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

December 21, 2021

AECOM
1001 Bishop Street, Suite 1600
Honolulu, Hawaii 96813

Attn: Alethea Ramos

Title: Report of Data: Case 97943

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:

Three water samples were received October 21, 2021. Written results for the requested analyses are being provided on this December 21, 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 97943
TABLE OF CONTENTS

LABORATORY NAME: *APPL, Inc.*

CASE NARRATIVE

Case Narrative

ARF: 97943

Project: 60571032 CV18F0126 Red Hill Fuel Storage. HI

Sample Receipt Information:

Three water samples were received October 21, 2021 at 3.1°C. The sample group was assigned Analytical Request Form (ARF) number 97943.

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 sample was 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: Sample ERH1824 recovers the surrogate Ortho-terphenyl below the lower control limit. The client requested samples ERH1824, ERH1830, and ERH1833 were re-extracted. Both sets of data are reported.

EPA 8015B SGC: Samples ERH1824, ERH1830, and ERH1833 recover one or two surrogates below the lower recovery limit. The samples were re-extracted fourteen days after collection. Both sets of data are reported.

EPA 8015B Blank: The 211103A-Method blank and 211103A-LCS recover the surrogate Ortho-terphenyl below the lower control limit.

SDG	Received	Client ID	APPL ID	Collected DateTime	Matrix	Method	Method Description
97943	10/22/2021	ERH1823	BA44047	10/20/2021 9:20:00 AM	WATER	EPA 8260B	EPA 8260B BTEX WATER
97943	10/22/2021	ERH1823	BA44047	10/20/2021 9:20:00 AM	WATER	EPA 8260B	EPA 8260B GRO WATER
97943	10/22/2021	ERH1824	BA44048	10/20/2021 9:25:00 AM	WATER	EPA 8260B	EPA 8260B BTEX WATER
97943	10/22/2021	ERH1824	BA44048	10/20/2021 9:25:00 AM	WATER	EPA 8015B-eHL	EPA 8015B TPH WATER L-L SGC
97943	10/22/2021	ERH1824	BA44048	10/20/2021 9:25:00 AM	WATER	EPA 8015B-eHL	EPA 8015B TPHW SGC REEXTRACT
97943	10/22/2021	ERH1824	BA44048	10/20/2021 9:25:00 AM	WATER	EPA 8015B-eHL	EPA 8015B TPH LIQ-LIQ
97943	10/22/2021	ERH1824	BA44048	10/20/2021 9:25:00 AM	WATER	EPA 8015B-eHL	EPA 8015B TPH RE-EXTRACT
97943	10/22/2021	ERH1824	BA44048	10/20/2021 9:25:00 AM	WATER	EPA 8260B	EPA 8260B GRO WATER
97943	10/22/2021	ERH1824	BA44048	10/20/2021 9:25:00 AM	WATER	8270D-SIM	EPA 8270D SIM LIQ-LIQ
97943	10/22/2021	ERH1824	BA44048	10/20/2021 9:25:00 AM	WATER	SW846 9060A	9060A TOC
97943	10/22/2021	ERH1826	BA44049	10/20/2021 12:35:00 PM	WATER	EPA 8260B	EPA 8260B BTEX WATER
97943	10/22/2021	ERH1826	BA44049	10/20/2021 12:35:00 PM	WATER	EPA 8260B	EPA 8260B GRO WATER
97943	10/22/2021	ERH1827	BA44050	10/20/2021 12:43:00 PM	WATER	EPA 8260B	EPA 8260B BTEX WATER
97943	10/22/2021	ERH1827	BA44050	10/20/2021 12:43:00 PM	WATER	EPA 8015B-eHL	EPA 8015B TPH WATER L-L SGC
97943	10/22/2021	ERH1827	BA44050	10/20/2021 12:43:00 PM	WATER	EPA 8015B-eHL	EPA 8015B TPH LIQ-LIQ
97943	10/22/2021	ERH1827	BA44050	10/20/2021 12:43:00 PM	WATER	EPA 8260B	EPA 8260B GRO WATER
97943	10/22/2021	ERH1827	BA44050	10/20/2021 12:43:00 PM	WATER	8270D-SIM	EPA 8270D SIM LIQ-LIQ
97943	10/22/2021	ERH1827	BA44050	10/20/2021 12:43:00 PM	WATER	SW846 9060A	9060A TOC
97943	10/22/2021	ERH1829	BA44051	10/20/2021 2:15:00 PM	WATER	EPA 8260B	EPA 8260B BTEX WATER
97943	10/22/2021	ERH1829	BA44051	10/20/2021 2:15:00 PM	WATER	EPA 8260B	EPA 8260B GRO WATER
97943	10/22/2021	ERH1830	BA44052	10/20/2021 2:20:00 PM	WATER	EPA 8260B	EPA 8260B BTEX WATER
97943	10/22/2021	ERH1830	BA44052	10/20/2021 2:20:00 PM	WATER	EPA 8015B-eHL	EPA 8015B TPH WATER L-L SGC
97943	10/22/2021	ERH1830	BA44052	10/20/2021 2:20:00 PM	WATER	EPA 8015B-eHL	EPA 8015B TPHW SGC REEXTRACT
97943	10/22/2021	ERH1830	BA44052	10/20/2021 2:20:00 PM	WATER	EPA 8015B-eHL	EPA 8015B TPH LIQ-LIQ
97943	10/22/2021	ERH1830	BA44052	10/20/2021 2:20:00 PM	WATER	EPA 8015B-eHL	EPA 8015B TPH RE-EXTRACT
97943	10/22/2021	ERH1830	BA44052	10/20/2021 2:20:00 PM	WATER	EPA 8260B	EPA 8260B GRO WATER
97943	10/22/2021	ERH1830	BA44052	10/20/2021 2:20:00 PM	WATER	8270D-SIM	EPA 8270D SIM LIQ-LIQ
97943	10/22/2021	ERH1830	BA44052	10/20/2021 2:20:00 PM	WATER	SW846 9060A	9060A TOC
97943	10/22/2021	ERH1832	BA44053	10/20/2021 11:20:00 AM	WATER	EPA 8260B	EPA 8260B BTEX WATER
97943	10/22/2021	ERH1832	BA44053	10/20/2021 11:20:00 AM	WATER	EPA 8260B	EPA 8260B GRO WATER
97943	10/22/2021	ERH1833	BA44054	10/20/2021 11:30:00 AM	WATER	EPA 8260B	EPA 8260B BTEX WATER
97943	10/22/2021	ERH1833	BA44054	10/20/2021 11:30:00 AM	WATER	EPA 8015B-eHL	EPA 8015B TPH WATER L-L SGC
97943	10/22/2021	ERH1833	BA44054	10/20/2021 11:30:00 AM	WATER	EPA 8015B-eHL	EPA 8015B TPHW SGC REEXTRACT
97943	10/22/2021	ERH1833	BA44054	10/20/2021 11:30:00 AM	WATER	EPA 8015B-eHL	EPA 8015B TPH LIQ-LIQ
97943	10/22/2021	ERH1833	BA44054	10/20/2021 11:30:00 AM	WATER	EPA 8015B-eHL	EPA 8015B TPH RE-EXTRACT
97943	10/22/2021	ERH1833	BA44054	10/20/2021 11:30:00 AM	WATER	EPA 8260B	EPA 8260B GRO WATER

97943	10/22/2021	ERH1833	BA44054	10/20/2021	11:30:00 AM	WATER	8270D-SIM	EPA 8270D SIM LIQ-LIQ
97943	10/22/2021	ERH1833	BA44054	10/20/2021	11:30:00 AM	WATER	SW846 9060A	9060A TOC
97943	10/22/2021	ERH1824 BLANK	BA44055	10/20/2021	9:25:00 AM	WATER	EPA 8015B-eHL	EPA 8015B TPH LIQ-LIQ
97943	10/22/2021	ERH1824 BLANK	BA44055	10/20/2021	9:25:00 AM	WATER	EPA 8015B-eHL	EPA 8015B TPH LIQ-LIQ RE-EXTRACT
97943	10/22/2021	ERH1827 BLANK	BA44056	10/20/2021	12:43:00 PM	WATER	EPA 8015B-eHL	EPA 8015B TPH LIQ-LIQ
97943	10/22/2021	ERH1830 BLANK	BA44057	10/20/2021	2:20:00 PM	WATER	EPA 8015B-eHL	EPA 8015B TPH LIQ-LIQ
97943	10/22/2021	ERH1830 BLANK	BA44057	10/20/2021	2:20:00 PM	WATER	EPA 8015B-eHL	EPA 8015B TPH LIQ-LIQ RE-EXTRACT
97943	10/22/2021	ERH1833 BLANK	BA44058	10/20/2021	11:30:00 AM	WATER	EPA 8015B-eHL	EPA 8015B TPH LIQ-LIQ
97943	10/22/2021	ERH1833 BLANK	BA44058	10/20/2021	11:30:00 AM	WATER	EPA 8015B-eHL	EPA 8015B TPH LIQ-LIQ RE-EXTRACT

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

97943

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** # **50082**
RAD Screen (Y/N): **Y** pH (Y/N): **Y**
Turn Around Type: **1 WEEK**

Received by: **MSA**
Date Received: **10/22/21** Time: **09:45**
Delivered by: **FEDEX**
Shuttle Custody Seals (Y/N): **Y** Time Zone: **-10**
Chest Temp(s): **2.1,4.9°C**
Color: **VFRG/Receiving**
Samples Chilled until Placed in Refrig/Freezer: **Y**
Project Manager: **Libby Cheesebor**
QC Report Type: **DVP4DOD/EQUIS/HI**
Due Date: **10/29/21**

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

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

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

Charges:

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

	Client ID		APPL ID	Sampled		Analyses Requested
1.	ERH1823	LCSD	BA44047W	10/20/21	09:20	$86BTOTXDOD5W, $GASBL, $GRO86BW -- See Comments
2.	ERH1824	LCSD	BA44048W	10/20/21	09:25	$86BTOTXDOD5W, $DOC53SGCW5LIQ, $DOC53W5LIQ, $GASBL, $GRO86BW, $SIM53LIQ51, $TOCW53 -- See Comments
3.	ERH1826	LCSD	BA44049W	10/20/21	12:35	$86BTOTXDOD5W, $GASBL, $GRO86BW -- See Comments
4.	ERH1827	LCSD	BA44050W	10/20/21	12:43	$86BTOTXDOD5W, $DOC53SGCW5LIQ, $DOC53W5LIQ, $GASBL, $GRO86BW, $SIM53LIQ51, $TOCW53 -- See Comments

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

5.	ERH1829	LCSD BA44051W	10/20/21	14:15	$86BTOTXDOD5W, $GASBL, $GRO86BW -- See Comments
6.	ERH1830	LCSD BA44052W	10/20/21	14:20	$86BTOTXDOD5W, $DOC53SGCW5LIQ, $DOC53W5LIQ, $GASBL, $GRO86BW, $SIM53LIQ51, $TOCW53 -- See Comments
7.	ERH1832	LCSD BA44053W	10/20/21	11:20	$86BTOTXDOD5W, $GASBL, $GRO86BW -- See Comments
8.	ERH1833	LCSD BA44054W	10/20/21	11:30	$86BTOTXDOD5W, $DOC53SGCW5LIQ, $DOC53W5LIQ, $GASBL, $GRO86BW, $SIM53LIQ51, $TOCW53 -- See Comments
9.	ERH1824 BLANK	LCSD BA44055W	10/20/21	09:25	$RHBLKETBLK -- See Comments
10.	ERH1827 BLANK	LCSD BA44056W	10/20/21	12:43	$RHBLKETBLK -- See Comments
11.	ERH1830 BLANK	LCSD BA44057W	10/20/21	14:20	$RHBLKETBLK -- See Comments
12.	ERH1833 BLANK	LCSD BA44058W	10/20/21	11:30	$RHBLKETBLK -- See Comments

APPL Sample Receipt Form

ARF# **97943**

Sample	Container Type	Count	p
BA44047	[13] VOAs - HCL	4	NA
BA44048	[13] VOAs - HCL	4	NA
	[17] Amber Liter	2	NA
	[32] Clear VOA - H2SO4	2	NA
	[39] Amber Liter, HCL prsvd	2	1.3
BA44049	[13] VOAs - HCL	4	NA
BA44050	[13] VOAs - HCL	4	NA
	[17] Amber Liter	2	NA
	[32] Clear VOA - H2SO4	2	NA
	[39] Amber Liter, HCL prsvd	2	1.3
BA44051	[13] VOAs - HCL	4	NA
BA44052	[13] VOAs - HCL	4	NA
	[17] Amber Liter	2	NA
	[32] Clear VOA - H2SO4	2	NA
	[39] Amber Liter, HCL prsvd	2	1.6
BA44053	[13] VOAs - HCL	4	NA
BA44054	[13] VOAs - HCL	4	NA
	[17] Amber Liter	2	NA
	[32] Clear VOA - H2SO4	2	NA
	[39] Amber Liter, HCL prsvd	2	1.3
BA44055	[39] Amber Liter, HCL prsvd	1	NA
BA44056	[39] Amber Liter, HCL prsvd	1	NA
BA44057	[39] Amber Liter, HCL prsvd	1	NA
BA44058	[39] Amber Liter, HCL prsvd	1	NA

Sample	Container Type	Count	p

APPL LABS

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

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

CHAIN OF CUSTODY RECORD

97943

C.O.C. 50082 NOI

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

Project Name/Number	Sampler (Print)
60571032.02.20.01	GM, NL, CF
Purchase Order Number	**Sampler (Signature)**
102604	for GM, NL, CF

Sample Identification	Location	Date Collected	Time Collected	Time Zone	No. of Containers	Matrix: Aq	Matrix: Sed.	Matrix: Soil	BTEX by 8260	TPH-G by 8260	TPH-d/o 8015	TPH-d/o 8015	PAH Short List 8270D SIM	TOC by 9060	Analysis Requested/Method Number
ERH1823	Trip Blank	10/20/21	9:20	HST	0	X			X	X					
ERH1824	RHMW05		9:25		0	X			X	X	X	X	X*	X	
ERH1826	Trip Blank		12:35		4	X			X	X					
ERH1827	RHMW02		12:43		10	X			X	X	X	X	X*	X	
ERH1829	Trip Blank		14:15		4	X			X	X					
ERH1830	RHMW03		14:20		10	X			X	X	X	X	X*	X	
ERH1832	Trip Blank		11:20		0	X			X	X					
ERH1833	RHMW01R		11:30		0	X			X	X	X	X	X*	X	

Date Shipped: 10/21/21
Carrier: FedEx
Waybill No.:
Comments:

Note: Log NOI in separate SDG from other COCs

TPH-d/o and PAH's need liquid-liquid extraction;
*Naphthalene
1-methyl naphthalene
2-methyl naphthalene

Shuttle Temperature:	Turnaround Requested: Check one	Sample Disposal:
R3@4.0/2.1, IRB3.8/4.9°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: Tianzhen Nie	Date 10/21/21	Time 13:00	Received by:	Relinquished by:	Date 10-22-21	Time 945	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. 50083 NOI

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

Project Name/Number	Sampler (Print)
60571032.02.20.01	GM, NL, CF
Purchase Order Number	**Sampler (Signature)**
102604	for GM, NL, CF

Sample Identification	Location	Date Collected	Time Collected	Time Zone	No. of Containers	Matrix: Aq	Matrix: Sed.	Matrix: Soil	Analysis Requested/Method Number: BTEX by 8260	TPH-G by 8260	TPH-d/o 8015	TPH-d/o 8015 SGC	PAH Short List 8270D SIM	TOC by 9060	Date Shipped: 10/21/21
ERH1823	Trip Blank	10/20/21	9:20	HST	4	X			X	X					Carrier: FedEx
ERH1824	RHMW05		9:25		10	X			X	X	X	X	X*	X	Waybill No.:
ERH1826	Trip Blank		12:35		0	X			X	X					Comments:
ERH1827	RHMW02		12:43		0	X			X	X	X	X	X*	X	Note: Log NOI in separate SDG from other COC's
ERH1829	Trip Blank		14:15		0	X			X	X					TPH-d/o and PAHs need liquid-liquid extraction; *Naphthalene 1-methylnaphthalene 2-methylnaphthalene
ERH1830	RHMW03		14:20		0	X			X	X	X	X	X*	X	
ERH1832	Trip Blank		11:20		4	X			X	X					
ERH1833	RHMW01R		11:30		10	X			X	X	X	X	X*	X	

GM 10/21/21

Shuttle Temperature: ~~2.0/2.1~~

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: Tianzhen Nie	10/21/21	13:00	Received by:

Relinquished by:	Date	Time	Received at lab by:
Relinquished by:	10-22-21	945	

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

See reverse side for Container Preservative and Sampling Information

COOLER RECEIPT FORM **ARF: 97943**

1) Project: 60571032 CV18F0126 Red Hill Fuel Storage Date Received: 10/22/2021

2) Coolers: Number of Coolers: 2

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

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

5) Type of packing in cooler: 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, IRB CF +1.1°C

8) Cooler temp(s): In °C. Thermometer Temp / Corrected Temp
1: 4.0/2.1 2: 3.8/4.9 3: _____ 4: _____ 5: _____ 6: _____
7: _____ 8: _____ 9: _____ 10: _____ 11: _____ 12: _____

Chain of custody:

9) YES Was a chain of custody received?

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

Sample Labels:

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

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

Sample Containers:

13) YES Were all containers sealed in separate bags?

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

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

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

17) Yes Were bubbles present in volatile samples?
If yes, the following were received with air bubbles:
Larger than a pea: BA44054W04
Smaller than a pea: BA44048W04, BA44050W01,W02,W04,W05,W06, BA44052W01-W04, BA44054W06

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: _____
Lab notified if pH was not adequate: _____

Notes/Deficiencies:

CUSTODY SEAL LTM
APPL, Inc. (559) 275-2175
Initials: [illegible] Date 10/21/21

Personnel receiving samples: MS Second reviewer: MS
Personnel labeling samples: DH
Project manager notified: MS Date/Time of notification 10/22/2021
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: 97943

Sample ID: ERH1824

APPL ID: BA44048

Sample Collection Date: 10/20/21

QCG: #DOC53-211026A1-269792

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	10/26/21	10/30/21
EPA 8015B-e	OIL (C24-C40)	300.0 U	320	300.0	150.0	ug/L	10/26/21	10/30/21
EPA 8015B-e	SURROGATE: (R) DECANOIC ACID (S)	0.0	0-1			%	10/26/21	10/30/21
EPA 8015B-e	SURROGATE: OCTACOSANE (S)	58.9 #	60-142			%	10/26/21	10/30/21
EPA 8015B-e	SURROGATE: ORTHO-TERPHENYL (S)	47.4 #	56-125			%	10/26/21	10/30/21

= Recovery (or RPD) is outside QC limits.

Quant Method:	DEC0911.M
Run #:	1030023
Instrument:	Apollo
Sequence:	211030
Dilution Factor:	1
Initials:	KAB

Printed: 11/24/2021 1:24:59 PM

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

EPA 8015B TPHW SGC REEXTRACT

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: 97943

Sample ID: ERH1824

APPL ID: BA44048

Sample Collection Date: 10/20/21

QCG: #DOC53-211103A1-270940

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	11/03/21	11/08/21
EPA 8015B-e	OIL (C24-C40)	300.0 U	320	300.0	150.0	ug/L	11/03/21	11/08/21
EPA 8015B-e	SURROGATE: (R) DECANOIC ACID (S)	0.0	0-1			%	11/03/21	11/08/21
EPA 8015B-e	SURROGATE: OCTACOSANE (S)	72.5	60-142			%	11/03/21	11/08/21
EPA 8015B-e	SURROGATE: ORTHO-TERPHENYL (S)	58.0	56-125			%	11/03/21	11/08/21

Quant Method:	DEC0911.M
Run #:	1108022
Instrument:	Apollo
Sequence:	211108
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: 97943

Sample ID: ERH1824

APPL ID: BA44048

Sample Collection Date: 10/20/21

QCG: #DOC53-211026A-269782

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	10/26/21	10/31/21
EPA 8015B-e	OIL (C24-C40)	300.0 U	320	300.0	150.0	ug/L	10/26/21	10/31/21
EPA 8015B-e	SURROGATE: OCTACOSANE (S)	64.3	60-142			%	10/26/21	10/31/21
EPA 8015B-e	SURROGATE: ORTHO-TERPHENYL (S)	52.5 #	56-125			%	10/26/21	10/31/21

= Recovery (or RPD) is outside QC limits.

Quant Method:	DOC1028.M
Run #:	1030032
Instrument:	Apollo
Sequence:	211030
Dilution Factor:	1
Initials:	KAB

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

EPA 8015B TPH RE-EXTRACT

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: 97943

Sample ID: ERH1824

APPL ID: BA44048

Sample Collection Date: 10/20/21

QCG: #DOC53-211103A-270901

Method	Analyte	Result	LOQ	LOD	DL	Units	Extraction Date	Analysis Date
EPA 8015B-e	DIESEL (C10-C24)	150 J	320	300.0	150.0	ug/L	11/03/21	11/08/21
EPA 8015B-e	OIL (C24-C40)	250 J	320	300.0	150.0	ug/L	11/03/21	11/08/21
EPA 8015B-e	SURROGATE: OCTACOSANE (S)	80.6	60-142			%	11/03/21	11/08/21
EPA 8015B-e	SURROGATE: ORTHO-TERPHENYL (S)	65.5	56-125			%	11/03/21	11/08/21

J = Estimated value.

Quant Method:	DOC1028.M
Run #:	1108014
Instrument:	Apollo
Sequence:	211108
Dilution Factor:	1
Initials:	KAB

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

EPA 8015B TPH WATER L-L SGC

AECOM
1001 Bishop Street, Suite 1600
Honolulu, HI 96813

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 97943

Sample ID: ERH1827

APPL ID: BA44050

Sample Collection Date: 10/20/21

QCG: #DOC53-211026A1-269792

Method	Analyte	Result	LOQ	LOD	DL	Units	Extraction Date	Analysis Date
EPA 8015B-e	DIESEL (C10-C24)	430	320	300.0	150.0	ug/L	10/26/21	10/30/21
EPA 8015B-e	OIL (C24-C40)	300.0 U	320	300.0	150.0	ug/L	10/26/21	10/30/21
EPA 8015B-e	SURROGATE: (R) DECANOIC ACID (S)	0.0	0-1			%	10/26/21	10/30/21
EPA 8015B-e	SURROGATE: OCTACOSANE (S)	71.6	60-142			%	10/26/21	10/30/21
EPA 8015B-e	SURROGATE: ORTHO-TERPHENYL (S)	57.4	56-125			%	10/26/21	10/30/21

Quant Method: DEC0911.M
Run #: 1030024
Instrument: Apollo
Sequence: 211030
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: 97943

Sample ID: ERH1827

APPL ID: BA44050

Sample Collection Date: 10/20/21

QCG: #DOC53-211026A-269782

Method	Analyte	Result	LOQ	LOD	DL	Units	Extraction Date	Analysis Date
EPA 8015B-e	DIESEL (C10-C24)	2100	320	300.0	150.0	ug/L	10/26/21	10/31/21
EPA 8015B-e	OIL (C24-C40)	260 J	320	300.0	150.0	ug/L	10/26/21	10/31/21
EPA 8015B-e	SURROGATE: OCTACOSANE (S)	82.5	60-142			%	10/26/21	10/31/21
EPA 8015B-e	SURROGATE: ORTHO-TERPHENYL (S)	71.2	56-125			%	10/26/21	10/31/21

J = Estimated value.

Quant Method:	DOC1028.M
Run #:	1030033
Instrument:	Apollo
Sequence:	211030
Dilution Factor:	1
Initials:	KAB

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

EPA 8015B TPH WATER L-L SGC

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1001 Bishop Street, Suite 1600
Honolulu, HI 96813

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 97943

Sample ID: ERH1830

APPL ID: BA44052

Sample Collection Date: 10/20/21

QCG: #DOC53-211026A1-269792

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	10/26/21	10/30/21
EPA 8015B-e	OIL (C24-C40)	300.0 U	320	300.0	150.0	ug/L	10/26/21	10/30/21
EPA 8015B-e	SURROGATE: (R) DECANOIC ACID (S)	0.0	0-1			%	10/26/21	10/30/21
EPA 8015B-e	SURROGATE: OCTACOSANE (S)	67.8	60-142			%	10/26/21	10/30/21
EPA 8015B-e	SURROGATE: ORTHO-TERPHENYL (S)	54.2 #	56-125			%	10/26/21	10/30/21

= Recovery (or RPD) is outside QC limits.

Quant Method:	DEC0911.M
Run #:	1030025
Instrument:	Apollo
Sequence:	211030
Dilution Factor:	1
Initials:	KAB

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

EPA 8015B TPHW SGC REEXTRACT

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: 97943

Sample ID: ERH1830

APPL ID: BA44052

Sample Collection Date: 10/20/21

QCG: #DOC53-211103A1-270940

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	11/03/21	11/08/21
EPA 8015B-e	OIL (C24-C40)	300.0 U	320	300.0	150.0	ug/L	11/03/21	11/08/21
EPA 8015B-e	SURROGATE: (R) DECANOIC ACID (S)	0.0	0-1			%	11/03/21	11/08/21
EPA 8015B-e	SURROGATE: OCTACOSANE (S)	77.6	60-142			%	11/03/21	11/08/21
EPA 8015B-e	SURROGATE: ORTHO-TERPHENYL (S)	61.3	56-125			%	11/03/21	11/08/21

Quant Method: DEC0911.M
Run #: 1108023
Instrument: Apollo
Sequence: 211108
Dilution Factor: 1
Initials: KAB

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

EPA 8015B TPH LIQ-LIQ

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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: 97943

Sample ID: ERH1830

APPL ID: BA44052

Sample Collection Date: 10/20/21

QCG: #DOC53-211026A-269782

Method	Analyte	Result	LOQ	LOD	DL	Units	Extraction Date	Analysis Date
EPA 8015B-e	DIESEL (C10-C24)	180 J	320	300.0	150.0	ug/L	10/26/21	10/31/21
EPA 8015B-e	OIL (C24-C40)	260 J	320	300.0	150.0	ug/L	10/26/21	10/31/21
EPA 8015B-e	SURROGATE: OCTACOSANE (S)	83.7	60-142			%	10/26/21	10/31/21
EPA 8015B-e	SURROGATE: ORTHO-TERPHENYL (S)	66.8	56-125			%	10/26/21	10/31/21

J = Estimated value.

Quant Method:	DOC1028.M
Run #:	1030034
Instrument:	Apollo
Sequence:	211030
Dilution Factor:	1
Initials:	KAB

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

EPA 8015B TPH RE-EXTRACT

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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: 97943

Sample ID: ERH1830

APPL ID: BA44052

Sample Collection Date: 10/20/21

QCG: #DOC53-211103A-270901

Method	Analyte	Result	LOQ	LOD	DL	Units	Extraction Date	Analysis Date
EPA 8015B-e	DIESEL (C10-C24)	270 J	320	300.0	150.0	ug/L	11/03/21	11/08/21
EPA 8015B-e	OIL (C24-C40)	410	320	300.0	150.0	ug/L	11/03/21	11/08/21
EPA 8015B-e	SURROGATE: OCTACOSANE (S)	87.4	60-142			%	11/03/21	11/08/21
EPA 8015B-e	SURROGATE: ORTHO-TERPHENYL (S)	70.2	56-125			%	11/03/21	11/08/21

J = Estimated value.

Quant Method:	DOC1028.M
Run #:	1108015
Instrument:	Apollo
Sequence:	211108
Dilution Factor:	1
Initials:	KAB

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

EPA 8015B TPH WATER L-L SGC

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Honolulu, HI 96813

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 97943

Sample ID: ERH1833

APPL ID: BA44054

Sample Collection Date: 10/20/21

QCG: #DOC53-211026A1-269792

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	10/26/21	10/30/21
EPA 8015B-e	OIL (C24-C40)	300.0 U	320	300.0	150.0	ug/L	10/26/21	10/30/21
EPA 8015B-e	SURROGATE: (R) DECANOIC ACID (S)	0.0	0-1			%	10/26/21	10/30/21
EPA 8015B-e	SURROGATE: OCTACOSANE (S)	48.7 #	60-142			%	10/26/21	10/30/21
EPA 8015B-e	SURROGATE: ORTHO-TERPHENYL (S)	38.7 #	56-125			%	10/26/21	10/30/21

= Recovery (or RPD) is outside QC limits.

Quant Method:	DEC0911.M
Run #:	1030026
Instrument:	Apollo
Sequence:	211030
Dilution Factor:	1
Initials:	KAB

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

EPA 8015B TPHW SGC REEXTRACT

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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: 97943

Sample ID: ERH1833

APPL ID: BA44054

Sample Collection Date: 10/20/21

QCG: #DOC53-211103A1-270940

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	11/03/21	11/08/21
EPA 8015B-e	OIL (C24-C40)	300.0 U	320	300.0	150.0	ug/L	11/03/21	11/08/21
EPA 8015B-e	SURROGATE: (R) DECANOIC ACID (S)	0.0	0-1			%	11/03/21	11/08/21
EPA 8015B-e	SURROGATE: OCTACOSANE (S)	74.4	60-142			%	11/03/21	11/08/21
EPA 8015B-e	SURROGATE: ORTHO-TERPHENYL (S)	59.2	56-125			%	11/03/21	11/08/21

Quant Method:	DEC0911.M
Run #:	1108024
Instrument:	Apollo
Sequence:	211108
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: 97943

Sample ID: ERH1833

APPL ID: BA44054

Sample Collection Date: 10/20/21

QCG: #DOC53-211026A-269782

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	10/26/21	10/31/21
EPA 8015B-e	OIL (C24-C40)	160 J	320	300.0	150.0	ug/L	10/26/21	10/31/21
EPA 8015B-e	SURROGATE: OCTACOSANE (S)	72.3	60-142			%	10/26/21	10/31/21
EPA 8015B-e	SURROGATE: ORTHO-TERPHENYL (S)	57.7	56-125			%	10/26/21	10/31/21

J = Estimated value.

Quant Method:	DOC1028.M
Run #:	1030035
Instrument:	Apollo
Sequence:	211030
Dilution Factor:	1
Initials:	KAB

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

EPA 8015B TPH RE-EXTRACT

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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: 97943

Sample ID: ERH1833

APPL ID: BA44054

Sample Collection Date: 10/20/21

QCG: #DOC53-211103A-270901

Method	Analyte	Result	LOQ	LOD	DL	Units	Extraction Date	Analysis Date
EPA 8015B-e	DIESEL (C10-C24)	550	320	300.0	150.0	ug/L	11/03/21	11/08/21
EPA 8015B-e	OIL (C24-C40)	290 J	320	300.0	150.0	ug/L	11/03/21	11/08/21
EPA 8015B-e	SURROGATE: OCTACOSANE (S)	88.7	60-142			%	11/03/21	11/08/21
EPA 8015B-e	SURROGATE: ORTHO-TERPHENYL (S)	72.6	56-125			%	11/03/21	11/08/21

J = Estimated value.

Quant Method:	DOC1028.M
Run #:	1108016
Instrument:	Apollo
Sequence:	211108
Dilution Factor:	1
Initials:	KAB

Printed: 11/24/2021 1:24:59 PM

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

EPA 8015B TPH LIQ-LIQ

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1001 Bishop Street, Suite 1600
Honolulu, HI 96813

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 97943

Sample ID: ERH1824 BLANK

APPL ID: BA44055

Sample Collection Date: 10/20/21

QCG: #RHBLK-211025A-269769

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	10/25/21	10/29/21
EPA 8015B-e	OIL (C24-C40)	300.0 U	320	300.0	150.0	ug/L	10/25/21	10/29/21
EPA 8015B-e	SURROGATE: OCTACOSANE (S)	95.6	60-142			%	10/25/21	10/29/21
EPA 8015B-e	SURROGATE: ORTHO-TERPHENYL (S)	79.4	56-125			%	10/25/21	10/29/21

Quant Method:	DOC1028.M
Run #:	1028047
Instrument:	Apollo
Sequence:	211028
Dilution Factor:	1
Initials:	KAB

Printed: 11/24/2021 1:24:59 PM

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

EPA 8015B TPH LIQ-LIQ RE-EXTRACT

AECOM
1001 Bishop Street, Suite 1600
Honolulu, HI 96813

Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

Sample ID: ERH1824 BLANK

Sample Collection Date: 10/20/21

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

ARF: 97943

APPL ID: BA44055

QCG: #RHBLK-211103A-270938

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	11/03/21	11/06/21
EPA 8015B-e	OIL (C24-C40)	300.0 U	320	300.0	150.0	ug/L	11/03/21	11/06/21
EPA 8015B-e	SURROGATE: OCTACOSANE (S)	80.6	60-142			%	11/03/21	11/06/21
EPA 8015B-e	SURROGATE: ORTHO-TERPHENYL (S)	65.9	56-125			%	11/03/21	11/06/21

Quant Method:	DOC1028.M
Run #:	1104114
Instrument:	Apollo
Sequence:	211104
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: 97943

Sample ID: ERH1827 BLANK

APPL ID: BA44056

Sample Collection Date: 10/20/21

QCG: #RHBLK-211025A-269769

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	10/25/21	10/29/21
EPA 8015B-e	OIL (C24-C40)	300.0 U	320	300.0	150.0	ug/L	10/25/21	10/29/21
EPA 8015B-e	SURROGATE: OCTACOSANE (S)	78.7	60-142			%	10/25/21	10/29/21
EPA 8015B-e	SURROGATE: ORTHO-TERPHENYL (S)	65.7	56-125			%	10/25/21	10/29/21

Quant Method:	DOC1028.M
Run #:	1028048
Instrument:	Apollo
Sequence:	211028
Dilution Factor:	1
Initials:	KAB

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

EPA 8015B TPH LIQ-LIQ

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APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 97943

Sample ID: ERH1830 BLANK

APPL ID: BA44057

Sample Collection Date: 10/20/21

QCG: #RHBLK-211025A-269769

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	10/25/21	10/29/21
EPA 8015B-e	OIL (C24-C40)	300.0 U	320	300.0	150.0	ug/L	10/25/21	10/29/21
EPA 8015B-e	SURROGATE: OCTACOSANE (S)	91.4	60-142			%	10/25/21	10/29/21
EPA 8015B-e	SURROGATE: ORTHO-TERPHENYL (S)	75.9	56-125			%	10/25/21	10/29/21

Quant Method:	DOC1028.M
Run #:	1028049
Instrument:	Apollo
Sequence:	211028
Dilution Factor:	1
Initials:	KAB

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

EPA 8015B TPH LIQ-LIQ RE-EXTRACT

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Honolulu, HI 96813

Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

Sample ID: ERH1830 BLANK

Sample Collection Date: 10/20/21

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

ARF: 97943

APPL ID: BA44057

QCG: #RHBLK-211103A-270938

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	11/03/21	11/06/21
EPA 8015B-e	OIL (C24-C40)	300.0 U	320	300.0	150.0	ug/L	11/03/21	11/06/21
EPA 8015B-e	SURROGATE: OCTACOSANE (S)	81.9	60-142			%	11/03/21	11/06/21
EPA 8015B-e	SURROGATE: ORTHO-TERPHENYL (S)	66.7	56-125			%	11/03/21	11/06/21

Quant Method:	DOC1028.M
Run #:	1104115
Instrument:	Apollo
Sequence:	211104
Dilution Factor:	1
Initials:	KAB

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

EPA 8015B TPH LIQ-LIQ

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APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 97943

Sample ID: ERH1833 BLANK

APPL ID: BA44058

Sample Collection Date: 10/20/21

QCG: #RHBLK-211025A-269769

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	10/25/21	10/29/21
EPA 8015B-e	OIL (C24-C40)	160 J	320	300.0	150.0	ug/L	10/25/21	10/29/21
EPA 8015B-e	SURROGATE: OCTACOSANE (S)	98.0	60-142			%	10/25/21	10/29/21
EPA 8015B-e	SURROGATE: ORTHO-TERPHENYL (S)	81.4	56-125			%	10/25/21	10/29/21

J = Estimated value.

Quant Method:	DOC1028.M
Run #:	1028050
Instrument:	Apollo
Sequence:	211028
Dilution Factor:	1
Initials:	KAB

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

EPA 8015B TPH LIQ-LIQ RE-EXTRACT

AECOM
1001 Bishop Street, Suite 1600
Honolulu, HI 96813

Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

Sample ID: ERH1833 BLANK

Sample Collection Date: 10/20/21

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

ARF: 97943

APPL ID: BA44058

QCG: #RHBLK-211103A-270938

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	11/03/21	11/06/21
EPA 8015B-e	OIL (C24-C40)	150 J	320	300.0	150.0	ug/L	11/03/21	11/06/21
EPA 8015B-e	SURROGATE: OCTACOSANE (S)	92.9	60-142			%	11/03/21	11/06/21
EPA 8015B-e	SURROGATE: ORTHO-TERPHENYL (S)	76.2	56-125			%	11/03/21	11/06/21

J = Estimated value.

Quant Method:	DOC1028.M
Run #:	1104116
Instrument:	Apollo
Sequence:	211104
Dilution Factor:	1
Initials:	KAB

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

EPA 8270D SIM LIQ-LIQ

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APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 97943

Sample ID: ERH1824

APPL ID: BA44048

Sample Collection Date: 10/20/21

QCG: #SIM53-211026AK-270554

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	10/26/21	11/02/21
8270D-SIM	2-METHYLNAPHTHALENE	0.10 U	0.2	0.10	0.04	ug/L	10/26/21	11/02/21
8270D-SIM	NAPHTHALENE	0.10 U	0.2	0.10	0.04	ug/L	10/26/21	11/02/21
8270D-SIM	SURROGATE: 2-METHYLNAPHTHALEN	110	39-114			%	10/26/21	11/02/21
8270D-SIM	SURROGATE: FLUORANTHENE-D10 (S	89.1	58-120			%	10/26/21	11/02/21

Quant Method: K1019.M
Run #: 1019K219
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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APPL Inc.
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Clovis, CA 93611

Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 97943

Sample ID: ERH1827

APPL ID: BA44050

Sample Collection Date: 10/20/21

QCG: #SIM53-211026AK-270554

Method	Analyte	Result	LOQ	LOD	DL	Units	Extraction Date	Analysis Date
8270D-SIM	1-METHYLNAPHTHALENE	36	0.2	0.10	0.04	ug/L	10/26/21	11/09/21
8270D-SIM	2-METHYLNAPHTHALENE	34	0.2	0.10	0.04	ug/L	10/26/21	11/09/21
8270D-SIM	NAPHTHALENE	51	0.2	0.10	0.04	ug/L	10/26/21	11/09/21
8270D-SIM	SURROGATE: 2-METHYLNAPHTHALEN	91.9	39-114			%	10/26/21	11/09/21
8270D-SIM	SURROGATE: FLUORANTHENE-D10 (S	63.6	58-120			%	10/26/21	11/09/21

Quant Method: K1019.M
Run #: 1019K359
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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APPL Inc.
908 North Temperance Avenue
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Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 97943

Sample ID: ERH1830

APPL ID: BA44052

Sample Collection Date: 10/20/21

QCG: #SIM53-211026AK-270554

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	10/26/21	11/02/21
8270D-SIM	2-METHYLNAPHTHALENE	0.10 U	0.2	0.10	0.04	ug/L	10/26/21	11/02/21
8270D-SIM	NAPHTHALENE	0.10 U	0.2	0.10	0.04	ug/L	10/26/21	11/02/21
8270D-SIM	SURROGATE: 2-METHYLNAPHTHALEN	87.1	39-114			%	10/26/21	11/02/21
8270D-SIM	SURROGATE: FLUORANTHENE-D10 (S	68.4	58-120			%	10/26/21	11/02/21

Quant Method: K1019.M
Run #: 1019K221
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: 97943

Sample ID: ERH1833

APPL ID: BA44054

Sample Collection Date: 10/20/21

QCG: #SIM53-211026AK-270554

Method	Analyte	Result	LOQ	LOD	DL	Units	Extraction Date	Analysis Date
8270D-SIM	1-METHYLNAPHTHALENE	0.16 J	0.2	0.10	0.04	ug/L	10/26/21	11/09/21
8270D-SIM	2-METHYLNAPHTHALENE	0.10 U	0.2	0.10	0.04	ug/L	10/26/21	11/09/21
8270D-SIM	NAPHTHALENE	0.10 U	0.2	0.10	0.04	ug/L	10/26/21	11/09/21
8270D-SIM	SURROGATE: 2-METHYLNAPHTHALEN	87.7	39-114			%	10/26/21	11/09/21
8270D-SIM	SURROGATE: FLUORANTHENE-D10 (S	74.7	58-120			%	10/26/21	11/09/21

J = Estimated value.

Quant Method:	K1019.M
Run #:	1019K360
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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Honolulu, HI 96813

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 97943

Sample ID: ERH1823

APPL ID: BA44047

Sample Collection Date: 10/20/21

QCG: #86BTO-211026BM-269592

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	10/27/21	10/27/21
EPA 8260B	ETHYLBENZENE	0.50 U	1.0	0.50	0.23	ug/L	10/27/21	10/27/21
EPA 8260B	TOLUENE	0.30 U	1.0	0.30	0.15	ug/L	10/27/21	10/27/21
EPA 8260B	XYLENES (TOTAL)	0.30 U	2.0	0.30	0.15	ug/L	10/27/21	10/27/21
EPA 8260B	SURROGATE: 1,2-DICHLOROETHANE-	103	81-118			%	10/27/21	10/27/21
EPA 8260B	SURROGATE: 4-BROMOFLUOROBENZ	98.2	85-114			%	10/27/21	10/27/21
EPA 8260B	SURROGATE: DIBROMOFLUOROMETH	101	80-119			%	10/27/21	10/27/21
EPA 8260B	SURROGATE: TOLUENE-D8 (S)	101	89-112			%	10/27/21	10/27/21

Quant Method: M1015W.M
Run #: 1026M37
Instrument: Max
Sequence: 211015
Dilution Factor: 1
Initials: PAN

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

EPA 8260B BTEX WATER

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Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 97943

Sample ID: ERH1824

APPL ID: BA44048

Sample Collection Date: 10/20/21

QCG: #86BTO-211026BM-269592

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	10/27/21	10/27/21
EPA 8260B	ETHYLBENZENE	0.50 U	1.0	0.50	0.23	ug/L	10/27/21	10/27/21
EPA 8260B	TOLUENE	0.30 U	1.0	0.30	0.15	ug/L	10/27/21	10/27/21
EPA 8260B	XYLENES (TOTAL)	0.30 U	2.0	0.30	0.15	ug/L	10/27/21	10/27/21
EPA 8260B	SURROGATE: 1,2-DICHLOROETHANE-	96.1	81-118			%	10/27/21	10/27/21
EPA 8260B	SURROGATE: 4-BROMOFLUOROBENZ	94.9	85-114			%	10/27/21	10/27/21
EPA 8260B	SURROGATE: DIBROMOFLUOROMETH	102	80-119			%	10/27/21	10/27/21
EPA 8260B	SURROGATE: TOLUENE-D8 (S)	99.0	89-112			%	10/27/21	10/27/21

Quant Method:	M1015W.M
Run #:	1026M38
Instrument:	Max
Sequence:	211015
Dilution Factor:	1
Initials:	PAN

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

EPA 8260B BTEX WATER

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APPL Inc.
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Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 97943

Sample ID: ERH1826

APPL ID: BA44049

Sample Collection Date: 10/20/21

QCG: #86BTO-211026BM-269592

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	10/27/21	10/27/21
EPA 8260B	ETHYLBENZENE	0.50 U	1.0	0.50	0.23	ug/L	10/27/21	10/27/21
EPA 8260B	TOLUENE	0.30 U	1.0	0.30	0.15	ug/L	10/27/21	10/27/21
EPA 8260B	XYLENES (TOTAL)	0.30 U	2.0	0.30	0.15	ug/L	10/27/21	10/27/21
EPA 8260B	SURROGATE: 1,2-DICHLOROETHANE-	99.6	81-118			%	10/27/21	10/27/21
EPA 8260B	SURROGATE: 4-BROMOFLUOROBENZ	98.5	85-114			%	10/27/21	10/27/21
EPA 8260B	SURROGATE: DIBROMOFLUOROMETH	103	80-119			%	10/27/21	10/27/21
EPA 8260B	SURROGATE: TOLUENE-D8 (S)	102	89-112			%	10/27/21	10/27/21

Quant Method:	M1015W.M
Run #:	1026M39
Instrument:	Max
Sequence:	211015
Dilution Factor:	1
Initials:	PAN

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

EPA 8260B BTEX WATER

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Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 97943

Sample ID: ERH1827

APPL ID: BA44050

Sample Collection Date: 10/20/21

QCG: #86BTO-211026BM-269592

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	10/27/21	10/27/21
EPA 8260B	ETHYLBENZENE	0.27 J	1.0	0.50	0.23	ug/L	10/27/21	10/27/21
EPA 8260B	TOLUENE	0.30 U	1.0	0.30	0.15	ug/L	10/27/21	10/27/21
EPA 8260B	XYLENES (TOTAL)	0.47 J	2.0	0.30	0.15	ug/L	10/27/21	10/27/21
EPA 8260B	SURROGATE: 1,2-DICHLOROETHANE-	95.4	81-118			%	10/27/21	10/27/21
EPA 8260B	SURROGATE: 4-BROMOFLUOROBENZ	99.6	85-114			%	10/27/21	10/27/21
EPA 8260B	SURROGATE: DIBROMOFLUOROMETH	97.4	80-119			%	10/27/21	10/27/21
EPA 8260B	SURROGATE: TOLUENE-D8 (S)	98.4	89-112			%	10/27/21	10/27/21

J = Estimated value.

Quant Method:	M1015W.M
Run #:	1026M40
Instrument:	Max
Sequence:	211015
Dilution Factor:	1
Initials:	PAN

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

EPA 8260B BTEX WATER

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908 North Temperance Avenue
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Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 97943

Sample ID: ERH1829

APPL ID: BA44051

Sample Collection Date: 10/20/21

QCG: #86BTO-211026BM-269592

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	10/27/21	10/27/21
EPA 8260B	ETHYLBENZENE	0.50 U	1.0	0.50	0.23	ug/L	10/27/21	10/27/21
EPA 8260B	TOLUENE	0.30 U	1.0	0.30	0.15	ug/L	10/27/21	10/27/21
EPA 8260B	XYLENES (TOTAL)	0.30 U	2.0	0.30	0.15	ug/L	10/27/21	10/27/21
EPA 8260B	SURROGATE: 1,2-DICHLOROETHANE-	101	81-118			%	10/27/21	10/27/21
EPA 8260B	SURROGATE: 4-BROMOFLUOROBENZ	98.6	85-114			%	10/27/21	10/27/21
EPA 8260B	SURROGATE: DIBROMOFLUOROMETH	103	80-119			%	10/27/21	10/27/21
EPA 8260B	SURROGATE: TOLUENE-D8 (S)	103	89-112			%	10/27/21	10/27/21

Quant Method: M1015W.M
Run #: 1026M41
Instrument: Max
Sequence: 211015
Dilution Factor: 1
Initials: PAN

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

EPA 8260B BTEX WATER

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

Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 97943

Sample ID: ERH1830

APPL ID: BA44052

Sample Collection Date: 10/20/21

QCG: #86BTO-211026BM-269592

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	10/27/21	10/27/21
EPA 8260B	ETHYLBENZENE	0.50 U	1.0	0.50	0.23	ug/L	10/27/21	10/27/21
EPA 8260B	TOLUENE	0.30 U	1.0	0.30	0.15	ug/L	10/27/21	10/27/21
EPA 8260B	XYLENES (TOTAL)	0.30 U	2.0	0.30	0.15	ug/L	10/27/21	10/27/21
EPA 8260B	SURROGATE: 1,2-DICHLOROETHANE-	95.4	81-118			%	10/27/21	10/27/21
EPA 8260B	SURROGATE: 4-BROMOFLUOROBENZ	98.3	85-114			%	10/27/21	10/27/21
EPA 8260B	SURROGATE: DIBROMOFLUOROMETH	98.5	80-119			%	10/27/21	10/27/21
EPA 8260B	SURROGATE: TOLUENE-D8 (S)	100	89-112			%	10/27/21	10/27/21

Quant Method: M1015W.M
Run #: 1026M42
Instrument: Max
Sequence: 211015
Dilution Factor: 1
Initials: PAN

Printed: 10/29/2021 5:10:17 AM

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

EPA 8260B BTEX WATER

AECOM
1001 Bishop Street, Suite 1600
Honolulu, HI 96813

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 97943

Sample ID: ERH1832

APPL ID: BA44053

Sample Collection Date: 10/20/21

QCG: #86BTO-211026BM-269592

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	10/27/21	10/27/21
EPA 8260B	ETHYLBENZENE	0.50 U	1.0	0.50	0.23	ug/L	10/27/21	10/27/21
EPA 8260B	TOLUENE	0.30 U	1.0	0.30	0.15	ug/L	10/27/21	10/27/21
EPA 8260B	XYLENES (TOTAL)	0.30 U	2.0	0.30	0.15	ug/L	10/27/21	10/27/21
EPA 8260B	SURROGATE: 1,2-DICHLOROETHANE-	93.9	81-118			%	10/27/21	10/27/21
EPA 8260B	SURROGATE: 4-BROMOFLUOROBENZ	97.9	85-114			%	10/27/21	10/27/21
EPA 8260B	SURROGATE: DIBROMOFLUOROMETH	99.1	80-119			%	10/27/21	10/27/21
EPA 8260B	SURROGATE: TOLUENE-D8 (S)	100	89-112			%	10/27/21	10/27/21

Quant Method:	M1015W.M
Run #:	1026M43
Instrument:	Max
Sequence:	211015
Dilution Factor:	1
Initials:	PAN

Printed: 10/29/2021 5:10:17 AM

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

EPA 8260B BTEX WATER

AECOM
1001 Bishop Street, Suite 1600
Honolulu, HI 96813

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 97943

Sample ID: ERH1833

APPL ID: BA44054

Sample Collection Date: 10/20/21

QCG: #86BTO-211026BM-269592

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	10/27/21	10/27/21
EPA 8260B	ETHYLBENZENE	0.50 U	1.0	0.50	0.23	ug/L	10/27/21	10/27/21
EPA 8260B	TOLUENE	0.30 U	1.0	0.30	0.15	ug/L	10/27/21	10/27/21
EPA 8260B	XYLENES (TOTAL)	0.30 U	2.0	0.30	0.15	ug/L	10/27/21	10/27/21
EPA 8260B	SURROGATE: 1,2-DICHLOROETHANE-	94.9	81-118			%	10/27/21	10/27/21
EPA 8260B	SURROGATE: 4-BROMOFLUOROBENZ	95.8	85-114			%	10/27/21	10/27/21
EPA 8260B	SURROGATE: DIBROMOFLUOROMETH	96.0	80-119			%	10/27/21	10/27/21
EPA 8260B	SURROGATE: TOLUENE-D8 (S)	101	89-112			%	10/27/21	10/27/21

Quant Method:	M1015W.M
Run #:	1026M44
Instrument:	Max
Sequence:	211015
Dilution Factor:	1
Initials:	PAN

Printed: 10/29/2021 5:10:17 AM

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

EPA 8260B GRO WATER

AECOM
1001 Bishop Street, Suite 1600
Honolulu, HI 96813

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 97943

Sample ID: ERH1823

APPL ID: BA44047

Sample Collection Date: 10/20/21

QCG: #GRO86-211026BM-269634

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	10/27/21	10/27/21
EPA 8260B	SURROGATE: 4-BROMOFLUOROBENZ	99.7	85-114			%	10/27/21	10/27/21

Quant Method:	M0825SUR.M
Run #:	1026M37
Instrument:	Max
Sequence:	211015
Dilution Factor:	1
Initials:	DA

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

EPA 8260B GRO WATER

AECOM
1001 Bishop Street, Suite 1600
Honolulu, HI 96813

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 97943

Sample ID: ERH1824

APPL ID: BA44048

Sample Collection Date: 10/20/21

QCG: #GRO86-211026BM-269634

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	10/27/21	10/27/21
EPA 8260B	SURROGATE: 4-BROMOFLUOROBENZ	96.3	85-114			%	10/27/21	10/27/21

Quant Method:	M0825SUR.M
Run #:	1026M38
Instrument:	Max
Sequence:	211015
Dilution Factor:	1
Initials:	DA

Printed: 11/30/2021 1:55:31 PM

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

EPA 8260B GRO WATER

AECOM
1001 Bishop Street, Suite 1600
Honolulu, HI 96813

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 97943

Sample ID: ERH1826

APPL ID: BA44049

Sample Collection Date: 10/20/21

QCG: #GRO86-211026BM-269634

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	10/27/21	10/27/21
EPA 8260B	SURROGATE: 4-BROMOFLUOROBENZ	99.9	85-114			%	10/27/21	10/27/21

Quant Method:	M0825SUR.M
Run #:	1026M39
Instrument:	Max
Sequence:	211015
Dilution Factor:	1
Initials:	DA

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

EPA 8260B GRO WATER

AECOM
1001 Bishop Street, Suite 1600
Honolulu, HI 96813

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 97943

Sample ID: ERH1827

APPL ID: BA44050

Sample Collection Date: 10/20/21

QCG: #GRO86-211026BM-269634

Method	Analyte	Result	LOQ	LOD	DL	Units	Extraction Date	Analysis Date
EPA 8260B	GASOLINE RANGE ORGANICS	130	20	18.0	8.6	ug/L	10/27/21	10/27/21
EPA 8260B	SURROGATE: 4-BROMOFLUOROBENZ	101	85-114			%	10/27/21	10/27/21

Quant Method:	M0825SUR.M
Run #:	1026M40
Instrument:	Max
Sequence:	211015
Dilution Factor:	1
Initials:	DA

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

EPA 8260B GRO WATER

AECOM
1001 Bishop Street, Suite 1600
Honolulu, HI 96813

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 97943

Sample ID: ERH1829

APPL ID: BA44051

Sample Collection Date: 10/20/21

QCG: #GRO86-211026BM-269634

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	10/27/21	10/27/21
EPA 8260B	SURROGATE: 4-BROMOFLUOROBENZ	100	85-114			%	10/27/21	10/27/21

Quant Method:	M0825SUR.M
Run #:	1026M41
Instrument:	Max
Sequence:	211015
Dilution Factor:	1
Initials:	DA

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

EPA 8260B GRO WATER

AECOM
1001 Bishop Street, Suite 1600
Honolulu, HI 96813

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 97943

Sample ID: ERH1830

APPL ID: BA44052

Sample Collection Date: 10/20/21

QCG: #GRO86-211026BM-269634

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	10/27/21	10/27/21
EPA 8260B	SURROGATE: 4-BROMOFLUOROBENZ	99.7	85-114			%	10/27/21	10/27/21

Quant Method:	M0825SUR.M
Run #:	1026M42
Instrument:	Max
Sequence:	211015
Dilution Factor:	1
Initials:	DA

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

EPA 8260B GRO WATER

AECOM
1001 Bishop Street, Suite 1600
Honolulu, HI 96813

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 97943

Sample ID: ERH1832

APPL ID: BA44053

Sample Collection Date: 10/20/21

QCG: #GRO86-211026BM-269634

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	10/27/21	10/27/21
EPA 8260B	SURROGATE: 4-BROMOFLUOROBENZ	99.4	85-114			%	10/27/21	10/27/21

Quant Method:	M0825SUR.M
Run #:	1026M43
Instrument:	Max
Sequence:	211015
Dilution Factor:	1
Initials:	DA

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

EPA 8260B GRO WATER

AECOM
1001 Bishop Street, Suite 1600
Honolulu, HI 96813

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 97943

Sample ID: ERH1833

APPL ID: BA44054

Sample Collection Date: 10/20/21

QCG: #GRO86-211026BM-269634

Method	Analyte	Result	LOQ	LOD	DL	Units	Extraction Date	Analysis Date
EPA 8260B	GASOLINE RANGE ORGANICS	22	20	18.0	8.6	ug/L	10/27/21	10/27/21
EPA 8260B	SURROGATE: 4-BROMOFLUOROBENZ	97.2	85-114			%	10/27/21	10/27/21

Quant Method:	M0825SUR.M
Run #:	1026M44
Instrument:	Max
Sequence:	211015
Dilution Factor:	1
Initials:	DA

Printed: 11/30/2021 1:55:31 PM

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

Wet Lab Analysis

AECOM
1001 Bishop Street, Suite 1600
Honolulu, HI 96813

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

Sample ID: ERH1824

APPL ID: BA44048

Sample Collection Date: 10/20/2021

ARF: 97943

Method	Analyte	Result	LOQ	LOD	DL	Units	DF	Prep Date	Analysis Date
SW846 9060A	TOTAL ORGANIC CARBON	0.28 J	0.93	0.350	0.130	mg/L	1	10/28/21	10/28/21

J = Estimated value.

Printed: 11/11/2021 1:57:58 PM

APPL-F1-SC-NoMC-REG MDLs

Wet Lab Analysis

AECOM
1001 Bishop Street, Suite 1600
Honolulu, HI 96813

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

Sample ID: ERH1827

APPL ID: BA44050

Sample Collection Date: 10/20/2021

ARF: 97943

Method	Analyte	Result	LOQ	LOD	DL	Units	DF	Prep Date	Analysis Date
SW846 9060A	TOTAL ORGANIC CARBON	4.7	0.93	0.350	0.130	mg/L	1	10/28/21	10/28/21

Printed: 11/11/2021 1:57:58 PM

APPL-F1-SC-NoMC-REG MDLs

Wet Lab Analysis

AECOM
1001 Bishop Street, Suite 1600
Honolulu, HI 96813

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

Sample ID: ERH1830

APPL ID: BA44052

Sample Collection Date: 10/20/2021

ARF: 97943

Method	Analyte	Result	LOQ	LOD	DL	Units	DF	Prep Date	Analysis Date
SW846 9060A	TOTAL ORGANIC CARBON	2.6	0.93	0.350	0.130	mg/L	1	10/28/21	10/28/21

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APPL-F1-SC-NoMC-REG MDLs

Wet Lab Analysis

AECOM
1001 Bishop Street, Suite 1600
Honolulu, HI 96813

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

Sample ID: ERH1833

APPL ID: BA44054

Sample Collection Date: 10/20/2021

ARF: 97943

Method	Analyte	Result	LOQ	LOD	DL	Units	DF	Prep Date	Analysis Date
SW846 9060A	TOTAL ORGANIC CARBON	1.7	0.93	0.350	0.130	mg/L	1	11/05/21	11/05/21

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APPL-F1-SC-NoMC-REG MDLs

QC FORMS

EPA 8015B-eHL

Form 2 & 8

Surrogate Recovery

Lab Name: APPL, Inc. SDG No: 97943

Case No: 97943 Date Analyzed: 10/31/2021

Matrix: WATER Instrument: Apollo

APPL ID.	Client Sample No.	SURROGATE: OCTACOSANE (S)			SURROGATE: ORTHO-TERPHENYL (S)		
		Limits	Result	Qualifier	Limits	Result	Qualifier
211026A-BLK	Blank	60-142	91.3		56-125	73.3	
211026A-LCS	Lab Control Spike	60-142	82.0		56-125	74.0	
211026A-LCSD	Lab Control SpikeD	60-142	85.3		56-125	76.7	
BA44048	ERH1824	60-142	64.3		56-125	52.5	#
BA44050	ERH1827	60-142	82.5		56-125	71.2	
BA44052	ERH1830	60-142	83.7		56-125	66.8	
BA44054	ERH1833	60-142	72.3		56-125	57.7	

Comments: Batch: #DOC53-211026A

= Recovery outside of Control Limits on Sample.

EPA 8015B-eHL

Form 2 & 8

Surrogate Recovery

Lab Name: APPL, Inc. SDG No: 97943

Case No: 97943 Date Analyzed: 10/30/2021

Matrix: WATER Instrument: Apollo

APPL ID.	Client Sample No.	SURROGATE: (R) DECANOIC ACID (S)			SURROGATE: OCTACOSANE (S)		
		Limits	Result	Qualifier	Limits	Result	Qualifier
211026A1-BLK	Blank	0-1	0.0		60-142	79.2	
211026A1-LCS	Lab Control Spike	0-1	0.0		60-142	68.7	
211026A1-LCSD	Lab Control SpikeD	0-1	0.0		60-142	63.0	
BA44048	ERH1824	0-1	0.0		60-142	58.9	#
BA44050	ERH1827	0-1	0.0		60-142	71.6	
BA44052	ERH1830	0-1	0.0		60-142	67.8	
BA44054	ERH1833	0-1	0.0		60-142	48.7	#

Comments: Batch: #DOC53-211026A1

= Recovery outside of Control Limits on Sample.

EPA 8015B-eHL

Form 2 & 8

Surrogate Recovery

Lab Name: APPL, Inc. SDG No: 97943

Case No: 97943 Date Analyzed: 10/30/2021

Matrix: WATER Instrument: Apollo

APPL ID.	Client Sample No.	SURROGATE: ORTHO-TERPHENYL (S)					
		Limits	Result	Qualifier	Limits	Result	Qualifier
211026A1-BLK	Blank	56-125	63.2				
211026A1-LCS	Lab Control Spike	56-125	60.1				
211026A1-LCSD	Lab Control SpikeD	56-125	57.5				
BA44048	ERH1824	56-125	47.4	#			
BA44050	ERH1827	56-125	57.4				
BA44052	ERH1830	56-125	54.2	#			
BA44054	ERH1833	56-125	38.7	#			

Comments: Batch: #DOC53-211026A1

= Recovery outside of Control Limits on Sample.

EPA 8015B-eHL

Form 2 & 8

Surrogate Recovery

Lab Name: APPL, Inc. SDG No: 97943

Case No: 97943 Date Analyzed: 11/8/2021

Matrix: WATER Instrument: Apollo

APPL ID.	Client Sample No.	SURROGATE: OCTACOSANE (S)			SURROGATE: ORTHO-TERPHENYL (S)		
		Limits	Result	Qualifier	Limits	Result	Qualifier
211103A-BLK	Blank	60-142	84.2		56-125	67.9	
211103A-LCS	Lab Control Spike	60-142	78.0		56-125	70.7	
211103A-LCSD	Lab Control SpikeD	60-142	82.7		56-125	75.3	
BA44048	ERH1824	60-142	80.6		56-125	65.5	
BA44052	ERH1830	60-142	87.4		56-125	70.2	
BA44054	ERH1833	60-142	88.7		56-125	72.6	

Comments: Batch: #DOC53-211103A

EPA 8015B-eHL

Form 2 & 8

Surrogate Recovery

Lab Name: APPL, Inc. SDG No: 97943

Case No: 97943 Date Analyzed: 11/8/2021

Matrix: WATER Instrument: Apollo

APPL ID.	Client Sample No.	SURROGATE: (R) DECANOIC ACID (S)			SURROGATE: OCTACOSANE (S)		
		Limits	Result	Qualifier	Limits	Result	Qualifier
211103A1-BLK	Blank	0-1	0.0		60-142	77.9	
211103A1-LCS	Lab Control Spike	0-1	0.0		60-142	72.0	
211103A1-LCSD	Lab Control SpikeD	0-1	0.0		60-142	65.3	
BA44048	ERH1824	0-1	0.0		60-142	72.5	
BA44052	ERH1830	0-1	0.0		60-142	77.6	
BA44054	ERH1833	0-1	0.0		60-142	74.4	

Comments: Batch: #DOC53-211103A1

EPA 8015B-eHL

Form 2 & 8

Surrogate Recovery

Lab Name: APPL, Inc. SDG No: 97943

Case No: 97943 Date Analyzed: 11/8/2021

Matrix: WATER Instrument: Apollo

APPL ID.	Client Sample No.	SURROGATE: ORTHO-TERPHENYL (S)					
		Limits	Result	Qualifier	Limits	Result	Qualifier
211103A1-BLK	Blank	56-125	61.3				
211103A1-LCS	Lab Control Spike	56-125	65.1				
211103A1-LCSD	Lab Control SpikeD	56-125	59.1				
BA44048	ERH1824	56-125	58.0				
BA44052	ERH1830	56-125	61.3				
BA44054	ERH1833	56-125	59.2				

Comments: Batch: #DOC53-211103A1

EPA 8015B-eHL

Form 2 & 8

Surrogate Recovery

Lab Name: APPL, Inc. SDG No: 97943

Case No: 97943 Date Analyzed: 10/29/2021

Matrix: WATER Instrument: Apollo

APPL ID.	Client Sample No.	SURROGATE: OCTACOSANE (S)			SURROGATE: ORTHO-TERPHENYL (S)		
		Limits	Result	Qualifier	Limits	Result	Qualifier
211025A-BLK	Blank	60-142	90.9		56-125	75.5	
211025A-LCS	Lab Control Spike	60-142	84.0		56-125	70.0	
211025A-LCSD	Lab Control SpikeD	60-142	94.7		56-125	78.7	
BA44055	ERH1824 BLANK	60-142	95.6		56-125	79.4	
BA44056	ERH1827 BLANK	60-142	78.7		56-125	65.7	
BA44057	ERH1830 BLANK	60-142	91.4		56-125	75.9	
BA44058	ERH1833 BLANK	60-142	98.0		56-125	81.4	

Comments: Batch: #RHBLK-211025A

EPA 8015B-eHL

Form 2 & 8

Surrogate Recovery

Lab Name: APPL, Inc. SDG No: 97943

Case No: 97943 Date Analyzed: 11/6/2021

Matrix: WATER Instrument: Apollo

APPL ID.	Client Sample No.	SURROGATE: OCTACOSANE (S)			SURROGATE: ORTHO-TERPHENYL (S)		
		Limits	Result	Qualifier	Limits	Result	Qualifier
211103A-BLK	Blank	60-142	66.4		56-125	53.8	#
211103A-LCS	Lab Control Spike	60-142	67.3		56-125	54.4	*
211103A-LCSD	Lab Control SpikeD	60-142	69.3		56-125	56.9	
BA44055	ERH1824 BLANK	60-142	80.6		56-125	65.9	
BA44057	ERH1830 BLANK	60-142	81.9		56-125	66.7	
BA44058	ERH1833 BLANK	60-142	92.9		56-125	76.2	

Comments: Batch: #RHBLK-211103A

* = Recovery outside of Control Limits on QC Sample.

= Recovery outside of Control Limits on Sample.

EPA 8015B-eH

Form 4

Blank Summary

Lab Name: APPL, Inc. SDG No: 97943

Case No: 97943 Date Analyzed: 10/31/2021

Matrix: WATER Instrument: Apollo

Blank ID: 211026A-BLK Time Analyzed: 0032

APPL ID.	Client Sample No.	File ID.	Date Analyzed
211026A-BLK	Blank	1030029	10/31/2021 0032
211026A-LCS	Lab Control Spike	1030030	10/31/2021 0100
211026A-LCSD	Lab Control SpikeD	1030031	10/31/2021 0128
BA44048	ERH1824	1030032	10/31/2021 0156
BA44050	ERH1827	1030033	10/31/2021 0224
BA44052	ERH1830	1030034	10/31/2021 0252
BA44054	ERH1833	1030035	10/31/2021 0320

Comments: Batch: #DOC53-211026A

EPA 8015B-eH

Form 4

Blank Summary

Lab Name: APPL, Inc. SDG No: 97943

Case No: 97943 Date Analyzed: 10/30/2021

Matrix: WATER Instrument: Apollo

Blank ID: 211026A1-BLK Time Analyzed: 2018

APPL ID.	Client Sample No.	File ID.	Date Analyzed
211026A1-BLK	Blank	1030020	10/30/2021 2018
211026A1-LCS	Lab Control Spike	1030021	10/30/2021 2046
211026A1-LCSD	Lab Control SpikeD	1030022	10/30/2021 2114
BA44048	ERH1824	1030023	10/30/2021 2142
BA44050	ERH1827	1030024	10/30/2021 2211
BA44052	ERH1830	1030025	10/30/2021 2239
BA44054	ERH1833	1030026	10/30/2021 2307

Comments: Batch: #DOC53-211026A1

EPA 8015B-eH

Form 4

Blank Summary

Lab Name: APPL, Inc. SDG No: 97943

Case No: 97943 Date Analyzed: 11/8/2021

Matrix: WATER Instrument: Apollo

Blank ID: 211103A-BLK Time Analyzed: 1422

APPL ID.	Client Sample No.	File ID.	Date Analyzed
211103A-BLK	Blank	1108011	11/8/2021 1422
211103A-LCS	Lab Control Spike	1108012	11/8/2021 1450
211103A-LCSD	Lab Control SpikeD	1108013	11/8/2021 1518
BA44048	ERH1824	1108014	11/8/2021 1546
BA44052	ERH1830	1108015	11/8/2021 1615
BA44054	ERH1833	1108016	11/8/2021 1643

Comments: Batch: #DOC53-211103A

EPA 8015B-eH

Form 4

Blank Summary

Lab Name: APPL, Inc. SDG No: 97943

Case No: 97943 Date Analyzed: 11/8/2021

Matrix: WATER Instrument: Apollo

Blank ID: 211103A1-BLK Time Analyzed: 1807

APPL ID.	Client Sample No.	File ID.	Date Analyzed
211103A1-BLK	Blank	1108019	11/8/2021 1807
211103A1-LCS	Lab Control Spike	1108020	11/8/2021 1836
211103A1-LCSD	Lab Control SpikeD	1108021	11/8/2021 1904
BA44048	ERH1824	1108022	11/8/2021 1932
BA44052	ERH1830	1108023	11/8/2021 2000
BA44054	ERH1833	1108024	11/8/2021 2028

Comments: Batch: #DOC53-211103A1

EPA 8015B-eH

Form 4

Blank Summary

Lab Name: APPL, Inc. SDG No: 97943

Case No: 97943 Date Analyzed: 10/29/2021

Matrix: WATER Instrument: Apollo

Blank ID: 211025A-BLK Time Analyzed: 0452

APPL ID.	Client Sample No.	File ID.	Date Analyzed
211025A-BLK	Blank	1028044	10/29/2021 0452
211025A-LCS	Lab Control Spike	1028045	10/29/2021 0520
211025A-LCSD	Lab Control SpikeD	1028046	10/29/2021 0548
BA44055	ERH1824 BLANK	1028047	10/29/2021 0616
BA44056	ERH1827 BLANK	1028048	10/29/2021 0644
BA44057	ERH1830 BLANK	1028049	10/29/2021 0712
BA44058	ERH1833 BLANK	1028050	10/29/2021 0740

Comments: Batch: #RHBLK-211025A

EPA 8015B-eH

Form 4

Blank Summary

Lab Name: APPL, Inc. SDG No: 97943

Case No: 97943 Date Analyzed: 11/6/2021

Matrix: WATER Instrument: Apollo

Blank ID: 211103A-BLK Time Analyzed: 1807

APPL ID.	Client Sample No.	File ID.	Date Analyzed
211103A-BLK	Blank	1104111	11/6/2021 1807
211103A-LCS	Lab Control Spike	1104112	11/6/2021 1835
211103A-LCSD	Lab Control SpikeD	1104113	11/6/2021 1903
BA44055	ERH1824 BLANK	1104114	11/6/2021 1932
BA44057	ERH1830 BLANK	1104115	11/6/2021 2000
BA44058	ERH1833 BLANK	1104116	11/6/2021 2028

Comments: Batch: #RHBLK-211103A

Method Blank
EPA 8015B TPH LIQ-LIQ

Blank Name/QCG: **211025W-44055 - 269769**
Batch ID: #RHBLK-211025A

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	10/25/2021	10/29/2021
BLANK	OIL (C24-C40)	300.0 U	320	300.0	150.0	ug/L	10/25/2021	10/29/2021
BLANK	SURROGATE: OCTACOSANE (S)	90.9	60-142			%	10/25/2021	10/29/2021
BLANK	SURROGATE: ORTHO-TERPHEN	75.5	56-125			%	10/25/2021	10/29/2021

Quant Method: DOC1028.M
Run #: 1028044
Instrument: Apollo
Sequence: 211028
Initials: KAB

GC SC-Blank-REG MDLs-DOD
Printed: 11/24/2021 1:27:38 PM

Method Blank
EPA 8015B TPH LIQ-LIQ

Blank Name/QCG: **211026W-44048 - 269782**
Batch ID: #DOC53-211026A

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	10/26/2021	10/31/2021
BLANK	OIL (C24-C40)	300.0 U	320	300.0	150.0	ug/L	10/26/2021	10/31/2021
BLANK	SURROGATE: OCTACOSANE (S)	91.3	60-142			%	10/26/2021	10/31/2021
BLANK	SURROGATE: ORTHO-TERPHEN	73.3	56-125			%	10/26/2021	10/31/2021

Quant Method: DOC1028.M
Run #: 1030029
Instrument: Apollo
Sequence: 211030
Initials: KAB

GC SC-Blank-REG MDLs-DOD
Printed: 11/24/2021 1:27:38 PM

Method Blank
EPA 8015B TPH WATER L-L SGC

APPL Inc.
908 North Temperance Avenu
Clovis, CA 93611

Blank Name/QCG: **211026W-44048 - 269792**
Batch ID: #DOC53-211026A1

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	10/26/2021	10/30/2021
BLANK	OIL (C24-C40)	300.0 U	320	300.0	150.0	ug/L	10/26/2021	10/30/2021
BLANK	SURROGATE: (R) DECANOIC AC	0.0	0-1			%	10/26/2021	10/30/2021
BLANK	SURROGATE: OCTACOSANE (S)	79.2	60-142			%	10/26/2021	10/30/2021
BLANK	SURROGATE: ORTHO-TERPHEN	63.2	56-125			%	10/26/2021	10/30/2021

Quant Method: DEC0911.M
Run #: 1030020
Instrument: Apollo
Sequence: 211030
Initials: KAB

GC SC-Blank-REG MDLs-DOD
Printed: 11/24/2021 1:27:38 PM

Method Blank
EPA 8015B TPH RE-EXTRACT

Blank Name/QCG: **211103W-44048 - 270901**
Batch ID: #DOC53-211103A

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	11/3/2021	11/8/2021
BLANK	OIL (C24-C40)	300.0 U	320	300.0	150.0	ug/L	11/3/2021	11/8/2021
BLANK	SURROGATE: OCTACOSANE (S)	84.2	60-142			%	11/3/2021	11/8/2021
BLANK	SURROGATE: ORTHO-TERPHEN	67.9	56-125			%	11/3/2021	11/8/2021

Quant Method: DOC1028.M
Run #: 1108011
Instrument: Apollo
Sequence: 211108
Initials: KAB

GC SC-Blank-REG MDLs-DOD
Printed: 11/24/2021 1:27:38 PM

Method Blank
EPA 8015B TPH LIQ-LIQ RE-EXTRACT

APPL Inc.
908 North Temperance Avenu
Clovis, CA 93611

Blank Name/QCG: **211103W-44055 - 270938**
Batch ID: #RHBLK-211103A

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	11/3/2021	11/6/2021
BLANK	OIL (C24-C40)	300.0 U	320	300.0	150.0	ug/L	11/3/2021	11/6/2021
BLANK	SURROGATE: OCTACOSANE (S)	66.4	60-142			%	11/3/2021	11/6/2021
BLANK	SURROGATE: ORTHO-TERPHEN	53.8 #	56-125			%	11/3/2021	11/6/2021

= Recovery (or RPD) is outside QC limits.

