BROMOFLUOROBENZE	25.0	25.6	26.0	102	104	85-114		

Comments:

Primary	SPK	DUP
Quant Method :	M0825SUR.M	M0825SUR.M
Extraction Date :	10/14/2021	10/14/2021
Analysis Date :	10/14/2021	10/14/2021
Instrument :	Max	Max
Run :	1014M06	1014M07
Initials :	EOG	

SW846 9060A

Form 4

Blank Summary

Lab Name:	APPL, Inc.	SDG No:	97741
Case No:	97741	Date Analyzed:	10/7/2021
Matrix:	WATER	Instrument:	TICTOC
Blank ID:	211007A-BLK	Time Analyzed:	1232

APPL ID.	Client Sample No.	File ID.	Date Analyzed
211007A-BLK	Blank	45	10/7/2021 1232
211007A-LCS	Lab Control Spike	46	10/7/2021 1312
211007A-LCSD	Lab Control SpikeD	47	10/7/2021 1352
BA42229	ERH1754	52	10/7/2021 2206

Comments: Batch: #TOCW5-211007A

SW846 9060A

Form 4

Blank Summary

Lab Name: APPL, Inc. SDG No: 97741

Case No: 97741 Date Analyzed: 10/12/2021

Matrix: WATER Instrument: TICTOC

Blank ID: 211012A-BLK Time Analyzed: 2300

APPL ID.	Client Sample No.	File ID.	Date Analyzed
211012A-LCSD	Lab Control SpikeD	21	10/12/2021 1409
211012A-LCS	Lab Control Spike	25	10/12/2021 1833
211012A-BLK	Blank	29	10/12/2021 2300
BA42230	ERH1755	30	10/12/2021 2340
BA42228	ERH1753	31	10/13/2021 0019
BA42231	ERH1756	32	10/13/2021 0056

Comments: Batch: #TOCW5-211012A

WETLAB BLANK

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Method	Analyte	Result	LOQ	LOD	DL	Units	Prep Date	Analysis Date	QC Group
SW846 90	TOTAL ORGANIC C	0.350 U	0.93	0.350	0.130	mg/L	10/12/21	10/12/21	#TOCW5-211012A-BA42228
SW846 90	TOTAL ORGANIC C	0.350 U	0.93	0.350	0.130	mg/L	10/07/21	10/07/21	#TOCW5-211007A-BA42229

SW846 9060A

Form 4

LCS Summary

Lab Name:	APPL, Inc.	SDG No:	97741
Case No:	97741	Date Analyzed:	10/7/2021
Matrix:	WATER	Instrument:	TICTOC
LCS ID:	211007A-LCS	Time Analyzed:	1312

APPL ID.	Client Sample No.	File ID.	Date Analyzed
211007A-BLK	Blank	45	10/7/2021 1232
211007A-LCS	Lab Control Spike	46	10/7/2021 1312
211007A-LCSD	Lab Control SpikeD	47	10/7/2021 1352
BA42229	ERH1754	52	10/7/2021 2206

Comments: Batch: #TOCW5-211007A

SW846 9060A

Form 4

LCS Summary

Lab Name:	APPL, Inc.	SDG No:	97741
Case No:	97741	Date Analyzed:	10/12/2021
Matrix:	WATER	Instrument:	TICTOC
LCS ID:	211012A-LCS	Time Analyzed:	1833

APPL ID.	Client Sample No.	File ID.	Date Analyzed
211012A-LCSD	Lab Control SpikeD	21	10/12/2021 1409
211012A-LCS	Lab Control Spike	25	10/12/2021 1833
211012A-BLK	Blank	29	10/12/2021 2300
BA42230	ERH1755	30	10/12/2021 2340
BA42228	ERH1753	31	10/13/2021 0019
BA42231	ERH1756	32	10/13/2021 0056

Comments: Batch: #TOCW5-211012A

Laboratory Control Spike Recoveries

WETLAB

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Method	Compound Name	Spike Lvl mg/L	SPK Res mg/L	DUP Res mg/L	SPK % Recov	DUP % Recov	RPD	RPD Max	QC Limits	Extract Date-Spk	Analysis Date-Spk	Extract Date-Dup	Analysis Date-Dup	QC Group
SW846 90	TOTAL ORGANIC CARBO	5.00	4.47	5.08	89.4	102	12.8	20	80-120	10/12/21	10/12/21	10/12/21	10/12/21	#TOCW5-211012A-BA422

Comments:

Laboratory Control Spike Recoveries

WETLAB

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Method	Compound Name	Spike Lvl mg/L	SPK Res mg/L	DUP Res mg/L	SPK % Recov	DUP % Recov	RPD	RPD Max	QC Limits	Extract Date-Spk	Analysis Date-Spk	Extract Date-Dup	Analysis Date-Dup	QC Group
SW846 90	TOTAL ORGANIC CARBO	5.00	4.20	5.47	84.0	109	26.3 #	20	80-120	10/07/21	10/07/21	10/07/21	10/07/21	#TOCW5-211007A-BA422

= Recovery is outside QC limits.

Comments:

ORGANICS
Calibration Data

TPH Extractables
DOC0831

Form 6
Initial Calibration

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

			830004.D	830005.D	830006.D	830007.D	830008.D	830009.D	830010.D								
		Compound	1	2	3	4	5	6	7				Avg	%RSD	Type	r^2	Q
1	HATM	Diesel (C10-C24)	1996096	2096504	2044980	1954573	1978127	1986289	2080607				2019597	2.7	HATM		
2	HBTML	Motor Oil (C24-C40)	4145119	2435540	1673061	1536974	1493779	1466134	1500171				2035825	49	HBTM	1.000	
3	SA	Ortho-Terphenyl(S)	2853226	2657484	2628989	2539846	2469795	2419311	2566361				2590716	5.5	SA		
4	SA	Octacosane(S)	2110335	1874119	1915976	1916647	1876549	1864260	1926753				1926377	4.4	SA		
5																	
6																	
7																	
8																	
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1.751305

Quantitation Report (Not Reviewed)

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

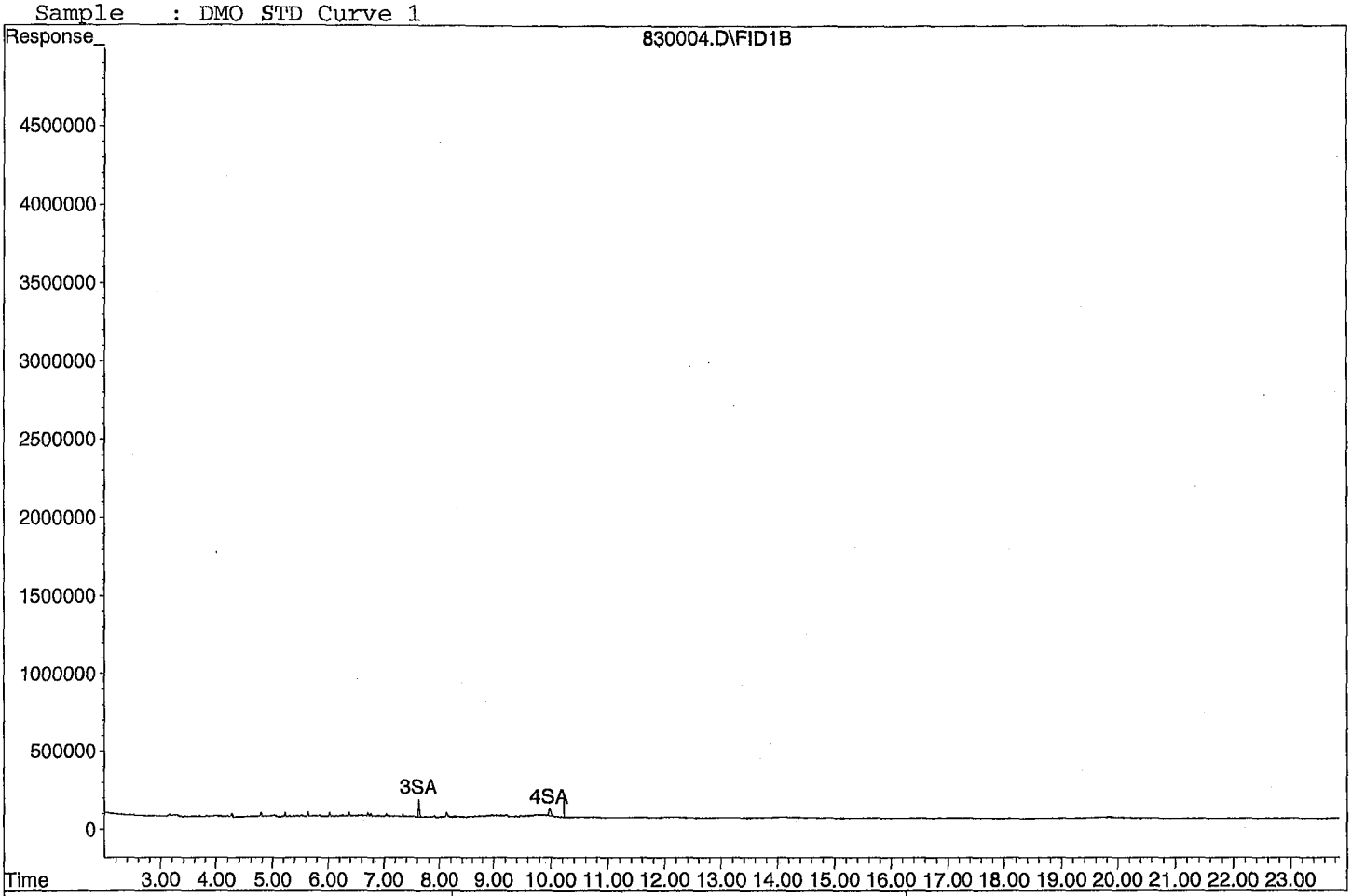
Method : G:\APOLLO\DATA\210830\DOC0830.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Tue Aug 31 09:20:02 2021
Response via : Multiple Level Calibration

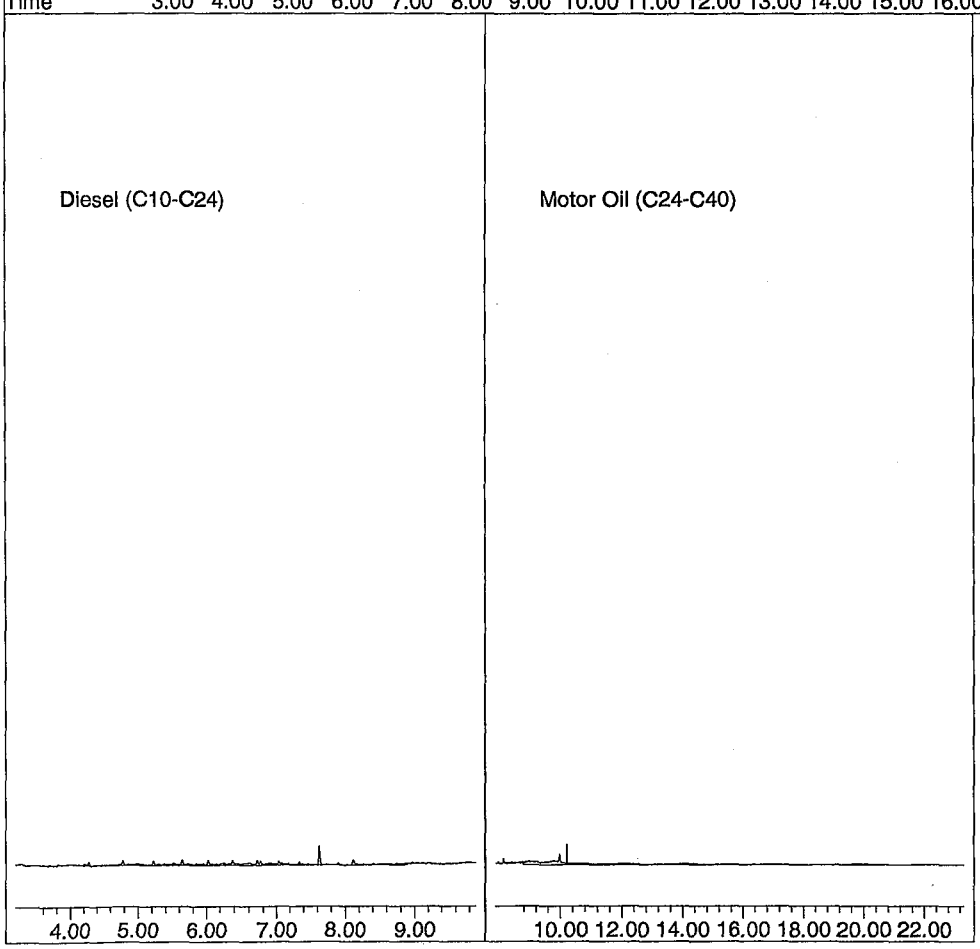
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

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

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

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





Quantitation Report (Not Reviewed)

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

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

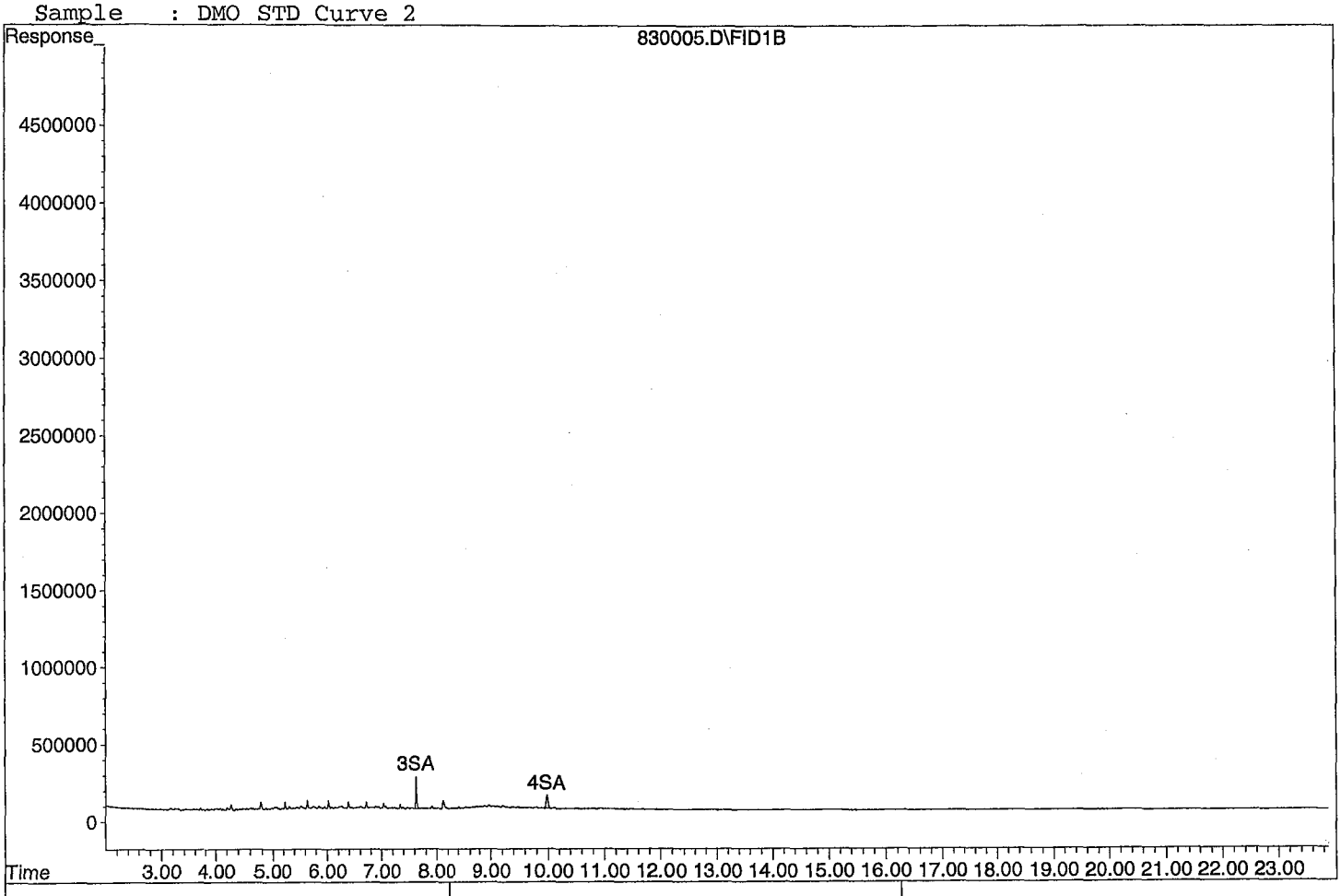
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

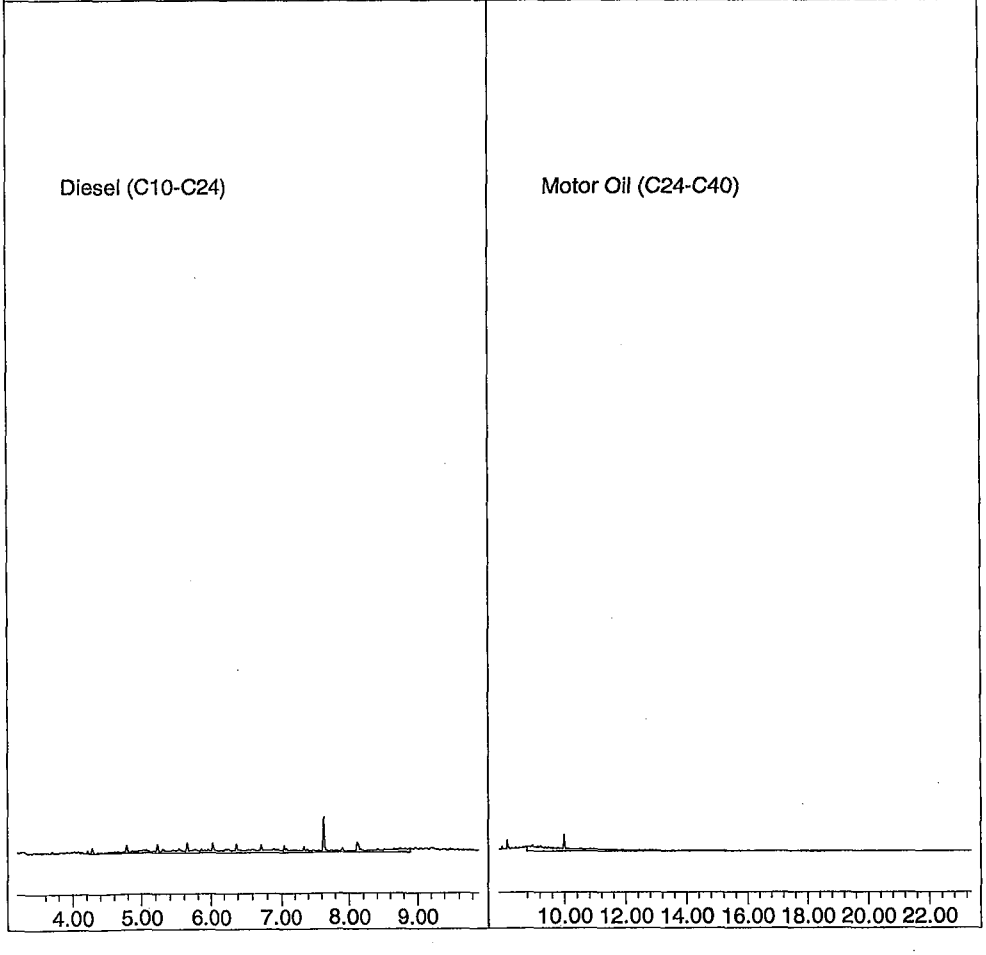
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.63	2657484	0.513 ppb
Surrogate Spike 30.000	Recovery =		1.71%
4) SA Octacosane(S)	9.98	1874119	0.486 ppb
Surrogate Spike 30.000	Recovery =		1.62%
Target Compounds			
1) HATM Diesel (C10-C24)	6.54	41930088	10.381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

Target Compounds

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

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





Quantitation Report (Not Reviewed)

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

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

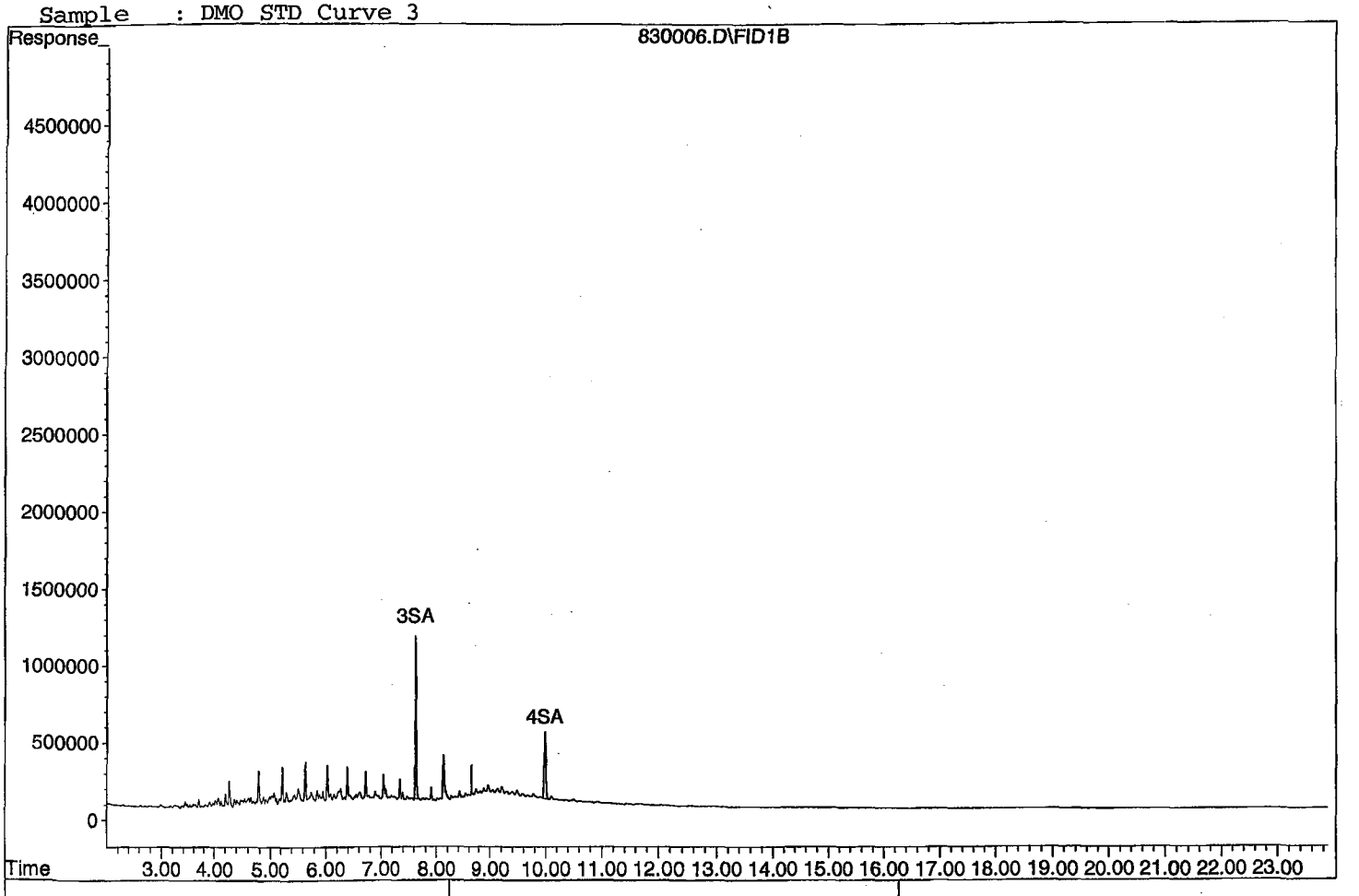
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

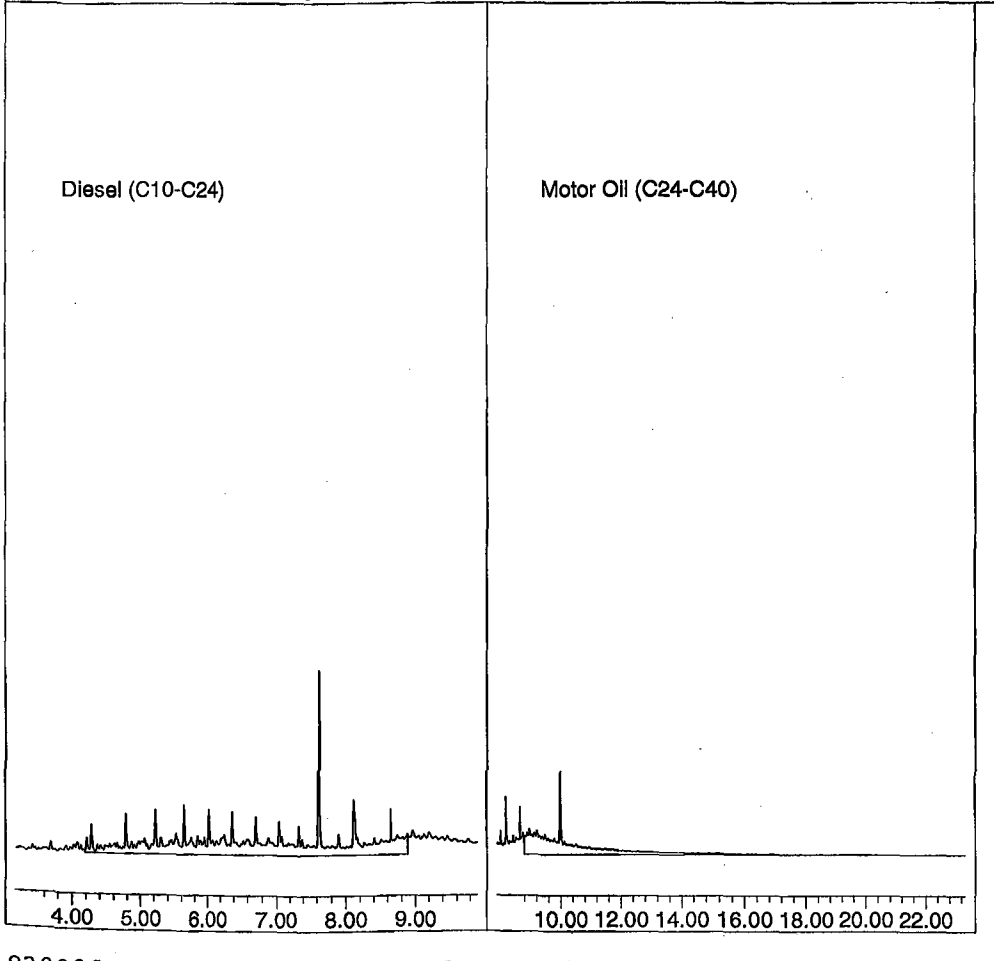
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.63	13144947	2.537 ppb
Surrogate Spike 30.000	Recovery =		8.46%
4) SA Octacosane(S)	9.98	9579881	2.487 ppb
Surrogate Spike 30.000	Recovery =		8.29%
Target Compounds			
1) HATM Diesel (C10-C24)	6.54	204498046	50.628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

Target Compounds

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

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





Quantitation Report (Not Reviewed)

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

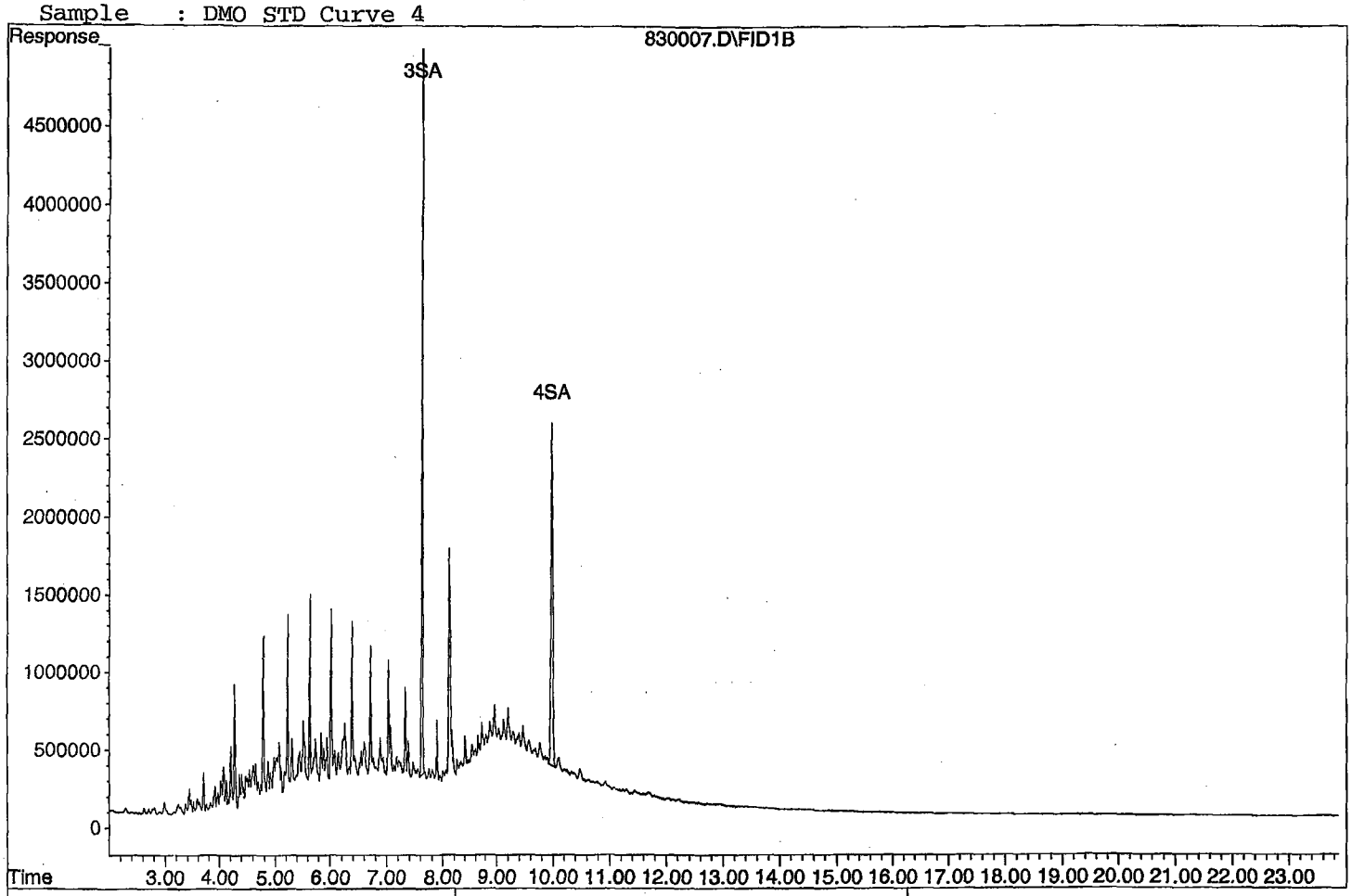
Method : G:\APOLLO\DATA\210830\DOC0830.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Tue Aug 31 09:20:02 2021
Response via : Multiple Level Calibration

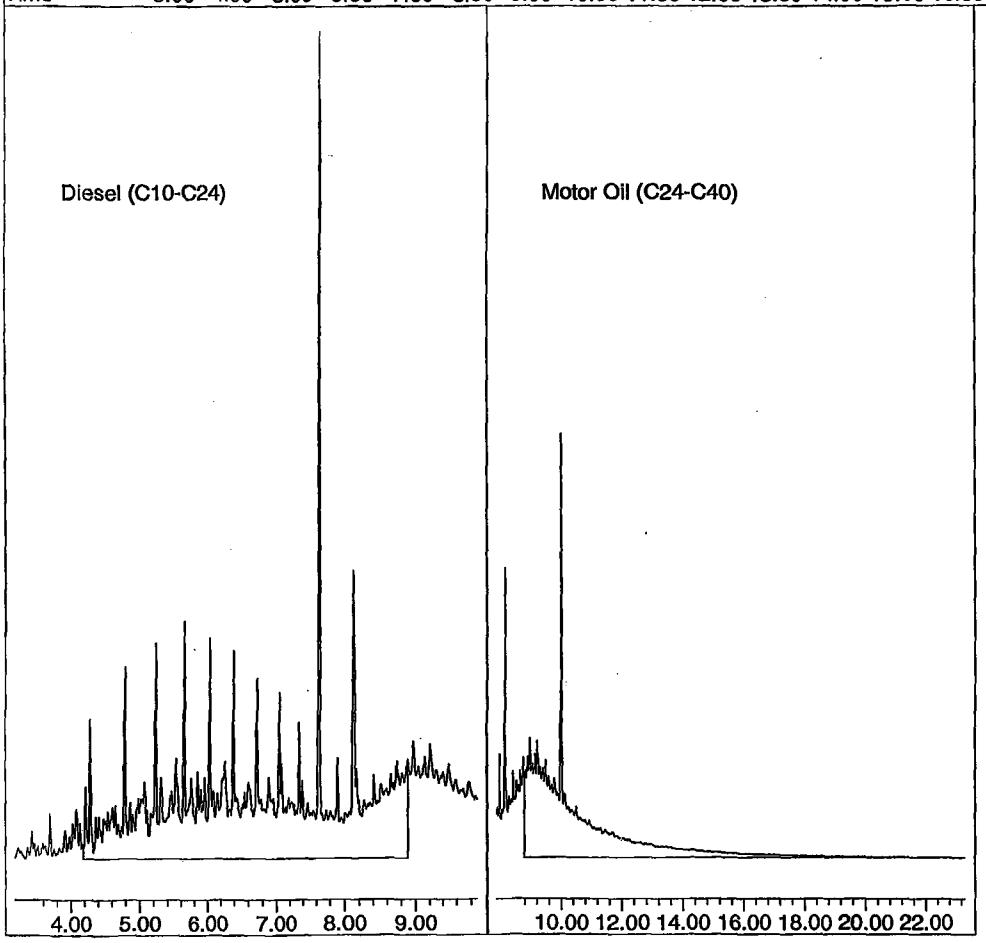
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

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

Target Compounds

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





Quantitation Report (Not Reviewed)

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

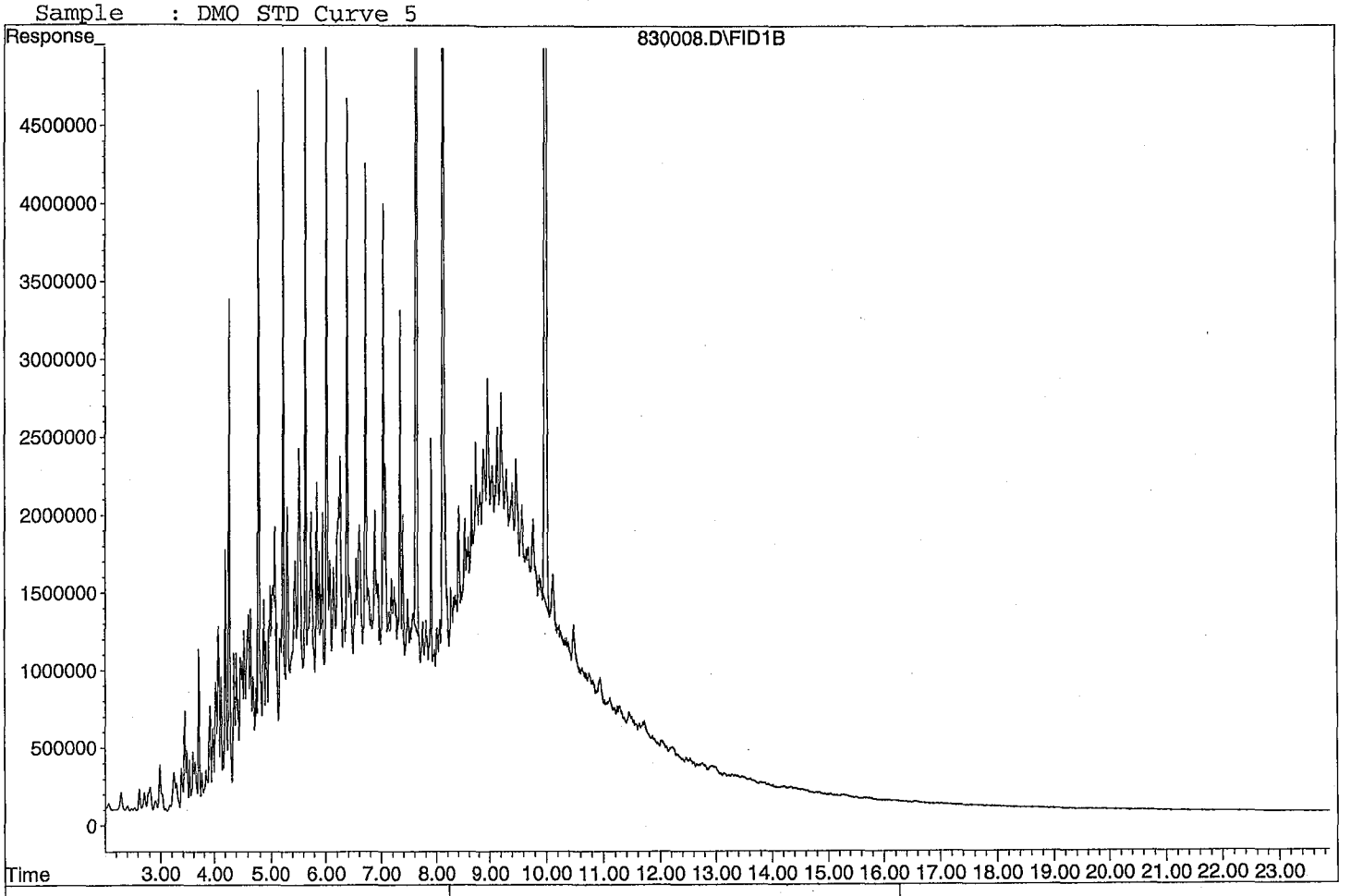
Method : G:\APOLLO\DATA\210830\DOC0830.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Tue Aug 31 09:20:02 2021
Response via : Multiple Level Calibration

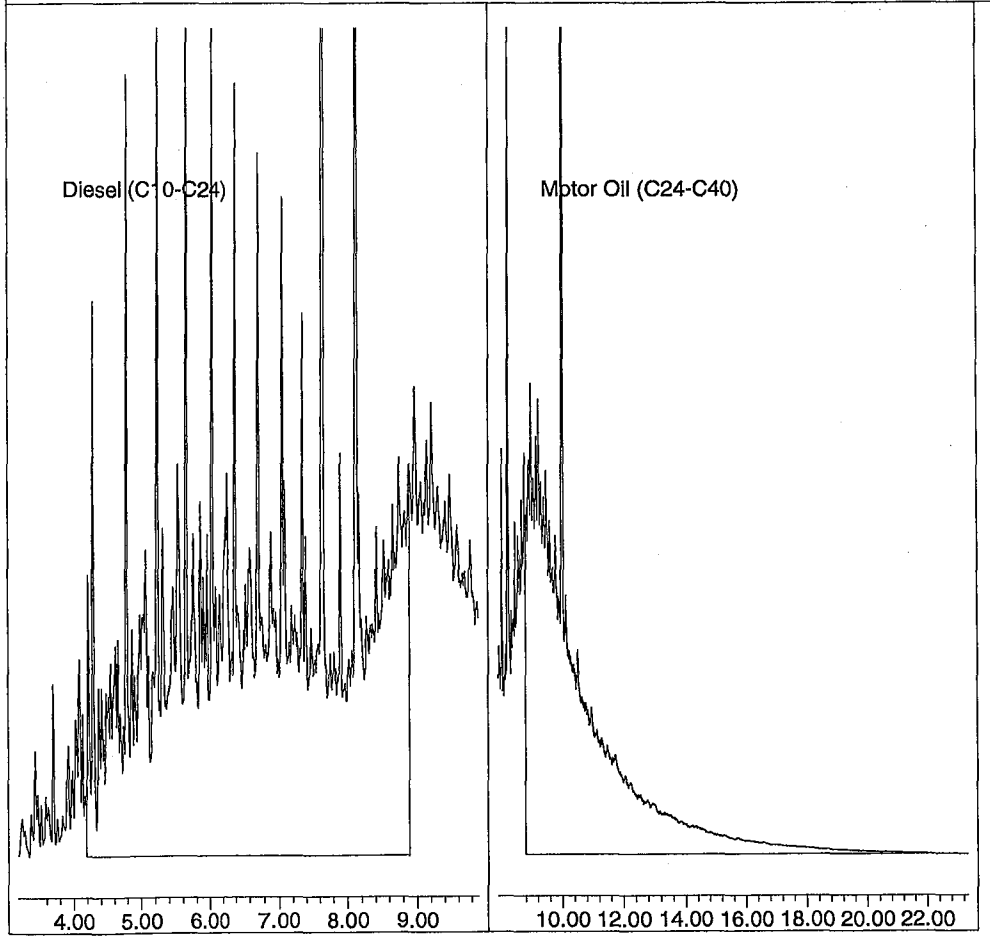
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

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

Target Compounds

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





Quantitation Report (Not Reviewed)

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

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

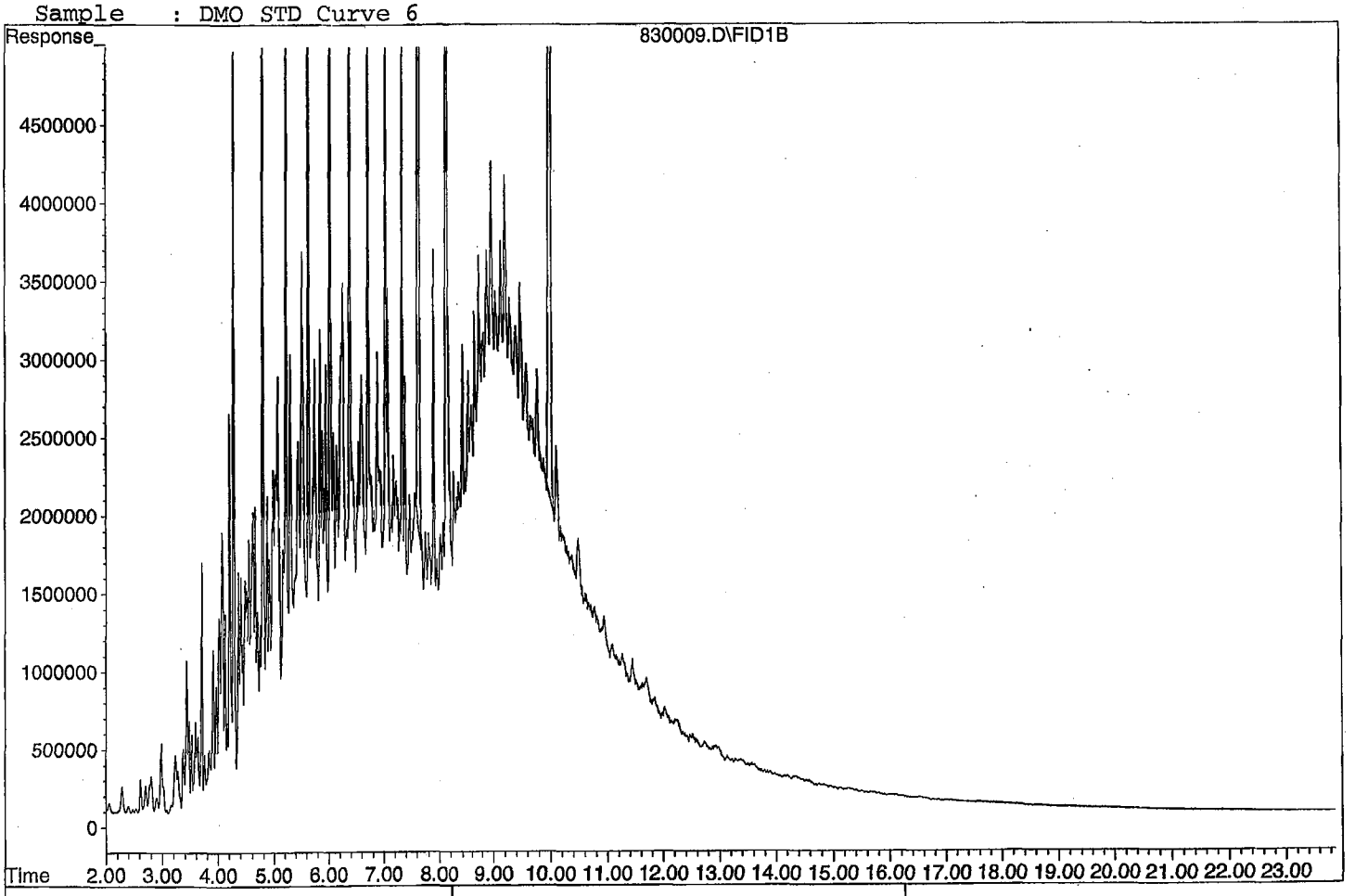
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

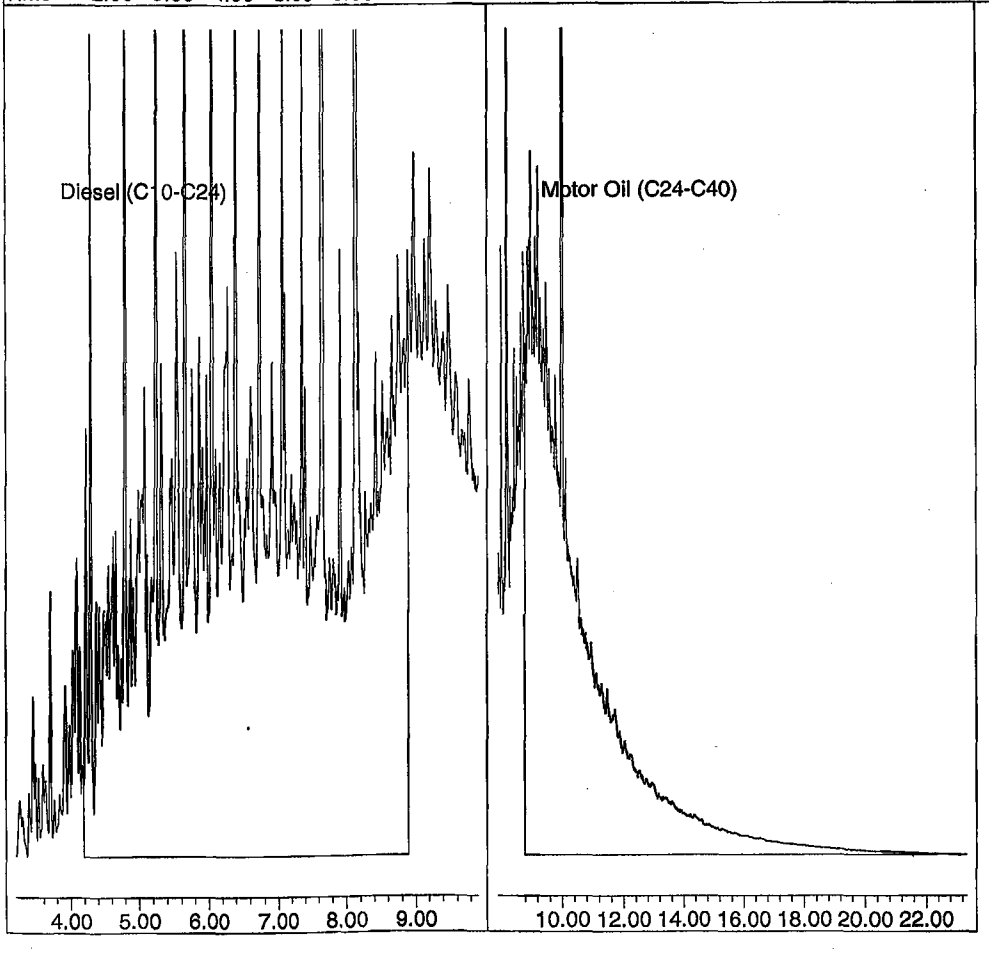
Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
3) SA Ortho-Terphenyl(S)	7.63	362896579	70.038	ppb
Surrogate Spike 30.000		Recovery =	233.46%	
4) SA Octacosane(S)	10.00	279638971	72.582	ppb
Surrogate Spike 30.000		Recovery =	241.94%	
Target Compounds				
1) HATM Diesel (C10-C24)	6.54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

Target Compounds

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

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





Quantitation Report (Not Reviewed)

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

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

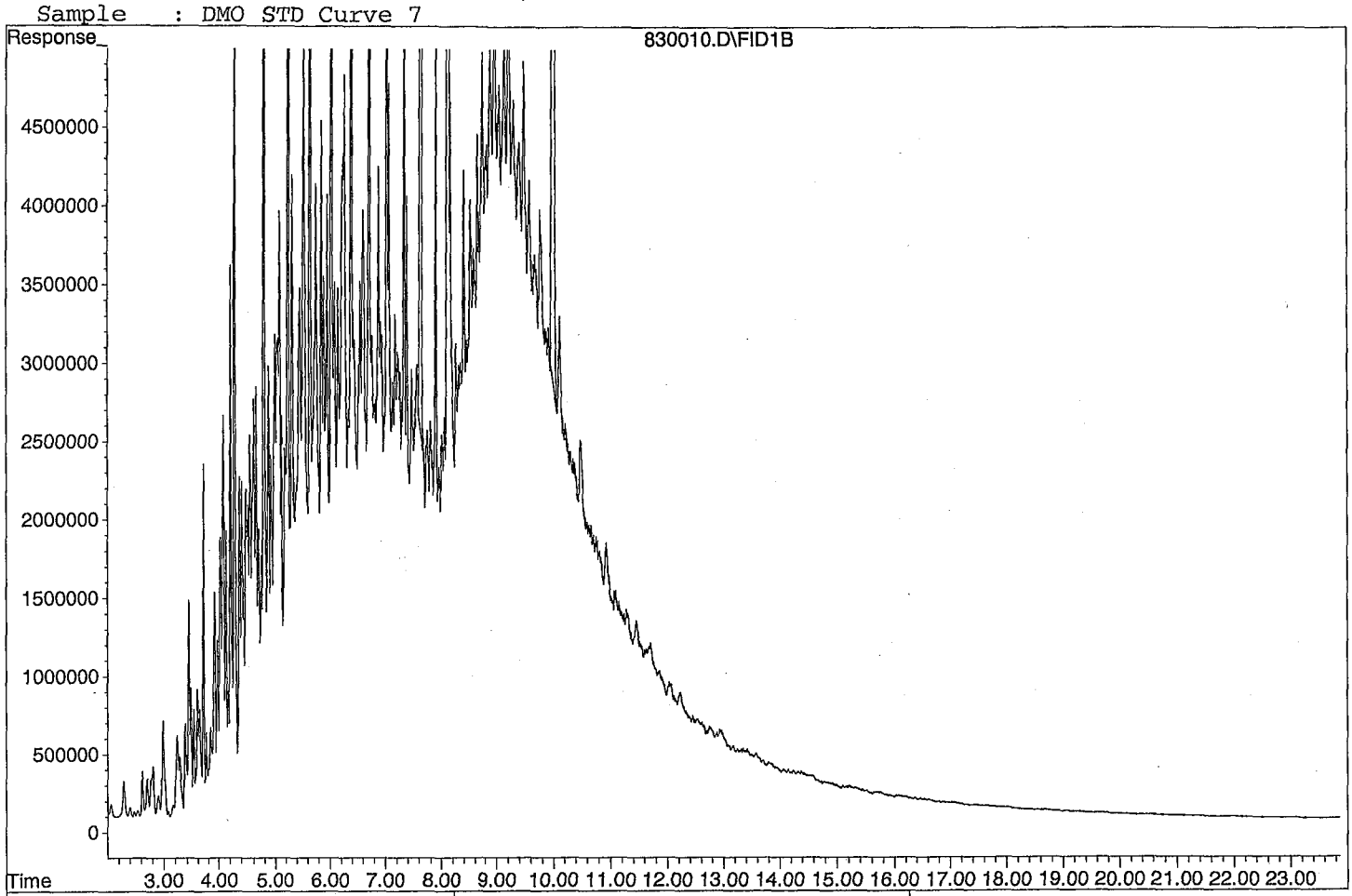
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

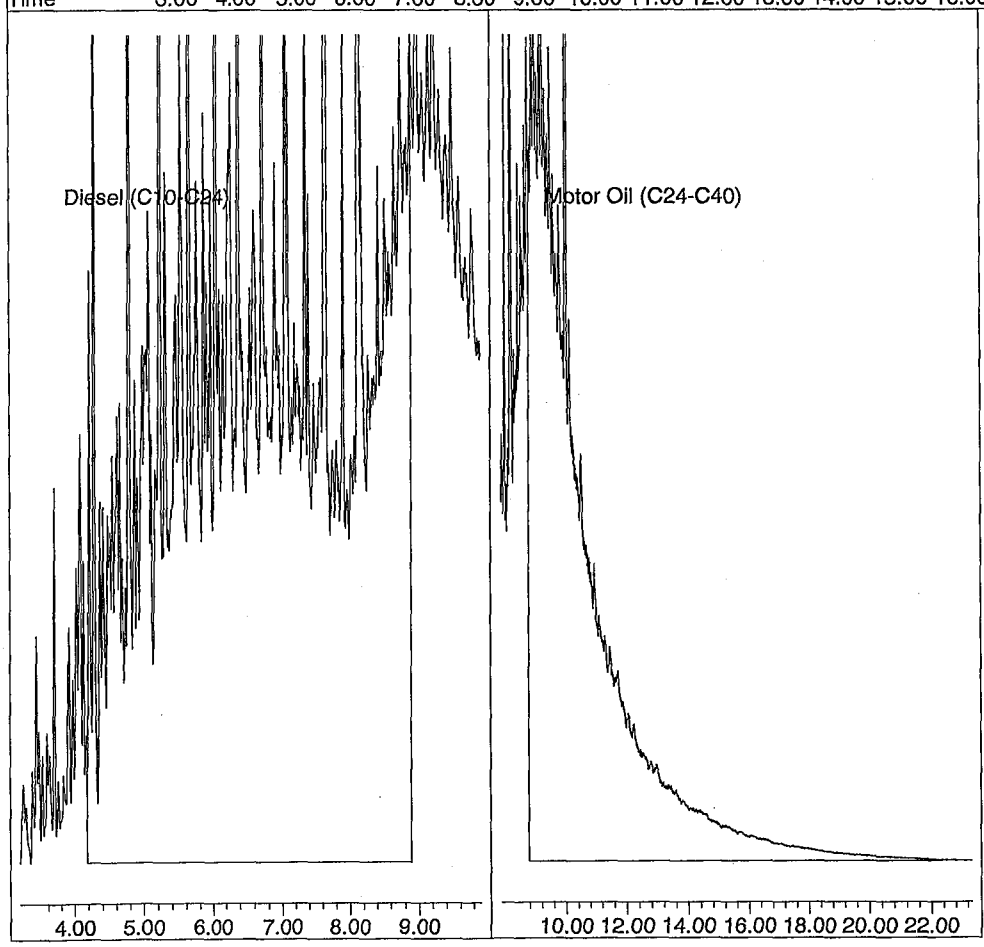
Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
3) SA Ortho-Terphenyl(S)	7.64	513272150	99.060	ppb
Surrogate Spike 30.000	Recovery =		330.20%	
4) SA Octacosane(S)	10.00	385350648	100.020	ppb
Surrogate Spike 30.000	Recovery =		333.40%	
Target Compounds				
1) HATM Diesel (C10-C24)	6.54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

Target Compounds

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

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





TPH Extractables
DOC0831

Form 7

Second Source Calibration

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

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

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

Quantitation Report (Not Reviewed)

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

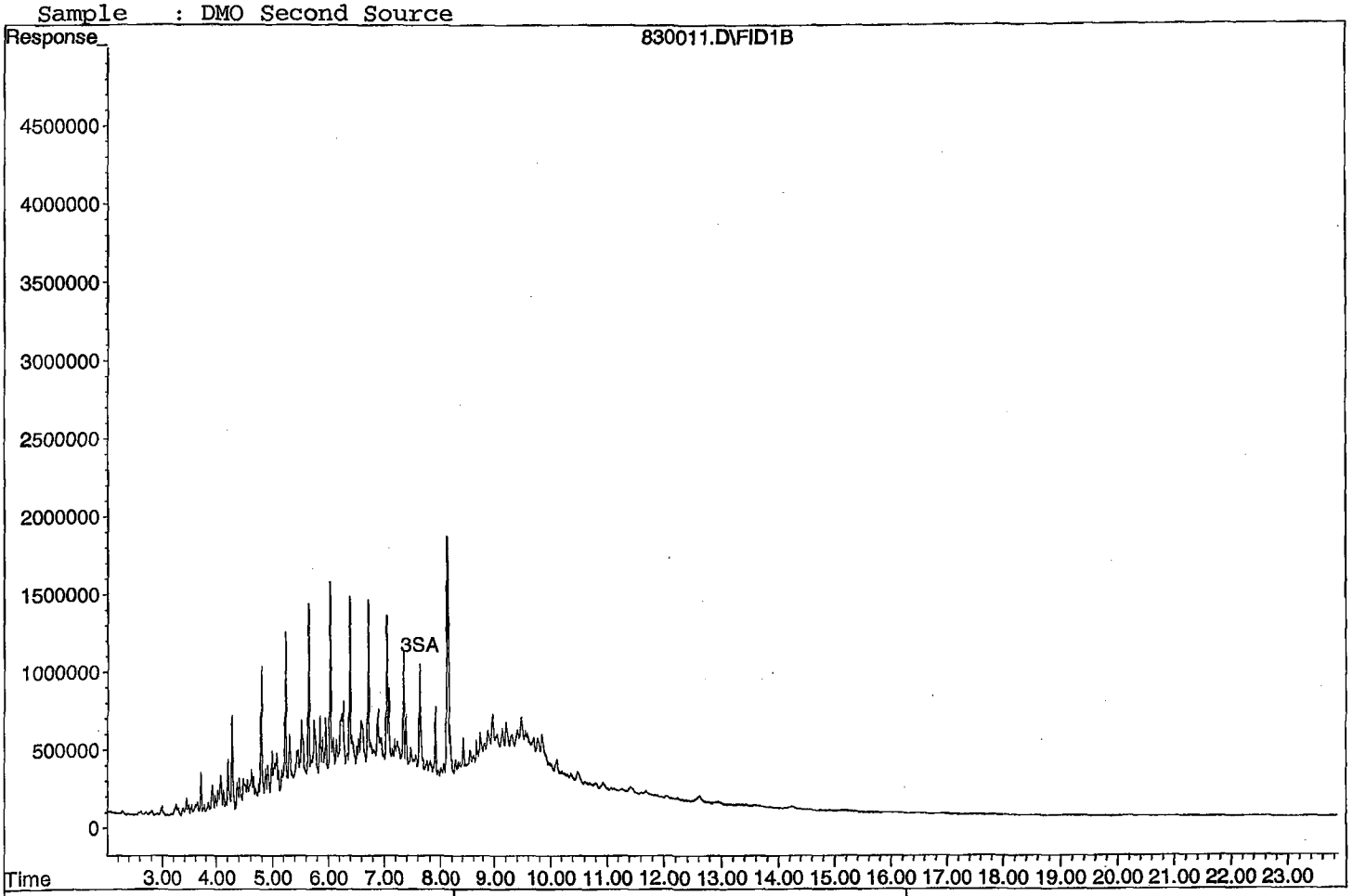
Method : G:\APOLLO\DATA\210830\DOC0830.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Tue Aug 31 09:20:02 2021
Response via : Multiple Level Calibration

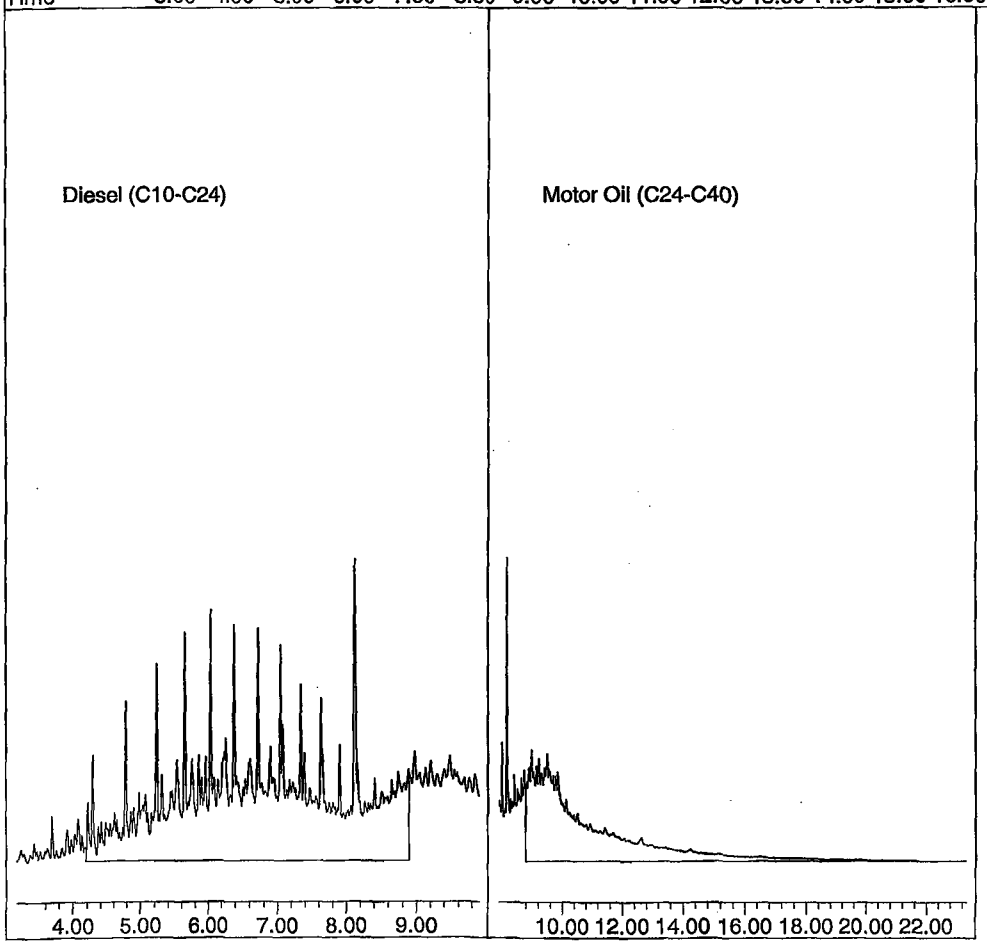
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

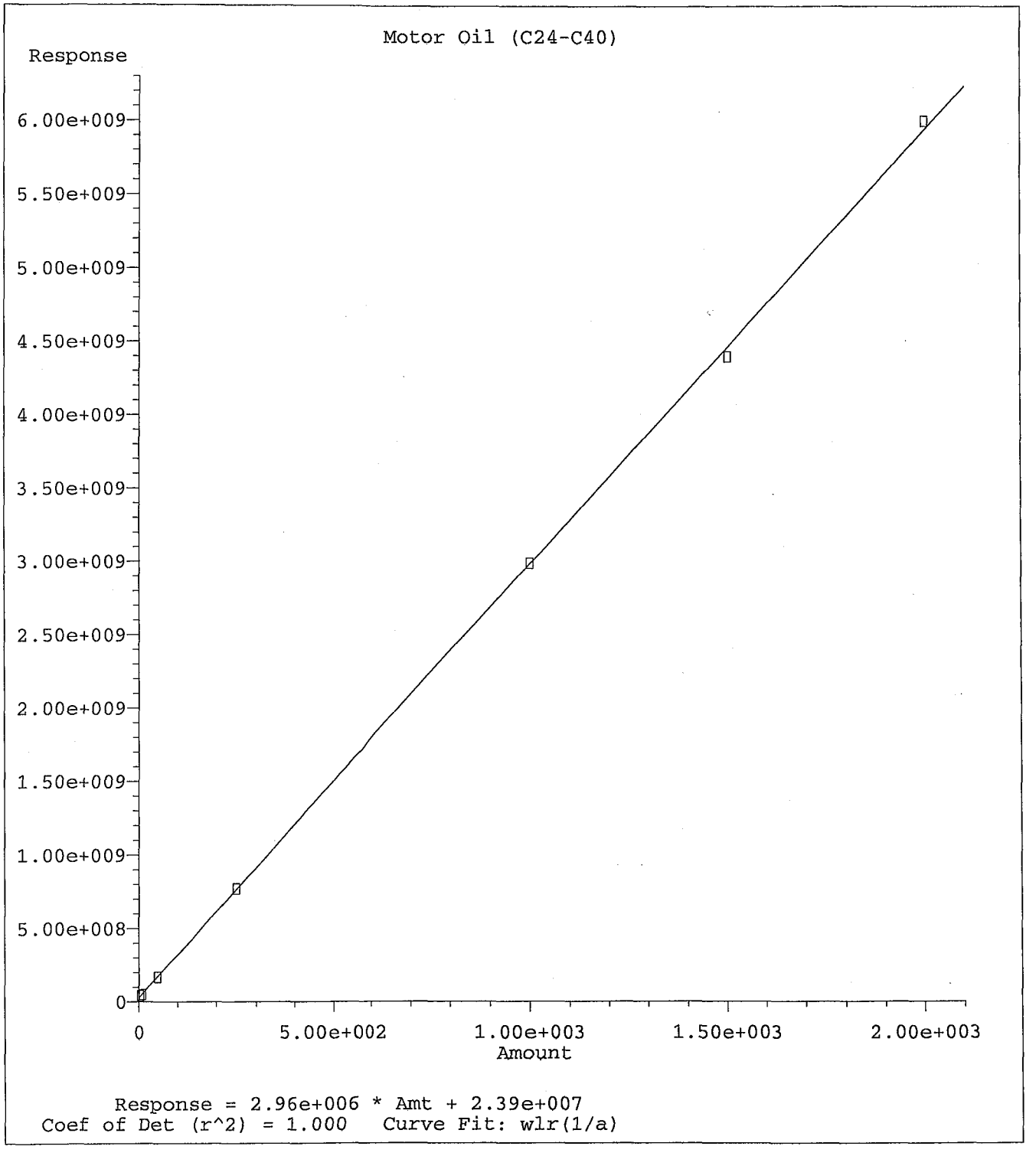
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.62	4475122	0.864 ppb
Surrogate Spike 30.000		Recovery =	2.88%
4) SA Octacosane(S)	9.98	-56148	N.D. ppb
Surrogate Spike 30.000		Recovery =	0.00%
Target Compounds			
1) HATM Diesel (C10-C24)	6.54	1110816428	275.009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

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

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







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

TPH Extractables
DOC0831

Form 7
Continuing Calibration

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

SDG No:
Date Analyzed: 10/8/2021
Instrument: Apollo
Initial Cal. Date: 8/30/2021
Data File: 1007020.D

		Compound	MEAN	CCRF	%D		%Drift
1	HATM	Diesel (C10-C24)	2019600	1905040	5.7	HATM	
2	HBTM	Motor Oil (C24-C40)	2035830	1349460	34	HBTML	12
3	SA	Ortho-Terphenyl(S)	2590720	2483140	4.2	SA	
4	SA	Octacosane(S)	1926380	1787860	7.2	SA	
5							
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37							
38							
39							
40							
		Average			12.8		

Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\211007\1007020.D Vial: 20
Acq On : 10-8-21 2:42:28 Operator: KA
Sample : Diesel Motor Oil CCV 10/6/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 8 8:58 2021 Quant Results File: DOC0830.RES

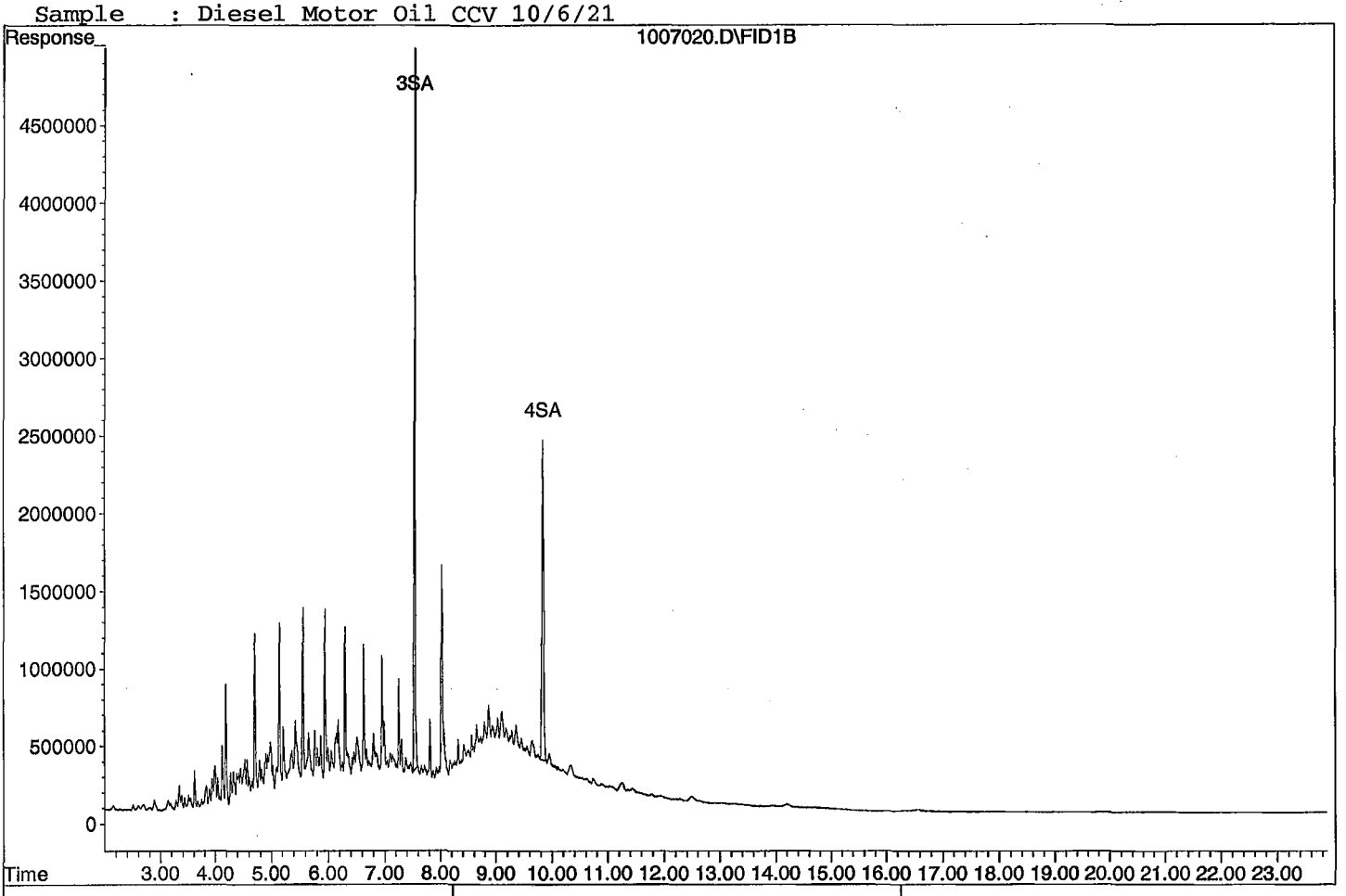
Method : G:\APOLLO\DATA\211007\DOC0830.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Mon Oct 11 17:41:08 2021
Response via : Multiple Level Calibration

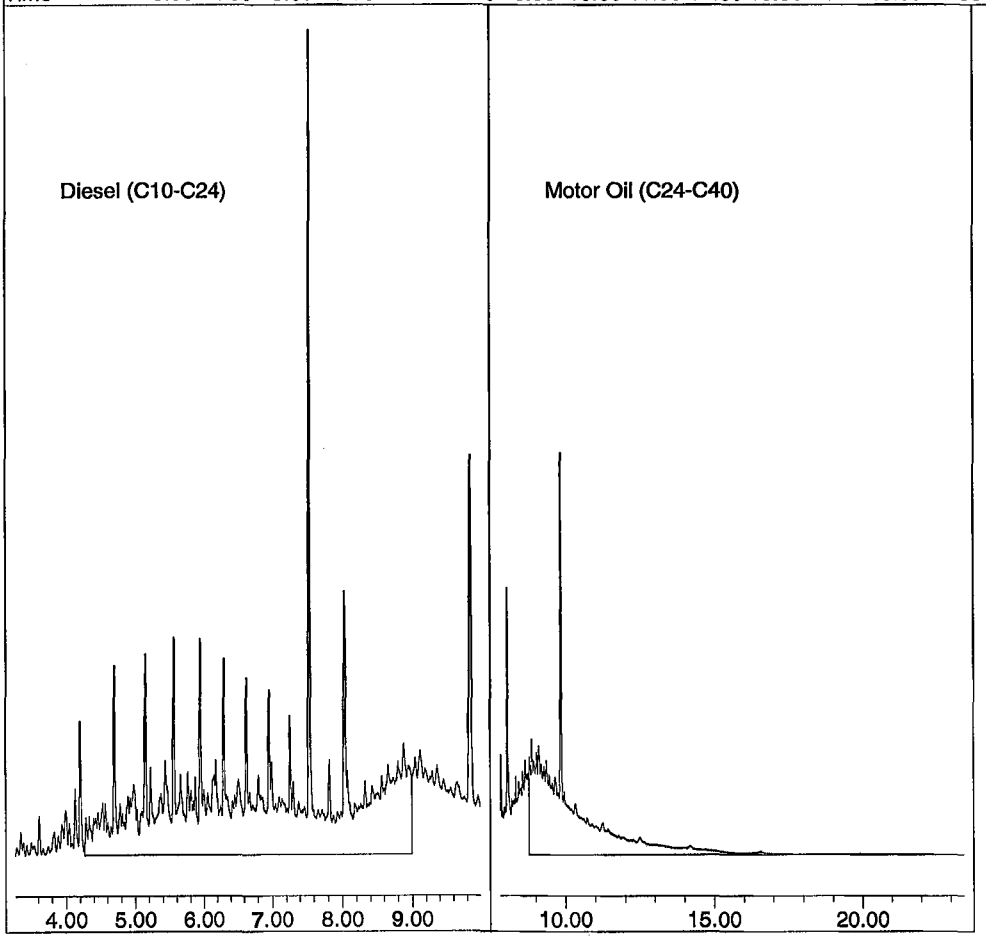
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.54	62078547	11.981 ppb
Surrogate Spike 30.000	Recovery =		39.94%
4) SA Octacosane(S)	9.85	44696582	11.601 ppb
Surrogate Spike 30.000	Recovery =		38.67%
Target Compounds			
1) HATM Diesel (C10-C24)	6.63	952519554	235.819 ppb
2) HBTM Motor Oil (C24-C40)	15.62	674729826	219.987 ppb
Target Compounds			

Quantitation Report

Data File: G:\APOLLO\DATA\211007\1007020.D
Sample : Diesel Motor Oil CCV 10/6/21





TPH Extractables
DOC0831

Form 7
Continuing Calibration

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

SDG No:
Date Analyzed: 10/8/2021
Instrument: Apollo
Initial Cal. Date: 8/30/2021
Data File: 1007036.D

		Compound	MEAN	CCRF	%D	%Drift	
1	HATM	Diesel (C10-C24)	2019600	1940070	3.9	HATM	
2	HBTM	Motor Oil (C24-C40)	2035830	1426030	30	HBTML	6.8
3	SA	Ortho-Terphenyl(S)	2590720	2540740	1.9	SA	
4	SA	Octacosane(S)	1926380	1811530	6.0	SA	
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40							
		Average			10.5		

Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\211007\1007036.D Vial: 36
Acq On : 10-8-21 10:12:13 Operator: KA
Sample : Diesel Motor Oil CCV 10/6/21 Inst : Apollo
Misc : Water Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 8 11:33 2021 Quant Results File: DOC0830.RES

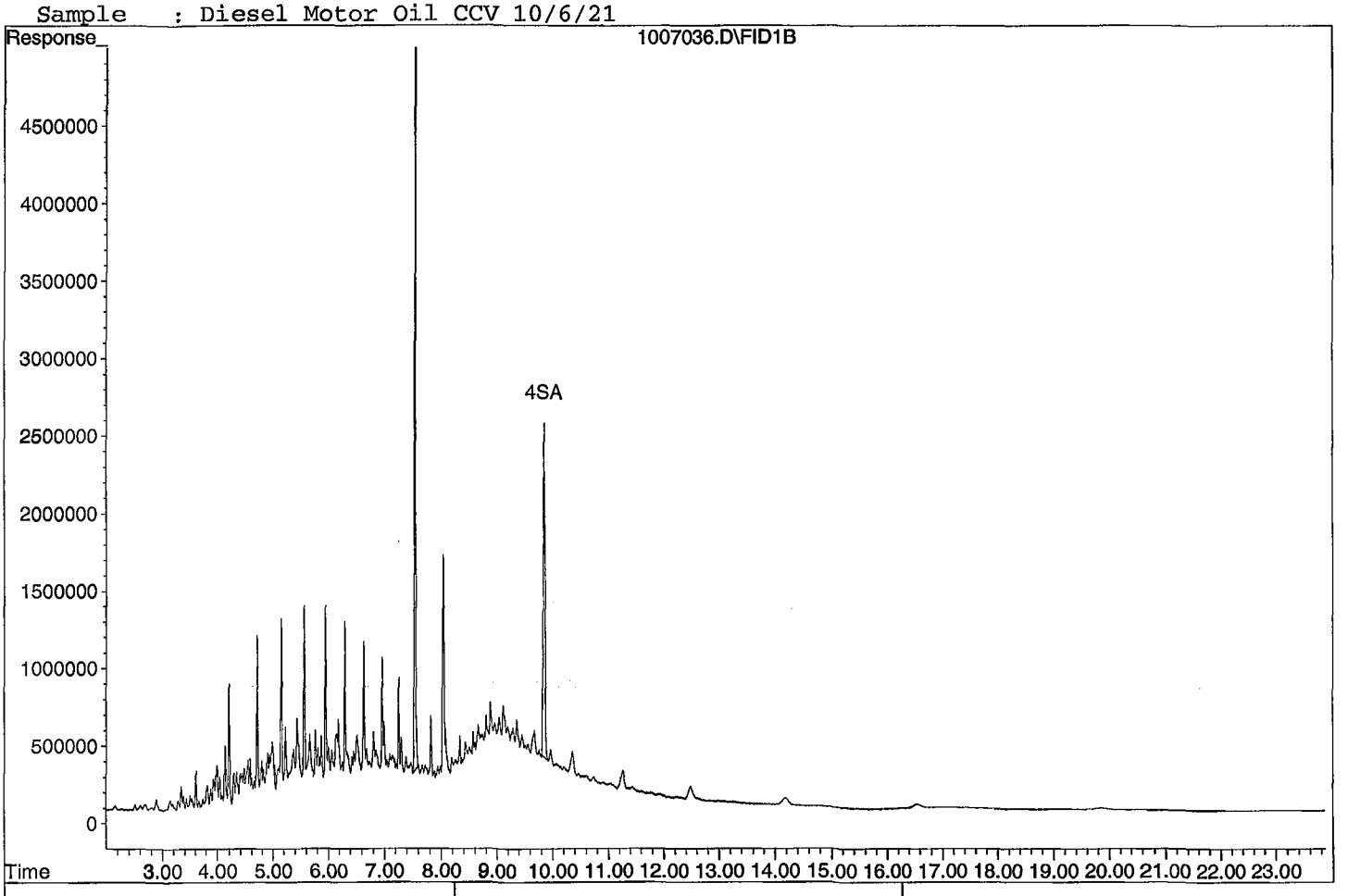
Method : G:\APOLLO\DATA\211007\DOC0830.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Mon Oct 11 17:41:08 2021
Response via : Multiple Level Calibration

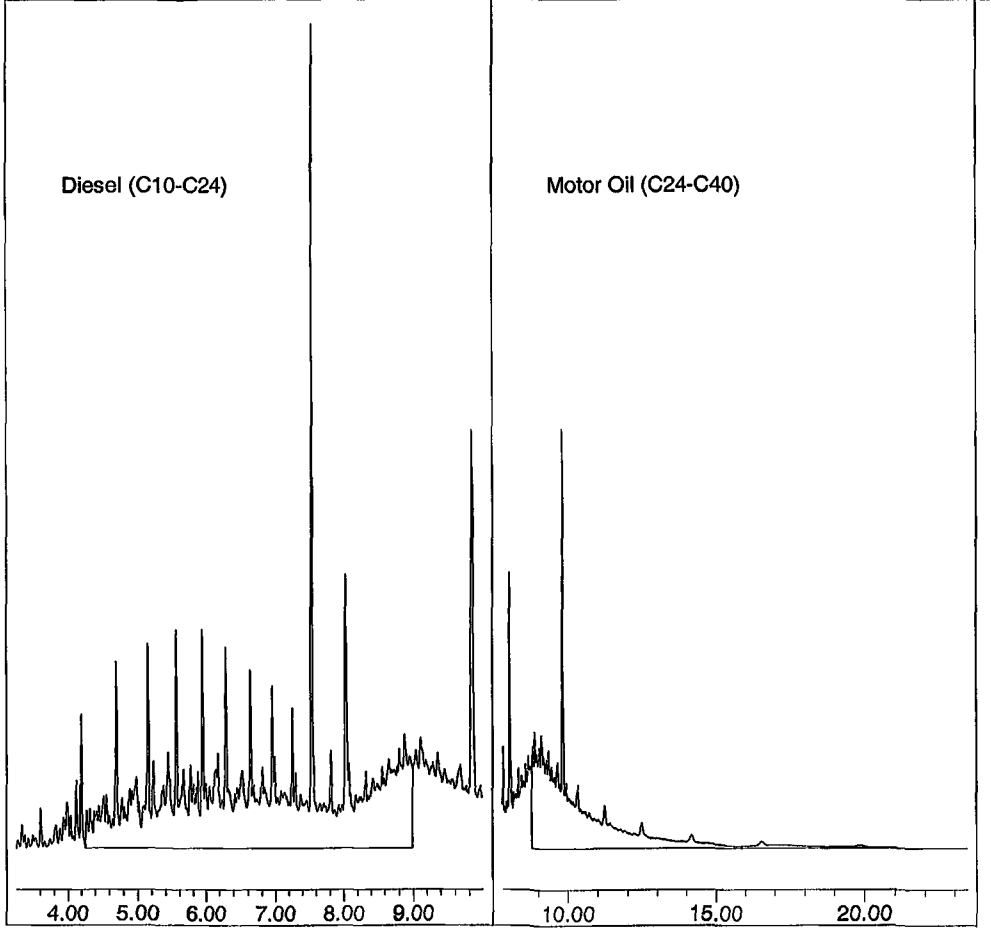
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.54	63518573	12.259 ppb
Surrogate Spike 30.000	Recovery =		40.86%
4) SA Octacosane(S)	9.84	45288193	11.755 ppb
Surrogate Spike 30.000	Recovery =		39.18%
Target Compounds			
1) HATM Diesel (C10-C24)	6.63	970035746	240.156 ppb
2) HBTM Motor Oil (C24-C40)	15.62	713015883	232.928 ppb

Target Compounds

Data File: G:\APOLLO\DATA\211007\1007036.D
Sample : Diesel Motor Oil CCV 10/6/21





ORGANICS
Raw Data

Quantitation Report (QT Reviewed)

Data File : G:\APOLLO\DATA\211007\1007030.D Vial: 30
Acq On : 10-8-21 7:23:48 Operator: KA
Sample : BA42228W10 5/1030 Inst : Apollo
Misc : water Multiplr: 4.85
IntFile : events.e
Quant Time: Oct 8 16:33 2021 Quant Results File: DOC0830.RES

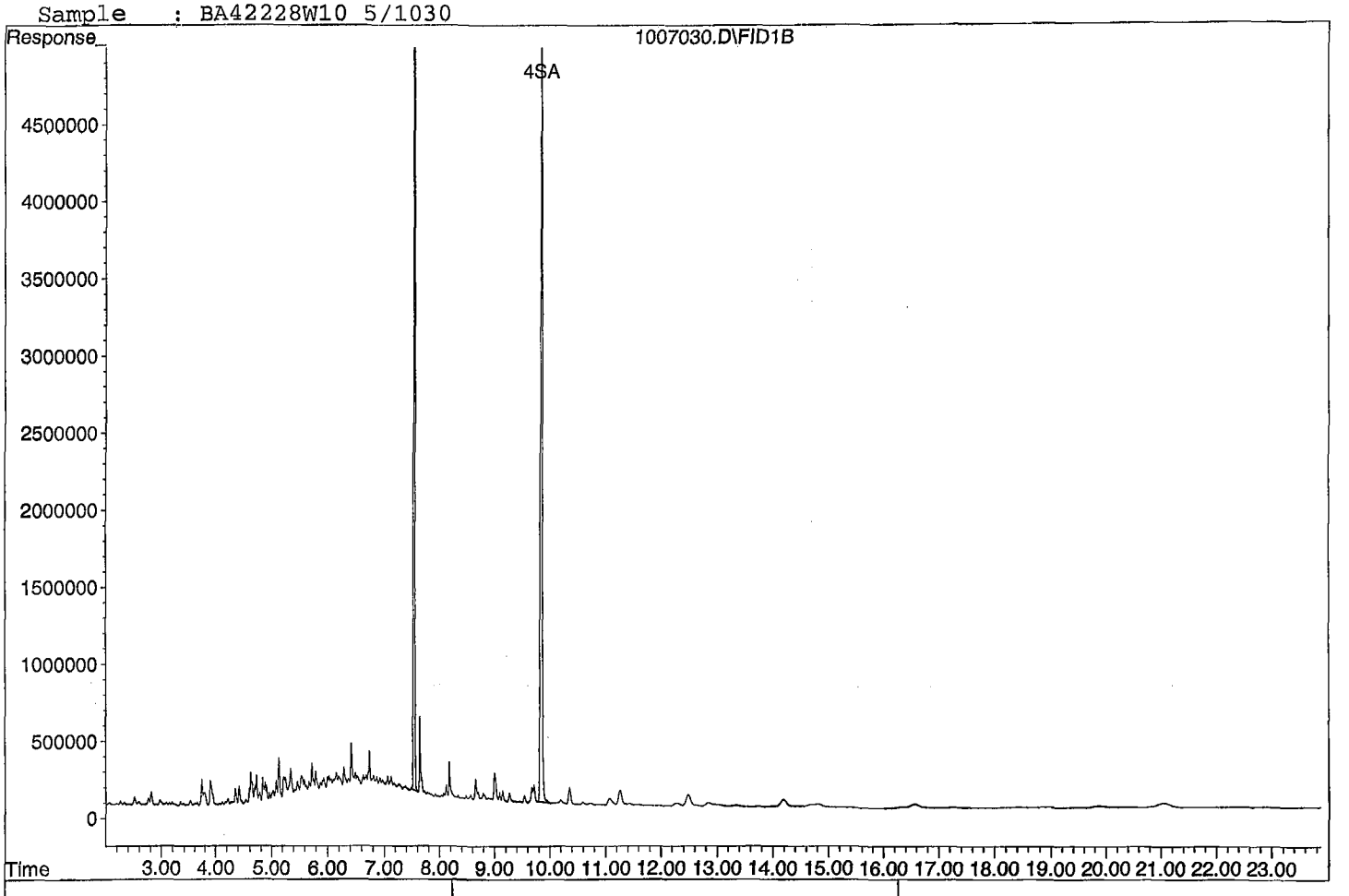
Method : G:\APOLLO\DATA\211007\DOC0830.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Mon Oct 11 17:41:08 2021
Response via : Multiple Level Calibration

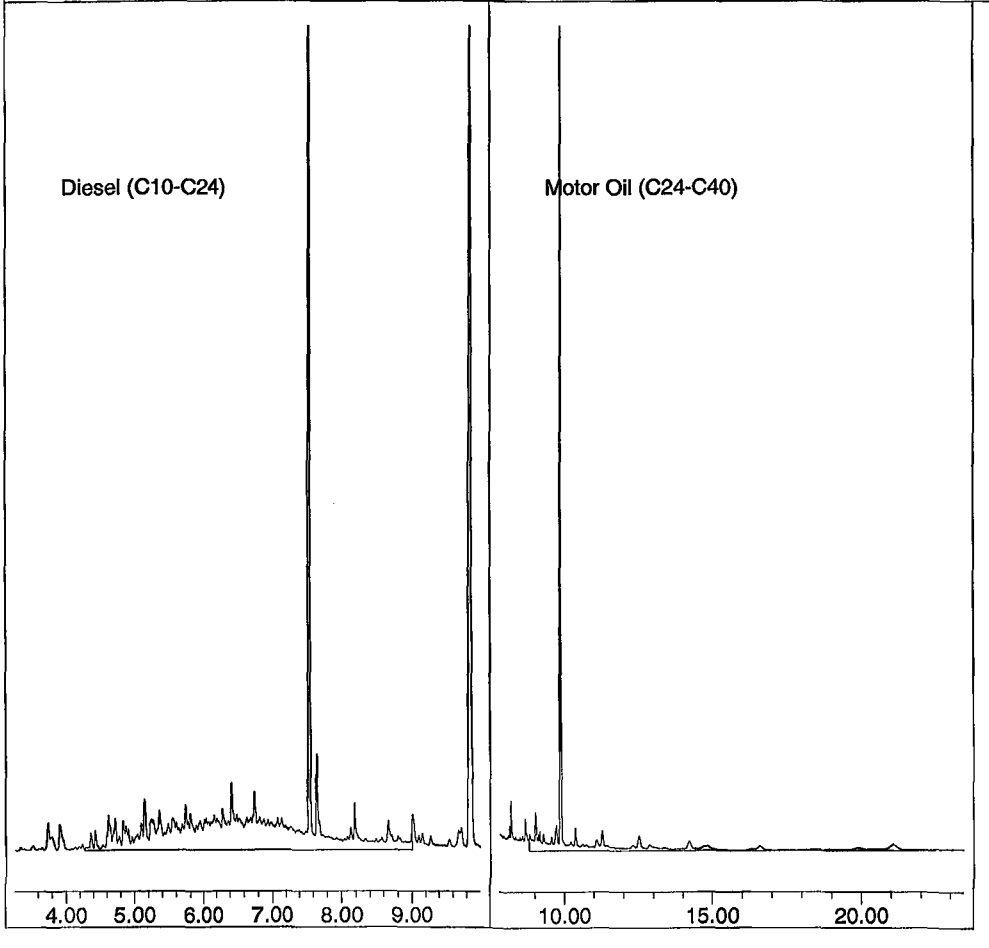
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.54	123648828	115.844 ppb
Surrogate Spike 145.631		Recovery =	79.55%
4) SA Octacosane(S)	9.85	111240967	140.161 ppb
Surrogate Spike 145.631		Recovery =	96.24%
Target Compounds			
1) HATM Diesel (C10-C24)	6.63	330894131	397.674 ppb
2) HBTM Motor Oil (C24-C40)	15.62	164871435	231.324 ppb

Target Compounds

Data File: G:\APOLLO\DATA\211007\1007030.D
Sample : BA42228W10 5/1030





Quantitation Report (QT Reviewed)

Data File : G:\APOLLO\DATA\211007\1007031.D Vial: 31
Acq On : 10-8-21 7:51:52 Operator: KA
Sample : BA42229W10 5/1030 Inst : Apollo
Misc : water Multiplr: 4.85
IntFile : events.e
Quant Time: Oct 8 16:34 2021 Quant Results File: DOC0830.RES

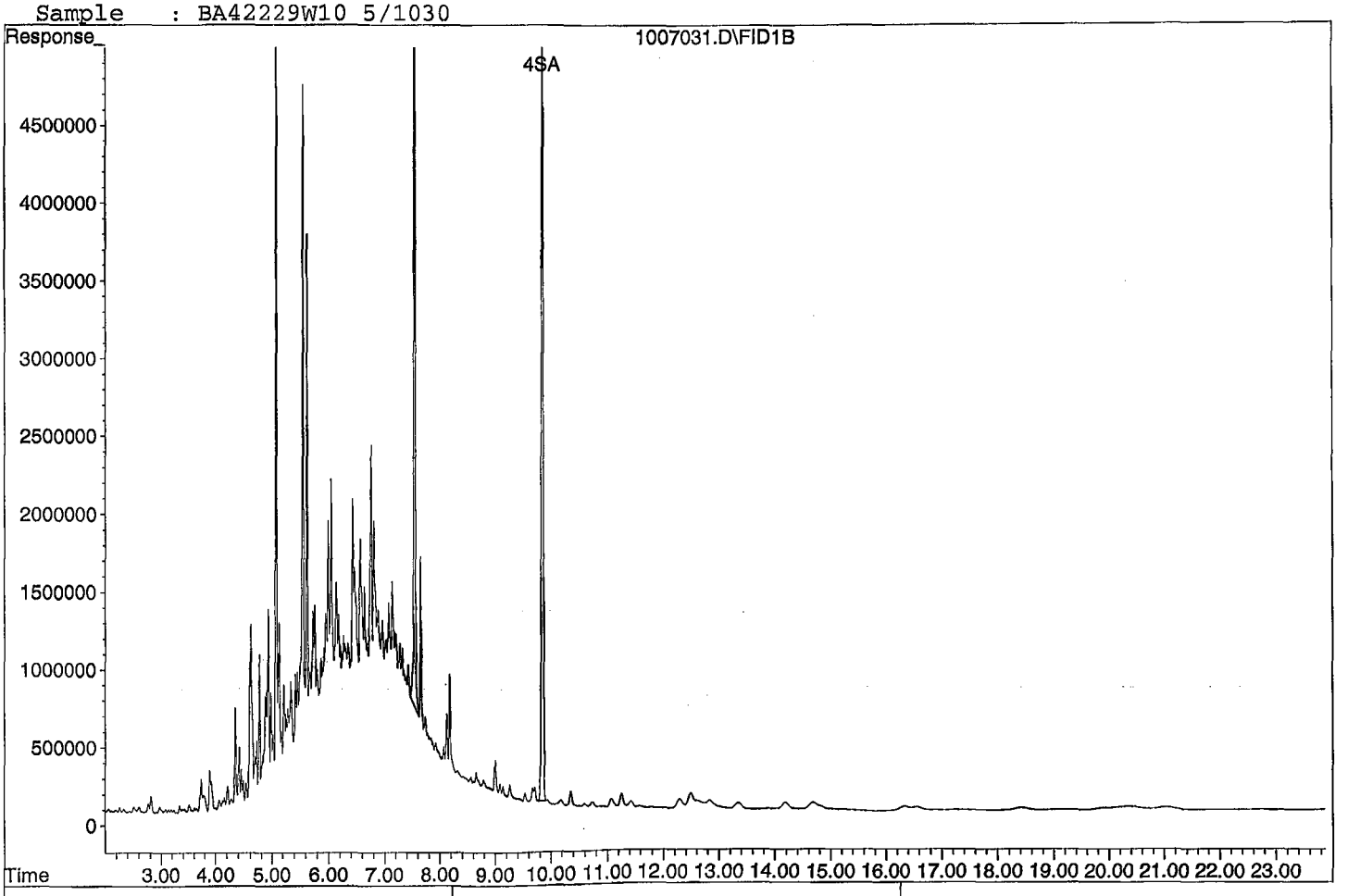
Method : G:\APOLLO\DATA\211007\DOC0830.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Mon Oct 11 17:41:08 2021
Response via : Multiple Level Calibration

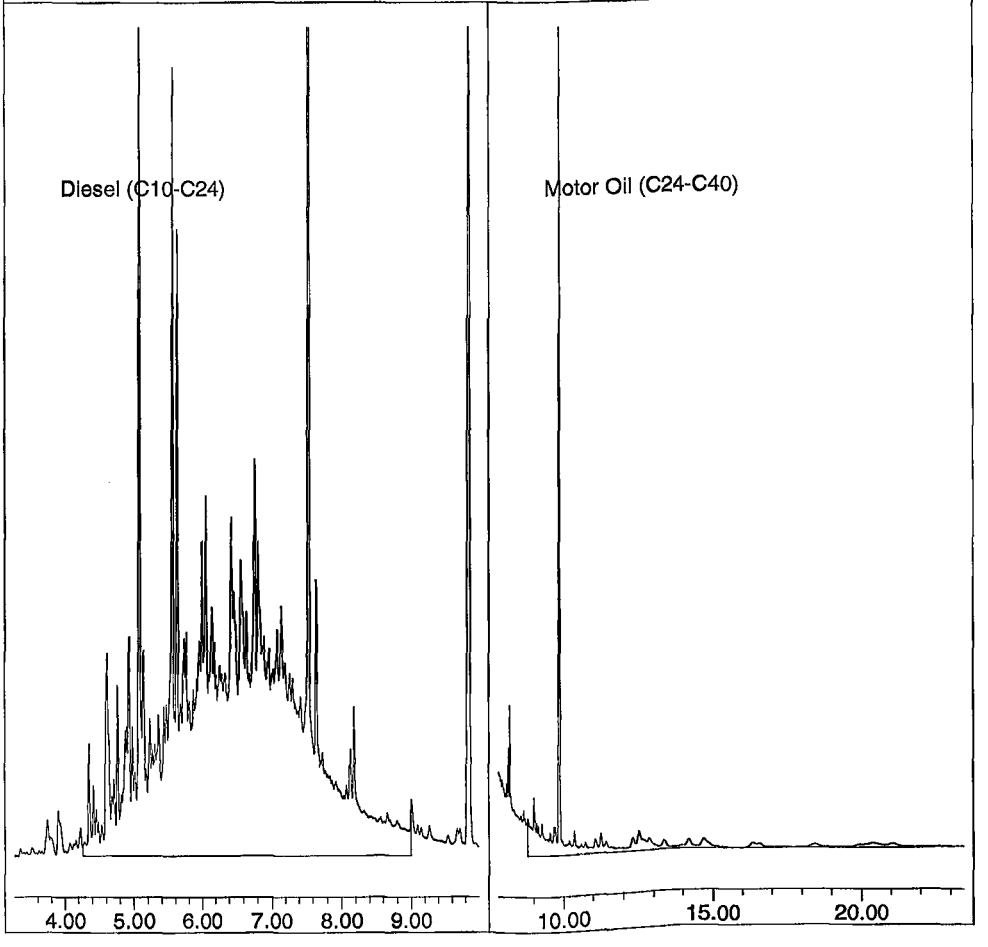
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.54	134781271	126.274 ppb
Surrogate Spike 145.631		Recovery =	86.71%
4) SA Octacosane(S)	9.85	115536183	145.573 ppb
Surrogate Spike 145.631		Recovery =	99.96%
Target Compounds			
1) HATM Diesel (C10-C24)	6.63	2188059090	2629.646 ppb
2) HBTM Motor Oil (C24-C40)	15.62	263661852	393.419 ppb

Target Compounds

Data File: G:\APOLLO\DATA\211007\1007031.D
Sample : BA42229W10 5/1030





Quantitation Report (QT Reviewed)

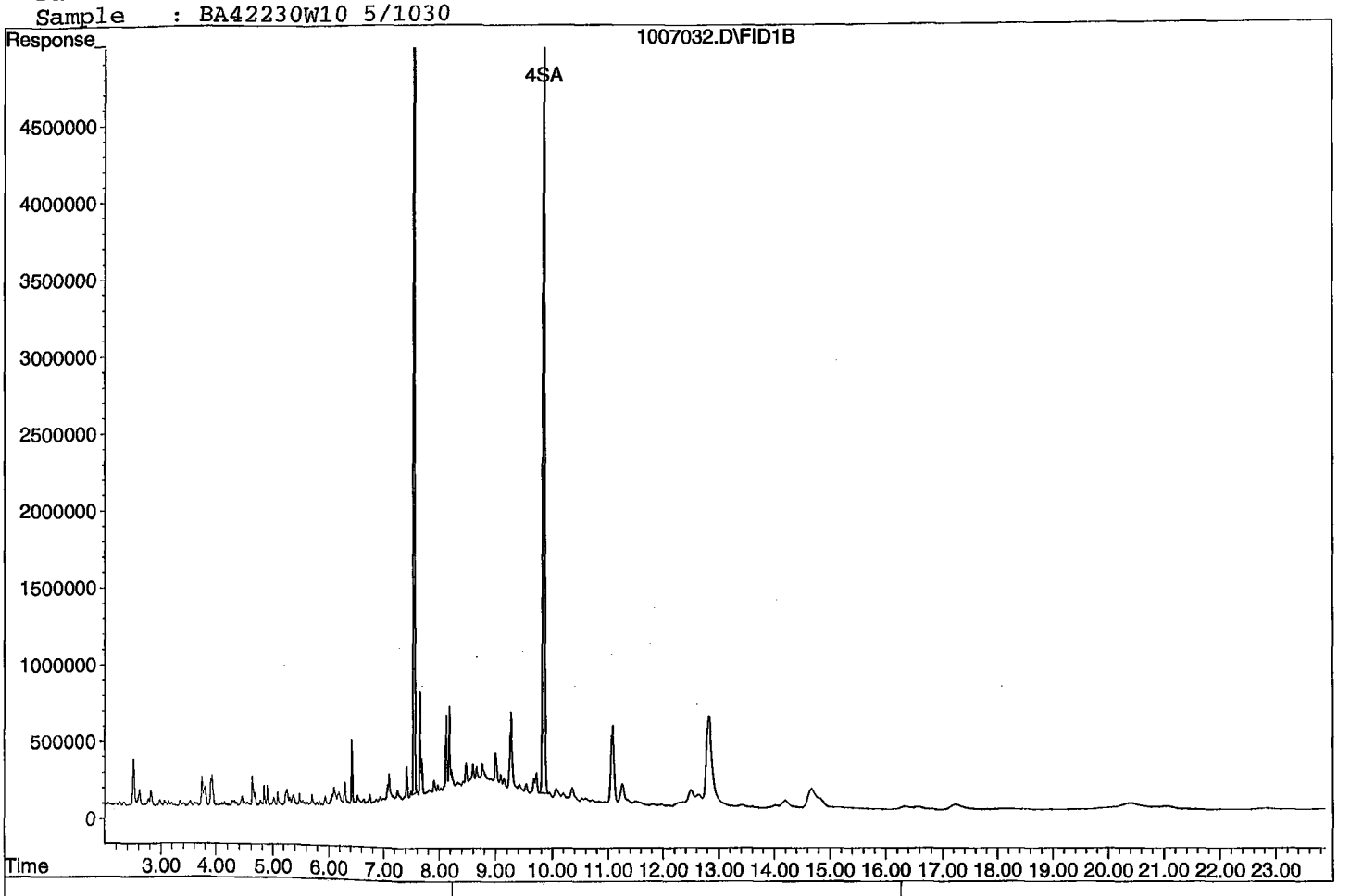
Data File : G:\APOLLO\DATA\211007\1007032.D Vial: 32
Acq On : 10-8-21 8:19:56 Operator: KA
Sample : BA42230W10 5/1030 Inst : Apollo
Misc : water Multiplr: 4.85
IntFile : events.e
Quant Time: Oct 8 16:35 2021 Quant Results File: DOC0830.RES

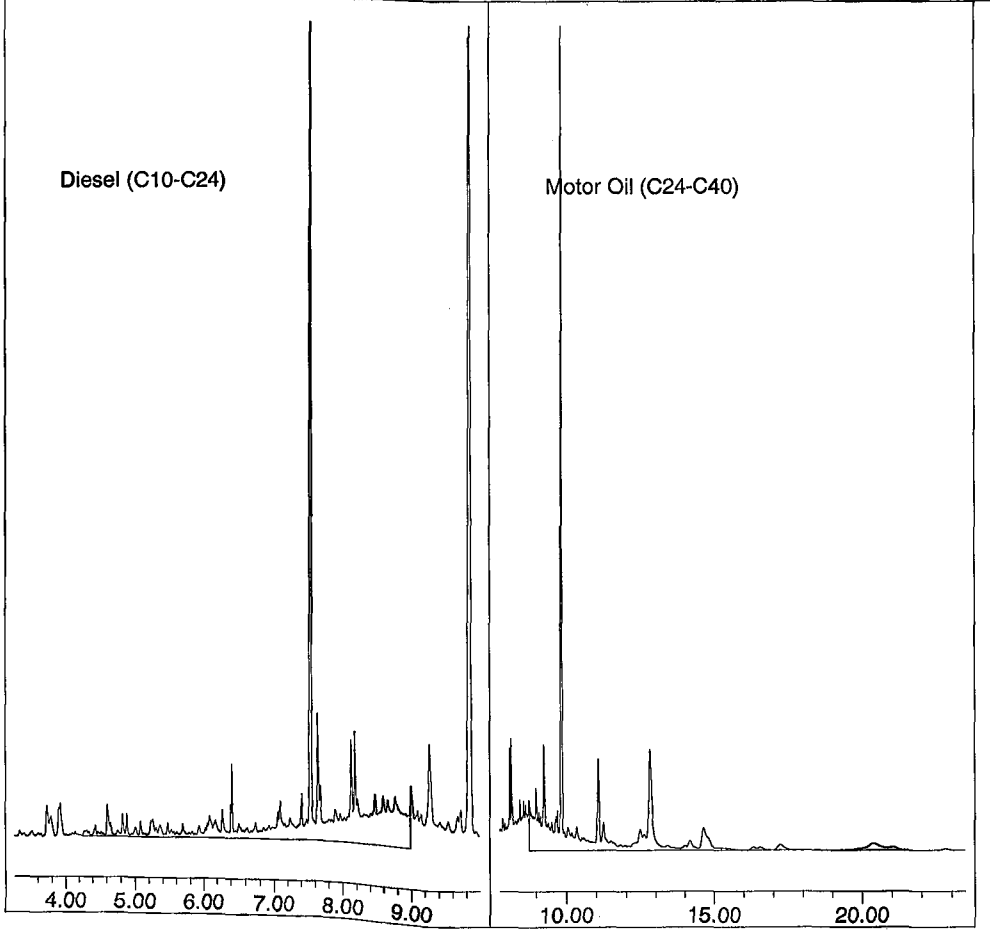
Method : G:\APOLLO\DATA\211007\DOC0830.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Mon Oct 11 17:41:08 2021
Response via : Multiple Level Calibration

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	119373860	111.839 ppb
Surrogate Spike 145.631		Recovery =	76.80%
4) SA Octacosane(S)	9.85	114947787	144.831 ppb
Surrogate Spike 145.631		Recovery =	99.45%
Target Compounds			
1) HATM Diesel (C10-C24)	6.63	288433556	346.644 ppb
2) HBTM Motor Oil (C24-C40)	15.62	372802774	572.497 ppb
Target Compounds			

Data File: G:\APOLLO\DATA\211007\1007032.D
Sample : BA42230W10 5/1030





Quantitation Report (QT Reviewed)

Data File : G:\APOLLO\DATA\211007\1007033.D Vial: 33
Acq On : 10-8-21 8:48:00 Operator: KA
Sample : BA42231W10 5/1020 Inst : Apollo
Misc : water Multiplr: 4.90
IntFile : events.e
Quant Time: Oct 8 16:35 2021 Quant Results File: DOC0830.RES

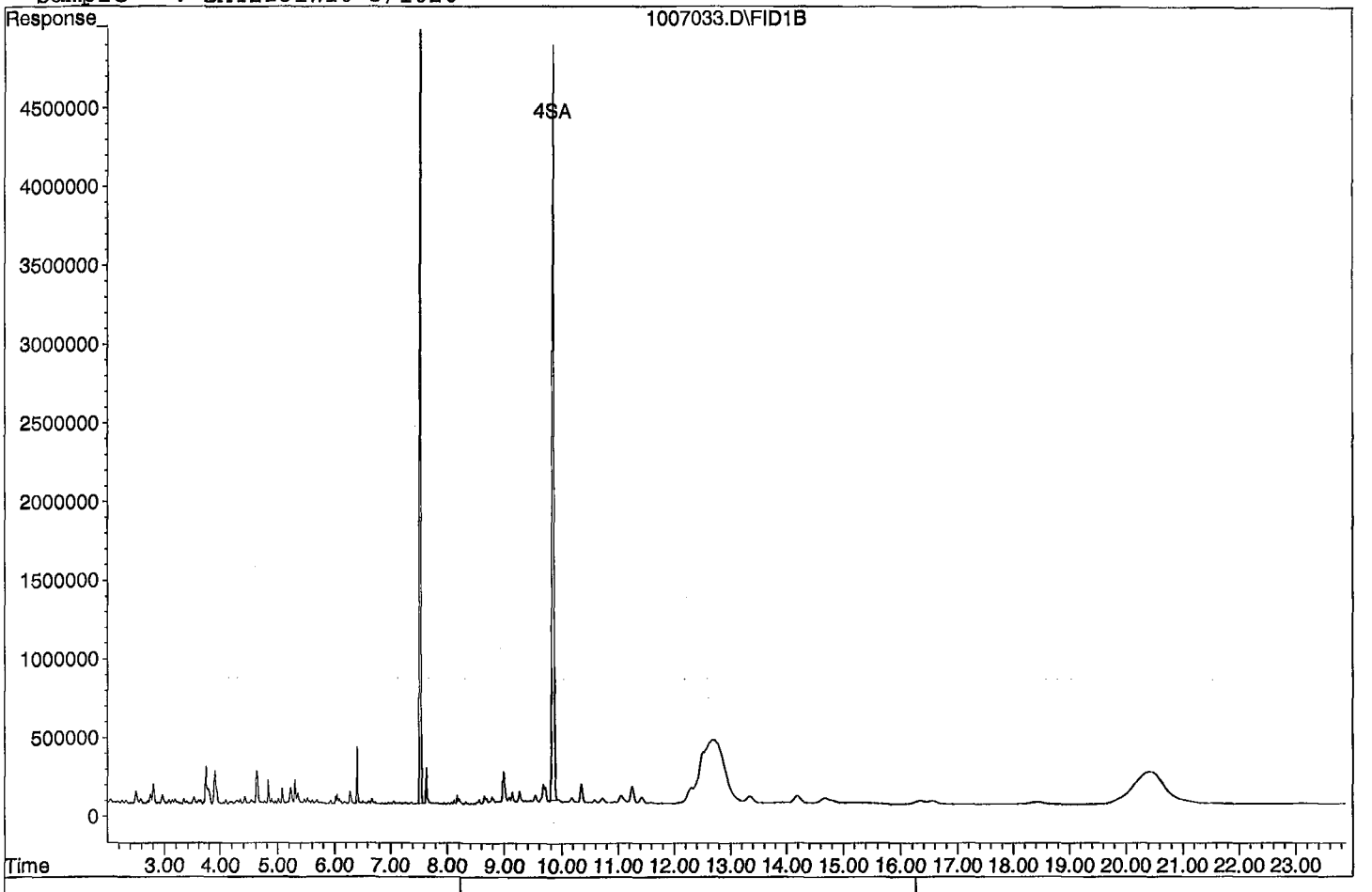
Method : G:\APOLLO\DATA\211007\DOC0830.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Mon Oct 11 17:41:08 2021
Response via : Multiple Level Calibration

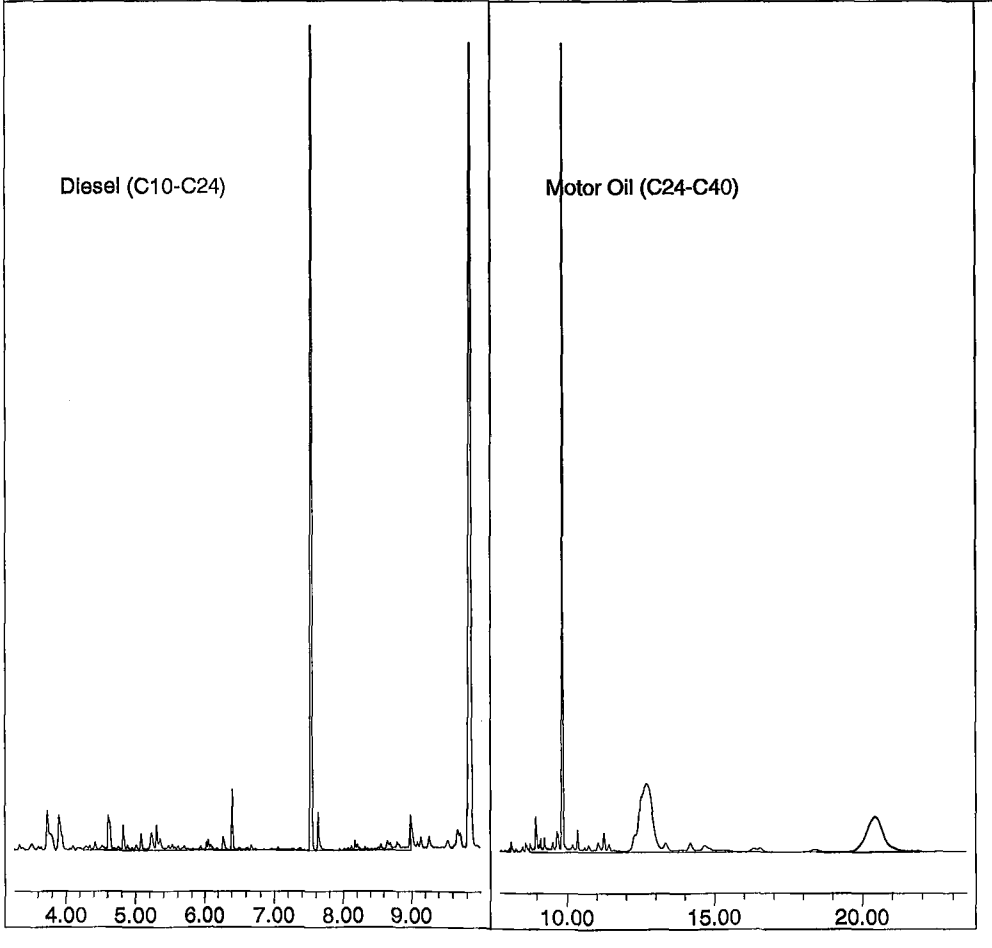
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.54	113376905	107.262 ppb
Surrogate Spike 147.059		Recovery =	72.94%
4) SA Octacosane(S)	9.85	101210189	128.772 ppb
Surrogate Spike 147.059		Recovery =	87.56%
Target Compounds			
1) HATM Diesel (C10-C24)	6.63	53683368	65.150 ppb
2) HBTM Motor Oil (C24-C40)	15.62	316995064	485.643 ppb
Target Compounds			

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

Data File: G:\APOLLO\DATA\211007\1007033.D
Sample : BA42231W10 5/1020





Quantitation Report (QT Reviewed)

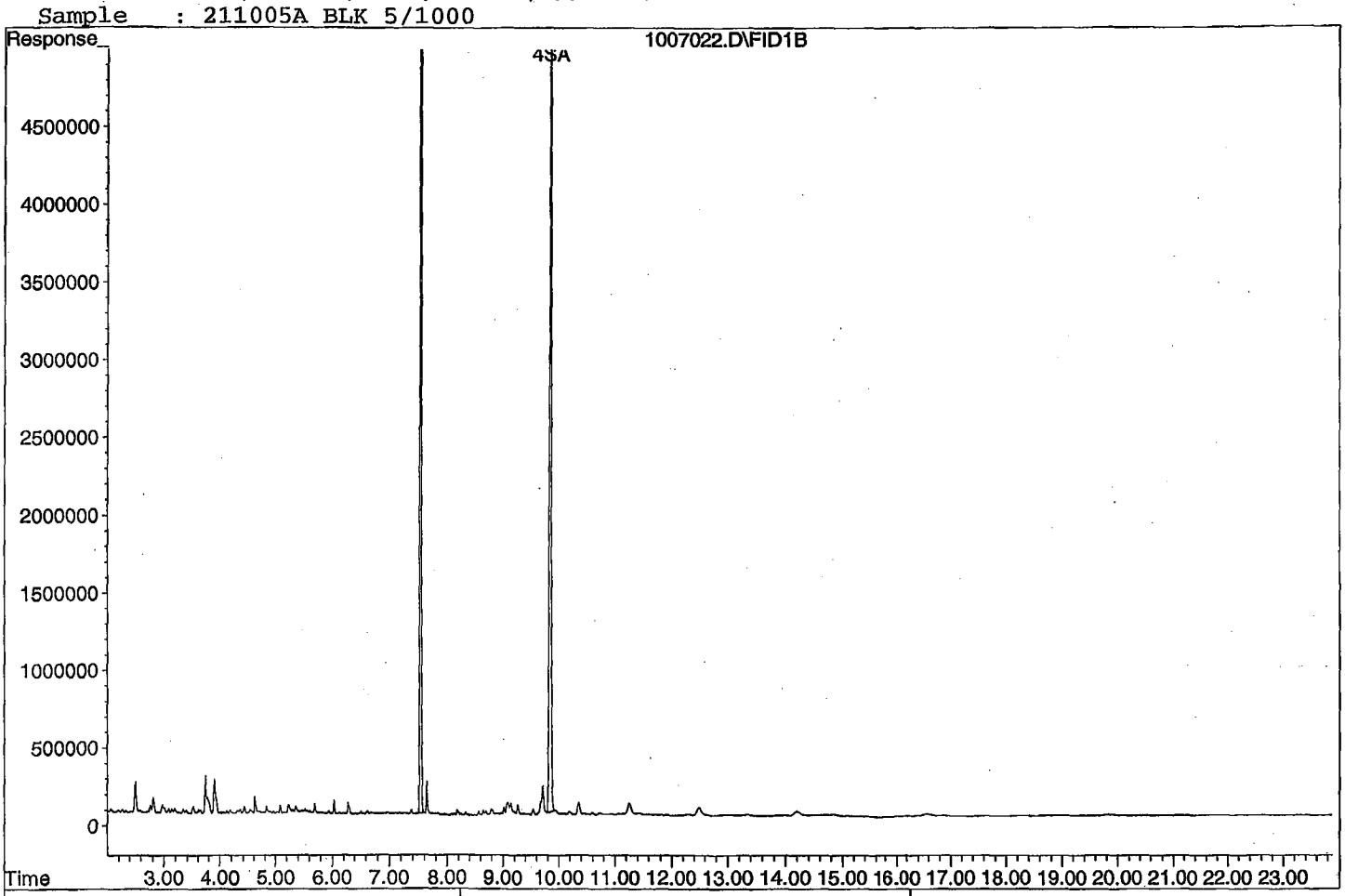
Data File : G:\APOLLO\DATA\211007\1007022.D Vial: 22
Acq On : 10-8-21 3:38:46 Operator: KA
Sample : 211005A BLK 5/1000 Inst : Apollo
Misc : water Multiplr: 5.00
IntFile : events.e
Quant Time: Oct 8 16:26 2021 Quant Results File: DOC0830.RES

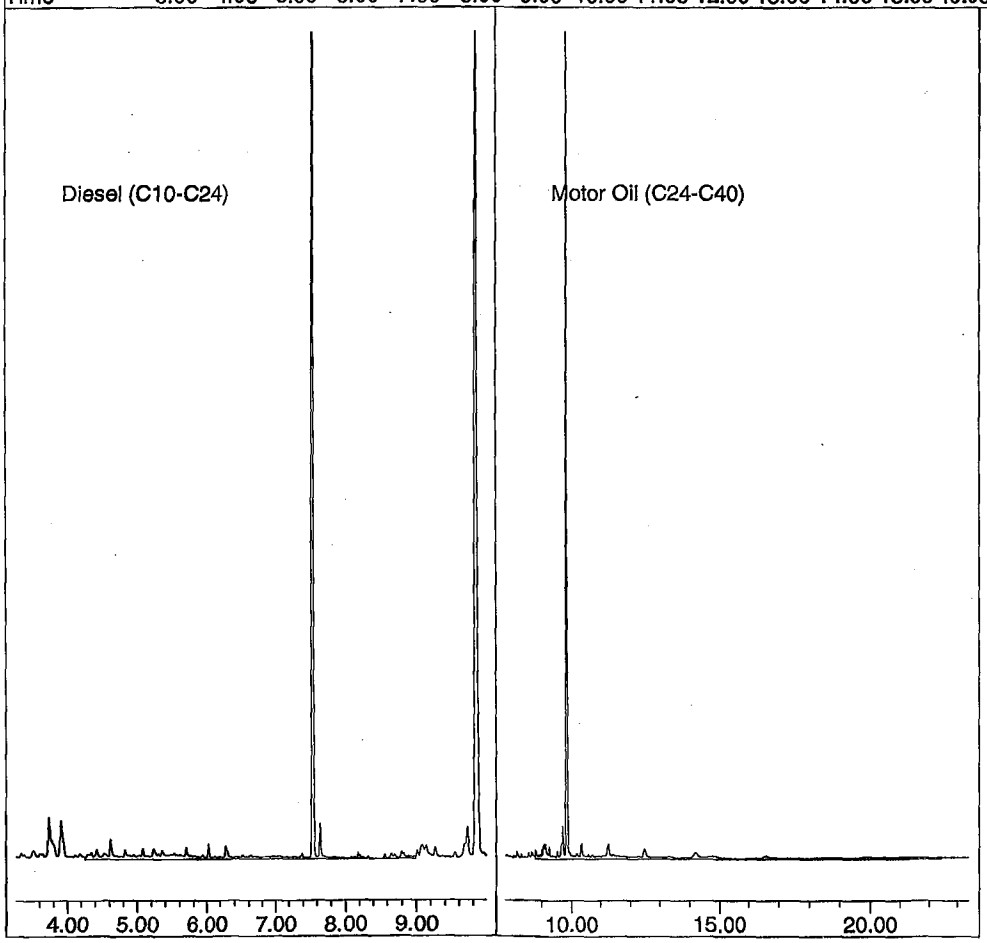
Method : G:\APOLLO\DATA\211007\DOC0830.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Mon Oct 11 17:41:08 2021
Response via : Multiple Level Calibration

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	134018742	129.326 ppb
Surrogate Spike 150.000		Recovery =	86.22%
4) SA Octacosane(S)	9.85	115478473	149.865 ppb
Surrogate Spike 150.000		Recovery =	99.91%
Target Compounds			
1) HATM Diesel (C10-C24)	6.63	54119074	66.992 ppb
2) HBTM Motor Oil (C24-C40)	15.62	119531538	161.638 ppb
Target Compounds			

Data File: G:\APOLLO\DATA\211007\1007022.D
Sample : 211005A BLK 5/1000





Quantitation Report (QT Reviewed)

Data File : G:\APOLLO\DATA\211007\1007023.D Vial: 23
Acq On : 10-8-21 4:06:56 Operator: KA
Sample : 211005A LCS-1 5/1000 Inst : Apollo
Misc : water Multiplr: 5.00
IntFile : events.e
Quant Time: Oct 8 16:29 2021 Quant Results File: DOC0830.RES

Method : G:\APOLLO\DATA\211007\DOC0830.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Mon Oct 11 17:41:08 2021
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	159646360	154.056 ppb
Surrogate Spike 150.000		Recovery =	102.70%
4) SA Octacosane(S)	9.85	121135924	157.207 ppb
Surrogate Spike 150.000		Recovery =	104.80%
Target Compounds			
1) HATM Diesel (C10-C24)	6.63	1945018495	2407.682 ppb
2) HBTM Motor Oil (C24-C40)	15.62	1459266218	2425.819 ppb
Target Compounds			

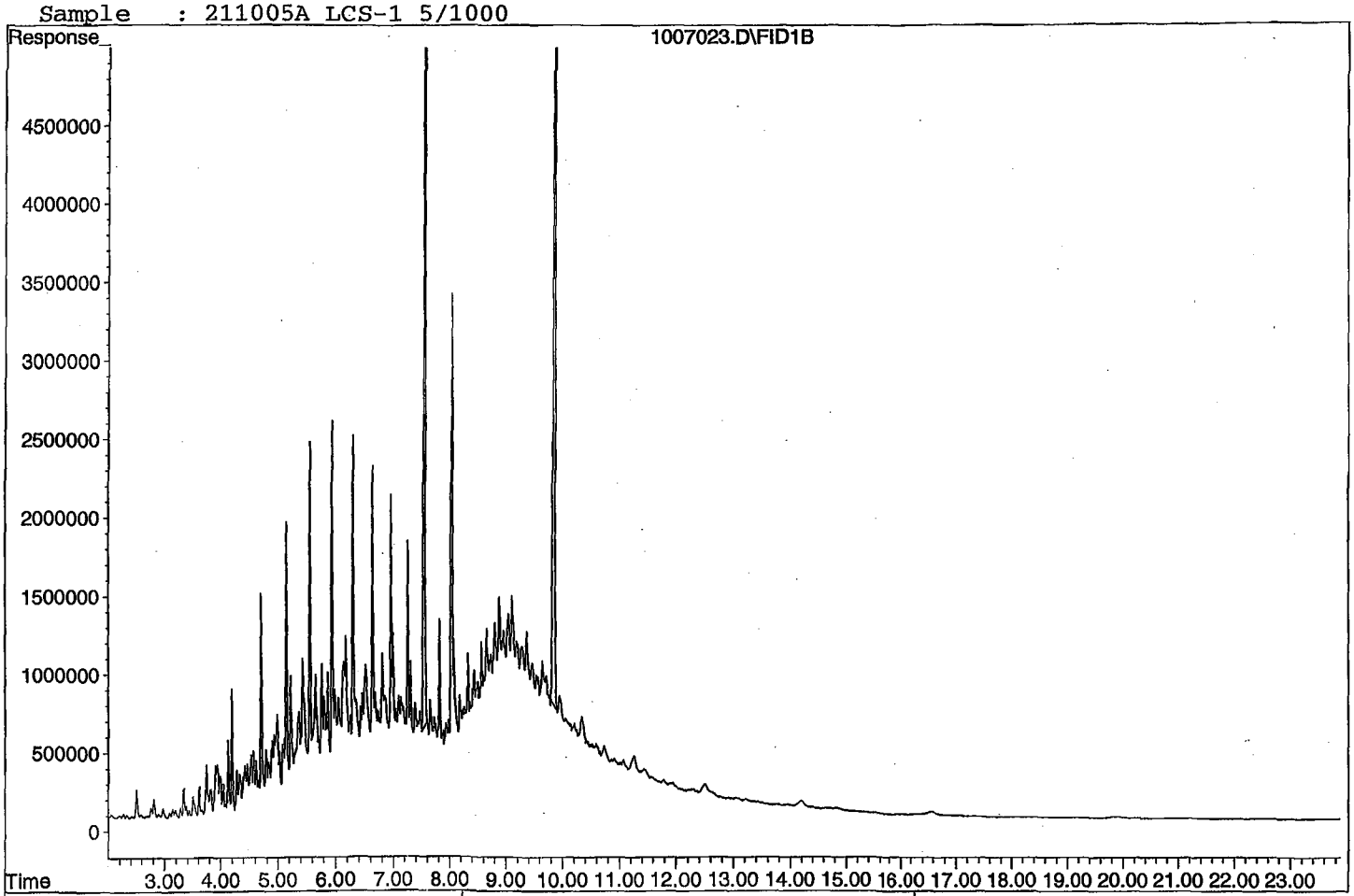
Diesel:

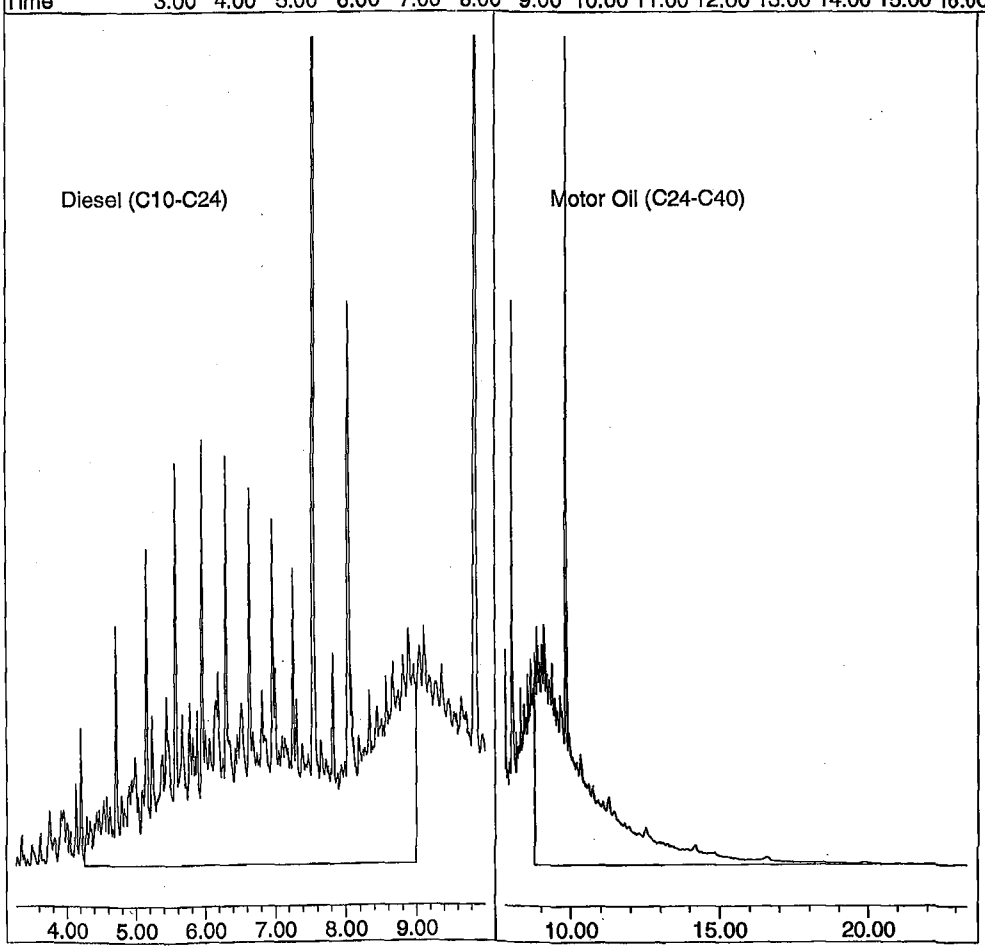
$$\frac{(1945018495)(5)}{(2019597)(2)} = \frac{9725092475}{4039194} = \boxed{2407.68}$$

(f)=RT Delta > 1/2 Window

1007023.D DOC0830.M Sat Oct 16 13:09:18 2021 (m)=manual int.