Quant Method: DOC1028.M
Run #: 1104111
Instrument: Apollo
Sequence: 211104
Initials: KAB

GC SC-Blank-REG MDLs-DOD
Printed: 11/24/2021 1:27:38 PM

Method Blank
EPA 8015B TPHW SGC REEXTRACT

APPL Inc.
908 North Temperance Avenu
Clovis, CA 93611

Blank Name/QCG: **211103W-44048 - 270940**
Batch ID: #DOC53-211103A1

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	11/3/2021	11/8/2021
BLANK	OIL (C24-C40)	300.0 U	320	300.0	150.0	ug/L	11/3/2021	11/8/2021
BLANK	SURROGATE: (R) DECANOIC AC	0.0	0-1			%	11/3/2021	11/8/2021
BLANK	SURROGATE: OCTACOSANE (S)	77.9	60-142			%	11/3/2021	11/8/2021
BLANK	SURROGATE: ORTHO-TERPHEN	61.3	56-125			%	11/3/2021	11/8/2021

Quant Method: DEC0911.M
Run #: 1108019
Instrument: Apollo
Sequence: 211108
Initials: KAB

GC SC-Blank-REG MDLs-DOD
Printed: 11/24/2021 1:27:38 PM

EPA 8015B-eH

Form 4

LCS Summary

Lab Name:	APPL, Inc.	SDG No:	97943
Case No:	97943	Date Analyzed:	10/31/2021
Matrix:	WATER	Instrument:	Apollo
LCS ID:	211026A-LCS	Time Analyzed:	0100

APPL ID.	Client Sample No.	File ID.	Date Analyzed
211026A-BLK	Blank	1030029	10/31/2021 0032
211026A-LCS	Lab Control Spike	1030030	10/31/2021 0100
211026A-LCSD	Lab Control SpikeD	1030031	10/31/2021 0128
BA44048	ERH1824	1030032	10/31/2021 0156
BA44050	ERH1827	1030033	10/31/2021 0224
BA44052	ERH1830	1030034	10/31/2021 0252
BA44054	ERH1833	1030035	10/31/2021 0320

Comments: Batch: #DOC53-211026A

EPA 8015B-eH

Form 4

LCS Summary

Lab Name:	APPL, Inc.	SDG No:	97943
Case No:	97943	Date Analyzed:	10/30/2021
Matrix:	WATER	Instrument:	Apollo
LCS ID:	211026A1-LCS	Time Analyzed:	2046

APPL ID.	Client Sample No.	File ID.	Date Analyzed
211026A1-BLK	Blank	1030020	10/30/2021 2018
211026A1-LCS	Lab Control Spike	1030021	10/30/2021 2046
211026A1-LCSD	Lab Control SpikeD	1030022	10/30/2021 2114
BA44048	ERH1824	1030023	10/30/2021 2142
BA44050	ERH1827	1030024	10/30/2021 2211
BA44052	ERH1830	1030025	10/30/2021 2239
BA44054	ERH1833	1030026	10/30/2021 2307

Comments: Batch: #DOC53-211026A1

EPA 8015B-eH

Form 4

LCS Summary

Lab Name:	APPL, Inc.	SDG No:	97943
Case No:	97943	Date Analyzed:	11/8/2021
Matrix:	WATER	Instrument:	Apollo
LCS ID:	211103A-LCS	Time Analyzed:	1450

APPL ID.	Client Sample No.	File ID.	Date Analyzed
211103A-BLK	Blank	1108011	11/8/2021 1422
211103A-LCS	Lab Control Spike	1108012	11/8/2021 1450
211103A-LCSD	Lab Control SpikeD	1108013	11/8/2021 1518
BA44048	ERH1824	1108014	11/8/2021 1546
BA44052	ERH1830	1108015	11/8/2021 1615
BA44054	ERH1833	1108016	11/8/2021 1643

Comments: Batch: #DOC53-211103A

EPA 8015B-eH

Form 4

LCS Summary

Lab Name:	APPL, Inc.	SDG No:	97943
Case No:	97943	Date Analyzed:	11/8/2021
Matrix:	WATER	Instrument:	Apollo
LCS ID:	211103A1-LCS	Time Analyzed:	1836

APPL ID.	Client Sample No.	File ID.	Date Analyzed
211103A1-BLK	Blank	1108019	11/8/2021 1807
211103A1-LCS	Lab Control Spike	1108020	11/8/2021 1836
211103A1-LCSD	Lab Control SpikeD	1108021	11/8/2021 1904
BA44048	ERH1824	1108022	11/8/2021 1932
BA44052	ERH1830	1108023	11/8/2021 2000
BA44054	ERH1833	1108024	11/8/2021 2028

Comments: Batch: #DOC53-211103A1

EPA 8015B-eH

Form 4

LCS Summary

Lab Name: APPL, Inc. SDG No: 97943

Case No: 97943 Date Analyzed: 10/29/2021

Matrix: WATER Instrument: Apollo

LCS ID: 211025A-LCS Time Analyzed: 0520

APPL ID.	Client Sample No.	File ID.	Date Analyzed
211025A-BLK	Blank	1028044	10/29/2021 0452
211025A-LCS	Lab Control Spike	1028045	10/29/2021 0520
211025A-LCSD	Lab Control SpikeD	1028046	10/29/2021 0548
BA44055	ERH1824 BLANK	1028047	10/29/2021 0616
BA44056	ERH1827 BLANK	1028048	10/29/2021 0644
BA44057	ERH1830 BLANK	1028049	10/29/2021 0712
BA44058	ERH1833 BLANK	1028050	10/29/2021 0740

Comments: Batch: #RHBLK-211025A

EPA 8015B-eH

Form 4

LCS Summary

Lab Name:	APPL, Inc.	SDG No:	97943
Case No:	97943	Date Analyzed:	11/6/2021
Matrix:	WATER	Instrument:	Apollo
LCS ID:	211103A-LCS	Time Analyzed:	1835

APPL ID.	Client Sample No.	File ID.	Date Analyzed
211103A-BLK	Blank	1104111	11/6/2021 1807
211103A-LCS	Lab Control Spike	1104112	11/6/2021 1835
211103A-LCSD	Lab Control SpikeD	1104113	11/6/2021 1903
BA44055	ERH1824 BLANK	1104114	11/6/2021 1932
BA44057	ERH1830 BLANK	1104115	11/6/2021 2000
BA44058	ERH1833 BLANK	1104116	11/6/2021 2028

Comments: Batch: #RHBLK-211103A

Laboratory Control Spike Recoveries
EPA 8015B TPH LIQ-LIQ

APPL ID: **211026W-44048 LCS - 269782**
Batch ID: #DOC53-211026A

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	1670	1780	83.5	89.0	36-132	6.4	30
OIL (C24-C40)	2000	1830	1950	91.5	97.5	41-113	6.3	30
SURROGATE: OCTACOSANE (S)	150	123	128	82.0	85.3	60-142		
SURROGATE: ORTHO-TERPHENYL (S)	150	111	115	74.0	76.7	56-125		

Comments:

Primary	SPK	DUP
Quant Method :	DOC1028.M	DOC1028.M
Extraction Date :	10/26/2021	10/26/2021
Analysis Date :	10/31/2021	10/31/2021
Instrument :	Apollo	Apollo
Run :	1030030	1030031
Initials :	KAB	

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

APPL ID: **211026W-44048 LCS - 269792**
Batch ID: #DOC53-211026A1

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	1340	1240	67.0	62.0	36-132	7.8	30
OIL (C24-C40)	2000	1530	1420	76.5	71.0	41-113	7.5	30
SURROGATE: (R) DECANOIC ACID (S)	10.00	0	0	0.0	0.0	0-1		
SURROGATE: OCTACOSANE (S)	150	103	94.5	68.7	63.0	60-142		
SURROGATE: ORTHO-TERPHENYL (S)	150	90.2	86.2	60.1	57.5	56-125		

Comments:

Primary	SPK	DUP
Quant Method :	DEC0911.M	DEC0911.M
Extraction Date :	10/26/2021	10/26/2021
Analysis Date :	10/30/2021	10/30/2021
Instrument :	Apollo	Apollo
Run :	1030021	1030022
Initials :	KAB	

Laboratory Control Spike Recoveries
EPA 8015B TPH RE-EXTRACT

APPL ID: **211103W-44048 LCS - 270901**
Batch ID: #DOC53-211103A

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	1490	1610	74.5	80.5	36-132	7.7	30
OIL (C24-C40)	2000	1620	1770	81.0	88.5	41-113	8.8	30
SURROGATE: OCTACOSANE (S)	150	117	124	78.0	82.7	60-142		
SURROGATE: ORTHO-TERPHENYL (S)	150	106	113	70.7	75.3	56-125		

Comments:

Primary	SPK	DUP
Quant Method :	DOC1028.M	DOC1028.M
Extraction Date :	11/3/2021	11/3/2021
Analysis Date :	11/8/2021	11/8/2021
Instrument :	Apollo	Apollo
Run :	1108012	1108013
Initials :	KAB	

Laboratory Control Spike Recoveries
EPA 8015B TPHW SGC REEXTRACT

APPL ID: **211103W-44048 LCS - 270940**
Batch ID: #DOC53-211103A1

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	1320	1220	66.0	61.0	36-132	7.9	30
OIL (C24-C40)	2000	1430	1320	71.5	66.0	41-113	8.0	30
SURROGATE: (R) DECANOIC ACID (S)	10.00	0	0	0.0	0.0	0-1		
SURROGATE: OCTACOSANE (S)	150	108	98.0	72.0	65.3	60-142		
SURROGATE: ORTHO-TERPHENYL (S)	150	97.7	88.6	65.1	59.1	56-125		

Comments:

Primary	SPK	DUP
Quant Method :	DEC0911.M	DEC0911.M
Extraction Date :	11/3/2021	11/3/2021
Analysis Date :	11/8/2021	11/8/2021
Instrument :	Apollo	Apollo
Run :	1108020	1108021
Initials :	KAB	

Laboratory Control Spike Recoveries
EPA 8015B TPH LIQ-LIQ

APPL ID: **211025W-44055 LCS - 269769**
Batch ID: #RHBLK-211025A

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	49.1	49.8	NA	NA	36-132		30
OIL (C24-C40)	0	124	76.0	NA	NA	41-113		30
SURROGATE: OCTACOSANE (S)	150	126	142	84.0	94.7	60-142		
SURROGATE: ORTHO-TERPHENYL (S)	150	105	118	70.0	78.7	56-125		

Comments:

Primary	SPK	DUP
Quant Method :	DOC1028.M	DOC1028.M
Extraction Date :	10/25/2021	10/25/2021
Analysis Date :	10/29/2021	10/29/2021
Instrument :	Apollo	Apollo
Run :	1028045	1028046
Initials :	KAB	

Laboratory Control Spike Recoveries
EPA 8015B TPH LIQ-LIQ RE-EXTRACT

APPL ID: **211103W-44055 LCS - 270938**
Batch ID: #RHBLK-211103A

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Compound Name	Spike Lvl ug/L	SPK Result ug/L	DUP Result ug/L	SPK % Recovery	DUP % Recovery	Recovery Limits	RPD %	RPD Limits
DIESEL (C10-C24)	0	41.6	52.5	NA	NA	36-132		30
OIL (C24-C40)	0	67.3	116	NA	NA	41-113		30
SURROGATE: OCTACOSANE (S)	150	101	104	67.3	69.3	60-142		
SURROGATE: ORTHO-TERPHENYL (S)	150	81.6	85.4	54.4 #	56.9	56-125		

= Recovery is outside QC limits.

Comments:

Primary	SPK	DUP
Quant Method :	DOC1028.M	DOC1028.M
Extraction Date :	11/3/2021	11/3/2021
Analysis Date :	11/6/2021	11/6/2021
Instrument :	Apollo	Apollo
Run :	1104112	1104113
Initials :	KAB	

8270D-SIM

Form 2 & 8

Surrogate Recovery

Lab Name: APPL, Inc. SDG No: 97943

Case No: 97943 Date Analyzed: 11/2/2021

Matrix: WATER Instrument: KYLO

APPL ID.	Client Sample No.	SURROGATE: 2-METHYLNAPHTHALENE-D10 (S)			SURROGATE: FLUORANTHENE-D10 (S)		
		Limits	Result	Qualifier	Limits	Result	Qualifier
211026AK-BLK	Blank	39-114	99.2		58-120	98.7	
BA44048	ERH1824	39-114	110		58-120	89.1	
BA44052	ERH1830	39-114	87.1		58-120	68.4	
211026AK-LCS	Lab Control Spike	39-114	94.2		58-120	98.6	
211026AK-LCSD	Lab Control SpikeD	39-114	96.4		58-120	105	
BA44050	ERH1827	39-114	91.9		58-120	63.6	
BA44054	ERH1833	39-114	87.7		58-120	74.7	

Comments: Batch: #SIM53-211026AK

8270D-SIM

Form 4

Blank Summary

Lab Name: APPL, Inc. SDG No: 97943

Case No: 97943 Date Analyzed: 11/2/2021

Matrix: WATER Instrument: KYLO

Blank ID: 211026AK-BLK Time Analyzed: 1116

APPL ID.	Client Sample No.	File ID.	Date Analyzed
211026AK-BLK	Blank	1019K213	11/2/2021 1116
BA44048	ERH1824	1019K219	11/2/2021 1316
BA44052	ERH1830	1019K221	11/2/2021 1356
211026AK-LCS	Lab Control Spike	1019K310	11/5/2021 0005
211026AK-LCSD	Lab Control SpikeD	1019K311	11/5/2021 0025
BA44050	ERH1827	1019K359	11/9/2021 0926
BA44054	ERH1833	1019K360	11/9/2021 0946

Comments: Batch: #SIM53-211026AK

Method Blank
EPA 8270D SIM LIQ-LIQ

APPL Inc.
908 North Temperance Avenu
Clovis, CA 93611

Blank Name/QCG: **211026W-44044 - 270554**
Batch ID: #SIM53-211026AK

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	10/26/2021	11/2/2021
BLANK	2-METHYLNAPHTHALENE	0.10 U	0.2	0.10	0.04	ug/L	10/26/2021	11/2/2021
BLANK	NAPHTHALENE	0.10 U	0.2	0.10	0.04	ug/L	10/26/2021	11/2/2021
BLANK	SURROGATE: 2-METHYLNAPHT	99.2	39-114			%	10/26/2021	11/2/2021
BLANK	SURROGATE: FLUORANTHENE-	98.7	58-120			%	10/26/2021	11/2/2021

Quant Method:K1019.M
Run #:1019K213
Instrument:KYLO
Sequence:211019
Initials:LSI

GC SC-Blank-REG MDLs-DOD
Printed: 11/16/2021 3:25:10 PM

8270D-SIM

Form 4

LCS Summary

Lab Name:	APPL, Inc.	SDG No:	97943
Case No:	97943	Date Analyzed:	11/5/2021
Matrix:	WATER	Instrument:	KYLO
LCS ID:	211026AK-LCS	Time Analyzed:	0005

APPL ID.	Client Sample No.	File ID.	Date Analyzed
211026AK-BLK	Blank	1019K213	11/2/2021 1116
BA44048	ERH1824	1019K219	11/2/2021 1316
BA44052	ERH1830	1019K221	11/2/2021 1356
211026AK-LCS	Lab Control Spike	1019K310	11/5/2021 0005
211026AK-LCSD	Lab Control SpikeD	1019K311	11/5/2021 0025
BA44050	ERH1827	1019K359	11/9/2021 0926
BA44054	ERH1833	1019K360	11/9/2021 0946

Comments: Batch: #SIM53-211026AK

Laboratory Control Spike Recoveries
EPA 8270D SIM LIQ-LIQ

APPL ID: **211026W-44044 LCS - 270554**
Batch ID: #SIM53-211026AK

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Compound Name	Spike Lvl ug/L	SPK Result ug/L	DUP Result ug/L	SPK % Recovery	DUP % Recovery	Recovery Limits	RPD %	RPD Limits
1-METHYLNAPHTHALENE	5.00	4.55	4.79	91.0	95.8	41-115	5.1	20
2-METHYLNAPHTHALENE	5.00	4.60	4.81	92.0	96.2	39-114	4.5	20
NAPHTHALENE	5.00	4.48	4.73	89.6	94.6	43-114	5.4	20
SURROGATE: 2-METHYLNAPHTHALEN	5.00	4.71	4.82	94.2	96.4	39-114		
SURROGATE: FLUORANTHENE-D10 (S)	5.00	4.93	5.23	98.6	105	58-120		

Comments:

Primary	SPK	DUP
Quant Method :	K1019.M	K1019.M
Extraction Date :	10/26/2021	10/26/2021
Analysis Date :	11/5/2021	11/5/2021
Instrument :	KYLO	KYLO
Run :	1019K310	1019K311
Initials :	LSI	

Form 5
Tune Summary

Lab Name: APPL Inc.
Case No:
Matrix: Water
ID: 1019K001.D

SDG No:
Date Analyzed: 10/19/2021
Instrument: KYLO
Time Analyzed: 13:58

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

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

Form 5
Tune Summary

Lab Name: APPL Inc. SDG No: 97943
Case No: 97943 Date Analyzed: 11/2/2021
Matrix: Water Instrument: KYLO
ID: 1019K208.D Time Analyzed: 9:33

	Client Sample No.	APPL ID.	File ID.	Date Analyzed
1		5 ug/ml 10/19/21 (1)	1019K209.D	11/2/2021 9:45
2	Blank	211026A BLK 1/1000	1019K213.D	11/2/2021 11:16
3	ERH1824	BA44048W07 1/1000	1019K219.D	11/2/2021 13:16
4	ERH1830	BA44052W08 1/1050	1019K221.D	11/2/2021 13:56
5		5 ug/ml 10/10/21 (2)	1019K232.D	11/3/2021 7:04
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				

m/e		
51	9.95 - 80.1% of mass 198	33.3
68	0 - 2.05% of mass 69	1.8
70	0 - 2% of mass 69	0.3
127	10 - 80% of mass 198	54.5
197	0 - 2% of mass 198	0.2
198	100 - 100% of mass 198	100.0
199	5 - 9% of mass 198	6.7
275	10 - 60% of mass 198	22.8
365	1 - 100% of mass 198	2.3
441	0.01 - 24% of mass 442	13.8
442	50 - 500% of mass 198	67.9
443	15 - 24% of mass 442	18.4

Form 5
Tune Summary

Lab Name: APPL Inc.
Case No:
Matrix: Water
ID: 1019K276.D

SDG No:
Date Analyzed: 11/4/2021
Instrument: KYLO
Time Analyzed: 12:53

	Client Sample No.	APPL ID.	File ID.	Date Analyzed
1		5 ug/ml 10/19/21 (1)	1019K277.D	11/4/2021 13:05
2	Lab Control Spike	211026A LCS-1 1/1000	1019K310.D	11/5/2021 0:05
3	Lab Control SpikeD	211026A LCSD-1 1/100	1019K311.D	11/5/2021 0:25
4		5 ug/ml 10/10/21 (2)	1019K312.D	11/5/2021 0:45
5				
6				
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8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				

m/e		
51	9.95 - 80.1% of mass 198	29.6
68	0 - 2.05% of mass 69	1.7
70	0 - 2% of mass 69	0.7
127	10 - 80% of mass 198	50.8
197	0 - 2% of mass 198	0.3
198	100 - 100% of mass 198	100.0
199	5 - 9% of mass 198	6.6
275	10 - 60% of mass 198	23.5
365	1 - 100% of mass 198	2.6
441	0.01 - 24% of mass 442	13.9
442	50 - 500% of mass 198	83.5
443	15 - 24% of mass 442	19.1

Form 5
Tune Summary

Lab Name: APPL Inc. SDG No: 97943
Case No: 97943 Date Analyzed: 11/9/2021
Matrix: Water Instrument: KYLO
ID: 1019K357.D Time Analyzed: 8:32

	Client Sample No.	APPL ID.	File ID.	Date Analyzed
1		5 ug/ml 10/19/21 (1)	1019K358.D	11/9/2021 8:43
2	ERH1827	BA44050W07 1/1050	1019K359.D	11/9/2021 9:26
3	ERH1833	BA44054W07 1/950	1019K360.D	11/9/2021 9:46
4		5 ug/ml 10/10/21 (2)	1019K391.D	11/9/2021 20:37
5				
6				
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8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				

m/e		
51	9.95 - 80.1% of mass 198	31.6
68	0 - 2.05% of mass 69	1.7
70	0 - 2% of mass 69	0.6
127	10 - 80% of mass 198	52.0
197	0 - 2% of mass 198	0.5
198	100 - 100% of mass 198	100.0
199	5 - 9% of mass 198	6.9
275	10 - 60% of mass 198	21.6
365	1 - 100% of mass 198	2.1
441	0.01 - 24% of mass 442	14.0
442	50 - 500% of mass 198	63.2
443	15 - 24% of mass 442	19.3

8A
INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: APPL Inc. Contract:

Lab Code: SDG No.:

Lab File ID (Standard): 1019K209.D Date Analyzed: 2 Nov 21 9:45

Instrument ID: KYLO Time Analyzed: 2 Nov 21 9:45

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	13695	3.89	6808	5.82	10720	7.52
	UPPER LIMIT	27390	4.06	13616	5.99	21440	7.69
	LOWER LIMIT	6848	3.72	3404	5.65	5360	7.35
	SAMPLE NO.						
01	211026A BLK 1/1000	13012	3.88	6514	5.82	11177	7.52
02	BA44048W07 1/1000	11042	3.89	5594	5.82	9237	7.52
03	BA44052W08 1/1050	11288	3.89	5865	5.82	11008	7.52
04	5 ug/ml 10/10/21 (2)	14804	3.88	7513	5.82	12019	7.52
05							
06							
07							
08							
09							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							

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

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

8A
INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: APPL Inc. Contract:

Lab Code: SDG No.:

Lab File ID (Standard): 1019K277.D Date Analyzed: 4 Nov 21 13:05

Instrument ID: KYLO Time Analyzed: 4 Nov 21 13:05

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	13969	3.89	6880	5.82	10814	7.52
	UPPER LIMIT	27938	4.06	13760	5.99	21628	7.69
	LOWER LIMIT	6985	3.72	3440	5.65	5407	7.35
	SAMPLE NO.						
01	211026A LCS-1 1/1000	14824	3.89	7313	5.82	11576	7.52
02	211026A LCSD-1 1/100	13899	3.89	6817	5.82	10426	7.52
03	5 ug/ml 10/10/21 (2)	17223	3.89	8616	5.82	13487	7.52
04							
05							
06							
07							
08							
09							
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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): 1019K358.D Date Analyzed: 9 Nov 21 8:43

Instrument ID: KYLO Time Analyzed: 9 Nov 21 8:43

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	12333	3.89	6177	5.82	9504	7.52
	UPPER LIMIT	24666	4.06	12354	5.99	19008	7.69
	LOWER LIMIT	6167	3.72	3089	5.65	4752	7.35
	SAMPLE NO.						
01	BA44050W07 1/1050	12407	3.89	6353	5.82	9737	7.52
02	BA44054W07 1/950	11934	3.89	6196	5.82	9652	7.52
03	5 ug/ml 10/10/21 (2)	14951	3.89	7485	5.82	11893	7.52
04							
05							
06							
07							
08							
09							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							

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

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

EPA 8260B

Form 2 & 8

Surrogate Recovery

Lab Name: APPL, Inc. SDG No: 97943

Case No: 97943 Date Analyzed: 10/26/2021

Matrix: WATER Instrument: Max

APPL ID.	Client Sample No.	SURROGATE: 1,2-DICHLOROETHANE-D4 (S)			SURROGATE: 4-BROMOFLUOROBENZENE (S)		
		Limits	Result	Qualifier	Limits	Result	Qualifier
211026BM-LCS	Lab Control Spike	81-118	104		85-114	104	
211026BM-LCSD	Lab Control SpikeD	81-118	101		85-114	102	
211026BM-BLK	Blank	81-118	99.7		85-114	99.8	
BA44047	ERH1823	81-118	103		85-114	98.2	
BA44048	ERH1824	81-118	96.1		85-114	94.9	
BA44049	ERH1826	81-118	99.6		85-114	98.5	
BA44050	ERH1827	81-118	95.4		85-114	99.6	
BA44051	ERH1829	81-118	101		85-114	98.6	
BA44052	ERH1830	81-118	95.4		85-114	98.3	
BA44053	ERH1832	81-118	93.9		85-114	97.9	
BA44054	ERH1833	81-118	94.9		85-114	95.8	

Comments: Batch: #86BTO-211026BM

EPA 8260B

Form 2 & 8

Surrogate Recovery

Lab Name: APPL, Inc. SDG No: 97943

Case No: 97943 Date Analyzed: 10/26/2021

Matrix: WATER Instrument: Max

APPL ID.	Client Sample No.	SURROGATE: DIBROMOFLUOROMETHANE (S)			SURROGATE: TOLUENE-D8 (S)		
		Limits	Result	Qualifier	Limits	Result	Qualifier
211026BM-LCS	Lab Control Spike	80-119	103		89-112	102	
211026BM-LCSD	Lab Control SpikeD	80-119	103		89-112	101	
211026BM-BLK	Blank	80-119	99.8		89-112	98.9	
BA44047	ERH1823	80-119	101		89-112	101	
BA44048	ERH1824	80-119	102		89-112	99.0	
BA44049	ERH1826	80-119	103		89-112	102	
BA44050	ERH1827	80-119	97.4		89-112	98.4	
BA44051	ERH1829	80-119	103		89-112	103	
BA44052	ERH1830	80-119	98.5		89-112	100	
BA44053	ERH1832	80-119	99.1		89-112	100	
BA44054	ERH1833	80-119	96.0		89-112	101	

Comments: Batch: #86BTO-211026BM

EPA 8260B

Form 4

Blank Summary

Lab Name: APPL, Inc. SDG No: 97943

Case No: 97943 Date Analyzed: 10/26/2021

Matrix: WATER Instrument: Max

Blank ID: 211026BM-BLK Time Analyzed: 2320

APPL ID.	Client Sample No.	File ID.	Date Analyzed
211026BM-LCS	Lab Control Spike	1026M26	10/26/2021 2058
211026BM-LCSD	Lab Control SpikeD	1026M27	10/26/2021 2126
211026BM-BLK	Blank	1026M31	10/26/2021 2320
BA44047	ERH1823	1026M37	10/27/2021 0209
BA44048	ERH1824	1026M38	10/27/2021 0237
BA44049	ERH1826	1026M39	10/27/2021 0306
BA44050	ERH1827	1026M40	10/27/2021 0334
BA44051	ERH1829	1026M41	10/27/2021 0402
BA44052	ERH1830	1026M42	10/27/2021 0430
BA44053	ERH1832	1026M43	10/27/2021 0459
BA44054	ERH1833	1026M44	10/27/2021 0527

Comments: Batch: #86BTO-211026BM

Method Blank
EPA 8260B BTEX WATER

APPL Inc.
908 North Temperance Avenu
Clovis, CA 93611

Blank Name/QCG: **211026W-43831 - 269592**
Batch ID: #86BTO-211026BM

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	10/26/2021	10/26/2021
BLANK	ETHYLBENZENE	0.50 U	1.0	0.50	0.23	ug/L	10/26/2021	10/26/2021
BLANK	TOLUENE	0.30 U	1.0	0.30	0.15	ug/L	10/26/2021	10/26/2021
BLANK	XYLENES (TOTAL)	0.30 U	2.0	0.30	0.15	ug/L	10/26/2021	10/26/2021
BLANK	SURROGATE: 1,2-DICHLOROET	99.7	81-118			%	10/26/2021	10/26/2021
BLANK	SURROGATE: 4-BROMOFLUORO	99.8	85-114			%	10/26/2021	10/26/2021
BLANK	SURROGATE: DIBROMOFLUOR	99.8	80-119			%	10/26/2021	10/26/2021
BLANK	SURROGATE: TOLUENE-D8 (S)	98.9	89-112			%	10/26/2021	10/26/2021

Quant Method: M1015W.M
Run #: 1026M31
Instrument: Max
Sequence: 211015
Initials: PAN

GC SC-Blank-REG MDLs-DOD
Printed: 10/29/2021 5:11:08 AM

EPA 8260B

Form 4

LCS Summary

Lab Name:	APPL, Inc.	SDG No:	97943
Case No:	97943	Date Analyzed:	10/26/2021
Matrix:	WATER	Instrument:	Max
LCS ID:	211026BM-LCS	Time Analyzed:	2058

APPL ID.	Client Sample No.	File ID.	Date Analyzed
211026BM-LCS	Lab Control Spike	1026M26	10/26/2021 2058
211026BM-LCSD	Lab Control SpikeD	1026M27	10/26/2021 2126
211026BM-BLK	Blank	1026M31	10/26/2021 2320
BA44047	ERH1823	1026M37	10/27/2021 0209
BA44048	ERH1824	1026M38	10/27/2021 0237
BA44049	ERH1826	1026M39	10/27/2021 0306
BA44050	ERH1827	1026M40	10/27/2021 0334
BA44051	ERH1829	1026M41	10/27/2021 0402
BA44052	ERH1830	1026M42	10/27/2021 0430
BA44053	ERH1832	1026M43	10/27/2021 0459
BA44054	ERH1833	1026M44	10/27/2021 0527

Comments: Batch: #86BTO-211026BM

Laboratory Control Spike Recoveries
EPA 8260B BTEX WATER

APPL ID: **211026W-43831 LCS - 269592**
Batch ID: #86BTO-211026BM

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	10.4	9.29	104	92.9	79-120	11.3	20
ETHYLBENZENE	10.00	10.3	9.85	103	98.5	79-121	4.5	20
TOLUENE	10.00	10.3	9.63	103	96.3	80-121	6.7	20
XYLENES (TOTAL)	30.0	31.1	29.3	104	97.7	79-121	6.0	20
SURROGATE: 1,2-DICHLOROETHANE-D	25.0	26.0	25.2	104	101	81-118		
SURROGATE: 4-BROMOFLUOROBENZE	25.0	25.9	25.6	104	102	85-114		
SURROGATE: DIBROMOFLUOROMETH	25.0	25.7	25.8	103	103	80-119		
SURROGATE: TOLUENE-D8 (S)	25.0	25.4	25.2	102	101	89-112		

Comments:

Primary	SPK	DUP
Quant Method :	M1015W.M	M1015W.M
Extraction Date :	10/26/2021	10/26/2021
Analysis Date :	10/26/2021	10/26/2021
Instrument :	Max	Max
Run :	1026M26	1026M27
Initials :	PAN	

Form 5
Tune Summary

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

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

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

m/e		
50	15.0 - 40.0% of mass 95	20.4
75	30.0 - 60.0% of mas 95	58.4
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.0
174	50.0 - 200.0% of mass 95	126.6
175	5.0 - 9.0% of mass 174	7.7
176	95.0 - 101.0% of mass 174	99.1
177	5.0 - 9.0% 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): 1015M17.D Date Analyzed: 10/15/21

Instrument ID: Max Time Analyzed: 17:35

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	377347	6.34	347072	9.50	236441	11.82
	UPPER LIMIT	754694	6.51	694144	9.67	472882	11.99
	LOWER LIMIT	188674	6.17	173536	9.33	118221	11.65
	SAMPLE NO.						
01	0.3ug/L VOC STD 10/15	397342	6.34	352293	9.50	217437	11.82
02	0.5ug/L VOC STD 10/15	396824	6.34	348546	9.50	220294	11.82
03	1ug/L VOC STD 10/15/2	394605	6.34	355921	9.50	218264	11.82
04	2ug/L VOC STD 10/15/2	397741	6.34	352458	9.50	222724	11.82
05	5ug/L VOC STD 10/15/2	387411	6.34	344894	9.50	232454	11.82
06	10ug/L VOC STD 10/15/	377347	6.34	347072	9.50	236441	11.82
07	20ug/L VOC STD 10/15/	395871	6.34	351611	9.50	235162	11.82
08	40ug/L VOC STD 10/15/	394795	6.34	356570	9.50	246902	11.82
09	100ug/L VOC STD 10/1	386789	6.34	357810	9.50	248989	11.82
10	(SS) 10ug/L VOC STD 1	407759	6.34	364241	9.50	235667	11.82
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							

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

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

Form 5
Tune Summary

Lab Name: APPL Inc. SDG No: 97943
Case No: 97943 Date Analyzed: 10/26/2021
Matrix: Water Instrument: Max
ID: 1026M24.D Time Analyzed: 20:01

	Client Sample No.	APPL ID.	File ID.	Date Analyzed
1		211026B CCV 10ug/L	1026M25.D	10/26/2021 20:30
2	Lab Control Spike	211026B LCS 10ug/L	1026M26.D	10/26/2021 20:58
3	Lab Control SpikeD	211026B LCSD 10ug/L	1026M27.D	10/26/2021 21:26
4	Blank	211026B BLK	1026M31.D	10/26/2021 23:20
5	ERH1823	BA44047W01	1026M37.D	10/27/2021 2:09
6	ERH1824	BA44048W01	1026M38.D	10/27/2021 2:37
7	ERH1826	BA44049W01	1026M39.D	10/27/2021 3:06
8	ERH1827	BA44050W01	1026M40.D	10/27/2021 3:34
9	ERH1829	BA44051W01	1026M41.D	10/27/2021 4:02
10	ERH1830	BA44052W01	1026M42.D	10/27/2021 4:30
11	ERH1832	BA44053W01	1026M43.D	10/27/2021 4:59
12	ERH1833	BA44054W01	1026M44.D	10/27/2021 5:27
13		Ending CCV 10ug/L 10	1026M45.D	10/27/2021 5:55
14				
15				
16				
17				
18				
19				
20				
21				
22				

m/e		
50	15.0 - 40.0% of mass 95	21.8
75	30.0 - 60.0% of mas 95	59.4
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.1
173	Less than 2.0% of mass 174	0.0
174	50.0 - 200.0% of mass 95	136.3
175	5.0 - 9.0% of mass 174	8.5
176	95.0 - 101.0% of mass 174	98.9
177	5.0 - 9.0% of mass 176	5.9

8A
INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: APPL Inc. Contract:

Lab Code: SDG No.:

Lab File ID (Standard): 1026M25.D Date Analyzed: 10/26/21

Instrument ID: Max Time Analyzed: 20:30

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	386002	6.37	343919	9.53	227821	11.85
	UPPER LIMIT	772004	6.54	687838	9.70	455642	12.02
	LOWER LIMIT	193001	6.20	171960	9.36	113911	11.68
	SAMPLE NO.						
01	211026B CCV 10ug/L	386002	6.37	343919	9.53	227821	11.85
02	211026B LCS 10ug/L	384412	6.37	344538	9.53	230340	11.85
03	211026B LCSD 10ug/L	379540	6.37	341797	9.53	227568	11.85
04	211026B BLK	396235	6.37	350438	9.53	212898	11.85
05	BA44047W01	370854	6.37	328826	9.53	207629	11.85
06	BA44048W01	390835	6.37	343456	9.52	207230	11.85
07	BA44049W01	389006	6.37	338854	9.52	206981	11.85
08	BA44050W01	378110	6.37	360031	9.52	236580	11.84
09	BA44051W01	409647	6.37	356964	9.52	220092	11.84
10	BA44052W01	403838	6.37	353790	9.52	217480	11.85
11	BA44053W01	403771	6.37	358499	9.52	215883	11.84
12	BA44054W01	401787	6.37	357373	9.52	227146	11.84
13	Ending CCV 10ug/L 10/2	387172	6.37	351019	9.52	224090	11.84
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: 97943

Case No: 97943 Date Analyzed: 10/26/2021

Matrix: WATER Instrument: Max

APPL ID.	Client Sample No.	SURROGATE: 4-BROMOFLUOROBENZENE (S)					
		Limits	Result	Qualifier	Limits	Result	Qualifier
211026BM-LCS	Lab Control Spike	85-114	99.6				
211026BM-LCSD	Lab Control SpikeD	85-114	100				
211026BM-BLK	Blank	85-114	99.8				
BA44047	ERH1823	85-114	99.7				
BA44048	ERH1824	85-114	96.3				
BA44049	ERH1826	85-114	99.9				
BA44050	ERH1827	85-114	101				
BA44051	ERH1829	85-114	100				
BA44052	ERH1830	85-114	99.7				
BA44053	ERH1832	85-114	99.4				
BA44054	ERH1833	85-114	97.2				

Comments: Batch: #GRO86-211026B

EPA 8260B

Form 4

Blank Summary

Lab Name:	APPL, Inc.	SDG No:	97943
Case No:	97943	Date Analyzed:	10/26/2021
Matrix:	WATER	Instrument:	Max
Blank ID:	211026BM-BLK	Time Analyzed:	2320

APPL ID.	Client Sample No.	File ID.	Date Analyzed
211026BM-LCS	Lab Control Spike	1026M29	10/26/2021 2223
211026BM-LCSD	Lab Control SpikeD	1026M30	10/26/2021 2251
211026BM-BLK	Blank	1026M31	10/26/2021 2320
BA44047	ERH1823	1026M37	10/27/2021 0209
BA44048	ERH1824	1026M38	10/27/2021 0237
BA44049	ERH1826	1026M39	10/27/2021 0306
BA44050	ERH1827	1026M40	10/27/2021 0334
BA44051	ERH1829	1026M41	10/27/2021 0402
BA44052	ERH1830	1026M42	10/27/2021 0430
BA44053	ERH1832	1026M43	10/27/2021 0459
BA44054	ERH1833	1026M44	10/27/2021 0527

Comments: Batch: #GRO86-211026B

Method Blank
EPA 8260B GRO WATER

APPL Inc.
908 North Temperance Avenu
Clovis, CA 93611

Blank Name/QCG: **211026W-43831 - 269634**
Batch ID: #GRO86-211026BM

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	10/26/2021	10/26/2021
BLANK	SURROGATE: 4-BROMOFLUOR	99.8	85-114			%	10/26/2021	10/26/2021

Quant Method: SURR015W.
Run #: 1026M31
Instrument: Max
Sequence: 211015
Initials: DA

GC SC-Blank-REG MDLs-DOD
Printed: 11/30/2021 1:56:39 PM

EPA 8260B

Form 4

LCS Summary

Lab Name:	APPL, Inc.	SDG No:	97943
Case No:	97943	Date Analyzed:	10/26/2021
Matrix:	WATER	Instrument:	Max
LCS ID:	211026BM-LCS	Time Analyzed:	2223

APPL ID.	Client Sample No.	File ID.	Date Analyzed
211026BM-LCS	Lab Control Spike	1026M29	10/26/2021 2223
211026BM-LCSD	Lab Control SpikeD	1026M30	10/26/2021 2251
211026BM-BLK	Blank	1026M31	10/26/2021 2320
BA44047	ERH1823	1026M37	10/27/2021 0209
BA44048	ERH1824	1026M38	10/27/2021 0237
BA44049	ERH1826	1026M39	10/27/2021 0306
BA44050	ERH1827	1026M40	10/27/2021 0334
BA44051	ERH1829	1026M41	10/27/2021 0402
BA44052	ERH1830	1026M42	10/27/2021 0430
BA44053	ERH1832	1026M43	10/27/2021 0459
BA44054	ERH1833	1026M44	10/27/2021 0527

Comments: Batch: #GRO86-211026B

Laboratory Control Spike Recoveries
EPA 8260B GRO WATER

APPL ID: **211026W-43831 LCS - 269634**
Batch ID: #GRO86-211026BM

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	325	357	108	119	78-122	9.4	20
SURROGATE: 4-BROMOFLUOROBENZE	25.0	24.9	25.1	99.6	100	85-114		

Comments:

Primary	SPK	DUP
Quant Method :	SURR015W.M	SURR015W.M
Extraction Date :	10/26/2021	10/26/2021
Analysis Date :	10/26/2021	10/26/2021
Instrument :	Max	Max
Run :	1026M29	1026M30
Initials :	DA	

SW846 9060A

Form 4

Blank Summary

Lab Name: APPL, Inc. SDG No: 97943

Case No: 97943 Date Analyzed: 10/27/2021

Matrix: WATER Instrument: TICTOC

Blank ID: 211027A-BLK Time Analyzed: 2210

APPL ID.	Client Sample No.	File ID.	Date Analyzed
211027A-BLK	Blank	15	10/27/2021 2210
211027A-LCS	Lab Control Spike	16	10/27/2021 2255
211027A-LCSD	Lab Control SpikeD	17	10/27/2021 2341
BA44048	ERH1824	36	10/28/2021 1314
BA44050	ERH1827	37	10/28/2021 1356
BA44052	ERH1830	38	10/28/2021 1440

Comments: Batch: #TOCW5-211027A

SW846 9060A

Form 4

Blank Summary

Lab Name:	APPL, Inc.	SDG No:	97943
Case No:	97943	Date Analyzed:	11/5/2021
Matrix:	WATER	Instrument:	TICTOC
Blank ID:	211105A-BLK	Time Analyzed:	1808

APPL ID.	Client Sample No.	File ID.	Date Analyzed
211105A-BLK	Blank	26	11/5/2021 1808
211105A-LCS	Lab Control Spike	27	11/5/2021 1850
211105A-LCSD	Lab Control SpikeD	28	11/5/2021 1932
BA44054	ERH1833	31	11/5/2021 2139

Comments: Batch: #TOCW5-211105A

WETLAB BLANK

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

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

SW846 9060A

Form 4

LCS Summary

Lab Name:	APPL, Inc.	SDG No:	97943
Case No:	97943	Date Analyzed:	10/27/2021
Matrix:	WATER	Instrument:	TICTOC
LCS ID:	211027A-LCS	Time Analyzed:	2255

APPL ID.	Client Sample No.	File ID.	Date Analyzed
211027A-BLK	Blank	15	10/27/2021 2210
211027A-LCS	Lab Control Spike	16	10/27/2021 2255
211027A-LCSD	Lab Control SpikeD	17	10/27/2021 2341
BA44048	ERH1824	36	10/28/2021 1314
BA44050	ERH1827	37	10/28/2021 1356
BA44052	ERH1830	38	10/28/2021 1440

Comments: Batch: #TOCW5-211027A

SW846 9060A

Form 4

LCS Summary

Lab Name:	APPL, Inc.	SDG No:	97943
Case No:	97943	Date Analyzed:	11/5/2021
Matrix:	WATER	Instrument:	TICTOC
LCS ID:	211105A-LCS	Time Analyzed:	1850

APPL ID.	Client Sample No.	File ID.	Date Analyzed
211105A-BLK	Blank	26	11/5/2021 1808
211105A-LCS	Lab Control Spike	27	11/5/2021 1850
211105A-LCSD	Lab Control SpikeD	28	11/5/2021 1932
BA44054	ERH1833	31	11/5/2021 2139

Comments: Batch: #TOCW5-211105A

Laboratory Control Spike Recoveries

WETLAB

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

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

Comments:

Laboratory Control Spike Recoveries

WETLAB

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

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

Comments:

ORGANICS
Calibration Data

TPH Extractables
DOC1028

Form 6
Initial Calibration

Lab Name: APPL, Inc. SDG No:
Case No: Initial Cal. Date: 10/28/2021
Matrix: Water Instrument: Apollo Initials: KA

		Compound	1	2	3	4	5	6	7				Avg	%RSD	Type	r^2	Q
			1028003.D	1028004.D	1028005.D	1028006.D	1028007.D	1028008.D	1028009.D								
1	HATM	Diesel (C10-C24)	2983809	2406563	2517872	2418941	2337993	2387715	2563791				2516669	8.7	HATM		
2	HBTML	Motor Oil (C24-C40)	5192328	3260715	2065863	1824592	1695984	1676117	1728658				2492037	53	HBTM	1.000	
3	SA	Ortho-Terphenyl(S)	3637234	3178668	3119876	3035678	2926966	2905323	3088794				3127505	7.9	SA		
4	SA	Octacosane(S)	2469203	2170507	2286410	2275552	2170413	2171254	2286658				2261428	4.8	SA		
5																	
6																	
7																	
8																	
9																	
10																	
11																	
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2.118919

Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\211028\1028003.D Vial: 3
Acq On : 10-28-21 9:19:03 Operator: KA
Sample : DMO STD 1 10/28/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 28 15:39 2021 Quant Results File: DOC1028.RES

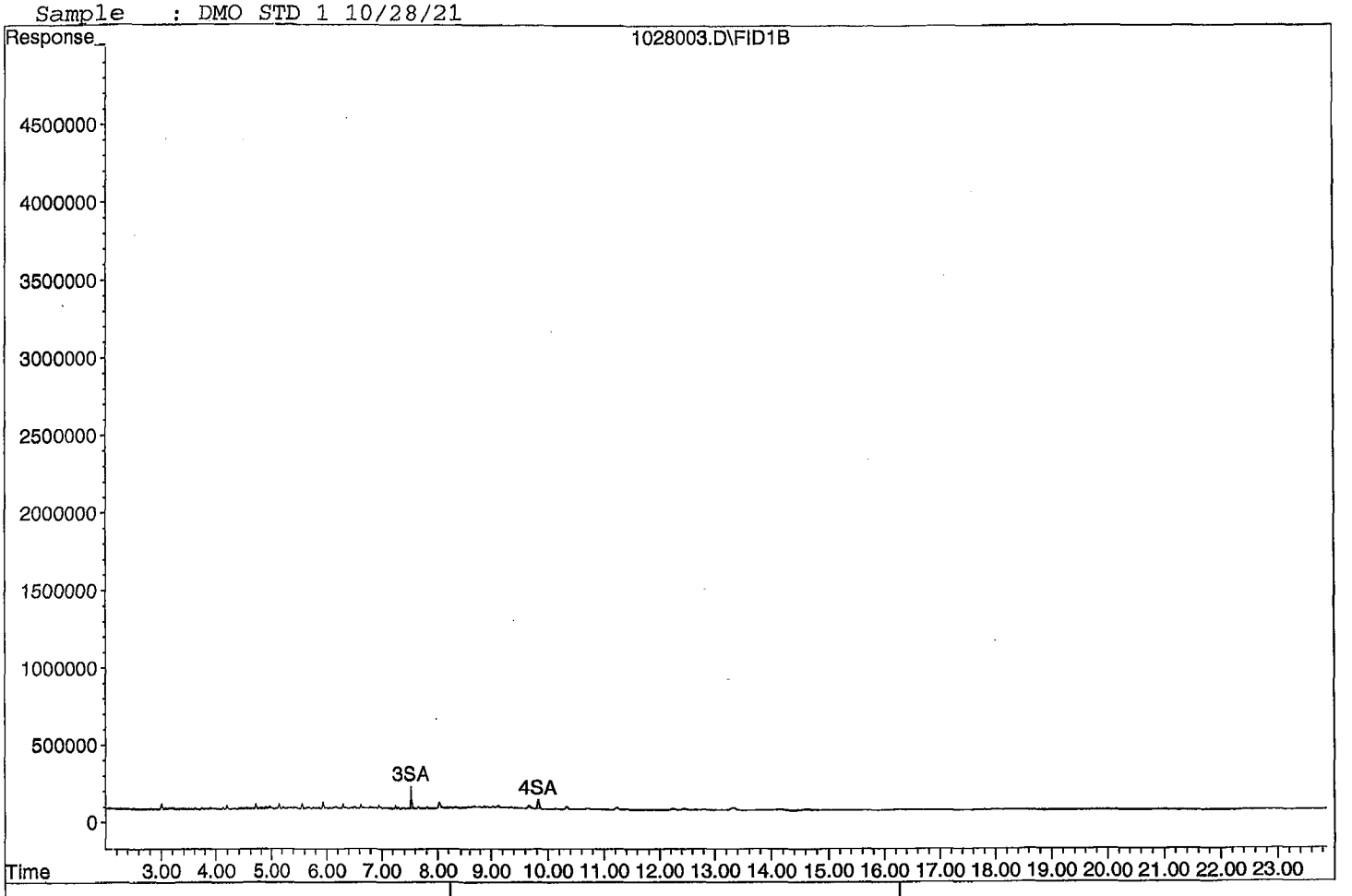
Method : G:\APOLLO\DATA\211028\DOC1028.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Oct 28 15:39:11 2021
Response via : Multiple Level Calibration

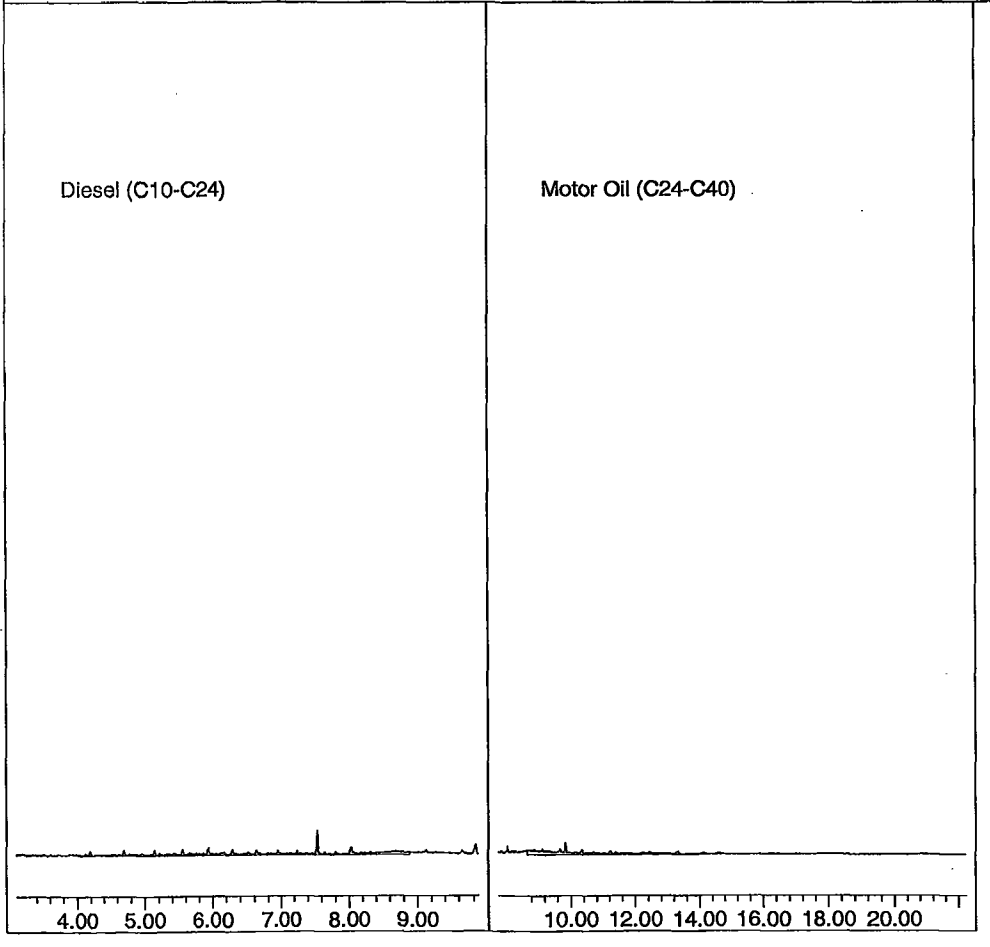
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.53	1818617	0.291 ppb
Surrogate Spike 30.000	Recovery =		0.97%
4) SA Octacosane(S)	9.82	1234601	0.273 ppb
Surrogate Spike 30.000	Recovery =		0.91%
Target Compounds			
1) HATM Diesel (C10-C24)	6.49	29838086	5.928 ppb
2) HBTM Motor Oil (C24-C40)	14.96	51923283	5.234 ppb
Target Compounds			

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

Data File: G:\APOLLO\DATA\211028\1028003.D
Sample : DMO STD 1 10/28/21





Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\211028\1028004.D Vial: 4
Acq On : 10-28-21 9:47:06 Operator: KA
Sample : DMO STD 2 10/28/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 28 15:39 2021 Quant Results File: DOC1028.RES

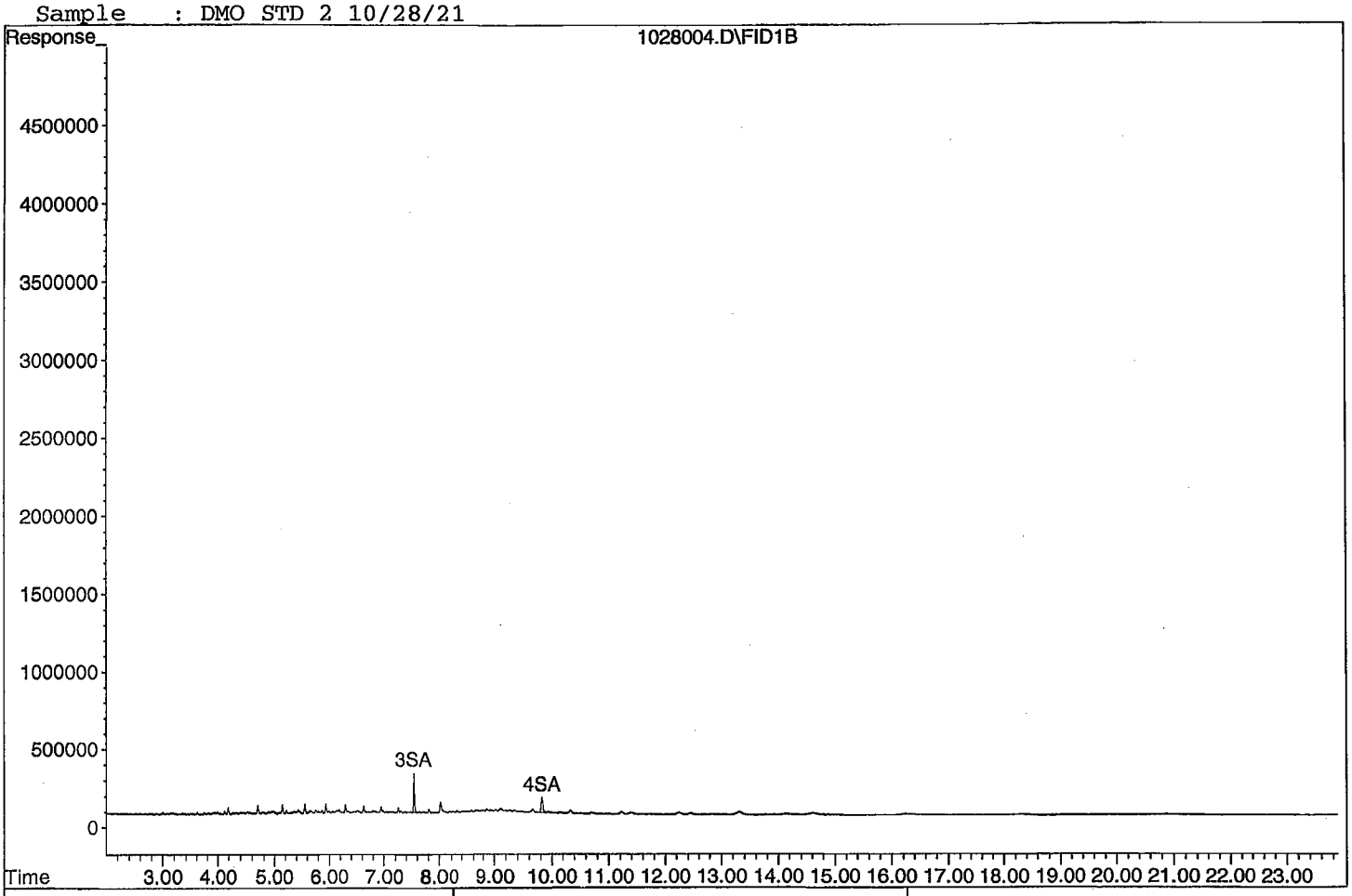
Method : G:\APOLLO\DATA\211028\DOC1028.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Oct 28 15:39:11 2021
Response via : Multiple Level Calibration

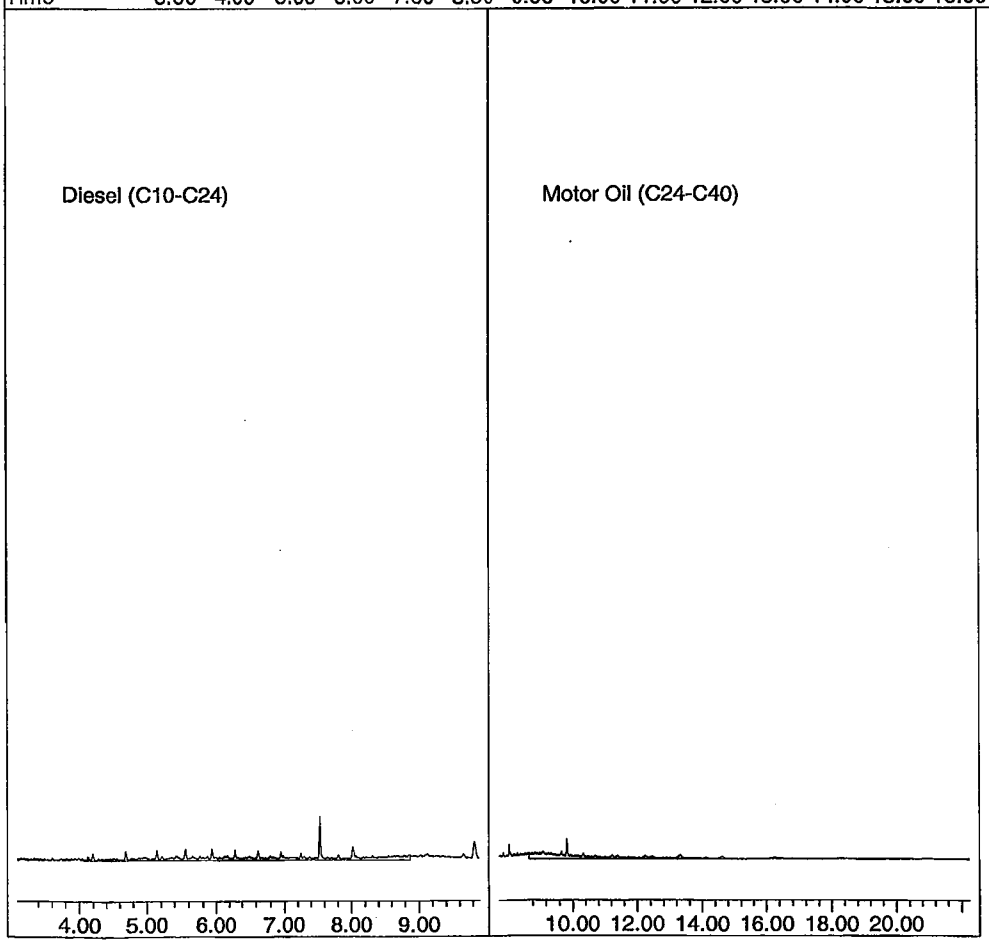
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.53	3178668	0.508 ppb
Surrogate Spike 30.000	Recovery =		1.69%
4) SA Octacosane(S)	9.82	2170507	0.480 ppb
Surrogate Spike 30.000	Recovery =		1.60%
Target Compounds			
1) HATM Diesel (C10-C24)	6.49	48131263	9.562 ppb
2) HBTM Motor Oil (C24-C40)	14.96	65214303	9.152 ppb
Target Compounds			

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

Data File: G:\APOLLO\DATA\211028\1028004.D
Sample : DMO STD 2 10/28/21





Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\211028\1028005.D Vial: 5
Acq On : 10-28-21 10:15:13 Operator: KA
Sample : DMO STD 3 10/28/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 28 15:39 2021 Quant Results File: DOC1028.RES

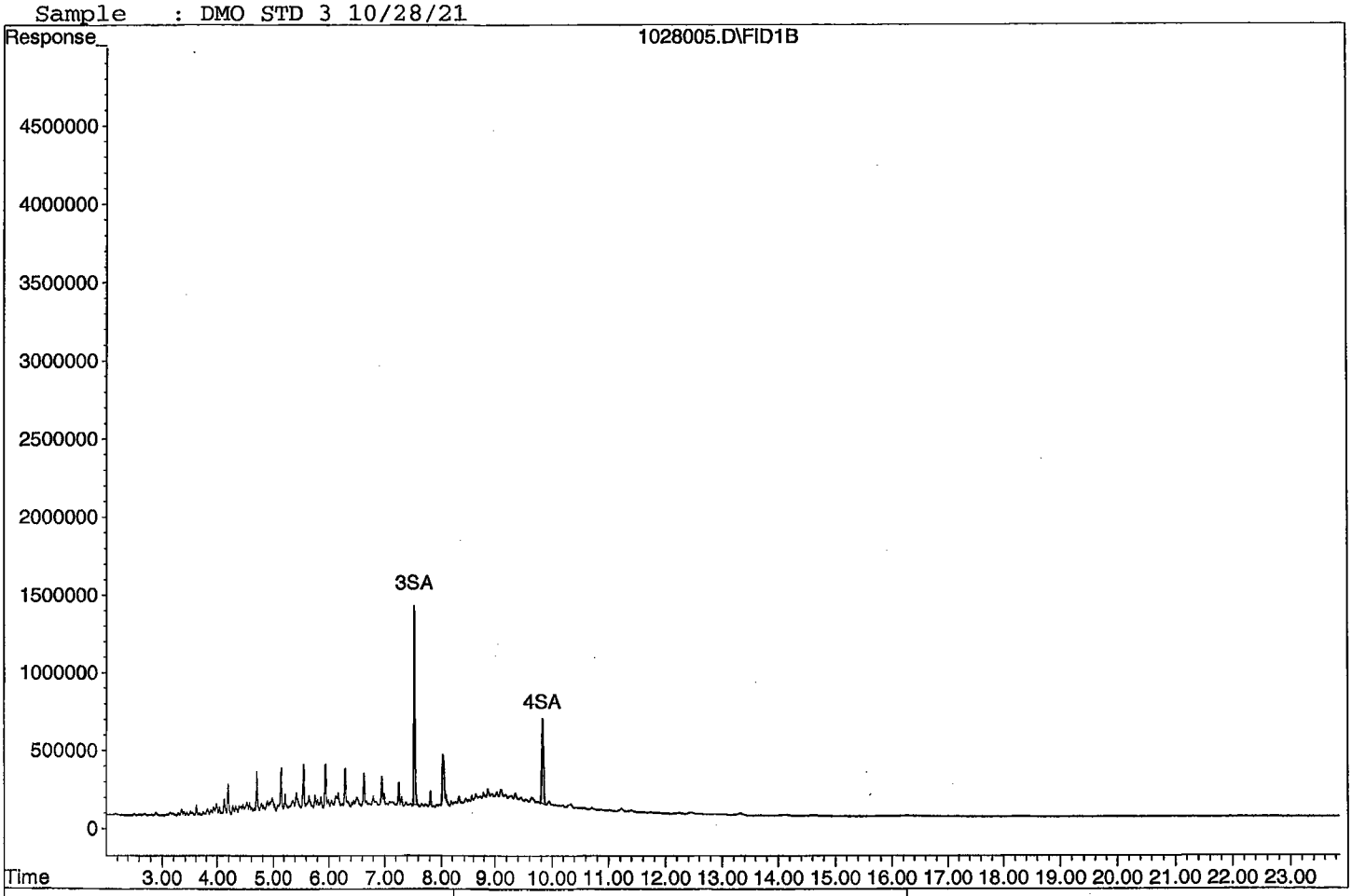
Method : G:\APOLLO\DATA\211028\DOC1028.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Oct 28 15:39:11 2021
Response via : Multiple Level Calibration

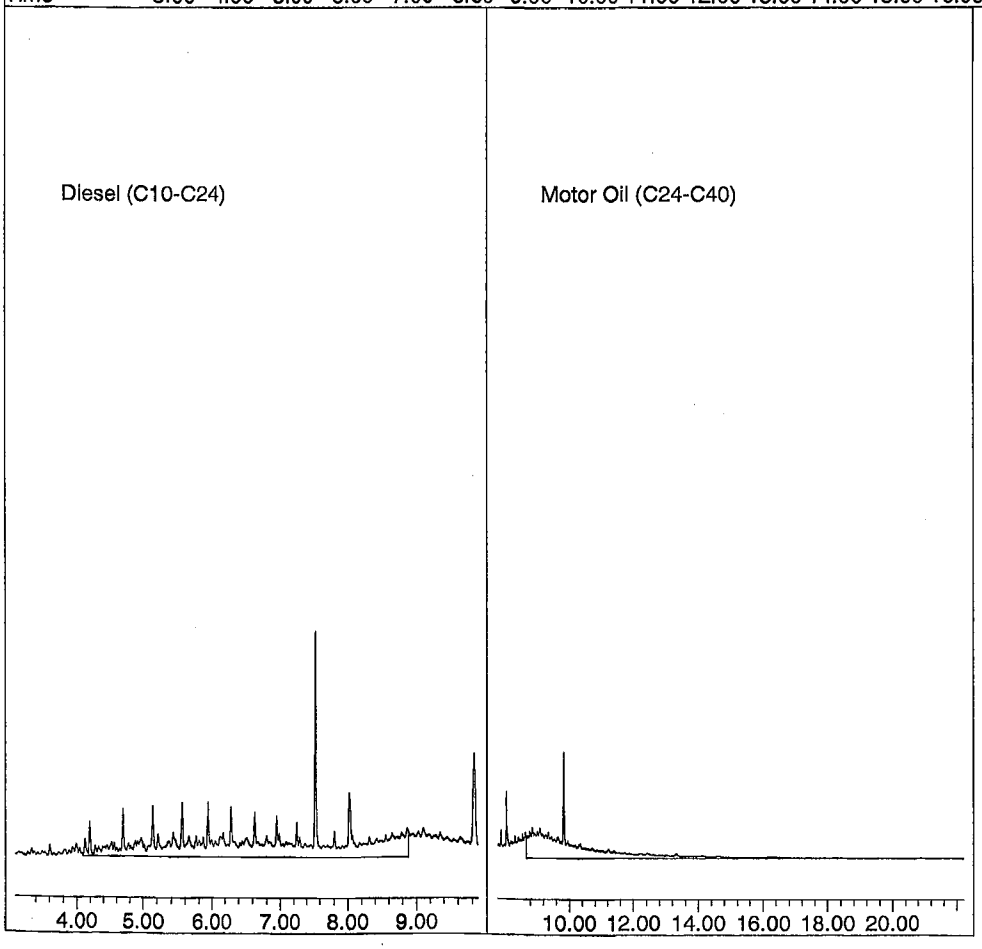
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.53	15599382	2.494 ppb
Surrogate Spike 30.000	Recovery =		8.31%
4) SA Octacosane(S)	9.82	11432050	2.528 ppb
Surrogate Spike 30.000	Recovery =		8.43%
Target Compounds			
1) HATM Diesel (C10-C24)	6.49	251787231	50.024 ppb
2) HBTM Motor Oil (C24-C40)	14.96	206586322	50.832 ppb
Target Compounds			

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

Data File: G:\APOLLO\DATA\211028\1028005.D
Sample : DMO STD 3 10/28/21





Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\211028\1028006.D Vial: 6
Acq On : 10-28-21 10:43:31 Operator: KA
Sample : DMO STD 4 10/28/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 28 15:39 2021 Quant Results File: DOC1028.RES

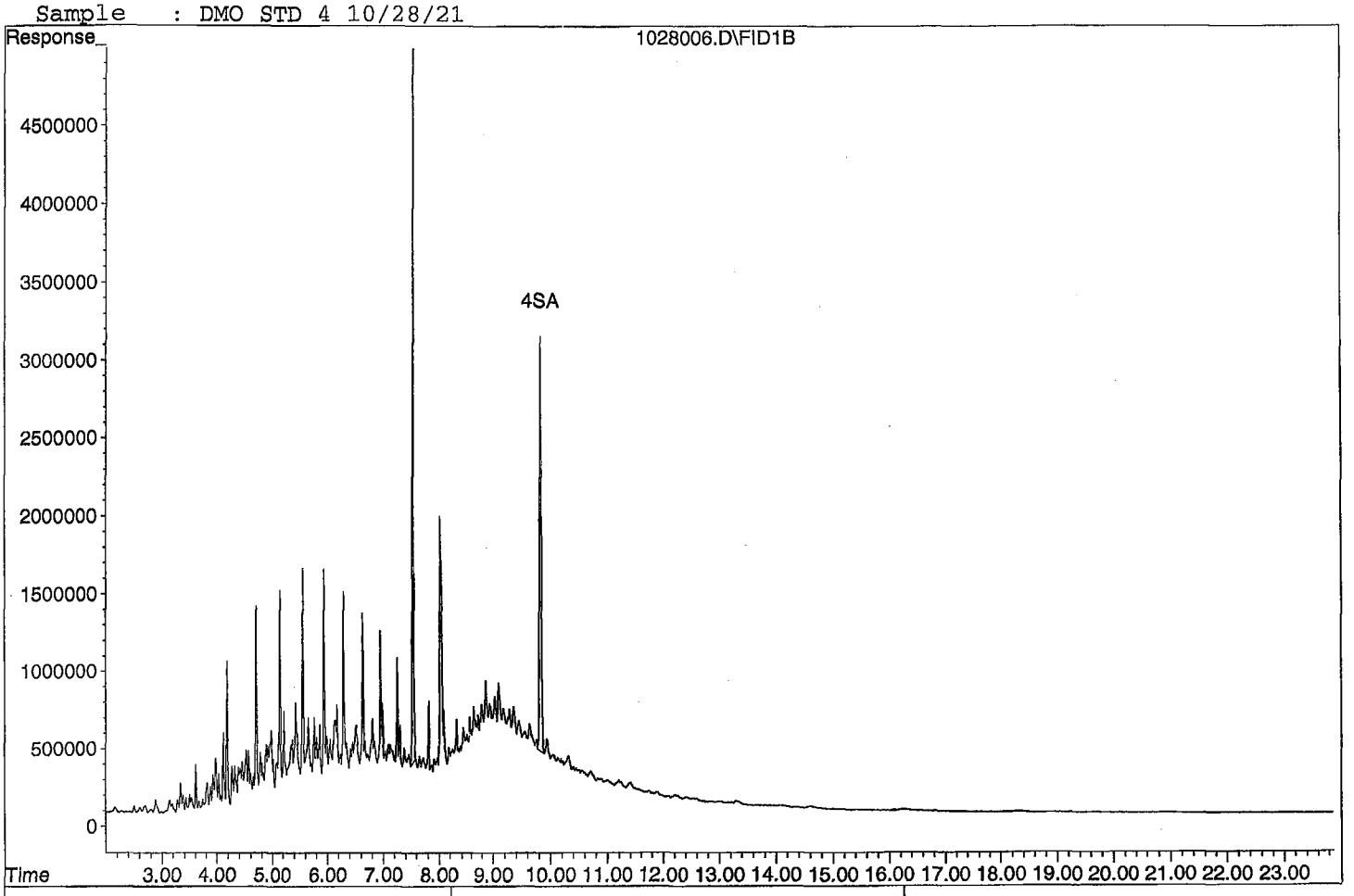
Method : G:\APOLLO\DATA\211028\DOC1028.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Oct 28 15:39:11 2021
Response via : Multiple Level Calibration

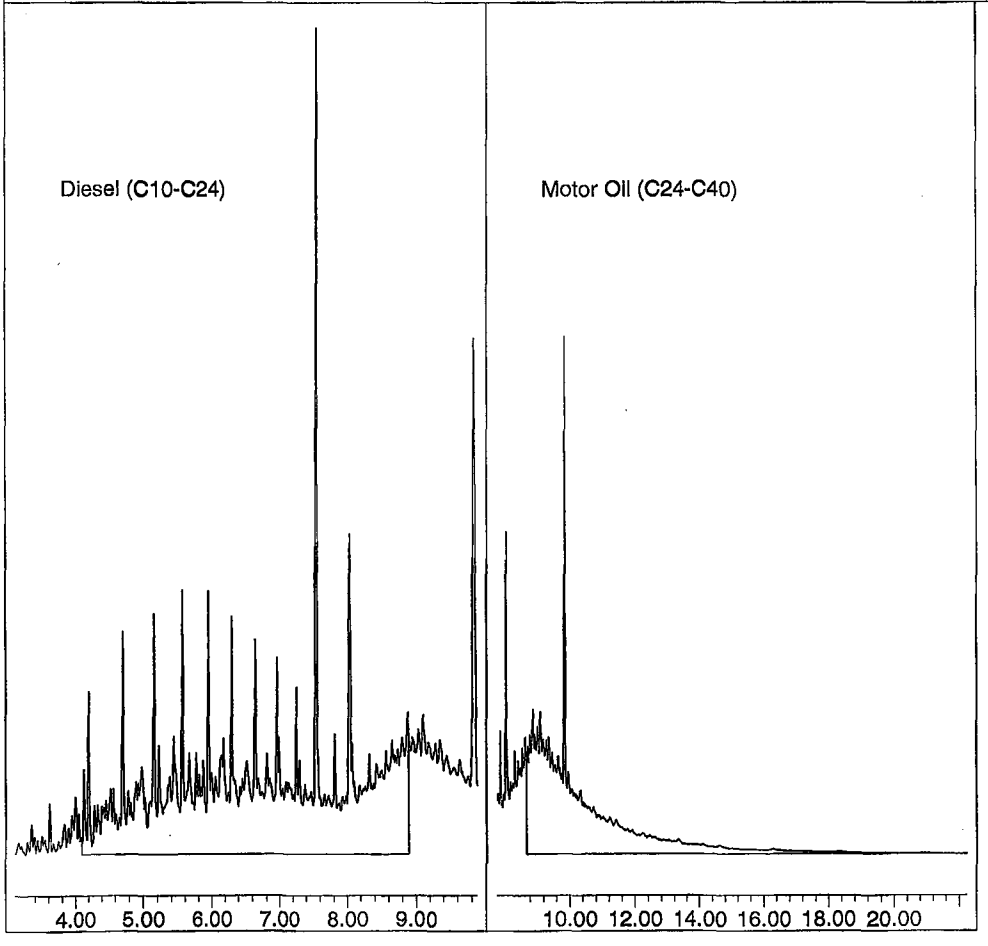
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.53	75891940	12.133 ppb
Surrogate Spike 30.000	Recovery =		40.44%
4) SA Octacosane(S)	9.82	56888797	12.578 ppb
Surrogate Spike 30.000	Recovery =		41.93%
Target Compounds			
1) HATM Diesel (C10-C24)	6.49	1209470396	240.292 ppb
2) HBTM Motor Oil (C24-C40)	14.96	912296132	258.892 ppb
Target Compounds			

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

Data File: G:\APOLLO\DATA\211028\1028006.D
Sample : DMO STD 4 10/28/21





Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\211028\1028007.D Vial: 7
Acq On : 10-28-21 11:11:42 Operator: KA
Sample : DMO STD 5 10/28/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 28 15:39 2021 Quant Results File: DOC1028.RES

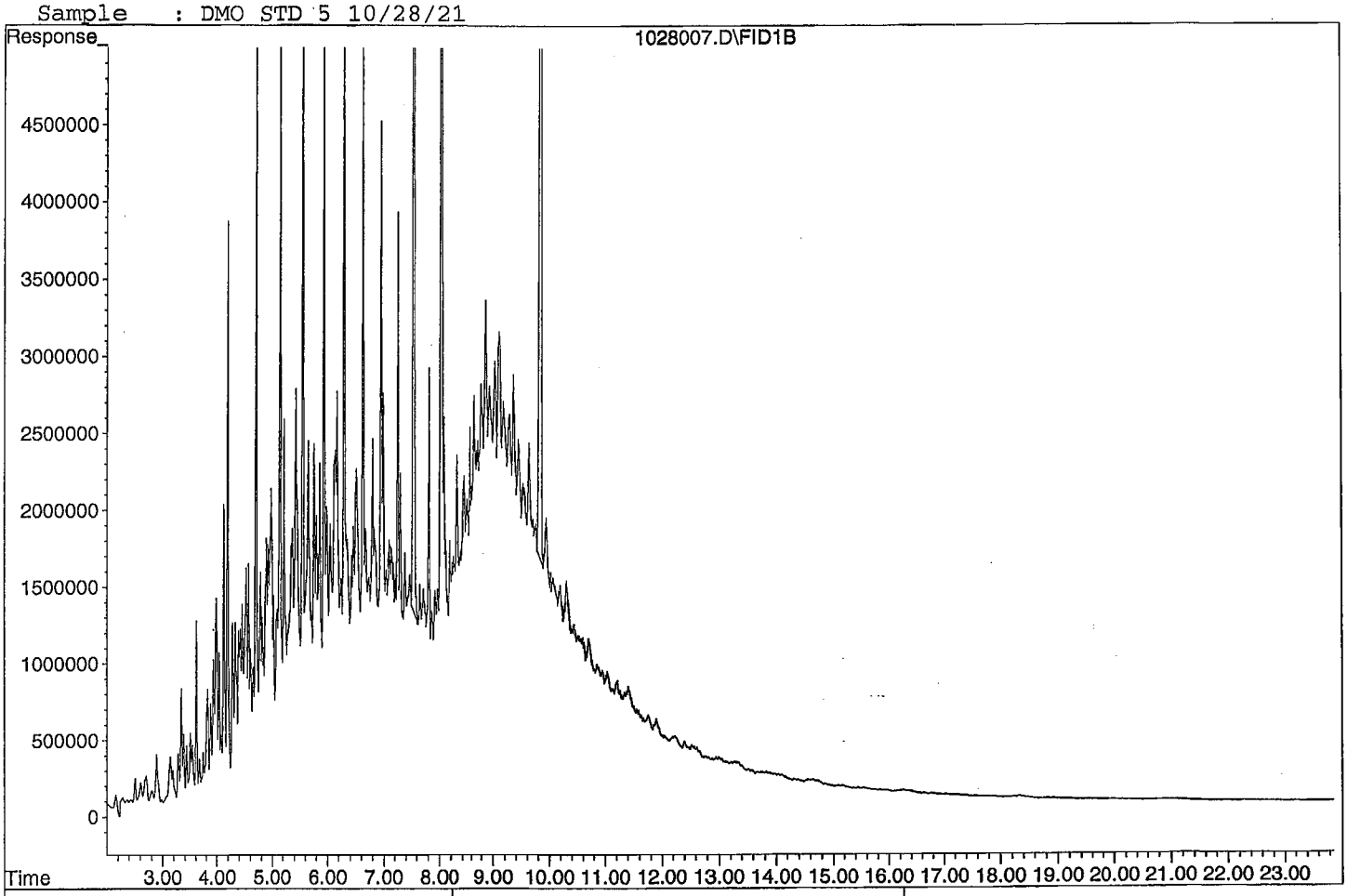
Method : G:\APOLLO\DATA\211028\DOC1028.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Oct 28 15:39:11 2021
Response via : Multiple Level Calibration

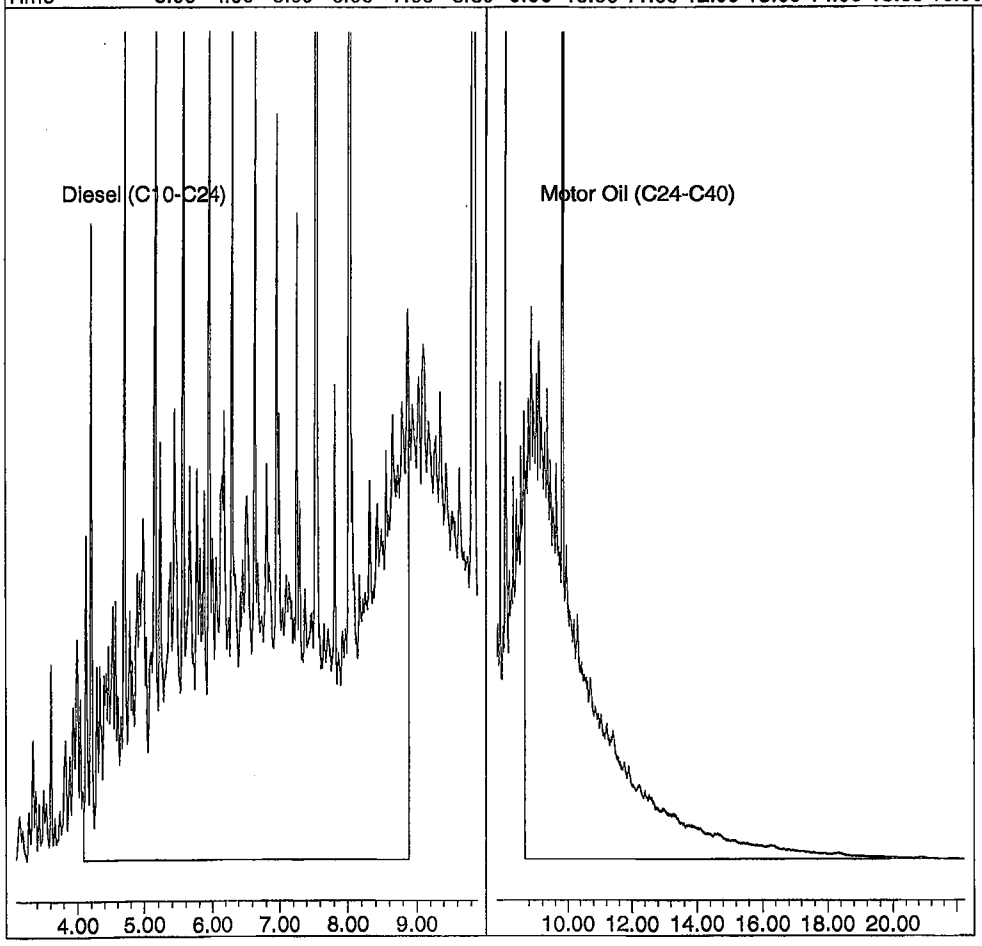
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
3) SA Ortho-Terphenyl(S)	7.54	292696553	46.794	ppb
Surrogate Spike 30.000	Recovery =		155.98%	
4) SA Octacosane(S)	9.83	217041298	47.988	ppb
Surrogate Spike 30.000	Recovery =		159.96%	
Target Compounds				
1) HATM Diesel (C10-C24)	6.49	4675985227	929.003	ppb
2) HBTM Motor Oil (C24-C40)	14.96	3391967397	989.959	ppb

Target Compounds

Data File: G:\APOLLO\DATA\211028\1028007.D
Sample : DMO STD 5 10/28/21





Quantitation Report (Not Reviewed)

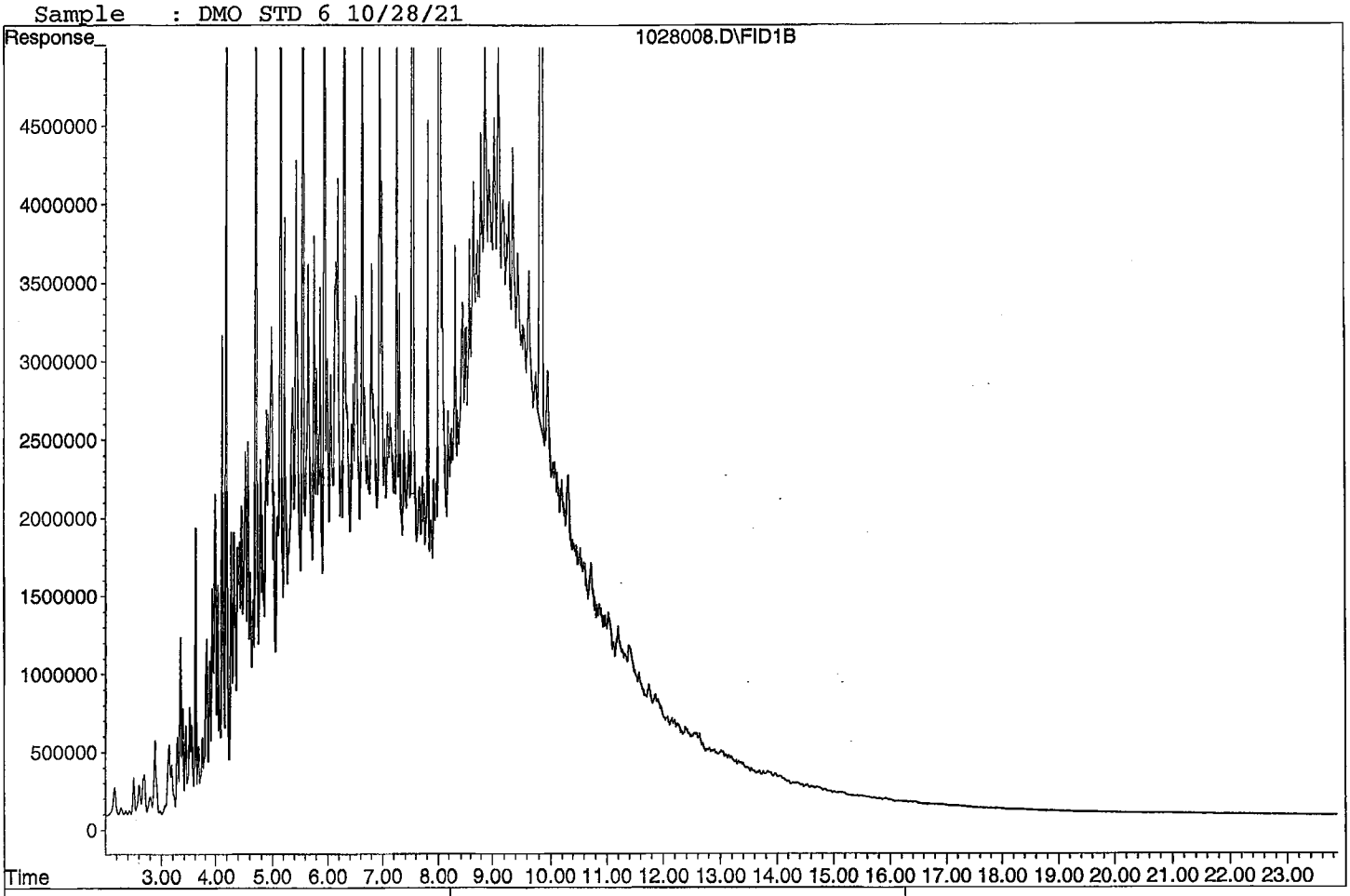
Data File : G:\APOLLO\DATA\211028\1028008.D Vial: 8
Acq On : 10-28-21 11:39:55 Operator: KA
Sample : DMO STD 6 10/28/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 28 15:39 2021 Quant Results File: DOC1028.RES

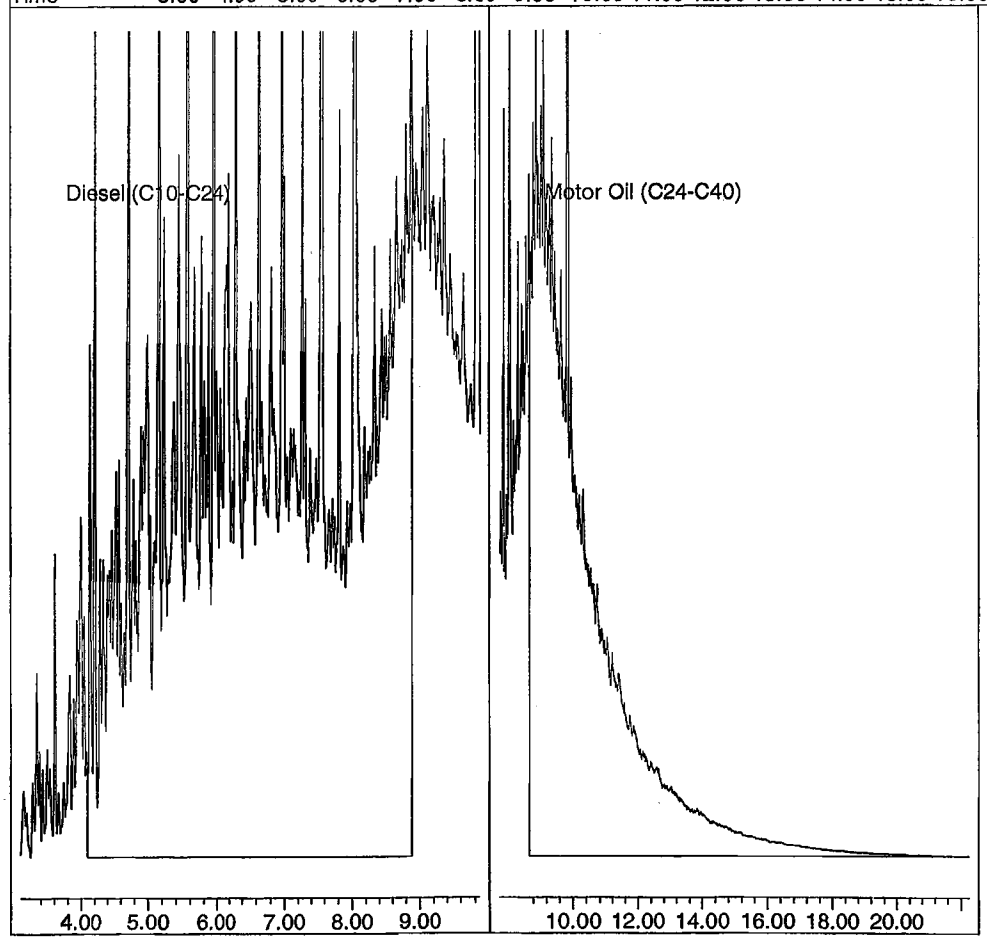
Method : G:\APOLLO\DATA\211028\DOC1028.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Oct 28 15:39:11 2021
Response via : Multiple Level Calibration

Volume 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	435798382	69.672 ppb
Surrogate Spike 30.000		Recovery =	232.24%
4) SA Octacosane(S)	9.84	325688048	72.009 ppb
Surrogate Spike 30.000		Recovery =	240.03%
Target Compounds			
1) HATM Diesel (C10-C24)	6.49	7163144090	1423.140 ppb
2) HBTM Motor Oil (C24-C40)	14.96	5028351305	1472.405 ppb
Target Compounds			

Data File: G:\APOLLO\DATA\211028\1028008.D
Sample : DMO STD 6 10/28/21





Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\211028\1028009.D Vial: 9
Acq On : 10-28-21 12:08:10 Operator: KA
Sample : DMO STD 7 10/28/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 28 15:39 2021 Quant Results File: DOC1028.RES

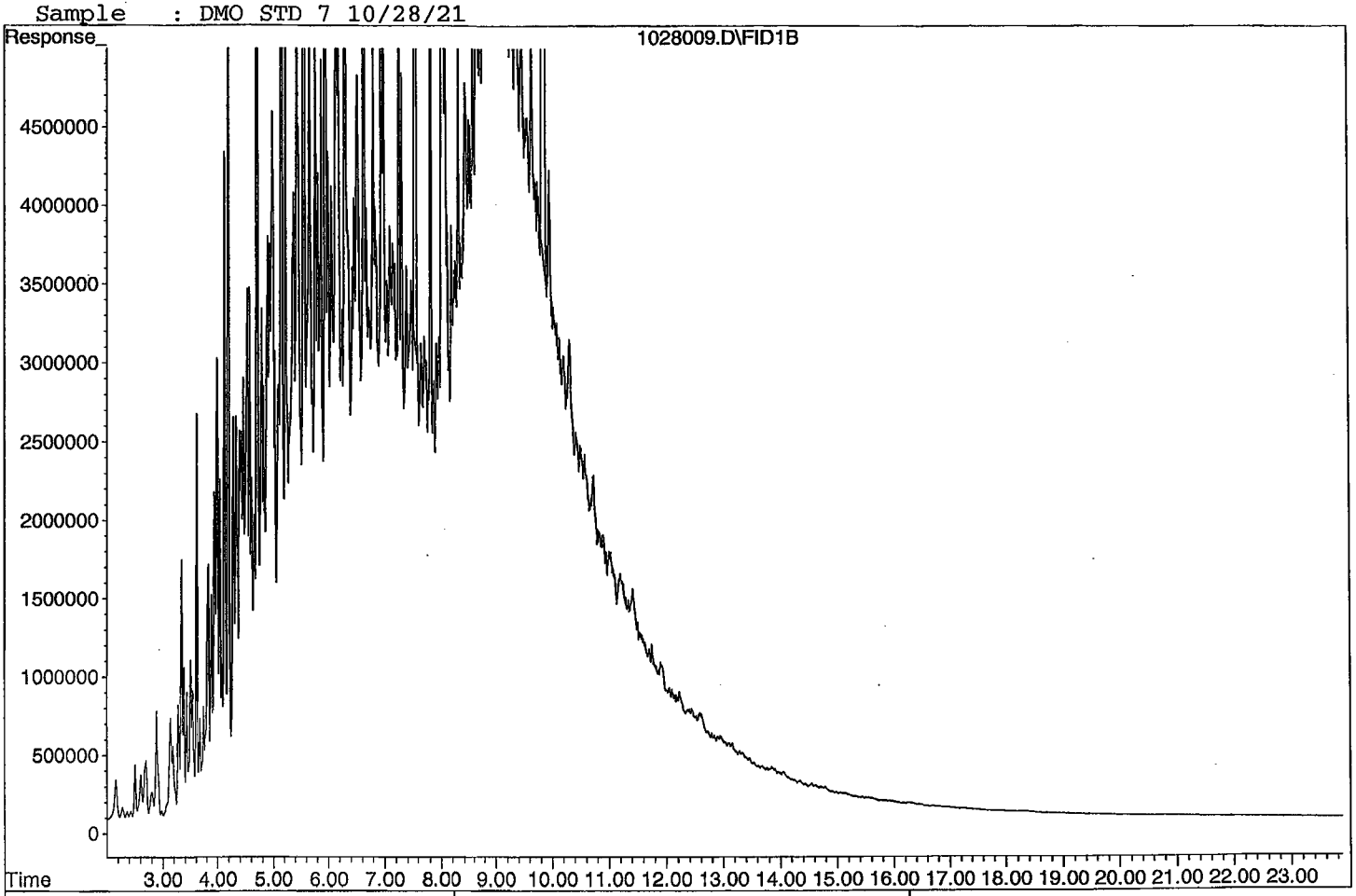
Method : G:\APOLLO\DATA\211028\DOC1028.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Oct 28 15:39:11 2021
Response via : Multiple Level Calibration

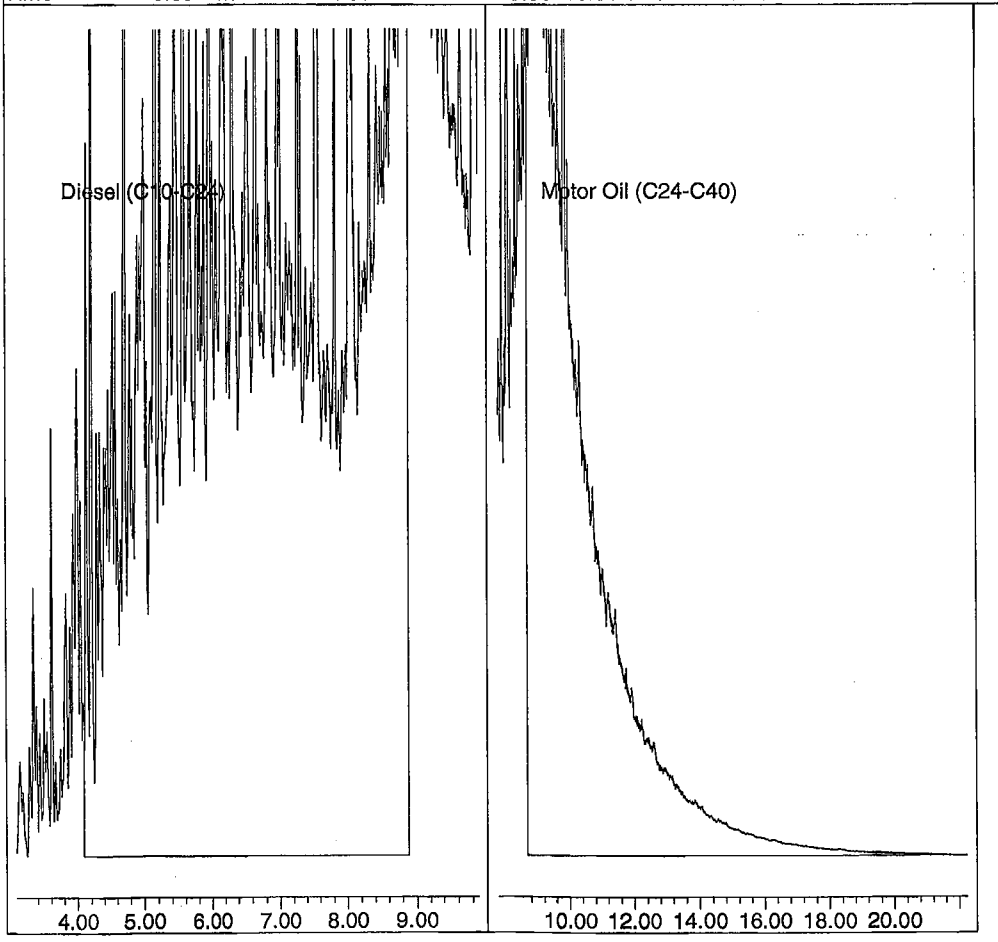
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
3) SA Ortho-Terphenyl(S)	7.54	617758709	98.762	ppb
Surrogate Spike 30.000		Recovery =	329.21%	
4) SA Octacosane(S)	9.85	457331573	101.116	ppb
Surrogate Spike 30.000		Recovery =	337.05%	
Target Compounds				
1) HATM Diesel (C10-C24)	6.49	10255165539	2037.448	ppb
2) HBTM Motor Oil (C24-C40)	14.96	6914631831	2028.526	ppb

Target Compounds

Data File: G:\APOLLO\DATA\211028\1028009.D
Sample : DMO STD 7 10/28/21





TPH Extractables
DOC1028

Form 7

Second Source Calibration

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

SDG No:
Date Analyzed: 10/28/2021
Instrument: Apollo
Initial Cal. Date: 10/28/2021
Data File: 1028010.D

		Compound	MEAN	CCRF	%D		%Drift
1	HATM	Diesel (C10-C24)	2516670	2266400	9.9	HATM	
2	HBTM	Motor Oil (C24-C40)	2492040	1663520	33	HBTML	5.9
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		Average			21.5		

Quantitation Report (Not Reviewed)

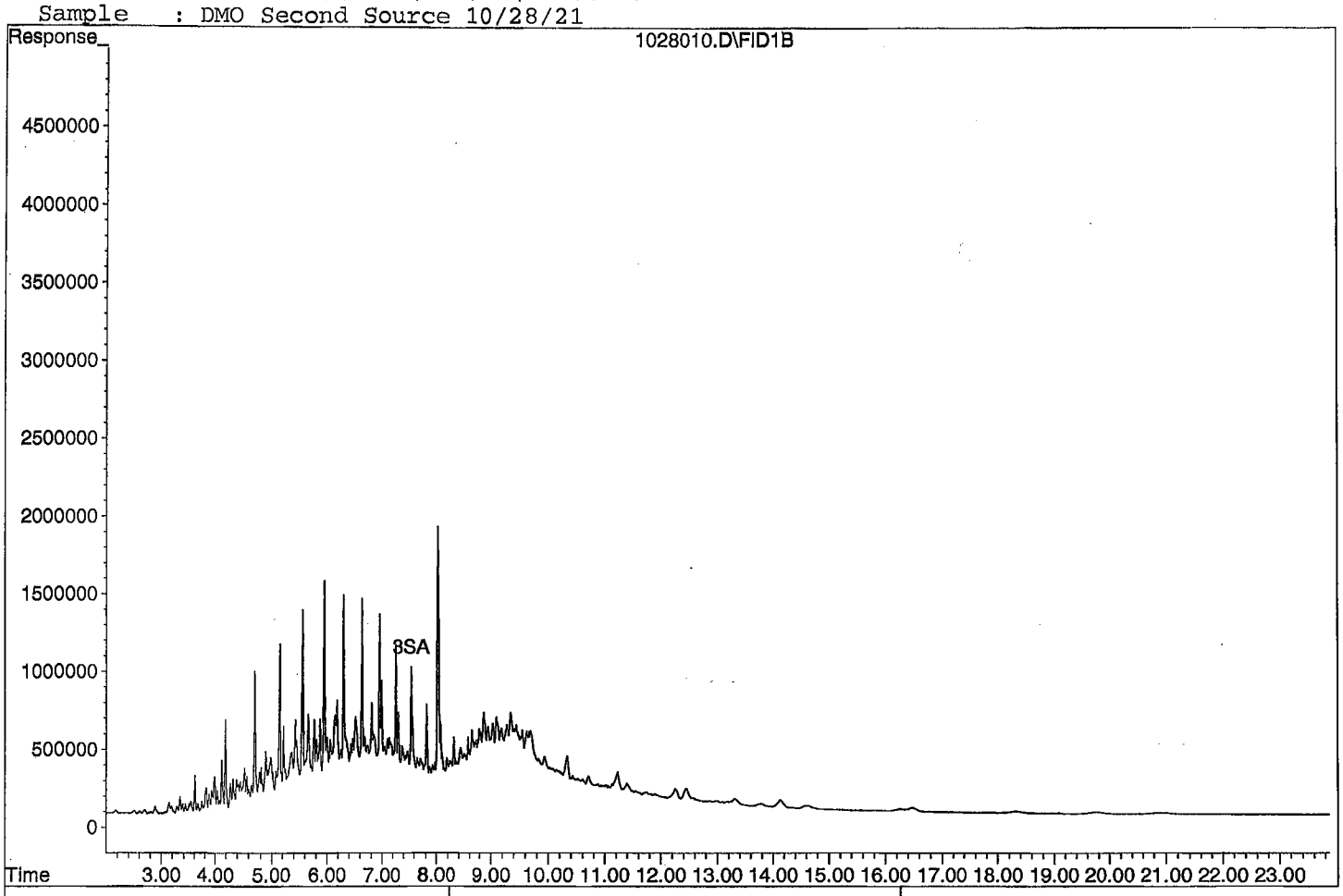
Data File : G:\APOLLO\DATA\211028\1028010.D Vial: 10
Acq On : 10-28-21 12:36:26 Operator: KA
Sample : DMO Second Source 10/28/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 28 15:39 2021 Quant Results File: DOC1028.RES

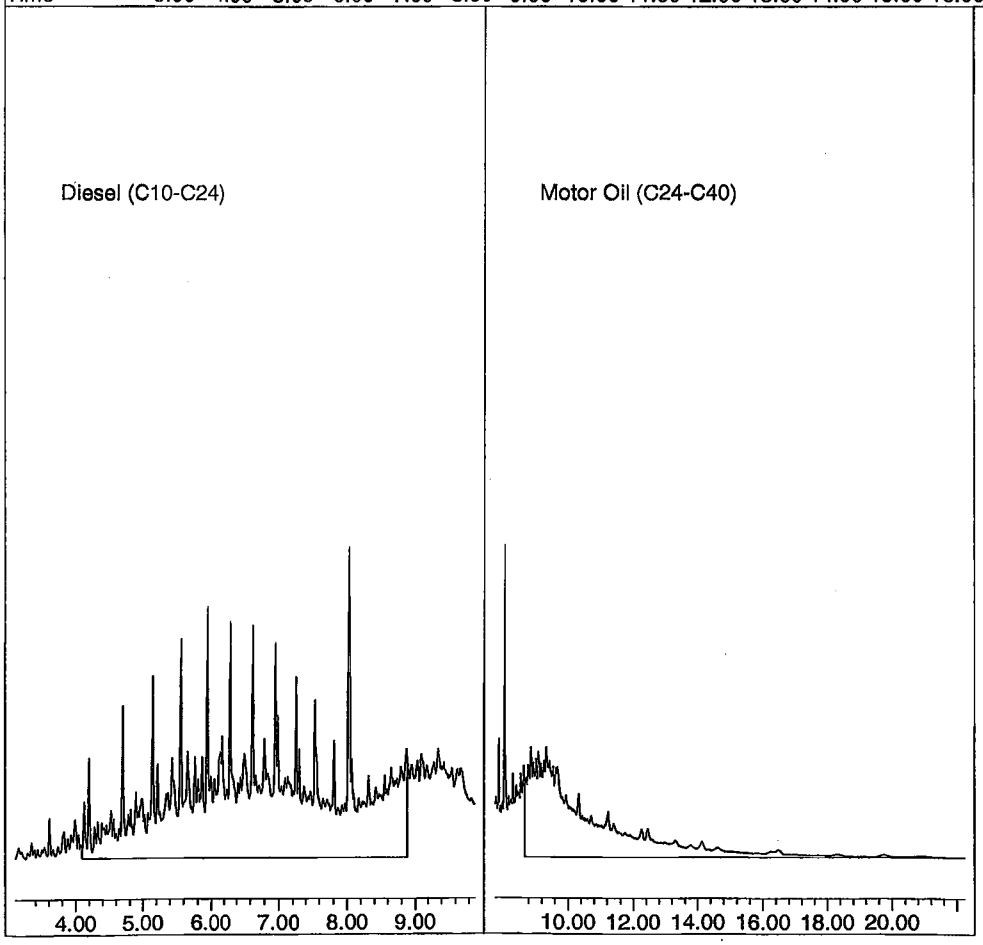
Method : G:\APOLLO\DATA\211028\DOC1028.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Oct 28 15:39:11 2021
Response via : Multiple Level Calibration

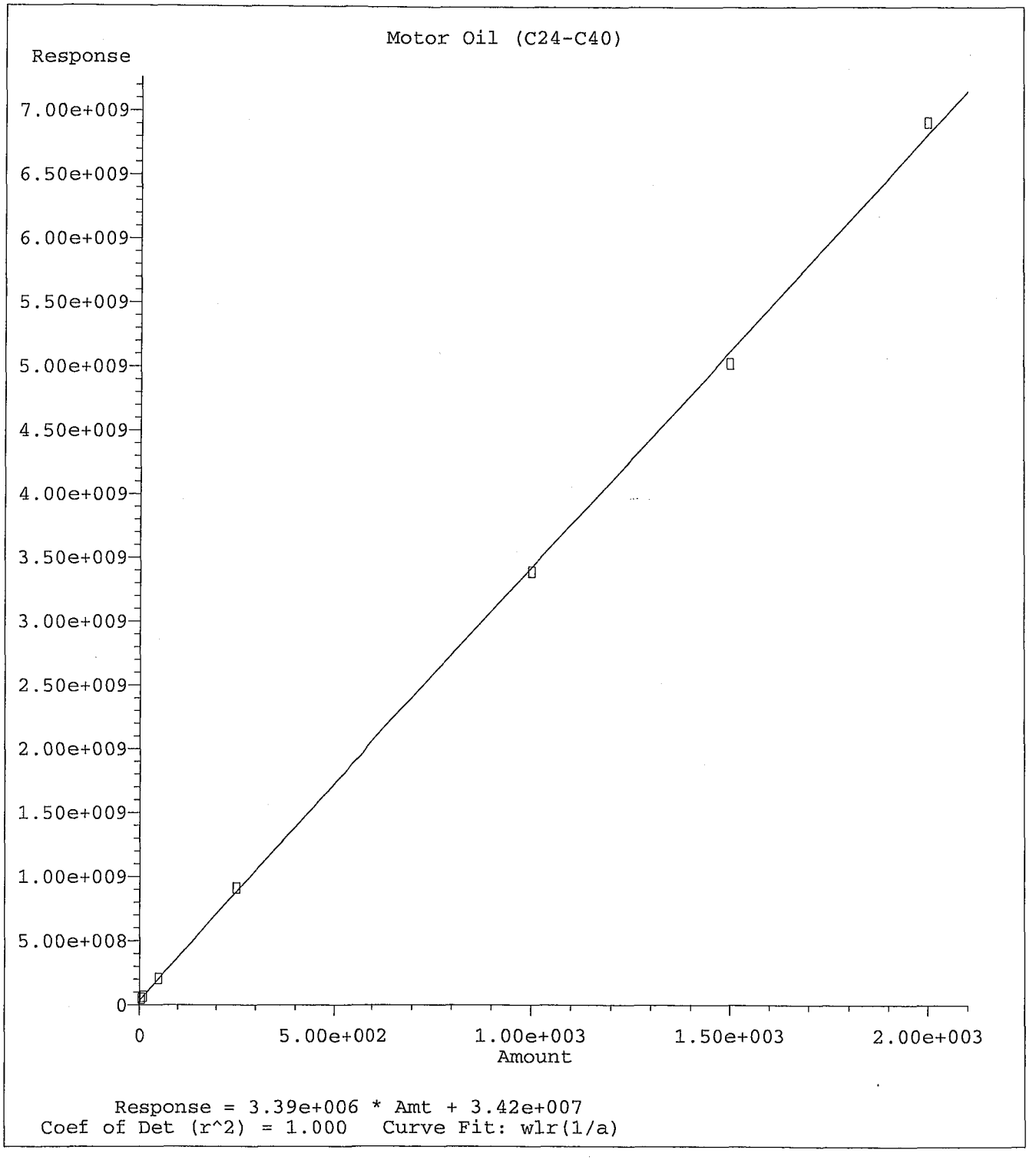
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.53	4250105	0.679 ppb
Surrogate Spike 30.000	Recovery	=	2.26%
4) SA Octacosane(S)	9.83	-3553	N.D. ppb
Surrogate Spike 30.000	Recovery	=	0.00%
Target Compounds			
1) HATM Diesel (C10-C24)	6.49	1133202337	225.139 ppb
2) HBTM Motor Oil (C24-C40)	14.96	831758038	235.148 ppb
Target Compounds			

Data File: G:\APOLLO\DATA\211028\1028010.D
Sample : DMO Second Source 10/28/21







Method Name: G:\APOLLO\DATA\211028\DOC1028.M
Calibration Table Last Updated: Thu Oct 28 15:37:06 2021

TPH Extractables
DOC1028

Form 7

Continuing Calibration

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

SDG No:
Date Analyzed: 10/30/2021
Instrument: Apollo
Initial Cal. Date: 10/28/2021
Data File: 1030027.D

		Compound	MEAN	CCRF	%D	%Drift	
1	HATM	Diesel (C10-C24)	2516670	2223900	12	HATM	
2	HBTM	Motor Oil (C24-C40)	2492040	1662140	33	HBTML	6.0
3	SA	Ortho-Terphenyl(S)	3127510	2694800	14	SA	
4	SA	Octacosane(S)	2261430	2045590	9.5	SA	
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		Average			17.1		

Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\211030\1030027.D Vial: 27
Acq On : 10-30-21 23:35:45 Operator: KA
Sample : DMO LVL4 CCV 10/27/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Nov 1 7:13 2021 Quant Results File: DOC1028.RES

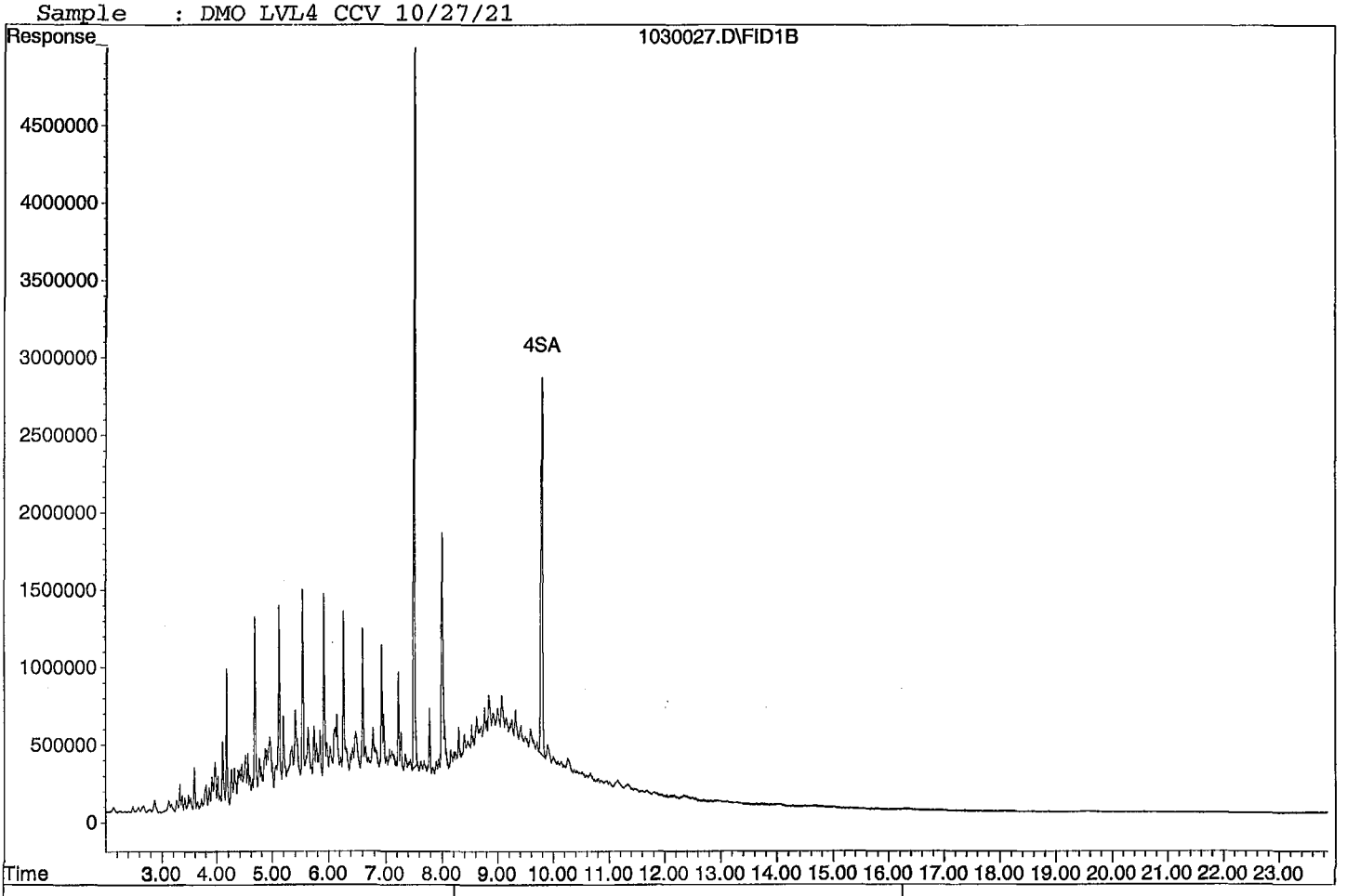
Method : G:\APOLLO\DATA\211028\DOC1028.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Nov 18 13:26:01 2021
Response via : Multiple Level Calibration

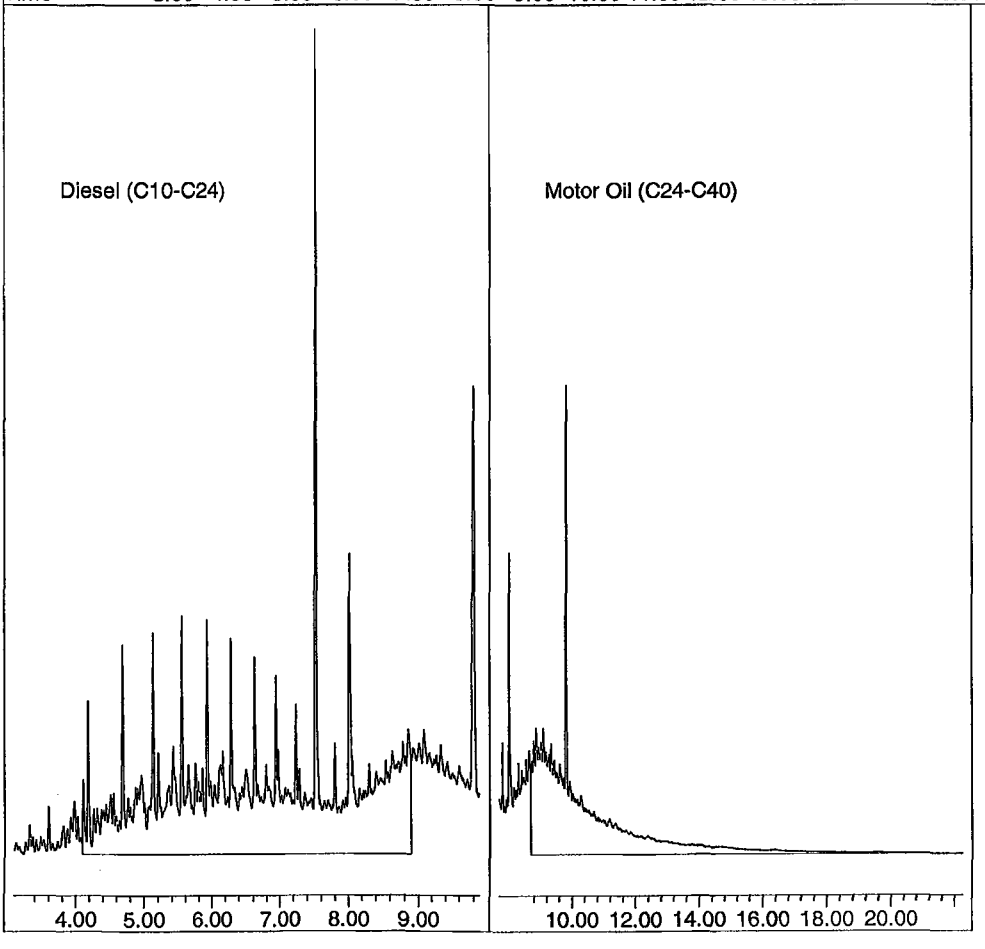
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.51	67370053	10.771 ppb
Surrogate Spike 30.000		Recovery =	35.90%
4) SA Octacosane(S)	9.79	51139821	11.307 ppb
Surrogate Spike 30.000		Recovery =	37.69%
Target Compounds			
1) HATM Diesel (C10-C24)	6.49	1111948802	220.917 ppb
2) HBTM Motor Oil (C24-C40)	14.96	831070275	234.945 ppb
Target Compounds			

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

Data File: G:\APOLLO\DATA\211030\1030027.D
Sample : DMO LVL4 CCV 10/27/21





TPH Extractables
DOC1028

Form 7

Continuing Calibration

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

SDG No:
Date Analyzed: 10/31/2021
Instrument: Apollo
Initial Cal. Date: 10/28/2021
Data File: 1030045.D

		Compound	MEAN	CCRF	%D	%Drift	
1	HATM	Diesel (C10-C24)	2516670	2236810	11	HATM	
2	HBTM	Motor Oil (C24-C40)	2492040	1647930	34	HBTML	6.9
3	SA	Ortho-Terphenyl(S)	3127510	2776170	11	SA	
4	SA	Octacosane(S)	2261430	2054350	9.2	SA	
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		Average			16.3		

Quantitation Report (Not Reviewed)

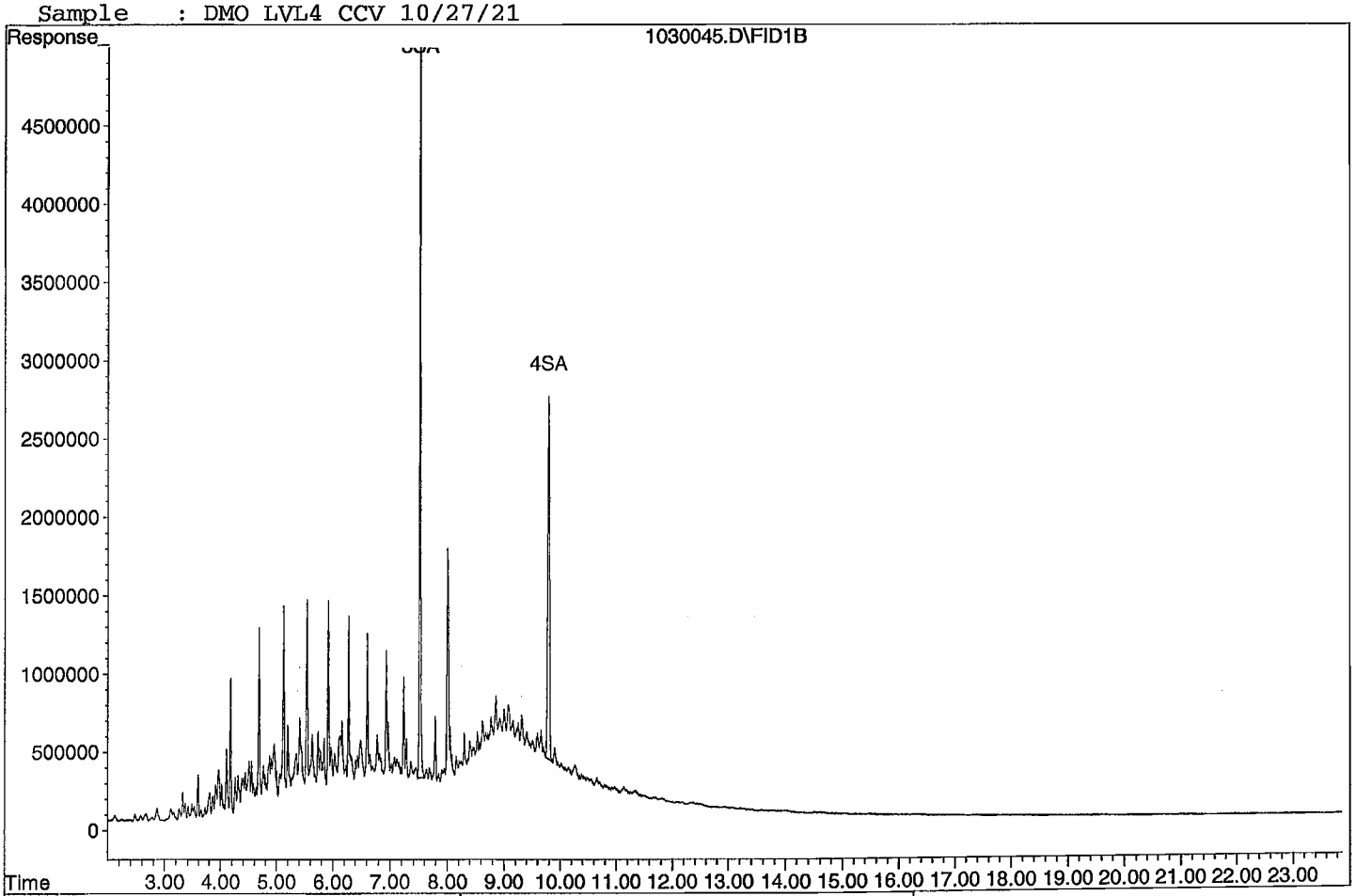
Data File : G:\APOLLO\DATA\211030\1030045.D Vial: 45
Acq On : 10-31-21 8:01:28 Operator: KA
Sample : DMO LVL4 CCV 10/27/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Nov 1 7:14 2021 Quant Results File: DOC1028.RES

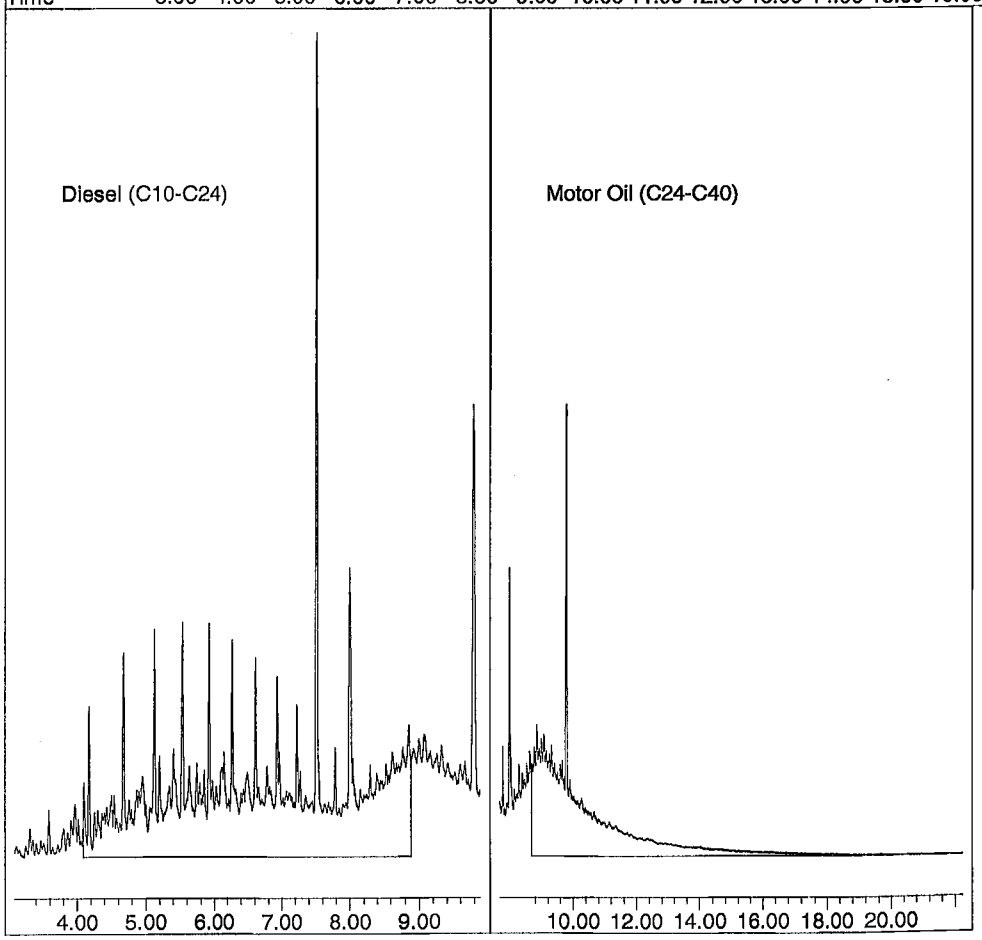
Method : G:\APOLLO\DATA\211028\DOC1028.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Nov 18 13:26:01 2021
Response via : Multiple Level Calibration

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

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.51	69404369	11.096 ppb
Surrogate Spike 30.000	Recovery =		36.99%
4) SA Octacosane(S)	9.79	51358830	11.355 ppb
Surrogate Spike 30.000	Recovery =		37.85%
Target Compounds			
1) HATM Diesel (C10-C24)	6.49	1118404820	222.199 ppb
2) HBTM Motor Oil (C24-C40)	14.96	823964400	232.850 ppb
Target Compounds			

Data File: G:\APOLLO\DATA\211030\1030045.D
Sample : DMO LVL4 CCV 10/27/21





TPH Extractables
DOC1028

Form 7
Continuing Calibration

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

SDG No:
Date Analyzed: 11/8/2021
Instrument: Apollo
Initial Cal. Date: 10/28/2021
Data File: 1108003.D

		Compound	MEAN	CCRF	%D	%Drift	
1	HATM	Diesel (C10-C24)	2516670	2248770	11	HATM	
2	HBTM	Motor Oil (C24-C40)	2492040	1699080	32	HBTML	3.8
3	SA	Ortho-Terphenyl(S)	3127510	2754180	12	SA	
4	SA	Octacosane(S)	2261430	2047460	9.5	SA	
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		Average			16.1		

Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\211108\1108003.D Vial: 3
Acq On : 11-8-21 10:31:54 Operator: KA
Sample : DMO LVL 4 CCV 10/27/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Nov 8 17:00 2021 Quant Results File: DOC1028.RES

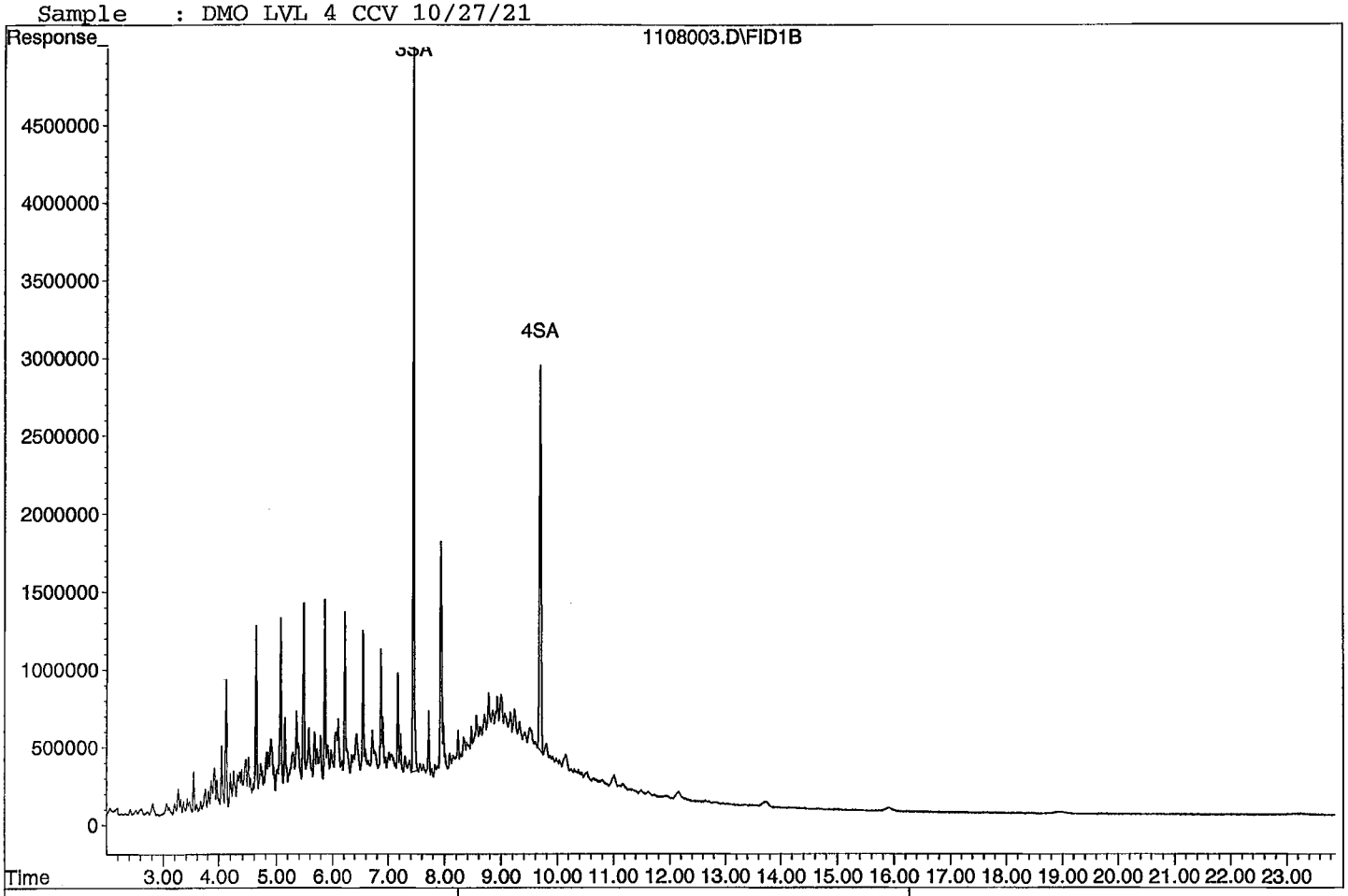
Method : G:\APOLLO\DATA\211028\DOC1028.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Nov 18 13:26:01 2021
Response via : Multiple Level Calibration

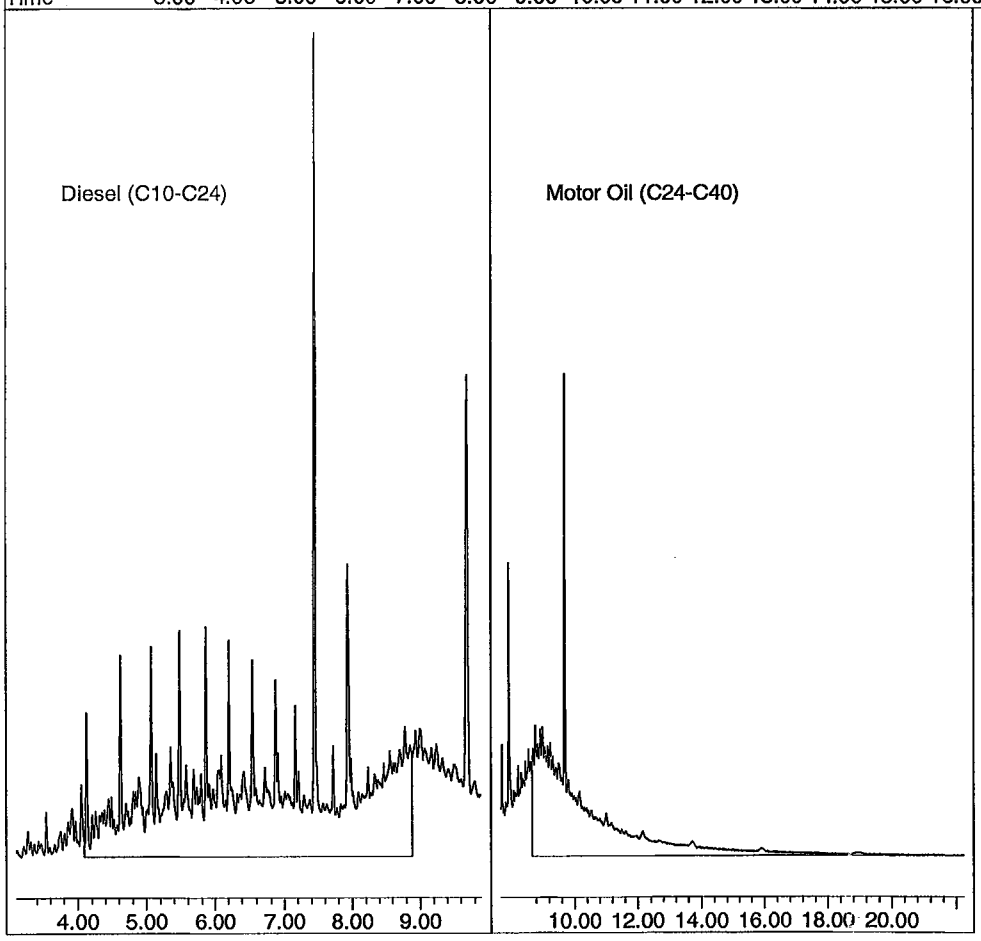
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.44	68854523	11.008 ppb
Surrogate Spike 30.000	Recovery =		36.69%
4) SA Octacosane(S)	9.69	51186405	11.317 ppb
Surrogate Spike 30.000	Recovery =		37.72%
Target Compounds			
1) HATM Diesel (C10-C24)	6.49	1124387308	223.388 ppb
2) HBTM Motor Oil (C24-C40)	14.96	849539390	240.390 ppb
Target Compounds			

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

Data File: G:\APOLLO\DATA\211108\1108003.D
Sample : DMO LVL 4 CCV 10/27/21





TPH Extractables
DOC1028

Form 7

Continuing Calibration

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

SDG No:
Date Analyzed: 11/8/2021
Instrument: Apollo
Initial Cal. Date: 10/28/2021
Data File: 1108017.D

		Compound	MEAN	CCRF	%D	%Drift	
1	HATM	Diesel (C10-C24)	2516670	2295230	8.8	HATM	
2	HBTM	Motor Oil (C24-C40)	2492040	1716250	31	HBTML	2.8
3	SA	Ortho-Terphenyl(S)	3127510	2824680	9.7	SA	
4	SA	Octacosane(S)	2261430	2071250	8.4	SA	
5							
6							
7							
8							
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35							
36							
37							
38							
39							
40							
		Average			14.5		

Quantitation Report (Not Reviewed)

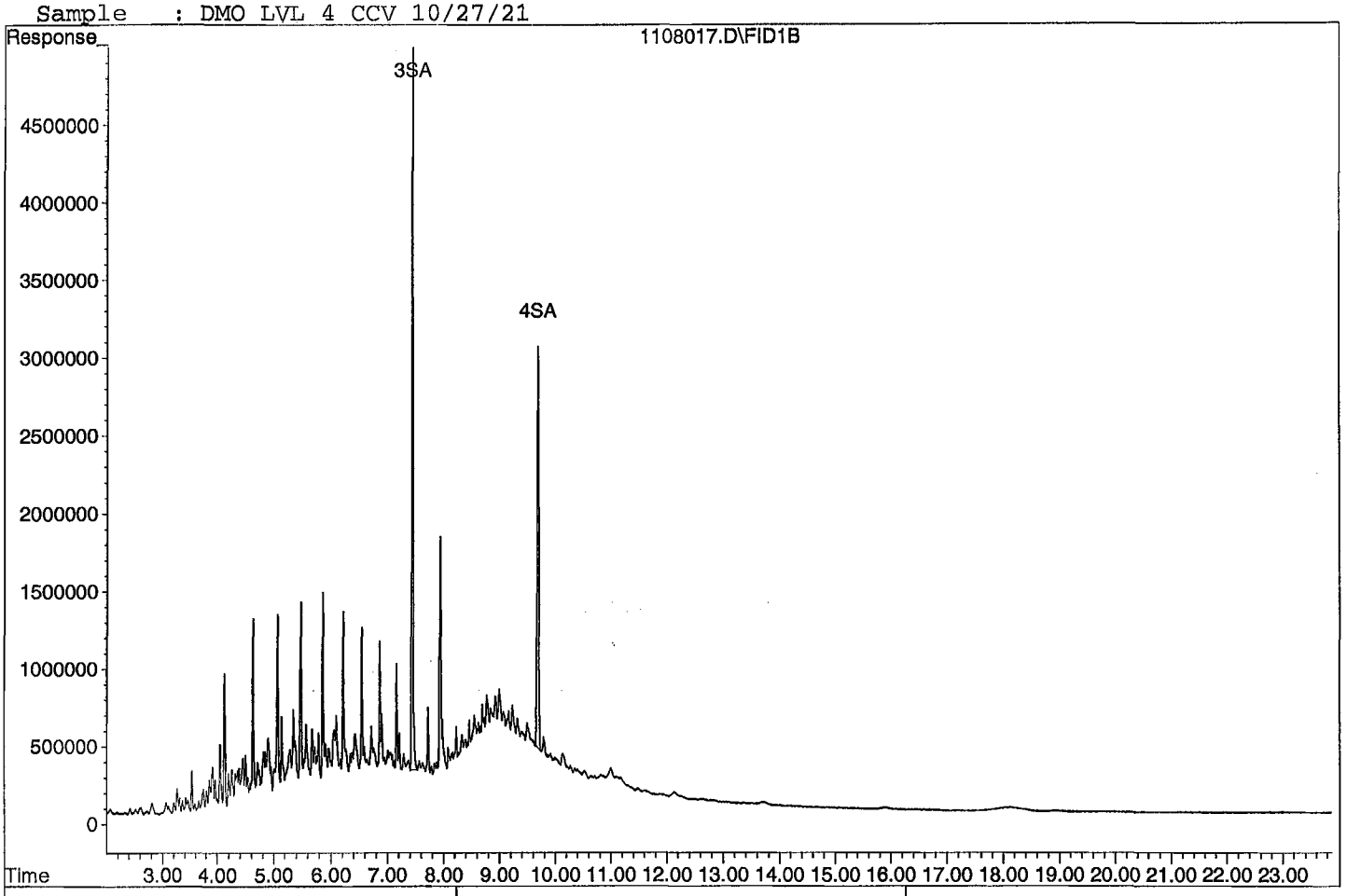
Data File : G:\APOLLO\DATA\211108\1108017.D Vial: 17
Acq On : 11-8-21 17:11:31 Operator: KA
Sample : DMO LVL 4 CCV 10/27/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Nov 9 15:46 2021 Quant Results File: DOC1028.RES

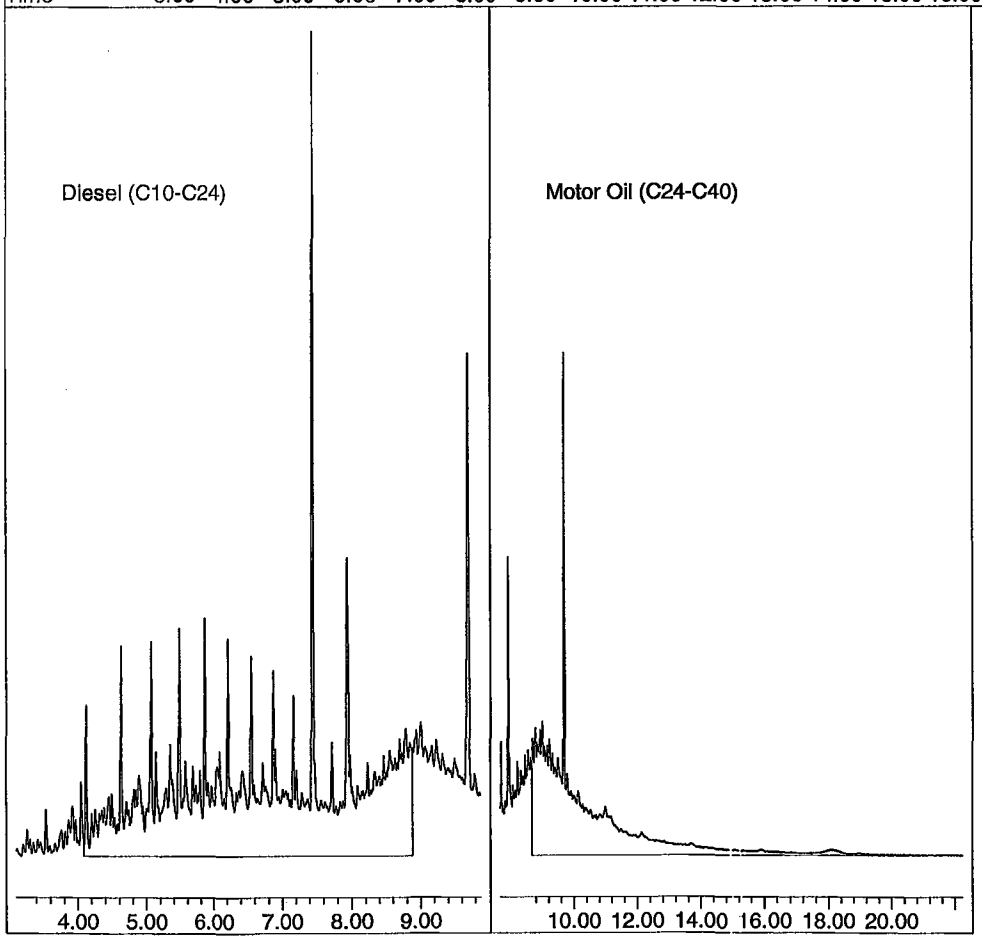
Method : G:\APOLLO\DATA\211028\DOC1028.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Nov 18 13:26:01 2021
Response via : Multiple Level Calibration

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

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.44	70616903	11.290 ppb
Surrogate Spike 30.000	Recovery =		37.63%
4) SA Octacosane(S)	9.69	51781229	11.449 ppb
Surrogate Spike 30.000	Recovery =		38.16%
Target Compounds			
1) HATM Diesel (C10-C24)	6.49	1147615574	228.003 ppb
2) HBTM Motor Oil (C24-C40)	14.96	858124559	242.921 ppb
Target Compounds			

Data File: G:\APOLLO\DATA\211108\1108017.D
Sample : DMO LVL 4 CCV 10/27/21





ORGANICS
Raw Data

Quantitation Report (QT Reviewed)

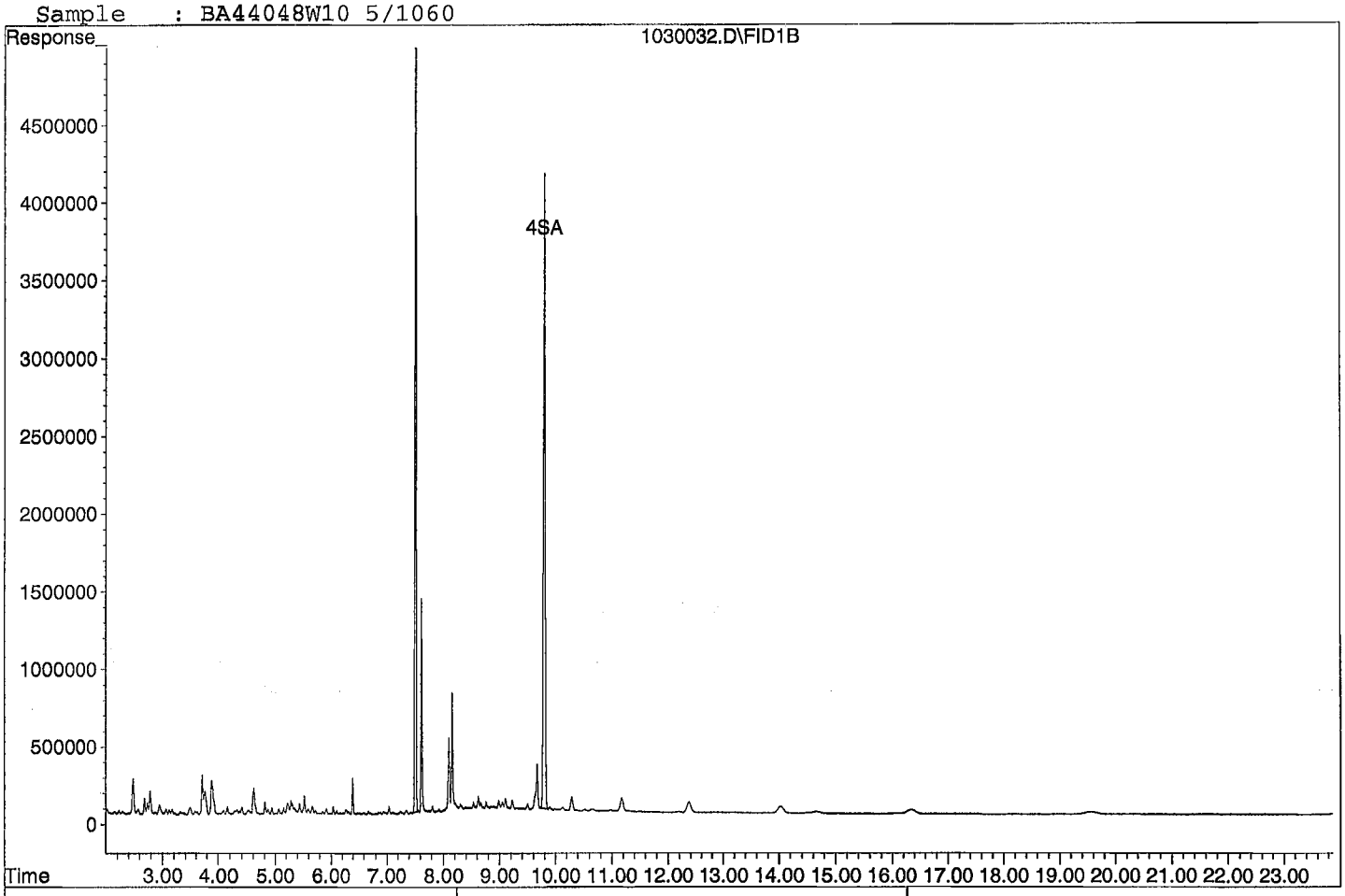
Data File : G:\APOLLO\DATA\211030\1030032.D Vial: 32
Acq On : 10-31-21 1:56:27 Operator: KA
Sample : BA44048W10 5/1060 Inst : Apollo
Misc : water Multiplr: 4.72
IntFile : events.e
Quant Time: Nov 1 12:44 2021 Quant Results File: DOC1028.RES

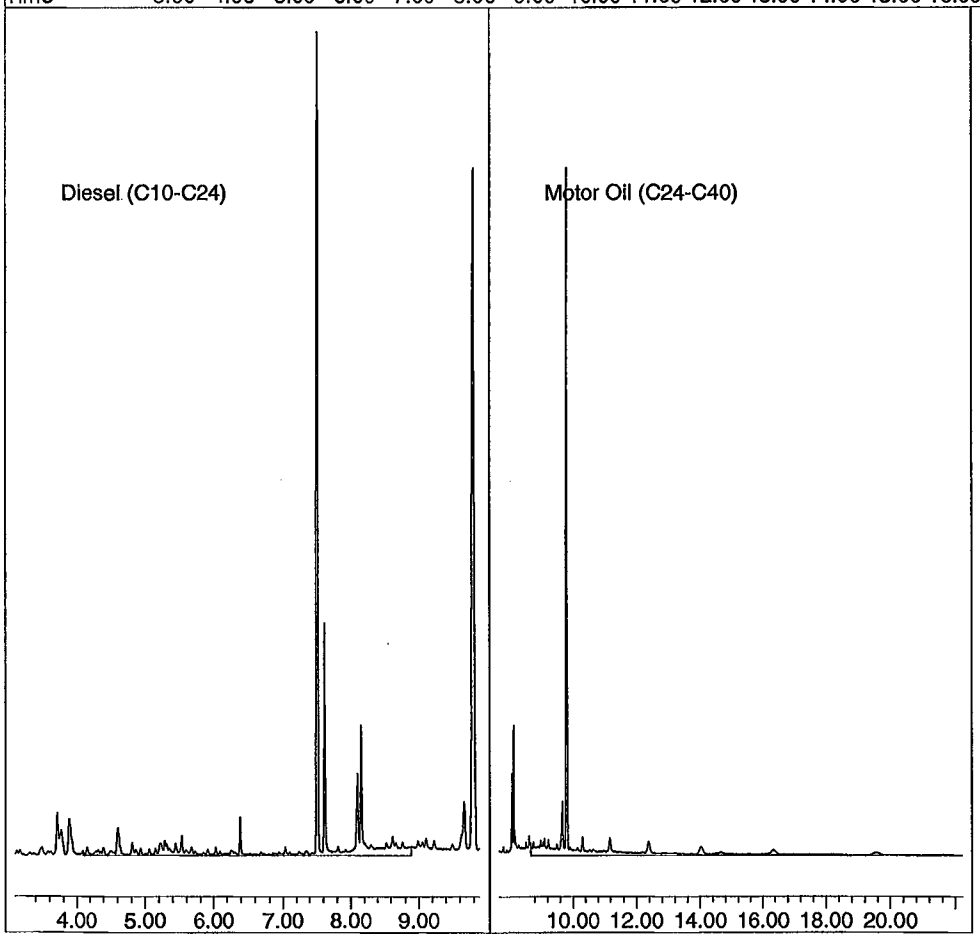
Method : G:\APOLLO\DATA\211028\DOC1028.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Nov 18 13:26:01 2021
Response via : Multiple Level Calibration

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

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.51	98512824	74.290 ppb
Surrogate Spike 141.509		Recovery =	52.50%
4) SA Octacosane(S)	9.79	87292416	91.039 ppb
Surrogate Spike 141.509		Recovery =	64.33%
Target Compounds			
1) HATM Diesel (C10-C24)	6.49	114133018	106.959 ppb
2) HBTM Motor Oil (C24-C40)	14.96	133540422	138.191 ppb
Target Compounds			

Data File: G:\APOLLO\DATA\211030\1030032.D
Sample : BA44048W10 5/1060





Quantitation Report (QT Reviewed)

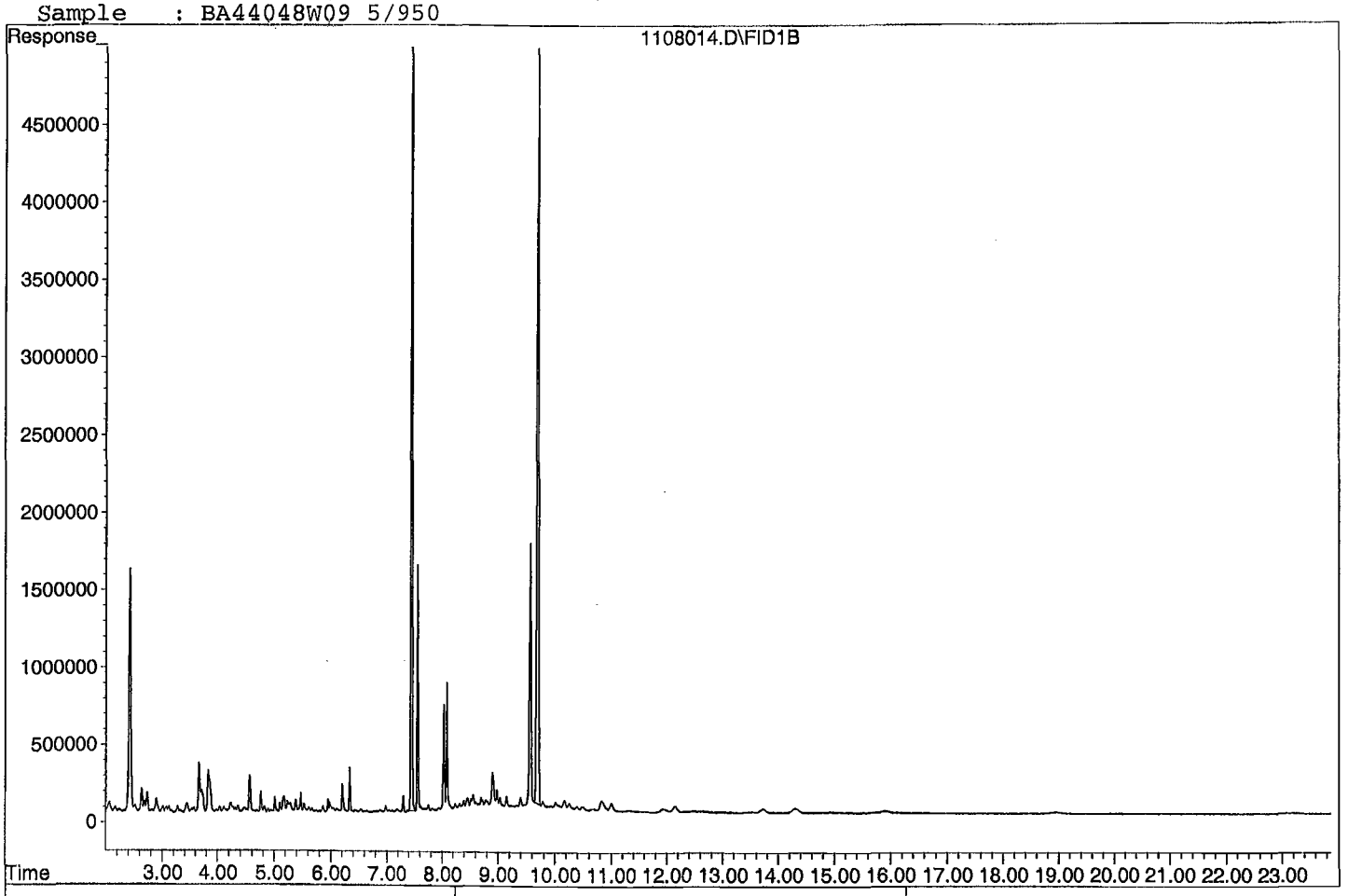
Data File : G:\APOLLO\DATA\211108\1108014.D Vial: 14
Acq On : 11-8-21 15:46:56 Operator: KA
Sample : BA44048W09 5/950 Inst : Apollo
Misc : water Multiplr: 5.26
IntFile : events.e
Quant Time: Nov 10 17:33 2021 Quant Results File: DOC1028.RES

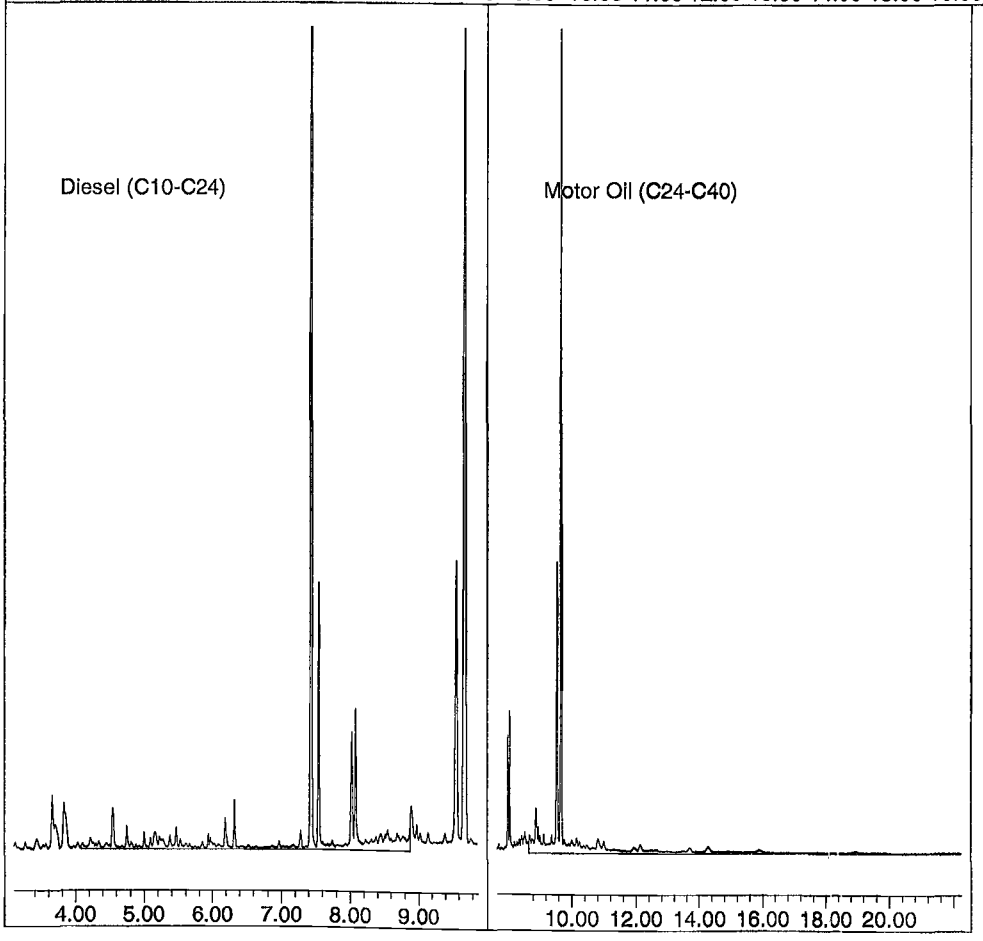
Method : G:\APOLLO\DATA\211028\DOC1028.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Nov 18 13:26:01 2021
Response via : Multiple Level Calibration

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

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.44	122864593	103.382 ppb
Surrogate Spike 157.895		Recovery =	65.48%
4) SA Octacosane(S)	9.69	109299251	127.189 ppb
Surrogate Spike 157.895		Recovery =	80.55%
Target Compounds			
1) HATM Diesel (C10-C24)	6.49	143166102	149.703 ppb
2) HBTM Motor Oil (C24-C40)	14.96	197688967	253.731 ppb
Target Compounds			

Data File: G:\APOLLO\DATA\211108\1108014.D
Sample : BA44048W09 5/950





Quantitation Report (QT Reviewed)

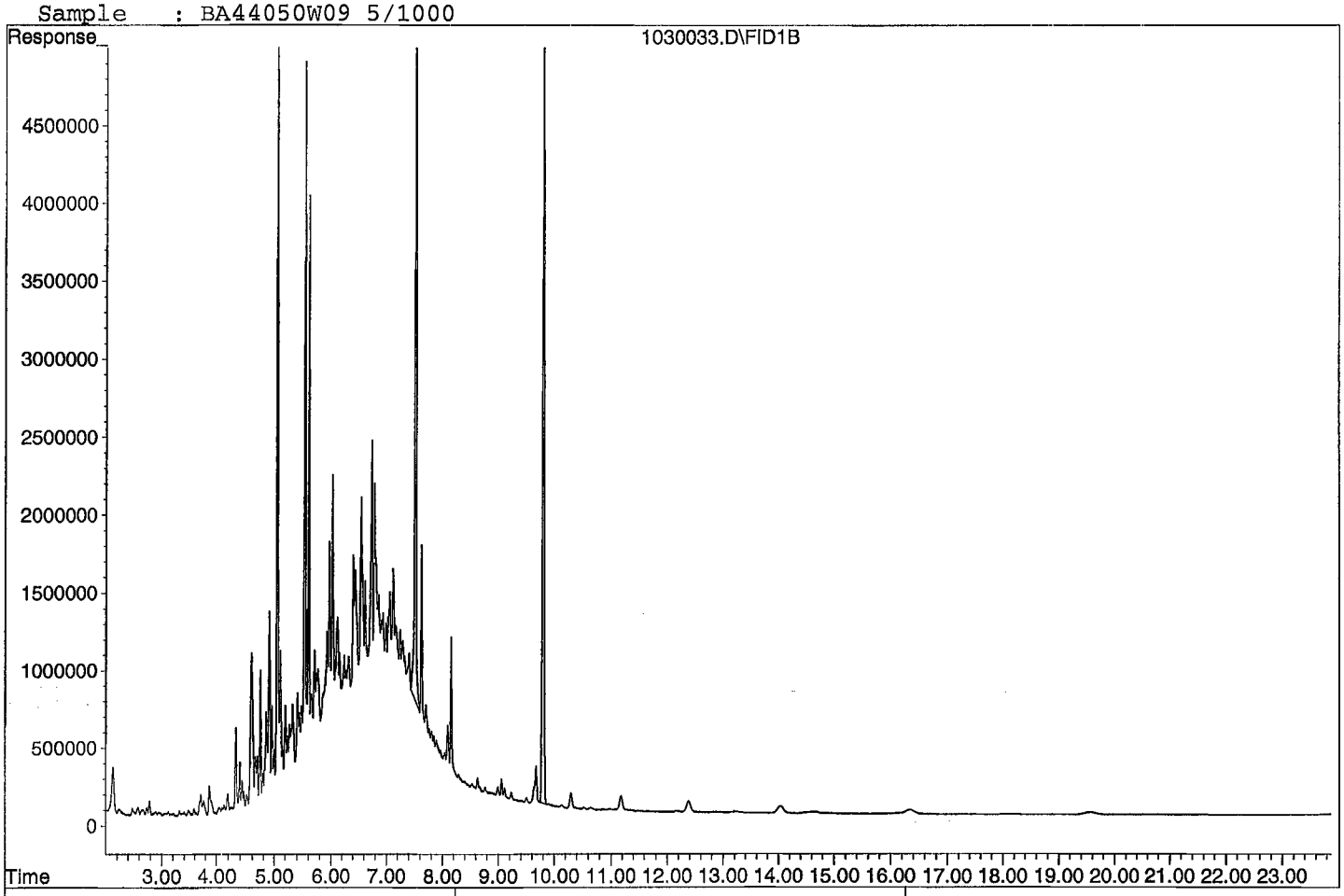
Data File : G:\APOLLO\DATA\211030\1030033.D Vial: 33
Acq On : 10-31-21 2:24:35 Operator: KA
Sample : BA44050W09 5/1000 Inst : Apollo
Misc : water Multiplr: 5.00
IntFile : events.e
Quant Time: Nov 1 12:44 2021 Quant Results File: DOC1028.RES