Data File: G:\APOLLO\DATA\211007\1007023.D
Sample : 211005A LCS-1 5/1000





Quantitation Report (QT Reviewed)

Data File : G:\APOLLO\DATA\211007\1007024.D Vial: 24
Acq On : 10-8-21 4:35:06 Operator: KA
Sample : 211005A LCSD-1 5/1000 Inst : Apollo
Misc : water Multiplr: 5.00
IntFile : events.e
Quant Time: Oct 8 16:30 2021 Quant Results File: DOC0830.RES

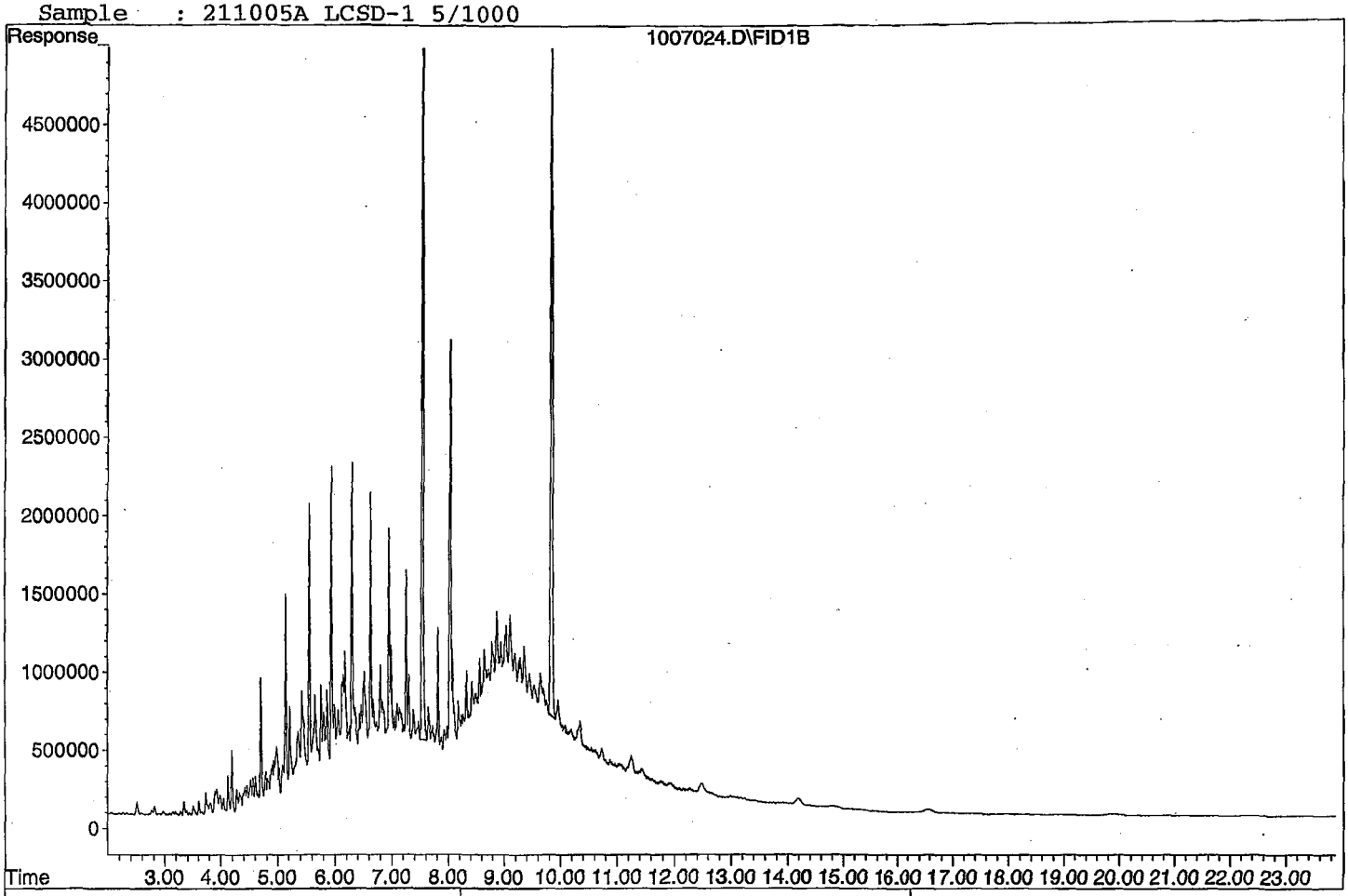
Method : G:\APOLLO\DATA\211007\DOC0830.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Mon Oct 11 17:41:08 2021
Response via : Multiple Level Calibration

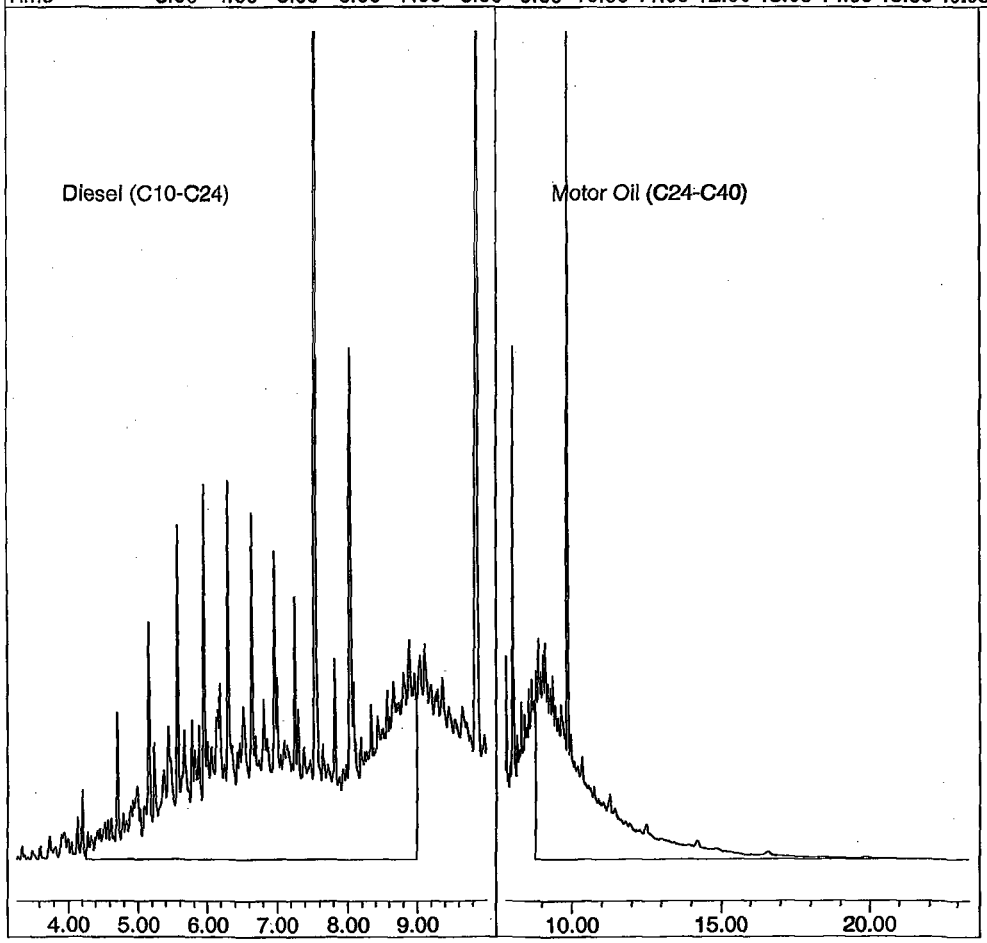
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.54	149794541	144.549 ppb
Surrogate Spike 150.000		Recovery =	96.37%
4) SA Octacosane(S)	9.85	113605222	147.434 ppb
Surrogate Spike 150.000		Recovery =	98.29%
Target Compounds			
1) HATM Diesel (C10-C24)	6.63	1709142465	2115.698 ppb
2) HBTM Motor Oil (C24-C40)	15.62	1335272534	2216.267 ppb
Target Compounds			

Quantitation Report

Data File: G:\APOLLO\DATA\211007\1007024.D
Sample : 211005A 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**	[redacted]	**2/28/2022**	500uL	10mL	MC	250
Motor Oil Second Source	Absolute	51094	50,000	**010918-39581**	[redacted]	**1/9/2023**	50uL			

Diesel / Motor Oil CCV

Prepared : 10/6/2021

Expires: 5/31/2026

Prepared By (initials): KA

Methylene Chloride Lot No. 61117

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

Diesel Motor Oil Mix

Prepared: 9/3/2021 **Prepared By (Initials): KA**

Expires: 9/3/2022

Initial Standard Information							Final Standard			
Name of Initial Standard (QAU Label)	Supplier	Supplier Part No.	Conc. (ug/mL)	Lot Number - QA Number	Exp. Date (1 yr.)	Exp. Date (Manufacturer)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/mL)
Diesel Fuel #2	Restek	31258	50,000	**A0164485-52823,52824,52662,52661,52822**	9/3/2021	**10/31/2027**	4.00 mL	8.0 mL	NA	25,000
Motor Oil Composite	Restek	31464	50,000	**A0166510-52664 and 52818 and A0168842-52820 and 52821**	9/3/2021	**12/31/27 and 03/31/28**	4.00 mL			25,000

THC Surrogate

Prepared: 8/24/2021 KA

Expires: 8/24/2022

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)
O-terphenyl / Octacosane Mix	Phenova	ALO-130161	600	**CL16893-52838**	**8/24/2022**	**5/31/2026**	N/A	N/A	N/A	600

Organic Extraction Worksheet

Method	Continuous Liq/Liq TPH- 3520C w/SGC	Extraction Set	211005A	Extraction Method	LIQ005SGC	Units	mL

Spiked ID 1	Diesel Motor Oil Mix 9/3/21-9/3/22		Surrogate ID 1	THC Surrogate 8/23/21-8/23/22	
Spiked ID 2	Decanoic 1000ug/mL Acid Solution 9/24/21-9/24/22		Surrogate ID 2		
Spiked ID 3	Decanoic 1000ug/mL Acid 10/2/21-10/2/22		Surrogate ID 3		
Spiked ID 4			Surrogate ID 4		
Spiked ID 5			Surrogate ID 5		
Spiked ID 6			Sufficient Vol for Matrix QC:	YES	
Spiked ID 7			Ext. Start Time:		
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	211005A Blk		0.050	2	0.250	1 equip	1000	5	2	10/05/21 11:14	
2	211005A LCS-1		0.080,0.50	1,2	0.250	1 equip	1000	5	2	10/05/21 11:14	
3	211005A LCSD-1		0.080,0.50	1,2	0.250	1 equip	1000	5	2	10/05/21 11:14	
4	BA42036	BA42036W09	0.050	2	0.250	1 equip	1030	5	2	10/05/21 11:14	97717
5	BA42037 MS-1	BA42037W20	0.080,0.50	1,2	0.250	1 equip	1040	5	2	10/05/21 11:14	97717
6	BA42037 MSD-1	BA42037W17	0.080,0.50	1,2	0.250	1 equip	1040	5	2	10/05/21 11:14	97717
7	BA42037	BA42037W22	0.050	2	0.250	1 equip	1040	5	2	10/05/21 11:14	97717
8	BA42038	BA42038W07	0.050	2	0.250	1 equip	1050	5	2	10/05/21 11:14	97717
9	BA42228	BA42228W10	0.050	3	0.250	1 equip	1030	5	2	10/05/21 11:14	97741
10	BA42229	BA42229W10	0.050	3	0.250	1 equip	1030	5	2	10/05/21 11:14	97741
11	BA42230	BA42230W10	0.050	3	0.250	1 equip	1030	5	2	10/05/21 11:14	97741
12	BA42231	BA42231W10	0.050	2	0.250	1 equip	1020	5	2	10/05/21 11:14	97741

Solvent and Lot#	
1+1 HCL (5mLs)	*
PH Strips	*
Dichloromethane (DCM)	61117
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	KY
Sample Preparation	SR
Extraction	
Concentration	

Modified	10/16/2021 1:13:59 PM

Reviewed By: **Date**

Injection Log

Directory: G:\APOLLO\DATA\210830\

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	4	830004.D	1	DMO STD Curve 1	water	8-30-21 14:23:31
2	5	830005.D	1	DMO STD Curve 2	water	8-30-21 14:52:00
3	6	830006.D	1	DMO STD Curve 3	water	8-30-21 15:20:31
4	7	830007.D	1	DMO STD Curve 4	water	8-30-21 15:48:59
5	8	830008.D	1	DMO STD Curve 5	water	8-30-21 16:17:29
6	9	830009.D	1	DMO STD Curve 6	water	8-30-21 16:45:57
7	10	830010.D	1	DMO STD Curve 7	water	8-30-21 17:14:26
8	11	830011.D	1	DMO Second Source	water	8-30-21 17:43:02
9	20	1007020.D	1	Diesel Motor Oil CCV 10/6/21	water	10-8-21 2:42:28
10	22	1007022.D	5	211005A BLK 5/1000	water	10-8-21 3:38:46
11	23	1007023.D	5	211005A LCS-1 5/1000	water	10-8-21 4:06:56
12	24	1007024.D	5	211005A LCSD-1 5/1000	water	10-8-21 4:35:06
13	30	1007030.D	4.85437	BA42228W10 5/1030	water	10-8-21 7:23:48
14	31	1007031.D	4.85437	BA42229W10 5/1030	water	10-8-21 7:51:52
15	32	1007032.D	4.85437	BA42230W10 5/1030	water	10-8-21 8:19:56
16	33	1007033.D	4.90196	BA42231W10 5/1020	water	10-8-21 8:48:00
17	36	1007036.D	1	Diesel Motor Oil CCV 10/6/21	Water	10-8-21 10:12:13

ORGANICS
Calibration Data

TPH Extractables
DOC0831

Form 6
Initial Calibration

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

		Compound	1	2	3	4	5	6	7				Avg	%RSD	Type	r^2	Q
			830004.D	830005.D	830006.D	830007.D	830008.D	830009.D	830010.D								
1	HATM	Diesel (C10-C24)	1996096	2096504	2044980	1954573	1978127	1986289	2080607				2019597	2.7	HATM		
2	HBTML	Motor Oil (C24-C40)	4145119	2435540	1673061	1536974	1493779	1466134	1500171				2035825	49	HBTM	1.000	
3	SA	Ortho-Terphenyl(S)	2853226	2657484	2628989	2539846	2469795	2419311	2566361				2590716	5.5	SA		
4	SA	Octacosane(S)	2110335	1874119	1915976	1916647	1876549	1864260	1926753				1926377	4.4	SA		
5																	
6																	
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35																	

1.751305

Quantitation Report (Not Reviewed)

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

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

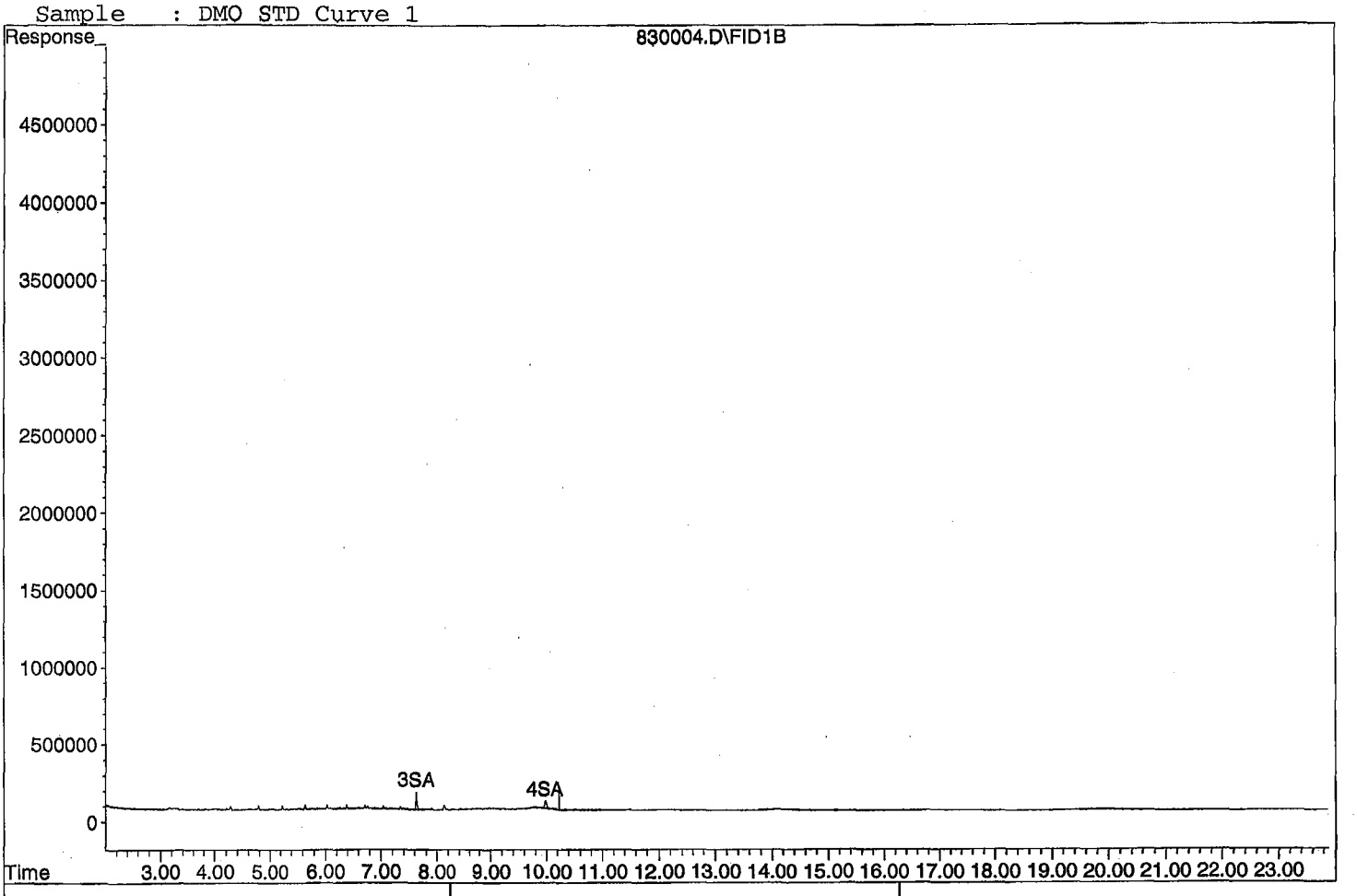
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

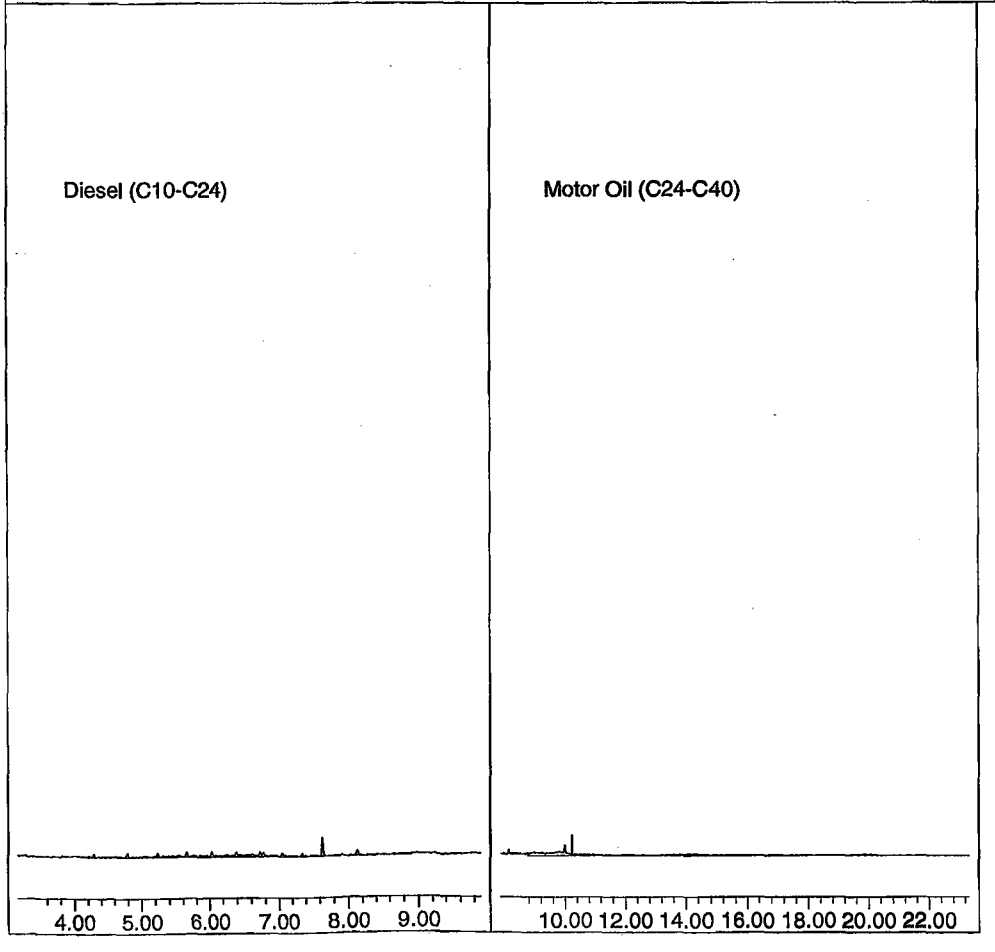
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.63	1426613	0.275 ppb
Surrogate Spike 30.000	Recovery =		0.92%
4) SA Octacosane(S)	9.98	1055167	0.274 ppb
Surrogate Spike 30.000	Recovery =		0.91%
Target Compounds			
1) HATM Diesel (C10-C24)	6.54	19960961	4.942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

Target Compounds

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

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





Quantitation Report (Not Reviewed)

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

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

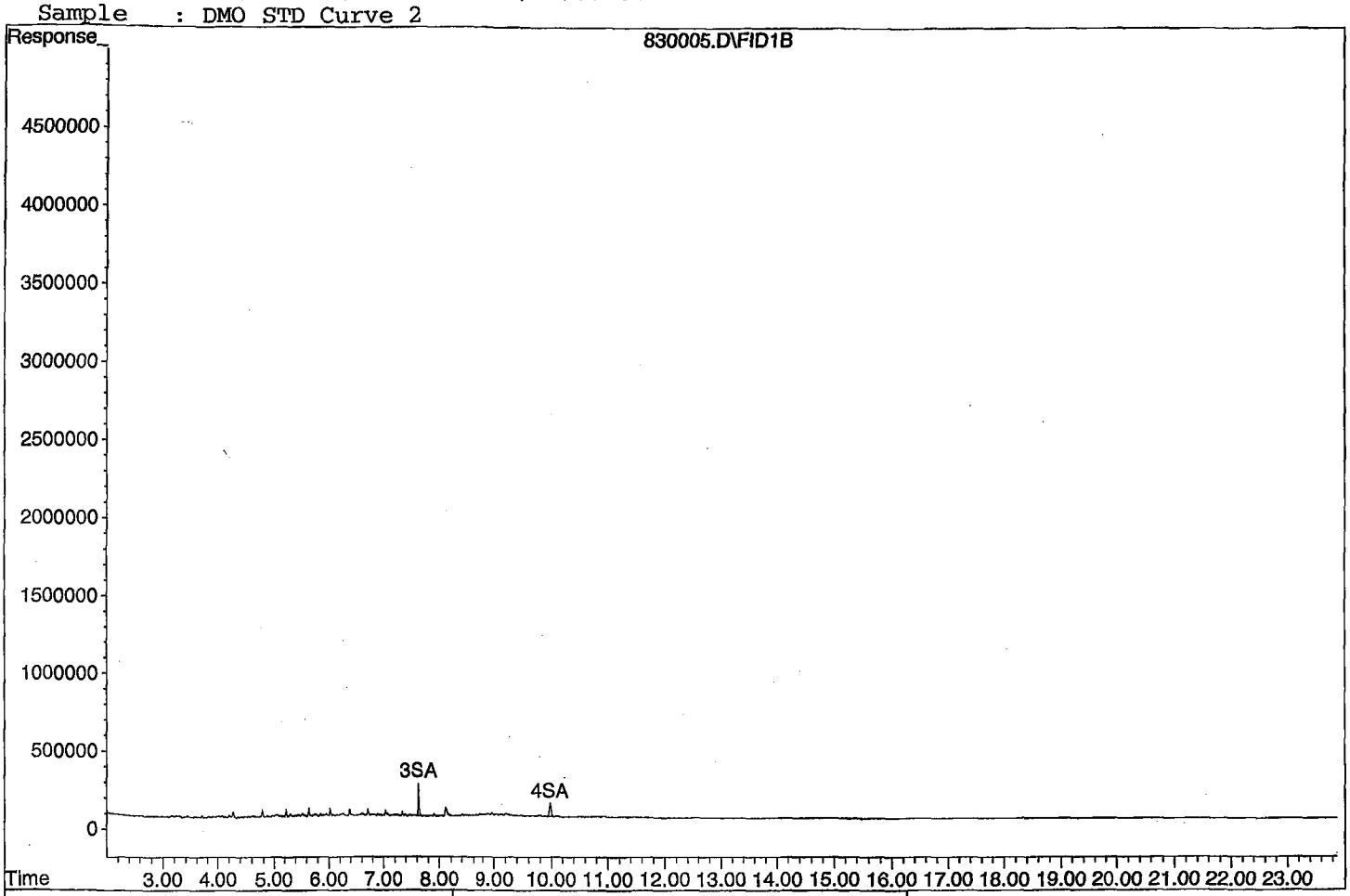
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

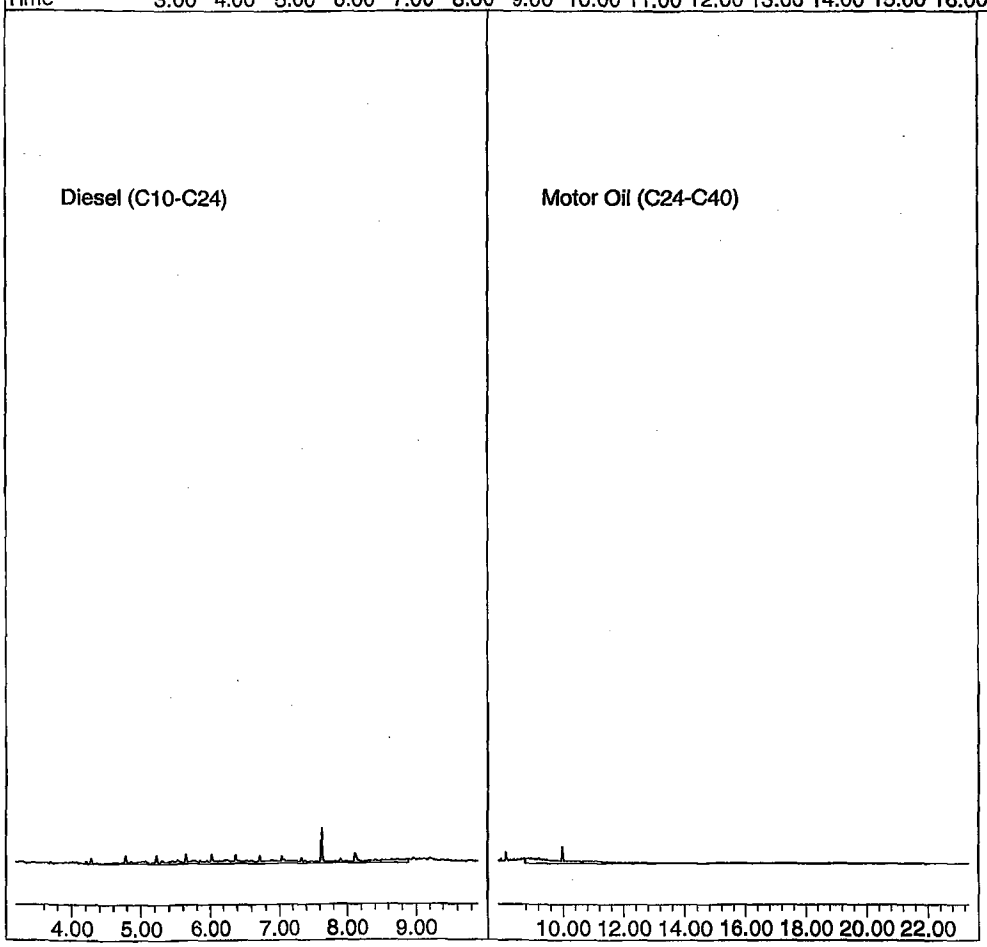
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.63	2657484	0.513 ppb
Surrogate Spike 30.000	Recovery =		1.71%
4) SA Octacosane(S)	9.98	1874119	0.486 ppb
Surrogate Spike 30.000	Recovery =		1.62%
Target Compounds			
1) HATM Diesel (C10-C24)	6.54	41930088	10.381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

Target Compounds

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

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





Quantitation Report (Not Reviewed)

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

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

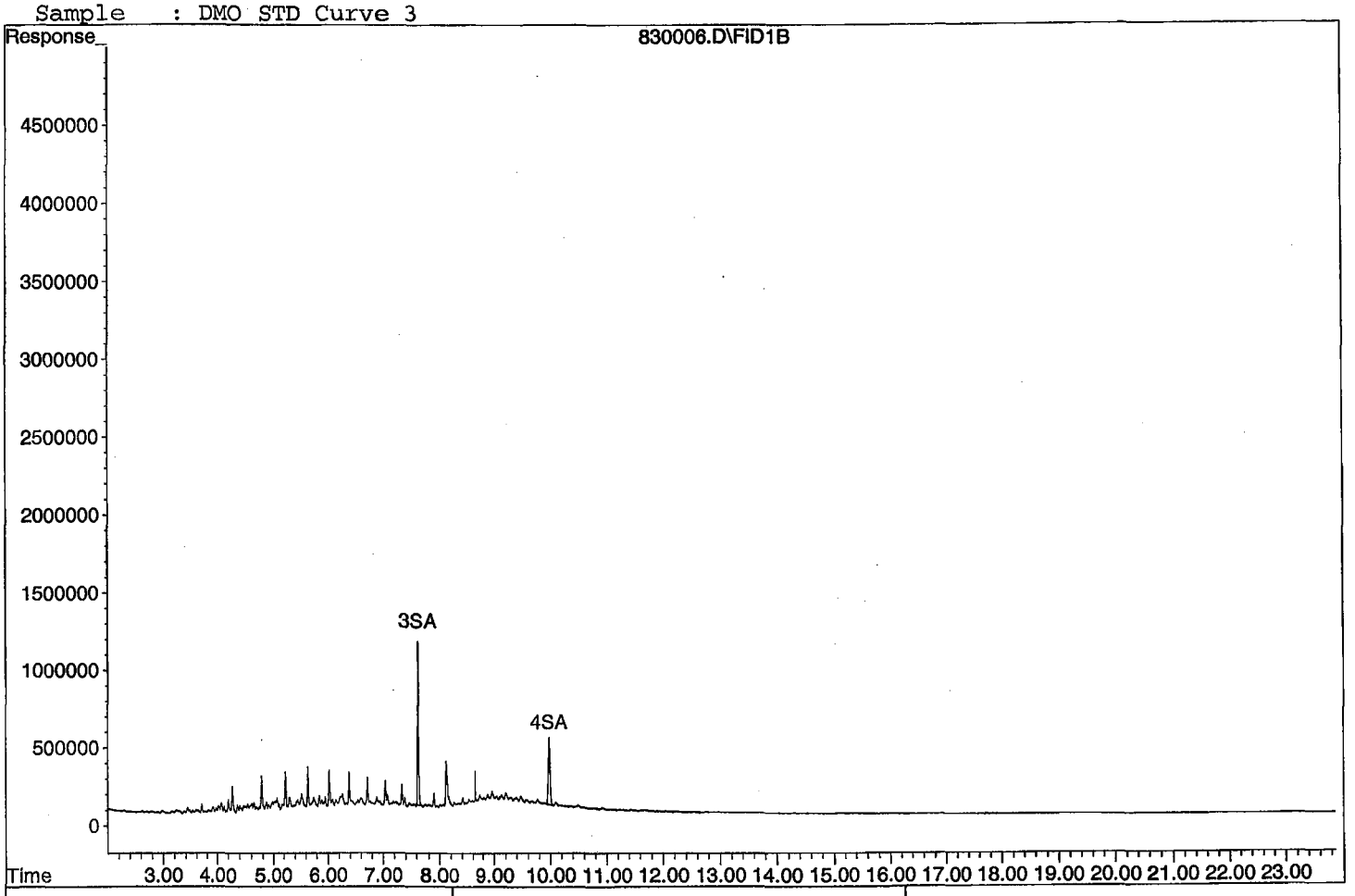
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

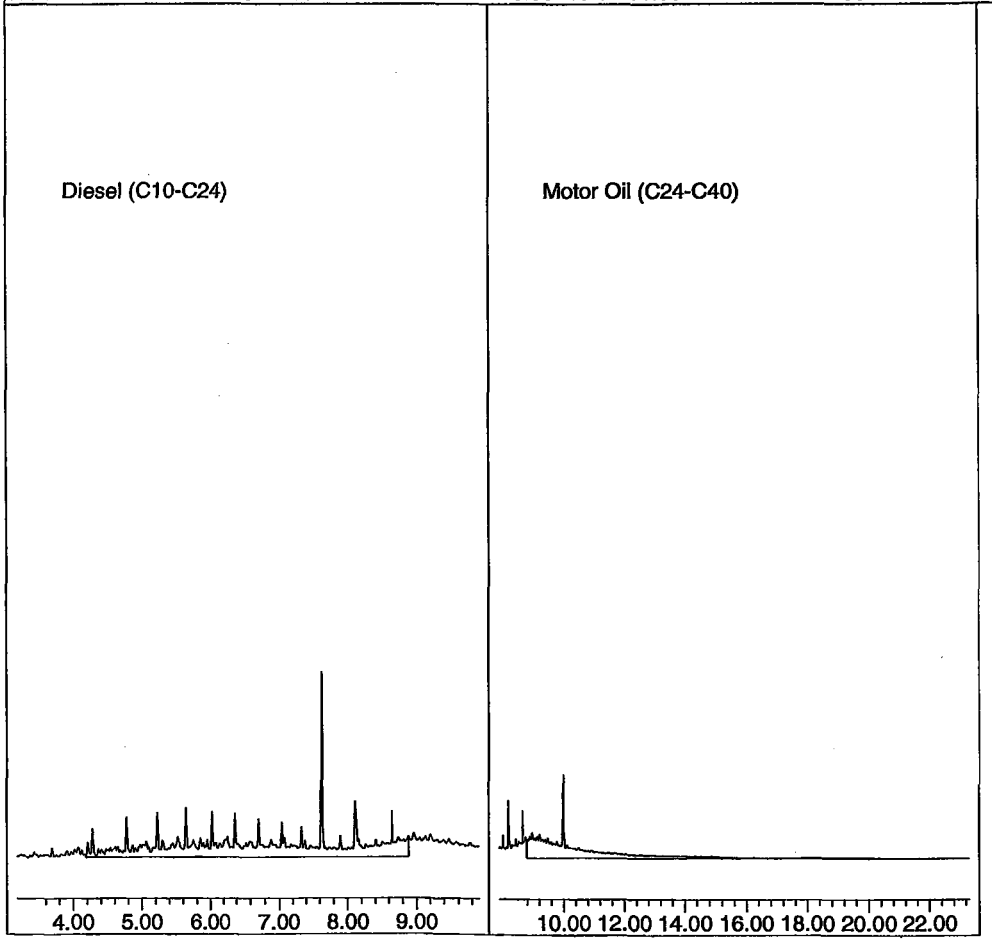
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.63	13144947	2.537 ppb
Surrogate Spike 30.000	Recovery =		8.46%
4) SA Octacosane(S)	9.98	9579881	2.487 ppb
Surrogate Spike 30.000	Recovery =		8.29%
Target Compounds			
1) HATM Diesel (C10-C24)	6.54	204498046	50.628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

Target Compounds

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

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





Quantitation Report (Not Reviewed)

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

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

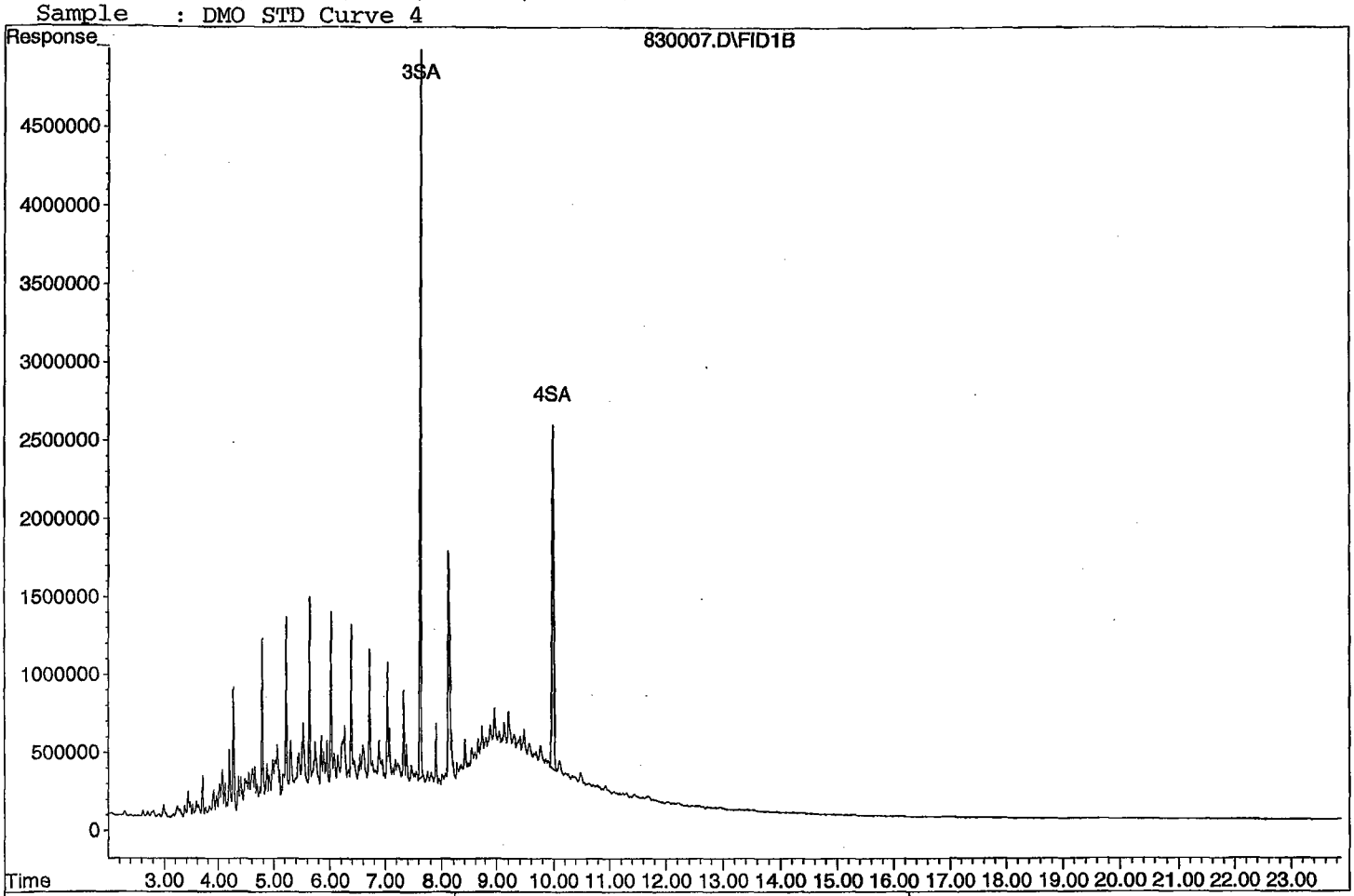
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

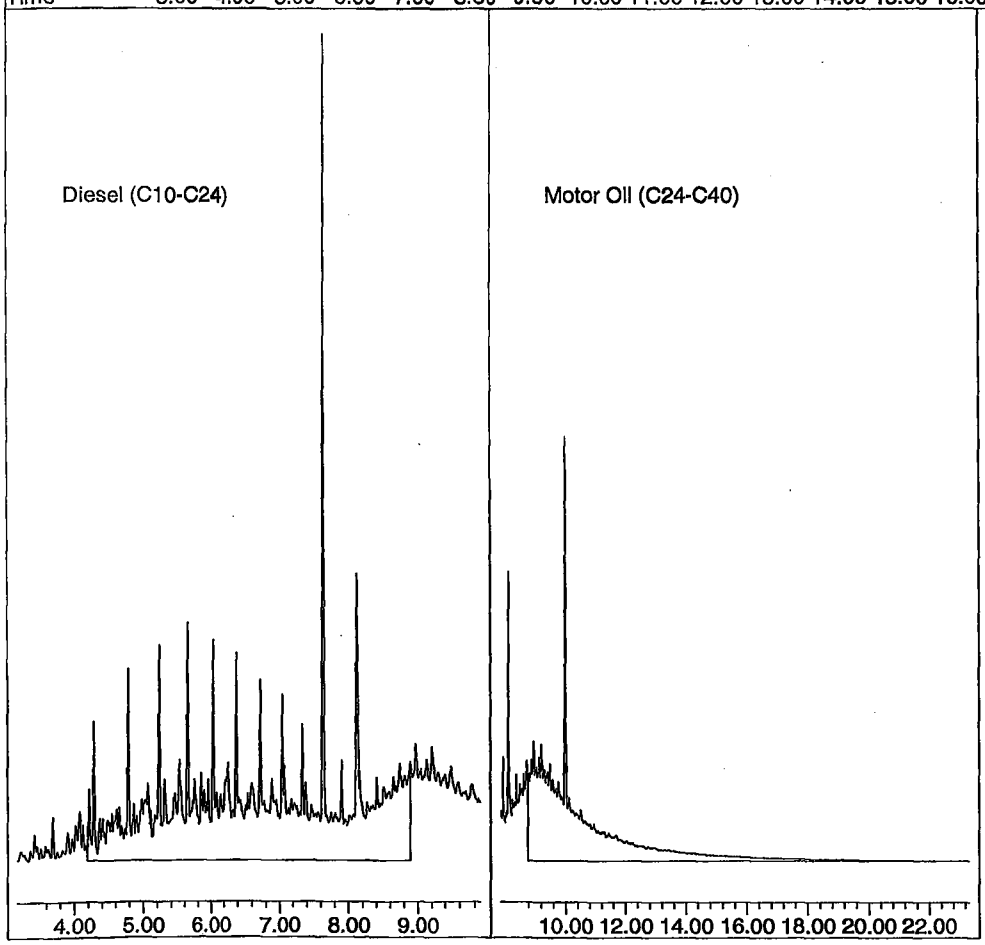
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.63	63496153	12.255 ppb
Surrogate Spike 30.000	Recovery =		40.85%
4) SA Octacosane(S)	9.98	47916187	12.437 ppb
Surrogate Spike 30.000	Recovery =		41.46%
Target Compounds			
1) HATM Diesel (C10-C24)	6.54	977286267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

Target Compounds

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

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





Quantitation Report (Not Reviewed)

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

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

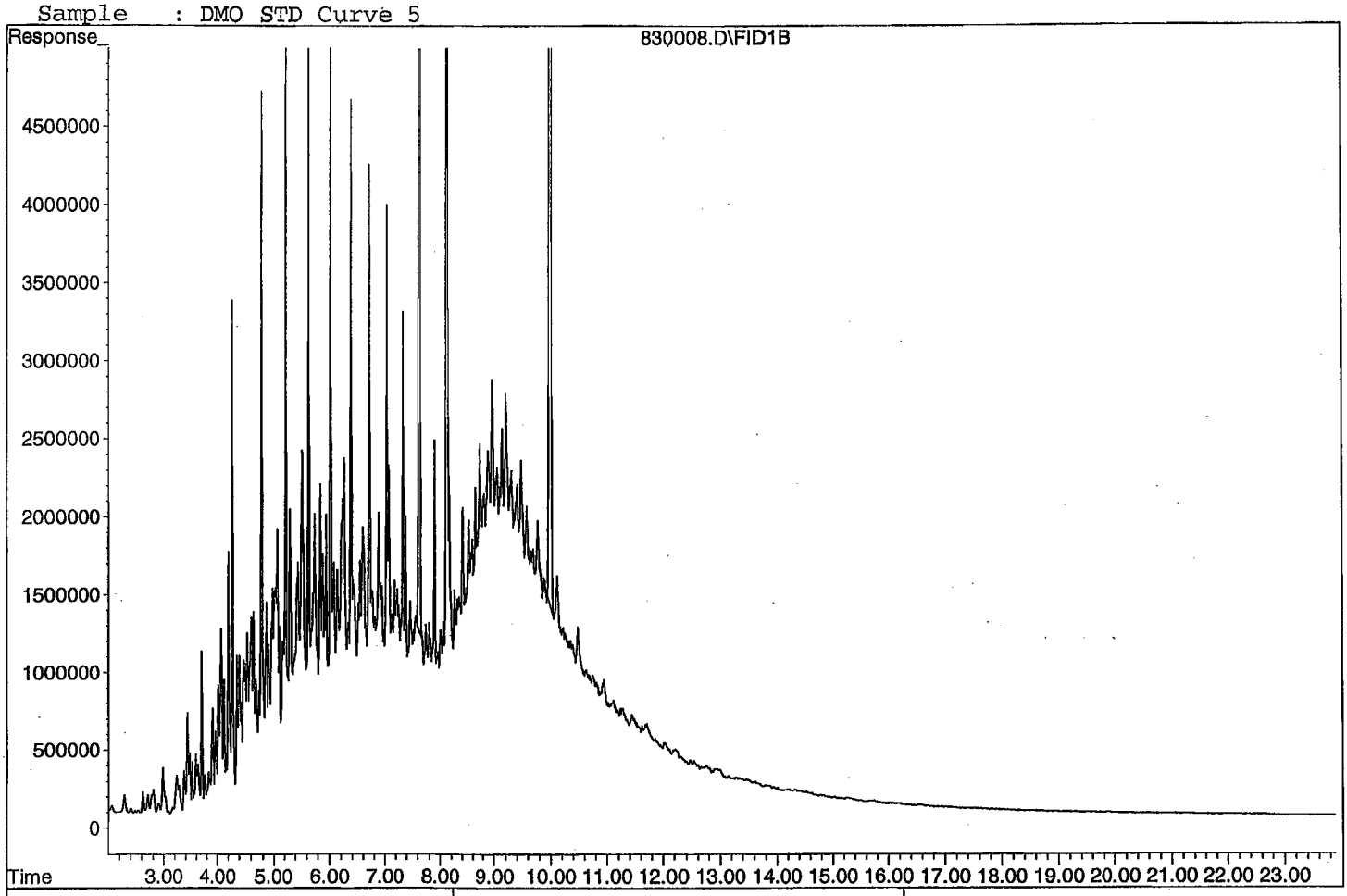
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

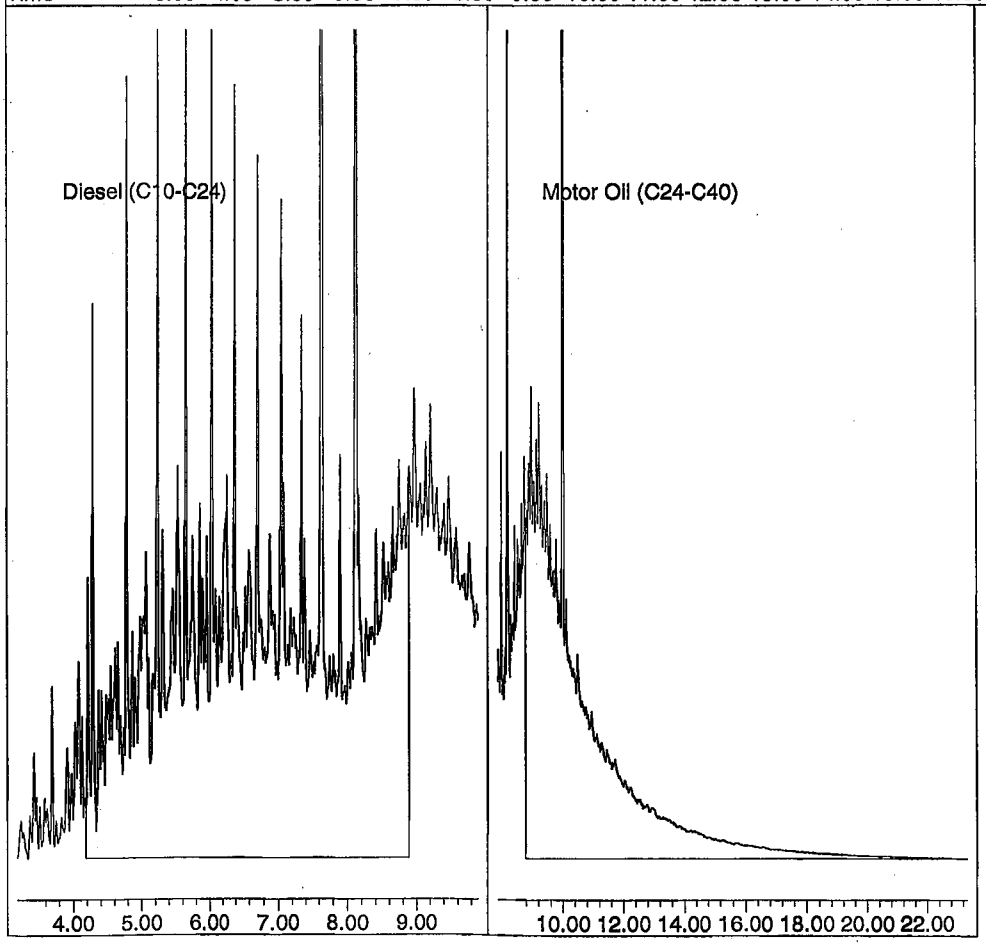
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.63	246979512	47.666 ppb
Surrogate Spike 30.000	Recovery =		158.89%
4) SA Octacosane(S)	9.99	187654879	48.707 ppb
Surrogate Spike 30.000	Recovery =		162.36%
Target Compounds			
1) HATM Diesel (C10-C24)	6.54	3956253906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

Target Compounds

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

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





Quantitation Report (Not Reviewed)

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

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

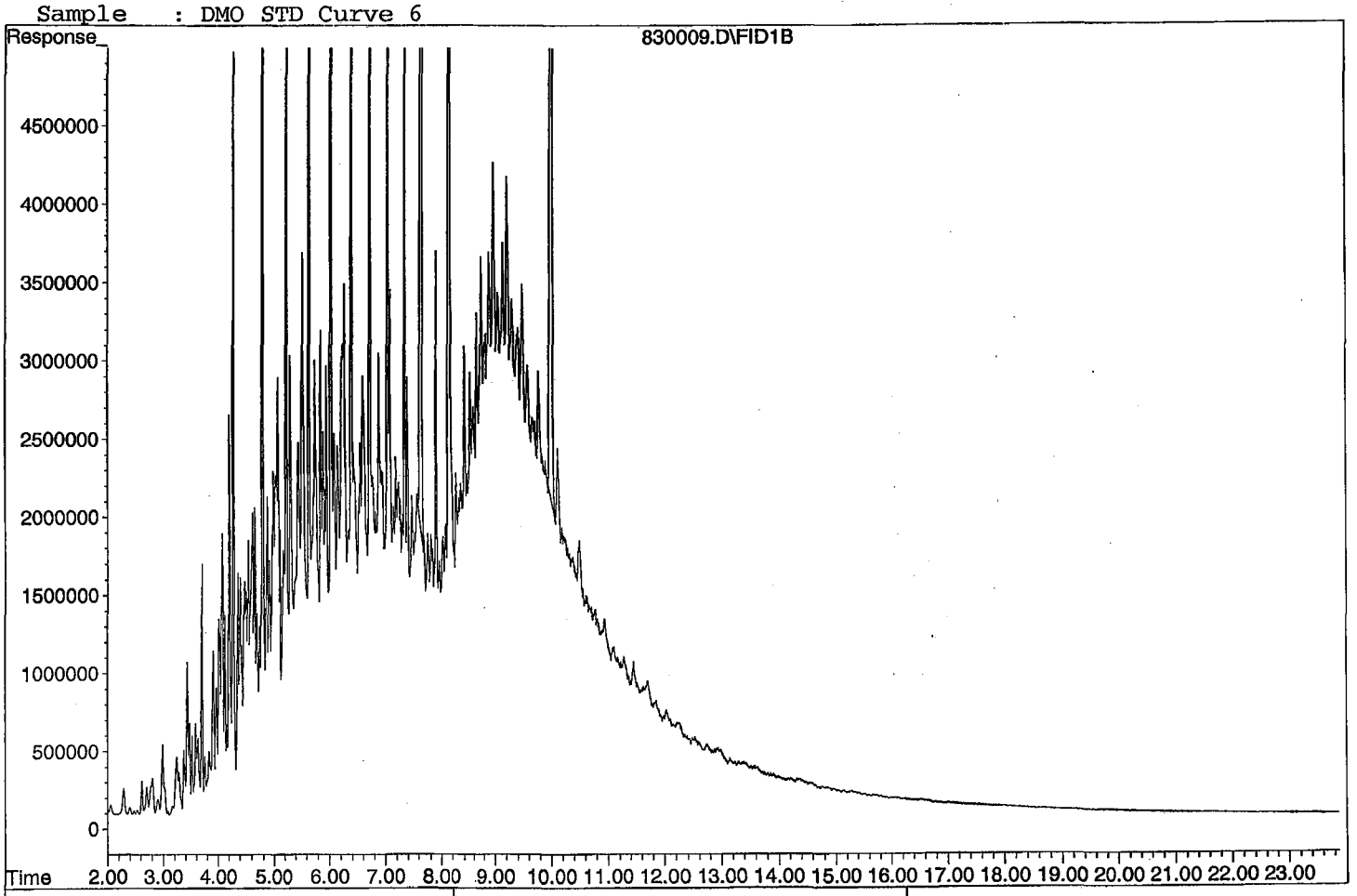
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

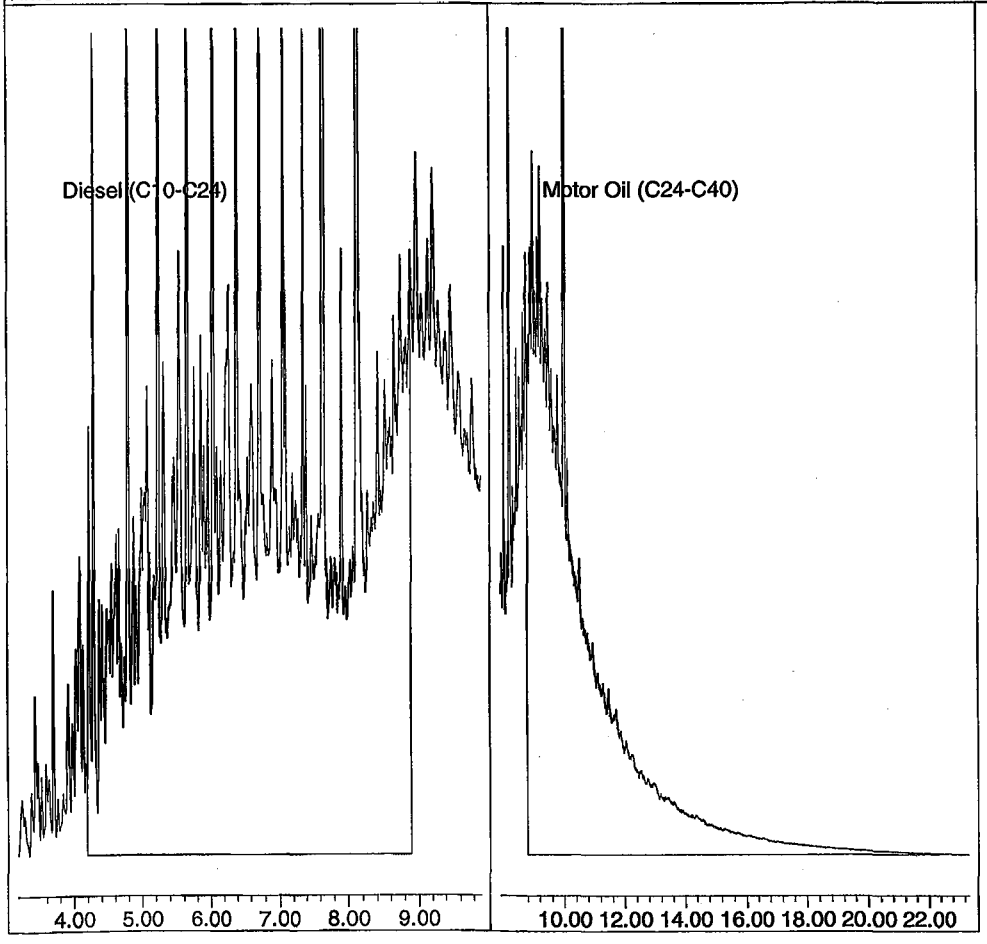
Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
3) SA Ortho-Terphenyl(S)	7.63	362896579	70.038	ppb
Surrogate Spike 30.000	Recovery =		233.46%	
4) SA Octacosane(S)	10.00	279638971	72.582	ppb
Surrogate Spike 30.000	Recovery =		241.94%	
Target Compounds				
1) HATM Diesel (C10-C24)	6.54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

Target Compounds

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

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





Quantitation Report (Not Reviewed)

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

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

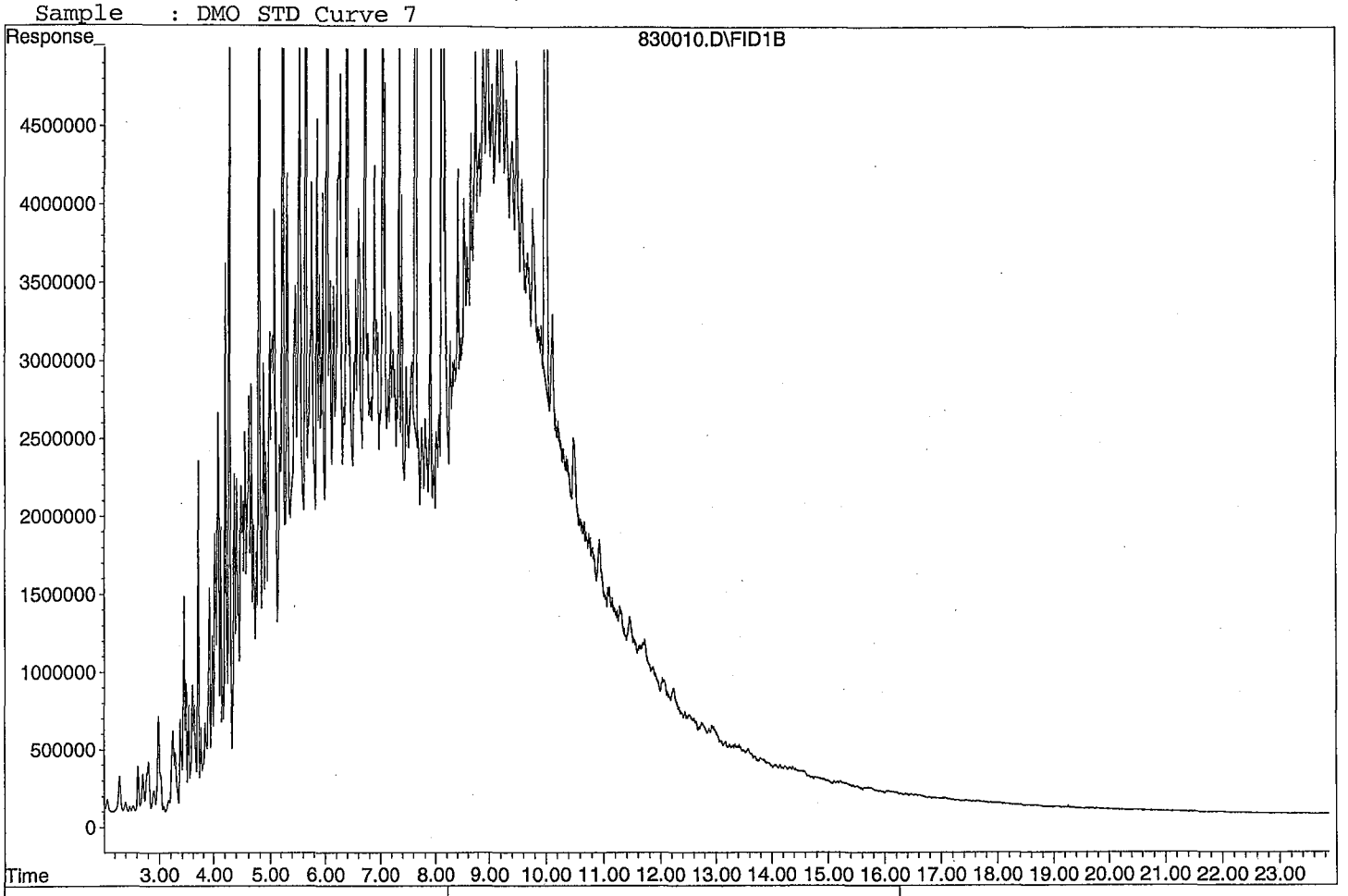
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

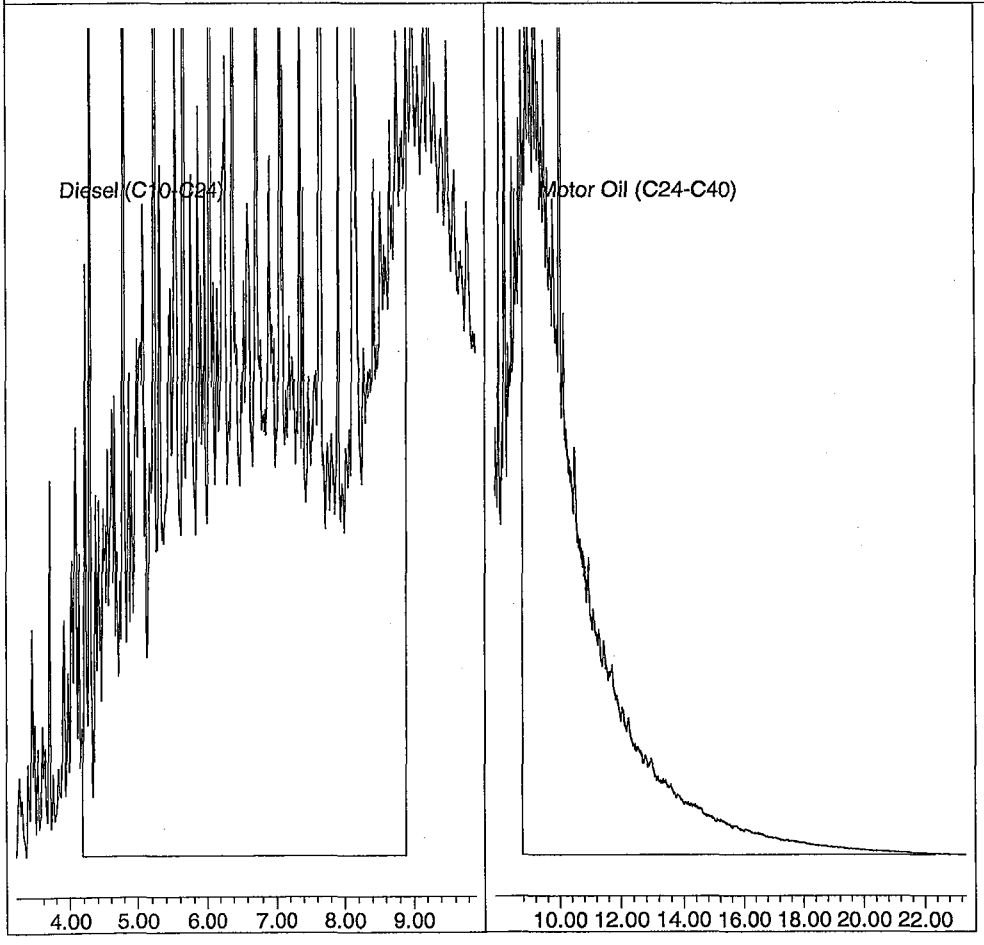
Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
3) SA Ortho-Terphenyl(S)	7.64	513272150	99.060	ppb
Surrogate Spike 30.000		Recovery =	330.20%	
4) SA Octacosane(S)	10.00	385350648	100.020	ppb
Surrogate Spike 30.000		Recovery =	333.40%	
Target Compounds				
1) HATM Diesel (C10-C24)	6.54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

Target Compounds

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

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





TPH Extractables
DOC0831

Form 7

Second Source Calibration

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

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

		Compound	MEAN	CCRF	%D		%Drift
1	HATM	Diesel (C10-C24)	2019600	2221630	10	HATM	
2	HBTM	Motor Oil (C24-C40)	2035830	1633780	20	HBTML	7.2
3							
4							
5							
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39							
40							
		Average			15.0		

Quantitation Report (Not Reviewed)

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

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

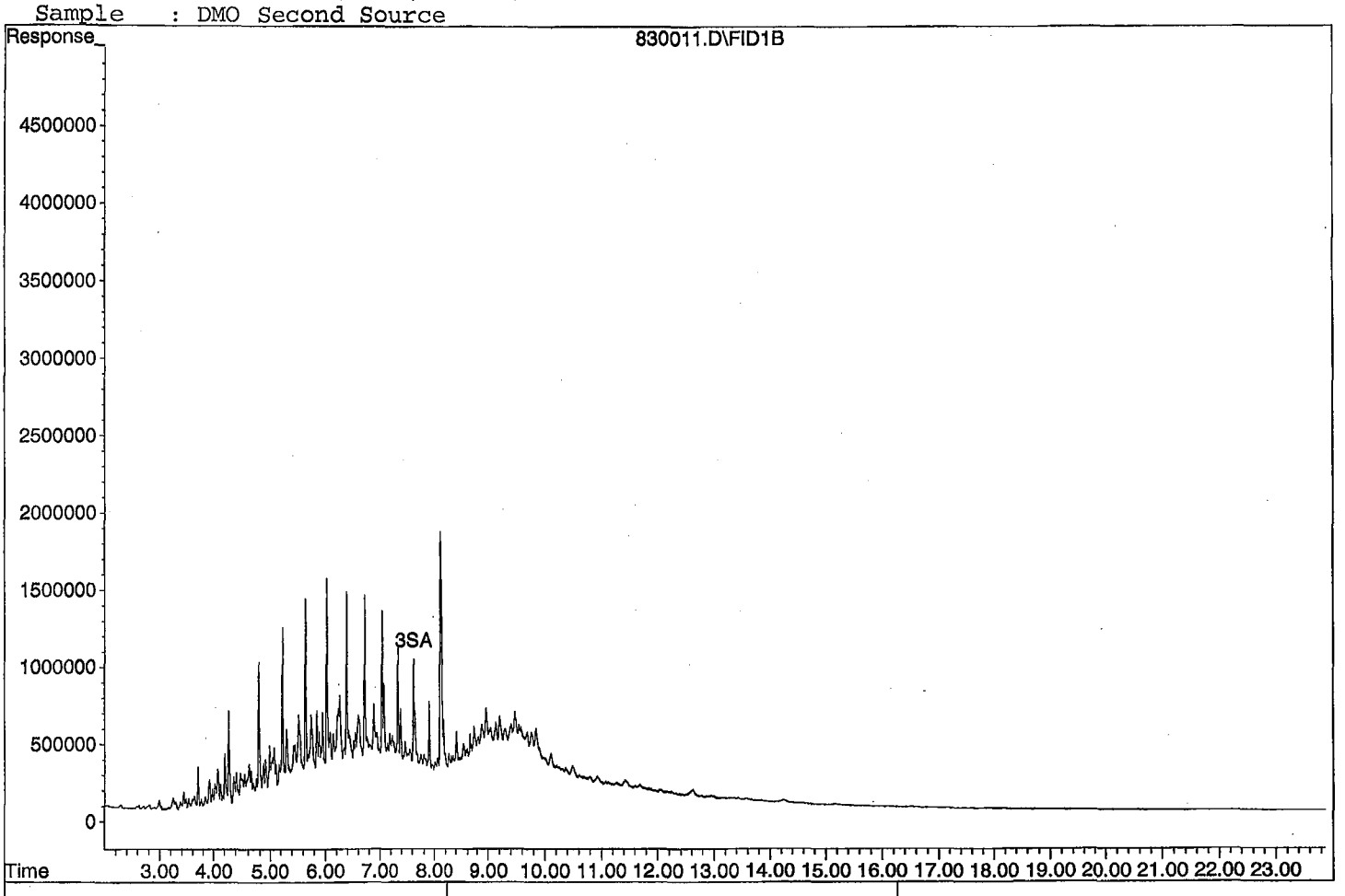
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

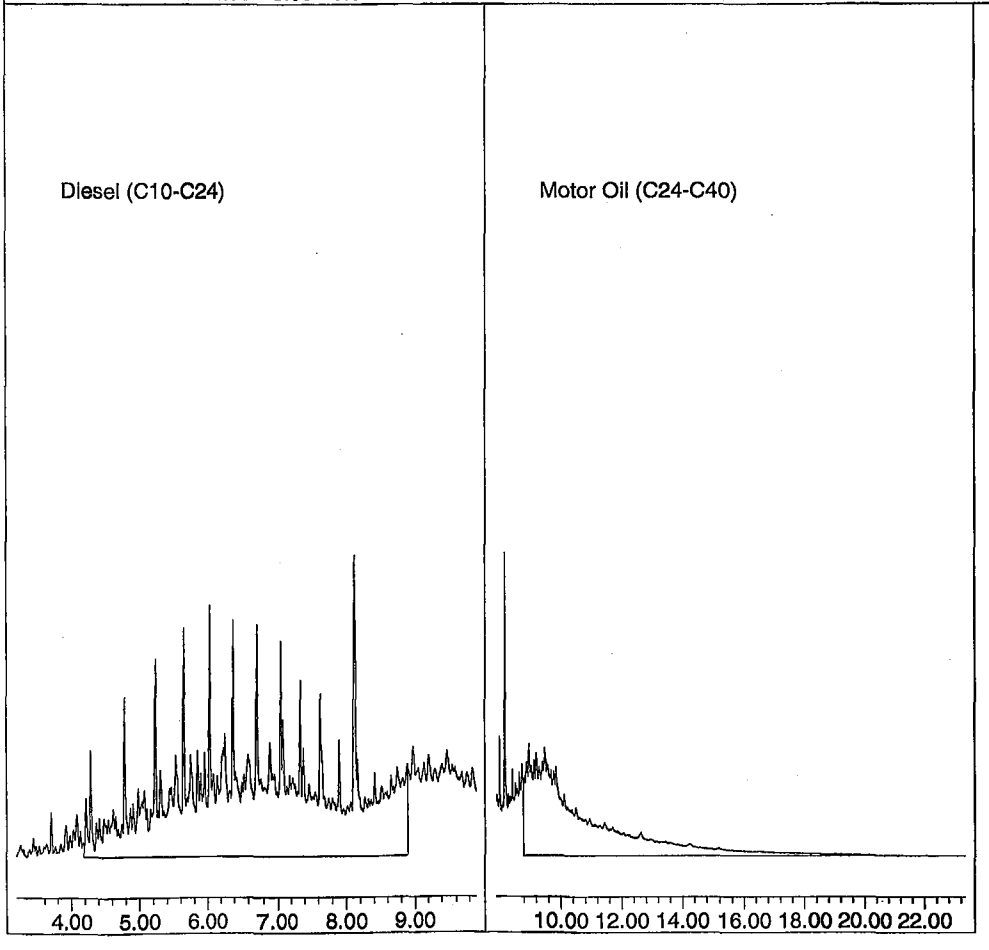
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.62	4475122	0.864 ppb
Surrogate Spike 30.000		Recovery =	2.88%
4) SA Octacosane(S)	9.98	-56148	N.D. ppb
Surrogate Spike 30.000		Recovery =	0.00%
Target Compounds			
1) HATM Diesel (C10-C24)	6.54	1110816428	275.009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

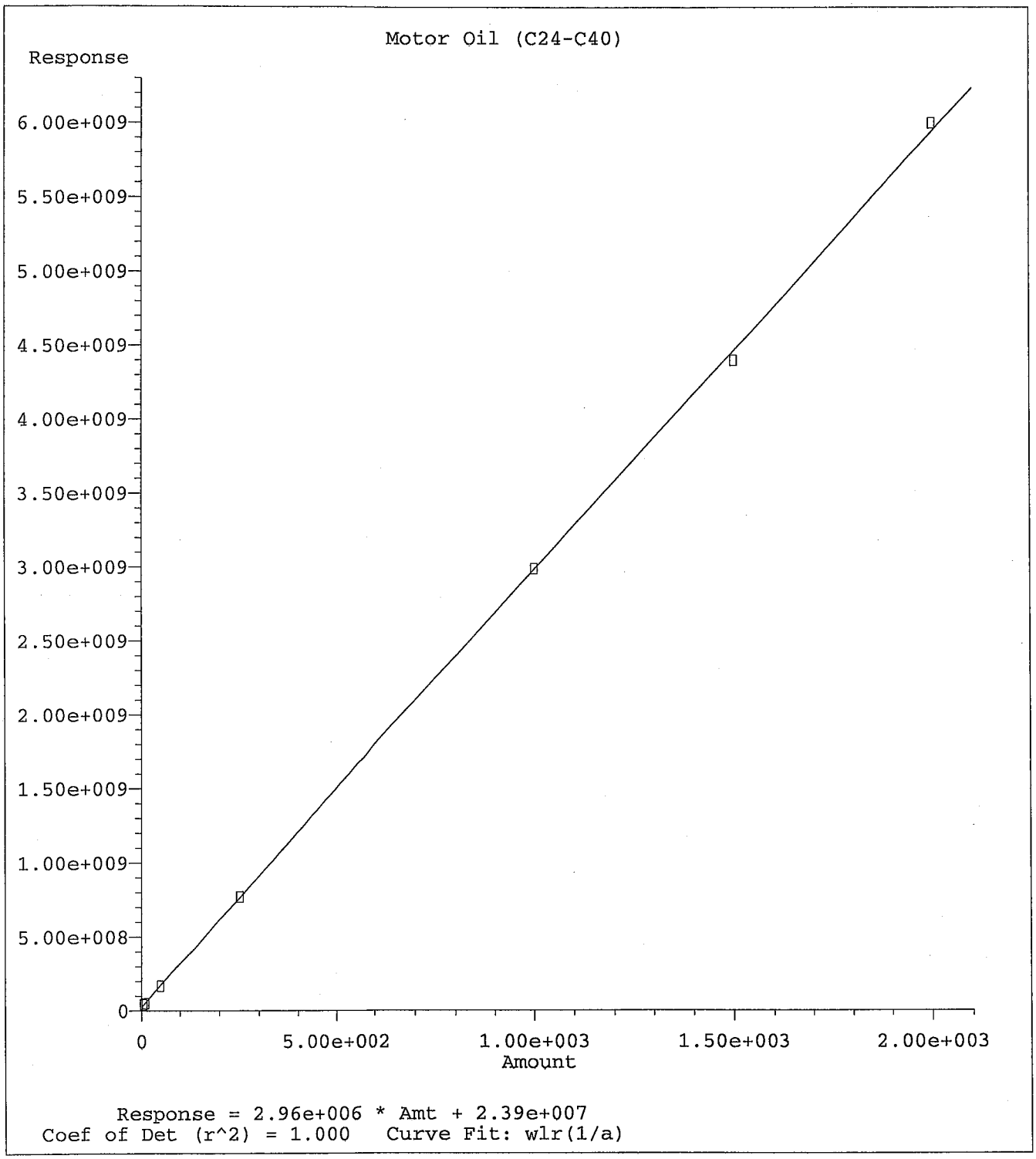
Target Compounds

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

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







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

TPH Extractables
DEC0911

Form 6
Initial Calibration

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

911002.D 911003.D 911004.D 911005.D 911006.D 911007.D

		Compound	1	2	3	4	5	6					Avg	%RSD	Type	r^2	Q
1	SC	Decanoic Acid(S)	883995	1084261	1313446	1384667	1522107	1509937					1283069	20	SC		*
2																	
3																	
4																	
5																	
6																	
7																	
8																	
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35																	

0.562142

Quantitation Report (Not Reviewed)

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

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

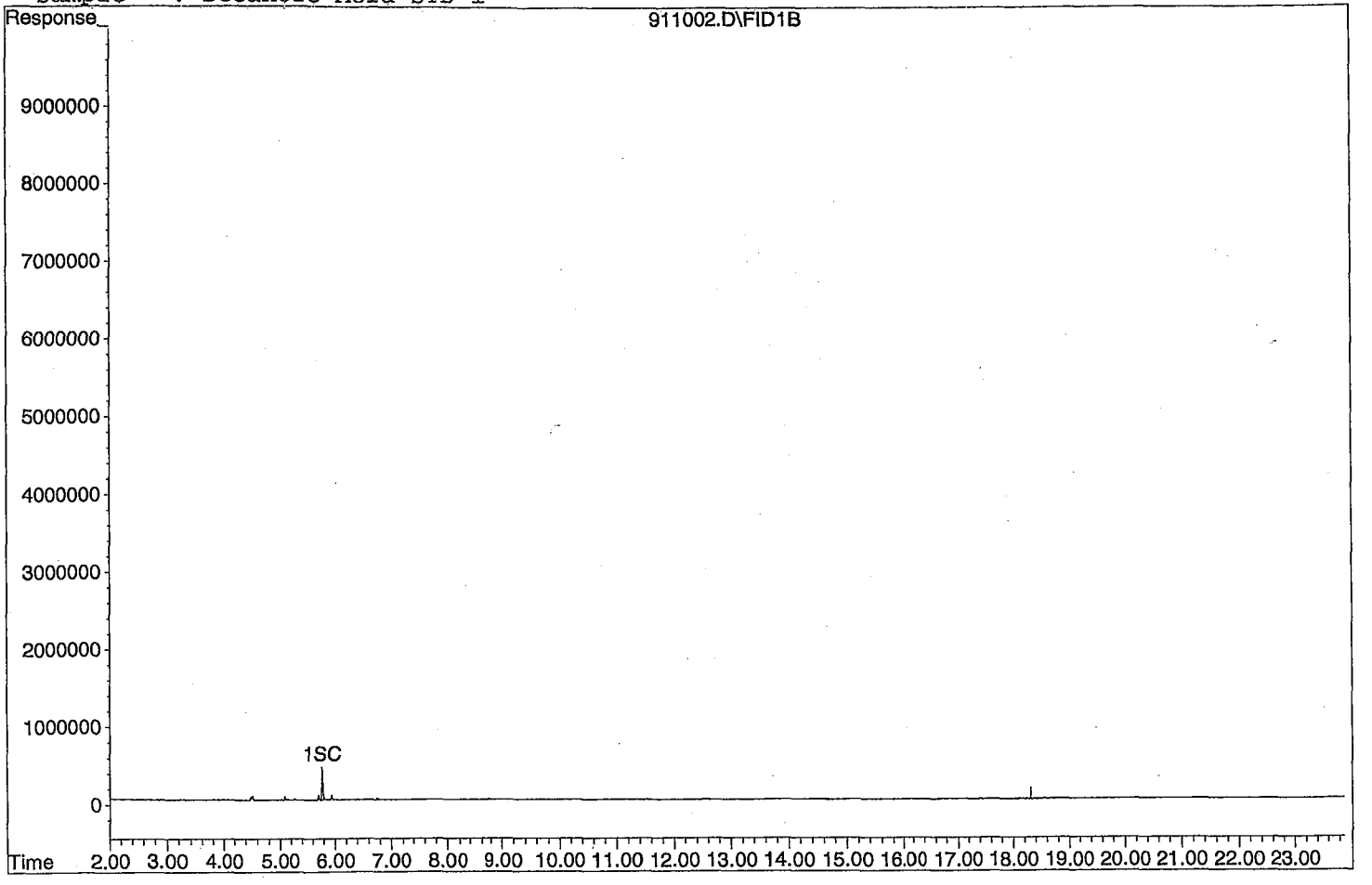
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

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

Target Compounds

Quantitation Report

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



Quantitation Report (Not Reviewed)

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

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

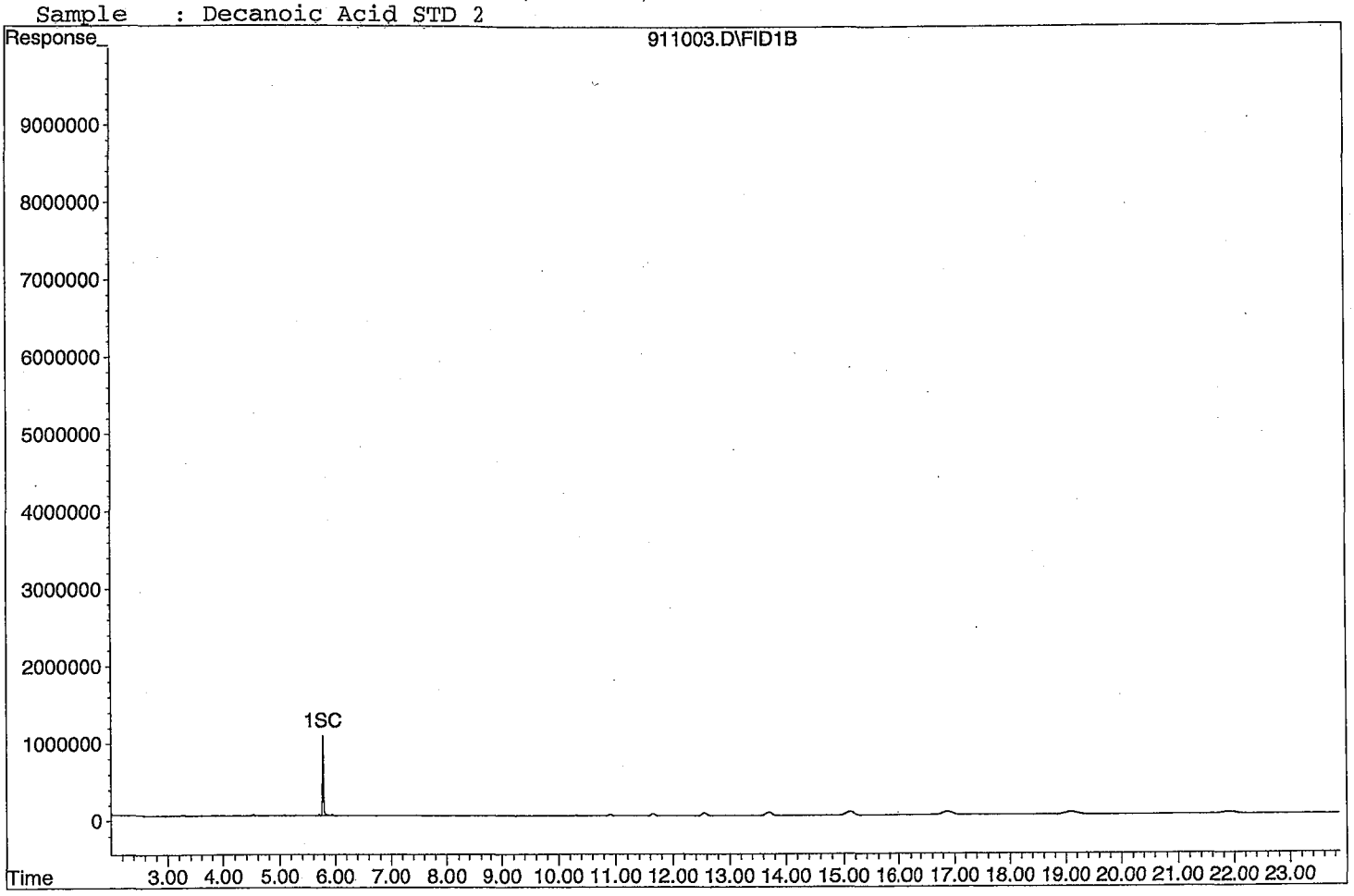
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

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

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

Quantitation Report

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



Quantitation Report (Not Reviewed)

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

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

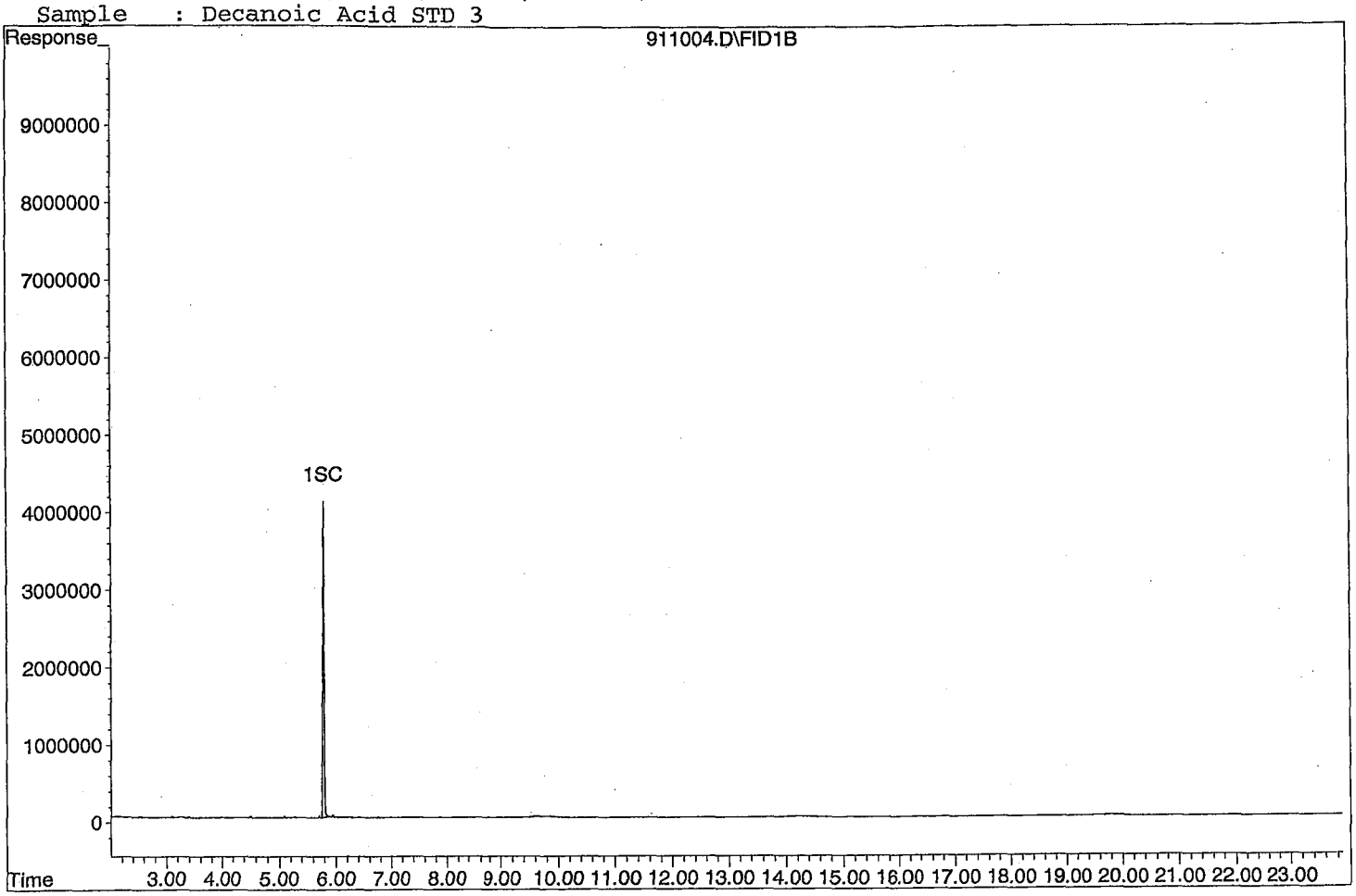
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

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

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

Quantitation Report

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



Quantitation Report (Not Reviewed)

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

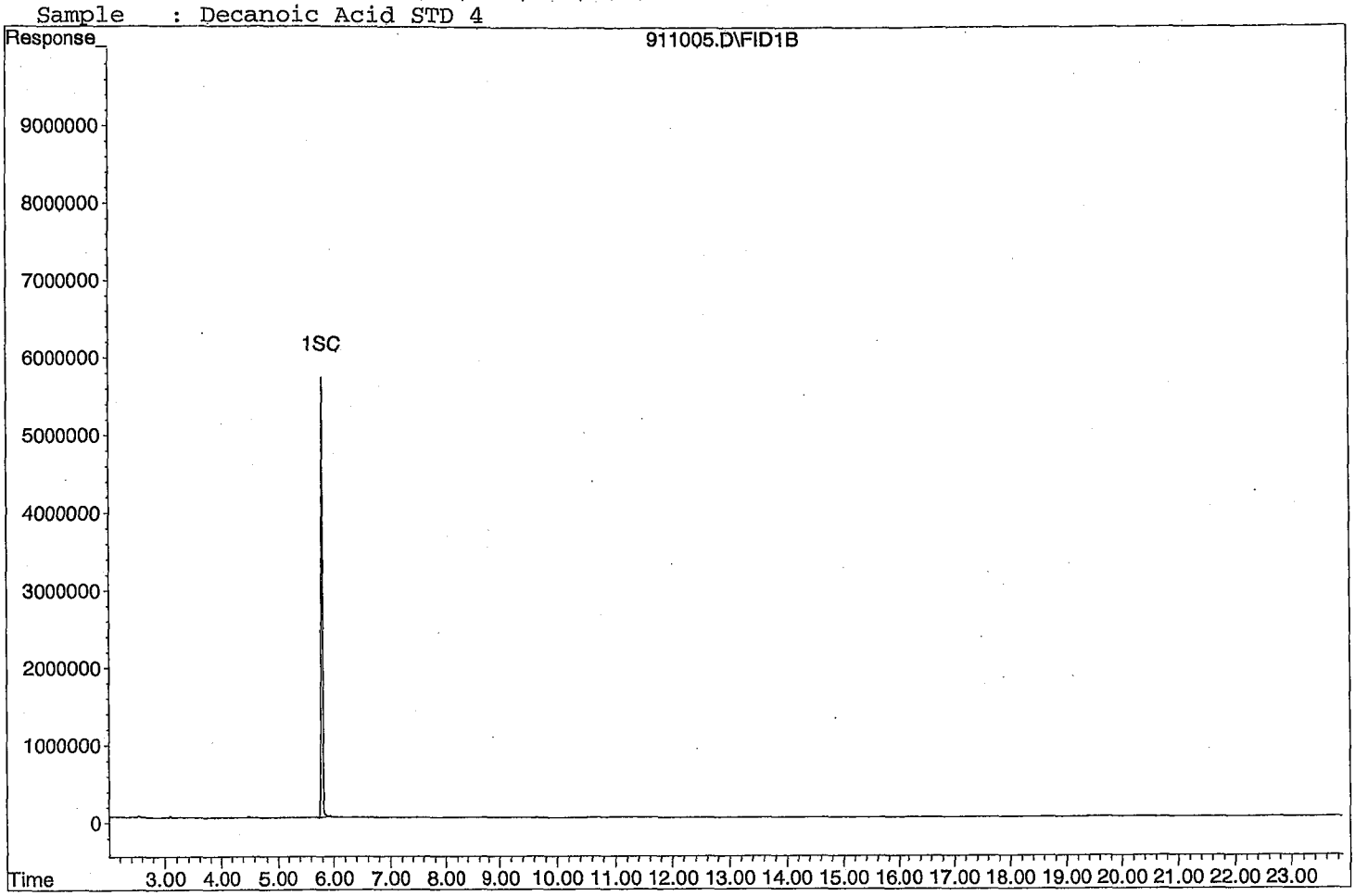
Method : G:\APOLLO\DATA\210808\DEC0911.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Mon Sep 13 09:30:16 2021
Response via : Multiple Level Calibration

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

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

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

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



Quantitation Report (Not Reviewed)

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

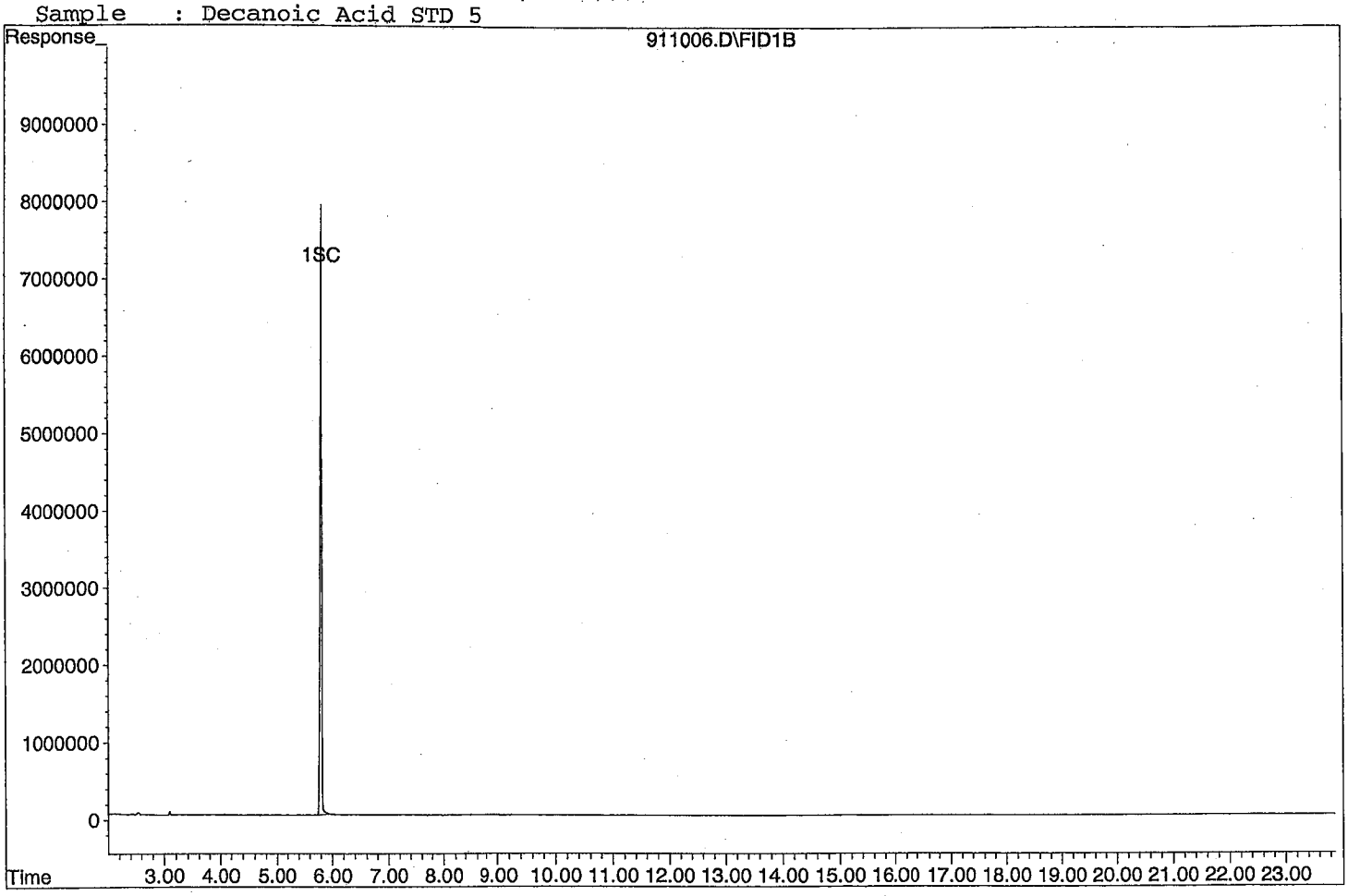
Method : G:\APOLLO\DATA\210808\DEC0911.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Mon Sep 13 09:30:16 2021
Response via : Multiple Level Calibration

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

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

Quantitation Report

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



Quantitation Report (Not Reviewed)

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

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

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

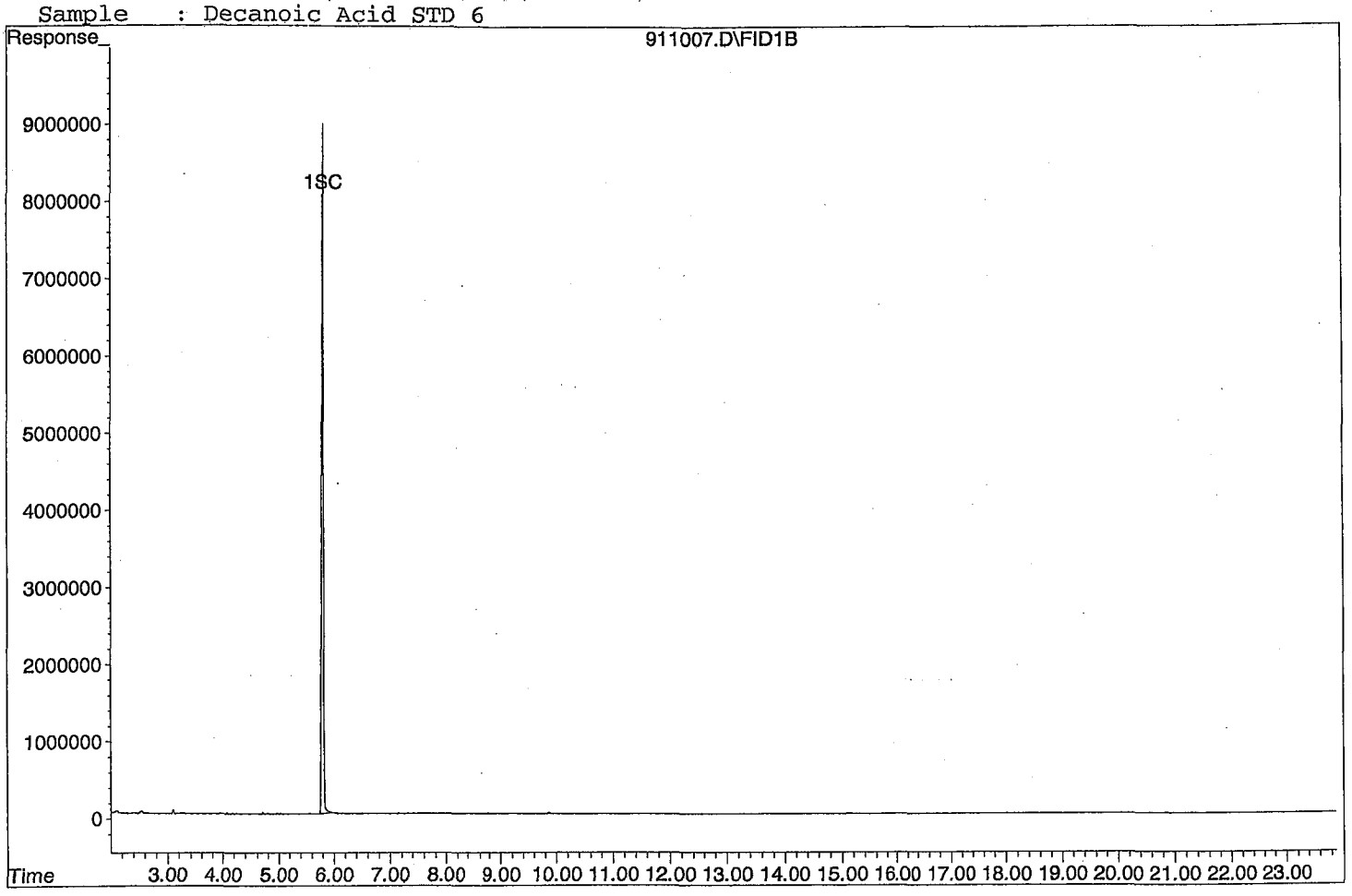
Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) SC Decanoic Acid(S)	5.81	181192435	70.609	ppb
Surrogate Spike 24.000		Recovery =	294.20%	

Target Compounds

Target Compounds

Quantitation Report

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



TPH Extractables
DOC0831

Form 7
Continuing Calibration

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

SDG No:
Date Analyzed: 10/8/2021
Instrument: Apollo
Initial Cal. Date: 8/30/2021
Data File: 1007053.D

		Compound	MEAN	CCRF	%D	%Drift	
1	HATM	Diesel (C10-C24)	2019600	1949340	3.5	HATM	
2	HBTM	Motor Oil (C24-C40)	2035830	1469830	28	HBTML	3.9
3	SA	Ortho-Terphenyl(S)	2590720	2560340	1.2	SA	
4	SA	Octacosane(S)	1926380	1847150	4.1	SA	
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40							
		Average			9.2		

Quantitation Report (Not Reviewed)

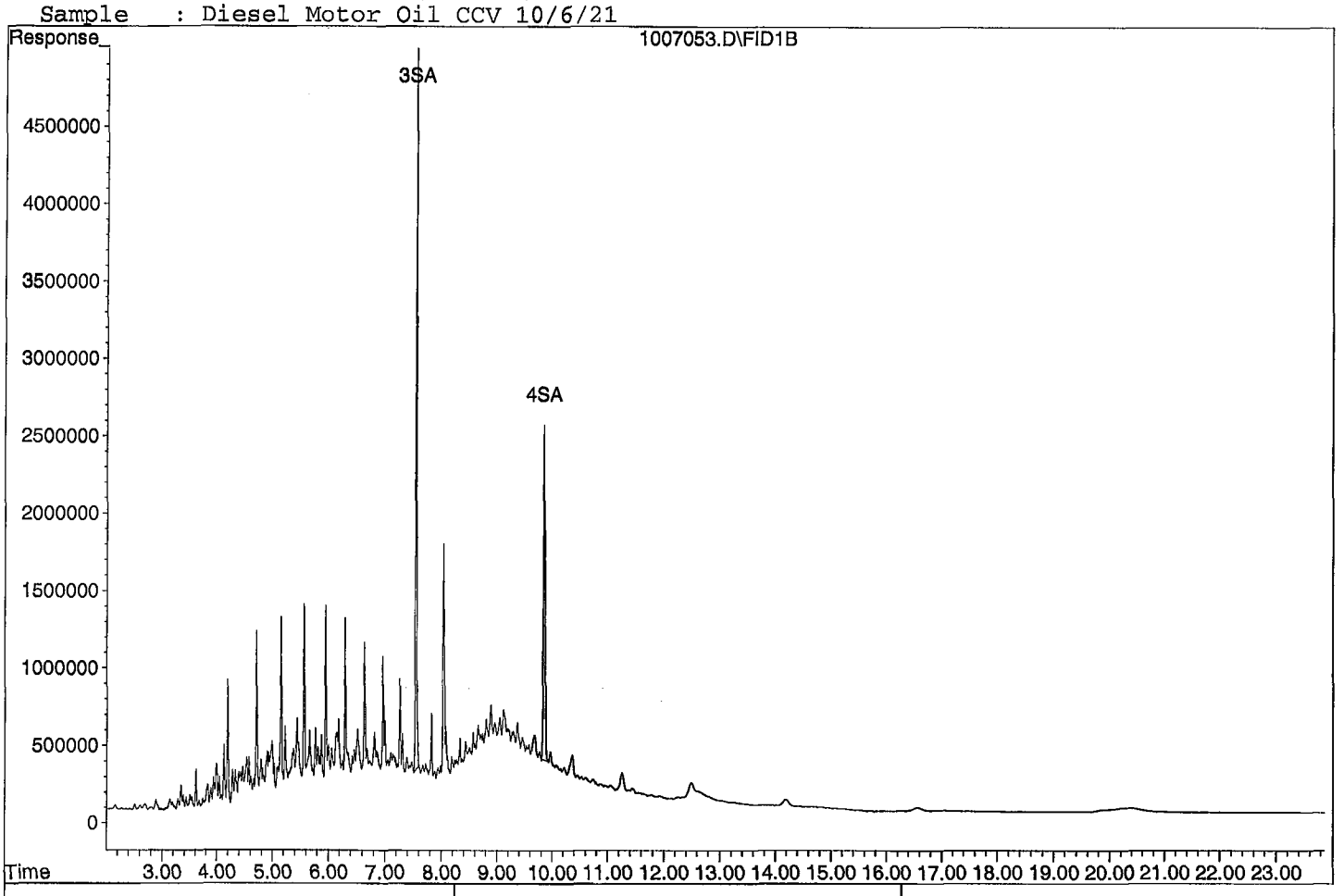
Data File : G:\APOLLO\DATA\211007\1007053.D Vial: 53
Acq On : 10-8-21 18:12:21 Operator: KA
Sample : Diesel Motor Oil CCV 10/6/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 9 10:51 2021 Quant Results File: DOC0830.RES

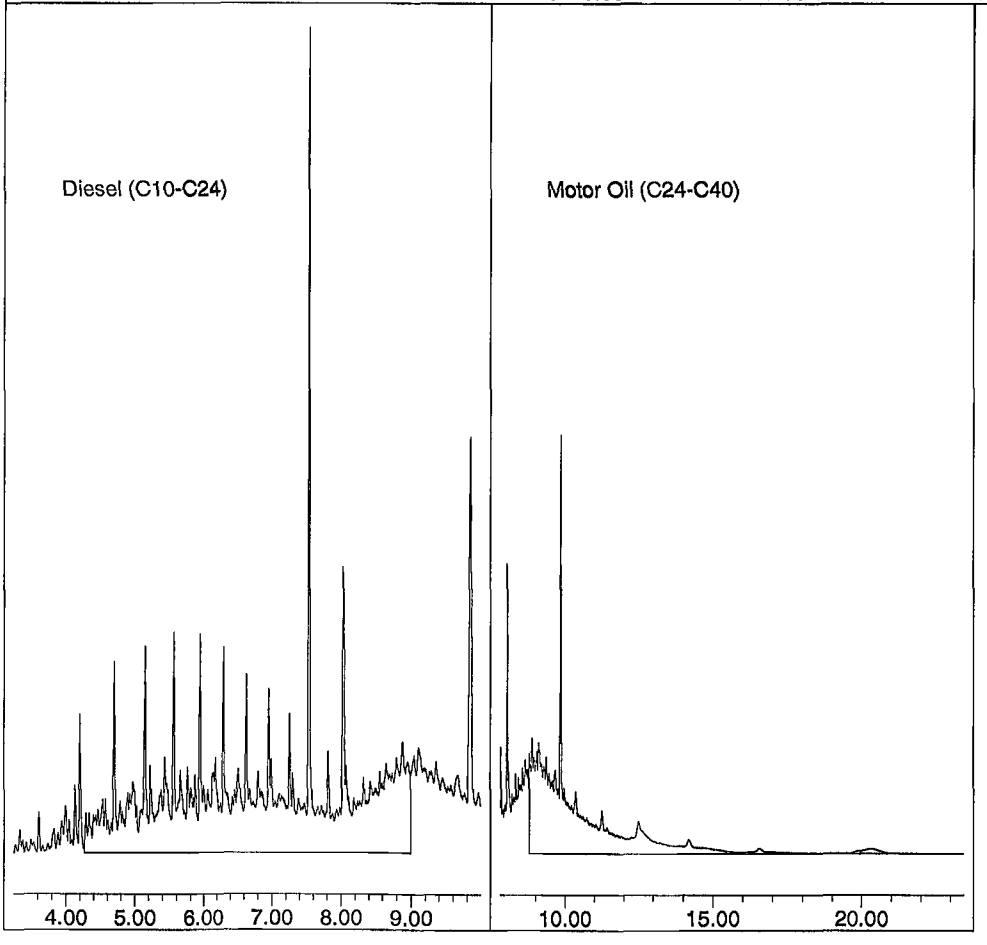
Method : G:\APOLLO\DATA\211007\DOC0830.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Mon Oct 11 17:41:08 2021
Response via : Multiple Level Calibration

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	64008609	12.353 ppb
Surrogate Spike 30.000	Recovery =		41.18%
4) SA Octacosane(S)	9.84	46178811	11.986 ppb
Surrogate Spike 30.000	Recovery =		39.95%
Target Compounds			
1) HATM Diesel (C10-C24)	6.63	974672480	241.304 ppb
2) HBTM Motor Oil (C24-C40)	15.62	734913448	240.329 ppb
Target Compounds			

Data File: G:\APOLLO\DATA\211007\1007053.D
Sample : Diesel Motor Oil CCV 10/6/21





TPH Extractables
DEC0911

Form 7

Continuing Calibration

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

SDG No:
Date Analyzed: 10/8/2021
Instrument: Apollo
Initial Cal. Date: 9/11/2021
Data File: 1007054.D

		Compound	MEAN	CCRF	%D	%Drift	
1	SC	Decanoic Acid(S)	1283070	1148290	11	SC	
2							
3							
4							
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40							
		Average			11.0		

Quantitation Report (Not Reviewed)

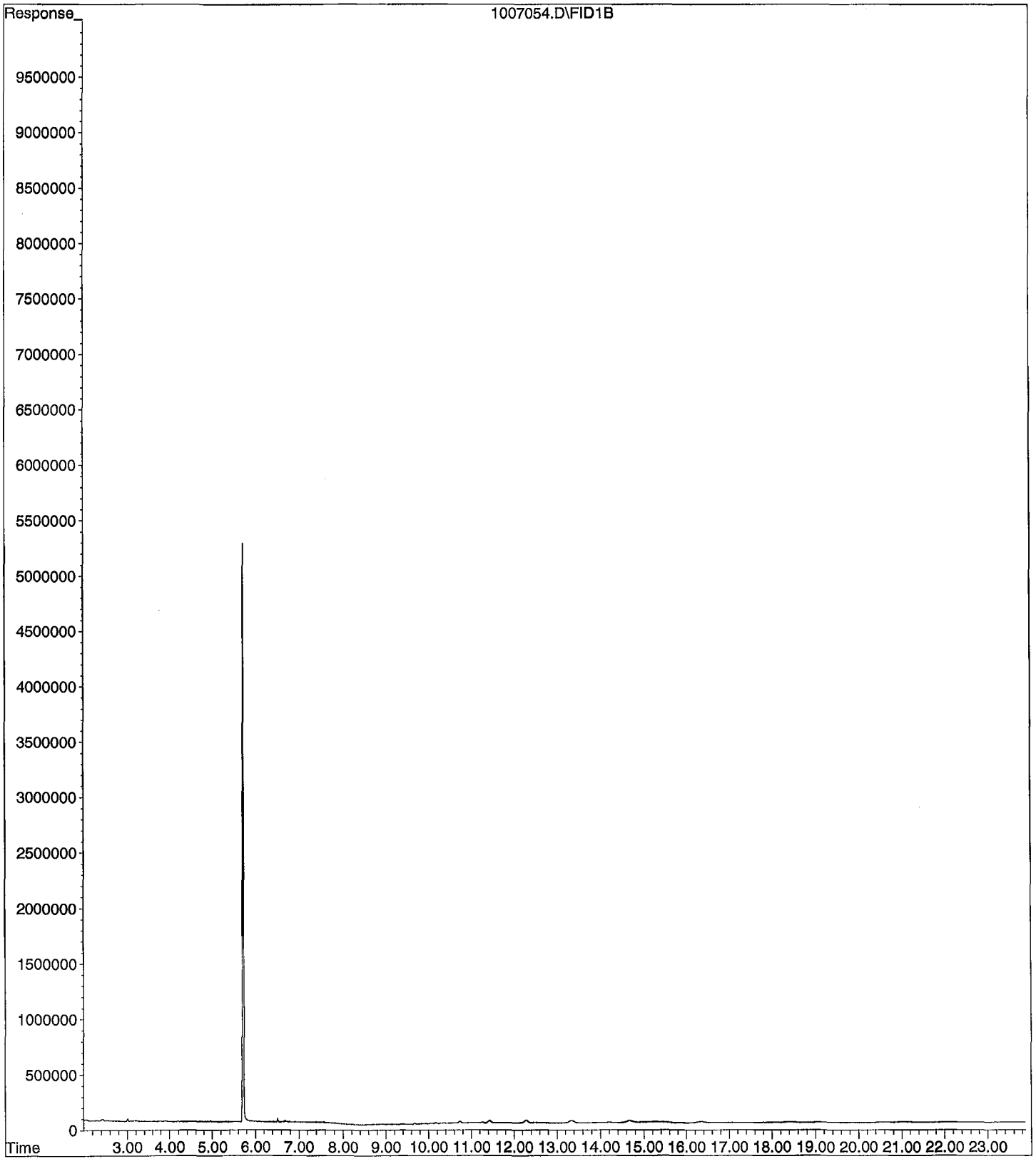
Data File : G:\APOLLO\DATA\211007\1007054.D Vial: 54
Acq On : 10-8-21 18:40:38 Operator: KA
Sample : Decanoic Acid CCV 10/08/21 Inst : Apollo
Misc : water Multiplr: 5.00
IntFile : events.e
Quant Time: Oct 9 10:53 2021 Quant Results File: DEC0911.RES

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

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

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) SC Decanoic Acid(S)	5.73f	82676530	161.091 ppb
Surrogate Spike 120.000		Recovery =	134.24%
Target Compounds			
Target Compounds			

File : G:\APOLLO\DATA\211007\1007054.D
Operator : KA
Acquired : 10-8-21 18:40:38 using AcqMethod TPHSN.M
Instrument : Apollo
Sample Name: Decanoic Acid CCV 10/08/21
Misc Info : water
Vial Number: 54



TPH Extractables
DOC0831

Form 7

Continuing Calibration

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

SDG No:
Date Analyzed: 10/9/2021
Instrument: Apollo
Initial Cal. Date: 8/30/2021
Data File: 1007067.D

		Compound	MEAN	CCRF	%D	%Drift	
1	HATM	Diesel (C10-C24)	2019600	1959360	3.0	HATM	
2	HBTM	Motor Oil (C24-C40)	2035830	1453030	29	HBTML	5.0
3	SA	Ortho-Terphenyl(S)	2590720	2662760	2.8	SA	
4	SA	Octacosane(S)	1926380	1874320	2.7	SA	
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39							
40							
		Average			9.4		

Quantitation Report (Not Reviewed)

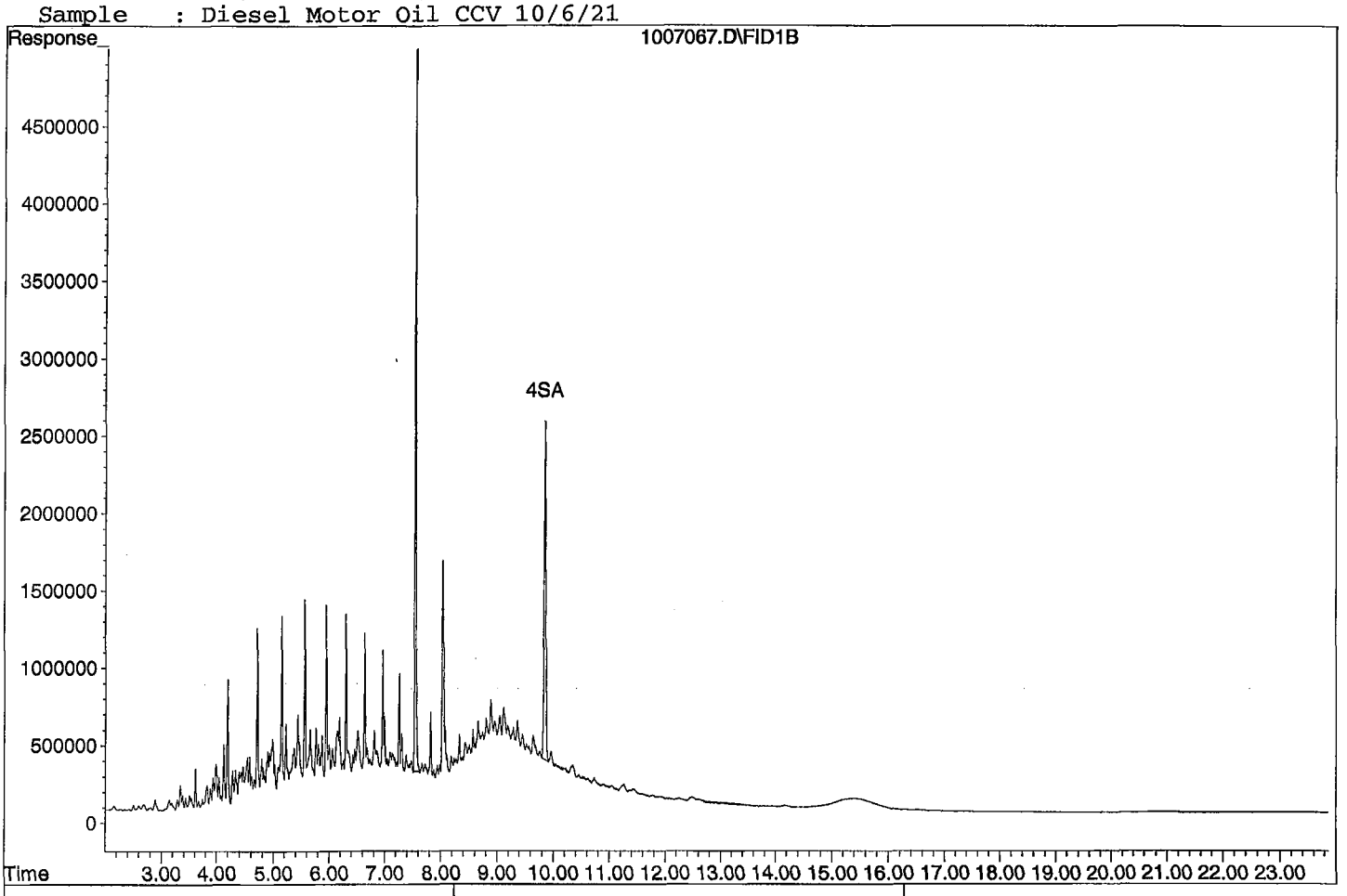
Data File : G:\APOLLO\DATA\211007\1007067.D Vial: 67
Acq On : 10-9-21 0:46:19 Operator: KA
Sample : Diesel Motor Oil CCV 10/6/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 9 12:02 2021 Quant Results File: DOC0830.RES

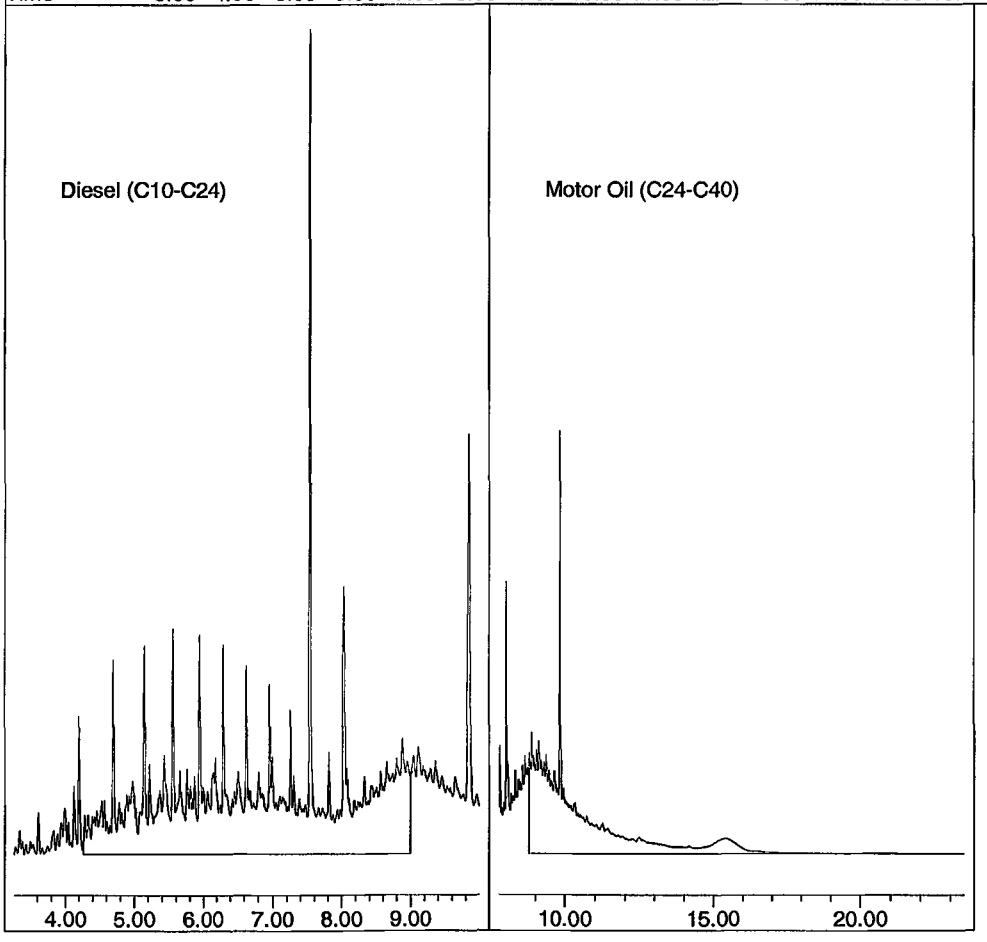
Method : G:\APOLLO\DATA\211007\DOC0830.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Mon Oct 11 17:41:08 2021
Response via : Multiple Level Calibration

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	66569058	12.848 ppb
Surrogate Spike 30.000		Recovery =	42.83%
4) SA Octacosane(S)	9.84	46857952	12.162 ppb
Surrogate Spike 30.000		Recovery =	40.54%
Target Compounds			
1) HATM Diesel (C10-C24)	6.63	979681646	242.544 ppb
2) HBTM Motor Oil (C24-C40)	15.62	726514874	237.491 ppb
Target Compounds			

Data File: G:\APOLLO\DATA\211007\1007067.D
Sample : Diesel Motor Oil CCV 10/6/21





TPH Extractables
DEC0911

Form 7

Continuing Calibration

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

SDG No:
Date Analyzed: 10/9/2021
Instrument: Apollo
Initial Cal. Date: 9/11/2021
Data File: 1007068.D

		Compound	MEAN	CCRF	%D	%Drift	
1	SC	Decanoic Acid(S)	1283070	1110750	13	SC	
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							
31							
32							
33							
34							
35							
36							
37							
38							
39							
40							
		Average			13.0		

Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\211007\1007068.D Vial: 68
Acq On : 10-9-21 1:14:23 Operator: KA
Sample : Decanoic Acid CCV 10/08/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 9 12:02 2021 Quant Results File: DEC0911.RES

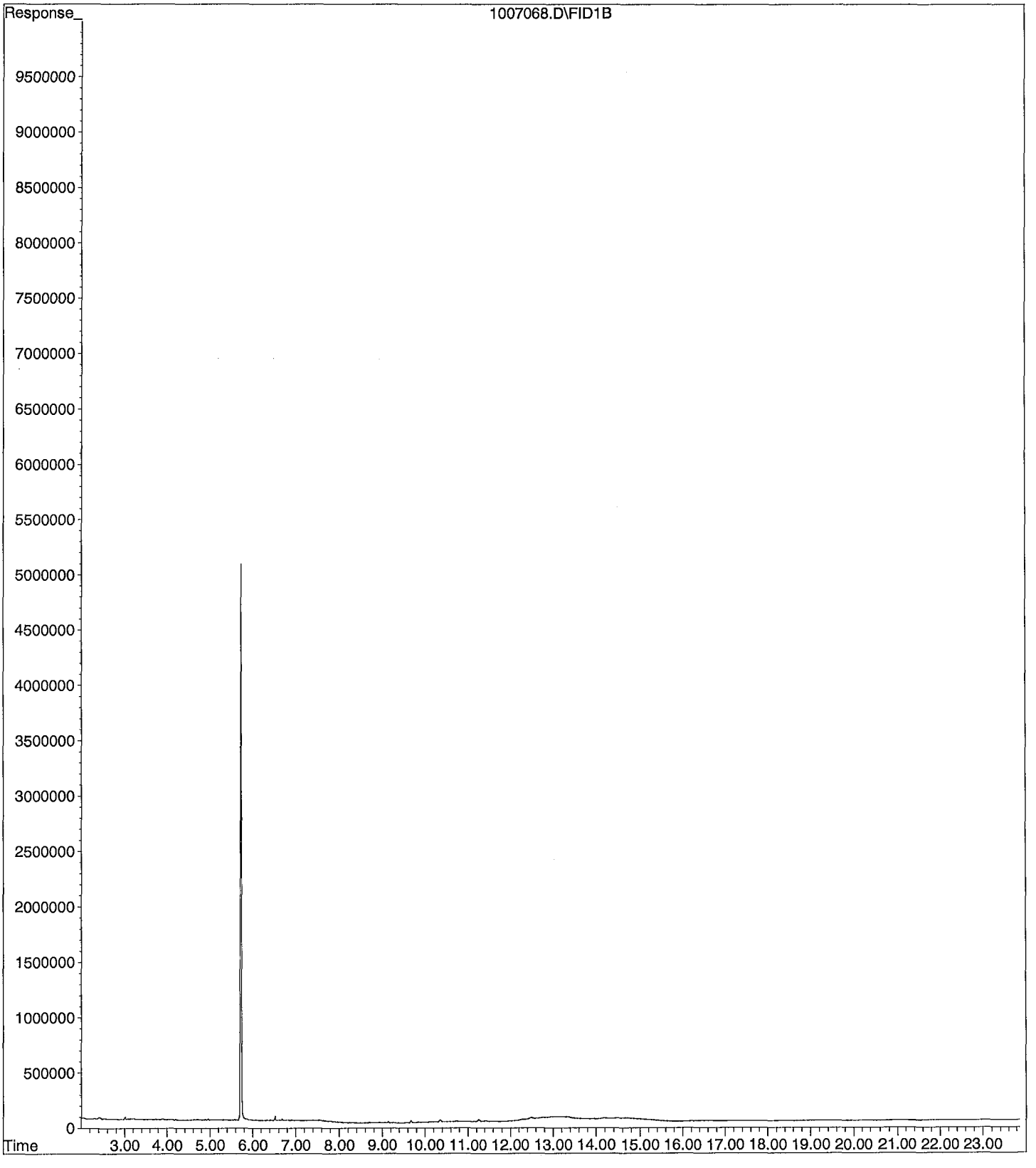
Method : G:\APOLLO\DATA\211007\DEC0911.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Mon Sep 13 09:30:16 2021
Response via : Multiple Level Calibration

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

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) SC Decanoic Acid(S)	5.73f	79973749	31.165 ppb
Surrogate Spike 24.000		Recovery =	129.85%
Target Compounds			
Target Compounds			

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

File : G:\APOLLO\DATA\211007\1007068.D
Operator : KA
Acquired : 10-9-21 1:14:23 using AcqMethod TPHSN.M
Instrument : Apollo
Sample Name: Decanoic Acid CCV 10/08/21
Misc Info : water
Vial Number: 68



ORGANICS
Raw Data

Quantitation Report (QT Reviewed)

Data File : G:\APOLLO\DATA\211007\1007063.D Vial: 63
Acq On : 10-8-21 22:54:04 Operator: KA
Sample : BA42228W10 5/1030 SG Inst : Apollo
Misc : water Multiplr: 0.97
IntFile : events.e
Quant Time: Oct 16 11:52 2021 Quant Results File: DOC0830.RES

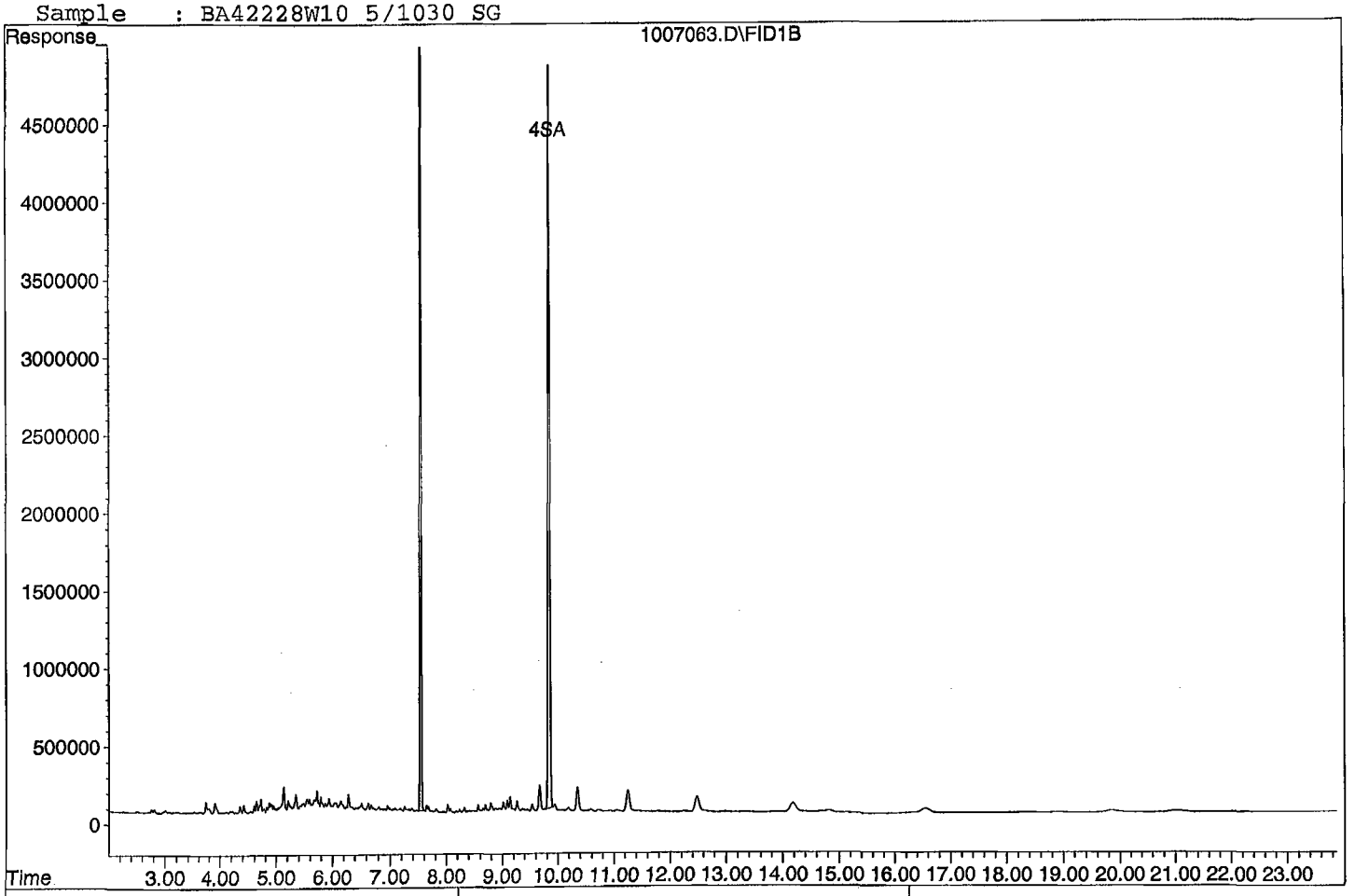
Method : G:\APOLLO\DATA\211007\DOC0830.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Mon Oct 11 17:41:08 2021
Response via : Multiple Level Calibration

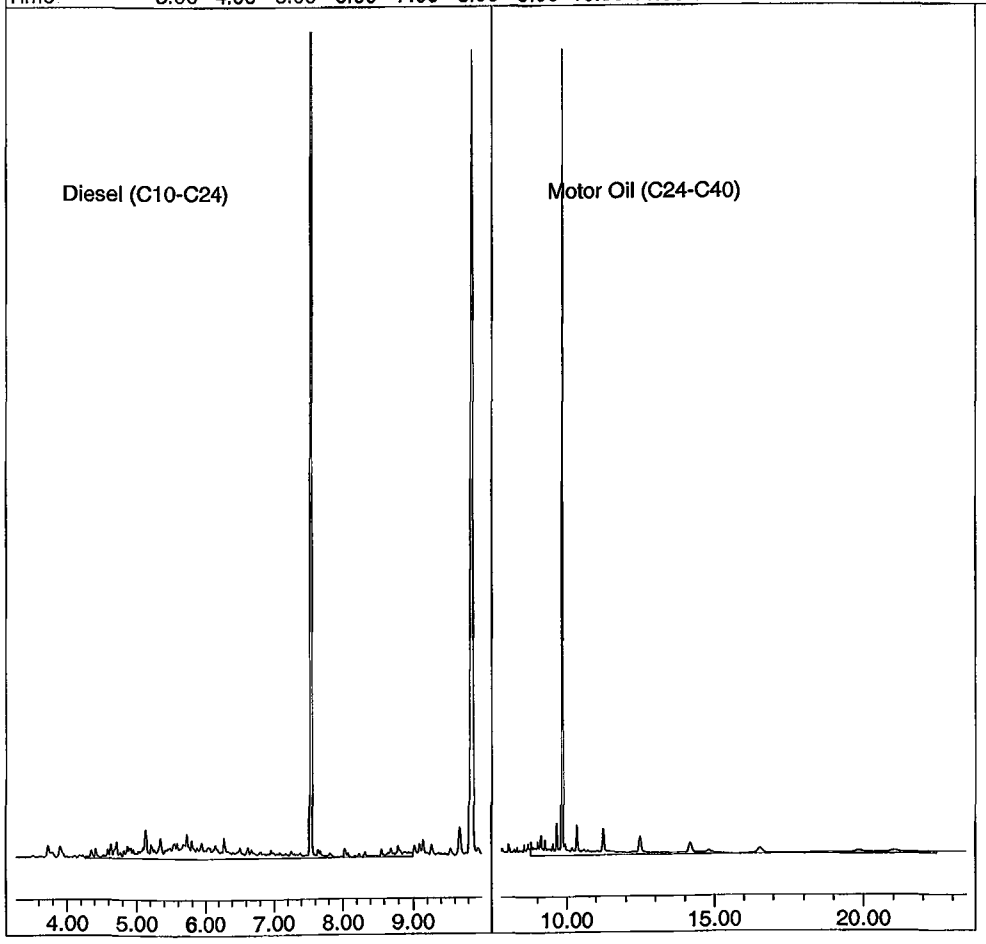
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.54	119894033	22.465 ppb
Surrogate Spike 29.126		Recovery =	77.13%
4) SA Octacosane(S)	9.84	104784367	26.405 ppb
Surrogate Spike 29.126		Recovery =	90.66%
Target Compounds			
1) HATM Diesel (C10-C24)	6.63	102395994	24.612 ppb
2) HBTM Motor Oil (C24-C40)	15.62	152207607	42.109 ppb
Target Compounds			

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

Data File: G:\APOLLO\DATA\211007\1007063.D
Sample : BA42228W10 5/1030 SG





Quantitation Report (QT Reviewed)

Data File : G:\APOLLO\DATA\211007\1007064.D Vial: 64
Acq On : 10-8-21 23:22:07 Operator: KA
Sample : BA42229W10 5/1030 SG Inst : Apollo
Misc : water Multiplr: 0.97
IntFile : events.e
Quant Time: Oct 16 11:52 2021 Quant Results File: DOC0830.RES

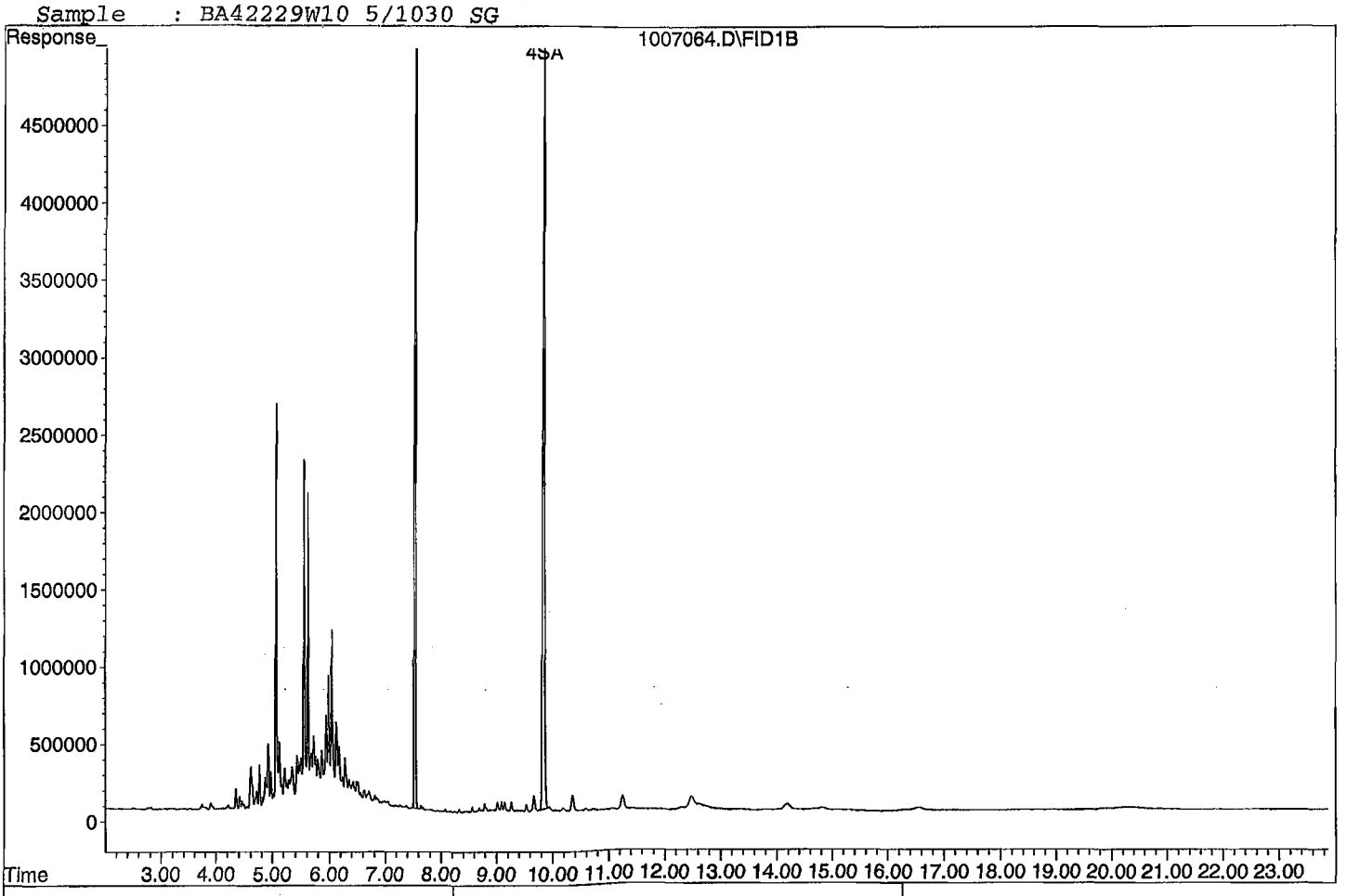
Method : G:\APOLLO\DATA\211007\DOC0830.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Mon Oct 11 17:41:08 2021
Response via : Multiple Level Calibration

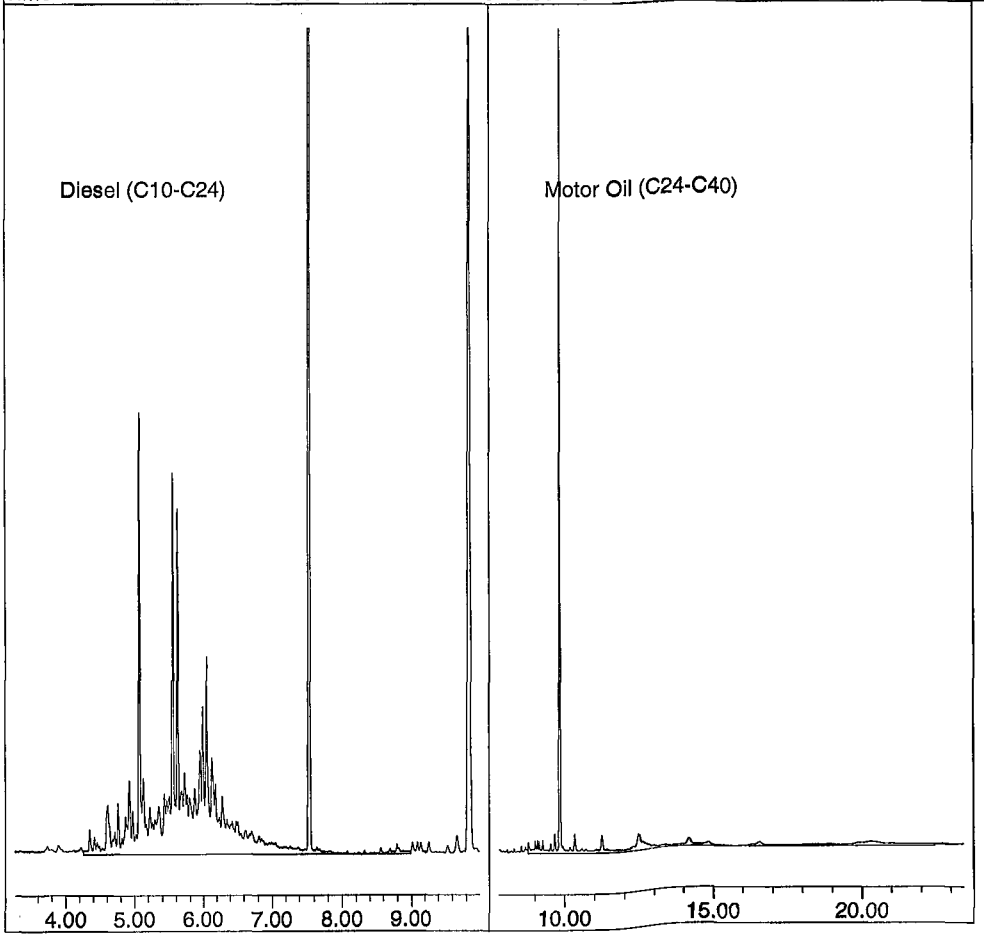
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.54	125905215	23.592 ppb
Surrogate Spike 29.126		Recovery =	81.00%
4) SA Octacosane(S)	9.84	113763209	28.668 ppb
Surrogate Spike 29.126		Recovery =	98.43%
Target Compounds			
1) HATM Diesel (C10-C24)	6.63	430142397	103.390 ppb
2) HBTM Motor Oil (C24-C40)	15.62	137148012	37.167 ppb
Target Compounds			

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

Data File: G:\APOLLO\DATA\211007\1007064.D
Sample : BA42229W10 5/1030 SG





Quantitation Report (QT Reviewed)

Data File : G:\APOLLO\DATA\211007\1007065.D Vial: 65
Acq On : 10-8-21 23:50:11 Operator: KA
Sample : BA42230W10 5/1030 SG Inst : Apollo
Misc : water Multiplr: 0.97
IntFile : events.e
Quant Time: Oct 16 11:52 2021 Quant Results File: DOC0830.RES

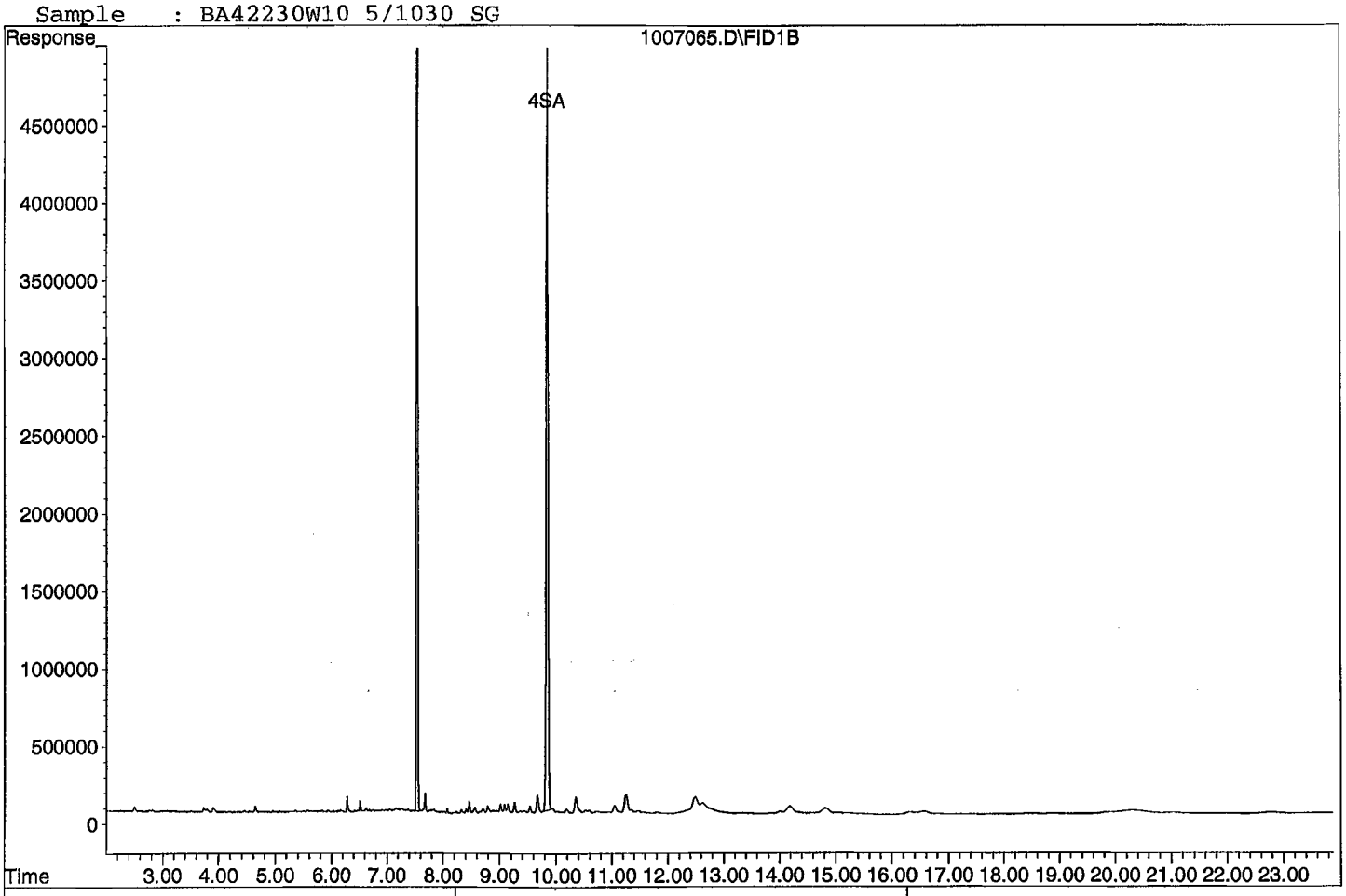
Method : G:\APOLLO\DATA\211007\DOC0830.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Mon Oct 11 17:41:08 2021
Response via : Multiple Level Calibration

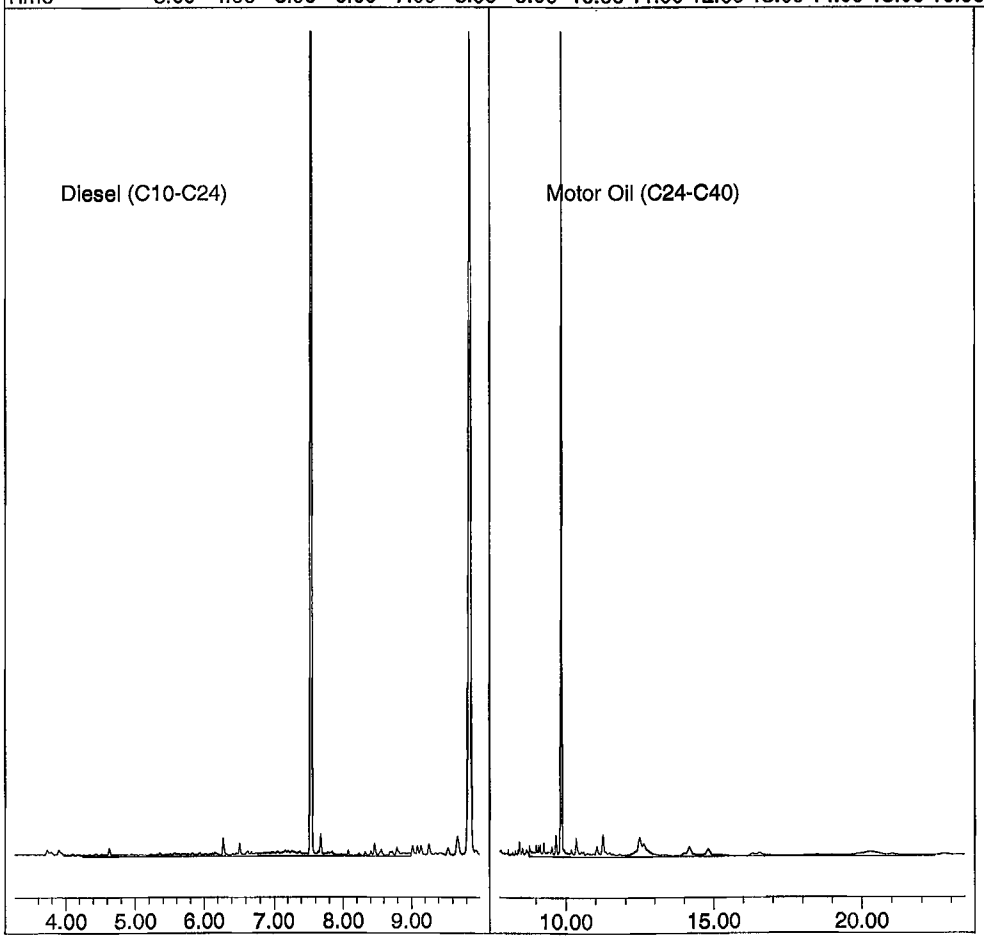
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.54	112254116	21.034 ppb
Surrogate Spike 29.126		Recovery =	72.22%
4) SA Octacosane(S)	9.84	107339891	27.049 ppb
Surrogate Spike 29.126		Recovery =	92.87%
Target Compounds			
1) HATM Diesel (C10-C24)	6.63	47261012	11.360 ppb
2) HBTM Motor Oil (C24-C40)	15.62	136724182	37.028 ppb
Target Compounds			

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

Data File: G:\APOLLO\DATA\211007\1007065.D
Sample : BA42230W10 5/1030 SG





Quantitation Report (QT Reviewed)

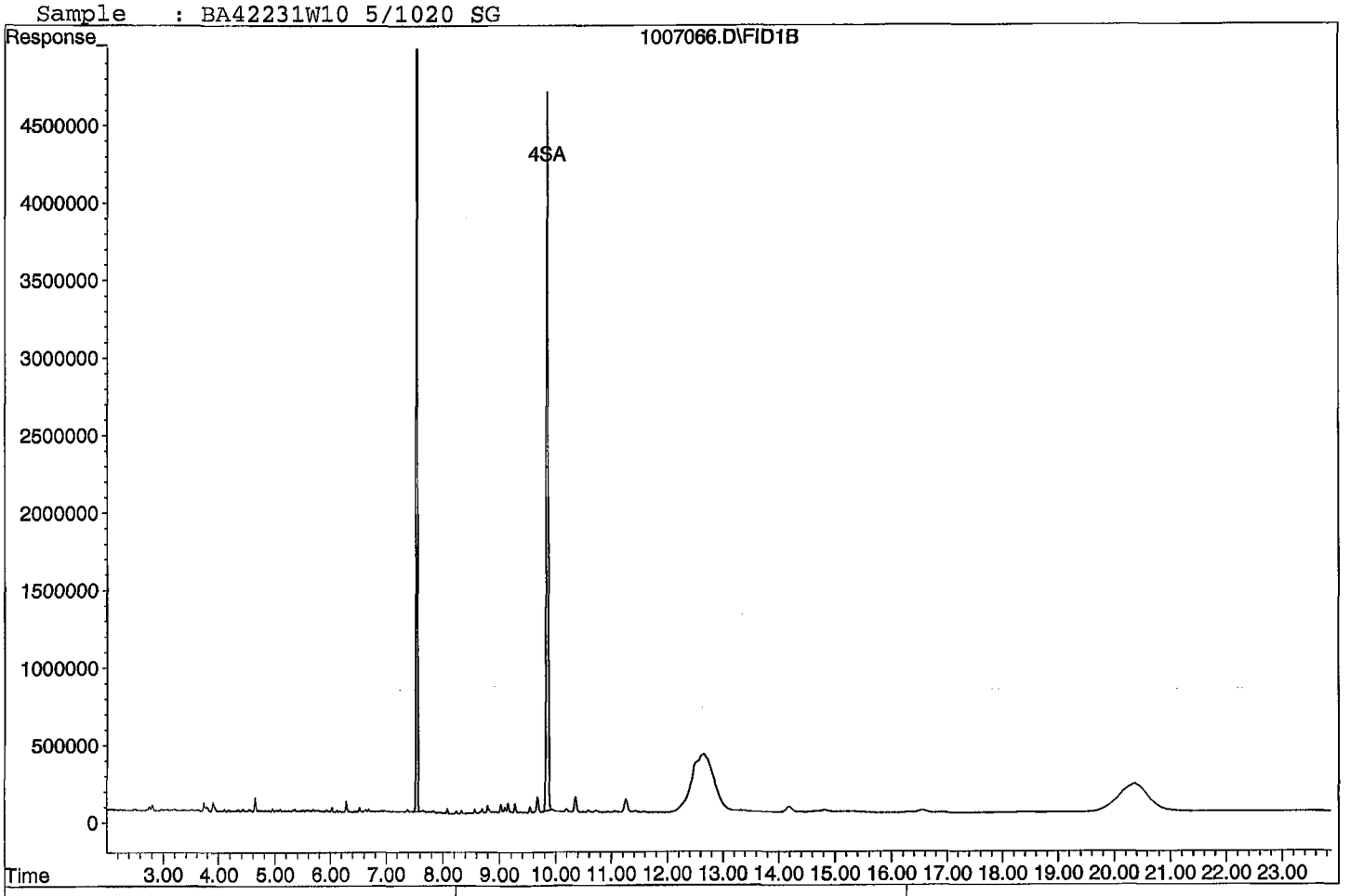
Data File : G:\APOLLO\DATA\211007\1007066.D Vial: 66
Acq On : 10-9-21 0:18:16 Operator: KA
Sample : BA42231W10 5/1020 SG Inst : Apollo
Misc : water Multiplr: 0.98
IntFile : events.e
Quant Time: Oct 16 11:52 2021 Quant Results File: DOC0830.RES

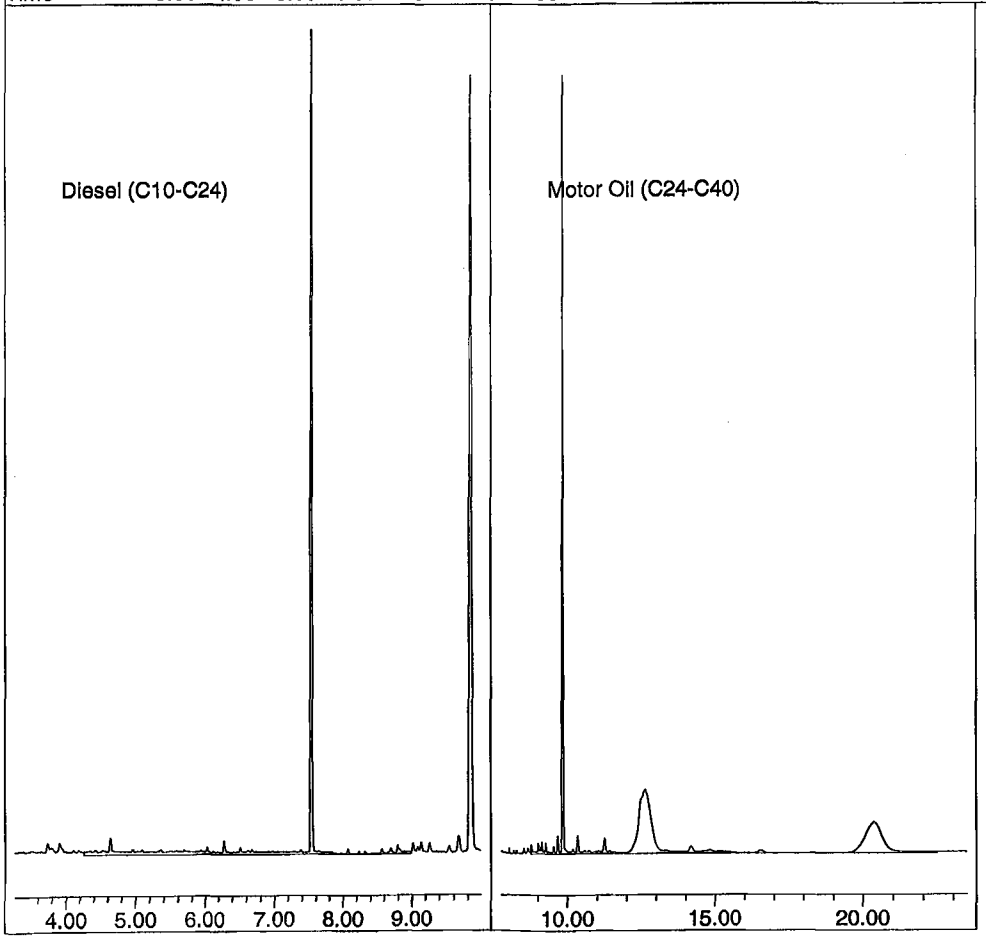
Method : G:\APOLLO\DATA\211007\DOC0830.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Mon Oct 11 17:41:08 2021
Response via : Multiple Level Calibration

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	112364801	21.261 ppb
Surrogate Spike 29.412		Recovery =	72.29%
4) SA Octacosane(S)	9.84	98699602	25.116 ppb
Surrogate Spike 29.412		Recovery =	85.39%
Target Compounds			
1) HATM Diesel (C10-C24)	6.63	49022390	11.899 ppb
2) HBTM Motor Oil (C24-C40)	15.62	254039255	76.266 ppb
Target Compounds			

Data File: G:\APOLLO\DATA\211007\1007066.D
Sample : BA42231W10 5/1020 SG





Quantitation Report (QT Reviewed)

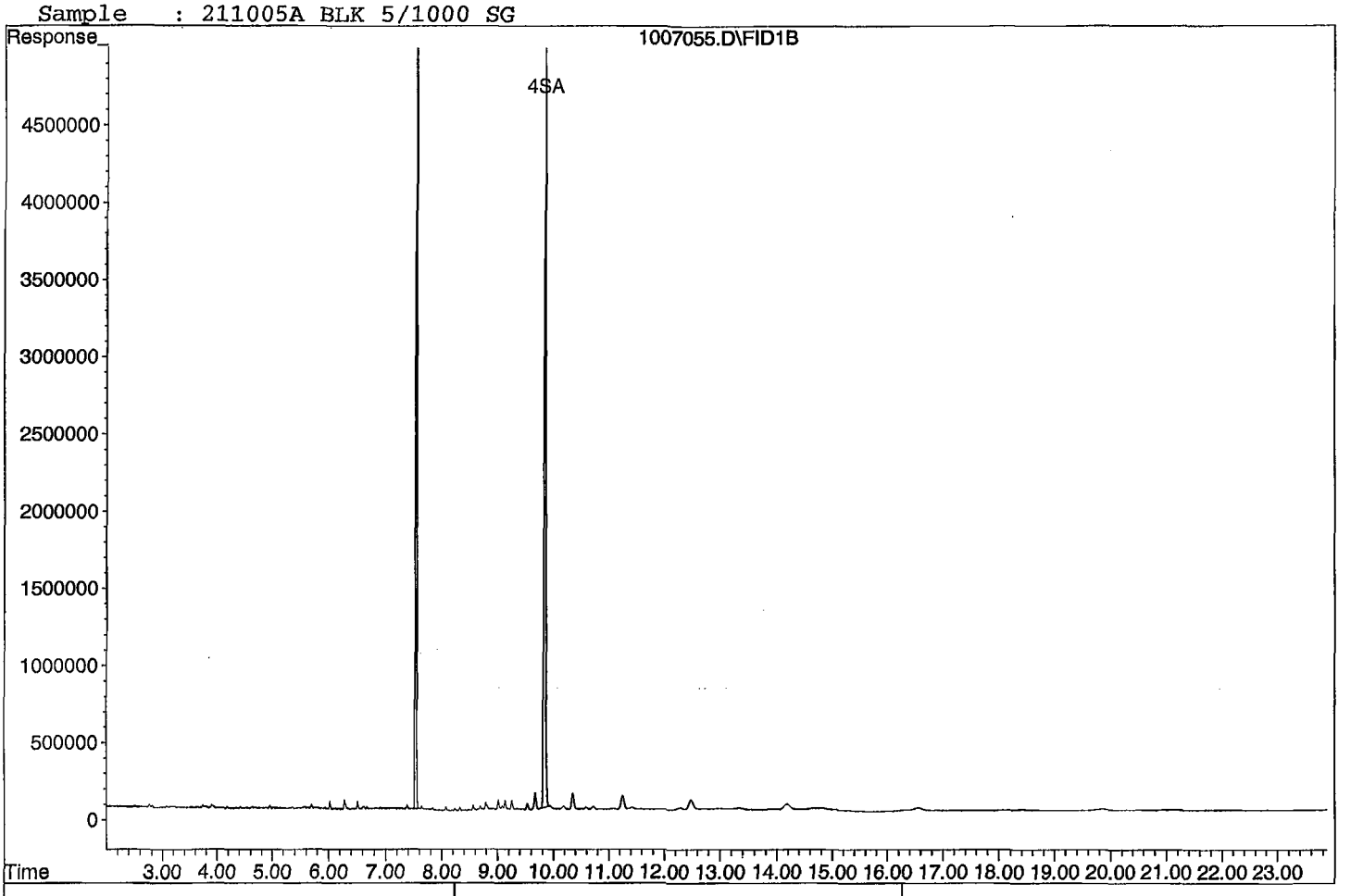
Data File : G:\APOLLO\DATA\211007\1007055.D Vial: 55
Acq On : 10-8-21 19:08:51 Operator: KA
Sample : 211005A BLK 5/1000 SG Inst : Apollo
Misc : water Multiplr: 5.00
IntFile : events.e
Quant Time: Oct 16 11:52 2021 Quant Results File: DOC0830.RES

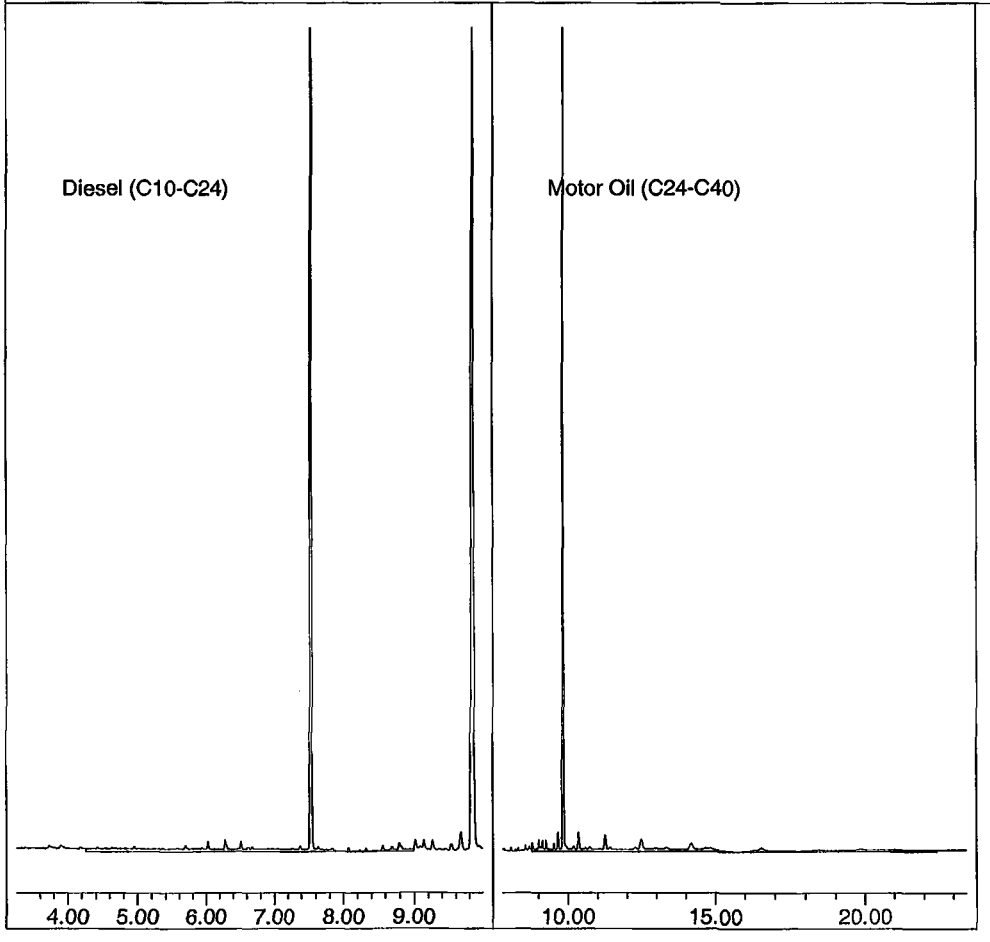
Method : G:\APOLLO\DATA\211007\DOC0830.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Mon Oct 11 17:41:08 2021
Response via : Multiple Level Calibration

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	121299384	117.052 ppb
Surrogate Spike 150.000		Recovery =	78.03%
4) SA Octacosane(S)	9.84	106521342	138.241 ppb
Surrogate Spike 150.000		Recovery =	92.16%
Target Compounds			
1) HATM Diesel (C10-C24)	6.63	46735572	57.853 ppb
2) HBTM Motor Oil (C24-C40)	15.62	119492765	161.573 ppb
Target Compounds			

Data File: G:\APOLLO\DATA\211007\1007055.D
Sample : 211005A BLK 5/1000 SG





Quantitation Report (QT Reviewed)

Data File : G:\APOLLO\DATA\211007\1007056.D Vial: 56
Acq On : 10-8-21 19:37:04 Operator: KA
Sample : 211005A LCS-1 5/1000 SG Inst : Apollo
Misc : water Multiplr: 5.00
IntFile : events.e
Quant Time: Oct 16 11:52 2021 Quant Results File: DOC0830.RES

Method : G:\APOLLO\DATA\211007\DOC0830.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Mon Oct 11 17:41:08 2021
Response via : Multiple Level Calibration

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

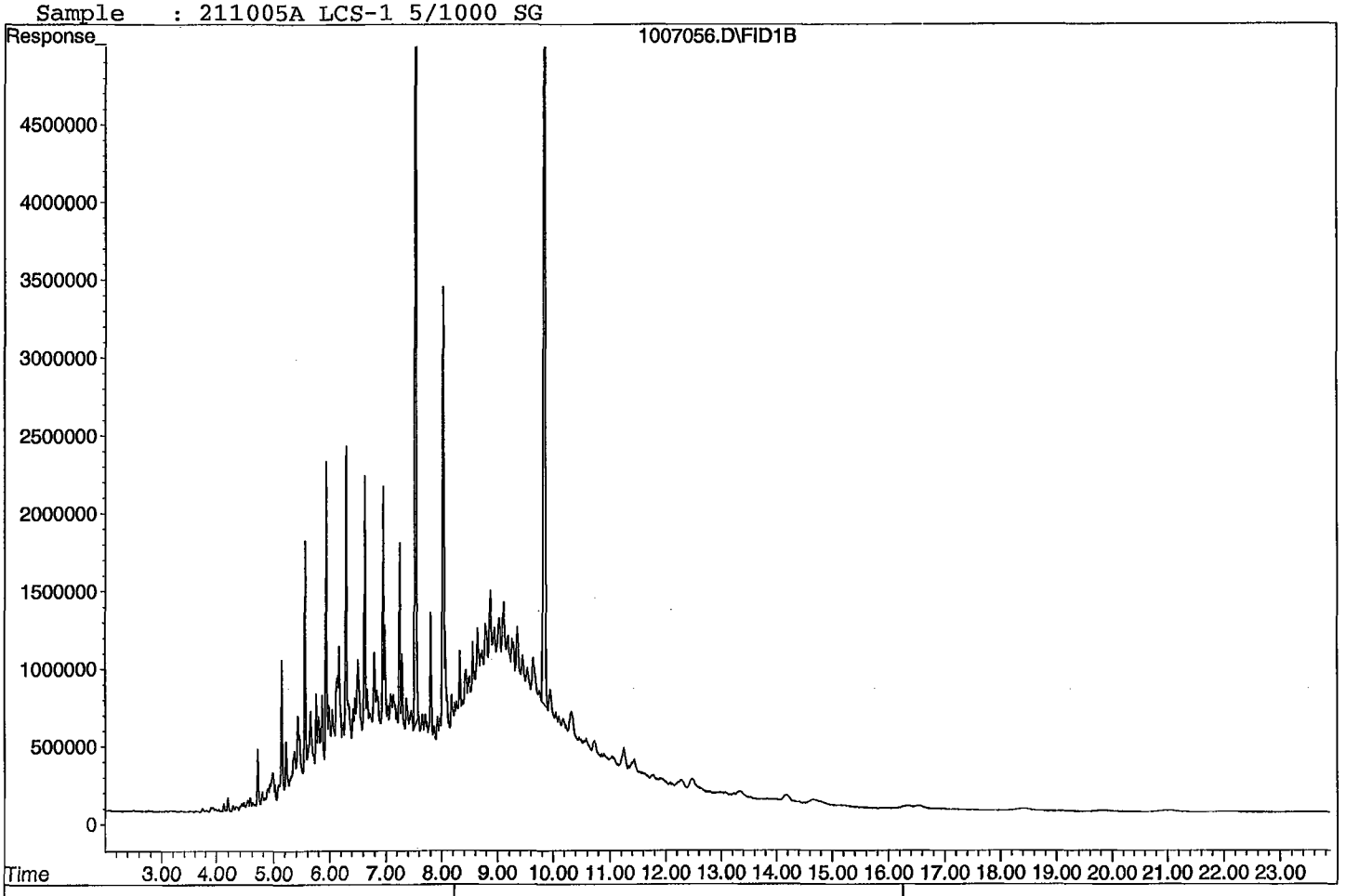
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.54	160299825	154.687 ppb
Surrogate Spike 150.000		Recovery =	103.12%
4) SA Octacosane(S)	9.85	122966660	159.583 ppb
Surrogate Spike 150.000		Recovery =	106.39%
Target Compounds			
1) HATM Diesel (C10-C24)	6.63	1717337898	2125.843 ppb
2) HBTM Motor Oil (C24-C40)	15.62	1433684112	2382.585 ppb
Target Compounds			

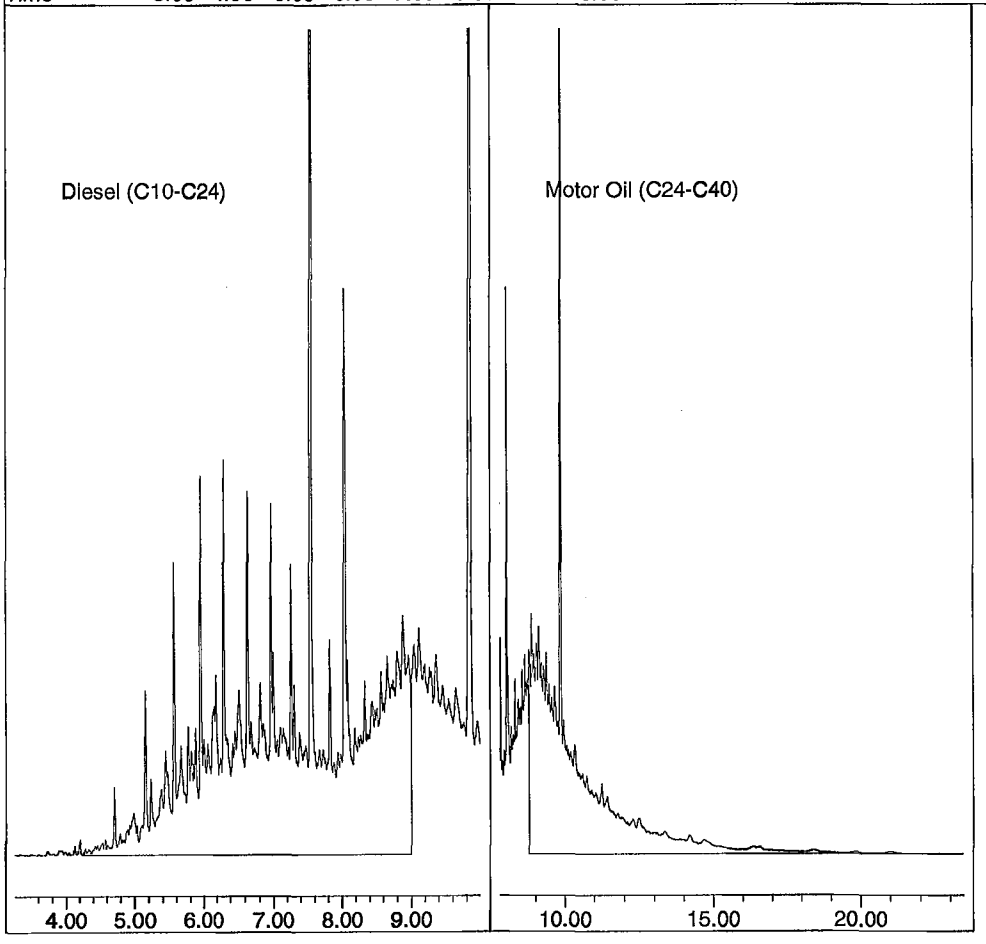
Diesel:

$$\frac{(1717337898)(5)}{(2019597)(2)} = \frac{8586689490}{4039194} = 2125.84$$

(f)=RT Delta > 1/2 Window
1007056.D DOC0830.M Sat Oct 16 13:09:45 2021 (m)=manual int.