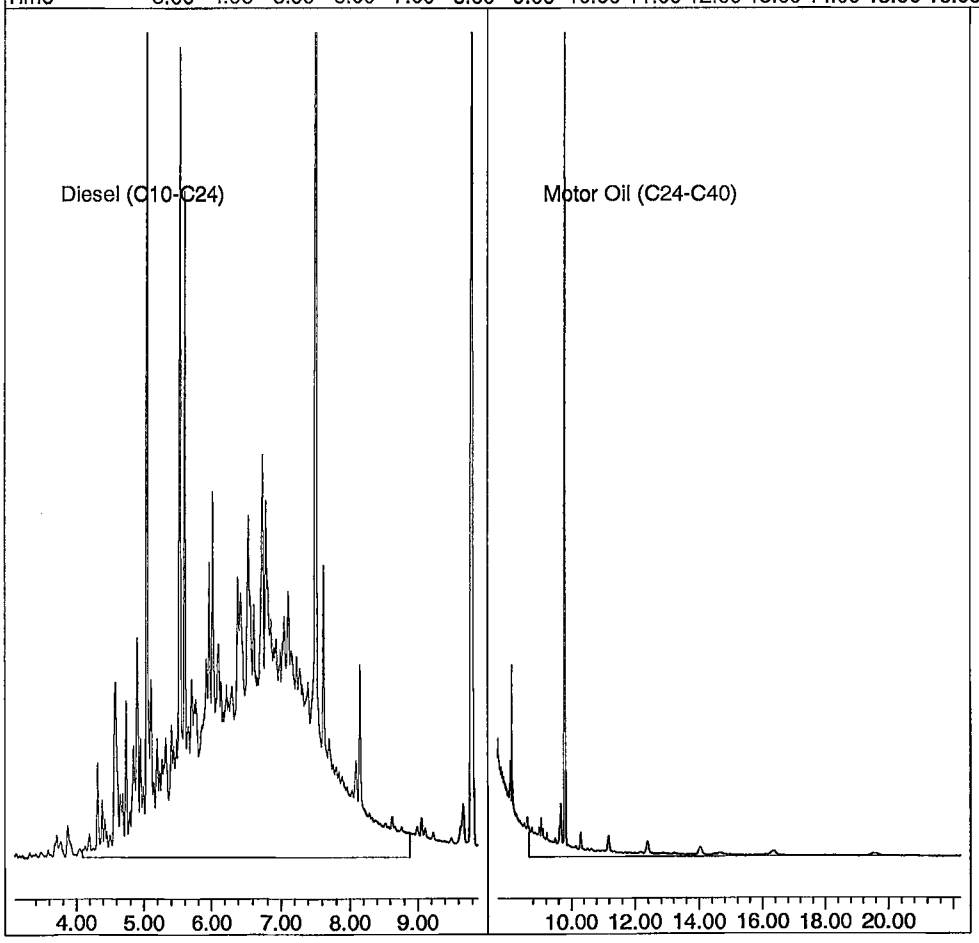
Method : G:\APOLLO\DATA\211028\DOC1028.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Nov 18 13:26:01 2021
Response via : Multiple Level Calibration

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

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.51	133668502	106.849 ppb
Surrogate Spike 150.000		Recovery =	71.23%
4) SA Octacosane(S)	9.79	111869123	123.671 ppb
Surrogate Spike 150.000		Recovery =	82.45%
Target Compounds			
1) HATM Diesel (C10-C24)	6.49	2122063384	2108.008 ppb
2) HBTM Motor Oil (C24-C40)	14.96	208356957	256.771 ppb
Target Compounds			

Data File: G:\APOLLO\DATA\211030\1030033.D
Sample : BA44050W09 5/1000





Quantitation Report (QT Reviewed)

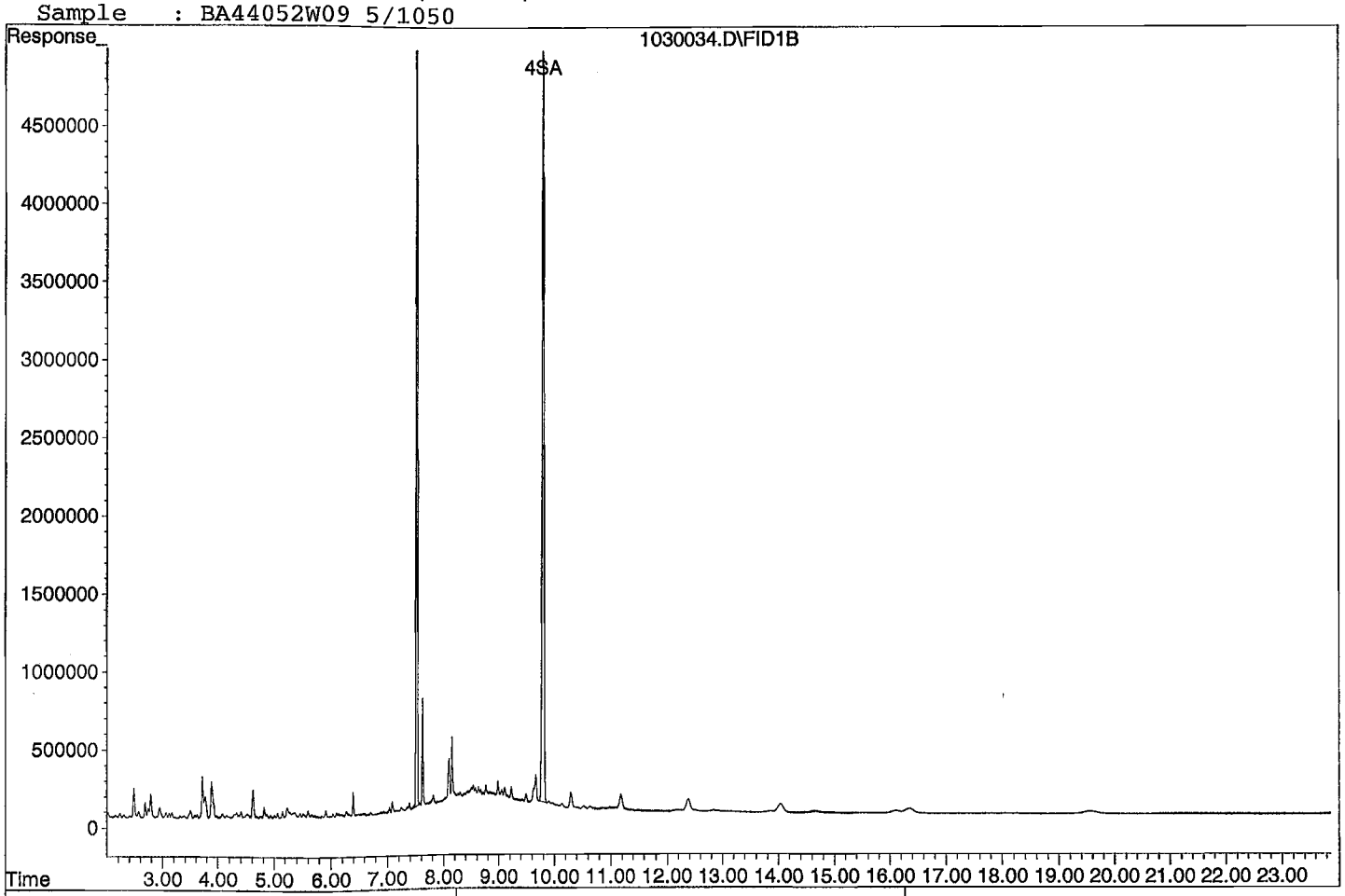
Data File : G:\APOLLO\DATA\211030\1030034.D Vial: 34
Acq On : 10-31-21 2:52:40 Operator: KA
Sample : BA44052W09 5/1050 Inst : Apollo
Misc : water Multiplr: 4.76
IntFile : events.e
Quant Time: Nov 1 12:44 2021 Quant Results File: DOC1028.RES

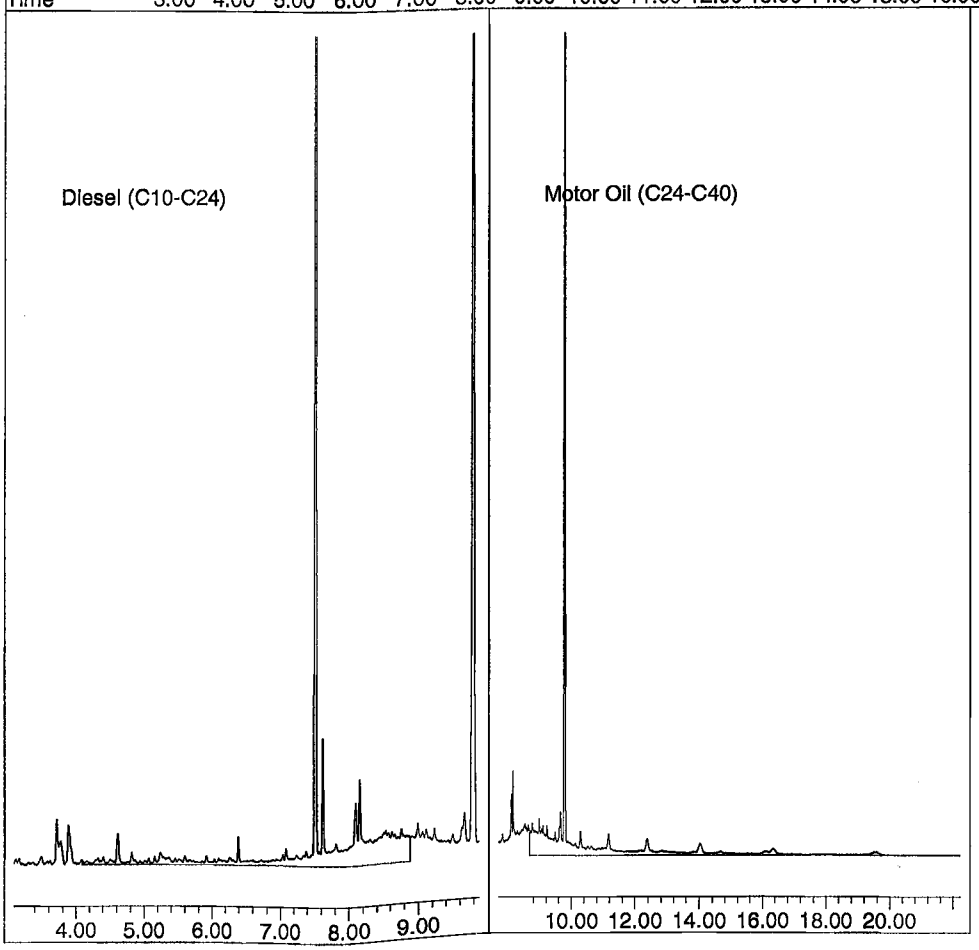
Method : G:\APOLLO\DATA\211028\DOC1028.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Nov 18 13:26:01 2021
Response via : Multiple Level Calibration

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

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.51	125302122	95.392 ppb
Surrogate Spike 142.857		Recovery =	66.77%
4) SA Octacosane(S)	9.79	113542309	119.543 ppb
Surrogate Spike 142.857		Recovery =	83.68%
Target Compounds			
1) HATM Diesel (C10-C24)	6.49	189291897	179.084 ppb
2) HBTM Motor Oil (C24-C40)	14.96	220054667	260.966 ppb
Target Compounds			

Data File: G:\APOLLO\DATA\211030\1030034.D
Sample : BA44052W09 5/1050





Quantitation Report (QT Reviewed)

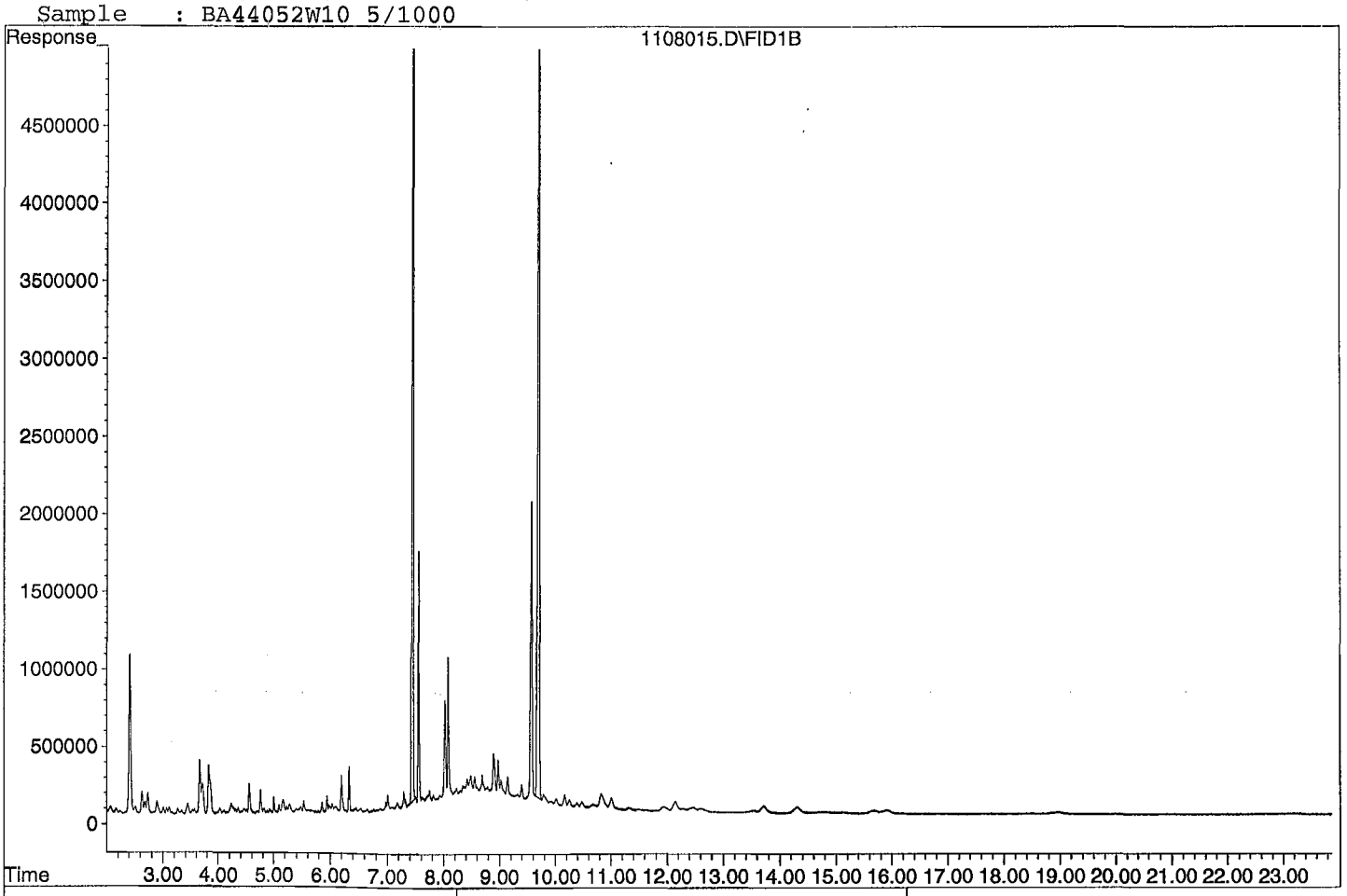
Data File : G:\APOLLO\DATA\211108\1108015.D Vial: 15
Acq On : 11-8-21 16:15:10 Operator: KA
Sample : BA44052W10 5/1000 Inst : Apollo
Misc : water Multiplr: 5.00
IntFile : events.e
Quant Time: Nov 10 17:33 2021 Quant Results File: DOC1028.RES

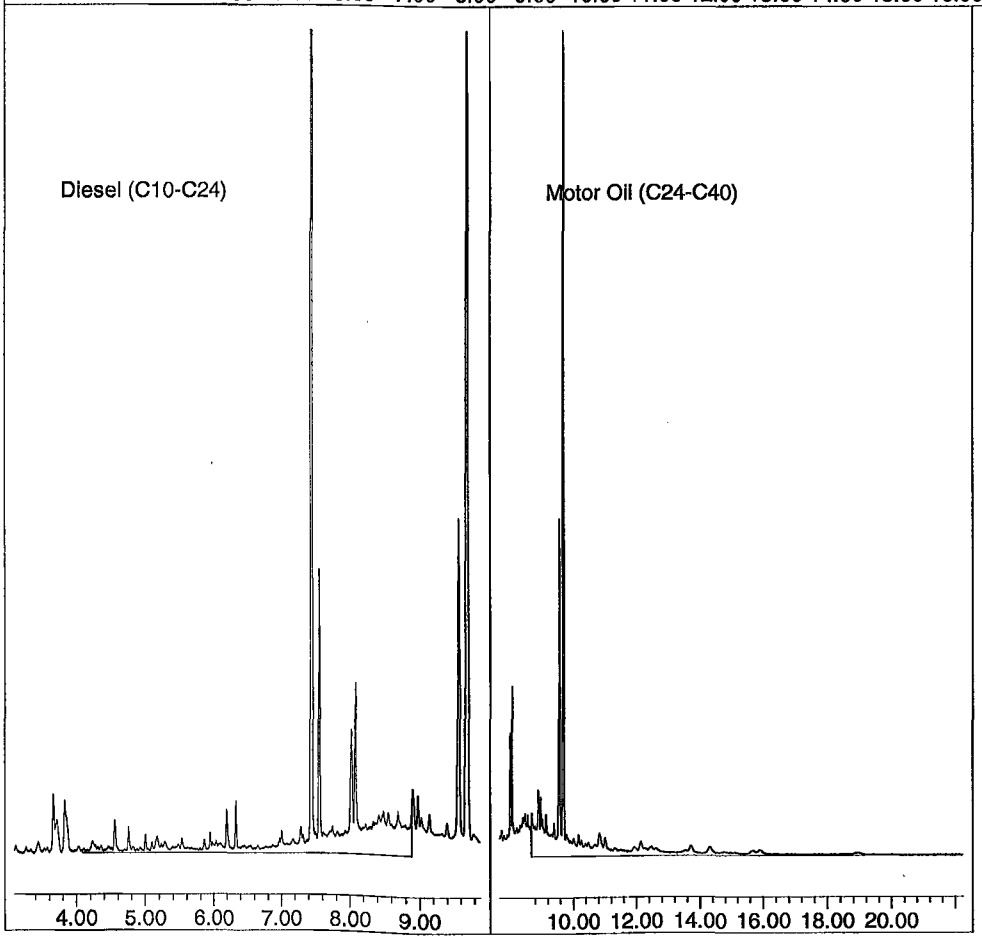
Method : G:\APOLLO\DATA\211028\DOC1028.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Nov 18 13:26:01 2021
Response via : Multiple Level Calibration

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

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.44	131718135	105.290 ppb
Surrogate Spike 150.000		Recovery =	70.19%
4) SA Octacosane(S)	9.69	118525209	131.029 ppb
Surrogate Spike 150.000		Recovery =	87.35%
Target Compounds			
1) HATM Diesel (C10-C24)	6.49	267542321	265.770 ppb
2) HBTM Motor Oil (C24-C40)	14.96	311345654	408.588 ppb
Target Compounds			

Data File: G:\APOLLO\DATA\211108\1108015.D
Sample : BA44052W10 5/1000





Quantitation Report (QT Reviewed)

Data File : G:\APOLLO\DATA\211030\1030035.D Vial: 35
Acq On : 10-31-21 3:20:46 Operator: KA
Sample : BA44054W10 5/1040 Inst : Apollo
Misc : water Multiplr: 4.81
IntFile : events.e
Quant Time: Nov 1 12:44 2021 Quant Results File: DOC1028.RES

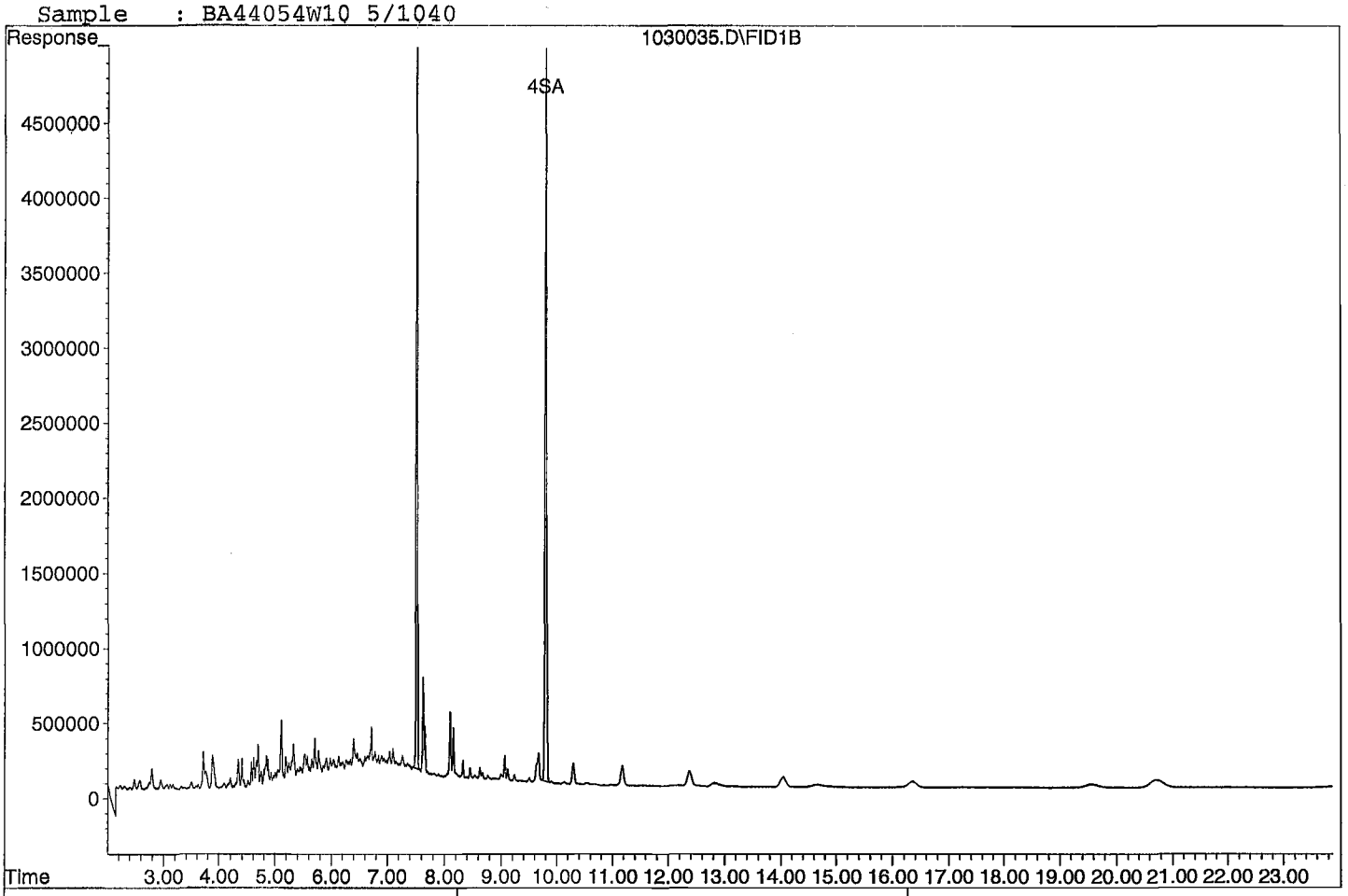
Method : G:\APOLLO\DATA\211028\DOC1028.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Nov 18 13:26:01 2021
Response via : Multiple Level Calibration

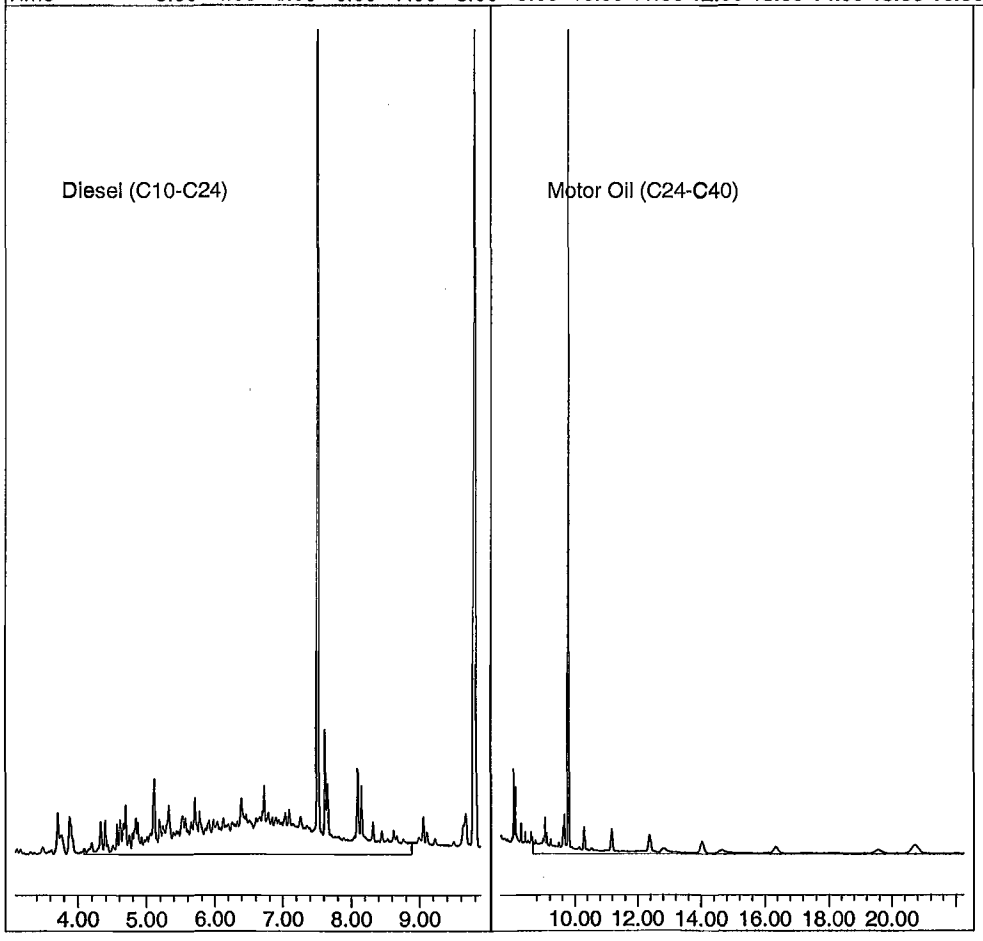
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.51	108332428	83.266 ppb
Surrogate Spike 144.231		Recovery =	57.73%
4) SA Octacosane(S)	9.79	98146182	104.327 ppb
Surrogate Spike 144.231		Recovery =	72.33%
Target Compounds			
1) HATM Diesel (C10-C24)	6.49	418200318	399.452 ppb
2) HBTM Motor Oil (C24-C40)	14.96	150578599	164.998 ppb
Target Compounds			

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

Data File: G:\APOLLO\DATA\211030\1030035.D
Sample : BA44054W10 5/1040





Quantitation Report (QT Reviewed)

Data File : G:\APOLLO\DATA\211108\1108016.D Vial: 16
Acq On : 11-8-21 16:43:22 Operator: KA
Sample : BA44054W09 5/1000 Inst : Apollo
Misc : water Multiplr: 5.00
IntFile : events.e
Quant Time: Nov 10 17:34 2021 Quant Results File: DOC1028.RES

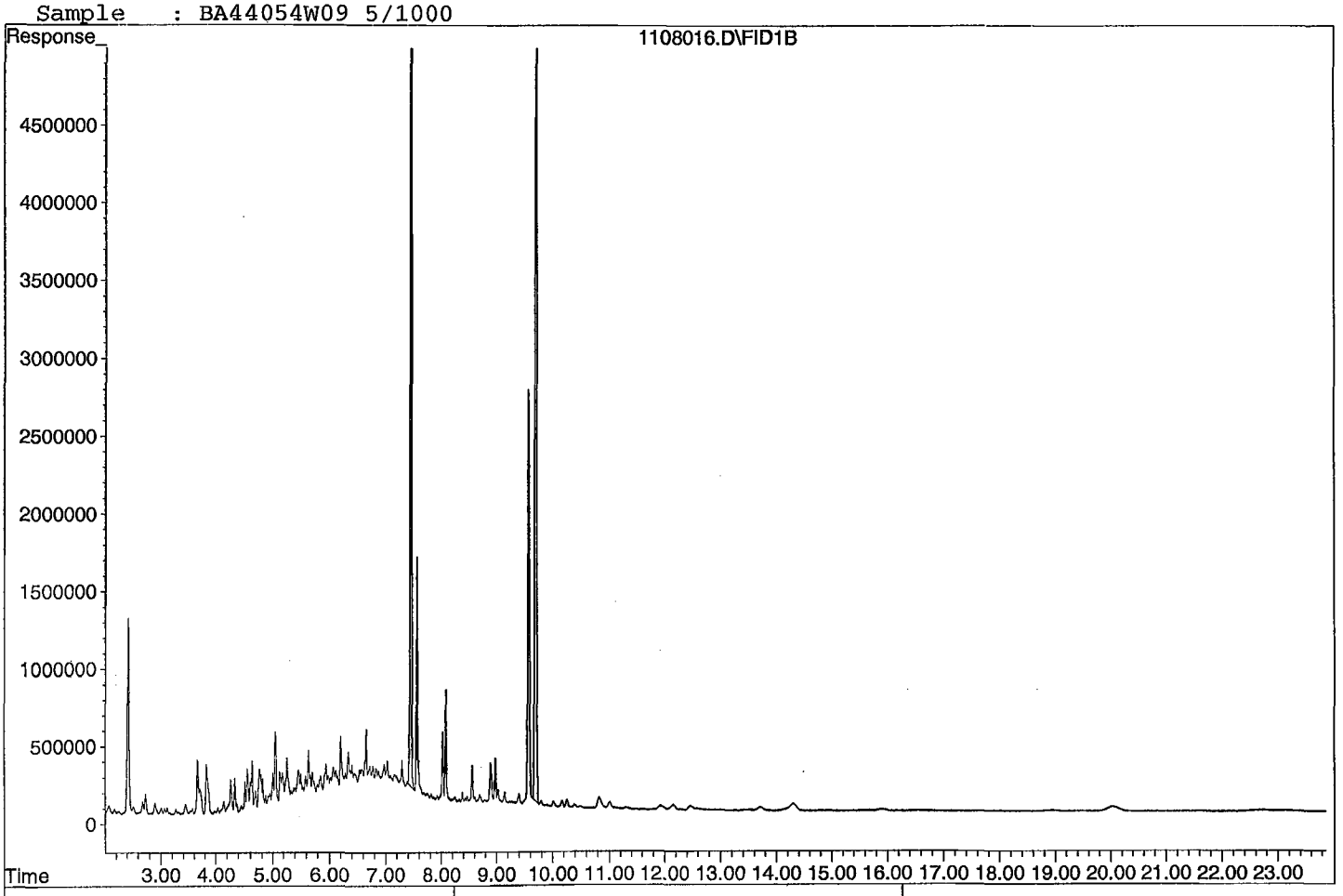
Method : G:\APOLLO\DATA\211028\DOC1028.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Nov 18 13:26:01 2021
Response via : Multiple Level Calibration

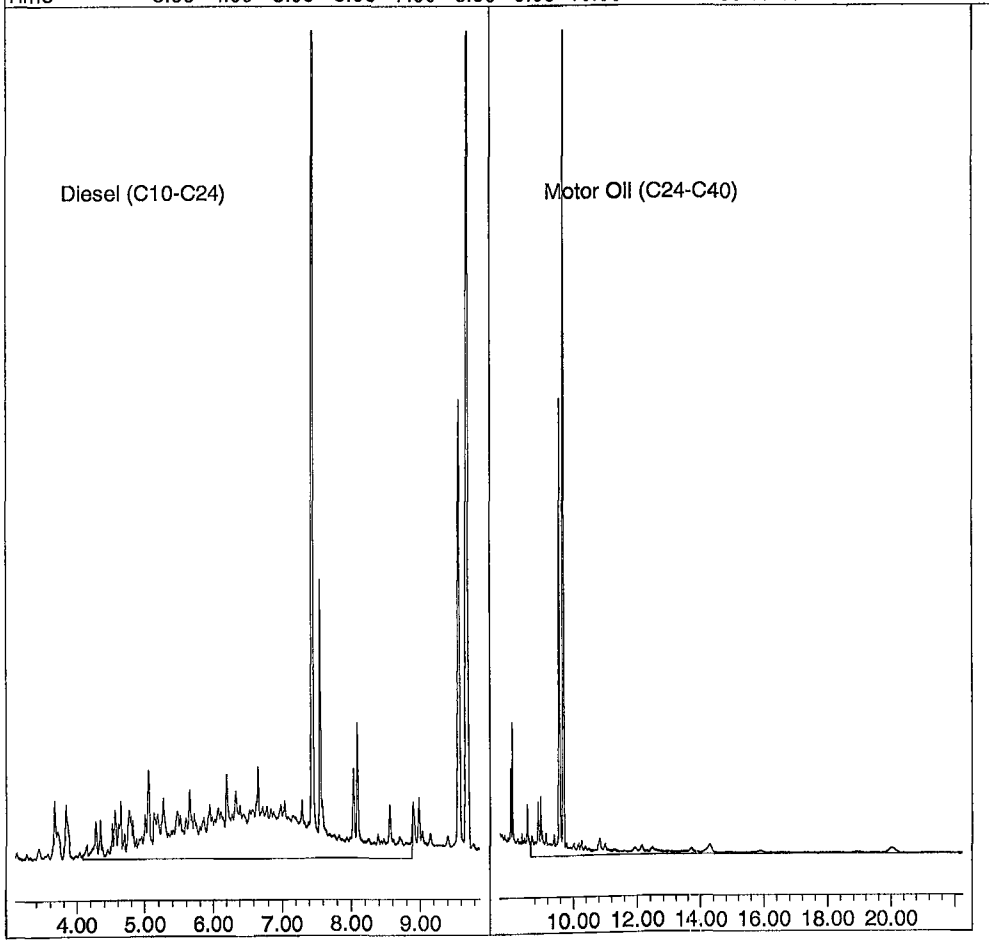
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.44	136316451	108.966 ppb
Surrogate Spike 150.000		Recovery =	72.64%
4) SA Octacosane(S)	9.69	120365151	133.063 ppb
Surrogate Spike 150.000		Recovery =	88.71%
Target Compounds			
1) HATM Diesel (C10-C24)	6.49	553895784	550.227 ppb
2) HBTM Motor Oil (C24-C40)	14.96	232729085	292.698 ppb
Target Compounds			

Quantitation Report

Data File: G:\APOLLO\DATA\211108\1108016.D
Sample : BA44054W09 5/1000





Quantitation Report (QT Reviewed)

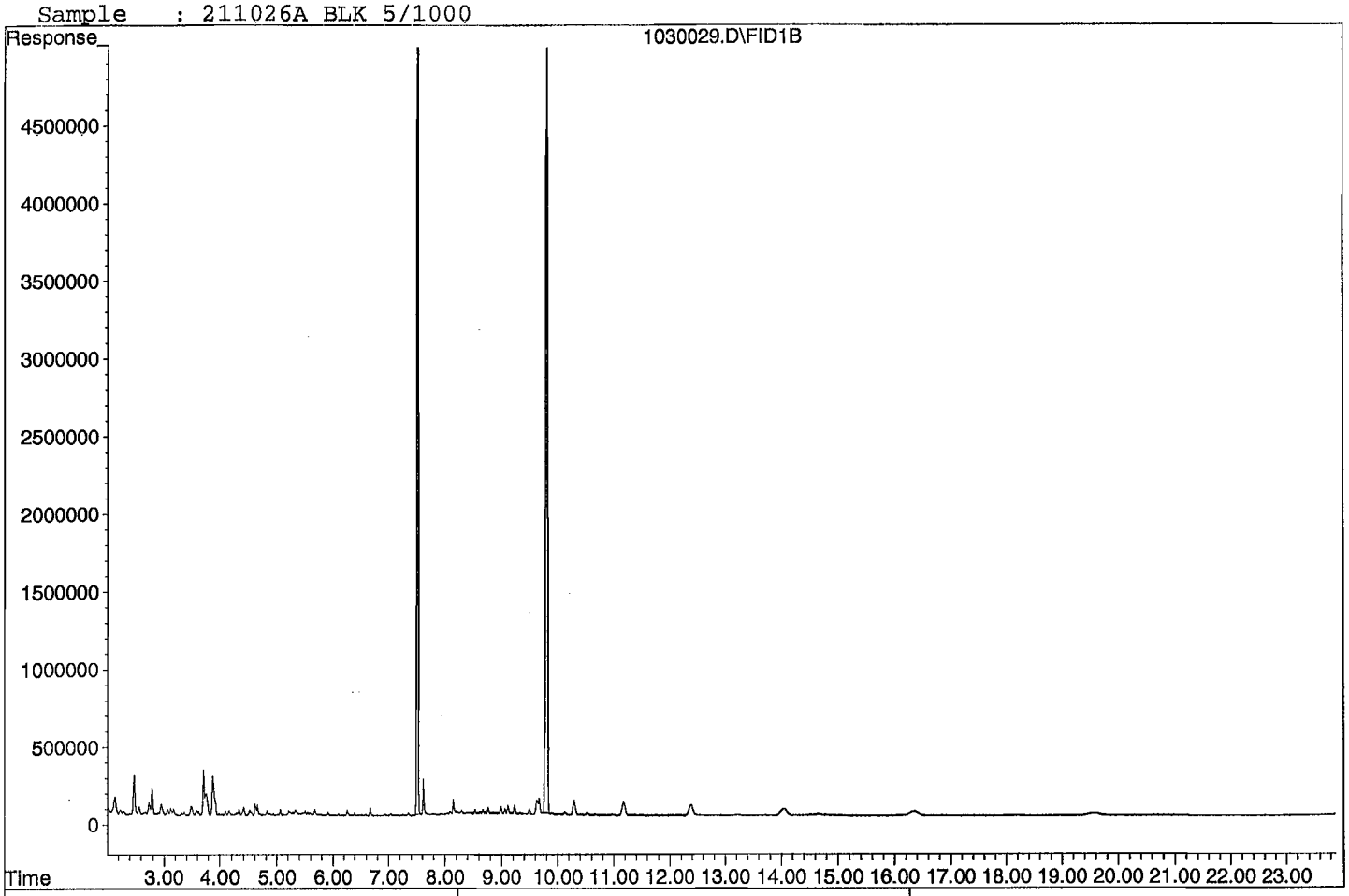
Data File : G:\APOLLO\DATA\211030\1030029.D Vial: 29
Acq On : 10-31-21 0:32:05 Operator: KA
Sample : 211026A BLK 5/1000 Inst : Apollo
Misc : water Multiplr: 5.00
IntFile : events.e
Quant Time: Nov 1 12:44 2021 Quant Results File: DOC1028.RES

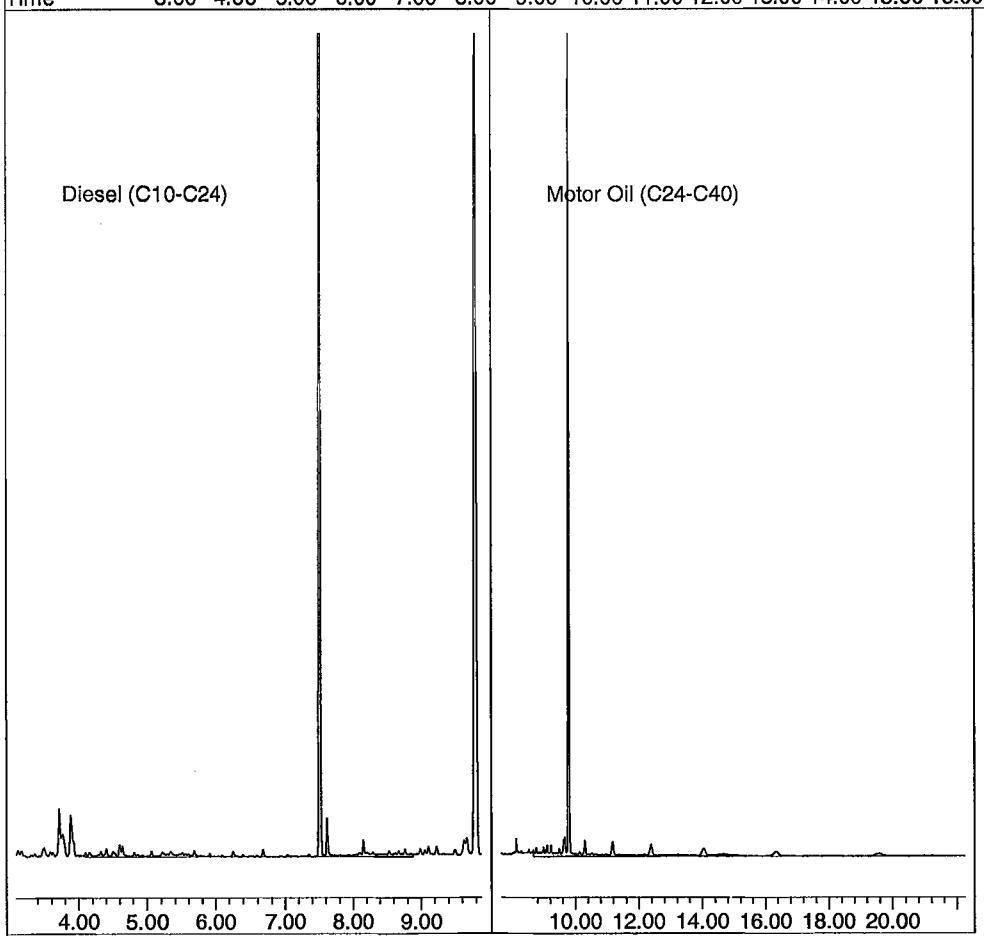
Method : G:\APOLLO\DATA\211028\DOC1028.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Nov 18 13:26:01 2021
Response via : Multiple Level Calibration

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

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.51	137552683	109.954 ppb
Surrogate Spike 150.000		Recovery =	73.30%
4) SA Octacosane(S)	9.79	123820390	136.883 ppb
Surrogate Spike 150.000		Recovery =	91.26%
Target Compounds			
1) HATM Diesel (C10-C24)	6.49	38809811	38.553 ppb
2) HBTM Motor Oil (C24-C40)	14.96	81442860	69.684 ppb
Target Compounds			

Data File: G:\APOLLO\DATA\211030\1030029.D
Sample : 211026A BLK 5/1000





Quantitation Report (QT Reviewed)

Data File : G:\APOLLO\DATA\211108\1108011.D Vial: 11
Acq On : 11-8-21 14:22:04 Operator: KA
Sample : 211103A BLK 5/1000 Inst : Apollo
Misc : water Multiplr: 5.00
IntFile : events.e
Quant Time: Nov 10 17:31 2021 Quant Results File: DOC1028.RES

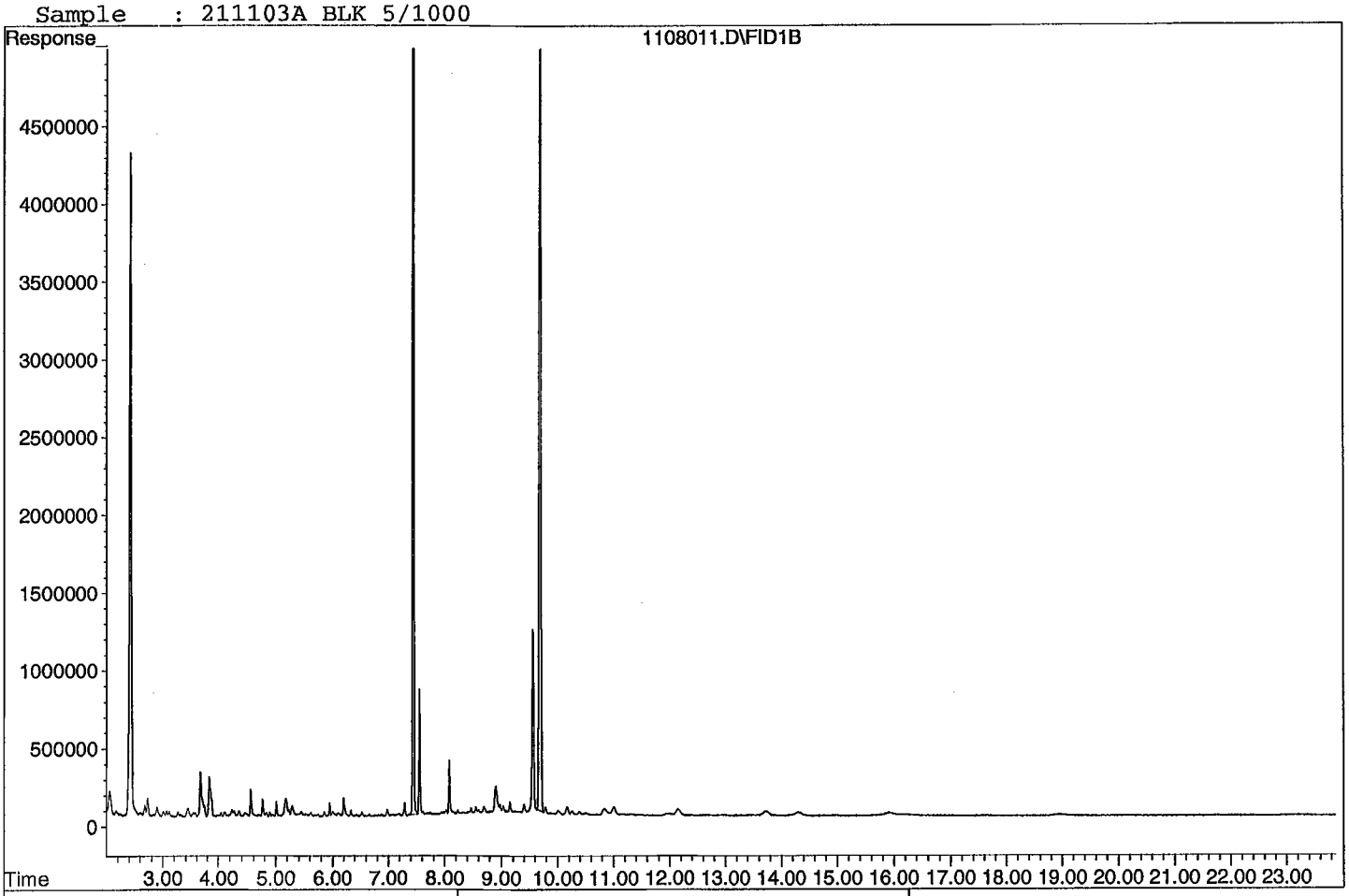
Method : G:\APOLLO\DATA\211028\DOC1028.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Nov 18 13:26:01 2021
Response via : Multiple Level Calibration

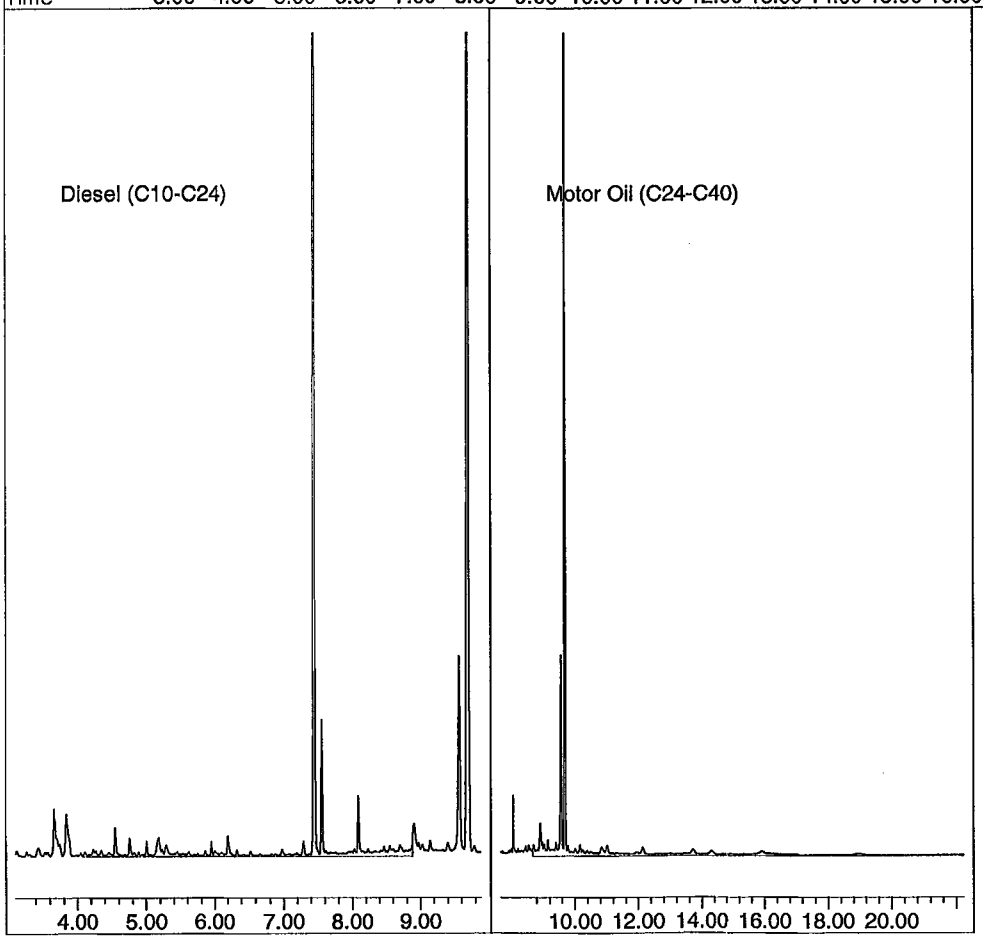
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.45	127392288	101.832 ppb
Surrogate Spike 150.000		Recovery =	67.89%
4) SA Octacosane(S)	9.69	114201269	126.249 ppb
Surrogate Spike 150.000		Recovery =	84.17%
Target Compounds			
1) HATM Diesel (C10-C24)	6.49	80468011	79.935 ppb
2) HBTM Motor Oil (C24-C40)	14.96	153489770	175.890 ppb
Target Compounds			

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

Data File: G:\APOLLO\DATA\211108\1108011.D
Sample : 211103A BLK 5/1000





Quantitation Report (QT Reviewed)

Data File : G:\APOLLO\DATA\211030\1030030.D Vial: 30
Acq On : 10-31-21 1:00:12 Operator: KA
Sample : 211026A LCS-1 5/1000 Inst : Apollo
Misc : water Multiplr: 5.00
IntFile : events.e
Quant Time: Nov 1 12:44 2021 Quant Results File: DOC1028.RES

Method : G:\APOLLO\DATA\211028\DOC1028.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Nov 18 13:26:01 2021
Response via : Multiple Level Calibration

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

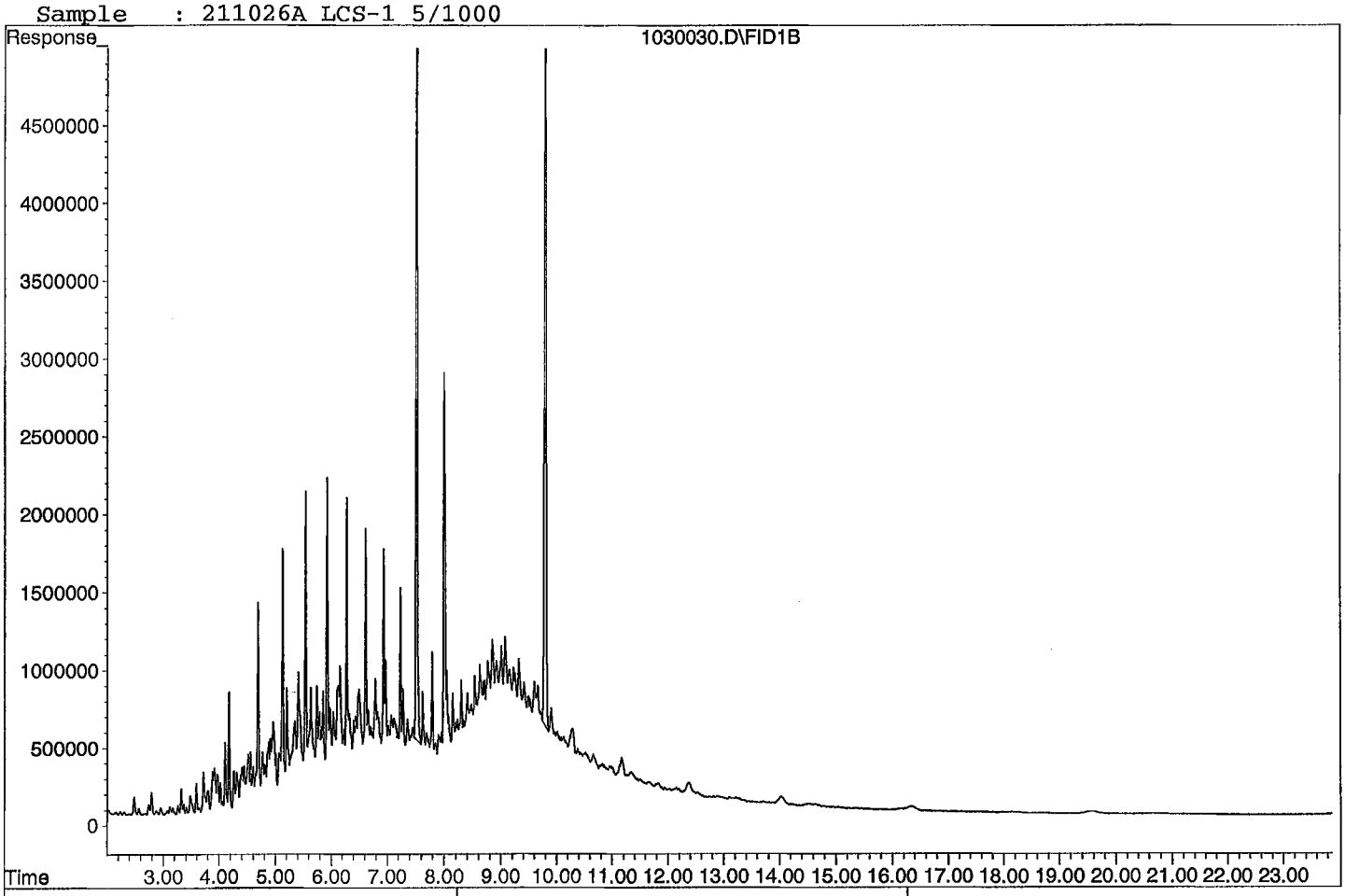
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.51	138796413	110.948 ppb
Surrogate Spike 150.000		Recovery =	73.97%
4) SA Octacosane(S)	9.79	111272082	123.011 ppb
Surrogate Spike 150.000		Recovery =	82.01%
Target Compounds			
1) HATM Diesel (C10-C24)	6.49	1676864385	1665.758 ppb
2) HBTM Motor Oil (C24-C40)	14.96	1278505071	1834.298 ppb
Target Compounds			

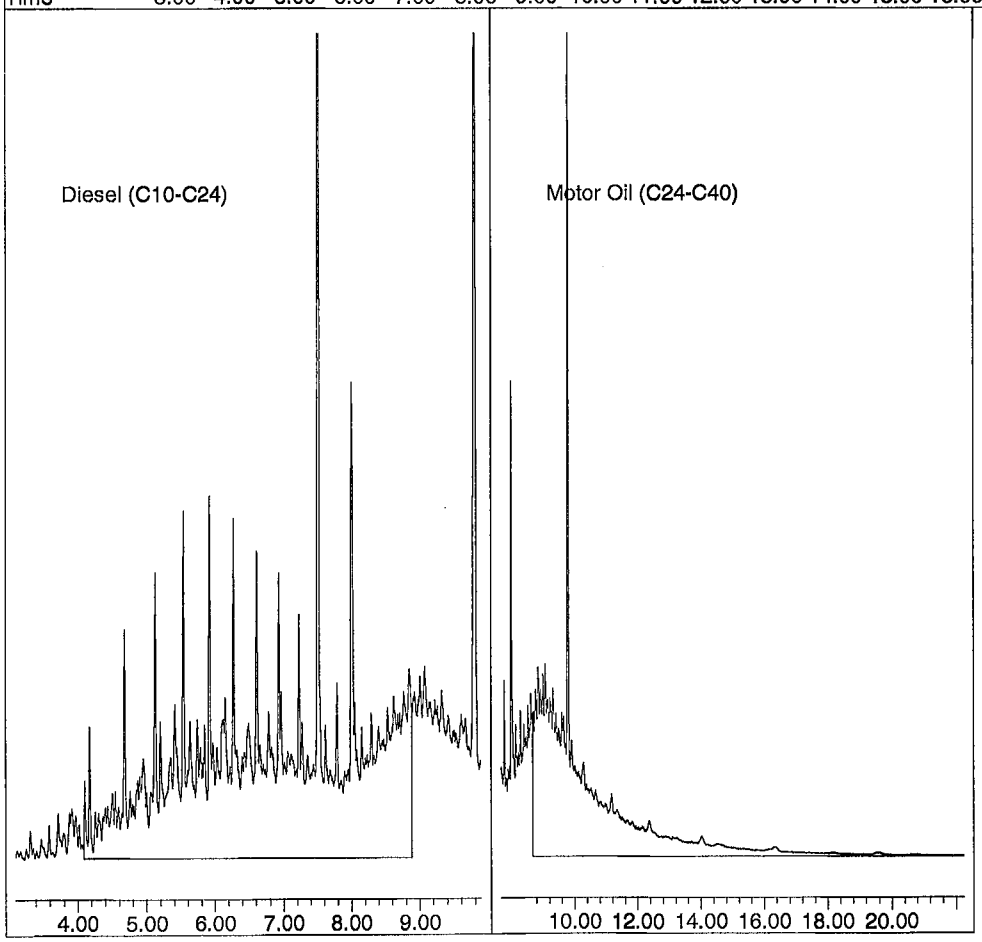
Diesel:

$$\frac{(1676864385)(5)}{(2516669)(2)} = \frac{8384321925}{5033338} = 1665.758$$

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

Data File: G:\APOLLO\DATA\211030\1030030.D
Sample : 211026A LCS-1 5/1000





Quantitation Report (QT Reviewed)

Data File : G:\APOLLO\DATA\211108\1108012.D Vial: 12
Acq On : 11-8-21 14:50:19 Operator: KA
Sample : 211103A LCS-1 5/1000 Inst : Apollo
Misc : water Multiplr: 5.00
IntFile : events.e
Quant Time: Nov 10 17:32 2021 Quant Results File: DOC1028.RES

Method : G:\APOLLO\DATA\211028\DOC1028.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Nov 18 13:26:01 2021
Response via : Multiple Level Calibration

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

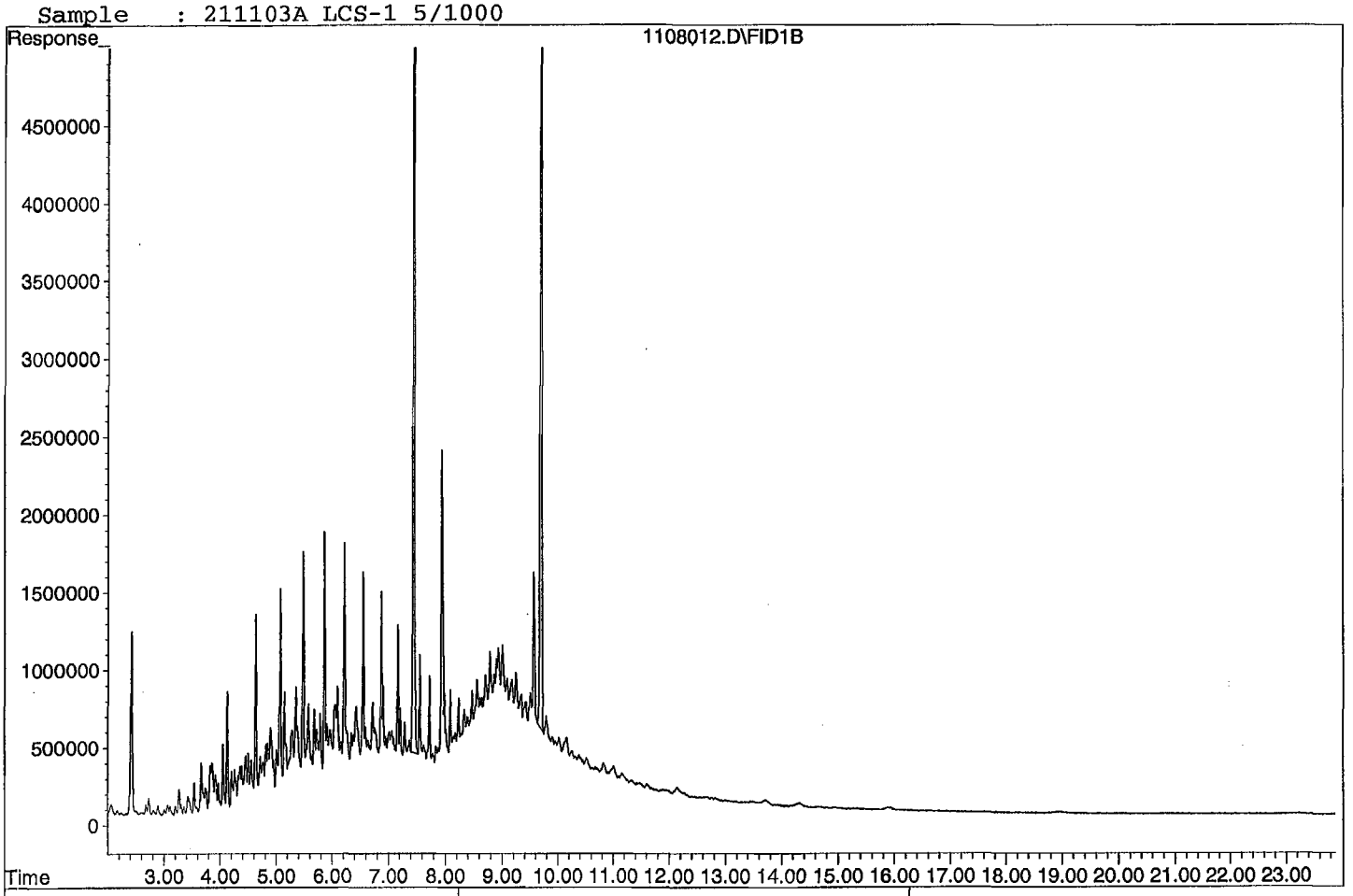
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.44	132702749	106.077 ppb
Surrogate Spike 150.000		Recovery =	70.72%
4) SA Octacosane(S)	9.69	106243566	117.452 ppb
Surrogate Spike 150.000		Recovery =	78.30%
Target Compounds			
1) HATM Diesel (C10-C24)	6.49	1501908344	1491.961 ppb
2) HBTM Motor Oil (C24-C40)	14.96	1131598793	1617.740 ppb
Target Compounds			

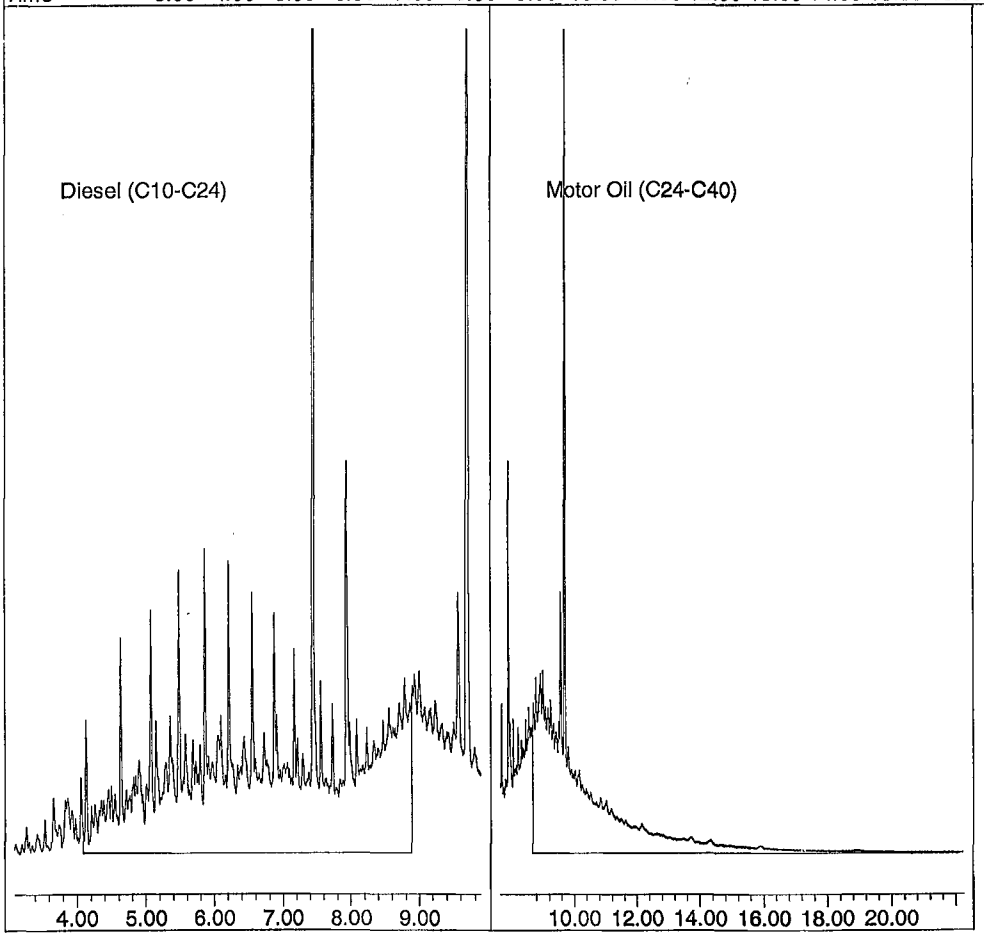
Diesel:

$$\frac{(1501908344)(5)}{(25166669)(2)} = \frac{7509541720}{5033338} = 1491.961$$

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

Data File: G:\APOLLO\DATA\211108\1108012.D
Sample : 211103A LCS-1 5/1000





Quantitation Report (QT Reviewed)

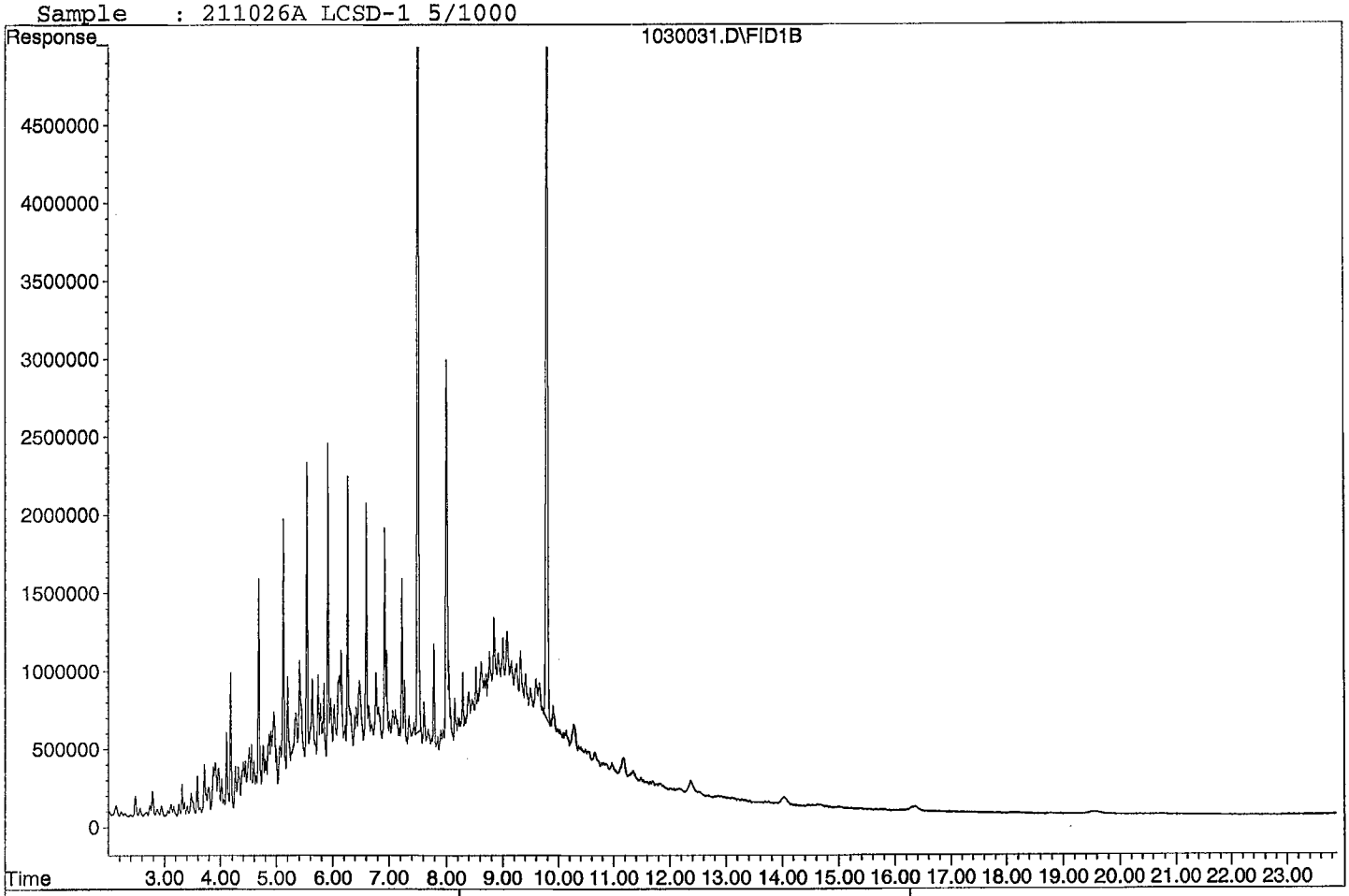
Data File : G:\APOLLO\DATA\211030\1030031.D Vial: 31
Acq On : 10-31-21 1:28:22 Operator: KA
Sample : 211026A LCSD-1 5/1000 Inst : Apollo
Misc : water Multiplr: 5.00
IntFile : events.e
Quant Time: Nov 1 12:44 2021 Quant Results File: DOC1028.RES

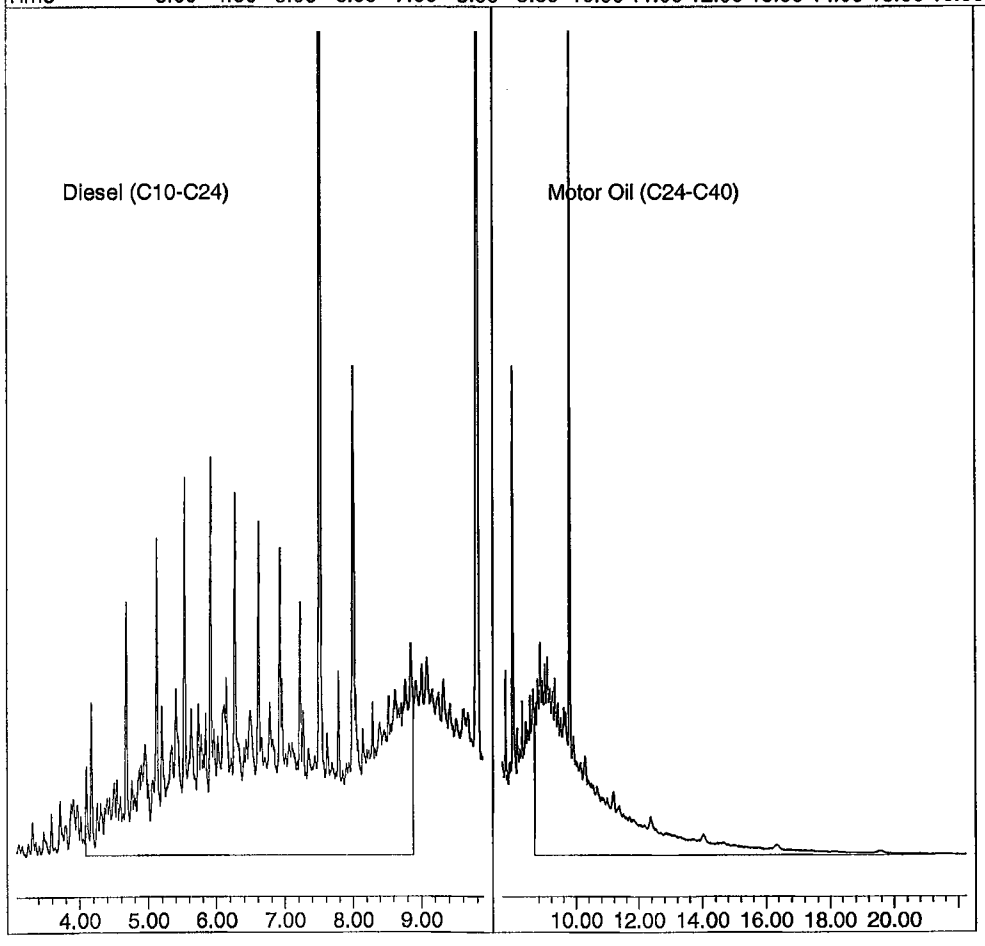
Method : G:\APOLLO\DATA\211028\DOC1028.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Nov 18 13:26:01 2021
Response via : Multiple Level Calibration

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

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.51	144232637	115.294 ppb
Surrogate Spike 150.000		Recovery =	76.86%
4) SA Octacosane(S)	9.80	115479237	127.662 ppb
Surrogate Spike 150.000		Recovery =	85.11%
Target Compounds			
1) HATM Diesel (C10-C24)	6.49	1795207263	1783.317 ppb
2) HBTM Motor Oil (C24-C40)	14.96	1358828221	1952.704 ppb
Target Compounds			

Data File: G:\APOLLO\DATA\211030\1030031.D
Sample : 211026A LCSD-1 5/1000





Quantitation Report (QT Reviewed)

Data File : G:\APOLLO\DATA\211108\1108013.D Vial: 13
Acq On : 11-8-21 15:18:33 Operator: KA
Sample : 211103A LCSD-1 5/1000 Inst : Apollo
Misc : water Multiplr: 5.00
IntFile : events.e
Quant Time: Nov 10 17:32 2021 Quant Results File: DOC1028.RES

Method : G:\APOLLO\DATA\211028\DOC1028.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Nov 18 13:26:01 2021
Response via : Multiple Level Calibration

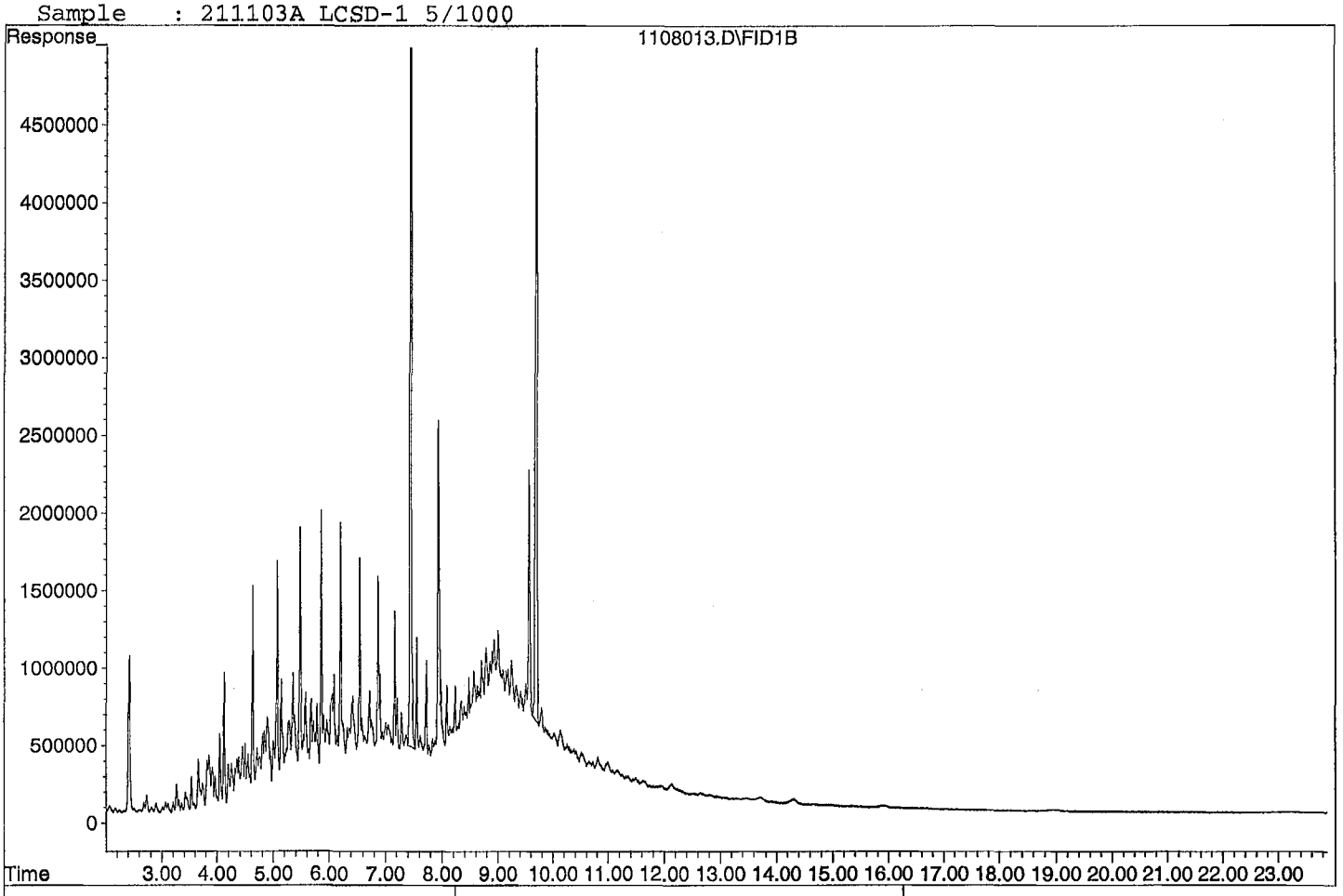
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

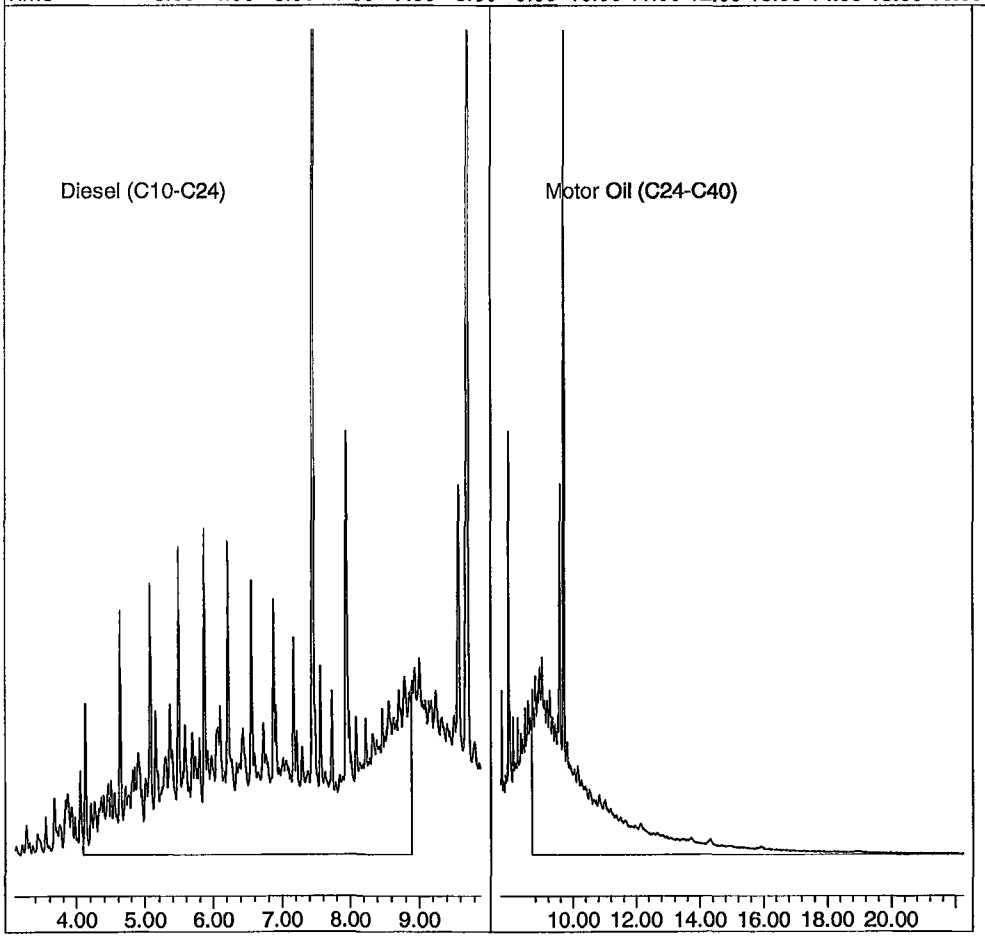
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.44	141127529	112.812 ppb
Surrogate Spike 150.000		Recovery =	75.21%
4) SA Octacosane(S)	9.69	112056903	123.878 ppb
Surrogate Spike 150.000		Recovery =	82.59%
Target Compounds			
1) HATM Diesel (C10-C24)	6.49	1621351127	1610.612 ppb
2) HBTM Motor Oil (C24-C40)	14.96	1232782033	1766.897 ppb
Target Compounds			

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data File: G:\APOLLO\DATA\211108\1108013.D
Sample : 211103A LCSD-1 5/1000





Diesel / Motor Oil Calibration Curve

Prepared: 10/28/2021
Expires: 5/31/2026
Methylene Chloride Lot No. 61117

Prepared By (Initials): KA

Initial Standard Information							Final Standard			
Name of Initial Standard (QAU Label)	Supplier	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: 10/6/21 A0164485-52822, A0168842-52820, AO166510-52817 CL16893-52835	See man. Exp date	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: 10/28/2021
Expires: 10/28/2024

Prepared By (Initials): KA

Methylene Chloride Lot No. 61117

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 Second Source	Phenova	AL0-101287	50,000	**CL16477-52980**	**See man. Exp date**	**2/28/2027**	50uL	10mL	MC	250
Motor Oil Second Source	Absolute	51094	50,000	**102819-52981**		**10/28/2024**	50uL			

Diesel / Motor Oil CCV

Prepared: 10/27/2021
Expires: 5/31/2026
Methylene Chloride Lot No. 61117

Prepared By (Initials): KA

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

Diesel Motor Oil Mix

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

Expires: 10/31/2027

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

Diesel Motor Oil Mix

Prepared: 10/30/2021 **Prepared By (Initials): KA**

Expires: 10/31/2027

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	**A0164485-52825 and A0164586-53175, 53174, and 53176**	**See man. Date**	**10/31/2027**	4.00 mL	8.0 mL	NA	25,000
Motor Oil Composite	Restek	31464	50,000	**A0166510-52817, and A0168842-53169, 53170, and 53171**	**See man. Date**	**12/31/2027 3/31/28**	4.00 mL			25,000

THC Surrogate

Prepared: 10/21/2021 **KA**

Expires: 5/31/2026

Initial Standard Information							Final Standard			
Name of Initial Standard (QAU Label)	Supplier	Supplier Part No.	Conc. (ug/mL)	Lot Number - QA Number	Exp. Date (1 yr.)	Exp. Date (Manufacturer)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/mL)
O-terphenyl / Octacosane Mix	Phenova	ALO-130161	600	**CL16893-52842**	**See ma. Date**	**5/31/2026**	N/A	N/A	N/A	600

THC Surrogate

Prepared: 10/29/2021 **LS**

Expires: 5/31/2026

Initial Standard Information							Final Standard			
Name of Initial Standard (QAU Label)	Supplier	Supplier Part No.	Conc. (ug/mL)	Lot Number - QA Number	Exp. Date (1 yr.)	Exp. Date (Manufacturer)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/mL)
O-terphenyl / Octacosane Mix	Phenova	ALO-130161	600	**CL16893-52841**	**See ma. Date**	**5/31/2026**	N/A	N/A	N/A	600

Organic Extraction Worksheet

Method	Continuous Liq/Liq TPH- 3520C w/SGC	Extraction Set	211026A	Extraction Method	LIQ005SGC	Units	mL

Spiked ID 1	Diesel Motor Oil Mix 10-16-21 10-16-22		Surrogate ID 1	THC Surrogate 10-21-21 10-21-22	
Spiked ID 2	Decanoic 1000ug/mL Acid Solution 10-21-21 10-21-22		Surrogate ID 2		
Spiked ID 3			Surrogate ID 3		
Spiked ID 4			Surrogate ID 4		
Spiked ID 5			Surrogate ID 5		
Spiked ID 6			Sufficient Vol for Matrix QC:	NO	
Spiked ID 7			Ext. Start Time:	10/26/21 12:40	
Spiked ID 8			Ext. End Time:	10/27/21 9:41	
			GC Requires Extract By:		

pH1	2	10/26/21 10:45	Water Bath Temp 1 °C	42/41.1 °C
pH2			Water Bath Temp 2 °C	
pH3			Water Bath Temp 3 °C	41/40.5 °C

Spiked By: SR **Date** 10/26/2021 **Witnessed By:** JAS **Date** 10/26/2021

	Sample	Sample Container	Spike Amount	Spike ID	Surrogate Amount	Surrogate ID	Extract Amount	Final Volume	pH	Extract Date/Time	Comments
1	211026A Blk		0.050	2	0.250	1 equip	1000 E-HP1 E-WB1	5	2	10/26/21 10:49	*
2	211026A LCS-1		0.080,0.050	1,2	0.250	1 equip	1000 E-HP3 E-WB3	5	2	10/26/21 10:49	*
3	211026A LCSD-1		0.080,0.050	1,2	0.250	1 equip	1000 E-HP6 E-WB1	5	2	10/26/21 10:49	*
4	BA44048	BA44048W10	0.050	2	0.250	1 equip	1060 E-HP7 E-WB3	5	2	10/26/21 10:49	97943 *
5	BA44050	BA44050W09	0.050	2	0.250	1 equip	1000 E-HP8 E-WB1	5	2	10/26/21 10:49	97943 *
6	BA44052	BA44052W09	0.050	2	0.250	1 equip	1050 E-HP9 E-WB3	5	2	10/26/21 10:49	97943 *
7	BA44054	BA44054W10	0.050	2	0.250	1 equip	1040 E-HP10 E-WB3	5	2	10/26/21 10:49	97943 *

Solvent and Lot#	
1+1 HCL (5mLs)	60358
PH Strips	hc155968
Dichloromethane (DCM)	61117
Filter Paper	400196
Sodium Sulfate	202171206
SILICA GEL (*)	050627t

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

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

Modified	10/28/2021 9:17:24 AM

Reviewed By: KY **Date** 10/28/2021

11/24/2021 10:06:48 AM Ext_ID 73110 Page 1 of 1

_LIQ005SGC

Organic Extraction Worksheet

Method	Continuous Liq/Liq TPH- 3520C w/SGC	Extraction Set	211103A	Extraction Method	LIQ005SGC	Units	mL

Spiked ID 1	Diesel Motor Oil Mix 10-30-21 10-30-22		Surrogate ID 1	THC Surrogate 10-29-21 10-29-22	
Spiked ID 2	Decanoic 1000ug/mL Acid Solution 10-21-21 10-21-22		Surrogate ID 2		
Spiked ID 3	Decanoic 1000ug/mL Acid Solution 115-21 11-5-22		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:	11/04/21 12:47	
Spiked ID 8			Ext. End Time:	11/05/21 15:55	
			GC Requires Extract By:		

pH1	2	11/03/21 14:50	Water Bath Temp 1 °C	39/ 38.1 °C
pH2			Water Bath Temp 2 °C	36/ 37.1
pH3			Water Bath Temp 3 °C	36/ 35.5 °C

Spiked By: SR **Date** 11/3/2021 **Witnessed By:** CG **Date** 11/3/2021

	Sample	Sample Container	Spike Amount	Spike ID	Surrogate Amount	Surrogate ID	Extract Amount	Final Volume	pH	Extract Date/Time	Comments
1	211103A Blk		0.050	2	0.250	1	1000	5	2	11/03/21 14:51	RE-EXTRACT *
						equip	E-HP3 E-WB1				
2	211103A LCS-1		0.080,0.050	1,3	0.250	1	1000	5	2	11/03/21 14:51	*
						equip	E-HP4 E-WB2				
3	211103A LCSD-1		0.080,0.050	1,3	0.250	1	1000	5	2	11/03/21 14:51	*
						equip	E-HP6 E-WB1				
4	BA44048	BA44048W09	0.050	3	0.250	1	950	5	2	11/03/21 14:51	97943 *
						equip	E-HP7 E-WB2				
5	BA44052	BA44052W10	0.050	3	0.250	1	1000	5	2	11/03/21 14:51	97943 *
						equip	E-HP8 E-WB1				
6	BA44054	BA44054W09	0.050	3	0.250	1	1000	5	2	11/03/21 14:51	97943 *
						equip	E-HP9 E-WB2				

Solvent and Lot#	
1+1 HCL (5mLs)	60358
PH Strips	HC155968
Dichloromethane (DCM)	61117
Filter Paper	400196
Sodium Sulfate	2021071206
SILICA GEL (*)	050627T

Extraction COC Transfer	
Extraction lab employee Initials	KY
GC analyst's initials	KA
Date	11/8/21
Time	7:57
Refrigerator	Hobart

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

Modified	11/8/2021 9:33:34 AM

Reviewed By: KY **Date** 11/8/2021

11/24/2021 10:05:48 AM Ext_ID 73235 Page 1 of 1

Injection Log

Directory: G:\APOLLO\DATA\211028\

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	3	1028003.D	1	DMO STD 1 10/28/21	water	10-28-21 9:19:03
2	4	1028004.D	1	DMO STD 2 10/28/21	water	10-28-21 9:47:06
3	5	1028005.D	1	DMO STD 3 10/28/21	water	10-28-21 10:15:13
4	6	1028006.D	1	DMO STD 4 10/28/21	water	10-28-21 10:43:31
5	7	1028007.D	1	DMO STD 5 10/28/21	water	10-28-21 11:11:42
6	8	1028008.D	1	DMO STD 6 10/28/21	water	10-28-21 11:39:55
7	9	1028009.D	1	DMO STD 7 10/28/21	water	10-28-21 12:08:10
8	10	1028010.D	1	DMO Second Source 10/28/21	water	10-28-21 12:36:26
9	27	1030027.D	1	DMO LVL4 CCV 10/27/21	water	10-30-21 23:35:45
10	29	1030029.D	5	211026A BLK 5/1000	water	10-31-21 0:32:05
11	30	1030030.D	5	211026A LCS-1 5/1000	water	10-31-21 1:00:12
12	31	1030031.D	5	211026A LCSD-1 5/1000	water	10-31-21 1:28:22
13	32	1030032.D	4.71698	BA44048W10 5/1060	water	10-31-21 1:56:27
14	33	1030033.D	5	BA44050W09 5/1000	water	10-31-21 2:24:35
15	34	1030034.D	4.7619	BA44052W09 5/1050	water	10-31-21 2:52:40
16	35	1030035.D	4.80769	BA44054W10 5/1040	water	10-31-21 3:20:46
17	45	1030045.D	1	DMO LVL4 CCV 10/27/21	water	10-31-21 8:01:28

Injection Log

Directory: G:\APOLLO\DATA\211028\

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	3	1028003.D	1	DMO STD 1 10/28/21	water	10-28-21 9:19:03
2	4	1028004.D	1	DMO STD 2 10/28/21	water	10-28-21 9:47:06
3	5	1028005.D	1	DMO STD 3 10/28/21	water	10-28-21 10:15:13
4	6	1028006.D	1	DMO STD 4 10/28/21	water	10-28-21 10:43:31
5	7	1028007.D	1	DMO STD 5 10/28/21	water	10-28-21 11:11:42
6	8	1028008.D	1	DMO STD 6 10/28/21	water	10-28-21 11:39:55
7	9	1028009.D	1	DMO STD 7 10/28/21	water	10-28-21 12:08:10
8	10	1028010.D	1	DMO Second Source 10/28/21	water	10-28-21 12:36:26
9	3	1108003.D	1	DMO LVL 4 CCV 10/27/21	water	11-8-21 10:31:54
10	11	1108011.D	5	211103A BLK 5/1000	water	11-8-21 14:22:04
11	12	1108012.D	5	211103A LCS-1 5/1000	water	11-8-21 14:50:19
12	13	1108013.D	5	211103A LCSD-1 5/1000	water	11-8-21 15:18:33
13	14	1108014.D	5.26316	BA44048W09 5/950	water	11-8-21 15:46:56
14	15	1108015.D	5	BA44052W10 5/1000	water	11-8-21 16:15:10
15	16	1108016.D	5	BA44054W09 5/1000	water	11-8-21 16:43:22
16	17	1108017.D	1	DMO LVL 4 CCV 10/27/21	water	11-8-21 17:11:31

ORGANICS
Calibration Data

TPH Extractables
DOC1028

Form 6
Initial Calibration

Lab Name: APPL, Inc. SDG No:
Case No: Initial Cal. Date: 10/28/2021
Matrix: Water Instrument: Apollo
Initials: KA

		Compound	1028003.D 1	1028004.D 2	1028005.D 3	1028006.D 4	1028007.D 5	1028008.D 6	1028009.D 7				Avg	%RSD	Type	r^2	Q
1	HATM	Diesel (C10-C24)	2983809	2406563	2517872	2418941	2337993	2387715	2563791				2516669	8.7	HATM		
2	HBTML	Motor Oil (C24-C40)	5192328	3260715	2065863	1824592	1695984	1676117	1728658				2492037	53	HBTM	1.000	
3	SA	Ortho-Terphenyl(S)	3637234	3178668	3119876	3035678	2926966	2905323	3088794				3127505	7.9	SA		
4	SA	Octacosane(S)	2469203	2170507	2286410	2275552	2170413	2171254	2286658				2261428	4.8	SA		
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2.118919

Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\211028\1028003.D Vial: 3
Acq On : 10-28-21 9:19:03 Operator: KA
Sample : DMO STD 1 10/28/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 28 15:39 2021 Quant Results File: DOC1028.RES

Method : G:\APOLLO\DATA\211028\DOC1028.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Oct 28 15:39:11 2021
Response via : Multiple Level Calibration

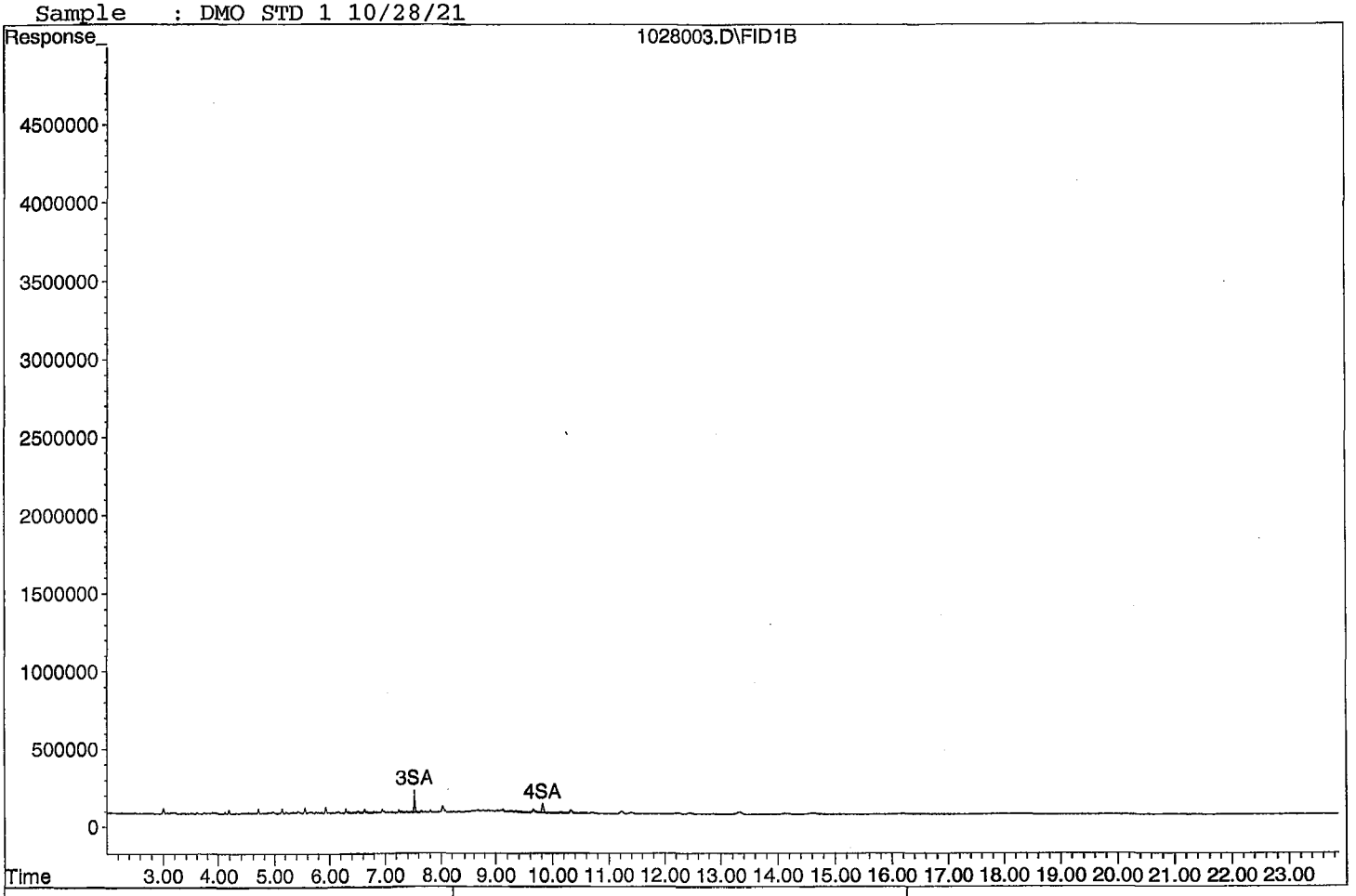
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

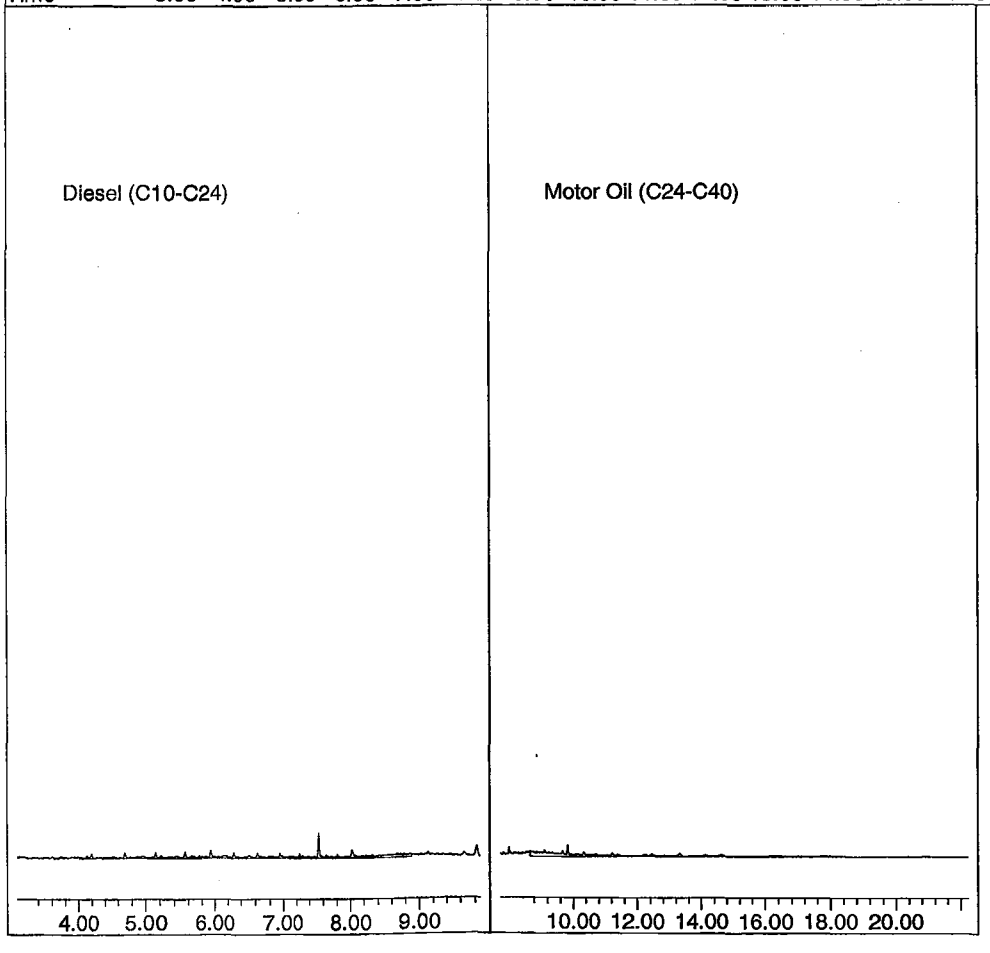
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.53	1818617	0.291 ppb
Surrogate Spike 30.000	Recovery =		0.97%
4) SA Octacosane(S)	9.82	1234601	0.273 ppb
Surrogate Spike 30.000	Recovery =		0.91%
Target Compounds			
1) HATM Diesel (C10-C24)	6.49	29838086	5.928 ppb
2) HBTM Motor Oil (C24-C40)	14.96	51923283	5.234 ppb

Target Compounds

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

Data File: G:\APOLLO\DATA\211028\1028003.D
Sample : DMO STD 1 10/28/21





Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\211028\1028004.D Vial: 4
Acq On : 10-28-21 9:47:06 Operator: KA
Sample : DMO STD 2 10/28/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 28 15:39 2021 Quant Results File: DOC1028.RES

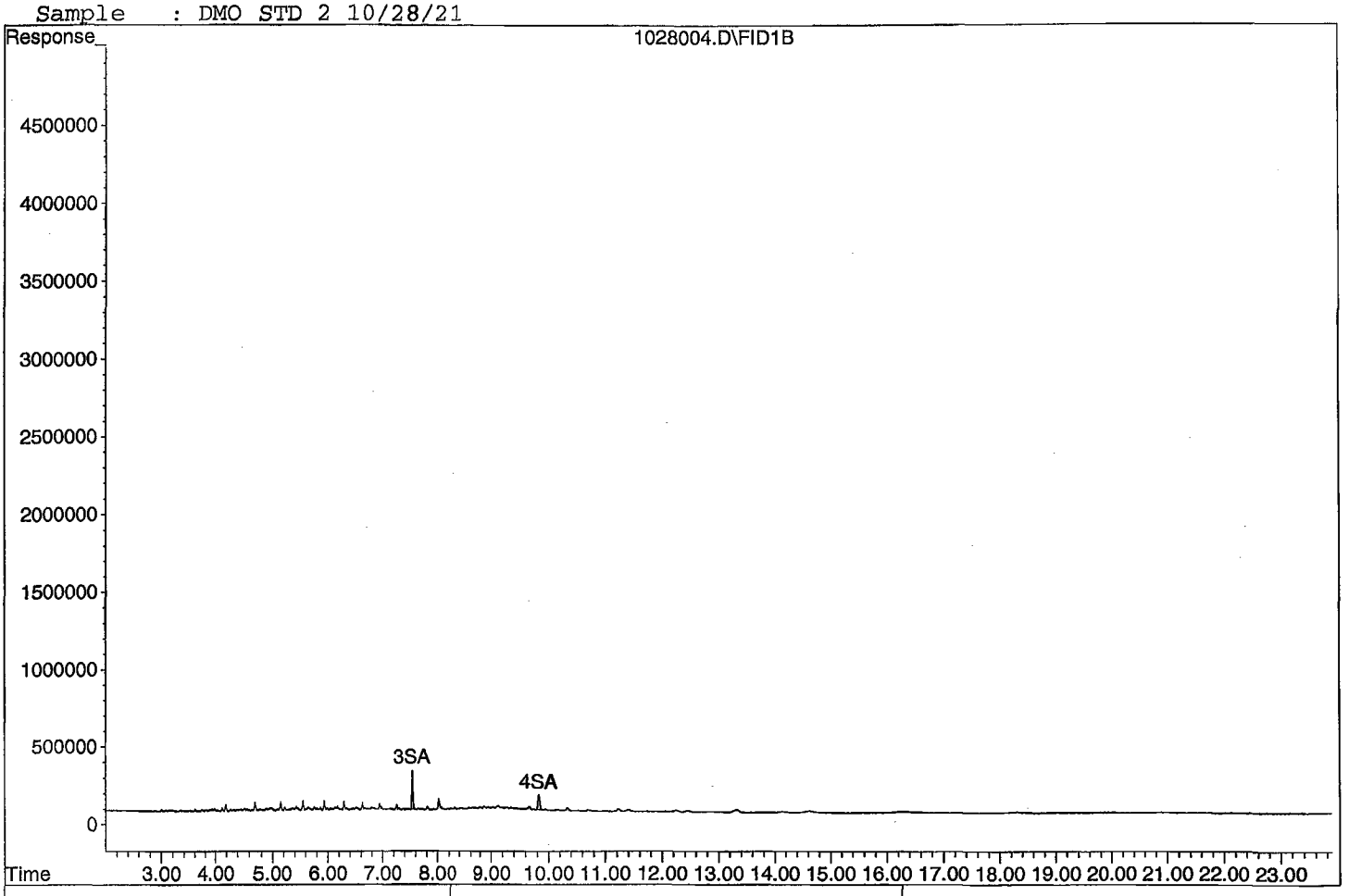
Method : G:\APOLLO\DATA\211028\DOC1028.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Oct 28 15:39:11 2021
Response via : Multiple Level Calibration

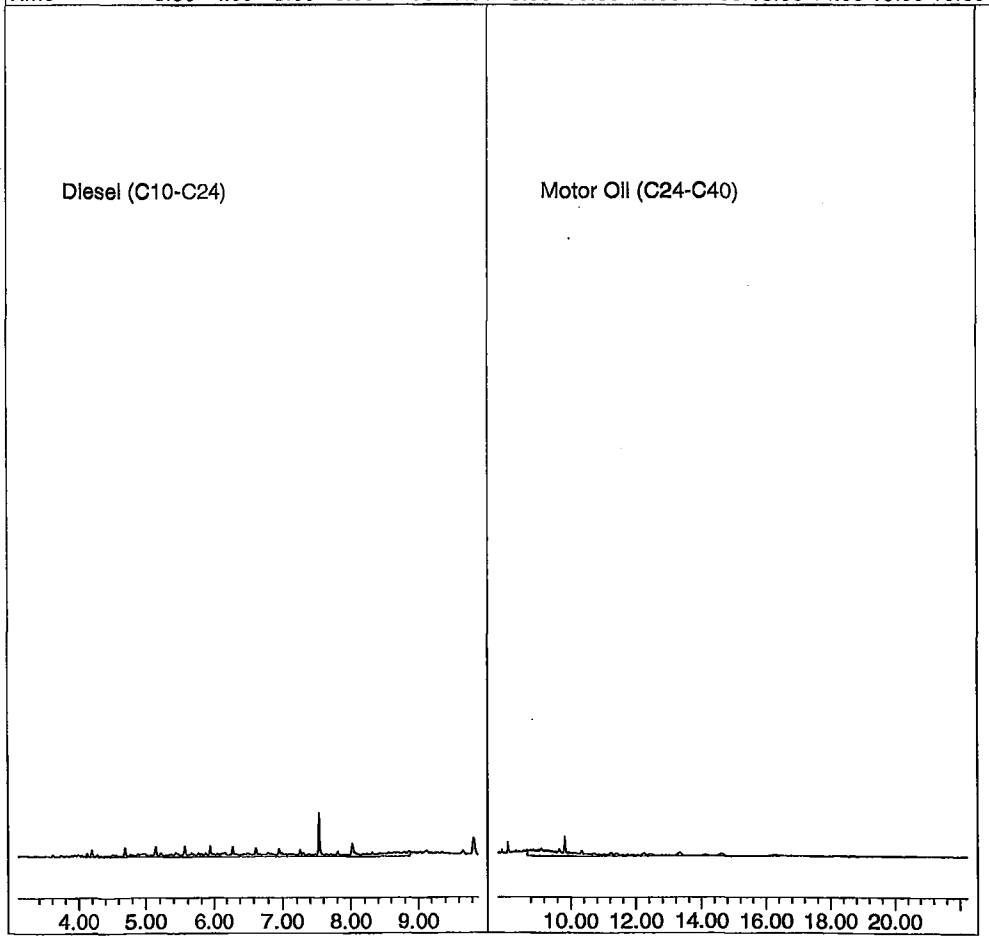
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.53	3178668	0.508 ppb
Surrogate Spike 30.000	Recovery =		1.69%
4) SA Octacosane(S)	9.82	2170507	0.480 ppb
Surrogate Spike 30.000	Recovery =		1.60%
Target Compounds			
1) HATM Diesel (C10-C24)	6.49	48131263	9.562 ppb
2) HBTM Motor Oil (C24-C40)	14.96	65214303	9.152 ppb
Target Compounds			

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

Data File: G:\APOLLO\DATA\211028\1028004.D
Sample : DMO STD 2 10/28/21





Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\211028\1028005.D Vial: 5
Acq On : 10-28-21 10:15:13 Operator: KA
Sample : DMO STD 3 10/28/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 28 15:39 2021 Quant Results File: DOC1028.RES

Method : G:\APOLLO\DATA\211028\DOC1028.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Oct 28 15:39:11 2021
Response via : Multiple Level Calibration

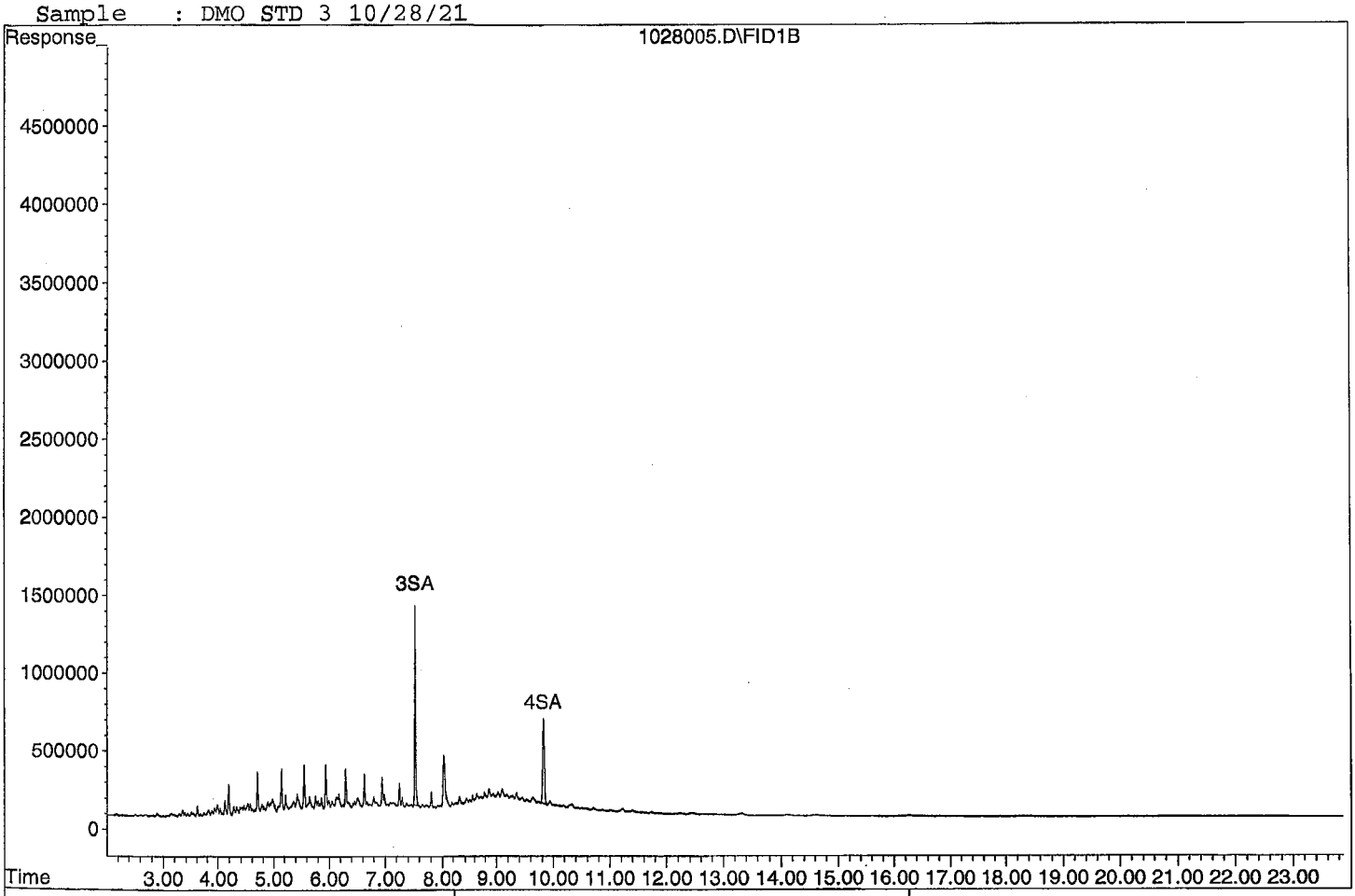
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

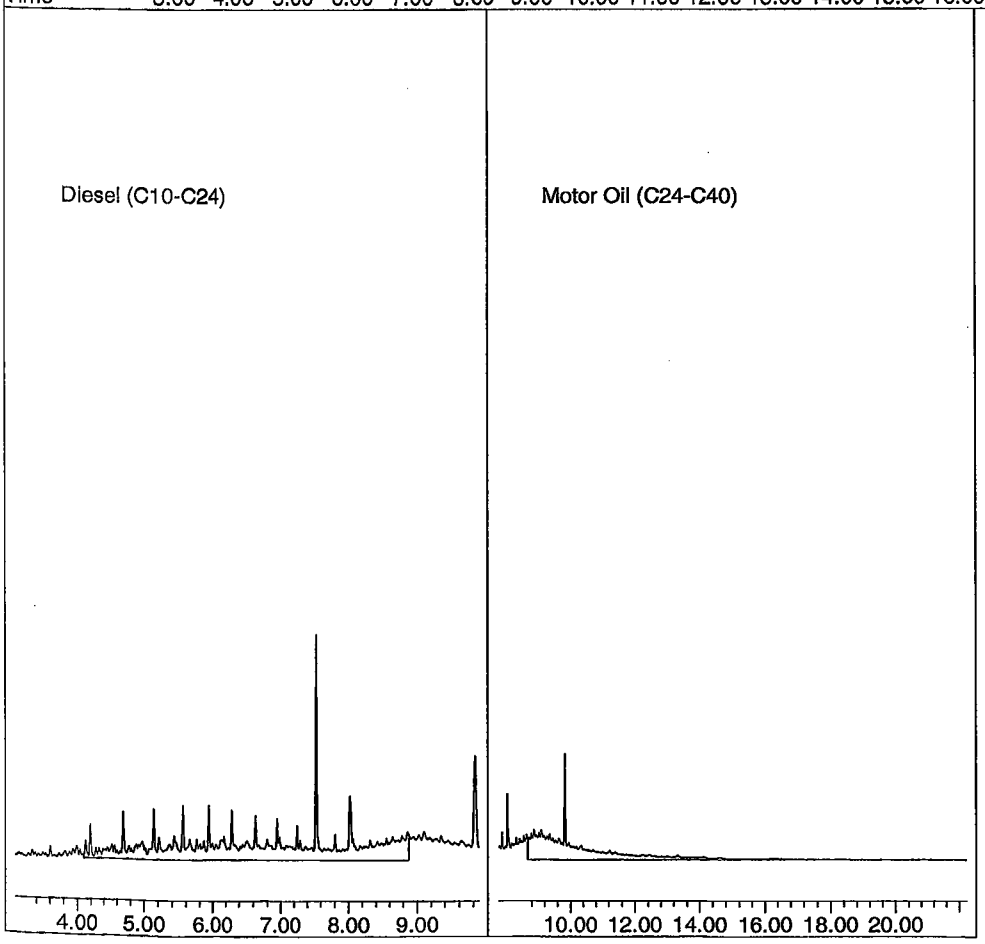
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.53	15599382	2.494 ppb
Surrogate Spike 30.000	Recovery =		8.31%
4) SA Octacosane(S)	9.82	11432050	2.528 ppb
Surrogate Spike 30.000	Recovery =		8.43%
Target Compounds			
1) HATM Diesel (C10-C24)	6.49	251787231	50.024 ppb
2) HBTM Motor Oil (C24-C40)	14.96	206586322	50.832 ppb

Target Compounds

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

Data File: G:\APOLLO\DATA\211028\1028005.D
Sample : DMO STD 3 10/28/21





Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\211028\1028006.D Vial: 6
Acq On : 10-28-21 10:43:31 Operator: KA
Sample : DMO STD 4 10/28/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 28 15:39 2021 Quant Results File: DOC1028.RES

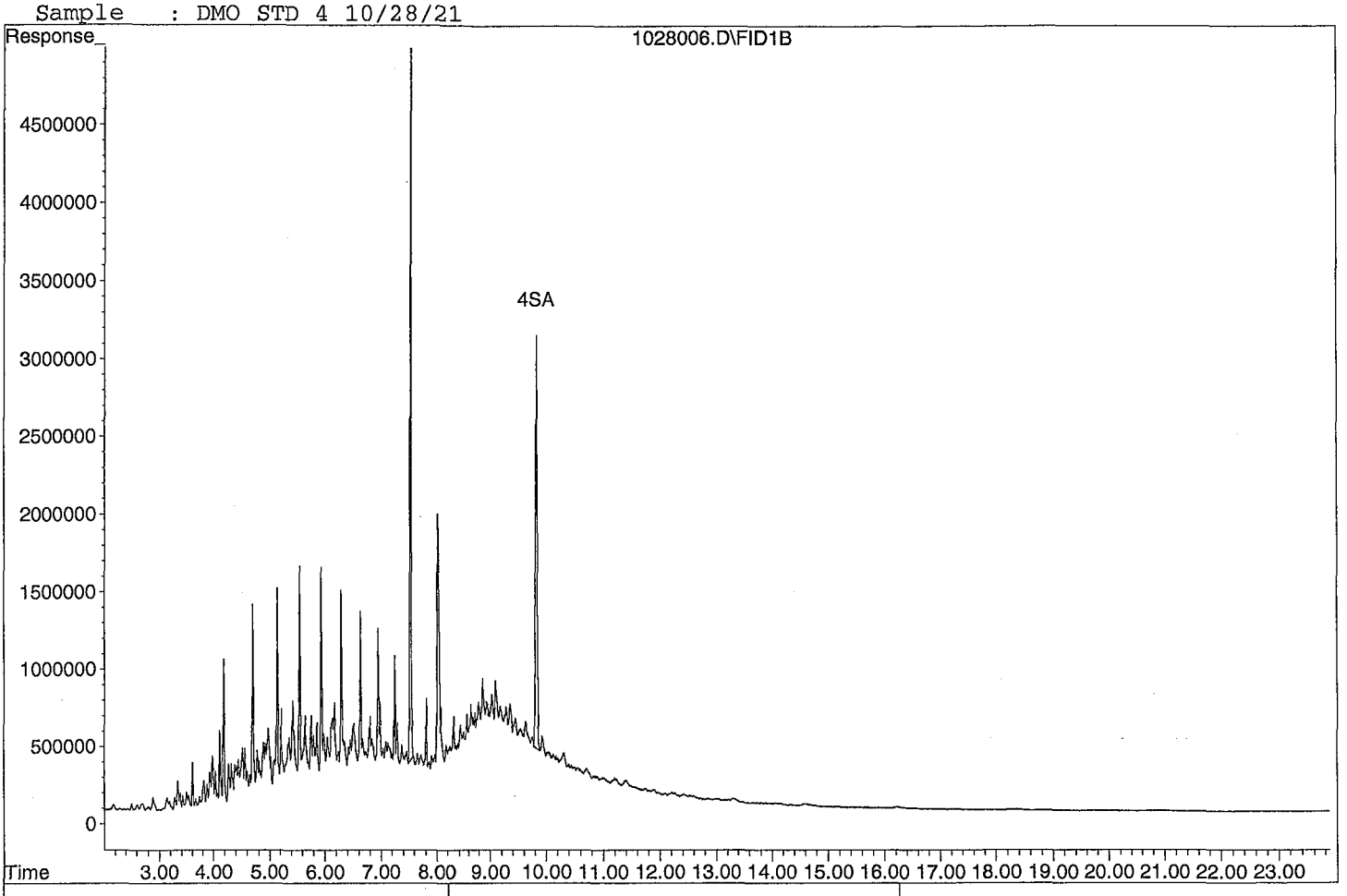
Method : G:\APOLLO\DATA\211028\DOC1028.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Oct 28 15:39:11 2021
Response via : Multiple Level Calibration

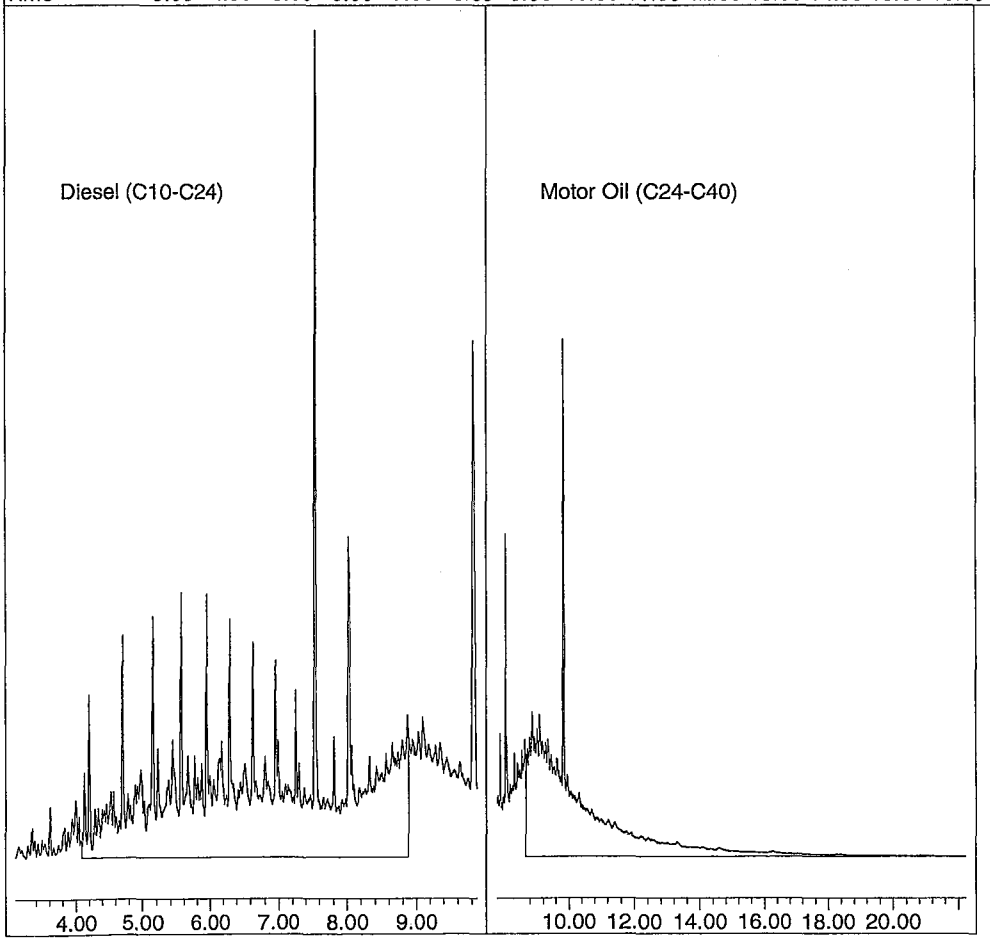
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.53	75891940	12.133 ppb
Surrogate Spike 30.000		Recovery =	40.44%
4) SA Octacosane(S)	9.82	56888797	12.578 ppb
Surrogate Spike 30.000		Recovery =	41.93%
Target Compounds			
1) HATM Diesel (C10-C24)	6.49	1209470396	240.292 ppb
2) HBTM Motor Oil (C24-C40)	14.96	912296132	258.892 ppb
Target Compounds			

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

Data File: G:\APOLLO\DATA\211028\1028006.D
Sample : DMO STD 4 10/28/21





Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\211028\1028007.D Vial: 7
Acq On : 10-28-21 11:11:42 Operator: KA
Sample : DMO STD 5 10/28/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 28 15:39 2021 Quant Results File: DOC1028.RES

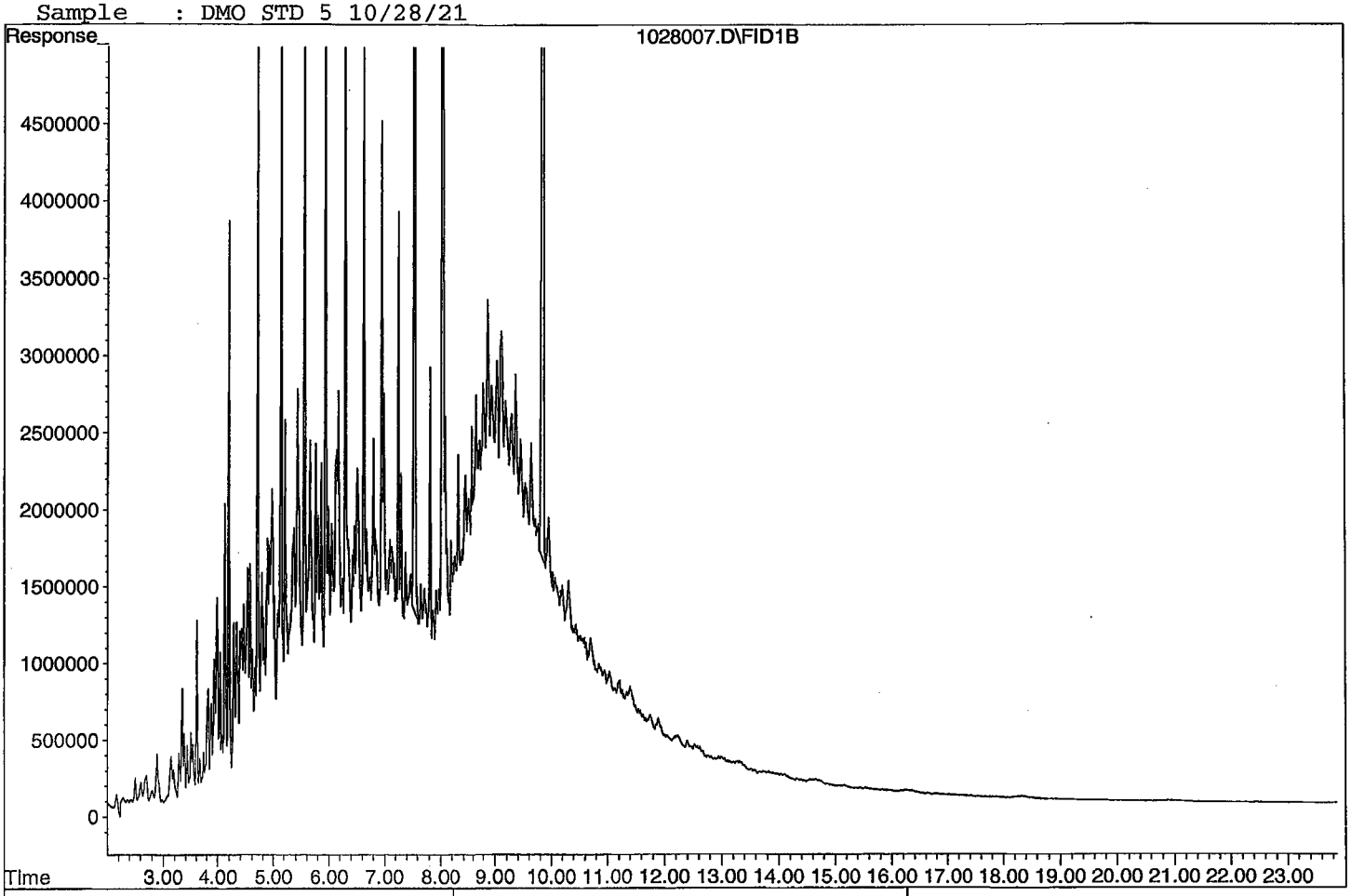
Method : G:\APOLLO\DATA\211028\DOC1028.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Oct 28 15:39:11 2021
Response via : Multiple Level Calibration

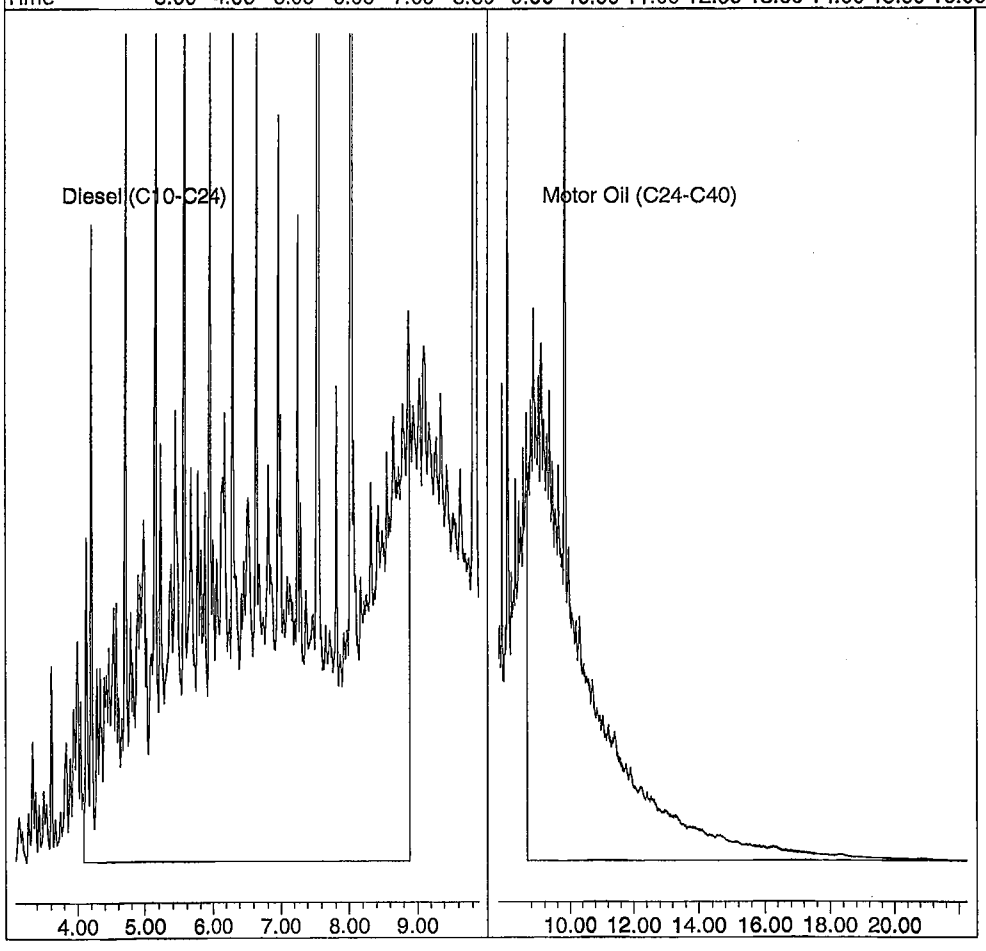
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
3) SA Ortho-Terphenyl(S)	7.54	292696553	46.794	ppb
Surrogate Spike 30.000		Recovery =	155.98%	
4) SA Octacosane(S)	9.83	217041298	47.988	ppb
Surrogate Spike 30.000		Recovery =	159.96%	
Target Compounds				
1) HATM Diesel (C10-C24)	6.49	4675985227	929.003	ppb
2) HBTM Motor Oil (C24-C40)	14.96	3391967397	989.959	ppb

Target Compounds

Data File: G:\APOLLO\DATA\211028\1028007.D
Sample : DMO STD 5 10/28/21





Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\211028\1028008.D Vial: 8
Acq On : 10-28-21 11:39:55 Operator: KA
Sample : DMO STD 6 10/28/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 28 15:39 2021 Quant Results File: DOC1028.RES

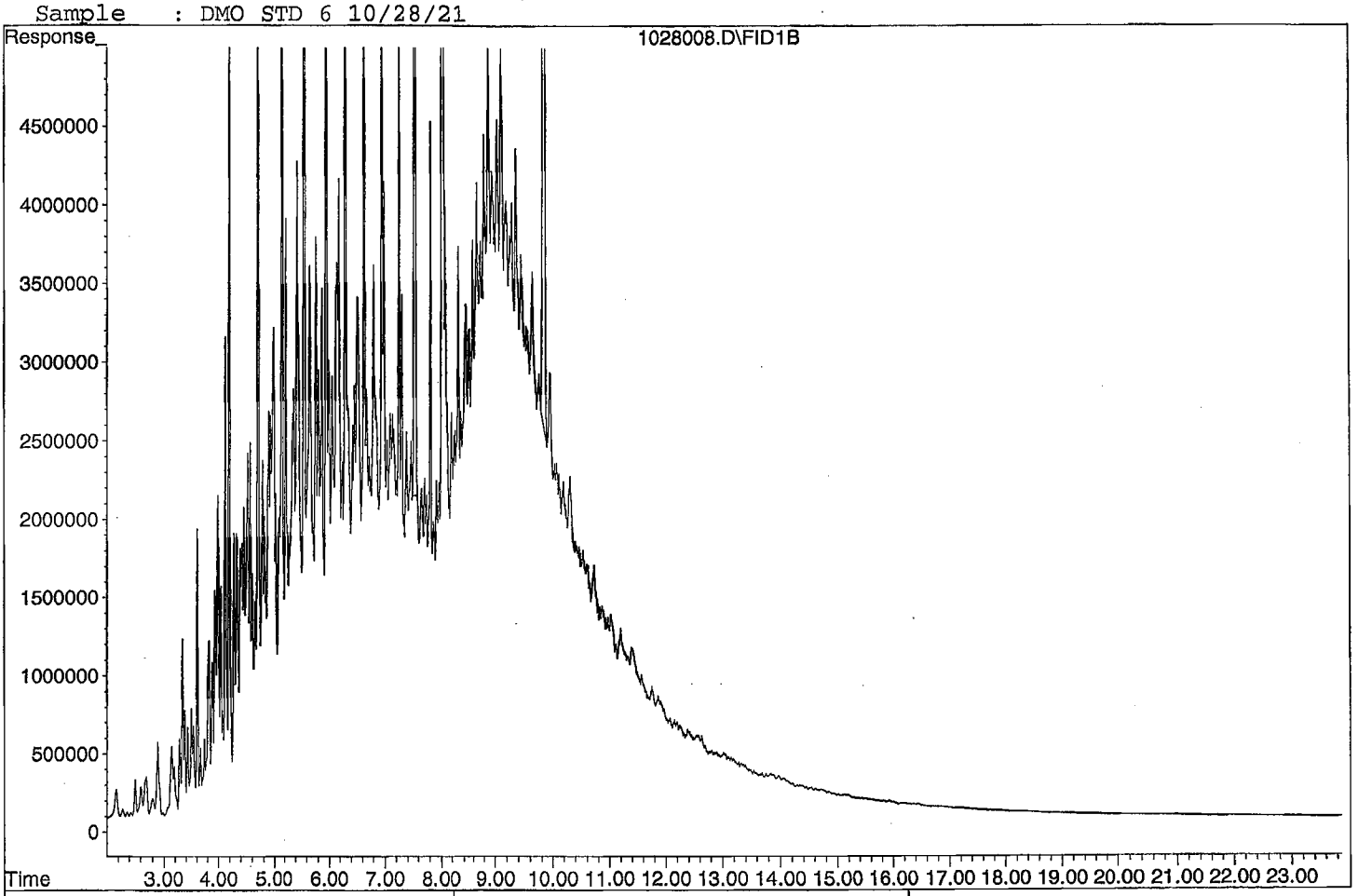
Method : G:\APOLLO\DATA\211028\DOC1028.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Oct 28 15:39:11 2021
Response via : Multiple Level Calibration

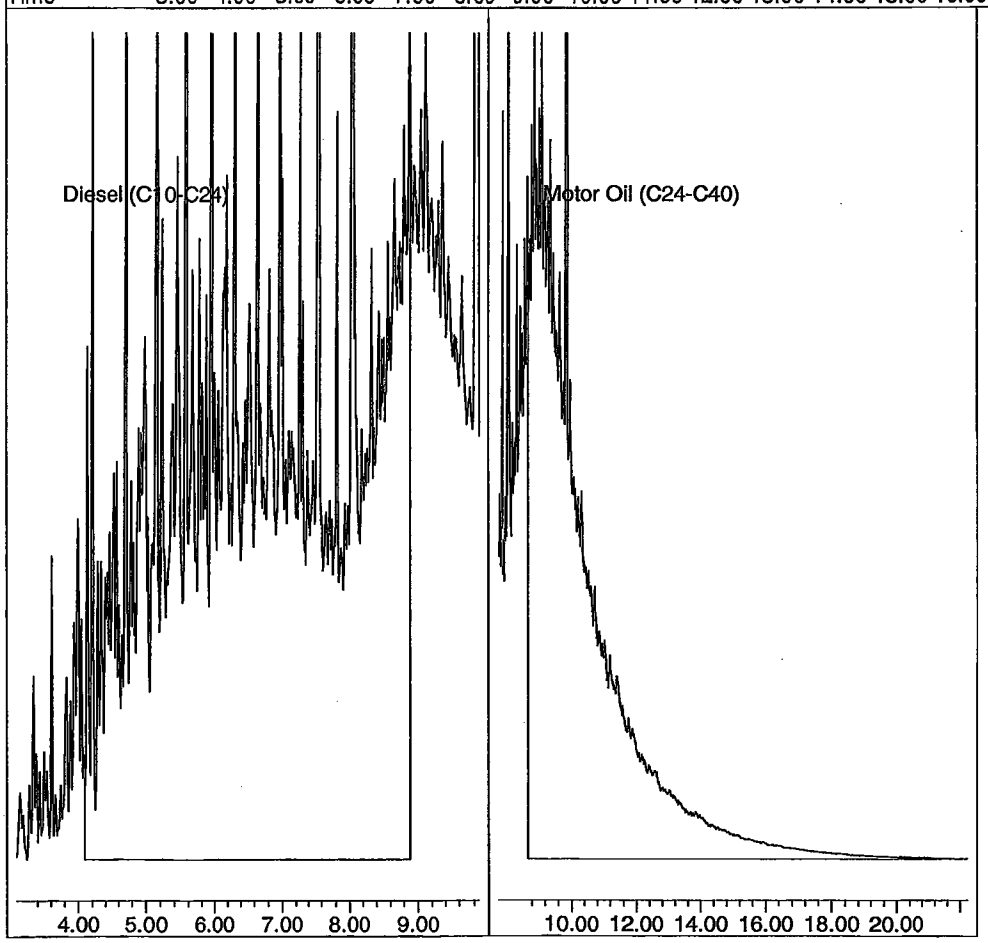
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
3) SA Ortho-Terphenyl(S)	7.54	435798382	69.672	ppb
Surrogate Spike 30.000		Recovery =	232.24%	
4) SA Octacosane(S)	9.84	325688048	72.009	ppb
Surrogate Spike 30.000		Recovery =	240.03%	
Target Compounds				
1) HATM Diesel (C10-C24)	6.49	7163144090	1423.140	ppb
2) HBTM Motor Oil (C24-C40)	14.96	5028351305	1472.405	ppb

Target Compounds

Data File: G:\APOLLO\DATA\211028\1028008.D
Sample : DMO STD 6 10/28/21





Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\211028\1028009.D Vial: 9
Acq On : 10-28-21 12:08:10 Operator: KA
Sample : DMO STD 7 10/28/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 28 15:39 2021 Quant Results File: DOC1028.RES

Method : G:\APOLLO\DATA\211028\DOC1028.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Oct 28 15:39:11 2021
Response via : Multiple Level Calibration

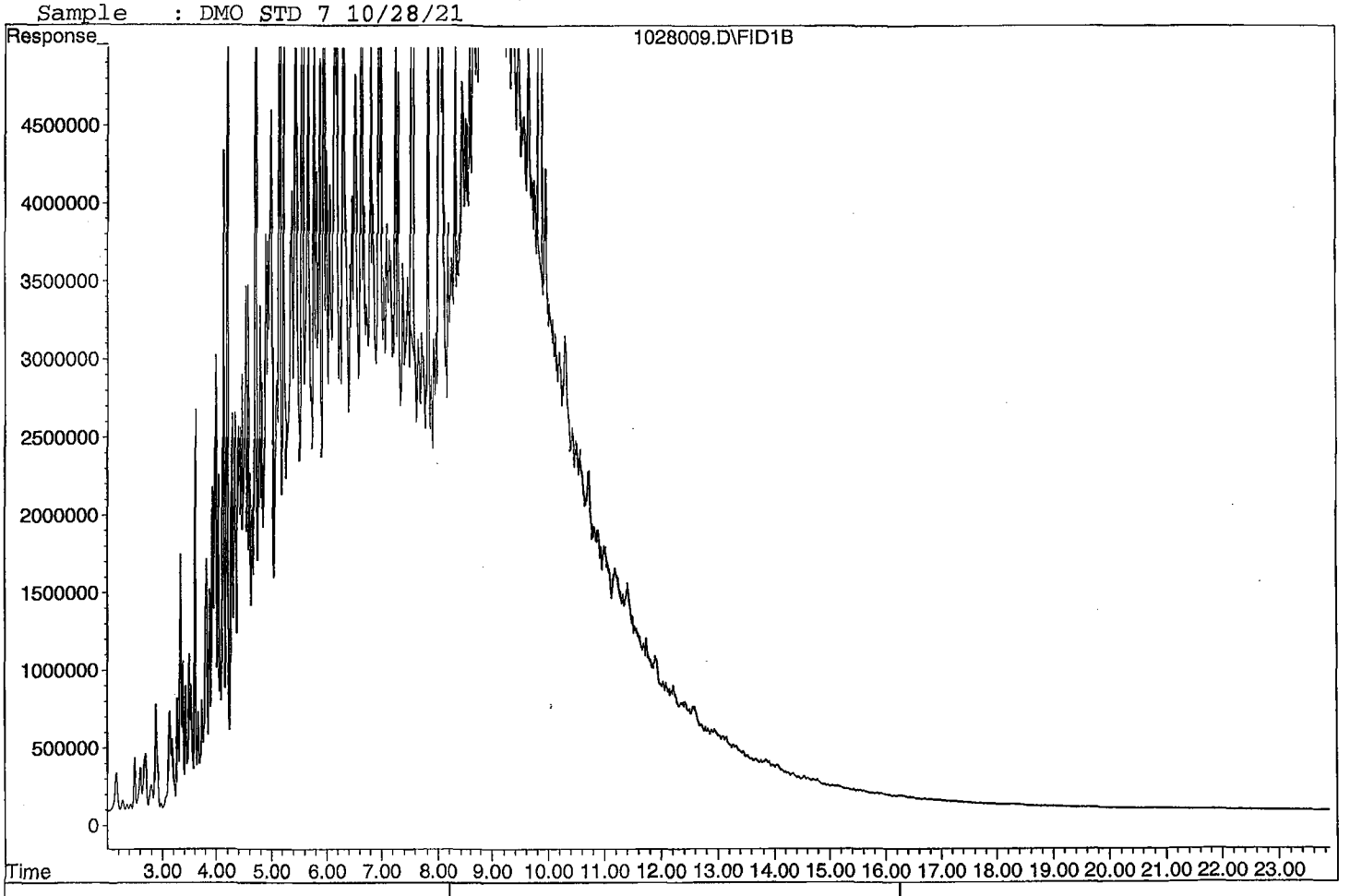
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

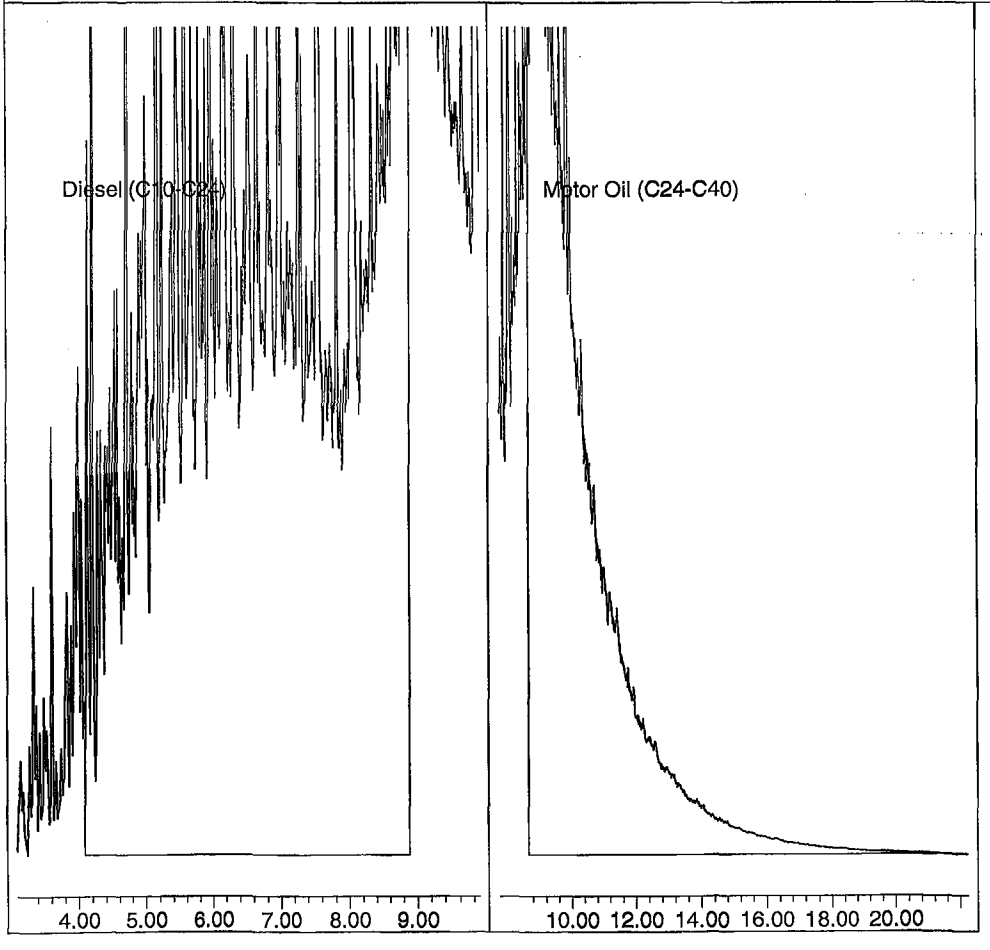
Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
3) SA Ortho-Terphenyl(S)	7.54	617758709	98.762	ppb
Surrogate Spike 30.000		Recovery =	329.21%	
4) SA Octacosane(S)	9.85	457331573	101.116	ppb
Surrogate Spike 30.000		Recovery =	337.05%	
Target Compounds				
1) HATM Diesel (C10-C24)	6.49	10255165539	2037.448	ppb
2) HBTM Motor Oil (C24-C40)	14.96	6914631831	2028.526	ppb

Target Compounds

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

Data File: G:\APOLLO\DATA\211028\1028009.D
Sample : DMO STD 7 10/28/21





TPH Extractables
DOC1028

Form 7

Second Source Calibration

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

SDG No:
Date Analyzed: 10/28/2021
Instrument: Apollo
Initial Cal. Date: 10/28/2021
Data File: 1028010.D

		Compound	MEAN	CCRF	%D		%Drift
1	HATM	Diesel (C10-C24)	2516670	2266400	9.9	HATM	
2	HBTM	Motor Oil (C24-C40)	2492040	1663520	33	HBTML	5.9
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		Average			21.5		

Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\211028\1028010.D Vial: 10
Acq On : 10-28-21 12:36:26 Operator: KA
Sample : DMO Second Source 10/28/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 28 15:39 2021 Quant Results File: DOC1028.RES

Method : G:\APOLLO\DATA\211028\DOC1028.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Oct 28 15:39:11 2021
Response via : Multiple Level Calibration

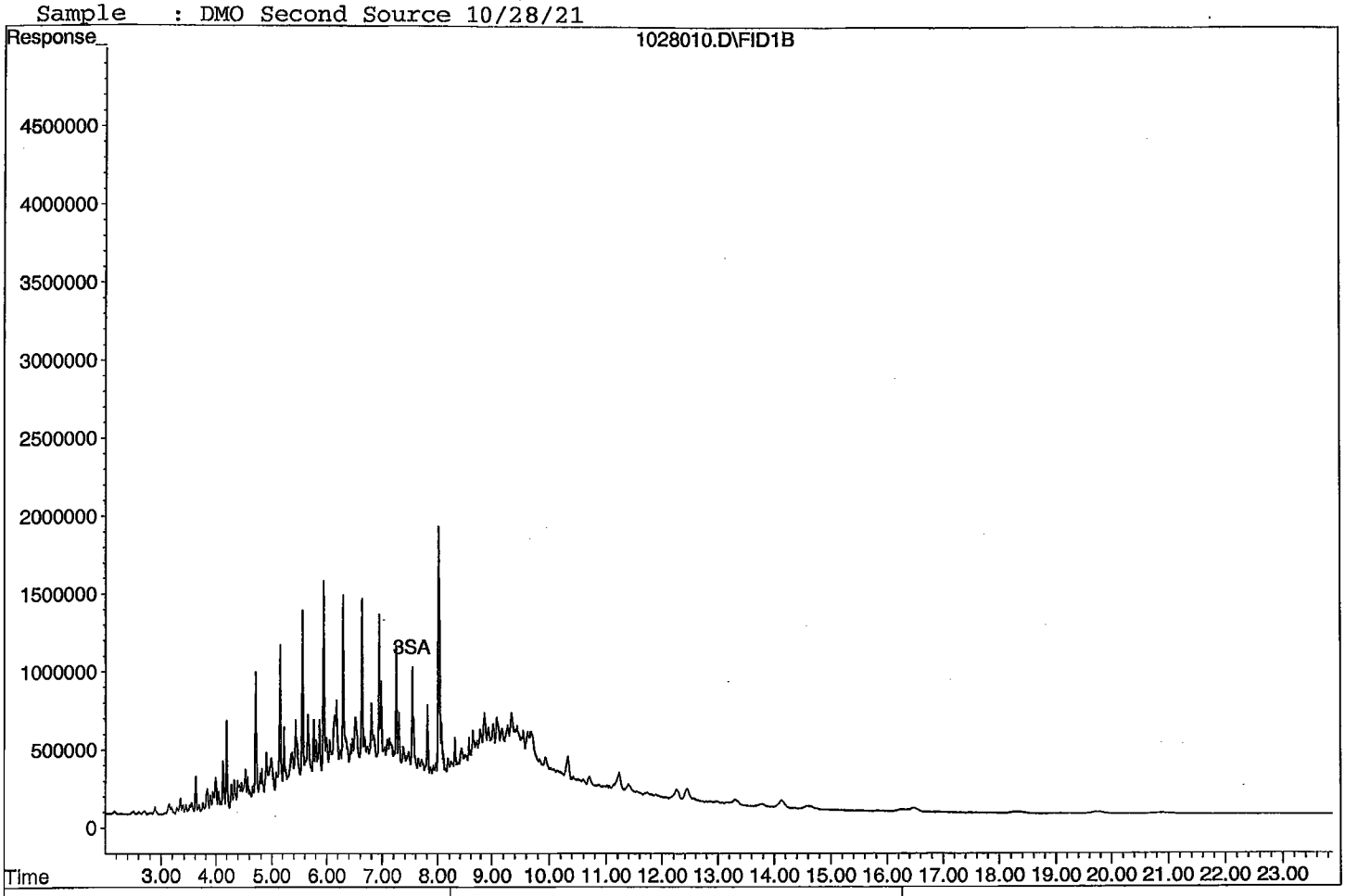
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

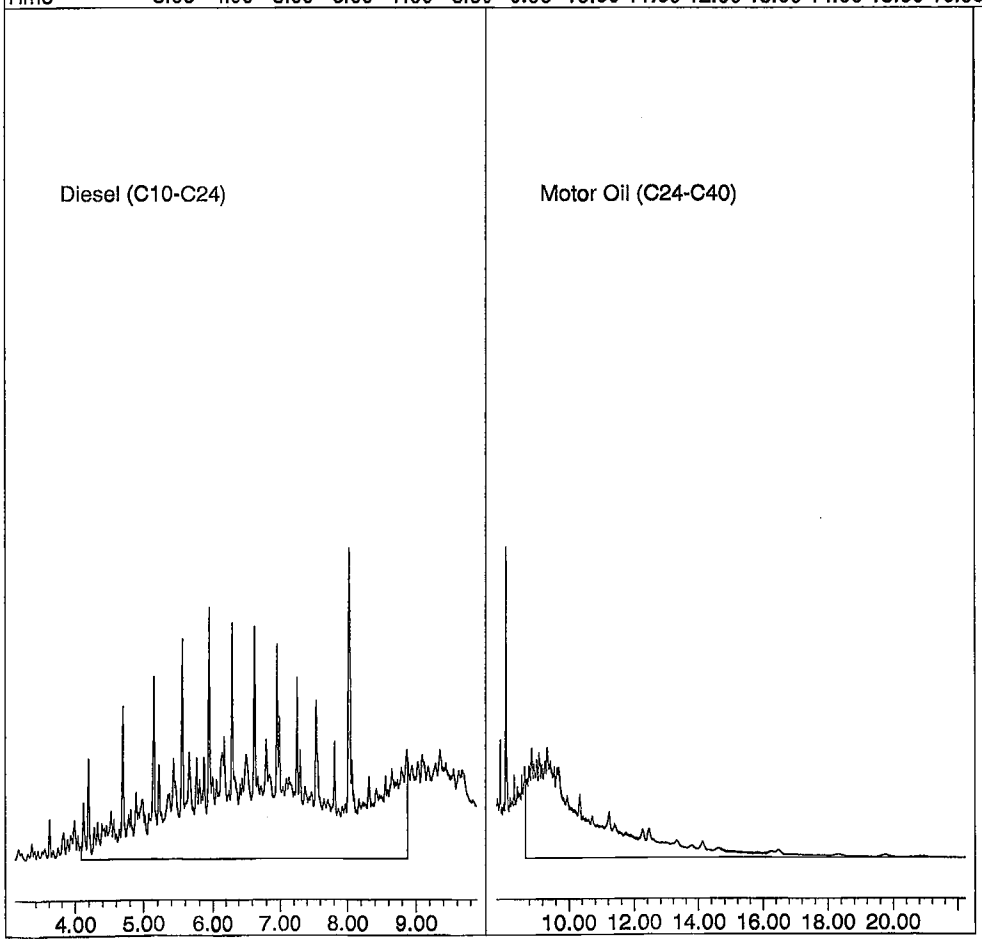
Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
3) SA Ortho-Terphenyl(S)	7.53	4250105	0.679	ppb
Surrogate Spike 30.000	Recovery =		2.26%	
4) SA Octacosane(S)	9.83	-3553	N.D.	ppb
Surrogate Spike 30.000	Recovery =		0.00%	
Target Compounds				
1) HATM Diesel (C10-C24)	6.49	1133202337	225.139	ppb
2) HBTM Motor Oil (C24-C40)	14.96	831758038	235.148	ppb

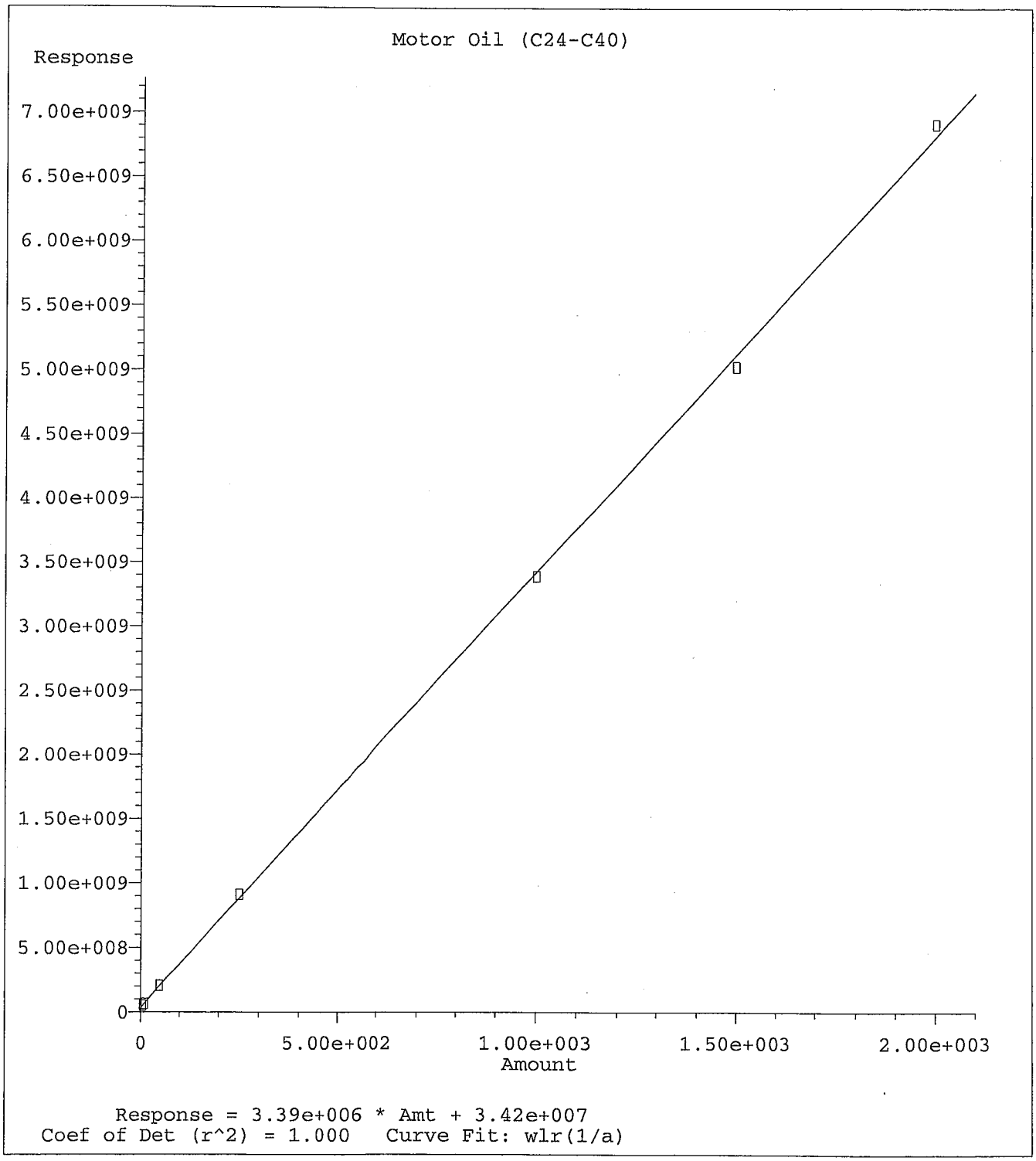
Target Compounds

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

Data File: G:\APOLLO\DATA\211028\1028010.D
Sample : DMO Second Source 10/28/21







Method Name: G:\APOLLO\DATA\211028\DOC1028.M
Calibration Table Last Updated: Thu Oct 28 15:37:06 2021

TPH Extractables
DEC0911

Form 6
Initial Calibration

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

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

Quantitation Report (Not Reviewed)