Data File: G:\APOLLO\DATA\211007\1007056.D
Sample : 211005A LCS-1 5/1000 SG





Quantitation Report (QT Reviewed)

Data File : G:\APOLLO\DATA\211007\1007057.D Vial: 57
Acq On : 10-8-21 20:05:15 Operator: KA
Sample : 211005A LCSD-1 5/1000 SG Inst : Apollo
Misc : water Multiplr: 5.00
IntFile : events.e
Quant Time: Oct 16 11:52 2021 Quant Results File: DOC0830.RES

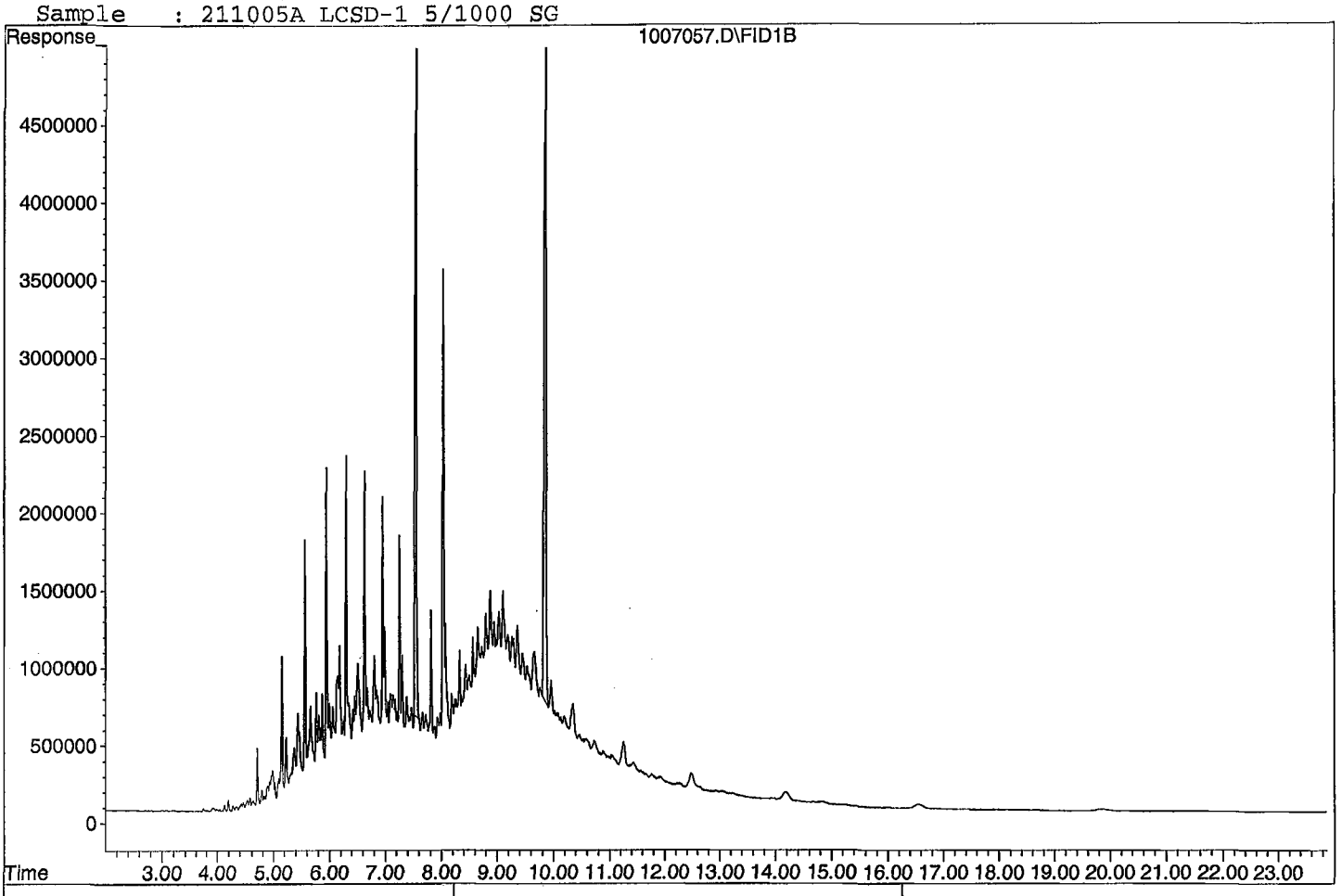
Method : G:\APOLLO\DATA\211007\DOC0830.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Mon Oct 11 17:41:08 2021
Response via : Multiple Level Calibration

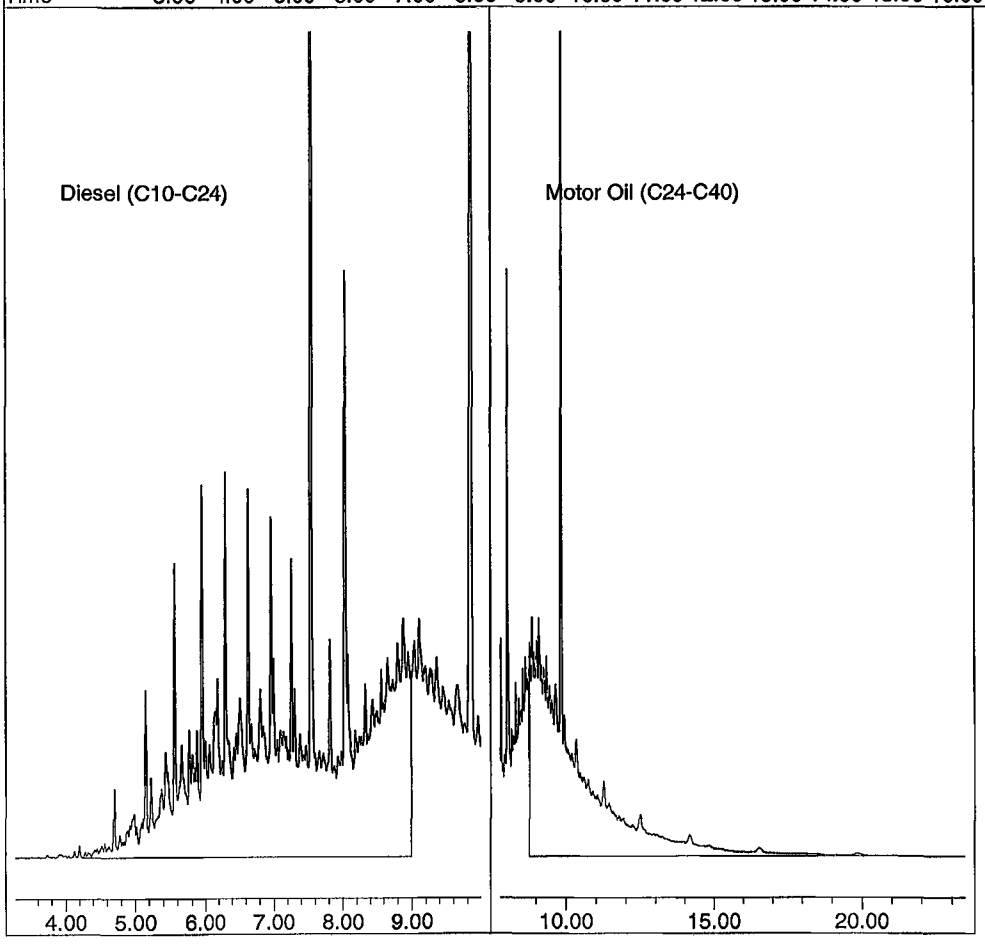
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.54	160900125	155.266 ppb
Surrogate Spike 150.000		Recovery =	103.51%
4) SA Octacosane(S)	9.85	125595626	162.995 ppb
Surrogate Spike 150.000		Recovery =	108.66%
Target Compounds			
1) HATM Diesel (C10-C24)	6.63	1741416322	2155.649 ppb
2) HBTM Motor Oil (C24-C40)	15.62	1449246867	2408.886 ppb
Target Compounds			

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

Data File: G:\APOLLO\DATA\211007\1007057.D
Sample : 211005A LCSD-1 5/1000 SG





Injection Log

Directory: G:\APOLLO\DATA\210830\

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	4	830004.D	1	DMO STD Curve 1	water	8-30-21 14:23:31
2	5	830005.D	1	DMO STD Curve 2	water	8-30-21 14:52:00
3	6	830006.D	1	DMO STD Curve 3	water	8-30-21 15:20:31
4	7	830007.D	1	DMO STD Curve 4	water	8-30-21 15:48:59
5	8	830008.D	1	DMO STD Curve 5	water	8-30-21 16:17:29
6	9	830009.D	1	DMO STD Curve 6	water	8-30-21 16:45:57
7	10	830010.D	1	DMO STD Curve 7	water	8-30-21 17:14:26
8	11	830011.D	1	DMO Second Source	water	8-30-21 17:43:02
9	2	911002.D	1	Decanoic Acid STD 1	water	9-11-21 10:22:53
10	3	911003.D	1	Decanoic Acid STD 2	water	9-11-21 10:51:11
11	4	911004.D	1	Decanoic Acid STD 3	water	9-11-21 11:19:39
12	5	911005.D	1	Decanoic Acid STD 4	water	9-11-21 11:48:04
13	6	911006.D	1	Decanoic Acid STD 5	water	9-11-21 12:16:37
14	7	911007.D	1	Decanoic Acid STD 6	water	9-11-21 12:45:02
15	53	1007053.D	1	Diesel Motor Oil CCV 10/6/21	water	10-8-21 18:12:21
16	54	1007054.D	5	Decanoic Acid CCV 10/08/21	water	10-8-21 18:40:38
17	55	1007055.D	5	211005A BLK 5/1000 SG	water	10-8-21 19:08:51
18	56	1007056.D	5	211005A LCS-1 5/1000 SG	water	10-8-21 19:37:04
19	57	1007057.D	5	211005A LCSD-1 5/1000 SG	water	10-8-21 20:05:15
20	63	1007063.D	0.970874	BA42228W10 5/1030 SG	water	10-8-21 22:54:04
21	64	1007064.D	0.970874	BA42229W10 5/1030 SG	water	10-8-21 23:22:07
22	65	1007065.D	0.970874	BA42230W10 5/1030 SG	water	10-8-21 23:50:11
23	66	1007066.D	0.980392	BA42231W10 5/1020 SG	water	10-9-21 0:18:16
24	67	1007067.D	1	Diesel Motor Oil CCV 10/6/21	water	10-9-21 0:46:19
25	68	1007068.D	1	Decanoic Acid CCV 10/08/21	water	10-9-21 1:14:23

_LIQ005SGC

Organic Extraction Worksheet

Method	Continuous Liq/Liq TPH- 3520C w/SGC	Extraction Set	211005A	Extraction Method	LIQ005SGC	Units	mL

Spiked ID 1	Diesel Motor Oil Mix 9/3/21-9/3/22		Surrogate ID 1	THC Surrogate 8/23/21-8/23/22	
Spiked ID 2	Decanoic 1000ug/mL Acid Solution 9/24/21-9/24/22		Surrogate ID 2		
Spiked ID 3	Decanoic 1000ug/mL Acid 10/2/21-10/2/22		Surrogate ID 3		
Spiked ID 4			Surrogate ID 4		
Spiked ID 5			Surrogate ID 5		
Spiked ID 6			Sufficient Vol for Matrix QC:	YES	
Spiked ID 7			Ext. Start Time:		
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	211005A Blk		0.050	2	0.250	1 equip	1000	5	2	10/05/21 11:14	
2	211005A LCS-1		0.080,0.50	1,2	0.250	1 equip	1000	5	2	10/05/21 11:14	
3	211005A LCSD-1		0.080,0.50	1,2	0.250	1 equip	1000	5	2	10/05/21 11:14	
4	BA42036	BA42036W09	0.050	2	0.250	1 equip	1030	5	2	10/05/21 11:14	97717
5	BA42037 MS-1	BA42037W20	0.080,0.50	1,2	0.250	1 equip	1040	5	2	10/05/21 11:14	97717
6	BA42037 MSD-1	BA42037W17	0.080,0.50	1,2	0.250	1 equip	1040	5	2	10/05/21 11:14	97717
7	BA42037	BA42037W22	0.050	2	0.250	1 equip	1040	5	2	10/05/21 11:14	97717
8	BA42038	BA42038W07	0.050	2	0.250	1 equip	1050	5	2	10/05/21 11:14	97717
9	BA42228	BA42228W10	0.050	3	0.250	1 equip	1030	5	2	10/05/21 11:14	97741
10	BA42229	BA42229W10	0.050	3	0.250	1 equip	1030	5	2	10/05/21 11:14	97741
11	BA42230	BA42230W10	0.050	3	0.250	1 equip	1030	5	2	10/05/21 11:14	97741
12	BA42231	BA42231W10	0.050	2	0.250	1 equip	1020	5	2	10/05/21 11:14	97741

Solvent and Lot#	
1+1 HCL (5mLs)	*
PH Strips	*
Dichloromethane (DCM)	61117
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	KY
Sample Preparation	SR
Extraction	
Concentration	

Modified	10/16/2021 1:13:59 PM

Reviewed By: **Date**

Diesel / Motor Oil Calibration Curve

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

Prepared By (Initials): KA

Methylene Chloride
Lot No. 60338

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

Diesel / Motor Oil Second Source

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

Prepared By (Initials): SS

Methylene Chloride Lot No. 58059

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

Diesel / Motor Oil CCV

Prepared : 10/6/2021

Expires: 5/31/2026

Prepared By (Initials): KA

Methylene Chloride Lot No. 61117

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

Diesel Motor Oil Mix

Prepared: 9/3/2021 **Prepared By (Initials): KA**

Expires: 9/3/2022

Initial Standard Information							Final Standard			
Name of Initial Standard (QAU Label)	Supplier	Supplier Part No.	Conc. (ug/mL)	Lot Number - QA Number	Exp. Date (1 yr.)	Exp. Date (Manufacturer)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/mL)
Diesel Fuel #2	Restek	31258	50,000	**A0164485-52823,52824,52662, 52661,52822**	**9/3/2021**	**10/31/2027**	4.00 mL	8.0 mL	NA	25,000
Motor Oil Composite	Restek	31464	50,000	**A0166510-52664 and 52818 and A0168842-52820 and 52821**	**9/3/2021**	**12/31/27 and 03/31/28**	4.00 mL			25,000

THC Surrogate

Prepared: 8/24/2021 **KA**

Expires: 8/24/2022

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)
O-terphenyl / Octacosane Mix	Phenova	ALO-130161	600	**CL16893-52838**	**8/24/2022**	**5/31/2026**	N/A	N/A	N/A	600

Decanoic Acid Calibration Curve

Prepared: 9/11/2021
Expires: 7/12/2022
Methylene Chloride Lot No. 61117

Prepared By (Initials): KA

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

Decanoic Acid CCV

Prepared: 10/8/2021
Expires: 7/8/2024
Methylene Chloride Lot No. 61117

Prepared By (Initials): KA

Initial Standard Information							Final Standard			
Name of Initial Standard (QAU Label)	Supplier	Supplier Part No.	Conc. (ug/mL)	Lot Number - QA Number	Exp. Date	Exp. Date (Manufacturer)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/mL)
Decanoic Acid	O2SI	72766	1,000	**070821-52693**	See man. Exp date	**7/8/2024**	360uL	10mL	MC	36

Decanoic Acid Spike

Prepared: 9/24/2021 **Prepared By (Initials):** KA

Expires: 7/8/2024

Initial Standard Information							Final Standard			
Name of Initial Standard (QAU Label)	Supplier	Supplier Part No.	Conc. (ug/mL)	Lot Number - QA Number	Exp. Date (1 yr.)	Exp. Date (Manufacturer)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/mL)
Decanoic Acid Spike	Absolute	72766	1,000	**070821-52691**	**See man. Exp date**	**7/8/2024**	N/A	N/A	N/A	1,000

Decanoic Acid Spike

Prepared: 10/2/2021 **Prepared By (Initials): KA**

Expires: 7/8/2024

Initial Standard Information							Final Standard			
Name of Initial Standard (QAU Label)	Supplier	Supplier Part No.	Conc. (ug/mL)	Lot Number - QA Number	Exp. Date (1 yr.)	Exp. Date (Manufacturer)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/mL)
Decanoic Acid Spike	Absolute	72766	1,000	**070821-52692**	**See man. Exp date**	**7/8/2024**	N/A	N/A	N/A	1,000

ORGANICS
Calibration Data

TPH Extractables
DOC0831

Form 6
Initial Calibration

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

			830004.D	830005.D	830006.D	830007.D	830008.D	830009.D	830010.D								
		Compound	1	2	3	4	5	6	7				Avg	%RSD	Type	r^2	Q
1	HATM	Diesel (C10-C24)	1996096	2096504	2044980	1954573	1978127	1986289	2080607				2019597	2.7	HATM		
2	HBTML	Motor Oil (C24-C40)	4145119	2435540	1673061	1536974	1493779	1466134	1500171				2035825	49	HBTM	1.000	
3	SA	Ortho-Terphenyl(S)	2853226	2657484	2628989	2539846	2469795	2419311	2566361				2590716	5.5	SA		
4	SA	Octacosane(S)	2110335	1874119	1915976	1916647	1876549	1864260	1926753				1926377	4.4	SA		
5																	
6																	
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1.751305

Quantitation Report (Not Reviewed)

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

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

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

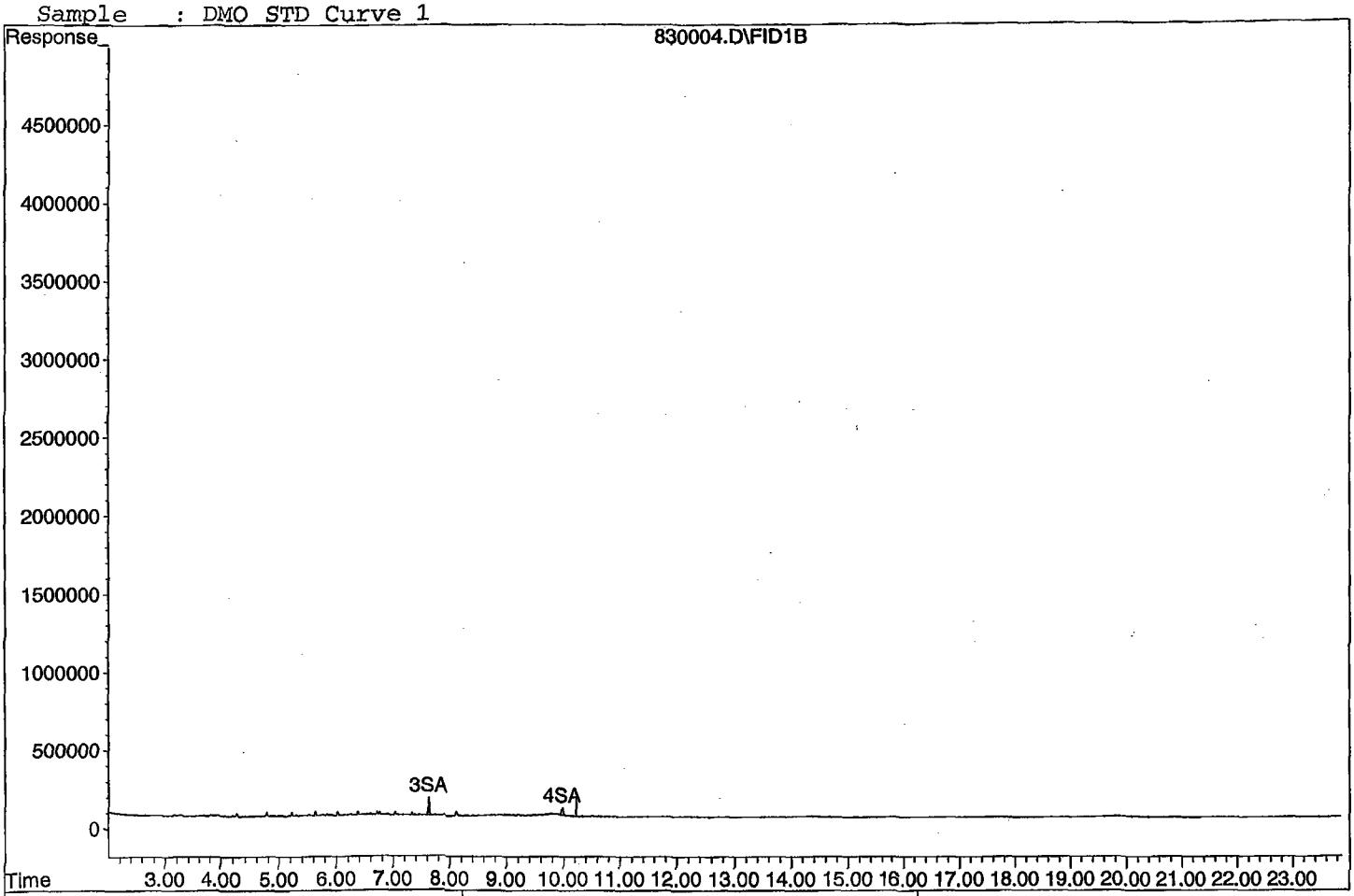
Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
3) SA Ortho-Terphenyl(S)	7.63	1426613	0.275	ppb
Surrogate Spike 30.000	Recovery =		0.92%	
4) SA Octacosane(S)	9.98	1055167	0.274	ppb
Surrogate Spike 30.000	Recovery =		0.91%	
Target Compounds				
1) HATM Diesel (C10-C24)	6.54	19960961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

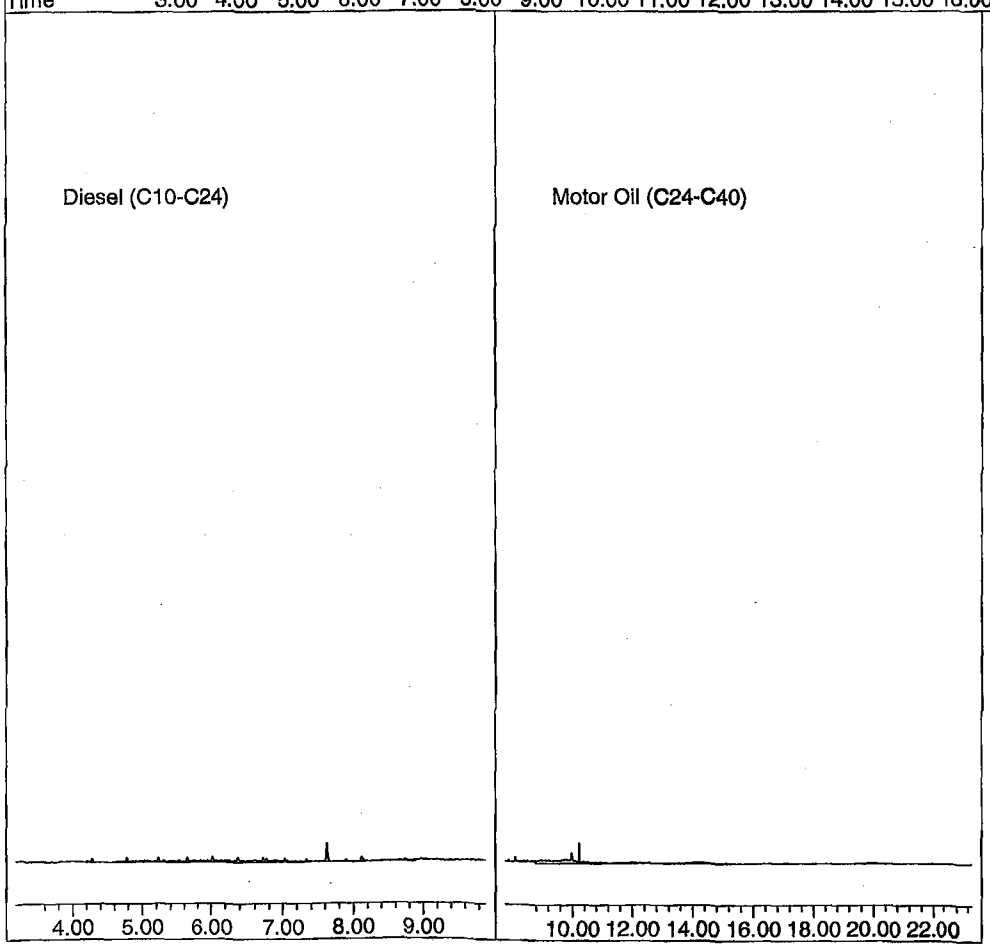
Target Compounds

(f)=RT Delta > 1/2 Window

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

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





Quantitation Report (Not Reviewed)

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

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

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

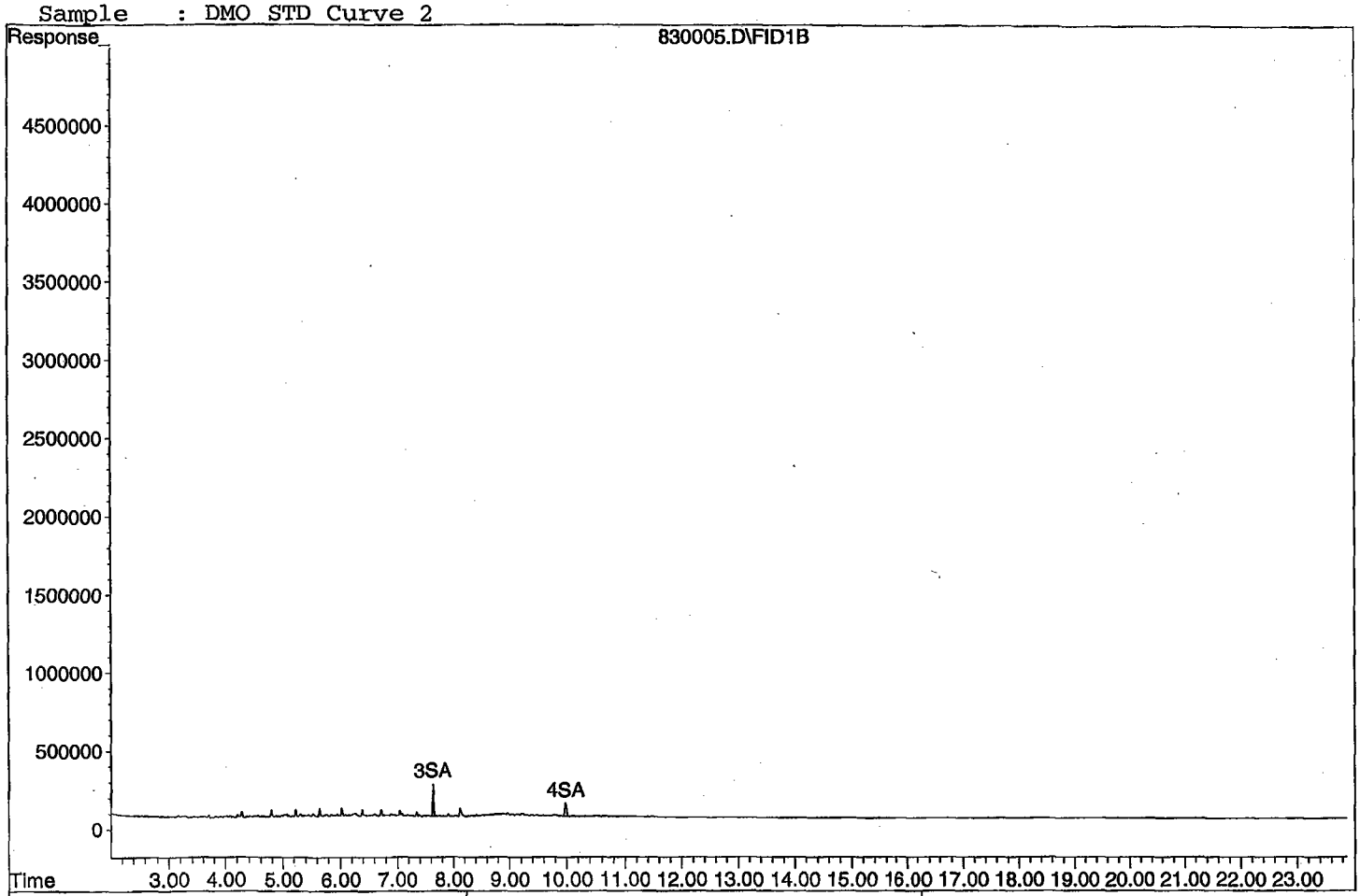
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.63	2657484	0.513 ppb
Surrogate Spike 30.000	Recovery =		1.71%
4) SA Octacosane(S)	9.98	1874119	0.486 ppb
Surrogate Spike 30.000	Recovery =		1.62%
Target Compounds			
1) HATM Diesel (C10-C24)	6.54	41930088	10.381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

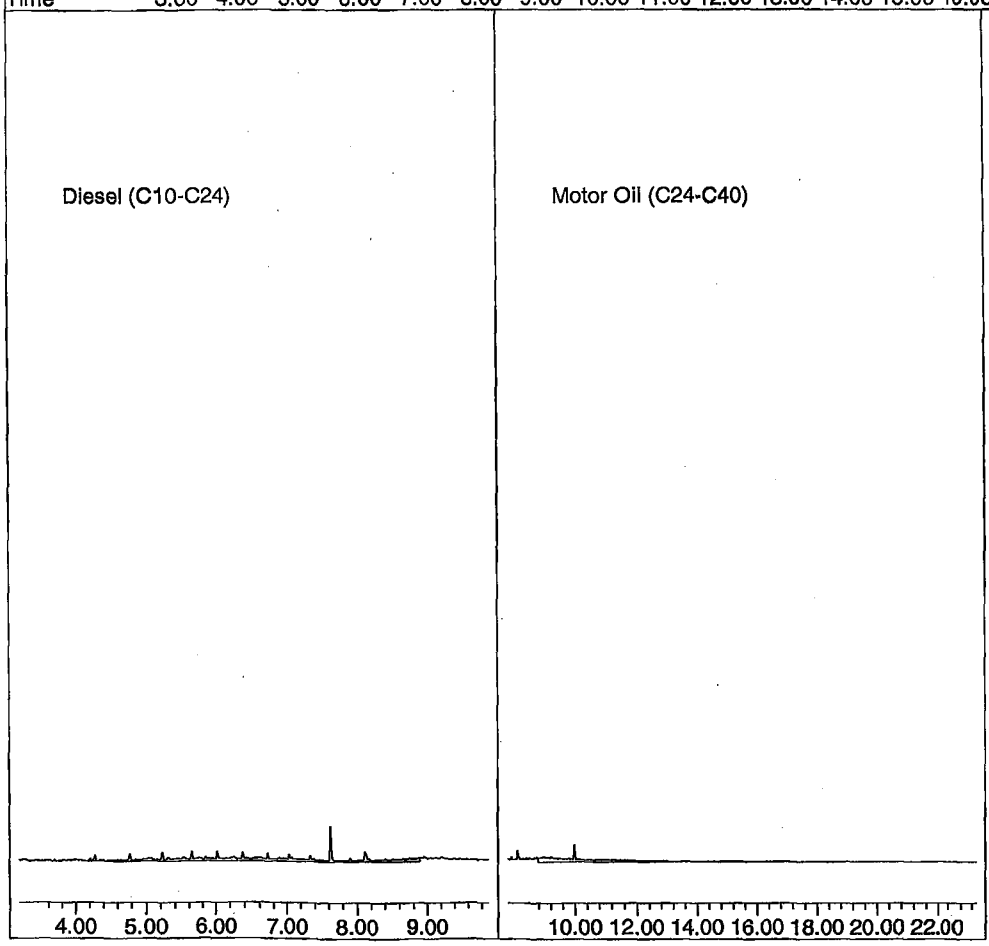
Target Compounds

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

Quantitation Report

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





Quantitation Report (Not Reviewed)

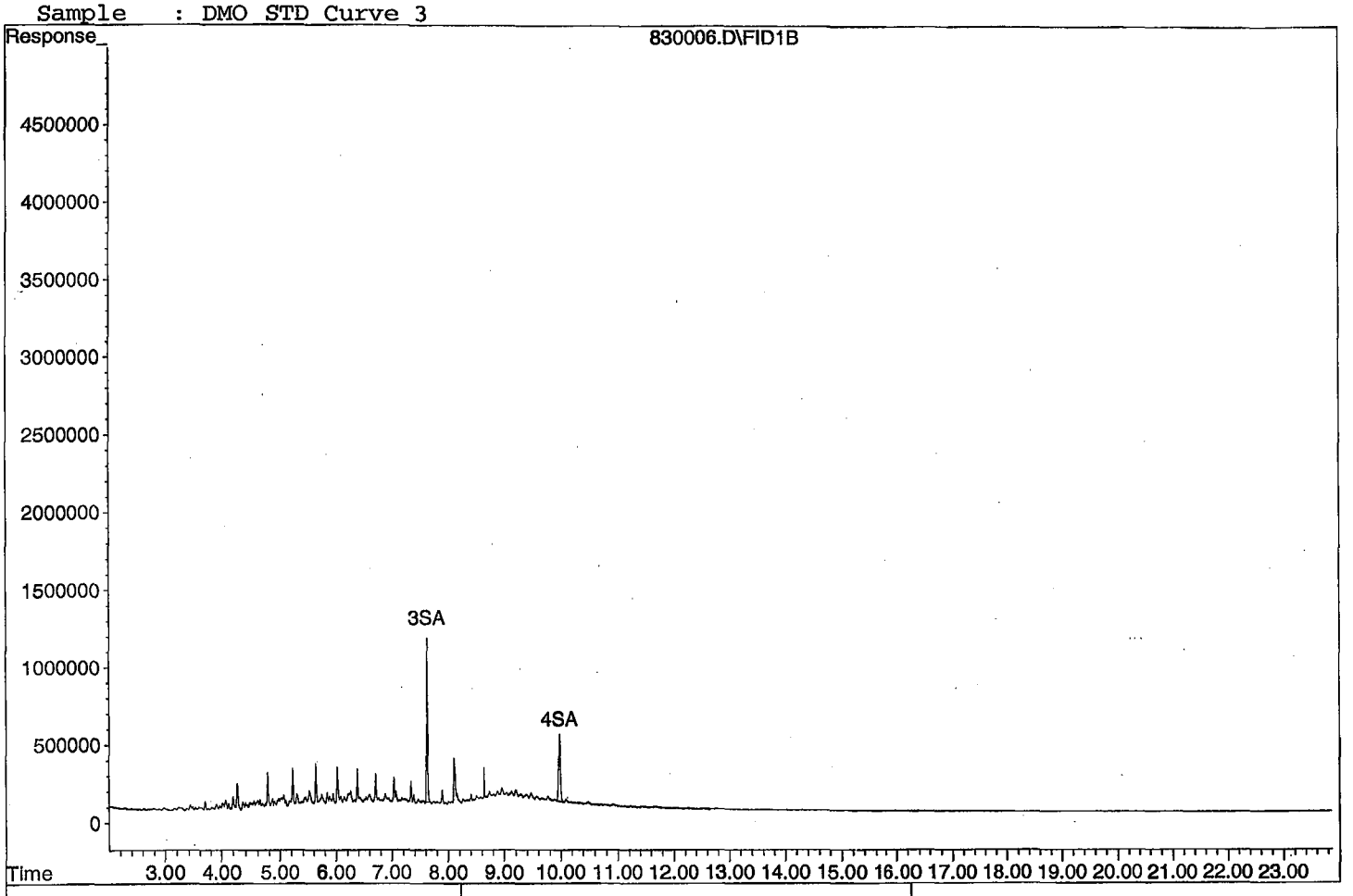
Data File : G:\APOLLO\DATA\210830\830006.D Vial: 6
Acq On : 8-30-21 15:20:31 Operator: KA
Sample : DMO STD Curve 3 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 8 12:55 2021 Quant Results File: DOC0830.RES

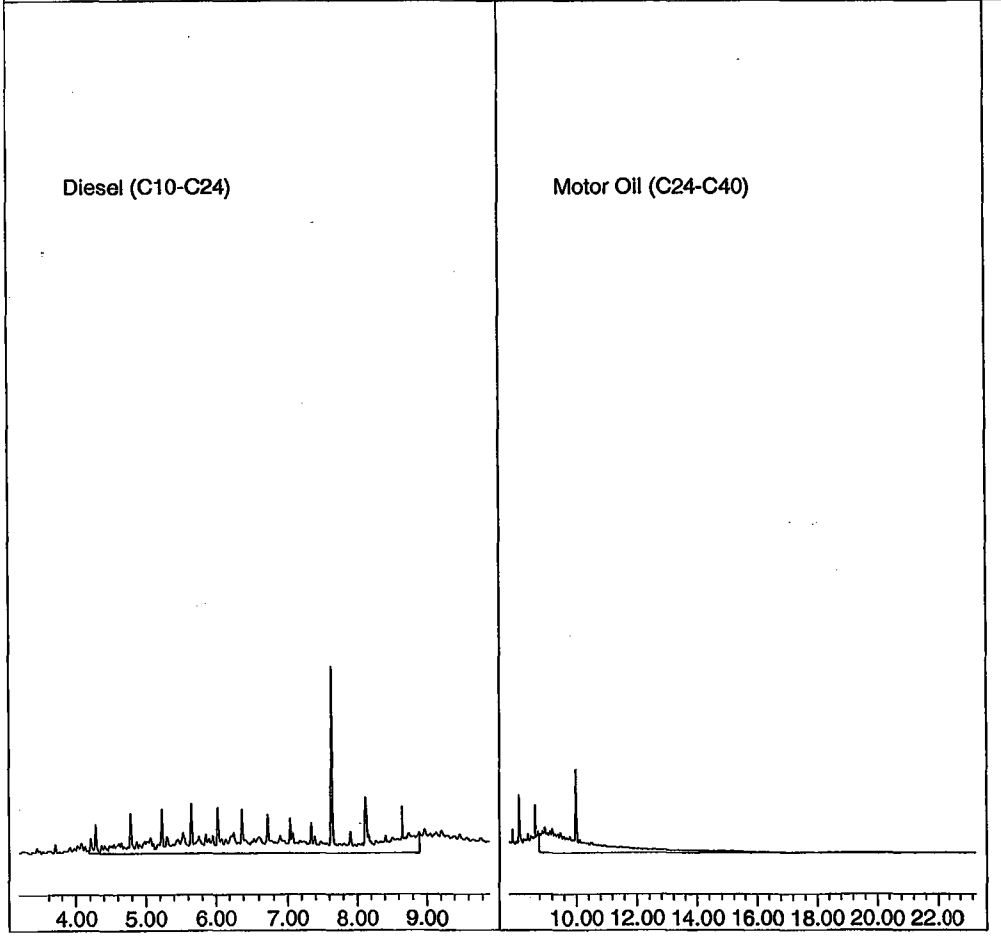
Method : G:\APOLLO\DATA\210830\DOC0830.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Tue Aug 31 09:20:02 2021
Response via : Multiple Level Calibration

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

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

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





Quantitation Report (Not Reviewed)

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

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

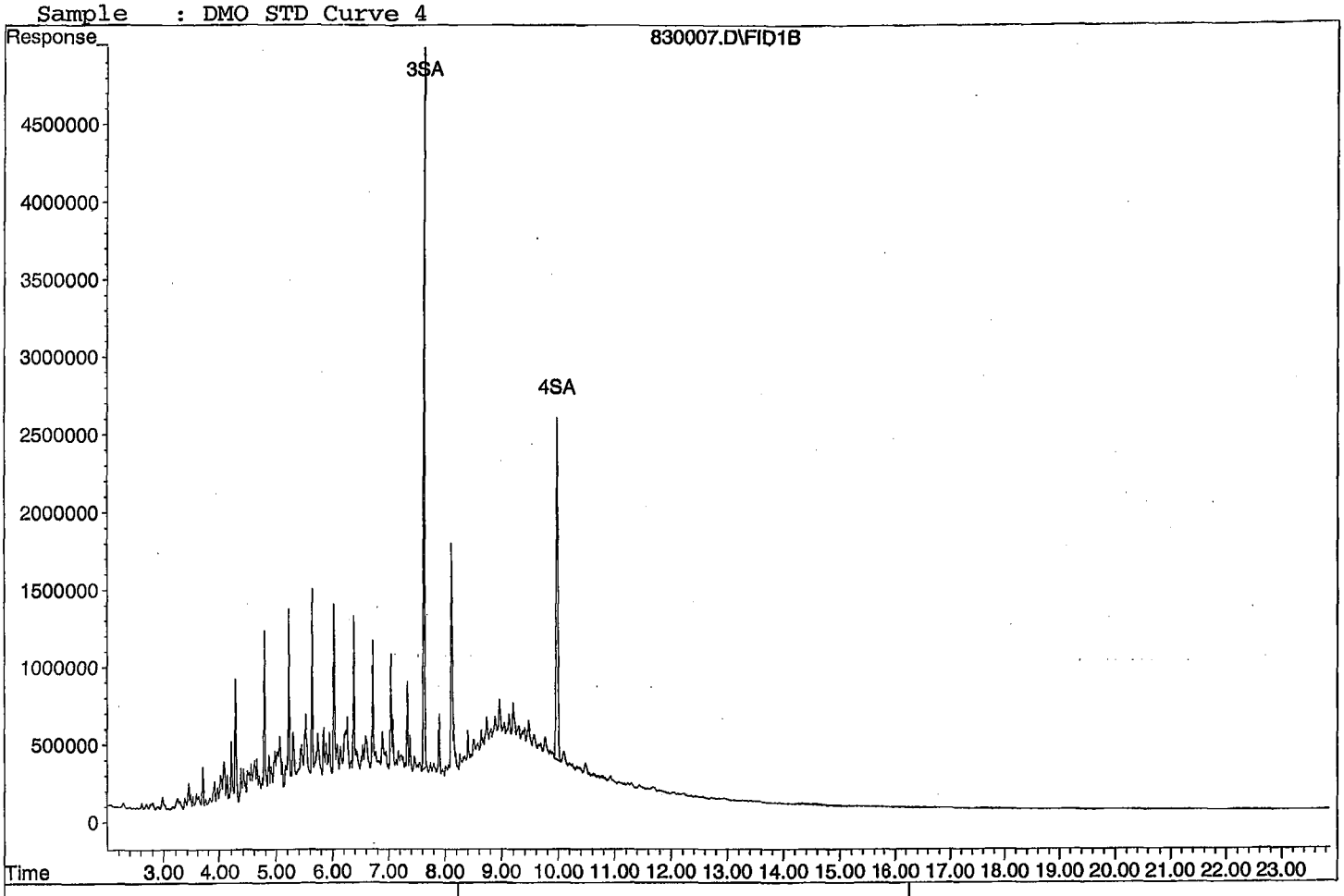
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

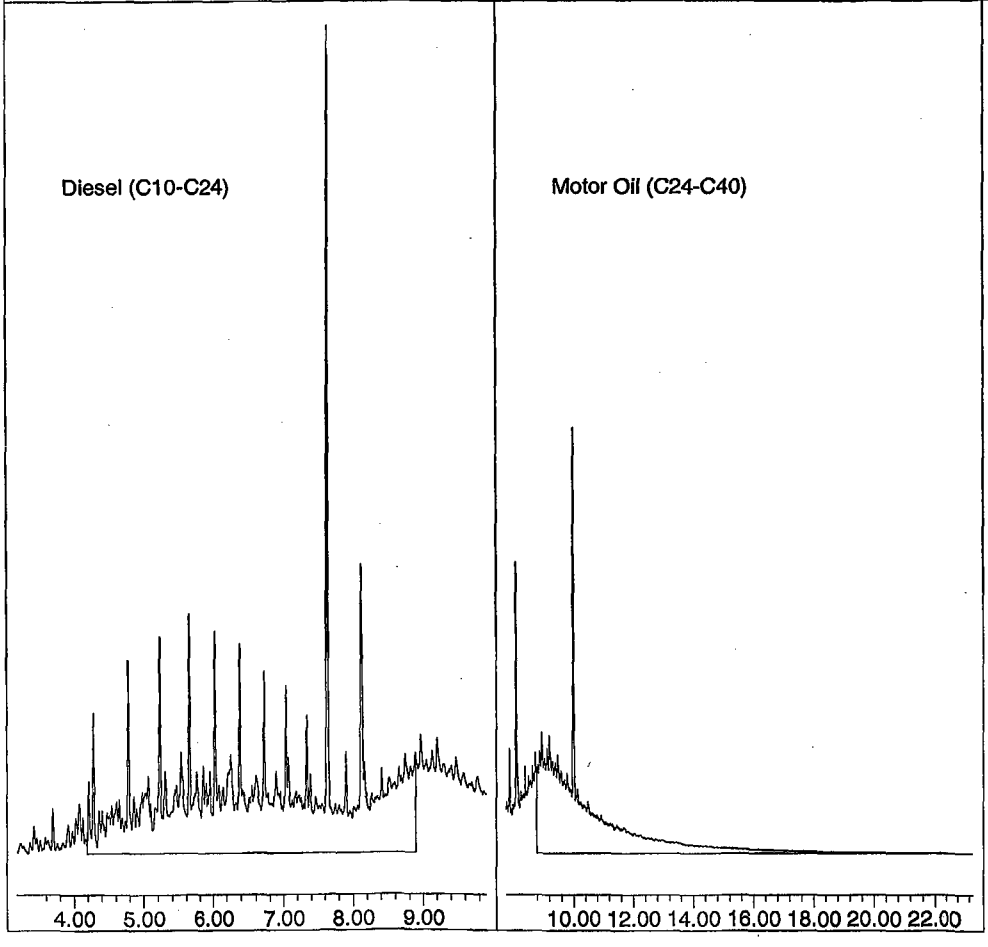
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.63	63496153	12.255 ppb
Surrogate Spike 30.000		Recovery =	40.85%
4) SA Octacosane(S)	9.98	47916187	12.437 ppb
Surrogate Spike 30.000		Recovery =	41.46%
Target Compounds			
1) HATM Diesel (C10-C24)	6.54	977286267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

Target Compounds

Quantitation Report

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





Quantitation Report (Not Reviewed)

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

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

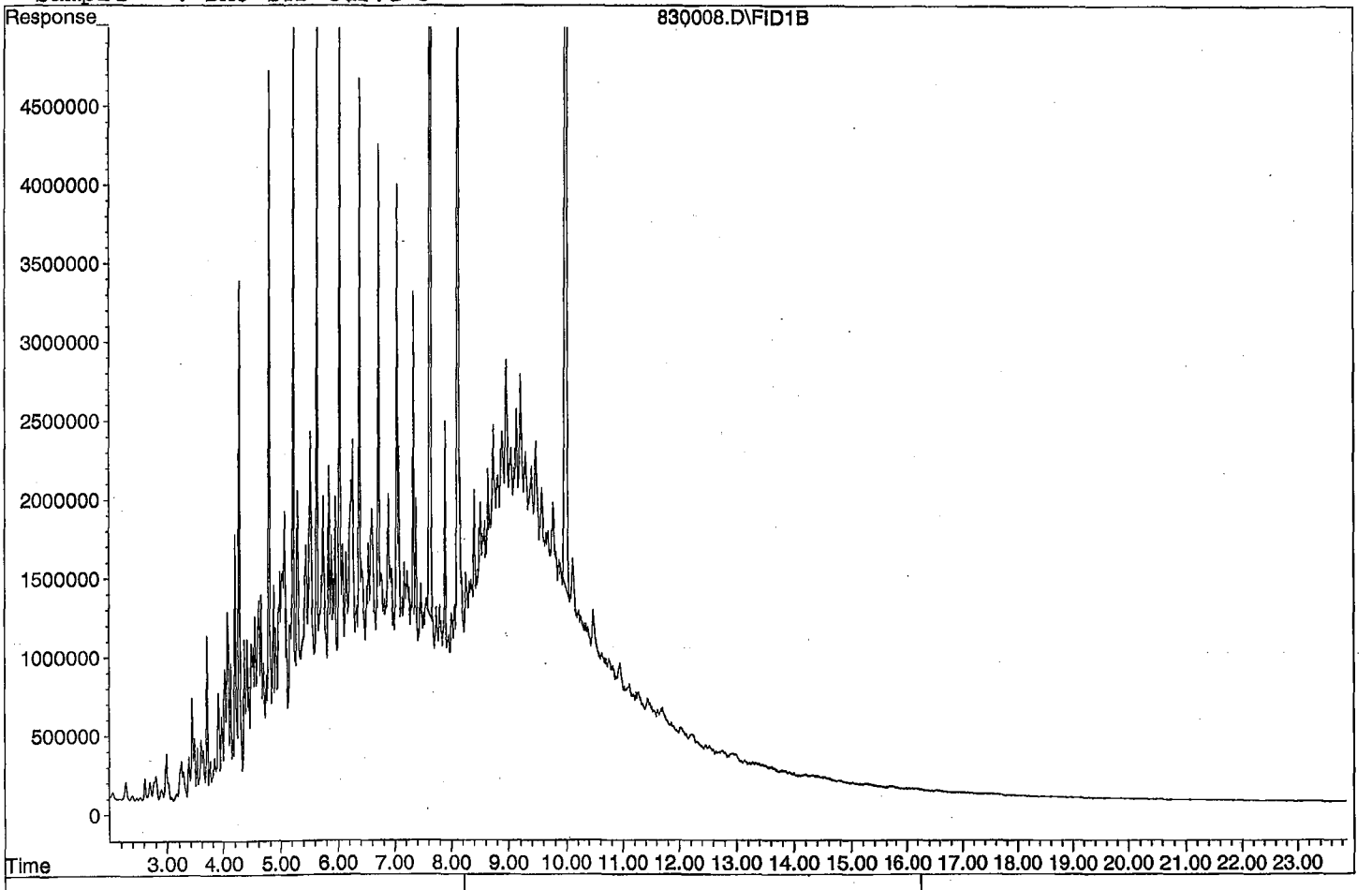
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

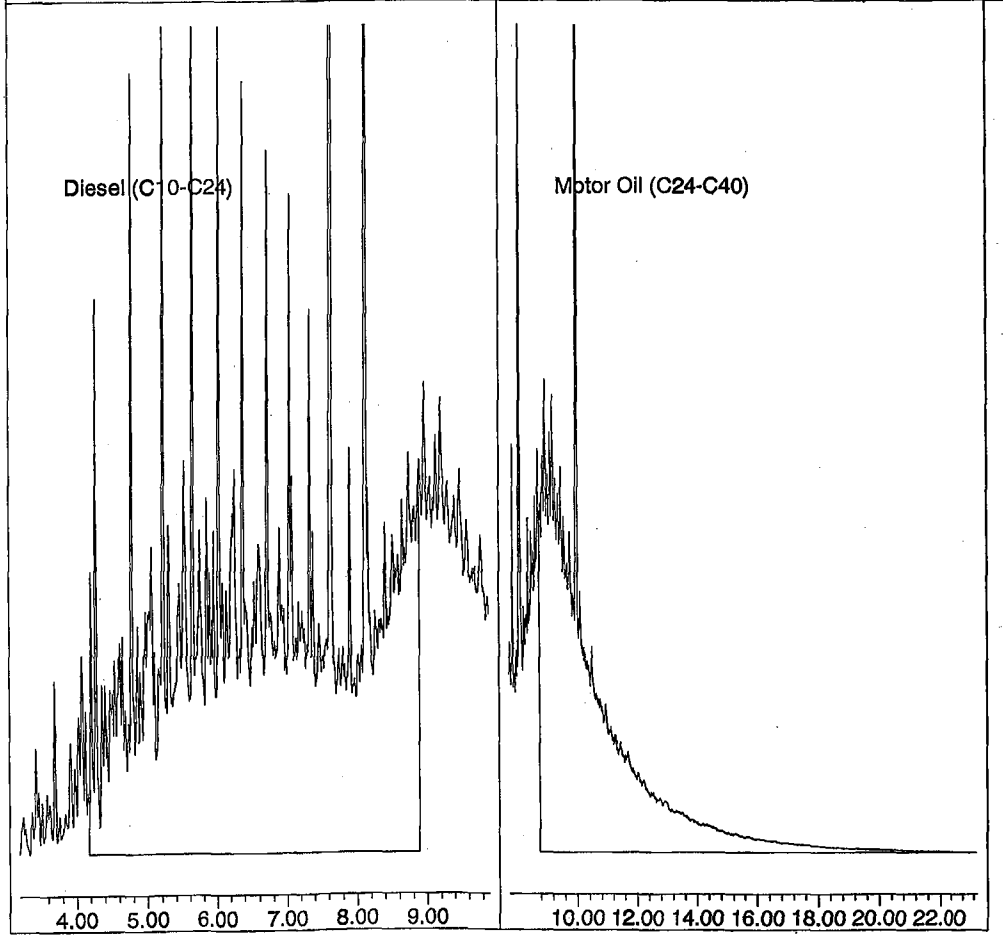
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.63	246979512	47.666 ppb
Surrogate Spike 30.000		Recovery =	158.89%
4) SA Octacosane(S)	9.99	187654879	48.707 ppb
Surrogate Spike 30.000		Recovery =	162.36%
Target Compounds			
1) HATM Diesel (C10-C24)	6.54	3956253906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

Target Compounds

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

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





Quantitation Report (Not Reviewed)

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

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

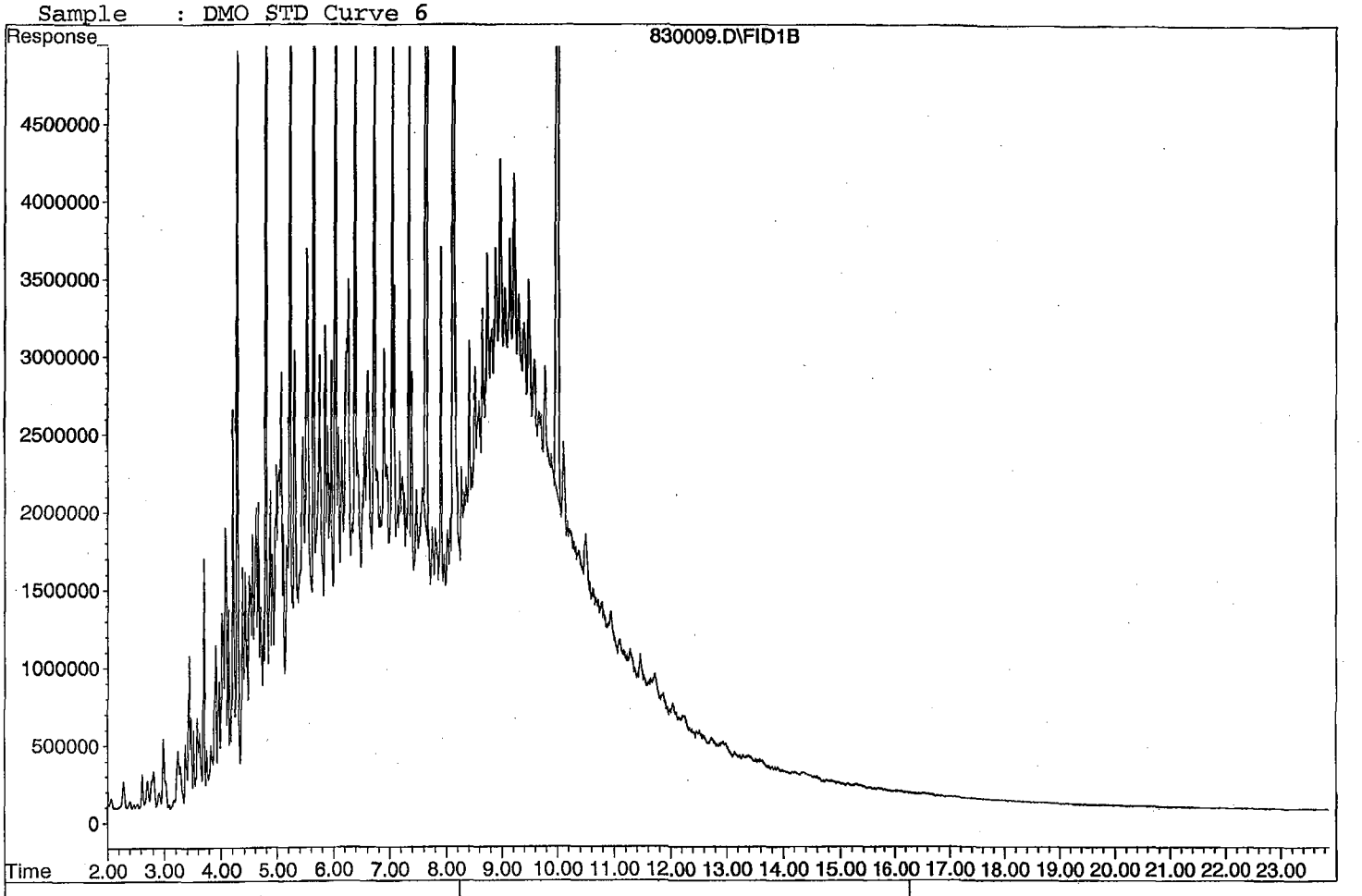
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

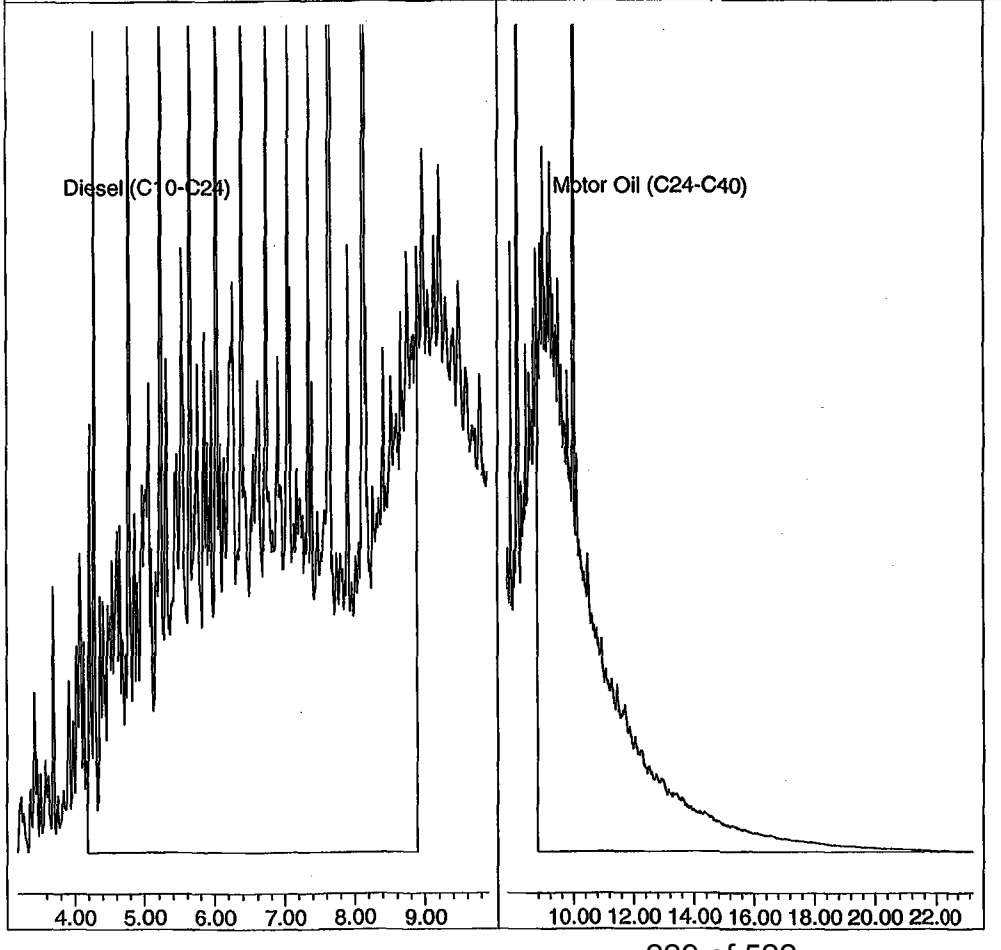
Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
3) SA Ortho-Terphenyl(S)	7.63	362896579	70.038	ppb
Surrogate Spike 30.000	Recovery =		233.46%	
4) SA Octacosane(S)	10.00	279638971	72.582	ppb
Surrogate Spike 30.000	Recovery =		241.94%	
Target Compounds				
1) HATM Diesel (C10-C24)	6.54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

Target Compounds

(f)=RT Delta > 1/2 Window (m)=manual int.
830009.D DOC0830.M Wed Sep 08 12:56:22 2021 Page 1

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





Quantitation Report (Not Reviewed)

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

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

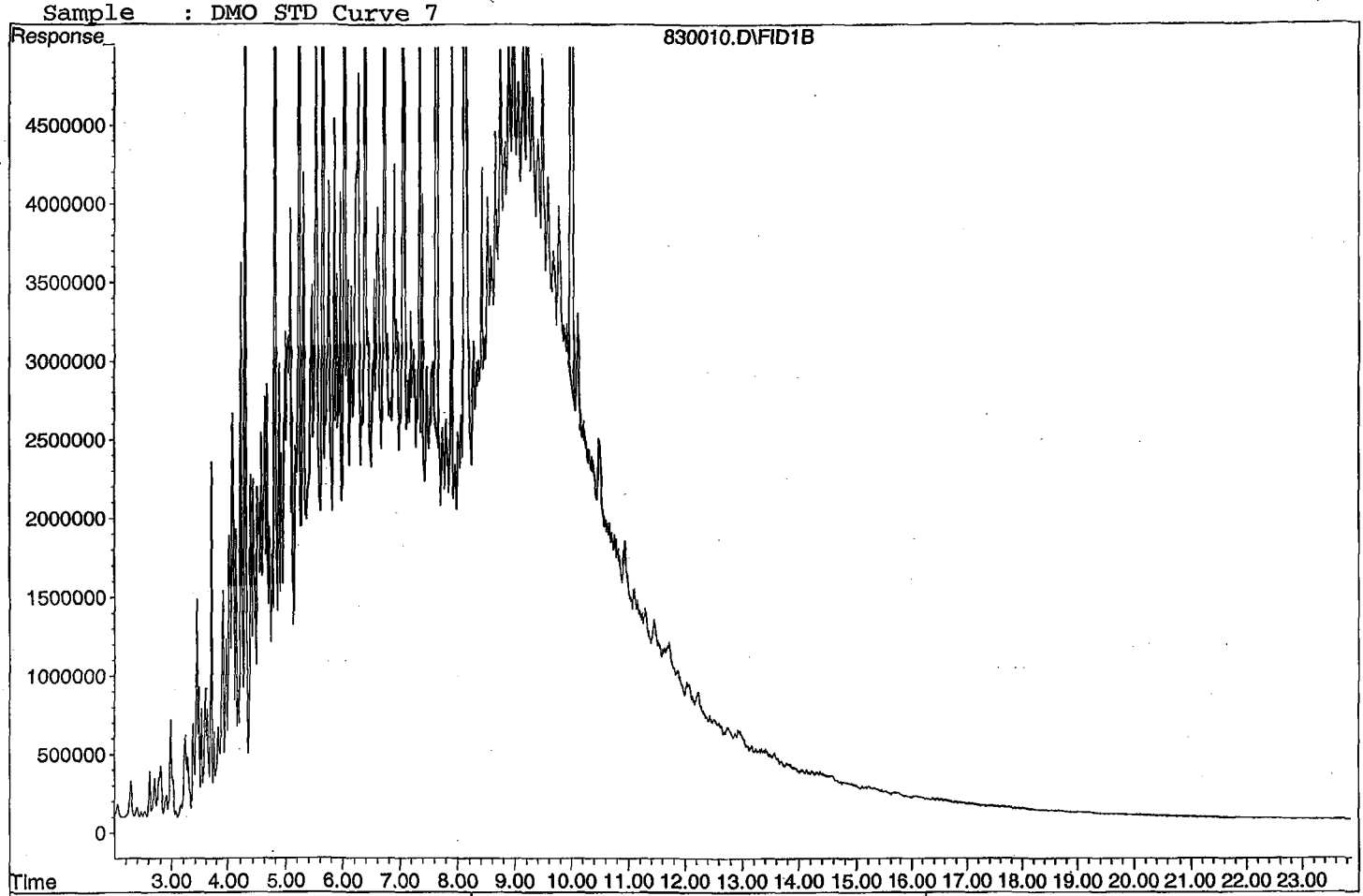
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

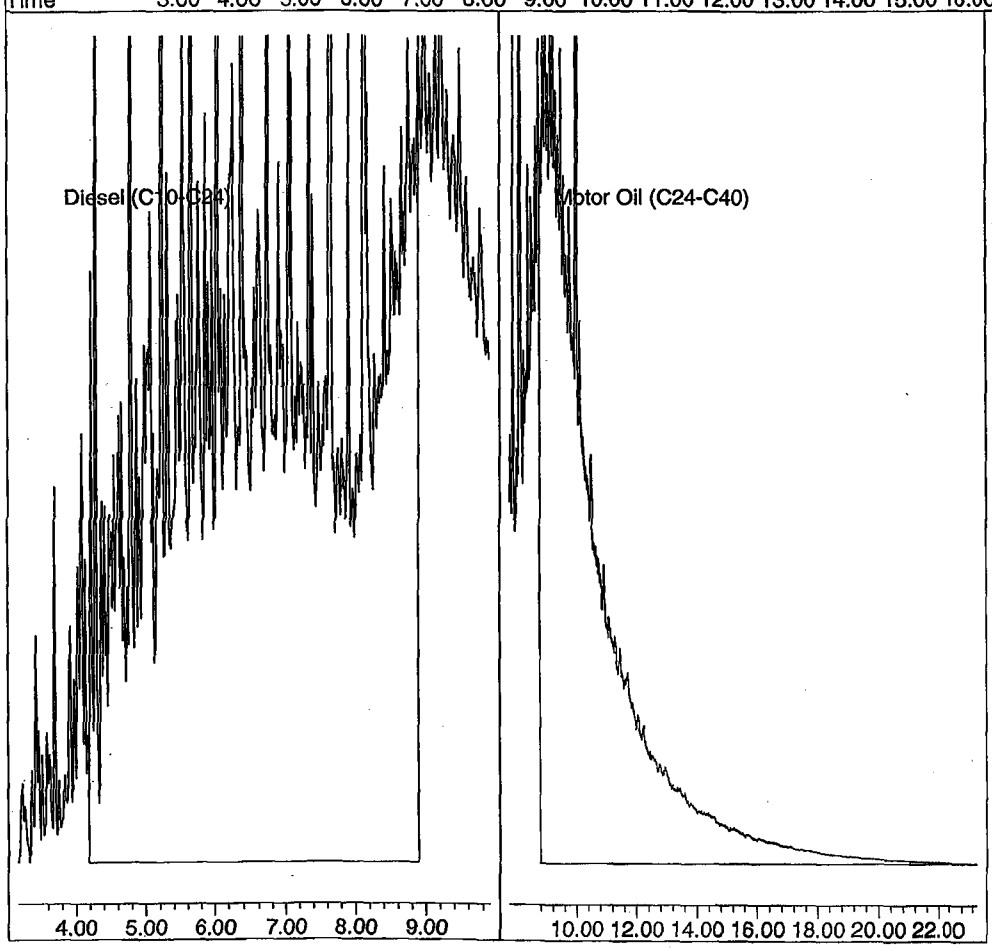
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.64	513272150	99.060 ppb
Surrogate Spike 30.000		Recovery =	330.20%
4) SA Octacosane(S)	10.00	385350648	100.020 ppb
Surrogate Spike 30.000		Recovery =	333.40%
Target Compounds			
1) HATM Diesel (C10-C24)	6.54	8322428096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

Target Compounds

(f)=RT Delta > 1/2 Window (m)=manual int.
830010.D DOC0830.M Wed Sep 08 12:56:24 2021 Page 1

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





TPH Extractables
DOC0831

Form 7

Second Source Calibration

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

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

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

Quantitation Report (Not Reviewed)

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

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

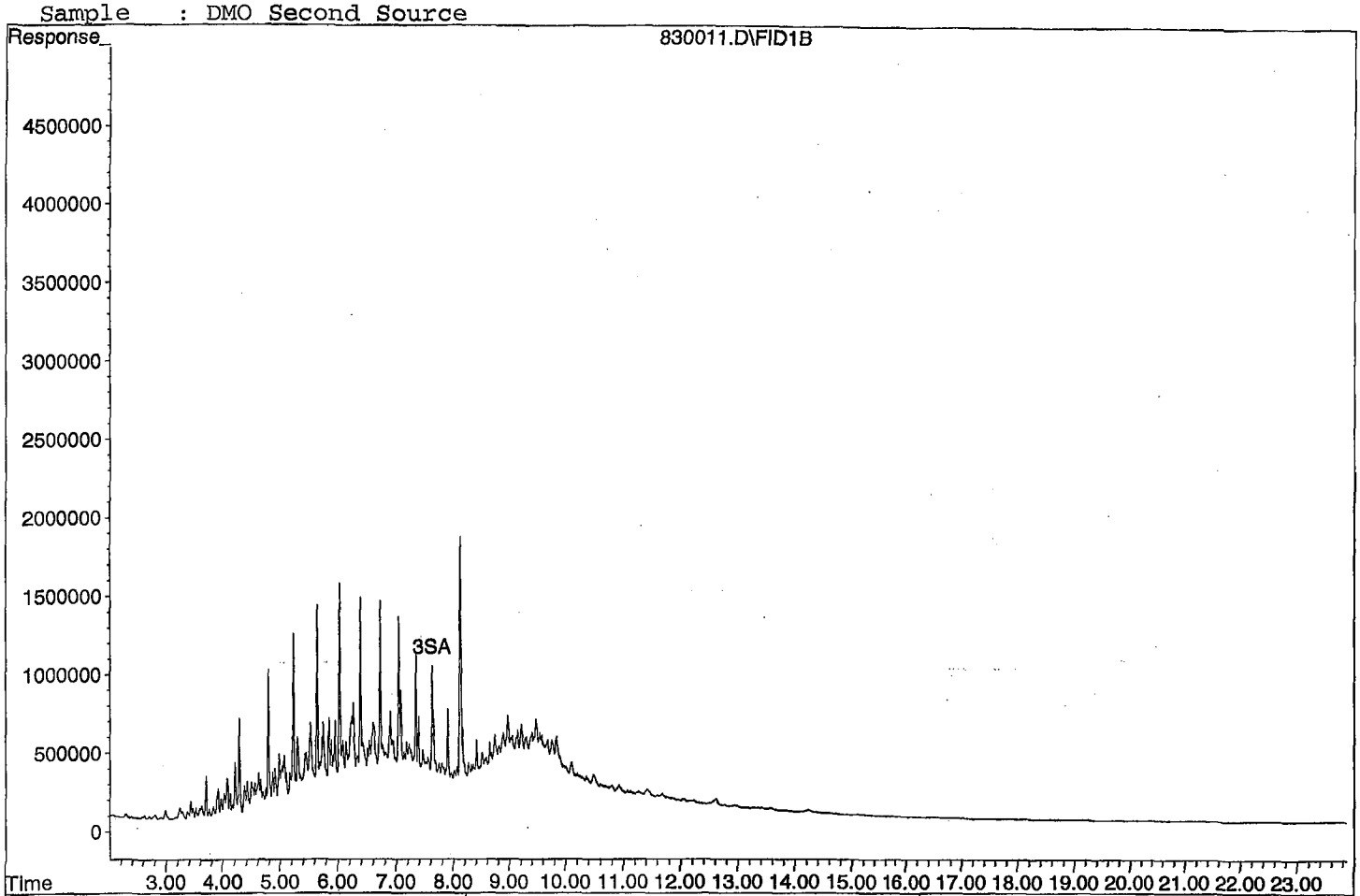
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

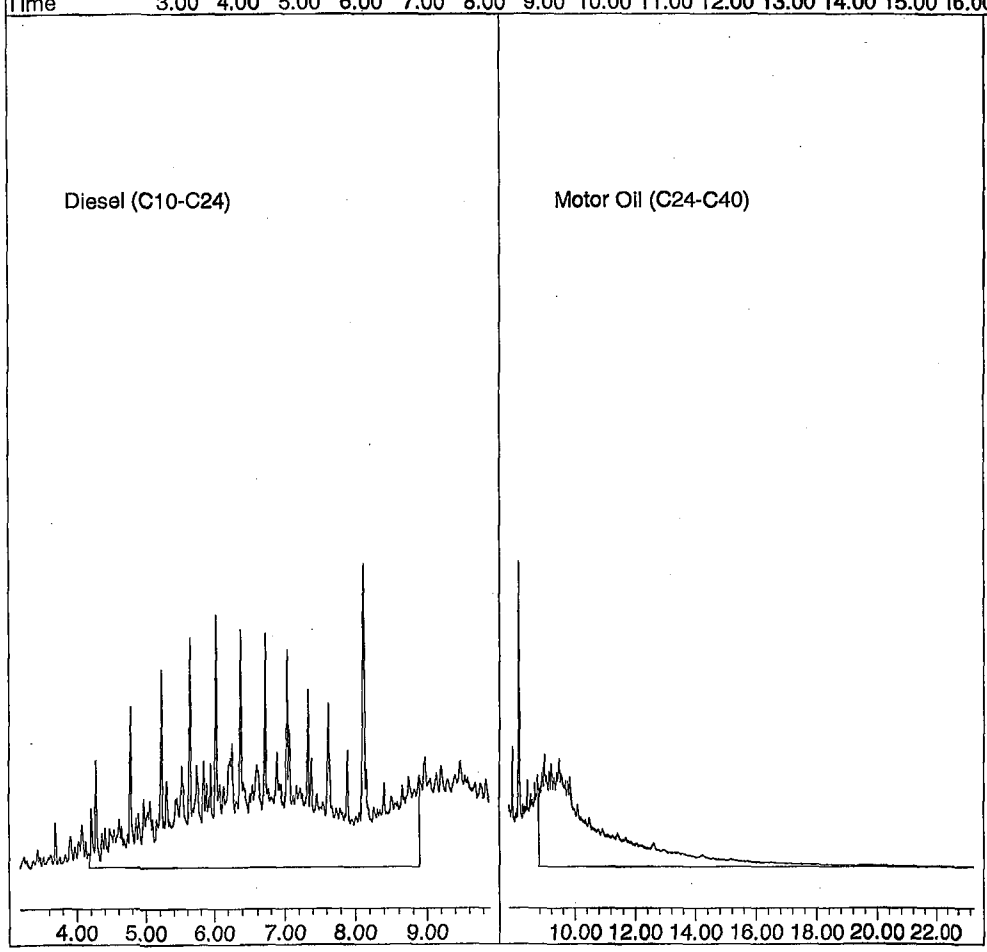
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.62	4475122	0.864 ppb
Surrogate Spike 30.000	Recovery =		2.88%
4) SA Octacosane(S)	9.98	-56148	N.D. ppb
Surrogate Spike 30.000	Recovery =		0.00%
Target Compounds			
1) HATM Diesel (C10-C24)	6.54	1110816428	275.009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

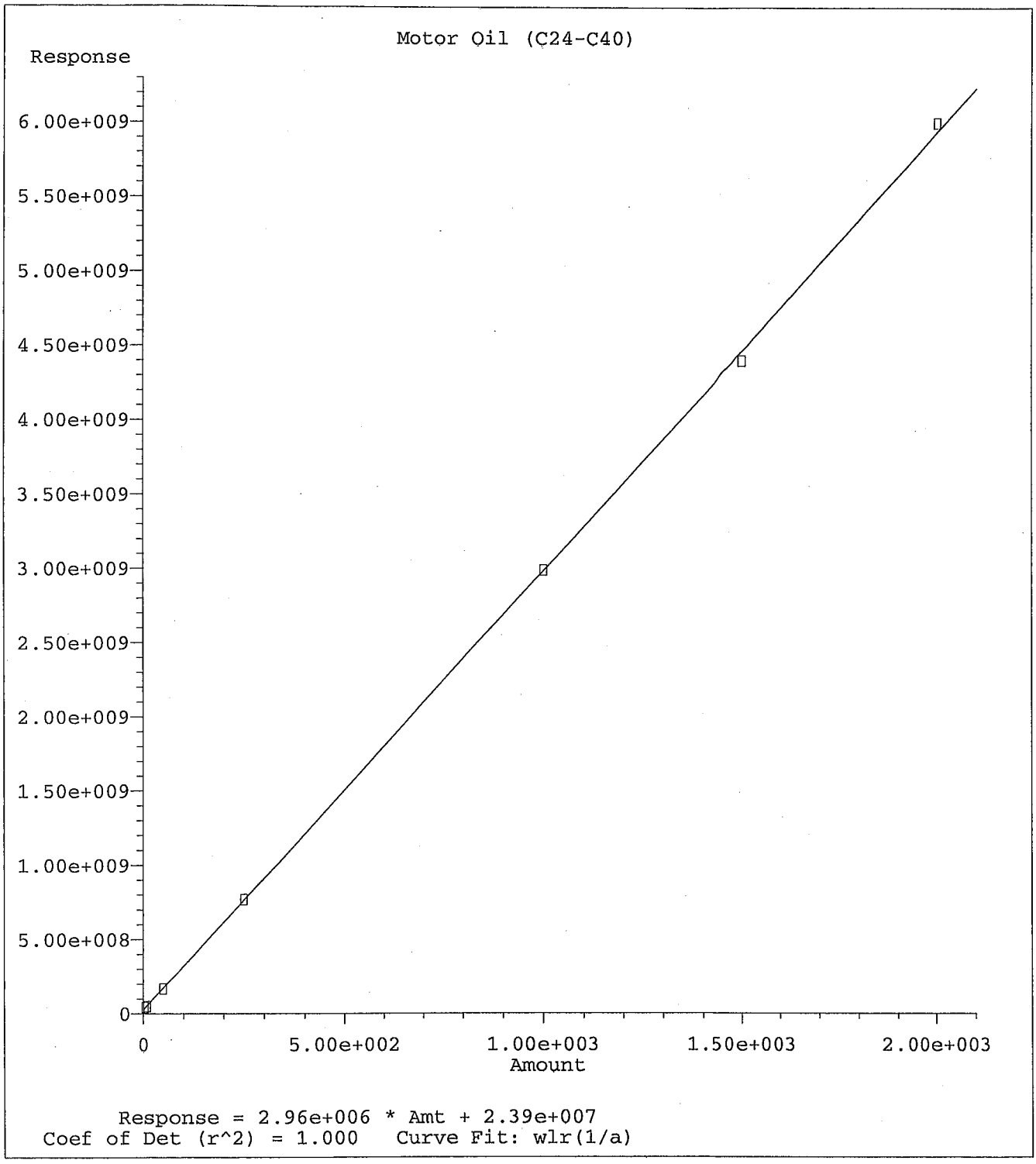
Target Compounds

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

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







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

TPH Extractables
DOC0831

Form 7
Continuing Calibration

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

SDG No:
Date Analyzed: 10/11/2021
Instrument: Apollo
Initial Cal. Date: 8/30/2021
Data File: 1007174.D

		Compound	MEAN	CCRF	%D		%Drift
1	HATM	Diesel (C10-C24)	2019600	2130550	5.5	HATM	
2	HBTM	Motor Oil (C24-C40)	2035830	1476690	27	HBTML	3.4
3	SA	Ortho-Terphenyl(S)	2590720	2853550	10	SA	
4	SA	Octacosane(S)	1926380	2039220	5.9	SA	
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		Average			12.1		

Quantitation Report (Not Reviewed)

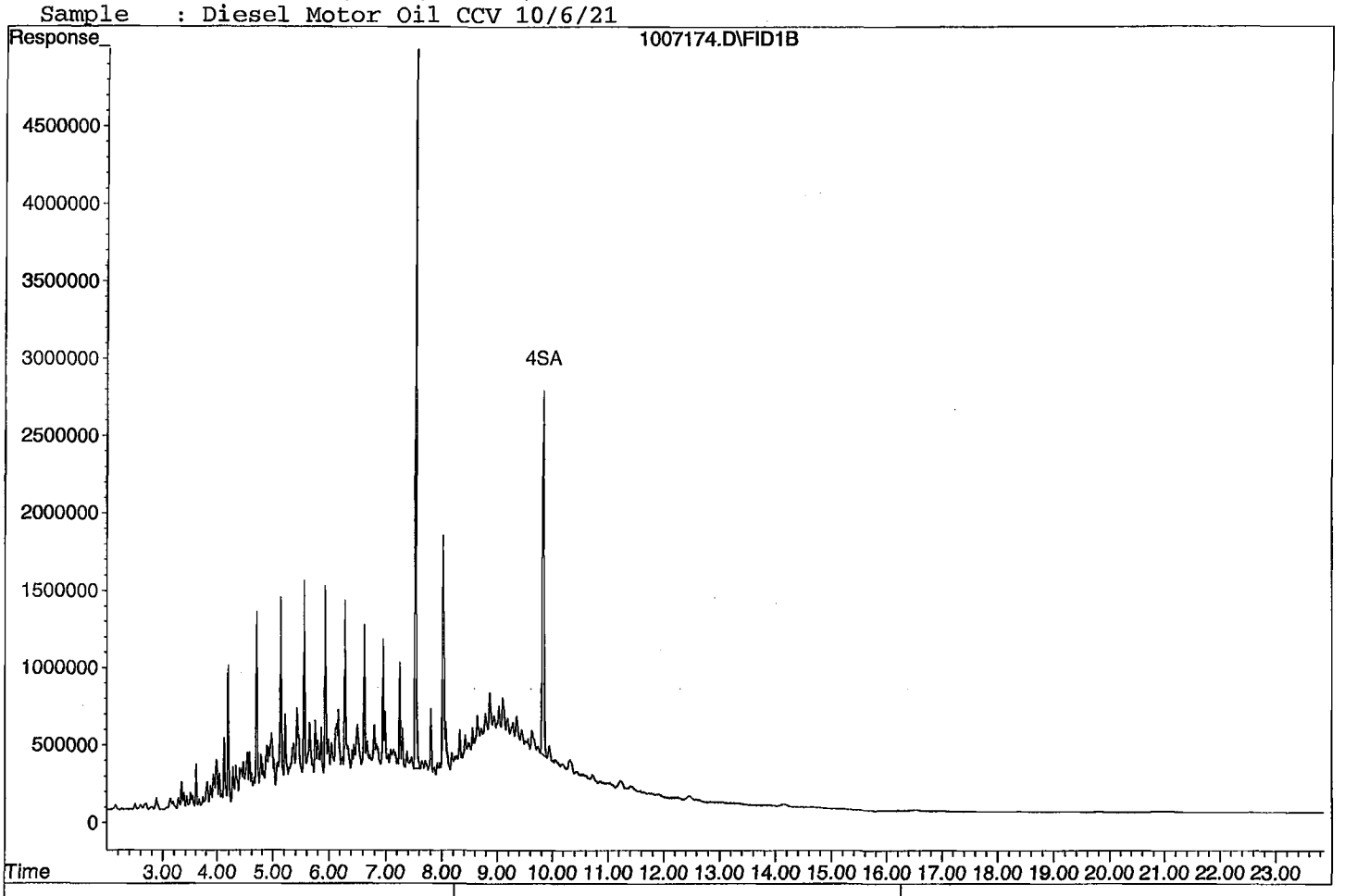
Data File : G:\APOLLO\DATA\211007\1007174.D Vial: 74
Acq On : 10-11-21 3:08:28 Operator: KA
Sample : Diesel Motor Oil CCV 10/6/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 11 8:12 2021 Quant Results File: DOC0830.RES

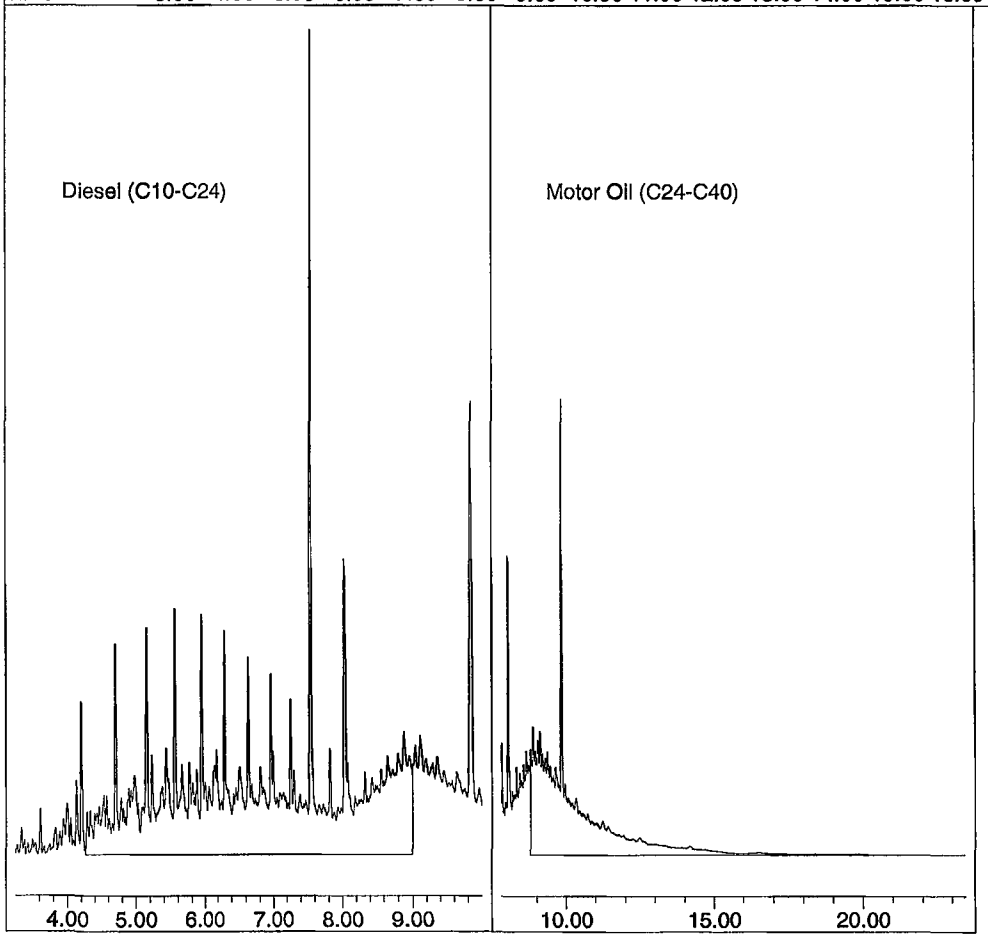
Method : G:\APOLLO\DATA\211007\DOC0830.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Mon Oct 11 17:41:08 2021
Response via : Multiple Level Calibration

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	71338771	13.768 ppb
Surrogate Spike 30.000		Recovery =	45.89%
4) SA Octacosane(S)	9.84	50980522	13.232 ppb
Surrogate Spike 30.000		Recovery =	44.11%
Target Compounds			
1) HATM Diesel (C10-C24)	6.63	1065273432	263.734 ppb
2) HBTM Motor Oil (C24-C40)	15.62	738343715	241.489 ppb
Target Compounds			

Data File: G:\APOLLO\DATA\211007\1007174.D
Sample : Diesel Motor Oil CCV 10/6/21





TPH Extractables
DOC0831

Form 7

Continuing Calibration

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

SDG No:
Date Analyzed: 10/11/2021
Instrument: Apollo
Initial Cal. Date: 8/30/2021
Data File: 1007188.D

		Compound	MEAN	CCRF	%D		%Drift
1	HATM	Diesel (C10-C24)	2019600	2262380	12	HATM	
2	HBTM	Motor Oil (C24-C40)	2035830	1555360	24	HBTML	1.9
3	SA	Ortho-Terphenyl(S)	2590720	2939140	13	SA	
4	SA	Octacosane(S)	1926380	2152140	12	SA	
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		Average			15.3		

Quantitation Report (Not Reviewed)

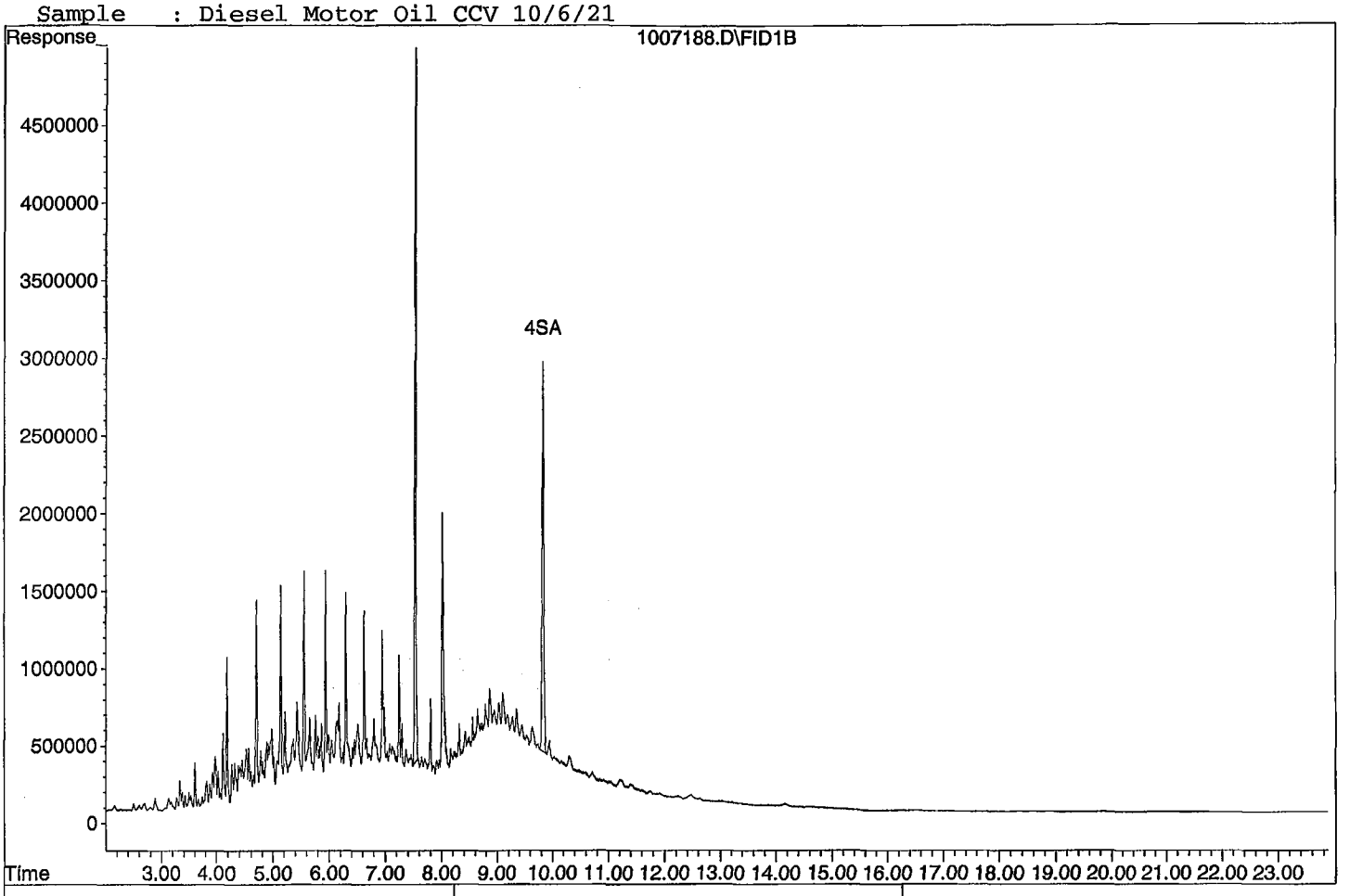
Data File : G:\APOLLO\DATA\211007\1007188.D Vial: 88
Acq On : 10-11-21 9:41:48 Operator: KA
Sample : Diesel Motor Oil CCV 10/6/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 11 15:22 2021 Quant Results File: DOC0830.RES

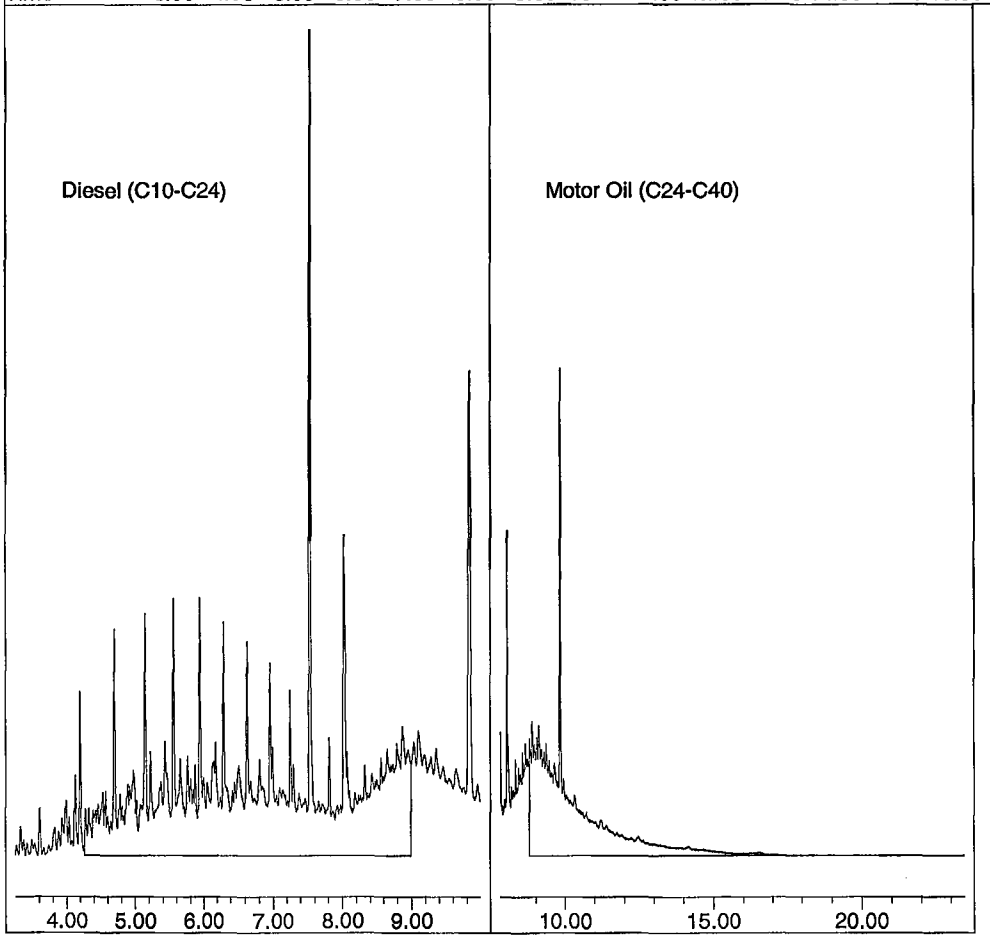
Method : G:\APOLLO\DATA\211007\DOC0830.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Mon Oct 11 17:41:08 2021
Response via : Multiple Level Calibration

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	73478419	14.181 ppb
Surrogate Spike 30.000		Recovery =	47.27%
4) SA Octacosane(S)	9.84	53803497	13.965 ppb
Surrogate Spike 30.000		Recovery =	46.55%
Target Compounds			
1) HATM Diesel (C10-C24)	6.63	1131190536	280.054 ppb
2) HBTM Motor Oil (C24-C40)	15.62	777680124	254.785 ppb
Target Compounds			

Data File: G:\APOLLO\DATA\211007\1007188.D
Sample : Diesel Motor Oil CCV 10/6/21





TPH Extractables
DOC0831

Form 7
Continuing Calibration

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

SDG No:
Date Analyzed: 10/11/2021
Instrument: Apollo
Initial Cal. Date: 8/30/2021
Data File: 1007193.D

		Compound	MEAN	CCRF	%D	%Drift	
1	HATM	Diesel (C10-C24)	2019600	2104900	4.2	HATM	
2	HBTM	Motor Oil (C24-C40)	2035830	1510660	26	HBTML	1.1
3	SA	Ortho-Terphenyl(S)	2590720	2726820	5.3	SA	
4	SA	Octacosane(S)	1926380	1970660	2.3	SA	
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		Average			9.5		

Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\211007\1007193.D Vial: 93
Acq On : 10-11-21 12:02:37 Operator: KA
Sample : Diesel Motor Oil CCV 10/6/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 11 15:21 2021 Quant Results File: DOC0830.RES

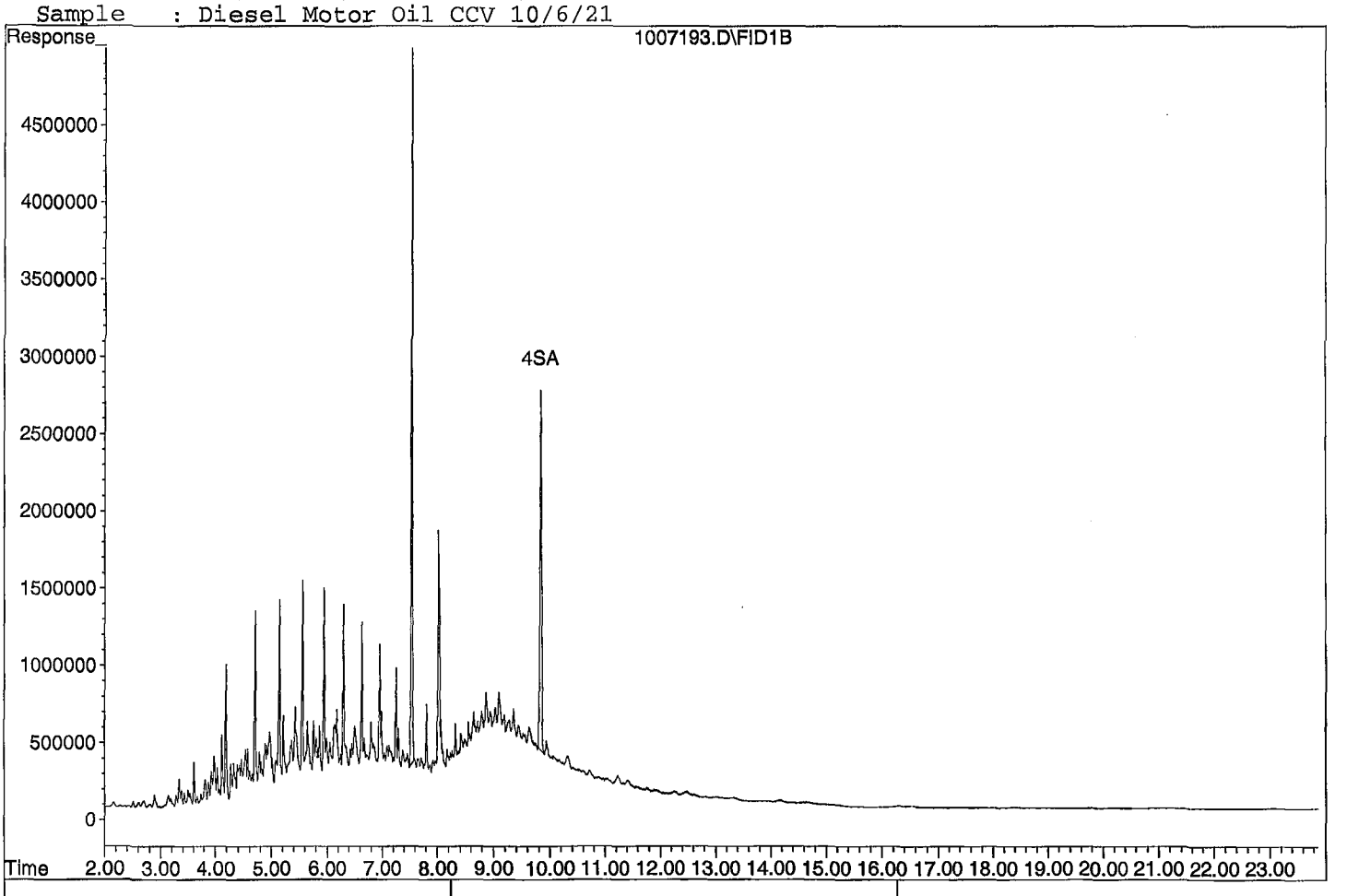
Method : G:\APOLLO\DATA\211007\DOC0830.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Mon Oct 11 17:41:08 2021
Response via : Multiple Level Calibration

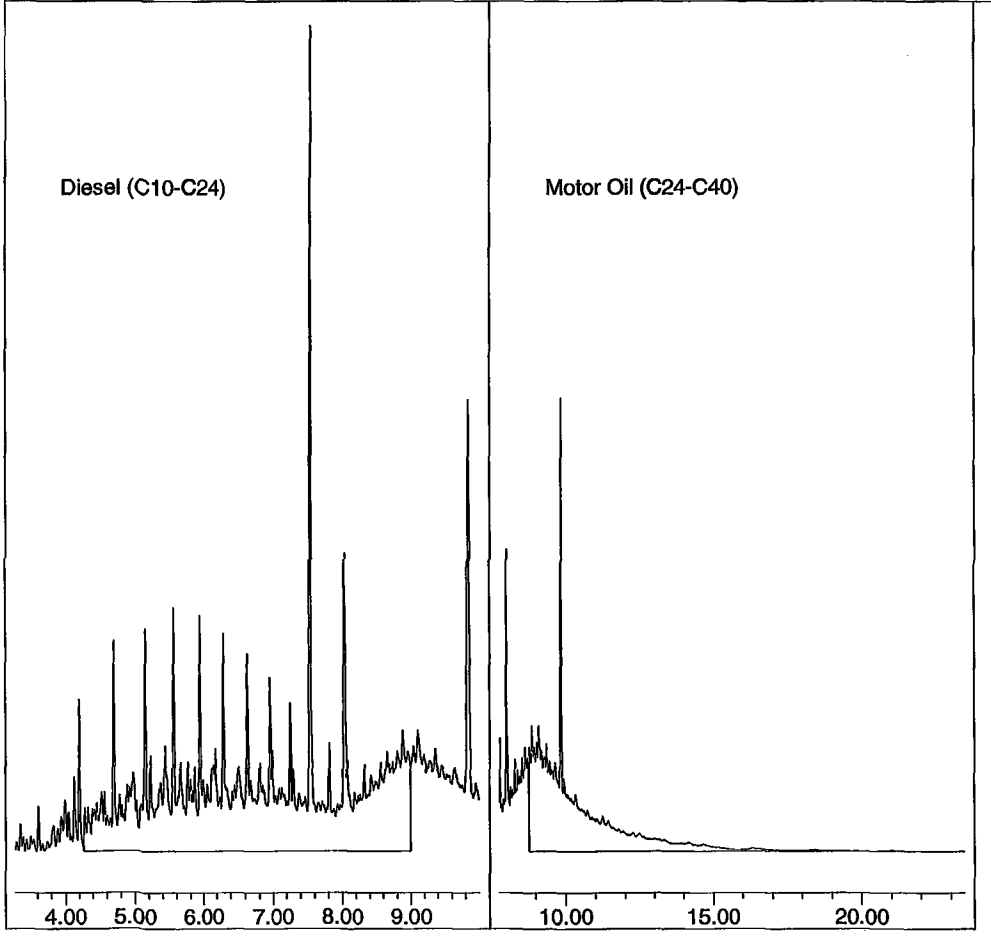
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.54	68170495	13.157 ppb
Surrogate Spike 30.000		Recovery =	43.86%
4) SA Octacosane(S)	9.84	49266486	12.787 ppb
Surrogate Spike 30.000		Recovery =	42.62%
Target Compounds			
1) HATM Diesel (C10-C24)	6.63	1052449638	260.559 ppb
2) HBTM Motor Oil (C24-C40)	15.62	755332145	247.231 ppb
Target Compounds			

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

Data File: G:\APOLLO\DATA\211007\1007193.D
Sample : Diesel Motor Oil CCV 10/6/21





ORGANICS
Raw Data

Quantitation Report (QT Reviewed)

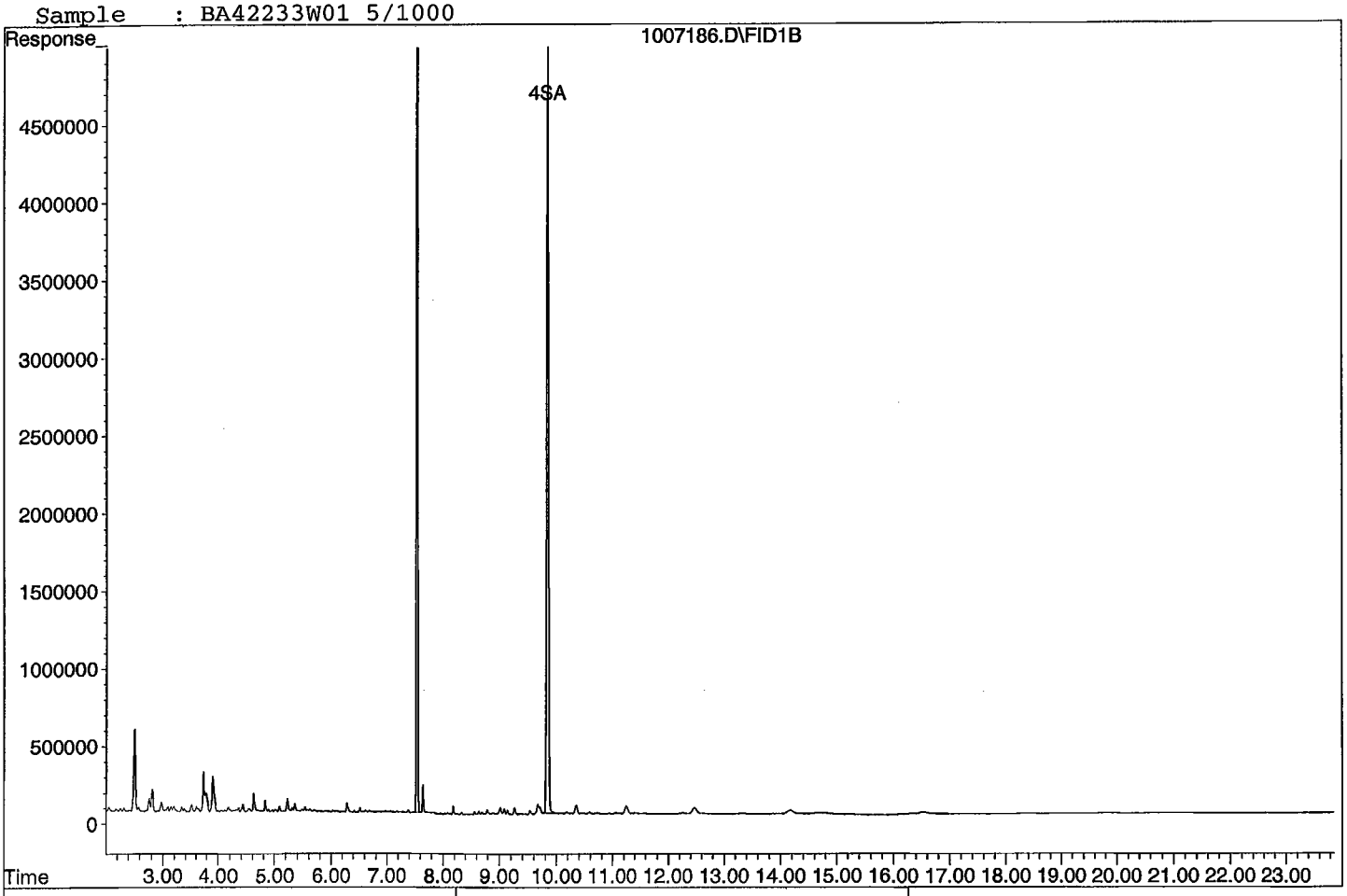
Data File : G:\APOLLO\DATA\211007\1007186.D Vial: 86
Acq On : 10-11-21 8:45:33 Operator: KA
Sample : BA42233W01 5/1000 Inst : Apollo
Misc : water Multiplr: 5.00
IntFile : events.e
Quant Time: Oct 16 12:28 2021 Quant Results File: DOC0830.RES

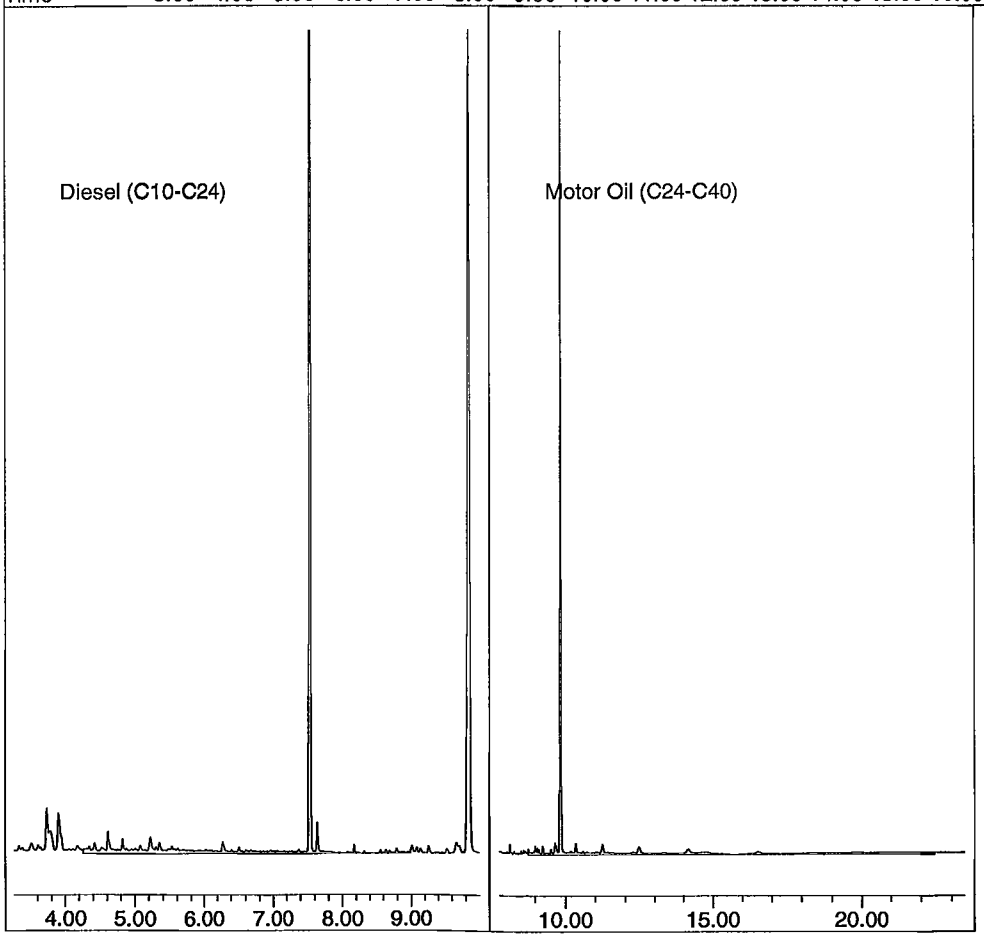
Method : G:\APOLLO\DATA\211007\DOC0830.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Mon Oct 11 17:41:08 2021
Response via : Multiple Level Calibration

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	123802105	119.467 ppb
Surrogate Spike 150.000		Recovery =	79.64%
4) SA Octacosane(S)	9.84	108005787	140.167 ppb
Surrogate Spike 150.000		Recovery =	93.44%
Target Compounds			
1) HATM Diesel (C10-C24)	6.63	56012396	69.336 ppb
2) HBTM Motor Oil (C24-C40)	15.62	98721182	126.468 ppb
Target Compounds			

Data File: G:\APOLLO\DATA\211007\1007186.D
Sample : BA42233W01 5/1000





Quantitation Report (QT Reviewed)

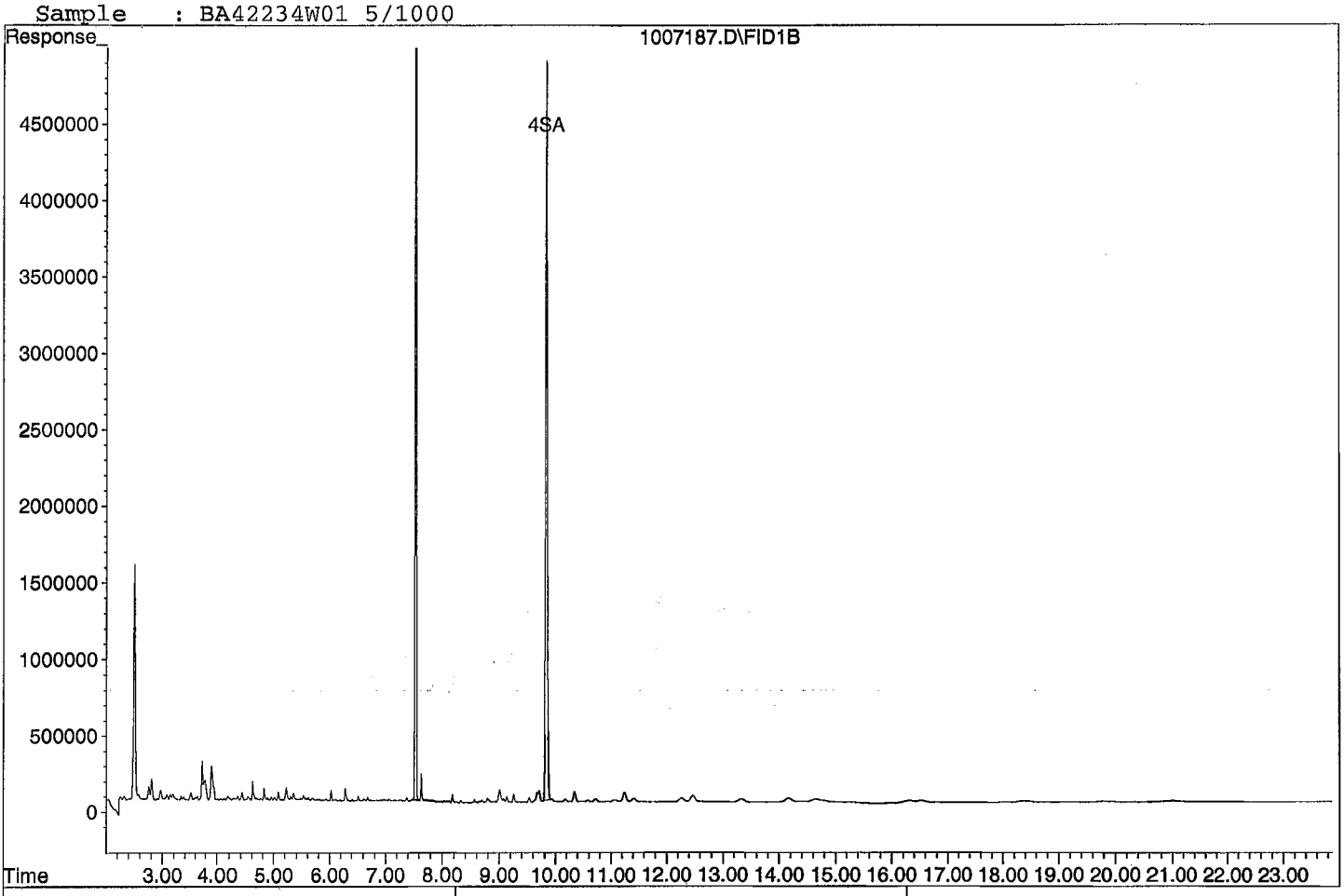
Data File : G:\APOLLO\DATA\211007\1007187.D Vial: 87
Acq On : 10-11-21 9:13:41 Operator: KA
Sample : BA42234W01 5/1000 Inst : Apollo
Misc : water Multiplr: 5.00
IntFile : events.e
Quant Time: Oct 16 12:28 2021 Quant Results File: DOC0830.RES

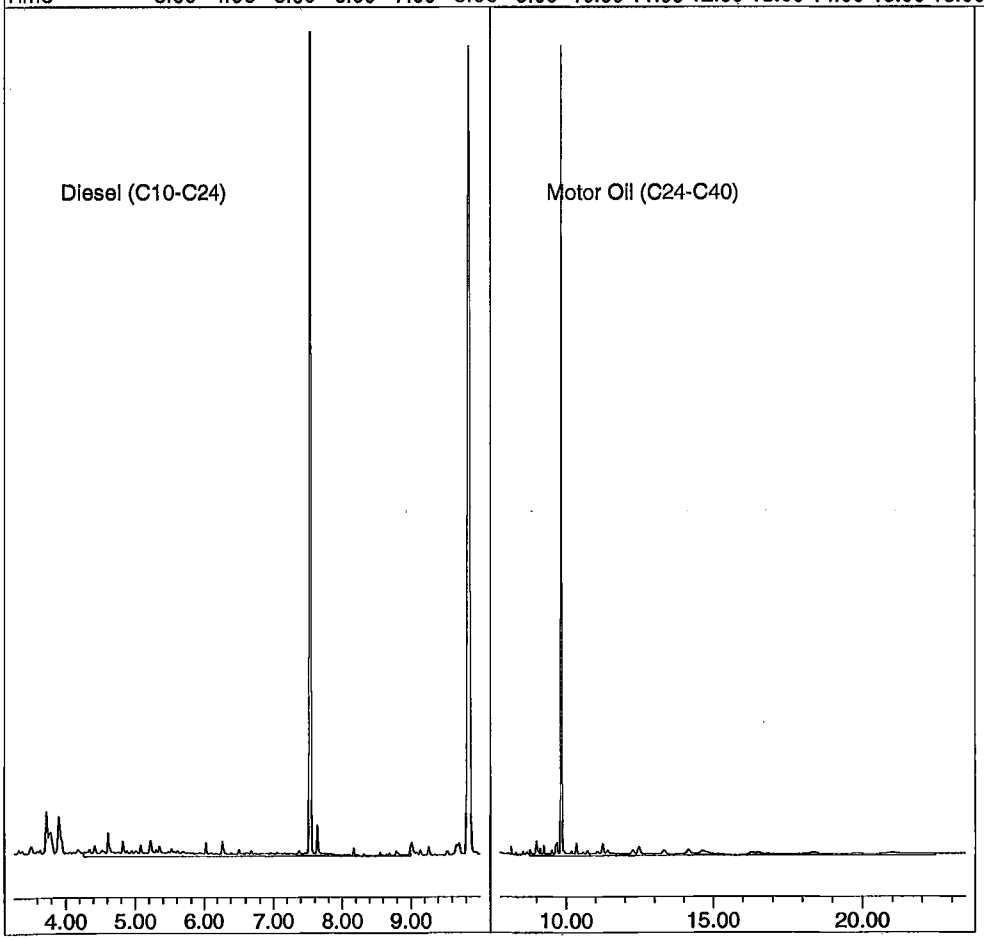
Method : G:\APOLLO\DATA\211007\DOC0830.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Mon Oct 11 17:41:08 2021
Response via : Multiple Level Calibration

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	120277255	116.066 ppb
Surrogate Spike 150.000		Recovery =	77.38%
4) SA Octacosane(S)	9.84	104039926	135.020 ppb
Surrogate Spike 150.000		Recovery =	90.01%
Target Compounds			
1) HATM Diesel (C10-C24)	6.63	59433486	73.571 ppb
2) HBTM Motor Oil (C24-C40)	15.62	113834049	152.009 ppb
Target Compounds			

Data File: G:\APOLLO\DATA\211007\1007187.D
Sample : BA42234W01 5/1000





Quantitation Report (QT Reviewed)

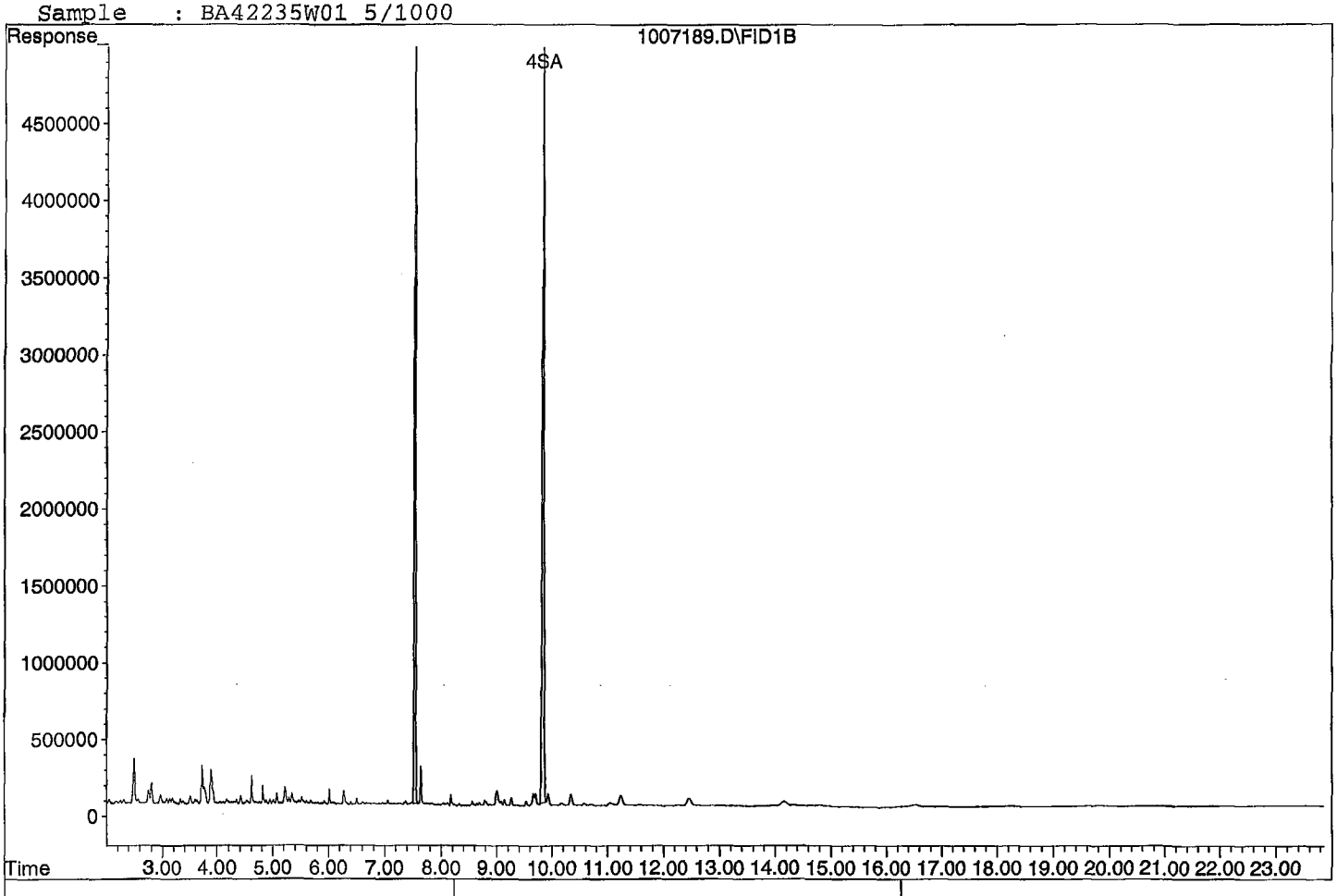
Data File : G:\APOLLO\DATA\211007\1007189.D Vial: 89
Acq On : 10-11-21 10:09:56 Operator: KA
Sample : BA42235W01 5/1000 Inst : Apollo
Misc : water Multiplr: 5.00
IntFile : events.e
Quant Time: Oct 16 12:28 2021 Quant Results File: DOC0830.RES

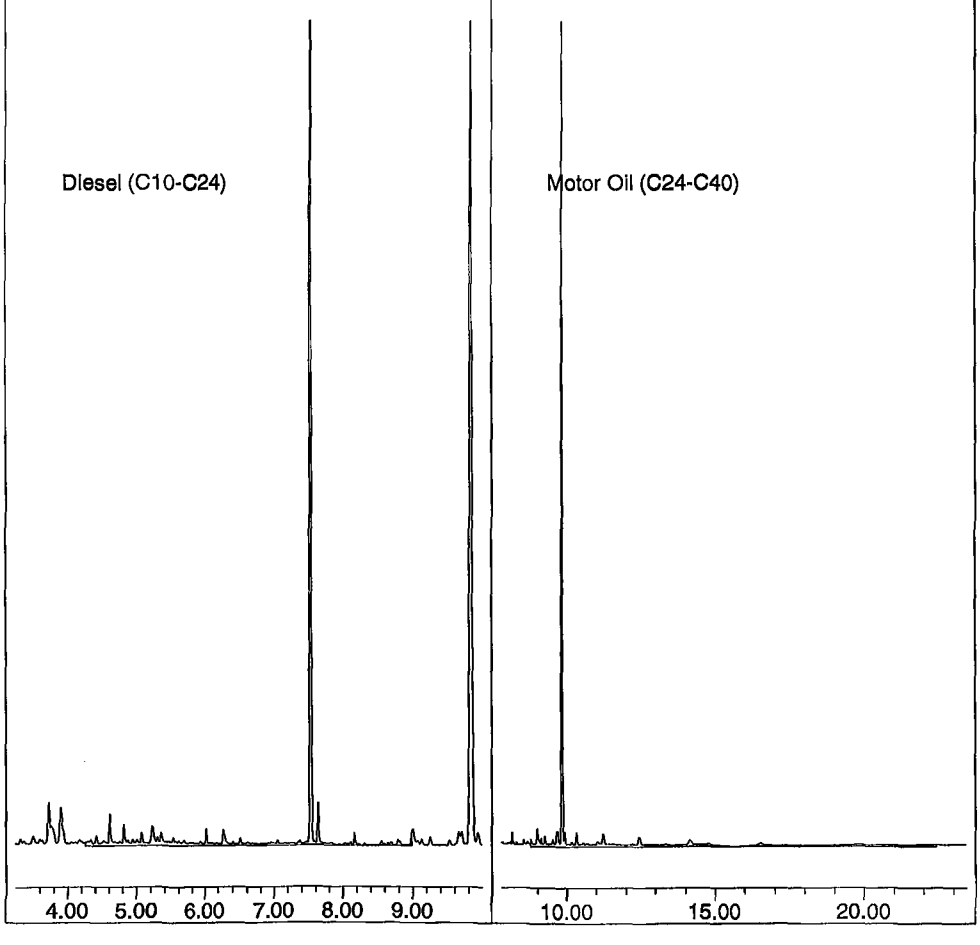
Method : G:\APOLLO\DATA\211007\DOC0830.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Mon Oct 11 17:41:08 2021
Response via : Multiple Level Calibration

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	124868788	120.496 ppb
Surrogate Spike 150.000		Recovery =	80.33%
4) SA Octacosane(S)	9.84	107832123	139.942 ppb
Surrogate Spike 150.000		Recovery =	93.29%
Target Compounds			
1) HATM Diesel (C10-C24)	6.63	59921468	74.175 ppb
2) HBTM Motor Oil (C24-C40)	15.62	114832232	153.696 ppb
Target Compounds			

Data File: G:\APOLLO\DATA\211007\1007189.D
Sample : BA42235W01 5/1000





Quantitation Report (QT Reviewed)

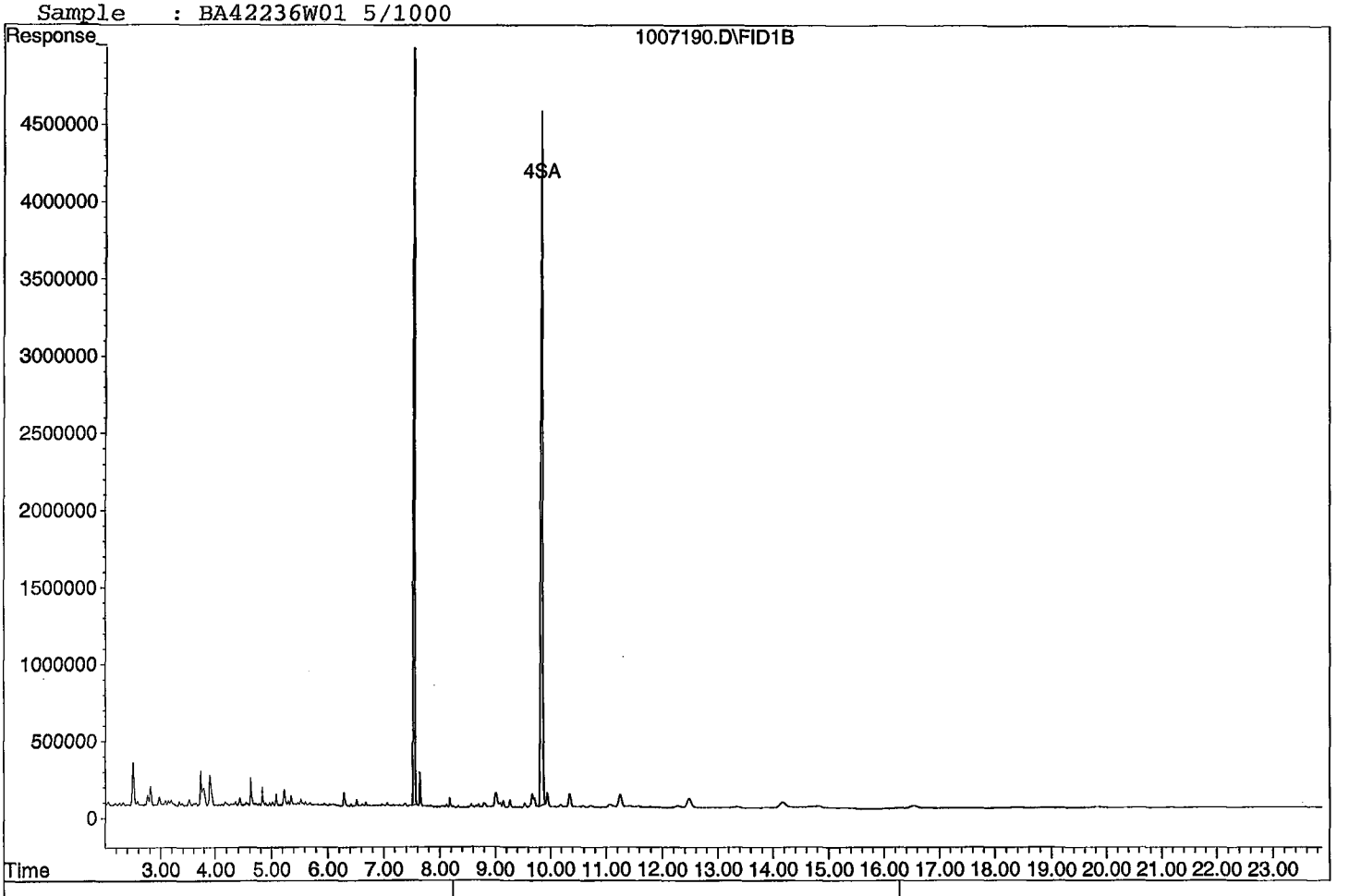
Data File : G:\APOLLO\DATA\211007\1007190.D Vial: 90
Acq On : 10-11-21 10:38:05 Operator: KA
Sample : BA42236W01 5/1000 Inst : Apollo
Misc : water Multiplr: 5.00
IntFile : events.e
Quant Time: Oct 16 12:28 2021 Quant Results File: DOC0830.RES

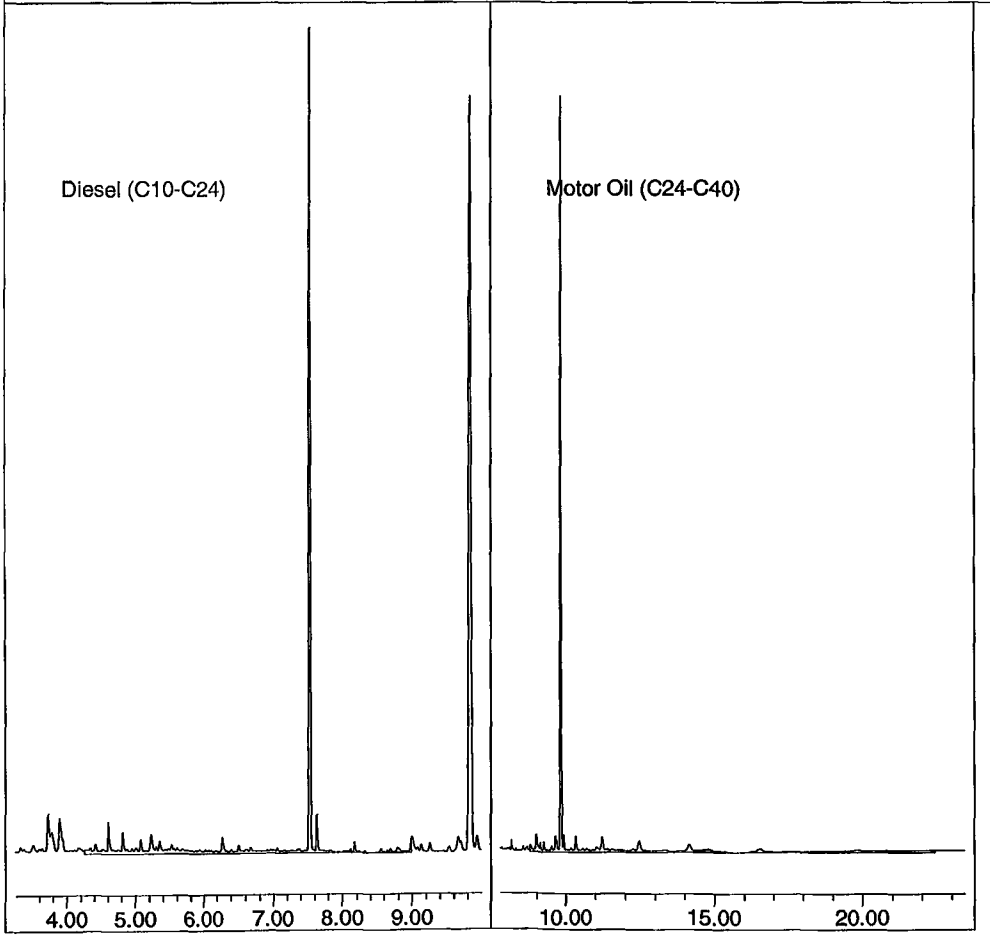
Method : G:\APOLLO\DATA\211007\DOC0830.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Mon Oct 11 17:41:08 2021
Response via : Multiple Level Calibration

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	111917823	107.999 ppb
Surrogate Spike 150.000		Recovery =	72.00%
4) SA Octacosane(S)	9.84	96768306	125.583 ppb
Surrogate Spike 150.000		Recovery =	83.72%
Target Compounds			
1) HATM Diesel (C10-C24)	6.63	61545368	76.185 ppb
2) HBTM Motor Oil (C24-C40)	15.62	114331525	152.850 ppb
Target Compounds			

Data File: G:\APOLLO\DATA\211007\1007190.D
Sample : BA42236W01 5/1000





Quantitation Report (QT Reviewed)

Data File : G:\APOLLO\DATA\211007\1007178.D Vial: 78
Acq On : 10-11-21 5:00:50 Operator: KA
Sample : 211004A BLK 5/1000 Inst : Apollo
Misc : water Multiplr: 5.00
IntFile : events.e
Quant Time: Oct 16 12:27 2021 Quant Results File: DOC0830.RES

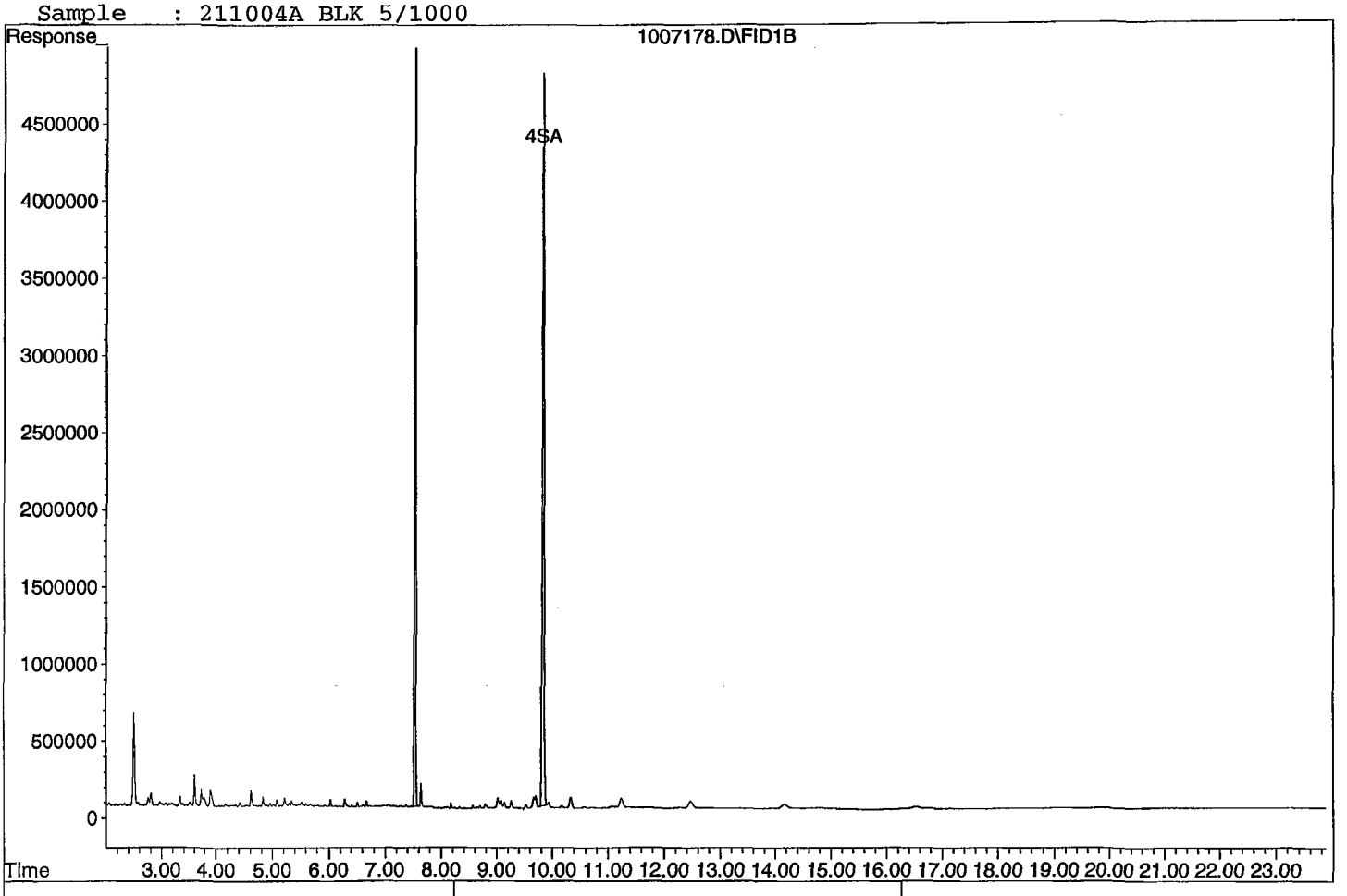
Method : G:\APOLLO\DATA\211007\DOC0830.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Mon Oct 11 17:41:08 2021
Response via : Multiple Level Calibration