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

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

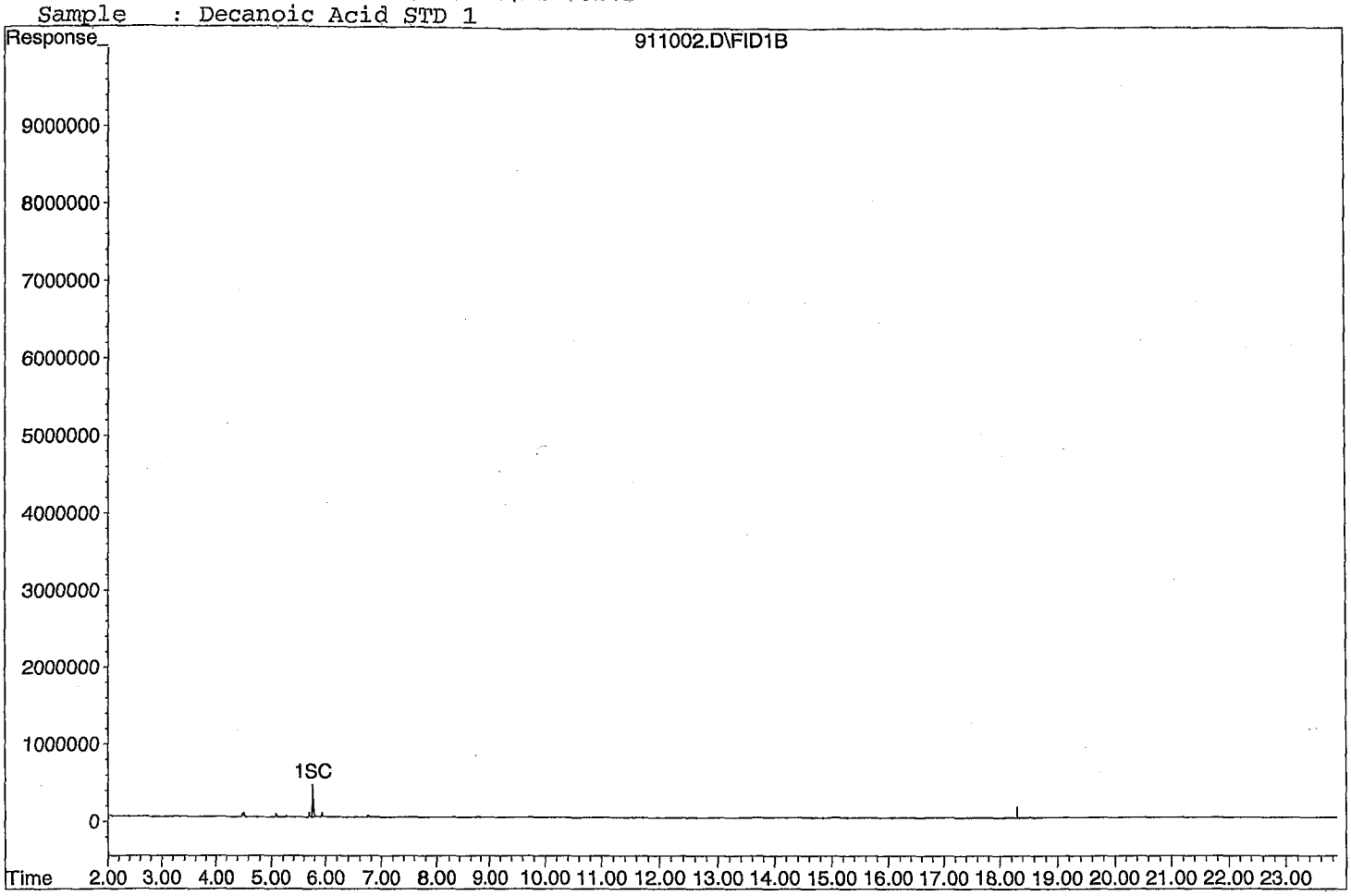
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

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

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

Quantitation Report

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



Quantitation Report (Not Reviewed)

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

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

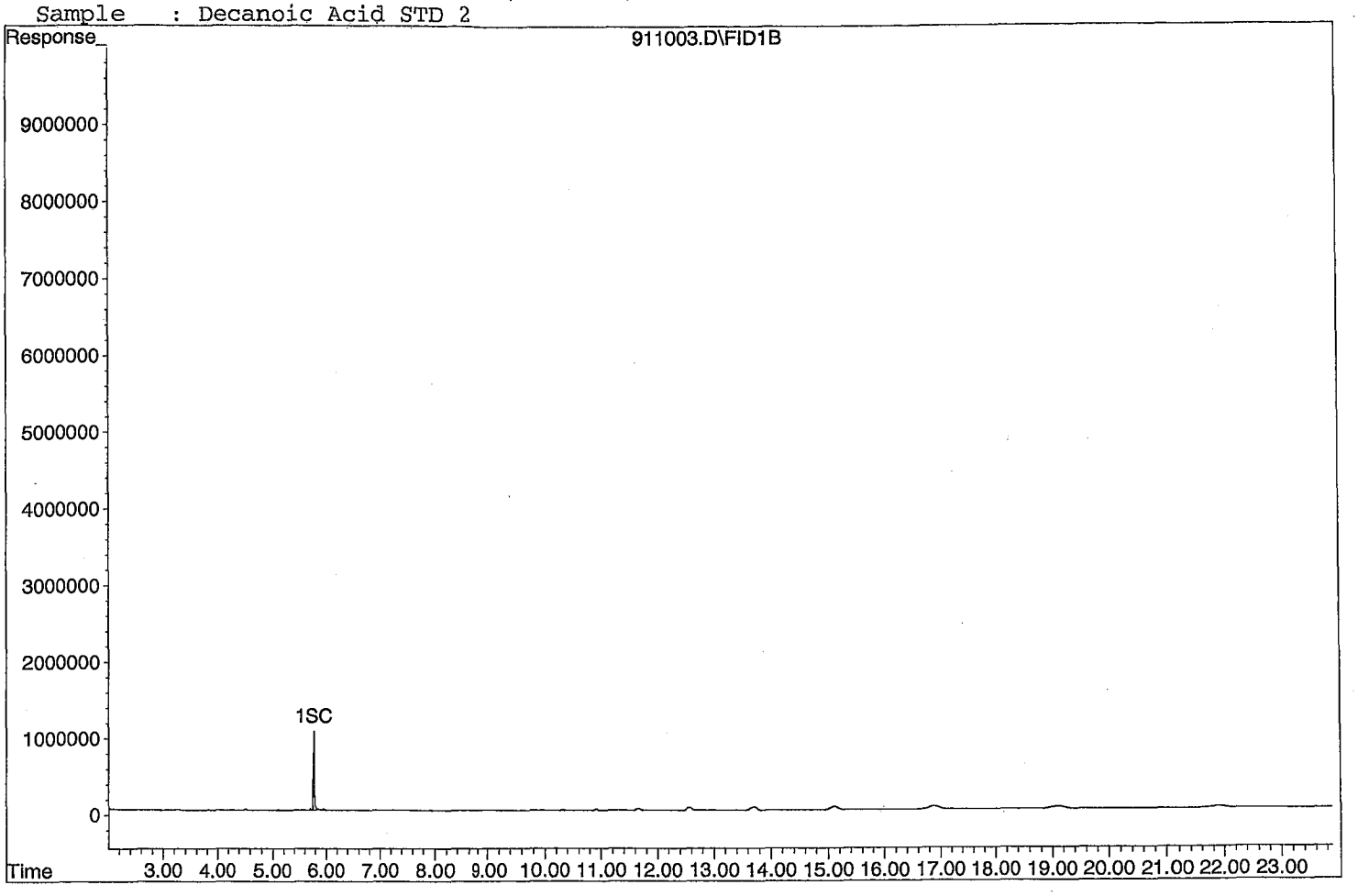
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

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

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

Quantitation Report

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



Quantitation Report (Not Reviewed)

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

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

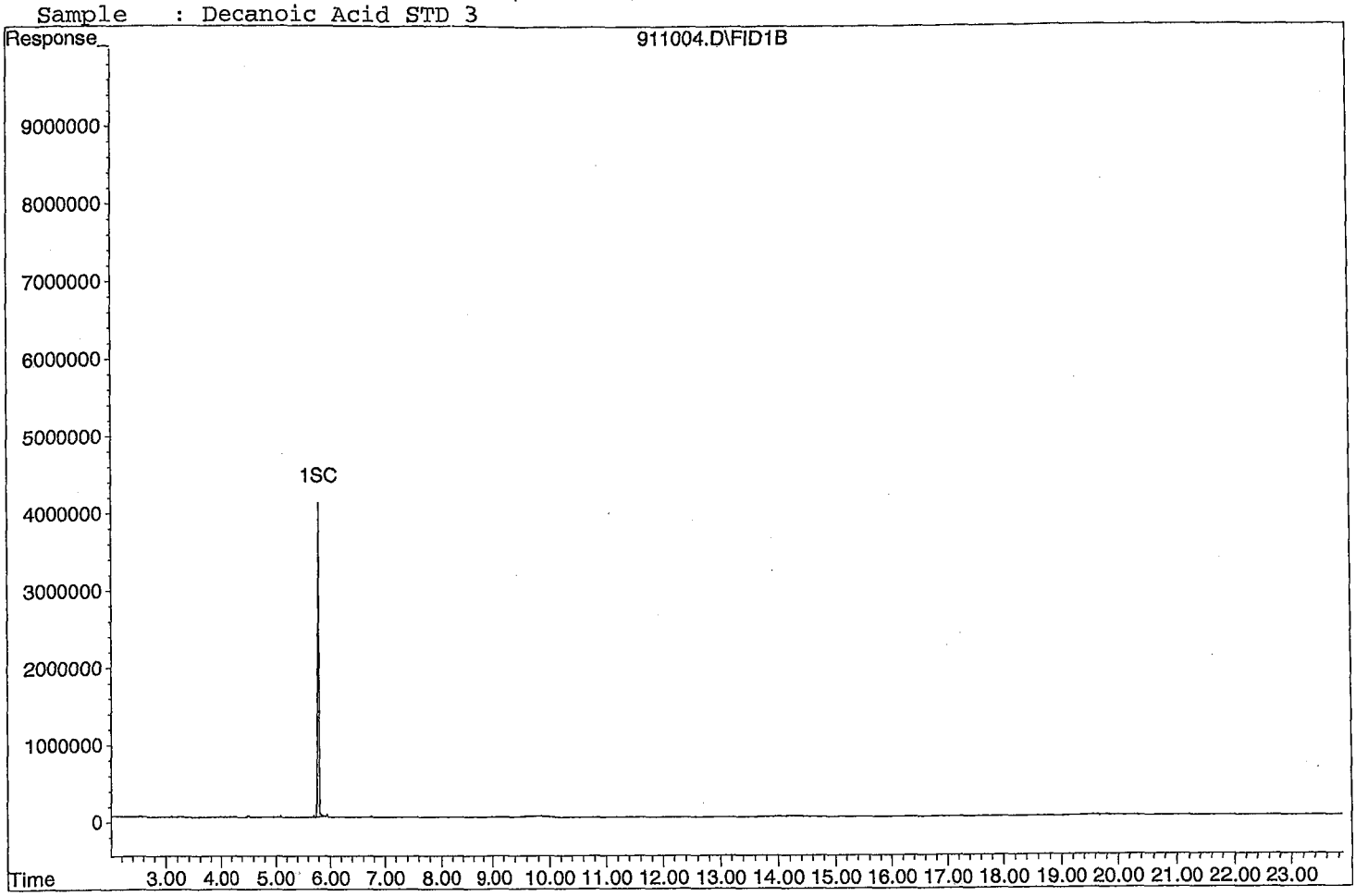
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

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

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

Quantitation Report

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



Quantitation Report (Not Reviewed)

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

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

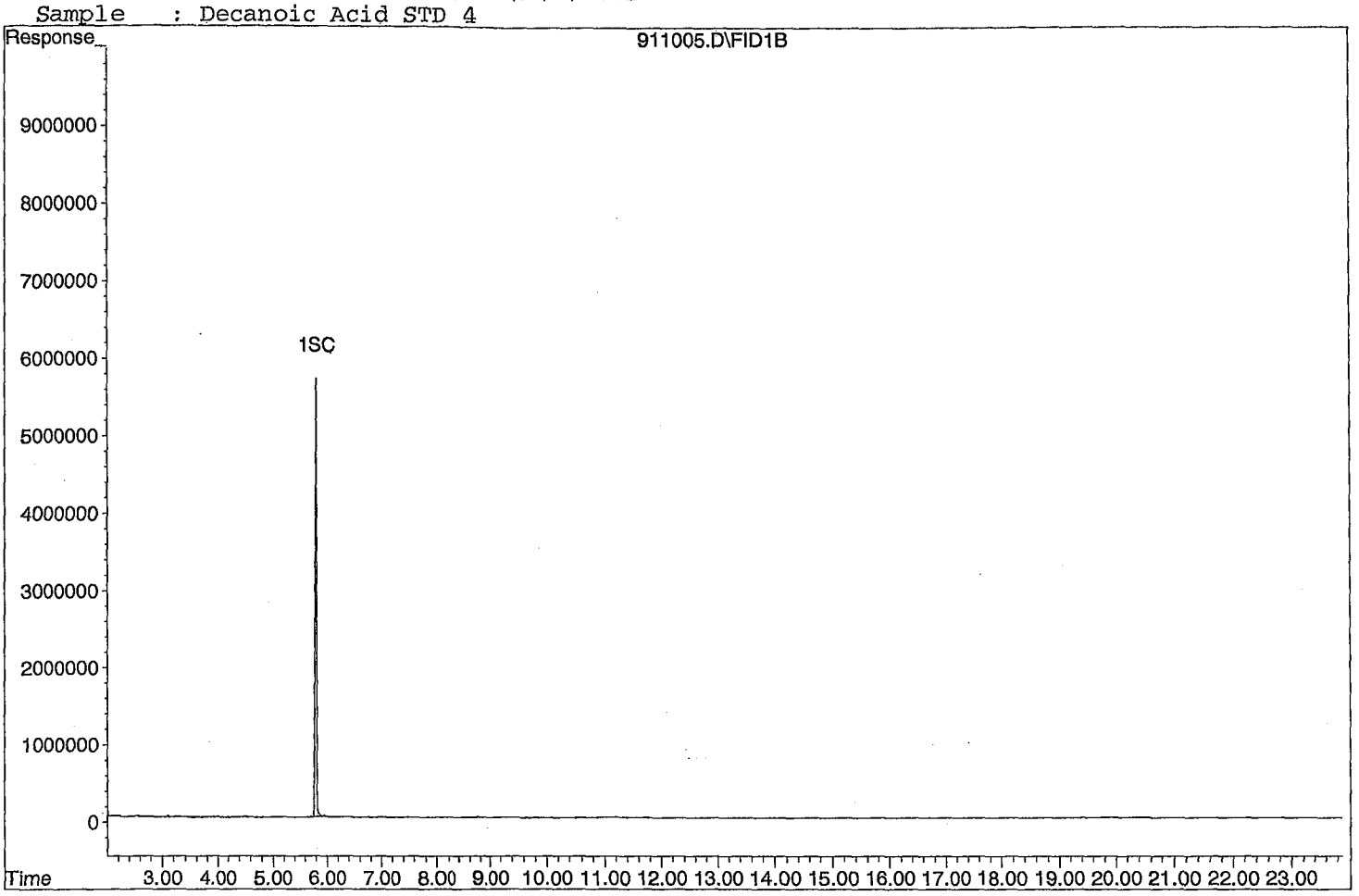
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

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

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

Quantitation Report

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



Quantitation Report (Not Reviewed)

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

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

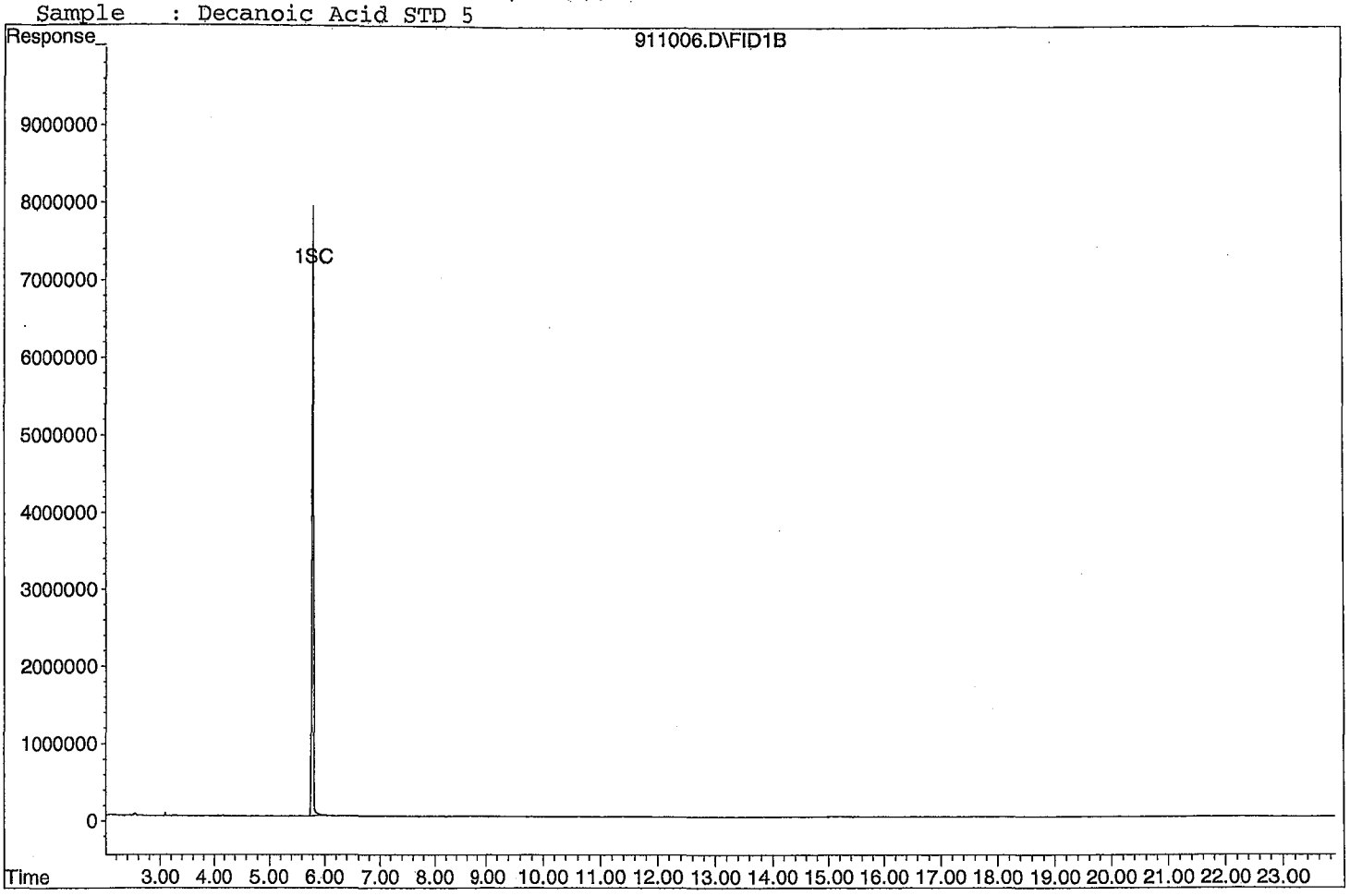
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

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

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

Quantitation Report

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



Quantitation Report (Not Reviewed)

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

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

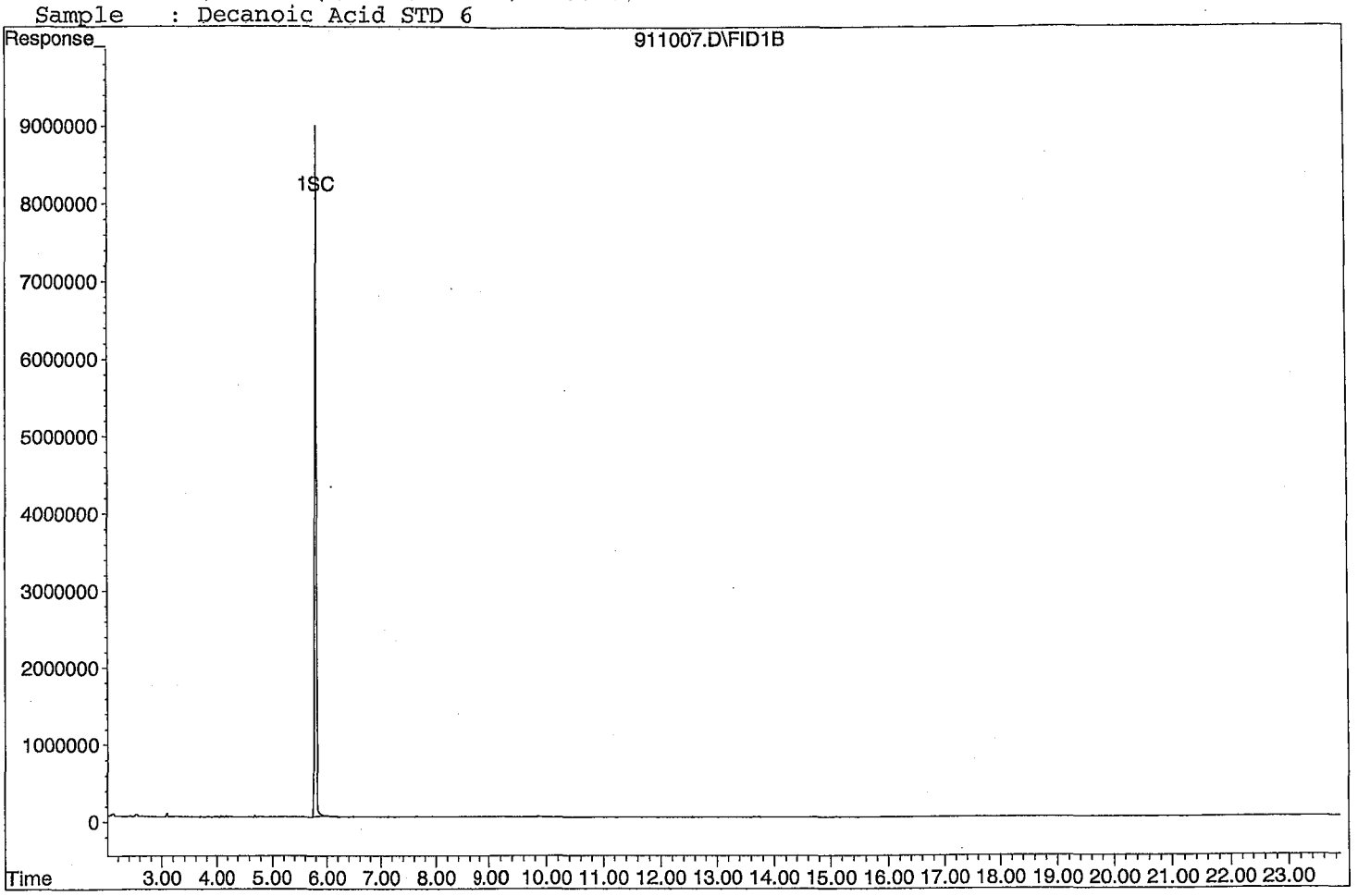
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

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

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

Quantitation Report

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



TPH Extractables
DOC1028

Form 7

Continuing Calibration

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

SDG No:
Date Analyzed: 10/30/2021
Instrument: Apollo
Initial Cal. Date: 10/28/2021
Data File: 1030005.D

		Compound	MEAN	CCRF	%D	%Drift	
1	HATM	Diesel (C10-C24)	2516670	2132740	15	HATM	
2	HBTM	Motor Oil (C24-C40)	2492040	1662500	33	HBTML	6.0
3	SA	Ortho-Terphenyl(S)	3127510	2593570	17	SA	
4	SA	Octacosane(S)	2261430	1924620	15	SA	
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		Average			20.0		

Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\211030\1030005.D Vial: 5
Acq On : 10-30-21 12:55:52 Operator: KA
Sample : DMO LVL4 CCV 10/27/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 30 12:47 2021 Quant Results File: DOC1028.RES

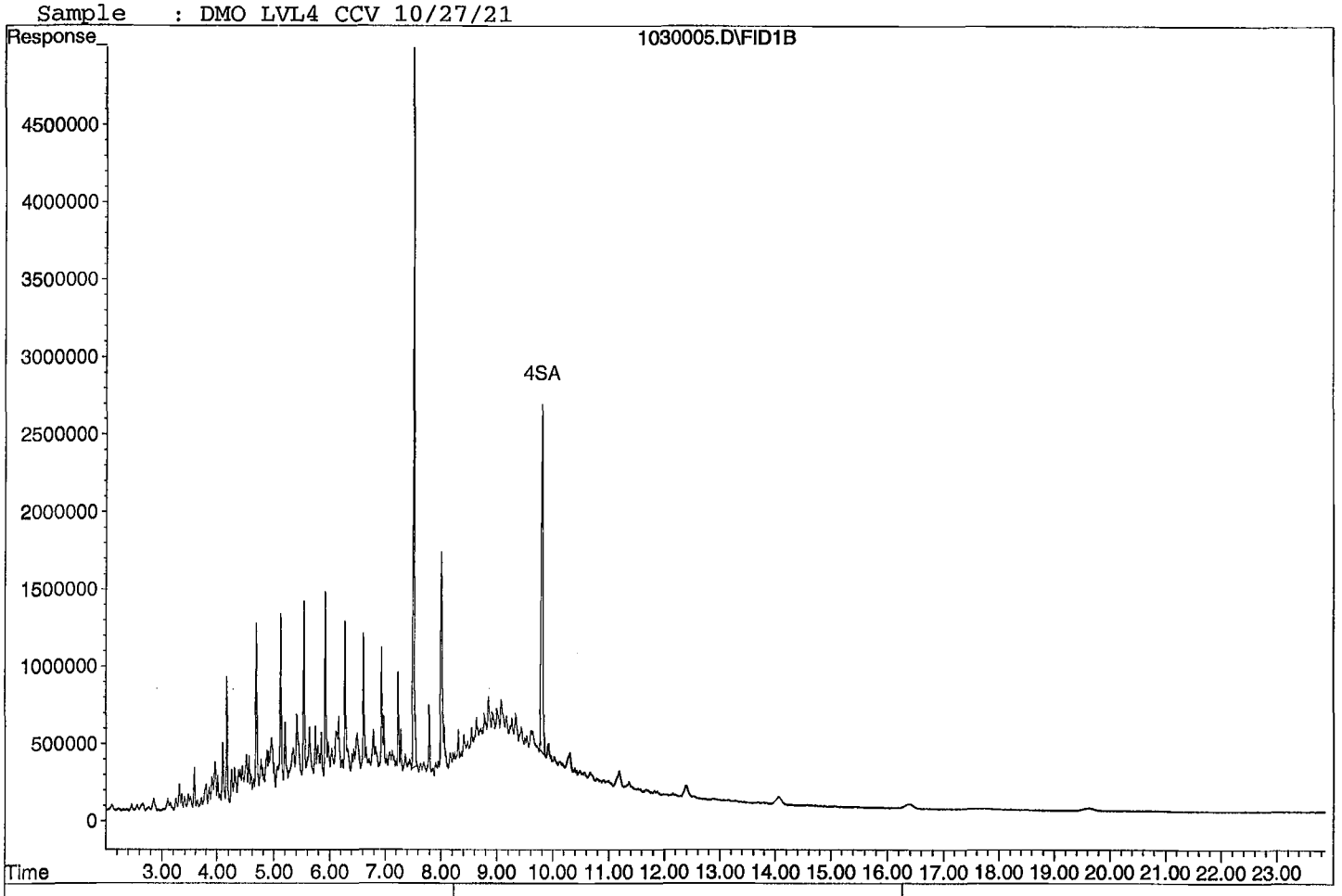
Method : G:\APOLLO\DATA\211028\DOC1028.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Nov 18 13:26:01 2021
Response via : Multiple Level Calibration

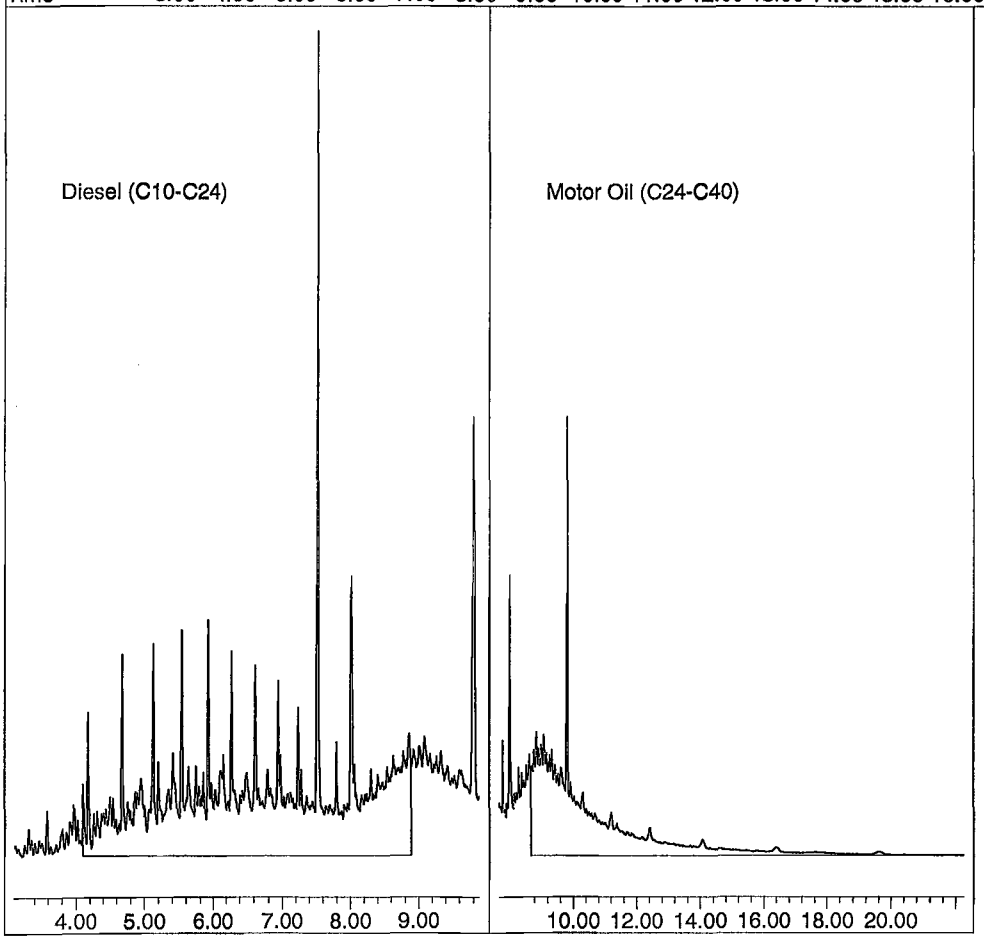
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.52	64839132	10.366 ppb
Surrogate Spike 30.000	Recovery =		34.55%
4) SA Octacosane(S)	9.80	48115466	10.638 ppb
Surrogate Spike 30.000	Recovery =		35.46%
Target Compounds			
1) HATM Diesel (C10-C24)	6.49	1066370380	211.861 ppb
2) HBTM Motor Oil (C24-C40)	14.96	831250471	234.998 ppb
Target Compounds			

Quantitation Report

Data File: G:\APOLLO\DATA\211030\1030005.D
Sample : DMO LVL4 CCV 10/27/21





TPH Extractables
DEC0911

Form 7

Continuing Calibration

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

SDG No:
Date Analyzed: 10/30/2021
Instrument: Apollo
Initial Cal. Date: 9/11/2021
Data File: 1030006.D

		Compound	MEAN	CCRF	%D	%Drift	
1	SC	Decanoic Acid(S)	1283070	1331430	3.8	SC	
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		Average			3.8		

Quantitation Report (Not Reviewed)

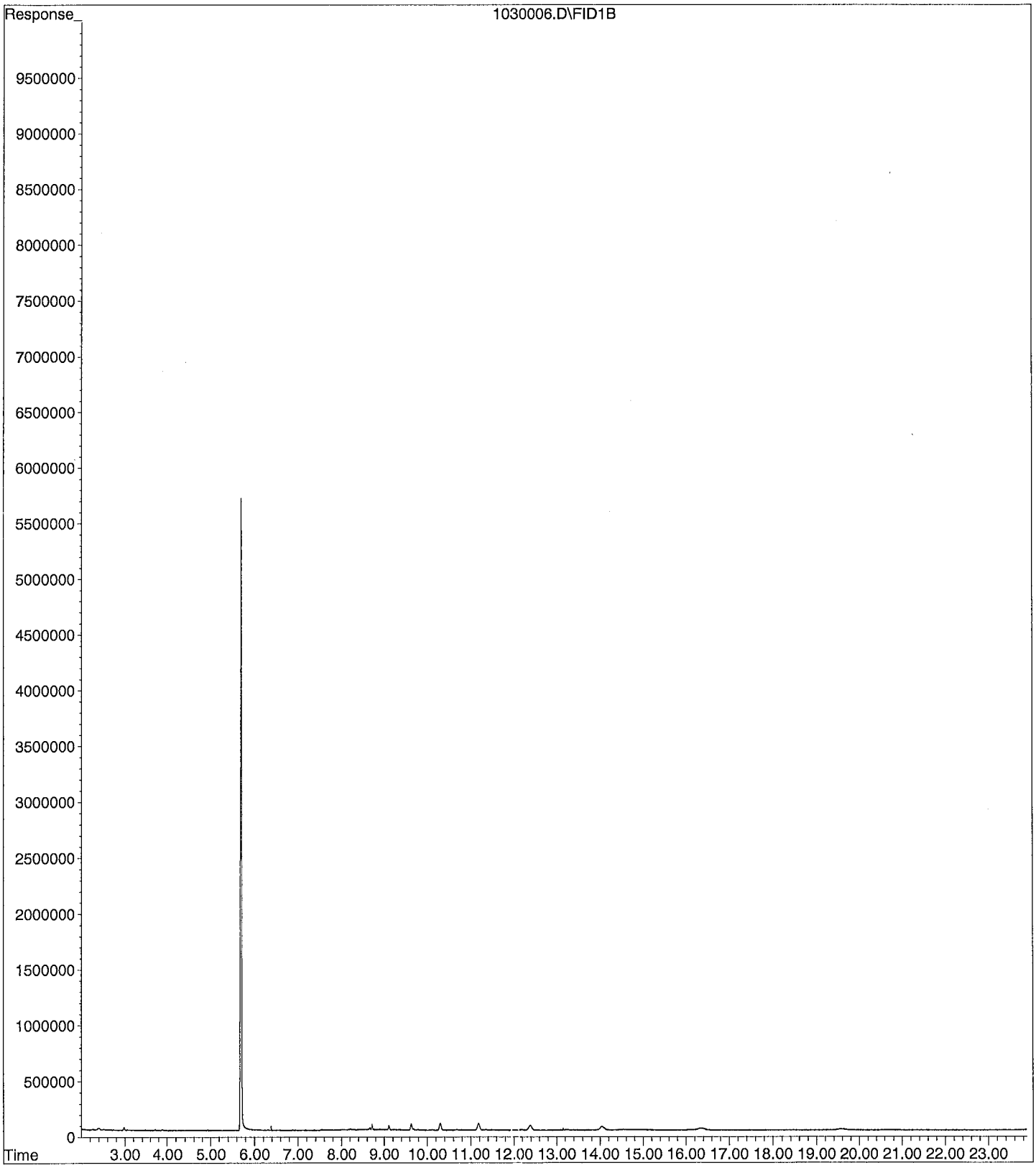
Data File : G:\APOLLO\DATA\211030\1030006.D Vial: 6
Acq On : 10-30-21 13:24:07 Operator: KA
Sample : Decanoic Acid CCV 10/8/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 30 12:58 2021 Quant Results File: DEC0911.RES

Method : G:\APOLLO\DATA\210911\DEC0911.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Fri Nov 05 10:50:06 2021
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)	5.71	95862802	37.357 ppb
Surrogate Spike 24.000	Recovery =		155.65%
Target Compounds			
Target Compounds			

File : G:\APOLLO\DATA\211030\1030006.D
Operator : KA
Acquired : 10-30-21 13:24:07 using AcqMethod TPHSN.M
Instrument : Apollo
Sample Name: Decanoic Acid CCV 10/8/21
Misc Info : water
Vial Number: 6



TPH Extractables
DOC1028

Form 7

Continuing Calibration

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

SDG No:
Date Analyzed: 10/30/2021
Instrument: Apollo
Initial Cal. Date: 10/28/2021
Data File: 1030027.D

		Compound	MEAN	CCRF	%D	%Drift	
1	HATM	Diesel (C10-C24)	2516670	2223900	12	HATM	
2	HBTM	Motor Oil (C24-C40)	2492040	1662140	33	HBTML	6.0
3	SA	Ortho-Terphenyl(S)	3127510	2694800	14	SA	
4	SA	Octacosane(S)	2261430	2045590	9.5	SA	
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		Average			17.1		

Quantitation Report (Not Reviewed)

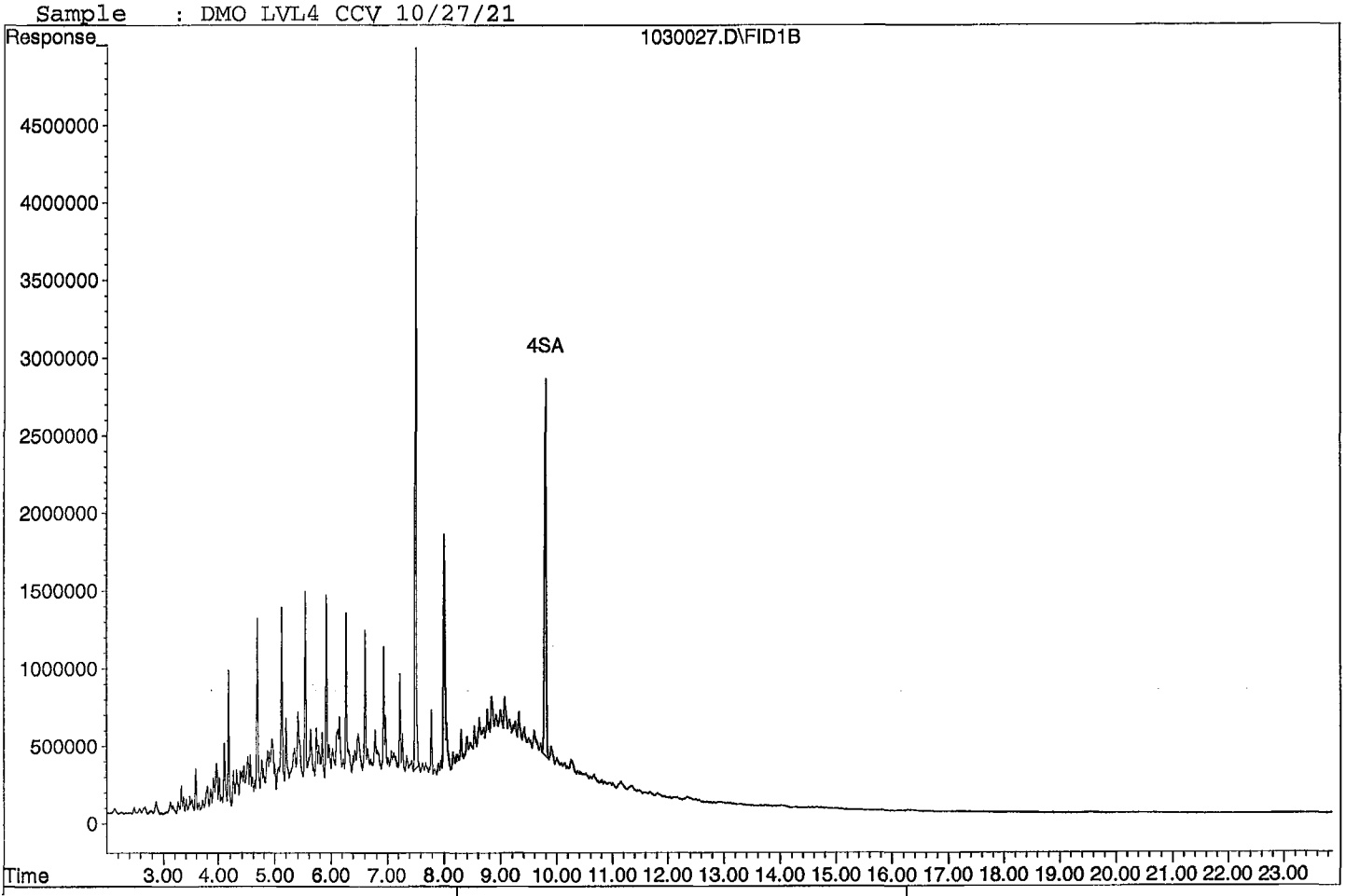
Data File : G:\APOLLO\DATA\211030\1030027.D Vial: 27
Acq On : 10-30-21 23:35:45 Operator: KA
Sample : DMO LVL4 CCV 10/27/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Nov 1 7:13 2021 Quant Results File: DOC1028.RES

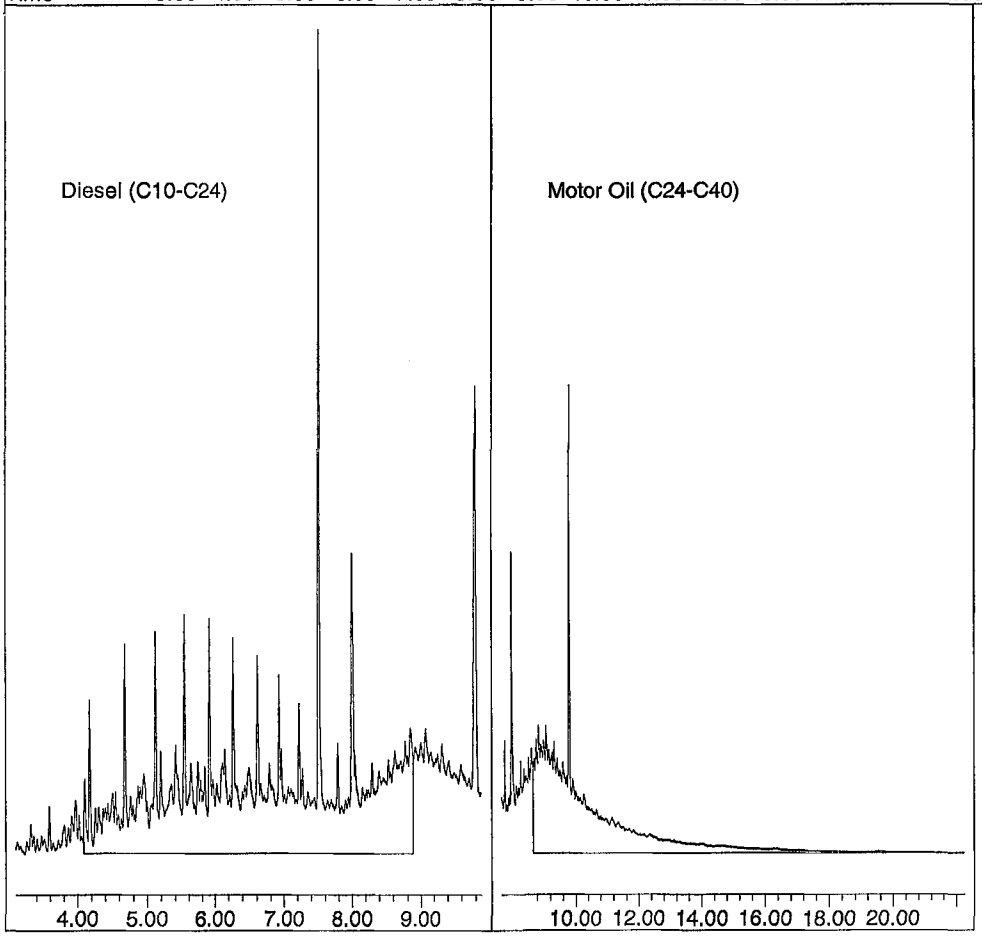
Method : G:\APOLLO\DATA\211028\DOC1028.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Nov 18 13:26:01 2021
Response via : Multiple Level Calibration

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

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.51	67370053	10.771 ppb
Surrogate Spike 30.000		Recovery =	35.90%
4) SA Octacosane(S)	9.79	51139821	11.307 ppb
Surrogate Spike 30.000		Recovery =	37.69%
Target Compounds			
1) HATM Diesel (C10-C24)	6.49	1111948802	220.917 ppb
2) HBTM Motor Oil (C24-C40)	14.96	831070275	234.945 ppb
Target Compounds			

Data File: G:\APOLLO\DATA\211030\1030027.D
Sample : DMO LVL4 CCV 10/27/21





TPH Extractables
DEC0911

Form 7

Continuing Calibration

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

SDG No:
Date Analyzed: 10/31/2021
Instrument: Apollo
Initial Cal. Date: 9/11/2021
Data File: 1030028.D

		Compound	MEAN	CCRF	%D	%Drift	
1	SC	Decanoic Acid(S)	1283070	1354960	5.6	SC	
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		Average			5.6		

Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\211030\1030028.D Vial: 28
Acq On : 10-31-21 0:03:54 Operator: KA
Sample : Decanoic Acid CCV 10/8/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Nov 1 7:13 2021 Quant Results File: DEC0911.RES

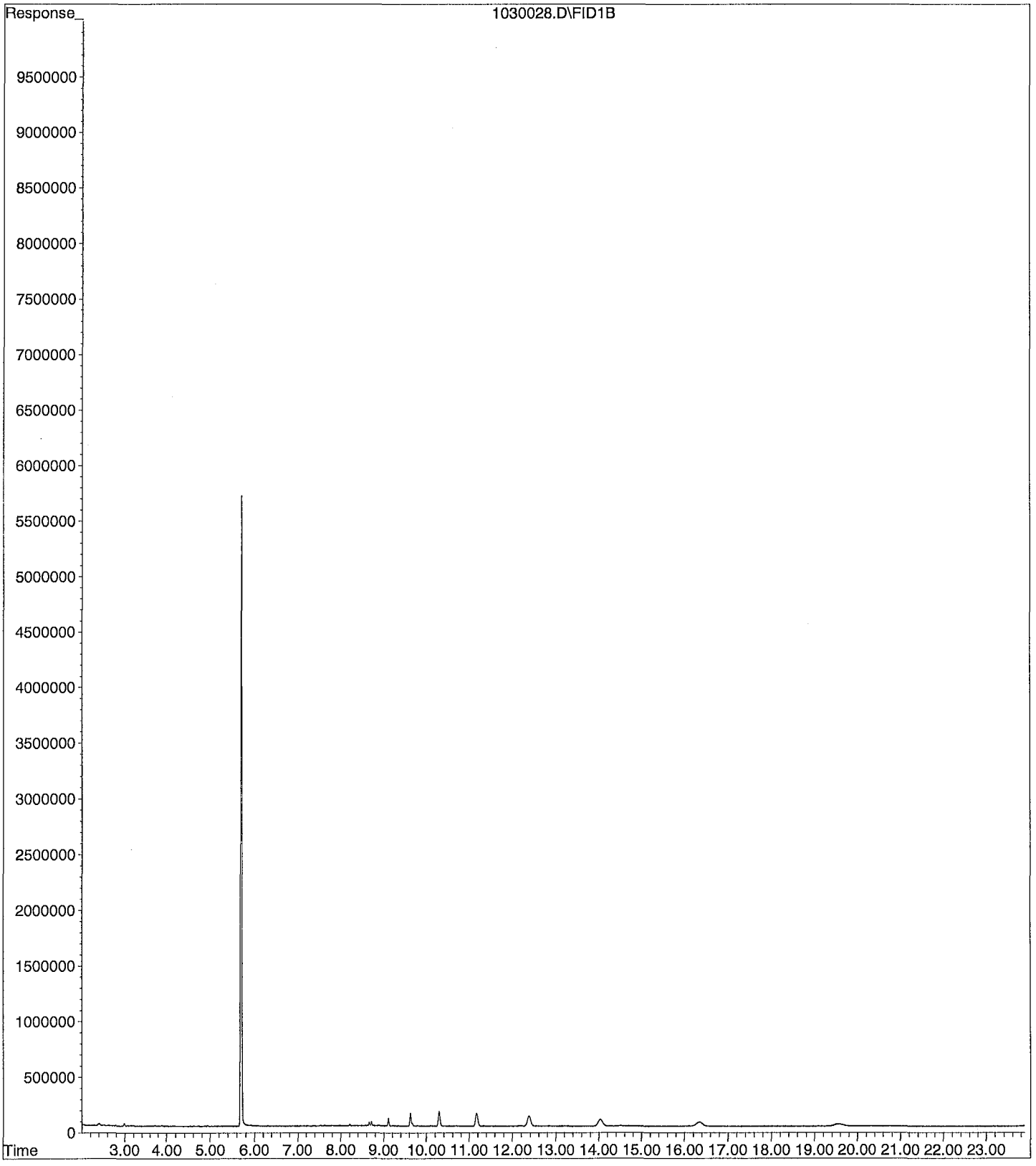
Method : G:\APOLLO\DATA\210911\DEC0911.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Fri Nov 05 10:50:06 2021
Response via : Multiple Level Calibration

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

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) SC Decanoic Acid(S)	5.71	97557381	38.017 ppb
Surrogate Spike 24.000	Recovery =		158.40%
Target Compounds			
Target Compounds			

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

File : G:\APOLLO\DATA\211030\1030028.D
Operator : KA
Acquired : 10-31-21 0:03:54 using AcqMethod TPHSN.M
Instrument : Apollo
Sample Name: Decanoic Acid CCV 10/8/21
Misc Info : water
Vial Number: 28



TPH Extractables
DOC1028

Form 7

Continuing Calibration

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

SDG No:
Date Analyzed: 11/8/2021
Instrument: Apollo
Initial Cal. Date: 10/28/2021
Data File: 1108017.D

		Compound	MEAN	CCRF	%D	%Drift	
1	HATM	Diesel (C10-C24)	2516670	2295230	8.8	HATM	
2	HBTM	Motor Oil (C24-C40)	2492040	1716250	31	HBTML	2.8
3	SA	Ortho-Terphenyl(S)	3127510	2824680	9.7	SA	
4	SA	Octacosane(S)	2261430	2071250	8.4	SA	
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		Average			14.5		

Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\211108\1108017.D Vial: 17
Acq On : 11-8-21 17:11:31 Operator: KA
Sample : DMO LVL 4 CCV 10/27/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Nov 9 15:46 2021 Quant Results File: DOC1028.RES

Method : G:\APOLLO\DATA\211028\DOC1028.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Nov 18 13:26:01 2021
Response via : Multiple Level Calibration

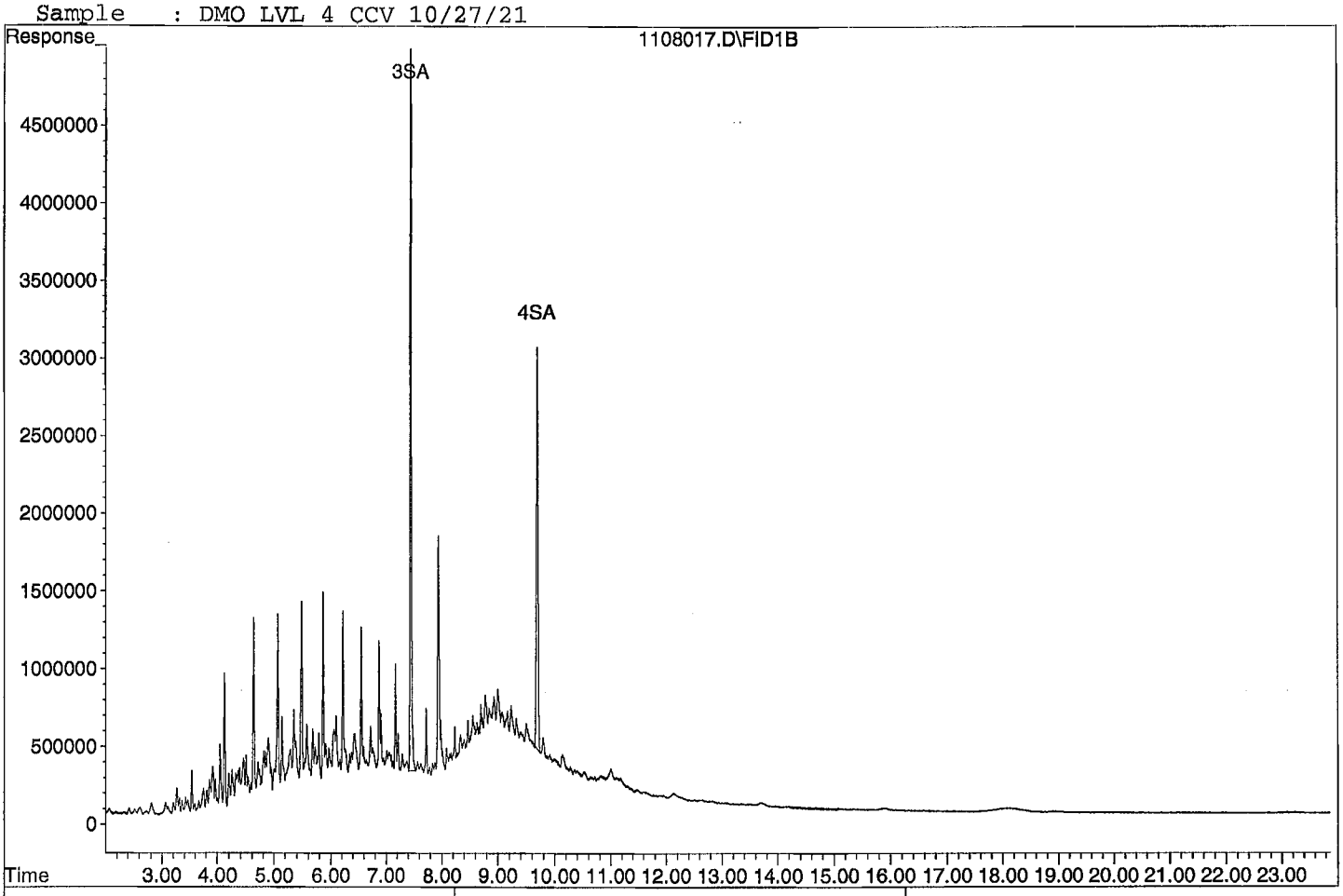
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

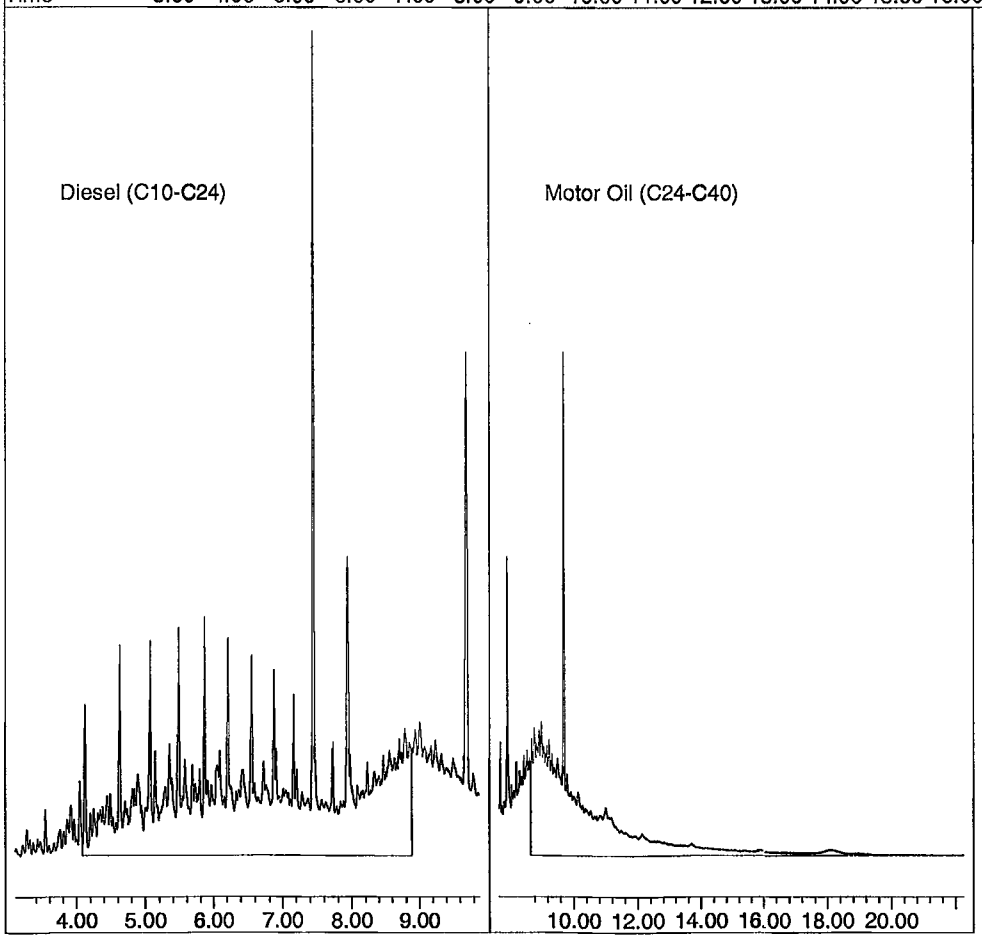
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.44	70616903	11.290 ppb
Surrogate Spike 30.000	Recovery =		37.63%
4) SA Octacosane(S)	9.69	51781229	11.449 ppb
Surrogate Spike 30.000	Recovery =		38.16%
Target Compounds			
1) HATM Diesel (C10-C24)	6.49	1147615574	228.003 ppb
2) HBTM Motor Oil (C24-C40)	14.96	858124559	242.921 ppb
Target Compounds			

(f)=RT Delta > 1/2 Window

(m)=manual int.
1108017.D DOC1028.M Wed Nov 24 09:07:38 2021

Data File: G:\APOLLO\DATA\211108\1108017.D
Sample : DMO LVL 4 CCV 10/27/21





TPH Extractables
DEC0911

Form 7

Continuing Calibration

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

SDG No:
Date Analyzed: 11/8/2021
Instrument: Apollo
Initial Cal. Date: 9/11/2021
Data File: 1108018.D

		Compound	MEAN	CCRF	%D	%Drift	
1	SC	Decanoic Acid(S)	1283070	1320410	2.9	SC	
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29							
30							
31							
32							
33							
34							
35							
36							
37							
38							
39							
40							
		Average			2.9		

Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\211108\1108018.D Vial: 18
Acq On : 11-8-21 17:39:42 Operator: KA
Sample : Decanoic Acid CCV 11/5/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Nov 9 15:47 2021 Quant Results File: DEC0911.RES

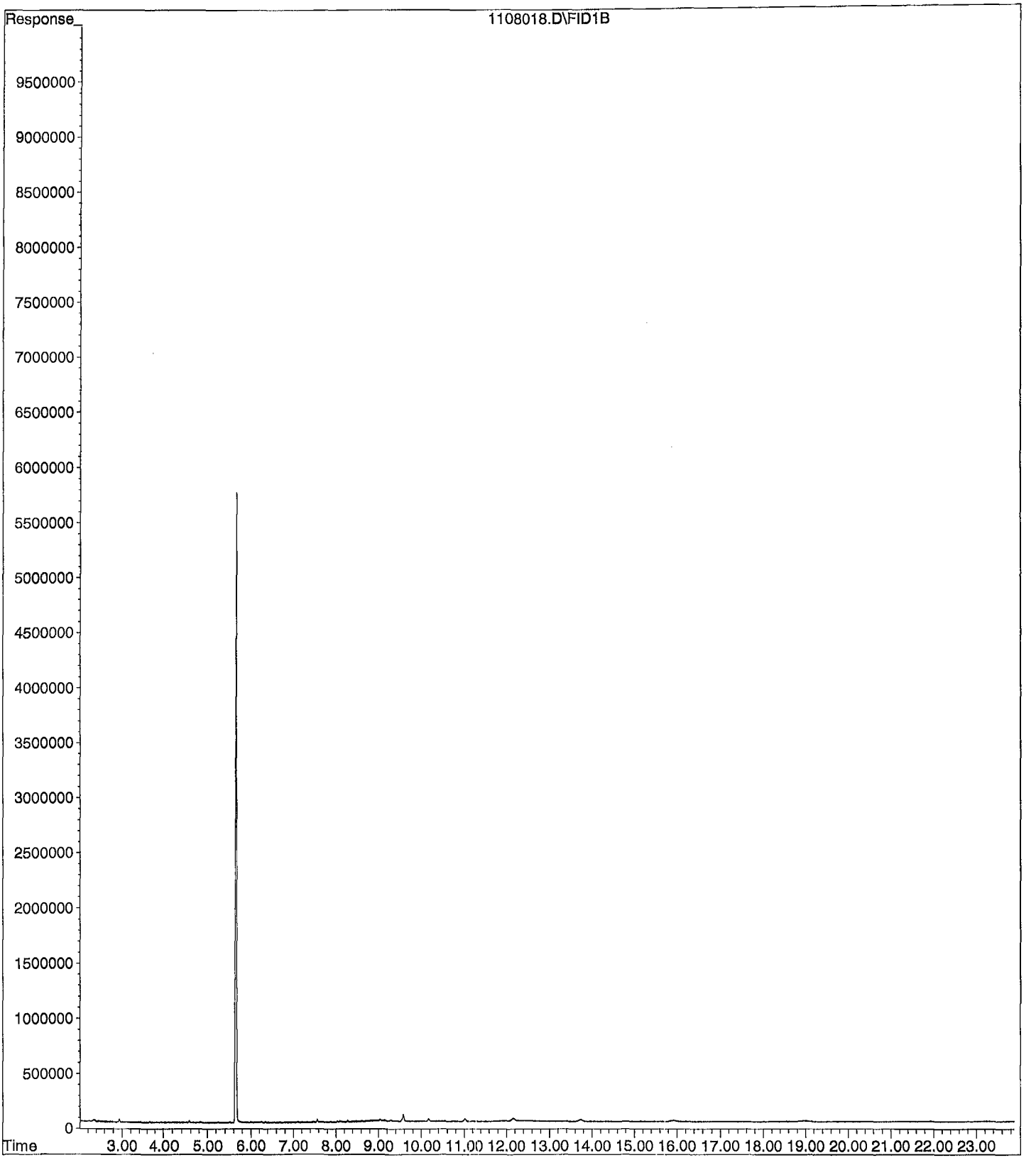
Method : G:\APOLLO\DATA\210911\DEC0911.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Fri Nov 05 10:50:06 2021
Response via : Multiple Level Calibration

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

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) SC Decanoic Acid(S)	5.65	95069372	37.048 ppb
Surrogate Spike 24.000	Recovery =		154.37%
Target Compounds			
Target Compounds			

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

File : G:\APOLLO\DATA\211108\1108018.D
Operator : KA
Acquired : 11-8-21 17:39:42 using AcqMethod TPHSN.M
Instrument : Apollo
Sample Name: Decanoic Acid CCV 11/5/21
Misc Info : water
Vial Number: 18



TPH Extractables
DOC1028

Form 7

Continuing Calibration

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

SDG No:
Date Analyzed: 11/8/2021
Instrument: Apollo
Initial Cal. Date: 10/28/2021
Data File: 1108025.D

		Compound	MEAN	CCRF	%D	%Drift	
1	HATM	Diesel (C10-C24)	2516670	2306970	8.3	HATM	
2	HBTM	Motor Oil (C24-C40)	2492040	1679900	33	HBTML	5.0
3	SA	Ortho-Terphenyl(S)	3127510	2851070	8.8	SA	
4	SA	Octacosane(S)	2261430	2086250	7.7	SA	
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
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28							
29							
30							
31							
32							
33							
34							
35							
36							
37							
38							
39							
40							
		Average			14.5		

Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\211108\1108025.D Vial: 25
Acq On : 11-8-21 20:56:32 Operator: KA
Sample : DMO LVL 4 CCV 10/27/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Nov 9 15:48 2021 Quant Results File: DOC1028.RES

Method : G:\APOLLO\DATA\211028\DOC1028.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Nov 18 13:26:01 2021
Response via : Multiple Level Calibration

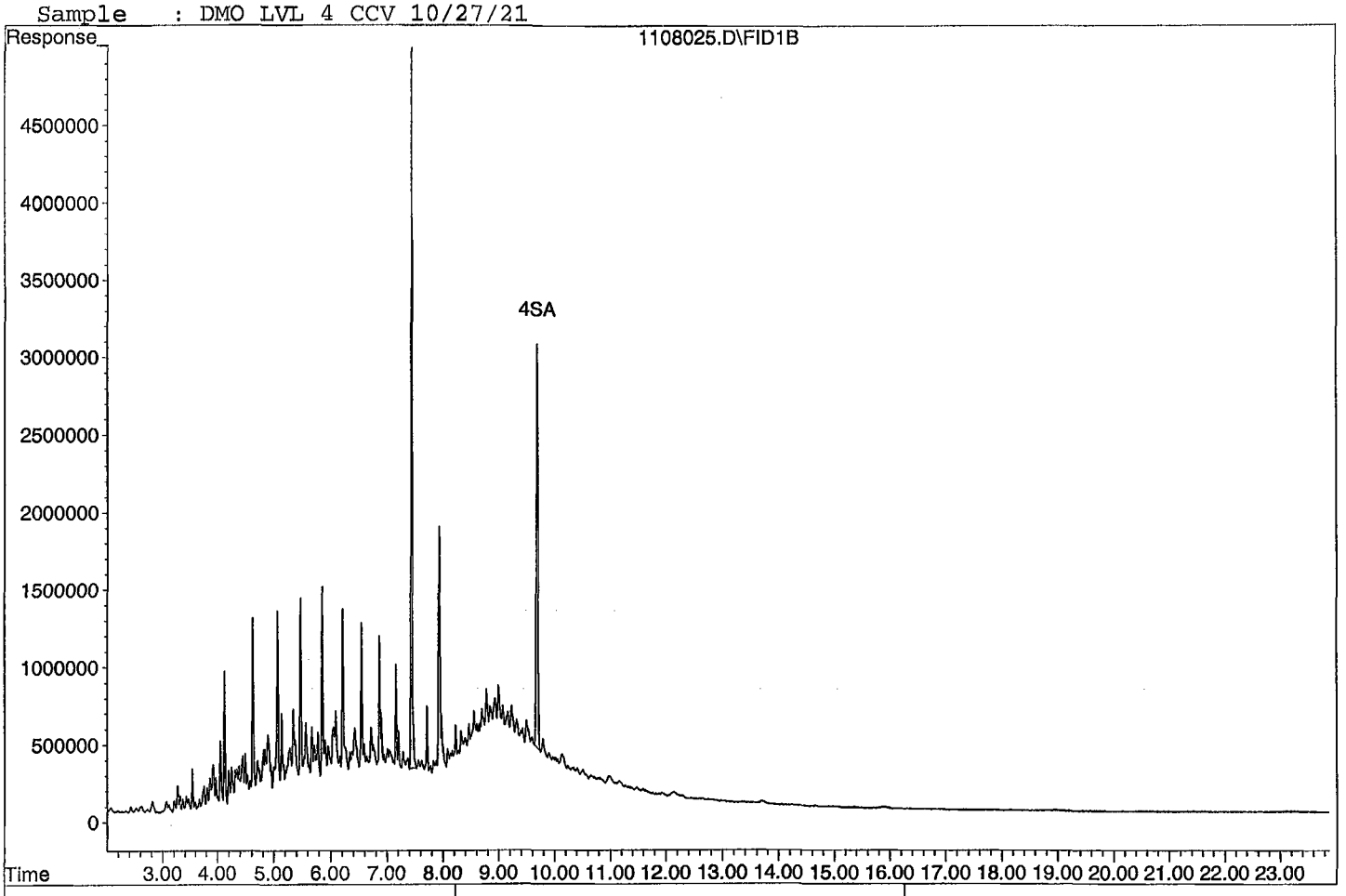
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

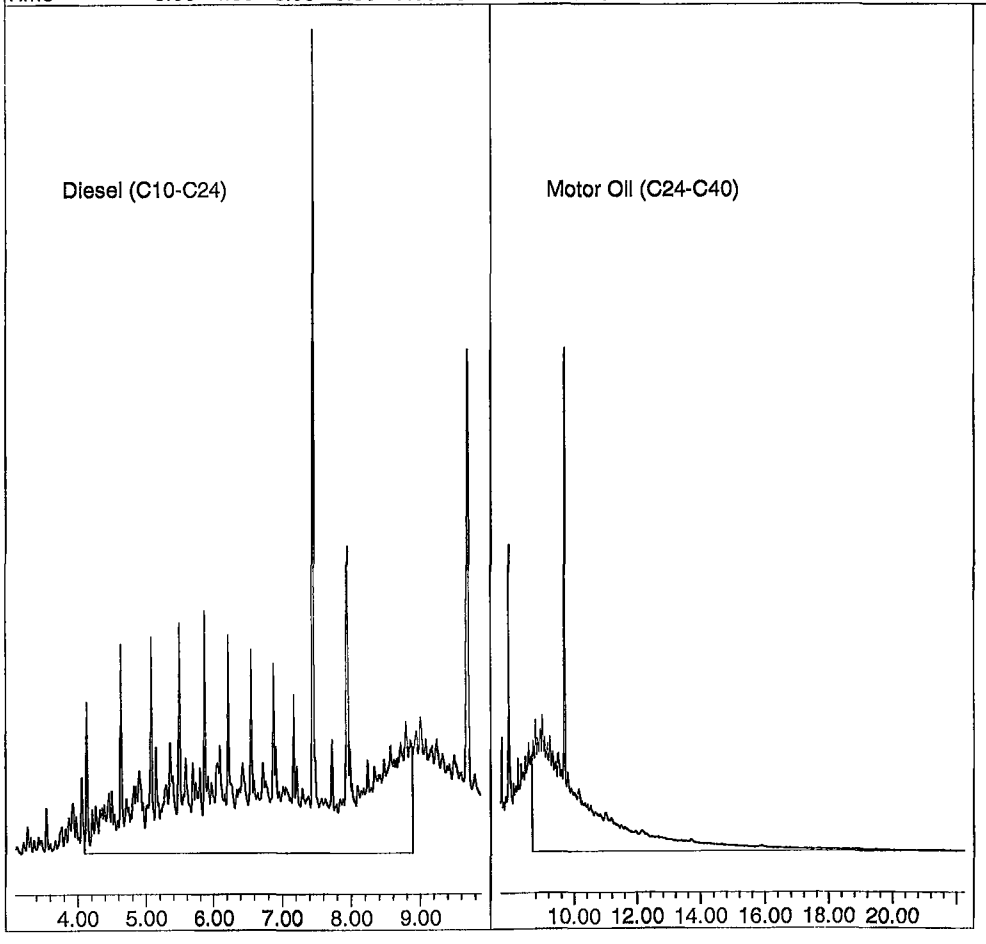
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.44	71276854	11.395 ppb
Surrogate Spike 30.000	Recovery =		37.98%
4) SA Octacosane(S)	9.69	52156226	11.532 ppb
Surrogate Spike 30.000	Recovery =		38.44%
Target Compounds			
1) HATM Diesel (C10-C24)	6.49	1153484178	229.169 ppb
2) HBTM Motor Oil (C24-C40)	14.96	839950620	237.563 ppb
Target Compounds			

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data File: G:\APOLLO\DATA\211108\1108025.D
Sample : DMO LVL 4 CCV 10/27/21





TPH Extractables
DEC0911

Form 7

Continuing Calibration

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

SDG No:
Date Analyzed: 11/8/2021
Instrument: Apollo
Initial Cal. Date: 9/11/2021
Data File: 1108026.D

		Compound	MEAN	CCRF	%D	%Drift	
1	SC	Decanoic Acid(S)	1283070	1320790	2.9	SC	
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
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31							
32							
33							
34							
35							
36							
37							
38							
39							
40							
		Average			2.9		

Quantitation Report (Not Reviewed)

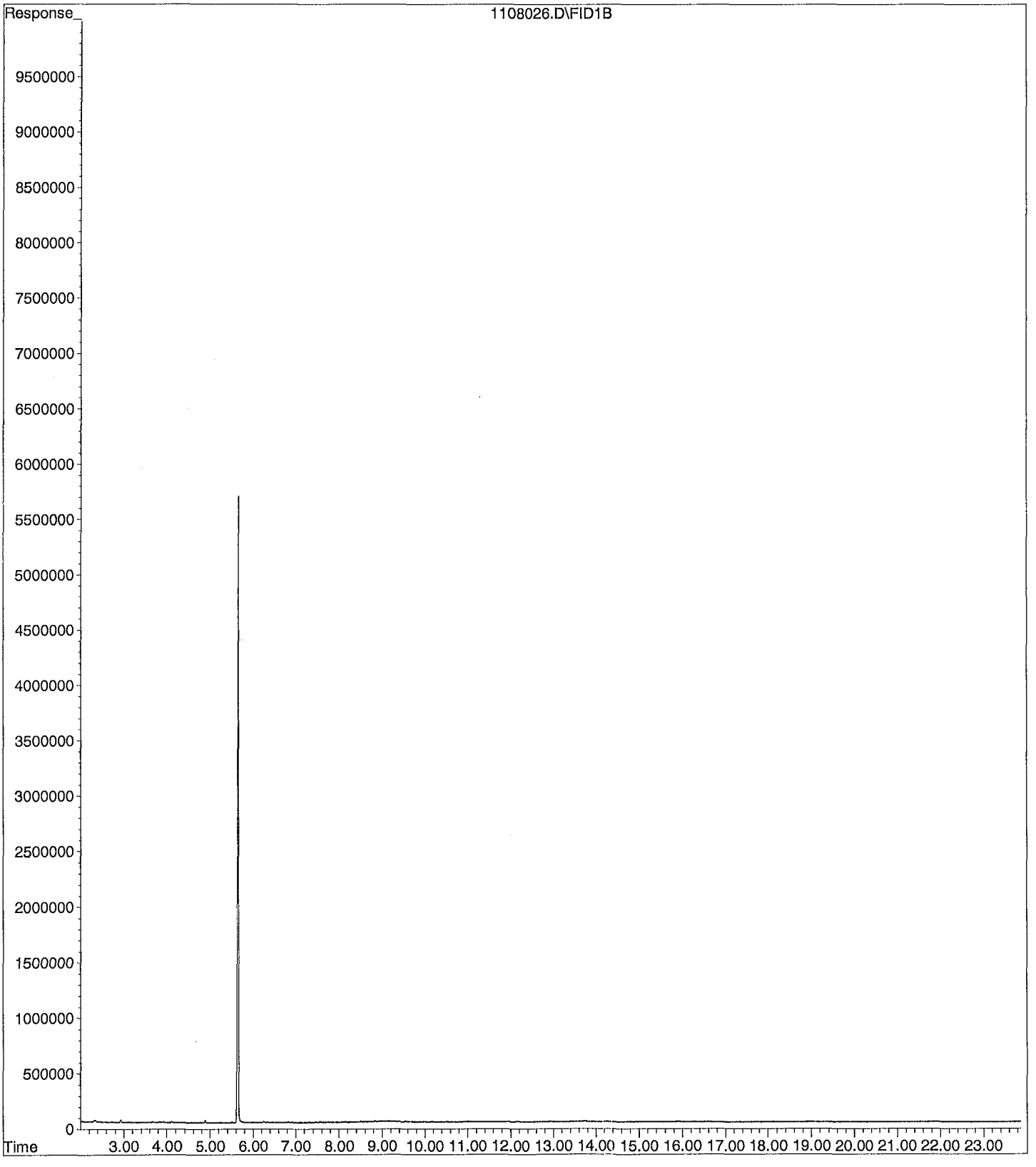
Data File : G:\APOLLO\DATA\211108\1108026.D Vial: 26
Acq On : 11-8-21 21:24:36 Operator: KA
Sample : Decanoic Acid CCV 11/5/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Nov 9 15:49 2021 Quant Results File: DEC0911.RES

Method : G:\APOLLO\DATA\210911\DEC0911.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Fri Nov 05 10:50:06 2021
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)	5.65	95096555	37.058 ppb
Surrogate Spike 24.000	Recovery =		154.41%
Target Compounds			
Target Compounds			

File : G:\APOLLO\DATA\211108\1108026.D
Operator : KA
Acquired : 11-8-21 21:24:36 using AcqMethod TPHSN.M
Instrument : Apollo
Sample Name: Decanoic Acid CCV 11/5/21
Misc Info : water
Vial Number: 26



ORGANICS
Raw Data

Quantitation Report (QT Reviewed)

Data File : G:\APOLLO\DATA\211030\1030023.D Vial: 23
Acq On : 10-30-21 21:42:52 Operator: KA
Sample : BA44048W10 5/1060 SG Inst : Apollo
Misc : water Multiplr: 4.72
IntFile : events.e
Quant Time: Nov 1 12:53 2021 Quant Results File: DOC1028.RES

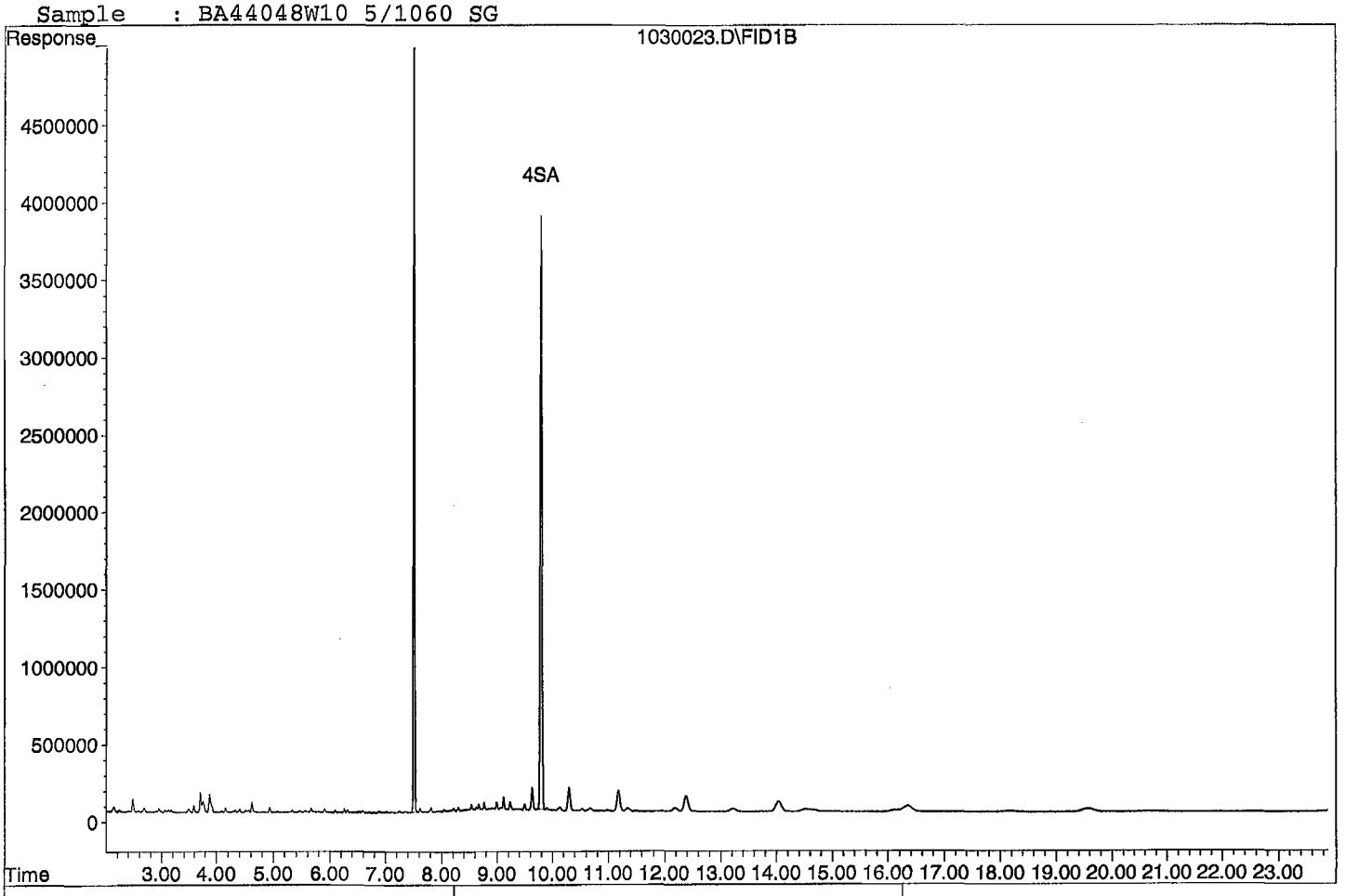
Method : G:\APOLLO\DATA\211028\DOC1028.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Nov 18 13:26:01 2021
Response via : Multiple Level Calibration