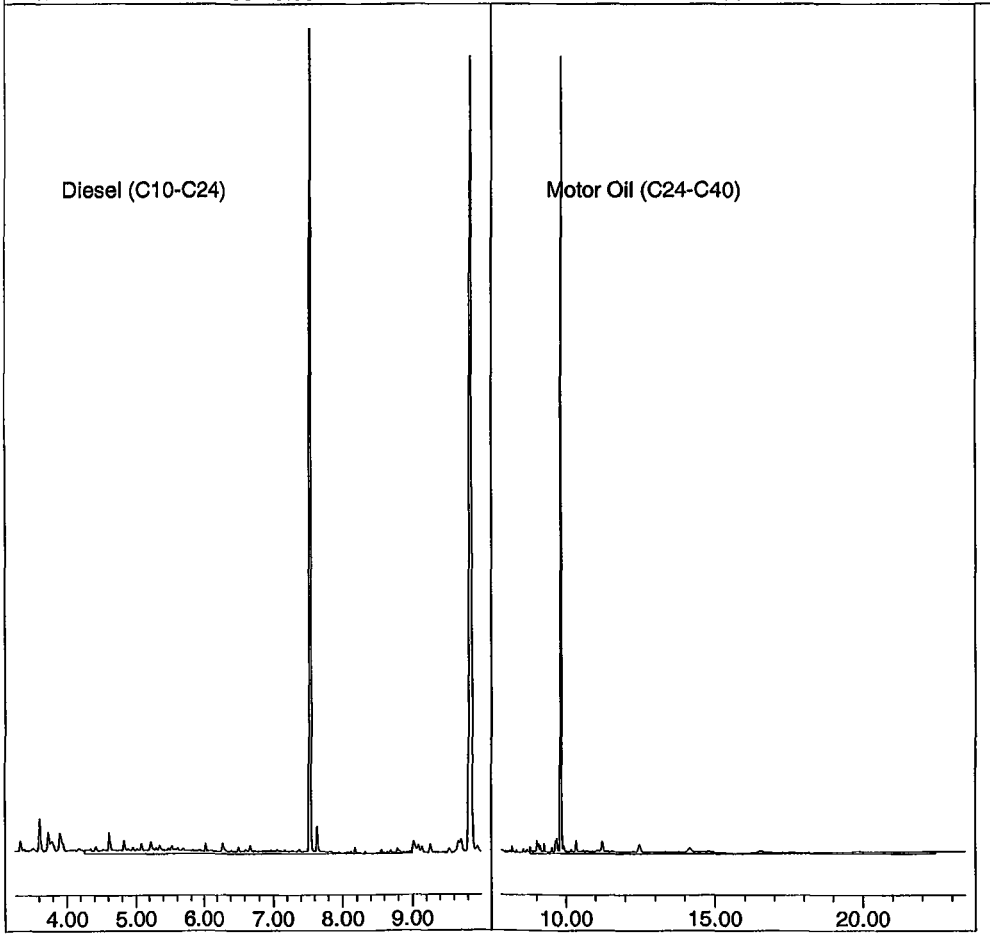
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.54	113590671	109.613 ppb
Surrogate Spike 150.000		Recovery =	73.08%
4) SA Octacosane(S)	9.84	101356285	131.537 ppb
Surrogate Spike 150.000		Recovery =	87.69%
Target Compounds			
1) HATM Diesel (C10-C24)	6.63	56301750	69.694 ppb
2) HBTM Motor Oil (C24-C40)	15.62	103928393	135.268 ppb
Target Compounds			

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

Data File: G:\APOLLO\DATA\211007\1007178.D
Sample : 211004A BLK 5/1000





Quantitation Report (QT Reviewed)

Data File : G:\APOLLO\DATA\211007\1007179.D Vial: 79
Acq On : 10-11-21 5:28:56 Operator: KA
Sample : 211004A LCS-1 5/1000 Inst : Apollo
Misc : water Multiplr: 5.00
IntFile : events.e
Quant Time: Oct 16 12:27 2021 Quant Results File: DOC0830.RES

Method : G:\APOLLO\DATA\211007\DOC0830.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Mon Oct 11 17:41:08 2021
Response via : Multiple Level Calibration

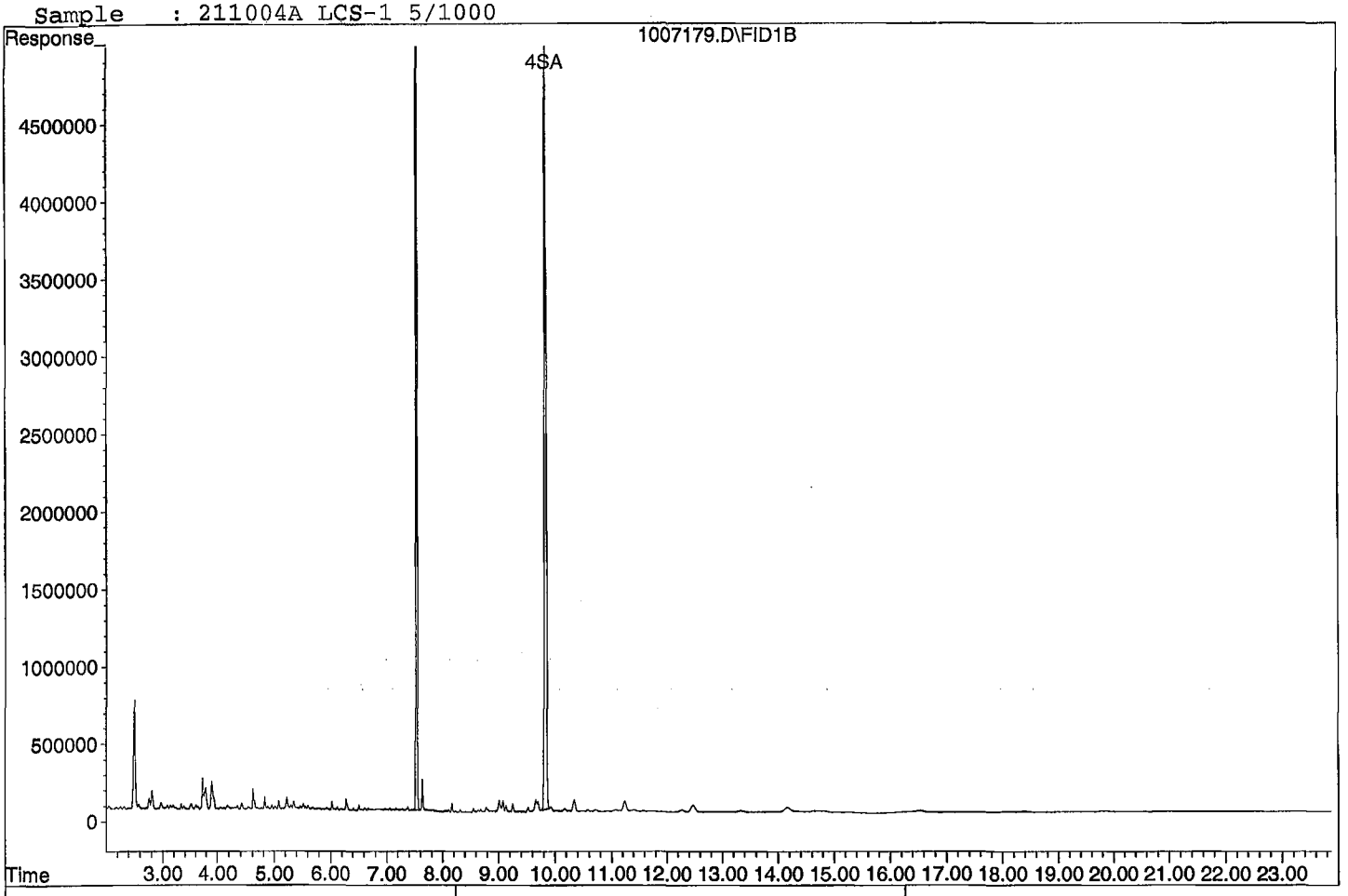
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

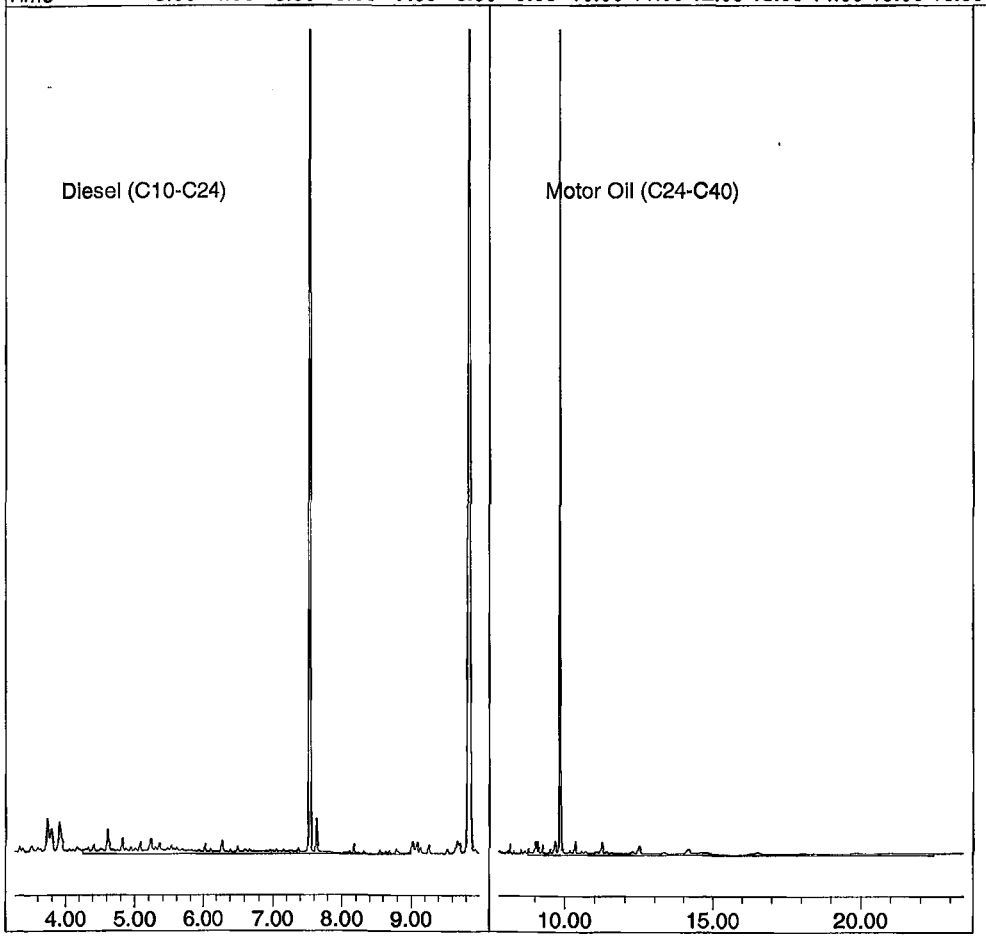
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.54	126872235	122.430 ppb
Surrogate Spike 150.000		Recovery =	81.62%
4) SA Octacosane(S)	9.84	111179424	144.286 ppb
Surrogate Spike 150.000		Recovery =	96.19%
Target Compounds			
1) HATM Diesel (C10-C24)	6.63	60008354	74.283 ppb
2) HBTM Motor Oil (C24-C40)	15.62	108199588	142.487 ppb
Target Compounds			

Diesel:

$$\frac{(60008354)(5)}{(2019597)(2)} = \frac{300041770}{4039194} = \boxed{74.283}$$

Data File: G:\APOLLO\DATA\211007\1007179.D
Sample : 211004A LCS-1 5/1000





Quantitation Report (QT Reviewed)

Data File : G:\APOLLO\DATA\211007\1007180.D Vial: 80
Acq On : 10-11-21 5:57:04 Operator: KA
Sample : 211004A LCSD-1 5/1000 Inst : Apollo
Misc : water Multiplr: 5.00
IntFile : events.e
Quant Time: Oct 16 12:27 2021 Quant Results File: DOC0830.RES

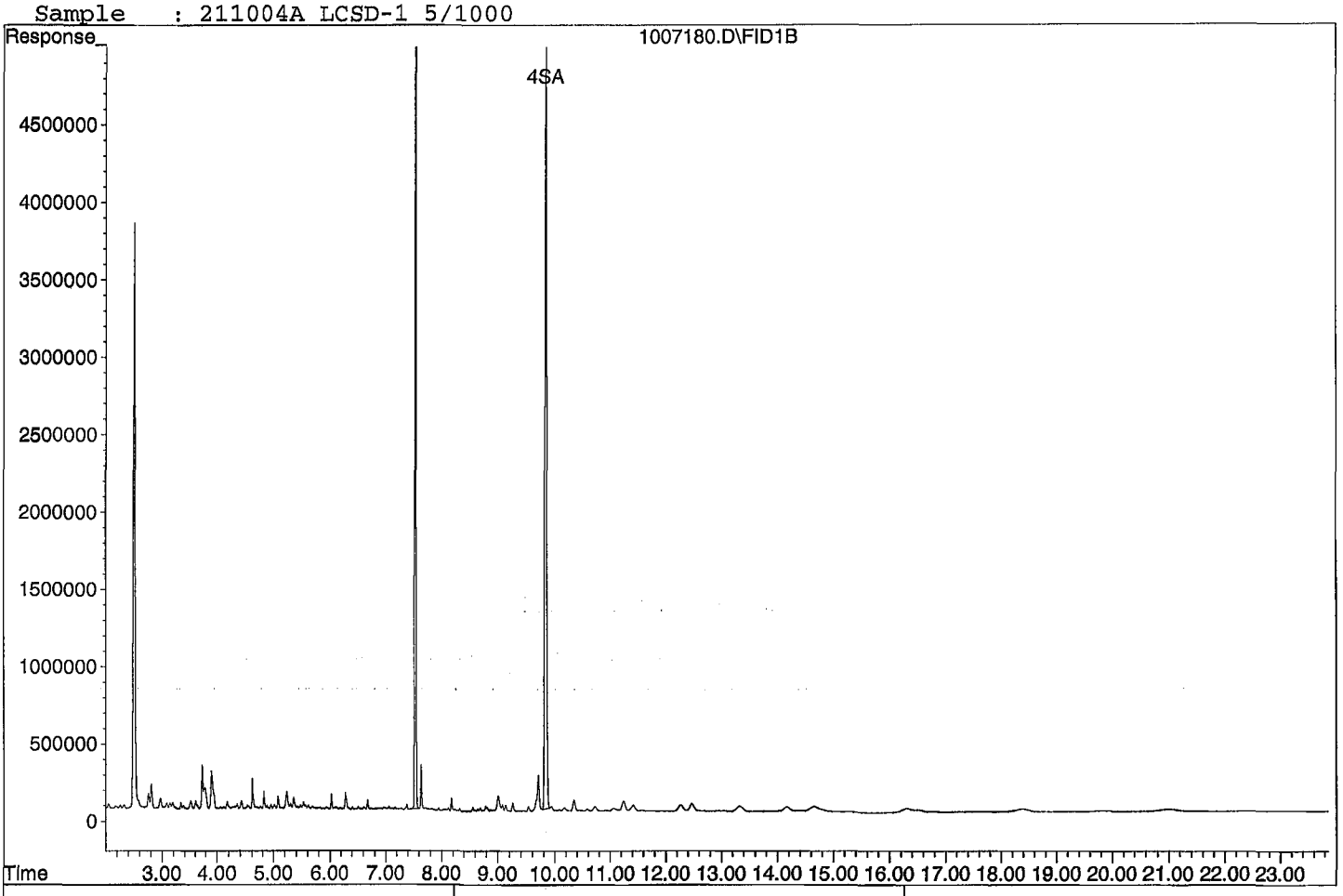
Method : G:\APOLLO\DATA\211007\DOC0830.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Mon Oct 11 17:41:08 2021
Response via : Multiple Level Calibration

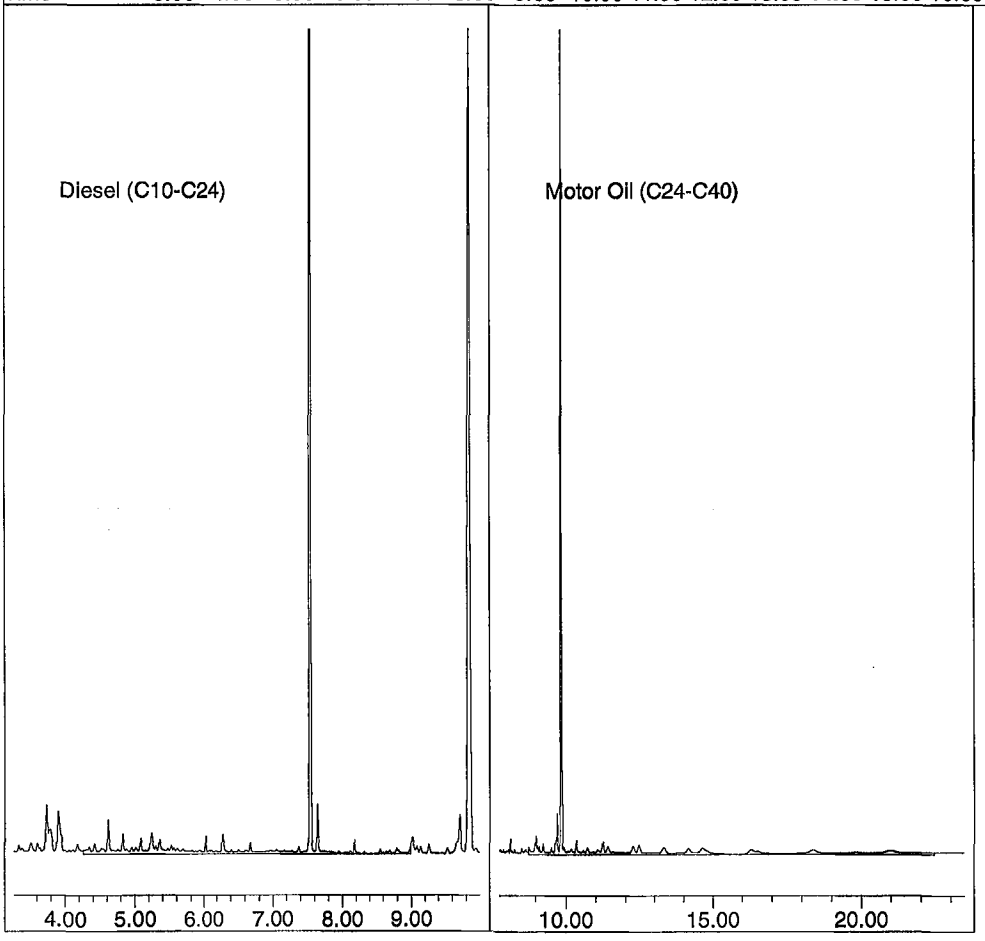
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.54	124437862	120.081 ppb
Surrogate Spike 150.000		Recovery =	80.05%
4) SA Octacosane(S)	9.84	107448529	139.444 ppb
Surrogate Spike 150.000		Recovery =	92.96%
Target Compounds			
1) HATM Diesel (C10-C24)	6.63	64627734	80.001 ppb
2) HBTM Motor Oil (C24-C40)	15.62	130857929	180.780 ppb
Target Compounds			

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

Data File: G:\APOLLO\DATA\211007\1007180.D
Sample : 211004A 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**	[redacted]	**2/28/2022**	50uL	10mL	MC	250
Motor Oil Second Source	Absolute	51094	50,000	**010918-39581**	[redacted]	**1/9/2023**	50uL			

Diesel / Motor Oil CCV

Prepared : 10/6/2021

Expires: 5/31/2026

Prepared By (Initials): KA

Methylene Chloride Lot No. 61117

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

THC Surrogate

Prepared: 8/24/2021 **KA**

Expires: 8/24/2022

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)
O-terphenyl / Octacosane Mix	Phenova	ALO-130161	600	**CL16893-52838**	**8/24/2022**	**5/31/2026**	N/A	N/A	N/A	600

_LIQ005

Organic Extraction Worksheet

Method	Continuous Liq/Liq TPH-Diesel/MO 3520C	Extraction Set	211004A	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	211004A Blk				0.250	1 equip	1000	5	2	10/04/21 10:52	
2	211004A LCS-1				0.250	1 equip	1000	5	2	10/04/21 10:52	
3	211004A LCSD-1				0.250	1 equip	1000	5	2	10/04/21 10:52	
4	BA42040	BA42040W01			0.250	1 equip	1000	5	2	10/04/21 10:52	97717
5	BA42041 MS-1	BA42041W02			0.250	1 equip	1000	5	2	10/04/21 10:52	97717
6	BA42041 MSD-1	BA42041W03			0.250	1 equip	1000	5	2	10/04/21 10:52	97717
7	BA42041	BA42041W01			0.250	1 equip	1000	5	2	10/04/21 10:52	97717
8	BA42042	BA42042W01			0.250	1 equip	1000	5	2	10/04/21 10:52	97717
9	BA42233	BA42233W01			0.250	1 equip	1000	5	2	10/04/21 10:52	97741
10	BA42234	BA42234W01			0.250	1 equip	1000	5	2	10/04/21 10:52	97741
11	BA42235	BA42235W01			0.250	1 equip	1000	5	2	10/04/21 10:52	97741
12	BA42236	BA42236W01			0.250	1 equip	1000	5	2	10/04/21 10:52	97741

Solvent and Lot#	
1+1 HCL (5mLs)	*
PH Strips	*
Dicholormethane	61117
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	10/7/2021 1:23:58 PM

Reviewed By: **Date**

Injection Log

Directory: G:\APOLLO\DATA\210830\

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	4	830004.D	1	DMO STD Curve 1	water	8-30-21 14:23:31
2	5	830005.D	1	DMO STD Curve 2	water	8-30-21 14:52:00
3	6	830006.D	1	DMO STD Curve 3	water	8-30-21 15:20:31
4	7	830007.D	1	DMO STD Curve 4	water	8-30-21 15:48:59
5	8	830008.D	1	DMO STD Curve 5	water	8-30-21 16:17:29
6	9	830009.D	1	DMO STD Curve 6	water	8-30-21 16:45:57
7	10	830010.D	1	DMO STD Curve 7	water	8-30-21 17:14:26
8	11	830011.D	1	DMO Second Source	water	8-30-21 17:43:02
9	74	1007174.D	1	Diesel Motor Oil CCV 10/6/21	water	10-11-21 3:08:28
10	78	1007178.D	5	211004A BLK 5/1000	water	10-11-21 5:00:50
11	79	1007179.D	5	211004A LCS-1 5/1000	water	10-11-21 5:28:56
12	80	1007180.D	5	211004A LCSD-1 5/1000	water	10-11-21 5:57:04
13	86	1007186.D	5	BA42233W01 5/1000	water	10-11-21 8:45:33
14	87	1007187.D	5	BA42234W01 5/1000	water	10-11-21 9:13:41
15	88	1007188.D	1	Diesel Motor Oil CCV 10/6/21	water	10-11-21 9:41:48
16	89	1007189.D	5	BA42235W01 5/1000	water	10-11-21 10:09:56
17	90	1007190.D	5	BA42236W01 5/1000	water	10-11-21 10:38:05
18	93	1007193.D	1	Diesel Motor Oil CCV 10/6/21	water	10-11-21 12:02:37

ORGANICS
Calibration Data

PAH by GCMS SIM
EPA 8270 SIM

Form 6
Initial Calibration

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

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

Quantitation Report (Not Reviewed)

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

Quant Time: Oct 19 16:48 2021 Quant Results File: K1019.RES

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

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

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

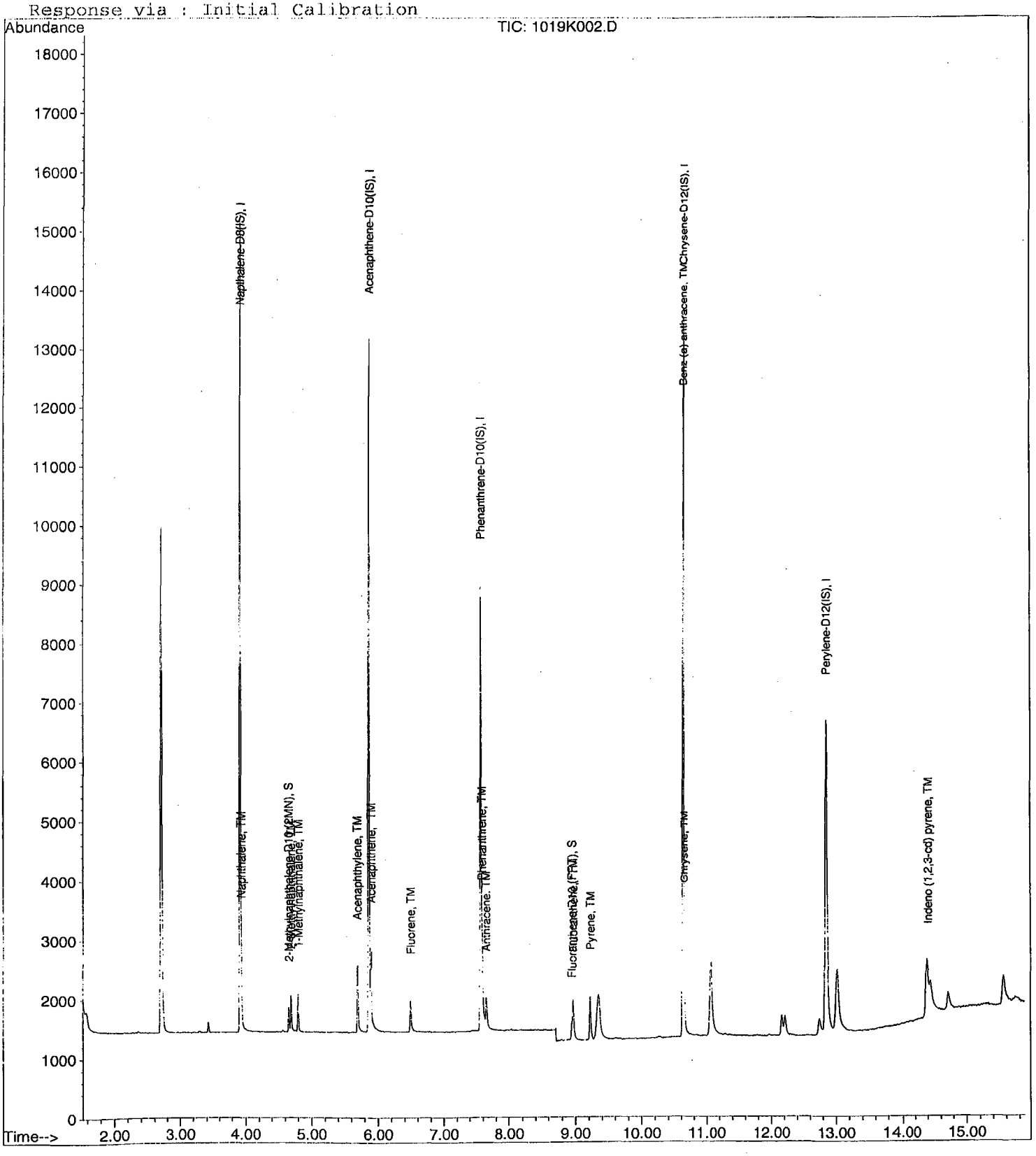
Quantitation Report

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

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

Quant Time: Oct 19 16:48 2021 Quant Results File: K1019.RES

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



Quantitation Report (Not Reviewed)

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

Quant Time: Oct 19 16:48 2021 Quant Results File: K1019.RES

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

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

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

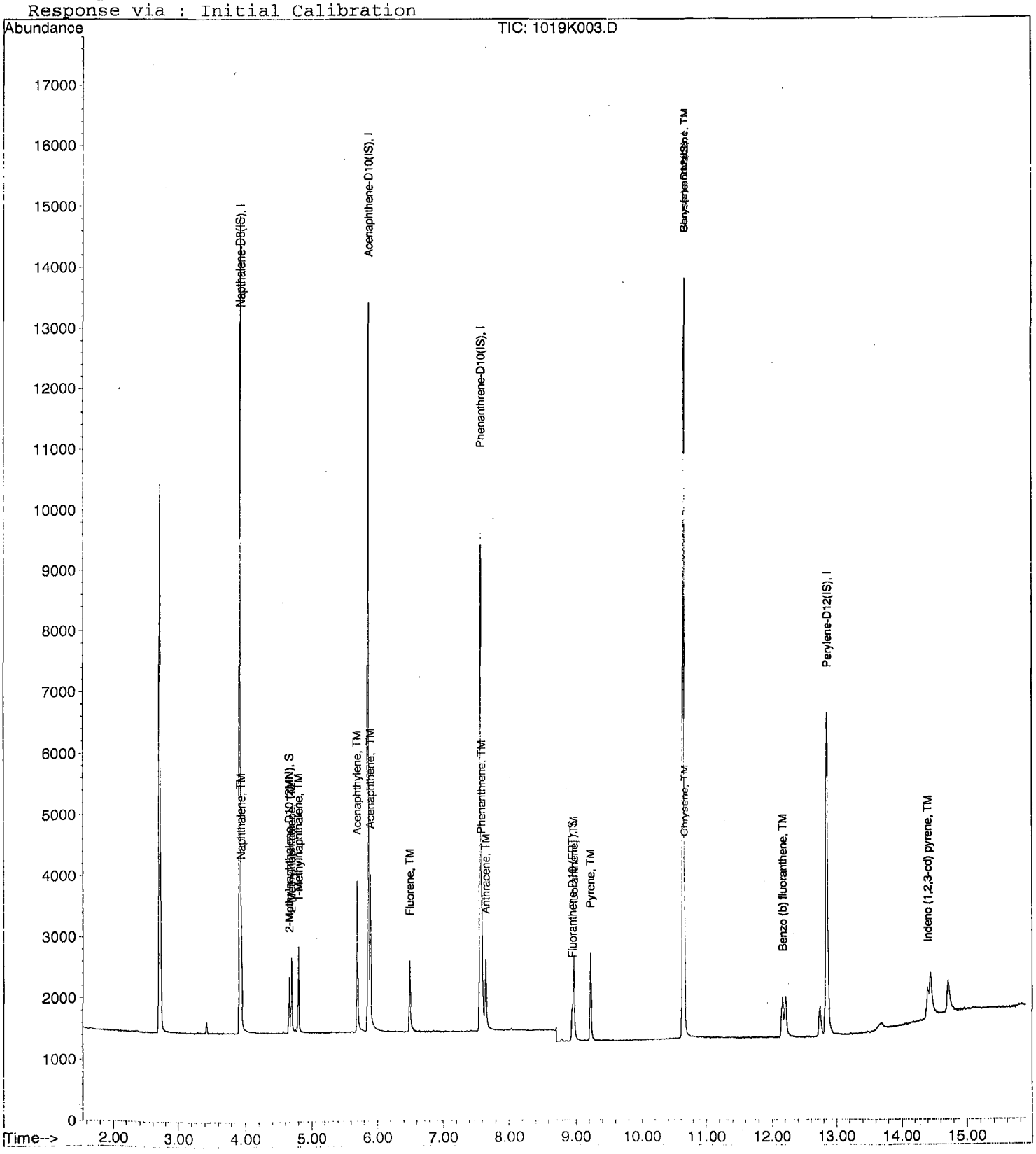
Quantitation Report

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

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

Quant Time: Oct 19 16:48 2021 Quant Results File: K1019.RES

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



Quantitation Report (Not Reviewed)

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

Quant Time: Oct 19 16:48 2021 Quant Results File: K1019.RES

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

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

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

Quantitation Report

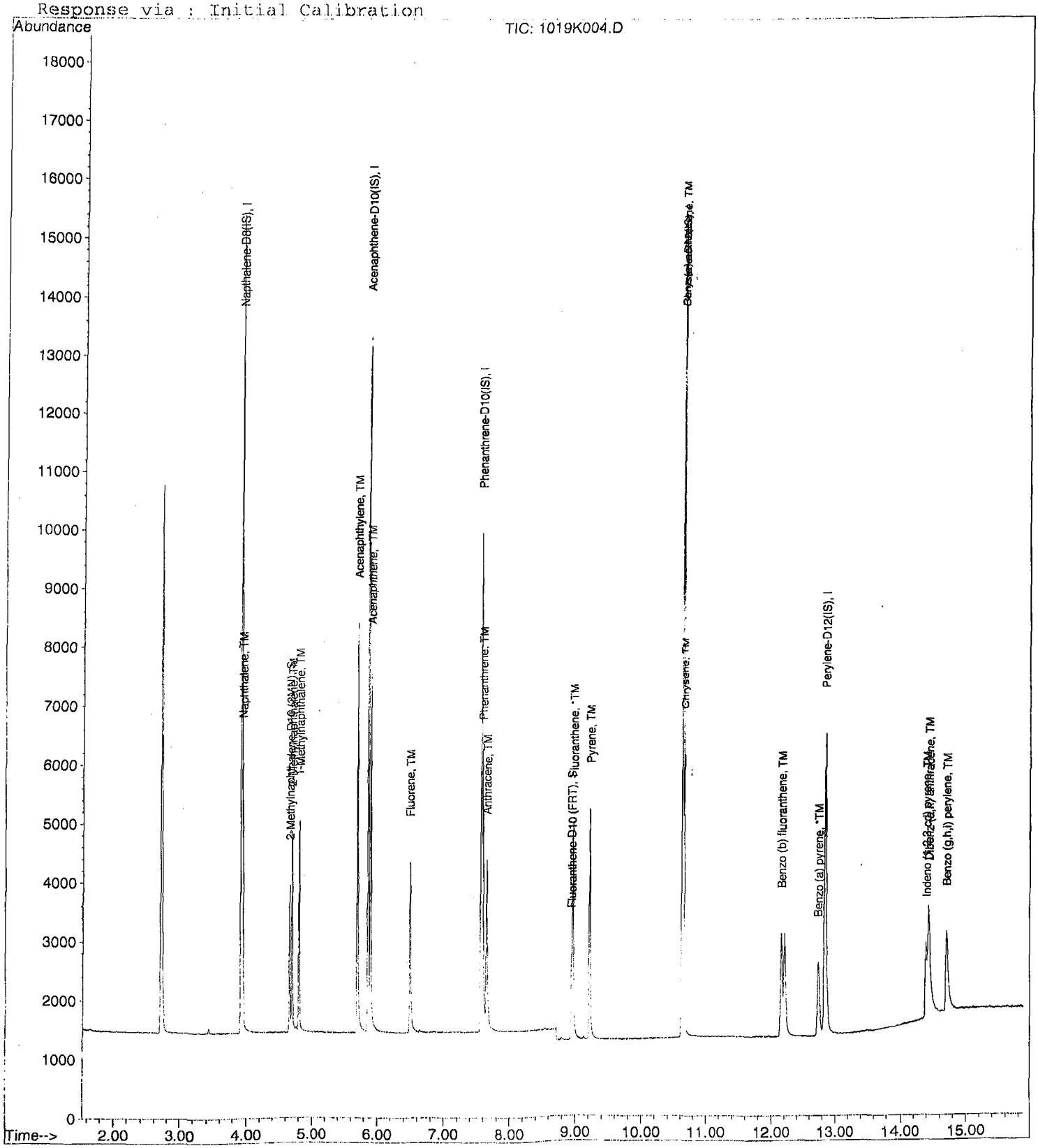
Data File : M:\KYLO\DATA\211019\1019K004.D
Acq On : 19 Oct 21 14:49
Sample : 0.5 ug/ml 10/10/21
Misc :

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

Quant Time: Oct 19 16:48 2021

Quant Results File: K1019.RES

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



Quantitation Report (Not Reviewed)

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

Quant Time: Oct 19 16:48 2021 Quant Results File: K1019.RES

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

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

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

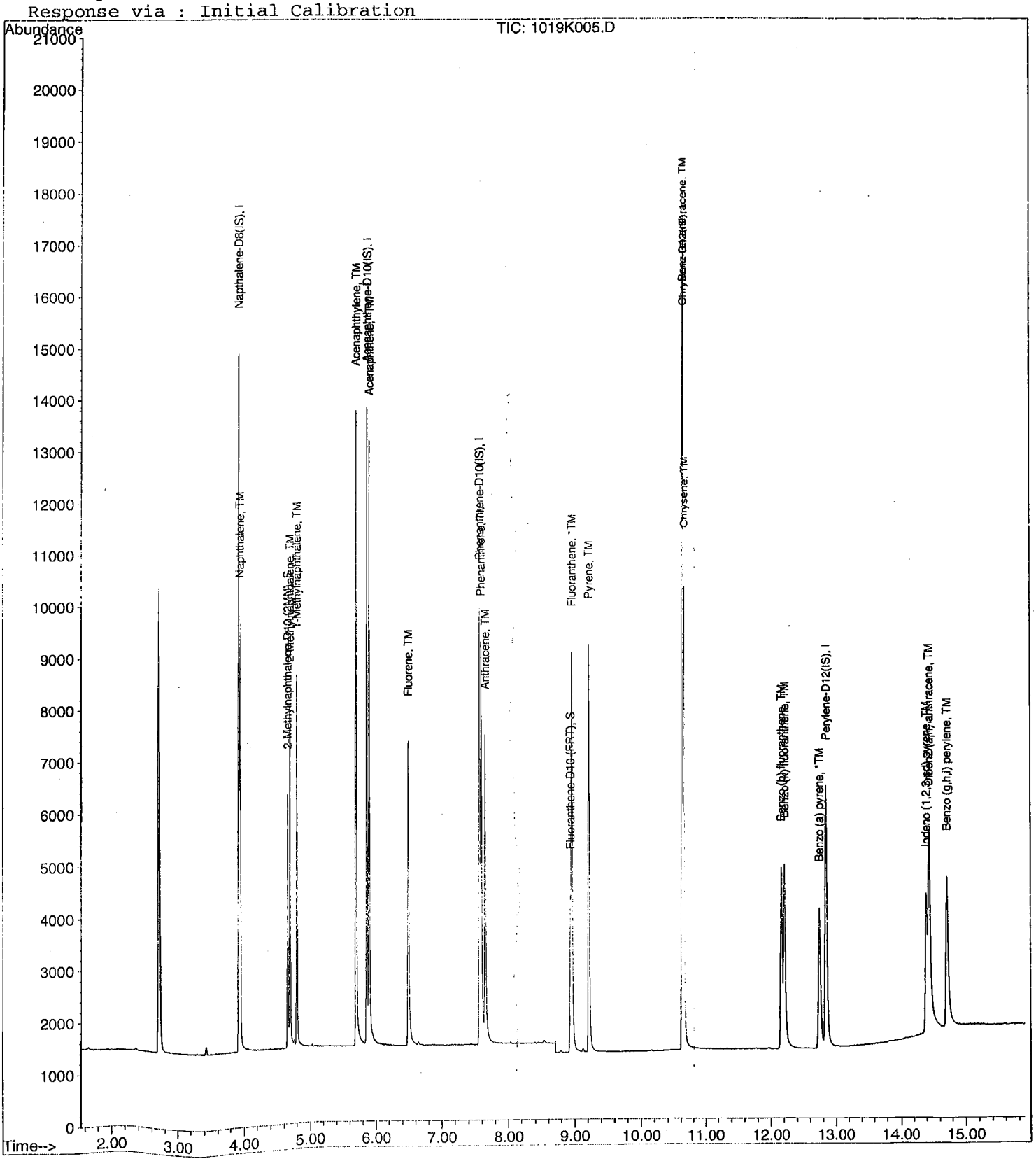
Quantitation Report

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

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

Quant Time: Oct 19 16:48 2021 Quant Results File: K1019.RES

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



Quantitation Report (Not Reviewed)

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

Quant Time: Oct 19 16:48 2021 Quant Results File: K1019.RES

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

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

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

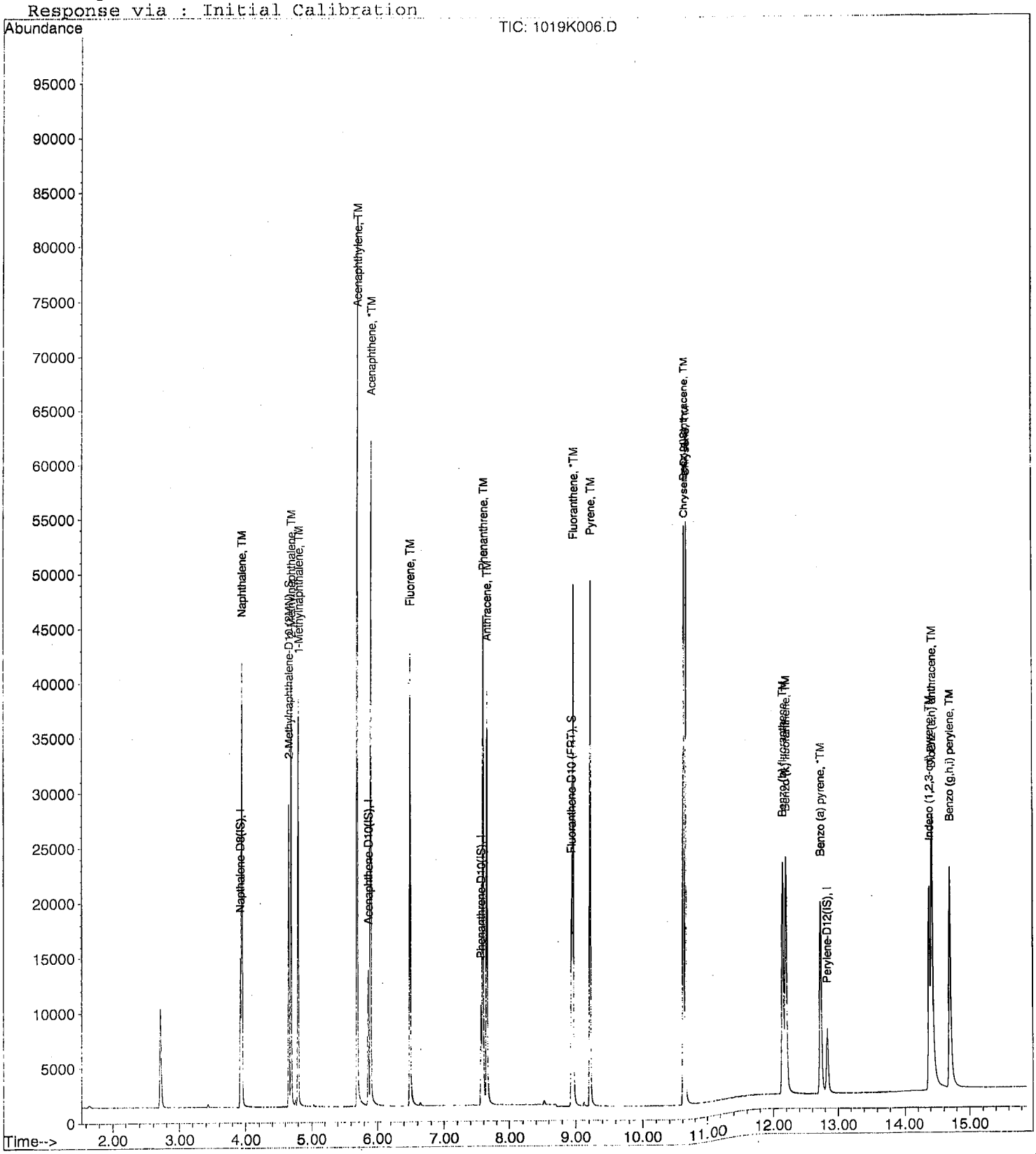
Quantitation Report

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

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

Quant Time: Oct 19 16:48 2021 Quant Results File: K1019.RES

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



Quantitation Report (Not Reviewed)

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

Quant Time: Oct 19 16:49 2021 Quant Results File: K1019.RES

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

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

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

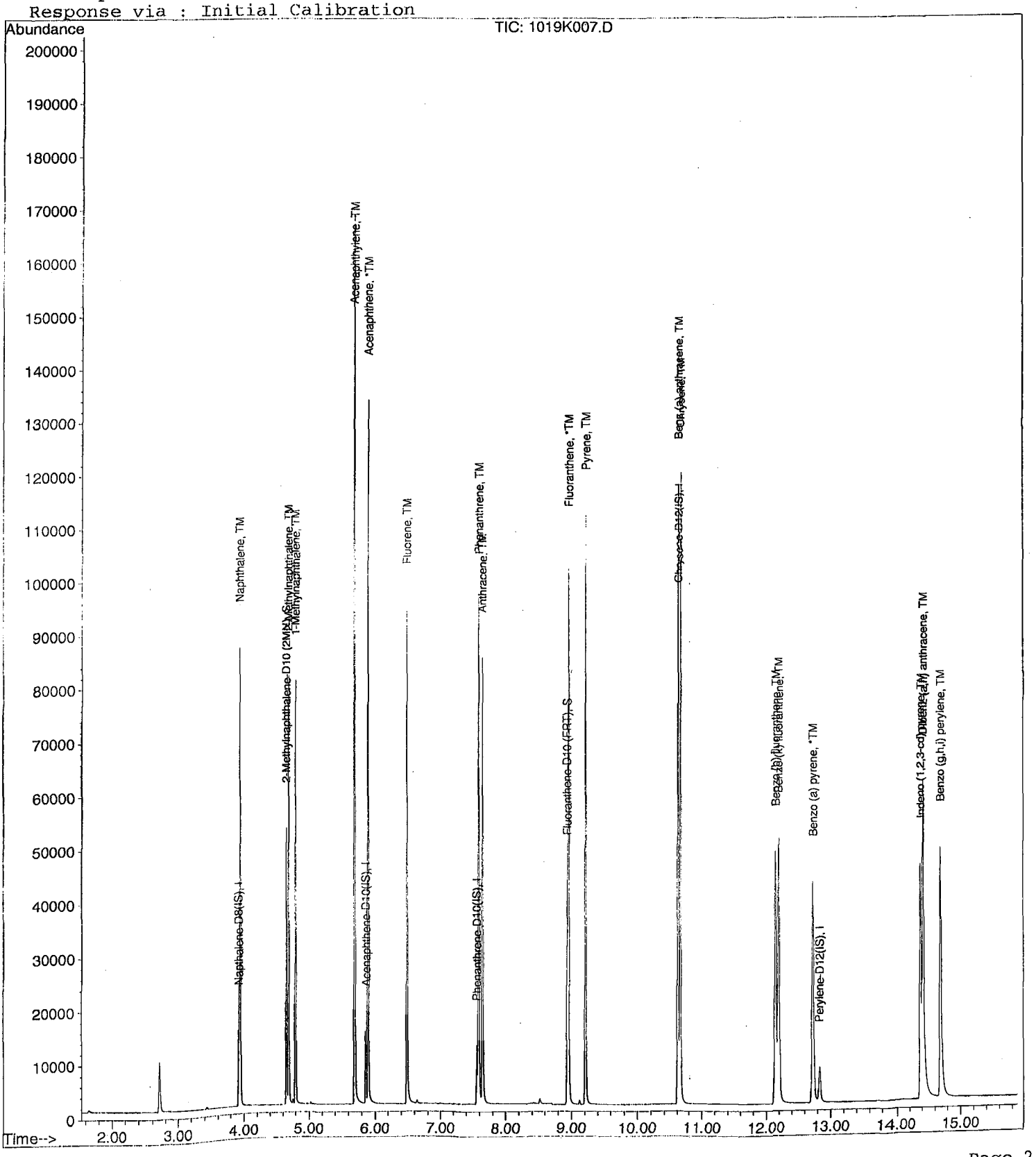
Quantitation Report

Data File : M:\KYLO\DATA\211019\1019K007.D
Acq On : 19 Oct 21 15:49
Sample : 10 ug/ml 10/10/21
Misc :

Vial: 7
Operator: LS
Inst : KYLO
Multiplr: 1.00

Quant Time: Oct 19 16:49 2021 Quant Results File: K1019.RES

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



Quantitation Report (Not Reviewed)

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

Quant Time: Oct 19 16:49 2021 Quant Results File: K1019.RES

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

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

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

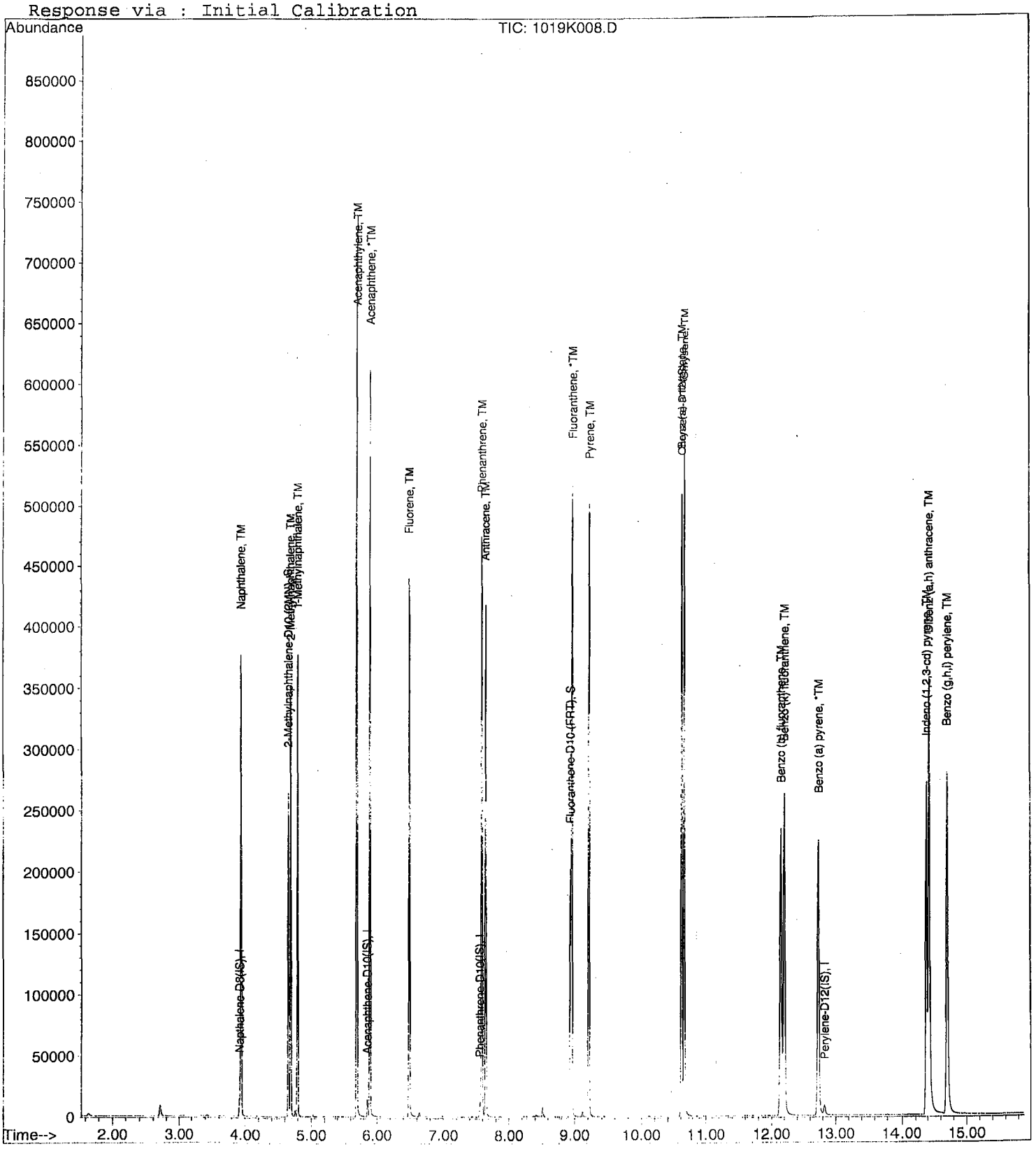
Quantitation Report

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

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

Quant Time: Oct 19 16:49 2021 Quant Results File: K1019.RES

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



Quantitation Report (Not Reviewed)

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

Quant Time: Oct 19 16:49 2021 Quant Results File: K1019.RES

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

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

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

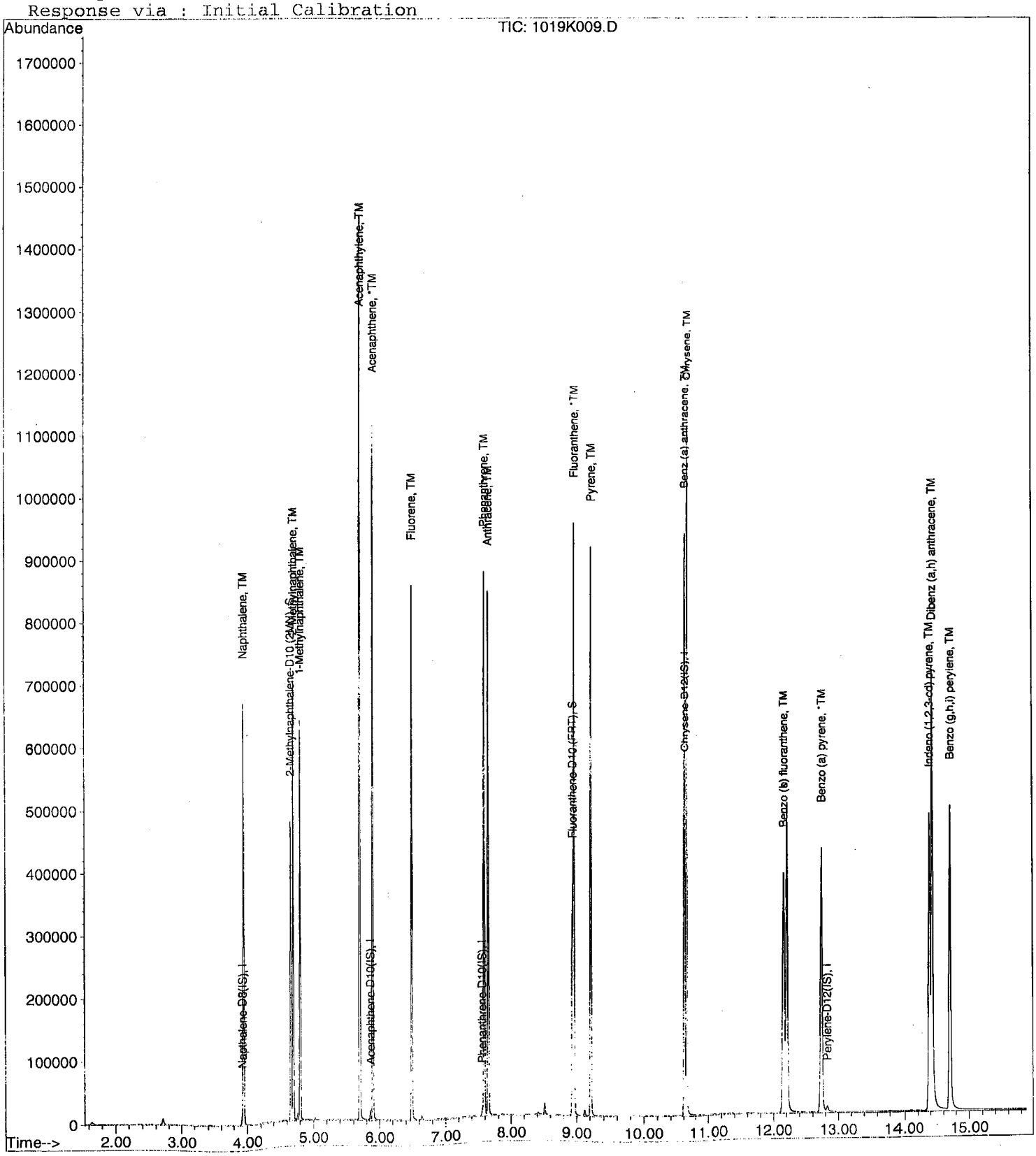
Quantitation Report

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

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

Quant Time: Oct 19 16:49 2021 Quant Results File: K1019.RES

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



PAH by GCMS SIM
EPA 8270 SIM

Form 7

Second Source Calibration

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

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

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

PAH by GCMS SIM
EPA 8270 SIM

Quantitation Report (Not Reviewed)

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

Quant Time: Oct 19 17:06 2021 Quant Results File: K1019.RES

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

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

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

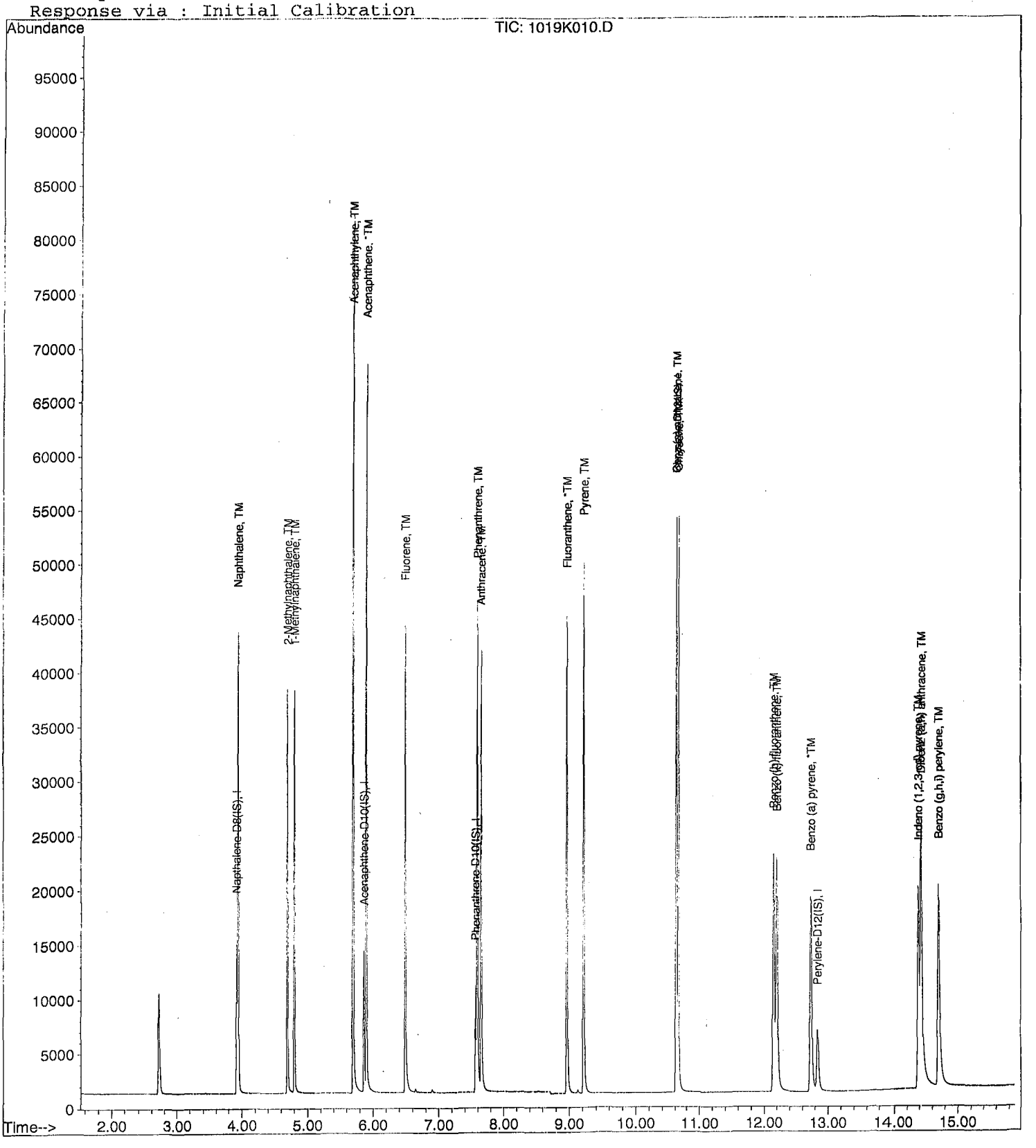
Quantitation Report

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

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

Quant Time: Oct 19 17:06 2021 Quant Results File: K1019.RES

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



PAH by GCMS SIM
EPA 8270 SIM

Form 7

Ending Continuing Calibration

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

SDG No:
Date Analyzed: 10/20/2021
Instrument: KYLO
Initial Cal. Date: 10/19/2021
Data File: 1019K045.D

		Compound	MEAN	CCRF	%D		%Drift
1	I	Napthalene-D8(IS)	ISTD			I	
2	TM	Naphthalene	1.299	1.292	0.53	TM	
3	S	2-Methylnaphthalene-D10 (2MN)	1.277	1.274	0.18	S	
4	TM	2-Methylnaphthalene	0.7611	0.7852	3.2	TM	
5	TM	1-Methylnaphthalene	0.7681	0.7861	2.3	TM	
6	I	Acenaphthene-D10(IS)	ISTD			I	
7	TM	Acenaphthylene	5.176	5.465	5.6	TM	
8	*TM	Acenaphthene	1.371	1.381	0.72	*TM	
9	TM	Fluorene	1.589	1.634	2.9	TM	
10	I	Phenanthrene-D10(IS)	ISTD			I	
11	TM	Phenanthrene	1.376	1.391	1.1	TM	
12	TM	Anthracene	1.299	1.354	4.2	TM	
13	S	Fluoranthene-D10 (FRT)	1.949	2.005	2.9	S	
14	*TM	Fluoranthene	2.137	2.242	4.9	*TM	
15	I	Chrysene-D12(IS)	ISTD			I	
16	TM	Pyrene	1.914	2.017	5.4	TM	
17	TM	Benz (a) anthracene	1.401	1.518	8.4	TM	
18	TM	Chrysene	1.558	1.560	0.16	TM	
19	TML	Indeno (1,2,3-cd) pyrene	1.272	1.139	11	TML	1.2
20	I	Perylene-D12(IS)	ISTD			I	
21	TM	Benzo (b) fluoranthene	1.408	1.492	6.0	TM	
22	TM	Benzo (k) fluoranthene	1.610	1.614	0.22	TM	
23	*TM	Benzo (a) pyrene	1.341	1.444	7.7	*TM	
24	TM	Dibenz (a,h) anthracene	1.326	1.320	0.45	TM	
25	TM	Benzo (g,h,i) perylene	1.443	1.420	1.6	TM	
26							
27							
28							
29							
30							
31							
32							
33							
34							
35							
36							
37							
38							
39							
40							
		Average			3.5		

Quantitation Report (Not Reviewed)

Data File : M:\KYLO\DATA\211019\1019K045.D Vial: 45
Acq On : 20 Oct 21 4:32 Operator: LS
Sample : 5 ug/ml 10/10/21 (2) Inst : KYLO
Misc : Multiplr: 1.00

Quant Time: Oct 20 7:48 2021 Quant Results File: K1019.RES

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Napthalene-D8(IS)	3.92	136	17106	2.50000	ppb	0.00
6) Acenaphthene-D10(IS)	5.85	164	8524	2.50000	ppb	0.00
10) Phenanthrene-D10(IS)	7.56	188	13228	2.50000	ppb	0.00
15) Chrysene-D12(IS)	10.62	240	15148	2.50000	ppb	0.00
20) Perylene-D12(IS)	12.83	264	14174	2.50000	ppb	0.00
System Monitoring Compounds						
3) 2-Methylnaphthalene-D10 (2	4.66	152	21798	2.49539	ppb	0.00
Spiked Amount 5.000			Recovery =	49.900%		
13) Fluoranthene-D10 (FRT)	8.93	212	26521	2.57191	ppb	0.00
Spiked Amount 5.000			Recovery =	51.440%		
Target Compounds						Qvalue
2) Naphthalene	3.94	128	44192	4.97333	ppb	100
4) 2-Methylnaphthalene	4.69	142	26864	5.15850	ppb	100
5) 1-Methylnaphthalene	4.80	142	26895	5.11726	ppb	100
7) Acenaphthylene	5.69	152	93171	5.27974	ppb	100
8) Acenaphthene	5.89	154	23538	5.03583	ppb	100
9) Fluorene	6.49	166	27860	5.14365	ppb	99
11) Phenanthrene	7.59	178	36789	5.05365	ppb	99
12) Anthracene	7.64	178	35820	5.20964	ppb	100
14) Fluoranthene	8.95	202	59306	5.24421	ppb	99
16) Pyrene	9.21	202	61114	5.26931	ppb	99
17) Benz (a) anthracene	10.61	228	46004	5.41837	ppb	100
18) Chrysene	10.65	228	47271	5.00782	ppb	99
19) Indeno (1,2,3-cd) pyrene	14.38	276	34500	5.05763	ppb	99
21) Benzo (b) fluoranthene	12.14	252	42299	5.29900	ppb	99
22) Benzo (k) fluoranthene	12.19	252	45744	5.01124	ppb	99
23) Benzo (a) pyrene	12.73	252	40927	5.38297	ppb	99
24) Dibenz (a,h) anthracene	14.42	278	37418	4.97731	ppb	99
25) Benzo (g,h,i) perylene	14.69	276	40264	4.92144	ppb	100

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

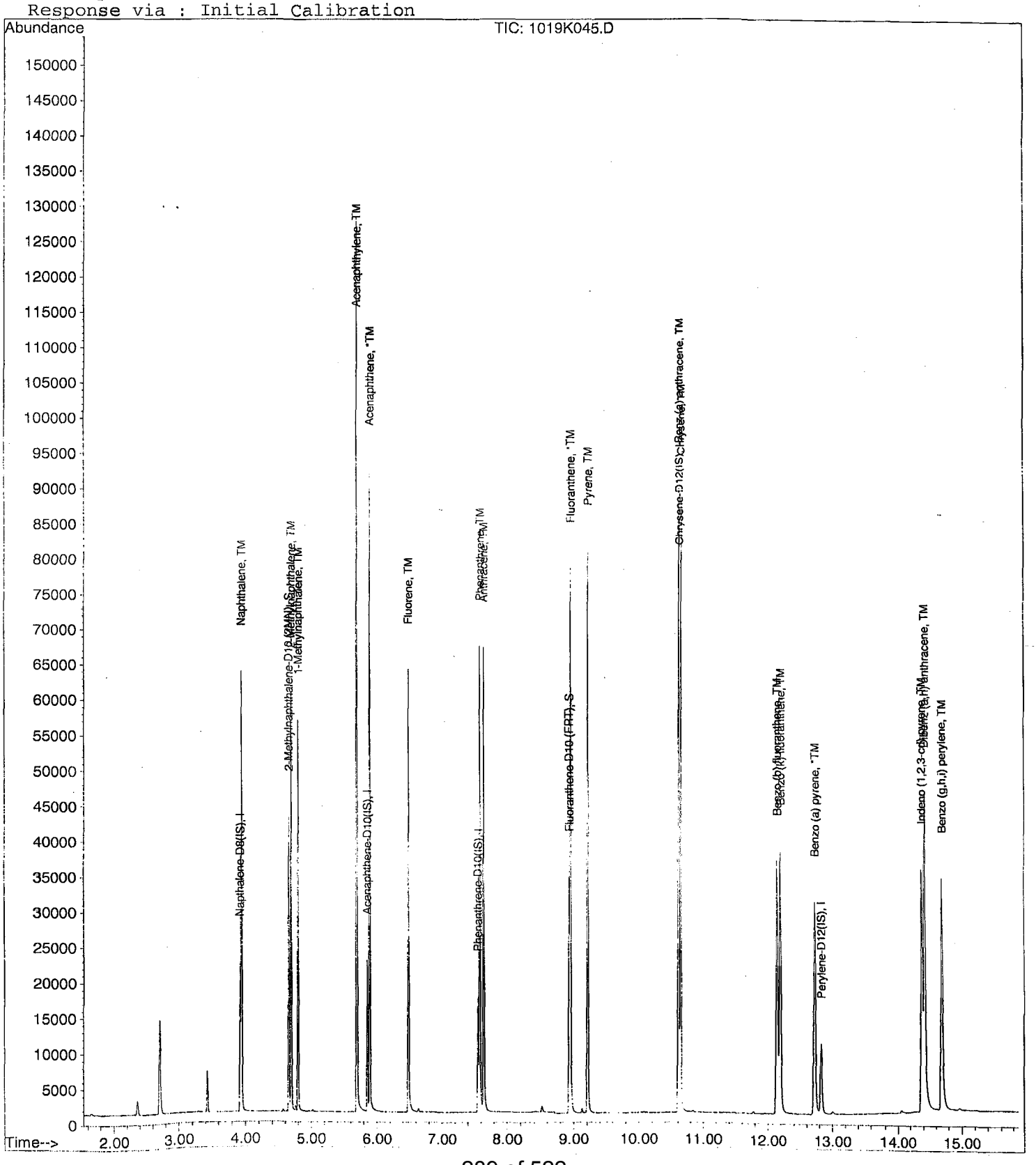
Quantitation Report

Data File : M:\KYLO\DATA\211019\1019K045.D
Acq On : 20 Oct 21 4:32
Sample : 5 ug/ml 10/10/21 (2)
Misc :

Vial: 45
Operator: LS
Inst : KYLO
Multiplr: 1.00

Quant Time: Oct 20 7:48 2021 Quant Results File: K1019.RES

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



ORGANICS
Raw Data

Quantitation Report (QT Reviewed)

Data File : M:\KYLO\DATA\211019\1019K029.D Vial: 29
Acq On : 19 Oct 21 23:14 Operator: LS
Sample : BA42228W08 1/1000 Inst : KYLO
Misc : Multiplr: 1.00

Quant Time: Oct 20 17:18 2021 Quant Results File: K1019.RES

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

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Napthalene-D8(IS)	3.92	136	13054	2.50 ppb	0.00
6) Acenaphthene-D10(IS)	5.86	164	6546	2.50 ppb	0.00
10) Phenanthrene-D10(IS)	7.56	188	10457	2.50 ppb	0.00
15) Chrysene-D12(IS)	10.62	240	11887	2.50 ppb	0.00
20) Perylene-D12(IS)	12.83	264	10698	2.50 ppb	0.00
System Monitoring Compounds					
3) 2-Methylnaphthalene-D10 (2	4.66	152	28908	4.34 ppb	0.00
Spiked Amount 5.000			Recovery =	86.740%	
13) Fluoranthene-D10 (FRT)	8.93	212	31886	3.91 ppb	0.00
Spiked Amount 5.000			Recovery =	78.240%	
Target Compounds					Qvalue

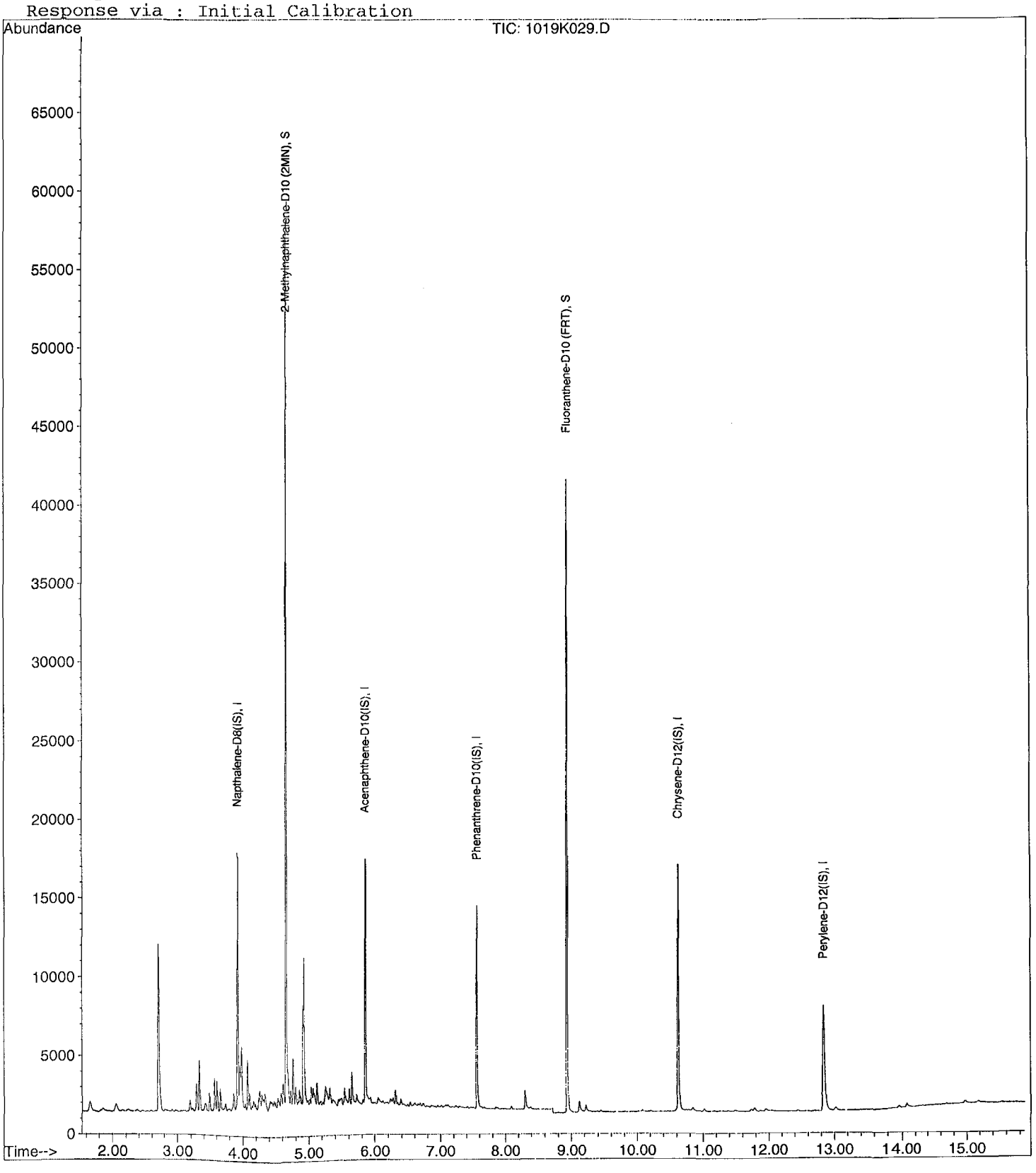
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\KYLO\DATA\211019\1019K029.D Vial: 29
Acq On : 19 Oct 21 23:14 Operator: LS
Sample : BA42228W08 1/1000 Inst : KYLO
Misc : Multiplr: 1.00

Quant Time: Oct 20 17:18 2021 Quant Results File: K1019.RES

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



Quantitation Report (QT Reviewed)

Data File : M:\KYLO\DATA\211019\1019K030.D Vial: 30
Acq On : 19 Oct 21 23:34 Operator: LS
Sample : BA42229W07 1/1000 Inst : KYLO
Misc : Multiplr: 1.00

Quant Time: Oct 27 7:58 2021 Quant Results File: K1019.RES

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Napthalene-D8(IS)	3.92	136	12971	2.50	ppb	0.00
6) Acenaphthene-D10(IS)	5.85	164	6672	2.50	ppb	0.00
10) Phenanthrene-D10(IS)	7.56	188	10638	2.50	ppb	0.00
15) Chrysene-D12(IS)	10.62	240	12154	2.50	ppb	0.00
20) Perylene-D12(IS)	12.83	264	11276	2.50	ppb	0.00
System Monitoring Compounds						
3) 2-Methylnaphthalene-D10 (2	4.66	152	29826	4.50	ppb	0.00
Spiked Amount 5.000			Recovery =	90.060%		
13) Fluoranthene-D10 (FRT)	8.93	212	21381	2.58	ppb	0.00
Spiked Amount 5.000			Recovery =	51.560%		
Target Compounds						Qvalue
2) Naphthalene	3.94	128	380296	56.44	ppb	99
4) 2-Methylnaphthalene	4.70	142	121186	30.69	ppb	98
5) 1-Methylnaphthalene	4.80	142	113552	28.49	ppb	99

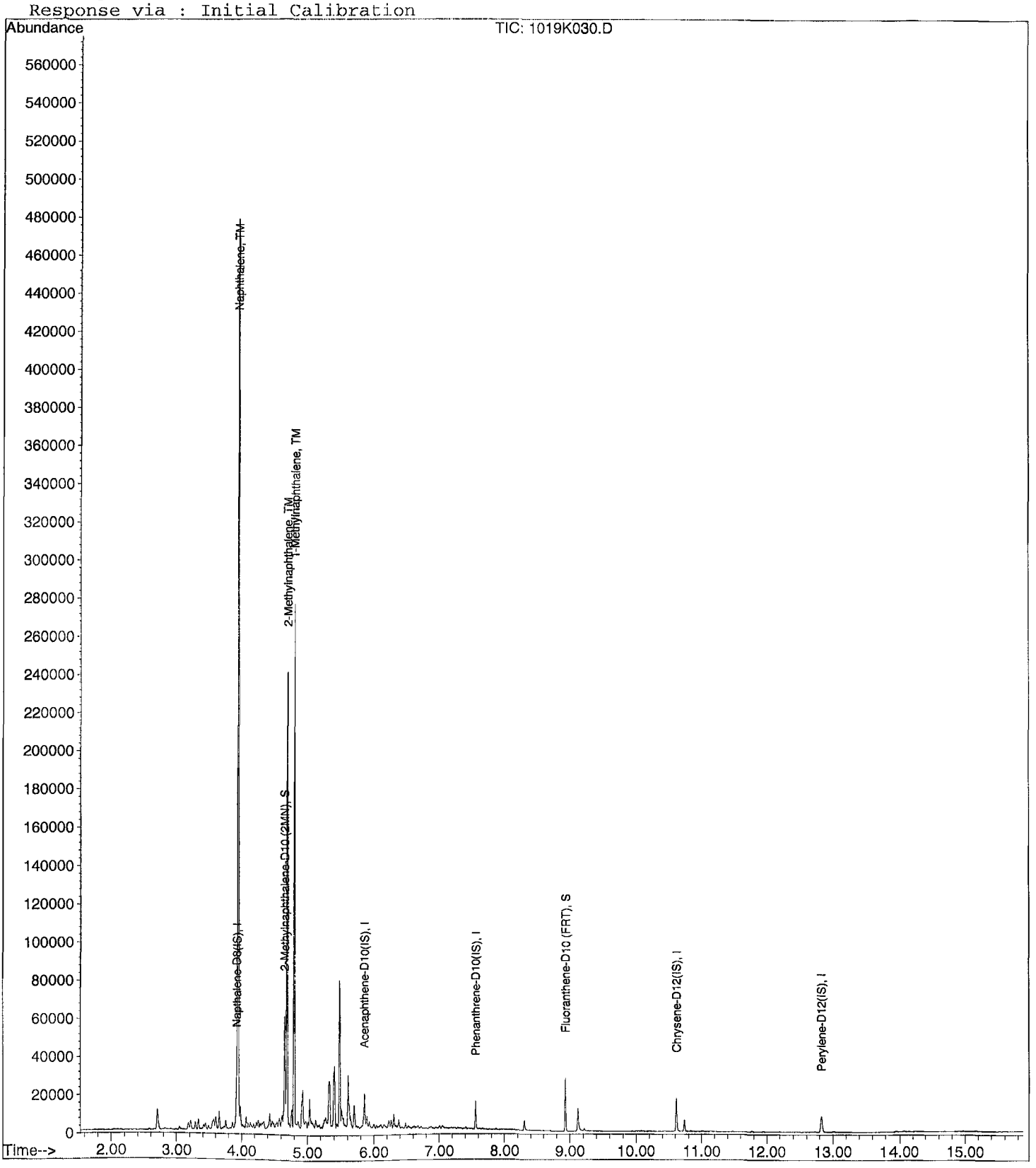
(#) = qualifier out of range (m) = manual integration

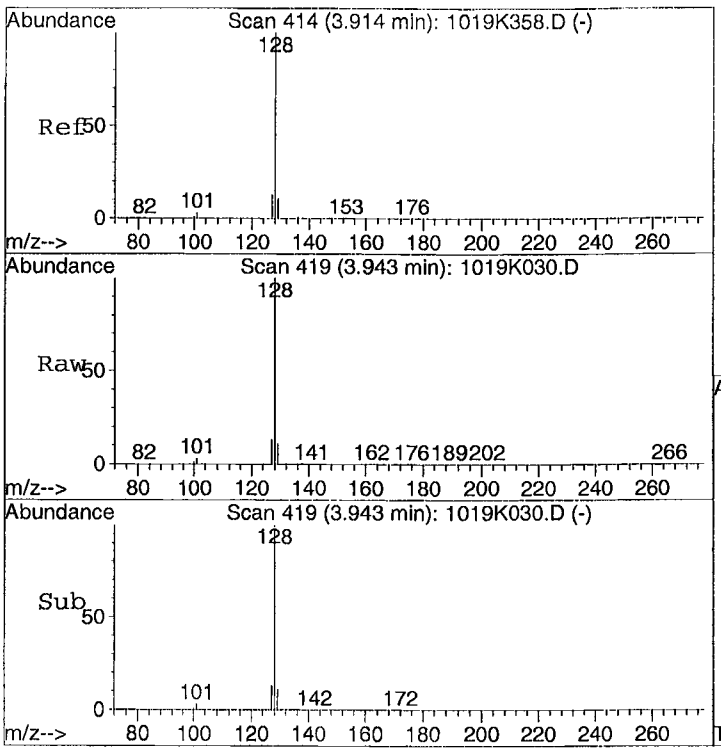
Data File : M:\KYLO\DATA\211019\1019K030.D
Acq On : 19 Oct 21 23:34
Sample : BA42229W07 1/1000
Misc :

Vial: 30
Operator: LS
Inst : KYLO
Multiplr: 1.00

Quant Time: Oct 27 7:58 2021 Quant Results File: K1019.RES

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

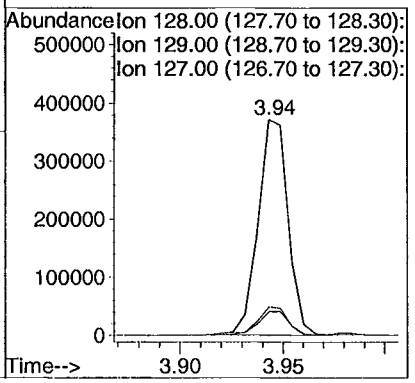


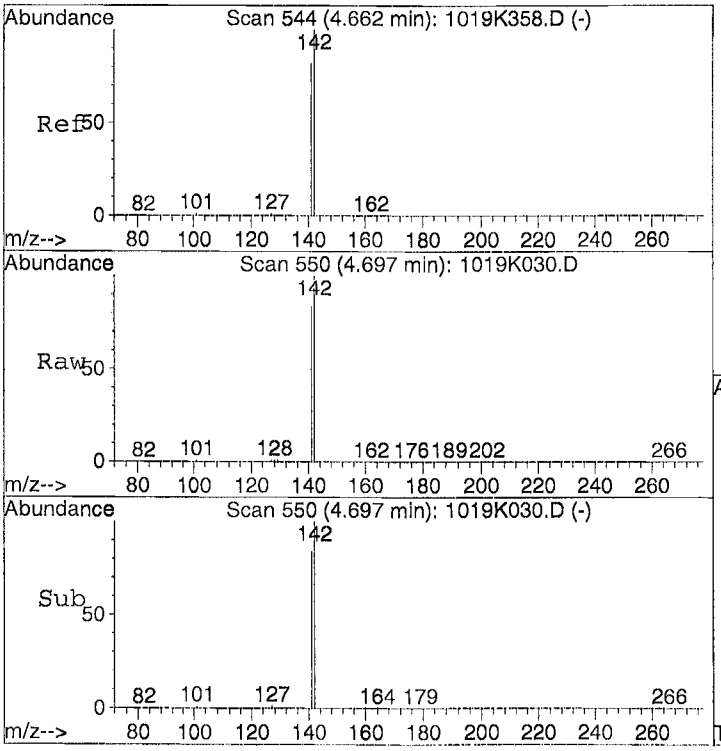


#2
Naphthalene
Concen: 56.44 ppb
RT: 3.94 min Scan# 419
Delta R.T. 0.00 min
Lab File: 1019K030.D
Acq: 19 Oct 21 23:34

Tgt Ion:128 Resp: 380296

Ion	Ratio	Lower	Upper
128	100		
129	10.8	7.5	13.9
127	13.2	9.0	16.8

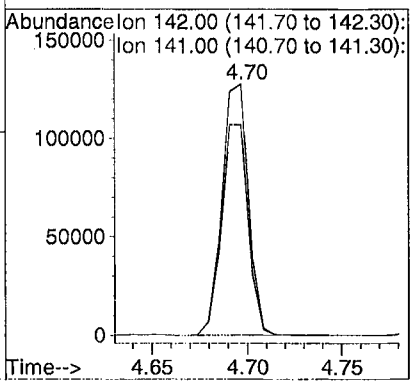


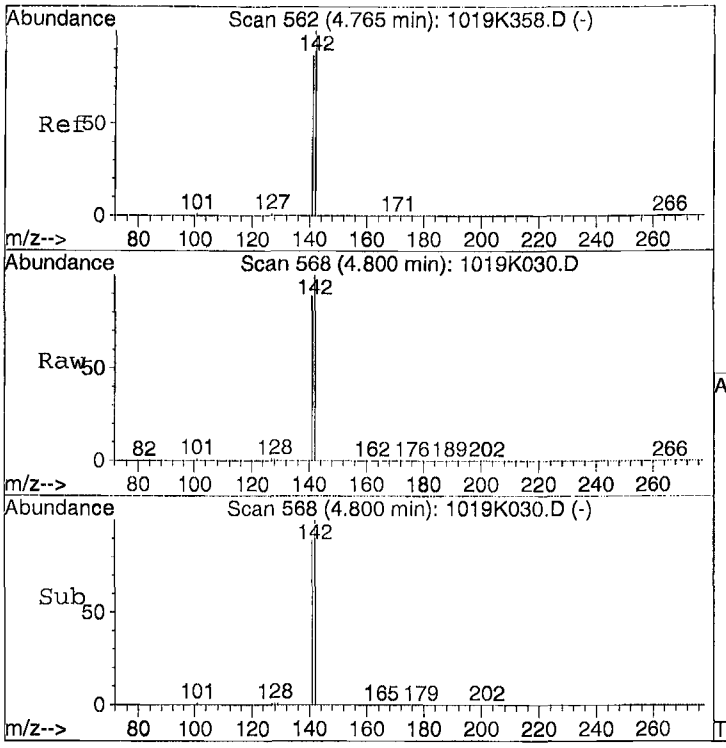


#4
2-Methylnaphthalene
Concen: 30.69 ppb
RT: 4.70 min Scan# 550
Delta R.T. 0.01 min
Lab File: 1019K030.D
Acq: 19 Oct 21 23:34

Tgt Ion:142 Resp: 121186

Ion	Ratio	Lower	Upper
142	100		
141	83.6	59.8	111.0

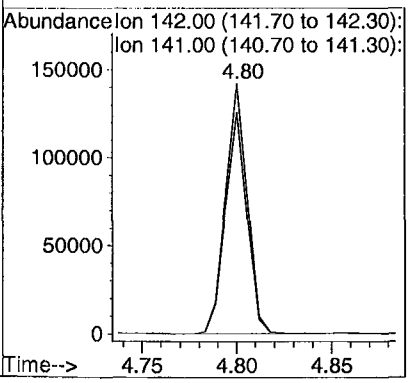




#5
1-Methylnaphthalene
Concen: 28.49 ppb
RT: 4.80 min Scan# 568
Delta R.T. 0.00 min
Lab File: 1019K030.D
Acq: 19 Oct 21 23:34

Tgt Ion:142 Resp: 113552

Ion	Ratio	Lower	Upper
142	100		
141	88.6	61.1	113.5



Quantitation Report (QT Reviewed)

Data File : M:\KYLO\DATA\211019\1019K031.D Vial: 31
Acq On : 19 Oct 21 23:54 Operator: LS
Sample : BA42230W08 1/1000 Inst : KYLO
Misc : Multiplr: 1.00

Quant Time: Oct 27 7:59 2021 Quant Results File: K1019.RES

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Napthalene-D8(IS)	3.92	136	13283	2.50	ppb	0.00
6) Acenaphthene-D10(IS)	5.86	164	6707	2.50	ppb	0.00
10) Phenanthrene-D10(IS)	7.56	188	10745	2.50	ppb	0.00
15) Chrysene-D12(IS)	10.62	240	12472	2.50	ppb	0.00
20) Perylene-D12(IS)	12.83	264	11523	2.50	ppb	0.00
System Monitoring Compounds						
3) 2-Methylnaphthalene-D10 (2	4.66	152	29450	4.34	ppb	0.00
Spiked Amount 5.000			Recovery =	86.840%		
13) Fluoranthene-D10 (FRT)	8.93	212	21932	2.62	ppb	0.00
Spiked Amount 5.000			Recovery =	52.360%		

Target Compounds Qvalue

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

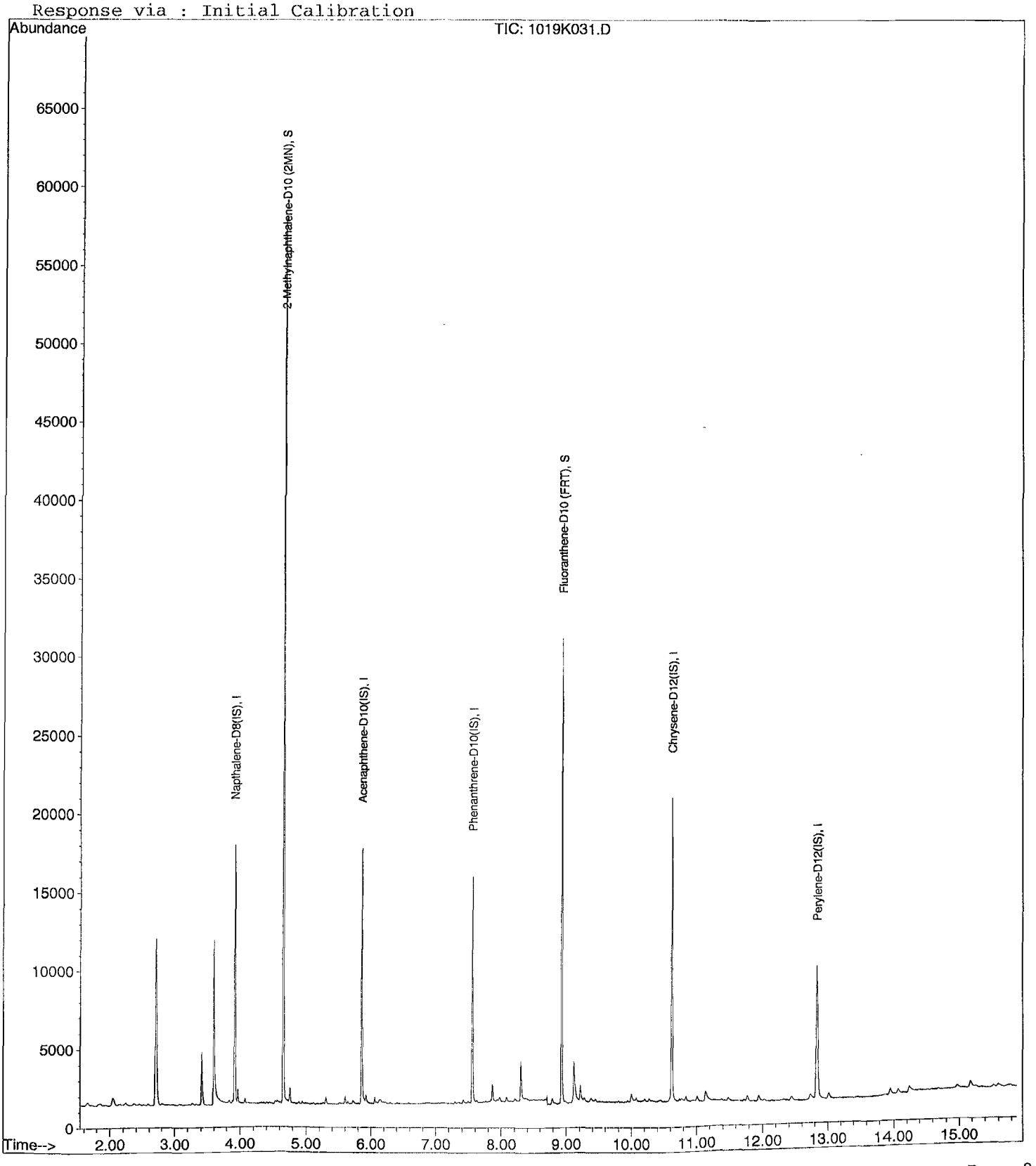
Quantitation Report

Data File : M:\KYLO\DATA\211019\1019K031.D
Acq On : 19 Oct 21 23:54
Sample : BA42230W08 1/1000
Misc :

Vial: 31
Operator: LS
Inst : KYLO
Multiplr: 1.00

Quant Time: Oct 27 7:59 2021 Quant Results File: K1019.RES

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



Quantitation Report (QT Reviewed)

Data File : M:\KYLO\DATA\211019\1019K032.D Vial: 32
Acq On : 20 Oct 21 00:14 Operator: LS
Sample : BA42231W08 1/950 Inst : KYLO
Misc : Multiplr: 1.05

Quant Time: Oct 20 17:20 2021 Quant Results File: K1019.RES

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Napthalene-D8(IS)	3.92	136	13131	2.50	ppb	0.00
6) Acenaphthene-D10(IS)	5.85	164	6665	2.50	ppb	0.00
10) Phenanthrene-D10(IS)	7.56	188	10501	2.50	ppb	0.00
15) Chrysene-D12(IS)	10.62	240	12345	2.50	ppb	0.00
20) Perylene-D12(IS)	12.83	264	10915	2.50	ppb	0.00
System Monitoring Compounds						
3) 2-Methylnaphthalene-D10 (2	4.66	152	28236	4.43	ppb	0.00
Spiked Amount 5.263			Recovery = 84.227%			
13) Fluoranthene-D10 (FRT)	8.93	212	28797	3.70	ppb	0.00
Spiked Amount 5.263			Recovery = 70.357%			

Target Compounds	Qvalue

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

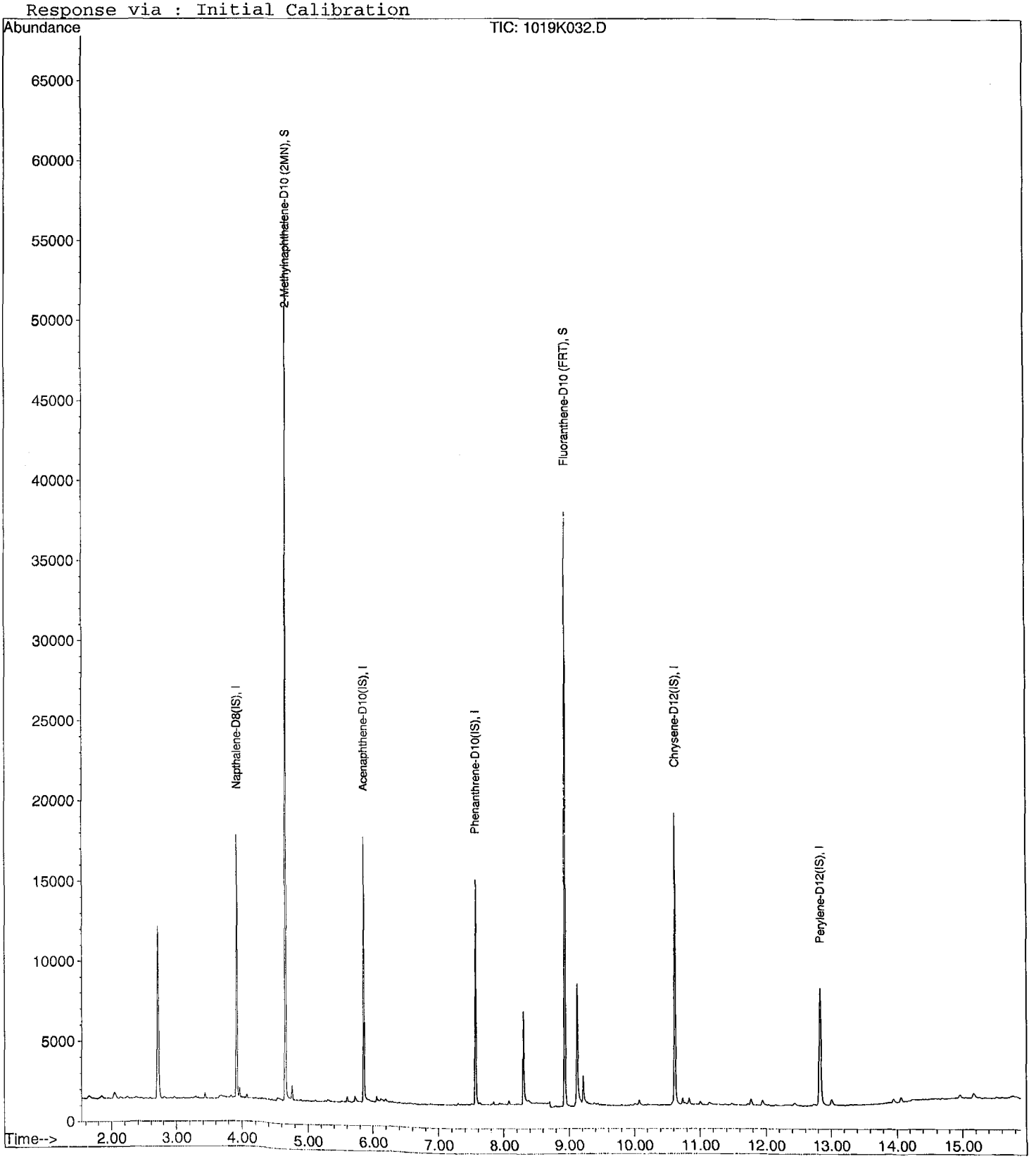
Quantitation Report

Data File : M:\KYLO\DATA\211019\1019K032.D
Acq On : 20 Oct 21 00:14
Sample : BA42231W08 1/950
Misc :

Vial: 32
Operator: LS
Inst : KYLO
Multiplr: 1.05

Quant Time: Oct 20 17:20 2021 Quant Results File: K1019.RES

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



Quantitation Report (QT Reviewed)

Data File : M:\KYLO\DATA\211019\1019K021.D Vial: 21
Acq On : 19 Oct 21 20:35 Operator: LS
Sample : 211006A BLK 1/1000 Inst : KYLO
Misc : Multiplr: 1.00

Quant Time: Oct 20 7:56 2021 Quant Results File: K1019.RES

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

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Napthalene-D8(IS)	3.92	136	12209	2.50 ppb	0.00
6) Acenaphthene-D10(IS)	5.86	164	6036	2.50 ppb	0.00
10) Phenanthrene-D10(IS)	7.56	188	9660	2.50 ppb	0.00
15) Chrysene-D12(IS)	10.62	240	11171	2.50 ppb	0.00
20) Perylene-D12(IS)	12.84	264	10169	2.50 ppb	0.00
System Monitoring Compounds					
3) 2-Methylnaphthalene-D10 (2	4.66	152	25735	4.13 ppb	0.00
Spiked Amount 5.000			Recovery =	82.560%	
13) Fluoranthene-D10 (FRT)	8.93	212	30369	4.03 ppb	0.00
Spiked Amount 5.000			Recovery =	80.660%	
Target Compounds					Qvalue

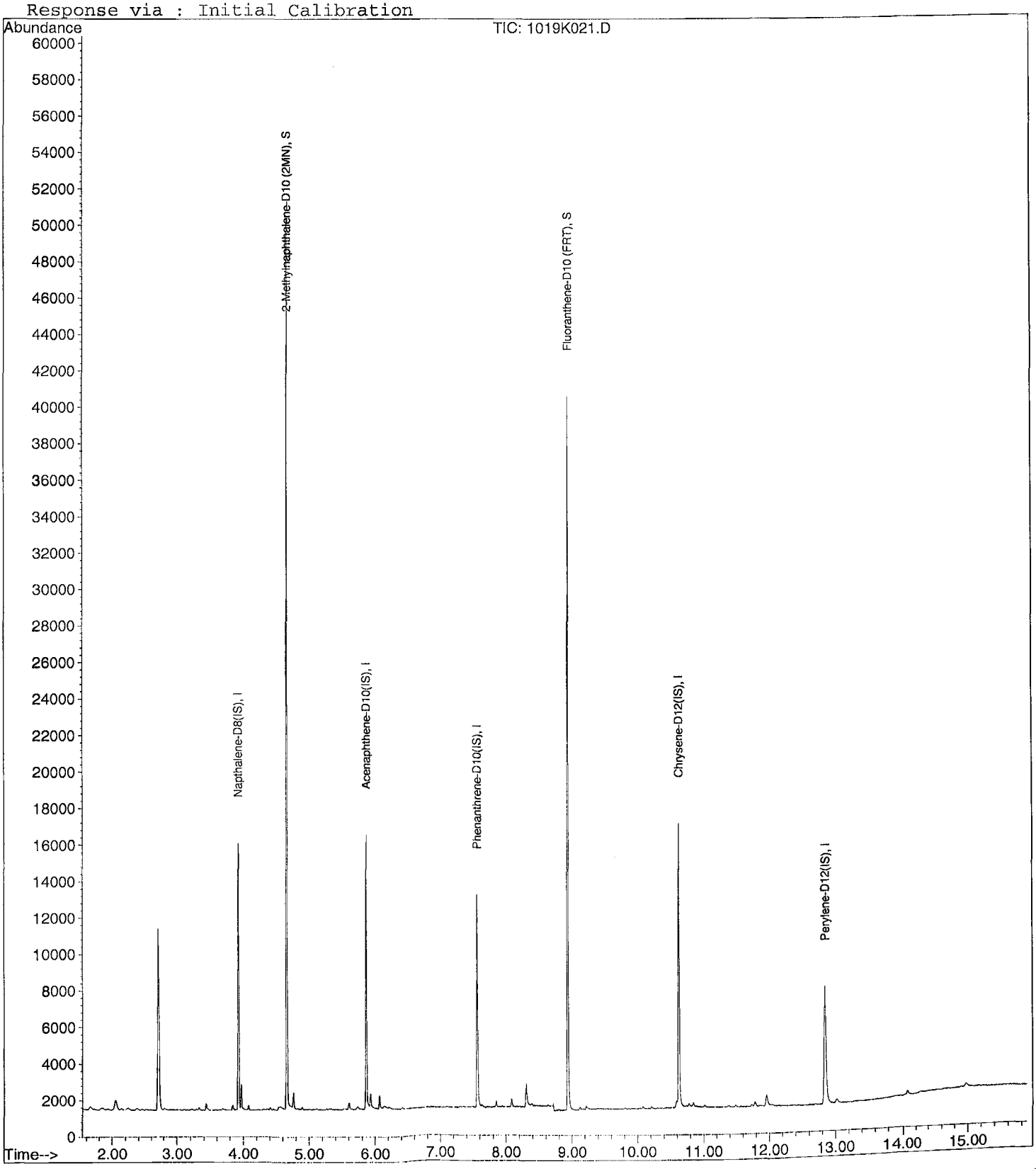
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\KYLO\DATA\211019\1019K021.D Vial: 21
Acq On : 19 Oct 21 20:35 Operator: LS
Sample : 211006A BLK 1/1000 Inst : KYLO
Misc : Multiplr: 1.00

Quant Time: Oct 20 7:56 2021 Quant Results File: K1019.RES

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



Quantitation Report (QT Reviewed)

Data File : M:\KYLO\DATA\211019\1019K022.D Vial: 22
Acq On : 19 Oct 21 20:55 Operator: LS
Sample : 211006A LCS-1 1/1000 Inst : KYLO
Misc : Multiplr: 1.00

Quant Time: Oct 20 6:53 2021 Quant Results File: K1019.RES

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Napthalene-D8(IS)	3.92	136	12518	2.50	ppb	0.00
6) Acenaphthene-D10(IS)	5.85	164	6145	2.50	ppb	0.00
10) Phenanthrene-D10(IS)	7.56	188	9847	2.50	ppb	0.00
15) Chrysene-D12(IS)	10.62	240	11566	2.50	ppb	0.00
20) Perylene-D12(IS)	12.83	264	10531	2.50	ppb	0.00
System Monitoring Compounds						
3) 2-Methylnaphthalene-D10 (2	4.66	152	24812	3.88	ppb	0.00
Spiked Amount 5.000			Recovery = 77.620%			
13) Fluoranthene-D10 (FRT)	8.93	212	30176	3.93	ppb	0.00
Spiked Amount 5.000			Recovery = 78.620%			
Target Compounds						Qvalue
2) Naphthalene	3.94	128	22975	3.53	ppb	100
4) 2-Methylnaphthalene	4.69	142	13712	3.60	ppb	99
5) 1-Methylnaphthalene	4.80	142	13632	3.54	ppb	99
7) Acenaphthylene	5.69	152	46670	3.67	ppb	100
8) Acenaphthene	5.89	154	11994	3.56	ppb	100
9) Fluorene	6.49	166	14532	3.72	ppb	99
11) Phenanthrene	7.59	178	19399	3.58	ppb	99
12) Anthracene	7.64	178	17872	3.49	ppb	99
14) Fluoranthene	8.95	202	31583	3.75	ppb	97
16) Pyrene	9.21	202	32142	3.63	ppb	97
17) Benz (a) anthracene	10.61	228	24333	3.75	ppb	100
18) Chrysene	10.65	228	25257	3.50	ppb	99
19) Indeno (1,2,3-cd) pyrene	14.38	276	18031	3.52	ppb	94
21) Benzo (b) fluoranthene	12.14	252	22239	3.75	ppb	99
22) Benzo (k) fluoranthene	12.19	252	24467	3.61	ppb	99
23) Benzo (a) pyrene	12.73	252	20763	3.68	ppb	99
24) Dibenz (a,h) anthracene	14.42	278	20191	3.61	ppb	96
25) Benzo (g,h,i) perylene	14.69	276	21206	3.49	ppb	99

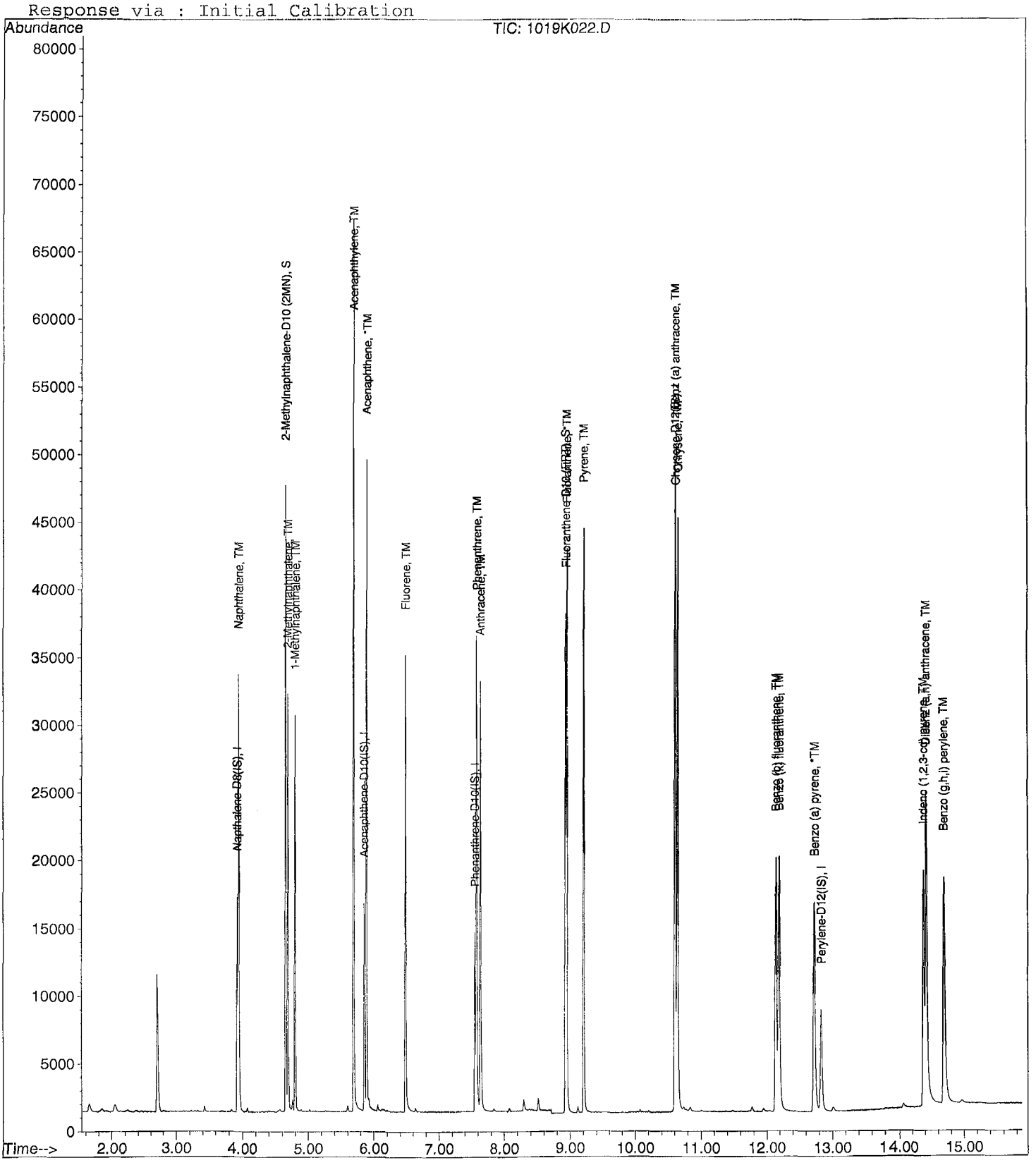
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\KYLO\DATA\211019\1019K022.D Vial: 22
Acq On : 19 Oct 21 20:55 Operator: LS
Sample : 211006A LCS-1 1/1000 Inst : KYLO
Misc : Multiplr: 1.00

Quant Time: Oct 20 6:53 2021 Quant Results File: K1019.RES

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



Quantitation Report (QT Reviewed)

Data File : M:\KYLO\DATA\211019\1019K023.D Vial: 23
Acq On : 19 Oct 21 21:15 Operator: LS
Sample : 211006A LCSD-1 1/1000 Inst : KYLO
Misc : Multiplr: 1.00

Quant Time: Oct 20 6:53 2021 Quant Results File: K1019.RES

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

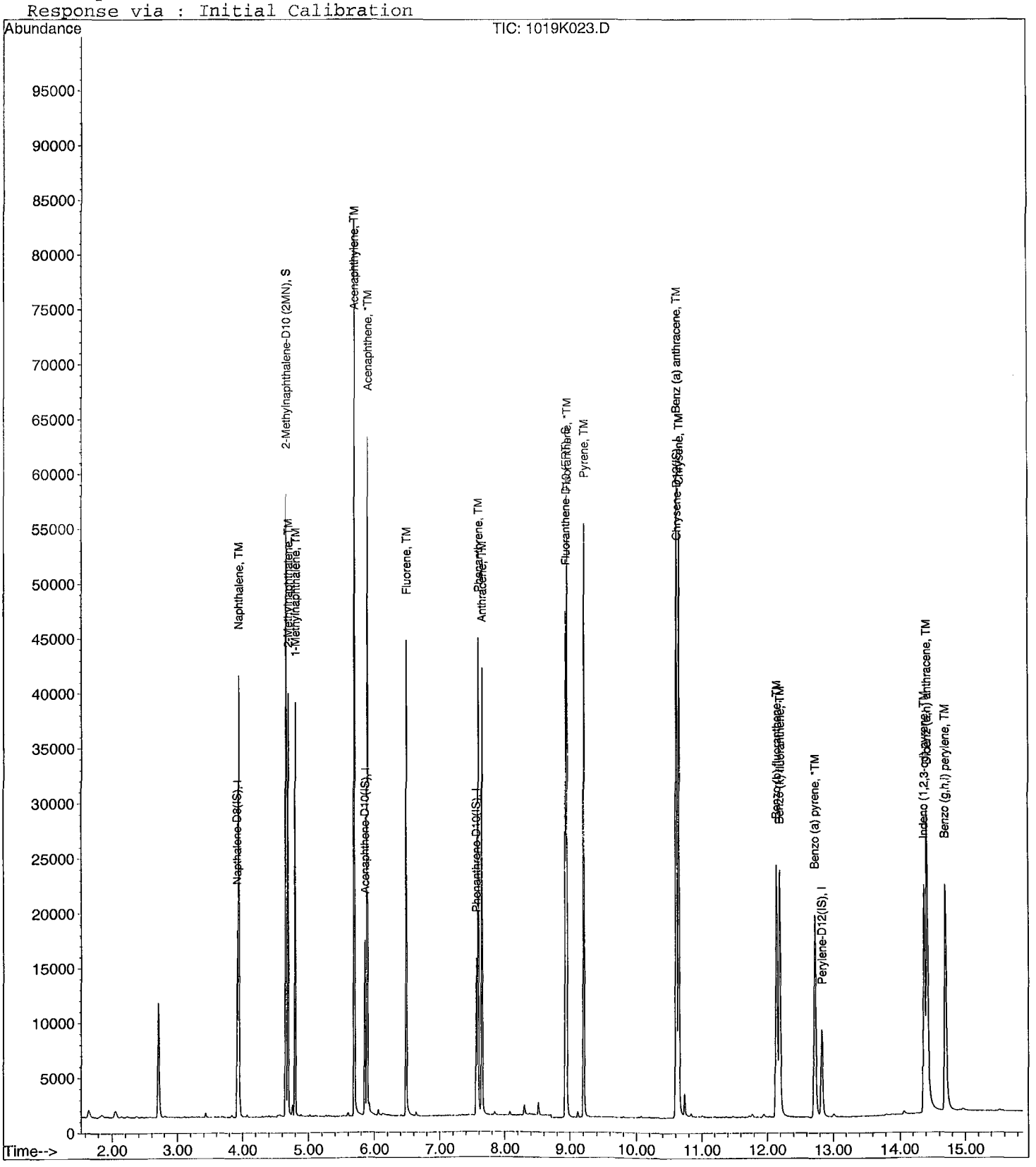
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Napthalene-D8(IS)	3.92	136	13163	2.50	ppb	0.00
6) Acenaphthene-D10(IS)	5.86	164	6561	2.50	ppb	0.00
10) Phenanthrene-D10(IS)	7.56	188	10487	2.50	ppb	0.00
15) Chrysene-D12(IS)	10.62	240	12328	2.50	ppb	0.00
20) Perylene-D12(IS)	12.83	264	11224	2.50	ppb	0.00
System Monitoring Compounds						
3) 2-Methylnaphthalene-D10 (2	4.66	152	30247	4.50	ppb	0.00
Spiked Amount 5.000			Recovery =	90.000%		
13) Fluoranthene-D10 (FRT)	8.93	212	35703	4.37	ppb	0.00
Spiked Amount 5.000			Recovery =	87.340%		
Target Compounds						Qvalue
2) Naphthalene	3.94	128	28150	4.12	ppb	99
4) 2-Methylnaphthalene	4.69	142	16813	4.20	ppb	99
5) 1-Methylnaphthalene	4.80	142	16656	4.12	ppb	100
7) Acenaphthylene	5.69	152	56929	4.19	ppb	99
8) Acenaphthene	5.89	154	14678	4.08	ppb	100
9) Fluorene	6.49	166	17566	4.21	ppb	98
11) Phenanthrene	7.59	178	23264	4.03	ppb	99
12) Anthracene	7.64	178	21627	3.97	ppb	100
14) Fluoranthene	8.95	202	37688	4.20	ppb	98
16) Pyrene	9.21	202	38513	4.08	ppb	97
17) Benz (a) anthracene	10.61	228	29233	4.23	ppb	99
18) Chrysene	10.65	228	30154	3.93	ppb	99
19) Indeno (1,2,3-cd) pyrene	14.38	276	21497	3.92	ppb	92
21) Benzo (b) fluoranthene	12.14	252	26523	4.20	ppb	98
22) Benzo (k) fluoranthene	12.19	252	29199	4.04	ppb	99
23) Benzo (a) pyrene	12.72	252	25041	4.16	ppb	99
24) Dibenz (a,h) anthracene	14.42	278	24069	4.04	ppb	96
25) Benzo (g,h,i) perylene	14.69	276	25300	3.91	ppb	97

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

Data File : M:\KYLO\DATA\211019\1019K023.D Vial: 23
Acq On : 19 Oct 21 21:15 Operator: LS
Sample : 211006A LCSD-1 1/1000 Inst : KYLO
Misc : Multiplr: 1.00

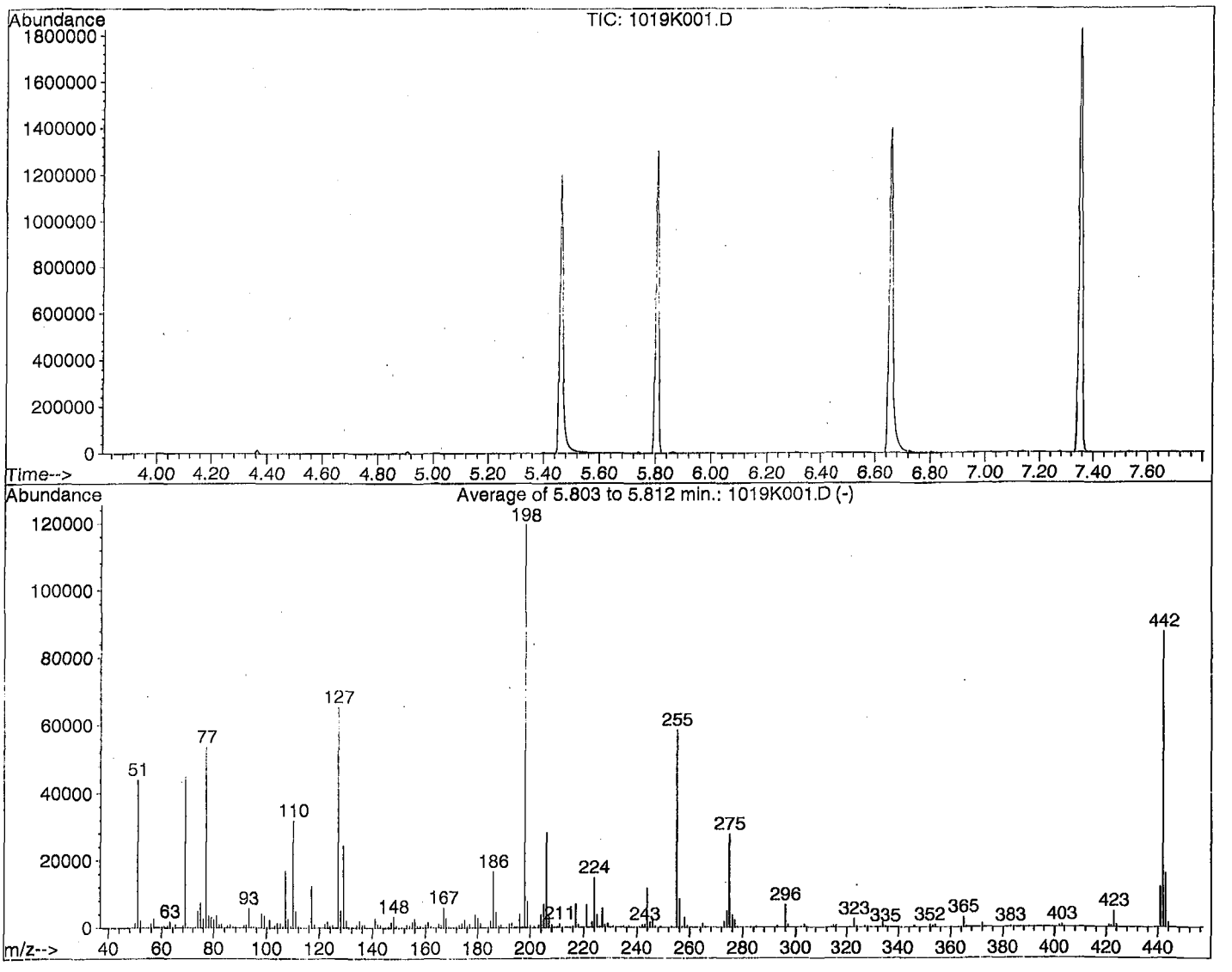
Quant Time: Oct 20 6:53 2021 Quant Results File: K1019.RES

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



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

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



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

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

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

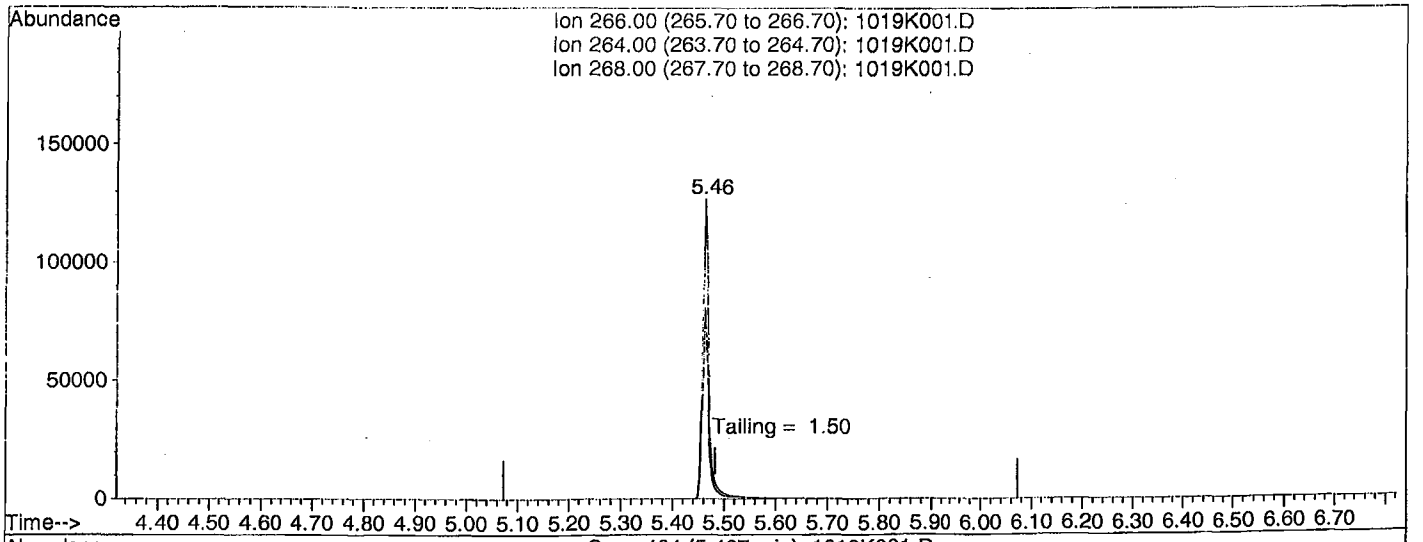
#	Name	Ret Time	Target Response
1)	DDT	7.36	16763500
2)	DDD	7.13	0
3)	DDE	6.80	0

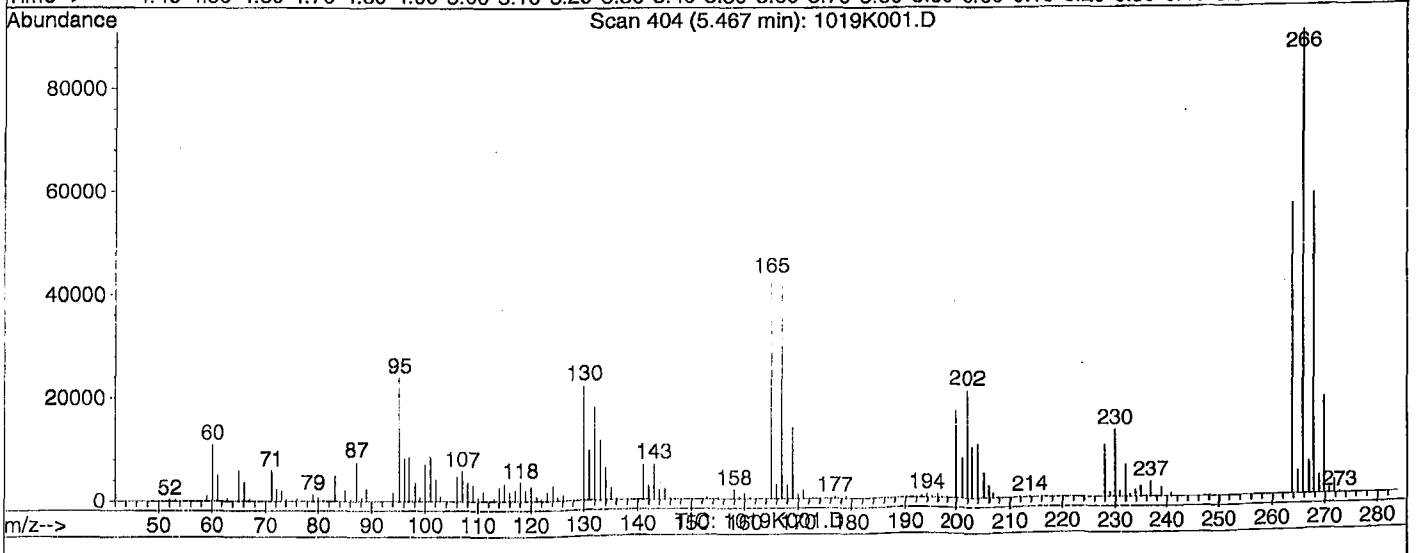
Breakdown **0.00**

Quantitation Report

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

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





(5) Pentachlorophenol

5.47min 0.0000

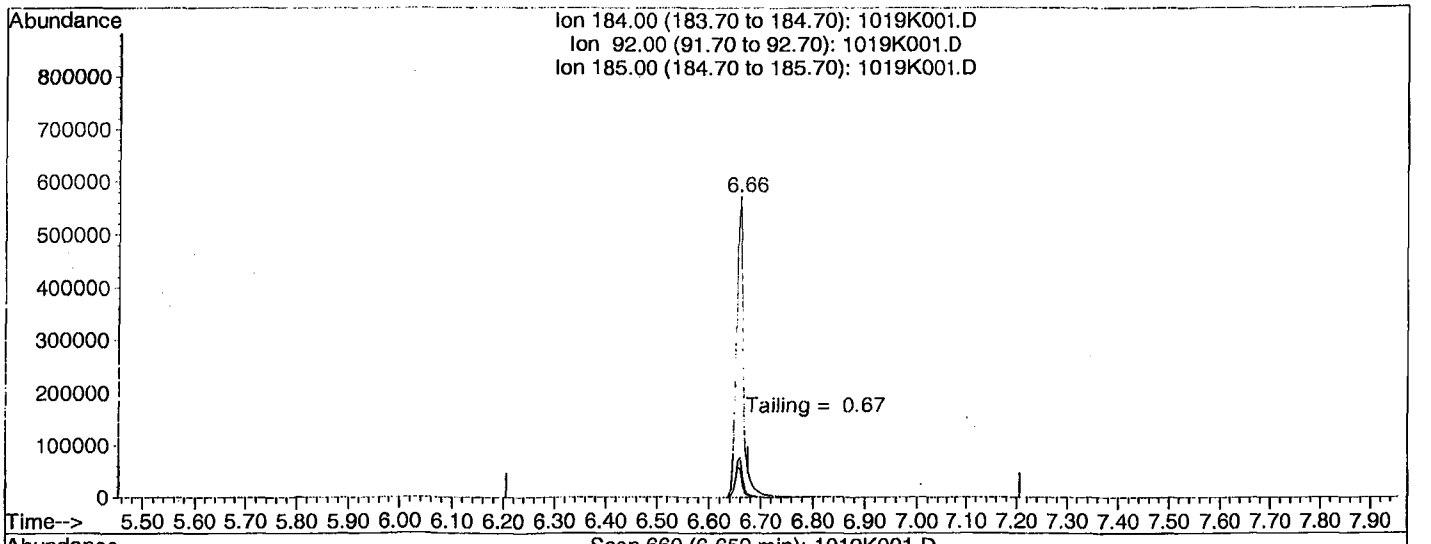
response 1053940

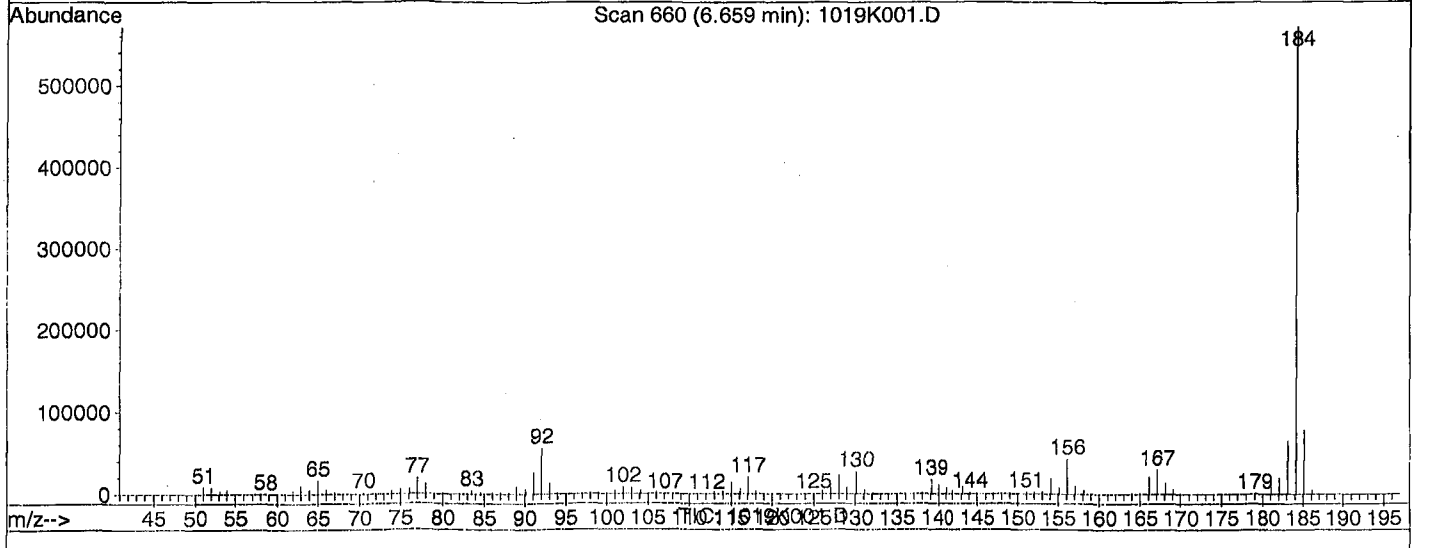
Ion	Exp%	Act%
266.00	100	100
264.00	62.30	62.20
268.00	62.40	62.61
0.00	0.00	0.00

Quantitation Report

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

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





(6) Benzidine

6.66min 0.0000

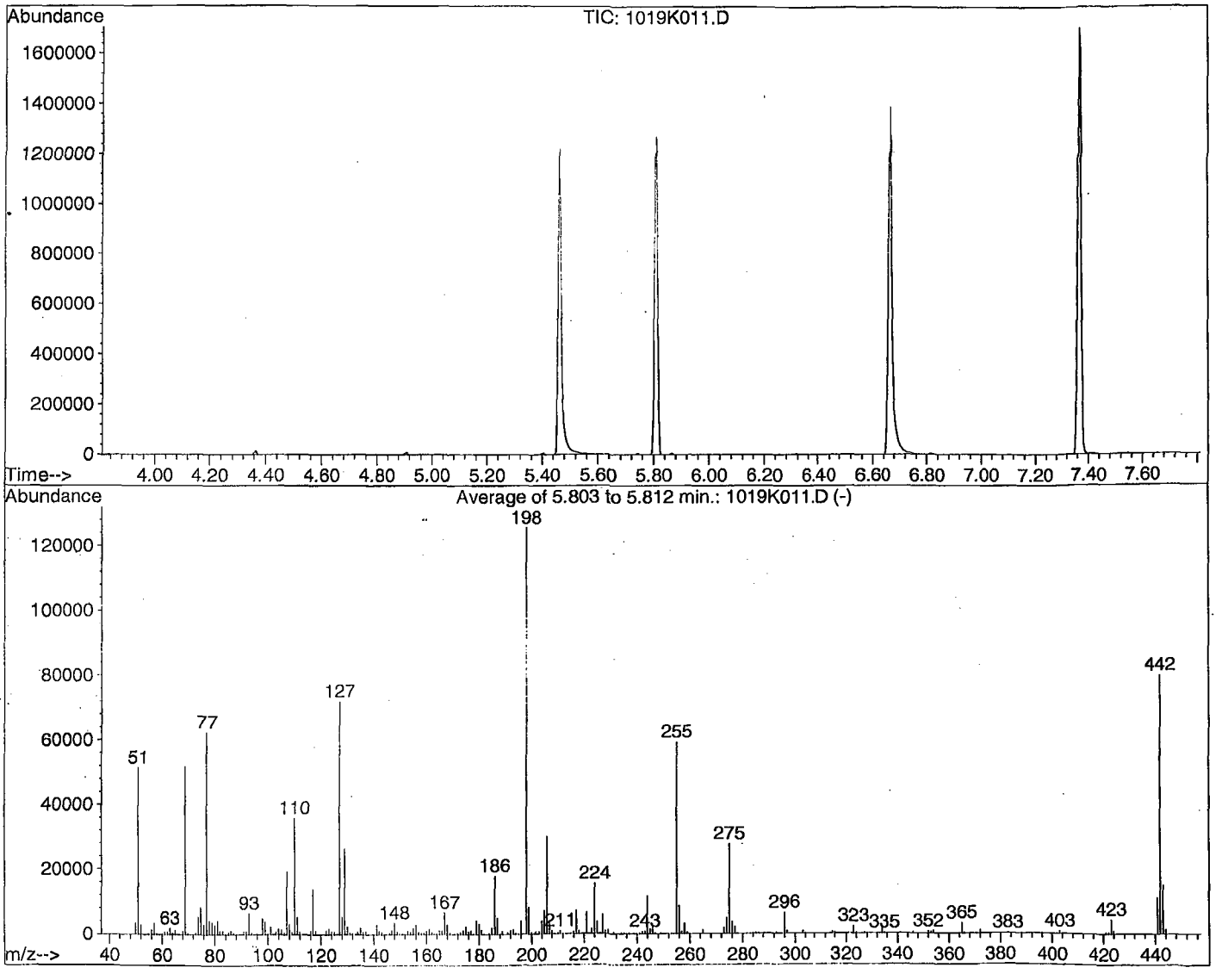
response 5630975

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

Data File : M:\KYLO\DATA\211019\1019K011.D
Acq On : 19 Oct 21 17:23
Sample : SV TUNE 7/2/21
Misc :

Vial: 11
Operator: LS
Inst : KYLO
Multiplr: 1.00

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



AutoFind: Scans 476, 477, 478; Background Corrected with Scan 471

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	41.0	51579	PASS
68	69	0.00	2	2.0	1028	PASS
70	69	0.00	2	0.5	273	PASS
127	198	10	80	57.3	72072	PASS
197	198	0.00	2	0.1	166	PASS
198	198	100	100	100.0	125677	PASS
199	198	5	9	6.7	8397	PASS
275	198	10	60	22.1	27753	PASS
365	198	1	100	2.6	3242	PASS
441	442	0.01	24	13.9	11105	PASS
442	198	50	500	63.6	79888	PASS
443	442	15	24	18.8	14985	PASS

Data File Name:	**1019K011.D**
Data File Path:	**M:\KYLO\DATA\211019**
Operator:	**LS**
Date Acquired:	**19 Oct 2021 17:23**
Method File:	**DFTPP2.M**
Sample Name:	**SV TUNE 7/2/21**
Vial Number:	**11**
Instrument Name:	**KYLO**

#	Name	Ret Time	Target Response
1)	DDT	7.36	15607100
2)	DDD	7.13	0
3)	DDE	6.80	0

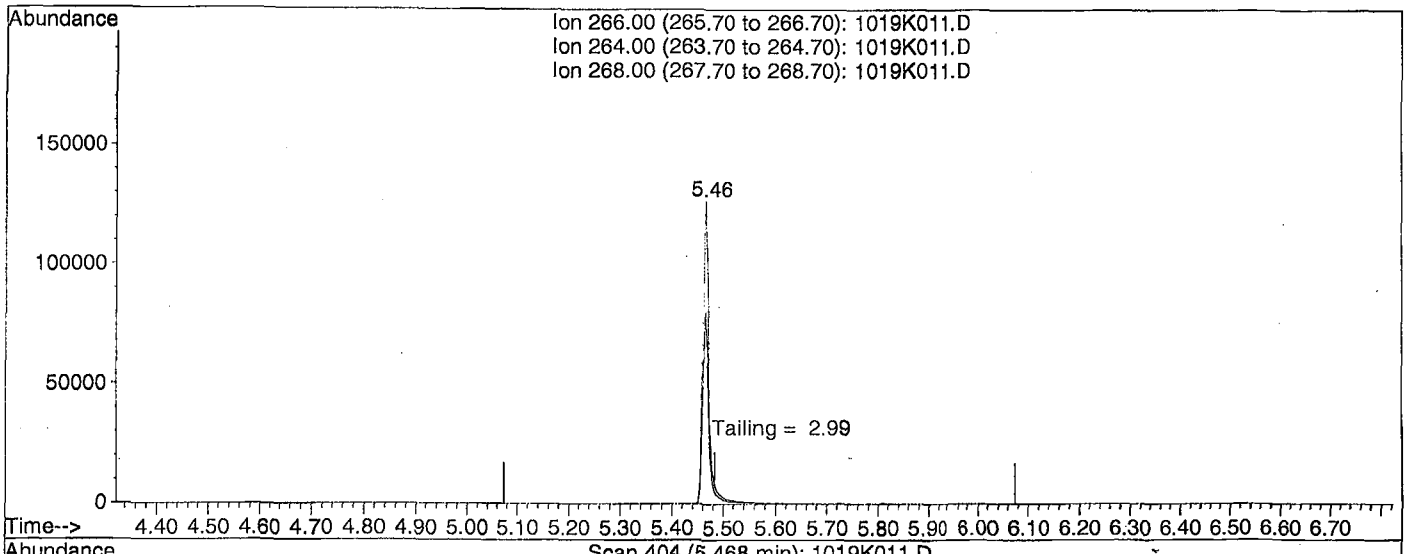
Breakdown **0.00**

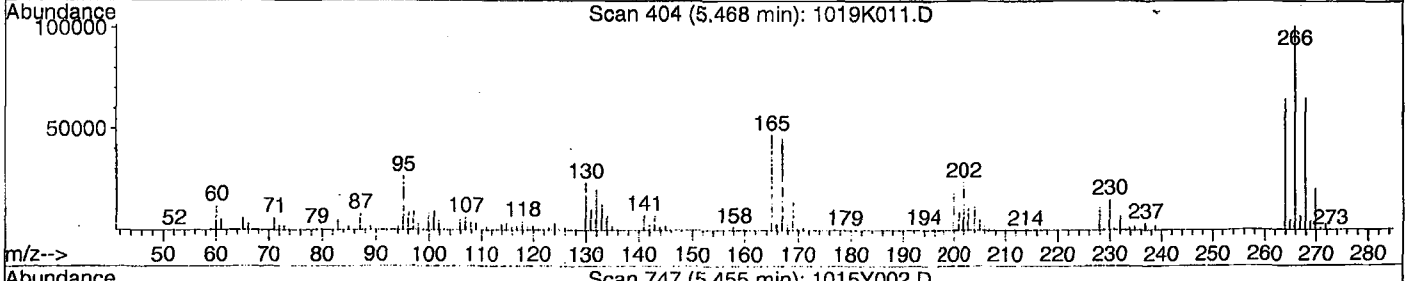
Quantitation Report

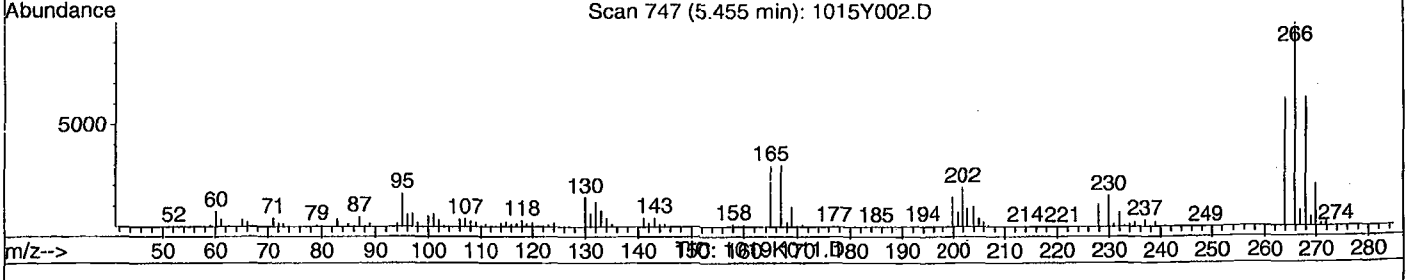
Data File : M:\KYLO\DATA\211019\1019K011.D
Acq On : 19 Oct 21 17:23
Sample : SV TUNE 7/2/21
Misc :
Quant Time: Oct 19 17:47 2021

Vial: 11
Operator: LS
Inst : KYLO
Multiplr: 1.00
Quant Results File: temp.res

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







(5) Pentachlorophenol

5.47min 0.0000

response 1058804

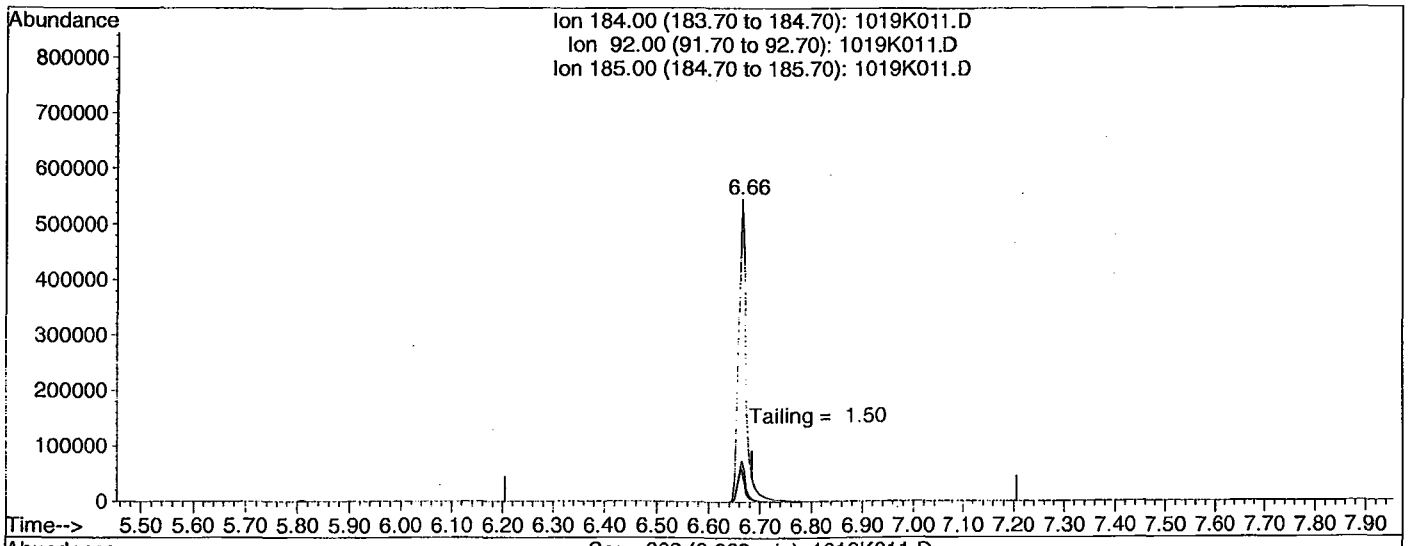
Ion	Exp%	Act%
266.00	100	100
264.00	62.30	63.44
268.00	62.40	63.21
0.00	0.00	0.00

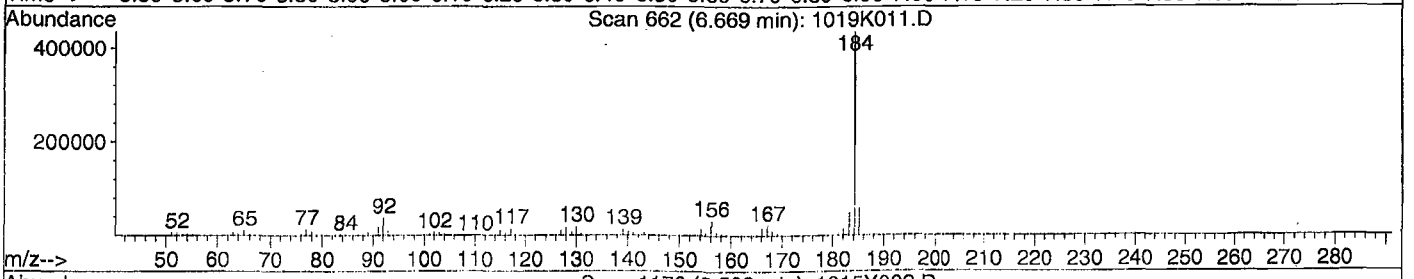
1019K011.D DFTPP2.M Tue Oct 19 17:47:48 2021

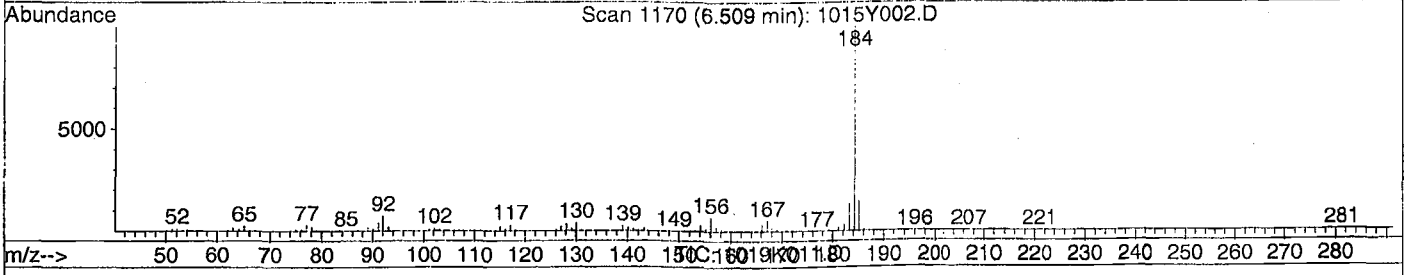
Quantitation Report

Data File : M:\KYLO\DATA\211019\1019K011.D Vial: 11
Acq On : 19 Oct 21 17:23 Operator: LS
Sample : SV TUNE 7/2/21 Inst : KYLO
Misc : Multiplr: 1.00
Quant Time: Oct 19 17:47 2021 Quant Results File: temp.res

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







(6) Benzidine

6.67min 0.0000

response 5617120

Ion	Exp%	Act%
184.00	100	100
92.00	9.50	10.54
185.00	13.20	13.60
0.00	0.00	0.00

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

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

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

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

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

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

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

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

lame of Final Standard PAH SIM Stock (Ampule) Prep'd By (Initials) LS

'rep Date 6/17/2021

:xp Date 6/17/2022

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

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

Prep Date 6/17/2021

Exp Date 6/17/2022

Initial Standard Information						Final Standard Information			
Name of Initial Standard (from contianer Label)	Supplier	Supplier P/N# (or APPL Mix Name)	Conc.(range)	Lot # with QA # (or reference to APPL prep date)	Exp Date	Aliquot from Stock	Final Volume	Final Solvent + Lot# (or APPL Prep Date)	Final Standard Conc (range)
Sim Surrogate Deuterated	Restek	33913	2000 ug/mL	**A0161454-50793**	**5/31/2026**	1 mL	20 mL	**Acetone #0246130**	100 ug/mL

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

Prep Date 6/17/2021

Exp Date 6/17/2022

Initial Standard Information						Final Standard Information			
Name of Initial Standard (from contianer Label)	Supplier	Supplier P/N# (or APPL Mix Name)	Conc.(range)	Lot # with QA # (or reference to APPL prep date)	Exp Date	Aliquot from Stock	Final Volume	Final Solvent + Lot# (or APPL Prep Date)	Final Standard Conc (range)
SV Internal Standard	Restek	31206	2000 ug/mL	**A0162879-50593**	**6/30/2026**	625uL	10mL	**MC 60338**	125 ug/mL

Name of Final Standard **SIM SS Stock (Ampule second source)** Prep'd By LS

Prep Date 6/17/2021

Exp Date 6/17/2022

Initial Standard Information						Final Standard Information			
Name of Initial Standard (from contianer Label)	Supplier	Supplier P/N# (or APPL Mix Name)	Conc.(range)	Lot # with QA # (or reference to APPL prep date)	Exp Date	Aliquot from Stock	Final Volume	Final Solvent + Lot# (or APPL Prep Date)	Final Standard Conc (range)
Custom PAH SIM Mix	Phenova	ALO-130490	200 ug/mL	**CL13117-51757**	**12/31/2022**	1000 uL	1mL	**NA**	200 ug/mL

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

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

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

Initial Standard Information						Final Standard Information			
Name of Initial Standard (from contianer Label)	Supplier	Supplier P/N# (or APPL Mix Name)	Conc.(range)	Lot # with QA # (or reference to APPL prep date)	Exp Date	Aliquot from Stock	Final Volume	Final Solvent + Lot# (or APPL Prep Date)	Final Standard Conc (range)
Sim Surrogate Deuterated	Restek	33913	2000 ug/mL	**A0161454-50793**	**5/31/2026**	1 mL	20 mL	**Acetone #0246130**	100 ug/mL

Name of Final Standard	**8270 SIM PAH Internal Standard**	**Prep'd By (Initials)**	**LS**
Prep Date	**6/17/2021**		
Exp Date	**6/17/2022**		

Initial Standard Information						Final Standard Information			
Name of Initial Standard (from contianer Label)	Supplier	Supplier P/N# (or APPL Mix Name)	Conc.(range)	Lot # with QA # (or reference to APPL prep date)	Exp Date	Aliquot from Stock	Final Volume	Final Solvent + Lot# (or APPL Prep Date)	Final Standard Conc (range)
SV Internal Standard	Restek	31206	2000 ug/mL	**A0162879-50593**	**6/30/2026**	625uL	10mL	**MC 60338**	125 ug/mL

Name of Final Standard	**SIM SS Stock (Ampule second source)**	**Prep'd By**	**LS**
Prep Date	**6/17/2021**		
Exp Date	**6/17/2022**		

Initial Standard Information						Final Standard Information			
Name of Initial Standard (from contianer Label)	Supplier	Supplier P/N# (or APPL Mix Name)	Conc.(range)	Lot # with QA # (or reference to APPL prep date)	Exp Date	Aliquot from Stock	Final Volume	Final Solvent + Lot# (or APPL Prep Date)	Final Standard Conc (range)
Custom PAH SIM Mix	Phenova	ALO-130490	200 ug/mL	**CL13117-51757**	**12/31/2022**	1000 uL	1mL	**NA**	200 ug/mL

Name of Final Standard	**5 SIM CCV (2x)**	**Prep'd By (Initials)**	**LS**
Prep Date	**10/19/2021**		
Exp Date	**6/17/2022**		

Initial Standard Information						Final Standard Information			
Name of Initial Standard (from container Label)	Supplier	Supplier P/N# (or APPL Mix Name)	Conc.(range)	Lot # with QA # (or reference to APPL prep date)	Exp Date	Aliquot from Stock	Final Volume	Final Solvent + Lot# (or APPL Prep Date)	Final Standard Conc (range)
SIM STOCK	APPL	SIM STOCK	200 ug/mL	**6/17/2021**	**12/31/2022**	5 uL	200uL	**MC 61117 190 uL**	5.0 ug/mL
SIM SURROGATE	APPL	SIM SURR	100 ug/mL	**6/17/2021**	**5/31/2026**	5 uL	*	*	2.5ug/mL
SIM Internal Standard	APPL	SIM Internal Standard	125 ug/mL	**6/17/2021**	**6/30/2026**	4 uL	*	*	2.5ug/mL

Name of Final Standard	**SIM Surrogate**	**Prep'd By (Initials)**	**LS/IC**
Prep Date	**9/21/2021**		
Exp Date	**9/21/2022**		

Initial Standard Information						Final Standard Information			
Name of Initial Standard (from contianer Label)	Supplier	Supplier P/N# (or APPL Mix Name)	Conc.(range)	Lot # with QA # (or reference to APPL prep date)	Exp Date	Aliquot from Stock	Final Volume	Final Solvent + Lot# (or APPL Prep Date)	Final Standard Conc (range)
Sim Surrogate Deuterated	Restek	33913	2000 ug/mL	A0173323-52639	5/31/2027	1 mL	20 mL	**Acetone #0246130**	100 ug/mL

Name of Final Standard	SIM Surrogate	Prep'd By (Initials)	LS
Prep Date	8/24/2021		
Exp Date	8/24/2022		

Initial Standard Information						Final Standard Information			
Name of Initial Standard (from contianer Label)	Supplier	Supplier P/N# (or APPL Mix Name)	Conc.(range)	Lot # with QA # (or reference to APPL prep date)	Exp Date	Aliquot from Stock	Final Volume	Final Solvent + Lot# (or APPL Prep Date)	Final Standard Conc (range)
Sim Surrogate Deuterated	Restek	33913	2000 ug/mL	A0173323-52640	5/31/2027	1 mL	20 mL	Acetone #0246130	100 ug/mL

Name of Final Standard	**SIM Spike**	**Prep'd By (Initials)**	**LS**
Prep Date	**8/5/2021**		
Exp Date	**5/28/2022**		

Initial Standard Information						Final Standard Information			
Name of Initial Standard (from contianer Label)	Supplier	Supplier P/N# (or APPL Mix Name)	Conc.(range)	Lot # with QA # (or reference to APPL prep date)	Exp Date	Aliquot from Stock	Final Volume	Final Solvent + Lot# (or APPL Prep Date)	Final Standard Conc (range)
Custom PAH Sim Mix	Phenova	AL0-130490	200 ug/mL	**CL13121-50766,50767,50771,52444,52445**	**5/28/2022**	5 mL	25 mL	**Acetone 0246130**	40 ug/mL

Name of Final Standard	**5 SIM CCV (2x)**	**Prep'd By (Initials)**	**LS**
Prep Date	**10/19/2021**		
Exp Date	**6/17/2022**		

Initial Standard Information						Final Standard Information			
Name of Initial Standard (from container Label)	Supplier	Supplier P/N# (or APPL Mix Name)	Conc.(range)	Lot # with QA # (or reference to APPL prep date)	Exp Date	Aliquot from Stock	Final Volume	Final Solvent + Lot# (or APPL Prep Date)	Final Standard Conc (range)
SIM STOCK	APPL	SIM STOCK	200 ug/mL	**6/17/2021**	**12/31/2022**	5 uL	200uL	**MC 61117 190 uL**	5.0 ug/mL
SIM SURROGATE	APPL	SIM SURR	100 ug/mL	**6/17/2021**	**5/31/2026**	5 uL	*	*	2.5ug/mL
SIM Internal Standard	APPL	SIM Internal Standard	125 ug/mL	**6/17/2021**	**6/30/2026**	4 uL	*	*	2.5ug/mL

Name of Final Standard	SIM Surrogate	Prep'd By (Initials)	LS
Prep Date	8/24/2021		
Exp Date	8/24/2022		

Initial Standard Information						Final Standard Information			
Name of Initial Standard (from contianer Label)	Supplier	Supplier P/N# (or APPL Mix Name)	Conc.(range)	Lot # with QA # (or reference to APPL prep date)	Exp Date	Aliquot from Stock	Final Volume	Final Solvent + Lot# (or APPL Prep Date)	Final Standard Conc (range)
Sim Surrogate Deuterated	Restek	33913	2000 ug/mL	A0173323-52640	5/31/2027	1 mL	20 mL	Acetone #0246130	100 ug/mL

Name of Final Standard	SIM Surrogate	Prep'd By (Initials)	LS/IC
Prep Date	9/21/2021		
Exp Date	9/21/2022		

Initial Standard Information						Final Standard Information			
Name of Initial Standard (from contianer Label)	Supplier	Supplier P/N# (or APPL Mix Name)	Conc.(range)	Lot # with QA # (or reference to APPL prep date)	Exp Date	Aliquot from Stock	Final Volume	Final Solvent + Lot# (or APPL Prep Date)	Final Standard Conc (range)
Sim Surrogate Deuterated	Restek	33913	2000 ug/mL	A0173323-52639	5/31/2027	1 mL	20 mL	Acetone #0246130	100 ug/mL

_LIQ003

Organic Extraction Worksheet

Method	Continuous Liquid/Liquid SVOC 3520C	Extraction Set	211006A	Extraction Method	LIQ003	Units	mL

Spiked ID 1	Sim Spike		Surrogate ID 1	SIM 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:	YES	
Spiked ID 7			Ext. Start Time:		
Spiked ID 8			Ext. End Time:		
			GC Requires Extract By:		

pH1	14		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	211006A Blk				0.050	1 equip	1000	1	14	10/06/21 10:50	
2	211006A LCS-1		0.125	1	0.050	1 equip	1000	1	14	10/06/21 10:50	
3	211006A LCSD-1		0.125	1	0.050	1 equip	1000	1	14	10/06/21 10:50	
4	BA42036	BA42036W07			0.050	1 equip	950	1	14	10/06/21 10:50	97717
5	BA42037 MS-1	BA42037W14	0.125	1	0.050	1 equip	1000	1	14	10/06/21 10:50	97717
6	BA42037 MSD-1	BA42037W16	0.125	1	0.050	1 equip	950	1	14	10/06/21 10:50	97717
7	BA42037	BA42037W11			0.050	1 equip	1000	1	14	10/06/21 10:50	97717
8	BA42038	BA42038W06			0.050	1 equip	950	1	14	10/06/21 10:50	97717
9	BA42228	BA42228W08			0.050	1 equip	1000	1	14	10/06/21 10:50	97741
10	BA42229	BA42229W07			0.050	1 equip	1000	1	14	10/06/21 10:50	97741
11	BA42230	BA42230W08			0.050	1 equip	1000	1	14	10/06/21 10:50	97741
12	BA42231	BA42231W08			0.050	1 equip	950	1	14	10/06/21 10:50	97741

Solvent and Lot#	
PH Strips	*
Dichloromethane (DCM)	*
10N NaOH (10mLs)	*
Filter Paper	*
Na2SO4	*

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

	Technician's Initials
Scanned By	
Sample Preparation	
Extraction	
Concentration	

Modified	10/7/2021 1:22:02 PM

Reviewed By: **Date**

Injection Log

Directory: M:\KYLO\DATA\211019\

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	1	1019K001.D	1	SV TUNE 7/2/21		19 Oct 21 13:58
2	2	1019K002.D	1	0.1 ug/ml 10/10/21		19 Oct 21 14:09
3	3	1019K003.D	1	0.2 ug/ml 10/10/21		19 Oct 21 14:29
4	4	1019K004.D	1	0.5 ug/ml 10/10/21		19 Oct 21 14:49
5	5	1019K005.D	1	1 ug/ml 10/10/21		19 Oct 21 15:09
6	6	1019K006.D	1	5 ug/ml 10/10/21		19 Oct 21 15:29
7	7	1019K007.D	1	10 ug/ml 10/10/21		19 Oct 21 15:49
8	8	1019K008.D	1	50 ug/ml 10/10/21		19 Oct 21 16:09
9	9	1019K009.D	1	100 ug/ml 10/10/21		19 Oct 21 16:29
10	10	1019K010.D	1	SS ug/ml 10/10/21		19 Oct 21 16:49
11	11	1019K011.D	1	SV TUNE 7/2/21		19 Oct 21 17:23
12	21	1019K021.D	1	211006A BLK 1/1000		19 Oct 21 20:35
13	22	1019K022.D	1	211006A LCS-1 1/1000		19 Oct 21 20:55
14	23	1019K023.D	1	211006A LCSD-1 1/1000		19 Oct 21 21:15
15	29	1019K029.D	1	BA42228W08 1/1000		19 Oct 21 23:14
16	30	1019K030.D	1	BA42229W07 1/1000		19 Oct 21 23:34
17	31	1019K031.D	1	BA42230W08 1/1000		19 Oct 21 23:54
18	32	1019K032.D	1.05263	BA42231W08 1/950		20 Oct 21 00:14
19	45	1019K045.D	1	5 ug/ml 10/10/21 (2)		20 Oct 21 4:32

ORGANICS
Calibration Data

VOLATILE ORGANIC ANALYSIS BY
EPA METHOD 8260B

Form 6
Initial Calibration

Lab Name: APPL, Inc. SDG No:
Case No: Initial Cal. Date: 10/8/2021
Matrix: Water Instrument: Max Initials: PA

		Compound	1008M22.D	1008M23.D	1008M24.D	1008M25.D	1008M26.D	1008M27.D	1008M28.D	1008M29.D	1008M30.D		Avg	%RSD	Type	r^2	Q	MRF
1	I	Fluorobenzene (IS)																
2	TM	Chlorotrifluoroethene													TM			
3	TM	Dichlorodifluoromethane	0.1278	0.1090	0.1458	0.1631	0.1089	0.1226	0.1206	0.1233	0.1134		0.13	14	TM			
4	TM	Freon 114	0.0717	0.1248	0.1313	0.1144	0.1131	0.1088	0.1137	0.1147	0.1065		0.11	15	TM			
5	TM**L	Chloromethane	0.1415	0.1088	0.0919	0.0774	0.0731	0.0827	0.0808	0.0745			0.09	26	TM**	0.998		
6	TM*	Vinyl chloride	0.0670	0.1147	0.0969	0.0979	0.0796	0.1039	0.0967	0.0920	0.0815		0.09	15	TM*			
7	TM	2-Chloro-1,1,1-trifluoroethane													TM			
8	TML	Bromomethane	0.0538	0.0930	0.0569	0.0502	0.0621	0.0639	0.0636	0.0622	0.0612		0.06	19	TM	1.000		
9	TML	Chloroethane	0.1566	0.1173	0.1035	0.1045	0.0606	0.0554	0.0602	0.0550	0.0642		0.09	42	TM	0.996		
10	TM	Dichlorofluoromethane	0.2001	0.2372	0.1859	0.2300	0.1999	0.2089	0.2063	0.2109	0.1948		0.21	7.9	TM			
11	TM	Trichlorofluoromethane	0.2026	0.2250	0.2445	0.2456	0.2176	0.2690	0.2578	0.2466	0.2189		0.24	9.1	TM			
12	TM	2,2-Dichloro-1,1,1-trifluoroethane													TM			
13	TM	Acrolein	0.0218	0.0264	0.0262	0.0252	0.0270	0.0212	0.0246	0.0245	0.0238		0.02	8.1	TM			
14	TM	Acetone	0.0275	0.0301	0.0268	0.0283	0.0280	0.0289	0.0263	0.0291	0.0285		0.03	4.2	TM			
15	TM	Freon-113	0.0913	0.1479	0.1097	0.1231	0.0941	0.1108	0.1126	0.1114	0.0986		0.11	15	TM			
16	TM	Acetonitrile	0.0073	0.0087	0.0072	0.0078	0.0084	0.0073	0.0081	0.0082	0.0090		0.01	8.1	TM			
17	TML	2-propanol													TM			
18	TM	1,2-Dichlorotrifluoroethane	0.2001	0.2372	0.1859	0.2300	0.1999	0.2089	0.2063	0.2109	0.1952		0.21	7.8	TM			
19	TM*	1,1-DCE	0.1018	0.1660	0.1549	0.1570	0.1272	0.1542	0.1464	0.1483	0.1383		0.14	13	TM*			
20	TMQ	t-Butanol	0.0072	0.0098	0.0087	0.0097	0.0106	0.0110	0.0125	0.0128	0.0151		0.01	22	TM	0.996		
21	TM	Methyl Acetate	0.0472	0.0629	0.0568	0.0511	0.0450	0.0489	0.0483	0.0482	0.0481		0.05	11	TM			
22	TML	Iodomethane	0.0711	0.0783	0.0794	0.0719	0.0613	0.0826	0.0920	0.1079	0.1165		0.08	21	TM	0.998		
23	TML	Acrylonitrile		0.0054	0.0190	0.0318	0.0219	0.0288	0.0283	0.0292	0.0287		0.02	36	TM	1.000		
24	TM	2-Methylpentane													TM			
25	TM	Methylene chloride		0.0892	0.1230	0.1205	0.0943	0.1020	0.1044	0.1030	0.0929		0.10	12	TM			
26	TM	Carbon disulfide	0.1626	0.1617	0.1567	0.1513	0.1119	0.1333	0.1372	0.1308	0.1151		0.14	14	TM			
27	TM	Methyl t-butyl ether (MtBE)	0.2545	0.3861	0.3413	0.3712	0.3036	0.3483	0.3461	0.3423	0.3220		0.34	12	TM			
28	TML	Trans-1,2-DCE	0.0443	0.0447	0.0929	0.1112	0.0961	0.1015	0.1113	0.1029	0.0957		0.09	29	TM	0.998		
29	TML	3-Methylpentane	0.0257	0.0541	0.0685	0.0672	0.0499	0.0602	0.0568	0.0572	0.0538		0.05	23	TM	0.999		
30	TM	Hexane													TM			
31	TM	Diisopropyl Ether	0.2469	0.2231	0.2431	0.2411	0.2124	0.2367	0.2384	0.2398	0.2200		0.23	5.1	TM			
32	TM**	1,1-DCA		0.1968	0.1939	0.1663	0.1525	0.1663	0.1702	0.1666	0.1571		0.17	9.3	TM**			
33	TM	Vinyl Acetate	0.0917	0.0982	0.0868	0.0820	0.0814	0.0685	0.0698				0.08	13	TM			
34	TM	Ethyl tert Butyl Ether	0.2243	0.3543	0.3219	0.3343	0.2811	0.3118	0.3254	0.3181	0.2969		0.31	12	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: 10/8/2021
Matrix: Water Instrument: Max Initials: PA

		Compound	1	2	3	4	5	6	7	8	9		Avg	%RSD	Type		Q	MRF
36	TM	MEK (2-Butanone)	0.0301	0.0313	0.0351	0.0337	0.0323	0.0326	0.0334	0.0331	0.0352		0.03	5.0	TM			
37	TM	Cis-1,2-DCE	0.1453	0.1039	0.1325	0.1246	0.1042	0.1228	0.1181	0.1167	0.1079		0.12	11	TM			
38	TM	2,2-Dichloropropane	0.2766	0.2415	0.2169	0.2254	0.1900	0.2112	0.2164	0.2153	0.1972		0.22	12	TM			
39	TM*	Chloroform	0.2891	0.2339	0.2285	0.2380	0.2108	0.2241	0.2273	0.2290	0.2090		0.23	10	TM*			
40	TML	Bromochloromethane	0.0491	0.0602	0.0991	0.0946	0.0818	0.0914	0.0966	0.0943	0.0861		0.08	21	TM	0.998		
41	S	Dibromofluoromethane(S)	0.3265	0.3537	0.2843	0.2981	0.3077	0.3045	0.2919	0.2881	0.2552		0.30	9.2	S			
42	TM	1,1,1-TCA	0.2477	0.2025	0.2527	0.2465	0.2337	0.2575	0.2630	0.2583	0.2402		0.24	7.5	TM			
43	TM	Cyclohexane	0.0717	0.0813	0.0907	0.0689	0.0678	0.0776	0.0737	0.0776	0.0692		0.08	9.7	TM			
44	TM	1,1-Dichloropropene	0.1217	0.1601	0.1545	0.1357	0.1269	0.1411	0.1410	0.1384	0.1271		0.14	9.2	TM			
45	TM	2,2,4-Trimethylpentane	0.2853	0.2253	0.2789	0.2143	0.1916	0.2184	0.2167	0.2158	0.1977		0.23	14	TM			
46	S	1,2-DCA-D4(S)	0.2396	0.2237	0.1974	0.2014	0.2045	0.2082	0.1965	0.1984	0.1757		0.21	8.8	S			
47	TM	Carbon Tetrachloride	0.2030	0.2299	0.1887	0.2338	0.2092	0.2360	0.2368	0.2354	0.2193		0.22	7.9	TM			
48	TM	Tert Amyl Methyl Ether	0.2266	0.3302	0.3120	0.3257	0.2960	0.3166	0.3138	0.3205	0.2952		0.30	10	TM			
49	TM	1,2-DCA	0.1552	0.2129	0.2452	0.2539	0.2035	0.2168	0.2173	0.2104	0.2006		0.21	13	TM			
50	TM	Benzene	0.4442	0.3799	0.3750	0.3968	0.3617	0.3853	0.3997	0.3894	0.3584		0.39	6.6	TM			
51	TML	TCE	0.1128	0.1719	0.1353	0.1477	0.1074	0.1218	0.1223	0.1253	0.1141		0.13	16	TM	0.999		
52	TM	2-Pentanone	0.0397	0.0549	0.0561	0.0560	0.0564	0.0586	0.0577	0.0585	0.0611		0.06	11	TM			
53	TM*L	1,2-Dichloropropane	0.0614	0.0449	0.0426	0.0435	0.0350	0.0473	0.0439	0.0403	0.0412		0.04	16	TM*	0.999		
54	TM	Bromodichloromethane	0.1704	0.1994	0.2086	0.1780	0.1560	0.1790	0.1861	0.1813	0.1745		0.18	8.5	TM			
55	TML	Methyl Cyclohexane	0.0843	0.2217	0.1759	0.1562	0.1417	0.1566	0.1608	0.1580	0.1417		0.16	23	TM	0.998		
56	TM	Dibromomethane	0.0626	0.0564	0.0839	0.0695	0.0643	0.0704	0.0731	0.0717	0.0683		0.07	11	TM			
57	TM	MIBK (methyl isobutyl ketone)	0.0727	0.0753	0.0731	0.0768	0.0737	0.0776	0.0753	0.0771	0.0779		0.08	2.6	TM			
58	TM	1-Bromo-2-chloroethane			0.0301	0.0248	0.0240	0.0257	0.0263	0.0264	0.0244		0.03	7.8	TM			
59	TM	2-Chloroethyl vinyl ether													TM			
60	TM	Cis-1,3-Dichloropropene	0.1663	0.2215	0.1485	0.1514	0.1594	0.1768	0.1780	0.1749	0.1696		0.17	12	TM			
61	TM*	Toluene	0.5068	0.4868	0.4671	0.5085	0.4484	0.4925	0.4793	0.4744	0.4428		0.48	4.8	TM*			
62	TM	Trans-1,3-Dichloropropene	0.1404	0.1871	0.1725	0.2004	0.1561	0.1754	0.1839	0.1861	0.1818		0.18	10	TM			
63	TM	1,1,2-TCA	0.0938	0.0671	0.0821	0.0858	0.0635	0.0692	0.0705	0.0716	0.0695		0.07	13	TM			
64	TM	2-Hexanone	0.0505	0.0552	0.0530	0.0529	0.0518	0.0541	0.0561	0.0551	0.0556		0.05	3.5	TM			
65	I	Chlorobenzene-D5 (IS)																
66	S	Toluene-D8(S)	1.333	1.341	1.083	1.144	1.117	1.114	1.073	1.041	0.9226		1.1	12	S			
67	TM	1,2-EDB	0.1059	0.1034	0.1166	0.1065	0.0999	0.1154	0.1180	0.1146	0.1127		0.11	5.9	TM			
68	TM	Tetrachloroethene		0.1414	0.1068	0.1109	0.0966	0.1060	0.1084	0.1019	0.0935		0.11	14	TM			
69	TM	1-Chlorohexane	0.1177	0.1087	0.0810	0.1045	0.0915	0.1049	0.1007	0.0995	0.0967		0.10	10	TM			
70	TM	1,1,1,2-Tetrachloroethane	0.1909	0.1907	0.1745	0.1871	0.1737	0.1741	0.1857	0.1793	0.1705		0.18	4.4	TM			

VOLATILE ORGANIC ANALYSIS BY
EPA METHOD 8260B

Form 6
Initial Calibration

Lab Name: APPL, Inc. SDG No:
Case No: Initial Cal. Date: 10/8/2021
Matrix: Water Instrument: Max Initials: PA

		Compound	1	2	3	4	5	6	7	8	9		Avg	%RSD	Type		Q	MRF
71	TM	m&p-Xylene	0.2795	0.2880	0.2731	0.2769	0.2491	0.2836	0.2770	0.2703	0.2587		0.27	4.5	TM			
72	TM	o-Xylene	0.2224	0.2994	0.3036	0.2946	0.2622	0.2836	0.2870	0.2787	0.2602		0.28	9.2	TM			
73	TM	Styrene	0.5586	0.3808	0.4756	0.4263	0.4046	0.4569	0.4617	0.4527	0.4477		0.45	11	TM			
74	S	4-Bromofluorobenzene(S)	0.5419	0.5667	0.4432	0.4613	0.4882	0.4880	0.4819	0.4779	0.4602		0.49	8.1	S			
75	TM	1,3-Dichloropropane	0.1784	0.1865	0.1610	0.1914	0.1468	0.1677	0.1684	0.1660	0.1563		0.17	8.4	TM			
76	TM	Dibromochloromethane	0.1621	0.1960	0.1637	0.1769	0.1502	0.1770	0.1745	0.1703	0.1687		0.17	7.4	TM			
77	TM**	Chlorobenzene	0.5017	0.4340	0.4334	0.4390	0.3643	0.4054	0.4052	0.3880	0.3778		0.42	9.9	TM**			
78	TM*	Ethylbenzene	0.6166	0.6470	0.6367	0.6496	0.6023	0.6380	0.6467	0.6355	0.5941		0.63	3.2	TM*			
79	TM**	Bromoform	0.1421	0.1321	0.1286	0.1443	0.1261	0.1513	0.1511	0.1540	0.1546		0.14	7.8	TM**			
80	I	1,4-Dichlorobenzene-D (IS)																
81	TM	Isopropylbenzene	1.050	1.290	1.205	1.132	0.9877	1.071	1.051	1.026	0.9685		1.1	9.6	TM			
82	TM**	1,1,2,2-Tetrachloroethane	0.2250	0.1556	0.2162	0.1926	0.1636	0.1767	0.1707	0.1641	0.1672		0.18	14	TM**			
83	TML	1,2,3-Trichloropropane	0.0194	0.1182	0.1027	0.0800	0.0800	0.0913	0.0900	0.0881	0.0848		0.08	32	TM	1.000		
84	TML	t-1,4-Dichloro-2-Butene	0.0072	0.0827	0.0335	0.0487	0.0478	0.0578	0.0564	0.0578	0.0562		0.05	41	TM	1.000		
85	TM	Bromobenzene	0.4421	0.3570	0.4401	0.4296	0.3130	0.3531	0.3497	0.3386	0.3272		0.37	14	TM			
86	TM	n-Propylbenzene	1.081	1.171	1.061	1.207	0.9714	1.101	1.105	1.066	1.018		1.1	6.6	TM			
87	TM	4-Ethyltoluene	1.052	1.107	0.9670	1.053	0.9023	1.081	1.036	1.031	0.9752		1.0	6.2	TM			
88	TM	2-Chlorotoluene	0.9708	0.9842	0.9186	0.9169	0.7869	0.8781	0.7125	0.8012	0.6628		0.85	13	TM			
89	TM	1,3,5-Trimethylbenzene	0.9160	0.8604	0.9840	1.049	0.8491	0.9830	0.9326	0.9255	0.8730		0.93	7.1	TM			
90	TM	4-Chlorotoluene	0.8883	0.8711	0.8880	0.9383	0.7730	0.8886	0.8446	0.8253	0.7842		0.86	6.3	TM			
91	TM	Tert-Butylbenzene	0.4858	0.5434	0.5331	0.5422	0.4619	0.5439	0.5373	0.5665	0.5332		0.53	6.2	TM			
92	TML	1,2,4-Trimethylbenzene	1.000	0.6105	0.8577	0.8370	0.7607	0.9324	0.9254	0.9431			0.86	15	TM	1.000		
93	TM	Sec-Butylbenzene	0.8651	0.9627	0.9289	0.9919	0.8843	1.032	1.063	1.056	1.014		0.98	7.4	TM			
94	TML	p-Isopropyltoluene	0.7834	0.6611	0.7721	0.8599	0.8062	0.9938	1.012	1.040			0.87	16	TM	0.999		
95	TM	Benzyl Chloride		0.2386	0.2228	0.2471	0.2401	0.2769	0.2799	0.2716	0.2701		0.26	8.3	TM			
96	TM	1,3-DCB	0.6275	0.6457	0.5693	0.6403	0.5438	0.6166	0.6168	0.6126	0.5878		0.61	5.5	TM			
97	TML	1,4-DCB	0.9366	0.6466	0.7286	0.6151	0.5382	0.6435	0.6192	0.6163	0.5800		0.66	18	TM	0.999		
98	TML	n-Butylbenzene	0.2509	0.3168	0.4034	0.4075	0.4301	0.5388	0.6302	0.6947	0.6925		0.48	33	TM	0.999		
99	TM	1,2-DCB	0.5804	0.5873	0.6081	0.6405	0.5203	0.6070	0.6247	0.6162	0.5919		0.60	5.8	TM			
100	TML	Hexachloroethane	0.2235	0.1862	0.1549	0.1731	0.1555	0.1736	0.1695	0.1635	0.1611		0.17	12	TM	1.000		
101	TML	1,2-Dibromo-3-chloropropane		0.0256	0.0159	0.0457	0.0381	0.0432	0.0461	0.0500	0.0525		0.04	32	TM	0.999		
102	TML	1,2,4-Trichlorobenzene	0.0787	0.1124	0.0812	0.1068	0.1229	0.1688	0.1970	0.2446	0.2772		0.15	47	TM	0.996		
103	TML	Hexachlorobutadiene	0.1171	0.1349	0.1482	0.2070	0.1779	0.2324	0.2555	0.2692	0.2749		0.20	30	TM	1.000		
104	TMQ	Naphthalene	0.2246	0.1701	0.1880	0.2091	0.2147	0.2720	0.3566	0.4315	0.5844		0.29	47	TM	1.000		
105	TML	1,2,3-Trichlorobenzene		0.0615	0.0805	0.1191	0.1364	0.1910	0.2339	0.2885	0.3539		0.18	56	TM	0.993		

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211008\1008M22.D Vial: 2
Acq On : 8 Oct 21 16:42 Operator: LP,DG,CH
Sample : 0.3ug/L VOC STD 10/8/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 11 11:18 2021 Quant Results File: M1008W.RES

Quant Method : M:\MAX\DATA\211008\M1008W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Mon Oct 11 11:16:12 2021
Response via : Initial Calibration
DataAcq Meth : M8260

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene (IS)	6.28	96	395258	25.00	ppb		0.00
65) Chlorobenzene-D5 (IS)	9.45	117	367600	25.00	ppb		0.00
80) 1,4-Dichlorobenzene-D (IS)	11.78	152	219240	25.00	ppb		0.00
System Monitoring Compounds							
41) Dibromofluoromethane(S)	5.49	111	25814	5.42	ppb		0.00
Spiked Amount 25.000			Recovery = 21.688%				
46) 1,2-DCA-D4(S)	5.89	65	18944	5.84	ppb		0.00
Spiked Amount 25.000			Recovery = 23.372%				
66) Toluene-D8(S)	8.00	98	98013	5.90	ppb		0.00
Spiked Amount 25.000			Recovery = 23.600%				
74) 4-Bromofluorobenzene(S)	10.63	95	39839	5.53	ppb		0.00
Spiked Amount 25.000			Recovery = 22.120%				
Target Compounds							Qvalue
3) Dichlorodifluoromethane	1.17	85	606	0.30	ppb		95
4) Freon 114	1.26	85	340	0.19	ppb	#	9
5) Chloromethane	1.31	50	671	0.34	ppb	#	41
6) Vinyl chloride	1.39	62	318	0.22	ppb	#	42
8) Bromomethane	1.65	94	255	0.10	ppb		81
9) Chloroethane	1.75	64	743	1.06	ppb	#	49
10) Dichlorofluoromethane	1.93	67	949	0.29	ppb	#	42
11) Trichlorofluoromethane	1.96	101	961	0.26	ppb	#	68
13) Acrolein	2.39	56	3439	8.87	ppb	#	74
14) Acetone	2.55	43	2171	4.87	ppb		96
15) Freon-113	2.48	151	433	0.25	ppb	#	76
16) Acetonitrile	2.87	41	1150	9.12	ppb	#	87
18) 1,2-Dichlorotrifluoroethan	1.93	67	949	0.29	ppb		100
19) 1,1-DCE	2.45	61	483	0.21	ppb	#	74
20) t-Butanol	3.28	59	1132	1.51	ppb	#	63
21) Methyl Acetate	2.95	43	224	0.28	ppb	#	46
22) Iodomethane	2.61	142	337	1.77	ppb	#	77
23) Acrylonitrile	3.26	53	52	0.38	ppb	#	21
25) Methylene chloride	3.01	84	724	0.44	ppb	#	75
26) Carbon disulfide	2.66	76	771	0.35	ppb	#	73
27) Methyl t-butyl ether (MtBE	3.40	73	1207	0.23	ppb		94
28) Trans-1,2-DCE	3.37	96	210	-0.47	ppb	#	41
29) 3-Methylpentane	3.28	57	122	-0.35	ppb	#	8
31) Diisopropyl Ether	4.19	45	1171	0.32	ppb	#	37
32) 1,1-DCA	3.99	63	503	0.19	ppb	#	38
33) Vinyl Acetate	4.17	43	435	0.33	ppb	#	77
34) Ethyl tert Butyl Ether	4.70	59	1064	0.22	ppb		93

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

Data File : M:\MAX\DATA\211008\1008M22.D Vial: 2
Acq On : 8 Oct 21 16:42 Operator: LP,DG,CH
Sample : 0.3ug/L VOC STD 10/8/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 11 11:18 2021 Quant Results File: M1008W.RES

Quant Method : M:\MAX\DATA\211008\M1008W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Mon Oct 11 11:16:12 2021
Response via : Initial Calibration
DataAcq Meth : M8260

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
36)	MEK (2-Butanone)	4.94	43	2376	4.56	ppb	#	70
37)	Cis-1,2-DCE	4.85	96	689	0.36	ppb	#	44
38)	2,2-Dichloropropane	4.82	77	1312	0.38	ppb	#	60
39)	Chloroform	5.29	83	1371	0.37	ppb	#	70
40)	Bromochloromethane	5.17	130	233	-0.40	ppb	#	42
42)	1,1,1-TCA	5.46	97	1175	0.30	ppb	#	59
43)	Cyclohexane	5.52	41	340	0.29	ppb		82
44)	1,1-Dichloropropene	5.69	75	577	0.26	ppb	#	79
45)	2,2,4-Trimethylpentane	6.07	57	1353	0.38	ppb	#	80
47)	Carbon Tetrachloride	5.67	117	963	0.28	ppb	#	68
48)	Tert Amyl Methyl Ether	6.13	73	1075	0.22	ppb	#	85
49)	1,2-DCA	5.98	62	736	0.22	ppb	#	53
50)	Benzene	5.94	78	2107	0.34	ppb	#	83
51)	TCE	6.69	95	535	-0.32	ppb	#	63
52)	2-Pentanone	6.95	43	6277	7.16	ppb		89
53)	1,2-Dichloropropane	6.95	63	291	0.21	ppb	#	78
54)	Bromodichloromethane	7.25	83	808	0.28	ppb	#	15
55)	Methyl Cyclohexane	6.88	83	400	-0.64	ppb		89
56)	Dibromomethane	7.07	93	297	0.27	ppb		78
57)	MIBK (methyl isobutyl ket	7.93	43	5746	4.81	ppb	#	92
58)	1-Bromo-2-chloroethane	7.59	144	49	0.12	ppb	#	1
60)	Cis-1,3-Dichloropropene	7.73	75	789	0.29	ppb	#	59
61)	Toluene	8.06	91	2404	0.32	ppb		93
62)	Trans-1,3-Dichloropropene	8.32	75	666	0.24	ppb	#	40
63)	1,1,2-TCA	8.49	83	445	0.38	ppb	#	51
64)	2-Hexanone	8.78	43	3993	4.69	ppb		97
67)	1,2-EDB	8.99	107	467	0.29	ppb		87
68)	Tetrachloroethene	8.62	164	726	0.46	ppb	#	76
69)	1-Chlorohexane	9.49	91	519	0.35	ppb		87
70)	1,1,1,2-Tetrachloroethane	9.57	131	842	0.32	ppb		93
71)	m&p-Xylene	9.73	106	2466	0.61	ppb		93
72)	o-Xylene	10.11	106	981	0.24	ppb		98
73)	Styrene	10.13	104	2464	0.37	ppb	#	75
75)	1,3-Dichloropropane	8.66	76	787	0.32	ppb		98
76)	Dibromochloromethane	8.88	129	715	0.28	ppb		83
77)	Chlorobenzene	9.48	112	2213	0.36	ppb		93
78)	Ethylbenzene	9.60	91	2720	0.29	ppb	#	82
79)	Bromoform	10.31	173	627	0.30	ppb		89
81)	Isopropylbenzene	10.49	105	2763	0.29	ppb		97
82)	1,1,2,2-Tetrachloroethane	10.80	83	592	0.37	ppb	#	60
83)	1,2,3-Trichloropropane	10.84	110	51	-0.24	ppb	#	1
84)	t-1,4-Dichloro-2-Butene	10.79	53	19	0.14	ppb	#	13

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

Data File : M:\MAX\DATA\211008\1008M22.D Vial: 2
Acq On : 8 Oct 21 16:42 Operator: LP,DG,CH
Sample : 0.3ug/L VOC STD 10/8/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 11 11:18 2021 Quant Results File: M1008W.RES

Quant Method : M:\MAX\DATA\211008\M1008W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Mon Oct 11 11:16:12 2021
Response via : Initial Calibration
DataAcq Meth : M8260

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
85)	Bromobenzene	10.77	156	1163	0.36	ppb	#	63
86)	n-Propylbenzene	10.89	91	2843	0.30	ppb		96
87)	4-Ethyltoluene	11.01	105	2767	0.31	ppb		89
88)	2-Chlorotoluene	10.97	91	2554	0.34	ppb		82
89)	1,3,5-Trimethylbenzene	11.08	105	2410	0.30	ppb		96
90)	4-Chlorotoluene	11.08	91	2337	0.31	ppb		92
91)	Tert-Butylbenzene	11.40	119	1278	0.28	ppb	#	82
92)	1,2,4-Trimethylbenzene	11.45	105	2631	0.59	ppb		87
93)	Sec-Butylbenzene	11.62	105	2276	0.27	ppb		98
94)	p-Isopropyltoluene	11.77	119	2061	0.65	ppb	#	56
95)	Benzyl Chloride	11.94	91	1122	0.50	ppb	#	55
96)	1,3-DCB	11.71	146	1651	0.31	ppb		86
98)	n-Butylbenzene	12.18	91	660	1.12	ppb		90
99)	1,2-DCB	12.17	146	1527	0.29	ppb	#	92
100)	Hexachloroethane	12.41	117	588	0.14	ppb	#	71
102)	1,2,4-Trichlorobenzene	13.77	180	207	2.33	ppb	#	81
103)	Hexachlorobutadiene	13.95	225	308	1.01	ppb	#	72
104)	Naphthalene	14.01	128	591	1.10	ppb	#	88
105)	1,2,3-Trichlorobenzene	14.25	180	433	3.30	ppb	#	57

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

Quantitation Report

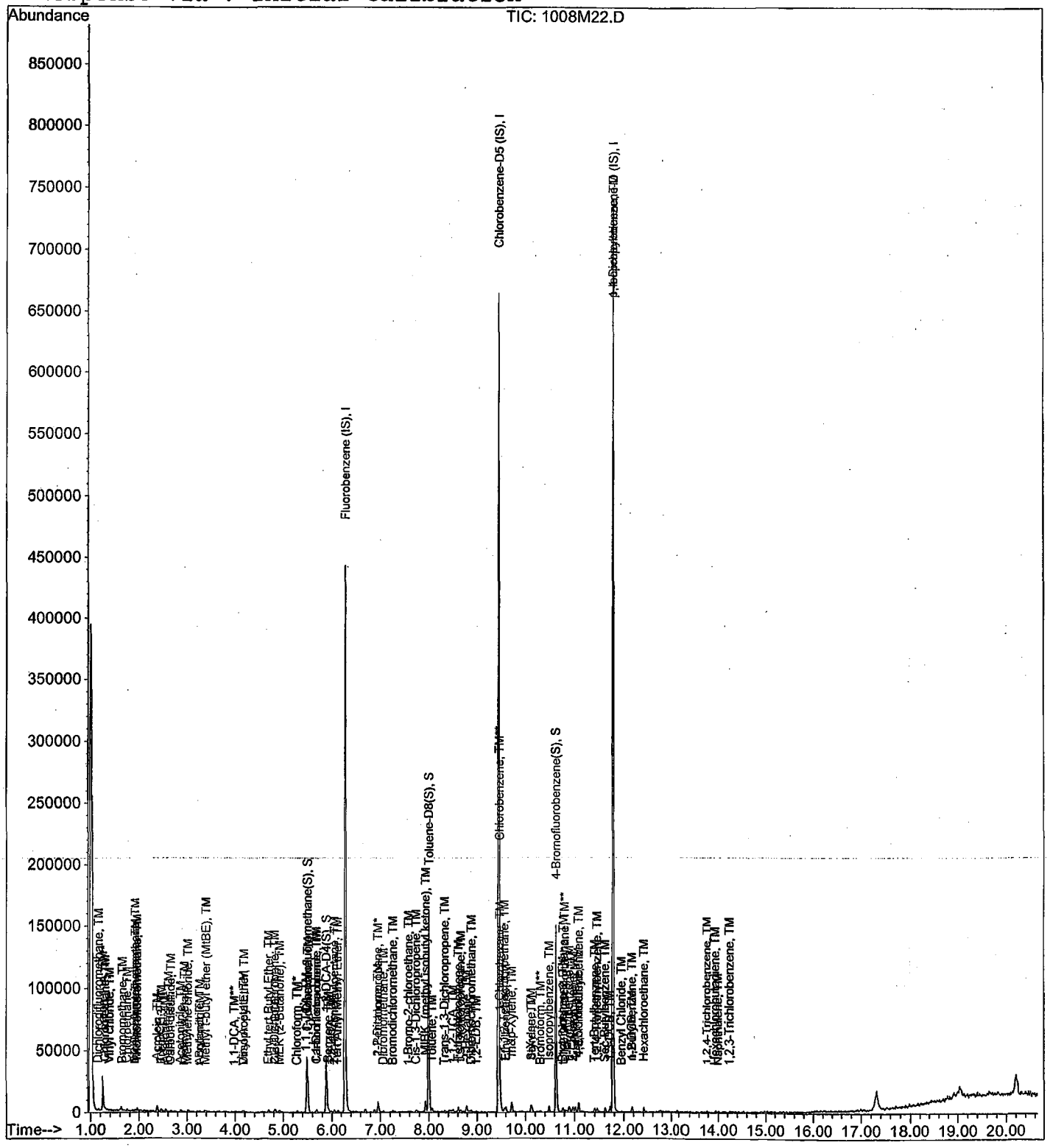
Data File : M:\MAX\DATA\211008\1008M22.D
Acq On : 8 Oct 21 16:42
Sample : 0.3ug/L VOC STD 10/8/21
Misc : IS&S 8/4/21

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

Quant Time: Oct 11 11:18 2021

Quant Results File: M1008W.RES

Method : M:\MAX\DATA\211008\M1008W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Mon Oct 11 11:16:12 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211008\1008M23.D Vial: 3
Acq On : 8 Oct 21 17:11 Operator: LP,DG,CH
Sample : 0.5ug/L VOC STD 10/8/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 11 11:18 2021 Quant Results File: M1008W.RES

Quant Method : M:\MAX\DATA\211008\M1008W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Mon Oct 11 11:16:12 2021
Response via : Initial Calibration
DataAcq Meth : M8260

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene (IS)	6.28	96	388896	25.00	ppb		0.00
65) Chlorobenzene-D5 (IS)	9.45	117	368558	25.00	ppb		0.00
80) 1,4-Dichlorobenzene-D (IS)	11.78	152	224254	25.00	ppb		0.00
System Monitoring Compounds							
41) Dibromofluoromethane(S)	5.50	111	27508	5.87	ppb		0.00
Spiked Amount 25.000			Recovery = 23.488%				
46) 1,2-DCA-D4(S)	5.89	65	17400	5.45	ppb		0.00
Spiked Amount 25.000			Recovery = 21.820%				
66) Toluene-D8(S)	8.00	98	98835	5.93	ppb		0.00
Spiked Amount 25.000			Recovery = 23.736%				
74) 4-Bromofluorobenzene(S)	10.63	95	41772	5.78	ppb		0.00
Spiked Amount 25.000			Recovery = 23.136%				
Target Compounds							Qvalue
3) Dichlorodifluoromethane	1.17	85	848	0.43	ppb	#	88
4) Freon 114	1.26	85	971	0.56	ppb	#	65
5) Chloromethane	1.25	50	846	0.49	ppb	#	41
6) Vinyl chloride	1.39	62	892	0.62	ppb		84
8) Bromomethane	1.66	94	723	0.59	ppb	#	72
9) Chloroethane	1.68	64	983	1.32	ppb	#	49
10) Dichlorofluoromethane	1.94	67	1845	0.57	ppb	#	71
11) Trichlorofluoromethane	1.97	101	1750	0.48	ppb		81
13) Acrolein	2.38	56	10261	26.90	ppb		96
14) Acetone	2.55	43	4685	10.69	ppb		94
15) Freon-113	2.47	151	1150	0.67	ppb	#	69
16) Acetonitrile	2.87	41	3366	27.13	ppb	#	88
18) 1,2-Dichlorotrifluoroethan	1.94	67	1845	0.57	ppb		100
19) 1,1-DCE	2.46	61	1291	0.58	ppb		90
20) t-Butanol	3.26	59	3809	28.83	ppb		97
21) Methyl Acetate	2.92	43	489	0.62	ppb	#	46
22) Iodomethane	2.60	142	609	1.93	ppb	#	78
23) Acrylonitrile	3.34	53	42	0.36	ppb	#	21
25) Methylene chloride	3.02	84	694	0.43	ppb	#	76
26) Carbon disulfide	2.66	76	1258	0.58	ppb		99
27) Methyl t-butyl ether (MtBE	3.41	73	3003	0.58	ppb	#	87
28) Trans-1,2-DCE	3.36	96	348	-0.38	ppb	#	13
31) Diisopropyl Ether	4.16	45	1735	0.48	ppb	#	76
32) 1,1-DCA	3.99	63	1531	0.57	ppb	#	77
33) Vinyl Acetate	4.16	43	764	0.59	ppb	#	77
34) Ethyl tert Butyl Ether	4.70	59	2756	0.58	ppb	#	52
36) MEK (2-Butanone)	4.92	43	4870	9.50	ppb	#	81

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

Data File : M:\MAX\DATA\211008\1008M23.D Vial: 3
Acq On : 8 Oct 21 17:11 Operator: LP,DG,CH
Sample : 0.5ug/L VOC STD 10/8/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 11 11:18 2021 Quant Results File: M1008W.RES

Quant Method : M:\MAX\DATA\211008\M1008W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Mon Oct 11 11:16:12 2021
Response via : Initial Calibration
DataAcq Meth : M8260

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
37)	Cis-1,2-DCE	4.83	96	808	0.43 ppb	#	58
38)	2,2-Dichloropropane	4.82	77	1878	0.55 ppb		99
39)	Chloroform	5.30	83	1819	0.50 ppb	#	52
40)	Bromochloromethane	5.16	130	468	-0.22 ppb	#	27
42)	1,1,1-TCA	5.48	97	1575	0.41 ppb	#	84
43)	Cyclohexane	5.52	41	632	0.54 ppb	#	68
44)	1,1-Dichloropropene	5.70	75	1245	0.58 ppb	#	73
45)	2,2,4-Trimethylpentane	6.07	57	1752	0.50 ppb	#	80
47)	Carbon Tetrachloride	5.69	117	1788	0.52 ppb	#	75
48)	Tert Amyl Methyl Ether	6.13	73	2568	0.54 ppb	#	88
49)	1,2-DCA	5.98	62	1656	0.50 ppb	#	78
50)	Benzene	5.94	78	2955	0.49 ppb		94
51)	TCE	6.69	95	1337	0.13 ppb	#	80
52)	2-Pentanone	6.96	43	21350	24.75 ppb		92
53)	1,2-Dichloropropane	6.95	63	349	0.31 ppb	#	37
54)	Bromodichloromethane	7.26	83	1551	0.55 ppb	#	60
56)	Dibromomethane	7.07	93	439	0.41 ppb	#	63
57)	MIBK (methyl isobutyl ket	7.93	43	11706	9.97 ppb	#	88
60)	Cis-1,3-Dichloropropene	7.74	75	1723	0.64 ppb	#	86
61)	Toluene	8.07	91	3786	0.51 ppb		93
62)	Trans-1,3-Dichloropropene	8.32	75	1455	0.53 ppb		97
63)	1,1,2-TCA	8.50	83	522	0.45 ppb	#	87
64)	2-Hexanone	8.79	43	8581	10.25 ppb		98
67)	1,2-EDB	8.99	107	762	0.47 ppb	#	72
68)	Tetrachloroethene	8.62	164	1042	0.65 ppb	#	67
69)	1-Chlorohexane	9.49	91	801	0.54 ppb	#	77
70)	1,1,1,2-Tetrachloroethane	9.58	131	1406	0.53 ppb		79
71)	m&p-Xylene	9.73	106	4246	1.06 ppb		80
72)	o-Xylene	10.11	106	2207	0.54 ppb		78
73)	Styrene	10.14	104	2807	0.42 ppb	#	79
75)	1,3-Dichloropropane	8.67	76	1375	0.55 ppb		90
76)	Dibromochloromethane	8.89	129	1445	0.57 ppb		89
77)	Chlorobenzene	9.48	112	3199	0.52 ppb	#	79
78)	Ethylbenzene	9.61	91	4769	0.51 ppb		87
79)	Bromoform	10.31	173	974	0.46 ppb		95
81)	Isopropylbenzene	10.49	105	5784	0.59 ppb		97
82)	1,1,2,2-Tetrachloroethane	10.80	83	698	0.43 ppb	#	76
83)	1,2,3-Trichloropropane	10.84	110	530	0.38 ppb	#	59
84)	t-1,4-Dichloro-2-Butene	10.87	53	371	0.83 ppb		94
85)	Bromobenzene	10.77	156	1601	0.48 ppb		83
86)	n-Propylbenzene	10.90	91	5253	0.54 ppb		87
87)	4-Ethyltoluene	11.01	105	4967	0.54 ppb	#	80

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

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211008\1008M23.D Vial: 3
Acq On : 8 Oct 21 17:11 Operator: LP,DG,CH
Sample : 0.5ug/L VOC STD 10/8/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 11 11:18 2021 Quant Results File: M1008W.RES

Quant Method : M:\MAX\DATA\211008\M1008W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Mon Oct 11 11:16:12 2021
Response via : Initial Calibration
DataAcq Meth : M8260

Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
88) 2-Chlorotoluene	10.97	91	4414	0.58	ppb		97
89) 1,3,5-Trimethylbenzene	11.08	105	3859	0.46	ppb		99
90) 4-Chlorotoluene	11.08	91	3907	0.51	ppb		89
91) Tert-Butylbenzene	11.40	119	2437	0.52	ppb	#	82
92) 1,2,4-Trimethylbenzene	11.45	105	2738	0.60	ppb	#	67
93) Sec-Butylbenzene	11.62	105	4318	0.49	ppb		87
94) p-Isopropyltoluene	11.77	119	2965	0.74	ppb	#	71
95) Benzyl Chloride	11.95	91	1070	0.47	ppb	#	85
96) 1,3-DCB	11.71	146	2896	0.53	ppb		92
98) n-Butylbenzene	12.17	91	1421	1.24	ppb	#	64
99) 1,2-DCB	12.17	146	2634	0.49	ppb	#	87
100) Hexachloroethane	12.42	117	835	0.30	ppb		89
101) 1,2-Dibromo-3-chloropropan	12.95	75	115	1.44	ppb	#	28
102) 1,2,4-Trichlorobenzene	13.77	180	504	2.45	ppb	#	80
103) Hexachlorobutadiene	13.95	225	605	1.13	ppb		95
104) Naphthalene	14.01	128	763	1.15	ppb		95
105) 1,2,3-Trichlorobenzene	14.25	180	276	3.24	ppb	#	69

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

Quantitation Report

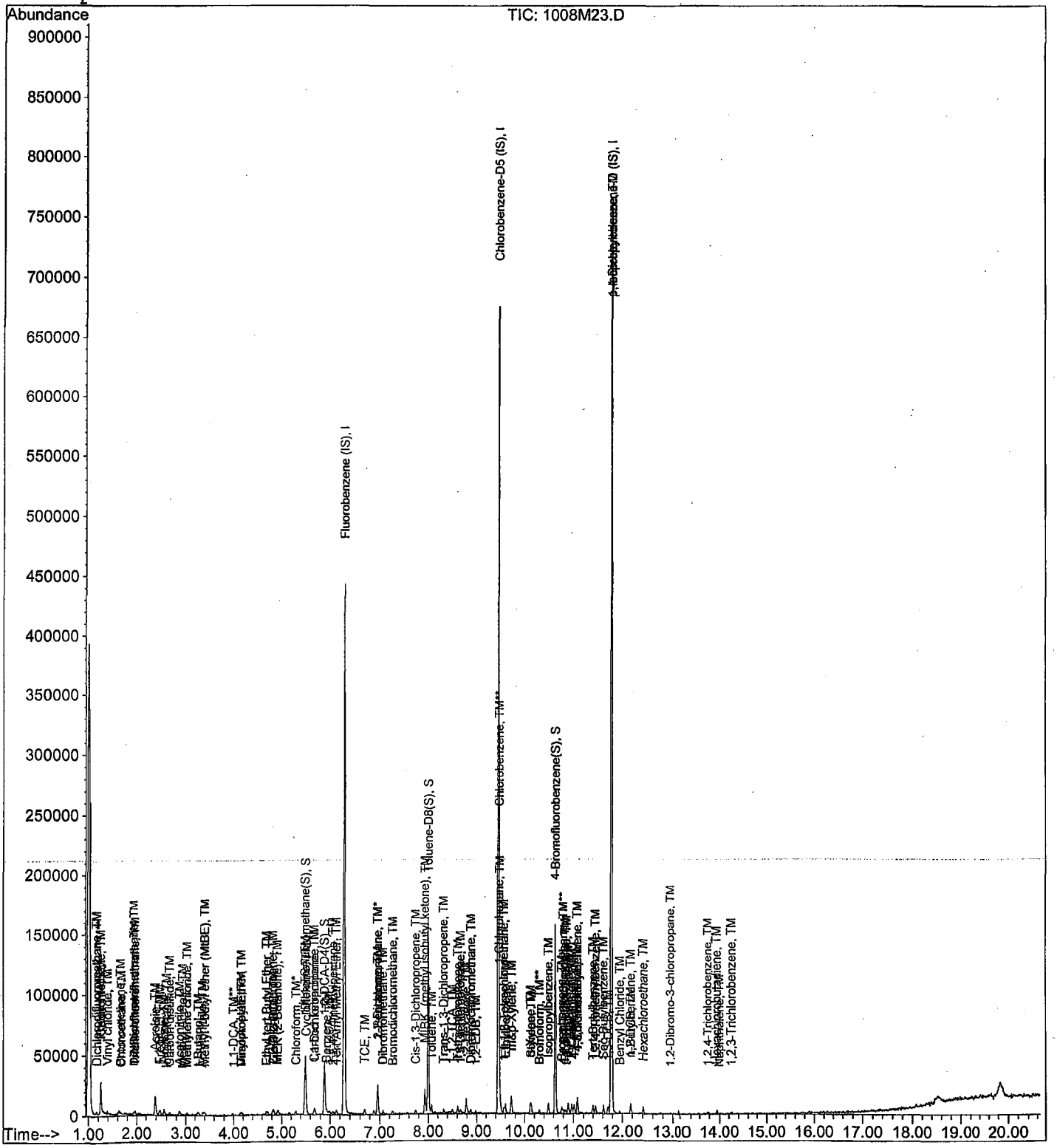
Data File : M:\MAX\DATA\211008\1008M23.D
Acq On : 8 Oct 21 17:11
Sample : 0.5ug/L VOC STD 10/8/21
Misc : IS&S 8/4/21

Vial: 3
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Oct 11 11:18 2021

Quant Results File: M1008W.RES

Method : M:\MAX\DATA\211008\M1008W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Mon Oct 11 11:16:12 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211008\1008M24.D Vial: 4
Acq On : 8 Oct 21 17:39 Operator: LP,DG,CH
Sample : 1ug/L VOC STD 10/8/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 11 11:18 2021 Quant Results File: M1008W.RES

Quant Method : M:\MAX\DATA\211008\M1008W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Mon Oct 11 11:16:12 2021
Response via : Initial Calibration
DataAcq Meth : M8260

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene (IS)	6.29	96	398213	25.00	ppb		0.00
65) Chlorobenzene-D5 (IS)	9.45	117	368705	25.00	ppb		0.00
80) 1,4-Dichlorobenzene-D (IS)	11.78	152	231241	25.00	ppb		0.00
System Monitoring Compounds							
41) Dibromofluoromethane(S)	5.50	111	45290	9.44	ppb		0.00
Spiked Amount 25.000			Recovery = 37.768%				
46) 1,2-DCA-D4(S)	5.89	65	31440	9.63	ppb		0.00
Spiked Amount 25.000			Recovery = 38.504%				
66) Toluene-D8(S)	8.00	98	159682	9.58	ppb		0.00
Spiked Amount 25.000			Recovery = 38.336%				
74) 4-Bromofluorobenzene(S)	10.63	95	65357	9.05	ppb		0.00
Spiked Amount 25.000			Recovery = 36.184%				
Target Compounds							Qvalue
3) Dichlorodifluoromethane	1.16	85	2322	1.16	ppb	#	83
4) Freon 114	1.27	85	2092	1.18	ppb	#	46
5) Chloromethane	1.30	50	1464	0.99	ppb		97
6) Vinyl chloride	1.40	62	1543	1.05	ppb		99
8) Bromomethane	1.65	94	906	0.76	ppb		91
9) Chloroethane	1.75	64	1649	1.96	ppb	#	87
10) Dichlorofluoromethane	1.94	67	2961	0.89	ppb		88
11) Trichlorofluoromethane	1.97	101	3895	1.03	ppb		99
13) Acrolein	2.38	56	20845	53.38	ppb		89
14) Acetone	2.56	43	8549	19.05	ppb		98
15) Freon-113	2.48	151	1747	0.99	ppb	#	91
16) Acetonitrile	2.87	41	5696	44.84	ppb		94
18) 1,2-Dichlorotrifluoroethan	1.94	67	2961	0.89	ppb		100
19) 1,1-DCE	2.46	61	2467	1.08	ppb		96
20) t-Butanol	3.27	59	6929	50.80	ppb	#	82
21) Methyl Acetate	2.93	43	905	1.12	ppb		99
22) Iodomethane	2.61	142	1265	2.27	ppb	#	71
23) Acrylonitrile	3.37	53	302	0.93	ppb	#	52
25) Methylene chloride	3.03	84	1959	1.19	ppb		90
26) Carbon disulfide	2.66	76	2496	1.12	ppb		95
27) Methyl t-butyl ether (MtBE	3.40	73	5437	1.02	ppb	#	91
28) Trans-1,2-DCE	3.37	96	1480	0.35	ppb	#	69
29) 3-Methylpentane	3.40	57	1091	0.78	ppb	#	93
31) Diisopropyl Ether	4.17	45	3873	1.04	ppb	#	79
32) 1,1-DCA	3.97	63	3089	1.13	ppb	#	86
33) Vinyl Acetate	4.16	43	1589	1.21	ppb	#	79
34) Ethyl tert Butyl Ether	4.71	59	5128	1.05	ppb	#	87

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

Data File : M:\MAX\DATA\211008\1008M24.D
Acq On : 8 Oct 21 17:39
Sample : 1ug/L VOC STD 10/8/21
Misc : IS&S 8/4/21

Vial: 4
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Oct 11 11:18 2021 Quant Results File: M1008W.RES

Quant Method : M:\MAX\DATA\211008\M1008W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Mon Oct 11 11:16:12 2021
Response via : Initial Calibration
DataAcq Meth : M8260

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
36)	MEK (2-Butanone)	4.92	43	11167	21.27	ppb		96
37)	Cis-1,2-DCE	4.85	96	2111	1.11	ppb		77
38)	2,2-Dichloropropane	4.82	77	3455	0.98	ppb	#	87
39)	Chloroform	5.30	83	3639	0.98	ppb		94
40)	Bromochloromethane	5.15	130	1578	0.57	ppb	#	85
42)	1,1,1-TCA	5.47	97	4025	1.03	ppb	#	70
43)	Cyclohexane	5.53	41	1444	1.20	ppb		78
44)	1,1-Dichloropropene	5.69	75	2461	1.12	ppb	#	73
45)	2,2,4-Trimethylpentane	6.06	57	4442	1.23	ppb	#	82
47)	Carbon Tetrachloride	5.68	117	3005	0.85	ppb	#	67
48)	Tert Amyl Methyl Ether	6.13	73	4970	1.03	ppb	#	94
49)	1,2-DCA	5.98	62	3905	1.15	ppb	#	61
50)	Benzene	5.93	78	5973	0.97	ppb	#	86
51)	TCE	6.70	95	2155	0.56	ppb	#	83
52)	2-Pentanone	6.96	43	44697	50.61	ppb		97
53)	1,2-Dichloropropane	6.94	63	678	0.80	ppb	#	70
54)	Bromodichloromethane	7.26	83	3323	1.15	ppb		91
55)	Methyl Cyclohexane	6.89	83	2802	0.41	ppb		81
56)	Dibromomethane	7.07	93	1336	1.22	ppb		87
57)	MIBK (methyl isobutyl ket	7.93	43	23293	19.37	ppb		94
58)	1-Bromo-2-chloroethane	7.57	144	479	1.16	ppb		88
60)	Cis-1,3-Dichloropropene	7.74	75	2366	0.86	ppb	#	69
61)	Toluene	8.07	91	7441	0.98	ppb		90
62)	Trans-1,3-Dichloropropene	8.32	75	2747	0.98	ppb		94
63)	1,1,2-TCA	8.51	83	1308	1.10	ppb	#	62
64)	2-Hexanone	8.78	43	16894	19.71	ppb	#	94
67)	1,2-EDB	8.99	107	1720	1.06	ppb	#	76
68)	Tetrachloroethene	8.62	164	1575	0.99	ppb	#	84
69)	1-Chlorohexane	9.49	91	1195	0.81	ppb		88
70)	1,1,1,2-Tetrachloroethane	9.57	131	2573	0.97	ppb		97
71)	m&p-Xylene	9.72	106	8054	2.00	ppb		99
72)	o-Xylene	10.11	106	4478	1.10	ppb		94
73)	Styrene	10.13	104	7014	1.05	ppb		96
75)	1,3-Dichloropropane	8.67	76	2374	0.95	ppb		98
76)	Dibromochloromethane	8.89	129	2415	0.96	ppb		78
77)	Chlorobenzene	9.48	112	6392	1.04	ppb		94
78)	Ethylbenzene	9.60	91	9390	1.01	ppb		99
79)	Bromoform	10.31	173	1897	0.90	ppb		93
81)	Isopropylbenzene	10.49	105	11150	1.11	ppb		96
82)	1,1,2,2-Tetrachloroethane	10.80	83	2000	1.19	ppb		96
83)	1,2,3-Trichloropropane	10.84	110	950	0.90	ppb		97
84)	t-1,4-Dichloro-2-Butene	10.86	53	310	0.69	ppb	#	64

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

Data File : M:\MAX\DATA\211008\1008M24.D
Acq On : 8 Oct 21 17:39
Sample : 1ug/L VOC STD 10/8/21
Misc : IS&S 8/4/21

Vial: 4
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Oct 11 11:18 2021 Quant Results File: M1008W.RES

Quant Method : M:\MAX\DATA\211008\M1008W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Mon Oct 11 11:16:12 2021
Response via : Initial Calibration
DataAcq Meth : M8260

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
85)	Bromobenzene	10.77	156	4071	1.18	ppb		80
86)	n-Propylbenzene	10.90	91	9816	0.98	ppb		91
87)	4-Ethyltoluene	11.02	105	8944	0.95	ppb		84
88)	2-Chlorotoluene	10.97	91	8497	1.08	ppb		97
89)	1,3,5-Trimethylbenzene	11.08	105	9102	1.06	ppb		98
90)	4-Chlorotoluene	11.08	91	8214	1.04	ppb		99
91)	Tert-Butylbenzene	11.40	119	4931	1.01	ppb		87
92)	1,2,4-Trimethylbenzene	11.45	105	7933	1.18	ppb		96
93)	Sec-Butylbenzene	11.62	105	8592	0.95	ppb		96
94)	p-Isopropyltoluene	11.77	119	7142	1.16	ppb	#	70
95)	Benzyl Chloride	11.95	91	2061	0.87	ppb	#	90
96)	1,3-DCB	11.71	146	5266	0.94	ppb		87
97)	1,4-DCB	11.81	146	6739	0.75	ppb		91
98)	n-Butylbenzene	12.17	91	3731	1.59	ppb		87
99)	1,2-DCB	12.17	146	5625	1.02	ppb		90
100)	Hexachloroethane	12.41	117	1433	0.68	ppb		87
101)	1,2-Dibromo-3-chloropropan	12.95	75	147	1.50	ppb	#	23
102)	1,2,4-Trichlorobenzene	13.77	180	751	2.54	ppb	#	76
103)	Hexachlorobutadiene	13.95	225	1371	1.42	ppb		90
104)	Naphthalene	14.01	128	1739	1.46	ppb	#	90
105)	1,2,3-Trichlorobenzene	14.25	180	745	3.38	ppb	#	20

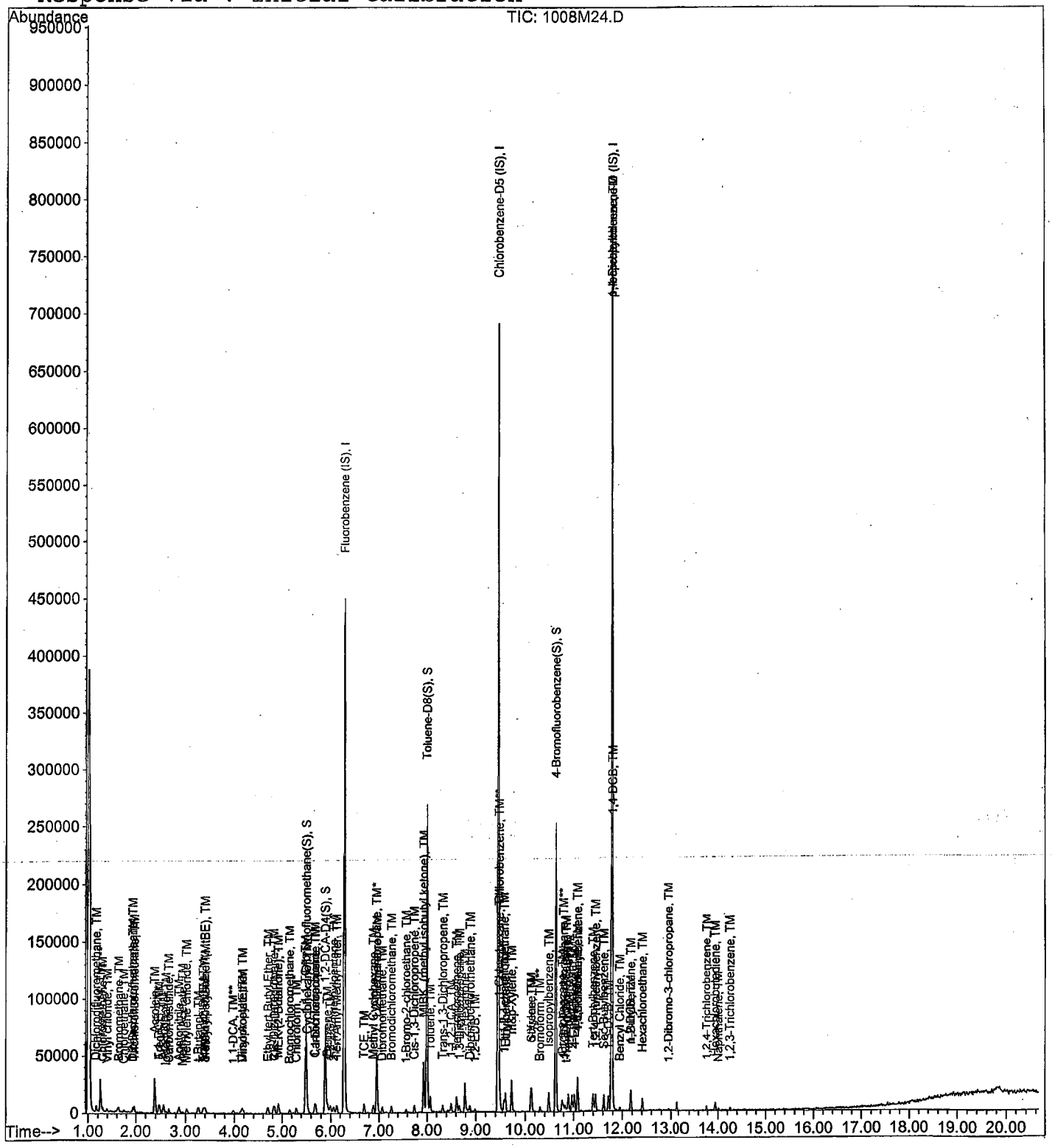
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\MAX\DATA\211008\1008M24.D Vial: 4
Acq On : 8 Oct 21 17:39 Operator: LP,DG,CH
Sample : 1ug/L VOC STD 10/8/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 11 11:18 2021 Quant Results File: M1008W.RES

Method : M:\MAX\DATA\211008\M1008W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Mon Oct 11 11:16:12 2021
Response via : Initial Calibration



1008M24.D M1008W.M Mon Oct 11 11:34:53 2021 Page 4

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211008\1008M25.D Vial: 5
Acq On : 8 Oct 21 18:07 Operator: LP,DG,CH
Sample : 2ug/L VOC STD 10/8/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 11 11:18 2021 Quant Results File: M1008W.RES

Quant Method : M:\MAX\DATA\211008\M1008W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Mon Oct 11 11:16:12 2021
Response via : Initial Calibration
DataAcq Meth : M8260

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
1) Fluorobenzene (IS)	6.28	96	386107	25.00 ppb		0.00
65) Chlorobenzene-D5 (IS)	9.45	117	354778	25.00 ppb		0.00
80) 1,4-Dichlorobenzene-D (IS)	11.78	152	228518	25.00 ppb		0.00
System Monitoring Compounds						
41) Dibromofluoromethane(S)	5.50	111	46044	9.90 ppb		0.00
Spiked Amount 25.000			Recovery =	39.604%		
46) 1,2-DCA-D4(S)	5.89	65	31112	9.82 ppb		0.00
Spiked Amount 25.000			Recovery =	39.296%		
66) Toluene-D8(S)	8.00	98	162284	10.12 ppb		0.00
Spiked Amount 25.000			Recovery =	40.488%		
74) 4-Bromofluorobenzene(S)	10.63	95	65467	9.42 ppb		0.00
Spiked Amount 25.000			Recovery =	37.664%		
Target Compounds						Qvalue
3) Dichlorodifluoromethane	1.17	85	5039	2.59 ppb		94
4) Freon 114	1.26	85	3535	2.06 ppb		88
5) Chloromethane	1.31	50	2390	1.81 ppb		92
6) Vinyl chloride	1.40	62	3025	2.12 ppb		90
8) Bromomethane	1.65	94	1550	1.47 ppb	#	78
9) Chloroethane	1.75	64	3229	3.63 ppb		99
10) Dichlorofluoromethane	1.94	67	7104	2.21 ppb		91
11) Trichlorofluoromethane	1.97	101	7586	2.08 ppb		89
13) Acrolein	2.38	56	29233	77.20 ppb		98
14) Acetone	2.56	43	13131	30.17 ppb		97
15) Freon-113	2.49	151	3801	2.22 ppb		96
16) Acetonitrile	2.87	41	9087	73.78 ppb	#	84
18) 1,2-Dichlorotrifluoroethan	1.94	67	7104	2.21 ppb		100
19) 1,1-DCE	2.46	61	4851	2.18 ppb		93
20) t-Butanol	3.27	59	11258	77.64 ppb	#	87
21) Methyl Acetate	2.93	43	1579	2.02 ppb		95
22) Iodomethane	2.61	142	2222	2.82 ppb	#	61
23) Acrylonitrile	3.37	53	982	2.47 ppb	#	62
25) Methylene chloride	3.02	84	3721	2.32 ppb		89
26) Carbon disulfide	2.66	76	4674	2.16 ppb		98
27) Methyl t-butyl ether (MtBE	3.40	73	11466	2.22 ppb		98
28) Trans-1,2-DCE	3.37	96	3434	1.70 ppb	#	56
29) 3-Methylpentane	3.40	57	2075	2.00 ppb		92
31) Diisopropyl Ether	4.17	45	7446	2.06 ppb		96
32) 1,1-DCA	3.99	63	5138	1.94 ppb	#	84
33) Vinyl Acetate	4.15	43	2534	1.99 ppb	#	70
34) Ethyl tert Butyl Ether	4.70	59	10327	2.17 ppb		98

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

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211008\1008M25.D Vial: 5
Acq On : 8 Oct 21 18:07 Operator: LP,DG,CH
Sample : 2ug/L VOC STD 10/8/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 11 11:18 2021 Quant Results File: M1008W.RES

Quant Method : M:\MAX\DATA\211008\M1008W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Mon Oct 11 11:16:12 2021
Response via : Initial Calibration
DataAcq Meth : M8260

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
36)	MEK (2-Butanone)	4.92	43	15603	30.65	ppb		94
37)	Cis-1,2-DCE	4.85	96	3848	2.08	ppb		91
38)	2,2-Dichloropropane	4.82	77	6961	2.04	ppb		93
39)	Chloroform	5.30	83	7352	2.05	ppb		100
40)	Bromochloromethane	5.15	130	2921	1.61	ppb		89
42)	1,1,1-TCA	5.48	97	7613	2.01	ppb		95
43)	Cyclohexane	5.53	41	2128	1.83	ppb		96
44)	1,1-Dichloropropene	5.69	75	4191	1.96	ppb		87
45)	2,2,4-Trimethylpentane	6.06	57	6619	1.89	ppb	#	64
47)	Carbon Tetrachloride	5.67	117	7223	2.11	ppb		93
48)	Tert Amyl Methyl Ether	6.13	73	10061	2.14	ppb	#	88
49)	1,2-DCA	5.98	62	7842	2.39	ppb		96
50)	Benzene	5.93	78	12258	2.05	ppb		93
51)	TCE	6.69	95	4562	1.96	ppb		76
52)	2-Pentanone	6.95	43	64861	75.74	ppb		96
53)	1,2-Dichloropropane	6.95	63	1344	1.89	ppb	#	76
54)	Bromodichloromethane	7.26	83	5499	1.96	ppb		93
55)	Methyl Cyclohexane	6.88	83	4825	1.37	ppb		93
56)	Dibromomethane	7.06	93	2147	2.02	ppb	#	52
57)	MIBK (methyl isobutyl ket	7.93	43	35582	30.52	ppb		92
58)	1-Bromo-2-chloroethane	7.58	144	767	1.91	ppb	#	38
60)	Cis-1,3-Dichloropropene	7.74	75	4678	1.76	ppb	#	83
61)	Toluene	8.07	91	15706	2.13	ppb		80
62)	Trans-1,3-Dichloropropene	8.33	75	6190	2.28	ppb		96
63)	1,1,2-TCA	8.50	83	2650	2.29	ppb		82
64)	2-Hexanone	8.78	43	24507	29.49	ppb		96
67)	1,2-EDB	8.98	107	3023	1.93	ppb	#	71
68)	Tetrachloroethene	8.62	164	3147	2.05	ppb		92
69)	1-Chlorohexane	9.48	91	2966	2.08	ppb		97
70)	1,1,1,2-Tetrachloroethane	9.57	131	5311	2.07	ppb		94
71)	m&p-Xylene	9.72	106	15716	4.06	ppb		97
72)	o-Xylene	10.11	106	8362	2.13	ppb		99
73)	Styrene	10.14	104	12098	1.89	ppb		99
75)	1,3-Dichloropropane	8.66	76	5433	2.26	ppb		90
76)	Dibromochloromethane	8.88	129	5020	2.07	ppb		89
77)	Chlorobenzene	9.48	112	12459	2.11	ppb		97
78)	Ethylbenzene	9.60	91	18436	2.06	ppb		97
79)	Bromoform	10.31	173	4095	2.02	ppb		96
81)	Isopropylbenzene	10.49	105	20690	2.08	ppb		95
82)	1,1,2,2-Tetrachloroethane	10.80	83	3521	2.12	ppb	#	91
83)	1,2,3-Trichloropropane	10.83	110	1462	1.57	ppb		93
84)	t-1,4-Dichloro-2-Butene	10.86	53	890	1.82	ppb	#	58

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

Data File : M:\MAX\DATA\211008\1008M25.D Vial: 5
Acq On : 8 Oct 21 18:07 Operator: LP,DG,CH
Sample : 2ug/L VOC STD 10/8/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 11 11:18 2021 Quant Results File: M1008W.RES

Quant Method : M:\MAX\DATA\211008\M1008W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Mon Oct 11 11:16:12 2021
Response via : Initial Calibration
DataAcq Meth : M8260

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
85)	Bromobenzene	10.77	156	7854	2.31	ppb		97
86)	n-Propylbenzene	10.90	91	22066	2.22	ppb		99
87)	4-Ethyltoluene	11.02	105	19243	2.06	ppb		95
88)	2-Chlorotoluene	10.97	91	16763	2.16	ppb		100
89)	1,3,5-Trimethylbenzene	11.08	105	19171	2.25	ppb		96
90)	4-Chlorotoluene	11.08	91	17153	2.19	ppb		97
91)	Tert-Butylbenzene	11.40	119	9913	2.06	ppb		94
92)	1,2,4-Trimethylbenzene	11.45	105	15301	2.04	ppb		98
93)	Sec-Butylbenzene	11.62	105	18134	2.03	ppb		91
94)	p-Isopropyltoluene	11.77	119	15721	2.07	ppb		88
95)	Benzyl Chloride	11.95	91	4517	1.93	ppb		96
96)	1,3-DCB	11.71	146	11705	2.11	ppb		98
97)	1,4-DCB	11.80	146	11245	1.61	ppb	#	74
98)	n-Butylbenzene	12.17	91	7449	2.18	ppb		97
99)	1,2-DCB	12.17	146	11709	2.14	ppb	#	88
100)	Hexachloroethane	12.42	117	3165	1.87	ppb		94
101)	1,2-Dibromo-3-chloropropan	12.94	75	835	2.93	ppb	#	39
102)	1,2,4-Trichlorobenzene	13.77	180	1952	3.01	ppb		95
103)	Hexachlorobutadiene	13.95	225	3784	2.38	ppb	#	68
104)	Naphthalene	14.01	128	3822	2.15	ppb	#	85
105)	1,2,3-Trichlorobenzene	14.25	180	2178	3.83	ppb		90

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

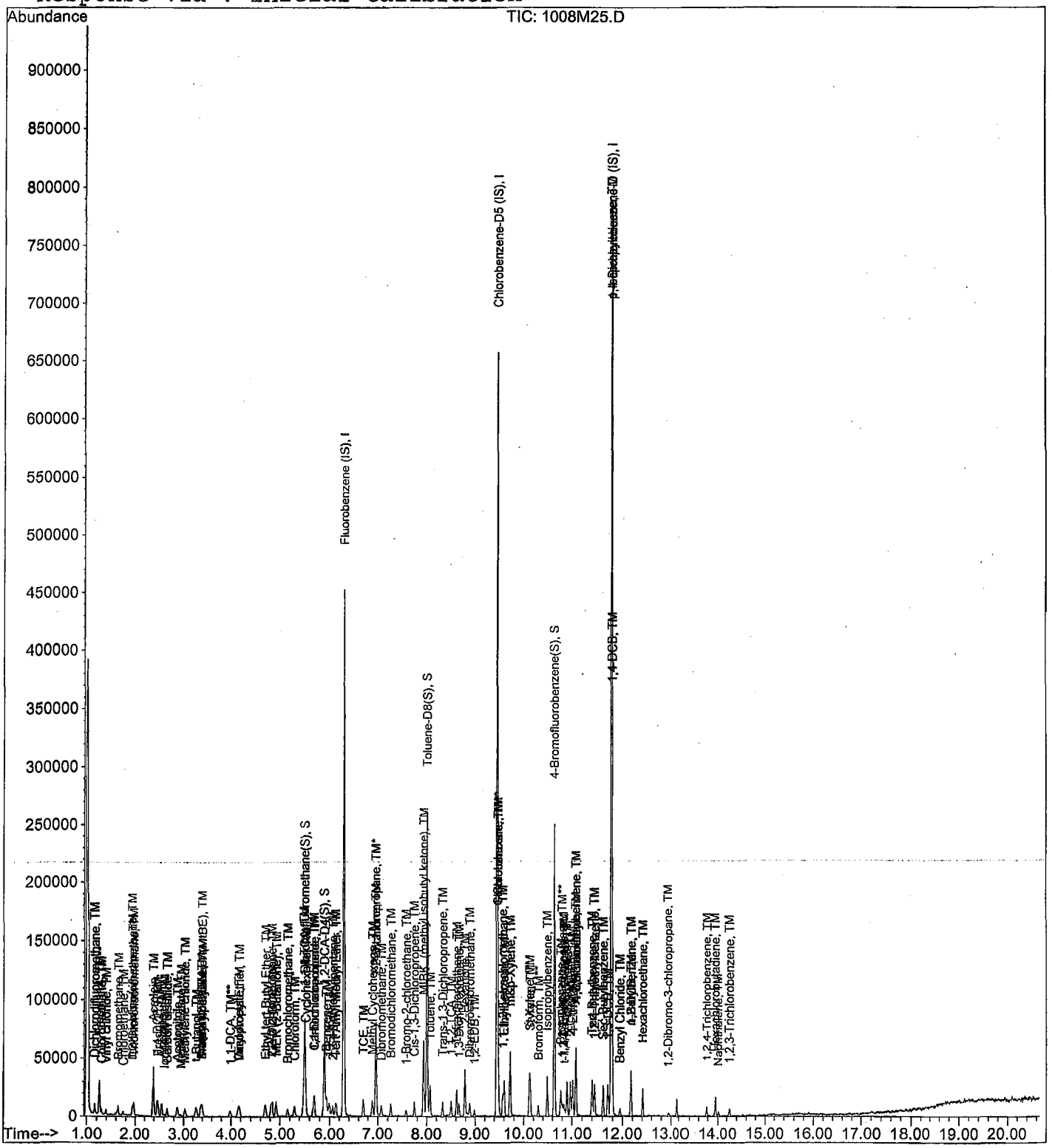
Quantitation Report

Data File : M:\MAX\DATA\211008\1008M25.D
Acq On : 8 Oct 21 18:07
Sample : 2ug/L VOC STD 10/8/21
Misc : IS&S 8/4/21

Vial: 5
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Oct 11 11:18 2021 Quant Results File: M1008W.RES

Method : M:\MAX\DATA\211008\M1008W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Mon Oct 11 11:16:12 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211008\1008M26.D Vial: 6
Acq On : 8 Oct 21 18:35 Operator: LP,DG,CH
Sample : 5ug/L VOC STD 10/8/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 11 11:18 2021 Quant Results File: M1008W.RES

Quant Method : M:\MAX\DATA\211008\M1008W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Mon Oct 11 11:16:12 2021
Response via : Initial Calibration
DataAcq Meth : M8260

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene (IS)	6.29	96	383546	25.00	ppb		0.00
65) Chlorobenzene-D5 (IS)	9.45	117	361219	25.00	ppb		0.00
80) 1,4-Dichlorobenzene-D (IS)	11.78	152	244991	25.00	ppb		0.00
System Monitoring Compounds							
41) Dibromofluoromethane(S)	5.50	111	118005	25.54	ppb		0.00
Spiked Amount 25.000			Recovery = 102.172%				
46) 1,2-DCA-D4(S)	5.89	65	78416	24.93	ppb		0.00
Spiked Amount 25.000			Recovery = 99.704%				
66) Toluene-D8(S)	8.00	98	403528	24.72	ppb		0.00
Spiked Amount 25.000			Recovery = 98.884%				
74) 4-Bromofluorobenzene(S)	10.63	95	176333	24.91	ppb		0.00
Spiked Amount 25.000			Recovery = 99.644%				
Target Compounds							Qvalue
3) Dichlorodifluoromethane	1.17	85	8357	4.32	ppb		94
4) Freon 114	1.26	85	8677	5.09	ppb		79
5) Chloromethane	1.30	50	5610	4.58	ppb		99
6) Vinyl chloride	1.39	62	6108	4.32	ppb		100
8) Bromomethane	1.65	94	4765	4.90	ppb		99
9) Chloroethane	1.74	64	4649	5.12	ppb	#	83
10) Dichlorofluoromethane	1.94	67	15335	4.80	ppb		99
11) Trichlorofluoromethane	1.97	101	16692	4.60	ppb		96
13) Acrolein	2.38	56	41391	110.04	ppb		98
14) Acetone	2.55	43	17198	39.78	ppb		97
15) Freon-113	2.48	151	7218	4.24	ppb		94
16) Acetonitrile	2.87	41	12831	104.87	ppb		94
18) 1,2-Dichlorotrifluoroethan	1.94	67	15335	4.80	ppb		100
19) 1,1-DCE	2.46	61	9757	4.42	ppb	#	88
20) t-Butanol	3.27	59	16283	102.48	ppb		99
21) Methyl Acetate	2.94	43	3451	4.44	ppb		98
22) Iodomethane	2.61	142	4705	4.22	ppb		92
23) Acrylonitrile	3.37	53	1683	4.07	ppb		99
25) Methylene chloride	3.03	84	7235	4.55	ppb		89
26) Carbon disulfide	2.66	76	8580	3.99	ppb		97
27) Methyl t-butyl ether (MtBE	3.40	73	23291	4.53	ppb		98
28) Trans-1,2-DCE	3.37	96	7372	4.38	ppb		81
29) 3-Methylpentane	3.40	57	3830	4.13	ppb		98
31) Diisopropyl Ether	4.17	45	16292	4.55	ppb		93
32) 1,1-DCA	3.98	63	11697	4.45	ppb		90
33) Vinyl Acetate	4.15	43	6751	5.33	ppb	#	83
34) Ethyl tert Butyl Ether	4.70	59	21565	4.57	ppb		89

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

Data File : M:\MAX\DATA\211008\1008M26.D Vial: 6
Acq On : 8 Oct 21 18:35 Operator: LP,DG,CH
Sample : 5ug/L VOC STD 10/8/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 11 11:18 2021 Quant Results File: M1008W.RES

Quant Method : M:\MAX\DATA\211008\M1008W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Mon Oct 11 11:16:12 2021
Response via : Initial Calibration
DataAcq Meth : M8260

Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
36) MEK (2-Butanone)	4.92	43	19818	39.19	ppb		100
37) Cis-1,2-DCE	4.85	96	7990	4.36	ppb		88
38) 2,2-Dichloropropane	4.83	77	14573	4.30	ppb		98
39) Chloroform	5.30	83	16173	4.54	ppb		98
40) Bromochloromethane	5.15	130	6276	4.14	ppb		87
42) 1,1,1-TCA	5.48	97	17925	4.78	ppb		90
43) Cyclohexane	5.53	41	5201	4.50	ppb		93
44) 1,1-Dichloropropene	5.70	75	9731	4.58	ppb		96
45) 2,2,4-Trimethylpentane	6.06	57	14694	4.22	ppb		98
47) Carbon Tetrachloride	5.68	117	16049	4.73	ppb		96
48) Tert Amyl Methyl Ether	6.13	73	22704	4.87	ppb		97
49) 1,2-DCA	5.98	62	15613	4.78	ppb		100
50) Benzene	5.93	78	27744	4.66	ppb		96
51) TCE	6.70	95	8241	4.06	ppb		91
52) 2-Pentanone	6.96	43	86544	101.74	ppb		100
53) 1,2-Dichloropropane	6.95	63	2682	4.02	ppb		96
54) Bromodichloromethane	7.27	83	11969	4.30	ppb		90
55) Methyl Cyclohexane	6.88	83	10867	4.14	ppb		92
56) Dibromomethane	7.07	93	4930	4.66	ppb		78
57) MIBK (methyl isobutyl ket	7.93	43	45212	39.04	ppb		93
58) 1-Bromo-2-chloroethane	7.57	144	1840	4.62	ppb	#	66
60) Cis-1,3-Dichloropropene	7.74	75	12226	4.64	ppb		98
61) Toluene	8.07	91	34400	4.69	ppb		95
62) Trans-1,3-Dichloropropene	8.32	75	11978	4.44	ppb		90
63) 1,1,2-TCA	8.50	83	4872	4.25	ppb		83
64) 2-Hexanone	8.78	43	31763	38.48	ppb		98
67) 1,2-EDB	8.99	107	7218	4.53	ppb		92
68) Tetrachloroethene	8.62	164	6982	4.47	ppb		97
69) 1-Chlorohexane	9.49	91	6613	4.55	ppb		94
70) 1,1,1,2-Tetrachloroethane	9.58	131	12548	4.81	ppb		94
71) m&p-Xylene	9.73	106	35986	9.13	ppb		88
72) o-Xylene	10.11	106	18941	4.74	ppb		84
73) Styrene	10.13	104	29229	4.48	ppb		99
75) 1,3-Dichloropropane	8.66	76	10608	4.34	ppb	#	80
76) Dibromochloromethane	8.89	129	10849	4.39	ppb		98
77) Chlorobenzene	9.48	112	26319	4.37	ppb		93
78) Ethylbenzene	9.60	91	43515	4.78	ppb		97
79) Bromoform	10.30	173	9112	4.42	ppb		95
81) Isopropylbenzene	10.49	105	48397	4.54	ppb		98
82) 1,1,2,2-Tetrachloroethane	10.80	83	8014	4.51	ppb		96
83) 1,2,3-Trichloropropane	10.83	110	3921	4.39	ppb		87
84) t-1,4-Dichloro-2-Butene	10.86	53	2340	4.33	ppb		76

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

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211008\1008M26.D Vial: 6
Acq On : 8 Oct 21 18:35 Operator: LP,DG,CH
Sample : 5ug/L VOC STD 10/8/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 11 11:18 2021 Quant Results File: M1008W.RES

Quant Method : M:\MAX\DATA\211008\M1008W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Mon Oct 11 11:16:12 2021
Response via : Initial Calibration
DataAcq Meth : M8260

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
85)	Bromobenzene	10.77	156	15335	4.20	ppb		94
86)	n-Propylbenzene	10.90	91	47597	4.47	ppb		97
87)	4-Ethyltoluene	11.01	105	44209	4.41	ppb		97
88)	2-Chlorotoluene	10.97	91	38556	4.64	ppb		98
89)	1,3,5-Trimethylbenzene	11.08	105	41603	4.56	ppb		98
90)	4-Chlorotoluene	11.08	91	37878	4.52	ppb		100
91)	Tert-Butylbenzene	11.40	119	22632	4.38	ppb		95
92)	1,2,4-Trimethylbenzene	11.45	105	37273	4.29	ppb		94
93)	Sec-Butylbenzene	11.62	105	43331	4.52	ppb		96
94)	p-Isopropyltoluene	11.77	119	39503	4.28	ppb	#	93
95)	Benzyl Chloride	11.95	91	11763	4.69	ppb	#	88
96)	1,3-DCB	11.71	146	26646	4.48	ppb		97
97)	1,4-DCB	11.80	146	26373	4.12	ppb		94
98)	n-Butylbenzene	12.18	91	21072	4.09	ppb		87
99)	1,2-DCB	12.17	146	25495	4.36	ppb		94
100)	Hexachloroethane	12.42	117	7617	4.54	ppb		77
101)	1,2-Dibromo-3-chloropropan	12.95	75	1869	4.81	ppb	#	70
102)	1,2,4-Trichlorobenzene	13.77	180	6020	4.45	ppb		97
103)	Hexachlorobutadiene	13.95	225	8715	4.10	ppb		96
104)	Naphthalene	14.01	128	10521	4.07	ppb	#	89
105)	1,2,3-Trichlorobenzene	14.25	180	6683	5.07	ppb	#	86

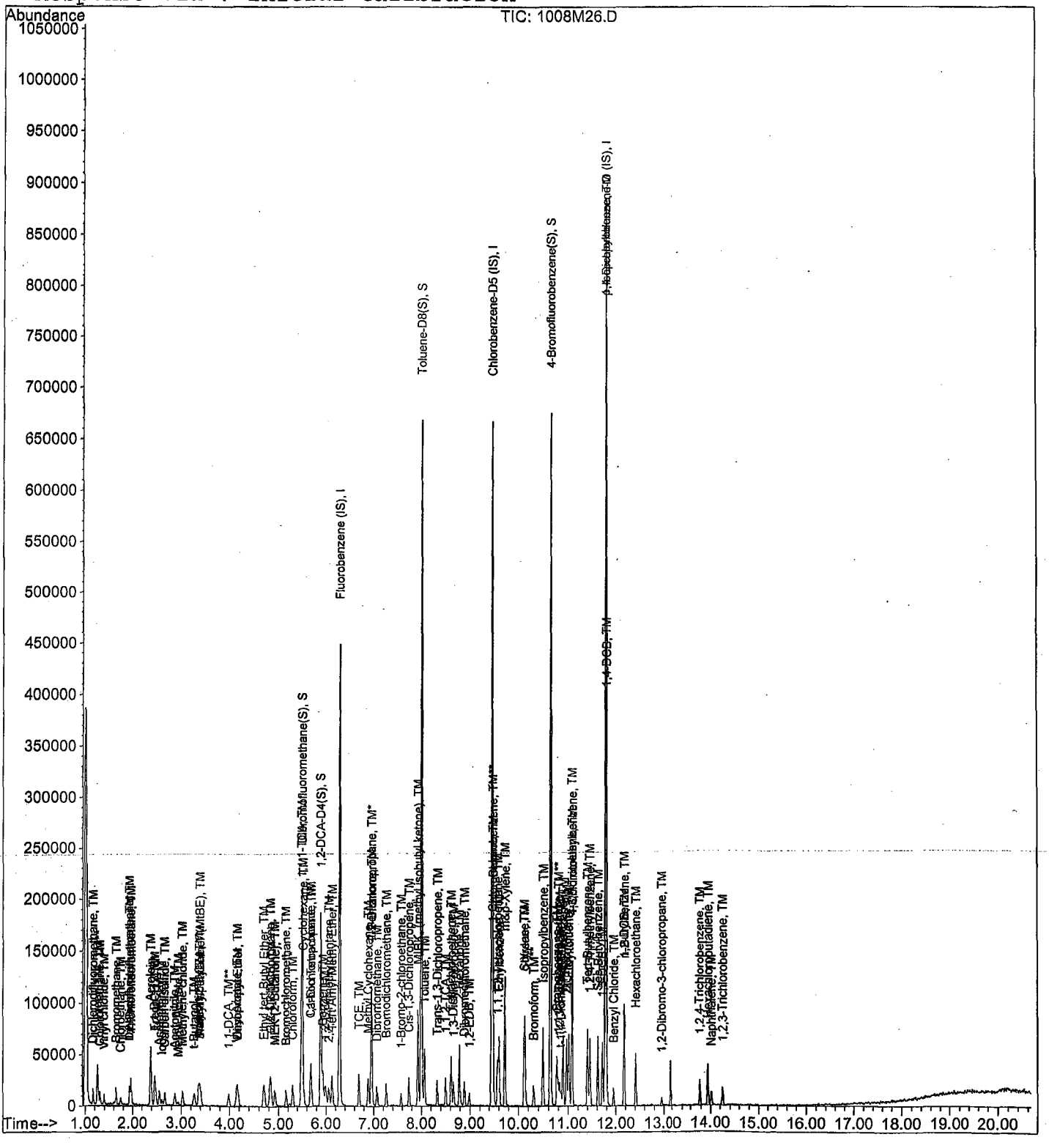
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\MAX\DATA\211008\1008M26.D Vial: 6
Acq On : 8 Oct 21 18:35 Operator: LP,DG,CH
Sample : 5ug/L VOC STD 10/8/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 11 11:18 2021 Quant Results File: M1008W.RES

Method : M:\MAX\DATA\211008\M1008W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Mon Oct 11 11:16:12 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211008\1008M27.D Vial: 7
Acq On : 8 Oct 21 19:03 Operator: LP,DG,CH
Sample : 10ug/L VOC STD 10/8/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 11 11:18 2021 Quant Results File: M1008W.RES

Quant Method : M:\MAX\DATA\211008\M1008W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Mon Oct 11 11:16:12 2021
Response via : Initial Calibration
DataAcq Meth : M8260

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	6.29	96	388138	25.00 ppb	0.00
65) Chlorobenzene-D5 (IS)	9.45	117	360841	25.00 ppb	0.00
80) 1,4-Dichlorobenzene-D (IS)	11.78	152	248637	25.00 ppb	0.00
System Monitoring Compounds					
41) Dibromofluoromethane(S)	5.50	111	118191	25.28 ppb	0.00
Spiked Amount 25.000			Recovery =	101.124%	
46) 1,2-DCA-D4(S)	5.89	65	80824	25.39 ppb	0.00
Spiked Amount 25.000			Recovery =	101.552%	
66) Toluene-D8(S)	8.00	98	402054	24.66 ppb	0.00
Spiked Amount 25.000			Recovery =	98.628%	
74) 4-Bromofluorobenzene(S)	10.63	95	176083	24.90 ppb	0.00
Spiked Amount 25.000			Recovery =	99.604%	
Target Compounds					Qvalue
3) Dichlorodifluoromethane	1.17	85	19032	9.72 ppb	100
4) Freon 114	1.26	85	16884	9.80 ppb	100
5) Chloromethane	1.30	50	12839	10.64 ppb	100
6) Vinyl chloride	1.39	62	16130	11.26 ppb	100
8) Bromomethane	1.65	94	9913	10.25 ppb	100
9) Chloroethane	1.74	64	8599	9.10 ppb	100
10) Dichlorofluoromethane	1.94	67	32434	10.03 ppb	100
11) Trichlorofluoromethane	1.96	101	41766	11.38 ppb	100
13) Acrolein	2.39	56	49450	129.91 ppb	100
14) Acetone	2.56	43	22429	51.27 ppb	100
15) Freon-113	2.48	151	17196	9.98 ppb	100
16) Acetonitrile	2.87	41	14117	114.01 ppb	100
18) 1,2-Dichlorotrifluoroethan	1.94	67	32434	10.03 ppb	100
19) 1,1-DCE	2.46	61	23937	10.72 ppb	100
20) t-Butanol	3.27	59	21433	123.05 ppb	100
21) Methyl Acetate	2.94	43	7587	9.64 ppb	100
22) Iodomethane	2.61	142	12817	8.66 ppb	100
23) Acrylonitrile	3.37	53	4469	10.25 ppb	100
25) Methylene chloride	3.03	84	15834	9.84 ppb	100
26) Carbon disulfide	2.66	76	20688	9.51 ppb	100
27) Methyl t-butyl ether (MtBE	3.40	73	54078	10.40 ppb	100
28) Trans-1,2-DCE	3.37	96	15760	9.92 ppb	100
29) 3-Methylpentane	3.40	57	9342	10.65 ppb	100
31) Diisopropyl Ether	4.17	45	36745	10.14 ppb	100
32) 1,1-DCA	3.98	63	25823	9.71 ppb	100
33) Vinyl Acetate	4.15	43	11715	9.13 ppb	98
34) Ethyl tert Butyl Ether	4.70	59	48411	10.14 ppb	100

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

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211008\1008M27.D Vial: 7
Acq On : 8 Oct 21 19:03 Operator: LP,DG,CH
Sample : 10ug/L VOC STD 10/8/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 11 11:18 2021 Quant Results File: M1008W.RES

Quant Method : M:\MAX\DATA\211008\M1008W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Mon Oct 11 11:16:12 2021
Response via : Initial Calibration
DataAcq Meth : M8260

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
36)	MEK (2-Butanone)	4.92	43	25277	49.40 ppb	100
37)	Cis-1,2-DCE	4.85	96	19072	10.27 ppb	100
38)	2,2-Dichloropropane	4.82	77	32789	9.55 ppb	100
39)	Chloroform	5.30	83	34800	9.65 ppb	100
40)	Bromochloromethane	5.16	130	14183	9.95 ppb	100
42)	1,1,1-TCA	5.48	97	39982	10.53 ppb	100
43)	Cyclohexane	5.52	41	12051	10.30 ppb	100
44)	1,1-Dichloropropene	5.69	75	21913	10.19 ppb	100
45)	2,2,4-Trimethylpentane	6.06	57	33913	9.62 ppb	100
47)	Carbon Tetrachloride	5.68	117	36639	10.66 ppb	100
48)	Tert Amyl Methyl Ether	6.13	73	49161	10.41 ppb	100
49)	1,2-DCA	5.98	62	33663	10.19 ppb	100
50)	Benzene	5.94	78	59814	9.93 ppb	100
51)	TCE	6.70	95	18905	9.99 ppb	100
52)	2-Pentanone	6.96	43	113787	132.18 ppb	100
53)	1,2-Dichloropropane	6.94	63	7345	11.29 ppb	100
54)	Bromodichloromethane	7.26	83	27789	9.86 ppb	100
55)	Methyl Cyclohexane	6.88	83	24318	10.14 ppb	100
56)	Dibromomethane	7.07	93	10925	10.21 ppb	100
57)	MIBK (methyl isobutyl ket	7.93	43	60255	51.41 ppb	100
58)	1-Bromo-2-chloroethane	7.57	144	3986	9.89 ppb	100
60)	Cis-1,3-Dichloropropene	7.74	75	27456	10.29 ppb	100
61)	Toluene	8.07	91	76465	10.29 ppb	100
62)	Trans-1,3-Dichloropropene	8.33	75	27228	9.97 ppb	100
63)	1,1,2-TCA	8.50	83	10746	9.25 ppb	100
64)	2-Hexanone	8.78	43	42032	50.32 ppb	100
67)	1,2-EDB	8.99	107	16661	10.46 ppb	100
68)	Tetrachloroethene	8.62	164	15298	9.80 ppb	100
69)	1-Chlorohexane	9.49	91	15138	10.43 ppb	100
70)	1,1,1,2-Tetrachloroethane	9.58	131	25136	9.64 ppb	100
71)	m&p-Xylene	9.73	106	81857	20.78 ppb	100
72)	o-Xylene	10.12	106	40935	10.24 ppb	100
73)	Styrene	10.13	104	65950	10.12 ppb	100
75)	1,3-Dichloropropane	8.66	76	24206	9.91 ppb	100
76)	Dibromochloromethane	8.89	129	25554	10.35 ppb	100
77)	Chlorobenzene	9.48	112	58513	9.73 ppb	100
78)	Ethylbenzene	9.60	91	92088	10.13 ppb	100
79)	Bromoform	10.30	173	21838	10.60 ppb	100
81)	Isopropylbenzene	10.49	105	106520	9.86 ppb	100
82)	1,1,2,2-Tetrachloroethane	10.80	83	17573	9.75 ppb	100
83)	1,2,3-Trichloropropane	10.83	110	9083	10.43 ppb	100
84)	t-1,4-Dichloro-2-Butene	10.86	53	5751	10.33 ppb	100

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

Data File : M:\MAX\DATA\211008\1008M27.D Vial: 7
Acq On : 8 Oct 21 19:03 Operator: LP,DG,CH
Sample : 10ug/L VOC STD 10/8/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 11 11:18 2021 Quant Results File: M1008W.RES

Quant Method : M:\MAX\DATA\211008\M1008W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Mon Oct 11 11:16:12 2021
Response via : Initial Calibration
DataAcq Meth : M8260

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
85)	Bromobenzene	10.77	156	35120	9.49	ppb	100
86)	n-Propylbenzene	10.90	91	109484	10.13	ppb	100
87)	4-Ethyltoluene	11.02	105	107547	10.57	ppb	100
88)	2-Chlorotoluene	10.97	91	87330	10.35	ppb	100
89)	1,3,5-Trimethylbenzene	11.08	105	97766	10.57	ppb	100
90)	4-Chlorotoluene	11.08	91	88379	10.38	ppb	100
91)	Tert-Butylbenzene	11.40	119	54096	10.31	ppb	100
92)	1,2,4-Trimethylbenzene	11.45	105	92734	10.13	ppb	100
93)	Sec-Butylbenzene	11.62	105	102595	10.55	ppb	100
94)	p-Isopropyltoluene	11.77	119	98835	9.93	ppb	100
95)	Benzyl Chloride	11.95	91	27535	10.82	ppb	100
96)	1,3-DCB	11.71	146	61324	10.16	ppb	100
97)	1,4-DCB	11.80	146	63995	10.55	ppb	100
98)	n-Butylbenzene	12.17	91	53588	8.72	ppb	100
99)	1,2-DCB	12.17	146	60367	10.16	ppb	100
100)	Hexachloroethane	12.42	117	17261	10.49	ppb	100
101)	1,2-Dibromo-3-chloropropan	12.95	75	4292	9.37	ppb	100
102)	1,2,4-Trichlorobenzene	13.77	180	16792	8.31	ppb	100
103)	Hexachlorobutadiene	13.95	225	23118	9.29	ppb	100
104)	Naphthalene	14.01	128	27054	8.65	ppb	100
105)	1,2,3-Trichlorobenzene	14.25	180	18994	8.52	ppb	100

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

Quantitation Report

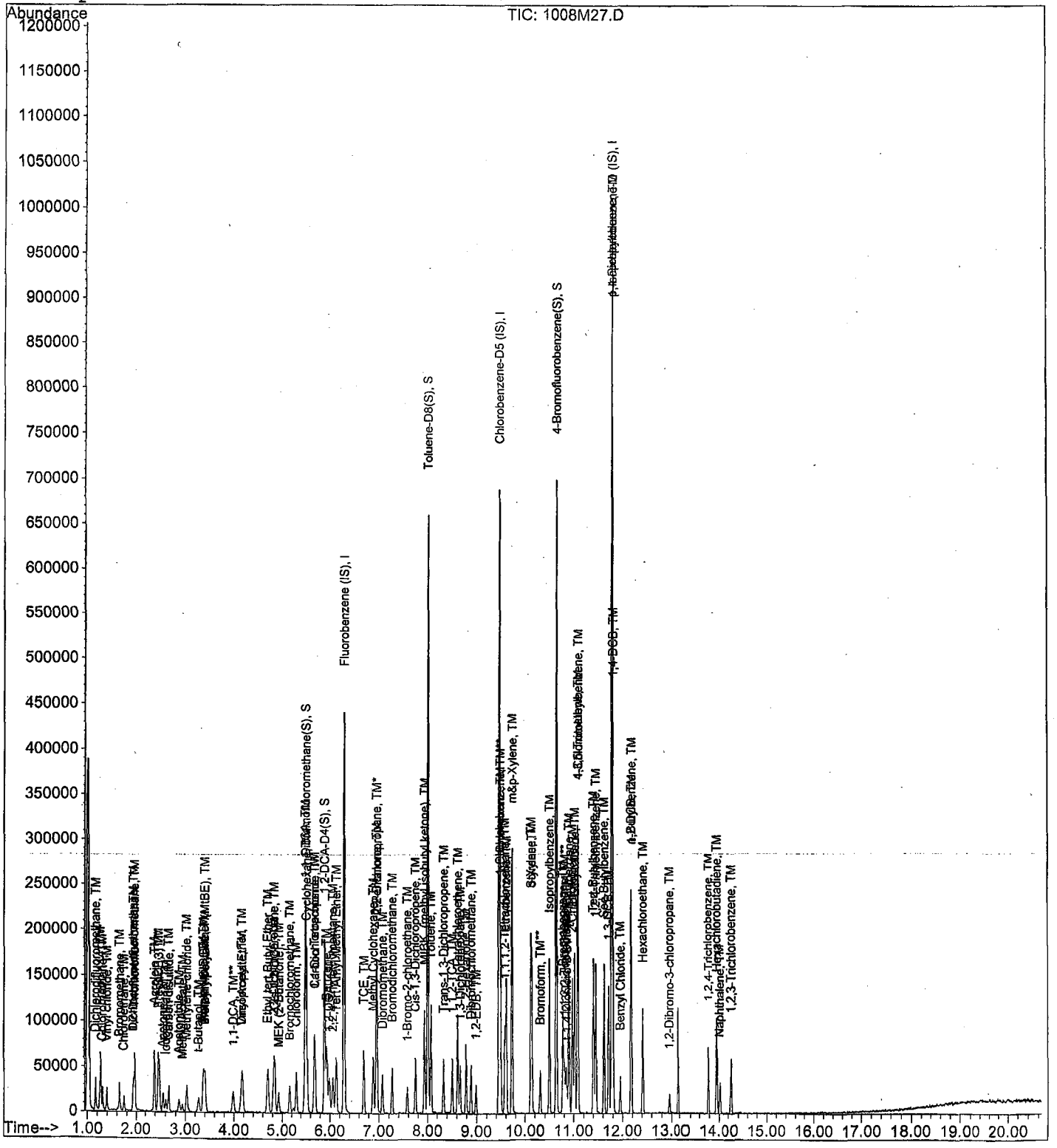
Data File : M:\MAX\DATA\211008\1008M27.D
Acq On : 8 Oct 21 19:03
Sample : 10ug/L VOC STD 10/8/21
Misc : IS&S 8/4/21

Vial: 7
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Oct 11 11:18 2021

Quant Results File: M1008W.RES

Method : M:\MAX\DATA\211008\M1008W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Mon Oct 11 11:16:12 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211008\1008M28.D Vial: 8
Acq On : 8 Oct 21 19:31 Operator: LP,DG,CH
Sample : 20ug/L VOC STD 10/8/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 11 11:18 2021 Quant Results File: M1008W.RES

Quant Method : M:\MAX\DATA\211008\M1008W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Mon Oct 11 11:16:12 2021
Response via : Initial Calibration
DataAcq Meth : M8260

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene (IS)	6.29	96	398005	25.00	ppb		0.00
65) Chlorobenzene-D5 (IS)	9.45	117	370167	25.00	ppb		0.00
80) 1,4-Dichlorobenzene-D (IS)	11.78	152	264410	25.00	ppb		0.00
System Monitoring Compounds							
41) Dibromofluoromethane(S)	5.50	111	232370	48.47	ppb		0.00
Spiked Amount 25.000			Recovery = 193.884%				
46) 1,2-DCA-D4(S)	5.89	65	156416	47.91	ppb		0.00
Spiked Amount 25.000			Recovery = 191.656%				
66) Toluene-D8(S)	8.00	98	794010	47.47	ppb		0.00
Spiked Amount 25.000			Recovery = 189.868%				
74) 4-Bromofluorobenzene(S)	10.63	95	356799	49.19	ppb		0.00
Spiked Amount 25.000			Recovery = 196.748%				
Target Compounds							Qvalue
3) Dichlorodifluoromethane	1.17	85	38384	19.13	ppb		96
4) Freon 114	1.26	85	36214	20.49	ppb		94
5) Chloromethane	1.30	50	25733	21.01	ppb		96
6) Vinyl chloride	1.39	62	30805	20.97	ppb		99
8) Bromomethane	1.65	94	20249	20.58	ppb		96
9) Chloroethane	1.74	64	19159	19.40	ppb		96
10) Dichlorofluoromethane	1.93	67	65698	19.82	ppb		93
11) Trichlorofluoromethane	1.96	101	82092	21.81	ppb		97
13) Acrolein	2.39	56	58665	150.30	ppb		96
14) Acetone	2.56	43	25131	56.02	ppb		97
15) Freon-113	2.48	151	35846	20.28	ppb		97
16) Acetonitrile	2.87	41	19266	151.74	ppb	#	90
18) 1,2-Dichlorotrifluoroethan	1.93	67	65698	19.81	ppb		100
19) 1,1-DCE	2.46	61	46614	20.36	ppb		95
20) t-Butanol	3.28	59	29759	150.55	ppb	#	90
21) Methyl Acetate	2.94	43	15363	19.03	ppb		96
22) Iodomethane	2.61	142	29307	17.34	ppb		96
23) Acrylonitrile	3.37	53	9019	19.92	ppb	#	92
25) Methylene chloride	3.02	84	33247	20.15	ppb		89
26) Carbon disulfide	2.66	76	43696	19.60	ppb		95
27) Methyl t-butyl ether (MtBE	3.40	73	110196	20.66	ppb		96
28) Trans-1,2-DCE	3.36	96	35425	22.48	ppb		89
29) 3-Methylpentane	3.41	57	18081	20.55	ppb		97
31) Diisopropyl Ether	4.16	45	75893	20.42	ppb		98
32) 1,1-DCA	3.98	63	54183	19.88	ppb		93
33) Vinyl Acetate	4.15	43	24404	18.55	ppb		99
34) Ethyl tert Butyl Ether	4.70	59	103608	21.16	ppb		98

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

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211008\1008M28.D Vial: 8
Acq On : 8 Oct 21 19:31 Operator: LP,DG,CH
Sample : 20ug/L VOC STD 10/8/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 11 11:18 2021 Quant Results File: M1008W.RES

Quant Method : M:\MAX\DATA\211008\M1008W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Mon Oct 11 11:16:12 2021
Response via : Initial Calibration
DataAcq Meth : M8260

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
36)	MEK (2-Butanone)	4.92	43	31870	60.74	ppb	92
37)	Cis-1,2-DCE	4.84	96	37602	19.76	ppb	89
38)	2,2-Dichloropropane	4.82	77	68888	19.57	ppb	99
39)	Chloroform	5.30	83	72367	19.58	ppb	96
40)	Bromochloromethane	5.16	130	30747	21.68	ppb	94
42)	1,1,1-TCA	5.48	97	83740	21.50	ppb	95
43)	Cyclohexane	5.52	41	23464	19.55	ppb	85
44)	1,1-Dichloropropene	5.69	75	44884	20.36	ppb	95
45)	2,2,4-Trimethylpentane	6.06	57	68984	19.08	ppb	97
47)	Carbon Tetrachloride	5.68	117	75400	21.40	ppb	96
48)	Tert Amyl Methyl Ether	6.13	73	99901	20.64	ppb	97
49)	1,2-DCA	5.98	62	69191	20.42	ppb	97
50)	Benzene	5.94	78	127256	20.61	ppb	94
51)	TCE	6.70	95	38932	20.68	ppb	88
52)	2-Pentanone	6.96	43	137708	156.00	ppb	92
53)	1,2-Dichloropropane	6.94	63	13974	21.15	ppb	100
54)	Bromodichloromethane	7.26	83	59260	20.51	ppb	85
55)	Methyl Cyclohexane	6.88	83	51197	21.68	ppb	93
56)	Dibromomethane	7.07	93	23273	21.21	ppb	97
57)	MIBK (methyl isobutyl ket	7.93	43	71954	59.87	ppb	95
58)	1-Bromo-2-chloroethane	7.57	144	8365	20.25	ppb	79
60)	Cis-1,3-Dichloropropene	7.74	75	56677	20.72	ppb	99
61)	Toluene	8.07	91	152596	20.03	ppb	98
62)	Trans-1,3-Dichloropropene	8.32	75	58543	20.90	ppb	95
63)	1,1,2-TCA	8.50	83	22432	18.84	ppb	95
64)	2-Hexanone	8.78	43	53564	62.53	ppb	96
67)	1,2-EDB	8.98	107	34952	21.39	ppb	100
68)	Tetrachloroethene	8.62	164	32112	20.05	ppb	96
69)	1-Chlorohexane	9.49	91	29808	20.02	ppb	96
70)	1,1,1,2-Tetrachloroethane	9.58	131	54995	20.55	ppb	96
71)	m&p-Xylene	9.73	106	164039	40.60	ppb	94
72)	o-Xylene	10.11	106	84991	20.73	ppb	90
73)	Styrene	10.13	104	136715	20.44	ppb	98
75)	1,3-Dichloropropane	8.66	76	49880	19.91	ppb	100
76)	Dibromochloromethane	8.89	129	51678	20.40	ppb	95
77)	Chlorobenzene	9.48	112	119982	19.45	ppb	99
78)	Ethylbenzene	9.60	91	191519	20.54	ppb	100
79)	Bromoform	10.30	173	44744	21.18	ppb	96
81)	Isopropylbenzene	10.49	105	222220	19.33	ppb	96
82)	1,1,2,2-Tetrachloroethane	10.80	83	36108	18.83	ppb	96
83)	1,2,3-Trichloropropane	10.83	110	19042	20.86	ppb	95
84)	t-1,4-Dichloro-2-Butene	10.86	53	11931	20.06	ppb	91

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

Data File : M:\MAX\DATA\211008\1008M28.D Vial: 8
Acq On : 8 Oct 21 19:31 Operator: LP,DG,CH
Sample : 20ug/L VOC STD 10/8/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 11 11:18 2021 Quant Results File: M1008W.RES

Quant Method : M:\MAX\DATA\211008\M1008W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Mon Oct 11 11:16:12 2021
Response via : Initial Calibration
DataAcq Meth : M8260

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
85)	Bromobenzene	10.77	156	73976	18.79	ppb		98
86)	n-Propylbenzene	10.90	91	233677	20.33	ppb		100
87)	4-Ethyltoluene	11.01	105	219181	20.26	ppb		97
88)	2-Chlorotoluene	10.97	91	150718	16.80	ppb		98
89)	1,3,5-Trimethylbenzene	11.08	105	197281	20.05	ppb		99
90)	4-Chlorotoluene	11.08	91	178650	19.74	ppb		96
91)	Tert-Butylbenzene	11.40	119	113664	20.37	ppb		98
92)	1,2,4-Trimethylbenzene	11.45	105	195740	19.83	ppb		100
93)	Sec-Butylbenzene	11.62	105	224912	21.75	ppb		98
94)	p-Isopropyltoluene	11.77	119	214082	19.78	ppb		92
95)	Benzyl Chloride	11.95	91	59213	21.88	ppb		93
96)	1,3-DCB	11.71	146	130462	20.33	ppb		97
97)	1,4-DCB	11.80	146	130988	20.77	ppb		96
98)	n-Butylbenzene	12.17	91	133308	19.04	ppb		97
99)	1,2-DCB	12.17	146	132138	20.91	ppb		100
100)	Hexachloroethane	12.42	117	35862	20.77	ppb		91
101)	1,2-Dibromo-3-chloropropan	12.95	75	9758	18.67	ppb	#	87
102)	1,2,4-Trichlorobenzene	13.77	180	41664	16.40	ppb		86
103)	Hexachlorobutadiene	13.95	225	54039	19.36	ppb		93
104)	Naphthalene	14.01	128	75435	19.68	ppb	#	93
105)	1,2,3-Trichlorobenzene	14.25	180	49474	16.30	ppb		96

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

Quantitation Report

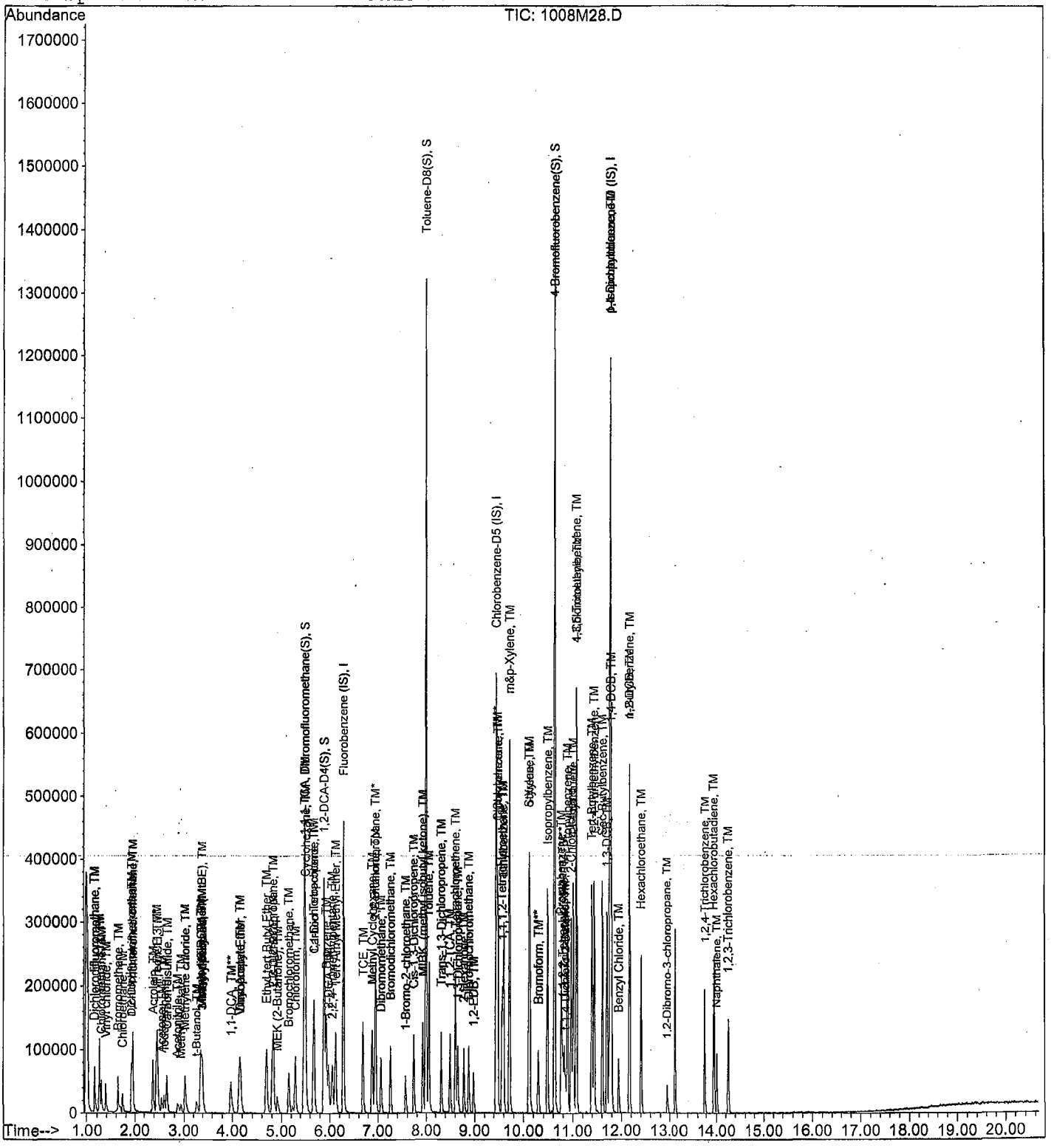
Data File : M:\MAX\DATA\211008\1008M28.D
Acq On : 8 Oct 21 19:31
Sample : 20ug/L VOC STD 10/8/21
Misc : IS&S 8/4/21

Vial: 8
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Oct 11 11:18 2021

Quant Results File: M1008W.RES

Method : M:\MAX\DATA\211008\M1008W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Mon Oct 11 11:16:12 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211008\1008M29.D Vial: 9
Acq On : 8 Oct 21 19:59 Operator: LP,DG,CH
Sample : 40ug/L VOC STD 10/8/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 11 11:18 2021 Quant Results File: M1008W.RES

Quant Method : M:\MAX\DATA\211008\M1008W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Mon Oct 11 11:16:12 2021
Response via : Initial Calibration
DataAcq Meth : M8260

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene (IS)	6.29	96	391306	25.00	ppb		0.00
65) Chlorobenzene-D5 (IS)	9.45	117	373477	25.00	ppb		0.00
80) 1,4-Dichlorobenzene-D (IS)	11.78	152	269114	25.00	ppb		0.00
System Monitoring Compounds							
41) Dibromofluoromethane(S)	5.50	111	225499	47.84	ppb		0.00
Spiked Amount 25.000			Recovery = 191.372%				
46) 1,2-DCA-D4(S)	5.89	65	155264	48.38	ppb		0.00
Spiked Amount 25.000			Recovery = 193.504%				
66) Toluene-D8(S)	8.00	98	777488	46.07	ppb		0.00
Spiked Amount 25.000			Recovery = 184.268%				
74) 4-Bromofluorobenzene(S)	10.63	95	356974	48.77	ppb		0.00
Spiked Amount 25.000			Recovery = 195.100%				
Target Compounds							Qvalue
3) Dichlorodifluoromethane	1.16	85	77216	39.14	ppb		96
4) Freon 114	1.26	85	71800	41.32	ppb		99
5) Chloromethane	1.30	50	46655	38.94	ppb		99
6) Vinyl chloride	1.39	62	57622	39.90	ppb		95
8) Bromomethane	1.65	94	38948	40.43	ppb		97
9) Chloroethane	1.73	64	34458	35.22	ppb	#	88
10) Dichlorofluoromethane	1.93	67	132058	40.52	ppb		96
11) Trichlorofluoromethane	1.96	101	154363	41.72	ppb		92
13) Acrolein	2.39	56	67183	175.07	ppb		98
14) Acetone	2.56	43	36458	82.66	ppb		92
15) Freon-113	2.47	151	69742	40.13	ppb		98
16) Acetonitrile	2.87	41	22444	179.80	ppb		93
18) 1,2-Dichlorotrifluoroethan	1.93	67	132058	40.51	ppb		100
19) 1,1-DCE	2.46	61	92854	41.26	ppb		94
20) t-Butanol	3.28	59	35109	169.29	ppb	#	91
21) Methyl Acetate	2.94	43	30150	37.99	ppb		97
22) Iodomethane	2.61	142	67583	38.54	ppb		99
23) Acrylonitrile	3.37	53	18270	40.76	ppb		92
25) Methylene chloride	3.02	84	64456	39.73	ppb		90
26) Carbon disulfide	2.66	76	81896	37.36	ppb		95
27) Methyl t-butyl ether (MtBE	3.40	73	214308	40.86	ppb		99
28) Trans-1,2-DCE	3.37	96	64425	42.10	ppb		95
29) 3-Methylpentane	3.40	57	35842	41.93	ppb		99
31) Diisopropyl Ether	4.17	45	150150	41.08	ppb		95
32) 1,1-DCA	3.99	63	104316	38.92	ppb		92
33) Vinyl Acetate	4.15	43	39151	30.27	ppb		97
34) Ethyl tert Butyl Ether	4.70	59	199149	41.37	ppb		98

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

Data File : M:\MAX\DATA\211008\1008M29.D Vial: 9
Acq On : 8 Oct 21 19:59 Operator: LP,DG,CH
Sample : 40ug/L VOC STD 10/8/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 11 11:18 2021 Quant Results File: M1008W.RES

Quant Method : M:\MAX\DATA\211008\M1008W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Mon Oct 11 11:16:12 2021
Response via : Initial Calibration
DataAcq Meth : M8260

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
36)	MEK (2-Butanone)	4.92	43	41422	80.30	ppb	99
37)	Cis-1,2-DCE	4.84	96	73069	39.05	ppb	92
38)	2,2-Dichloropropane	4.82	77	134792	38.94	ppb	98
39)	Chloroform	5.30	83	143349	39.44	ppb	96
40)	Bromochloromethane	5.16	130	59067	42.90	ppb	94
42)	1,1,1-TCA	5.48	97	161715	42.23	ppb	93
43)	Cyclohexane	5.52	41	48571	41.17	ppb	94
44)	1,1-Dichloropropene	5.69	75	86670	39.98	ppb	97
45)	2,2,4-Trimethylpentane	6.06	57	135103	38.01	ppb	90
47)	Carbon Tetrachloride	5.68	117	147358	42.53	ppb	98
48)	Tert Amyl Methyl Ether	6.13	73	200650	42.16	ppb	96
49)	1,2-DCA	5.98	62	131749	39.54	ppb	100
50)	Benzene	5.94	78	243790	40.16	ppb	95
51)	TCE	6.70	95	78475	43.03	ppb	90
52)	2-Pentanone	6.96	43	160189	184.58	ppb	99
53)	1,2-Dichloropropane	6.94	63	25240	39.05	ppb	97
54)	Bromodichloromethane	7.26	83	113527	39.97	ppb	93
55)	Methyl Cyclohexane	6.89	83	98912	43.40	ppb	87
56)	Dibromomethane	7.07	93	44906	41.63	ppb	98
57)	MIBK (methyl isobutyl ket	7.93	43	96528	81.69	ppb	99
58)	1-Bromo-2-chloroethane	7.57	144	16512	40.65	ppb	78
60)	Cis-1,3-Dichloropropene	7.74	75	109499	40.71	ppb	99
61)	Toluene	8.07	91	297002	39.65	ppb	99
62)	Trans-1,3-Dichloropropene	8.33	75	116520	42.31	ppb	93
63)	1,1,2-TCA	8.50	83	44858	38.32	ppb	90
64)	2-Hexanone	8.78	43	68937	81.86	ppb	97
67)	1,2-EDB	8.98	107	68502	41.56	ppb	98
68)	Tetrachloroethene	8.62	164	60904	37.68	ppb	97
69)	1-Chlorohexane	9.49	91	59472	39.58	ppb	96
70)	1,1,1,2-Tetrachloroethane	9.58	131	107164	39.69	ppb	96
71)	m&p-Xylene	9.73	106	323100	79.25	ppb	94
72)	o-Xylene	10.11	106	166512	40.26	ppb	99
73)	Styrene	10.13	104	270488	40.09	ppb	97
75)	1,3-Dichloropropane	8.66	76	99179	39.24	ppb	97
76)	Dibromochloromethane	8.89	129	101784	39.83	ppb	98
77)	Chlorobenzene	9.48	112	231847	37.26	ppb	99
78)	Ethylbenzene	9.61	91	379741	40.37	ppb	98
79)	Bromoform	10.30	173	92013	43.16	ppb	93
81)	Isopropylbenzene	10.49	105	441765	37.76	ppb	99
82)	1,1,2,2-Tetrachloroethane	10.80	83	70677	36.21	ppb	97
83)	1,2,3-Trichloropropane	10.83	110	37955	41.14	ppb	92
84)	t-1,4-Dichloro-2-Butene	10.86	53	24873	40.99	ppb	97

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

Data File : M:\MAX\DATA\211008\1008M29.D Vial: 9
Acq On : 8 Oct 21 19:59 Operator: LP,DG,CH
Sample : 40ug/L VOC STD 10/8/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 11 11:18 2021 Quant Results File: M1008W.RES

Quant Method : M:\MAX\DATA\211008\M1008W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Mon Oct 11 11:16:12 2021
Response via : Initial Calibration
DataAcq Meth : M8260

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
85)	Bromobenzene	10.77	156	145800	36.38	ppb	99
86)	n-Propylbenzene	10.90	91	459050	39.24	ppb	99
87)	4-Ethyltoluene	11.01	105	443949	40.32	ppb	98
88)	2-Chlorotoluene	10.97	91	344968	37.79	ppb	98
89)	1,3,5-Trimethylbenzene	11.08	105	398513	39.80	ppb	100
90)	4-Chlorotoluene	11.08	91	355347	38.58	ppb	96
91)	Tert-Butylbenzene	11.40	119	243904	42.96	ppb	99
92)	1,2,4-Trimethylbenzene	11.45	105	406087	40.13	ppb	97
93)	Sec-Butylbenzene	11.62	105	454881	43.22	ppb	100
94)	p-Isopropyltoluene	11.77	119	447765	40.21	ppb	96
95)	Benzyl Chloride	11.95	91	116953	42.46	ppb	96
96)	1,3-DCB	11.71	146	263790	40.39	ppb	98
97)	1,4-DCB	11.80	146	265366	41.84	ppb	99
98)	n-Butylbenzene	12.17	91	299135	40.76	ppb	95
99)	1,2-DCB	12.17	146	265332	41.26	ppb	98
100)	Hexachloroethane	12.42	117	70407	40.32	ppb	91
101)	1,2-Dibromo-3-chloropropan	12.95	75	21550	39.10	ppb	88
102)	1,2,4-Trichlorobenzene	13.77	180	105304	37.41	ppb	91
103)	Hexachlorobutadiene	13.95	225	115916	39.82	ppb	99
104)	Naphthalene	14.01	128	185789	40.61	ppb	96
105)	1,2,3-Trichlorobenzene	14.25	180	124210	35.57	ppb	97

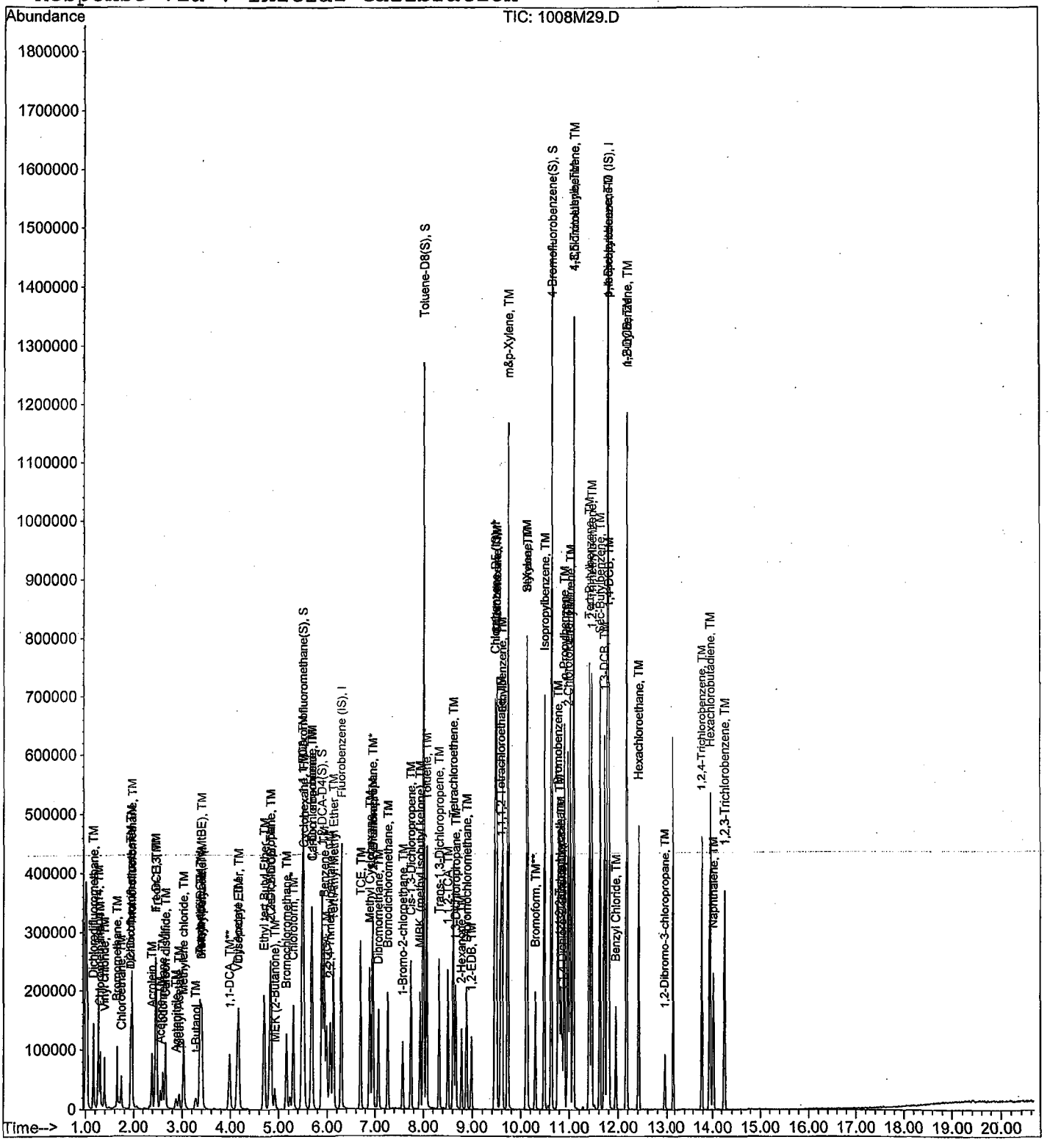
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\MAX\DATA\211008\1008M29.D Vial: 9
Acq On : 8 Oct 21 19:59 Operator: LP,DG,CH
Sample : 40ug/L VOC STD 10/8/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 11 11:18 2021 Quant Results File: M1008W.RES

Method : M:\MAX\DATA\211008\M1008W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Mon Oct 11 11:16:12 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211008\1008M30.D Vial: 10
Acq On : 8 Oct 21 20:27 Operator: LP,DG,CH
Sample : 100ug/L VOC STD 10/8/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 11 11:18 2021 Quant Results File: M1008W.RES

Quant Method : M:\MAX\DATA\211008\M1008W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Mon Oct 11 11:16:12 2021
Response via : Initial Calibration
DataAcq Meth : M8260

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
1) Fluorobenzene (IS)	6.28	96	398991	25.00 ppb		0.00
65) Chlorobenzene-D5 (IS)	9.46	117	387064	25.00 ppb		0.00
80) 1,4-Dichlorobenzene-D (IS)	11.78	152	284233	25.00 ppb		0.00
System Monitoring Compounds						
41) Dibromofluoromethane(S)	5.50	111	407318	84.75 ppb		0.00
Spiked Amount 25.000			Recovery =	339.020%		
46) 1,2-DCA-D4(S)	5.89	65	280448	85.70 ppb		0.00
Spiked Amount 25.000			Recovery =	342.784%		
66) Toluene-D8(S)	8.00	98	1428462	81.67 ppb		0.00
Spiked Amount 25.000			Recovery =	326.672%		
74) 4-Bromofluorobenzene(S)	10.63	95	712445	93.93 ppb		0.00
Spiked Amount 25.000			Recovery =	375.708%		
Target Compounds						Qvalue
3) Dichlorodifluoromethane	1.16	85	180928	89.93 ppb		97
4) Freon 114	1.26	85	169926	95.92 ppb		99
5) Chloromethane	1.30	50	110301	90.57 ppb		99
6) Vinyl chloride	1.39	62	130145	88.38 ppb		91
8) Bromomethane	1.65	94	97704	99.70 ppb		97
9) Chloroethane	1.73	64	102410	102.07 ppb	#	83
10) Dichlorofluoromethane	1.93	67	310934	93.56 ppb		97
11) Trichlorofluoromethane	1.95	101	349356	92.60 ppb		96
13) Acrolein	2.39	56	75977	194.17 ppb		100
14) Acetone	2.57	43	45519	101.21 ppb		98
15) Freon-113	2.47	151	157362	88.80 ppb		97
16) Acetonitrile	2.88	41	28572	224.48 ppb	#	79
18) 1,2-Dichlorotrifluoroethan	1.93	67	311515	93.72 ppb	#	100
19) 1,1-DCE	2.46	61	220719	96.18 ppb		94
20) t-Butanol	3.31	59	48064	203.55 ppb		96
21) Methyl Acetate	2.94	43	76754	94.84 ppb		94
22) Iodomethane	2.60	142	185873	101.25 ppb		95
23) Acrylonitrile	3.38	53	45750	99.72 ppb	#	90
25) Methylene chloride	3.02	84	148271	89.63 ppb		94
26) Carbon disulfide	2.66	76	183744	82.20 ppb		97
27) Methyl t-butyl ether (MtBE	3.40	73	513948	96.11 ppb		100
28) Trans-1,2-DCE	3.36	96	152784	98.72 ppb		96
29) 3-Methylpentane	3.40	57	85795	99.10 ppb		97
31) Diisopropyl Ether	4.17	45	351129	94.23 ppb		95
32) 1,1-DCA	3.98	63	250640	91.72 ppb		95
33) Vinyl Acetate	4.15	43	91816	69.63 ppb	#	91
34) Ethyl tert Butyl Ether	4.70	59	473781	96.52 ppb		97

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

Data File : M:\MAX\DATA\211008\1008M30.D Vial: 10
Acq On : 8 Oct 21 20:27 Operator: LP,DG,CH
Sample : 100ug/L VOC STD 10/8/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 11 11:18 2021 Quant Results File: M1008W.RES

Quant Method : M:\MAX\DATA\211008\M1008W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Mon Oct 11 11:16:12 2021
Response via : Initial Calibration
DataAcq Meth : M8260

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
36)	MEK (2-Butanone)	4.93	43	56225	106.89	ppb	99
37)	Cis-1,2-DCE	4.84	96	172268	90.28	ppb	96
38)	2,2-Dichloropropane	4.82	77	314670	89.16	ppb	99
39)	Chloroform	5.30	83	333628	90.03	ppb	95
40)	Bromochloromethane	5.16	130	137345	98.57	ppb	93
42)	1,1,1-TCA	5.48	97	383271	98.15	ppb	95
43)	Cyclohexane	5.52	41	110492	91.85	ppb	77
44)	1,1-Dichloropropene	5.69	75	202861	91.78	ppb	97
45)	2,2,4-Trimethylpentane	6.06	57	315591	87.08	ppb	96
47)	Carbon Tetrachloride	5.67	117	349968	99.07	ppb	96
48)	Tert Amyl Methyl Ether	6.13	73	471109	97.08	ppb	97
49)	1,2-DCA	5.98	62	320114	94.23	ppb	97
50)	Benzene	5.93	78	571965	92.41	ppb	95
51)	TCE	6.70	95	182075	98.71	ppb	93
52)	2-Pentanone	6.96	43	195057	220.43	ppb	100
53)	1,2-Dichloropropane	6.94	63	65720	100.08	ppb	99
54)	Bromodichloromethane	7.26	83	278493	96.15	ppb	92
55)	Methyl Cyclohexane	6.88	83	226198	98.36	ppb	83
56)	Dibromomethane	7.07	93	108986	99.10	ppb	98
57)	MIBK (methyl isobutyl ket	7.93	43	124274	103.15	ppb	95
58)	1-Bromo-2-chloroethane	7.57	144	39014	94.20	ppb	74
60)	Cis-1,3-Dichloropropene	7.74	75	270650	98.69	ppb	99
61)	Toluene	8.07	91	706717	92.54	ppb	98
62)	Trans-1,3-Dichloropropene	8.33	75	290074	103.30	ppb	96
63)	1,1,2-TCA	8.50	83	110898	92.90	ppb	100
64)	2-Hexanone	8.79	43	88763	103.37	ppb	96
67)	1,2-EDB	8.98	107	174414	102.10	ppb	97
68)	Tetrachloroethene	8.62	164	144768	86.42	ppb	96
69)	1-Chlorohexane	9.49	91	149760	96.17	ppb	95
70)	1,1,1,2-Tetrachloroethane	9.58	131	264003	94.35	ppb	95
71)	m&p-Xylene	9.73	106	801100	189.60	ppb	96
72)	o-Xylene	10.11	106	402820	93.98	ppb	92
73)	Styrene	10.13	104	693145	99.13	ppb	98
75)	1,3-Dichloropropane	8.66	76	242063	92.41	ppb	99
76)	Dibromochloromethane	8.89	129	261258	98.65	ppb	98
77)	Chlorobenzene	9.48	112	584906	90.70	ppb	99
78)	Ethylbenzene	9.61	91	919759	94.35	ppb	100
79)	Bromoform	10.31	173	239372	108.35	ppb	96
81)	Isopropylbenzene	10.49	105	1101156	89.12	ppb	97
82)	1,1,2,2-Tetrachloroethane	10.80	83	190112	92.23	ppb	97
83)	1,2,3-Trichloropropane	10.83	110	96394	99.37	ppb	91
84)	t-1,4-Dichloro-2-Butene	10.86	53	63921	99.60	ppb	99

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

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211008\1008M30.D Vial: 10
Acq On : 8 Oct 21 20:27 Operator: LP,DG,CH
Sample : 100ug/L VOC STD 10/8/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 11 11:18 2021 Quant Results File: M1008W.RES

Quant Method : M:\MAX\DATA\211008\M1008W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Mon Oct 11 11:16:12 2021
Response via : Initial Calibration
DataAcq Meth : M8260

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
85) Bromobenzene	10.77	156	372053	87.90	ppb	99
86) n-Propylbenzene	10.90	91	1157810	93.70	ppb	99
87) 4-Ethyltoluene	11.02	105	1108764	95.35	ppb	100
88) 2-Chlorotoluene	10.97	91	753531	78.16	ppb	97
89) 1,3,5-Trimethylbenzene	11.08	105	992547	93.84	ppb	99
90) 4-Chlorotoluene	11.08	91	891549	91.64	ppb	96
91) Tert-Butylbenzene	11.40	119	606208	101.08	ppb	97
92) 1,2,4-Trimethylbenzene	11.45	105	1019091	94.98	ppb	96
93) Sec-Butylbenzene	11.62	105	1153177	103.75	ppb	98
94) p-Isopropyltoluene	11.77	119	1157462	97.79	ppb	96
95) Benzyl Chloride	11.95	91	307129	105.57	ppb	95
96) 1,3-DCB	11.71	146	668257	96.88	ppb	97
97) 1,4-DCB	11.80	146	659375	99.11	ppb	98
98) n-Butylbenzene	12.17	91	787272	100.05	ppb	95
99) 1,2-DCB	12.17	146	672912	99.08	ppb	99
100) Hexachloroethane	12.42	117	183132	99.70	ppb	92
101) 1,2-Dibromo-3-chloropropan	12.95	75	59731	100.67	ppb	90
102) 1,2,4-Trichlorobenzene	13.77	180	315200	101.90	ppb	87
103) Hexachlorobutadiene	13.95	225	312549	100.30	ppb	96
104) Naphthalene	14.01	128	664470	99.95	ppb	93
105) 1,2,3-Trichlorobenzene	14.25	180	402365	102.58	ppb	97