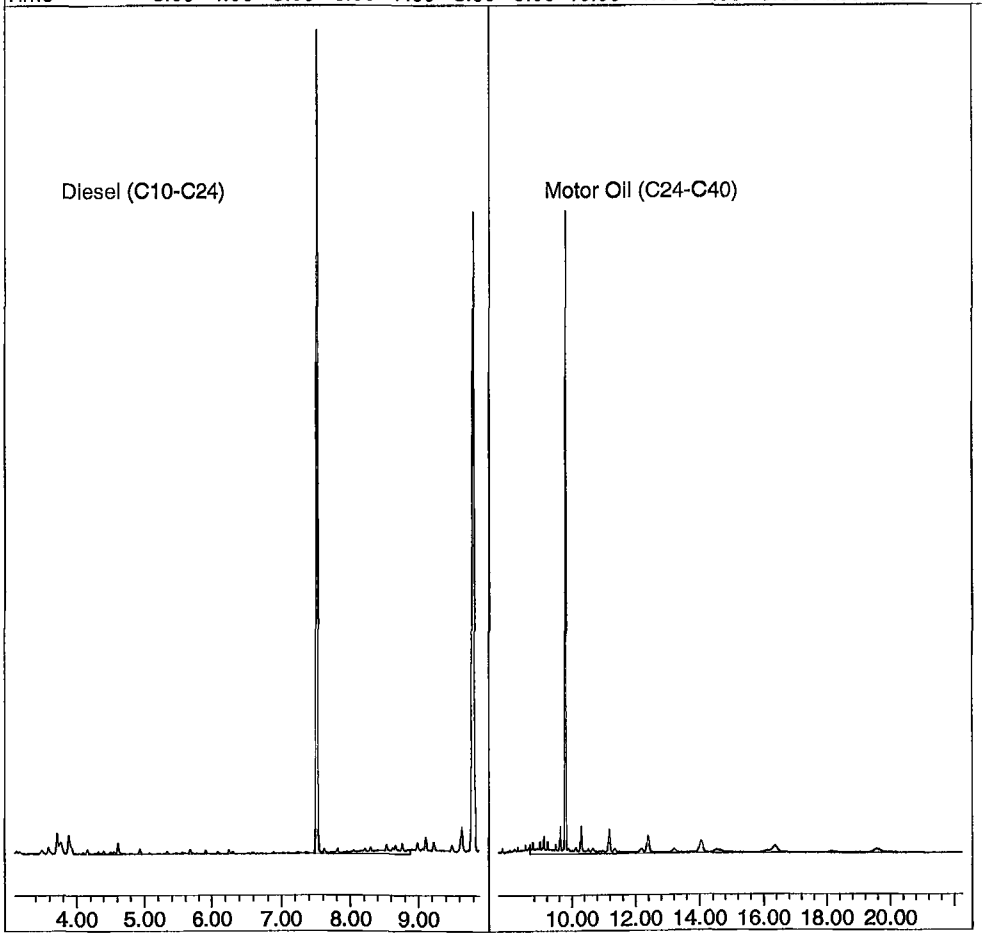
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.51	88874123	67.021 ppb
Surrogate Spike 141.509		Recovery =	47.36%
4) SA Octacosane(S)	9.79	79856906	83.284 ppb
Surrogate Spike 141.509		Recovery =	58.85%
Target Compounds			
1) HATM Diesel (C10-C24)	6.49	28797241	26.987 ppb
2) HBTM Motor Oil (C24-C40)	14.96	108987567	104.045 ppb
Target Compounds			

(f)=RT Delta > 1/2 Window (m)=manual int.
1030023.D DOC1028.M Wed Nov 24 08:25:31 2021 Page 1

Data File: G:\APOLLO\DATA\211030\1030023.D
Sample : BA44048W10 5/1060 SG





Quantitation Report (QT Reviewed)

Data File : G:\APOLLO\DATA\211108\1108022.D Vial: 22
Acq On : 11-8-21 19:32:15 Operator: KA
Sample : BA44048W09 5/950 SG Inst : Apollo
Misc : water Multiplr: 5.26
IntFile : events.e
Quant Time: Nov 10 17:38 2021 Quant Results File: DOC1028.RES

Method : G:\APOLLO\DATA\211028\DOC1028.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Nov 18 13:26:01 2021
Response via : Multiple Level Calibration

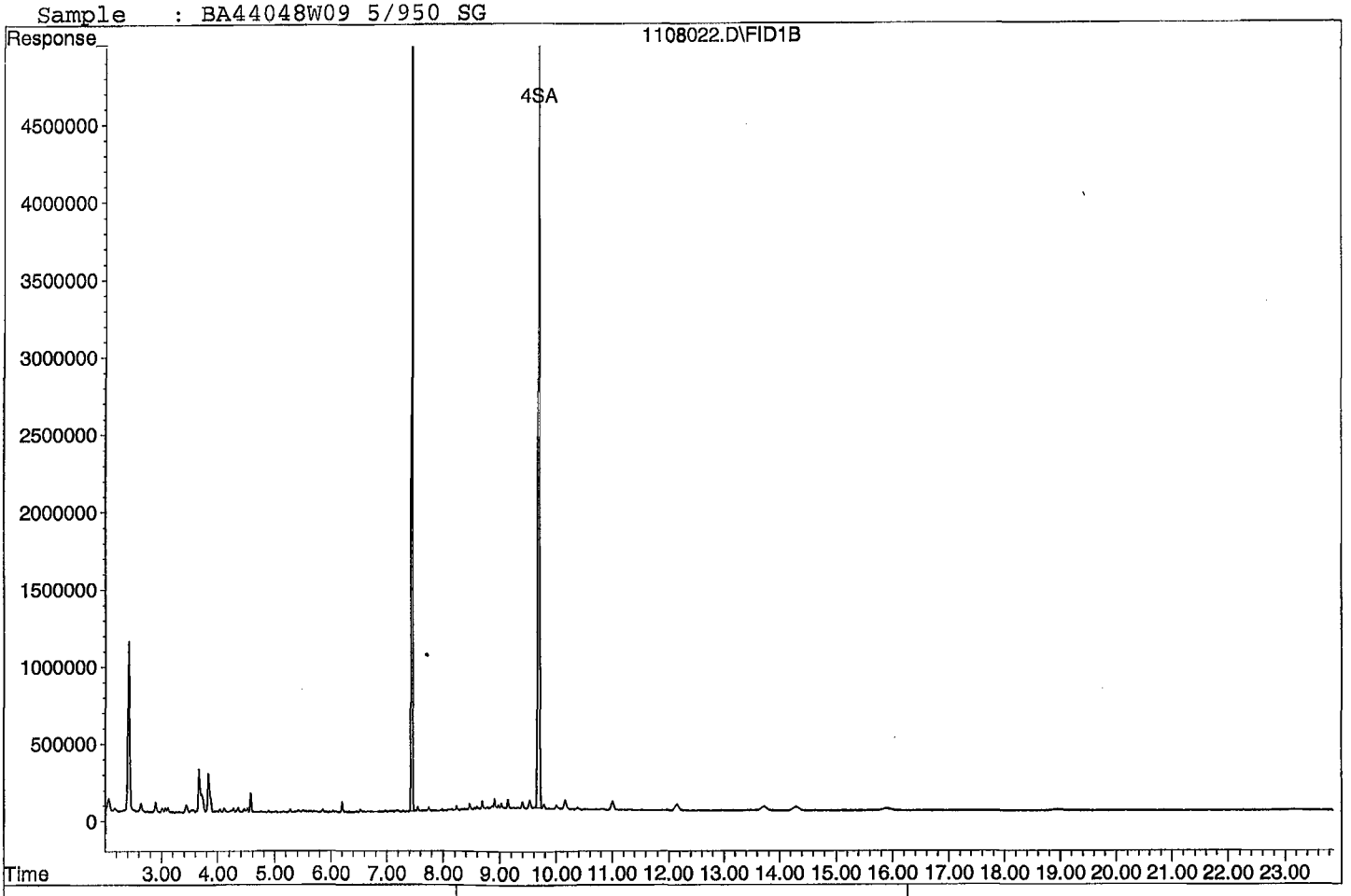
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

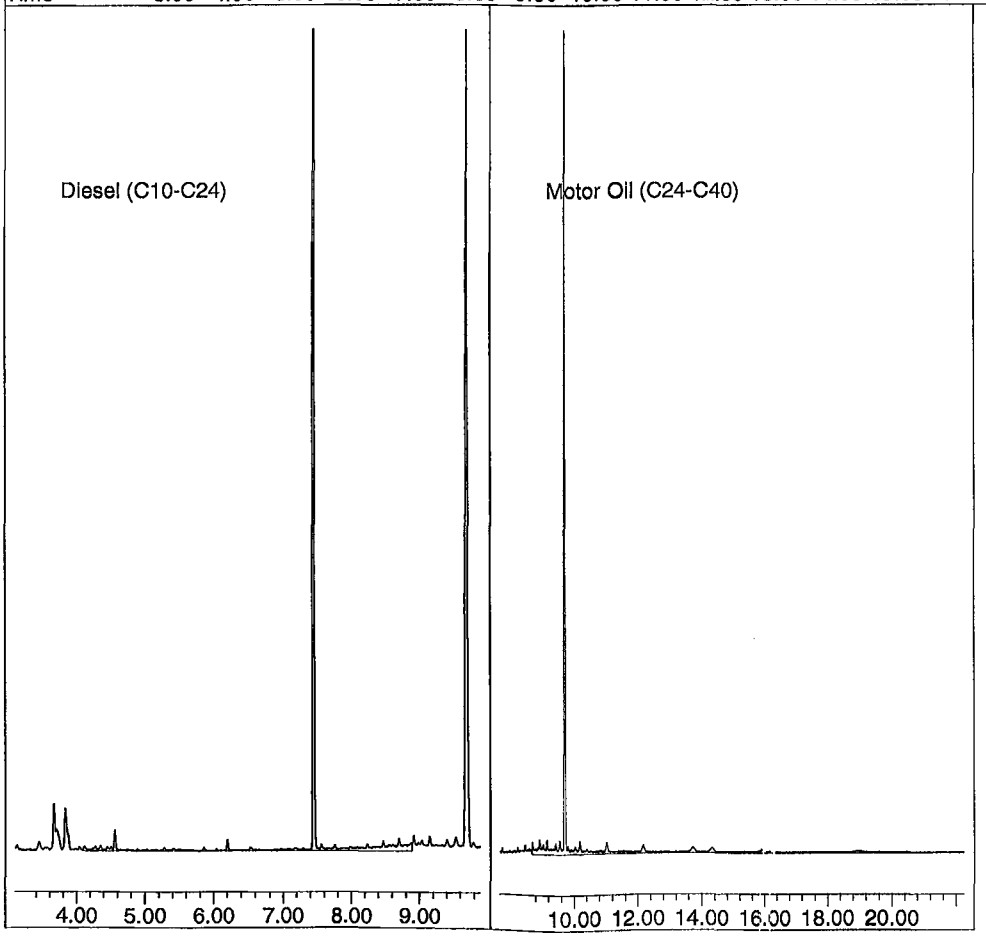
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.44	108750233	91.506 ppb
Surrogate Spike 157.895		Recovery =	57.95%
4) SA Octacosane(S)	9.69	98352235	114.451 ppb
Surrogate Spike 157.895		Recovery =	72.49%
Target Compounds			
1) HATM Diesel (C10-C24)	6.49	39988671	41.815 ppb
2) HBTM Motor Oil (C24-C40)	14.96	93652756	92.298 ppb

Target Compounds

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

Data File: G:\APOLLO\DATA\211108\1108022.D
Sample : BA44048W09 5/950 SG





Quantitation Report (QT Reviewed)

Data File : G:\APOLLO\DATA\211030\1030024.D Vial: 24
Acq On : 10-30-21 22:11:07 Operator: KA
Sample : BA44050W09 5/1000 SG Inst : Apollo
Misc : water Multiplr: 5.00
IntFile : events.e
Quant Time: Nov 1 12:53 2021 Quant Results File: DOC1028.RES

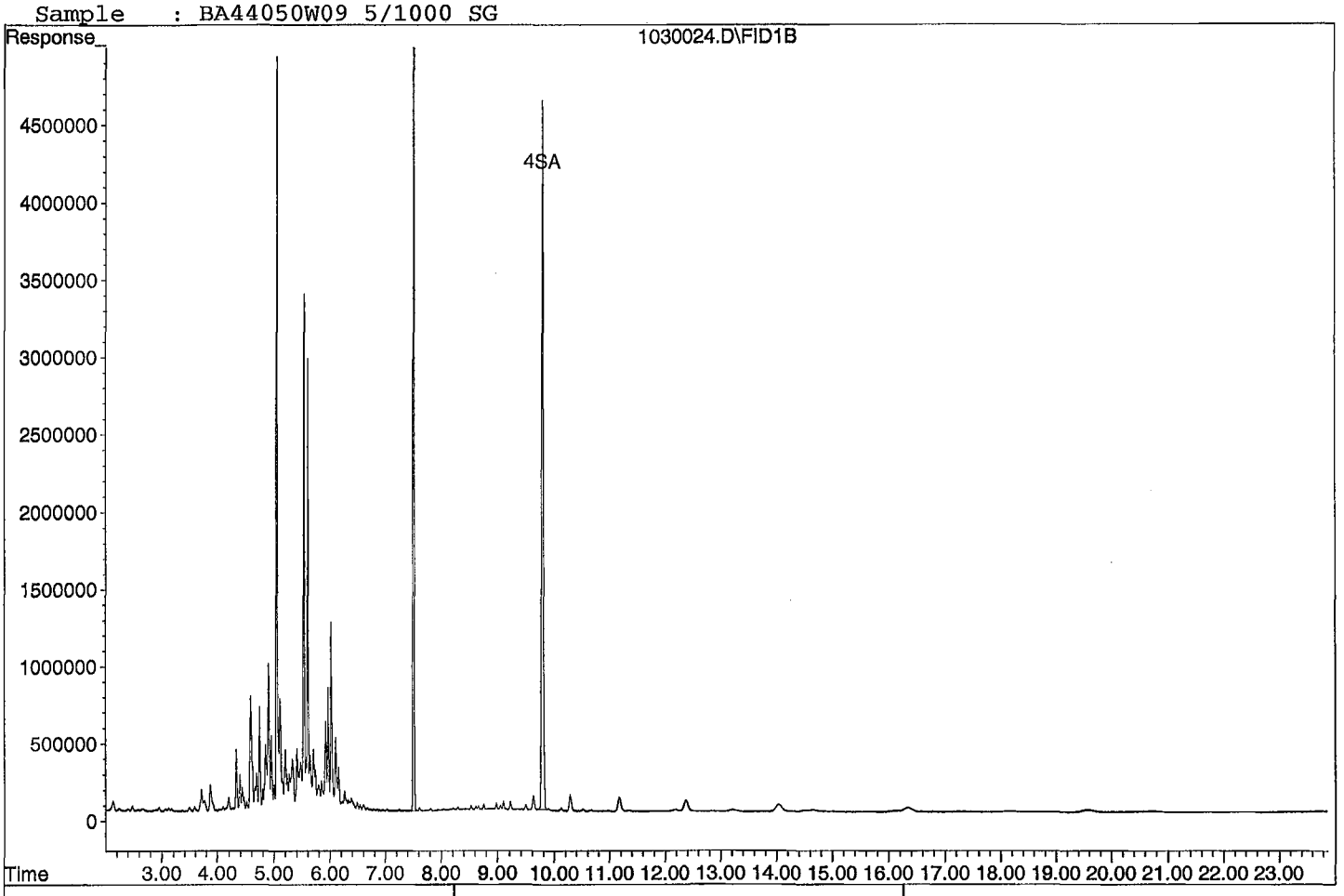
Method : G:\APOLLO\DATA\211028\DOC1028.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Nov 18 13:26:01 2021
Response via : Multiple Level Calibration

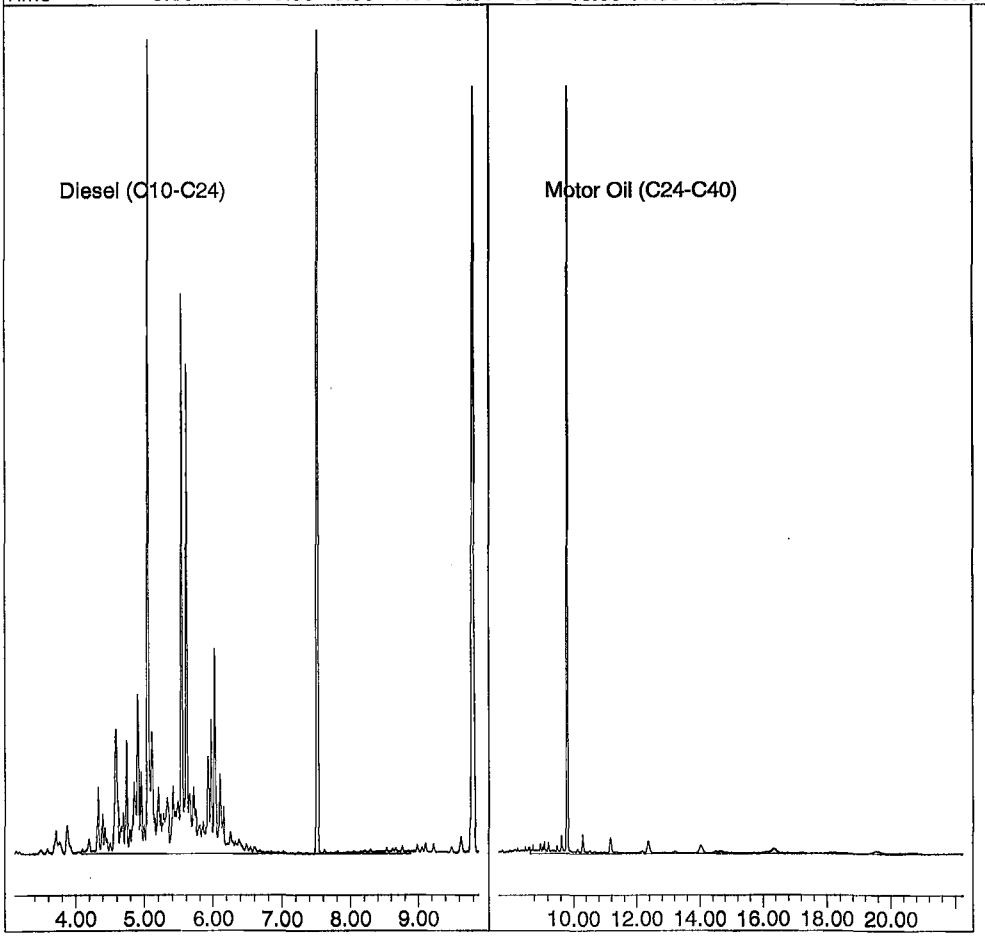
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.51	107720390	86.107 ppb
Surrogate Spike 150.000		Recovery =	57.40%
4) SA Octacosane(S)	9.79	97123732	107.370 ppb
Surrogate Spike 150.000		Recovery =	71.58%
Target Compounds			
1) HATM Diesel (C10-C24)	6.49	433430119	430.559 ppb
2) HBTM Motor Oil (C24-C40)	14.96	75811898	61.383 ppb
Target Compounds			

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

Data File: G:\APOLLO\DATA\211030\1030024.D
Sample : BA44050W09 5/1000 SG





Quantitation Report (QT Reviewed)

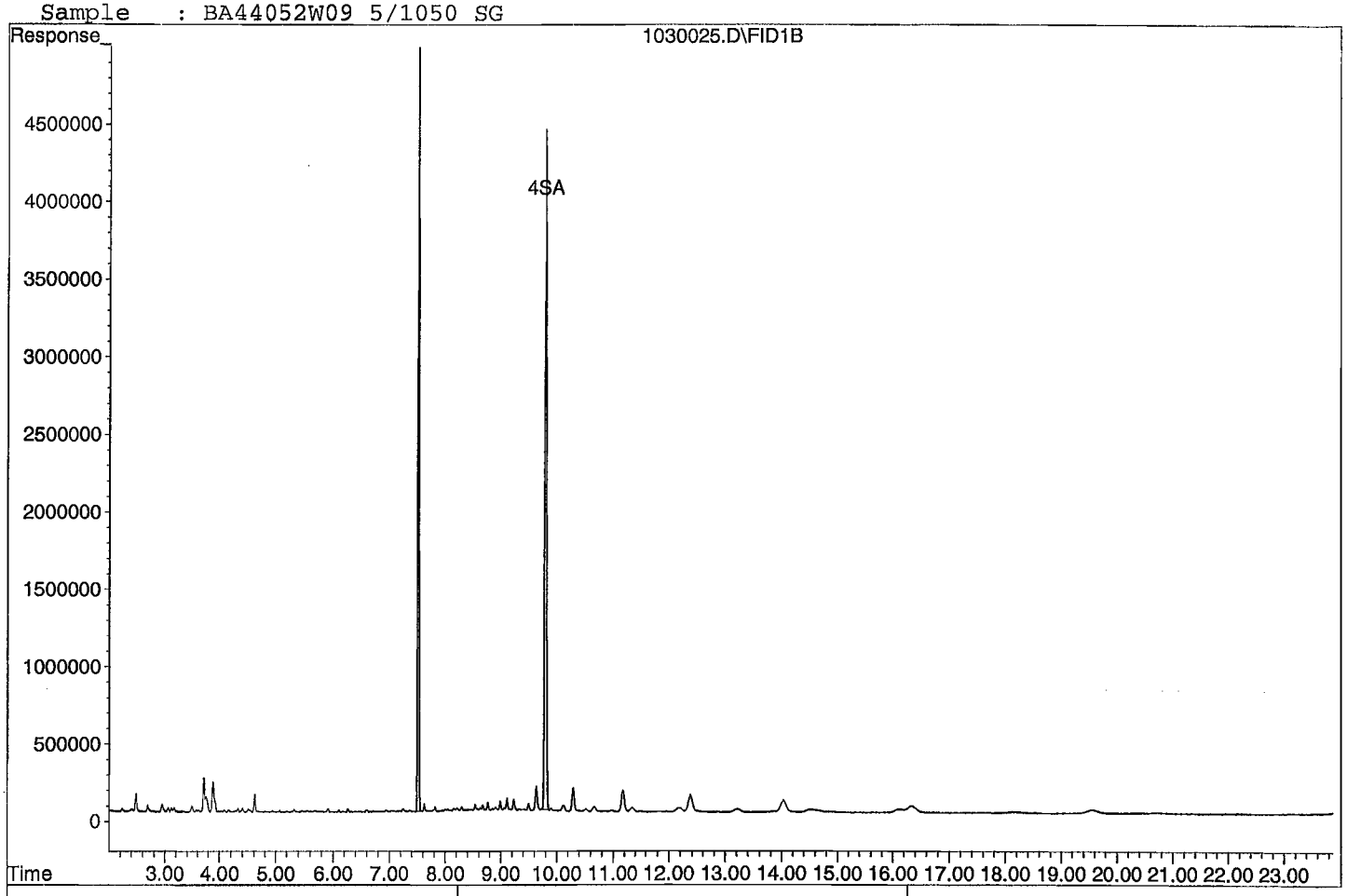
Data File : G:\APOLLO\DATA\211030\1030025.D Vial: 25
Acq On : 10-30-21 22:39:21 Operator: KA
Sample : BA44052W09 5/1050 SG Inst : Apollo
Misc : water Multiplr: 4.76
IntFile : events.e
Quant Time: Nov 1 12:53 2021 Quant Results File: DOC1028.RES

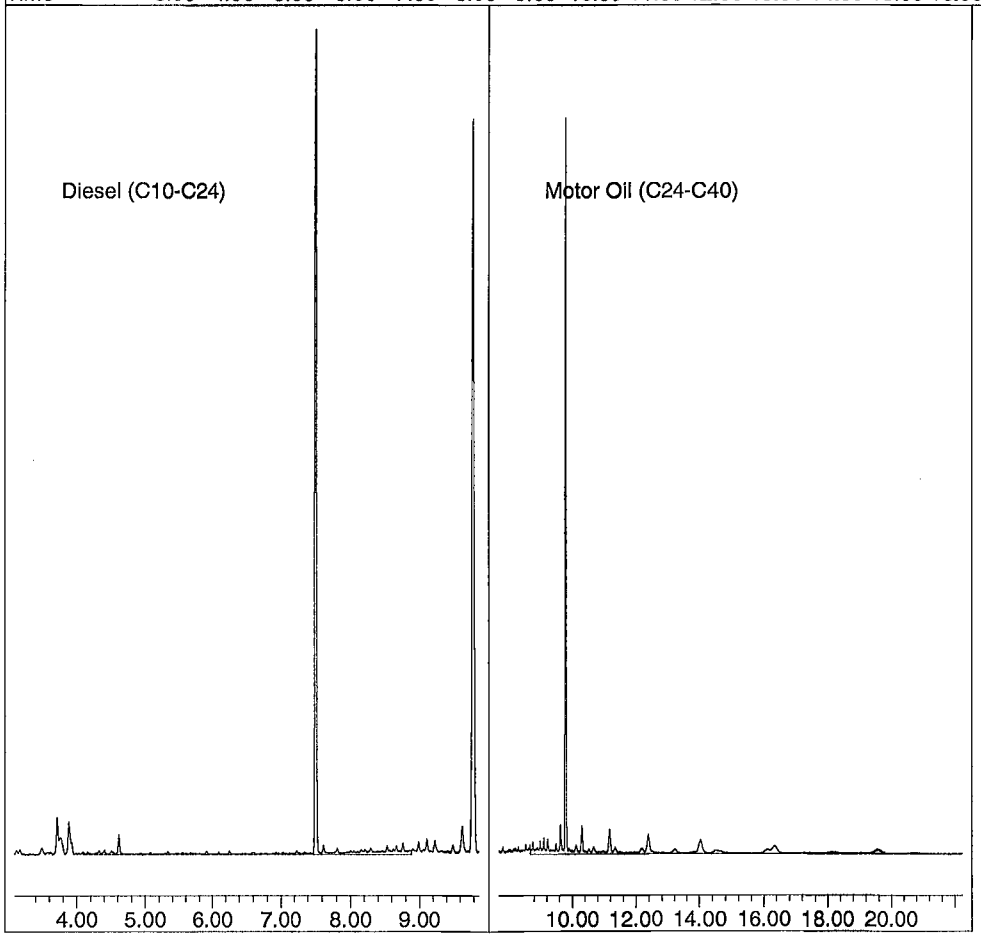
Method : G:\APOLLO\DATA\211028\DOC1028.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Nov 18 13:26:01 2021
Response via : Multiple Level Calibration

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

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.51	101687117	77.414 ppb
Surrogate Spike 142.857		Recovery =	54.19%
4) SA Octacosane(S)	9.79	92011237	96.874 ppb
Surrogate Spike 142.857		Recovery =	67.81%
Target Compounds			
1) HATM Diesel (C10-C24)	6.49	30549634	28.902 ppb
2) HBTM Motor Oil (C24-C40)	14.96	112326595	109.724 ppb
Target Compounds			

Data File: G:\APOLLO\DATA\211030\1030025.D
Sample : BA44052W09 5/1050 SG





Quantitation Report (QT Reviewed)

Data File : G:\APOLLO\DATA\211108\1108023.D Vial: 23
Acq On : 11-8-21 20:00:21 Operator: KA
Sample : BA44052W10 5/1000 SG Inst : Apollo
Misc : water Multiplr: 5.00
IntFile : events.e
Quant Time: Nov 10 17:39 2021 Quant Results File: DOC1028.RES

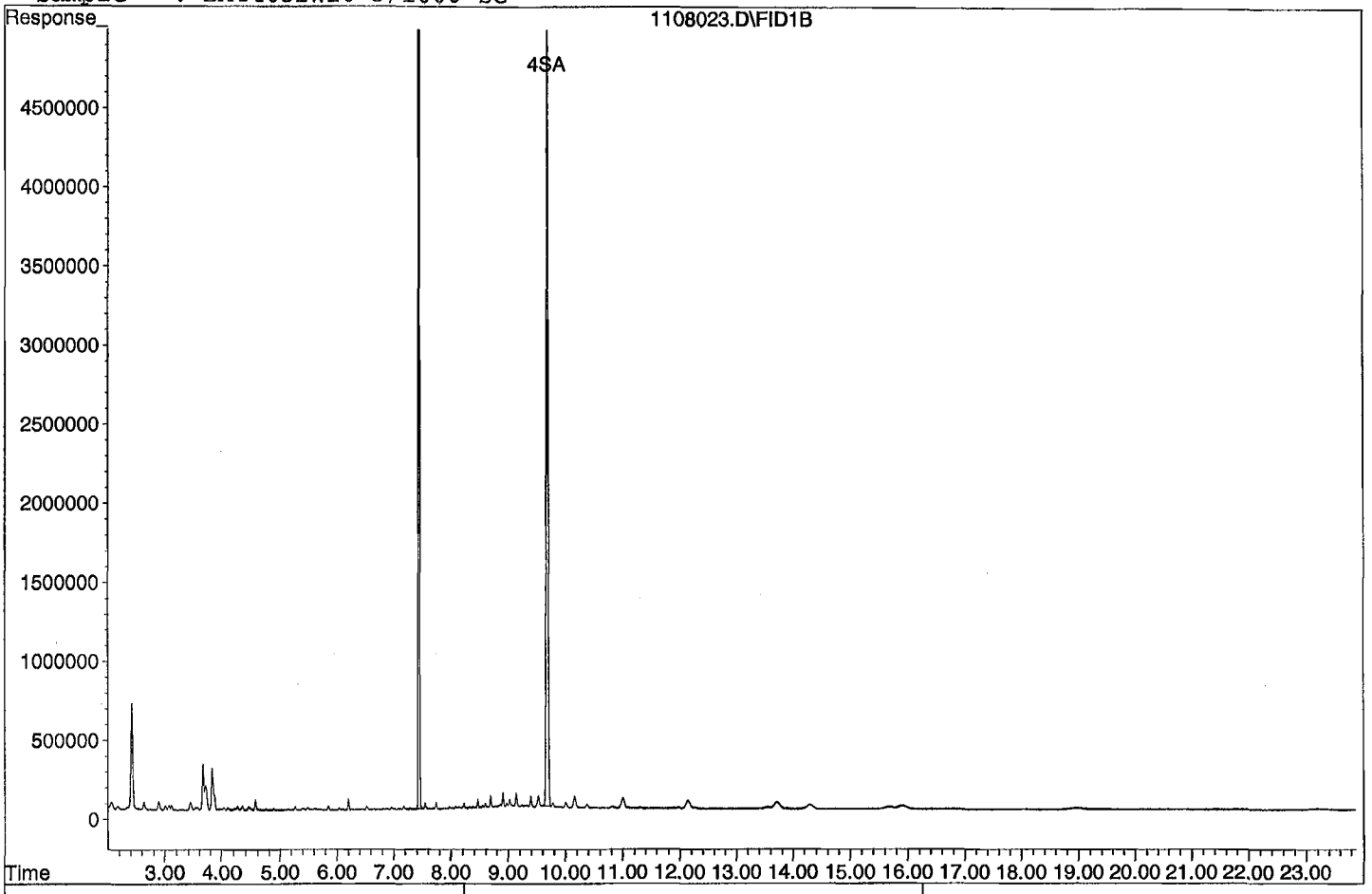
Method : G:\APOLLO\DATA\211028\DOC1028.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Nov 18 13:26:01 2021
Response via : Multiple Level Calibration

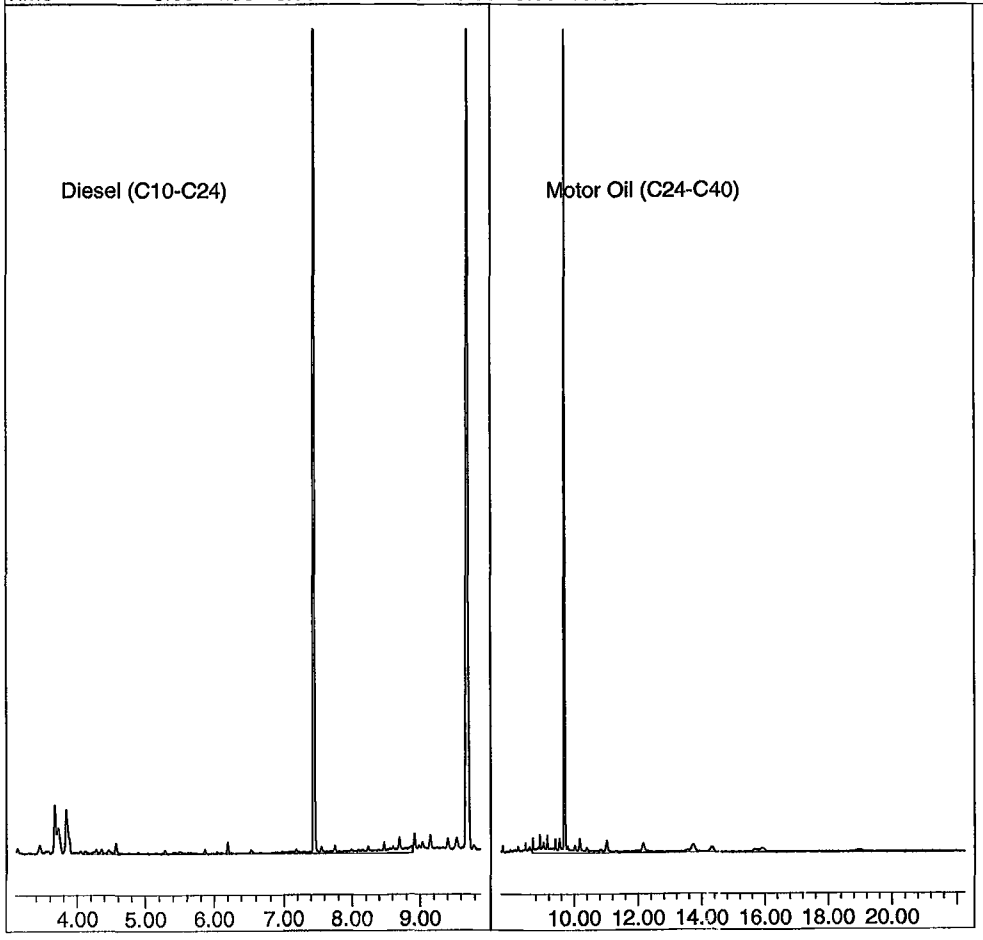
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.44	115043259	91.961 ppb
Surrogate Spike 150.000		Recovery =	61.31%
4) SA Octacosane(S)	9.69	105294697	116.403 ppb
Surrogate Spike 150.000		Recovery =	77.60%
Target Compounds			
1) HATM Diesel (C10-C24)	6.49	36111163	35.872 ppb
2) HBTM Motor Oil (C24-C40)	14.96	86697499	77.430 ppb
Target Compounds			

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

Data File: G:\APOLLO\DATA\211108\1108023.D
Sample : BA44052W10 5/1000 SG





Quantitation Report (QT Reviewed)

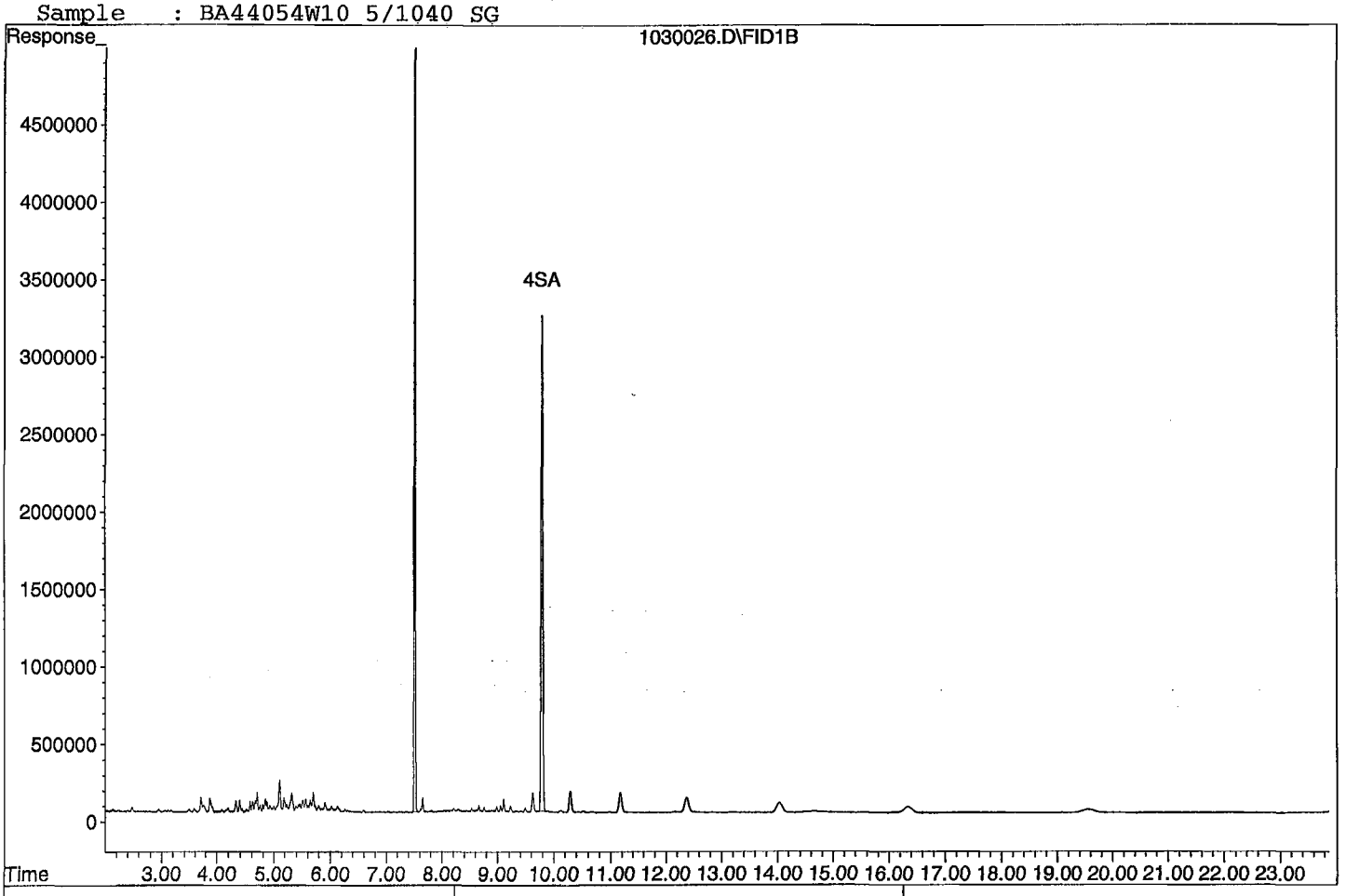
Data File : G:\APOLLO\DATA\211030\1030026.D Vial: 26
Acq On : 10-30-21 23:07:33 Operator: KA
Sample : BA44054W10 5/1040 SG Inst : Apollo
Misc : water Multiplr: 4.81
IntFile : events.e
Quant Time: Nov 1 12:53 2021 Quant Results File: DOC1028.RES

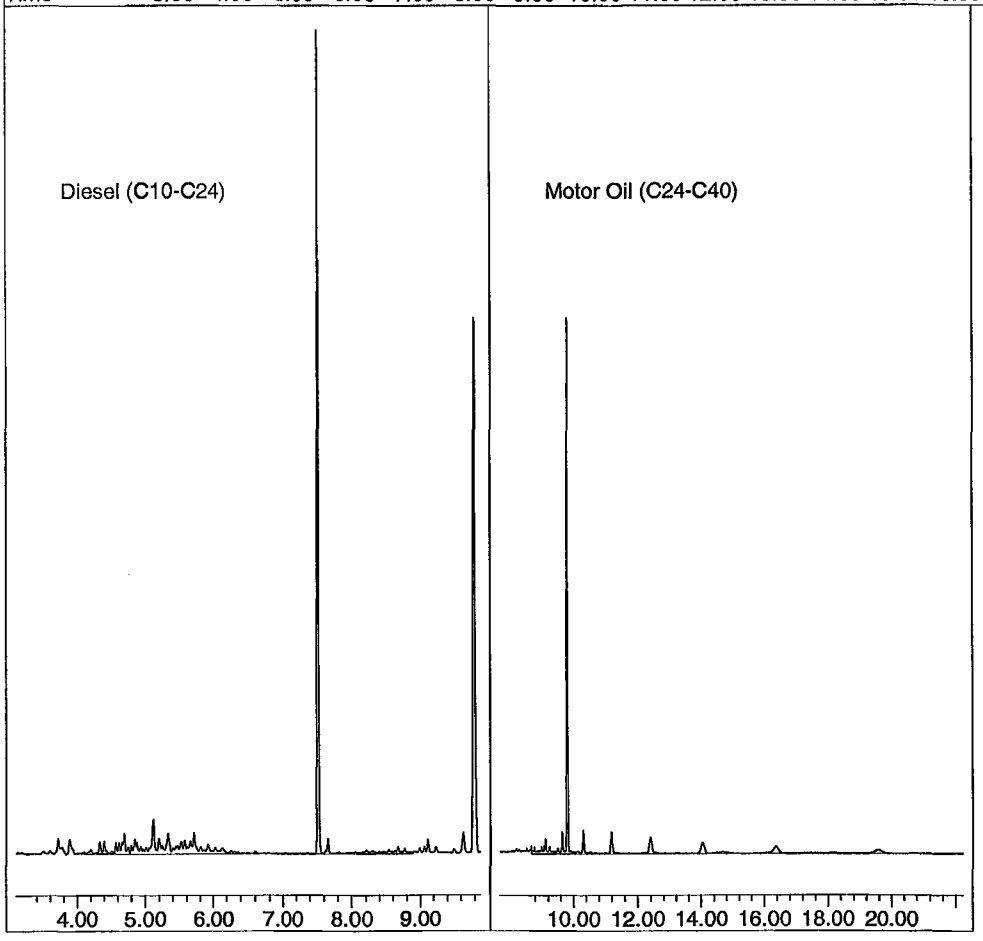
Method : G:\APOLLO\DATA\211028\DOC1028.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Nov 18 13:26:01 2021
Response via : Multiple Level Calibration

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

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.51	72601348	55.802 ppb
Surrogate Spike 144.231		Recovery =	38.69%
4) SA Octacosane(S)	9.79	66134389	70.299 ppb
Surrogate Spike 144.231		Recovery =	48.74%
Target Compounds			
1) HATM Diesel (C10-C24)	6.49	63484127	60.638 ppb
2) HBTM Motor Oil (C24-C40)	14.96	74165316	56.688 ppb
Target Compounds			

Data File: G:\APOLLO\DATA\211030\1030026.D
Sample : BA44054W10 5/1040 SG





Quantitation Report (QT Reviewed)

Data File : G:\APOLLO\DATA\211108\1108024.D Vial: 24
Acq On : 11-8-21 20:28:28 Operator: KA
Sample : BA44054W09 5/1000 SG Inst : Apollo
Misc : water Multiplr: 5.00
IntFile : events.e
Quant Time: Nov 10 17:40 2021 Quant Results File: DOC1028.RES

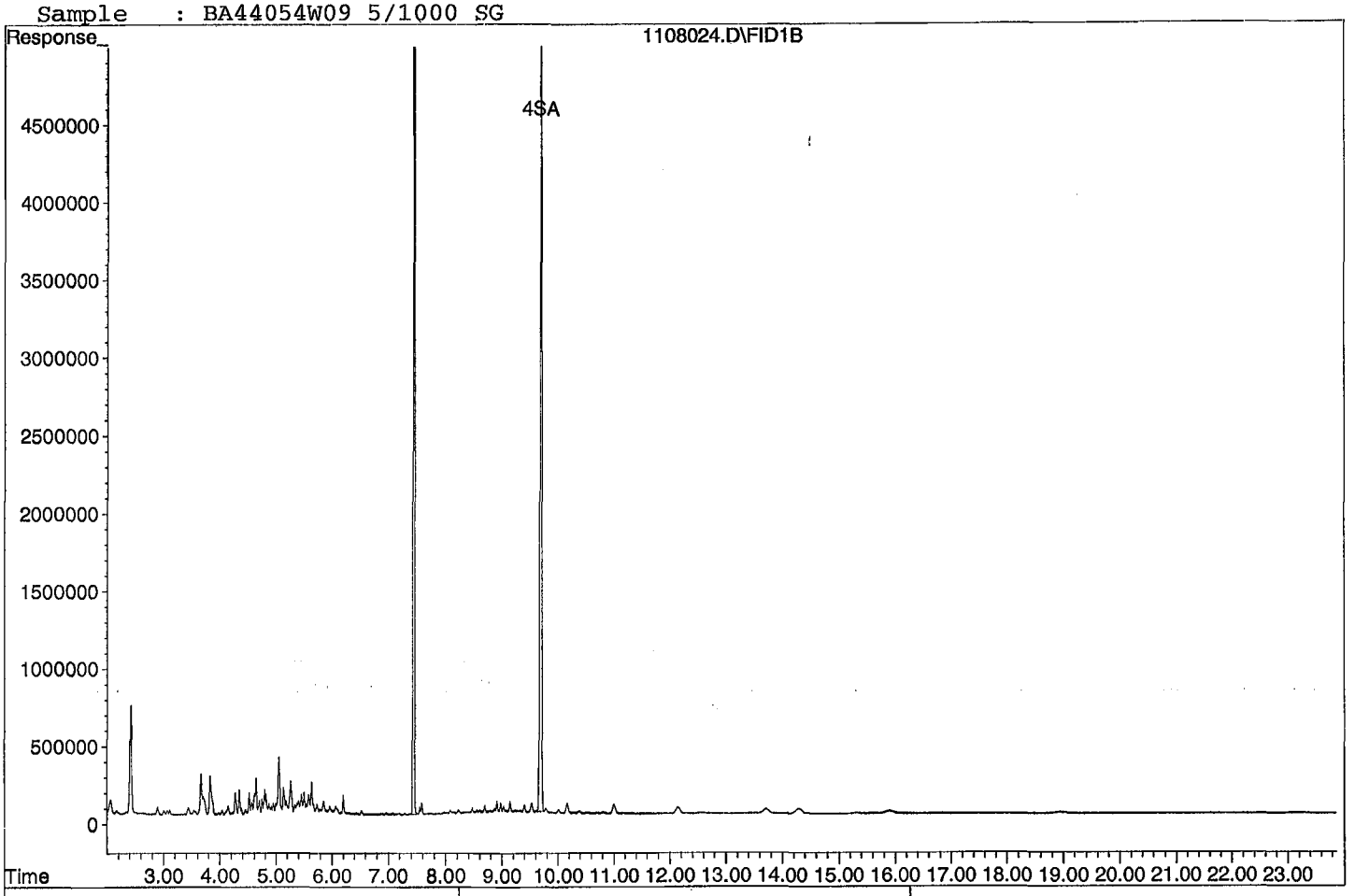
Method : G:\APOLLO\DATA\211028\DOC1028.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Nov 18 13:26:01 2021
Response via : Multiple Level Calibration

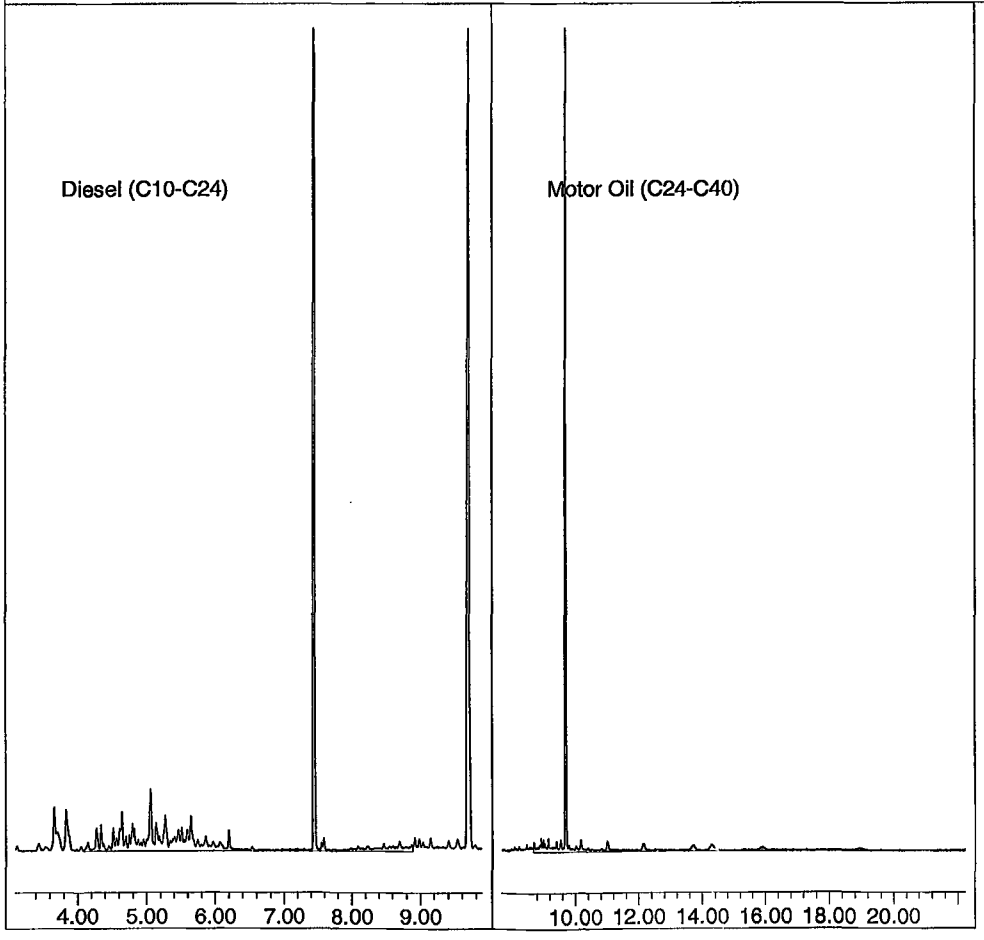
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.44	111060796	88.777 ppb
Surrogate Spike 150.000		Recovery =	59.18%
4) SA Octacosane(S)	9.69	100886968	111.530 ppb
Surrogate Spike 150.000		Recovery =	74.35%
Target Compounds			
1) HATM Diesel (C10-C24)	6.49	106382085	105.677 ppb
2) HBTM Motor Oil (C24-C40)	14.96	80520179	68.324 ppb
Target Compounds			

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

Data File: G:\APOLLO\DATA\211108\1108024.D
Sample : BA44054W09 5/1000 SG





Quantitation Report (QT Reviewed)

Data File : G:\APOLLO\DATA\211030\1030020.D Vial: 20
Acq On : 10-30-21 20:18:08 Operator: KA
Sample : 211026A BLK 5/1000 SG Inst : Apollo
Misc : water Multiplr: 5.00
IntFile : events.e
Quant Time: Nov 1 12:53 2021 Quant Results File: DOC1028.RES

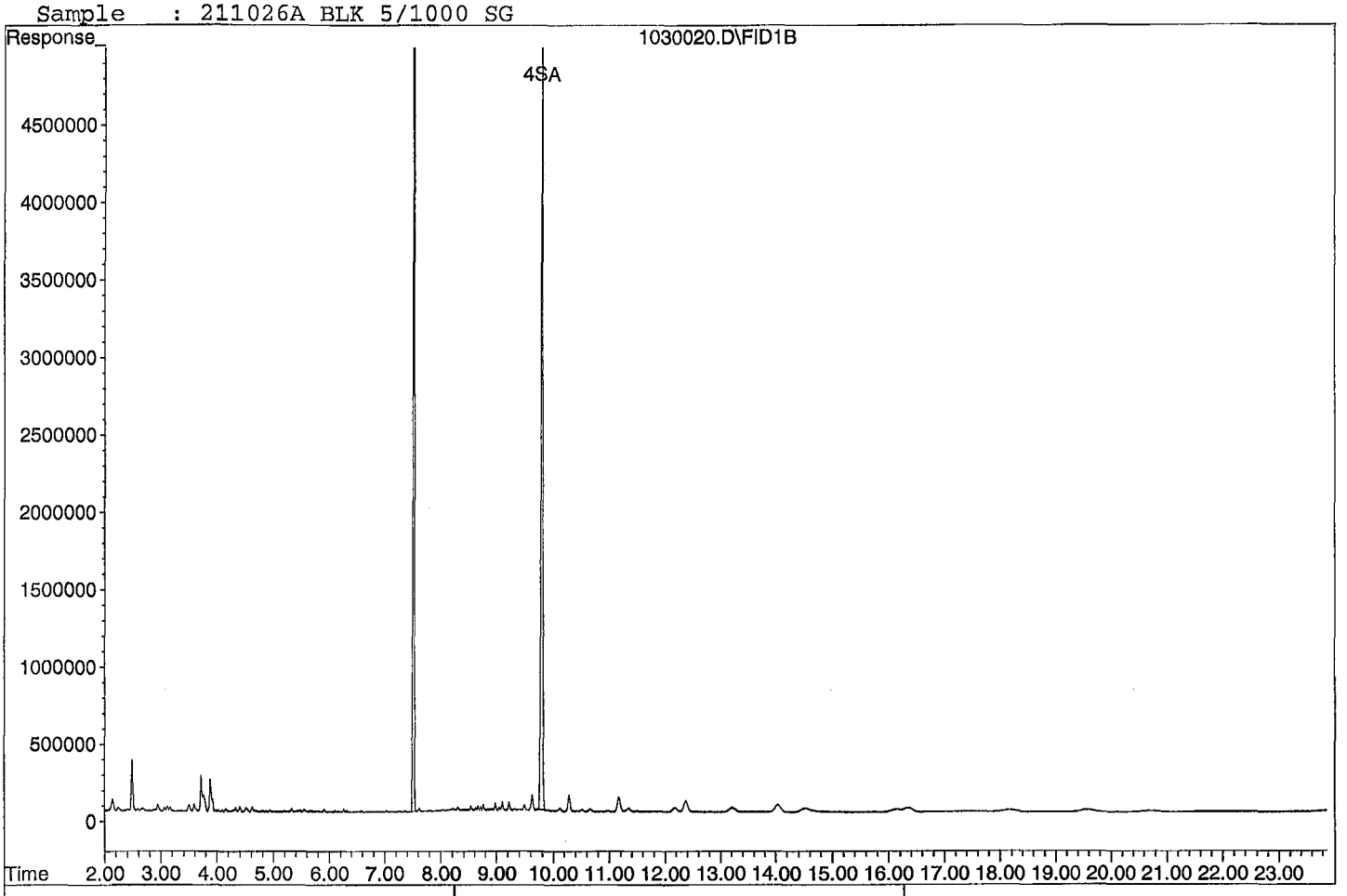
Method : G:\APOLLO\DATA\211028\DOC1028.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Nov 18 13:26:01 2021
Response via : Multiple Level Calibration

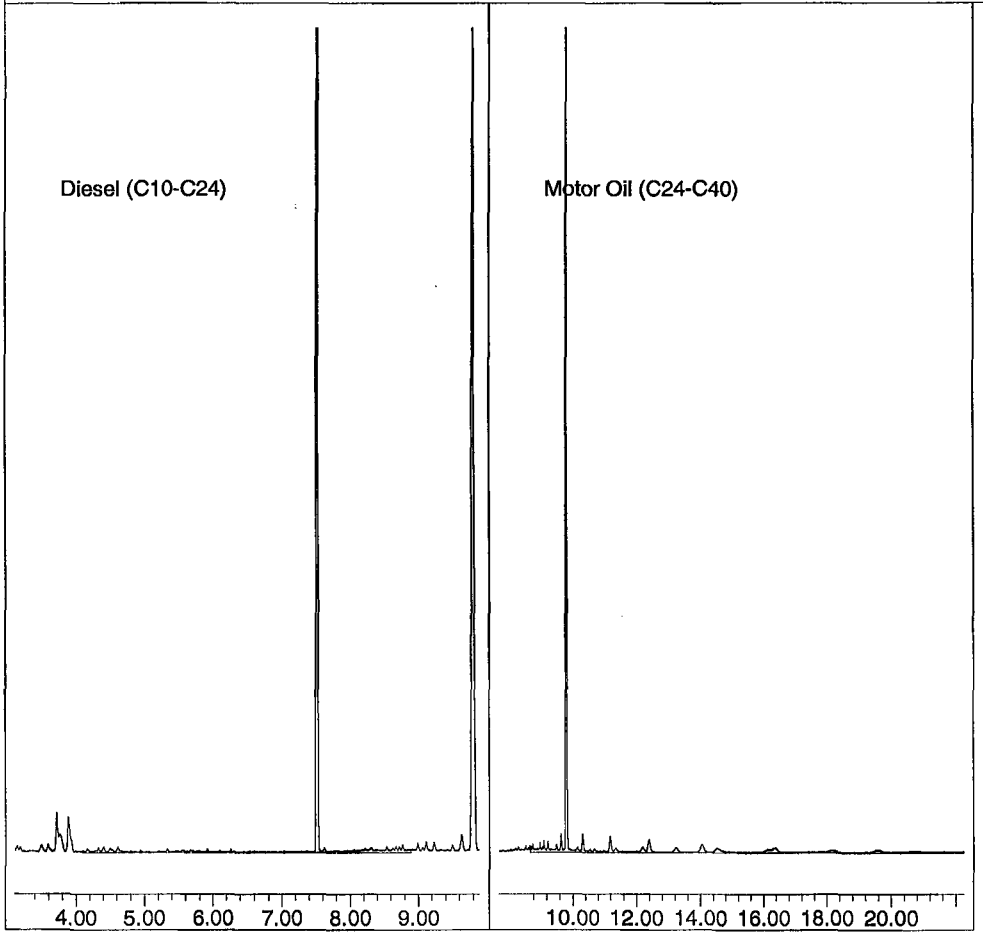
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.51	118561368	94.773 ppb
Surrogate Spike 150.000		Recovery =	63.18%
4) SA Octacosane(S)	9.79	107510942	118.853 ppb
Surrogate Spike 150.000		Recovery =	79.24%
Target Compounds			
1) HATM Diesel (C10-C24)	6.49	29342569	29.148 ppb
2) HBTM Motor Oil (C24-C40)	14.96	84893147	74.770 ppb
Target Compounds			

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

Data File: G:\APOLLO\DATA\211030\1030020.D
Sample : 211026A BLK 5/1000 SG





Quantitation Report (QT Reviewed)

Data File : G:\APOLLO\DATA\211108\1108019.D Vial: 19
Acq On : 11-8-21 18:07:50 Operator: KA
Sample : 211103A BLK 5/1000 SG Inst : Apollo
Misc : water Multiplr: 5.00
IntFile : events.e
Quant Time: Nov 10 17:36 2021 Quant Results File: DOC1028.RES

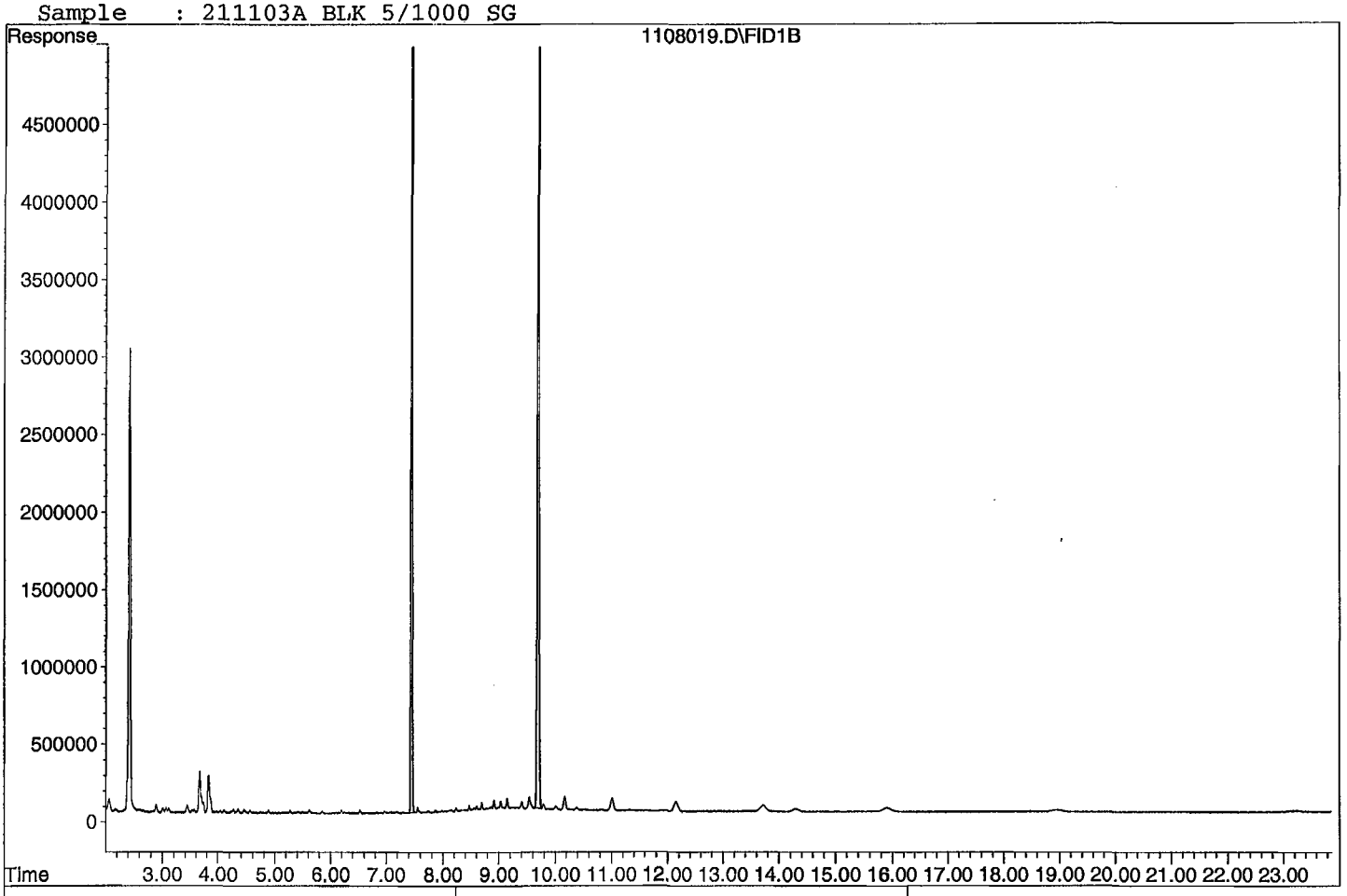
Method : G:\APOLLO\DATA\211028\DOC1028.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Nov 18 13:26:01 2021
Response via : Multiple Level Calibration

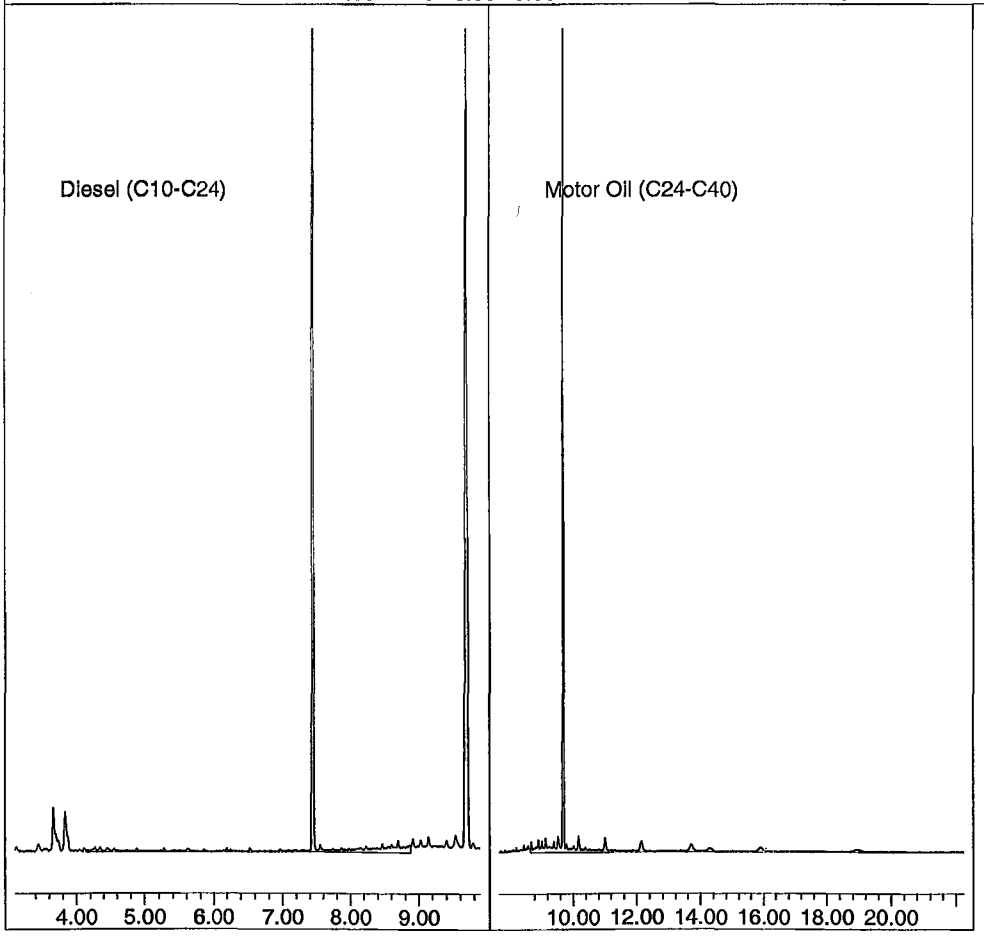
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.44	115071775	91.984 ppb
Surrogate Spike 150.000		Recovery =	61.32%
4) SA Octacosane(S)	9.69	105705032	116.857 ppb
Surrogate Spike 150.000		Recovery =	77.90%
Target Compounds			
1) HATM Diesel (C10-C24)	6.49	38043320	37.791 ppb
2) HBTM Motor Oil (C24-C40)	14.96	94042436	88.257 ppb
Target Compounds			

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

Data File: G:\APOLLO\DATA\211108\1108019.D
Sample : 211103A BLK 5/1000 SG





Quantitation Report (QT Reviewed)

Data File : G:\APOLLO\DATA\211030\1030021.D Vial: 21
Acq On : 10-30-21 20:46:23 Operator: KA
Sample : 211026A LCS-1 5/1000 SG Inst : Apollo
Misc : water Multiplr: 5.00
IntFile : events.e
Quant Time: Nov 1 12:53 2021 Quant Results File: DOC1028.RES

Method : G:\APOLLO\DATA\211028\DOC1028.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Nov 18 13:26:01 2021
Response via : Multiple Level Calibration

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

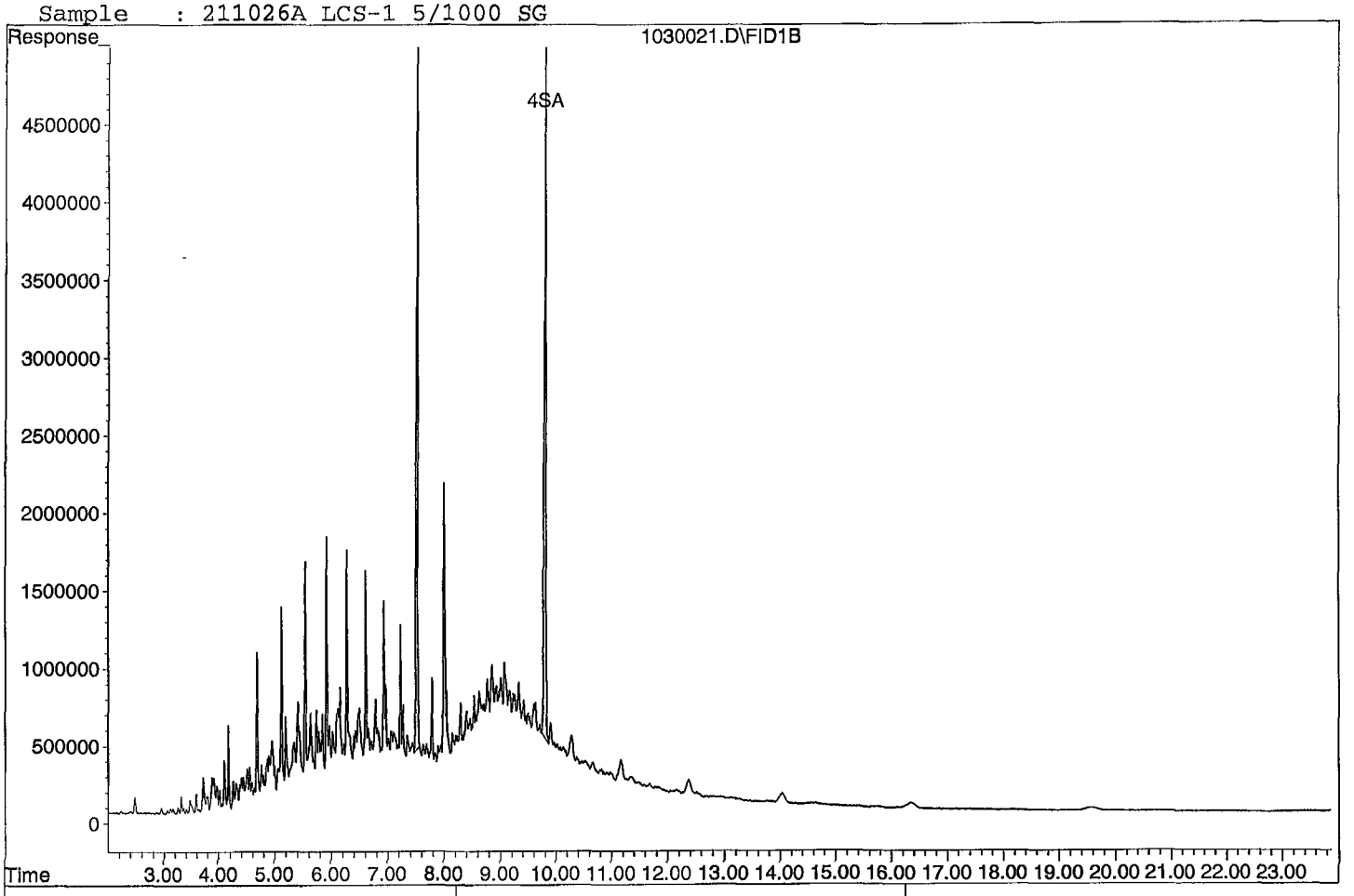
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.51	112891230	90.241 ppb
Surrogate Spike 150.000		Recovery =	60.16%
4) SA Octacosane(S)	9.80	93063813	102.882 ppb
Surrogate Spike 150.000		Recovery =	68.59%
Target Compounds			
1) HATM Diesel (C10-C24)	6.49	1351410169	1342.459 ppb
2) HBTM Motor Oil (C24-C40)	14.96	1074871374	1534.117 ppb

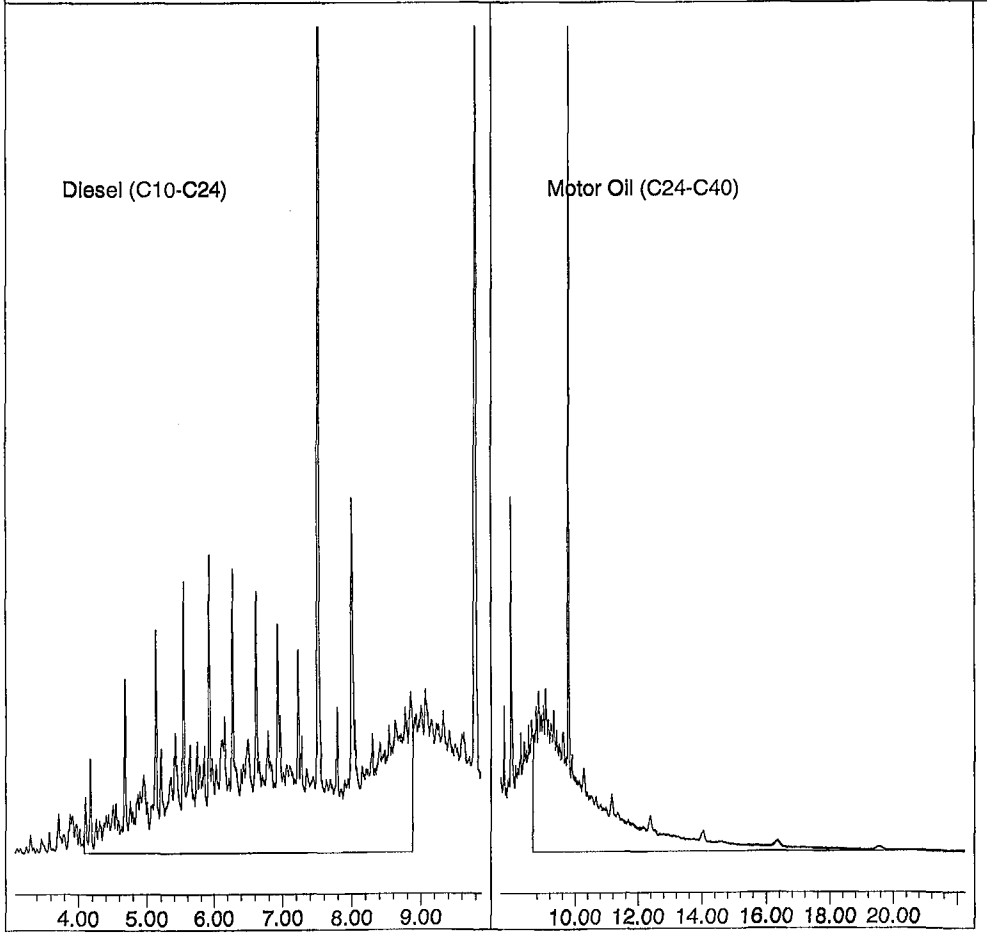
Target Compounds

Diesel:

$$\frac{(1351410169)(5)}{(25166669)(2)} = \frac{6757050845}{5033338} = \boxed{1342.459}$$

Data File: G:\APOLLO\DATA\211030\1030021.D
Sample : 211026A LCS-1 5/1000 SG





Quantitation Report (QT Reviewed)

Data File : G:\APOLLO\DATA\211108\1108020.D Vial: 20
Acq On : 11-8-21 18:36:00 Operator: KA
Sample : 211103A LCS-1 5/1000 SG Inst : Apollo
Misc : water Multiplr: 5.00
IntFile : events.e
Quant Time: Nov 10 17:36 2021 Quant Results File: DOC1028.RES

Method : G:\APOLLO\DATA\211028\DOC1028.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Nov 18 13:26:01 2021
Response via : Multiple Level Calibration

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

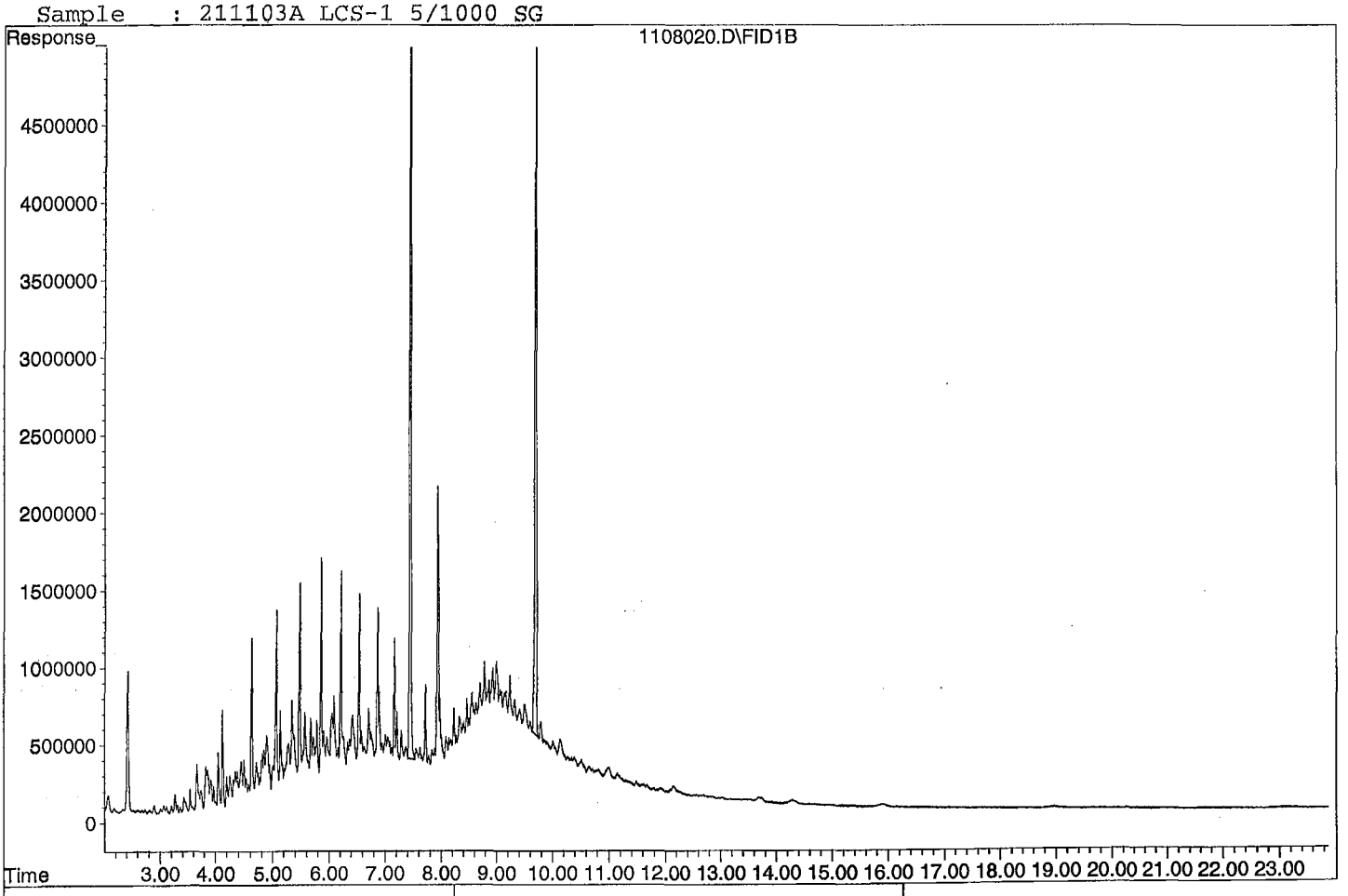
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.44	122196344	97.679 ppb
Surrogate Spike 150.000		Recovery =	65.12%
4) SA Octacosane(S)	9.69	97969156	108.305 ppb
Surrogate Spike 150.000		Recovery =	72.20%
Target Compounds			
1) HATM Diesel (C10-C24)	6.49	1329105709	1320.302 ppb
2) HBTM Motor Oil (C24-C40)	14.96	1006458161	1433.268 ppb
Target Compounds			

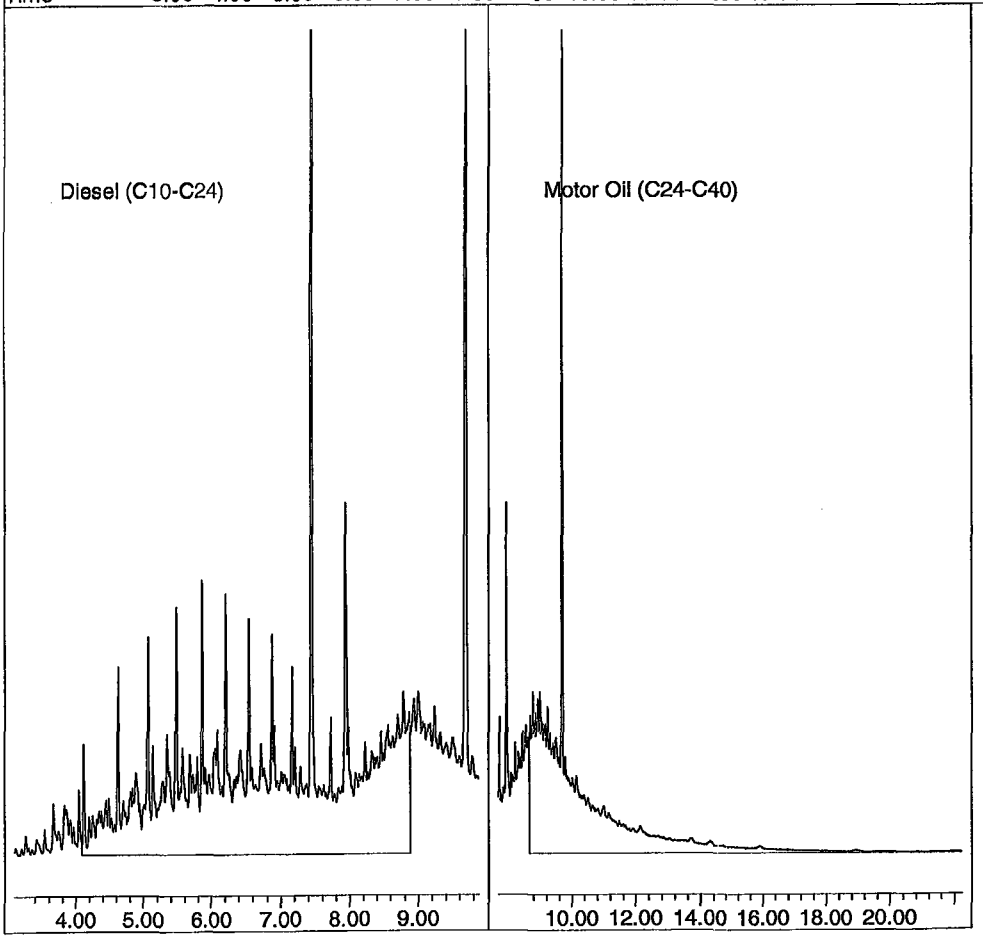
Diesel:

$$\frac{(1329105709)(5)}{(25166669)(2)} = \frac{6645528545}{50333338} = 1320.302$$

(f)=RT Delta > 1/2 Window
1108020.D DOC1028.M Wed Nov 24 08:49:15 2021 (m)=manual int.