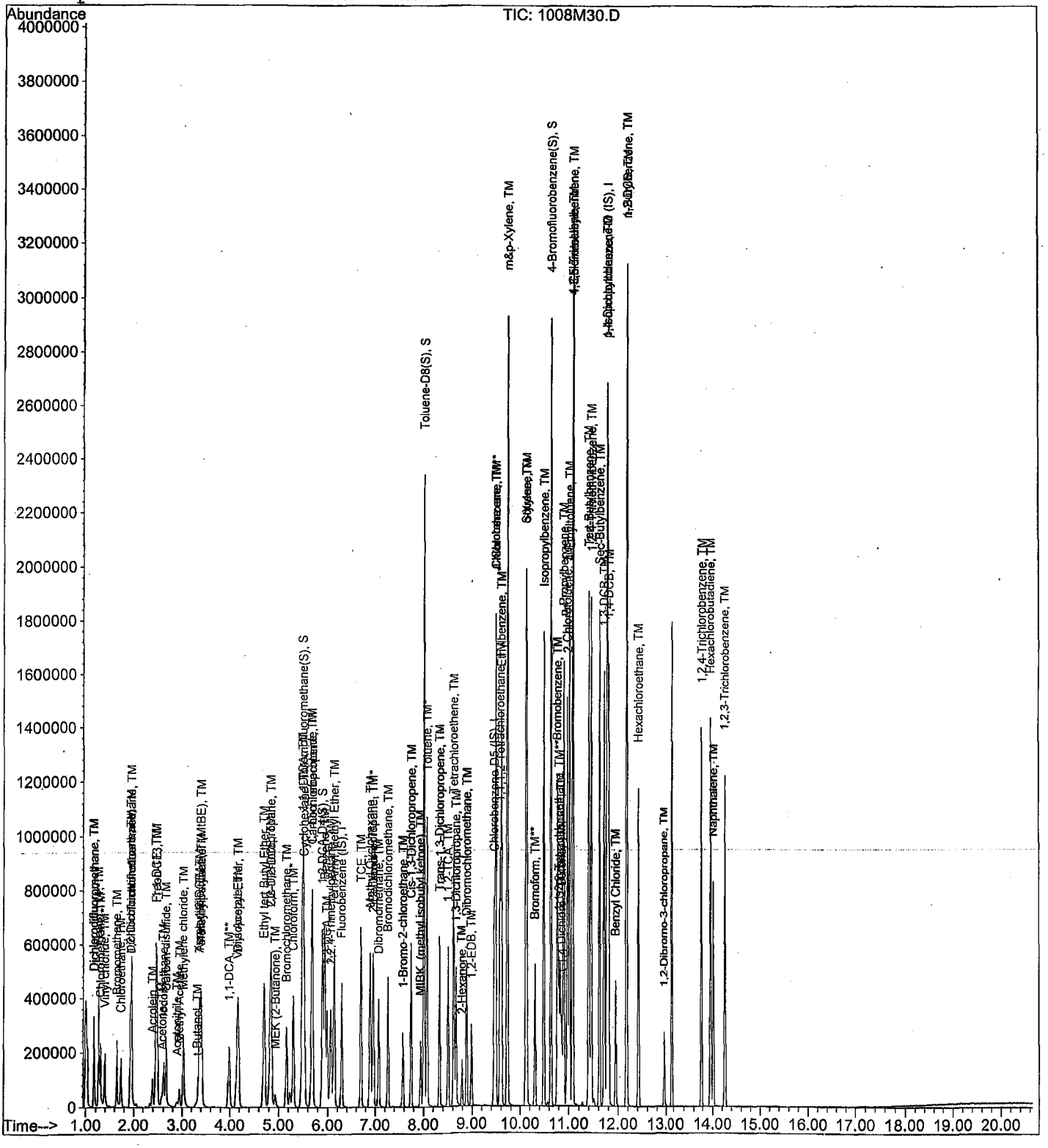
(#) = qualifier out of range (m) = manual integration

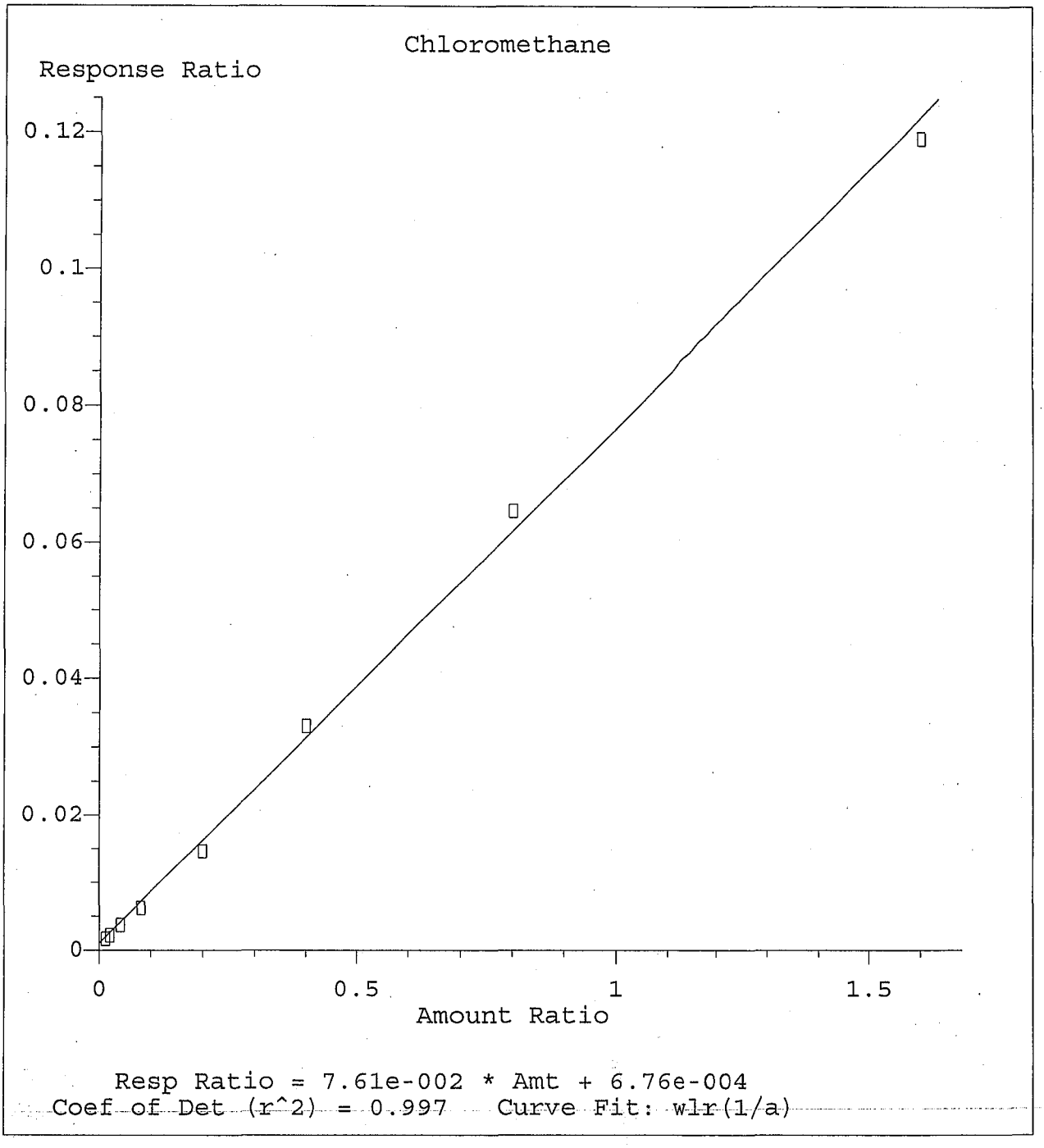
Quantitation Report

Data File : M:\MAX\DATA\211008\1008M30.D Vial: 10
Acq On : 8 Oct 21 20:27 Operator: LP,DG,CH
Sample : 100ug/L VOC STD 10/8/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

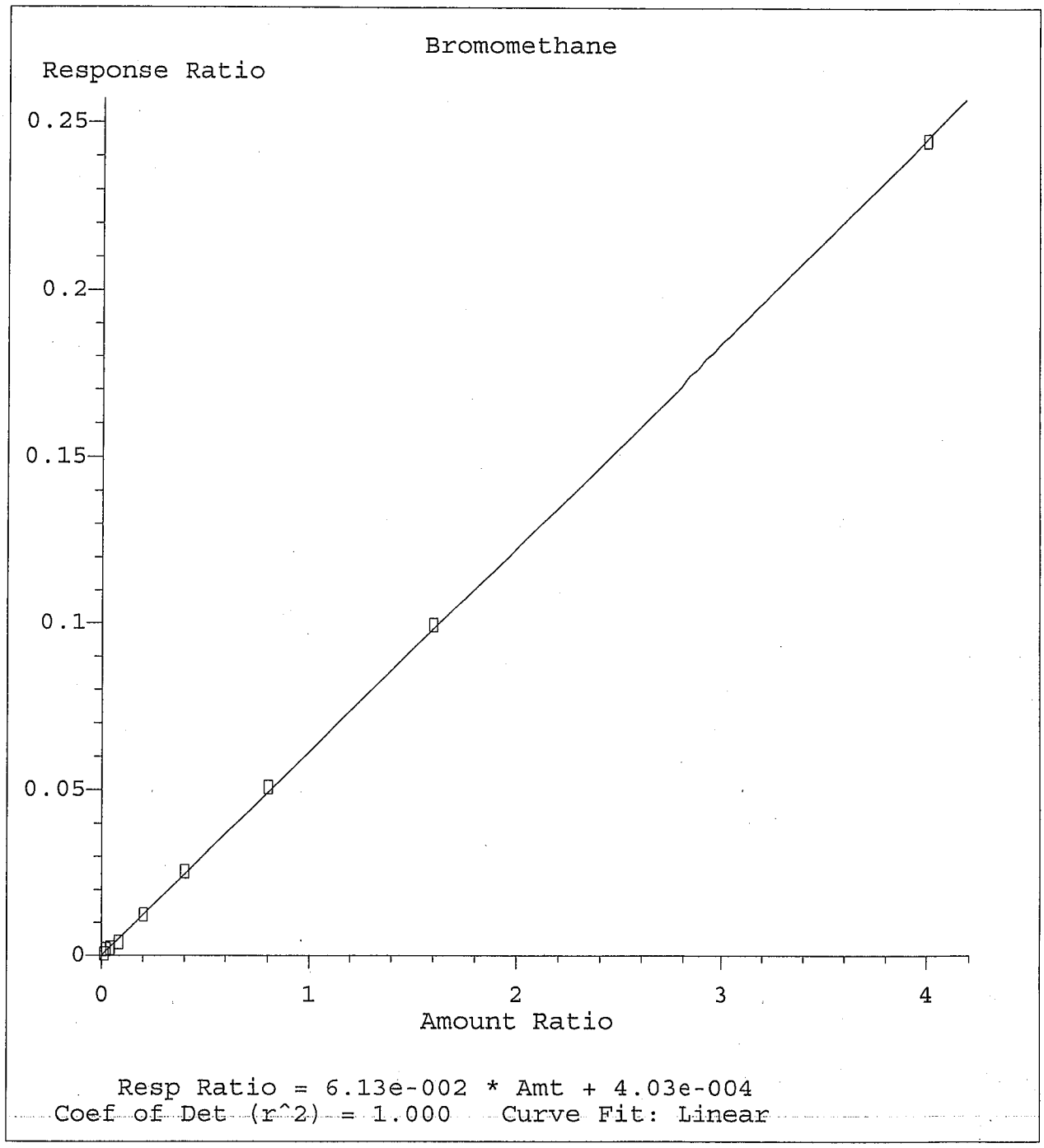
Quant Time: Oct 11 11:18 2021 Quant Results File: M1008W.RES

Method : M:\MAX\DATA\211008\M1008W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Mon Oct 11 11:16:12 2021
Response via : Initial Calibration

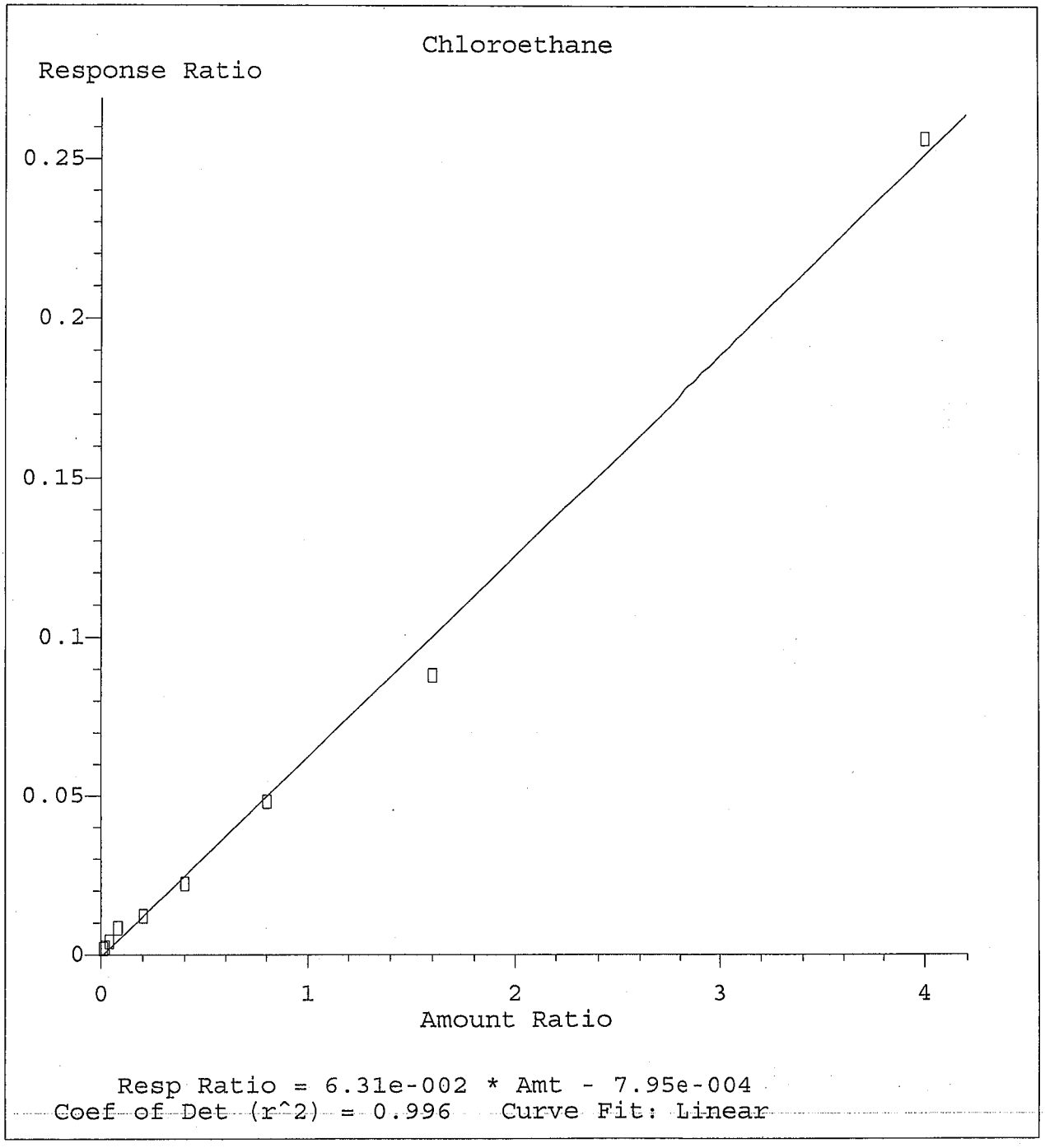




Method Name: M:\MAX\DATA\211008\M1008W.M
Calibration Table Last Updated: Mon Oct 11 11:16:12 2021



Method Name: M:\MAX\DATA\211008\M1008W.M
Calibration Table Last Updated: Mon Oct 11 11:16:12 2021



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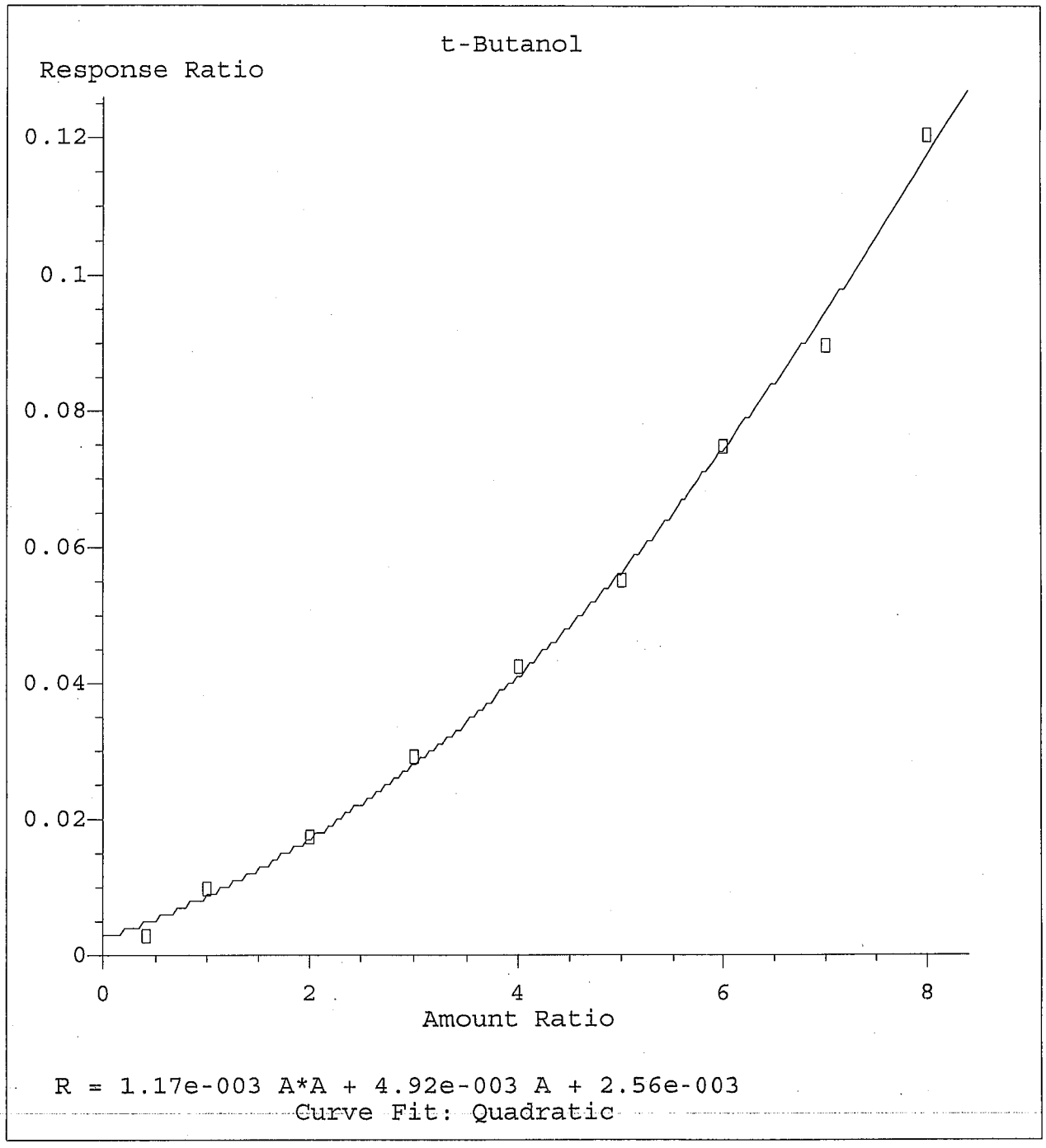
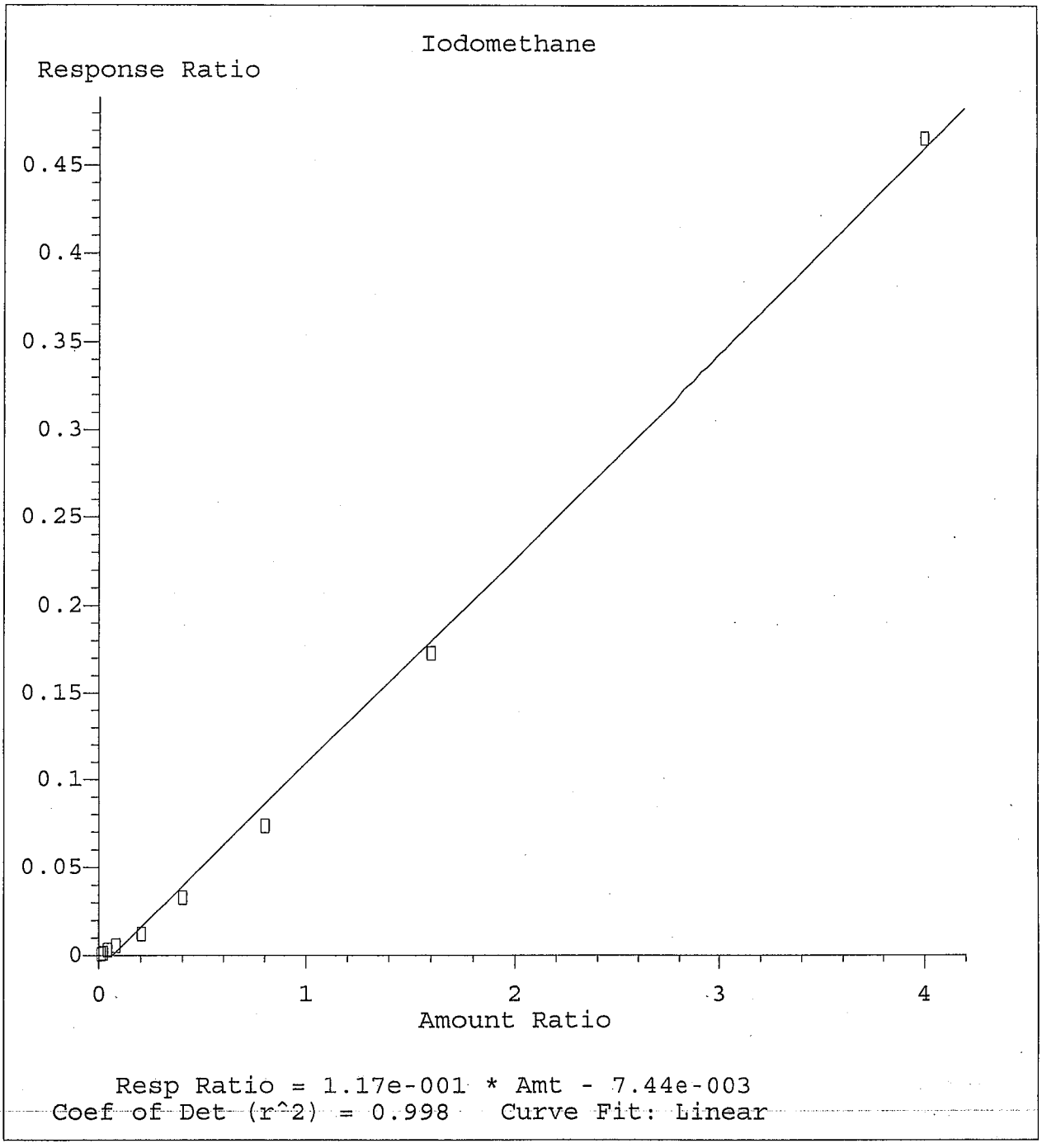
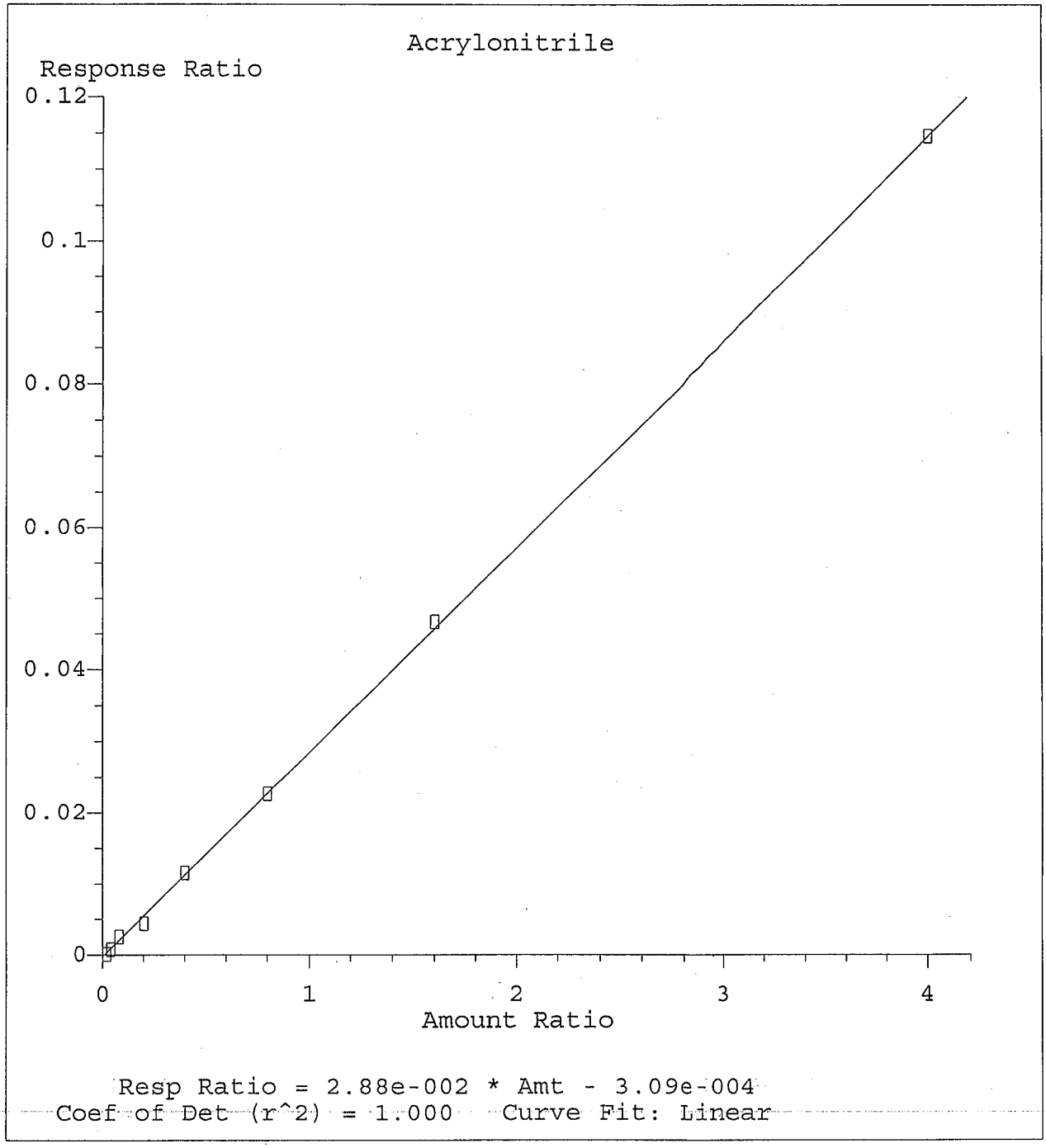
Calibration Table Last Updated: Mon Oct 11 11:16:12 2021



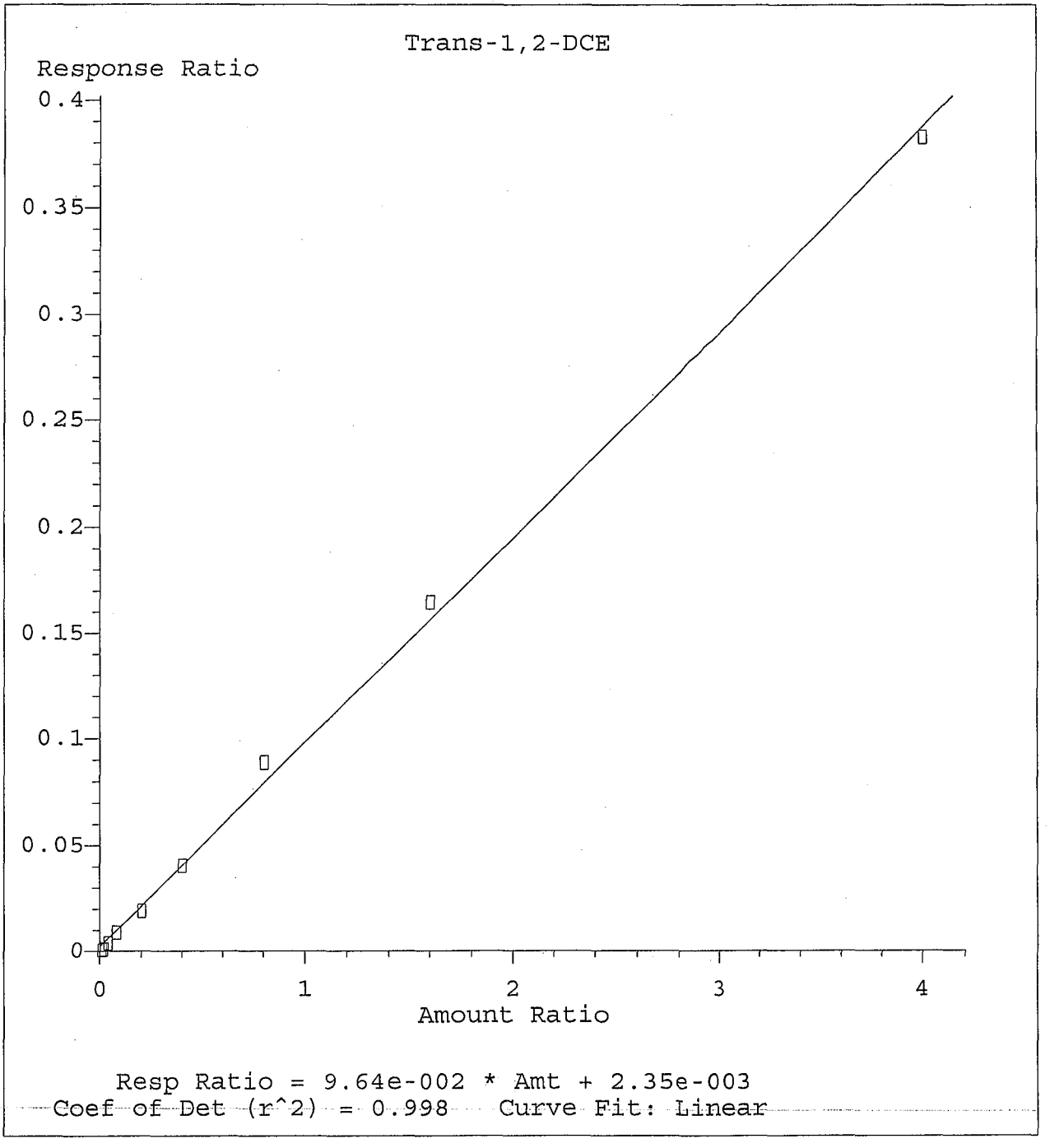
Method Name: M:\MAX\DATA\211008\M1008W.M
Calibration Table Last Updated: Mon Oct 11 11:16:12 2021



Method Name: M:\MAX\DATA\211008\M1008W.M
Calibration Table Last Updated: Mon Oct 11 11:16:12 2021



Method Name: M:\MAX\DATA\211008\M1008W.M
Calibration Table Last Updated: Mon Oct 11 11:16:12 2021



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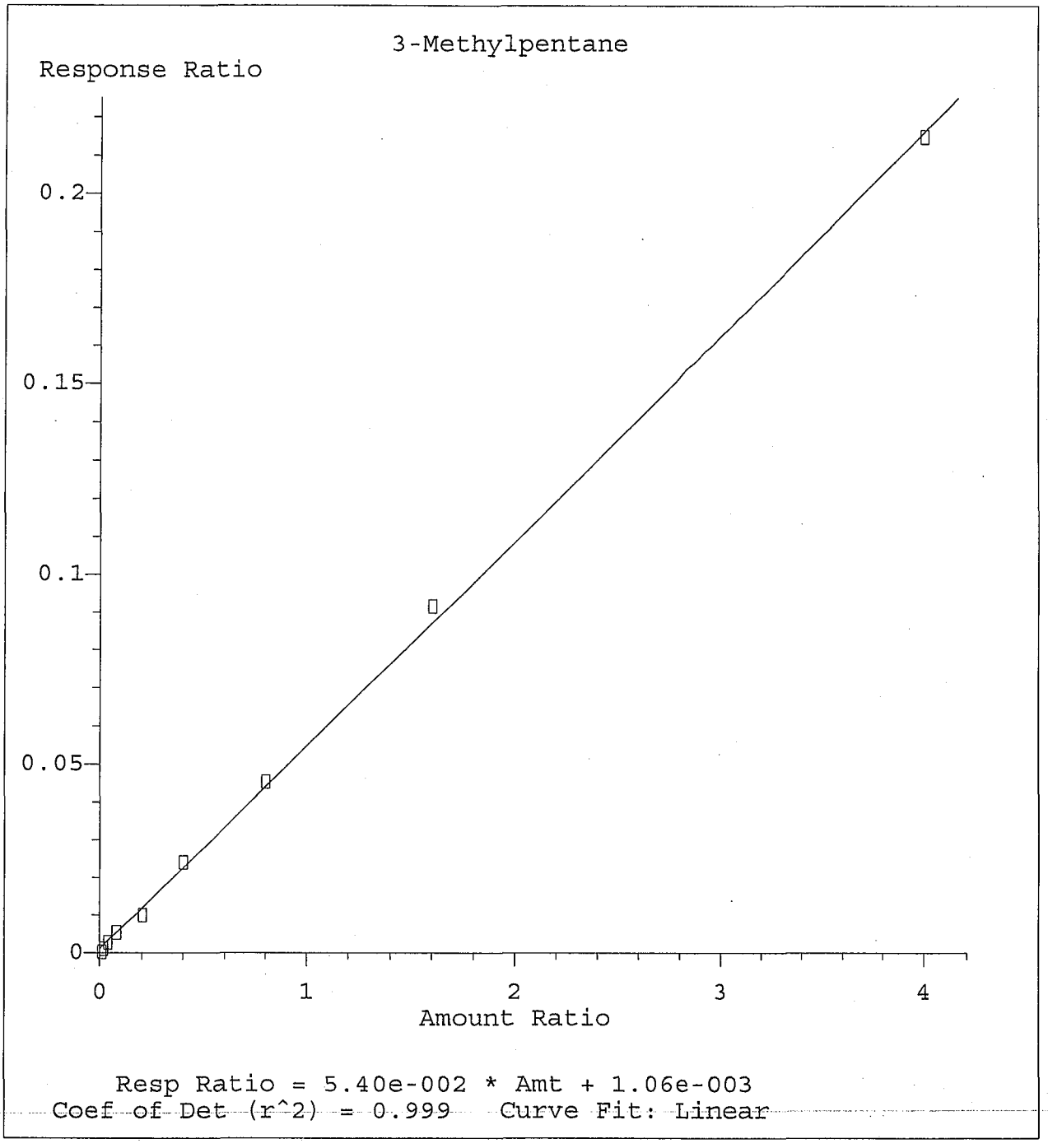
Calibration Table Last Updated: Mon Oct 11 11:16:12 2021



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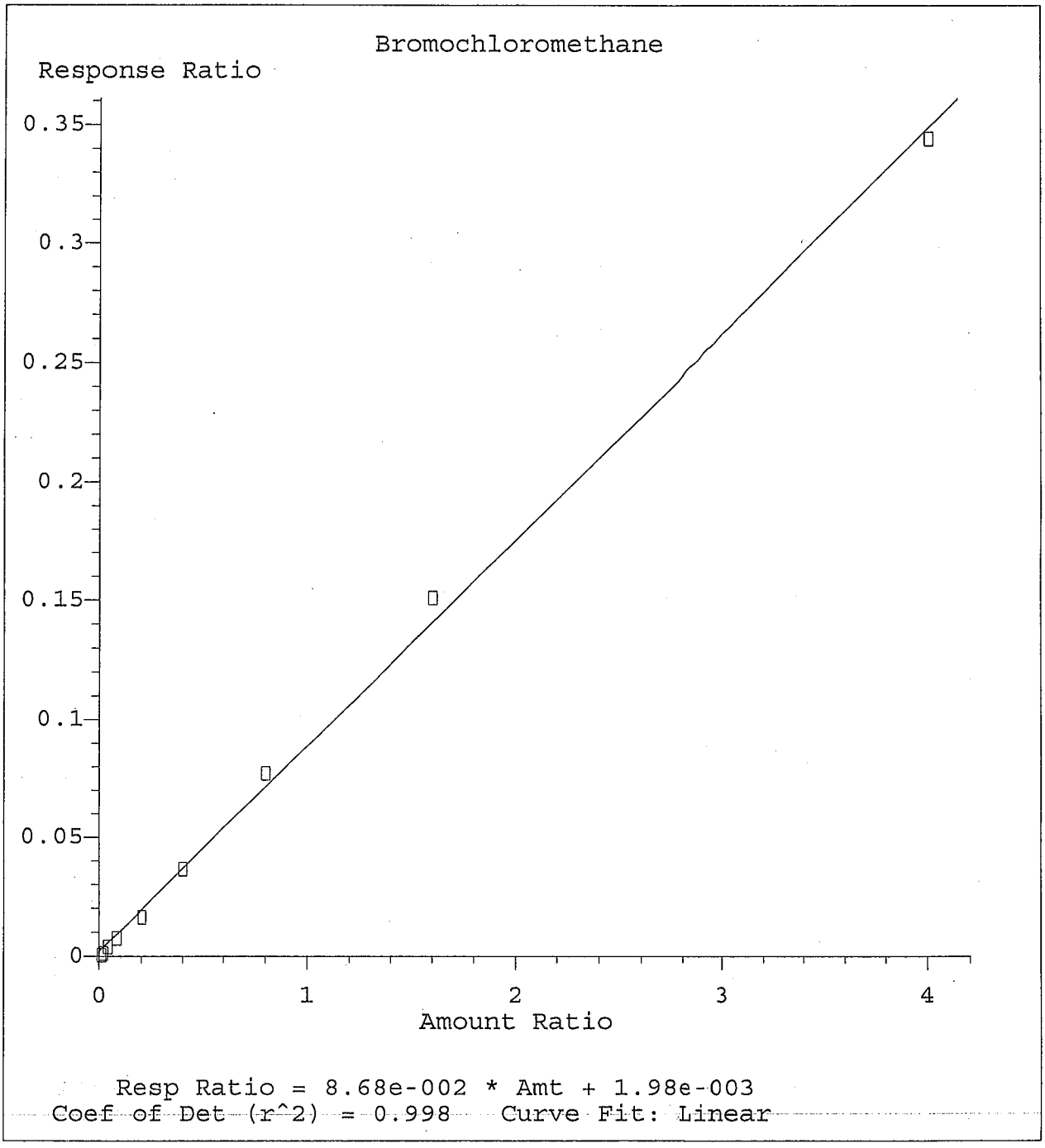
Calibration Table Last Updated: Mon Oct 11 11:16:12 2021



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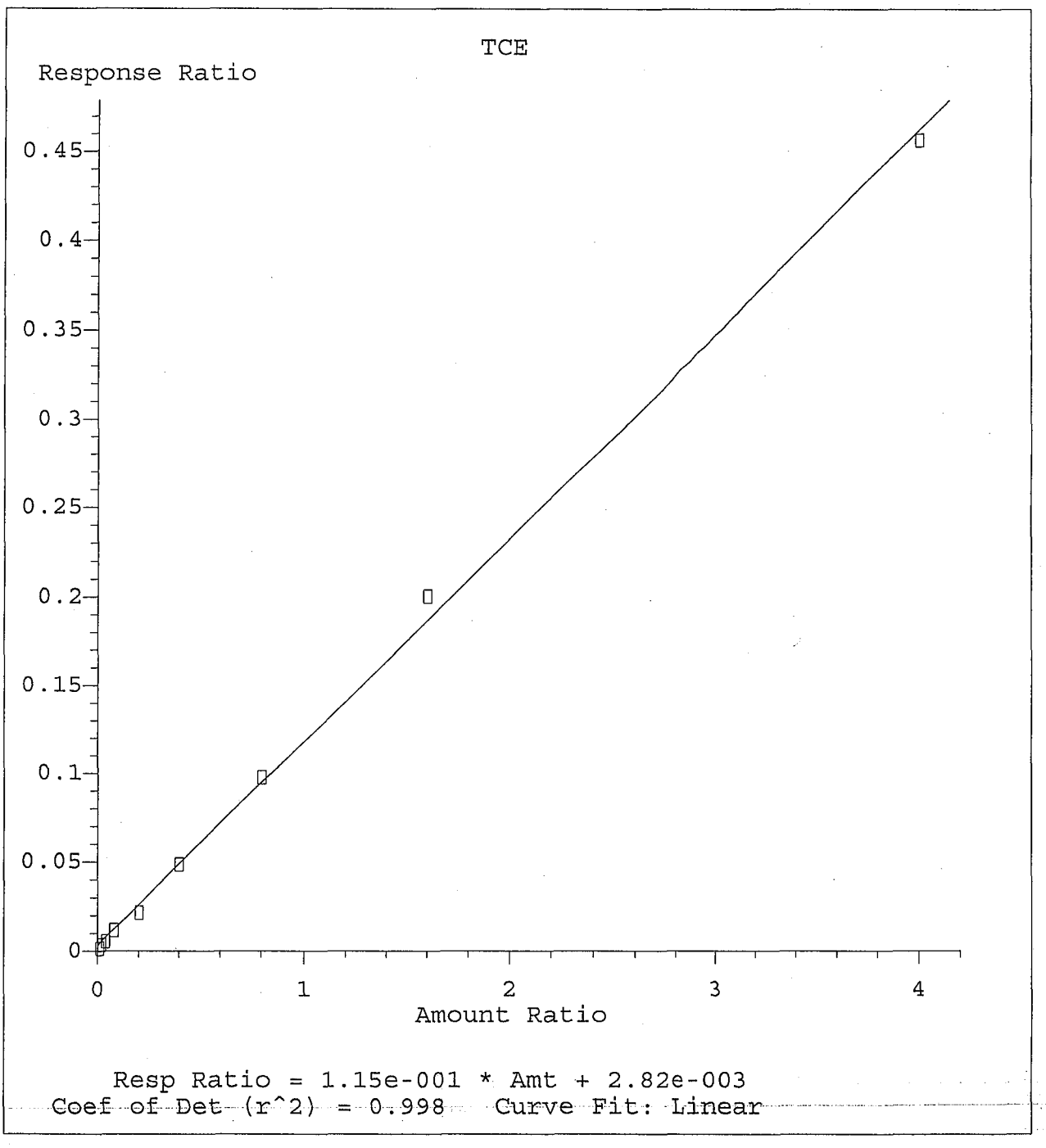
Calibration Table Last Updated: Mon Oct 11 11:16:12 2021



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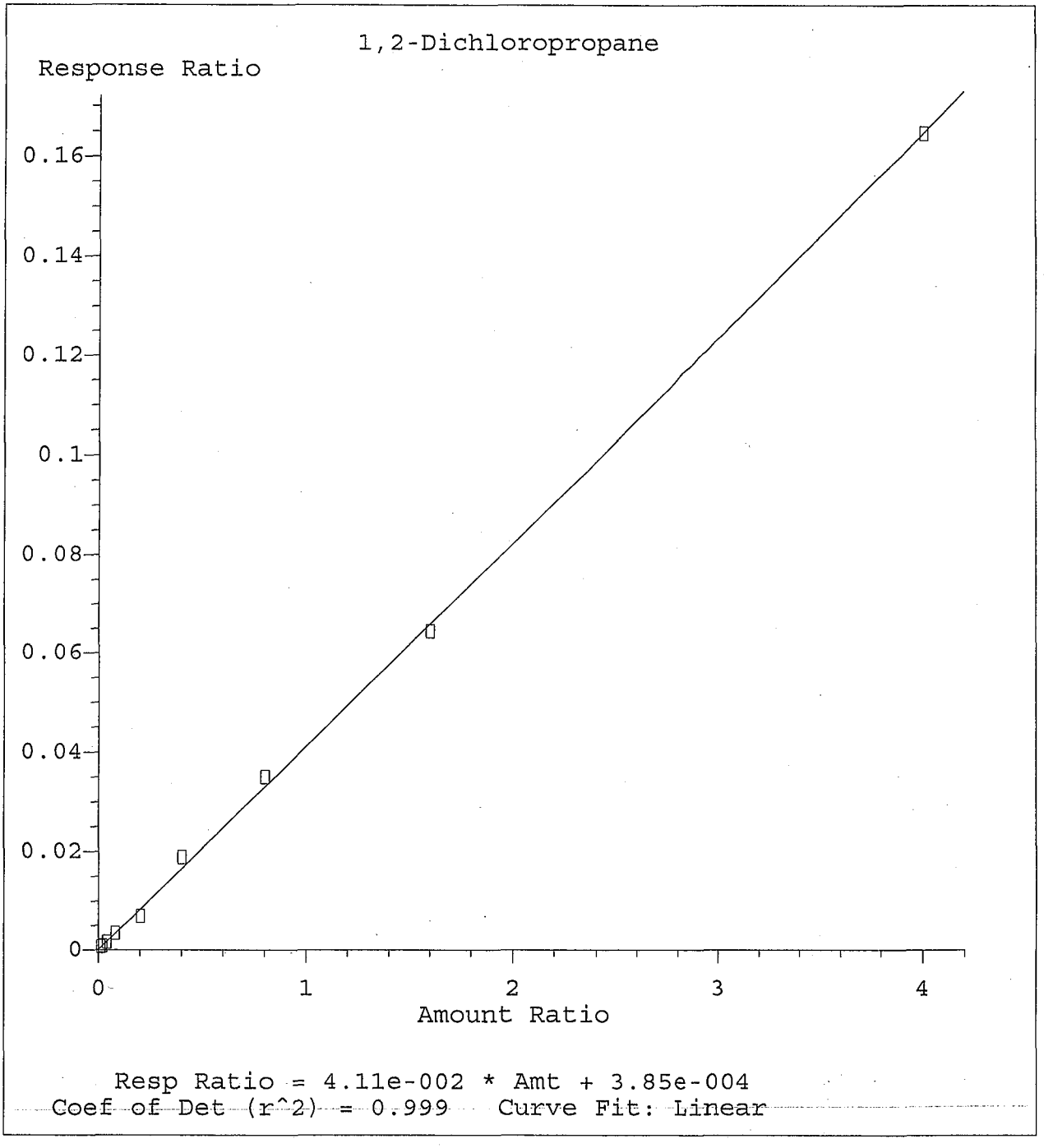
Calibration Table Last Updated: Mon Oct 11 11:16:12 2021



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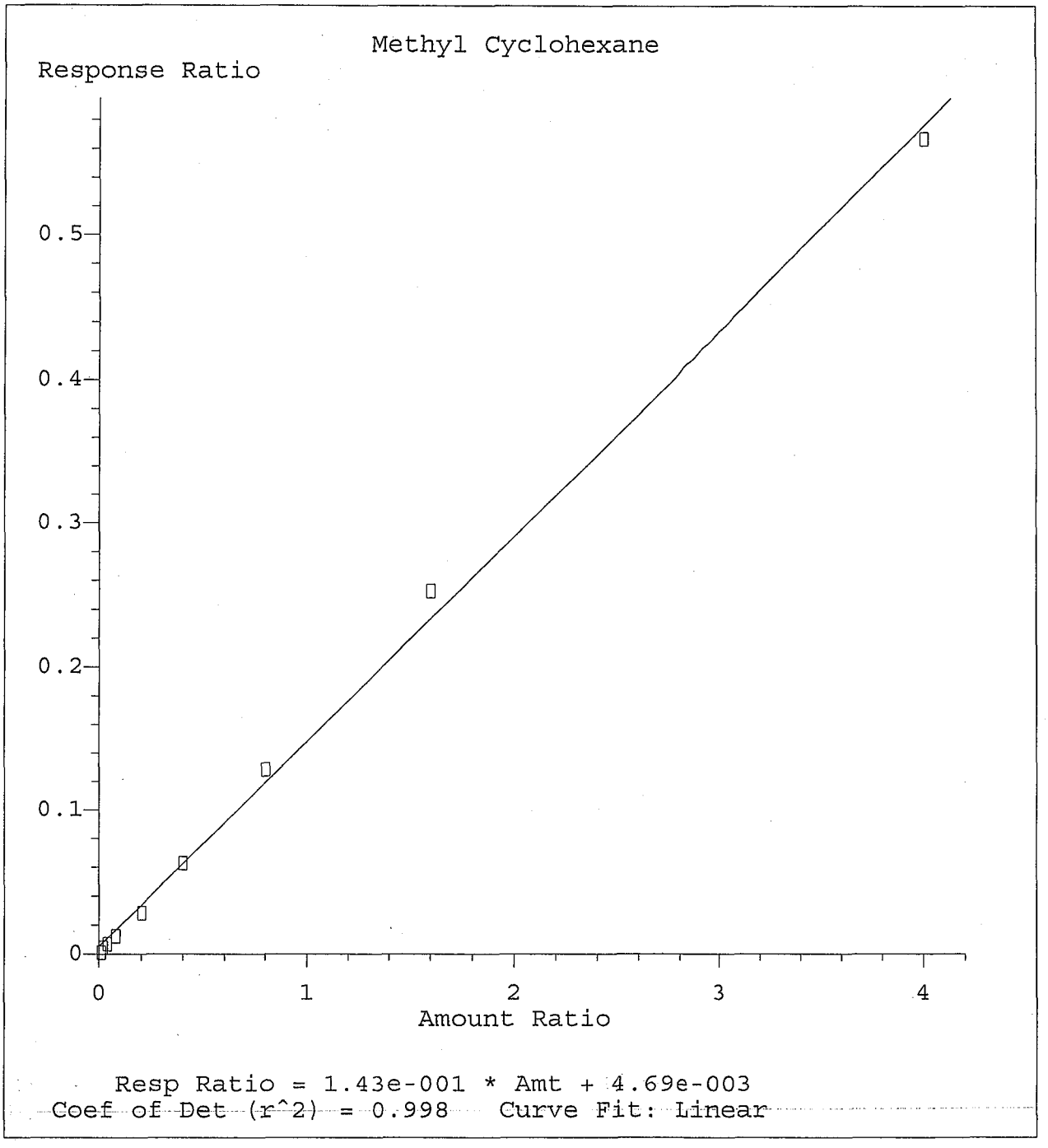
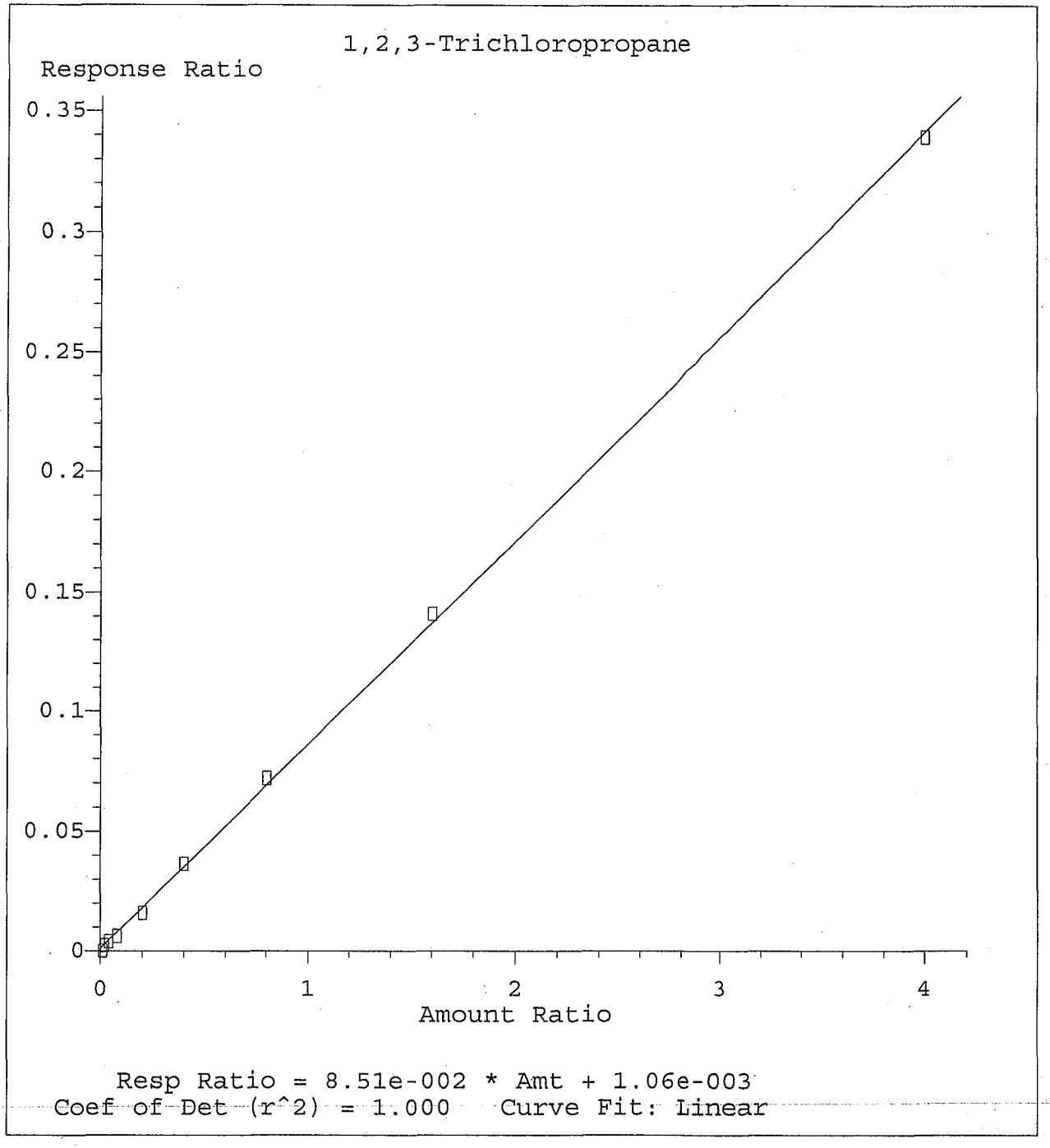
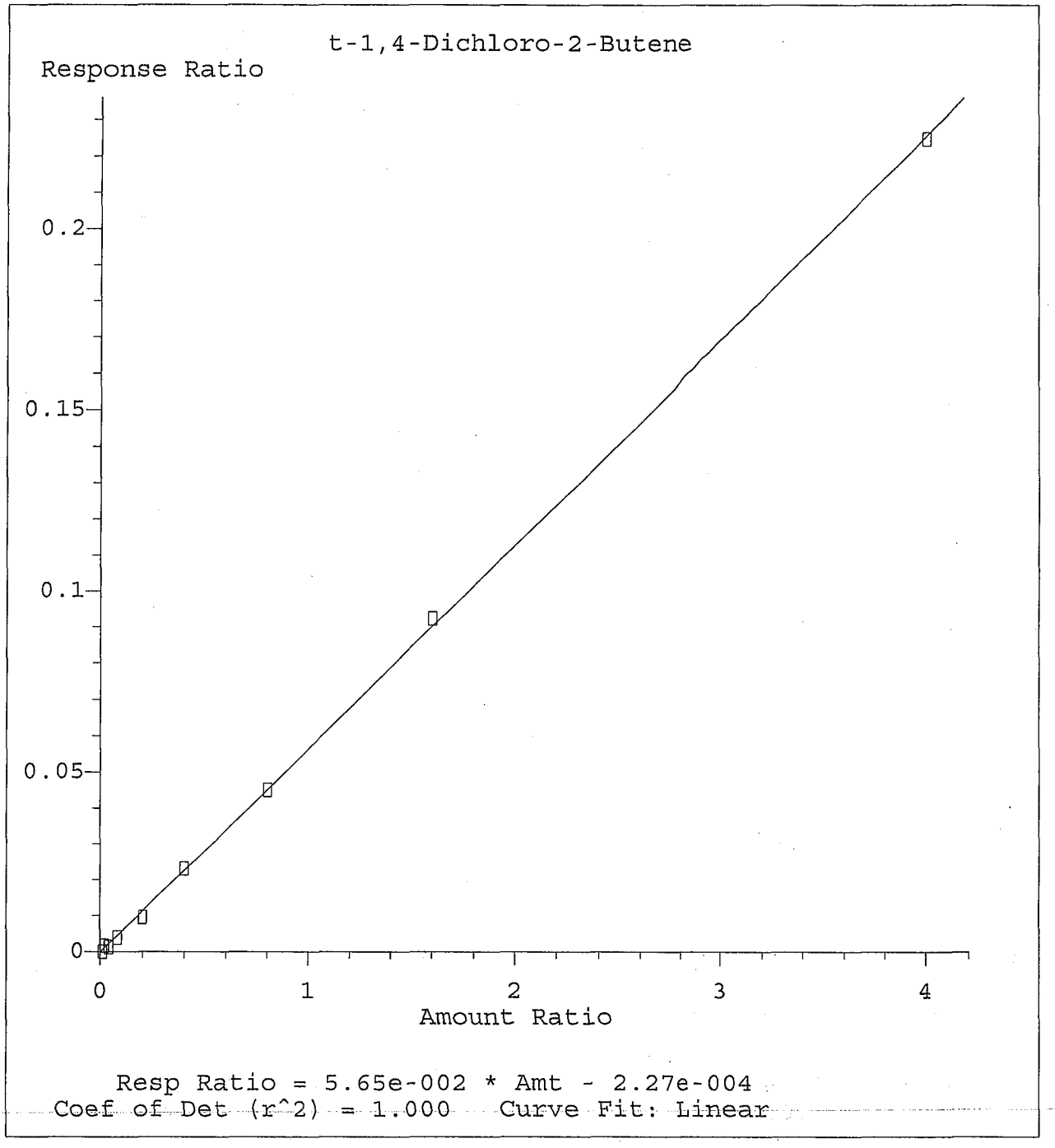
Calibration Table Last Updated: Mon Oct 11 11:16:12 2021



Method Name: M:\MAX\DATA\211008\M1008W.M
Calibration Table Last Updated: Mon Oct 11 11:16:12 2021



Method Name: M:\MAX\DATA\211008\M1008W.M
Calibration Table Last Updated: Mon Oct 11 11:16:12 2021



Method Name: M:\MAX\DATA\211008\M1008W.M
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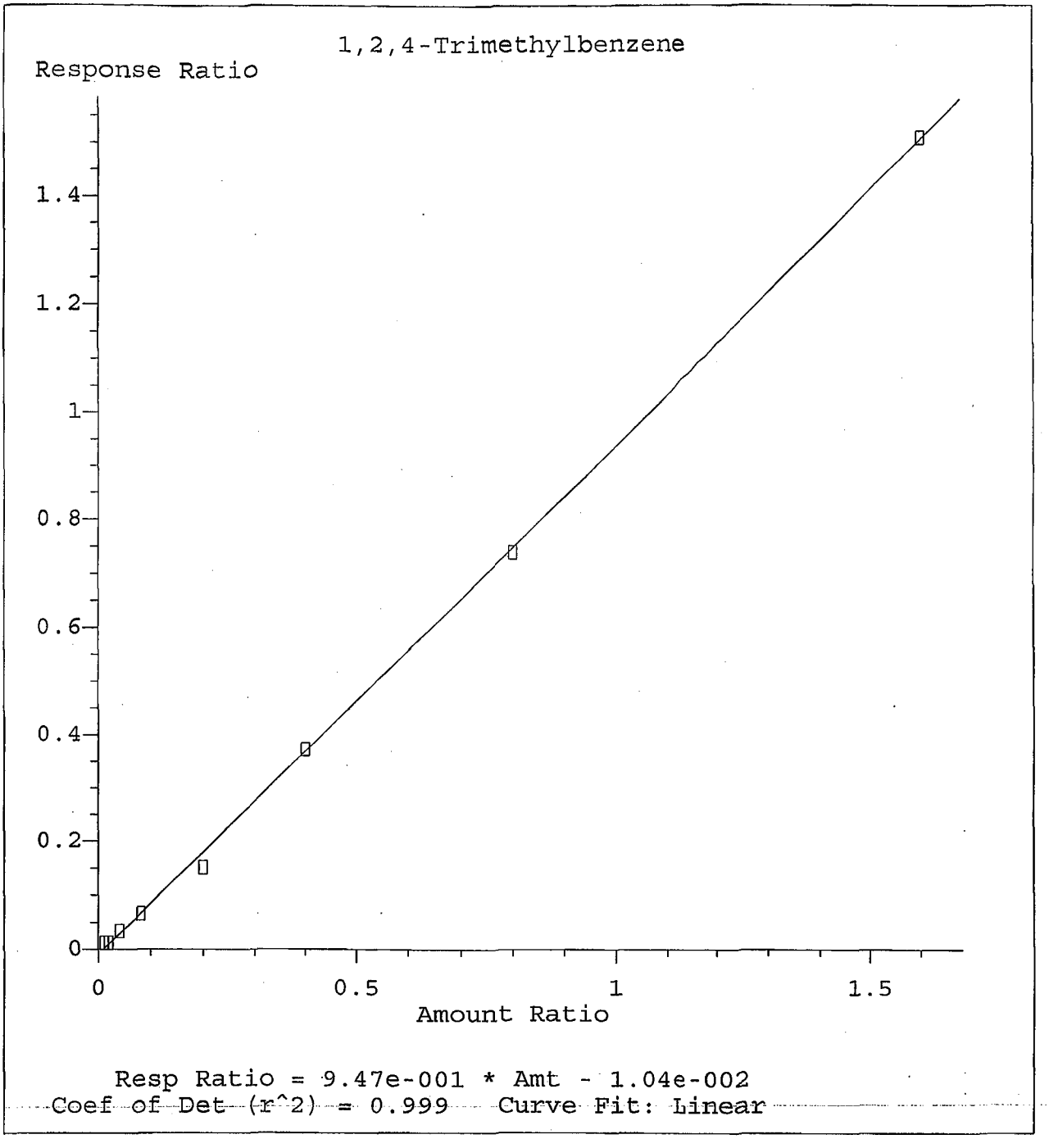

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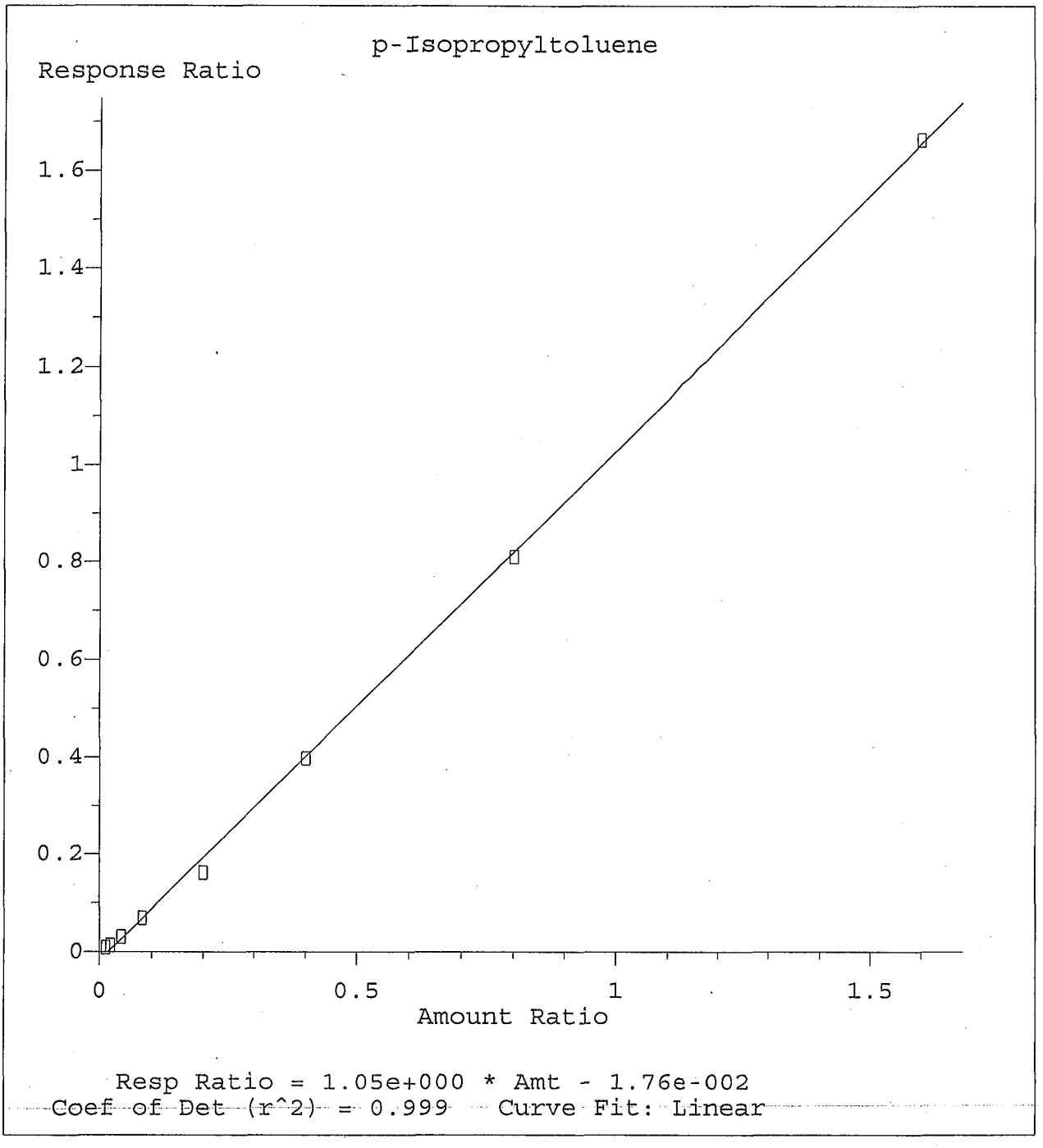

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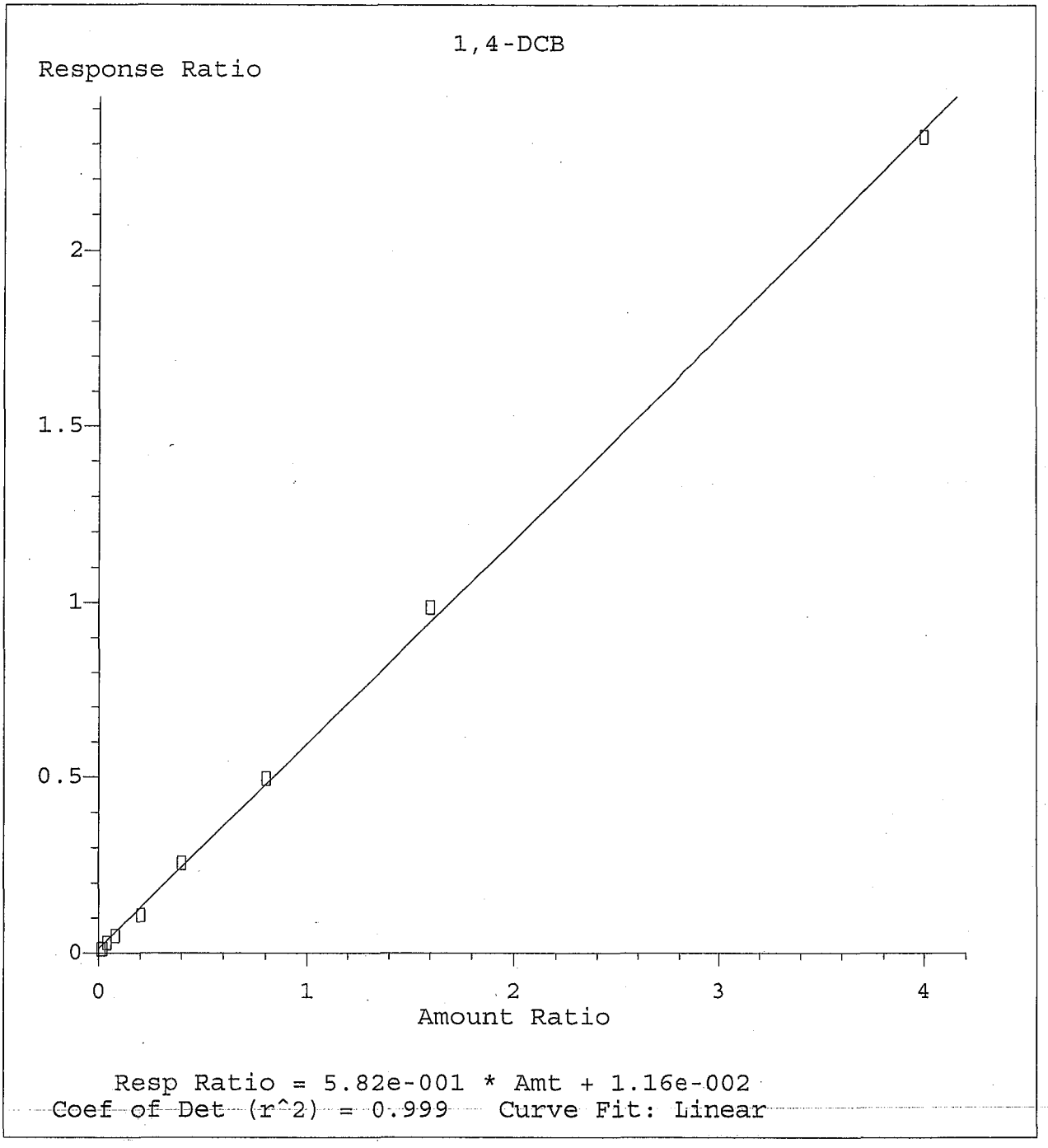

Method Name: M:\MAX\DATA\211008\M1008W.M
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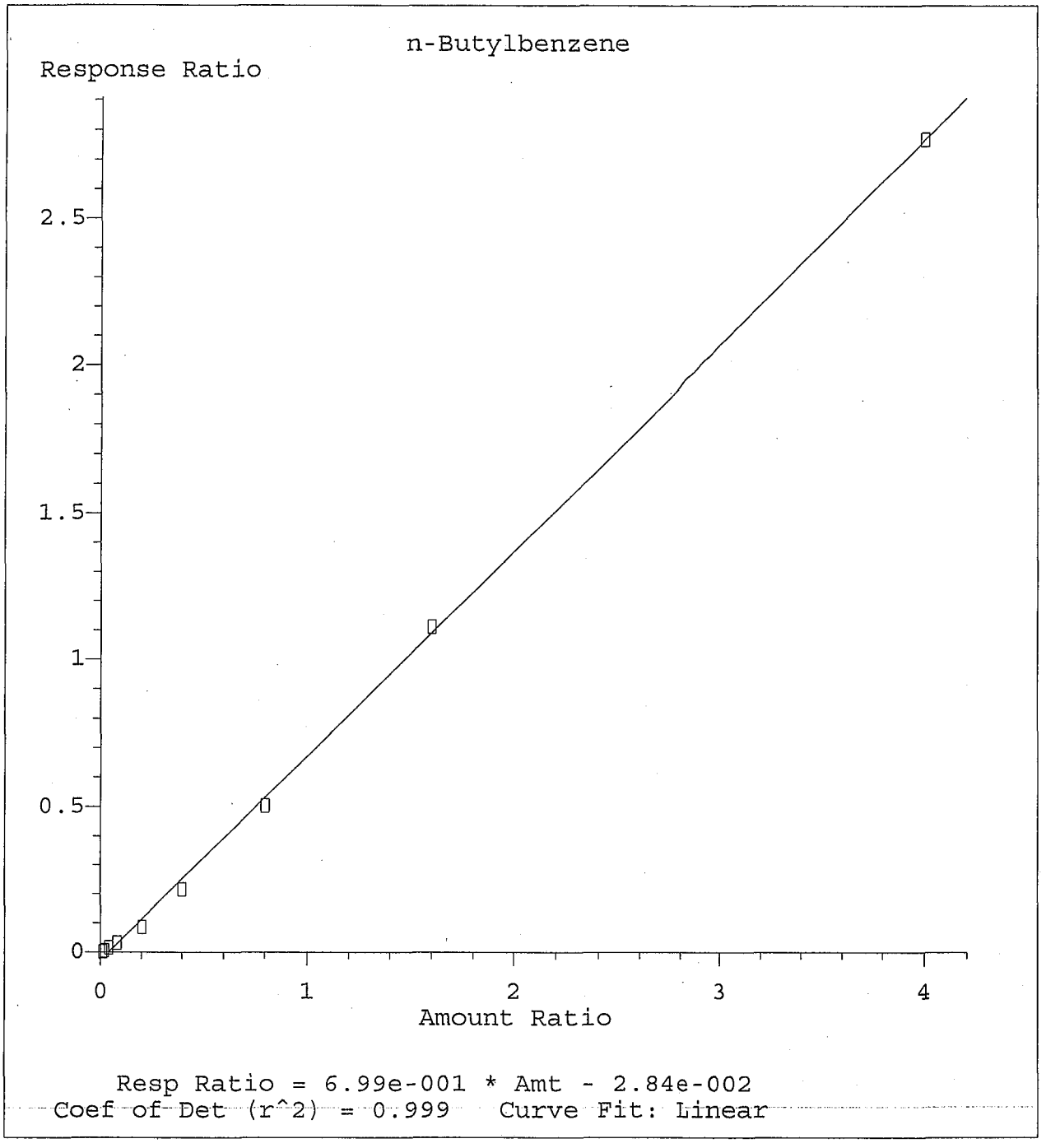

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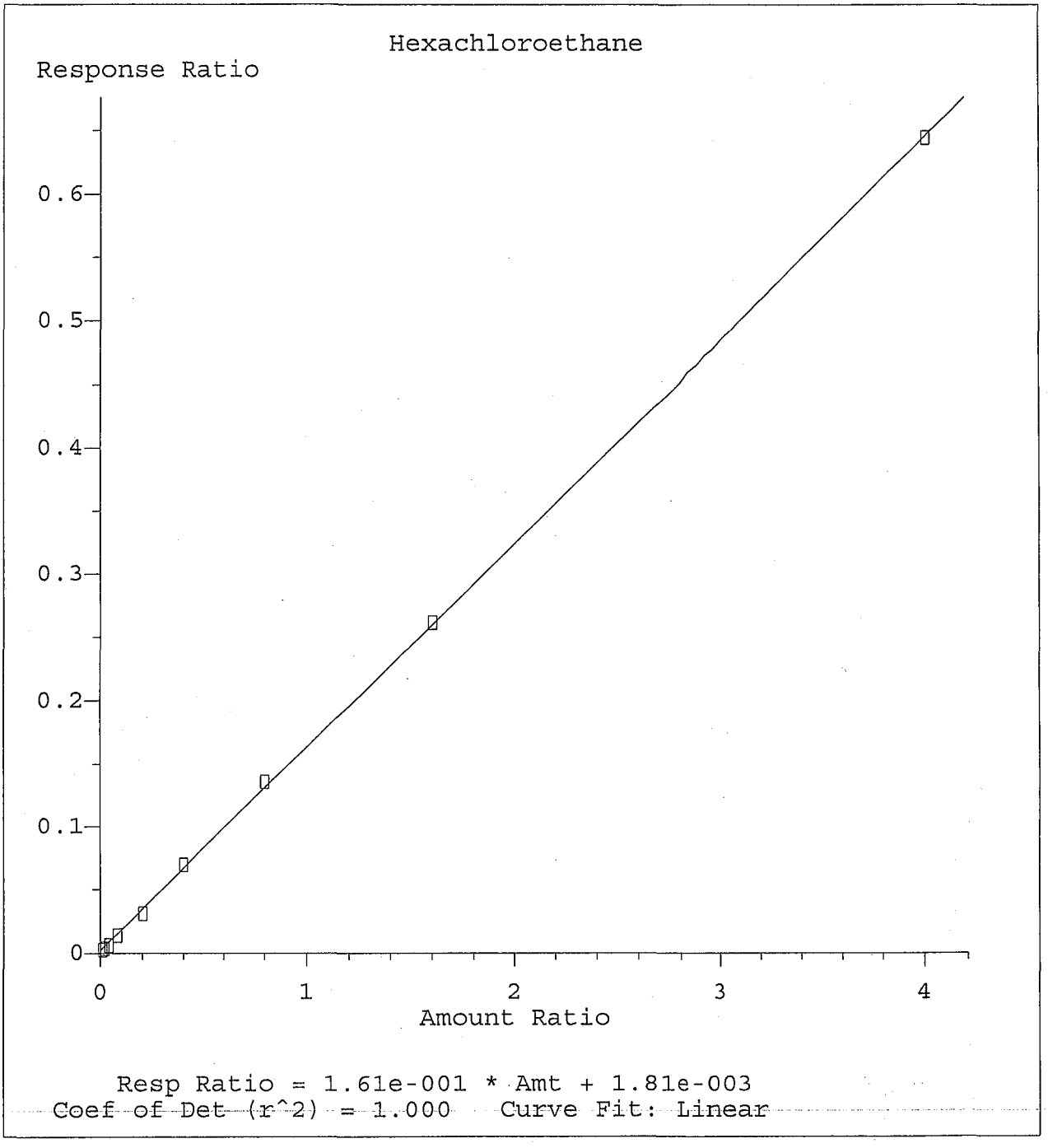
Calibration Table Last Updated: Mon Oct 11 11:16:12 2021



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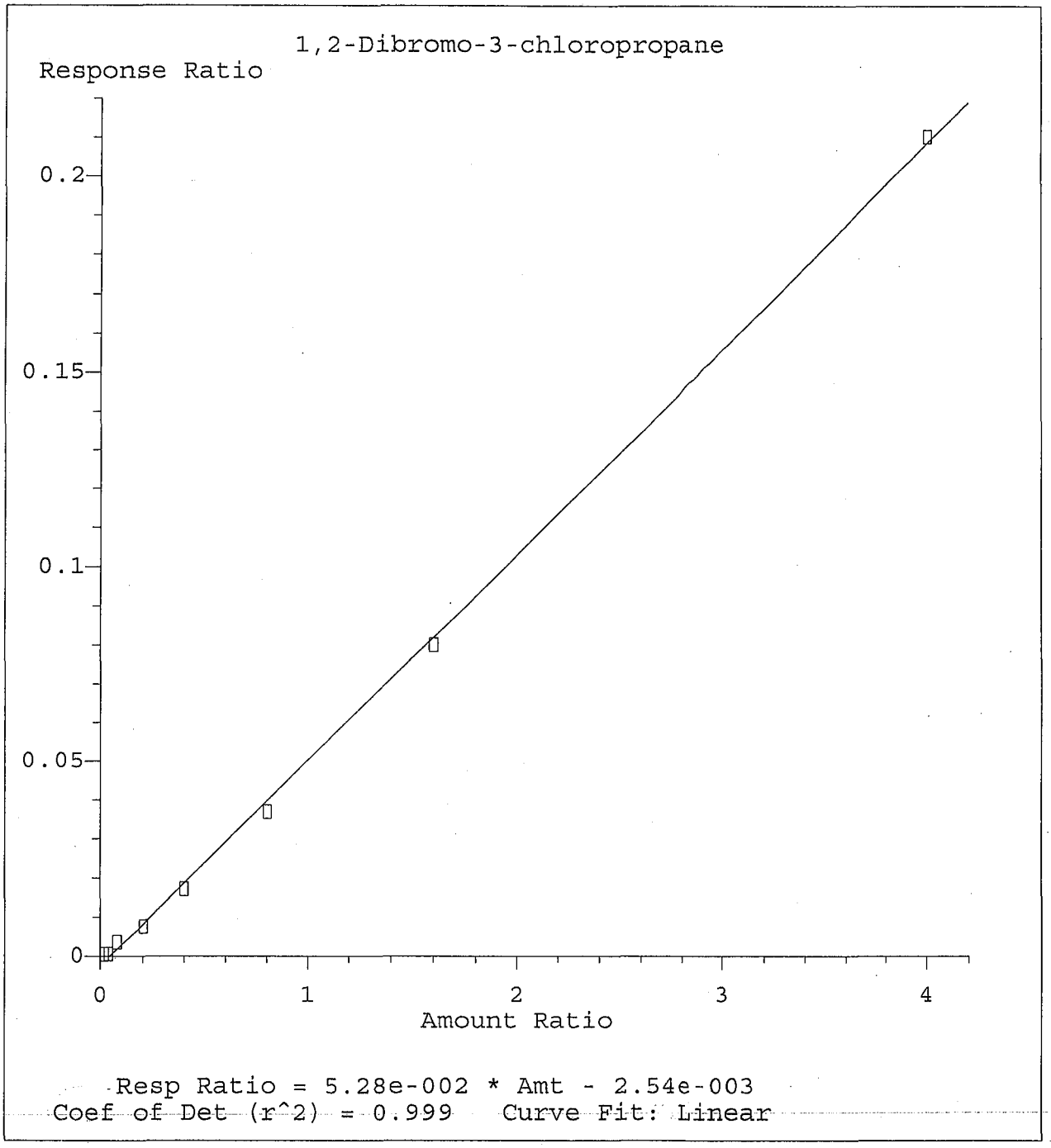

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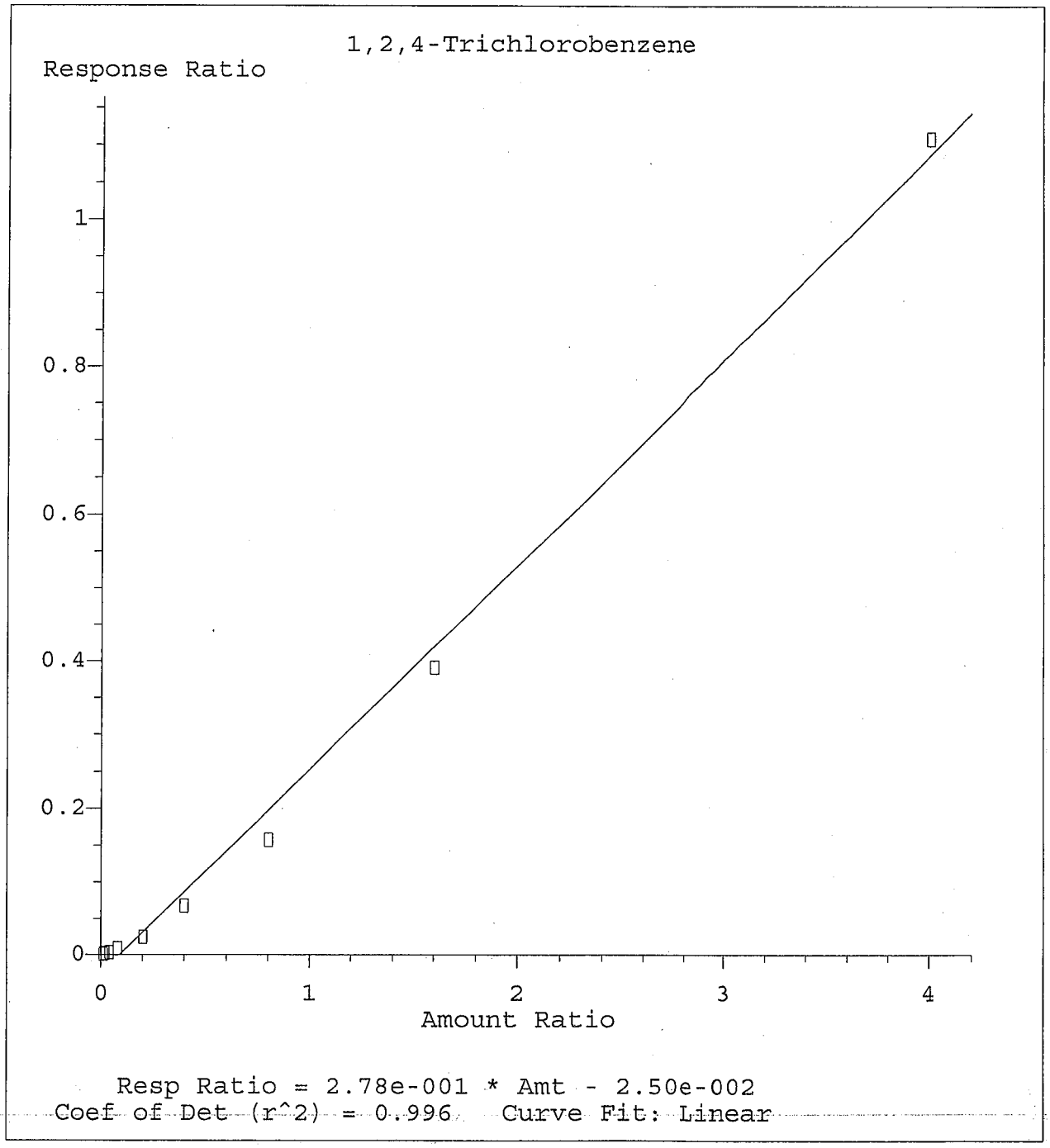

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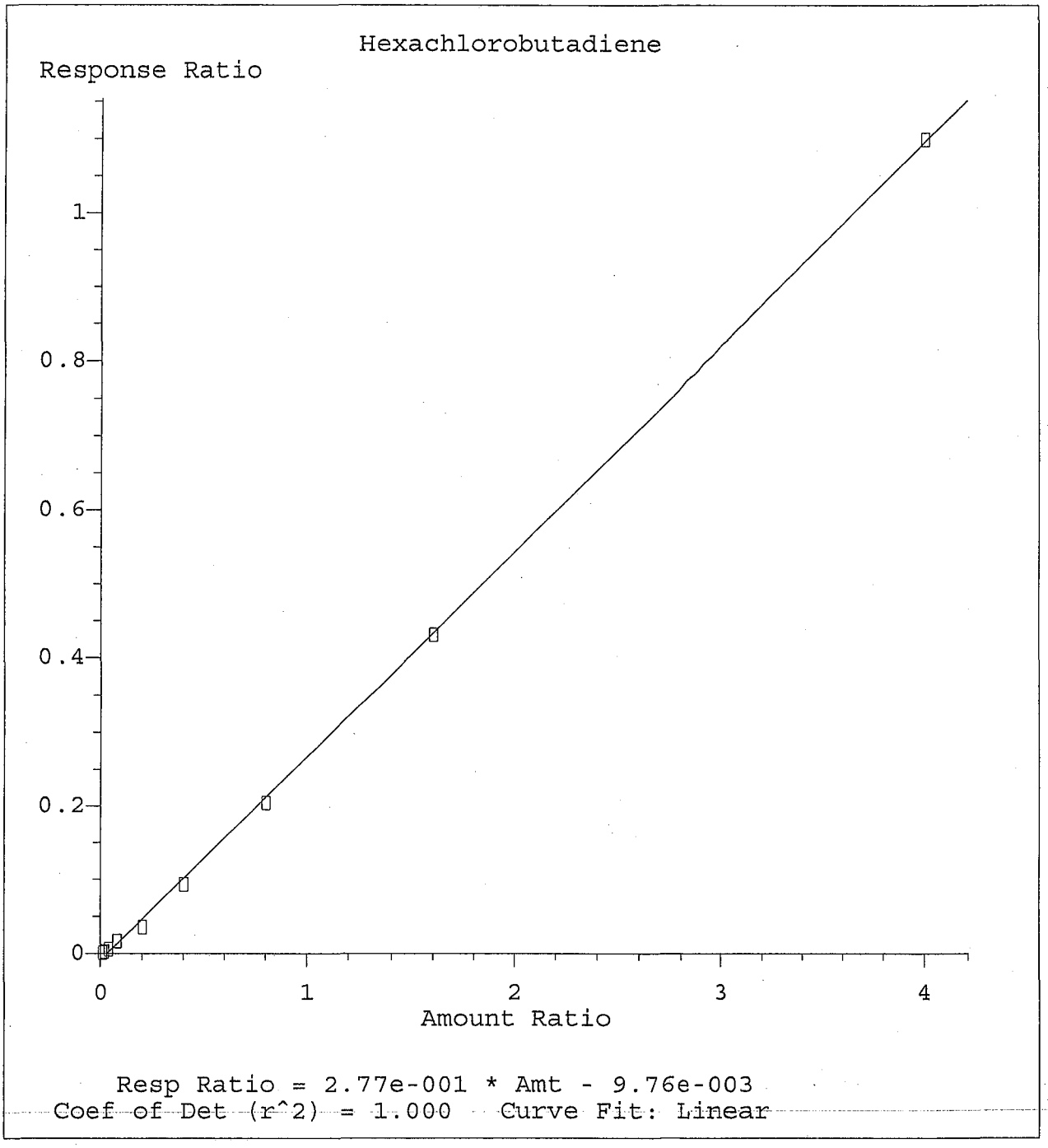

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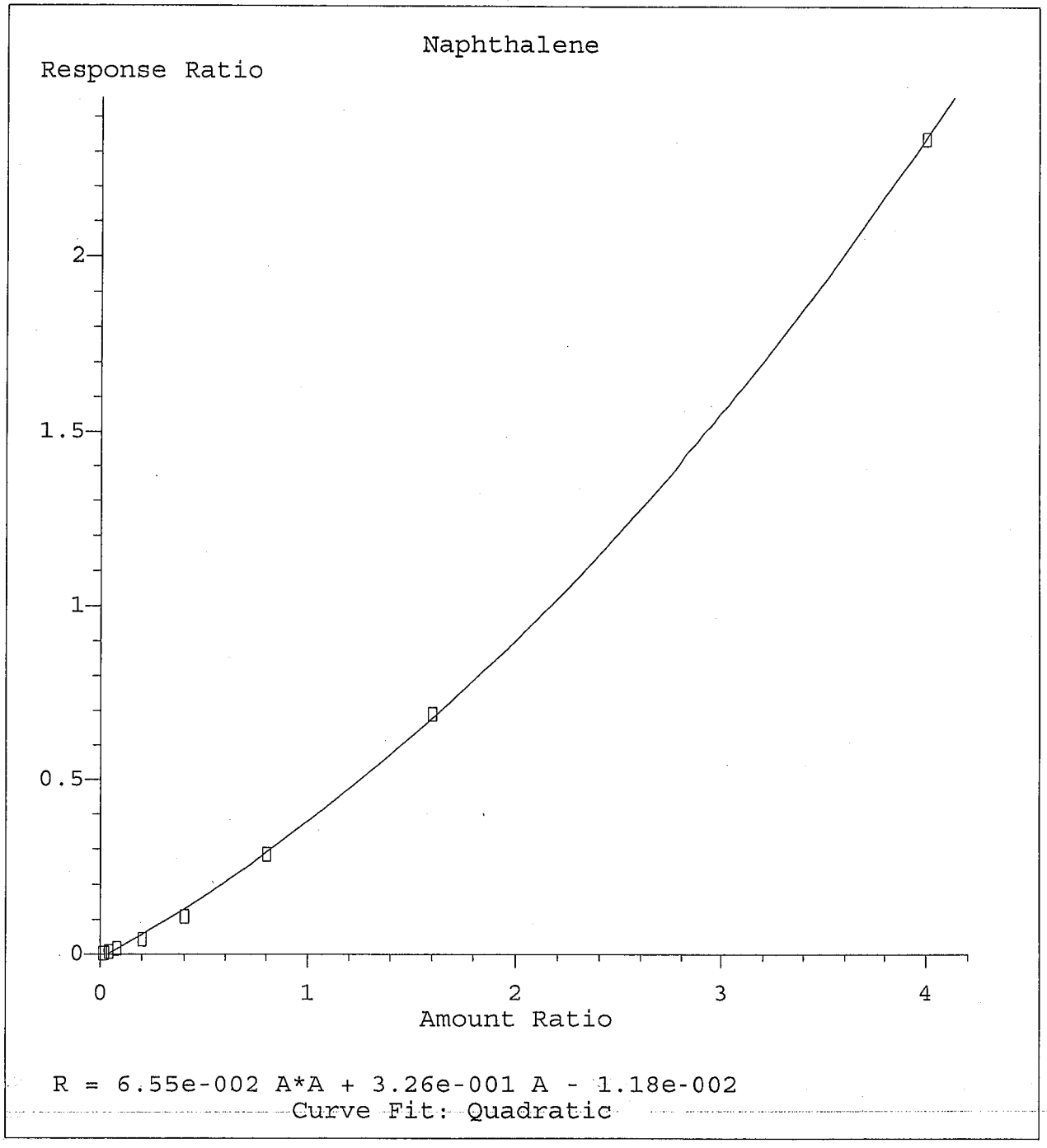
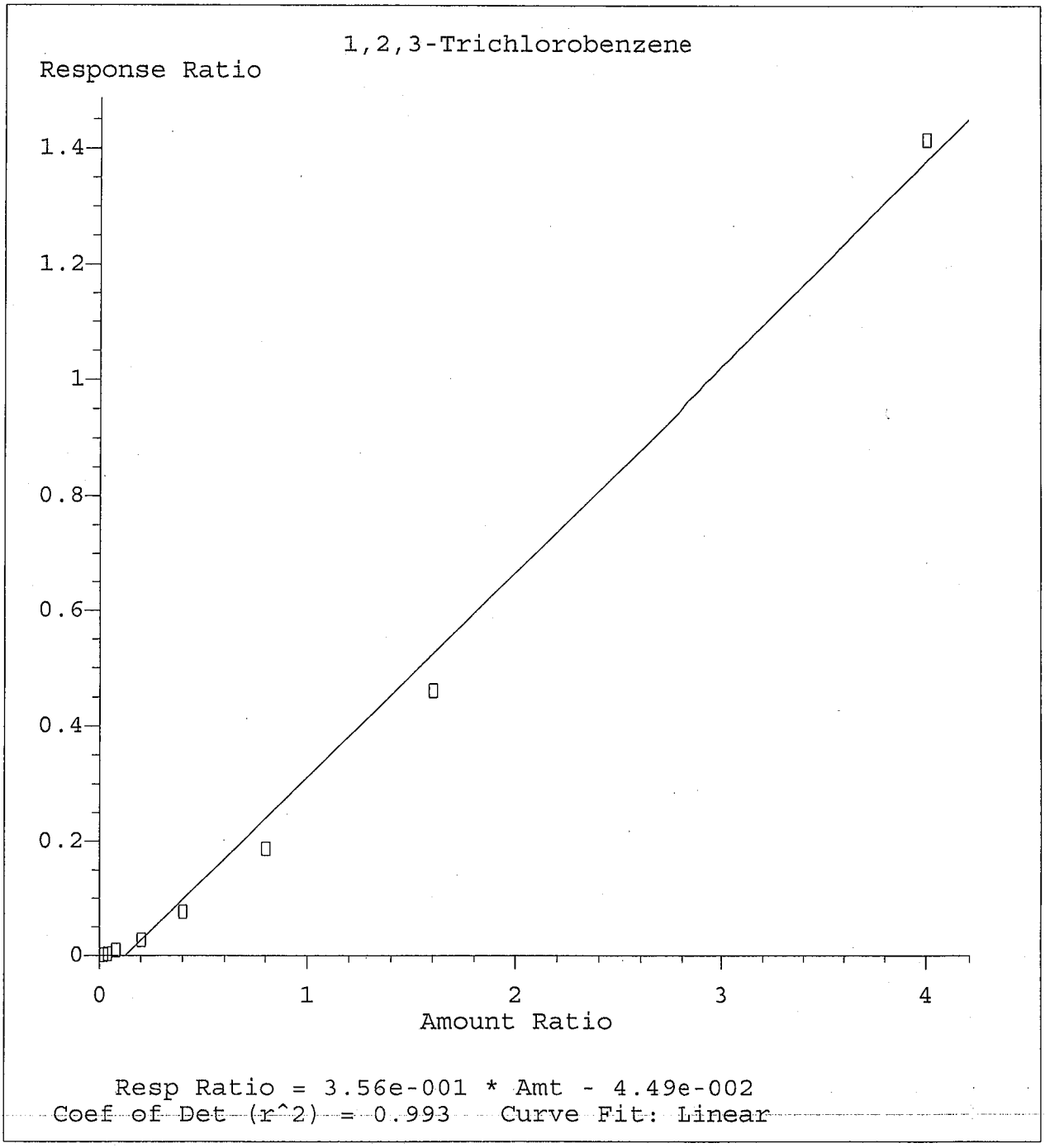


Method Name: M:\MAX\DATA\211008\M1008W.M
Calibration Table Last Updated: Mon Oct 11 11:16:12 2021



Method Name: M:\MAX\DATA\211008\M1008W.M
Calibration Table Last Updated: Mon Oct 11 11:16:12 2021

VOLATILE ORGANIC ANALYSIS BY EPA METHOD 8260B

Form 7

Second Source Calibration

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

SDG No:
Date Analyzed: 8 Oct 21 21:23
Instrument: Max
Initial Cal. Date: 10/8/2021
Data File: 1008M32.D

		Compound	MEAN	CCRF	%D		%Drift
1	TM	Chlorotrifluoroethene	0.0000	0.0110	0.00	TM	
2	TM	Dichlorodifluoromethane	0.1261	0.1469	17	TM	
3	TM	Freon 114	0.1110	0.1159	4.4	TM	
4	TM**L	Chloromethane	0.0913	0.0898	1.7	TM**L	16
5	TM*	Vinyl chloride	0.0923	0.1033	12	TM*	
6	TM	2-Chloro-1,1,1-trifluoroethane	0.0000	0.0023	0.00	TM	
7	TML	Bromomethane	0.0630	0.0746	18	TML	20
8	TML	Chloroethane	0.0864	0.0605	30	TML	0.95
9	TM	Dichlorofluoromethane	0.2082	0.2162	3.8	TM	
10	TM	Trichlorofluoromethane	0.2364	0.2597	9.9	TM	
11	TM	Acrolein	0.0245	0.0218	11	TM	
12	TM	Acetone	0.0282	0.0272	3.4	TM	
13	TM	Freon-113	0.1110	0.1167	5.1	TM	
14	TM	Acetonitrile	0.0080	0.0094	18	TM	
15	TML	2-propanol	0.0000	0.0004	0.00	TML	
16	TM	1,2-Dichlorotrifluoroethane	0.2083	0.2162	3.8	TM	
17	TM*	1,1-DCE	0.1438	0.1668	16	TM*	
18	TMQ	t-Butanol	0.0108	0.0118	8.9	TMQ	2.9
19	TM	Methyl Acetate	0.0507	0.0550	8.4	TM	
20	TML	Iodomethane	0.0846	0.0971	15	TML	1.0
21	TML	Acrylonitrile	0.0241	0.0307	27	TML	9.3
22	TM	2-Methylpentane	0.0000	0.0001	0.00	TM	
23	TM	Methylene chloride	0.1037	0.1203	16	TM	
24	TM	Carbon disulfide	0.1401	0.1362	2.8	TM	
25	TM	Methyl t-butyl ether (MtBE)	0.3351	0.3621	8.1	TM	
26	TML	Trans-1,2-DCE	0.0890	0.1167	31	TML	15
27	TML	3-Methylpentane	0.0548	0.0672	22	TML	19
28	TM	Hexane	0.0000	0.0004	0.00	TM	
29	TM	Diisopropyl Ether	0.2335	0.2398	2.7	TM	
30	TM**	1,1-DCA	0.1712	0.1825	6.6	TM**	
31	TM	Vinyl Acetate	0.0826	0.0802	2.9	TM	
32	TM	Ethyl tert Butyl Ether	0.3076	0.3271	6.3	TM	
33	TML	Methylcyclopentane	0.0000	0.0140	0.00	TML	
34	TM	MEK (2-Butanone)	0.0330	0.0348	5.5	TM	
35	TM	Cis-1,2-DCE	0.1196	0.1244	4.1	TM	
36	TM	2,2-Dichloropropane	0.2211	0.2210	0.07	TM	
37	TM*	Chloroform	0.2322	0.2487	7.1	TM*	
38	TML	Bromochloromethane	0.0837	0.1041	24	TML	14
39	TM	1,1,1-TCA	0.2447	0.2838	16	TM	
40	TM	Cyclohexane	0.0754	0.0832	10	TM	
		Average			9.5		

VOLATILE ORGANIC ANALYSIS BY EPA METHOD 8260B

Form 7

Second Source Calibration

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

SDG No:
Date Analyzed: 8 Oct 21 21:23
Instrument: Max
Cal. Date: 10/8/2021
Data File: 1008M32.D

		Compound	MEAN	CCRF	%D		%Drift
41	TM	1,1-Dichloropropene	0.1385	0.1526	10	TM	
42	TM	2,2,4-Trimethylpentane	0.2271	0.2212	2.6	TM	
43	TM	Carbon Tetrachloride	0.2213	0.2613	18	TM	
44	TM	Tert Amyl Methyl Ether	0.3041	0.3292	8.3	TM	
45	TM	1,2-DCA	0.2129	0.2252	5.8	TM	
46	TM	Benzene	0.3878	0.4336	12	TM	
47	TML	TCE	0.1287	0.1214	5.7	TML	0.44
48	TM	2-Pentanone	0.0554	0.0596	7.5	TM	
49	TM*L	1,2-Dichloropropane	0.0444	0.0474	6.7	TM*L	13
50	TM	Bromodichloromethane	0.1815	0.2001	10	TM	
51	TML	Methyl Cyclohexane	0.1552	0.1648	6.2	TML	7.1
52	TM	Dibromomethane	0.0689	0.0717	4.1	TM	
53	TM	MIBK (methyl isobutyl ketone)	0.0755	0.0766	1.5	TM	
54	TM	1-Bromo-2-chloroethane	0.0260	0.0306	18	TM	
55	TM	2-Chloroethyl vinyl ether	0.0000	0.0000	0.00	TM	
56	TM	Cis-1,3-Dichloropropene	0.1718	0.1896	10	TM	
57	TM*	Toluene	0.4785	0.5258	9.9	TM*	
58	TM	Trans-1,3-Dichloropropene	0.1760	0.1946	11	TM	
59	TM	1,1,2-TCA	0.0748	0.0817	9.3	TM	
60	TM	2-Hexanone	0.0538	0.0538	0.03	TM	
61	TM	1,2-EDB	0.1103	0.1254	14	TM	
62	TM	Tetrachloroethene	0.1082	0.1162	7.4	TM	
63	TM	1-Chlorohexane	0.1006	0.1066	6.0	TM	
64	TM	1,1,1,2-Tetrachloroethane	0.1807	0.2069	14	TM	
65	TM	m&p-Xylene	0.2729	0.3195	17	TM	
66	TM	o-Xylene	0.2769	0.3210	16	TM	
67	TM	Styrene	0.4516	0.5127	14	TM	
68	TM	1,3-Dichloropropane	0.1692	0.1960	16	TM	
69	TM	Dibromochloromethane	0.1711	0.1883	10	TM	
70	TM**	Chlorobenzene	0.4165	0.4553	9.3	TM**	
71	TM*	Ethylbenzene	0.6296	0.7332	16	TM*	
72	TM**	Bromoform	0.1427	0.1620	14	TM**	
73	TM	Isopropylbenzene	1.087	1.224	13	TM	
74	TM**	1,1,2,2-Tetrachloroethane	0.1813	0.2058	13	TM**	
75	TML	1,2,3-Trichloropropane	0.0838	0.1027	22	TML	18
76	TML	t-1,4-Dichloro-2-Butene	0.0498	0.0664	33	TML	18
77	TM	Bromobenzene	0.3723	0.3831	2.9	TM	
78	TM	n-Propylbenzene	1.087	1.226	13	TM	
79	TM	4-Ethyltoluene	1.023	1.127	10	TM	
80	TM	2-Chlorotoluene	0.8480	0.9514	12	TM	
		Average			10.7		

VOLATILE ORGANIC ANALYSIS BY
EPA METHOD 8260B

Form 7

Second Source Calibration

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

SDG No:
Date Analyzed: 8 Oct 21 21:23
Instrument: Max
Cal. Date: 10/8/2021
Data File: 1008M32.D

		Compound	MEAN	CCRF	%D		%Drift
81	TM	1,3,5-Trimethylbenzene	0.9303	1.100	18	TM	
82	TM	4-Chlorotoluene	0.8557	0.9697	13	TM	
83	TM	Tert-Butylbenzene	0.5275	0.6123	16	TM	
84	TML	1,2,4-Trimethylbenzene	0.8583	1.074	25	TML	16
85	TM	Sec-Butylbenzene	0.9776	1.163	19	TM	
86	TML	p-Isopropyltoluene	0.8661	1.124	30	TML	12
87	TM	Benzyl Chloride	0.2559	0.2448	4.3	TM	
88	TM	1,3-DCB	0.6067	0.7146	18	TM	
89	TML	1,4-DCB	0.6582	0.6863	4.3	TML	13
90	TML	n-Butylbenzene	0.4850	0.6510	34	TML	3.3
91	TM	1,2-DCB	0.5974	0.6837	14	TM	
92	TML	Hexachloroethane	0.1734	0.1834	5.8	TML	11
93	TML	1,2-Dibromo-3-chloropropane	0.0397	0.0478	20	TML	2.5
94	TML	1,2,4-Trichlorobenzene	0.1544	0.1808	17	TML	13
95	TML	Hexachlorobutadiene	0.2019	0.2480	23	TML	1.5
96	TMQ	Naphthalene	0.2946	0.3190	8.3	TMQ	0.96
97	TML	1,2,3-Trichlorobenzene	0.1831	0.2198	20	TML	6.7
98							
99							
100							
101							
102							
103							
104							
105							
106							
107							
108							
109							
110							
111							
112							
113							
114							
115							
116							
117							
118							
119							
120							
		Average			17.0		

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211008\1008M32.D Vial: 12
Acq On : 8 Oct 21 21:23 Operator: LP,DG,CH
Sample : (SS) 10ug/L VOC STD 10/8/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 11 11:18 2021 Quant Results File: M1008W.RES

Quant Method : M:\MAX\DATA\211008\M1008W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Mon Oct 11 11:16:12 2021
Response via : Initial Calibration
DataAcq Meth : M8260

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene (IS)	6.29	96	393662	25.00	ppb		0.00
65) Chlorobenzene-D5 (IS)	9.46	117	362431	25.00	ppb		0.00
80) 1,4-Dichlorobenzene-D (IS)	11.78	152	250840	25.00	ppb		0.00
System Monitoring Compounds							
41) Dibromofluoromethane(S)	5.50	111	116518	24.57	ppb		0.00
Spiked Amount 25.000			Recovery =	98.292%			
46) 1,2-DCA-D4(S)	5.89	65	79040	24.48	ppb		0.00
Spiked Amount 25.000			Recovery =	97.916%			
66) Toluene-D8(S)	8.00	98	407721	24.89	ppb		0.00
Spiked Amount 25.000			Recovery =	99.576%			
74) 4-Bromofluorobenzene(S)	10.63	95	182088	25.64	ppb		0.00
Spiked Amount 25.000			Recovery =	102.552%			
Target Compounds							Qvalue
3) Dichlorodifluoromethane	1.17	85	23136	11.66	ppb		96
4) Freon 114	1.26	85	18246	10.44	ppb		95
5) Chloromethane	1.30	50	14143	11.58	ppb		97
6) Vinyl chloride	1.39	62	16262	11.19	ppb	#	82
8) Bromomethane	1.65	94	11739	12.00	ppb		84
9) Chloroethane	1.74	64	9523	9.91	ppb		97
10) Dichlorofluoromethane	1.94	67	34042	10.38	ppb		96
11) Trichlorofluoromethane	1.96	101	40892	10.99	ppb		96
13) Acrolein	2.38	56	51447	133.26	ppb		92
14) Acetone	2.56	43	21430	48.29	ppb		92
15) Freon-113	2.47	151	18369	10.51	ppb		98
16) Acetonitrile	2.87	41	18478	147.14	ppb	#	81
18) 1,2-Dichlorotrifluoroethan	1.94	67	34042	10.38	ppb		100
19) 1,1-DCE	2.46	61	26258	11.60	ppb		91
20) t-Butanol	3.27	59	23195	128.58	ppb		97
21) Methyl Acetate	2.93	43	8657	10.84	ppb		94
22) Iodomethane	2.61	142	15286	9.90	ppb		97
23) Acrylonitrile	3.36	53	4837	10.93	ppb		93
25) Methylene chloride	3.03	84	18949	11.61	ppb		94
26) Carbon disulfide	2.66	76	21440	9.72	ppb		97
27) Methyl t-butyl ether (MtBE	3.40	73	57012	10.81	ppb		95
28) Trans-1,2-DCE	3.37	96	18375	11.50	ppb		92
29) 3-Methylpentane	3.41	57	10575	11.95	ppb		86
31) Diisopropyl Ether	4.17	45	37759	10.27	ppb		96
32) 1,1-DCA	3.99	63	28735	10.66	ppb		95
33) Vinyl Acetate	4.14	43	12635	9.71	ppb		95
34) Ethyl tert Butyl Ether	4.70	59	51503	10.63	ppb		100

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

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211008\1008M32.D Vial: 12
Acq On : 8 Oct 21 21:23 Operator: LP,DG,CH
Sample : (SS) 10ug/L VOC STD 10/8/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 11 11:18 2021 Quant Results File: M1008W.RES

Quant Method : M:\MAX\DATA\211008\M1008W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Mon Oct 11 11:16:12 2021
Response via : Initial Calibration
DataAcq Meth : M8260

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
36)	MEK (2-Butanone)	4.92	43	27378	52.75	ppb		93
37)	Cis-1,2-DCE	4.85	96	19595	10.41	ppb		93
38)	2,2-Dichloropropane	4.83	77	34798	9.99	ppb		98
39)	Chloroform	5.30	83	39162	10.71	ppb		97
40)	Bromochloromethane	5.16	130	16393	11.42	ppb		94
42)	1,1,1-TCA	5.48	97	44690	11.60	ppb		92
43)	Cyclohexane	5.52	41	13094	11.03	ppb		96
44)	1,1-Dichloropropene	5.69	75	24026	11.02	ppb		97
45)	2,2,4-Trimethylpentane	6.06	57	34825	9.74	ppb		97
47)	Carbon Tetrachloride	5.68	117	41151	11.81	ppb		93
48)	Tert Amyl Methyl Ether	6.13	73	51840	10.83	ppb		98
49)	1,2-DCA	5.98	62	35466	10.58	ppb		97
50)	Benzene	5.94	78	68284	11.18	ppb		92
51)	TCE	6.70	95	19119	9.96	ppb		76
52)	2-Pentanone	6.96	43	117374	134.44	ppb		99
53)	1,2-Dichloropropane	6.94	63	7466	11.32	ppb	#	89
54)	Bromodichloromethane	7.26	83	31508	11.03	ppb		90
55)	Methyl Cyclohexane	6.89	83	25956	10.71	ppb		90
56)	Dibromomethane	7.07	93	11296	10.41	ppb		87
57)	MIBK (methyl isobutyl ket	7.93	43	60348	50.77	ppb	#	92
58)	1-Bromo-2-chloroethane	7.57	144	4816	11.79	ppb	#	50
60)	Cis-1,3-Dichloropropene	7.74	75	29854	11.03	ppb		97
61)	Toluene	8.07	91	82800	10.99	ppb		96
62)	Trans-1,3-Dichloropropene	8.33	75	30647	11.06	ppb		91
63)	1,1,2-TCA	8.50	83	12869	10.93	ppb		84
64)	2-Hexanone	8.78	43	42375	50.02	ppb		96
67)	1,2-EDB	8.99	107	18177	11.36	ppb		92
68)	Tetrachloroethene	8.62	164	16848	10.74	ppb		95
69)	1-Chlorohexane	9.49	91	15454	10.60	ppb		97
70)	1,1,1,2-Tetrachloroethane	9.58	131	29993	11.45	ppb		92
71)	m&p-Xylene	9.73	106	92633	23.41	ppb		94
72)	o-Xylene	10.12	106	46532	11.59	ppb		93
73)	Styrene	10.13	104	74327	11.35	ppb		96
75)	1,3-Dichloropropane	8.66	76	28409	11.58	ppb		95
76)	Dibromochloromethane	8.89	129	27300	11.01	ppb		93
77)	Chlorobenzene	9.48	112	66004	10.93	ppb		97
78)	Ethylbenzene	9.60	91	106292	11.65	ppb		99
79)	Bromoform	10.31	173	23486	11.35	ppb		95
81)	Isopropylbenzene	10.49	105	122813	11.26	ppb		99
82)	1,1,2,2-Tetrachloroethane	10.80	83	20646	11.35	ppb		95
83)	1,2,3-Trichloropropane	10.83	110	10303	11.76	ppb		94
84)	t-1,4-Dichloro-2-Butene	10.86	53	6661	11.85	ppb		81

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

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211008\1008M32.D Vial: 12
Acq On : 8 Oct 21 21:23 Operator: LP,DG,CH
Sample : (SS) 10ug/L VOC STD 10/8/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 11 11:18 2021 Quant Results File: M1008W.RES

Quant Method : M:\MAX\DATA\211008\M1008W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Mon Oct 11 11:16:12 2021
Response via : Initial Calibration
DataAcq Meth : M8260

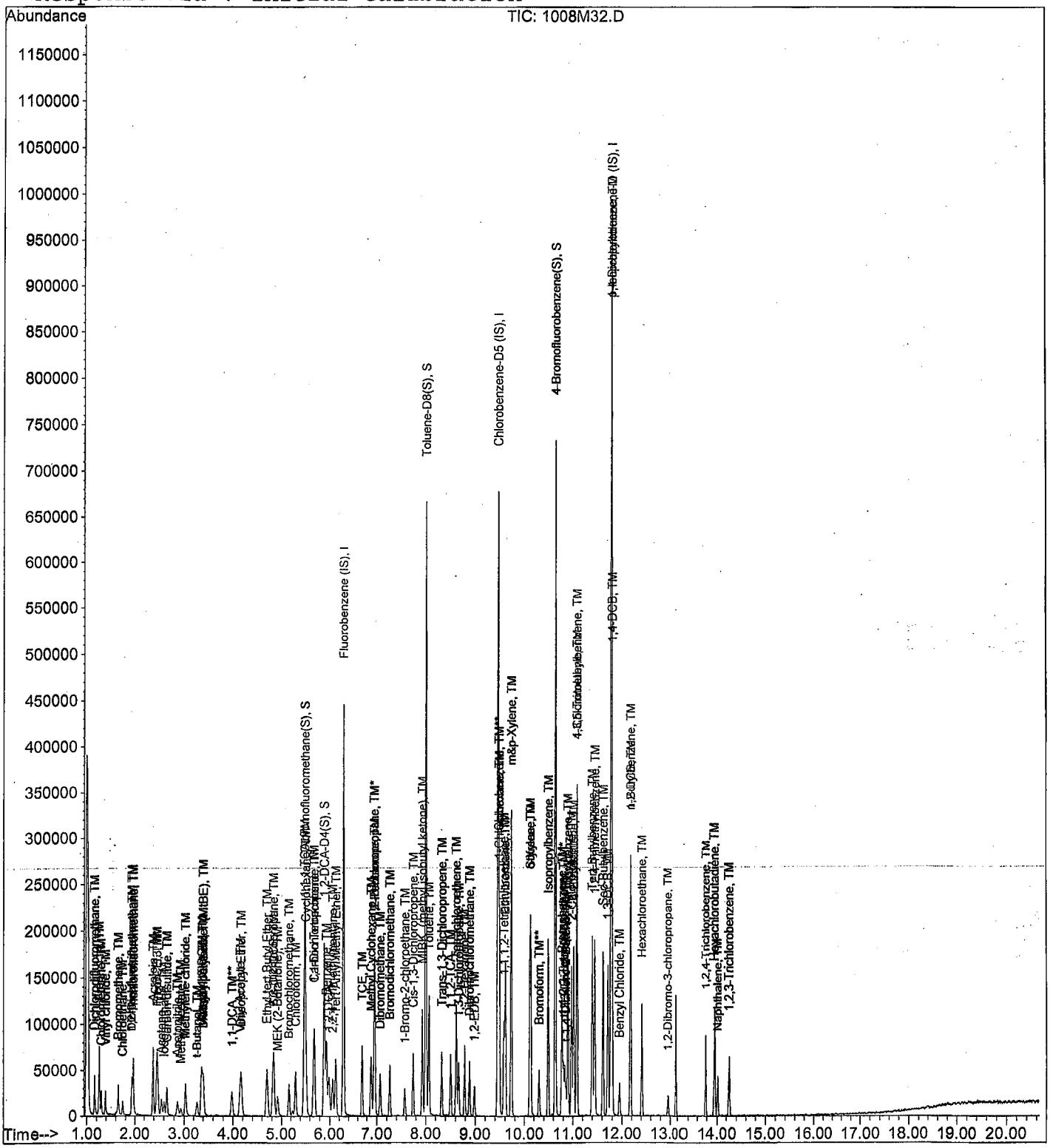
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
85)	Bromobenzene	10.77	156	38439	10.29	ppb		99
86)	n-Propylbenzene	10.90	91	123059	11.28	ppb		99
87)	4-Ethyltoluene	11.02	105	113097	11.02	ppb		98
88)	2-Chlorotoluene	10.97	91	95464	11.22	ppb		93
89)	1,3,5-Trimethylbenzene	11.08	105	110353	11.82	ppb		97
90)	4-Chlorotoluene	11.08	91	97295	11.33	ppb		93
91)	Tert-Butylbenzene	11.40	119	61432	11.61	ppb		98
92)	1,2,4-Trimethylbenzene	11.45	105	107784	11.63	ppb		96
93)	Sec-Butylbenzene	11.62	105	116682	11.90	ppb		99
94)	p-Isopropyltoluene	11.77	119	112783	11.17	ppb		97
95)	Benzyl Chloride	11.95	91	24563	9.57	ppb		91
96)	1,3-DCB	11.71	146	71698	11.78	ppb		96
97)	1,4-DCB	11.80	146	68862	11.29	ppb		98
98)	n-Butylbenzene	12.17	91	65317	10.33	ppb		97
99)	1,2-DCB	12.17	146	68597	11.44	ppb		97
100)	Hexachloroethane	12.41	117	18403	11.10	ppb		87
101)	1,2-Dibromo-3-chloropropan	12.95	75	4793	10.25	ppb		89
102)	1,2,4-Trichlorobenzene	13.77	180	18144	8.74	ppb	#	85
103)	Hexachlorobutadiene	13.95	225	24881	9.85	ppb		94
104)	Naphthalene	14.01	128	32005	9.90	ppb	#	91
105)	1,2,3-Trichlorobenzene	14.25	180	22052	9.33	ppb		96

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

Data File : M:\MAX\DATA\211008\1008M32.D Vial: 12
Acq On : 8 Oct 21 21:23 Operator: LP,DG,CH
Sample : (SS) 10ug/L VOC STD 10/8/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 11 11:18 2021 Quant Results File: M1008W.RES

Method : M:\MAX\DATA\211008\M1008W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Mon Oct 11 11:16:12 2021
Response via : Initial Calibration



VOLATILE ORGANIC ANALYSIS BY EPA METHOD 8260B

Form 7

Continuing Calibration

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

SDG No:
Date Analyzed: 10/14/2021
Instrument: Max
Initial Cal. Date: 10/8/2021
Data File: 1014M02.D

		Compound	MEAN	CCRF	%D		%Drift	
1	I	Fluorobenzene (IS)	ISTD			I		
2	TM	Chlorotrifluoroethene	0.0000	0.0055	0.00	TM		
3	TM	Dichlorodifluoromethane	0.1261	0.1634	30	TM		*NT
4	TM	Freon 114	0.1110	0.1136	2.3	TM		
5	TM**L	Chloromethane	0.0913	0.0863	5.5	TM**L	11	
6	TM*	Vinyl chloride	0.0923	0.1064	15	TM*		
7	TM	2-Chloro-1,1,1-trifluoroethane	0.0000	0.0038	0.00	TM		
8	TML	Bromomethane	0.0630	0.0826	31	TML	33	*NT
9	TML	Chloroethane	0.0864	0.0592	31	TML	2.9	
10	TM	Dichlorofluoromethane	0.2082	0.2330	12	TM		
11	TM	Trichlorofluoromethane	0.2364	0.2874	22	TM		*NT
12	TM	2,2-Dichloro-1,1,1-trifluoroethane	0.0000	0.0003	0.00	TM		
13	TM	Acrolein	0.0245	0.0106	57	TM		*NT
14	TM	Acetone	0.0282	0.0267	5.1	TM		
15	TM	Freon-113	0.1110	0.1237	11	TM		
16	TM	Acetonitrile	0.0080	0.0068	14	TM		
17	TML	2-propanol	0.0000	0.0000	0.00	TML		
18	TM	1,2-Dichlorotrifluoroethane	0.2083	0.2330	12	TM		
19	TM*	1,1-DCE	0.1438	0.1588	10	TM*		
20	TMQ	t-Butanol	0.0108	0.0090	17	TMQ	15	
21	TM	Methyl Acetate	0.0507	0.0558	10	TM		
22	TML	Iodomethane	0.0846	0.1106	31	TML	11	
23	TML	Acrylonitrile	0.0241	0.0299	24	TML	6.3	
24	TM	Methylene chloride	0.1037	0.1060	2.2	TM		
25	TM	Carbon disulfide	0.1401	0.1458	4.1	TM		
26	TM	Methyl t-butyl ether (MtBE)	0.3351	0.3749	12	TM		
27	TML	Trans-1,2-DCE	0.0890	0.1077	21	TML	5.7	
28	TML	3-Methylpentane	0.0548	0.0630	15	TML	12	
29	TM	Hexane	0.0000	0.0005	0.00	TM		
30	TM	Diisopropyl Ether	0.2335	0.2403	2.9	TM		
31	TM**	1,1-DCA	0.1712	0.1836	7.2	TM**		
32	TM	Ethyl tert Butyl Ether	0.3076	0.3177	3.3	TM		
33	TML	Methylcyclopentane	0.0000	0.0003	0.00	TML		
34	TM	MEK (2-Butanone)	0.0330	0.0305	7.4	TM		
35	TM	Cis-1,2-DCE	0.1196	0.1212	1.3	TM		
36	TM	2,2-Dichloropropane	0.2211	0.2419	9.4	TM		
37	TM*	Chloroform	0.2322	0.2540	9.4	TM*		
38	TML	Bromochloromethane	0.0837	0.0939	12	TML	2.5	
39	S	Dibromofluoromethane(S)	0.3011	0.3024	0.42	S		
40	TM	1,1,1-TCA	0.2447	0.2871	17	TM		
		Average			11.9			

VOLATILE ORGANIC ANALYSIS BY
EPA METHOD 8260B

Form 7

Continuing Calibration

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

SDG No:
Date Analyzed: 10/14/2021
Instrument: Max
Cal. Date: 10/8/2021
Data File: 1014M02.D

		Compound	MEAN	CCRF	%D		%Drift
41	TM	Cyclohexane	0.0754	0.0854	13	TM	
42	TM	1,1-Dichloropropene	0.1385	0.1371	1.0	TM	
43	TM	2,2,4-Trimethylpentane	0.2271	0.2208	2.8	TM	
44	S	1,2-DCA-D4(S)	0.2051	0.2060	0.46	S	
45	TM	Carbon Tetrachloride	0.2213	0.2622	18	TM	
46	TM	Tert Amyl Methyl Ether	0.3041	0.3056	0.49	TM	
47	TM	1,2-DCA	0.2129	0.2288	7.5	TM	
48	TM	Benzene	0.3878	0.4055	4.6	TM	
49	TML	TCE	0.1287	0.1313	2.0	TML	8.1
50	TM	2-Pentanone	0.0554	0.0544	1.8	TM	
51	TM*L	1,2-Dichloropropane	0.0444	0.0463	4.1	TM*L	10
52	TM	Bromodichloromethane	0.1815	0.1969	8.5	TM	
53	TML	Methyl Cyclohexane	0.1552	0.1698	9.4	TML	11
54	TM	Dibromomethane	0.0689	0.0746	8.3	TM	
55	TM	MIBK (methyl isobutyl ketone)	0.0755	0.0698	7.6	TM	
56	TM	1-Bromo-2-chloroethane	0.0260	0.0277	6.6	TM	
57	TM	2-Chloroethyl vinyl ether	0.0000	0.0000	0.00	TM	
58	TM	Cis-1,3-Dichloropropene	0.1718	0.1734	0.89	TM	
59	TM*	Toluene	0.4785	0.4735	1.0	TM*	
60	TM	Trans-1,3-Dichloropropene	0.1760	0.1821	3.5	TM	
61	TM	1,1,2-TCA	0.0748	0.0747	0.08	TM	
62	TM	2-Hexanone	0.0538	0.0464	14	TM	
63	I	Chlorobenzene-D5 (IS)	ISTD			I	
64	S	Toluene-D8(S)	1.130	1.144	1.3	S	
65	TM	1,2-EDB	0.1103	0.1323	20	TM	
66	TM	Tetrachloroethene	0.1082	0.1197	11	TM	
67	TM	1-Chlorohexane	0.1006	0.1072	6.6	TM	
68	TM	1,1,1,2-Tetrachloroethane	0.1807	0.2005	11	TM	
69	TM	m&p-Xylene	0.2729	0.2840	4.1	TM	
70	TM	o-Xylene	0.2769	0.2798	1.1	TM	
71	TM	Styrene	0.4516	0.4701	4.1	TM	
72	S	4-Bromofluorobenzene(S)	0.4899	0.4626	5.6	S	
73	TM	1,3-Dichloropropane	0.1692	0.1799	6.3	TM	
74	TM	Dibromochloromethane	0.1711	0.1884	10	TM	
75	TM**	Chlorobenzene	0.4165	0.4310	3.5	TM**	
76	TM*	Ethylbenzene	0.6296	0.6633	5.4	TM*	
77	TM**	Bromoform	0.1427	0.1491	4.5	TM**	
78	I	1,4-Dichlorobenzene-D (IS)	ISTD			I	
79	TM	Isopropylbenzene	1.087	1.120	3.0	TM	
80	TM**	1,1,2,2-Tetrachloroethane	0.1813	0.1827	0.75	TM**	
		Average			5.6		

VOLATILE ORGANIC ANALYSIS BY
EPA METHOD 8260B

Form 7

Continuing Calibration

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

SDG No:
Date Analyzed: 10/14/2021
Instrument: Max
Cal. Date: 10/8/2021
Data File: 1014M02.D

		Compound	MEAN	CCRF	%D		%Drift
81	TML	1,2,3-Trichloropropane	0.0838	0.0939	12	TML	7.3
82	TML	t-1,4-Dichloro-2-Butene	0.0498	0.0472	5.3	TML	16
83	TM	Bromobenzene	0.3723	0.3677	1.2	TM	
84	TM	n-Propylbenzene	1.087	1.148	5.6	TM	
85	TM	4-Ethyltoluene	1.023	1.152	13	TM	
86	TM	2-Chlorotoluene	0.8480	0.8642	1.9	TM	
87	TM	1,3,5-Trimethylbenzene	0.9303	0.9702	4.3	TM	
88	TM	4-Chlorotoluene	0.8557	0.8852	3.5	TM	
89	TM	Tert-Butylbenzene	0.5275	0.6031	14	TM	
90	TML	1,2,4-Trimethylbenzene	0.8583	0.9481	10	TML	2.9
91	TM	Sec-Butylbenzene	0.9776	1.090	11	TM	
92	TML	p-Isopropyltoluene	0.8661	1.037	20	TML	3.4
93	TM	Benzyl Chloride	0.2559	0.2077	19	TM	
94	TM	1,3-DCB	0.6067	0.6363	4.9	TM	
95	TML	1,4-DCB	0.6582	0.6230	5.4	TML	2.0
96	TML	n-Butylbenzene	0.4850	0.5998	24	TML	4.1
97	TM	1,2-DCB	0.5974	0.6343	6.2	TM	
98	TML	Hexachloroethane	0.1734	0.1647	5.0	TML	0.58
99	TML	1,2-Dibromo-3-chloropropane	0.0397	0.0450	14	TML	2.8
100	TML	1,2,4-Trichlorobenzene	0.1544	0.1934	25	TML	8.0
101	TML	Hexachlorobutadiene	0.2019	0.2464	22	TML	2.1
102	TMQ	Naphthalene	0.2946	0.3364	14	TMQ	3.6
103	TML	1,2,3-Trichlorobenzene	0.1831	0.2279	24	TML	4.4
104							
105							
106							
107							
108							
109							
110							
111							
112							
113							
114							
115							
116							
117							
118							
119							
120							
		Average			11.5		

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211008\1014M02.D Vial: 2
Acq On : 14 Oct 21 10:00 Operator: LP,DG,CH
Sample : 211014A CCV 10ug/L Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 29 14:30 2021 Quant Results File: M1008W.RES

Quant Method : M:\MAX\DATA\211008\M1008W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Mon Oct 11 11:16:12 2021
Response via : Initial Calibration
DataAcq Meth : M8260

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene (IS)	6.33	96	398639	25.00	ppb		0.04
65) Chlorobenzene-D5 (IS)	9.49	117	351442	25.00	ppb		0.04
80) 1,4-Dichlorobenzene-D (IS)	11.82	152	231647	25.00	ppb		0.04
System Monitoring Compounds							
41) Dibromofluoromethane(S)	5.55	111	120546	25.11	ppb		0.05
Spiked Amount 25.000			Recovery = 100.420%				
46) 1,2-DCA-D4(S)	5.94	65	82120	25.12	ppb		0.04
Spiked Amount 25.000			Recovery = 100.464%				
66) Toluene-D8(S)	8.04	98	402090	25.32	ppb		0.04
Spiked Amount 25.000			Recovery = 101.272%				
74) 4-Bromofluorobenzene(S)	10.67	95	162582	23.61	ppb		0.04
Spiked Amount 25.000			Recovery = 94.428%				
Target Compounds							Qvalue
3) Dichlorodifluoromethane	1.18	85	26048	12.96	ppb		96
4) Freon 114	1.28	85	18114	10.23	ppb		93
5) Chloromethane	1.33	50	13762	11.12	ppb		99
6) Vinyl chloride	1.41	62	16967	11.53	ppb		88
8) Bromomethane	1.67	94	13171	13.31	ppb		96
9) Chloroethane	1.77	64	9446	9.71	ppb	#	79
10) Dichlorofluoromethane	1.96	67	37154	11.19	ppb		96
11) Trichlorofluoromethane	2.00	101	45834	12.16	ppb		89
13) Acrolein	2.43	56	25420	65.02	ppb		87
14) Acetone	2.60	43	21322	47.45	ppb		95
15) Freon-113	2.52	151	19728	11.14	ppb		92
16) Acetonitrile	2.92	41	13613	107.05	ppb	#	93
18) 1,2-Dichlorotrifluoroethan	1.96	67	37154	11.19	ppb		100
19) 1,1-DCE	2.50	61	25317	11.04	ppb		95
20) t-Butanol	3.32	59	17927	106.75	ppb		96
21) Methyl Acetate	2.99	43	8905	11.01	ppb		85
22) Iodomethane	2.65	142	17635	11.06	ppb		90
23) Acrylonitrile	3.43	53	4763	10.63	ppb		94
25) Methylene chloride	3.07	84	16898	10.22	ppb		97
26) Carbon disulfide	2.70	76	23256	10.41	ppb		93
27) Methyl t-butyl ether (MtBE	3.46	73	59782	11.19	ppb		97
28) Trans-1,2-DCE	3.42	96	17174	10.57	ppb		89
29) 3-Methylpentane	3.45	57	10051	11.19	ppb	#	92
31) Diisopropyl Ether	4.23	45	38311	10.29	ppb		92
32) 1,1-DCA	4.04	63	29270	10.72	ppb	#	87
34) Ethyl tert Butyl Ether	4.76	59	50664	10.33	ppb		100
36) MEK (2-Butanone)	4.97	43	24333	46.30	ppb		97

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

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211008\1014M02.D Vial: 2
Acq On : 14 Oct 21 10:00 Operator: LP,DG,CH
Sample : 211014A CCV 10ug/L Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 29 14:30 2021 Quant Results File: M1008W.RES

Quant Method : M:\MAX\DATA\211008\M1008W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Mon Oct 11 11:16:12 2021
Response via : Initial Calibration
DataAcq Meth : M8260

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
37)	Cis-1,2-DCE	4.90	96	19320	10.13	ppb		91
38)	2,2-Dichloropropane	4.88	77	38568	10.94	ppb		99
39)	Chloroform	5.35	83	40496	10.94	ppb		98
40)	Bromochloromethane	5.21	130	14979	10.25	ppb		87
42)	1,1,1-TCA	5.53	97	45779	11.73	ppb		96
43)	Cyclohexane	5.58	41	13611	11.32	ppb		90
44)	1,1-Dichloropropene	5.74	75	21860	9.90	ppb		96
45)	2,2,4-Trimethylpentane	6.11	57	35202	9.72	ppb		95
47)	Carbon Tetrachloride	5.72	117	41817	11.85	ppb		96
48)	Tert Amyl Methyl Ether	6.17	73	48723	10.05	ppb		100
49)	1,2-DCA	6.03	62	36483	10.75	ppb		100
50)	Benzene	5.98	78	64654	10.46	ppb		95
51)	TCE	6.74	95	20929	10.81	ppb		90
52)	2-Pentanone	7.00	43	108491	122.71	ppb		93
53)	1,2-Dichloropropane	6.99	63	7375	11.03	ppb	#	90
54)	Bromodichloromethane	7.30	83	31403	10.85	ppb		92
55)	Methyl Cyclohexane	6.93	83	27078	11.06	ppb		92
56)	Dibromomethane	7.11	93	11896	10.83	ppb		90
57)	MIBK (methyl isobutyl ket	7.97	43	55640	46.22	ppb		97
58)	1-Bromo-2-chloroethane	7.61	144	4409	10.66	ppb	#	70
60)	Cis-1,3-Dichloropropene	7.78	75	27645	10.09	ppb		97
61)	Toluene	8.11	91	75502	9.90	ppb		97
62)	Trans-1,3-Dichloropropene	8.37	75	29039	10.35	ppb		96
63)	1,1,2-TCA	8.54	83	11917	9.99	ppb		88
64)	2-Hexanone	8.82	43	36964	43.08	ppb	#	93
67)	1,2-EDB	9.02	107	18603	11.99	ppb		87
68)	Tetrachloroethene	8.65	164	16824	11.06	ppb		96
69)	1-Chlorohexane	9.52	91	15074	10.66	ppb		91
70)	1,1,1,2-Tetrachloroethane	9.61	131	28179	11.09	ppb		84
71)	m&p-Xylene	9.76	106	79859	20.82	ppb		96
72)	o-Xylene	10.15	106	39333	10.11	ppb		91
73)	Styrene	10.17	104	66082	10.41	ppb		99
75)	1,3-Dichloropropane	8.70	76	25291	10.63	ppb		98
76)	Dibromochloromethane	8.92	129	26478	11.01	ppb		99
77)	Chlorobenzene	9.52	112	60592	10.35	ppb		99
78)	Ethylbenzene	9.64	91	93247	10.54	ppb		96
79)	Bromoform	10.34	173	20963	10.45	ppb		94
81)	Isopropylbenzene	10.53	105	103739	10.30	ppb		98
82)	1,1,2,2-Tetrachloroethane	10.83	83	16926	10.08	ppb	#	84
83)	1,2,3-Trichloropropane	10.87	110	8701	10.73	ppb		92
84)	t-1,4-Dichloro-2-Butene	10.89	53	4369	8.44	ppb		92
85)	Bromobenzene	10.81	156	34071	9.88	ppb		96

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

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211008\1014M02.D Vial: 2
Acq On : 14 Oct 21 10:00 Operator: LP,DG,CH
Sample : 211014A CCV 10ug/L Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 29 14:30 2021 Quant Results File: M1008W.RES

Quant Method : M:\MAX\DATA\211008\M1008W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Mon Oct 11 11:16:12 2021
Response via : Initial Calibration
DataAcq Meth : M8260

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
86)	n-Propylbenzene	10.93	91	106358	10.56 ppb	95
87)	4-Ethyltoluene	11.05	105	106759	11.27 ppb	97
88)	2-Chlorotoluene	11.01	91	80079	10.19 ppb	96
89)	1,3,5-Trimethylbenzene	11.12	105	89900	10.43 ppb	97
90)	4-Chlorotoluene	11.12	91	82026	10.35 ppb	99
91)	Tert-Butylbenzene	11.44	119	55880	11.43 ppb	97
92)	1,2,4-Trimethylbenzene	11.48	105	87851	10.29 ppb	96
93)	Sec-Butylbenzene	11.65	105	100954	11.14 ppb	96
94)	p-Isopropyltoluene	11.81	119	96100	10.34 ppb	95
95)	Benzyl Chloride	11.98	91	19245	8.12 ppb	97
96)	1,3-DCB	11.75	146	58955	10.49 ppb	94
97)	1,4-DCB	11.84	146	57727	10.20 ppb	95
98)	n-Butylbenzene	12.21	91	55579	9.59 ppb	96
99)	1,2-DCB	12.21	146	58776	10.62 ppb	99
100)	Hexachloroethane	12.45	117	15261	9.94 ppb	95
101)	1,2-Dibromo-3-chloropropan	12.98	75	4171	9.72 ppb	88
102)	1,2,4-Trichlorobenzene	13.81	180	17920	9.20 ppb	80
103)	Hexachlorobutadiene	13.98	225	22828	9.79 ppb	98
104)	Naphthalene	14.05	128	31172	10.36 ppb	97
105)	1,2,3-Trichlorobenzene	14.29	180	21119	9.56 ppb	98

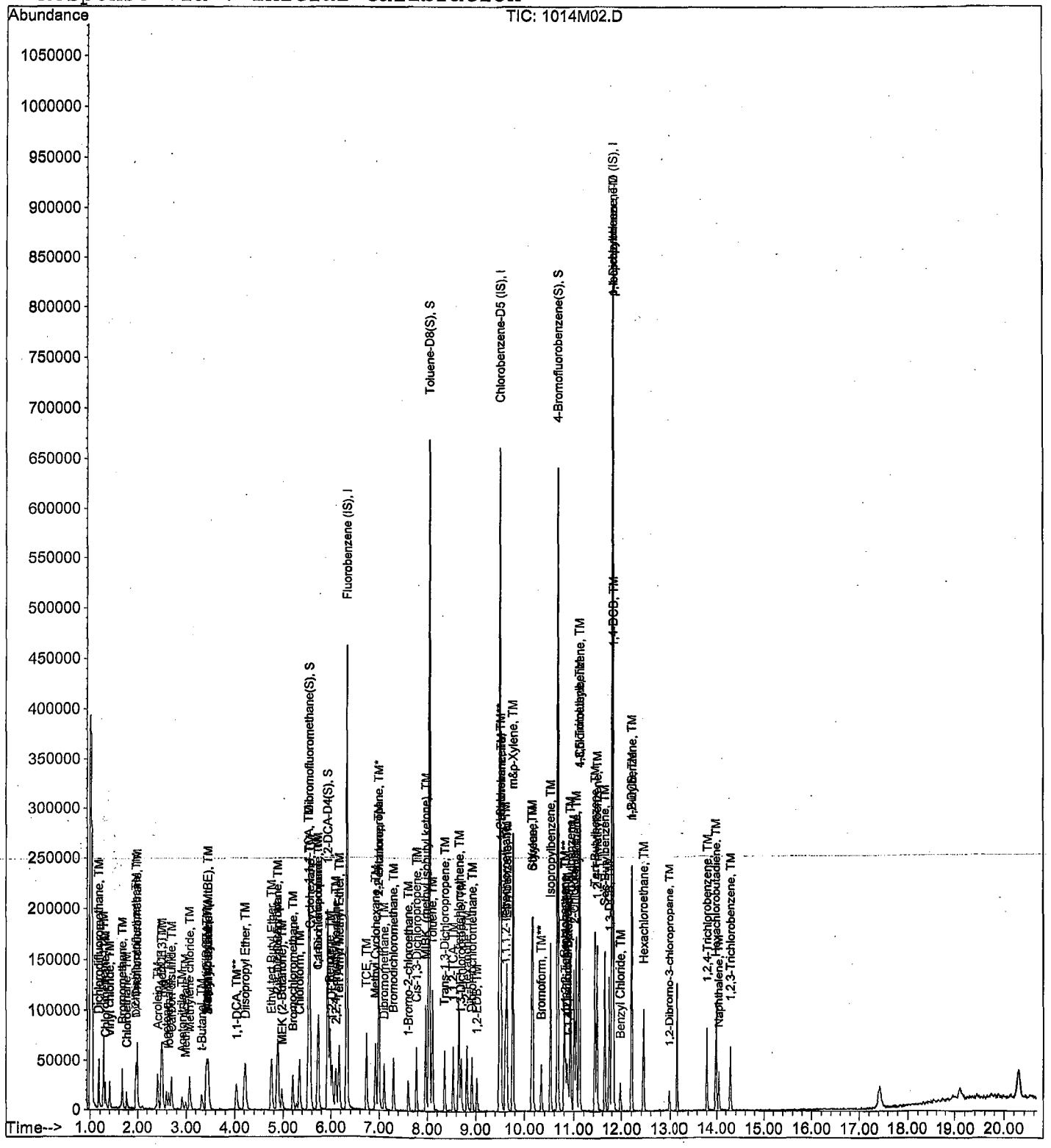
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\MAX\DATA\211008\1014M02.D Vial: 2
Acq On : 14 Oct 21 10:00 Operator: LP,DG,CH
Sample : 211014A CCV 10ug/L Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 29 14:30 2021 Quant Results File: M1008W.RES

Method : M:\MAX\DATA\211008\M1008W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Mon Oct 11 11:16:12 2021
Response via : Initial Calibration



VOLATILE ORGANIC ANALYSIS BY
EPA METHOD 8260B

Form 7

Ending Continuing Calibration

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

SDG No:
Date Analyzed: 10/14/2021
Instrument: Max
Initial Cal. Date: 10/8/2021
Data File: 1014M26.D

		Compound	MEAN	CCRF	%D		%Drift	
1	I	Fluorobenzene (IS)	ISTD			I		
2	TM	Chlorotrifluoroethene	0.0000	0.0074	0.00	TM		
3	TM	Dichlorodifluoromethane	0.1261	0.1719	36	TM		
4	TM	Freon 114	0.1110	0.1167	5.1	TM		
5	TM**L	Chloromethane	0.0913	0.0907	0.72	TM**L	17	
6	TM*	Vinyl chloride	0.0923	0.1122	22	TM*		
7	TM	2-Chloro-1,1,1-trifluoroethane	0.0000	0.0022	0.00	TM		
8	TML	Bromomethane	0.0630	0.0961	53	TML	55	*NT
9	TML	Chloroethane	0.0864	0.0762	12	TML	24	
10	TM	Dichlorofluoromethane	0.2082	0.2636	27	TM		
11	TM	Trichlorofluoromethane	0.2364	0.3173	34	TM		
12	TM	Acrolein	0.0245	0.0109	55	TM		*NT
13	TM	Acetone	0.0282	0.0327	16	TM		
14	TM	Freon-113	0.1110	0.1305	18	TM		
15	TM	Acetonitrile	0.0080	0.0089	11	TM		
16	TML	2-propanol	0.0000	0.0010	0.00	TML		
17	TM	1,2-Dichlorotrifluoroethane	0.2083	0.2636	27	TM		
18	TM*	1,1-DCE	0.1438	0.1807	26	TM*		
19	TMQ	t-Butanol	0.0108	0.0123	14	TMQ	6.0	
20	TM	Methyl Acetate	0.0507	0.0606	20	TM		
21	TML	Iodomethane	0.0846	0.0972	15	TML	0.93	
22	TML	Acrylonitrile	0.0241	0.0361	50	TML	28	
23	TM	2-Methylpentane	0.0000	0.0005	0.00	TM		
24	TM	Methylene chloride	0.1037	0.1166	12	TM		
25	TM	Carbon disulfide	0.1401	0.1643	17	TM		
26	TM	Methyl t-butyl ether (MtBE)	0.3351	0.4273	28	TM		
27	TML	Trans-1,2-DCE	0.0890	0.1285	44	TML	27	
28	TML	3-Methylpentane	0.0548	0.0733	34	TML	31	
29	TM	Hexane	0.0000	0.0007	0.00	TM		
30	TM	Diisopropyl Ether	0.2335	0.2715	16	TM		
31	TM**	1,1-DCA	0.1712	0.2009	17	TM**		
32	TM	Ethyl tert-Butyl Ether	0.3076	0.3497	14	TM		
33	TML	Methylcyclopentane	0.0000	0.0003	0.00	TML		
34	TM	MEK (2-Butanone)	0.0330	0.0374	14	TM		
35	TM	Cis-1,2-DCE	0.1196	0.1338	12	TM		
36	TM	2,2-Dichloropropane	0.2211	0.1954	12	TM		
37	TM*	Chloroform	0.2322	0.2832	22	TM*		
38	TML	Bromochloromethane	0.0837	0.1155	38	TML	27	
39	S	Dibromofluoromethane(S)	0.3011	0.3161	5.0	S		
40	TM	1,1,1-TCA	0.2447	0.3043	24	TM		
		Average			19.3			

VOLATILE ORGANIC ANALYSIS BY
EPA METHOD 8260B

Form 7

Ending Continuing Calibration

Lab Name: APPL, Inc. SDG No:
Case No: Date Analyzed: 10/14/2021
Matrix: Water Instrument: Max
Cal. Date: 10/8/2021
Data File: 1014M26.D

		Compound	MEAN	CCRF	%D		%Drift
41	TM	Cyclohexane	0.0754	0.0867	15	TM	
42	TM	1,1-Dichloropropene	0.1385	0.1609	16	TM	
43	TM	2,2,4-Trimethylpentane	0.2271	0.2042	10	TM	
44	S	1,2-DCA-D4(S)	0.2051	0.2249	9.7	S	
45	TM	Carbon Tetrachloride	0.2213	0.2804	27	TM	
46	TM	Tert Amyl Methyl Ether	0.3041	0.3502	15	TM	
47	TM	1,2-DCA	0.2129	0.2548	20	TM	
48	TM	Benzene	0.3878	0.4329	12	TM	
49	TML	TCE	0.1287	0.1550	20	TML	29
50	TM	2-Pentanone	0.0554	0.0657	19	TM	
51	TM*L	1,2-Dichloropropane	0.0444	0.0481	8.3	TM*L	15
52	TM	Bromodichloromethane	0.1815	0.2213	22	TM	
53	TML	Methyl Cyclohexane	0.1552	0.1779	15	TML	16
54	TM	Dibromomethane	0.0689	0.0854	24	TM	
55	TM	MIBK (methyl isobutyl ketone)	0.0755	0.0836	11	TM	
56	TM	1-Bromo-2-chloroethane	0.0260	0.0293	13	TM	
57	TM	2-Chloroethyl vinyl ether	0.0000	0.0000	0.00	TM	
58	TM	Cis-1,3-Dichloropropene	0.1718	0.1890	10.0	TM	
59	TM*	Toluene	0.4785	0.5406	13	TM*	
60	TM	Trans-1,3-Dichloropropene	0.1760	0.1919	9.0	TM	
61	TM	1,1,2-TCA	0.0748	0.0823	10	TM	
62	TM	2-Hexanone	0.0538	0.0587	9.1	TM	
63	I	Chlorobenzene-D5 (IS)	ISTD			I	
64	S	Toluene-D8(S)	1.130	1.148	1.6	S	
65	TM	1,2-EDB	0.1103	0.1388	26	TM	
66	TM	Tetrachloroethene	0.1082	0.1246	15	TM	
67	TM	1-Chlorohexane	0.1006	0.1017	1.2	TM	
68	TM	1,1,1,2-Tetrachloroethane	0.1807	0.1929	6.7	TM	
69	TM	m&p-Xylene	0.2729	0.3062	12	TM	
70	TM	o-Xylene	0.2769	0.3069	11	TM	
71	TM	Styrene	0.4516	0.4725	4.6	TM	
72	S	4-Bromofluorobenzene(S)	0.4899	0.4621	5.7	S	
73	TM	1,3-Dichloropropane	0.1692	0.1910	13	TM	
74	TM	Dibromochloromethane	0.1711	0.1990	16	TM	
75	TM**	Chlorobenzene	0.4165	0.4640	11	TM**	
76	TM*	Ethylbenzene	0.6296	0.7467	19	TM*	
77	TM**	Bromoform	0.1427	0.1694	19	TM**	
78	I	1,4-Dichlorobenzene-D (IS)	ISTD			I	
79	TM	Isopropylbenzene	1.087	1.199	10	TM	
80	TM**	1,1,2,2-Tetrachloroethane	0.1813	0.1785	1.6	TM**	
		Average			12.7		

VOLATILE ORGANIC ANALYSIS BY
EPA METHOD 8260B

Form 7

Ending Continuing Calibration

Lab Name: APPL, Inc. SDG No:
Case No: Date Analyzed: 10/14/2021
Matrix: Water Instrument: Max
Cal. Date: 10/8/2021
Data File: 1014M26.D

		Compound	MEAN	CCRF	%D		%Drift
81	TML	1,2,3-Trichloropropane	0.0838	0.1015	21	TML	16
82	TML	t-1,4-Dichloro-2-Butene	0.0498	0.0580	17	TML	3.7
83	TM	Bromobenzene	0.3723	0.3849	3.4	TM	
84	TM	n-Propylbenzene	1.087	1.194	9.8	TM	
85	TM	4-Ethyltoluene	1.023	1.211	18	TM	
86	TM	2-Chlorotoluene	0.8480	0.9124	7.6	TM	
87	TM	1,3,5-Trimethylbenzene	0.9303	1.030	11	TM	
88	TM	4-Chlorotoluene	0.8557	0.9327	9.0	TM	
89	TM	Tert-Butylbenzene	0.5275	0.6064	15	TM	
90	TML	1,2,4-Trimethylbenzene	0.8583	1.014	18	TML	9.9
91	TM	Sec-Butylbenzene	0.9776	1.121	15	TM	
92	TML	p-Isopropyltoluene	0.8661	1.060	22	TML	5.6
93	TM	Benzyl Chloride	0.2559	0.1489	42	TM	
94	TM	1,3-DCB	0.6067	0.6799	12	TM	
95	TML	1,4-DCB	0.6582	0.6618	0.54	TML	8.7
96	TML	n-Butylbenzene	0.4850	0.6178	27	TML	1.5
97	TM	1,2-DCB	0.5974	0.6902	16	TM	
98	TML	Hexachloroethane	0.1734	0.1777	2.4	TML	7.5
99	TML	1,2-Dibromo-3-chloropropane	0.0397	0.0552	39	TML	17
100	TML	1,2,4-Trichlorobenzene	0.1544	0.2108	37	TML	1.8
101	TML	Hexachlorobutadiene	0.2019	0.2592	28	TML	2.5
102	TMQ	Naphthalene	0.2946	0.3918	33	TMQ	18
103	TML	1,2,3-Trichlorobenzene	0.1831	0.2678	46	TML	6.8
104							
105							
106							
107							
108							
109							
110							
111							
112							
113							
114							
115							
116							
117							
118							
119							
120							
		Average			19.6		

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211008\1014M26.D Vial: 26
Acq On : 14 Oct 21 21:21 Operator: LP,DG,CH
Sample : Ending CCV 10ug/L 10/14/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 29 14:32 2021 Quant Results File: M1008W.RES

Quant Method : M:\MAX\DATA\211008\M1008W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Mon Oct 11 11:16:12 2021
Response via : Initial Calibration
DataAcq Meth : M8260

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene (IS)	6.33	96	366321	25.00	ppb		0.05
65) Chlorobenzene-D5 (IS)	9.50	117	338582	25.00	ppb		0.04
80) 1,4-Dichlorobenzene-D (IS)	11.82	152	227385	25.00	ppb		0.04
System Monitoring Compounds							
41) Dibromofluoromethane(S)	5.55	111	115801	26.24	ppb		0.05
Spiked Amount 25.000			Recovery = 104.980%				
46) 1,2-DCA-D4(S)	5.94	65	82384	27.42	ppb		0.05
Spiked Amount 25.000			Recovery = 109.676%				
66) Toluene-D8(S)	8.05	98	388776	25.41	ppb		0.04
Spiked Amount 25.000			Recovery = 101.640%				
74) 4-Bromofluorobenzene(S)	10.67	95	156450	23.58	ppb		0.04
Spiked Amount 25.000			Recovery = 94.316%				
Target Compounds							Qvalue
3) Dichlorodifluoromethane	1.18	85	25184	13.63	ppb		91
4) Freon 114	1.28	85	17099	10.51	ppb		92
5) Chloromethane	1.33	50	13287	11.69	ppb		100
6) Vinyl chloride	1.42	62	16435	12.16	ppb		89
8) Bromomethane	1.68	94	14080	15.51	ppb		86
9) Chloroethane	1.77	64	11172	12.41	ppb	#	61
10) Dichlorofluoromethane	1.97	67	38619	12.66	ppb		98
11) Trichlorofluoromethane	2.00	101	46488	13.42	ppb		98
13) Acrolein	2.43	56	24027	66.88	ppb		91
14) Acetone	2.61	43	23983	58.08	ppb		94
15) Freon-113	2.52	151	19121	11.75	ppb		98
16) Acetonitrile	2.92	41	16282	139.33	ppb		90
18) 1,2-Dichlorotrifluoroethan	1.97	67	38619	12.65	ppb		100
19) 1,1-DCE	2.50	61	26478	12.57	ppb		95
20) t-Butanol	3.33	59	22565	132.47	ppb	#	93
21) Methyl Acetate	2.99	43	8885	11.96	ppb	#	83
22) Iodomethane	2.65	142	14239	9.91	ppb		93
23) Acrylonitrile	3.43	53	5296	12.81	ppb	#	79
25) Methylene chloride	3.08	84	17084	11.25	ppb		90
26) Carbon disulfide	2.71	76	24080	11.73	ppb		95
27) Methyl t-butyl ether (MtBE	3.46	73	62612	12.75	ppb		96
28) Trans-1,2-DCE	3.42	96	18828	12.72	ppb		97
29) 3-Methylpentane	3.46	57	10743	13.09	ppb		93
31) Diisopropyl Ether	4.24	45	39784	11.63	ppb		94
32) 1,1-DCA	4.05	63	29438	11.73	ppb		93
34) Ethyl tert Butyl Ether	4.77	59	51234	11.37	ppb		95
36) MEK (2-Butanone)	4.98	43	27432	56.80	ppb	#	93

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

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211008\1014M26.D Vial: 26
Acq On : 14 Oct 21 21:21 Operator: LP,DG,CH
Sample : Ending CCV 10ug/L 10/14/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 29 14:32 2021 Quant Results File: M1008W.RES

Quant Method : M:\MAX\DATA\211008\M1008W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Mon Oct 11 11:16:12 2021
Response via : Initial Calibration
DataAcq Meth : M8260

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
37)	Cis-1,2-DCE	4.90	96	19606	11.19	ppb		94
38)	2,2-Dichloropropane	4.88	77	28630	8.84	ppb	#	90
39)	Chloroform	5.36	83	41497	12.20	ppb		87
40)	Bromochloromethane	5.22	130	16922	12.73	ppb		93
42)	1,1,1-TCA	5.53	97	44592	12.44	ppb		90
43)	Cyclohexane	5.58	41	12705	11.50	ppb		82
44)	1,1-Dichloropropene	5.74	75	23573	11.62	ppb		97
45)	2,2,4-Trimethylpentane	6.11	57	29921	8.99	ppb	#	79
47)	Carbon Tetrachloride	5.73	117	41091	12.67	ppb		96
48)	Tert Amyl Methyl Ether	6.18	73	51315	11.52	ppb		98
49)	1,2-DCA	6.03	62	37333	11.97	ppb		96
50)	Benzene	5.99	78	63426	11.16	ppb		99
51)	TCE	6.75	95	22705	12.88	ppb		93
52)	2-Pentanone	7.00	43	120407	148.20	ppb		97
53)	1,2-Dichloropropane	6.99	63	7054	11.49	ppb		95
54)	Bromodichloromethane	7.31	83	32429	12.19	ppb		85
55)	Methyl Cyclohexane	6.93	83	26070	11.63	ppb		95
56)	Dibromomethane	7.11	93	12514	12.39	ppb		95
57)	MIBK (methyl isobutyl ket	7.97	43	61267	55.39	ppb		95
58)	1-Bromo-2-chloroethane	7.62	144	4296	11.30	ppb		82
60)	Cis-1,3-Dichloropropene	7.79	75	27693	11.00	ppb		98
61)	Toluene	8.11	91	79216	11.30	ppb		100
62)	Trans-1,3-Dichloropropene	8.37	75	28113	10.90	ppb		99
63)	1,1,2-TCA	8.55	83	12065	11.01	ppb		85
64)	2-Hexanone	8.82	43	43007	54.55	ppb		95
67)	1,2-EDB	9.02	107	18804	12.58	ppb		87
68)	Tetrachloroethene	8.66	164	16880	11.52	ppb		97
69)	1-Chlorohexane	9.53	91	13780	10.12	ppb		96
70)	1,1,1,2-Tetrachloroethane	9.61	131	26128	10.67	ppb		95
71)	m&p-Xylene	9.77	106	82948	22.44	ppb		94
72)	o-Xylene	10.16	106	41566	11.09	ppb		98
73)	Styrene	10.17	104	63994	10.46	ppb		100
75)	1,3-Dichloropropane	8.71	76	25868	11.29	ppb		90
76)	Dibromochloromethane	8.93	129	26949	11.63	ppb		97
77)	Chlorobenzene	9.52	112	62844	11.14	ppb		96
78)	Ethylbenzene	9.64	91	101131	11.86	ppb		95
79)	Bromoform	10.34	173	22945	11.87	ppb		93
81)	Isopropylbenzene	10.53	105	109032	11.03	ppb		99
82)	1,1,2,2-Tetrachloroethane	10.84	83	16235	9.84	ppb		95
83)	1,2,3-Trichloropropane	10.87	110	9229	11.62	ppb		97
84)	t-1,4-Dichloro-2-Butene	10.90	53	5276	10.37	ppb		99
85)	Bromobenzene	10.81	156	35007	10.34	ppb		96

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

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211008\1014M26.D Vial: 26
Acq On : 14 Oct 21 21:21 Operator: LP,DG,CH
Sample : Ending CCV 10ug/L 10/14/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 29 14:32 2021 Quant Results File: M1008W.RES

Quant Method : M:\MAX\DATA\211008\M1008W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Mon Oct 11 11:16:12 2021
Response via : Initial Calibration
DataAcq Meth : M8260

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
86)	n-Propylbenzene	10.94	91	108578	10.98	ppb		95
87)	4-Ethyltoluene	11.05	105	110182	11.84	ppb		99
88)	2-Chlorotoluene	11.01	91	82985	10.76	ppb		98
89)	1,3,5-Trimethylbenzene	11.12	105	93642	11.07	ppb		96
90)	4-Chlorotoluene	11.12	91	84830	10.90	ppb		97
91)	Tert-Butylbenzene	11.44	119	55152	11.50	ppb		97
92)	1,2,4-Trimethylbenzene	11.49	105	92226	10.99	ppb		96
93)	Sec-Butylbenzene	11.66	105	102003	11.47	ppb		98
94)	p-Isopropyltoluene	11.81	119	96446	10.56	ppb		94
95)	Benzyl Chloride	11.99	91	13542	5.82	ppb		95
96)	1,3-DCB	11.75	146	61836	11.21	ppb		98
97)	1,4-DCB	11.84	146	60189	10.87	ppb		95
98)	n-Butylbenzene	12.21	91	56189	9.85	ppb		93
99)	1,2-DCB	12.21	146	62780	11.55	ppb		96
100)	Hexachloroethane	12.45	117	16159	10.75	ppb		88
101)	1,2-Dibromo-3-chloropropan	12.98	75	5024	11.66	ppb	#	81
102)	1,2,4-Trichlorobenzene	13.81	180	19176	9.82	ppb		86
103)	Hexachlorobutadiene	13.99	225	23571	10.25	ppb		97
104)	Naphthalene	14.05	128	35638	11.81	ppb	#	88
105)	1,2,3-Trichlorobenzene	14.29	180	24362	10.68	ppb		98

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

Quantitation Report

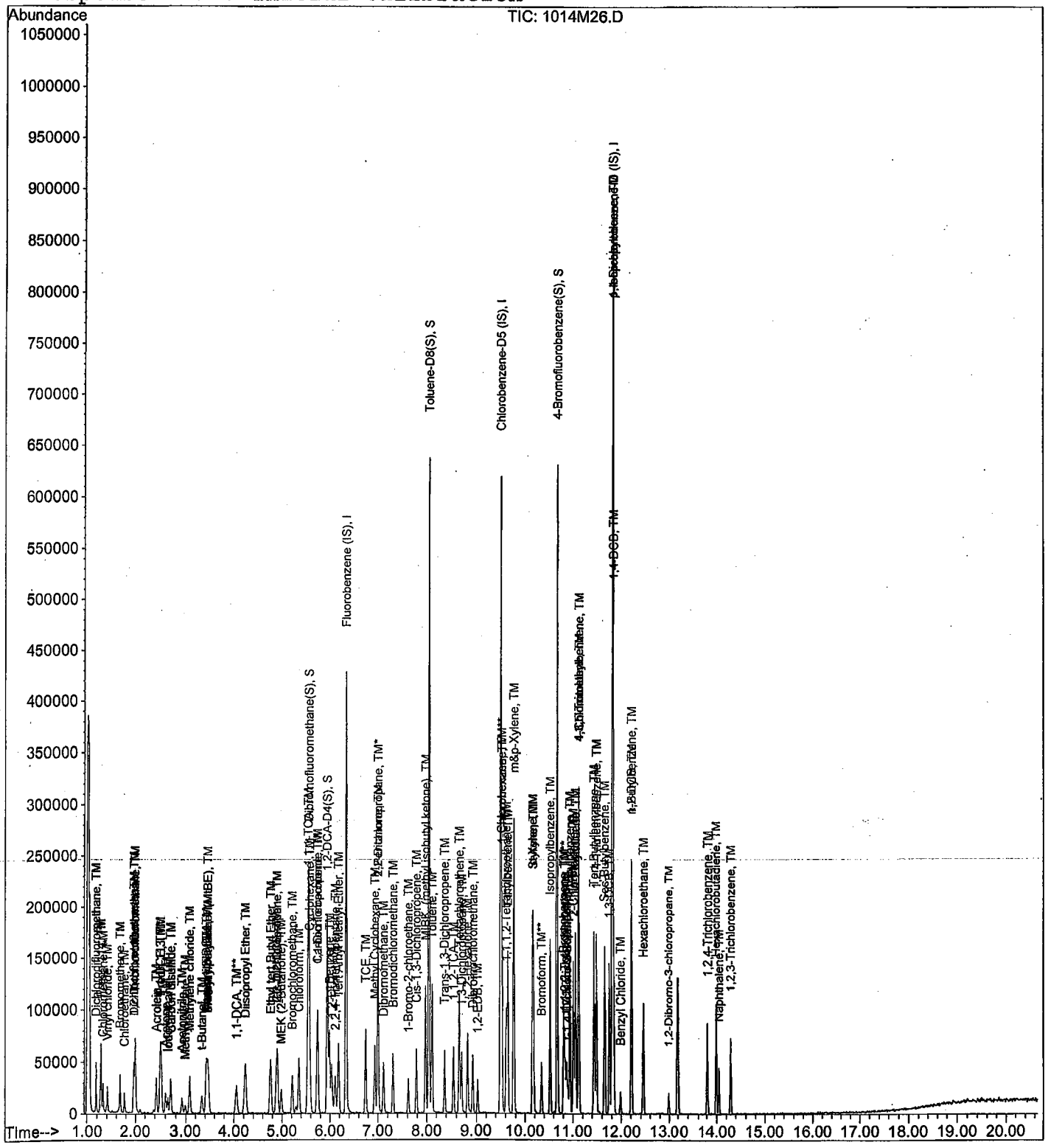
Data File : M:\MAX\DATA\211008\1014M26.D
Acq On : 14 Oct 21 21:21
Sample : Ending CCV 10ug/L 10/14/21
Misc : IS&S 8/4/21

Vial: 26
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Oct 29 14:32 2021

Quant Results File: M1008W.RES

Method : M:\MAX\DATA\211008\M1008W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Mon Oct 11 11:16:12 2021
Response via : Initial Calibration



ORGANICS
Raw Data

Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\211008\1014M13.D Vial: 13
Acq On : 14 Oct 21 15:12 Operator: LP,DG,CH
Sample : BA42228W02 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Nov 11 13:32 2021 Quant Results File: M1008W.RES

Quant Method : M:\MAX\DATA\211008\M1008W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Mon Oct 11 11:16:12 2021
Response via : Initial Calibration
DataAcq Meth : M8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.33	96	360138	25.00	ppb	0.05
65) Chlorobenzene-D5 (IS)	9.50	117	328112	25.00	ppb	0.04
80) 1,4-Dichlorobenzene-D (IS)	11.82	152	218125	25.00	ppb	0.04
System Monitoring Compounds						
41) Dibromofluoromethane(S)	5.55	111	114695	26.44	ppb	0.05
Spiked Amount 25.000			Recovery =	105.760%		
46) 1,2-DCA-D4(S)	5.94	65	77832	26.35	ppb	0.05
Spiked Amount 25.000			Recovery =	105.396%		
66) Toluene-D8(S)	8.04	98	373831	25.21	ppb	0.04
Spiked Amount 25.000			Recovery =	100.852%		
74) 4-Bromofluorobenzene(S)	10.67	95	149622	23.27	ppb	0.04
Spiked Amount 25.000			Recovery =	93.080%		

Target Compounds Qvalue

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

Quantitation Report

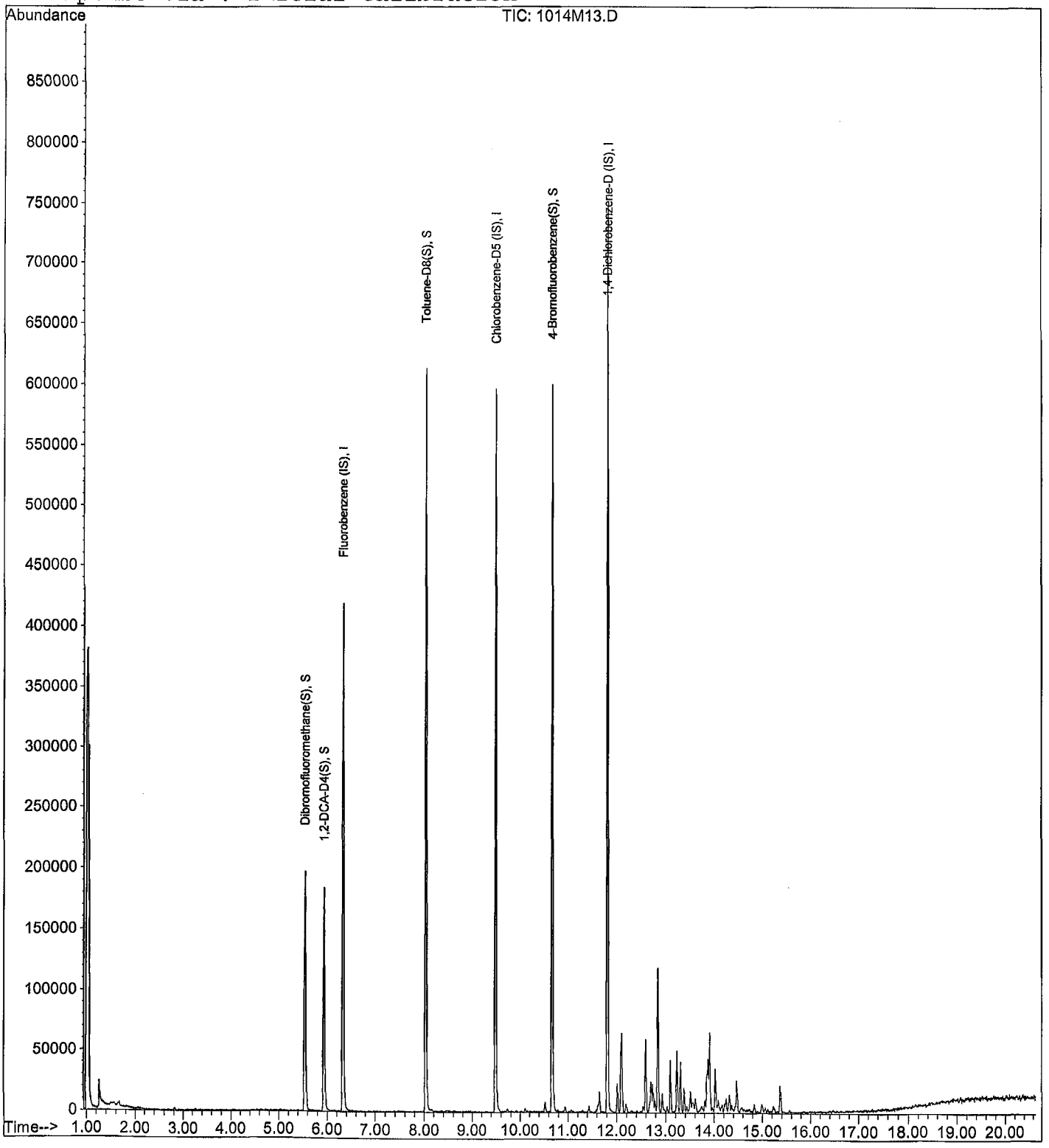
Data File : M:\MAX\DATA\211008\1014M13.D
Acq On : 14 Oct 21 15:12
Sample : BA42228W02
Misc : IS&S 8/4/21

Vial: 13
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Nov 11 13:32 2021

Quant Results File: M1008W.RES

Method : M:\MAX\DATA\211008\M1008W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Mon Oct 11 11:16:12 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\211008\1014M14.D Vial: 14
Acq On : 14 Oct 21 15:41 Operator: LP,DG,CH
Sample : BA42229W01 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Nov 11 13:32 2021 Quant Results File: M1008W.RES

Quant Method : M:\MAX\DATA\211008\M1008W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Mon Oct 11 11:16:12 2021
Response via : Initial Calibration
DataAcq Meth : M8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.33	96	375077	25.00	ppb	0.05
65) Chlorobenzene-D5 (IS)	9.50	117	330772	25.00	ppb	0.04
80) 1,4-Dichlorobenzene-D (IS)	11.82	152	223521	25.00	ppb	0.04
System Monitoring Compounds						
41) Dibromofluoromethane(S)	5.55	111	122478	27.11	ppb	0.05
Spiked Amount 25.000			Recovery = 108.440%			
46) 1,2-DCA-D4(S)	5.94	65	83000	26.98	ppb	0.05
Spiked Amount 25.000			Recovery = 107.916%			
66) Toluene-D8(S)	8.05	98	389530	26.06	ppb	0.04
Spiked Amount 25.000			Recovery = 104.240%			
74) 4-Bromofluorobenzene(S)	10.67	95	158946	24.52	ppb	0.04
Spiked Amount 25.000			Recovery = 98.084%			

Target Compounds Qvalue

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

Quantitation Report

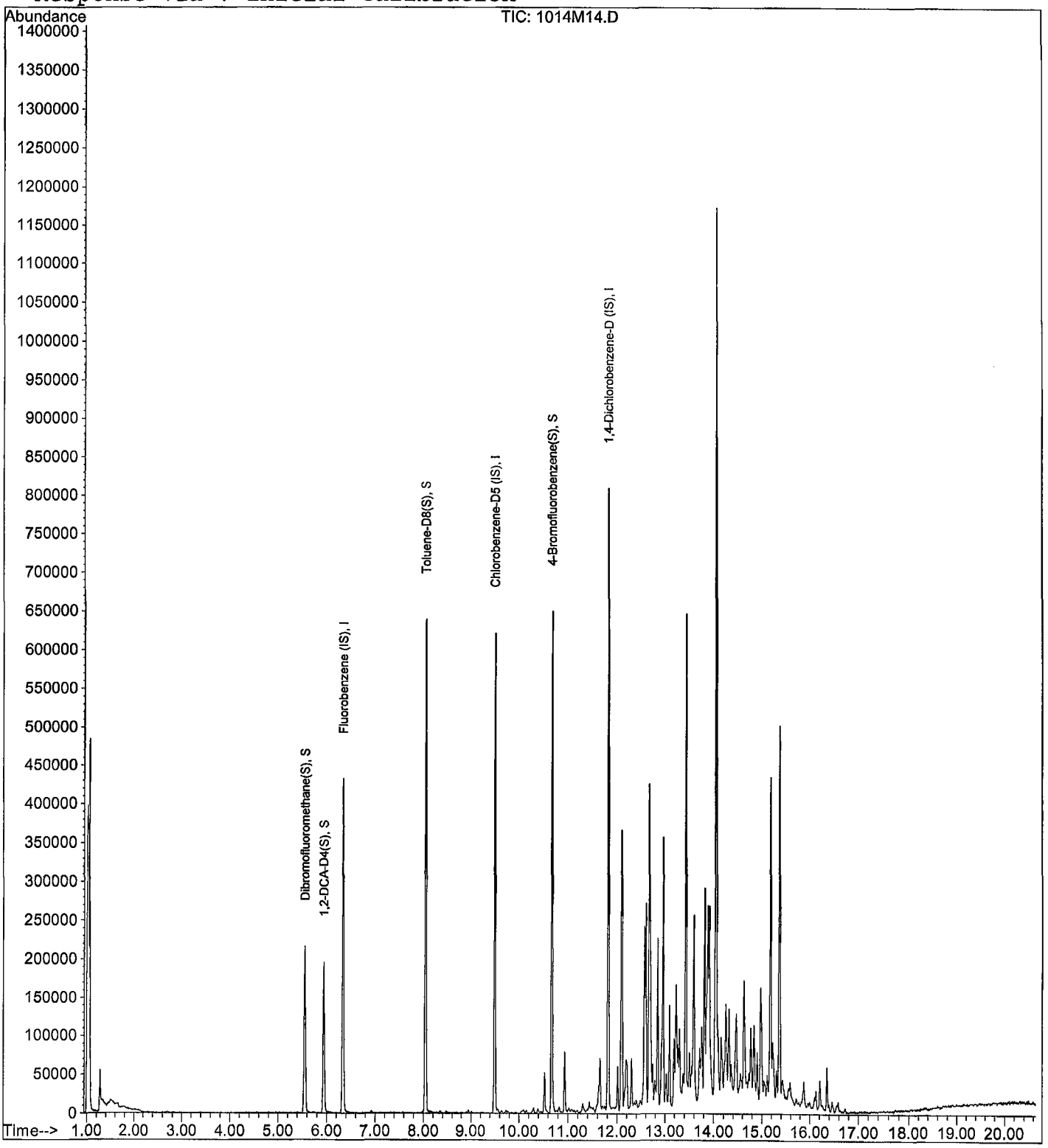
Data File : M:\MAX\DATA\211008\1014M14.D
Acq On : 14 Oct 21 15:41
Sample : BA42229W01
Misc : IS&S 8/4/21

Vial: 14
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Nov 11 13:32 2021

Quant Results File: M1008W.RES

Method : M:\MAX\DATA\211008\M1008W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Mon Oct 11 11:16:12 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\211008\1014M15.D Vial: 15
Acq On : 14 Oct 21 16:09 Operator: LP,DG,CH
Sample : BA42230W01 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Nov 11 13:32 2021 Quant Results File: M1008W.RES

Quant Method : M:\MAX\DATA\211008\M1008W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Mon Oct 11 11:16:12 2021
Response via : Initial Calibration
DataAcq Meth : M8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.33	96	387551	25.00	ppb	0.05
65) Chlorobenzene-D5 (IS)	9.49	117	348203	25.00	ppb	0.04
80) 1,4-Dichlorobenzene-D (IS)	11.82	152	222921	25.00	ppb	0.04
System Monitoring Compounds						
41) Dibromofluoromethane(S)	5.55	111	123187	26.39	ppb	0.05
Spiked Amount 25.000			Recovery = 105.556%			
46) 1,2-DCA-D4(S)	5.94	65	84688	26.64	ppb	0.05
Spiked Amount 25.000			Recovery = 106.568%			
66) Toluene-D8(S)	8.05	98	403130	25.62	ppb	0.04
Spiked Amount 25.000			Recovery = 102.480%			
74) 4-Bromofluorobenzene(S)	10.67	95	157785	23.12	ppb	0.04
Spiked Amount 25.000			Recovery = 92.496%			

Target Compounds Qvalue

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

Quantitation Report

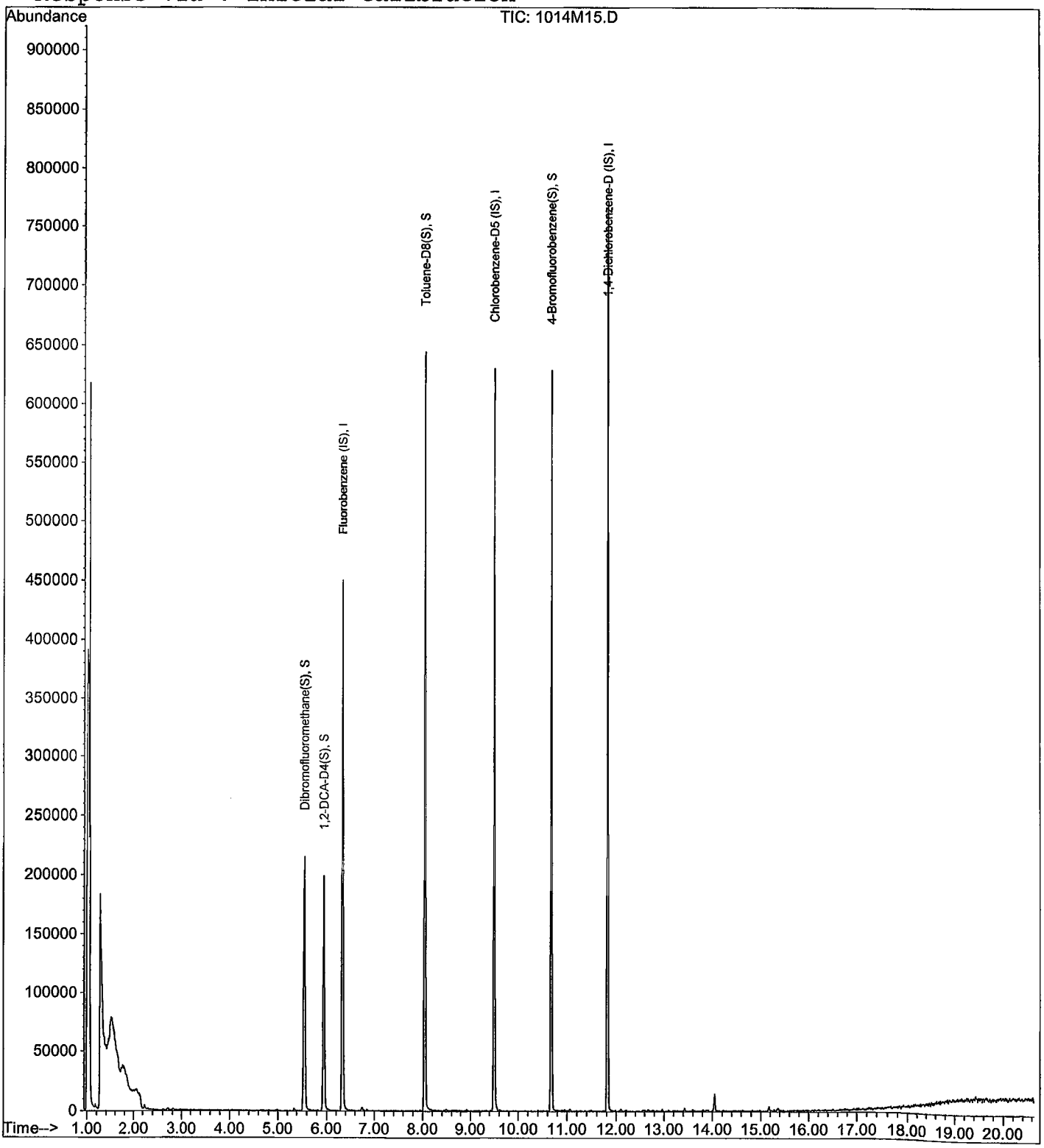
Data File : M:\MAX\DATA\211008\1014M15.D
Acq On : 14 Oct 21 16:09
Sample : BA42230W01
Misc : IS&S 8/4/21

Vial: 15
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Nov 11 13:32 2021

Quant Results File: M1008W.RES

Method : M:\MAX\DATA\211008\M1008W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Mon Oct 11 11:16:12 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\211008\1014M16.D Vial: 16
Acq On : 14 Oct 21 16:37 Operator: LP,DG,CH
Sample : BA42231W01 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Nov 11 13:33 2021 Quant Results File: M1008W.RES

Quant Method : M:\MAX\DATA\211008\M1008W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Mon Oct 11 11:16:12 2021
Response via : Initial Calibration
DataAcq Meth : M8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.33	96	374504	25.00	ppb	0.05
65) Chlorobenzene-D5 (IS)	9.50	117	335111	25.00	ppb	0.04
80) 1,4-Dichlorobenzene-D (IS)	11.82	152	216203	25.00	ppb	0.04
System Monitoring Compounds						
41) Dibromofluoromethane(S)	5.55	111	115904	25.69	ppb	0.05
Spiked Amount 25.000			Recovery = 102.776%			
46) 1,2-DCA-D4(S)	5.94	65	83496	27.18	ppb	0.05
Spiked Amount 25.000			Recovery = 108.728%			
66) Toluene-D8(S)	8.04	98	378444	24.99	ppb	0.04
Spiked Amount 25.000			Recovery = 99.964%			
74) 4-Bromofluorobenzene(S)	10.67	95	157187	23.94	ppb	0.04
Spiked Amount 25.000			Recovery = 95.744%			

Target Compounds Qvalue

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

Quantitation Report

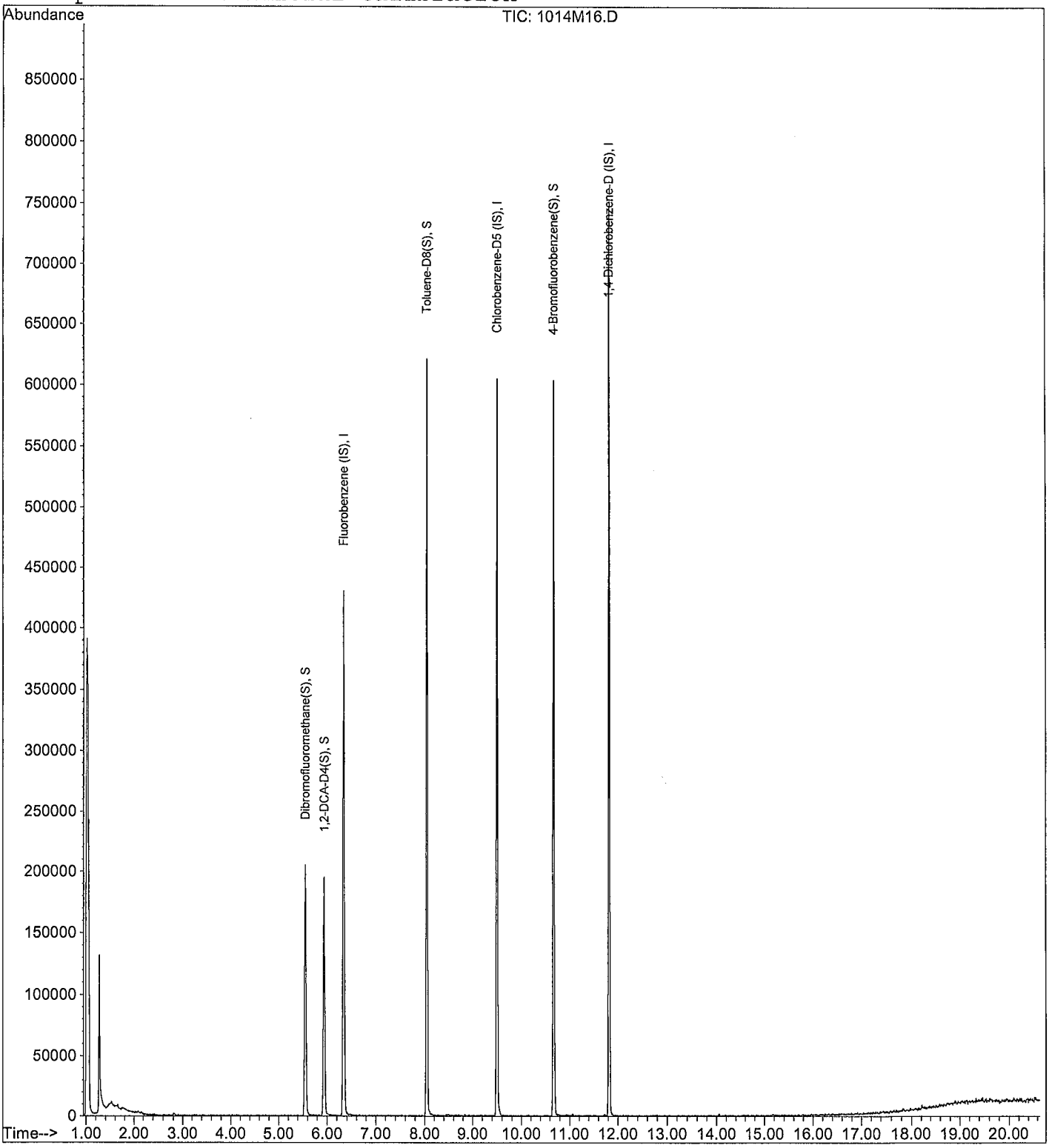
Data File : M:\MAX\DATA\211008\1014M16.D
Acq On : 14 Oct 21 16:37
Sample : BA42231W01
Misc : IS&S 8/4/21

Vial: 16
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Nov 11 13:33 2021

Quant Results File: M1008W.RES

Method : M:\MAX\DATA\211008\M1008W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Mon Oct 11 11:16:12 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\211008\1014M17.D Vial: 17
Acq On : 14 Oct 21 17:06 Operator: LP,DG,CH
Sample : BA42232W01 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Nov 11 13:33 2021 Quant Results File: M1008W.RES

Quant Method : M:\MAX\DATA\211008\M1008W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Mon Oct 11 11:16:12 2021
Response via : Initial Calibration
DataAcq Meth : M8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.33	96	381650	25.00	ppb	0.05
65) Chlorobenzene-D5 (IS)	9.50	117	343942	25.00	ppb	0.04
80) 1,4-Dichlorobenzene-D (IS)	11.82	152	213657	25.00	ppb	0.04
System Monitoring Compounds						
41) Dibromofluoromethane(S)	5.55	111	120186	26.14	ppb	0.05
Spiked Amount 25.000			Recovery = 104.580%			
46) 1,2-DCA-D4(S)	5.94	65	80480	25.71	ppb	0.05
Spiked Amount 25.000			Recovery = 102.840%			
66) Toluene-D8(S)	8.04	98	390112	25.10	ppb	0.04
Spiked Amount 25.000			Recovery = 100.400%			
74) 4-Bromofluorobenzene(S)	10.67	95	153390	22.76	ppb	0.04
Spiked Amount 25.000			Recovery = 91.032%			

Target Compounds Qvalue

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

Quantitation Report

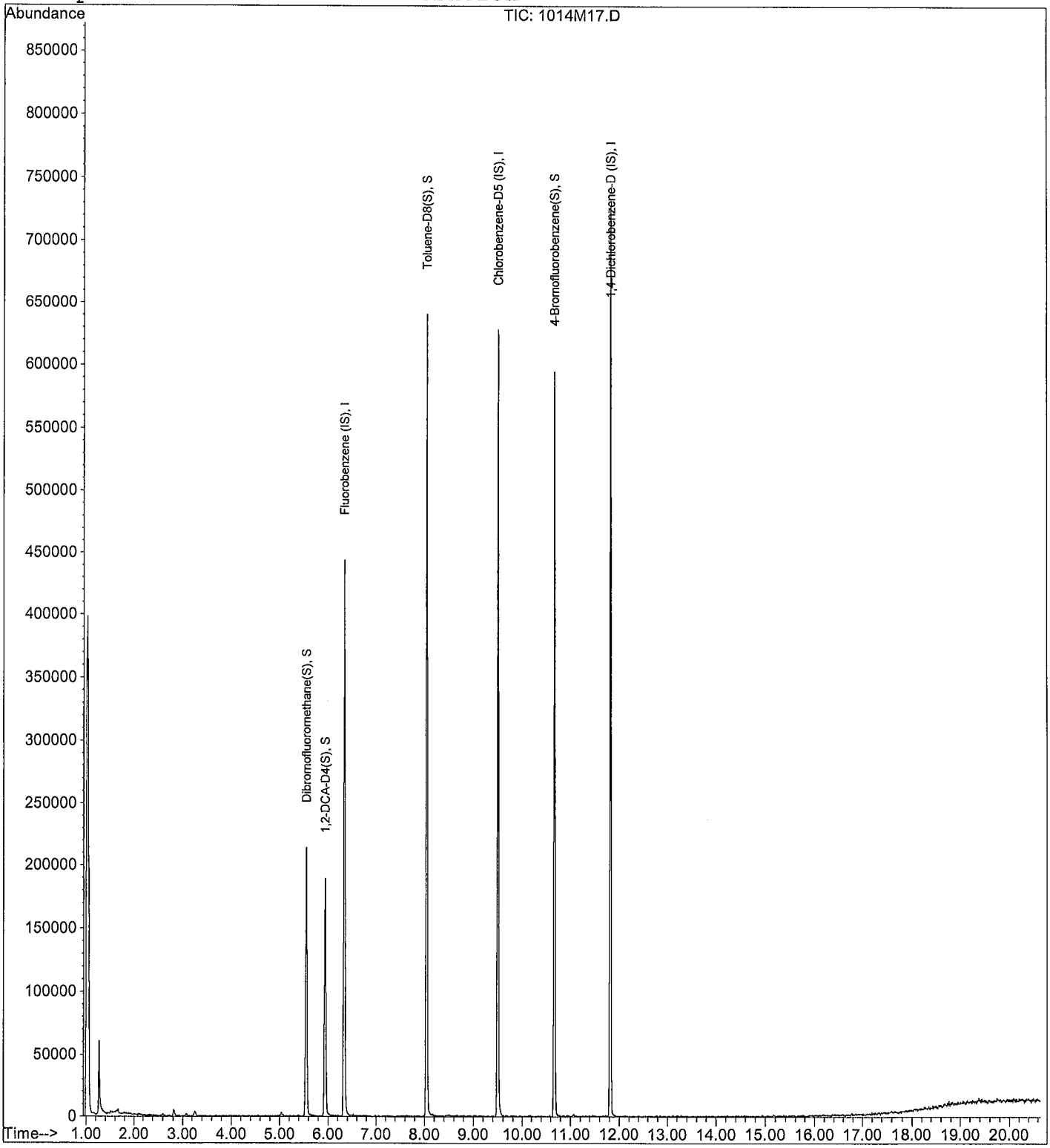
Data File : M:\MAX\DATA\211008\1014M17.D
Acq On : 14 Oct 21 17:06
Sample : BA42232W01
Misc : IS&S 8/4/21

Vial: 17
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Nov 11 13:33 2021

Quant Results File: M1008W.RES

Method : M:\MAX\DATA\211008\M1008W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Mon Oct 11 11:16:12 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\211008\1014M08.D Vial: 8
Acq On : 14 Oct 21 12:50 Operator: LP,DG,CH
Sample : 211014A BLK Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Nov 11 15:02 2021 Quant Results File: M1008W.RES

Quant Method : M:\MAX\DATA\211008\M1008W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Mon Oct 11 11:16:12 2021
Response via : Initial Calibration
DataAcq Meth : M8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.33	96	368375	25.00	ppb	0.04
65) Chlorobenzene-D5 (IS)	9.49	117	324722	25.00	ppb	0.04
80) 1,4-Dichlorobenzene-D (IS)	11.82	152	206590	25.00	ppb	0.04
System Monitoring Compounds						
41) Dibromofluoromethane(S)	5.55	111	114884	25.89	ppb	0.05
Spiked Amount 25.000			Recovery =	103.568%		
46) 1,2-DCA-D4(S)	5.94	65	79528	26.32	ppb	0.05
Spiked Amount 25.000			Recovery =	105.284%		
66) Toluene-D8(S)	8.04	98	371118	25.29	ppb	0.04
Spiked Amount 25.000			Recovery =	101.164%		
74) 4-Bromofluorobenzene(S)	10.67	95	151774	23.85	ppb	0.04
Spiked Amount 25.000			Recovery =	95.404%		

Target Compounds Qvalue

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

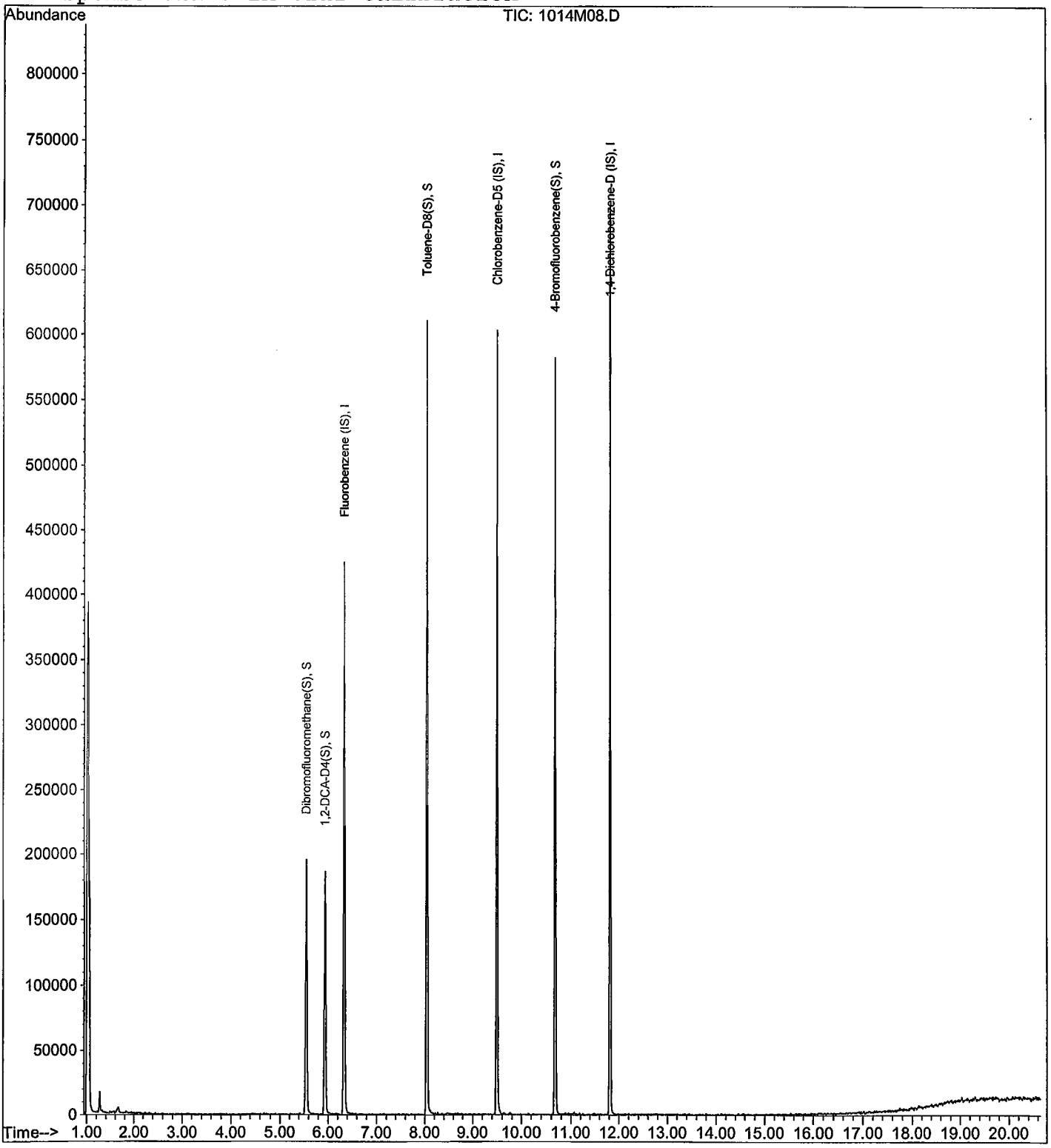
Quantitation Report

Data File : M:\MAX\DATA\211008\1014M08.D
Acq On : 14 Oct 21 12:50
Sample : 211014A BLK
Misc : IS&S 8/4/21

Vial: 8
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Nov 11 15:02 2021 Quant Results File: M1008W.RES

Method : M:\MAX\DATA\211008\M1008W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Mon Oct 11 11:16:12 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211008\1014M03.D Vial: 3
Acq On : 14 Oct 21 10:28 Operator: LP,DG,CH
Sample : 211014A LCS 10ug/L Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 29 14:30 2021 Quant Results File: M1008W.RES

Quant Method : M:\MAX\DATA\211008\M1008W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Mon Oct 11 11:16:12 2021
Response via : Initial Calibration
DataAcq Meth : M8260

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene (IS)	6.33	96	398372	25.00	ppb		0.04
65) Chlorobenzene-D5 (IS)	9.49	117	349404	25.00	ppb		0.04
80) 1,4-Dichlorobenzene-D (IS)	11.82	152	233160	25.00	ppb		0.04
System Monitoring Compounds							
41) Dibromofluoromethane(S)	5.55	111	123813	25.80	ppb		0.05
Spiked Amount 25.000			Recovery =	103.212%			
46) 1,2-DCA-D4(S)	5.94	65	85360	26.12	ppb		0.05
Spiked Amount 25.000			Recovery =	104.496%			
66) Toluene-D8(S)	8.04	98	405420	25.68	ppb		0.04
Spiked Amount 25.000			Recovery =	102.708%			
74) 4-Bromofluorobenzene(S)	10.67	95	165639	24.19	ppb		0.04
Spiked Amount 25.000			Recovery =	96.764%			
Target Compounds							Qvalue
3) Dichlorodifluoromethane	1.18	85	24944	12.42	ppb		98
4) Freon 114	1.28	85	18791	10.62	ppb		96
5) Chloromethane	1.32	50	14750	11.94	ppb		98
6) Vinyl chloride	1.41	62	17156	11.67	ppb		90
8) Bromomethane	1.67	94	14697	14.88	ppb		84
9) Chloroethane	1.77	64	9927	10.19	ppb	#	76
10) Dichlorofluoromethane	1.96	67	39266	11.83	ppb		94
11) Trichlorofluoromethane	1.99	101	46749	12.41	ppb		91
13) Acrolein	2.43	56	29628	75.84	ppb		96
14) Acetone	2.60	43	25212	56.15	ppb		93
15) Freon-113	2.52	151	18257	10.32	ppb		89
16) Acetonitrile	2.92	41	16695	131.37	ppb	#	92
18) 1,2-Dichlorotrifluoroethan	1.96	67	39266	11.83	ppb	#	100
19) 1,1-DCE	2.50	61	26378	11.51	ppb		96
20) t-Butanol	3.33	59	23483	128.62	ppb	#	86
21) Methyl Acetate	2.99	43	9278	11.48	ppb		92
22) Iodomethane	2.65	142	18955	11.77	ppb		91
23) Acrylonitrile	3.43	53	5059	11.28	ppb		92
25) Methylene chloride	3.07	84	18292	11.07	ppb		90
26) Carbon disulfide	2.70	76	24928	11.17	ppb		94
27) Methyl t-butyl ether (MtBE	3.46	73	66908	12.53	ppb		96
28) Trans-1,2-DCE	3.42	96	17707	10.92	ppb		81
29) 3-Methylpentane	3.46	57	10910	12.19	ppb	#	95
31) Diisopropyl Ether	4.24	45	41349	11.11	ppb		89
32) 1,1-DCA	4.05	63	31610	11.59	ppb		95
34) Ethyl tert Butyl Ether	4.76	59	54319	11.08	ppb		99
36) MEK (2-Butanone)	4.97	43	28831	54.90	ppb	#	96

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

Data File : M:\MAX\DATA\211008\1014M03.D Vial: 3
Acq On : 14 Oct 21 10:28 Operator: LP,DG,CH
Sample : 211014A LCS 10ug/L Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 29 14:30 2021 Quant Results File: M1008W.RES

Quant Method : M:\MAX\DATA\211008\M1008W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Mon Oct 11 11:16:12 2021
Response via : Initial Calibration
DataAcq Meth : M8260

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
37)	Cis-1,2-DCE	4.90	96	22534	11.83	ppb		95
38)	2,2-Dichloropropane	4.88	77	40261	11.43	ppb		96
39)	Chloroform	5.35	83	41605	11.25	ppb		98
40)	Bromochloromethane	5.21	130	17407	12.01	ppb		93
42)	1,1,1-TCA	5.53	97	46209	11.85	ppb		93
43)	Cyclohexane	5.57	41	13120	10.92	ppb		80
44)	1,1-Dichloropropene	5.74	75	23560	10.68	ppb		95
45)	2,2,4-Trimethylpentane	6.11	57	34976	9.67	ppb		97
47)	Carbon Tetrachloride	5.73	117	42591	12.08	ppb		95
48)	Tert Amyl Methyl Ether	6.17	73	53369	11.01	ppb		98
49)	1,2-DCA	6.03	62	39579	11.67	ppb		99
50)	Benzene	5.98	78	66213	10.71	ppb		99
51)	TCE	6.75	95	21810	11.30	ppb		96
52)	2-Pentanone	7.00	43	124724	141.17	ppb		97
53)	1,2-Dichloropropane	6.99	63	7794	11.68	ppb		97
54)	Bromodichloromethane	7.30	83	34234	11.84	ppb		84
55)	Methyl Cyclohexane	6.93	83	25031	10.17	ppb		89
56)	Dibromomethane	7.11	93	12183	11.09	ppb		91
57)	MIBK (methyl isobutyl ket	7.97	43	61738	51.32	ppb	#	96
58)	1-Bromo-2-chloroethane	7.61	144	5101	12.34	ppb		73
60)	Cis-1,3-Dichloropropene	7.78	75	29507	10.78	ppb		98
61)	Toluene	8.11	91	83562	10.96	ppb		97
62)	Trans-1,3-Dichloropropene	8.37	75	30264	10.79	ppb		91
63)	1,1,2-TCA	8.54	83	13041	10.94	ppb		98
64)	2-Hexanone	8.82	43	42738	49.85	ppb		95
67)	1,2-EDB	9.02	107	18937	12.28	ppb		92
68)	Tetrachloroethene	8.66	164	18264	12.08	ppb		90
69)	1-Chlorohexane	9.52	91	14066	10.01	ppb		90
70)	1,1,1,2-Tetrachloroethane	9.61	131	29187	11.55	ppb		96
71)	m&p-Xylene	9.76	106	83193	21.81	ppb		92
72)	o-Xylene	10.15	106	41399	10.70	ppb		98
73)	Styrene	10.17	104	65660	10.40	ppb		99
75)	1,3-Dichloropropane	8.71	76	28570	12.08	ppb		92
76)	Dibromochloromethane	8.92	129	28161	11.78	ppb		97
77)	Chlorobenzene	9.52	112	63360	10.88	ppb		96
78)	Ethylbenzene	9.64	91	96849	11.01	ppb		99
79)	Bromoform	10.34	173	23636	11.85	ppb		98
81)	Isopropylbenzene	10.53	105	107704	10.63	ppb		96
82)	1,1,2,2-Tetrachloroethane	10.83	83	18642	11.02	ppb		96
83)	1,2,3-Trichloropropane	10.87	110	10178	12.52	ppb		99
84)	t-1,4-Dichloro-2-Butene	10.90	53	6147	11.76	ppb		83
85)	Bromobenzene	10.81	156	36414	10.49	ppb		90

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

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211008\1014M03.D Vial: 3
Acq On : 14 Oct 21 10:28 Operator: LP,DG,CH
Sample : 211014A LCS 10ug/L Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 29 14:30 2021 Quant Results File: M1008W.RES

Quant Method : M:\MAX\DATA\211008\M1008W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Mon Oct 11 11:16:12 2021
Response via : Initial Calibration
DataAcq Meth : M8260

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
86)	n-Propylbenzene	10.93	91	106601	10.52	ppb		96
87)	4-Ethyltoluene	11.05	105	106515	11.17	ppb		94
88)	2-Chlorotoluene	11.01	91	84564	10.69	ppb		99
89)	1,3,5-Trimethylbenzene	11.12	105	97768	11.27	ppb		96
90)	4-Chlorotoluene	11.12	91	84602	10.60	ppb		95
91)	Tert-Butylbenzene	11.43	119	57240	11.64	ppb		97
92)	1,2,4-Trimethylbenzene	11.48	105	95556	11.10	ppb		99
93)	Sec-Butylbenzene	11.65	105	104826	11.50	ppb		99
94)	p-Isopropyltoluene	11.80	119	98969	10.57	ppb		98
95)	Benzyl Chloride	11.98	91	22171	9.29	ppb		90
96)	1,3-DCB	11.75	146	64714	11.44	ppb		96
97)	1,4-DCB	11.84	146	64270	11.34	ppb		95
98)	n-Butylbenzene	12.21	91	59236	10.10	ppb		96
99)	1,2-DCB	12.20	146	60725	10.90	ppb		95
100)	Hexachloroethane	12.45	117	15972	10.35	ppb		88
101)	1,2-Dibromo-3-chloropropan	12.99	75	4789	10.92	ppb	#	80
102)	1,2,4-Trichlorobenzene	13.80	180	19712	9.84	ppb		84
103)	Hexachlorobutadiene	13.98	225	24351	10.32	ppb		97
104)	Naphthalene	14.05	128	39223	12.54	ppb		93
105)	1,2,3-Trichlorobenzene	14.29	180	24663	10.59	ppb		91

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

Quantitation Report

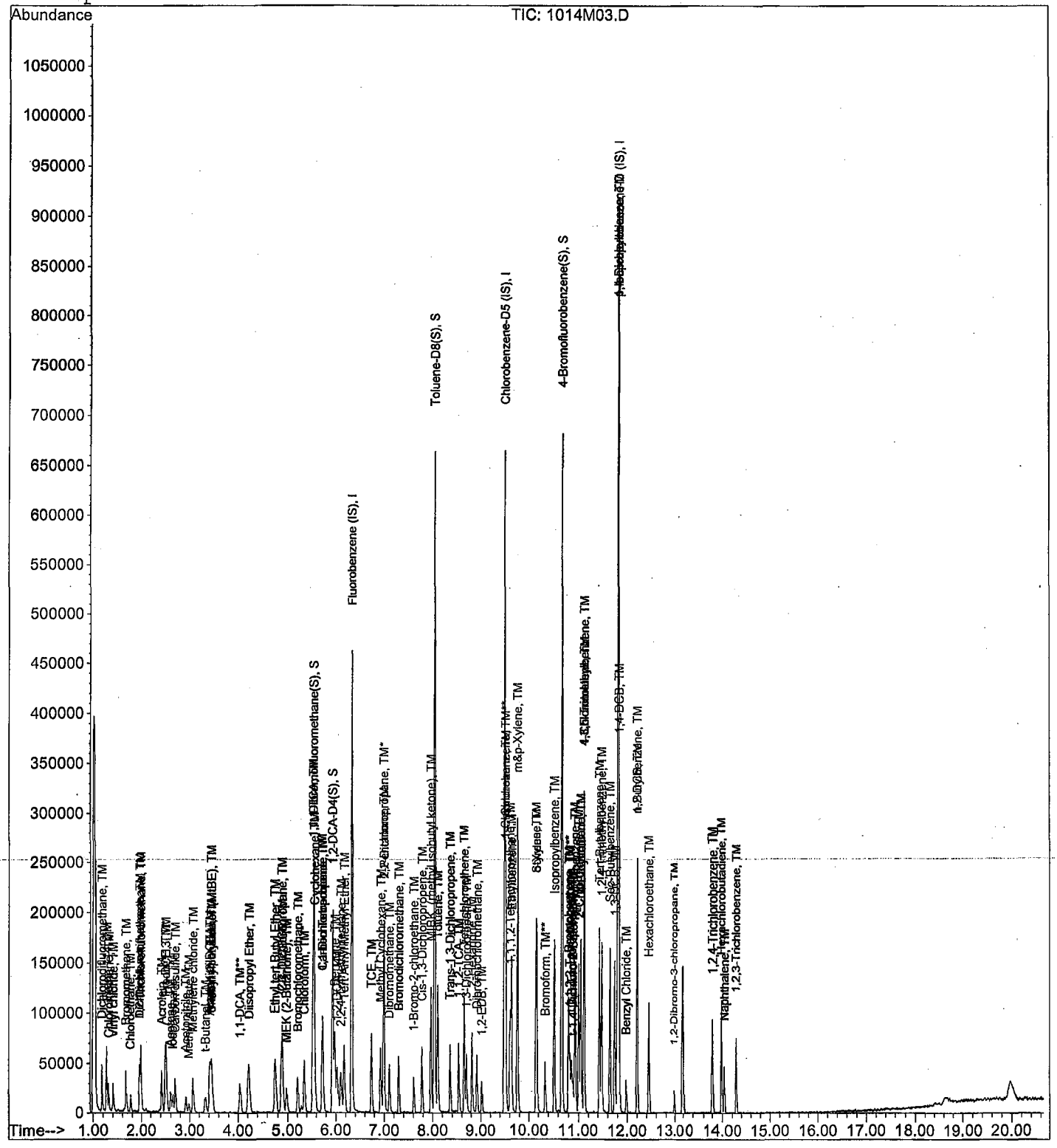
Data File : M:\MAX\DATA\211008\1014M03.D
Acq On : 14 Oct 21 10:28
Sample : 211014A LCS 10ug/L
Misc : IS&S 8/4/21

Vial: 3
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Oct 29 14:30 2021

Quant Results File: M1008W.RES

Method : M:\MAX\DATA\211008\M1008W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Mon Oct 11 11:16:12 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211008\1014M04.D Vial: 4
Acq On : 14 Oct 21 10:57 Operator: LP,DG,CH
Sample : 211014A LCSD 10ug/L Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 29 14:30 2021 Quant Results File: M1008W.RES

Quant Method : M:\MAX\DATA\211008\M1008W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Mon Oct 11 11:16:12 2021
Response via : Initial Calibration
DataAcq Meth : M8260

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene (IS)	6.33	96	373383	25.00	ppb		0.04
65) Chlorobenzene-D5 (IS)	9.49	117	334077	25.00	ppb		0.04
80) 1,4-Dichlorobenzene-D (IS)	11.82	152	229827	25.00	ppb		0.04
System Monitoring Compounds							
41) Dibromofluoromethane(S)	5.55	111	115376	25.65	ppb		0.05
Spiked Amount 25.000			Recovery = 102.616%				
46) 1,2-DCA-D4(S)	5.94	65	84168	27.48	ppb		0.05
Spiked Amount 25.000			Recovery = 109.932%				
66) Toluene-D8(S)	8.04	98	381708	25.28	ppb		0.04
Spiked Amount 25.000			Recovery = 101.136%				
74) 4-Bromofluorobenzene(S)	10.67	95	156324	23.88	ppb		0.04
Spiked Amount 25.000			Recovery = 95.512%				
Target Compounds							Qvalue
3) Dichlorodifluoromethane	1.18	85	25640	13.62	ppb		95
4) Freon 114	1.29	85	16394	9.89	ppb		97
5) Chloromethane	1.33	50	14062	12.15	ppb		94
6) Vinyl chloride	1.42	62	16009	11.62	ppb		94
8) Bromomethane	1.68	94	12507	13.50	ppb		90
9) Chloroethane	1.77	64	9251	10.14	ppb	#	87
10) Dichlorofluoromethane	1.96	67	34336	11.04	ppb		95
11) Trichlorofluoromethane	2.00	101	43840	12.42	ppb		94
13) Acrolein	2.43	56	28161	76.91	ppb		100
14) Acetone	2.60	43	23873	56.72	ppb		95
15) Freon-113	2.52	151	18989	11.45	ppb		90
16) Acetonitrile	2.92	41	15714	131.93	ppb	#	95
18) 1,2-Dichlorotrifluoroethan	1.96	67	34336	11.04	ppb		100
19) 1,1-DCE	2.50	61	26057	12.13	ppb		93
20) t-Butanol	3.34	59	22050	128.77	ppb		95
21) Methyl Acetate	2.99	43	8809	11.63	ppb		96
22) Iodomethane	2.65	142	15711	10.59	ppb		94
23) Acrylonitrile	3.43	53	4882	11.61	ppb		90
25) Methylene chloride	3.07	84	15706	10.15	ppb		85
26) Carbon disulfide	2.71	76	22040	10.54	ppb		100
27) Methyl t-butyl ether (MtBE	3.46	73	57232	11.44	ppb		98
28) Trans-1,2-DCE	3.42	96	16018	10.52	ppb		90
29) 3-Methylpentane	3.46	57	9623	11.44	ppb		90
31) Diisopropyl Ether	4.24	45	36494	10.46	ppb		89
32) 1,1-DCA	4.05	63	26961	10.54	ppb		91
34) Ethyl tert Butyl Ether	4.76	59	46806	10.19	ppb		93
36) MEK (2-Butanone)	4.98	43	26714	54.27	ppb		92

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

Data File : M:\MAX\DATA\211008\1014M04.D Vial: 4
Acq On : 14 Oct 21 10:57 Operator: LP,DG,CH
Sample : 211014A LCSD 10ug/L Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 29 14:30 2021 Quant Results File: M1008W.RES

Quant Method : M:\MAX\DATA\211008\M1008W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Mon Oct 11 11:16:12 2021
Response via : Initial Calibration
DataAcq Meth : M8260

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
37)	Cis-1,2-DCE	4.90	96	17729	9.93	ppb		90
38)	2,2-Dichloropropane	4.88	77	35780	10.83	ppb		93
39)	Chloroform	5.35	83	36629	10.56	ppb		96
40)	Bromochloromethane	5.21	130	14666	10.74	ppb	#	86
42)	1,1,1-TCA	5.53	97	42492	11.63	ppb		93
43)	Cyclohexane	5.58	41	13291	11.81	ppb		97
44)	1,1-Dichloropropene	5.74	75	23073	11.16	ppb		97
45)	2,2,4-Trimethylpentane	6.10	57	33295	9.82	ppb		97
47)	Carbon Tetrachloride	5.73	117	39063	11.82	ppb		91
48)	Tert Amyl Methyl Ether	6.17	73	48629	10.71	ppb	#	96
49)	1,2-DCA	6.03	62	33638	10.58	ppb		99
50)	Benzene	5.98	78	61739	10.66	ppb		96
51)	TCE	6.75	95	20450	11.31	ppb		94
52)	2-Pentanone	7.00	43	115251	139.17	ppb		97
53)	1,2-Dichloropropane	6.99	63	6924	11.06	ppb		96
54)	Bromodichloromethane	7.31	83	28134	10.38	ppb		93
55)	Methyl Cyclohexane	6.93	83	24974	10.88	ppb		83
56)	Dibromomethane	7.11	93	10815	10.51	ppb		92
57)	MIBK (methyl isobutyl ket	7.97	43	58105	51.53	ppb	#	95
58)	1-Bromo-2-chloroethane	7.61	144	3618	9.33	ppb		78
60)	Cis-1,3-Dichloropropene	7.78	75	26543	10.34	ppb		94
61)	Toluene	8.11	91	73874	10.34	ppb		94
62)	Trans-1,3-Dichloropropene	8.36	75	26842	10.21	ppb		88
63)	1,1,2-TCA	8.55	83	11301	10.12	ppb		91
64)	2-Hexanone	8.82	43	41164	51.22	ppb		97
67)	1,2-EDB	9.02	107	16827	11.41	ppb		95
68)	Tetrachloroethene	8.66	164	15323	10.60	ppb		99
69)	1-Chlorohexane	9.52	91	13430	9.99	ppb		95
70)	1,1,1,2-Tetrachloroethane	9.61	131	25133	10.41	ppb		93
71)	m&p-Xylene	9.76	106	78735	21.59	ppb		96
72)	o-Xylene	10.15	106	37514	10.14	ppb		91
73)	Styrene	10.17	104	60648	10.05	ppb	#	89
75)	1,3-Dichloropropane	8.70	76	23972	10.60	ppb		98
76)	Dibromochloromethane	8.92	129	24274	10.62	ppb		98
77)	Chlorobenzene	9.52	112	55433	9.96	ppb		98
78)	Ethylbenzene	9.64	91	92581	11.00	ppb		97
79)	Bromoform	10.34	173	20131	10.56	ppb		89
81)	Isopropylbenzene	10.53	105	100089	10.02	ppb		97
82)	1,1,2,2-Tetrachloroethane	10.84	83	16049	9.63	ppb	#	94
83)	1,2,3-Trichloropropane	10.87	110	8556	10.63	ppb	#	79
84)	t-1,4-Dichloro-2-Butene	10.89	53	5621	10.92	ppb		93
85)	Bromobenzene	10.81	156	33528	9.80	ppb		99

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

Data File : M:\MAX\DATA\211008\1014M04.D
Acq On : 14 Oct 21 10:57
Sample : 211014A LCSD 10ug/L
Misc : IS&S 8/4/21

Vial: 4
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Oct 29 14:30 2021 Quant Results File: M1008W.RES

Quant Method : M:\MAX\DATA\211008\M1008W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Mon Oct 11 11:16:12 2021
Response via : Initial Calibration
DataAcq Meth : M8260

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
86)	n-Propylbenzene	10.93	91	104235	10.43	ppb		100
87)	4-Ethyltoluene	11.05	105	101588	10.80	ppb		99
88)	2-Chlorotoluene	11.01	91	67953	8.72	ppb		97
89)	1,3,5-Trimethylbenzene	11.12	105	91709	10.72	ppb		100
90)	4-Chlorotoluene	11.12	91	80118	10.18	ppb		97
91)	Tert-Butylbenzene	11.43	119	50976	10.51	ppb		97
92)	1,2,4-Trimethylbenzene	11.48	105	89012	10.51	ppb		99
93)	Sec-Butylbenzene	11.65	105	100849	11.22	ppb		98
94)	p-Isopropyltoluene	11.80	119	97515	10.57	ppb		94
95)	Benzyl Chloride	11.98	91	19710	8.38	ppb		96
96)	1,3-DCB	11.75	146	57792	10.36	ppb		98
97)	1,4-DCB	11.84	146	58055	10.35	ppb		99
98)	n-Butylbenzene	12.21	91	60269	10.39	ppb		87
99)	1,2-DCB	12.21	146	56576	10.30	ppb		95
100)	Hexachloroethane	12.45	117	13969	9.15	ppb		88
101)	1,2-Dibromo-3-chloropropan	12.99	75	4821	11.13	ppb	#	72
102)	1,2,4-Trichlorobenzene	13.80	180	19600	9.91	ppb	#	84
103)	Hexachlorobutadiene	13.98	225	25226	10.81	ppb		97
104)	Naphthalene	14.05	128	37051	12.10	ppb		94
105)	1,2,3-Trichlorobenzene	14.29	180	25190	10.85	ppb		97

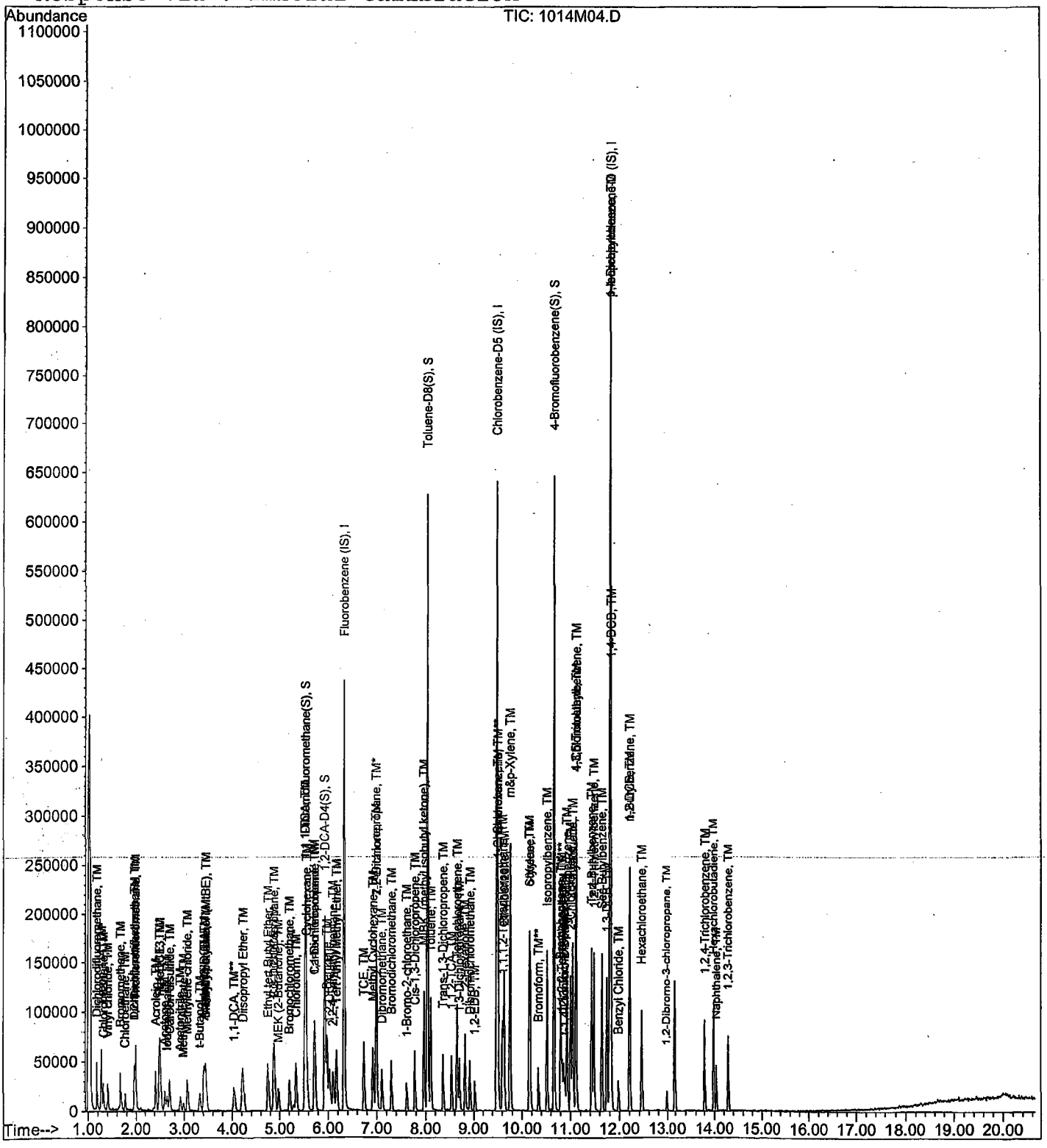
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\MAX\DATA\211008\1014M04.D Vial: 4
Acq On : 14 Oct 21 10:57 Operator: LP,DG,CH
Sample : 211014A LCSD 10ug/L Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 29 14:30 2021 Quant Results File: M1008W.RES

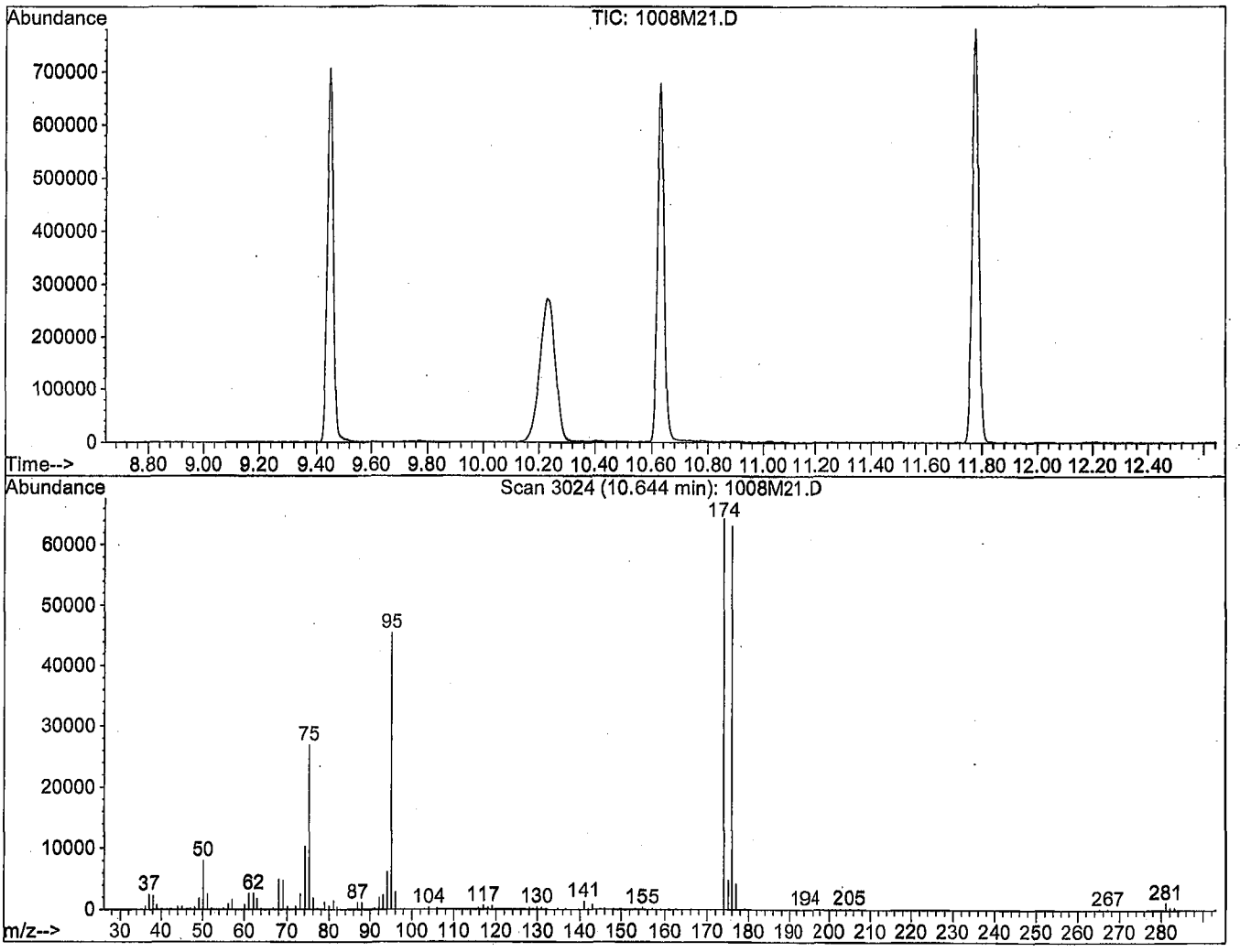
Method : M:\MAX\DATA\211008\M1008W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Mon Oct 11 11:16:12 2021
Response via : Initial Calibration



Data File : M:\MAX\DATA\211008\1008M21.D
Acq On : 8 Oct 21 16:14
Sample : 25ug/L BFB STD 7/13/21
Misc : IS&S 8/4/21

Vial: 1
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Method : M:\MAX\DATA\211008\M1008W.M (RTE Integrator)
Title : METHOD 8260B



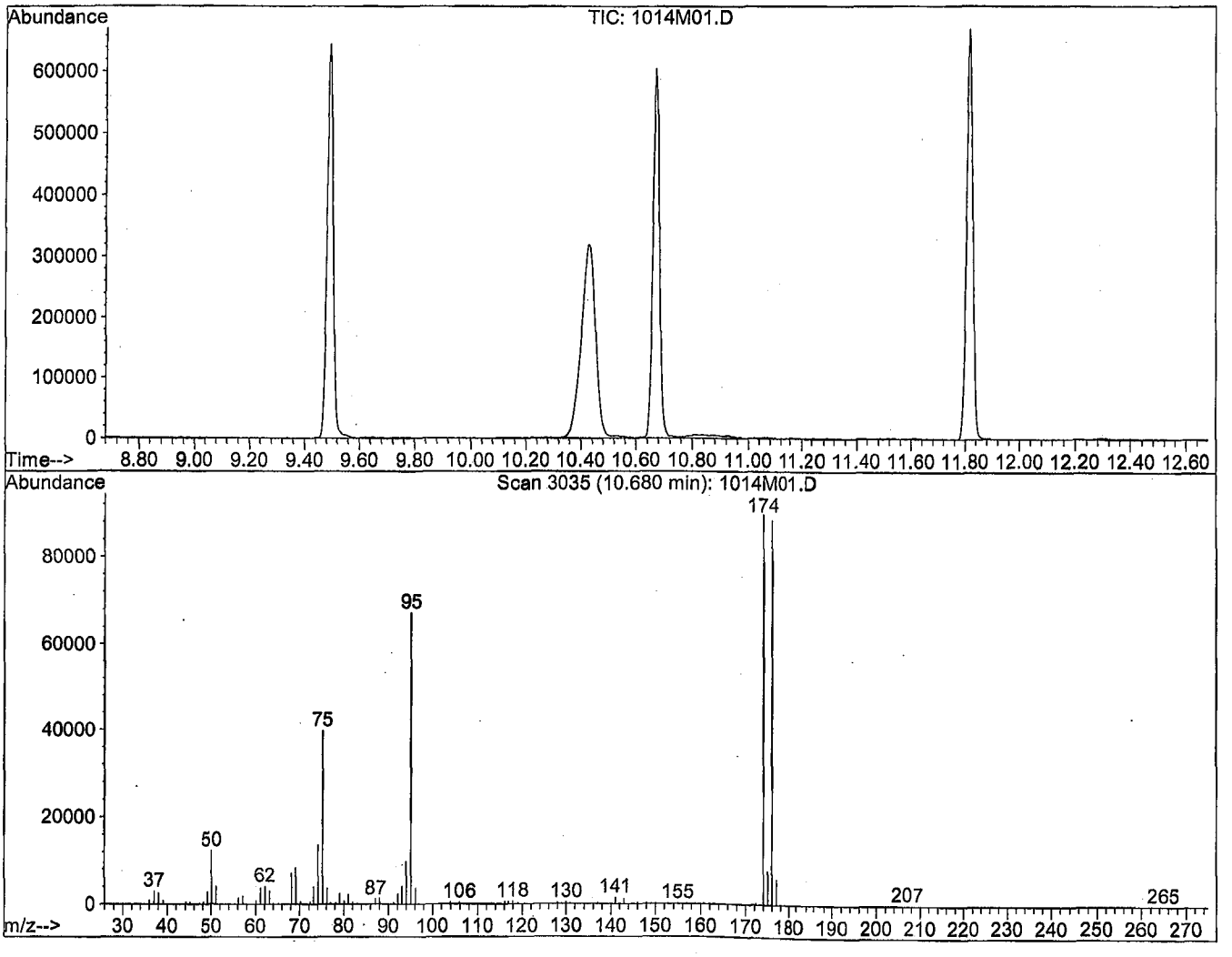
Spectrum Information: Scan 3024

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	17.5	7969	PASS
75	95	30	60	59.1	26896	PASS
95	95	100	200	100.0	45504	PASS
96	95	5	9	6.3	2858	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	200	141.4	64360	PASS
175	174	5	9	7.5	4826	PASS
176	174	95	101	98.1	63128	PASS
177	176	5	9	6.7	4221	PASS

Data File : M:\MAX\DATA\211008\1014M01.D
Acq On : 14 Oct 21 9:32
Sample : 25ug/L BFB STD 7/13/21
Misc : IS&S 8/4/21

Vial: 1
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Method : M:\MAX\DATA\211008\M1008W.M (RTE Integrator)
Title : METHOD 8260B



Spectrum Information: Scan 3035

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.3	12282	PASS
75	95	30	60	59.3	39848	PASS
95	95	100	200	100.0	67232	PASS
96	95	5	9	5.5	3703	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	200	133.7	89856	PASS
175	174	5	9	8.6	7767	PASS
176	174	95	101	98.5	88488	PASS
177	176	5	9	6.5	5795	PASS

MAX 8260 Standard Prep

MAX 8260 Water Calibration Curve

0.3ug/L

Prepared: 10/8/2021

Expires: 10/20/2021

Prepared By (Initials): CH

Initial Standard Information							Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	APPL Mix Name	Conc. (ug/mL)	Reference To APPL Prep Date	Exp. Date	Exp. Date (Manufacturers)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/L)
VOA STD. 9	Various	0.3ug/L	5	Prepared 10/07/21	12/6/2021	N/A	3uL	50mL	P&T Water	0.3
VOA STD. 1	Absolute		50	Prepared 10/07/21	12/6/2021	N/A	5uL			5
VOA STD. 2	Phenova		100	Prepared 10/07/21	12/6/2021	N/A	2.5uL			5
VOA STD. TBA	Various		250	Prepared 10/07/21	10/20/2021	N/A	2uL			10

0.5ug/L

Prepared: 10/8/2021

Expires: 10/20/2021

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. 9	Various	0.5ug/L	5	Prepared 10/07/21	12/6/2021	N/A	5uL	50mL	P&T Water	0.5
VOA STD. 1	Absolute		50	Prepared 10/07/21	12/6/2021	N/A	10uL			10
VOA STD. 2	Phenova		100	Prepared 10/07/21	12/6/2021	N/A	5uL			10
VOA STD. TBA	Various		250	Prepared 10/07/21	10/20/2021	N/A	5uL			25

1.0ug/L

Prepared: 10/8/2021

Expires: 10/20/2021

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. 9	Various	1.0ug/L	5	Prepared 10/07/21	12/6/2021	N/A	10uL	50mL	P&T Water	1
VOA STD. 1	Absolute		50	Prepared 10/07/21	12/6/2021	N/A	20uL			20
VOA STD. 2	Phenova		100	Prepared 10/07/21	12/6/2021	N/A	10uL			20
VOA STD. TBA	Various		250	Prepared 10/07/21	10/20/2021	N/A	10uL			50

2.0ug/L

Prepared: 10/8/2021

Expires: 10/20/2021

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. 9	Various	2.0ug/L	5	Prepared 10/07/21	12/6/2021	N/A	20uL	50mL	P&T Water	2
VOA STD. 1	Absolute		50	Prepared 10/07/21	12/6/2021	N/A	30uL			30
VOA STD. 2	Phenova		100	Prepared 10/07/21	12/6/2021	N/A	15uL			30
VOA STD. TBA	Various		250	Prepared 10/07/21	10/20/2021	N/A	15uL			75

5ug/L

Prepared: 10/8/2021

Expires: 10/20/2021

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	5ug/L	50	Prepared 10/07/21	12/6/2021	N/A	5uL	50mL	P&T Water	5
VOA STD. 8	Phenova		50	Prepared 10/07/21	10/20/2021	N/A	5uL			5
VOA STD. 1	Absolute		50	Prepared 10/07/21	12/6/2021	N/A	40uL			40
VOA STD. 2	Phenova		100	Prepared 10/07/21	12/6/2021	N/A	20uL			20
VOA STD. TBA	Various		250	Prepared 10/07/21	10/20/2021	N/A	20uL			100

10ug/L

Prepared: 10/8/2021

Expires: 10/20/2021

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	10ug/L	50	Prepared 10/07/21	12/6/2021	N/A	10uL	50mL	P&T Water	10
VOA STD. 8	Phenova		50	Prepared 10/07/21	10/20/2021	N/A	10uL			10
VOA STD. 1	Absolute		50	Prepared 10/07/21	12/6/2021	N/A	50uL			50
VOA STD. 2	Phenova		100	Prepared 10/07/21	12/6/2021	N/A	25uL			50
VOA STD. TBA	Various		250	Prepared 10/07/21	10/20/2021	N/A	25uL			125

20ug/L

Prepared: 10/8/2021

Expires: 10/20/2021

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	20ug/L	50	Prepared 10/07/21	12/6/2021	N/A	20uL	50mL	P&T Water	20
VOA STD. 8	Phenova		50	Prepared 10/07/21	10/20/2021	N/A	20uL			20
VOA STD. 1	Absolute		50	Prepared 10/07/21	12/6/2021	N/A	60uL			60
VOA STD. 2	Phenova		100	Prepared 10/07/21	12/6/2021	N/A	30uL			60
VOA STD. TBA	Various		250	Prepared 10/07/21	10/20/2021	N/A	30uL			150

40ug/L

Prepared: 10/8/2021

Expires: 10/20/2021

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	40ug/L	50	Prepared 10/07/21	12/6/2021	N/A	40uL	50mL	P&T Water	40
VOA STD. 8	Phenova		50	Prepared 10/07/21	10/20/2021	N/A	40uL			40
VOA STD. 1	Absolute		50	Prepared 10/07/21	12/6/2021	N/A	80uL			80
VOA STD. 2	Phenova		100	Prepared 10/07/21	12/6/2021	N/A	40uL			80
VOA STD. TBA	Various		250	Prepared 10/07/21	10/20/2021	N/A	35uL			175

100ug/L

Prepared: 10/8/2021

Expires: 10/20/2021

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	100ug/L	50	Prepared 10/07/21	12/6/2021	N/A	100uL	50mL	P&T Water	100
VOA STD. 8	Phenova		50	Prepared 10/07/21	10/20/2021	N/A	100uL			100
VOA STD. 1	Absolute		50	Prepared 10/07/21	12/6/2021	N/A	100uL			100
VOA STD. 2	Phenova		100	Prepared 10/07/21	12/6/2021	N/A	50uL			100
VOA STD. TBA	Various		250	Prepared 10/07/21	10/20/2021	N/A	40uL			200

MAX 8260 Water Second Source (SS)

Prepared: 10/8/2021

Prepared By (Initials): CH

Expires: 10/20/2021

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. 3	Phenova	8260 Water SS	100	Prepared 10/07/21	12/6/2021	N/A	25uL	50mL	P&T Water	50
VOA STD. GASES	Phenova	8260 Water SS	50	Prepared 10/07/21	12/6/2021	N/A	10uL			10
VOA STD. 0	Phenova	8260 Water SS	50	Prepared 10/07/21	12/6/2021	N/A	10uL			10
VOA STD. 2-CEVE	Absolute	8260 Water SS	50	Prepared 10/07/21	10/7/2021	N/A	50uL			50
VOA STD. 6	Various	8260 Water SS	50	Prepared 10/07/21	10/20/2021	N/A	10uL			10
Voa STD. TBA	Various	8260 Water SS	250	Prepared 10/07/21	10/20/2021	N/A	25uL			250

8260 Water Continuing Calibrations (CCV)/ Lab Control Spikes (LCS)

Prepared: 10/8/2021

Prepared By (Initials): CH

Expires: 10/9/2021

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 10/07/21	12/6/2021	N/A	10uL	50mL	P&T Water	10
VOA STD. 8	Phenova	CCV/ LCS	50	Prepared 10/07/21	10/20/2021	N/A	10uL			10
VOA STD. 1	Absolute	CCV/ LCS	50	Prepared 10/07/21	12/6/2021	N/A	50uL			50
VOA STD. 2	Phenova	CCV/ LCS	100	Prepared 10/07/21	12/6/2021	N/A	25uL			50
VOA STD. TBA	Various	CCV/ LCS	250	Prepared 10/07/21	10/20/2021	N/A	25uL			250

Primary and Secondary Working Standards

Primary Standards

VOA STD 7

Prepared: 10/7/2021 A
Expires: 12/6/2021
Methanol Lot No. DW117-US-0095

Prepared By (Initials): CH

Initial Standard Information							Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	Supplier P/N#	Conc. (ug/mL)	Lot Number - QA Number	Exp. Date (1 yr)	Exp. Date (Manufacturers)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/mL)
VOA Gasses STD	Phenova	ALO-101206	2,000	CL15769-52930	10/7/2022	9/30/2025	100uL	4mL	Methanol	50
Hexachloroethane	Absolute	70199	1,000	021621-52915	10/7/2022	2/16/2026	200uL			50
Benzyl Chloride	Absolute	70037	1,000	062521-52910	10/7/2022	8/25/2022	200uL			50

VOA STD 8

Prepared: 10/7/2021 B
Expires: 10/20/2021
Methanol Lot No. DW117-US-0095

Prepared By (Initials): CH

Initial Standard Information							Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	Supplier P/N#	Conc. (ug/mL)	Lot Number - QA Number	Exp. Date (1 yr)	Exp. Date (Manufacturers)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/mL)
VOA Additions STD	Phenova	ALO-130175	2,000	CL14058-52743	10/7/2022	8/31/2022	100uL	4mL	Methanol	50
502.2 Cal. Std.	Phenova	ALO-101200	2,000	CL16071-52950	10/7/2022	11/30/2025	100uL			50
Vinyl Acetate	Phenova	ALO-101228	2,000	CL17402-53013	9/29/2022	10/20/2021	100uL			50

VOA STD TBA

Prepared: 10/7/2021 C
Expires: 10/20/2021
Methanol Lot No. DW117-US-0095

Prepared By (Initials): CH

Initial Standard Information							Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	Supplier P/N#	Conc. (ug/mL)	Lot Number - QA Number	Exp. Date (1 yr)	Exp. Date (Manufacturers)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/mL)
Custom VOC Mix	Phenova	ALO-130176	2,000	CL15725-52955	10/7/2022	9/30/2023	500uL	4mL	Methanol	250
Acrolein	Phenova	ALO-130549	10,000	CL17404-53015	9/29/2022	10/20/2021	100uL			250

VOA STD 1

Prepared: 10/7/2021 D
Expires: 12/6/2021
Methanol Lot No. DW117-US-0095

Prepared By (Initials): CH

Initial Standard Information							Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	Supplier P/N#	Conc. (ug/mL)	Lot Number - QA Number	Exp. Date (1 yr)	Exp. Date (Manufacturers)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/mL)
2-CEVE	Absolute	82408	2,000	052521-52807	9/21/2022	5/25/2024	50	2mL	Methanol	50

VOA STD 2

Prepared: 10/7/2021 E
Expires: 12/6/2021
Methanol Lot No. DW117-US-0095

Prepared By (Initials): CH

Initial Standard Information							Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	Supplier P/N#	Conc. (ug/mL)	Lot Number - QA Number	Exp. Date (1 yr)	Exp. Date (Manufacturers)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/mL)
Ketones Std.	Phenova	ALO-109211	2,000	CL16067-52967	10/7/2022	11/30/2030	200	4mL	Methanol	100

VOA STD 9

Prepared: 10/7/2021 F
Expires: 12/6/2021
Methanol Lot No. DW117-US-0095

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 (1 yr)	Exp. Date (Manufacturers)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/mL)
VOA STD. 7		VOA STD. 9	50	Prepared 10/07/21	10/7/2022	N/A	200uL	2mL	Methanol	5
VOA STD. 8			50	Prepared 10/07/21	10/7/2022	N/A	200uL			5

VOA STD. 10

Prepared: 10/7/2021 G
Expires: 12/6/2021
Methanol Lot No. DW117-US-0095

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 (1 yr)	Exp. Date (Manufacturers)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/mL)
VOA STD. 1		VOA STD. 10	50	Prepared 10/07/21	10/7/2022	N/A	200uL	2mL	Methanol	5

VOA STD. 12

Prepared: 10/7/2021 H
Expires: 12/6/2021
Methanol Lot No. DW117-US-0095

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 (1 yr)	Exp. Date (Manufacturers)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/mL)
VOA STD. 2		VOA STD. 12	50	Prepared 10/07/21	10/7/2022	N/A	200uL	2mL	Methanol	5

Second Source (SS) Standards

VOA STD. 3

Prepared: 10/7/2021 I
Expires: 12/6/2021
Methanol Lot No. DW117-US-0095

Prepared By (Initials): CH

Initial Standard Information							Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	Supplier P/N#	Conc. (ug/mL)	Lot Number - QA Number	Exp. Date (1 yr)	Exp. Date (Manufacturers)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/mL)
Ketones Standard	Phenova	ALO-101211	2,000	CL16074-52970	10/7/2022	11/30/2030	100uL	2mL	Methanol	100

VOA STD. Gases

Prepared: 10/7/2021 J
Expires: 12/6/2021
Methanol Lot No. DW117-US-0095

Prepared By (Initials): CH

Initial Standard Information							Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	Supplier P/N#	Conc. (ug/mL)	Lot Number - QA Number	Exp. Date (1 yr)	Exp. Date (Manufacturers)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/mL)
8260 Gases (SS)	Phenova	ALO-101206	2,000	CL15768-52935	10/7/2022	9/30/2025	50uL	2mL	Methanol	50

VOA STD. 6

Prepared: 10/7/2021 K
Expires: 10/20/2021
Methanol Lot No. DW117-US-0095

Prepared By (Initials): CH

Initial Standard Information							Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	Supplier P/N#	Conc. (ug/mL)	Lot Number - QA Number	Exp. Date (1 yr)	Exp. Date (Manufacturers)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/mL)
502.2 Calibration STD. (54-compounds)	Phenova	ALO-101200	2,000	CL16052-52945	10/7/2022	11/30/2025	50uL	2mL	Methanol	50
Vinyl Acetate	Phenova	ALO-101228	2,000	CL17402-53012	9/29/2022	10/20/2021	50uL			50
Hexachloroethane	Accustand	AS-E0011	1,000	219061767-52922	10/7/2022	6/28/2029	100uL			50
Benzyl Chloride	Accustand	M-8010-01	200	219111303-01-52927	10/7/2022	1/30/2023	500uL			50

VOA STD. TBA

Prepared: 10/7/2021 L
Expires: 10/20/2021
Methanol Lot No. DW117-US-0095

Prepared By (Initials): CH

Initial Standard Information							Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	Supplier P/N#	Conc. (ug/mL)	Lot Number - QA Number	Exp. Date (1 yr)	Exp. Date (Manufacturers)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/mL)
Custom VOA Mix (4-3)	Phenova	ALO-130176	2,000	CL16012-52959	10/7/2022	11/30/2023	250uL	2mL	Methanol	250
Acrolein	Phenova	ALO-101224	10,000	CL17404-53014	9/29/2022	10/20/2021	50uL			250

VOA STD. 0

Prepared: 10/7/2021 M
Expires: 12/6/2021
Methanol Lot No. DW117-US-0095

Prepared By (Initials): CH

Initial Standard Information							Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	Supplier P/N#	Conc. (ug/mL)	Lot Number - QA Number	Exp. Date (1 yr)	Exp. Date (Manufacturers)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/mL)
VOA Addition STD.	Phenova	ALO-130175	2,000	CL17040-52941	10/7/2022	7/31/2024	50uL	2mL	Methanol	50

VOA STD. 2-CEVE

Prepared: 10/7/2021 N
Expires: 12/6/2021
Methanol Lot No. DW117-US-0095

Prepared By (Initials): CH

Initial Standard Information							Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	Supplier P/N#	Conc. (ug/mL)	Lot Number - QA Number	Exp. Date (1 yr)	Exp. Date (Manufacturers)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/mL)
2-CEVE (SS)	Absolute	82408	2,000	011320-52808	9/21/2022	1/13/2023	50uL	2mL	Methanol	50

Injection Log

Directory: M:\MAX\DATA\211008\

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	1	1008M21.D	1	25ug/L BFB STD 7/13/21	IS&S 8/4/21	8 Oct 21 16:14
2	2	1008M22.D	1	0.3ug/L VOC STD 10/8/21	IS&S 8/4/21	8 Oct 21 16:42
3	3	1008M23.D	1	0.5ug/L VOC STD 10/8/21	IS&S 8/4/21	8 Oct 21 17:11
4	4	1008M24.D	1	1ug/L VOC STD 10/8/21	IS&S 8/4/21	8 Oct 21 17:39
5	5	1008M25.D	1	2ug/L VOC STD 10/8/21	IS&S 8/4/21	8 Oct 21 18:07
6	6	1008M26.D	1	5ug/L VOC STD 10/8/21	IS&S 8/4/21	8 Oct 21 18:35
7	7	1008M27.D	1	10ug/L VOC STD 10/8/21	IS&S 8/4/21	8 Oct 21 19:03
8	8	1008M28.D	1	20ug/L VOC STD 10/8/21	IS&S 8/4/21	8 Oct 21 19:31
9	9	1008M29.D	1	40ug/L VOC STD 10/8/21	IS&S 8/4/21	8 Oct 21 19:59
10	10	1008M30.D	1	100ug/L VOC STD 10/8/21	IS&S 8/4/21	8 Oct 21 20:27
11	12	1008M32.D	1	(SS) 10ug/L VOC STD 10/8/21	IS&S 8/4/21	8 Oct 21 21:23
12	1	1014M01.D	1	25ug/L BFB STD 7/13/21	IS&S 8/4/21	14 Oct 21 9:32
13	2	1014M02.D	1	211014A CCV 10ug/L	IS&S 8/4/21	14 Oct 21 10:00
14	3	1014M03.D	1	211014A LCS 10ug/L	IS&S 8/4/21	14 Oct 21 10:28
15	4	1014M04.D	1	211014A LCSD 10ug/L	IS&S 8/4/21	14 Oct 21 10:57
16	8	1014M08.D	1	211014A BLK	IS&S 8/4/21	14 Oct 21 12:50
17	13	1014M13.D	1	BA42228W02	IS&S 8/4/21	14 Oct 21 15:12
18	14	1014M14.D	1	BA42229W01	IS&S 8/4/21	14 Oct 21 15:41
19	15	1014M15.D	1	BA42230W01	IS&S 8/4/21	14 Oct 21 16:09
20	16	1014M16.D	1	BA42231W01	IS&S 8/4/21	14 Oct 21 16:37
21	17	1014M17.D	1	BA42232W01	IS&S 8/4/21	14 Oct 21 17:06
22	26	1014M26.D	1	Ending CCV 10ug/L 10/14/21	IS&S 8/4/21	14 Oct 21 21:21

ORGANICS
Calibration Data

VOLATILE ORGANIC ANALYSIS
VOLATILE ORGANIC COMPOUNDS

Form 6
Initial Calibration

Lab Name: APPL, Inc. SDG No:
Case No: Initial Cal. Date: 8/25/2021
Matrix: Instrument: Max Initials:

		Compound	1	2	3	4	5	6	7				Avg	%RSD	Type	r^2	Q	MRF
			0825M23.D	0825M24.D	0825M25.D	0825M26.D	0825M27.D	0825M28.D	0825M29.D									
1	I	Fluorobenzene (IS)																
2	TMHBL	Gasoline C6-C10	13.8	5.689	3.019	1.290	0.8206	0.7117	0.6349				3.7	130	TMHB	0.999		
3	TMHB	Chlorobenzene-D5 (IS)																
4	TMHB	1,4-Dichlorobenzene (IS)																
5																		
6																		
7																		
8																		
9																		
10																		
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35																		

Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\210825\0825M23.D Vial: 13
Acq On : 25 Aug 21 20:23 Operator: LP,DG,CH
Sample : 20ug/L GAS STD 8/25/21 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Aug 26 16:15 2021 Quant Results File: MGAS0825.RES

Quant Method : M:\MAX\DATA\210825\MGAS0825.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 16:13:10 2021
Response via : Initial Calibration
DataAcq Meth : M8260_081021

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.21	TIC	284811	25.00	ppb	0.00
3) Chlorobenzene-D5 (IS)	11.75	TIC	236410m	25.00	ppb	0.00
4) 1,4-Dichlorobenzene (IS)	10.94	TIC	14670m	25.00	ppb	0.00
System Monitoring Compounds						
Target Compounds						Qvalue
2) Gasoline C6-C10	7.95	TIC	3136582m	38.03	ppb	100

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

Quantitation Report

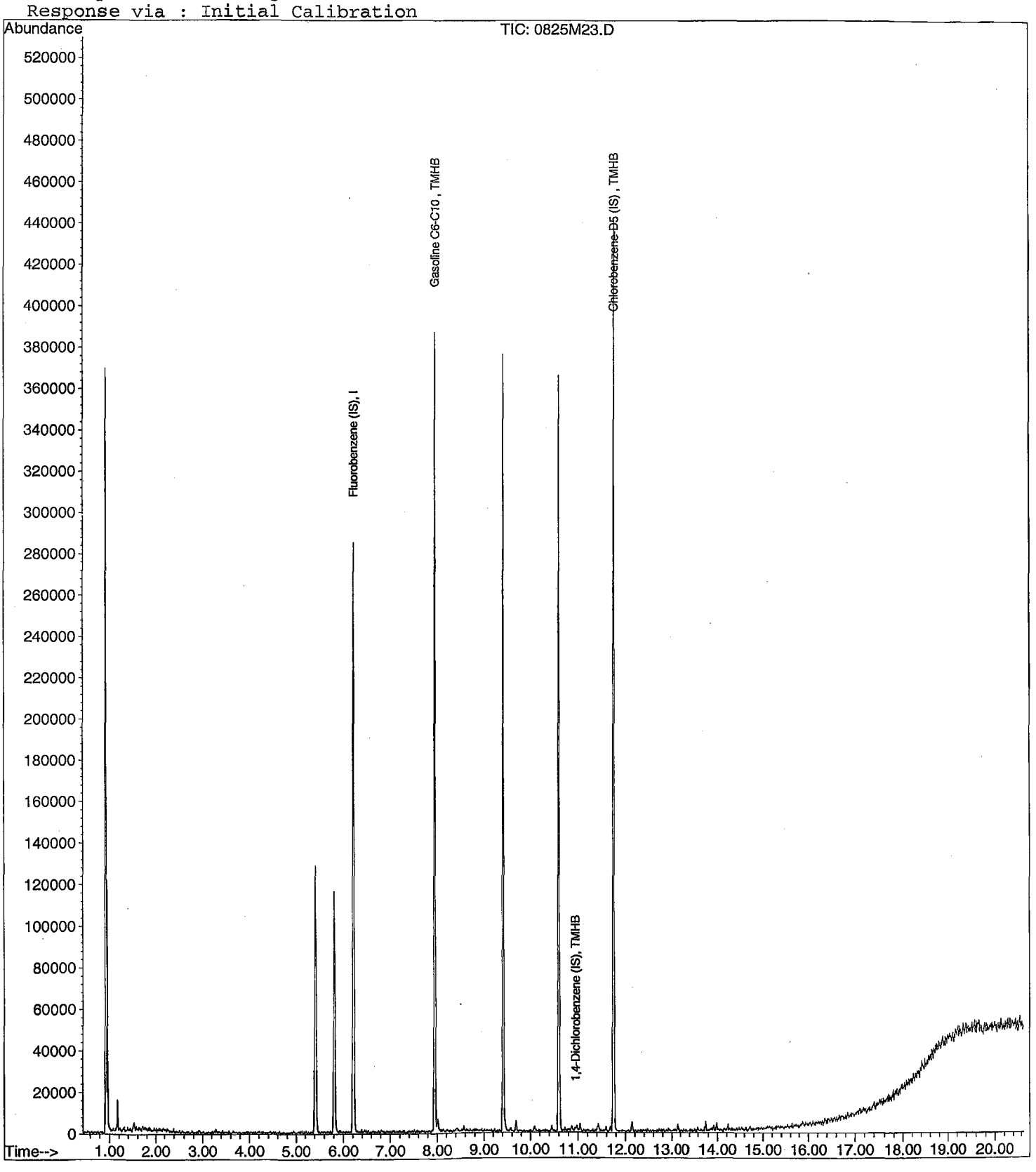
Data File : M:\MAX\DATA\210825\0825M23.D
Acq On : 25 Aug 21 20:23
Sample : 20ug/L GAS STD 8/25/21
Misc : IS&S 6/4/21

Vial: 13
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Aug 26 16:15 2021

Quant Results File: MGAS0825.RES

Method : M:\MAX\DATA\210825\MGAS0825.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 16:19:36 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\210825\0825M24.D
Acq On : 25 Aug 21 20:51
Sample : 50ug/L GAS STD 8/25/21
Misc : IS&S 6/4/21

Vial: 14
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Aug 26 16:15 2021 Quant Results File: MGAS0825.RES

Quant Method : M:\MAX\DATA\210825\MGAS0825.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 16:13:10 2021
Response via : Initial Calibration
DataAcq Meth : M8260_081021

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	6.21	TIC	285081	25.00 ppb	0.00
3) Chlorobenzene-D5 (IS)	11.75	TIC	248593m	25.00 ppb	0.00
4) 1,4-Dichlorobenzene (IS)	10.94	TIC	21251m	25.00 ppb	0.00
System Monitoring Compounds					
Target Compounds					Qvalue
2) Gasoline C6-C10	7.95	TIC	3243874m	61.97 ppb	100

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

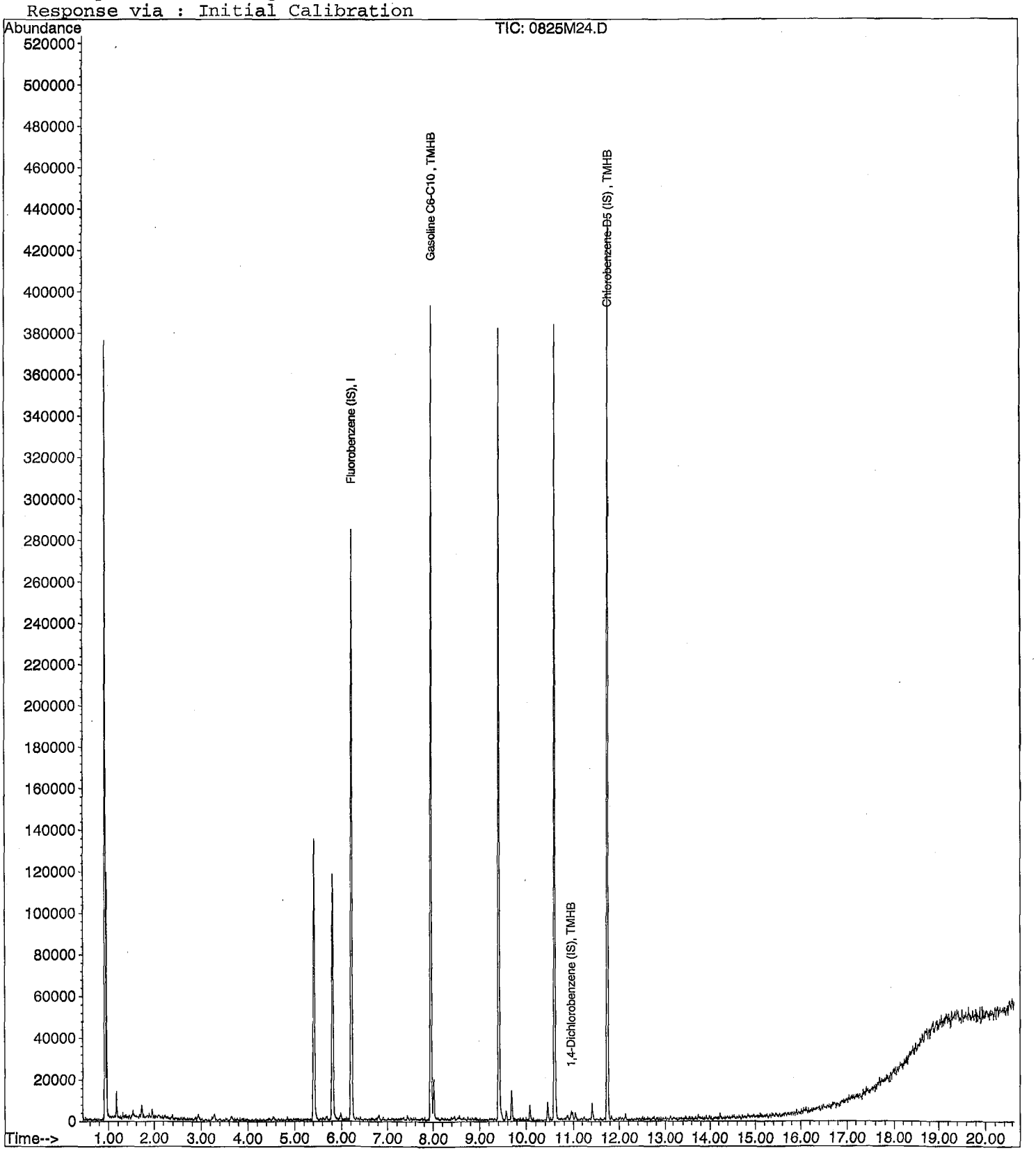
Quantitation Report

Data File : M:\MAX\DATA\210825\0825M24.D
Acq On : 25 Aug 21 20:51
Sample : 50ug/L GAS STD 8/25/21
Misc : IS&S 6/4/21

Vial: 14
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Aug 26 16:15 2021 Quant Results File: MGAS0825.RES

Method : M:\MAX\DATA\210825\MGAS0825.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 16:19:36 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\210825\0825M25.D Vial: 15
Acq On : 25 Aug 21 21:19 Operator: LP,DG,CH
Sample : 100ug/L GAS STD 8/25/21 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Aug 26 16:16 2021 Quant Results File: MGAS0825.RES

Quant Method : M:\MAX\DATA\210825\MGAS0825.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 16:13:10 2021
Response via : Initial Calibration
DataAcq Meth : M8260_081021

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.21	TIC	286586	25.00	ppb	0.00
3) Chlorobenzene-D5 (IS)	11.75	TIC	245880m	25.00	ppb	0.00
4) 1,4-Dichlorobenzene (IS)	10.94	TIC	32801m	25.00	ppb	0.00
System Monitoring Compounds						
Target Compounds						Qvalue
2) Gasoline C6-C10	7.95	TIC	3460677m	107.56	ppb	100

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

Quantitation Report

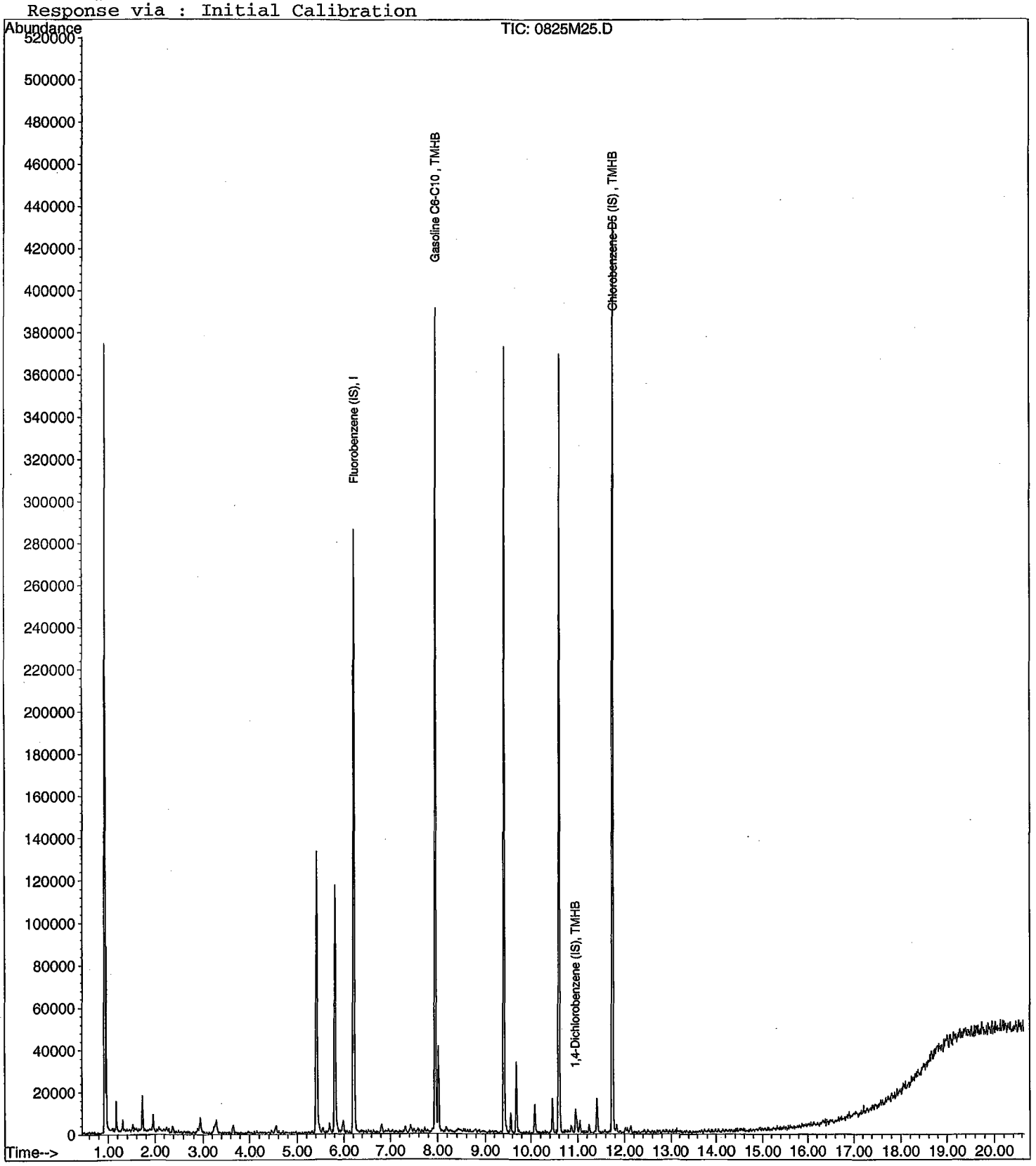
Data File : M:\MAX\DATA\210825\0825M25.D
Acq On : 25 Aug 21 21:19
Sample : 100ug/L GAS STD 8/25/21
Misc : IS&S 6/4/21

Vial: 15
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Aug 26 16:16 2021

Quant Results File: MGAS0825.RES

Method : M:\MAX\DATA\210825\MGAS0825.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 16:19:36 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\210825\0825M26.D Vial: 16
Acq On : 25 Aug 21 21:47 Operator: LP,DG,CH
Sample : 300ug/L GAS STD 8/25/21 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Aug 26 16:16 2021 Quant Results File: MGAS0825.RES

Quant Method : M:\MAX\DATA\210825\MGAS0825.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 16:13:10 2021
Response via : Initial Calibration
DataAcq Meth : M8260_081021

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.21	TIC	280163	25.00	ppb	0.00
3) Chlorobenzene-D5 (IS)	11.75	TIC	264646m	25.00	ppb	0.00
4) 1,4-Dichlorobenzene (IS)	10.94	TIC	87973m	25.00	ppb	0.00
System Monitoring Compounds						
Target Compounds						Qvalue
2) Gasoline C6-C10	7.95	TIC	4335414m	329.97	ppb	100

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

Quantitation Report

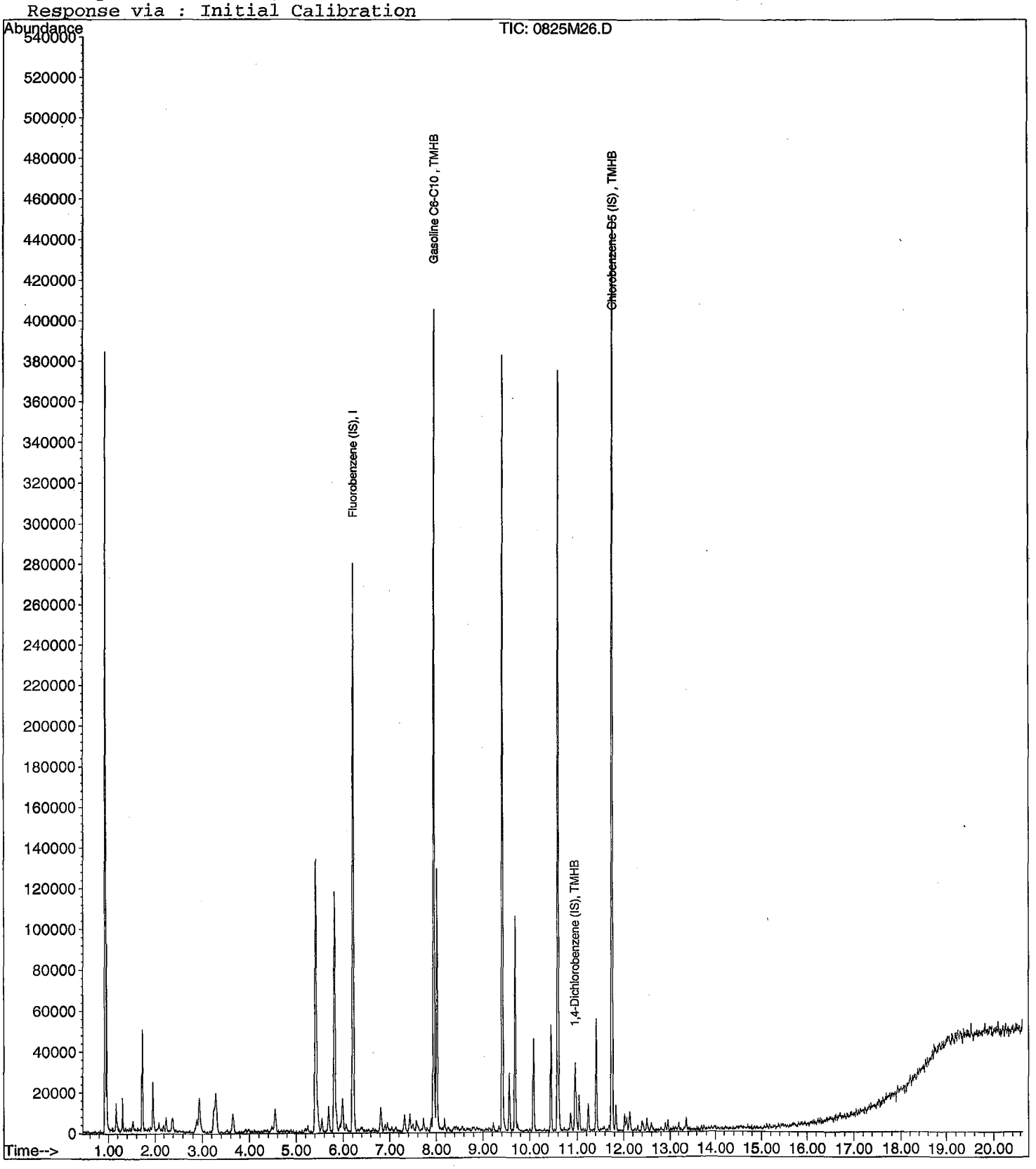
Data File : M:\MAX\DATA\210825\0825M26.D
Acq On : 25 Aug 21 21:47
Sample : 300ug/L GAS STD 8/25/21
Misc : IS&S 6/4/21

Vial: 16
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Aug 26 16:16 2021

Quant Results File: MGAS0825.RES

Method : M:\MAX\DATA\210825\MGAS0825.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 16:19:36 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\210825\0825M27.D Vial: 17
Acq On : 25 Aug 21 22:14 Operator: LP,DG,CH
Sample : 600ug/L GAS STD 8/25/21 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Aug 26 16:18 2021 Quant Results File: MGAS0825.RES

Quant Method : M:\MAX\DATA\210825\MGAS0825.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 16:13:10 2021
Response via : Initial Calibration
DataAcq Meth : M8260_081021

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.21	TIC	283991	25.00	ppb	0.00
3) Chlorobenzene-D5 (IS)	11.75	TIC	290103m	25.00	ppb	0.00
4) 1,4-Dichlorobenzene (IS)	10.94	TIC	180429m	25.00	ppb	0.00
System Monitoring Compounds						
Target Compounds						Qvalue
2) Gasoline C6-C10	7.95	TIC	5593097m	606.10	ppb	100

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

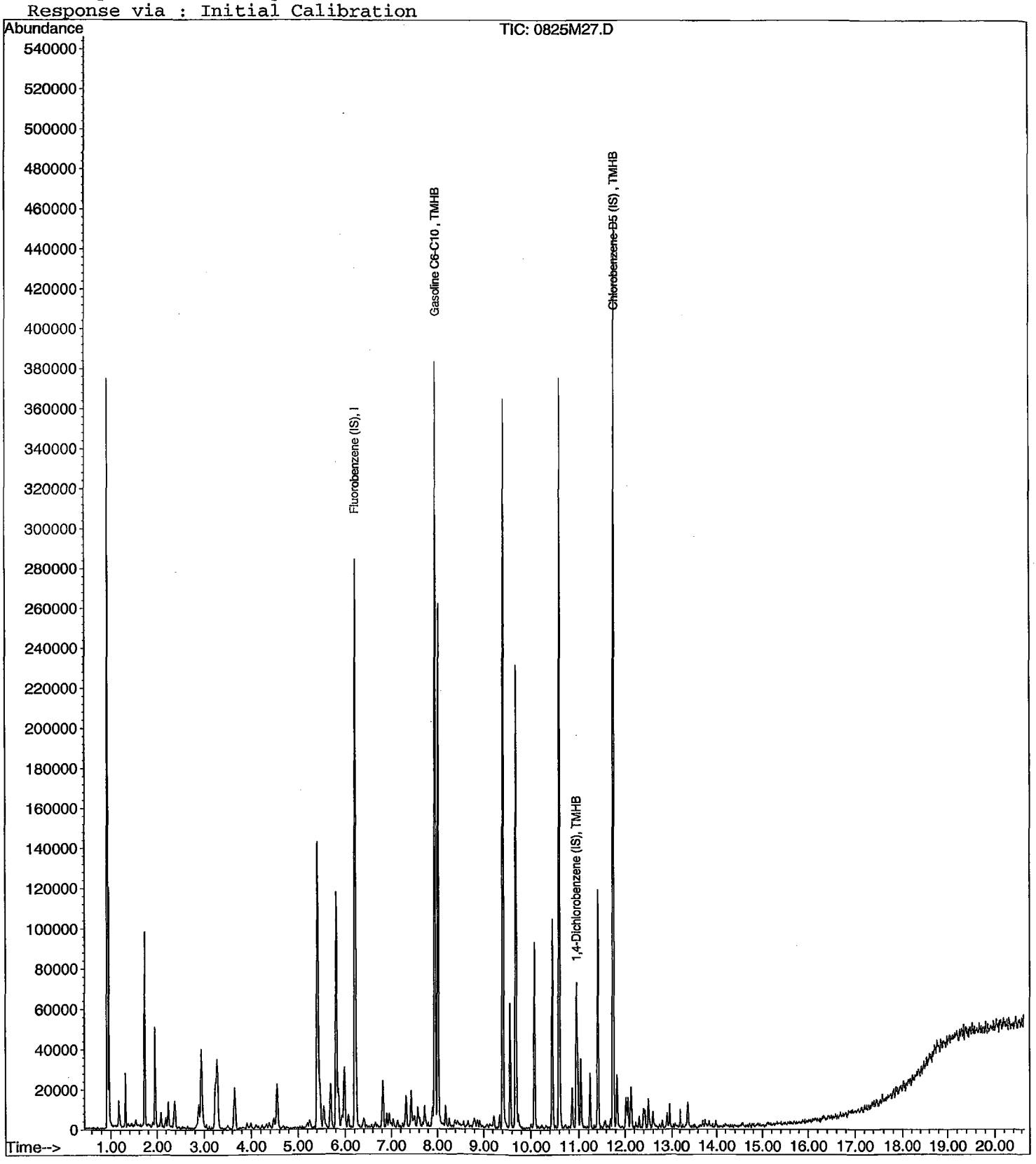
Quantitation Report

Data File : M:\MAX\DATA\210825\0825M27.D
Acq On : 25 Aug 21 22:14
Sample : 600ug/L GAS STD 8/25/21
Misc : IS&S 6/4/21

Vial: 17
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Aug 26 16:18 2021 Quant Results File: MGAS0825.RES

Method : M:\MAX\DATA\210825\MGAS0825.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 16:19:36 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\210825\0825M28.D Vial: 18
Acq On : 25 Aug 21 22:42 Operator: LP,DG,CH
Sample : 800ug/L GAS STD 8/25/21 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Aug 26 16:18 2021 Quant Results File: MGAS0825.RES

Quant Method : M:\MAX\DATA\210825\MGAS0825.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 16:13:10 2021
Response via : Initial Calibration
DataAcq Meth : M8260_081021

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.21	TIC	288929	25.00	ppb	0.00
3) Chlorobenzene-D5 (IS)	11.75	TIC	313031m	25.00	ppb	0.00
4) 1,4-Dichlorobenzene (IS)	10.94	TIC	240514m	25.00	ppb	0.00
System Monitoring Compounds						
Target Compounds						Qvalue
2) Gasoline C6-C10	7.95	TIC	6580092m	807.60	ppb	100

(#) = qualifier out of range (m) = manual integration
0825M28.D MGAS0825.M Fri Oct 15 06:06:53 2021

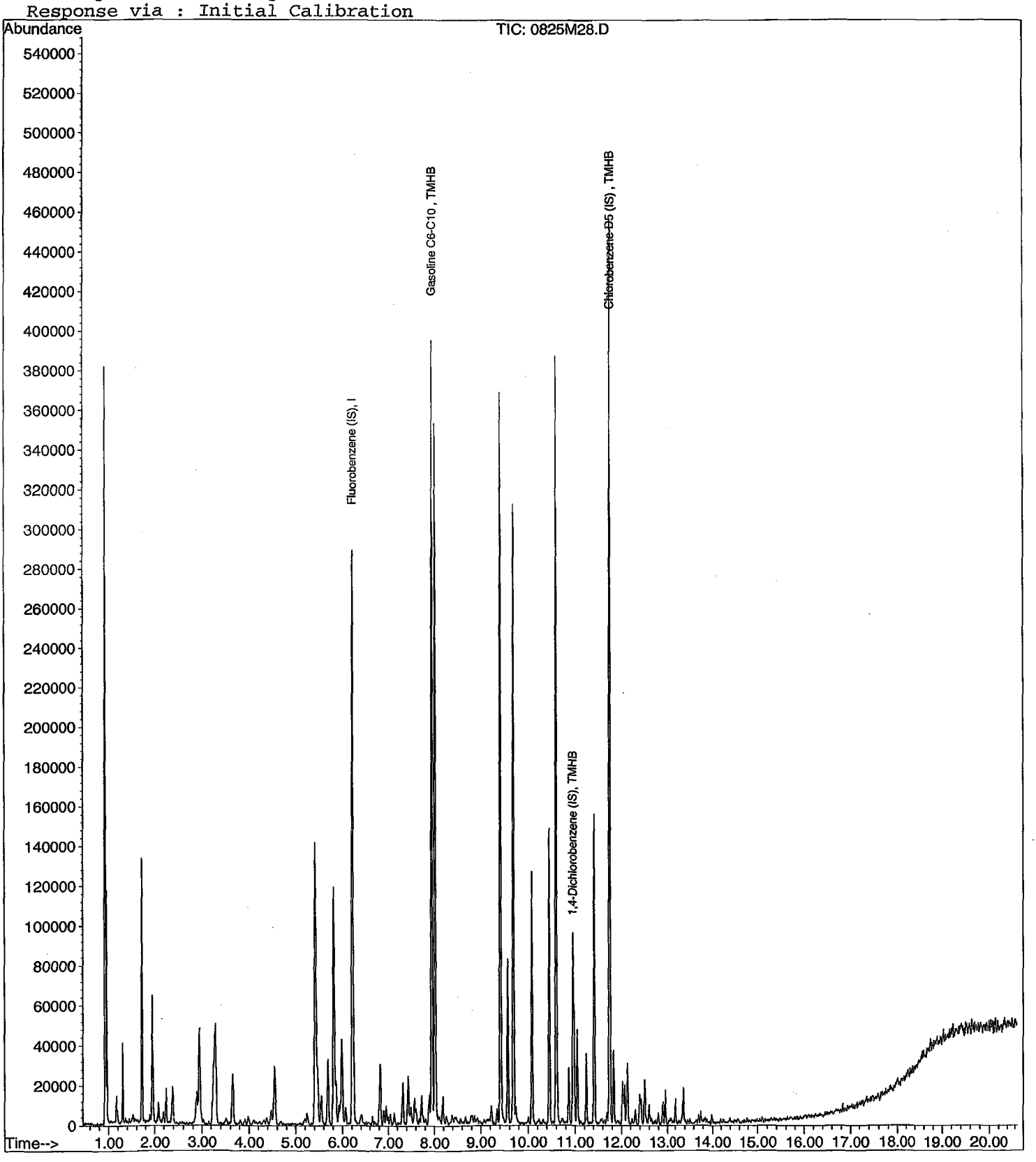
Quantitation Report

Data File : M:\MAX\DATA\210825\0825M28.D
Acq On : 25 Aug 21 22:42
Sample : 800ug/L GAS STD 8/25/21
Misc : IS&S 6/4/21

Vial: 18
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Aug 26 16:18 2021 Quant Results File: MGAS0825.RES

Method : M:\MAX\DATA\210825\MGAS0825.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 16:19:36 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\210825\0825M29.D Vial: 19
Acq On : 25 Aug 21 23:10 Operator: LP,DG,CH
Sample : 1000ug/L GAS STD 8/25/21 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Aug 26 16:19 2021 Quant Results File: MGAS0825.RES

Quant Method : M:\MAX\DATA\210825\MGAS0825.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 16:13:10 2021
Response via : Initial Calibration
DataAcq Meth : M8260_081021

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.21	TIC	286598	25.00	ppb	0.00
3) Chlorobenzene-D5 (IS)	11.75	TIC	331346m	25.00	ppb	0.00
4) 1,4-Dichlorobenzene (IS)	10.94	TIC	289883m	25.00	ppb	0.00
System Monitoring Compounds						
Target Compounds						Qvalue
2) Gasoline C6-C10	8.02	TIC	7278206m	979.10	ppb	100

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

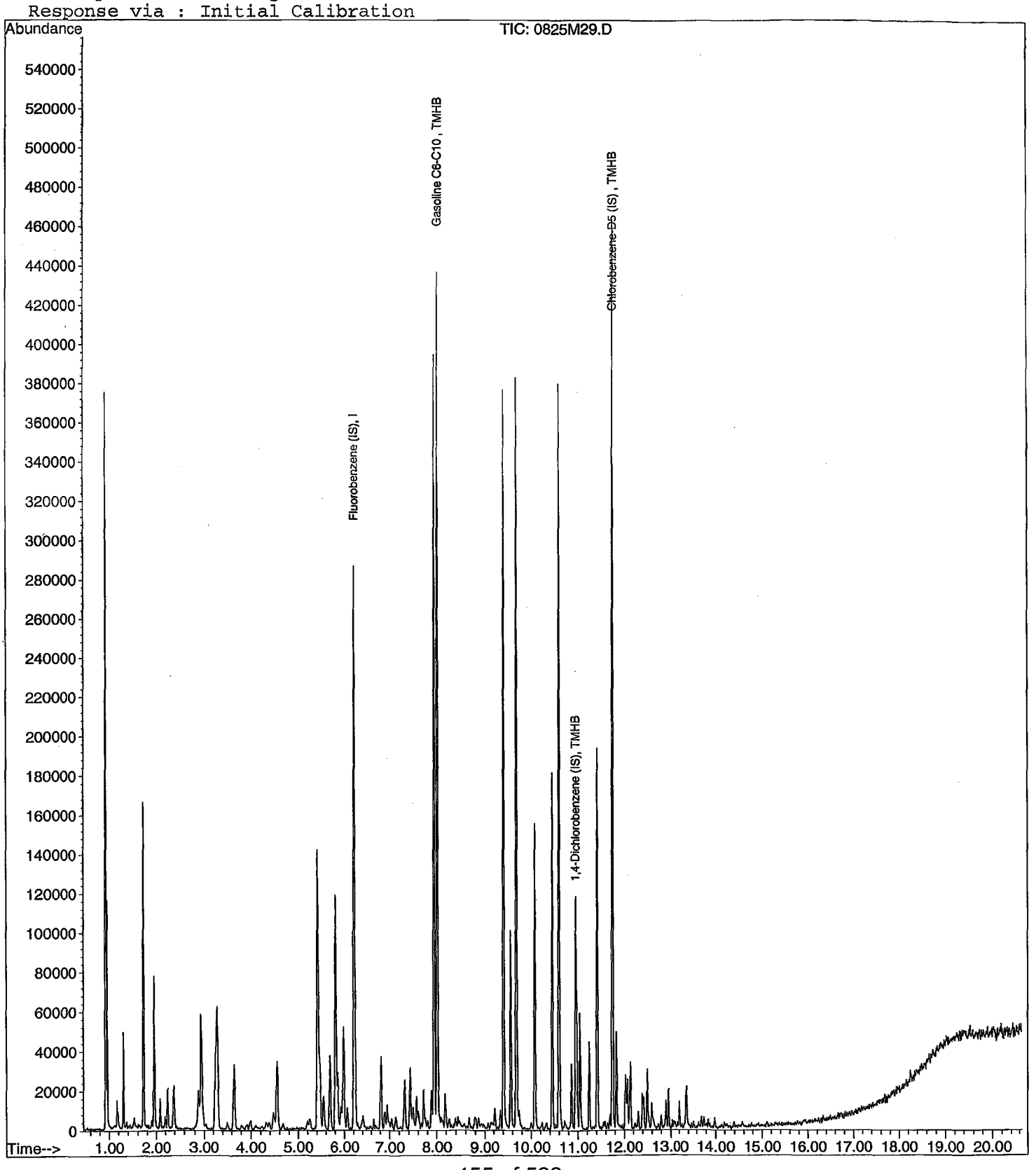
Quantitation Report

Data File : M:\MAX\DATA\210825\0825M29.D
Acq On : 25 Aug 21 23:10
Sample : 1000ug/L GAS STD 8/25/21
Misc : IS&S 6/4/21

Vial: 19
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Aug 26 16:19 2021 Quant Results File: MGAS0825.RES

Method : M:\MAX\DATA\210825\MGAS0825.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 16:19:36 2021
Response via : Initial Calibration



VOLATILE ORGANIC ANALYSIS
VOLATILE ORGANIC COMPOUNDS

Form 7

Second Source Calibration

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

SDG No:
Date Analyzed: 8/26/2021
Instrument: Max
Initial Cal. Date: 8/25/2021
Data File: 0825M31.D

		Compound	MEAN	CCRF	%D		%Drift
1	TMHB	Gasoline C6-C10	3.704	1.312	65	TMHBL	12
2							
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37							
38							
39							
40							
		Average			65.0		

Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\210825\0825M31.D Vial: 21
Acq On : 26 Aug 21 00:06 Operator: LP,DG,CH
Sample : (SS) 300ug/L GAS STD 8/25/21 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Sep 1 8:52 2021 Quant Results File: MGAS0825.RES

Quant Method : M:\MAX\DATA\210825\MGAS0825.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 16:19:36 2021
Response via : Initial Calibration
DataAcq Meth : M8260_081021

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.21	TIC	283312	25.00	ppb	0.00
3) Chlorobenzene-D5 (IS)	11.75	TIC	277458m	25.00	ppb	0.00
4) 1,4-Dichlorobenzene (IS)	10.94	TIC	112772m	25.00	ppb	0.00
System Monitoring Compounds						
Target Compounds						Qvalue
2) Gasoline C6-C10	7.95	TIC	4459802m	336.84	ppb	100

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

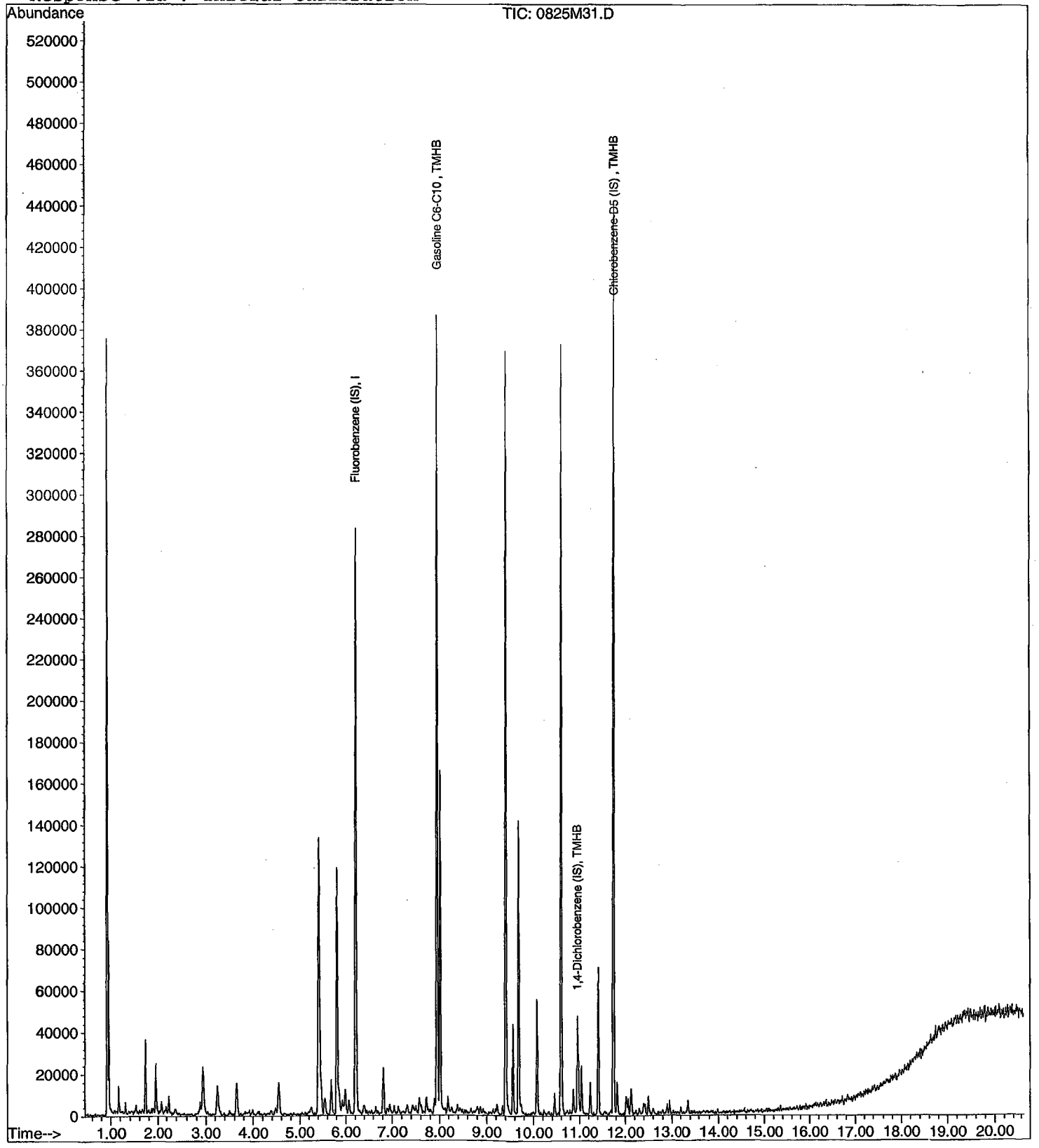
Quantitation Report

Data File : M:\MAX\DATA\210825\0825M31.D
Acq On : 26 Aug 21 00:06
Sample : (SS) 300ug/L GAS STD 8/25/21
Misc : IS&S 6/4/21

Vial: 21
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Sep 1 8:52 2021 Quant Results File: MGAS0825.RES

Method : M:\MAX\DATA\210825\MGAS0825.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 16:19:36 2021
Response via : Initial Calibration



VOLATILE ORGANIC ANALYSIS BY
EPA METHOD 8260B

Form 6
Initial Calibration

Lab Name: APPL, Inc. SDG No:
Case No: Initial Cal. Date: 8/25/2021
Matrix: Instrument: Max Initials:

			0825M12.D	0825M13.D	0825M14.D	0825M15.D	0825M16.D	0825M17.D	0825M18.D	0825M19.D	0825M20.D							
		Compound	1	2	3	4	5	6	7	8	9		Avg	%RSD	Type	r^2	Q	MRF
1	I	Fluorobenzene (IS)																
2	S	Dibromofluoromethane(S)	0.3523	0.3417	0.2807	0.2859	0.2870	0.2956	0.2984	0.3009	0.2709		0.30	9.1	S			
3	S	1,2-DCA-D4(S)	0.2194	0.2154	0.1883	0.1930	0.1953	0.1908	0.1985	0.2034	0.1791		0.20	6.5	S			
4	I	Chlorobenzene-D5 (IS)																
5	S	Toluene-D8(S)	1.390	1.326	1.153	1.099	1.153	1.163	1.121	1.122	1.024		1.2	9.8	S			
6	S	4-Bromofluorobenzene(S)	0.5362	0.5171	0.4075	0.4294	0.4615	0.4643	0.4388	0.4514	0.4103		0.46	9.7	S			
7	I	1,4-Dichlorobenzene-D (IS)																
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9																		
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Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\210825\0825M12.D Vial: 2
Acq On : 25 Aug 21 15:15 Operator: LP,DG,CH
Sample : 0.3ug/L VOC STD 8/25/21 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Aug 26 16:25 2021 Quant Results File: M0825SUR.RES

Quant Method : M:\MAX\DATA\210825\M0825SUR.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 11:16:48 2021
Response via : Initial Calibration
DataAcq Meth : M8260_081021

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	6.21	96	268418	25.00 ppb	0.00
4) Chlorobenzene-D5 (IS)	9.41	117	221472	25.00 ppb	0.00
7) 1,4-Dichlorobenzene-D (IS)	11.75	152	137587	25.00 ppb	0.00
System Monitoring Compounds					
2) Dibromofluoromethane(S)	5.41	111	18913	5.84 ppb	0.00
Spiked Amount 25.000			Recovery =	23.372%	
3) 1,2-DCA-D4(S)	5.81	65	11779	5.54 ppb	0.00
Spiked Amount 25.000			Recovery =	22.148%	
5) Toluene-D8(S)	7.95	98	61590	5.93 ppb	0.00
Spiked Amount 25.000			Recovery =	23.720%	
6) 4-Bromofluorobenzene(S)	10.60	95	23749	5.86 ppb	0.00
Spiked Amount 25.000			Recovery =	23.444%	

Target Compounds Qvalue

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

Quantitation Report

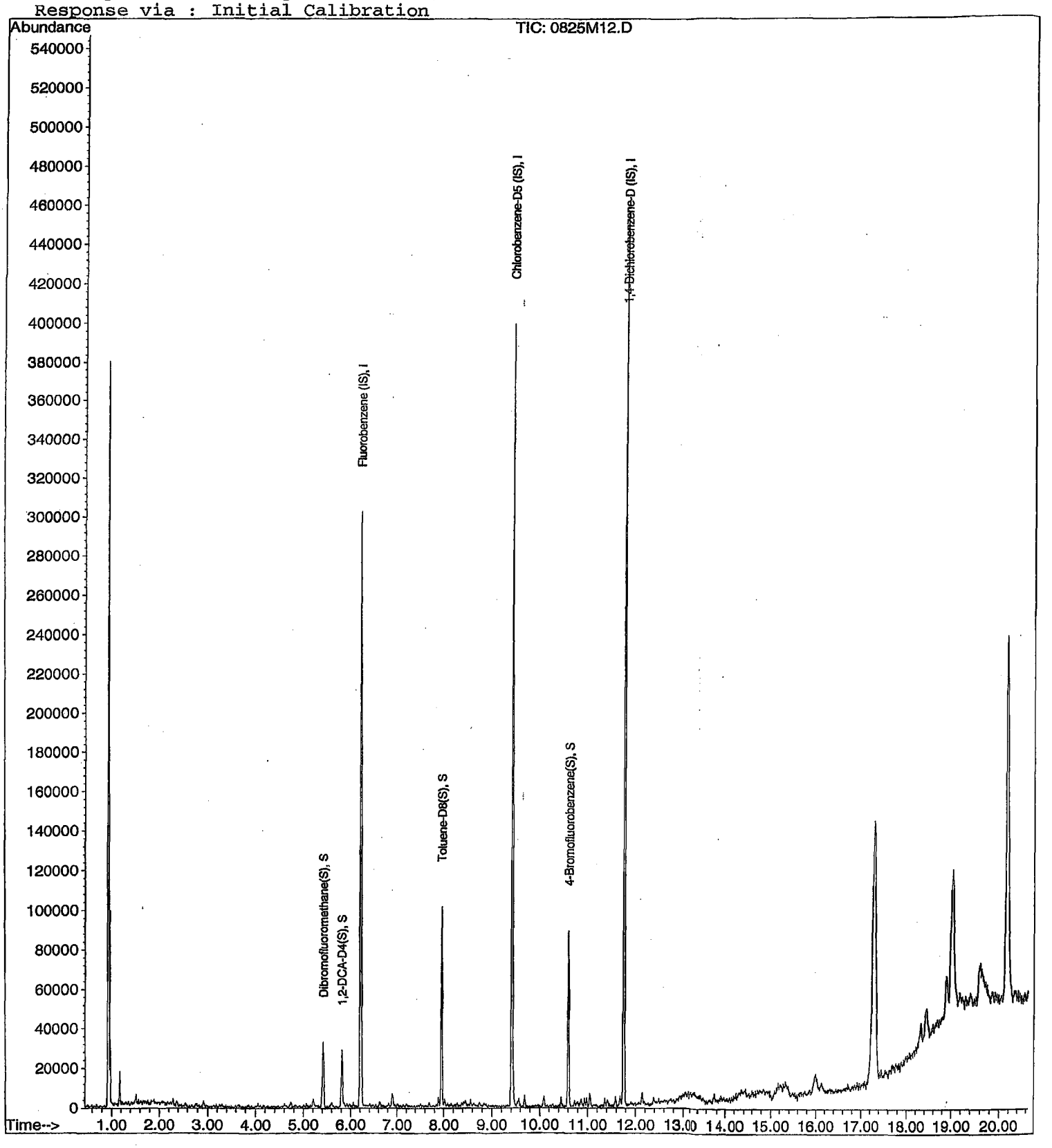
Data File : M:\MAX\DATA\210825\0825M12.D
Acq On : 25 Aug 21 15:15
Sample : 0.3ug/L VOC STD 8/25/21
Misc : IS&S 6/4/21

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

Quant Time: Aug 26 16:25 2021

Quant Results File: M0825SUR.RES

Method : M:\MAX\DATA\210825\M0825SUR.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 11:16:48 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\210825\0825M13.D Vial: 3
Acq On : 25 Aug 21 15:43 Operator: LP,DG,CH
Sample : 0.5ug/L VOC STD 8/25/21 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Aug 26 16:25 2021 Quant Results File: M0825SUR.RES

Quant Method : M:\MAX\DATA\210825\M0825SUR.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 11:16:48 2021
Response via : Initial Calibration
DataAcq Meth : M8260_081021

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	6.21	96	270425	25.00 ppb	0.00
4) Chlorobenzene-D5 (IS)	9.41	117	226950	25.00 ppb	0.00
7) 1,4-Dichlorobenzene-D (IS)	11.75	152	138629	25.00 ppb	0.00
System Monitoring Compounds					
2) Dibromofluoromethane(S)	5.42	111	18480	5.67 ppb	0.00
Spiked Amount 25.000			Recovery =	22.664%	
3) 1,2-DCA-D4(S)	5.81	65	11650	5.44 ppb	0.00
Spiked Amount 25.000			Recovery =	21.744%	
5) Toluene-D8(S)	7.95	98	60175	5.65 ppb	0.00
Spiked Amount 25.000			Recovery =	22.616%	
6) 4-Bromofluorobenzene(S)	10.60	95	23472	5.65 ppb	0.00
Spiked Amount 25.000			Recovery =	22.612%	

Target Compounds Qvalue

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

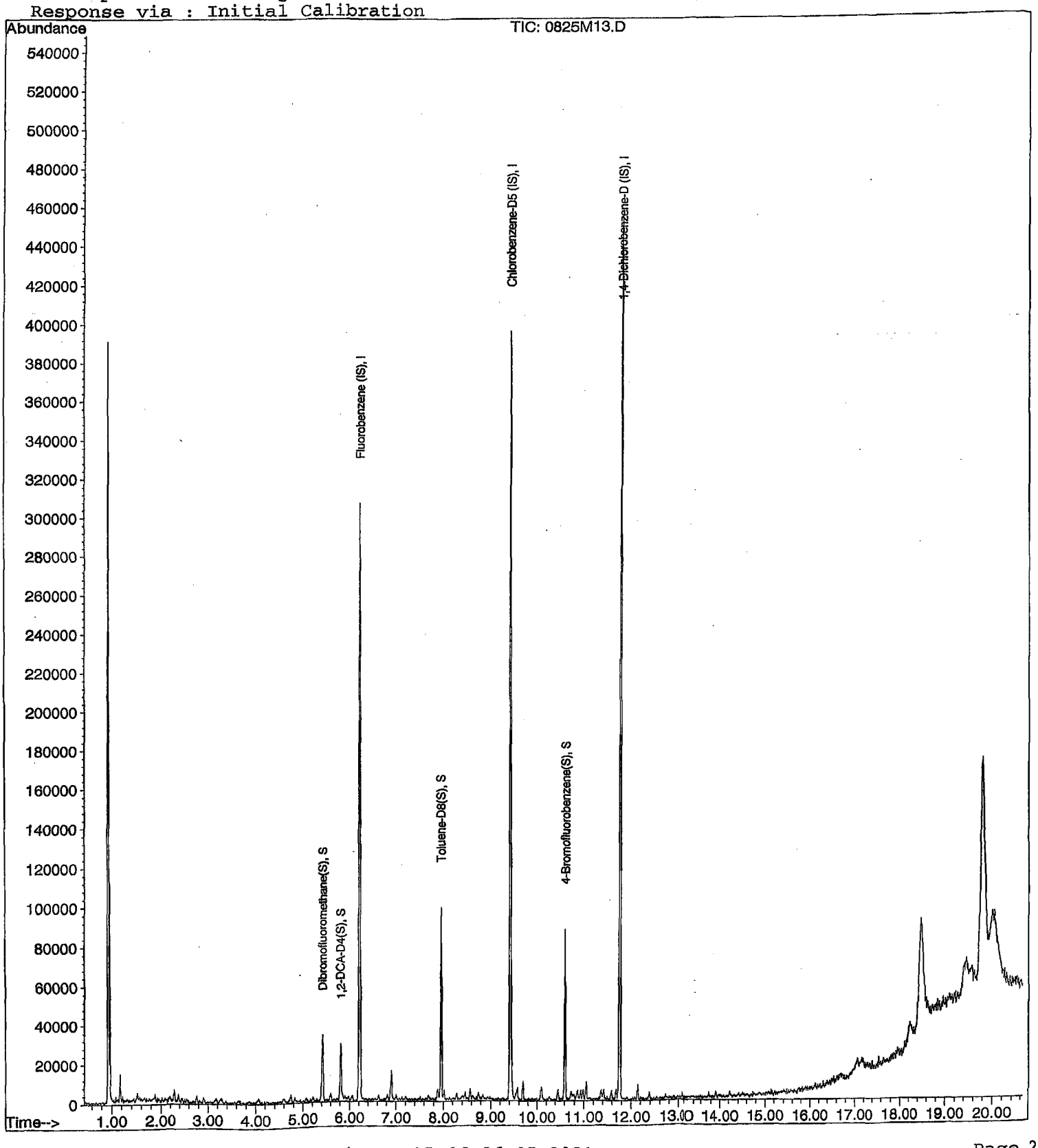
Quantitation Report

Data File : M:\MAX\DATA\210825\0825M13.D
Acq On : 25 Aug 21 15:43
Sample : 0.5ug/L VOC STD 8/25/21
Misc : IS&S 6/4/21

Vial: 3
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Aug 26 16:25 2021 Quant Results File: M0825SUR.RES

Method : M:\MAX\DATA\210825\M0825SUR.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 11:16:48 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\210825\0825M14.D Vial: 4
Acq On : 25 Aug 21 16:11 Operator: LP,DG,CH
Sample : 1ug/L VOC STD 8/25/21 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Aug 26 16:25 2021 Quant Results File: M0825SUR.RES

Quant Method : M:\MAX\DATA\210825\M0825SUR.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 11:16:48 2021
Response via : Initial Calibration
DataAcq Meth : M8260_081021

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	6.22	96	261019	25.00 ppb	0.00
4) Chlorobenzene-D5 (IS)	9.41	117	222702	25.00 ppb	0.00
7) 1,4-Dichlorobenzene-D (IS)	11.75	152	137225	25.00 ppb	0.00
System Monitoring Compounds					
2) Dibromofluoromethane(S)	5.41	111	29305	9.31 ppb	0.00
Spiked Amount 25.000			Recovery =	37.236%	
3) 1,2-DCA-D4(S)	5.81	65	19664	9.51 ppb	0.00
Spiked Amount 25.000			Recovery =	38.024%	
5) Toluene-D8(S)	7.95	98	102711	9.84 ppb	0.00
Spiked Amount 25.000			Recovery =	39.340%	
6) 4-Bromofluorobenzene(S)	10.60	95	36297	8.91 ppb	0.00
Spiked Amount 25.000			Recovery =	35.632%	

Target Compounds Qvalue

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

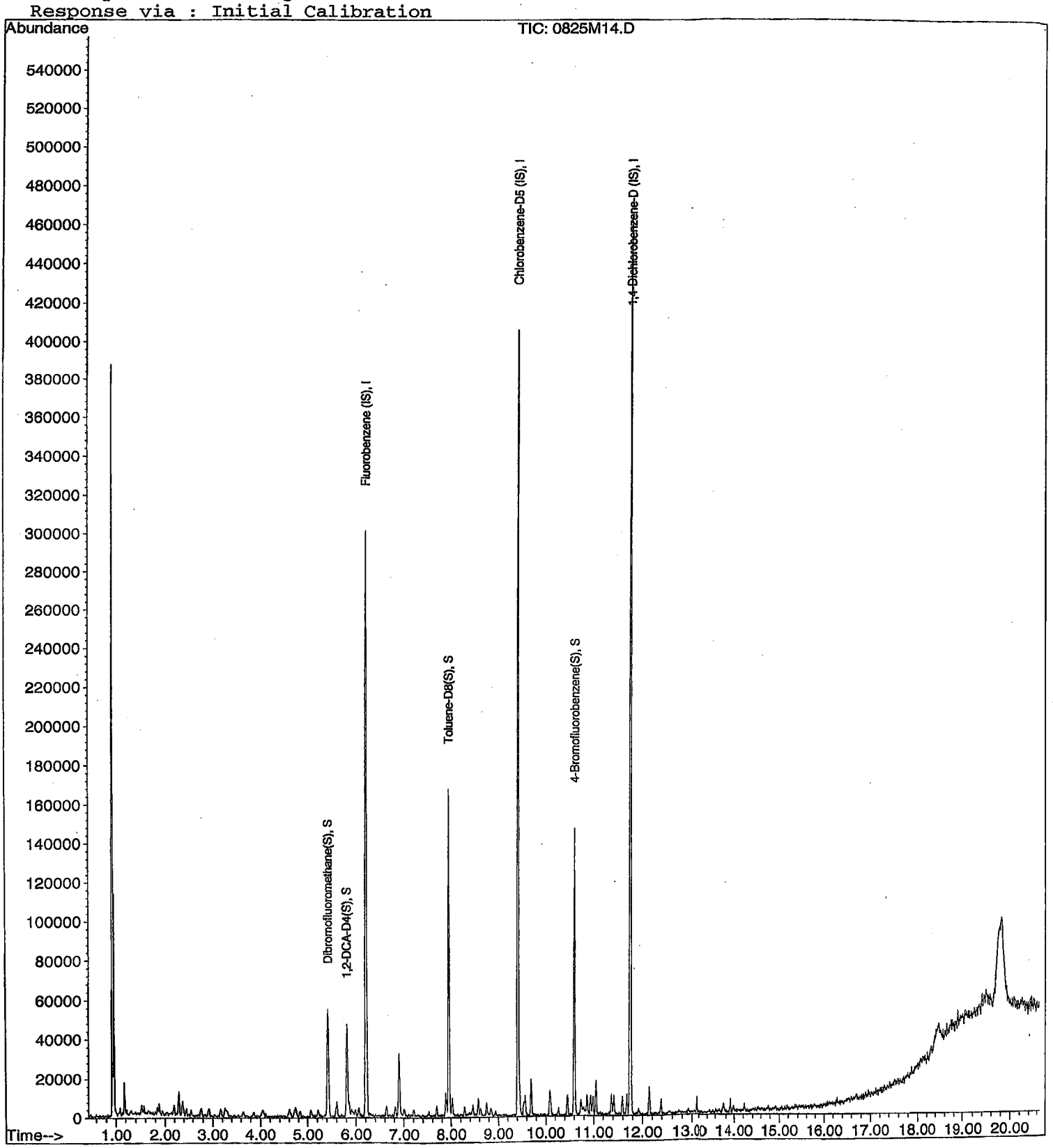
Quantitation Report

Data File : M:\MAX\DATA\210825\0825M14.D
Acq On : 25 Aug 21 16:11
Sample : 1ug/L VOC STD 8/25/21
Misc : IS&S 6/4/21

Vial: 4
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Aug 26 16:25 2021 Quant Results File: M0825SUR.RES

Method : M:\MAX\DATA\210825\M0825SUR.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 11:16:48 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\210825\0825M15.D Vial: 5
Acq On : 25 Aug 21 16:39 Operator: LP,DG,CH
Sample : 2ug/L VOC STD 8/25/21 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Aug 26 16:25 2021 Quant Results File: M0825SUR.RES

Quant Method : M:\MAX\DATA\210825\M0825SUR.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 11:16:48 2021
Response via : Initial Calibration
DataAcq Meth : M8260_081021

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.21	96	260699	25.00	ppb	0.00
4) Chlorobenzene-D5 (IS)	9.42	117	218570	25.00	ppb	0.00
7) 1,4-Dichlorobenzene-D (IS)	11.75	152	137104	25.00	ppb	0.00
System Monitoring Compounds						
2) Dibromofluoromethane(S)	5.41	111	29818	9.48	ppb	0.00
Spiked Amount 25.000			Recovery = 37.936%			
3) 1,2-DCA-D4(S)	5.82	65	20128	9.74	ppb	0.00
Spiked Amount 25.000			Recovery = 38.968%			
5) Toluene-D8(S)	7.95	98	96059	9.37	ppb	0.00
Spiked Amount 25.000			Recovery = 37.488%			
6) 4-Bromofluorobenzene(S)	10.60	95	37545	9.39	ppb	0.00
Spiked Amount 25.000			Recovery = 37.556%			

Target Compounds Qvalue

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

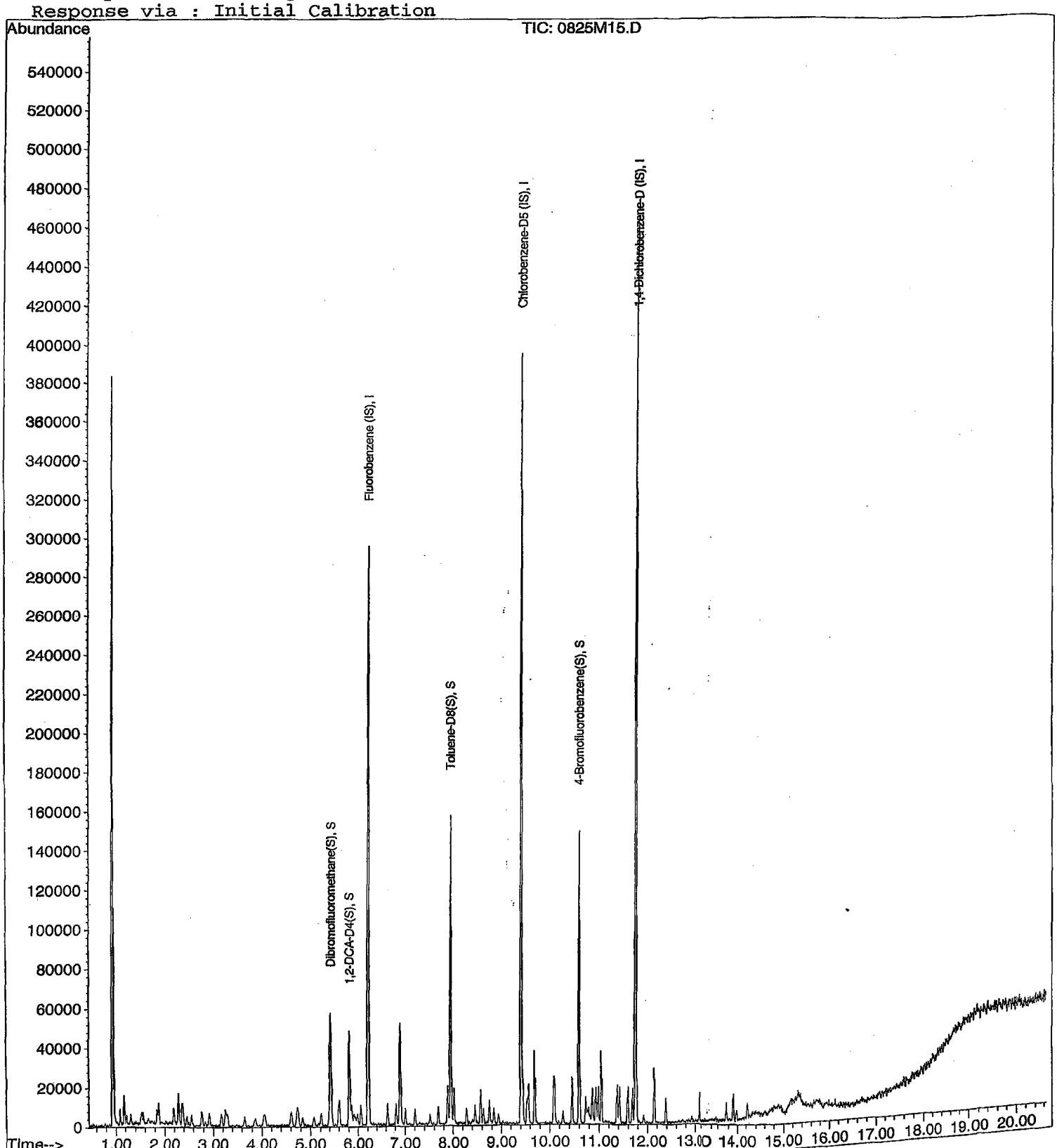
Quantitation Report

Data File : M:\MAX\DATA\210825\0825M15.D
Acq On : 25 Aug 21 16:39
Sample : 2ug/L VOC STD 8/25/21
Misc : IS&S 6/4/21

Vial: 5
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Aug 26 16:25 2021 Quant Results File: M0825SUR.RES

Method : M:\MAX\DATA\210825\M0825SUR.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 11:16:48 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\210825\0825M16.D Vial: 6
Acq On : 25 Aug 21 17:07 Operator: LP,DG,CH
Sample : 5ug/L VOC STD 8/25/21 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Aug 26 16:25 2021 Quant Results File: M0825SUR.RES

Quant Method : M:\MAX\DATA\210825\M0825SUR.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 11:16:48 2021
Response via : Initial Calibration
DataAcq Meth : M8260_081021

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.21	96	261599	25.00	ppb	0.00
4) Chlorobenzene-D5 (IS)	9.41	117	219379	25.00	ppb	0.00
7) 1,4-Dichlorobenzene-D (IS)	11.75	152	136215	25.00	ppb	0.00
System Monitoring Compounds						
2) Dibromofluoromethane(S)	5.41	111	75090	23.80	ppb	0.00
Spiked Amount 25.000			Recovery = 95.204%			
3) 1,2-DCA-D4(S)	5.81	65	51096	24.65	ppb	0.00
Spiked Amount 25.000			Recovery = 98.580%			
5) Toluene-D8(S)	7.95	98	252960	24.59	ppb	0.00
Spiked Amount 25.000			Recovery = 98.356%			
6) 4-Bromofluorobenzene(S)	10.60	95	101253	25.23	ppb	0.00
Spiked Amount 25.000			Recovery = 100.908%			

Target Compounds Qvalue

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

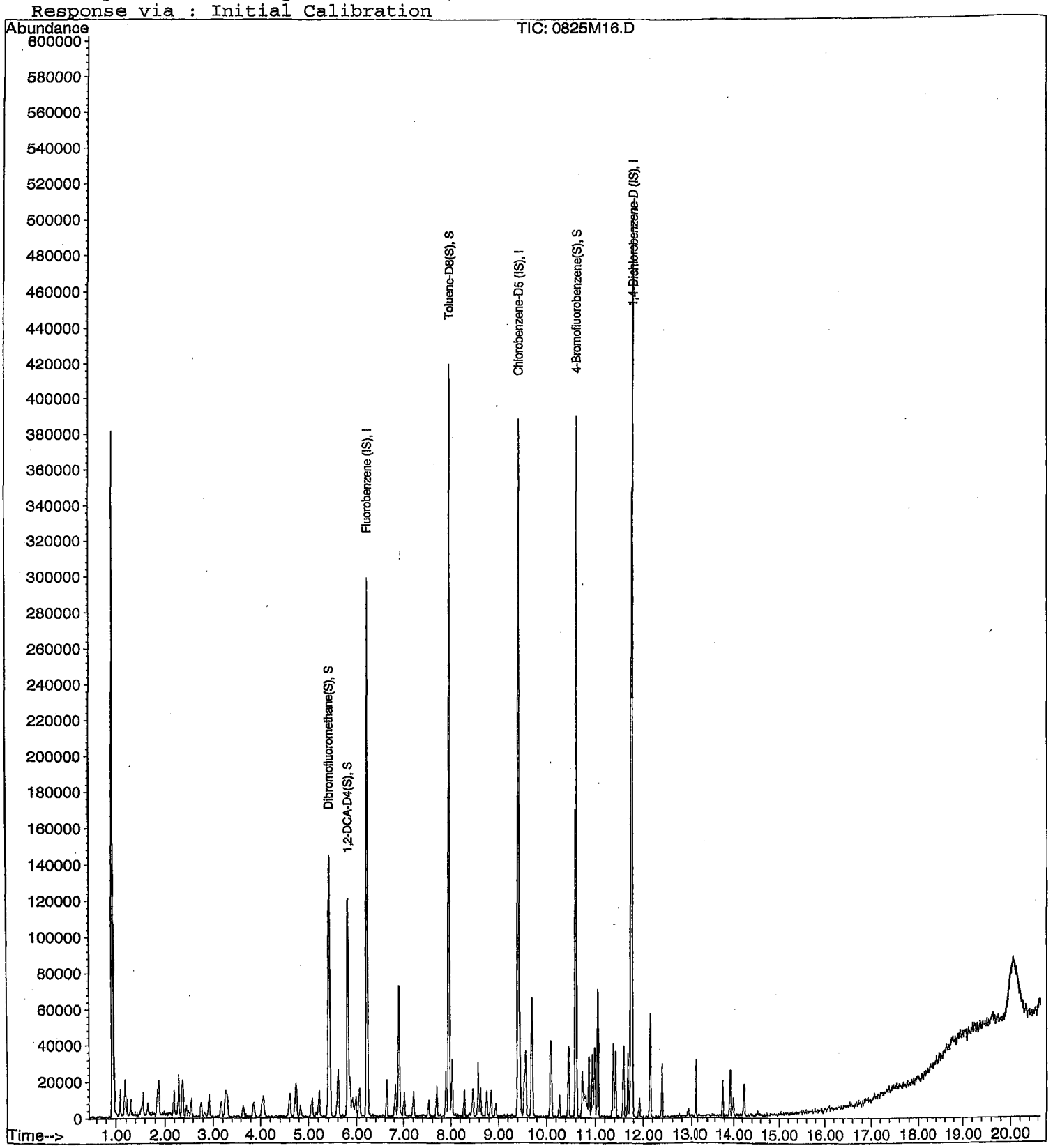
Quantitation Report

Data File : M:\MAX\DATA\210825\0825M16.D
Acq On : 25 Aug 21 17:07
Sample : 5ug/L VOC STD 8/25/21
Misc : IS&S 6/4/21

Vial: 6
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Aug 26 16:25 2021 Quant Results File: M0825SUR.RES

Method : M:\MAX\DATA\210825\M0825SUR.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 11:16:48 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\210825\0825M17.D Vial: 7
Acq On : 25 Aug 21 17:35 Operator: LP,DG,CH
Sample : 10ug/L VOC STD 8/25/21 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Aug 26 16:25 2021 Quant Results File: M0825SUR.RES

Quant Method : M:\MAX\DATA\210825\M0825SUR.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 11:16:48 2021
Response via : Initial Calibration
DataAcq Meth : M8260_081021

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.21	96	260876	25.00	ppb	0.00
4) Chlorobenzene-D5 (IS)	9.41	117	215380	25.00	ppb	0.00
7) 1,4-Dichlorobenzene-D (IS)	11.75	152	136295	25.00	ppb	0.00
System Monitoring Compounds						
2) Dibromofluoromethane(S)	5.42	111	77116	24.51	ppb	0.00
Spiked Amount 25.000			Recovery =	98.044%		
3) 1,2-DCA-D4(S)	5.82	65	49768	24.07	ppb	0.00
Spiked Amount 25.000			Recovery =	96.284%		
5) Toluene-D8(S)	7.95	98	250522	24.80	ppb	0.00
Spiked Amount 25.000			Recovery =	99.216%		
6) 4-Bromofluorobenzene(S)	10.60	95	100010	25.38	ppb	0.00
Spiked Amount 25.000			Recovery =	101.520%		

Target Compounds Qvalue

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

Quantitation Report

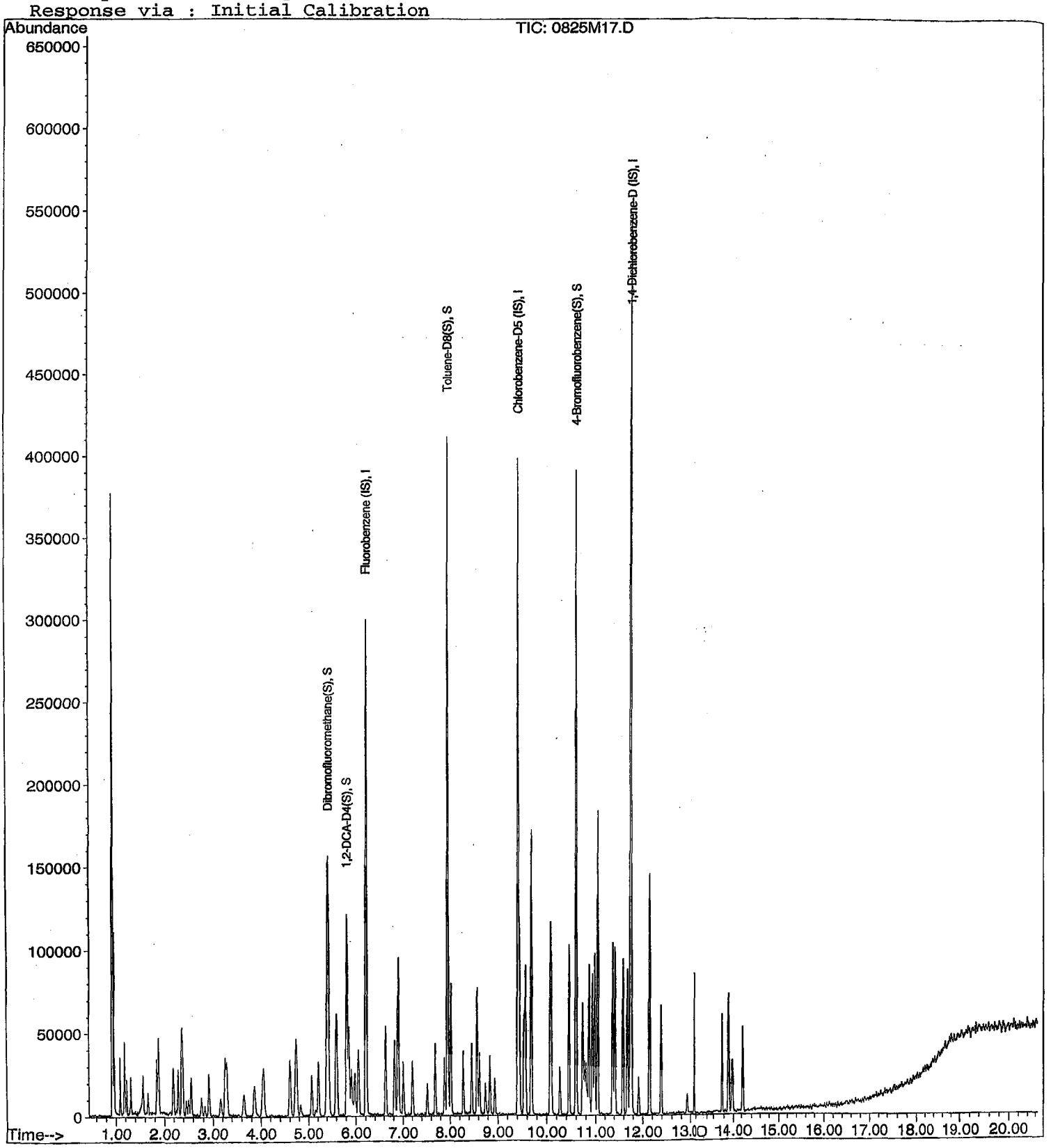
Data File : M:\MAX\DATA\210825\0825M17.D
Acq On : 25 Aug 21 17:35
Sample : 10ug/L VOC STD 8/25/21
Misc : IS&S 6/4/21

Vial: 7
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Aug 26 16:25 2021

Quant Results File: M0825SUR.RES

Method : M:\MAX\DATA\210825\M0825SUR.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 11:16:48 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\210825\0825M18.D Vial: 8
Acq On : 25 Aug 21 18:03 Operator: LP,DG,CH
Sample : 20ug/L VOC STD 8/25/21 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Aug 26 16:25 2021 Quant Results File: M0825SUR.RES

Quant Method : M:\MAX\DATA\210825\M0825SUR.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 11:16:48 2021
Response via : Initial Calibration
DataAcq Meth : M8260_081021

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	6.21	96	258006	25.00 ppb	0.00
4) Chlorobenzene-D5 (IS)	9.41	117	222674	25.00 ppb	0.00
7) 1,4-Dichlorobenzene-D (IS)	11.75	152	141752	25.00 ppb	0.00
System Monitoring Compounds					
2) Dibromofluoromethane(S)	5.42	111	153975	49.49 ppb	0.00
Spiked Amount 25.000			Recovery = 197.940%		
3) 1,2-DCA-D4(S)	5.81	65	102408	50.08 ppb	0.00
Spiked Amount 25.000			Recovery = 200.332%		
5) Toluene-D8(S)	7.95	98	499120	47.80 ppb	0.00
Spiked Amount 25.000			Recovery = 191.196%		
6) 4-Bromofluorobenzene(S)	10.60	95	195414	47.97 ppb	0.00
Spiked Amount 25.000			Recovery = 191.868%		

Target Compounds Qvalue

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

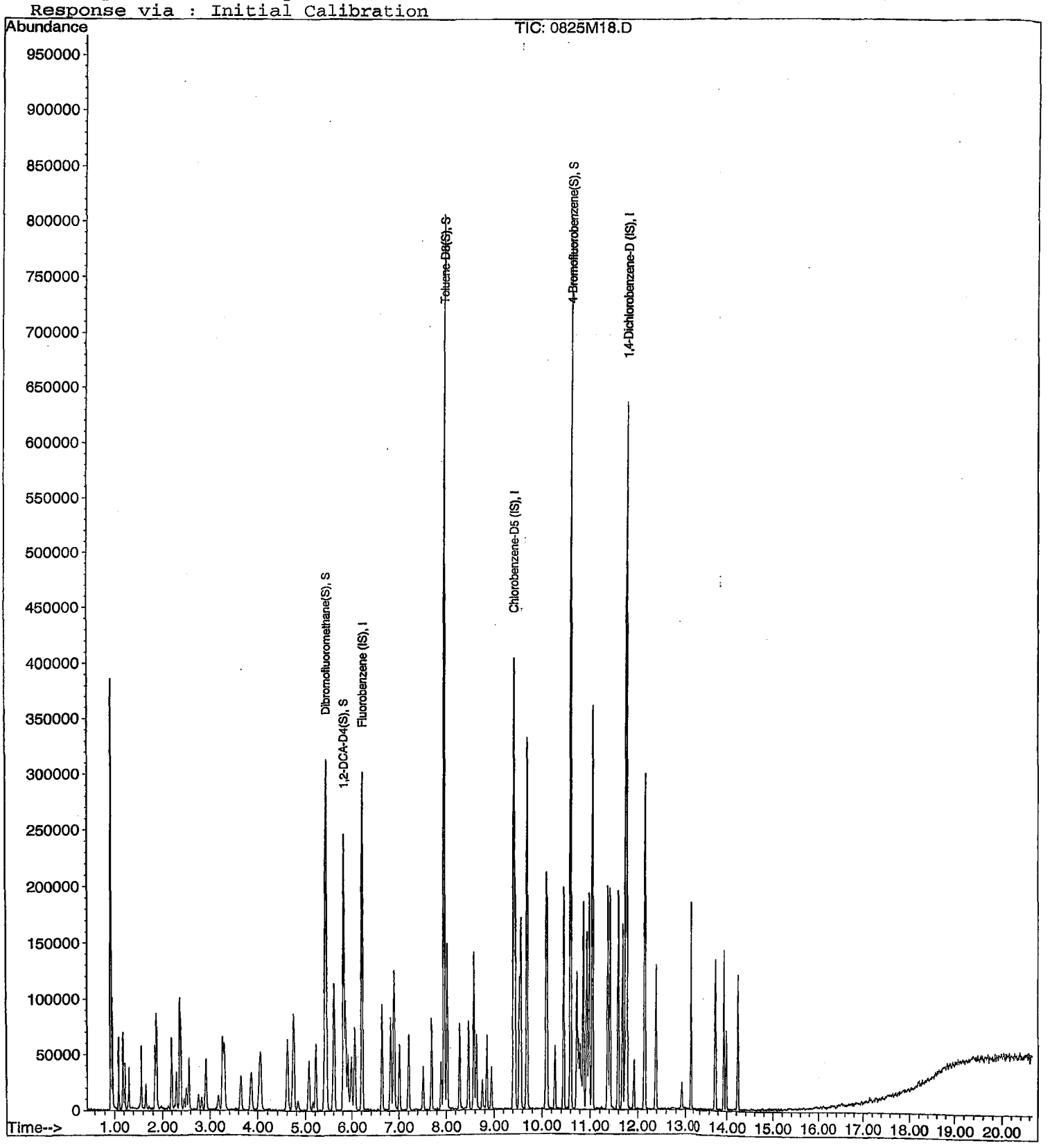
Quantitation Report

Data File : M:\MAX\DATA\210825\0825M18.D
Acq On : 25 Aug 21 18:03
Sample : 20ug/L VOC STD 8/25/21
Misc : IS&S 6/4/21

Vial: 8
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Aug 26 16:25 2021 Quant Results File: M0825SUR.RES

Method : M:\MAX\DATA\210825\M0825SUR.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 11:16:48 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\210825\0825M19.D Vial: 9
Acq On : 25 Aug 21 18:31 Operator: LP,DG,CH
Sample : 40ug/L VOC STD 8/25/21 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Aug 26 16:25 2021 Quant Results File: M0825SUR.RES

Quant Method : M:\MAX\DATA\210825\M0825SUR.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 11:16:48 2021
Response via : Initial Calibration
DataAcq Meth : M8260_081021

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	6.21	96	251853	25.00 ppb	0.00
4) Chlorobenzene-D5 (IS)	9.41	117	216925	25.00 ppb	0.00
7) 1,4-Dichlorobenzene-D (IS)	11.75	152	140689	25.00 ppb	0.00
System Monitoring Compounds					
2) Dibromofluoromethane(S)	5.41	111	151584	49.91 ppb	0.00
Spiked Amount 25.000			Recovery =	199.628%	
3) 1,2-DCA-D4(S)	5.81	65	102456	51.33 ppb	0.00
Spiked Amount 25.000			Recovery =	205.320%	
5) Toluene-D8(S)	7.95	98	486936	47.87 ppb	0.00
Spiked Amount 25.000			Recovery =	191.472%	
6) 4-Bromofluorobenzene(S)	10.60	95	195822	49.34 ppb	0.00
Spiked Amount 25.000			Recovery =	197.364%	

Target Compounds Qvalue

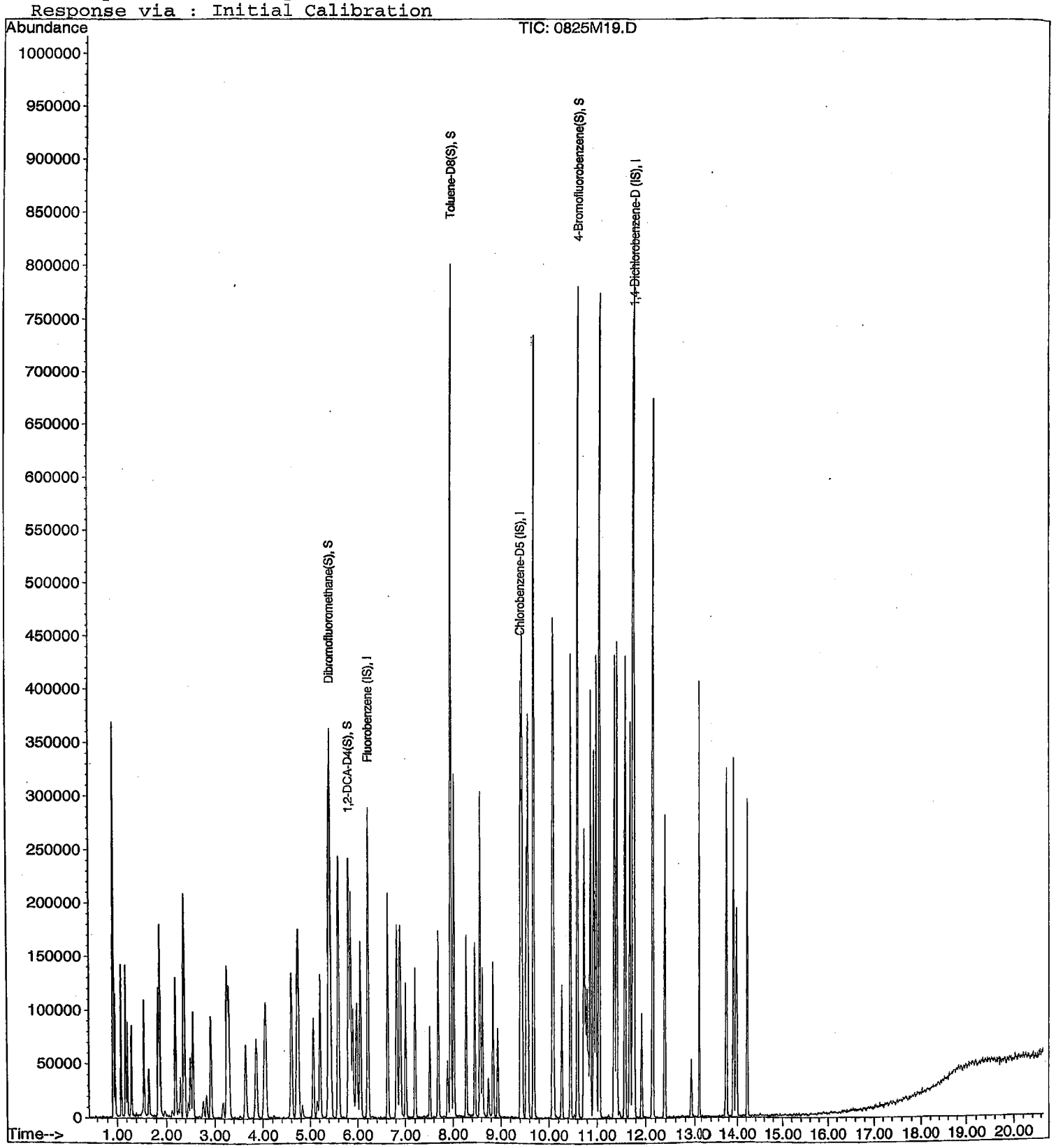
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\MAX\DATA\210825\0825M19.D Vial: 9
Acq On : 25 Aug 21 18:31 Operator: LP,DG,CH
Sample : 40ug/L VOC STD 8/25/21 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Aug 26 16:25 2021 Quant Results File: M0825SUR.RES

Method : M:\MAX\DATA\210825\M0825SUR.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 11:16:48 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\210825\0825M20.D Vial: 10
Acq On : 25 Aug 21 18:59 Operator: LP,DG,CH
Sample : 100ug/L VOC STD 8/25/21 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Aug 26 16:25 2021 Quant Results File: M0825SUR.RES

Quant Method : M:\MAX\DATA\210825\M0825SUR.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 11:16:48 2021
Response via : Initial Calibration
DataAcq Meth : M8260_081021

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.21	96	251268	25.00	ppb	0.00
4) Chlorobenzene-D5 (IS)	9.41	117	218191	25.00	ppb	0.00
7) 1,4-Dichlorobenzene-D (IS)	11.75	152	142788	25.00	ppb	0.00
System Monitoring Compounds						
2) Dibromofluoromethane(S)	5.42	111	272268	89.85	ppb	0.00
Spiked Amount 25.000			Recovery = 359.396%			
3) 1,2-DCA-D4(S)	5.81	65	179968	90.37	ppb	0.00
Spiked Amount 25.000			Recovery = 361.496%			
5) Toluene-D8(S)	7.95	98	893556	87.33	ppb	0.00
Spiked Amount 25.000			Recovery = 349.324%			
6) 4-Bromofluorobenzene(S)	10.60	95	358053	89.70	ppb	0.00
Spiked Amount 25.000			Recovery = 358.780%			

Target Compounds Qvalue

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

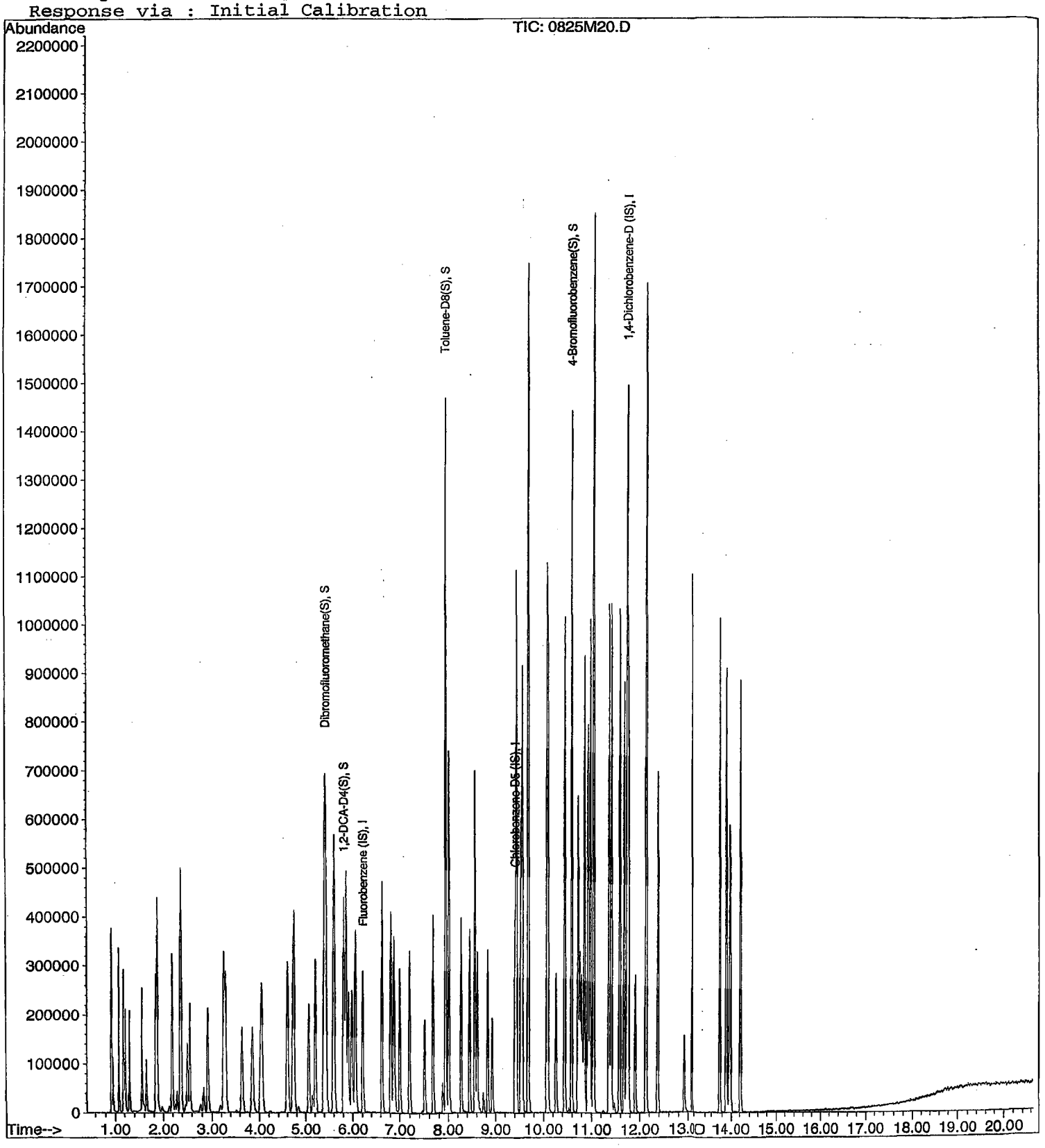
Quantitation Report

Data File : M:\MAX\DATA\210825\0825M20.D
Acq On : 25 Aug 21 18:59
Sample : 100ug/L VOC STD 8/25/21
Misc : IS&S 6/4/21

Vial: 10
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Aug 26 16:25 2021 Quant Results File: M0825SUR.RES

Method : M:\MAX\DATA\210825\M0825SUR.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 11:16:48 2021
Response via : Initial Calibration



VOLATILE ORGANIC ANALYSIS
VOLATILE ORGANIC COMPOUNDS

Form 7

Continuing Calibration

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

SDG No:
Date Analyzed: 10/14/2021
Instrument: Max
Initial Cal. Date: 8/25/2021
Data File: 1014M06.D

		Compound	MEAN	CCRF	%D	%Drift	
1	I	Fluorobenzene (IS)	ISTD			I	
2	TMHB	Gasoline C6-C10	3.704	1.316	64	TMHBL	13
3	TMHB	Chlorobenzene-D5 (IS)	ISTD			TMHB	
4	TMHB	1,4-Dichlorobenzene (IS)	ISTD			TMHB	
5							
6							
7							
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37							
38							
39							
40							
		Average			64.0		

Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\211008\1014M06.D Vial: 6
Acq On : 14 Oct 21 11:53 Operator: LP,DG,CH
Sample : 211014A CCV/LCS 300ug/L Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Nov 11 11:39 2021 Quant Results File: MGAS0825.RE

Quant Method : M:\MAX\DATA\210825\MGAS0825.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 16:19:36 2021
Response via : Initial Calibration
DataAcq Meth : M8260

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	6.33	TIC	436359	25.00 ppb	0.12
3) Chlorobenzene-D5 (IS)	11.75	TIC	452910m	25.00 ppb	0.00
4) 1,4-Dichlorobenzene (IS)	10.94	TIC	157228m	25.00 ppb	0.00
System Monitoring Compounds					
Target Compounds					Qvalue
2) Gasoline C6-C10	9.49	TIC	6890923m	340.21 ppb	100

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

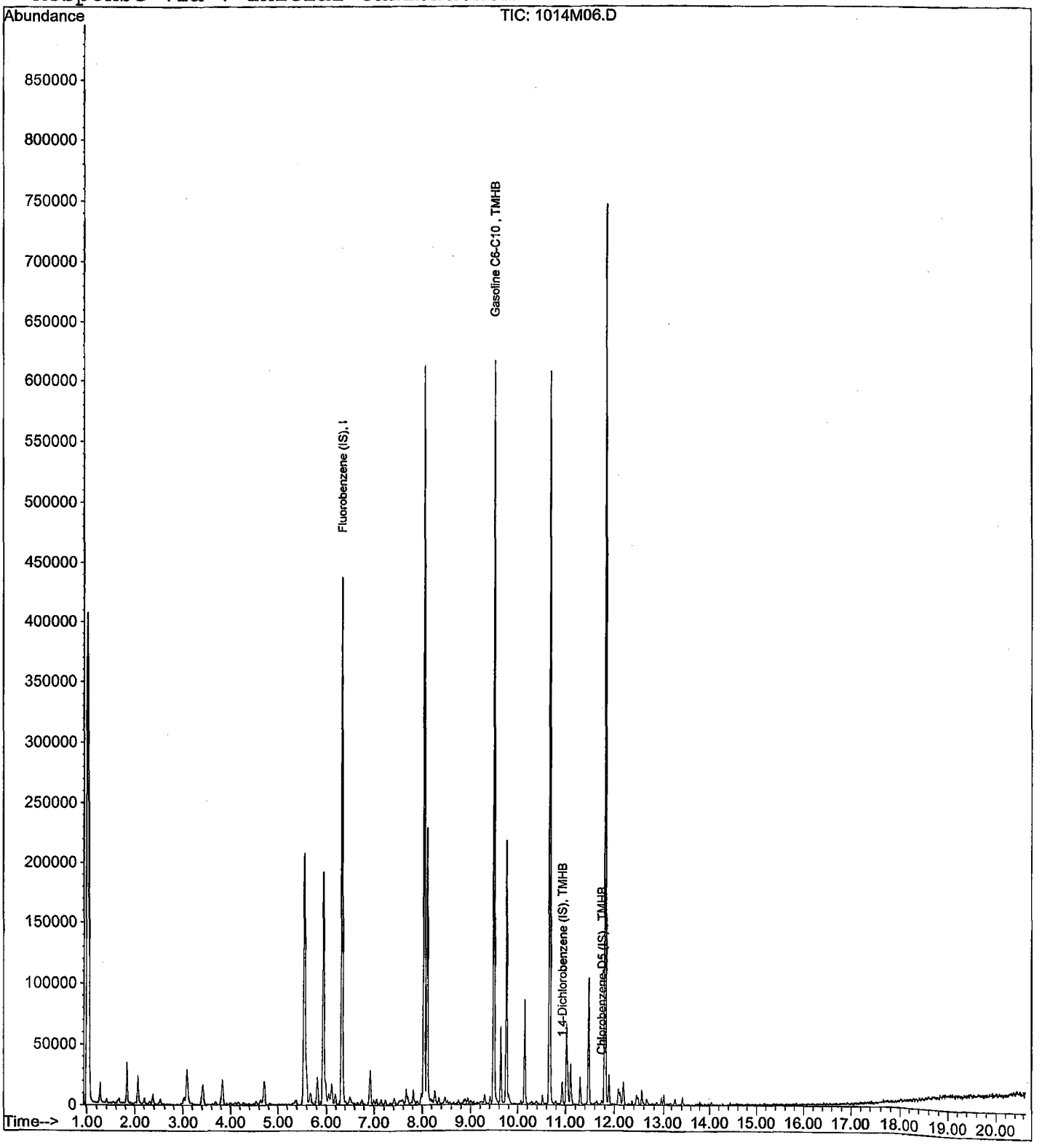
Quantitation Report

Data File : M:\MAX\DATA\211008\1014M06.D
Acq On : 14 Oct 21 11:53
Sample : 211014A CCV/LCS 300ug/L
Misc : IS&S 8/4/21

Vial: 6
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Nov 11 11:39 2021 Quant Results File: MGAS0825.RE

Method : M:\MAX\DATA\210825\MGAS0825.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 16:19:36 2021
Response via : Initial Calibration



VOLATILE ORGANIC ANALYSIS BY
EPA METHOD 8260B

Form 7

Continuing Calibration

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

SDG No:
Date Analyzed: 10/14/2021
Instrument: Max
Initial Cal. Date: 8/25/2021
Data File: 1014M06.D

		Compound	MEAN	CCRF	%D	%Drift	
1	I	Fluorobenzene (IS)	ISTD			I	
2	S	Dibromofluoromethane(S)	0.3015	0.3185	5.7	S	
3	S	1,2-DCA-D4(S)	0.1981	0.2180	10	S	
4	I	Chlorobenzene-D5 (IS)	ISTD			I	
5	S	Toluene-D8(S)	1.172	1.130	3.6	S	
6	S	4-Bromofluorobenzene(S)	0.4574	0.4689	2.5	S	
7	I	1,4-Dichlorobenzene-D (IS)	ISTD			I	
8							
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40							
		Average			5.5		

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211008\1014M06.D Vial: 6
Acq On : 14 Oct 21 11:53 Operator: LP,DG,CH
Sample : 211014A CCV/LCS 300ug/L Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 29 15:11 2021 Quant Results File: M0825SUR.RE

Quant Method : M:\MAX\DATA\210825\M0825SUR.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 11:16:48 2021
Response via : Initial Calibration
DataAcq Meth : M8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.33	96	369956	25.00	ppb	0.12
4) Chlorobenzene-D5 (IS)	9.49	117	330843	25.00	ppb	0.08
7) 1,4-Dichlorobenzene-D (IS)	11.82	152	216394	25.00	ppb	0.07
System Monitoring Compounds						
2) Dibromofluoromethane(S)	5.55	111	117849	26.41	ppb	0.13
Spiked Amount 25.000			Recovery =	105.656%		
3) 1,2-DCA-D4(S)	5.94	65	80656	27.51	ppb	0.12
Spiked Amount 25.000			Recovery =	110.036%		
5) Toluene-D8(S)	8.04	98	373804	24.09	ppb	0.09
Spiked Amount 25.000			Recovery =	96.376%		
6) 4-Bromofluorobenzene(S)	10.67	95	155140	25.63	ppb	0.07
Spiked Amount 25.000			Recovery =	102.524%		

Target Compounds Qvalue

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

VOLATILE ORGANIC ANALYSIS
VOLATILE ORGANIC COMPOUNDS

Form 7

Ending Continuing Calibration

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

SDG No:
Date Analyzed: 10/14/2021
Instrument: Max
Initial Cal. Date: 8/25/2021
Data File: 1014M27.D

		Compound	MEAN	CCRF	%D	%Drift	
1	I	Fluorobenzene (IS)	ISTD			I	
2	TMHB	Gasoline C6-C10	3.704	1.250	66	TMHBL	4.4
3	TMHB	Chlorobenzene-D5 (IS)	ISTD			TMHB	
4	TMHB	1,4-Dichlorobenzene (IS)	ISTD			TMHB	
5							
6							
7							
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38							
39							
40							
		Average			66.0		

Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\211008\1014M27.D Vial: 27
Acq On : 14 Oct 21 21:49 Operator: LP,DG,CH
Sample : Ending CCV 300ug/L 10/14/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Nov 11 16:17 2021 Quant Results File: MGAS0825.RE

Quant Method : M:\MAX\DATA\210825\MGAS0825.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 16:19:36 2021
Response via : Initial Calibration
DataAcq Meth : M8260

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	6.33	TIC	433708	25.00 ppb	0.12
3) Chlorobenzene-D5 (IS)	11.75	TIC	457927m	25.00 ppb	0.00
4) 1,4-Dichlorobenzene (IS)	10.94	TIC	144777m	25.00 ppb	0.00
System Monitoring Compounds					
Target Compounds					Qvalue
2) Gasoline C6-C10	10.67	TIC	6504246m	286.74 ppb	100

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

Quantitation Report

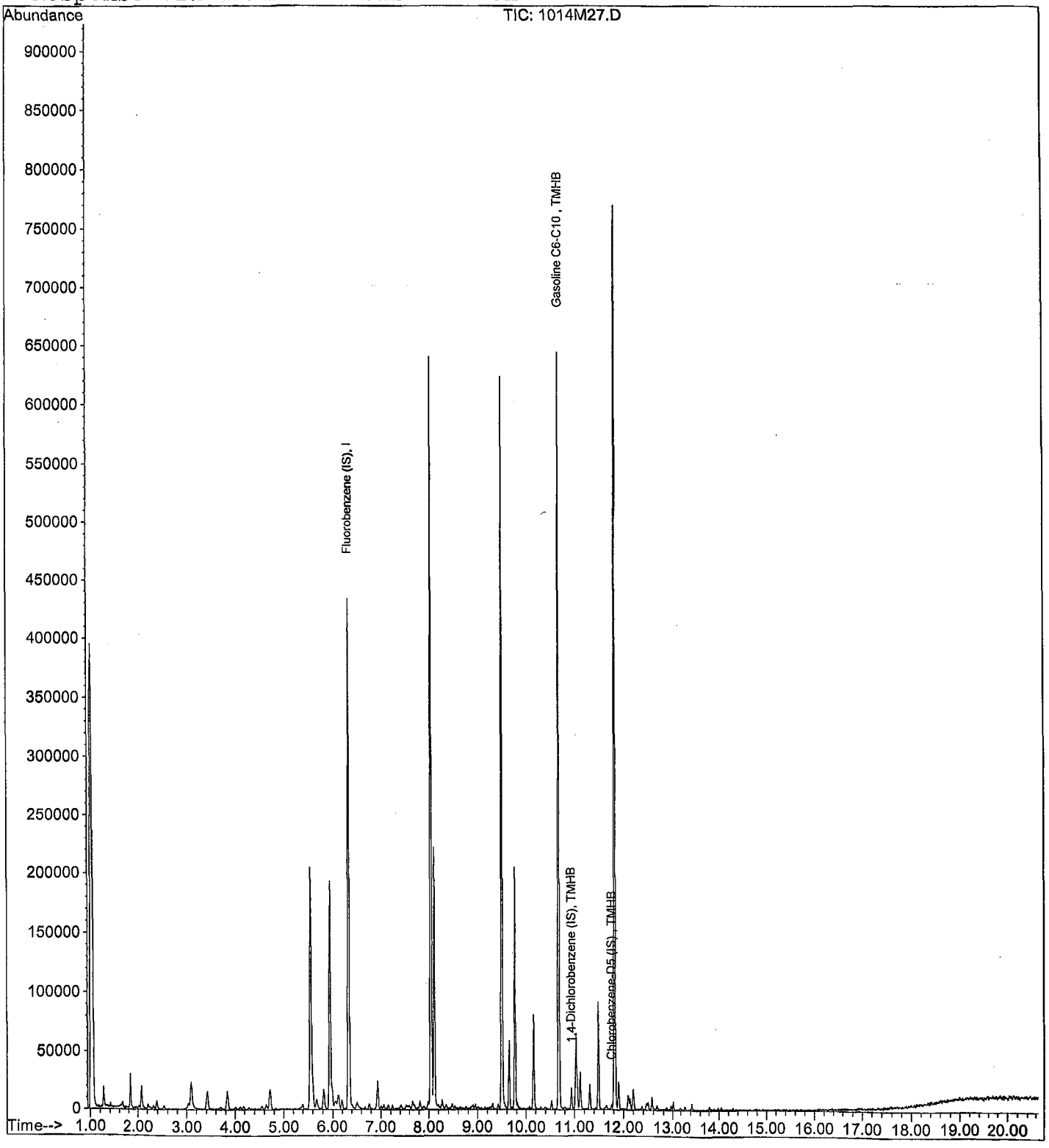
Data File : M:\MAX\DATA\211008\1014M27.D
Acq On : 14 Oct 21 21:49
Sample : Ending CCV 300ug/L 10/14/21
Misc : IS&S 8/4/21

Vial: 27
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Nov 11 16:17 2021

Quant Results File: MGAS0825.RE

Method : M:\MAX\DATA\210825\MGAS0825.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 16:19:36 2021
Response via : Initial Calibration



VOLATILE ORGANIC ANALYSIS BY
EPA METHOD 8260B

Form 7

Ending Continuing Calibration

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

SDG No:
Date Analyzed: 10/14/2021
Instrument: Max
Initial Cal. Date: 8/25/2021
Data File: 1014M27.D

		Compound	MEAN	CCRF	%D		%Drift
1	I	Fluorobenzene (IS)	ISTD			I	
2	S	Dibromofluoromethane(S)	0.3015	0.3137	4.0	S	
3	S	1,2-DCA-D4(S)	0.1981	0.2187	10	S	
4	I	Chlorobenzene-D5 (IS)	ISTD			I	
5	S	Toluene-D8(S)	1.172	1.154	1.6	S	
6	S	4-Bromofluorobenzene(S)	0.4574	0.4711	3.0	S	
7	I	1,4-Dichlorobenzene-D (IS)	ISTD			I	
8							
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36							
37							
38							
39							
40							
		Average			4.7		

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211008\1014M27.D Vial: 27
Acq On : 14 Oct 21 21:49 Operator: LP,DG,CH
Sample : Ending CCV 300ug/L 10/14/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Nov 11 13:54 2021 Quant Results File: M0825SUR.RES

Quant Method : M:\MAX\DATA\210825\M0825SUR.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 11:16:48 2021
Response via : Initial Calibration
DataAcq Meth : M8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.33	96	375910	25.00	ppb	0.12
4) Chlorobenzene-D5 (IS)	9.50	117	337566	25.00	ppb	0.08
7) 1,4-Dichlorobenzene-D (IS)	11.82	152	219642	25.00	ppb	0.07
System Monitoring Compounds						
2) Dibromofluoromethane(S)	5.55	111	117906	26.01	ppb	0.14
Spiked Amount 25.000			Recovery =	104.032%		
3) 1,2-DCA-D4(S)	5.94	65	82200	27.59	ppb	0.13
Spiked Amount 25.000			Recovery =	110.364%		
5) Toluene-D8(S)	8.04	98	389446	24.60	ppb	0.10
Spiked Amount 25.000			Recovery =	98.408%		
6) 4-Bromofluorobenzene(S)	10.67	95	159029	25.75	ppb	0.08
Spiked Amount 25.000			Recovery =	103.000%		

Target Compounds Qvalue

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

ORGANICS
Raw Data

Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\211008\1014M13.D Vial: 13
Acq On : 14 Oct 21 15:12 Operator: LP,DG,CH
Sample : BA42228W02 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Nov 11 13:49 2021 Quant Results File: MGAS0825.RES

Quant Method : M:\MAX\DATA\210825\MGAS0825.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 16:19:36 2021
Response via : Initial Calibration
DataAcq Meth : M8260

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	6.33	TIC	419369	25.000 ppb	0.12
3) Chlorobenzene-D5 (IS)	11.75	TIC	430124m	25.000 ppb	0.00
4) 1,4-Dichlorobenzene (IS)	10.94	TIC	11523m	25.000 ppb	0.00
System Monitoring Compounds					
Target Compounds					Qvalue
2) Gasoline C6-C10	8.04	TIC	4587091m	13.739 ppb	100

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

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211008\1014M13.D Vial: 13
Acq On : 14 Oct 21 15:12 Operator: LP,DG,CH
Sample : BA42228W02 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Nov 11 13:54 2021 Quant Results File: M0825SUR.RES

Quant Method : M:\MAX\DATA\210825\M0825SUR.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 11:16:48 2021
Response via : Initial Calibration
DataAcq Meth : M8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.33	96	357629	25.00	ppb	0.12
4) Chlorobenzene-D5 (IS)	9.50	117	328112	25.00	ppb	0.08
7) 1,4-Dichlorobenzene-D (IS)	11.82	152	218125	25.00	ppb	0.07
System Monitoring Compounds						
2) Dibromofluoromethane(S)	5.55	111	114695	26.59	ppb	0.13
Spiked Amount 25.000			Recovery = 106.372%			
3) 1,2-DCA-D4(S)	5.94	65	77832	27.46	ppb	0.12
Spiked Amount 25.000			Recovery = 109.844%			
5) Toluene-D8(S)	8.04	98	373597	24.28	ppb	0.10
Spiked Amount 25.000			Recovery = 97.124%			
6) 4-Bromofluorobenzene(S)	10.67	95	149622	24.92	ppb	0.07
Spiked Amount 25.000			Recovery = 99.700%			

Target Compounds Qvalue

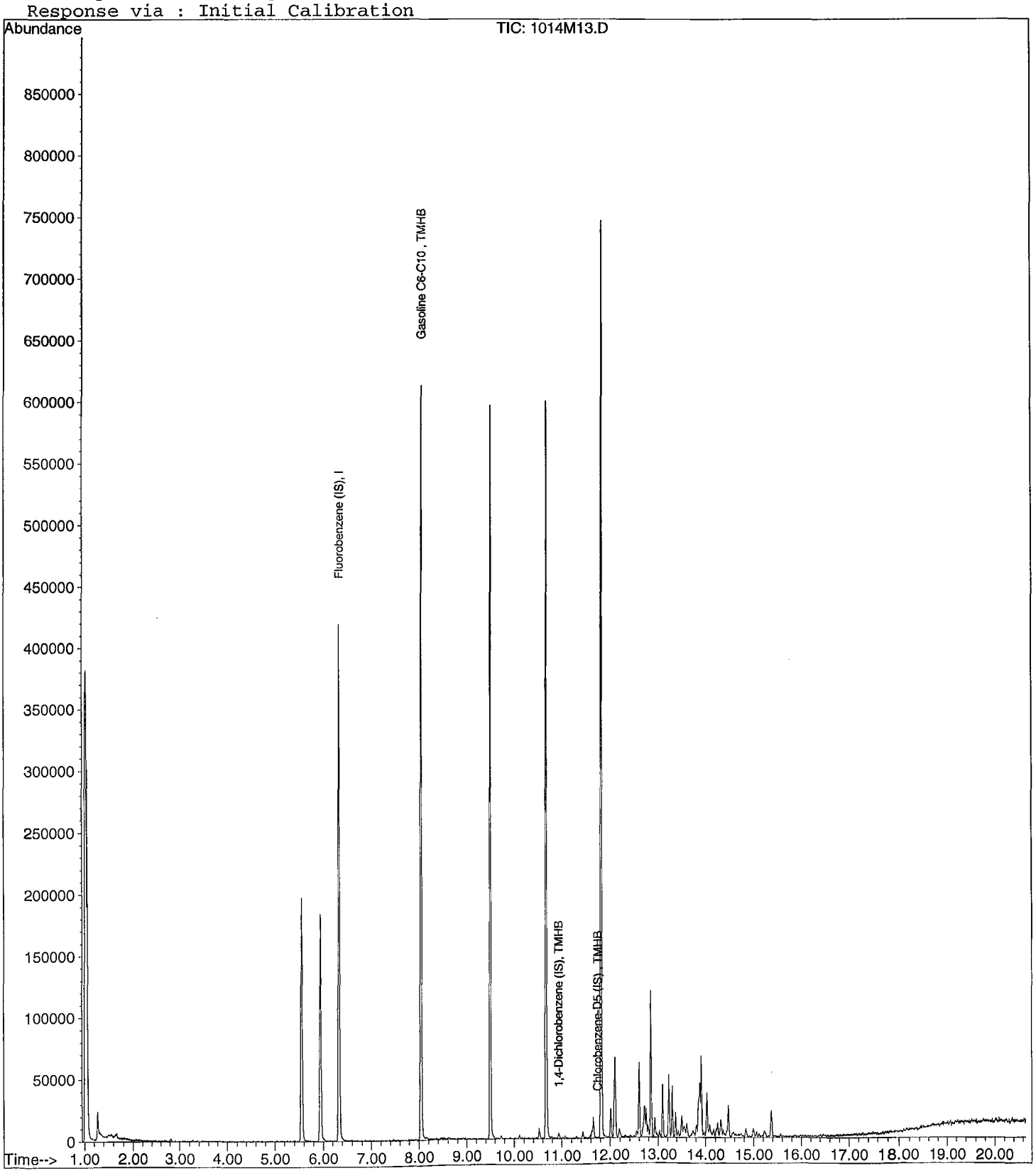
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\MAX\DATA\211008\1014M13.D Vial: 13
Acq On : 14 Oct 21 15:12 Operator: LP,DG,CH
Sample : BA42228W02 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Nov 11 13:49 2021 Quant Results File: MGAS0825.RES

Method : M:\MAX\DATA\210825\MGAS0825.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 16:19:36 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\211008\1014M14.D Vial: 14
Acq On : 14 Oct 21 15:41 Operator: LP,DG,CH
Sample : BA42229W01 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Nov 11 13:50 2021 Quant Results File: MGAS0825.RES

Quant Method : M:\MAX\DATA\210825\MGAS0825.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 16:19:36 2021
Response via : Initial Calibration
DataAcq Meth : M8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.33	TIC	431953	25.000	ppb	0.12
3) Chlorobenzene-D5 (IS)	11.75	TIC	594559m	25.000	ppb	0.00
4) 1,4-Dichlorobenzene (IS)	10.94	TIC	73329m	25.000	ppb	0.00
System Monitoring Compounds						
Target Compounds						Qvalue
2) Gasoline C6-C10	10.67	TIC	5046376m	63.824	ppb	100

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

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211008\1014M14.D Vial: 14
Acq On : 14 Oct 21 15:41 Operator: LP,DG,CH
Sample : BA42229W01 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Nov 11 13:54 2021 Quant Results File: M0825SUR.RES

Quant Method : M:\MAX\DATA\210825\M0825SUR.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 11:16:48 2021
Response via : Initial Calibration
DataAcq Meth : M8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.33	96	371779	25.00	ppb	0.12
4) Chlorobenzene-D5 (IS)	9.50	117	330772	25.00	ppb	0.08
7) 1,4-Dichlorobenzene-D (IS)	11.82	152	223521	25.00	ppb	0.07
System Monitoring Compounds						
2) Dibromofluoromethane(S)	5.55	111	122478	27.32	ppb	0.13
Spiked Amount 25.000			Recovery =	109.268%		
3) 1,2-DCA-D4(S)	5.94	65	83000	28.17	ppb	0.12
Spiked Amount 25.000			Recovery =	112.676%		
5) Toluene-D8(S)	8.05	98	389530	25.11	ppb	0.10
Spiked Amount 25.000			Recovery =	100.452%		
6) 4-Bromofluorobenzene(S)	10.67	95	158946	26.27	ppb	0.07
Spiked Amount 25.000			Recovery =	105.060%		

Target Compounds Qvalue

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

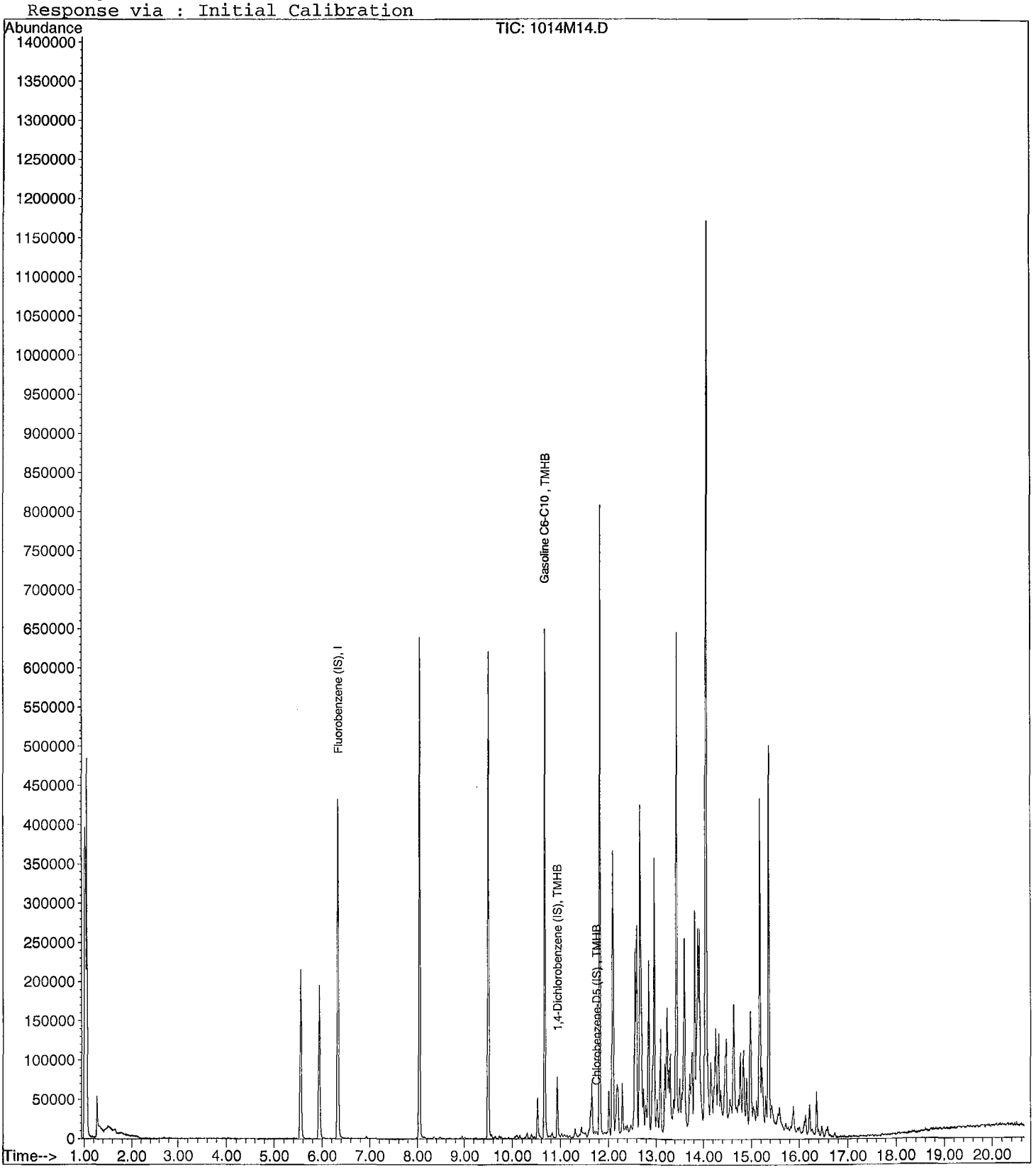
Quantitation Report

Data File : M:\MAX\DATA\211008\1014M14.D
Acq On : 14 Oct 21 15:41
Sample : BA42229W01
Misc : IS&S 8/4/21

Vial: 14
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Nov 11 13:50 2021 Quant Results File: MGAS0825.RES

Method : M:\MAX\DATA\210825\MGAS0825.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 16:19:36 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\211008\1014M15.D Vial: 15
Acq On : 14 Oct 21 16:09 Operator: LP,DG,CH
Sample : BA42230W01 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Nov 11 13:51 2021 Quant Results File: MGAS0825.RES

Quant Method : M:\MAX\DATA\210825\MGAS0825.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 16:19:36 2021
Response via : Initial Calibration
DataAcq Meth : M8260

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	6.33	TIC	450090	25.000 ppb	0.12
3) Chlorobenzene-D5 (IS)	11.75	TIC	418927m	25.000 ppb	0.00
4) 1,4-Dichlorobenzene (IS)	10.94	TIC	5624m	25.000 ppb	0.00
System Monitoring Compounds					
Target Compounds					Qvalue
2) Gasoline C6-C10	8.05	TIC	4871530m	6.030 ppb	100

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

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211008\1014M15.D Vial: 15
Acq On : 14 Oct 21 16:09 Operator: LP,DG,CH
Sample : BA42230W01 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Nov 11 13:54 2021 Quant Results File: M0825SUR.RES

Quant Method : M:\MAX\DATA\210825\M0825SUR.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 11:16:48 2021
Response via : Initial Calibration
DataAcq Meth : M8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.33	96	384722	25.00	ppb	0.12
4) Chlorobenzene-D5 (IS)	9.49	117	348203	25.00	ppb	0.08
7) 1,4-Dichlorobenzene-D (IS)	11.82	152	222921	25.00	ppb	0.07
System Monitoring Compounds						
2) Dibromofluoromethane(S)	5.55	111	123187	26.55	ppb	0.13
Spiked Amount 25.000			Recovery =	106.204%		
3) 1,2-DCA-D4(S)	5.94	65	84688	27.78	ppb	0.12
Spiked Amount 25.000			Recovery =	111.100%		
5) Toluene-D8(S)	8.05	98	402894	24.67	ppb	0.10
Spiked Amount 25.000			Recovery =	98.696%		
6) 4-Bromofluorobenzene(S)	10.67	95	157785	24.77	ppb	0.07
Spiked Amount 25.000			Recovery =	99.072%		

Target Compounds Qvalue

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

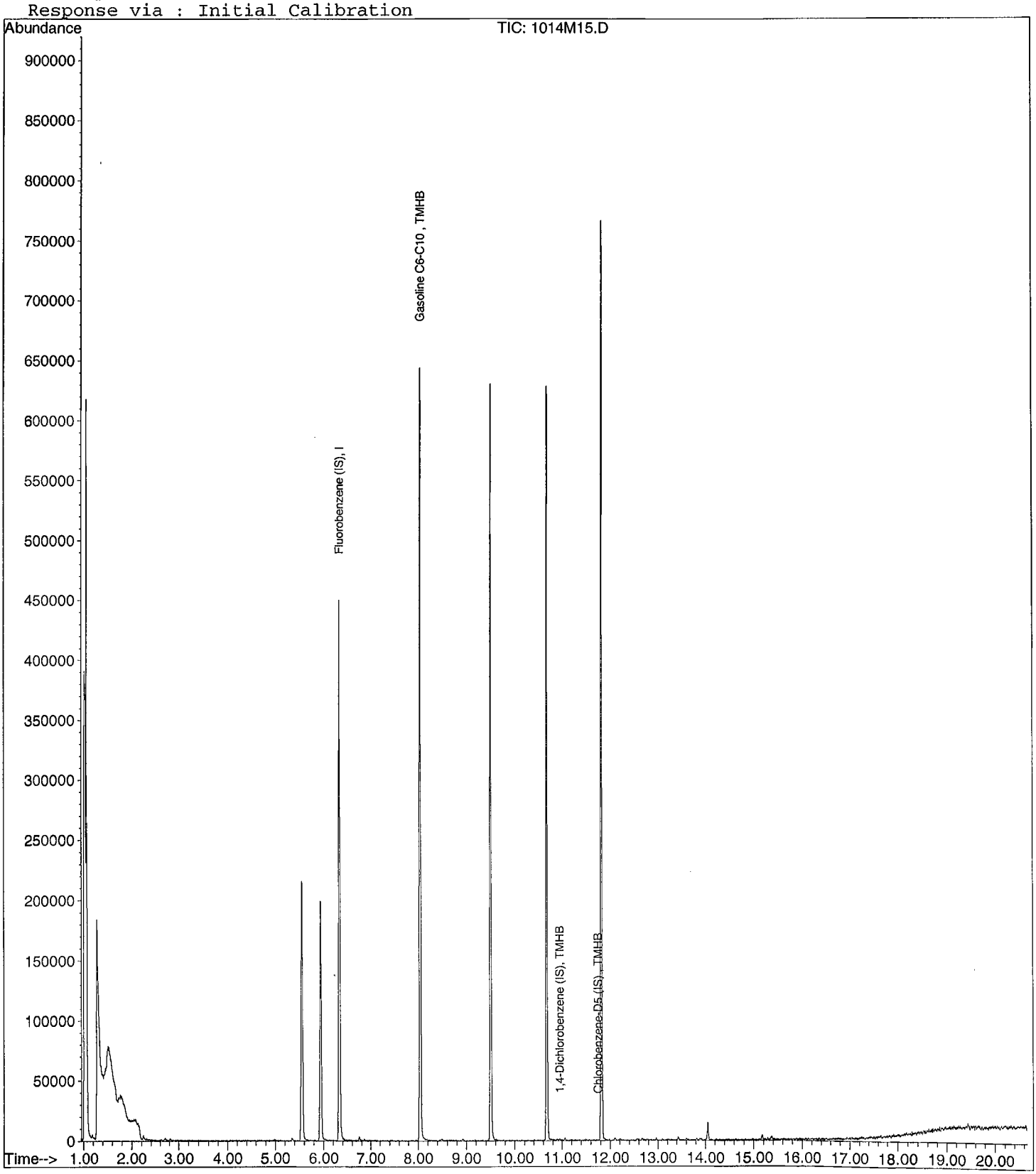
Quantitation Report

Data File : M:\MAX\DATA\211008\1014M15.D
Acq On : 14 Oct 21 16:09
Sample : BA42230W01
Misc : IS&S 8/4/21

Vial: 15
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Nov 11 13:51 2021 Quant Results File: MGAS0825.RES

Method : M:\MAX\DATA\210825\MGAS0825.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 16:19:36 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\211008\1014M16.D Vial: 16
Acq On : 14 Oct 21 16:37 Operator: LP,DG,CH
Sample : BA42231W01 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Nov 11 13:49 2021 Quant Results File: MGAS0825.RES

Quant Method : M:\MAX\DATA\210825\MGAS0825.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 16:19:36 2021
Response via : Initial Calibration
DataAcq Meth : M8260

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	6.33	TIC	430599	25.000 ppb	0.12
3) Chlorobenzene-D5 (IS)	11.75	TIC	412975m	25.000 ppb	0.00
4) 1,4-Dichlorobenzene (IS)	10.94	TIC	5296m	25.000 ppb	0.00
System Monitoring Compounds					
Target Compounds					Qvalue
2) Gasoline C6-C10	7.95	TIC	4163881m	-71.556 ppb	100

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

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211008\1014M16.D Vial: 16
Acq On : 14 Oct 21 16:37 Operator: LP,DG,CH
Sample : BA42231W01 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Nov 11 13:54 2021 Quant Results File: M0825SUR.RES

Quant Method : M:\MAX\DATA\210825\M0825SUR.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 11:16:48 2021
Response via : Initial Calibration
DataAcq Meth : M8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.33	96	371210	25.00	ppb	0.12
4) Chlorobenzene-D5 (IS)	9.50	117	335111	25.00	ppb	0.08
7) 1,4-Dichlorobenzene-D (IS)	11.82	152	216203	25.00	ppb	0.07
System Monitoring Compounds						
2) Dibromofluoromethane(S)	5.55	111	115904	25.89	ppb	0.13
Spiked Amount 25.000			Recovery = 103.560%			
3) 1,2-DCA-D4(S)	5.94	65	83496	28.38	ppb	0.13
Spiked Amount 25.000			Recovery = 113.524%			
5) Toluene-D8(S)	8.04	98	378444	24.08	ppb	0.09
Spiked Amount 25.000			Recovery = 96.328%			
6) 4-Bromofluorobenzene(S)	10.67	95	157187	25.64	ppb	0.07
Spiked Amount 25.000			Recovery = 102.552%			

Target Compounds Qvalue

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

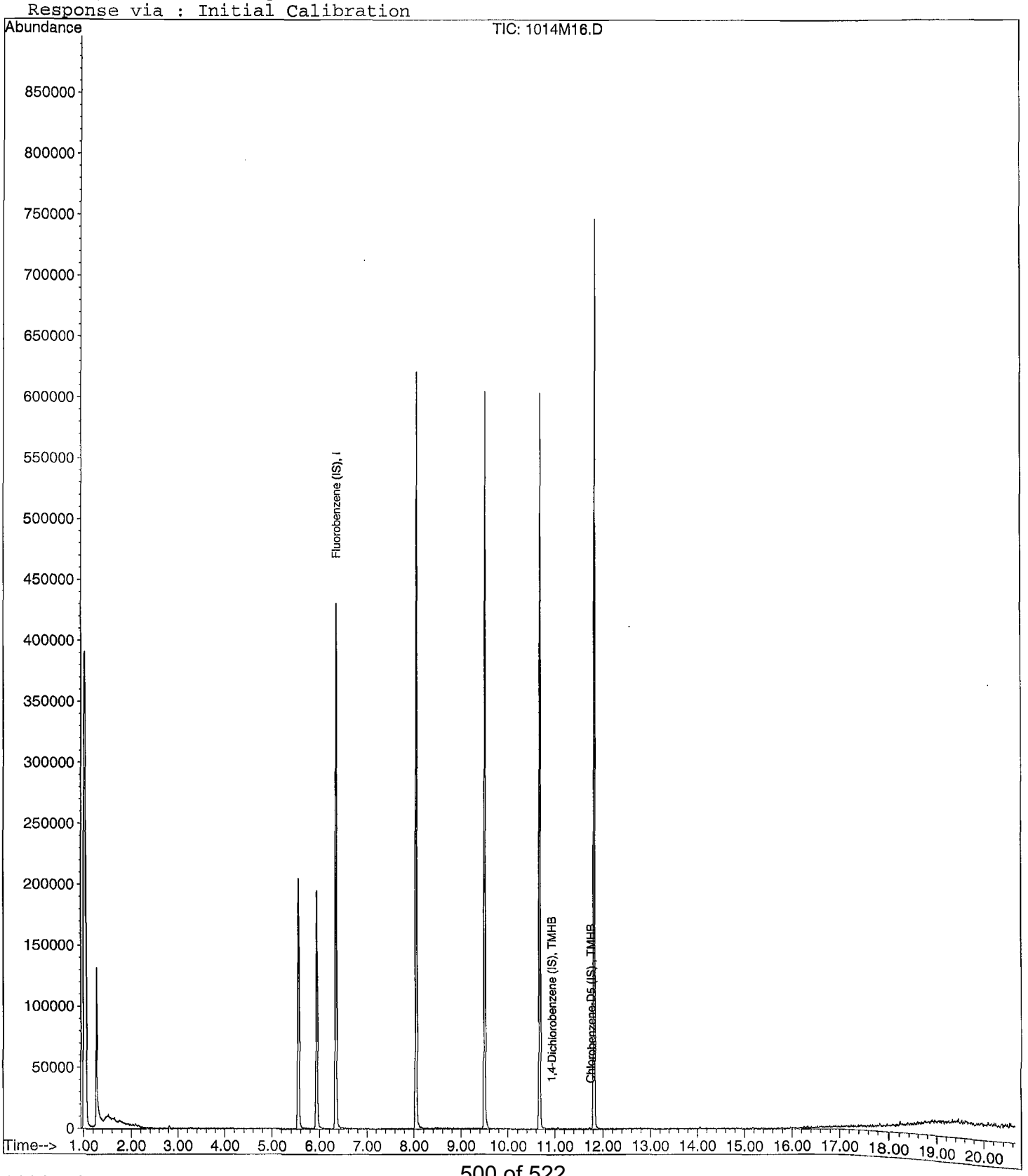
Quantitation Report

Data File : M:\MAX\DATA\211008\1014M16.D
Acq On : 14 Oct 21 16:37
Sample : BA42231W01
Misc : IS&S 8/4/21

Vial: 16
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Nov 11 13:49 2021 Quant Results File: MGAS0825.RES

Method : M:\MAX\DATA\210825\MGAS0825.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 16:19:36 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\211008\1014M17.D Vial: 17
Acq On : 14 Oct 21 17:06 Operator: LP,DG,CH
Sample : BA42232W01 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Nov 11 13:51 2021 Quant Results File: MGAS0825.RES

Quant Method : M:\MAX\DATA\210825\MGAS0825.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 16:19:36 2021
Response via : Initial Calibration
DataAcq Meth : M8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.33	TIC	443901	25.000	ppb	0.12
3) Chlorobenzene-D5 (IS)	11.75	TIC	426047m	25.000	ppb	0.00
4) 1,4-Dichlorobenzene (IS)	10.94	TIC	5477m	25.000	ppb	0.00
System Monitoring Compounds						
Target Compounds						Qvalue
2) Gasoline C6-C10	8.04	TIC	4767537m	0.422	ppb	100

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

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211008\1014M17.D Vial: 17
Acq On : 14 Oct 21 17:06 Operator: LP,DG,CH
Sample : BA42232W01 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Nov 11 13:54 2021 Quant Results File: M0825SUR.RES

Quant Method : M:\MAX\DATA\210825\M0825SUR.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 11:16:48 2021
Response via : Initial Calibration
DataAcq Meth : M8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.33	96	378540	25.00	ppb	0.12
4) Chlorobenzene-D5 (IS)	9.50	117	343942	25.00	ppb	0.08
7) 1,4-Dichlorobenzene-D (IS)	11.82	152	213657	25.00	ppb	0.07
System Monitoring Compounds						
2) Dibromofluoromethane(S)	5.55	111	120186	26.33	ppb	0.13
Spiked Amount 25.000			Recovery =	105.308%		
3) 1,2-DCA-D4(S)	5.94	65	80480	26.83	ppb	0.12
Spiked Amount 25.000			Recovery =	107.304%		
5) Toluene-D8(S)	8.04	98	389910	24.17	ppb	0.10
Spiked Amount 25.000			Recovery =	96.700%		
6) 4-Bromofluorobenzene(S)	10.67	95	153390	24.38	ppb	0.07
Spiked Amount 25.000			Recovery =	97.504%		

Target Compounds Qvalue

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

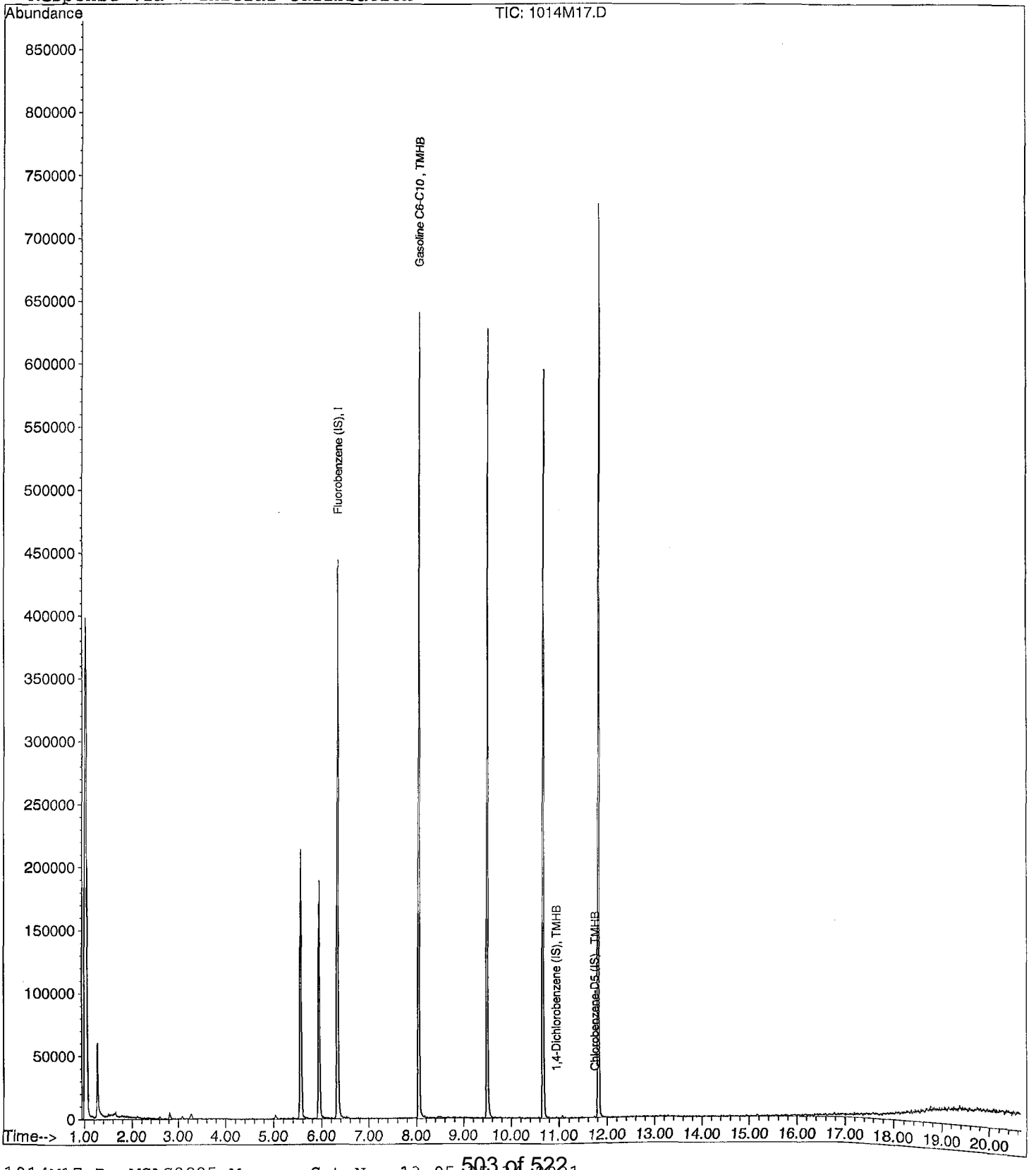
Quantitation Report

Data File : M:\MAX\DATA\211008\1014M17.D
Acq On : 14 Oct 21 17:06
Sample : BA42232W01
Misc : IS&S 8/4/21

Vial: 17
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Nov 11 13:51 2021 Quant Results File: MGAS0825.RES

Method : M:\MAX\DATA\210825\MGAS0825.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 16:19:36 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\211008\1014M08.D Vial: 8
Acq On : 14 Oct 21 12:50 Operator: LP,DG,CH
Sample : 211014A BLK Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Nov 11 13:57 2021 Quant Results File: MGAS0825.RE

Quant Method : M:\MAX\DATA\210825\MGAS0825.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 16:19:36 2021
Response via : Initial Calibration
DataAcq Meth : M8260

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	6.33	TIC	425054	25.00 ppb	0.12
3) Chlorobenzene-D5 (IS)	11.75	TIC	391577m	25.00 ppb	0.00
4) 1,4-Dichlorobenzene (IS)	10.94	TIC	8064m	25.00 ppb	0.00

System Monitoring Compounds

Target Compounds Qvalue

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

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211008\1014M08.D Vial: 8
Acq On : 14 Oct 21 12:50 Operator: LP,DG,CH
Sample : 211014A BLK Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 29 15:11 2021 Quant Results File: M0825SUR.RE

Quant Method : M:\MAX\DATA\210825\M0825SUR.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 11:16:48 2021
Response via : Initial Calibration
DataAcq Meth : M8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.33	96	365520	25.00	ppb	0.12
4) Chlorobenzene-D5 (IS)	9.49	117	324722	25.00	ppb	0.08
7) 1,4-Dichlorobenzene-D (IS)	11.82	152	206590	25.00	ppb	0.07
System Monitoring Compounds						
2) Dibromofluoromethane(S)	5.55	111	114884	26.06	ppb	0.13
Spiked Amount 25.000			Recovery =	104.248%		
3) 1,2-DCA-D4(S)	5.94	65	79528	27.45	ppb	0.12
Spiked Amount 25.000			Recovery =	109.812%		
5) Toluene-D8(S)	8.04	98	370896	24.36	ppb	0.09
Spiked Amount 25.000			Recovery =	97.428%		
6) 4-Bromofluorobenzene(S)	10.67	95	151774	25.55	ppb	0.07
Spiked Amount 25.000			Recovery =	102.188%		

Target Compounds Qvalue

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

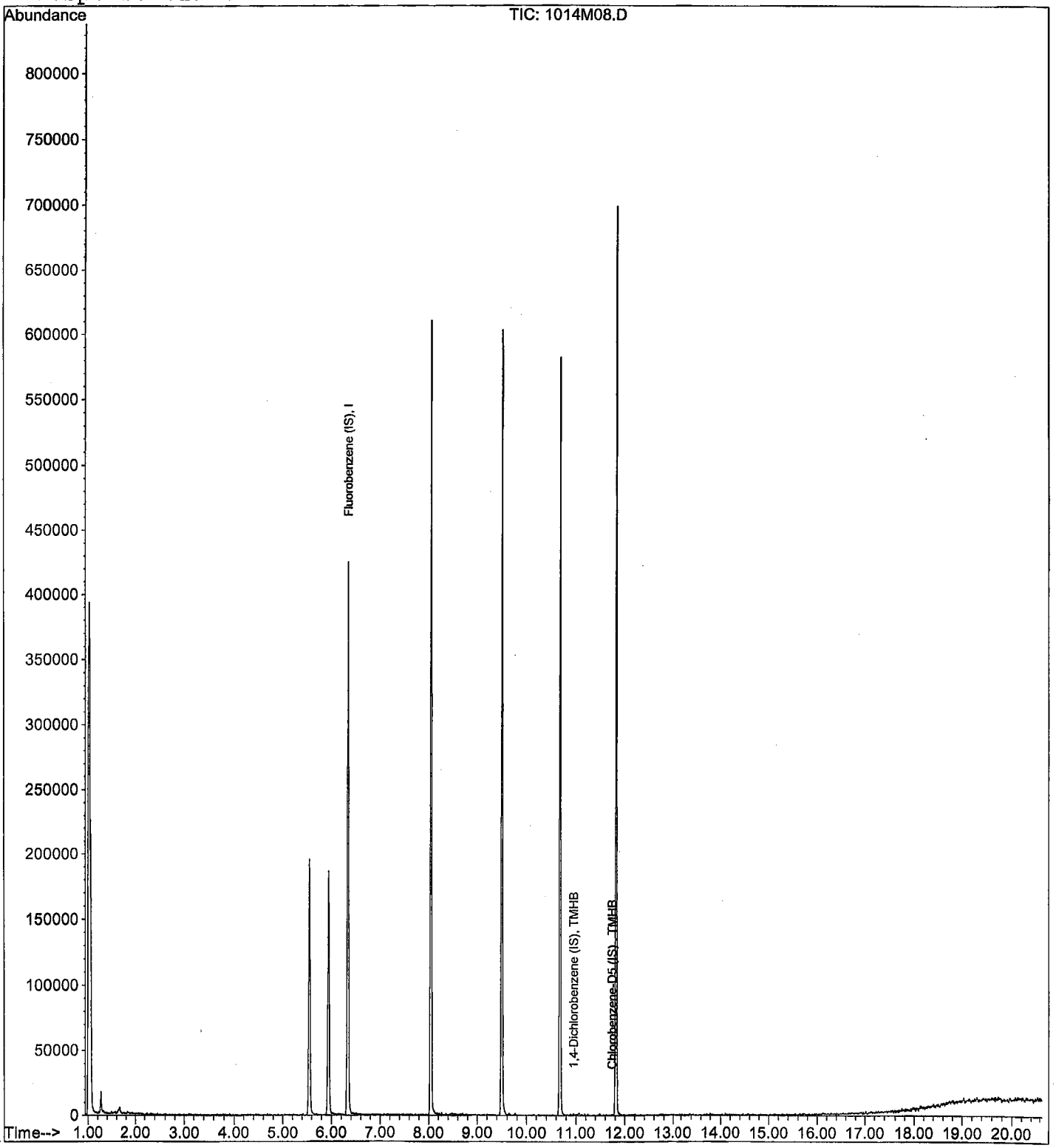
Quantitation Report

Data File : M:\MAX\DATA\211008\1014M08.D
Acq On : 14 Oct 21 12:50
Sample : 211014A BLK
Misc : IS&S 8/4/21

Vial: 8
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Nov 11 13:57 2021 Quant Results File: MGAS0825.RE

Method : M:\MAX\DATA\210825\MGAS0825.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 16:19:36 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\211008\1014M06.D
Acq On : 14 Oct 21 11:53
Sample : 211014A CCV/LCS 300ug/L
Misc : IS&S 8/4/21

Vial: 6
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Nov 11 11:39 2021 Quant Results File: MGAS0825.RES

Quant Method : M:\MAX\DATA\210825\MGAS0825.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 16:19:36 2021
Response via : Initial Calibration
DataAcq Meth : M8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.33	TIC	436359	25.000	ppb	0.12
3) Chlorobenzene-D5 (IS)	11.75	TIC	452910m	25.000	ppb	0.00
4) 1,4-Dichlorobenzene (IS)	10.94	TIC	157228m	25.000	ppb	0.00

System Monitoring Compounds

Target Compounds						Qvalue
2) Gasoline C6-C10	9.49	TIC	6890923m	340.215	ppb	100

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

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211008\1014M06.D Vial: 6
Acq On : 14 Oct 21 11:53 Operator: LP,DG,CH
Sample : 211014A CCV/LCS 300ug/L Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 29 15:11 2021 Quant Results File: M0825SUR.RES

Quant Method : M:\MAX\DATA\210825\M0825SUR.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 11:16:48 2021
Response via : Initial Calibration
DataAcq Meth : M8260

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	6.33	96	369956	25.000 ppb	0.12
4) Chlorobenzene-D5 (IS)	9.49	117	330843	25.000 ppb	0.08
7) 1,4-Dichlorobenzene-D (IS)	11.82	152	216394	25.000 ppb	0.07
System Monitoring Compounds					
2) Dibromofluoromethane(S)	5.55	111	117849	26.414 ppb	0.13
Spiked Amount 25.000			Recovery	= 105.656%	
3) 1,2-DCA-D4(S)	5.94	65	80656	27.509 ppb	0.12
Spiked Amount 25.000			Recovery	= 110.036%	
5) Toluene-D8(S)	8.04	98	373804	24.094 ppb	0.09
Spiked Amount 25.000			Recovery	= 96.376%	
6) 4-Bromofluorobenzene(S)	10.67	95	155140	25.631 ppb	0.07
Spiked Amount 25.000			Recovery	= 102.524%	

Target Compounds Qvalue

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

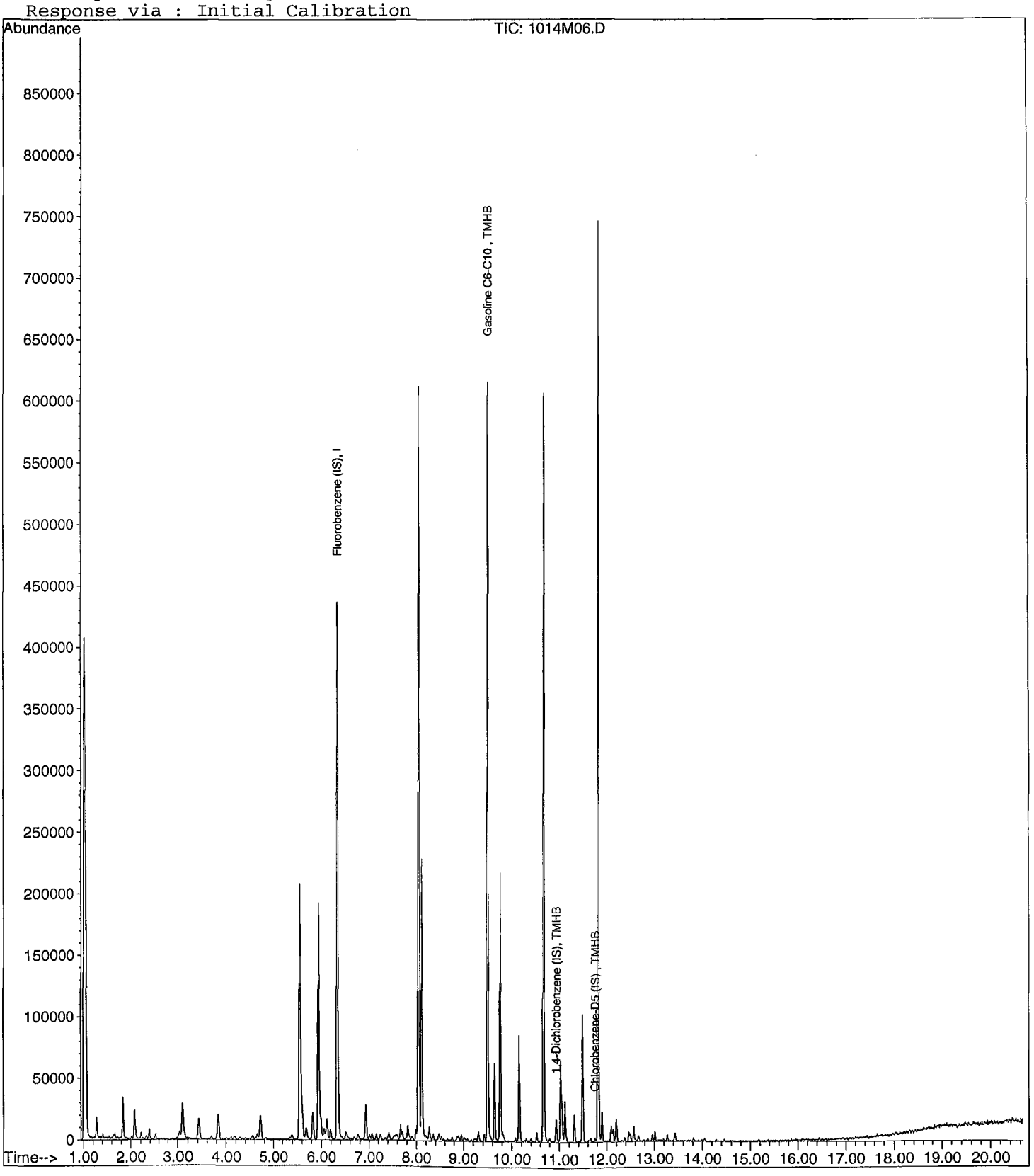
Quantitation Report

Data File : M:\MAX\DATA\211008\1014M06.D
Acq On : 14 Oct 21 11:53
Sample : 211014A CCV/LCS 300ug/L
Misc : IS&S 8/4/21

Vial: 6
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Nov 11 11:39 2021 Quant Results File: MGAS0825.RES

Method : M:\MAX\DATA\210825\MGAS0825.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 16:19:36 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\211008\1014M07.D Vial: 7
Acq On : 14 Oct 21 12:22 Operator: LP,DG,CH
Sample : 211014A LCSD 300ug/L Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Nov 11 15:50 2021 Quant Results File: MGAS0825.RE

Quant Method : M:\MAX\DATA\210825\MGAS0825.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 16:19:36 2021
Response via : Initial Calibration
DataAcq Meth : M8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.33	TIC	428094	25.00	ppb	0.12
3) Chlorobenzene-D5 (IS)	11.75	TIC	442399m	25.00	ppb	0.00
4) 1,4-Dichlorobenzene (IS)	10.94	TIC	161200m	25.00	ppb	0.00
System Monitoring Compounds						
Target Compounds						Qvalue
2) Gasoline C6-C10	8.04	TIC	6691735m	329.43	ppb	100

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

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211008\1014M07.D Vial: 7
Acq On : 14 Oct 21 12:22 Operator: LP,DG,CH
Sample : 211014A LCSD 300ug/L Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 29 15:11 2021 Quant Results File: M0825SUR.RE

Quant Method : M:\MAX\DATA\210825\M0825SUR.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 11:16:48 2021
Response via : Initial Calibration
DataAcq Meth : M8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.33	96	372464	25.00	ppb	0.12
4) Chlorobenzene-D5 (IS)	9.49	117	325930	25.00	ppb	0.08
7) 1,4-Dichlorobenzene-D (IS)	11.82	152	215973	25.00	ppb	0.07
System Monitoring Compounds						
2) Dibromofluoromethane(S)	5.55	111	114434	25.48	ppb	0.13
Spiked Amount 25.000			Recovery =	101.904%		
3) 1,2-DCA-D4(S)	5.94	65	81168	27.50	ppb	0.12
Spiked Amount 25.000			Recovery =	109.988%		
5) Toluene-D8(S)	8.04	98	380739	24.91	ppb	0.09
Spiked Amount 25.000			Recovery =	99.644%		
6) 4-Bromofluorobenzene(S)	10.67	95	154981	25.99	ppb	0.07
Spiked Amount 25.000			Recovery =	103.960%		

Target Compounds Qvalue

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

Quantitation Report

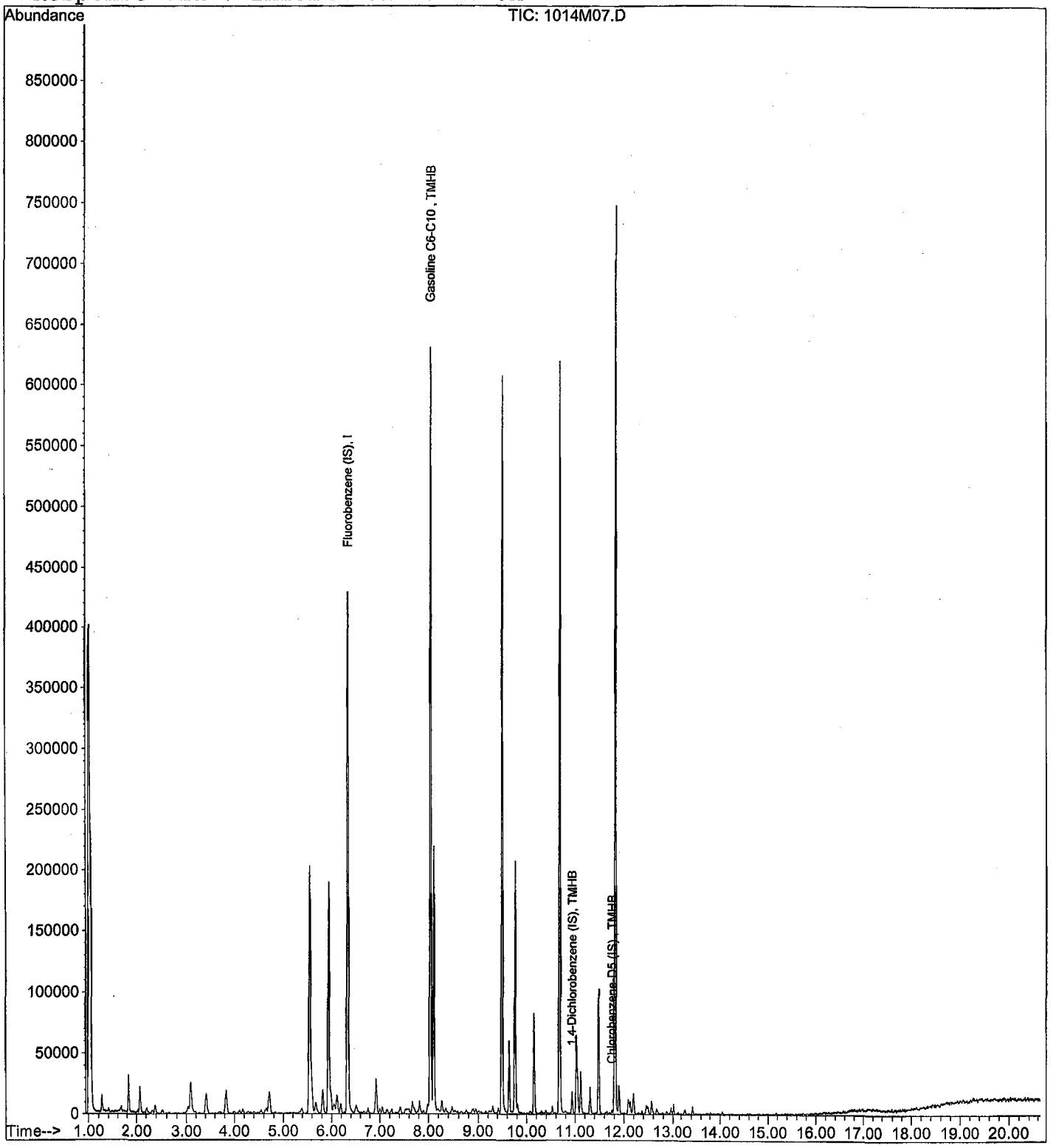
Data File : M:\MAX\DATA\211008\1014M07.D
Acq On : 14 Oct 21 12:22
Sample : 211014A LCSD 300ug/L
Misc : IS&S 8/4/21

Vial: 7
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Nov 11 15:50 2021

Quant Results File: MGAS0825.RE

Method : M:\MAX\DATA\210825\MGAS0825.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 16:19:36 2021
Response via : Initial Calibration



MAX 8260 Standard Prep

MAX 8260 Water Calibration Curve

0.3ug/L

Prepared: 8/25/2021

Expires: 9/8/2021

Prepared By (Initials): CH

Initial Standard Information							Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	APPL Mix Name	Conc. (ug/mL)	Reference To APPL Prep Date	Exp. Date	Exp. Date (Manufacturers)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/L)
VOA STD. 9	Various	0.3ug/L	5	Prepared 08/24/21	10/23/2021	N/A	3uL	50mL	P&T Water	0.3
VOA STD. 1	Absolute		50	Prepared 08/24/21	10/23/2021	N/A	5uL			5
VOA STD. 2	Phenova		100	Prepared 08/24/21	10/23/2021	N/A	2.5uL			5
VOA STD. TBA	Various		250	Prepared 08/24/21	9/8/2021	N/A	2uL			10

0.5ug/L

Prepared: 8/25/2021

Expires: 9/8/2021

Initial Standard Information							Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	APPL Mix Name	Conc. (ug/mL)	Reference To APPL Prep Date	Exp. Date	Exp. Date (Manufacturers)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/L)
VOA STD. 9	Various	0.5ug/L	5	Prepared 08/24/21	10/23/2021	N/A	5uL	50mL	P&T Water	0.5
VOA STD. 1	Absolute		50	Prepared 08/24/21	10/23/2021	N/A	10uL			10
VOA STD. 2	Phenova		100	Prepared 08/24/21	10/23/2021	N/A	5uL			10
VOA STD. TBA	Various		250	Prepared 08/24/21	9/8/2021	N/A	5uL			25

1.0ug/L

Prepared: 8/25/2021

Expires: 9/8/2021

Initial Standard Information							Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	APPL Mix Name	Conc. (ug/mL)	Reference To APPL Prep Date	Exp. Date	Exp. Date (Manufacturers)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/L)
VOA STD. 9	Various	1.0ug/L	5	Prepared 08/24/21	10/23/2021	N/A	10uL	50mL	P&T Water	1
VOA STD. 1	Absolute		50	Prepared 08/24/21	10/23/2021	N/A	20uL			20
VOA STD. 2	Phenova		100	Prepared 08/24/21	10/23/2021	N/A	10uL			20
VOA STD. TBA	Various		250	Prepared 08/24/21	9/8/2021	N/A	10uL			50

2.0ug/L

Prepared: 8/25/2021

Expires: 9/8/2021

Initial Standard Information							Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	APPL Mix Name	Conc. (ug/mL)	Reference To APPL Prep Date	Exp. Date	Exp. Date (Manufacturers)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/L)
VOA STD. 9	Various	2.0ug/L	5	Prepared 08/24/21	10/23/2021	N/A	20uL	50mL	P&T Water	2
VOA STD. 1	Absolute		50	Prepared 08/24/21	10/23/2021	N/A	30uL			30
VOA STD. 2	Phenova		100	Prepared 08/24/21	10/23/2021	N/A	15uL			30
VOA STD. TBA	Various		250	Prepared 08/24/21	9/8/2021	N/A	15uL			75

5ug/L

Prepared: 8/25/2021

Expires: 9/8/2021

Initial Standard Information							Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	APPL Mix Name	Conc. (ug/mL)	Reference To APPL Prep Date	Exp. Date	Exp. Date (Manufacturers)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/L)
VOA STD. 7	Various	5ug/L	50	Prepared 08/24/21	10/23/2021	N/A	5uL	50mL	P&T Water	5
VOA STD. 8	Phenova		50	Prepared 08/24/21	9/8/2021	N/A	5uL			5
VOA STD. 1	Absolute		50	Prepared 08/24/21	10/23/2021	N/A	40uL			40
VOA STD. 2	Phenova		100	Prepared 08/24/21	10/23/2021	N/A	20uL			20
VOA STD. TBA	Various		250	Prepared 08/24/21	9/8/2021	N/A	20uL			100

10ug/L

Prepared: 8/25/2021

Expires: 9/8/2021

Initial Standard Information							Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	APPL Mix Name	Conc. (ug/mL)	Reference To APPL Prep Date	Exp. Date	Exp. Date (Manufacturers)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/L)
VOA STD. 7	Various	10ug/L	50	Prepared 08/24/21	10/23/2021	N/A	10uL	50mL	P&T Water	10
VOA STD. 8	Phenova		50	Prepared 08/24/21	9/8/2021	N/A	10uL			10
VOA STD. 1	Absolute		50	Prepared 08/24/21	10/23/2021	N/A	50uL			50
VOA STD. 2	Phenova		100	Prepared 08/24/21	10/23/2021	N/A	25uL			50
VOA STD. TBA	Various		250	Prepared 08/24/21	9/8/2021	N/A	25uL			125

20ug/L

Prepared: 8/25/2021

Expires: 9/8/2021

Initial Standard Information							Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	APPL Mix Name	Conc. (ug/mL)	Reference To APPL Prep Date	Exp. Date	Exp. Date (Manufacturers)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/L)
VOA STD. 7	Various	20ug/L	50	Prepared 08/24/21	10/23/2021	N/A	20uL	50mL	P&T Water	20
VOA STD. 8	Phenova		50	Prepared 08/24/21	9/8/2021	N/A	20uL			20
VOA STD. 1	Absolute		50	Prepared 08/24/21	10/23/2021	N/A	60uL			60
VOA STD. 2	Phenova		100	Prepared 08/24/21	10/23/2021	N/A	30uL			60
VOA STD. TBA	Various		250	Prepared 08/24/21	9/8/2021	N/A	30uL			150

40ug/L

Prepared: 8/25/2021

Expires: 9/8/2021

Initial Standard Information							Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	APPL Mix Name	Conc. (ug/mL)	Reference To APPL Prep Date	Exp. Date	Exp. Date (Manufacturers)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/L)
VOA STD. 7	Various	40ug/L	50	Prepared 08/24/21	10/23/2021	N/A	40uL	50mL	P&T Water	40
VOA STD. 8	Phenova		50	Prepared 08/24/21	9/8/2021	N/A	40uL			40
VOA STD. 1	Absolute		50	Prepared 08/24/21	10/23/2021	N/A	80uL			80
VOA STD. 2	Phenova		100	Prepared 08/24/21	10/23/2021	N/A	40uL			80
VOA STD. TBA	Various		250	Prepared 08/24/21	9/8/2021	N/A	35uL			175

100ug/L

Prepared: 8/25/2021

Expires: 9/8/2021

Initial Standard Information							Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	APPL Mix Name	Conc. (ug/mL)	Reference To APPL Prep Date	Exp. Date	Exp. Date (Manufacturers)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/L)
VOA STD. 7	Various	100ug/L	50	Prepared 08/24/21	10/23/2021	N/A	100uL	50mL	P&T Water	100
VOA STD. 8	Phenova		50	Prepared 08/24/21	9/8/2021	N/A	100uL			100
VOA STD. 1	Absolute		50	Prepared 08/24/21	10/23/2021	N/A	100uL			100
VOA STD. 2	Phenova		100	Prepared 08/24/21	10/23/2021	N/A	50uL			100
VOA STD. TBA	Various		250	Prepared 08/24/21	9/8/2021	N/A	40uL			200

MAX 8260 Water Second Source (SS)

Prepared: 8/25/2021

Prepared By (Initials): CH

Expires: 9/8/2021

Initial Standard Information							Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	APPL Mix Name	Conc. (ug/mL)	Reference To APPL Prep Date	Exp. Date	Exp. Date (Manufacturers)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/L)
VOA STD. 3	Phenova	8260 Water SS	100	Prepared 08/24/21	10/23/2021	N/A	25uL	50mL	P&T Water	50
VOA STD. GASES	Phenova	8260 Water SS	50	Prepared 08/24/21	10/23/2021	N/A	10uL			10
VOA STD. 0	Phenova	8260 Water SS	50	Prepared 08/24/21	10/23/2021	N/A	10uL			10
VOA STD. 2-CEVE	Absolute	8260 Water SS	50	Prepared 08/24/21	8/24/2021	N/A	50uL			50
VOA STD. 6	Various	8260 Water SS	50	Prepared 08/24/21	9/8/2021	N/A	10uL			10
Voa STD. TBA	Various	8260 Water SS	250	Prepared 08/24/21	9/8/2021	N/A	25uL			250

8260 Water Continuing Calibrations (CCV)/ Lab Control Spikes (LCS)

Prepared: 8/25/2021

Prepared By (Initials): CH

Expires: 8/26/2021

Initial Standard Information							Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	APPL Mix Name	Conc. (ug/mL)	Reference To APPL Prep Date	Exp. Date	Exp. Date (Manufacturers)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/L)
VOA STD. 7	Various	CCV/ LCS	50	Prepared 08/24/21	10/23/2021	N/A	10uL	50mL	P&T Water	10
VOA STD. 8	Phenova	CCV/ LCS	50	Prepared 08/24/21	9/8/2021	N/A	10uL			10
VOA STD. 1	Absolute	CCV/ LCS	50	Prepared 08/24/21	10/23/2021	N/A	50uL			50
VOA STD. 2	Phenova	CCV/ LCS	100	Prepared 08/24/21	10/23/2021	N/A	25uL			50
VOA STD. TBA	Various	CCV/ LCS	250	Prepared 08/24/21	9/8/2021	N/A	25uL			250

Primary and Secondary Working Standards

Primary Standards

VOA STD 7

Prepared: 8/24/2021 **A**
Expires: 10/23/2021
Methanol Lot No. DW117-US-0095

Prepared By (Initials): CH

Initial Standard Information							Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	Supplier P/N#	Conc. (ug/mL)	Lot Number - QA Number	Exp. Date (1 yr)	Exp. Date (Manufacturers)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/mL)
VOA Gasses STD	Phenova	ALO-101206	2,000	CL15768-52733	8/24/2022	9/30/2025	100uL	4mL	Methanol	50
Hexachloroethane	Absolute	70199	1,000	021621-52800	8/24/2022	2/16/2026	200uL			50
Benzyl Chloride	Absolute	70037	1,000	052521-52804	8/24/2022	5/25/2022	200uL			50

VOA STD 8

Prepared: 8/24/2021 **B**
Expires: 9/8/2021
Methanol Lot No. DW117-US-0095

Prepared By (Initials): CH

Initial Standard Information							Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	Supplier P/N#	Conc. (ug/mL)	Lot Number - QA Number	Exp. Date (1 yr)	Exp. Date (Manufacturers)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/mL)
VOA Additions STD	Phenova	ALO-130175	2,000	CL15724-52556	8/24/2022	8/31/2022	100uL	4mL	Methanol	50
502.2 Cal. Std.	Phenova	ALO-101200	2,000	CL16071-52751	8/24/2022	11/30/2025	100uL			50
Vinyl Acetate	Phenova	ALO-101228	2,000	CL17236-52870	8/11/2022	9/8/2021	100uL			50

VOA STD TBA

Prepared: 8/24/2021 **C**
Expires: 9/8/2021
Methanol Lot No. DW117-US-0095

Prepared By (Initials): CH

Initial Standard Information							Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	Supplier P/N#	Conc. (ug/mL)	Lot Number - QA Number	Exp. Date (1 yr)	Exp. Date (Manufacturers)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/mL)
Custom VOC Mix	Phenova	ALO-130176	2,000	CL16012-52760	8/24/2022	11/30/2023	500uL	4mL	Methanol	250
Acrolein	Phenova	ALO-130549	10,000	CL17239-52872	8/11/2022	9/8/2021	100uL			250

VOA STD 1

Prepared: 8/24/2021 **D**
Expires: 10/23/2021
Methanol Lot No. DW117-US-0095

Prepared By (Initials): CH

Initial Standard Information							Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	Supplier P/N#	Conc. (ug/mL)	Lot Number - QA Number	Exp. Date (1 yr)	Exp. Date (Manufacturers)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/mL)
2-CEVE	Absolute	82408	2,000	052521-52616	8/3/2022	5/25/2024	50	2mL	Methanol	50

VOA STD 2

Prepared: 8/24/2021 **E**
Expires: 10/23/2021
Methanol Lot No. DW117-US-0095

Prepared By (Initials): CH

Initial Standard Information							Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	Supplier P/N#	Conc. (ug/mL)	Lot Number - QA Number	Exp. Date (1 yr)	Exp. Date (Manufacturers)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/mL)
Ketones Std.	Phenova	ALO-109211	2,000	CL16067-52768	8/24/2022	11/30/2030	200	4mL	Methanol	100

VOA STD 9

Prepared: 8/24/2021 **F**
Expires: 10/23/2021
Methanol Lot No. DW117-US-0095

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 (1 yr)	Exp. Date (Manufacturers)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/mL)
VOA STD. 7		VOA STD. 9	50	Prepared 08/24/21	8/24/2022	N/A	200uL	2mL	Methanol	5
VOA STD. 8			50	Prepared 08/24/21	8/24/2022	N/A	200uL			5

VOA STD. 10

Prepared: 8/24/2021 **G**
Expires: 10/23/2021
Methanol Lot No. DW117-US-0095

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 (1 yr)	Exp. Date (Manufacturers)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/mL)
VOA STD. 1		VOA STD. 10	50	Prepared 08/24/21	8/24/2022	N/A	200uL	2mL	Methanol	5

VOA STD. 12

Prepared: 8/24/2021 **H**
Expires: 10/23/2021
Methanol Lot No. DW117-US-0095

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 (1 yr)	Exp. Date (Manufacturers)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/mL)
VOA STD. 2		VOA STD. 12	50	Prepared 08/24/21	8/24/2022	N/A	200uL	2mL	Methanol	5

Second Source (SS) Standards

VOA STD. 3

Prepared: 8/24/2021 I
Expires: 10/23/2021
Methanol Lot No. DW117-US-0095

Prepared By (Initials): CH

Initial Standard Information							Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	Supplier P/N#	Conc. (ug/mL)	Lot Number - QA Number	Exp. Date (1 yr)	Exp. Date (Manufacturers)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/mL)
Ketones Standard	Phenova	ALO-101211	2,000	CL16074-52773	8/24/2022	11/30/2030	100uL	2mL	Methanol	100

VOA STD. Gases

Prepared: 8/24/2021 J
Expires: 10/23/2021
Methanol Lot No. DW117-US-0095

Prepared By (Initials): CH

Initial Standard Information							Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	Supplier P/N#	Conc. (ug/mL)	Lot Number - QA Number	Exp. Date (1 yr)	Exp. Date (Manufacturers)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/mL)
8260 Gases (SS)	Phenova	ALO-101206	2,000	CL15769-52735	8/24/2022	9/30/2025	50uL	2mL	Methanol	50

VOA STD. 6

Prepared: 8/24/2021 K
Expires: 9/8/2021
Methanol Lot No. DW117-US-0095

Prepared By (Initials): CH

Initial Standard Information							Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	Supplier P/N#	Conc. (ug/mL)	Lot Number - QA Number	Exp. Date (1 yr)	Exp. Date (Manufacturers)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/mL)
502.2 Calibration STD. (54-compounds)	Phenova	ALO-101200	2,000	CL16052-52755	8/24/2022	11/30/2025	50uL	2mL	Methanol	50
Vinyl Acetate	Phenova	ALO-101228	2,000	CL17236-52871	8/11/2022	9/8/2021	50uL			50
Hexachloroethane	Accustand	AS-E0011	1,000	219061767-52783	8/24/2022	6/28/2029	100uL			50
Benzyl Chloride	Accustand	M-8010-01	200	219111303-01-52787	8/24/2022	1/30/2023	500uL			50

VOA STD. TBA

Prepared: 8/24/2021 L
Expires: 9/8/2021
Methanol Lot No. DW117-US-0095

Prepared By (Initials): CH

Initial Standard Information							Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	Supplier P/N#	Conc. (ug/mL)	Lot Number - QA Number	Exp. Date (1 yr)	Exp. Date (Manufacturers)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/mL)
Custom VOA Mix (4-3)	Phenova	ALO-130176	2,000	CL15725-52764	8/24/2022	9/30/2023	250uL	2mL	Methanol	250
Acrolein	Phenova	ALO-101224	10,000	CL17239-52873	8/11/2022	9/8/2021	50uL			250

VOA STD. 0

Prepared: 8/24/2021 M
Expires: 10/23/2021
Methanol Lot No. DW117-US-0095

Prepared By (Initials): CH

Initial Standard Information							Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	Supplier P/N#	Conc. (ug/mL)	Lot Number - QA Number	Exp. Date (1 yr)	Exp. Date (Manufacturers)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/mL)
VOA Addition STD.	Phenova	ALO-130175	2,000	CL15724-52748	8/24/2022	9/30/2022	50uL	2mL	Methanol	50

VOA STD. 2-CEVE

Prepared: 8/24/2021 N
Expires: 10/23/2021
Methanol Lot No. DW117-US-0095

Prepared By (Initials): CH

Initial Standard Information							Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	Supplier P/N#	Conc. (ug/mL)	Lot Number - QA Number	Exp. Date (1 yr)	Exp. Date (Manufacturers)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/mL)
2-CEVE (SS)	Absolute	82408	2,000	011320-52810	8/3/2022	1/13/2023	50uL	2mL	Methanol	50

MAX Gas Standard Prep

Gas Primary Working Standard

Prepared: 6/23/2021 — **Prepared By (Initials):** CH

Expires: 1/4/2022

Methanol Lot No.

Initial Standard Information							Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	Supplier P/N#	Conc. (ug/mL)	Lot Number - QA Number	Exp. Date (1 yr)	Exp. Date (Manufacturers)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/mL)
50,000ug/mL Gas STD	Restek	30205	50,000	A0132443	1/4/2022	12/31/2024	80uL	2mL	Methanol	2,000

Gas Second Source (SS) Working Standard

Prepared: 3/31/2021 — **Prepared By (Initials):** CH

Expires: 1/31/1930

Methanol Lot No.

Initial Standard Information							Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	Supplier P/N#	Conc. (ug/mL)	Lot Number - QA Number	Exp. Date (1 yr)	Exp. Date (Manufacturers)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/mL)
Gasoline (50,000ppm)	Phenova	ALO-101543	50,000	CL14915-51175	1/4/2022	1/31/1930	80uL	2mL	Methanol	2,000

MAX Gas Calibration Curve

Prepared: 8/25/2021 — **Prepared By (Initials):** CH

Expires: 10/24/2021

Initial Standard Information							Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	APPL Mix Name	Conc. (ug/mL)	Reference To APPL Prep Date	Exp. Date	Exp. Date (Manufacturers)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/L)
VOA Gasses Standards	Phenova	20ug/L	2,000	Prepared 06/23/21	1/4/2022	N/A	1uL	100mL	P&T Water	20
VOA Gasses Standards	Phenova	50ug/L	2,000	Prepared 06/23/21	1/4/2022	N/A	2.5uL	100mL	P&T Water	50
VOA Gasses Standards	Phenova	100ug/L	2,000	Prepared 06/23/21	1/4/2022	N/A	5uL	100mL	P&T Water	100
VOA Gasses Standards	Phenova	300ug/L	2,000	Prepared 06/23/21	1/4/2022	N/A	15uL	100mL	P&T Water	300
VOA Gasses Standards	Phenova	600ug/L	2,000	Prepared 06/23/21	1/4/2022	N/A	30uL	100mL	P&T Water	600
VOA Gasses Standards	Phenova	800ug/L	2,000	Prepared 06/23/21	1/4/2022	N/A	40uL	100mL	P&T Water	800
VOA Gasses Standards	Phenova	1,000ug/L	2,000	Prepared 06/23/21	1/4/2022	N/A	50uL	100mL	P&T Water	1,000

Zeus Gas Second Source

Prepared: 8/25/2021 — **Prepared By (Initials):** CH

Expires: 10/24/2021

Initial Standard Information							Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	APPL Mix Name	Conc. (ug/mL)	Reference To APPL Prep Date	Exp. Date	Exp. Date (Manufacturers)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/L)
50,000ug/mL Gas STD	Phenova	SS 300ug/L	2,000	Prepared 03/31/21	1/31/1930	N/A	15uL	100mL	P&T Water	300

MAX Gas Continuing Calibrations/Lab Control Spikes

Prepared: 8/25/2021 — **Prepared By (Initials):** CH

Expires: 8/26/2021

Initial Standard Information							Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	Supplier P/N#	Conc. (ug/mL)	Lot Number - QA Number	Exp. Date (1 yr)	Exp. Date (Manufacturers)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/mL)
VOA Gasses Standards	Phenova	300ug/L	2,000	Prepared 06/23/21	1/4/2022	N/A	15uL	100mL	P&T Water	300

Injection Log

Directory: M:\MAX\DATA\210825\

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	2	0825M12.D	1	0.3ug/L VOC STD 8/25/21	IS&S 6/4/21	25 Aug 21 15:15
2	3	0825M13.D	1	0.5ug/L VOC STD 8/25/21	IS&S 6/4/21	25 Aug 21 15:43
3	4	0825M14.D	1	1ug/L VOC STD 8/25/21	IS&S 6/4/21	25 Aug 21 16:11
4	5	0825M15.D	1	2ug/L VOC STD 8/25/21	IS&S 6/4/21	25 Aug 21 16:39
5	6	0825M16.D	1	5ug/L VOC STD 8/25/21	IS&S 6/4/21	25 Aug 21 17:07
6	7	0825M17.D	1	10ug/L VOC STD 8/25/21	IS&S 6/4/21	25 Aug 21 17:35
7	8	0825M18.D	1	20ug/L VOC STD 8/25/21	IS&S 6/4/21	25 Aug 21 18:03
8	9	0825M19.D	1	40ug/L VOC STD 8/25/21	IS&S 6/4/21	25 Aug 21 18:31
9	10	0825M20.D	1	100ug/L VOC STD 8/25/21	IS&S 6/4/21	25 Aug 21 18:59
10	13	0825M23.D	1	20ug/L GAS STD 8/25/21	IS&S 6/4/21	25 Aug 21 20:23
11	14	0825M24.D	1	50ug/L GAS STD 8/25/21	IS&S 6/4/21	25 Aug 21 20:51
12	15	0825M25.D	1	100ug/L GAS STD 8/25/21	IS&S 6/4/21	25 Aug 21 21:19
13	16	0825M26.D	1	300ug/L GAS STD 8/25/21	IS&S 6/4/21	25 Aug 21 21:47
14	17	0825M27.D	1	600ug/L GAS STD 8/25/21	IS&S 6/4/21	25 Aug 21 22:14
15	18	0825M28.D	1	800ug/L GAS STD 8/25/21	IS&S 6/4/21	25 Aug 21 22:42
16	19	0825M29.D	1	1000ug/L GAS STD 8/25/21	IS&S 6/4/21	25 Aug 21 23:10
17	21	0825M31.D	1	(SS) 300ug/L GAS STD 8/25/21	IS&S 6/4/21	26 Aug 21 00:06
18	6	1014M06.D	1	211014A CCV/LCS 300ug/L	IS&S 8/4/21	14 Oct 21 11:53
19	7	1014M07.D	1	211014A LCSD 300ug/L	IS&S 8/4/21	14 Oct 21 12:22
20	8	1014M08.D	1	211014A BLK	IS&S 8/4/21	14 Oct 21 12:50
21	13	1014M13.D	1	BA42228W02	IS&S 8/4/21	14 Oct 21 15:12
22	14	1014M14.D	1	BA42229W01	IS&S 8/4/21	14 Oct 21 15:41
23	15	1014M15.D	1	BA42230W01	IS&S 8/4/21	14 Oct 21 16:09
24	16	1014M16.D	1	BA42231W01	IS&S 8/4/21	14 Oct 21 16:37
25	17	1014M17.D	1	BA42232W01	IS&S 8/4/21	14 Oct 21 17:06
26	27	1014M27.D	1	Ending CCV 300ug/L 10/14/21	IS&S 8/4/21	14 Oct 21 21:49

INORGANIC ANALYSIS
Calibration and Raw Data

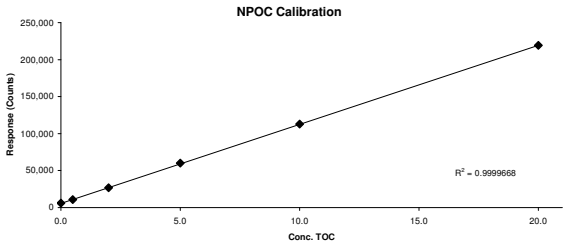
TOTAL ORGANIC CARBON

Method: WetChem | Units mg/L | Instrument: Tic Toc

Analyte: TOC | QCG: 211013A

Analyist: EA | Final Volume: 40mL

Date	Time	Appl ID	[TOC]	Raw	% Recovery
6/28/2021	15:15	QC blank	0.00	5899	
6/28/2021	17:33	Ical 1	0.50	10615	
6/28/2021	18:12	Ical 2	2.00	26885	
6/28/2021	18:51	Ical 3	5.00	59905	
6/28/2021	19:30	Ical 4	10.00	113075	
6/28/2021	20:09	Ical 5	20.00	219175	
6/28/2021	20:49	ICB	0.09	4232	
6/28/2021	21:28	ICV	10.76	118257	107.6%



Date	Time	Appl ID	DF	Raw Result	SubSample Amount	Filter Blank Subtract	Calc Conc	Result	Range (mg/L)	QC True	% Recovery
2021-10-12	11:29 AM	QCB	1	6794	40mL	0.000	0	0.00	0.00		
2021-10-12	12:09 PM	CCV	1	50465	40mL	0.000	4.088	4.09	0.28	5.00	81.8%
2021-10-12	12:49 PM	211012A CCB	1	2641	40mL	0.000	0	0.00	0.00		
2021-10-12	02:09 PM	211012A LCSD	1	61047	40mL	0.000	5.077	5.08	0.07	5.00	101.5%
2021-10-12	02:50 PM	BA39639W06 TOC	1	57598	40mL	0.000	5.08	5.08	0.16		
2021-10-12	04:05 PM	BA39638W06 TOC	1	56579	40mL	0.000	4.985	4.99	0.83		
2021-10-12	05:21 PM	BA39637W06 TOC	1	4013	40mL	0.000	0.065	0.07	0.08		
2021-10-12	06:33 PM	211012A LCS	1	54515	40mL	0.000	4.466	4.47	0.52	5.00	89.3%
2021-10-12	07:50 PM	BA39497W01 TOC	1	41220	40mL	0.000	3.547	3.55	0.80		
2021-10-12	09:07 PM	BA39500W01 TOC	1	4583	40mL	0.000	0.118	0.12	0.10		
2021-10-12	10:20 PM	CCV	1	61146	40mL	0.000	5.087	5.09	0.02	5.00	101.7%
2021-10-12	11:00 PM	211012B CCB	1	2704	40mL	0.000	0	0.00	0.00		
2021-10-12	11:40 PM	BA42230W05	1	52352	40mL	0.000	4.589	4.59	6.76		
2021-10-13	12:19 AM	BA42228W05	1	13901	40mL	0.000	0.991	0.99	1.70		
2021-10-13	12:56 AM	BA42231W06	1	8560	40mL	0.000	0.51	0.51	0.98		
2021-10-13	01:34 AM	BA42512W05	1	46238	40mL	0.000	4.017	4.02	0.84		
2021-10-13	02:13 AM	BA42514W06	1	62184	40mL	0.000	5.509	5.51	1.11		
2021-10-13	02:52 AM	BA42516W06	1	82076	40mL	0.000	7.371	7.37	1.80		
2021-10-13	03:31 AM	BA42518W06	1	14760	40mL	0.000	1.071	1.07	0.18		
2021-10-13	04:09 AM	BA42524W05	1	5436	40mL	0.000	0.198	0.20	0.13		
2021-10-13	04:45 AM	BA42527W06	1	5953	40mL	0.000	0.247	0.25	0.02		
2021-10-13	05:22 AM	CCV	1	62300	40mL	0.000	5.195	5.20	0.09	5.00	103.9%
2021-10-13	06:02 AM	211004C CCB	1	2820	40mL	0.000	0	0.00	0.00		

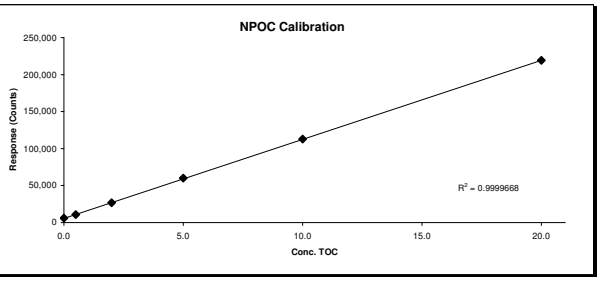
TOTAL ORGANIC CARBON

Method: WetChem | Units mg/L | Instrument: Tic Toc

Analyte: TOC | QCG: 211012A

Analyist: EA | Final Volume: 40mL

Date	Time	Appl ID	[TOC]	Raw	% Recovery
6/28/2021	15:15	QC blank	0.00	5899	
6/28/2021	17:33	Ical 1	0.50	10615	
6/28/2021	18:12	Ical 2	2.00	26885	
6/28/2021	18:51	Ical 3	5.00	59905	
6/28/2021	19:30	Ical 4	10.00	113075	
6/28/2021	20:09	Ical 5	20.00	219175	
6/28/2021	20:49	ICB	0.09	4232	
6/28/2021	21:28	ICV	10.76	118257	107.6%



Date	Time	Appl ID	DF	Raw Result	SubSample Amount	Filter Blank Subtract	Calc Conc	Result	Range (mg/L)	QC True	% Recovery
2021-10-07	11:13 AM	QCB	1	5565	40mL	0.000	0	0.00	0.00		
2021-10-07	11:52 AM	CCV	1	58136	40mL	0.000	4.92	4.92	0.42	5.00	98.4%
2021-10-07	12:32 PM	211007A CCB	1	2696	40mL	0.000	0	0.00	0.00		
2021-10-07	01:12 PM	211007A LCS	1	50477	40mL	0.000	4.204	4.20	0.14	5.00	84.1%
2021-10-07	01:52 PM	211007A LCSD	1	64038	40mL	0.000	5.473	5.47	0.17	5.00	109.5%
2021-10-07	05:04 PM	BA39632W07 TOC	1	84873	40mL	0.000	7.633	7.63	0.19		
2021-10-07	06:19 PM	BA39633W06 TOC	1	88038	40mL	0.000	7.929	7.93	0.12		
2021-10-07	07:35 PM	BA39634W06 TOC	1	54725	40mL	0.000	4.811	4.81	0.09		
2021-10-07	08:50 PM	BA39635W06 TOC	1	53864	40mL	0.000	4.731	4.73	0.08		
2021-10-07	10:06 PM	BA42229W06	1	47637	40mL	0.000	4.148	4.15	5.95		
2021-10-07	10:45 PM	CCV	1	62352	40mL	0.000	5.315	5.32	0.17	5.00	106.3%
2021-10-07	11:25 PM	211007B CCB	1	2449	40mL	0.000	0	0.00	0.00		
2021-10-08	12:04 AM	BA39640W06 TOC	1	54027	40mL	0.000	4.745	4.75	0.18		
2021-10-08	01:21 AM	BA39636W06 TOC	1	57495	40mL	0.000	5.07	5.07	0.34		
2021-10-08	02:36 AM	BA39631W07 TOC	1	82476	40mL	0.000	7.408	7.41	0.18		
2021-10-08	03:52 AM	BA39627W07 TOC	1	42414	40mL	0.000	3.659	3.66	6.03		
2021-10-08	05:08 AM	BA39630W07 TOC	1	69931	40mL	0.000	6.234	6.23	0.14		
2021-10-08	06:24 AM	CCV	1	63322	40mL	0.000	5.406	5.41	0.00	5.00	108.1%
2021-10-08	07:05 AM	211004C CCB	1	2585	40mL	0.000	0	0.00	0.00		
			1		40mL	0.000		#VALUE!	0.00		

Name of Final Standard TOC Calibration Curve — **Prep'd By (Initials)** EA

Prep Date 06/28/21

Exp Date 06/28/22

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)
Total Organic Carbon (TOC) Standard	Agilent	IQC-1 06-5	1000 mg/L	0006588597-51848	03/31/23	20 uL	40 mL	DI Water	0.5 ppm
Total Organic Carbon (TOC) Standard	Agilent	IQC-1 06-5	1000 mg/L	0006588597-51848	03/31/23	80 uL	40 mL	DI Water	2 ppm
Total Organic Carbon (TOC) Standard	Agilent	IQC-1 06-5	1000 mg/L	0006588597-51848	03/31/23	200 uL	40 mL	DI Water	5 ppm
Total Organic Carbon (TOC) Standard	Agilent	IQC-1 06-5	1000 mg/L	0006588597-51848	03/31/23	400 uL	40 mL	DI Water	10 ppm
Total Organic Carbon (TOC) Standard	Agilent	IQC-1 06-5	1000 mg/L	0006588597-51848	03/31/23	800 uL	40 mL	DI Water	20 ppm

Name of Final Standard ICV (TOC) — **Prep'd By (Initials)** EA

Prep Date 06/28/21

Exp Date 06/28/22

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)
1000 PPM ICV TOC Intermediate	APPL Inc.	IQC-106-5	1000 mg/L	0006465171-49409	06/30/21	400 uL	40mL	DI Water	10 ppm

Name of Final Standard CCV (TOC) — **Prep'd By (Initials)** EA

Prep Date See Data

Exp Date 1 year

Initial Standard Information						Final Standard Information			
Name of Initial Standard (from contianer Label)	Supplier	Supplier P/N# (or APPL Mix Name)	Conc.(range)	Lot # with QA # (or reference to APPL prep date)	Exp Date	Aliquot from Stock	Final Volume	Final Solvent + Lot# (or APPL Prep Date)	Final Standard Conc (range)
Total Organic Carbon (TOC) Standard	Agilent	IQC-106-5	1000 mg/L	0006588597-51848	03/31/23	200 uL	40 mL	DI Water	5 ppm

Name of Final Standard TOC_LCS/LCSD — **Prep'd By (Initials)** EA

Prep Date See Data

Exp Date 1 year

Initial Standard Information						Final Standard Information			
Name of Initial Standard (from contianer Label)	Supplier	Supplier P/N# (or APPL Mix Name)	Conc.(range)	Lot # with QA # (or reference to APPL prep date)	Exp Date	Aliquot from Stock	Final Volume	Final Solvent + Lot# (or APPL Prep Date)	Final Standard Conc (range)
Total Organic Carbon (TOC) Standard	Agilent	IQC-106-5	1000 mg/L	0006588597-51848	03/31/23	200 uL	40 mL	DI Water	5 ppm

Name of Final Standard TOC_MS/MSD — **Prep'd By (Initials)** EA

Prep Date See Data

Exp Date 1 year

Initial Standard Information						Final Standard Information			
Name of Initial Standard (from contianer Label)	Supplier	Supplier P/N# (or APPL Mix Name)	Conc.(range)	Lot # with QA # (or reference to APPL prep date)	Exp Date	Aliquot from Stock	Final Volume	Final Solvent + Lot# (or APPL Prep Date)	Final Standard Conc (range)
Total Organic Carbon (TOC) Standard	Agilent	IQC-106-5	1000 mg/L	0006588597-51848	03/31/23	200 uL	40 mL	sample	5 ppm