Data File: G:\APOLLO\DATA\211108\1108020.D
Sample : 211103A LCS-1 5/1000 SG





Quantitation Report (QT Reviewed)

Data File : G:\APOLLO\DATA\211030\1030022.D Vial: 22
Acq On : 10-30-21 21:14:38 Operator: KA
Sample : 211026A LCSD-1 5/1000 SG Inst : Apollo
Misc : water Multiplr: 5.00
IntFile : events.e
Quant Time: Nov 1 12:53 2021 Quant Results File: DOC1028.RES

Method : G:\APOLLO\DATA\211028\DOC1028.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Nov 18 13:26:01 2021
Response via : Multiple Level Calibration

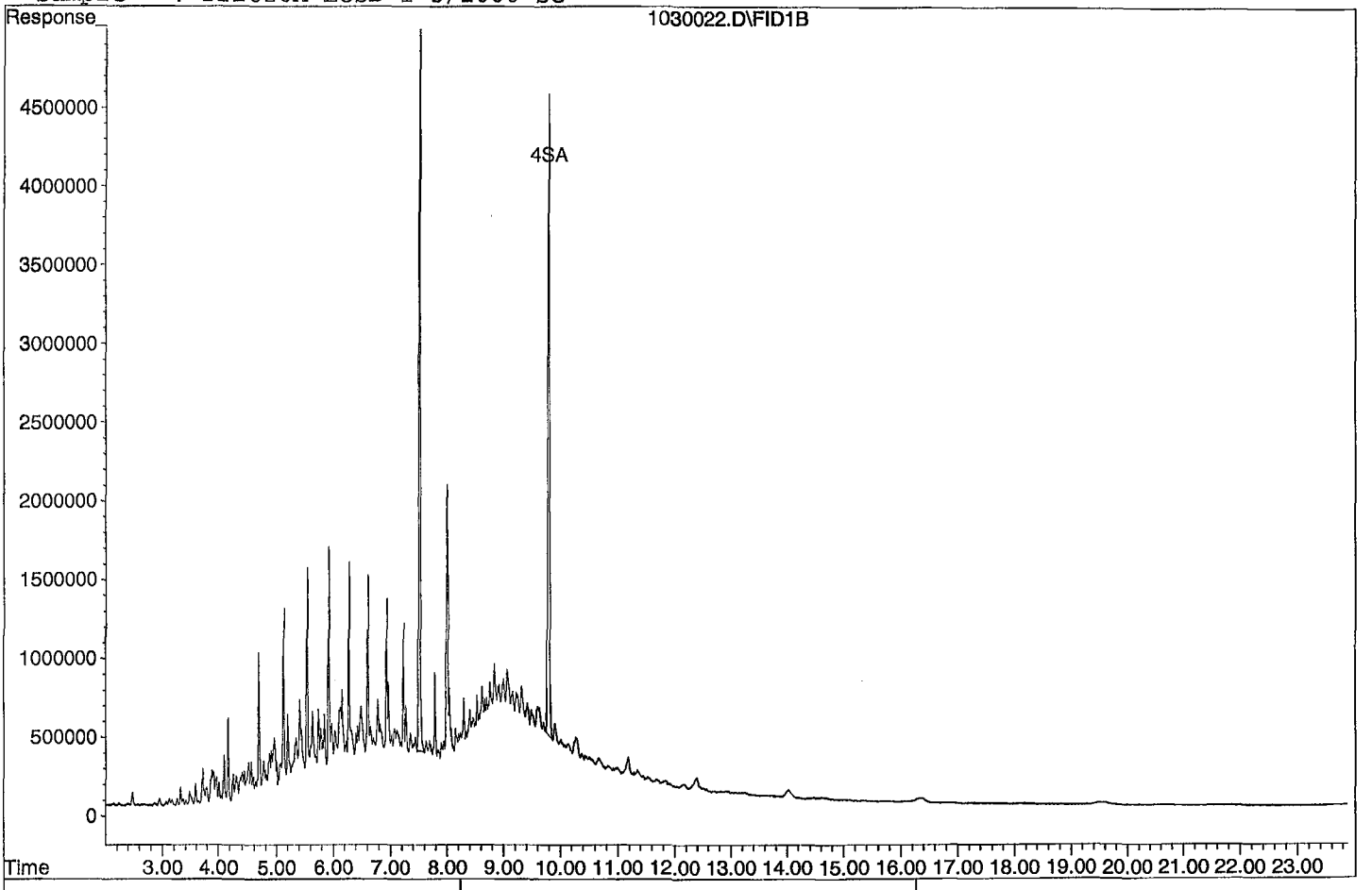
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

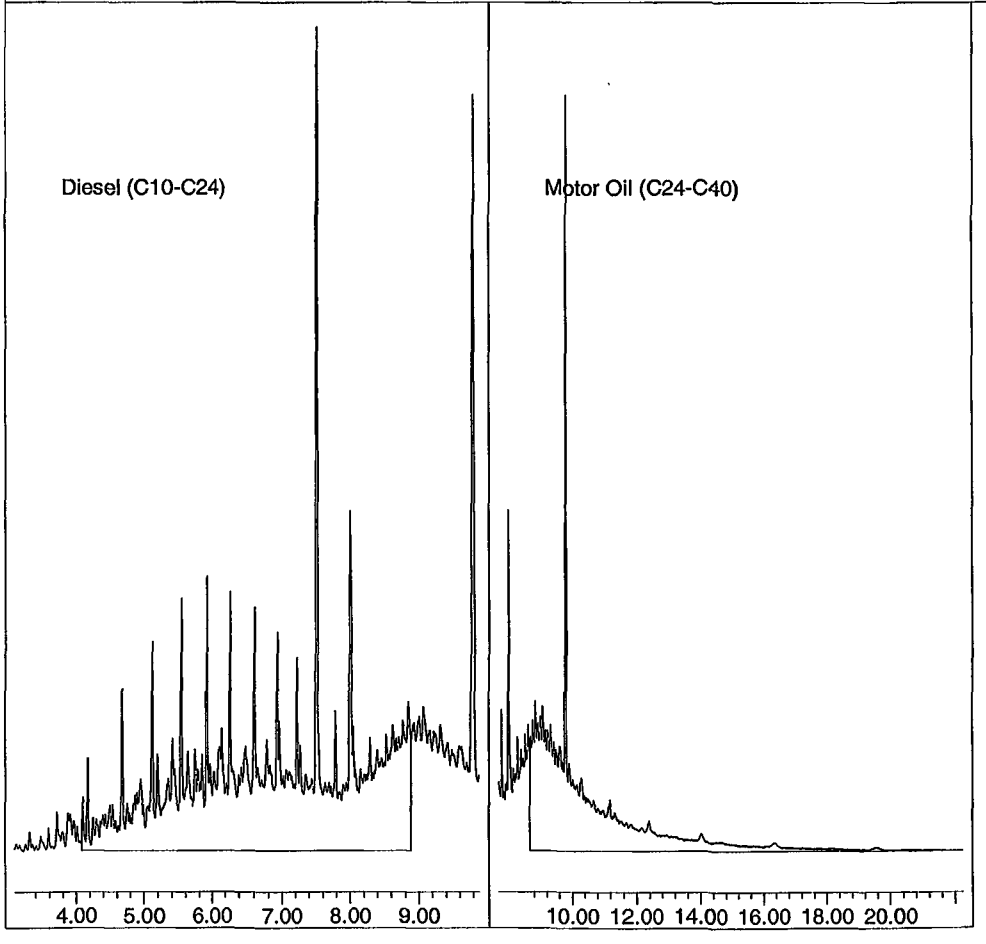
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.51	107858693	86.218 ppb
Surrogate Spike 150.000		Recovery =	57.48%
4) SA Octacosane(S)	9.80	85522551	94.545 ppb
Surrogate Spike 150.000		Recovery =	63.03%
Target Compounds			
1) HATM Diesel (C10-C24)	6.49	1248587604	1240.318 ppb
2) HBTM Motor Oil (C24-C40)	14.96	997657608	1420.295 ppb
Target Compounds			

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data File: G:\APOLLO\DATA\211030\1030022.D
Sample : 211026A LCSD-1 5/1000 SG





Quantitation Report (QT Reviewed)

Data File : G:\APOLLO\DATA\211108\1108021.D Vial: 21
Acq On : 11-8-21 19:04:08 Operator: KA
Sample : 211103A LCSD-1 5/1000 SG Inst : Apollo
Misc : water Multiplr: 5.00
IntFile : events.e
Quant Time: Nov 10 17:37 2021 Quant Results File: DOC1028.RES

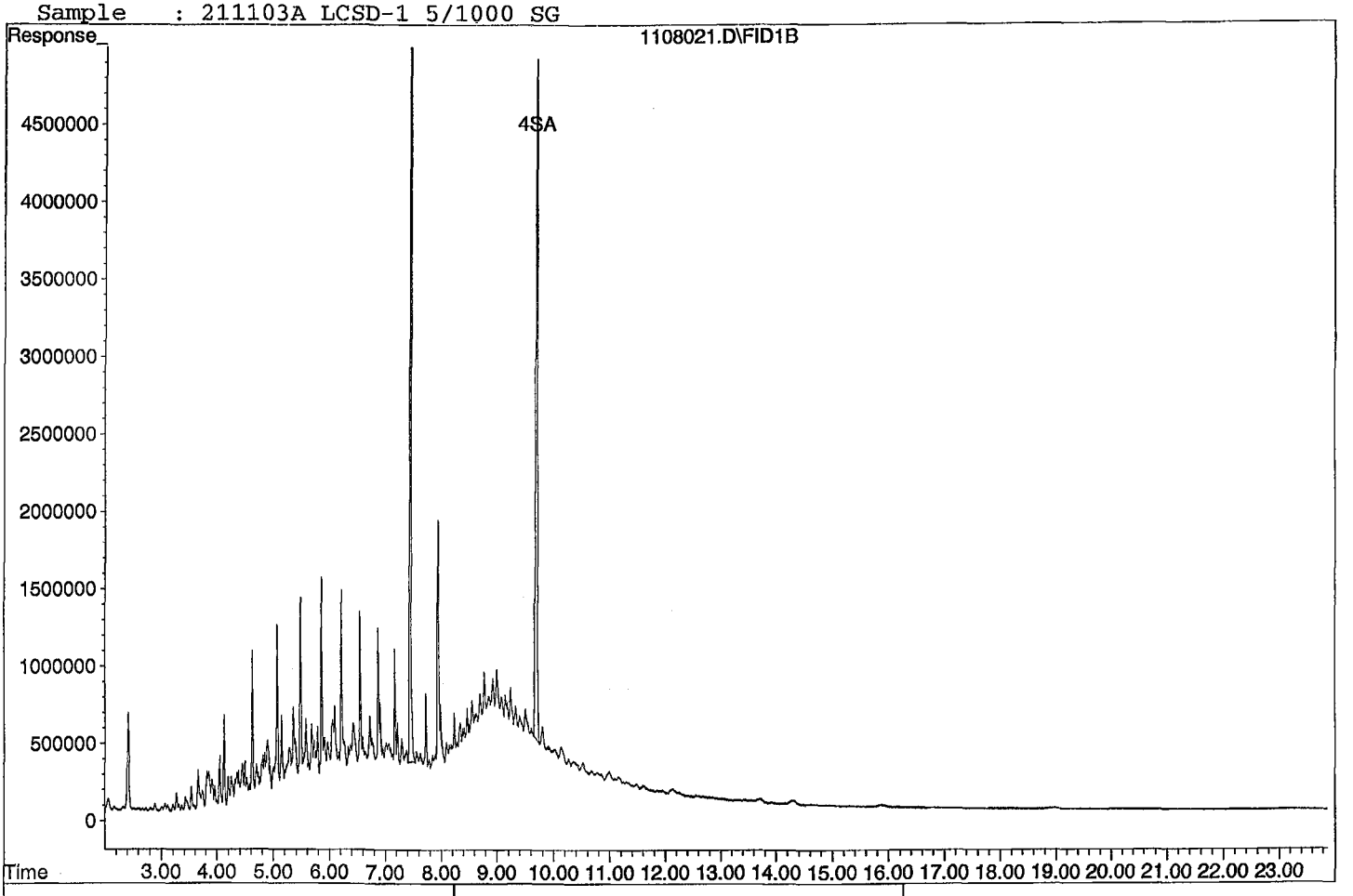
Method : G:\APOLLO\DATA\211028\DOC1028.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Nov 18 13:26:01 2021
Response via : Multiple Level Calibration

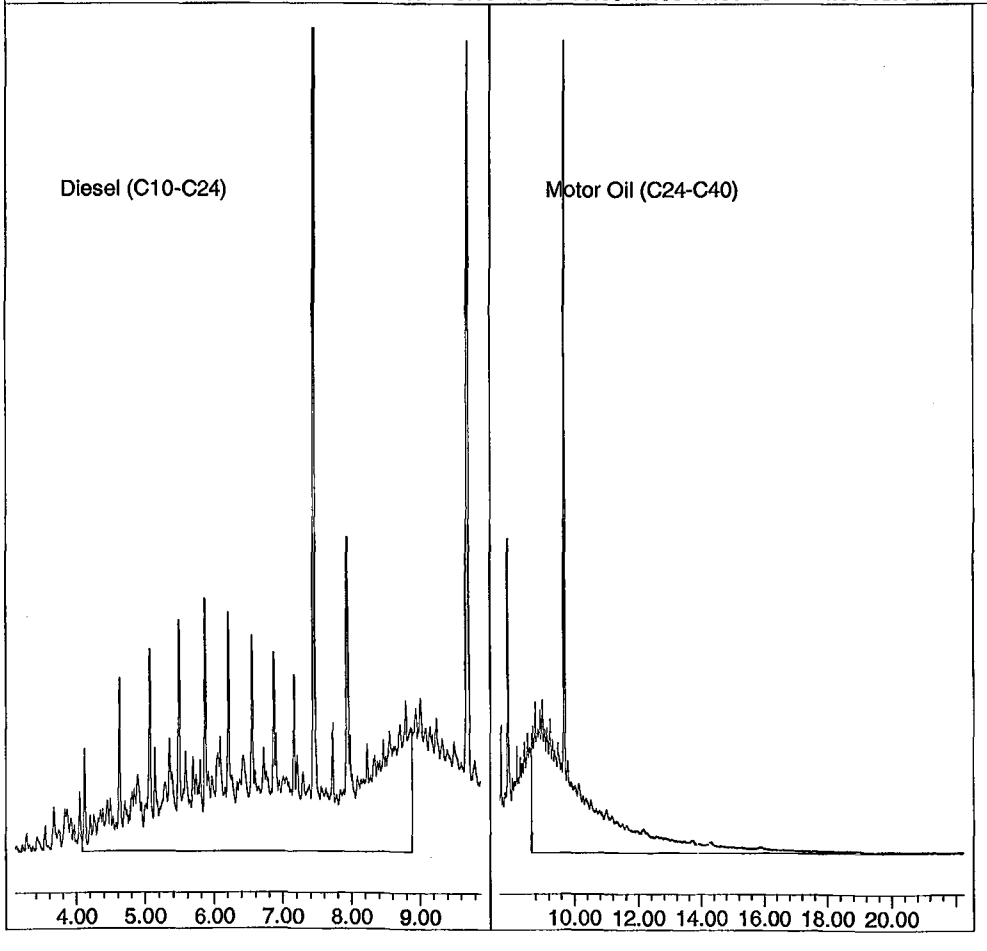
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.45	110880665	88.633 ppb
Surrogate Spike 150.000		Recovery =	59.09%
4) SA Octacosane(S)	9.69	88644083	97.996 ppb
Surrogate Spike 150.000		Recovery =	65.33%
Target Compounds			
1) HATM Diesel (C10-C24)	6.49	1224997085	1216.883 ppb
2) HBTM Motor Oil (C24-C40)	14.96	932478383	1324.213 ppb
Target Compounds			

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

Data File: G:\APOLLO\DATA\211108\1108021.D
Sample : 211103A LCSD-1 5/1000 SG





Diesel / Motor Oil Calibration Curve

Prepared: 10/28/2021
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	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: 10/6/21 A0164485-52822, A0168842-52820, AO166510-52817 CL16893-52835	See man. Exp date	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: 10/28/2021
Expires: 10/28/2024
Prepared By (Initials): KA
Methylene Chloride Lot No. 61117

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 Second Source	Phenova	AL0-101287	50,000	**CL16477-52980**	**See man. Exp date**	**2/28/2027**	50uL	10mL	MC	250
Motor Oil Second Source	Absolute	51094	50,000	**102819-52981**		**10/28/2024**	50uL			

Diesel / Motor Oil CCV

Prepared: 10/27/2021
Expires: 5/31/2026
Methylene Chloride Lot No. 61117

Prepared By (Initials): KA

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

Diesel Motor Oil Mix

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

Expires: 10/31/2027

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

Diesel Motor Oil Mix

Prepared: 10/30/2021 **Prepared By (Initials): KA**

Expires: 10/31/2027

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	**A0164485-52825 and A0164586-53175, 53174, and 53176**	**See man. Date**	**10/31/2027**	4.00 mL	8.0 mL	NA	25,000
Motor Oil Composite	Restek	31464	50,000	**A0166510-52817, and A0168842-53169, 53170, and 53171**	**See man. Date**	**12/31/2027 3/31/28**	4.00 mL			25,000

THC Surrogate

Prepared: 10/21/2021 **KA**

Expires: 5/31/2026

Initial Standard Information							Final Standard			
Name of Initial Standard (QAU Label)	Supplier	Supplier Part No.	Conc. (ug/mL)	Lot Number - QA Number	Exp. Date (1 yr.)	Exp. Date (Manufacturer)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/mL)
O-terphenyl / Octacosane Mix	Phenova	ALO-130161	600	**CL16893-52842**	**See ma. Date**	**5/31/2026**	N/A	N/A	N/A	600

THC Surrogate

Prepared: 10/29/2021 **LS**

Expires: 5/31/2026

Initial Standard Information							Final Standard			
Name of Initial Standard (QAU Label)	Supplier	Supplier Part No.	Conc. (ug/mL)	Lot Number - QA Number	Exp. Date (1 yr.)	Exp. Date (Manufacturer)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/mL)
O-terphenyl / Octacosane Mix	Phenova	ALO-130161	600	**CL16893-52841**	**See ma. Date**	**5/31/2026**	N/A	N/A	N/A	600

Decanoic Acid Calibration Curve

Prepared: 9/11/2021 **Prepared By (Initials):** KA

Expires: 7/12/2022

Methylene Chloride Lot No. 61117

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

Decanoic Acid CCV

Prepared: 10/8/2021 **Prepared By (Initials): KA**

Expires: 7/8/2024

Methylene Chloride Lot No. 61117

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 CCV

Prepared: 11/5/2021 **Prepared By (Initials):** KA

Expires: 7/8/2024

Methylene Chloride Lot No. 61117

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	Exp. Date (Manufacturer)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/mL)
Decanoic Acid	O2SI	72766	1,000	**070821-52989**	See man. Exp date	**7/8/2024**	360uL	10mL	MC	36

Decanoic Acid Spike

Prepared: 10/21/2021 **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	**070821-52695**	**See man. Exp date**	**7/8/2024**	N/A	N/A	N/A	1,000

Decanoic Acid Spike

Prepared: 11/5/2021 **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	**070821-52990**	**See man. Exp date**	**7/8/2024**	N/A	N/A	N/A	1,000

_LIQ005SGC

Organic Extraction Worksheet

Method	Continuous Liq/Liq TPH- 3520C w/SGC	Extraction Set	211026A	Extraction Method	LIQ005SGC	Units	mL

Spiked ID 1	Diesel Motor Oil Mix 10-16-21 10-16-22		Surrogate ID 1	THC Surrogate 10-21-21 10-21-22	
Spiked ID 2	Decanoic 1000ug/mL Acid Solution 10-21-21 10-21-22		Surrogate ID 2		
Spiked ID 3			Surrogate ID 3		
Spiked ID 4			Surrogate ID 4		
Spiked ID 5			Surrogate ID 5		
Spiked ID 6			Sufficient Vol for Matrix QC:	NO	
Spiked ID 7			Ext. Start Time:	10/26/21 12:40	
Spiked ID 8			Ext. End Time:	10/27/21 9:41	
			GC Requires Extract By:		

pH1	2	10/26/21 10:45	Water Bath Temp 1 °C	42/41.1 °C
pH2			Water Bath Temp 2 °C	
pH3			Water Bath Temp 3 °C	41/40.5 °C

Spiked By: SR **Date** 10/26/2021 **Witnessed By:** JAS **Date** 10/26/2021

	Sample	Sample Container	Spike Amount	Spike ID	Surrogate Amount	Surrogate ID	Extract Amount	Final Volume	pH	Extract Date/Time	Comments
1	211026A Blk		0.050	2	0.250	1	1000	5	2	10/26/21 10:49	*
						equip	E-HP1 E-WB1				
2	211026A LCS-1		0.080,0.050	1,2	0.250	1	1000	5	2	10/26/21 10:49	*
						equip	E-HP3 E-WB3				
3	211026A LCSD-1		0.080,0.050	1,2	0.250	1	1000	5	2	10/26/21 10:49	*
						equip	E-HP6 E-WB1				
4	BA44048	BA44048W10	0.050	2	0.250	1	1060	5	2	10/26/21 10:49	97943 *
						equip	E-HP7 E-WB3				
5	BA44050	BA44050W09	0.050	2	0.250	1	1000	5	2	10/26/21 10:49	97943 *
						equip	E-HP8 E-WB1				
6	BA44052	BA44052W09	0.050	2	0.250	1	1050	5	2	10/26/21 10:49	97943 *
						equip	E-HP9 E-WB3				
7	BA44054	BA44054W10	0.050	2	0.250	1	1040	5	2	10/26/21 10:49	97943 *
						equip	E-HP10 E-WB3				

Solvent and Lot#	
1+1 HCL (5mLs)	60358
PH Strips	hc155968
Dichloromethane (DCM)	61117
Filter Paper	400196
Sodium Sulfate	202171206
SILICA GEL (*)	050627t

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

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

Modified	10/28/2021 9:17:24 AM

Reviewed By: KY **Date** 10/28/2021

Organic Extraction Worksheet

Method	Continuous Liq/Liq TPH- 3520C w/SGC	Extraction Set	211103A	Extraction Method	LIQ005SGC	Units	mL

Spiked ID 1	Diesel Motor Oil Mix 10-30-21 10-30-22		Surrogate ID 1	THC Surrogate 10-29-21 10-29-22	
Spiked ID 2	Decanoic 1000ug/mL Acid Solution 10-21-21 10-21-22		Surrogate ID 2		
Spiked ID 3	Decanoic 1000ug/mL Acid Solution 115-21 11-5-22		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:	11/04/21 12:47	
Spiked ID 8			Ext. End Time:	11/05/21 15:55	
			GC Requires Extract By:		

pH1	2	11/03/21 14:50	Water Bath Temp 1 °C	39/ 38.1 °C
pH2			Water Bath Temp 2 °C	36/ 37.1
pH3			Water Bath Temp 3 °C	36/ 35.5 °C

Spiked By: SR **Date** 11/3/2021 **Witnessed By:** CG **Date** 11/3/2021

	Sample	Sample Container	Spike Amount	Spike ID	Surrogate Amount	Surrogate ID	Extract Amount	Final Volume	pH	Extract Date/Time	Comments
1	211103A Blk		0.050	2	0.250	1	1000	5	2	11/03/21 14:51	RE-EXTRACT *
						equip	E-HP3 E-WB1				
2	211103A LCS-1		0.080,0.050	1,3	0.250	1	1000	5	2	11/03/21 14:51	*
						equip	E-HP4 E-WB2				
3	211103A LCSD-1		0.080,0.050	1,3	0.250	1	1000	5	2	11/03/21 14:51	*
						equip	E-HP6 E-WB1				
4	BA44048	BA44048W09	0.050	3	0.250	1	950	5	2	11/03/21 14:51	97943 *
						equip	E-HP7 E-WB2				
5	BA44052	BA44052W10	0.050	3	0.250	1	1000	5	2	11/03/21 14:51	97943 *
						equip	E-HP8 E-WB1				
6	BA44054	BA44054W09	0.050	3	0.250	1	1000	5	2	11/03/21 14:51	97943 *
						equip	E-HP9 E-WB2				

Solvent and Lot#	
1+1 HCL (5mLs)	60358
PH Strips	HC155968
Dichloromethane (DCM)	61117
Filter Paper	400196
Sodium Sulfate	2021071206
SILICA GEL (*)	050627T

Extraction COC Transfer	
Extraction lab employee Initials	KY
GC analyst's initials	KA
Date	11/8/21
Time	7:57
Refrigerator	Hobart

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

Modified	11/8/2021 9:33:34 AM

Reviewed By: KY **Date** 11/8/2021

Injection Log

Directory: G:\APOLLO\DATA\210911\

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	2	911002.D	1	Decanoic Acid STD 1	water	9-11-21 10:22:53
2	3	911003.D	1	Decanoic Acid STD 2	water	9-11-21 10:51:11
3	4	911004.D	1	Decanoic Acid STD 3	water	9-11-21 11:19:39
4	5	911005.D	1	Decanoic Acid STD 4	water	9-11-21 11:48:04
5	6	911006.D	1	Decanoic Acid STD 5	water	9-11-21 12:16:37
6	7	911007.D	1	Decanoic Acid STD 6	water	9-11-21 12:45:02
7	3	1028003.D	1	DMO STD 1 10/28/21	water	10-28-21 9:19:03
8	4	1028004.D	1	DMO STD 2 10/28/21	water	10-28-21 9:47:06
9	5	1028005.D	1	DMO STD 3 10/28/21	water	10-28-21 10:15:13
10	6	1028006.D	1	DMO STD 4 10/28/21	water	10-28-21 10:43:31
11	7	1028007.D	1	DMO STD 5 10/28/21	water	10-28-21 11:11:42
12	8	1028008.D	1	DMO STD 6 10/28/21	water	10-28-21 11:39:55
13	9	1028009.D	1	DMO STD 7 10/28/21	water	10-28-21 12:08:10
14	10	1028010.D	1	DMO Second Source 10/28/21	water	10-28-21 12:36:26
15	5	1030005.D	1	DMO LVL4 CCV 10/27/21	water	10-30-21 12:55:52
16	6	1030006.D	1	Decanoic Acid CCV 10/8/21	water	10-30-21 13:24:07
17	20	1030020.D	5	211026A BLK 5/1000 SG	water	10-30-21 20:18:08
18	21	1030021.D	5	211026A LCS-1 5/1000 SG	water	10-30-21 20:46:23
19	22	1030022.D	5	211026A LCSD-1 5/1000 SG	water	10-30-21 21:14:38
20	23	1030023.D	4.71698	BA44048W10 5/1060 SG	water	10-30-21 21:42:52
21	24	1030024.D	5	BA44050W09 5/1000 SG	water	10-30-21 22:11:07
22	25	1030025.D	4.7619	BA44052W09 5/1050 SG	water	10-30-21 22:39:21
23	26	1030026.D	4.80769	BA44054W10 5/1040 SG	water	10-30-21 23:07:33
24	27	1030027.D	1	DMO LVL4 CCV 10/27/21	water	10-30-21 23:35:45
25	28	1030028.D	1	Decanoic Acid CCV 10/8/21	water	10-31-21 0:03:54

Injection Log

Directory: G:\APOLLO\DATA\210911\

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	2	911002.D	1	Decanoic Acid STD 1	water	9-11-21 10:22:53
2	3	911003.D	1	Decanoic Acid STD 2	water	9-11-21 10:51:11
3	4	911004.D	1	Decanoic Acid STD 3	water	9-11-21 11:19:39
4	5	911005.D	1	Decanoic Acid STD 4	water	9-11-21 11:48:04
5	6	911006.D	1	Decanoic Acid STD 5	water	9-11-21 12:16:37
6	7	911007.D	1	Decanoic Acid STD 6	water	9-11-21 12:45:02
7	3	1028003.D	1	DMO STD 1 10/28/21	water	10-28-21 9:19:03
8	4	1028004.D	1	DMO STD 2 10/28/21	water	10-28-21 9:47:06
9	5	1028005.D	1	DMO STD 3 10/28/21	water	10-28-21 10:15:13
10	6	1028006.D	1	DMO STD 4 10/28/21	water	10-28-21 10:43:31
11	7	1028007.D	1	DMO STD 5 10/28/21	water	10-28-21 11:11:42
12	8	1028008.D	1	DMO STD 6 10/28/21	water	10-28-21 11:39:55
13	9	1028009.D	1	DMO STD 7 10/28/21	water	10-28-21 12:08:10
14	10	1028010.D	1	DMO Second Source 10/28/21	water	10-28-21 12:36:26
15	17	1108017.D	1	DMO LVL 4 CCV 10/27/21	water	11-8-21 17:11:31
16	18	1108018.D	1	Decanoic Acid CCV 11/5/21	water	11-8-21 17:39:42
17	19	1108019.D	5	211103A BLK 5/1000 SG	water	11-8-21 18:07:50
18	20	1108020.D	5	211103A LCS-1 5/1000 SG	water	11-8-21 18:36:00
19	21	1108021.D	5	211103A LCSD-1 5/1000 SG	water	11-8-21 19:04:08
20	22	1108022.D	5.26316	BA44048W09 5/950 SG	water	11-8-21 19:32:15
21	23	1108023.D	5	BA44052W10 5/1000 SG	water	11-8-21 20:00:21
22	24	1108024.D	5	BA44054W09 5/1000 SG	water	11-8-21 20:28:28
23	25	1108025.D	1	DMO LVL 4 CCV 10/27/21	water	11-8-21 20:56:32
24	26	1108026.D	1	Decanoic Acid CCV 11/5/21	water	11-8-21 21:24:36

ORGANICS
Calibration Data

TPH Extractables
DOC1028

Form 6
Initial Calibration

Lab Name: APPL, Inc. SDG No:
Case No: Initial Cal. Date: 10/28/2021
Matrix: Water Instrument: Apollo
Initials: KA

		Compound	1	2	3	4	5	6	7				Avg	%RSD	Type	r^2	Q
			1028003.D	1028004.D	1028005.D	1028006.D	1028007.D	1028008.D	1028009.D								
1	HATM	Diesel (C10-C24)	2983809	2406563	2517872	2418941	2337993	2387715	2563791				2516669	8.7	HATM		
2	HBTML	Motor Oil (C24-C40)	5192328	3260715	2065863	1824592	1695984	1676117	1728658				2492037	53	HBTM	1.000	
3	SA	Ortho-Terphenyl(S)	3637234	3178668	3119876	3035678	2926966	2905323	3088794				3127505	7.9	SA		
4	SA	Octacosane(S)	2469203	2170507	2286410	2275552	2170413	2171254	2286658				2261428	4.8	SA		
5																	
6																	
7																	
8																	
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35																	

2.118919

Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\211028\1028003.D Vial: 3
Acq On : 10-28-21 9:19:03 Operator: KA
Sample : DMO STD 1 10/28/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 28 15:39 2021 Quant Results File: DOC1028.RES

Method : G:\APOLLO\DATA\211028\DOC1028.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Oct 28 15:39:11 2021
Response via : Multiple Level Calibration

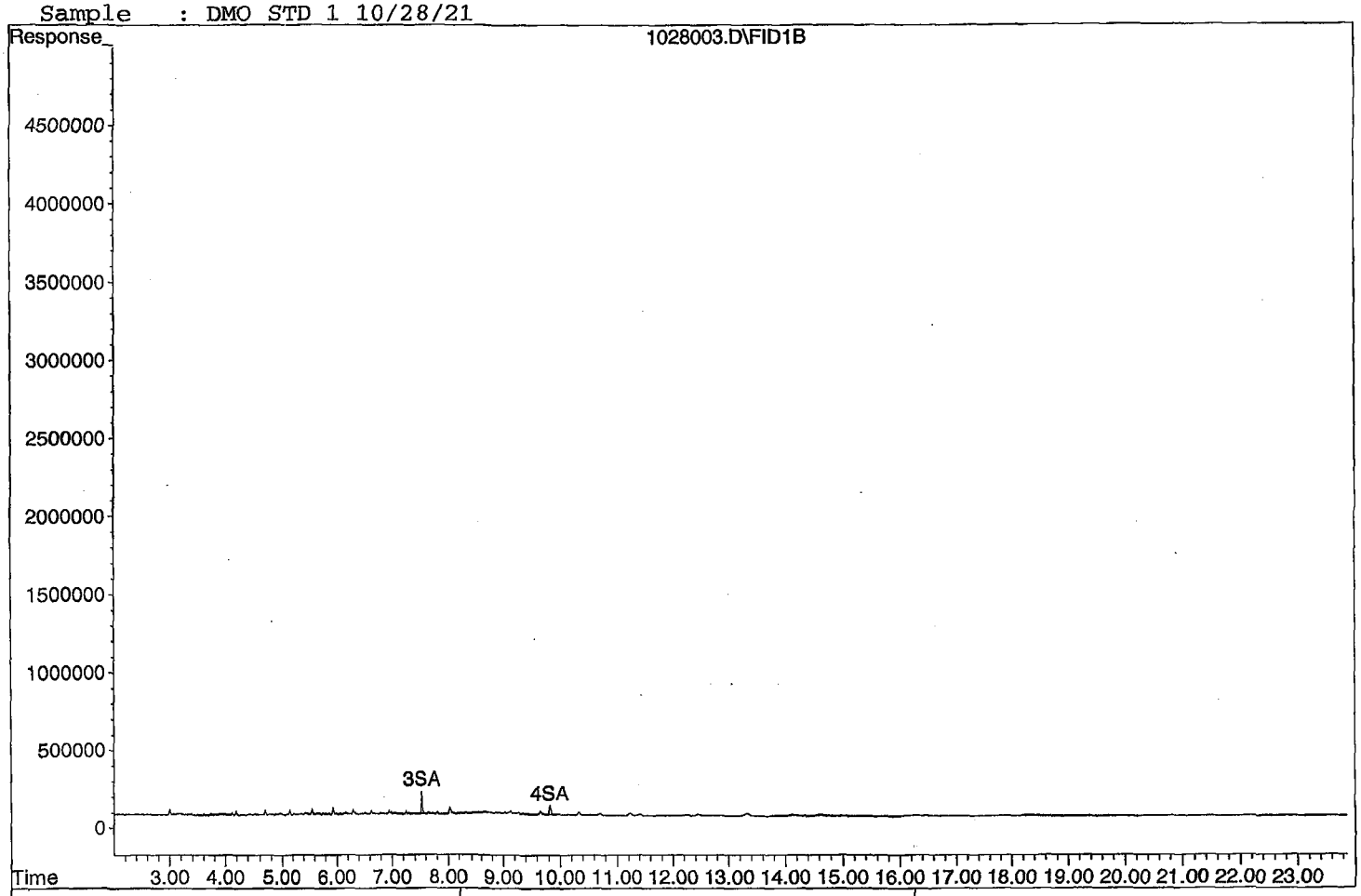
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

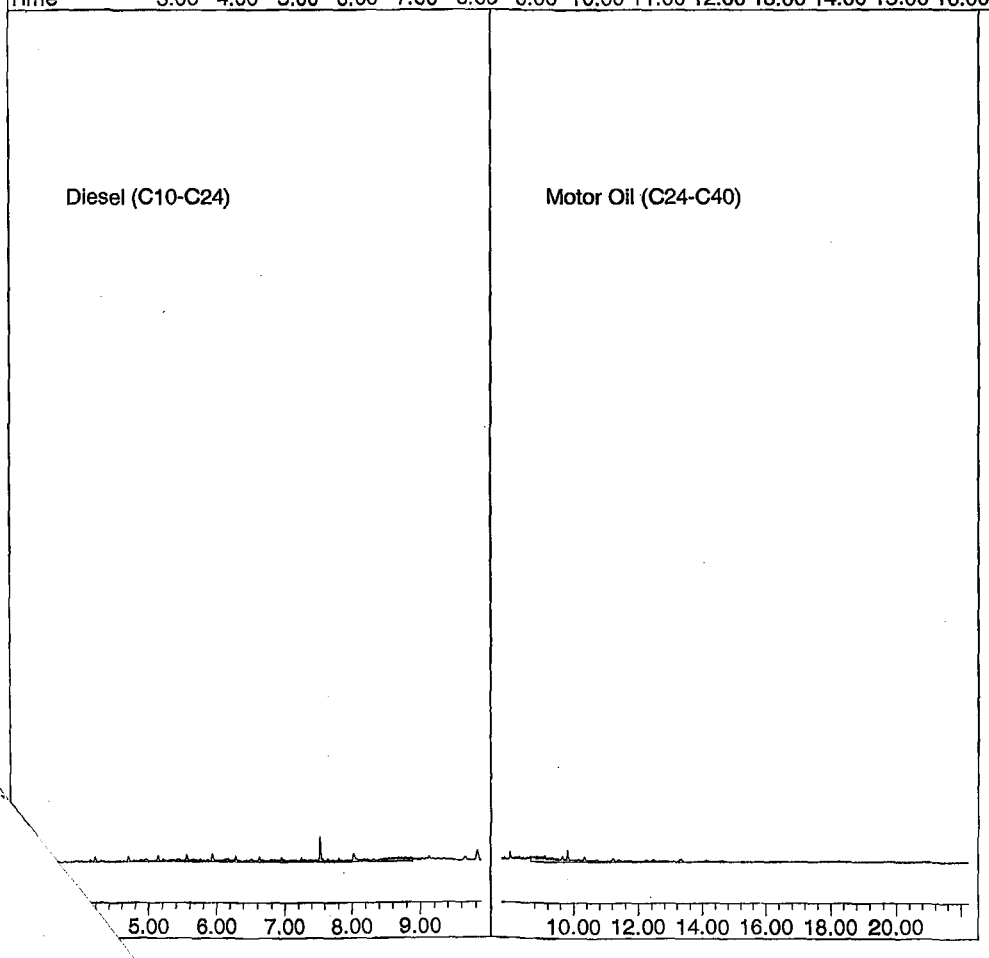
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.53	1818617	0.291 ppb
Surrogate Spike 30.000	Recovery =		0.97%
4) SA Octacosane(S)	9.82	1234601	0.273 ppb
Surrogate Spike 30.000	Recovery =		0.91%
Target Compounds			
1) HATM Diesel (C10-C24)	6.49	29838086	5.928 ppb
2) HBTM Motor Oil (C24-C40)	14.96	51923283	5.234 ppb

Target Compounds

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

Data File: G:\APOLLO\DATA\211028\1028003.D
Sample : DMO STD 1 10/28/21





Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\211028\1028004.D Vial: 4
Acq On : 10-28-21 9:47:06 Operator: KA
Sample : DMO STD 2 10/28/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 28 15:39 2021 Quant Results File: DOC1028.RES

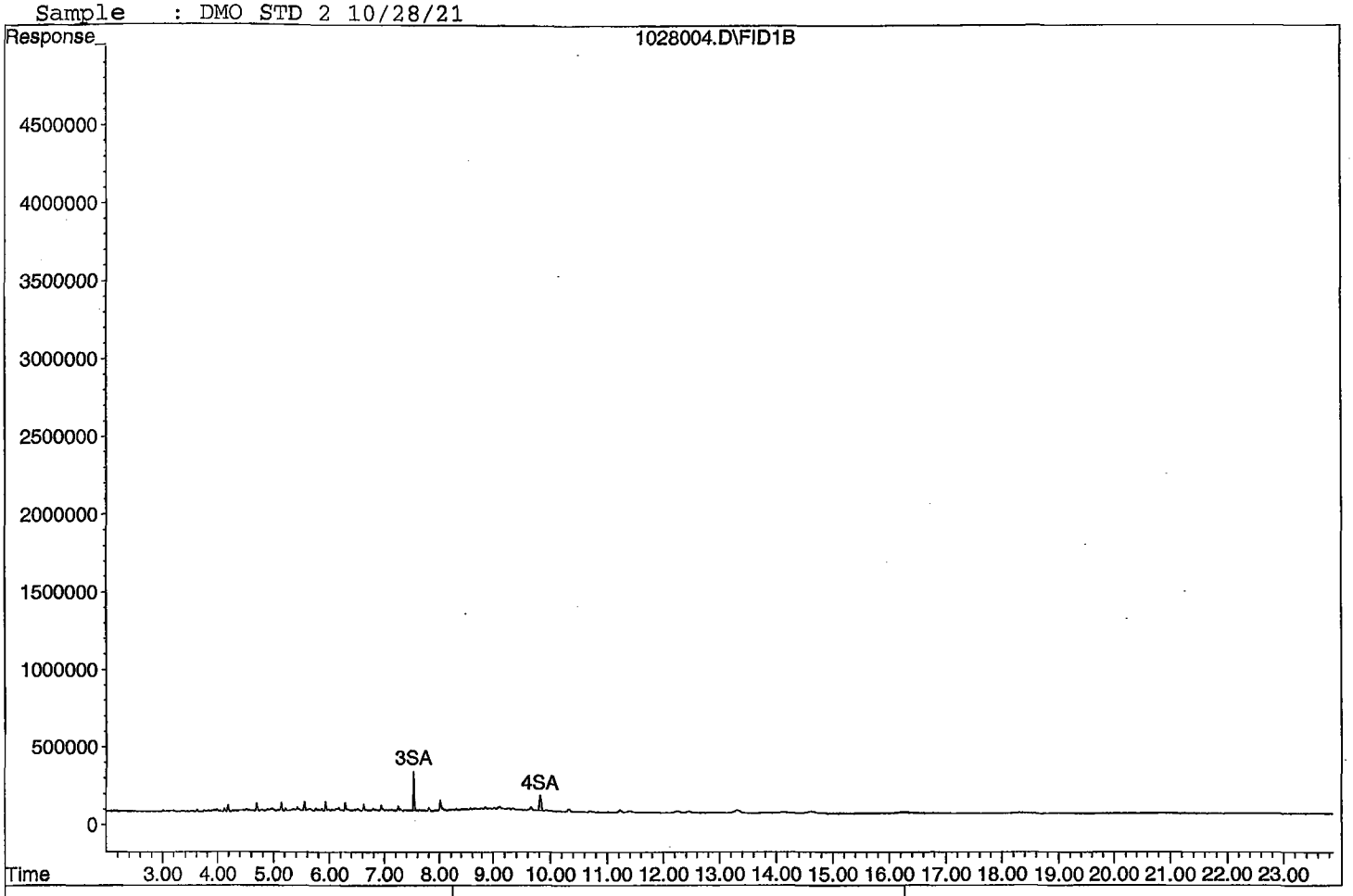
Method : G:\APOLLO\DATA\211028\DOC1028.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Oct 28 15:39:11 2021
Response via : Multiple Level Calibration

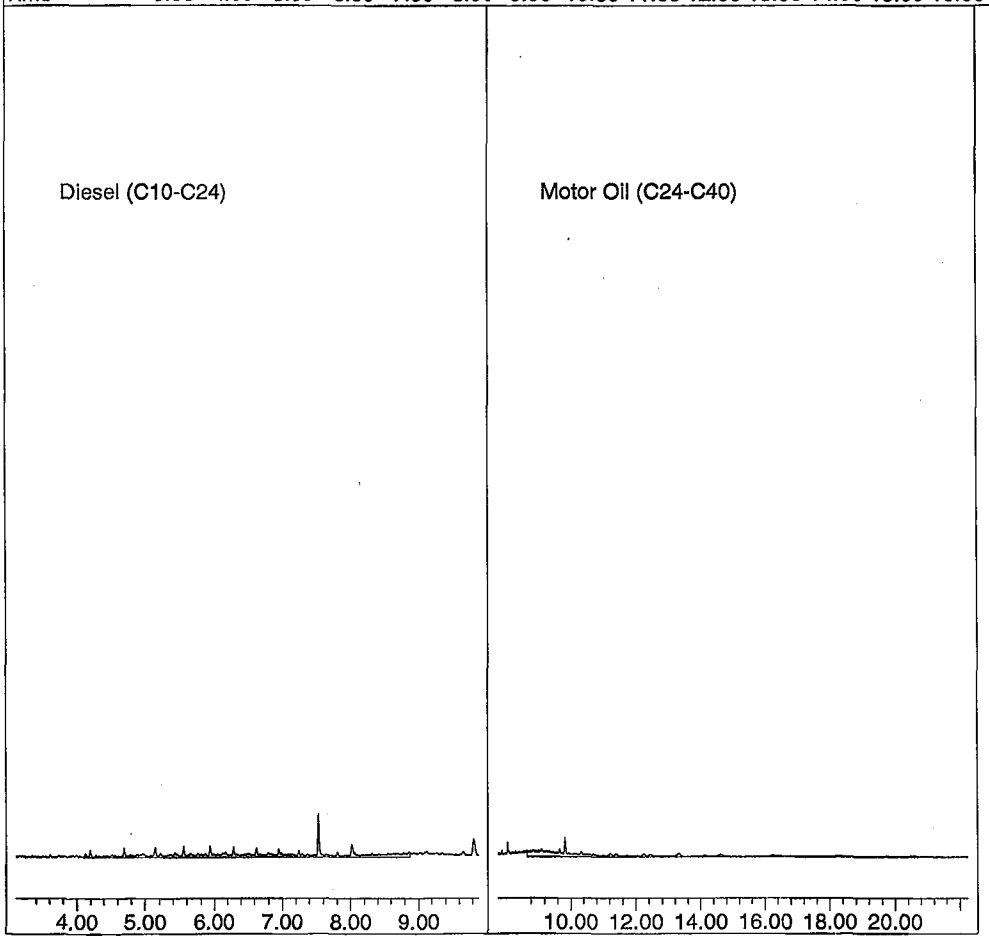
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.53	3178668	0.508 ppb
Surrogate Spike 30.000	Recovery =		1.69%
4) SA Octacosane(S)	9.82	2170507	0.480 ppb
Surrogate Spike 30.000	Recovery =		1.60%
Target Compounds			
1) HATM Diesel (C10-C24)	6.49	48131263	9.562 ppb
2) HBTM Motor Oil (C24-C40)	14.96	65214303	9.152 ppb
Target Compounds			

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

Data File: G:\APOLLO\DATA\211028\1028004.D
Sample : DMO STD 2 10/28/21





Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\211028\1028005.D Vial: 5
Acq On : 10-28-21 10:15:13 Operator: KA
Sample : DMO STD 3 10/28/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 28 15:39 2021 Quant Results File: DOC1028.RES

Method : G:\APOLLO\DATA\211028\DOC1028.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Oct 28 15:39:11 2021
Response via : Multiple Level Calibration

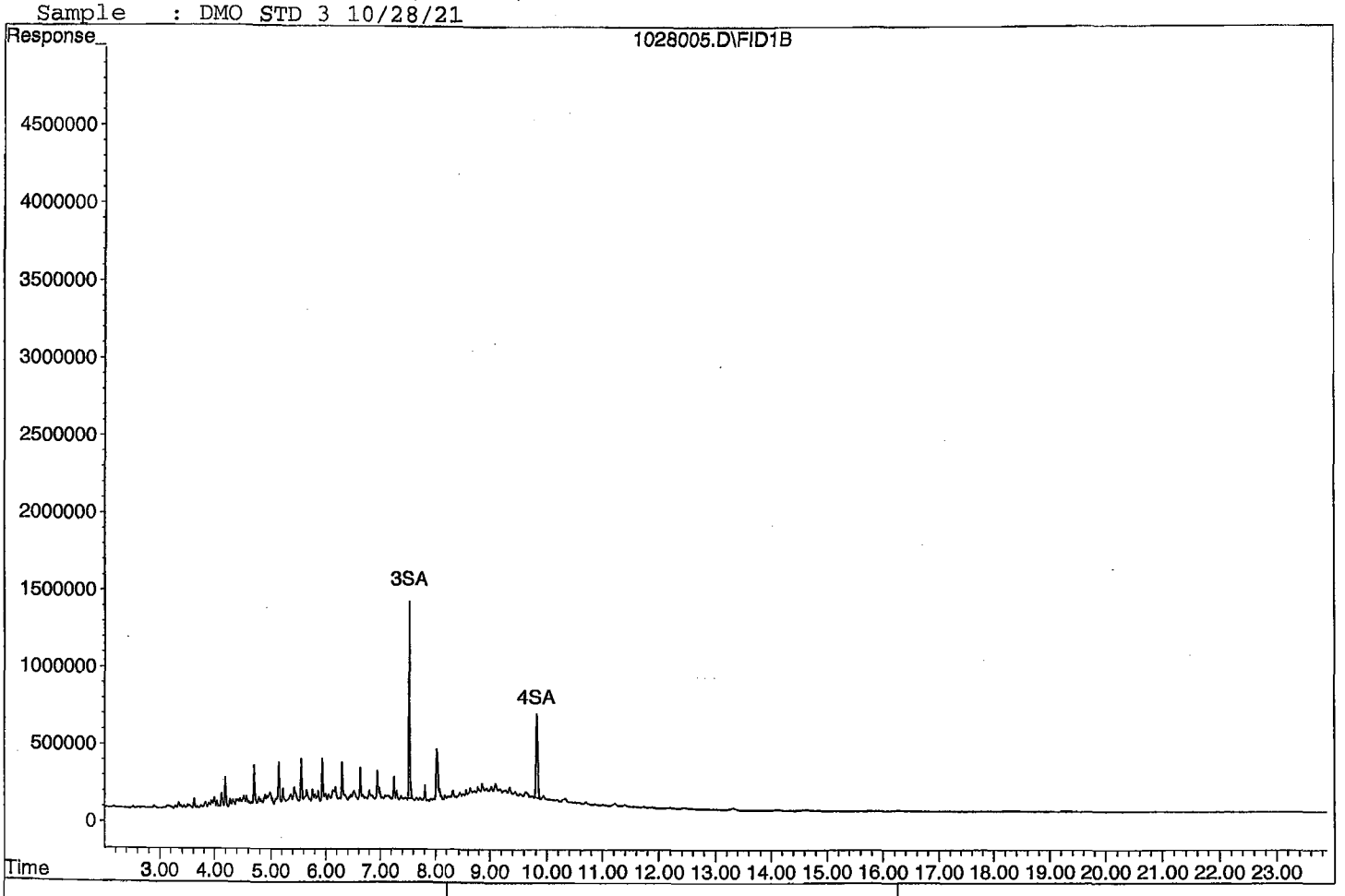
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

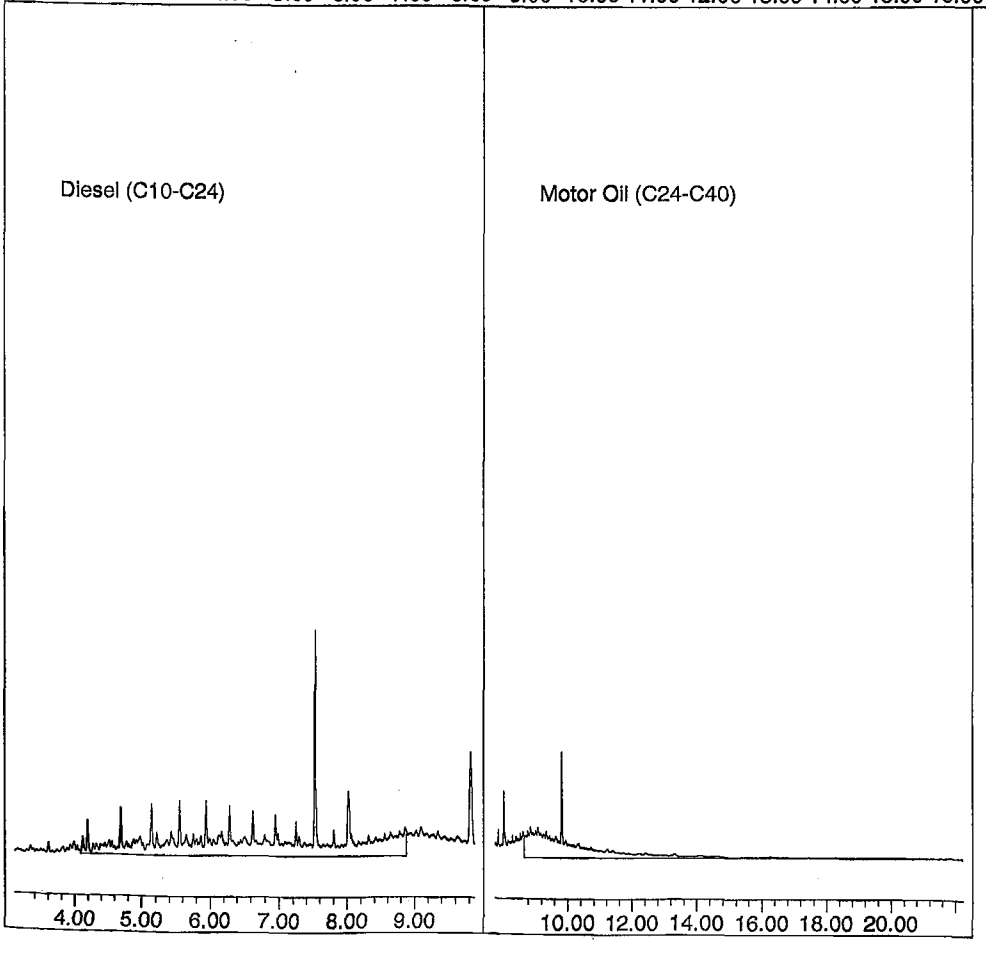
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.53	15599382	2.494 ppb
Surrogate Spike 30.000	Recovery =		8.31%
4) SA Octacosane(S)	9.82	11432050	2.528 ppb
Surrogate Spike 30.000	Recovery =		8.43%
Target Compounds			
1) HATM Diesel (C10-C24)	6.49	251787231	50.024 ppb
2) HBTM Motor Oil (C24-C40)	14.96	206586322	50.832 ppb

Target Compounds

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

Data File: G:\APOLLO\DATA\211028\1028005.D
Sample : DMO STD 3 10/28/21





Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\211028\1028006.D Vial: 6
Acq On : 10-28-21 10:43:31 Operator: KA
Sample : DMO STD 4 10/28/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 28 15:39 2021 Quant Results File: DOC1028.RES

Method : G:\APOLLO\DATA\211028\DOC1028.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Oct 28 15:39:11 2021
Response via : Multiple Level Calibration

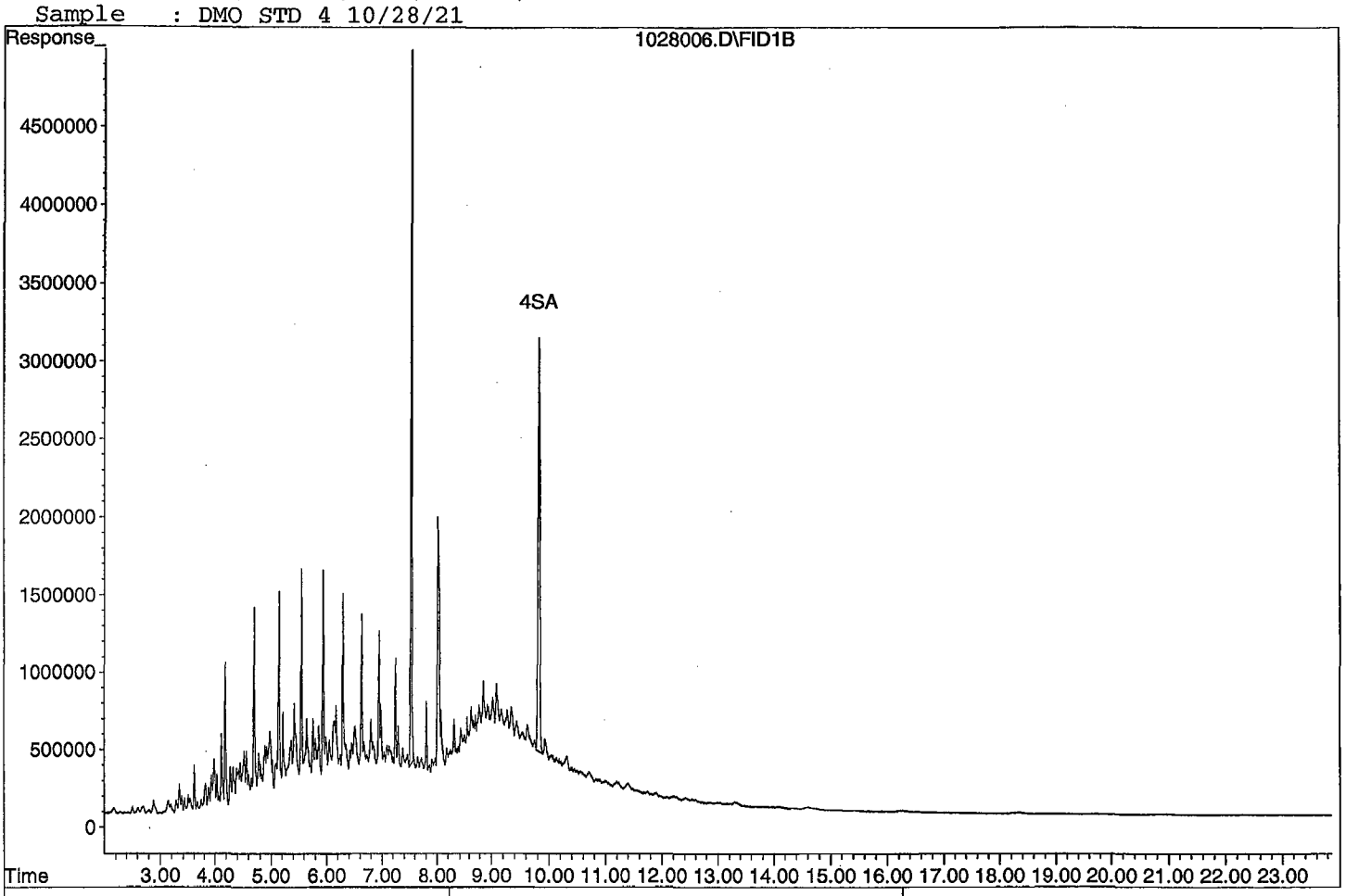
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

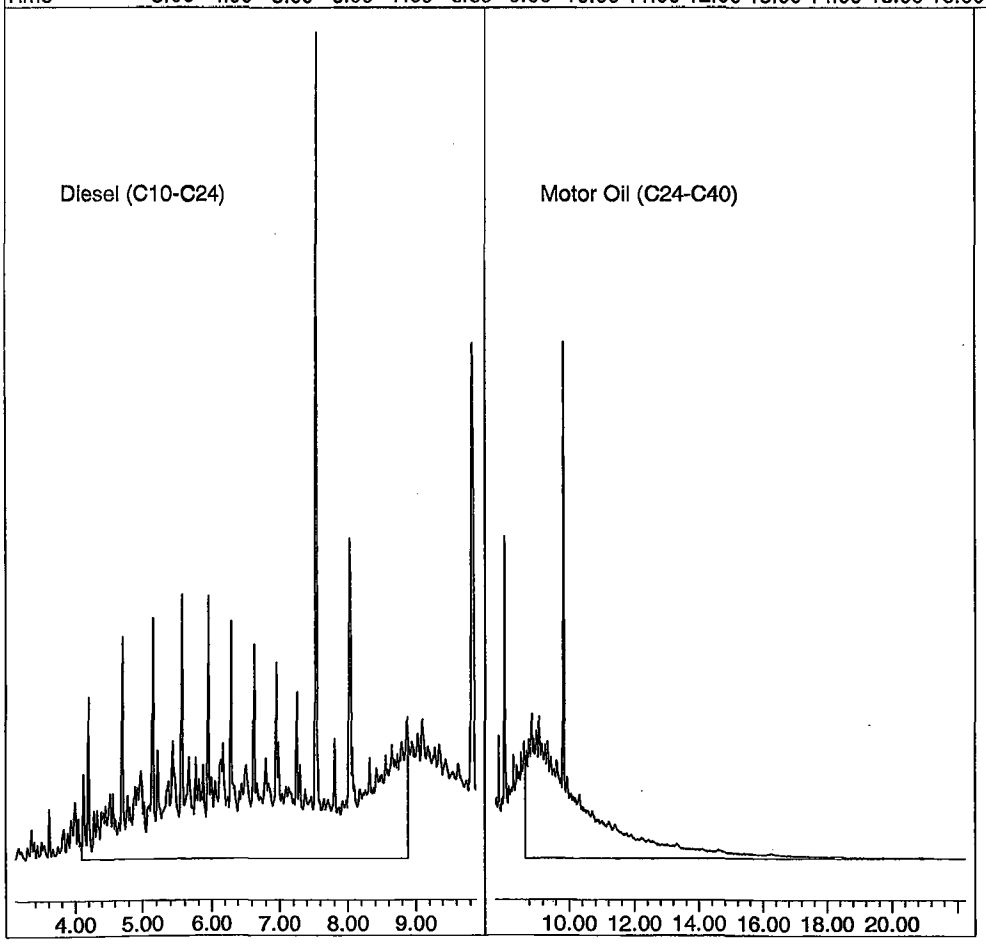
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.53	75891940	12.133 ppb
Surrogate Spike 30.000	Recovery =		40.44%
4) SA Octacosane(S)	9.82	56888797	12.578 ppb
Surrogate Spike 30.000	Recovery =		41.93%
Target Compounds			
1) HATM Diesel (C10-C24)	6.49	1209470396	240.292 ppb
2) HBTM Motor Oil (C24-C40)	14.96	912296132	258.892 ppb

Target Compounds

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

Data File: G:\APOLLO\DATA\211028\1028006.D
Sample : DMO STD 4 10/28/21





Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\211028\1028007.D Vial: 7
Acq On : 10-28-21 11:11:42 Operator: KA
Sample : DMO STD 5 10/28/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 28 15:39 2021 Quant Results File: DOC1028.RES

Method : G:\APOLLO\DATA\211028\DOC1028.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Oct 28 15:39:11 2021
Response via : Multiple Level Calibration

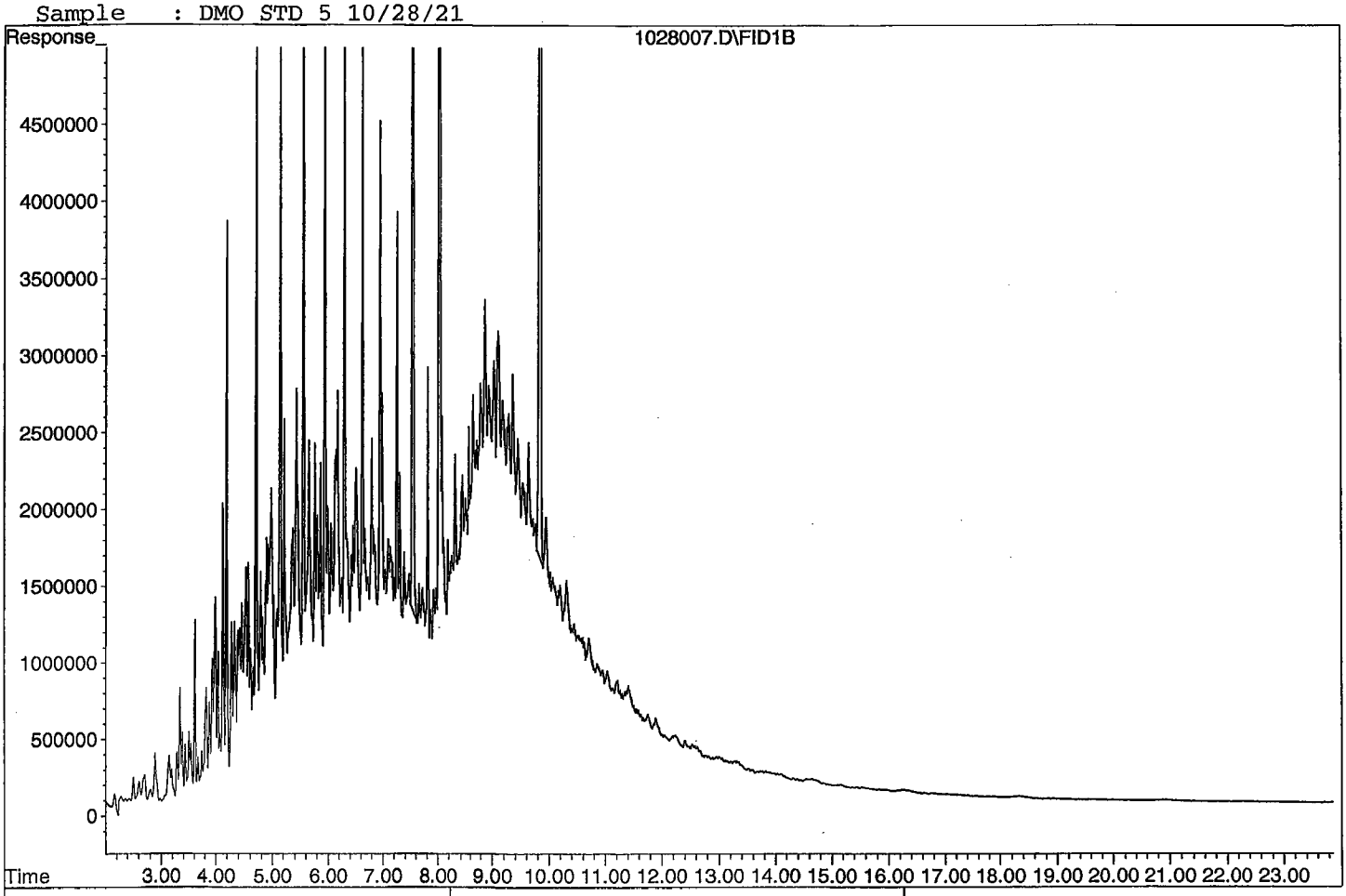
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

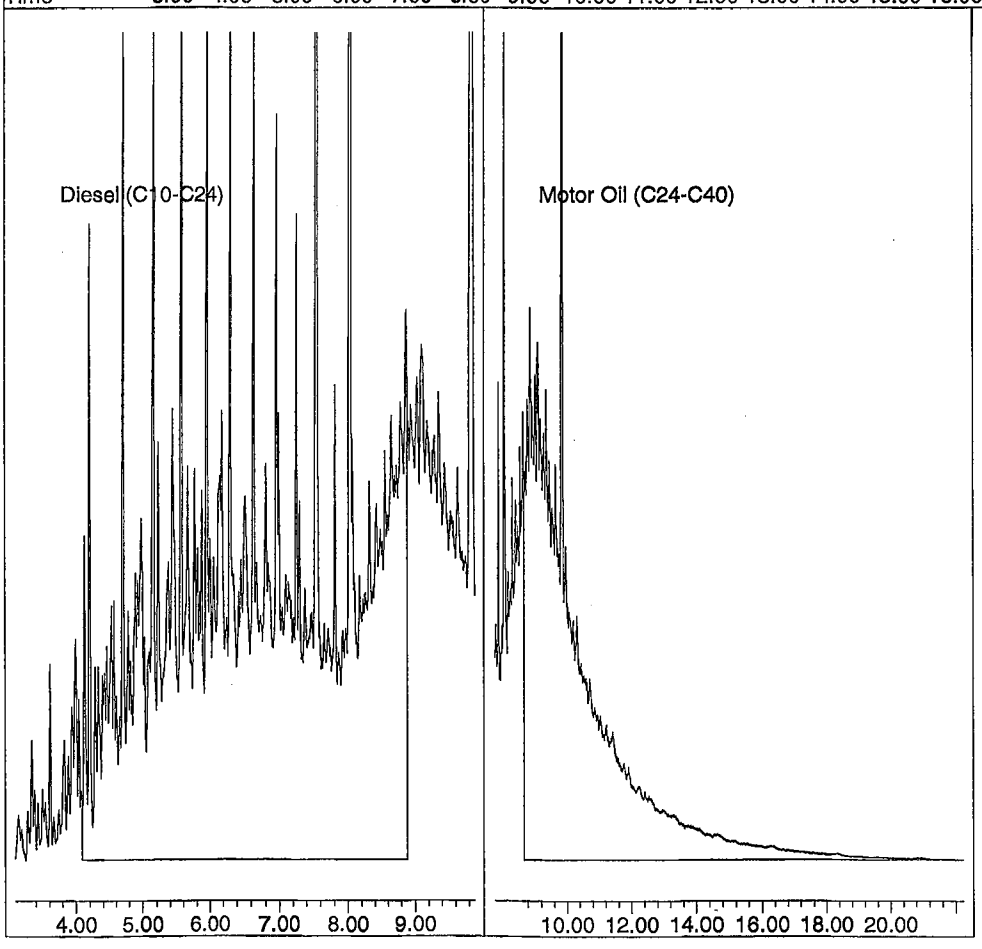
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.54	292696553	46.794 ppb
Surrogate Spike 30.000	Recovery =		155.98%
4) SA Octacosane(S)	9.83	217041298	47.988 ppb
Surrogate Spike 30.000	Recovery =		159.96%
Target Compounds			
1) HATM Diesel (C10-C24)	6.49	4675985227	929.003 ppb
2) HBTM Motor Oil (C24-C40)	14.96	3391967397	989.959 ppb

Target Compounds

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

Data File: G:\APOLLO\DATA\211028\1028007.D
Sample : DMO STD 5 10/28/21





Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\211028\1028008.D Vial: 8
Acq On : 10-28-21 11:39:55 Operator: KA
Sample : DMO STD 6 10/28/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 28 15:39 2021 Quant Results File: DOC1028.RES

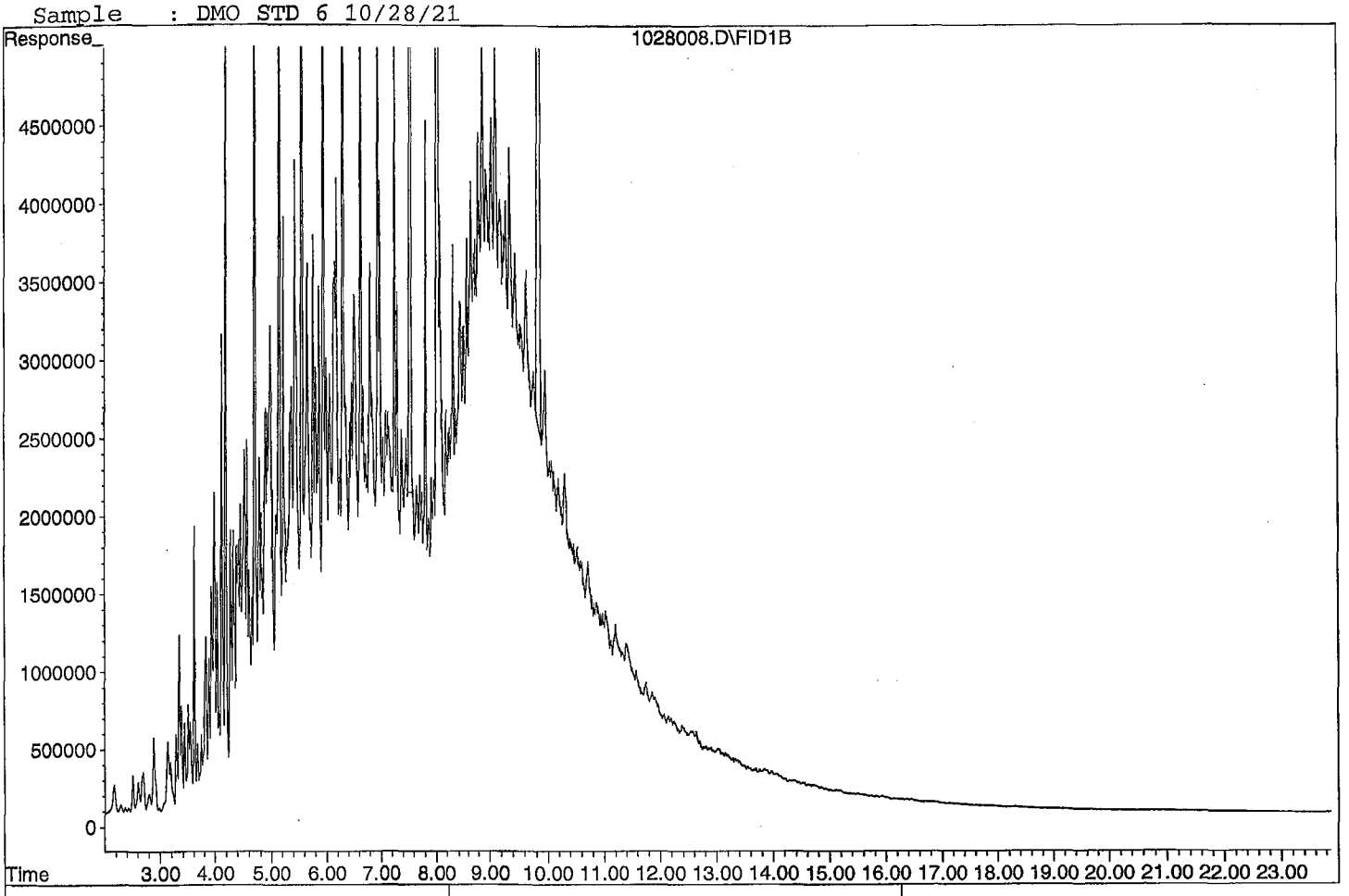
Method : G:\APOLLO\DATA\211028\DOC1028.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Oct 28 15:39:11 2021
Response via : Multiple Level Calibration

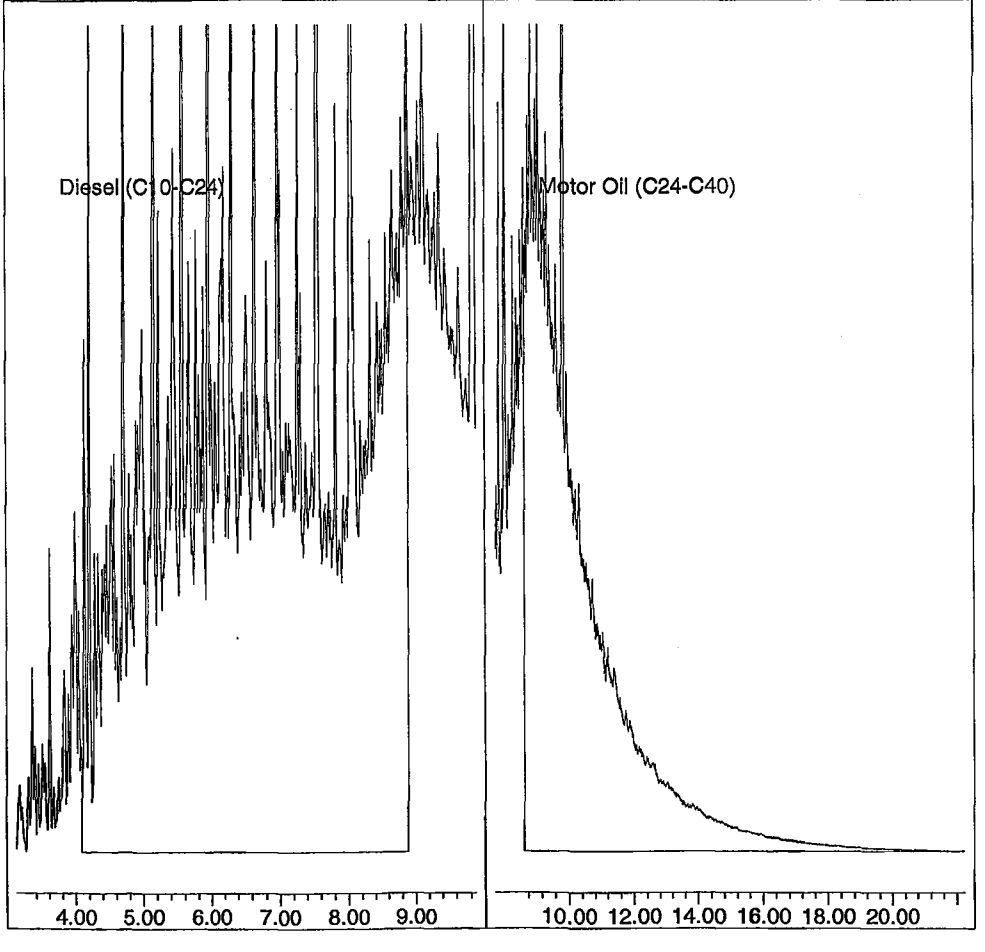
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
3) SA Ortho-Terphenyl(S)	7.54	435798382	69.672	ppb
Surrogate Spike 30.000	Recovery =		232.24%	
4) SA Octacosane(S)	9.84	325688048	72.009	ppb
Surrogate Spike 30.000	Recovery =		240.03%	
Target Compounds				
1) HATM Diesel (C10-C24)	6.49	7163144090	1423.140	ppb
2) HBTM Motor Oil (C24-C40)	14.96	5028351305	1472.405	ppb

Target Compounds

Data File: G:\APOLLO\DATA\211028\1028008.D
Sample : DMO STD 6 10/28/21





Quantitation Report (Not Reviewed)

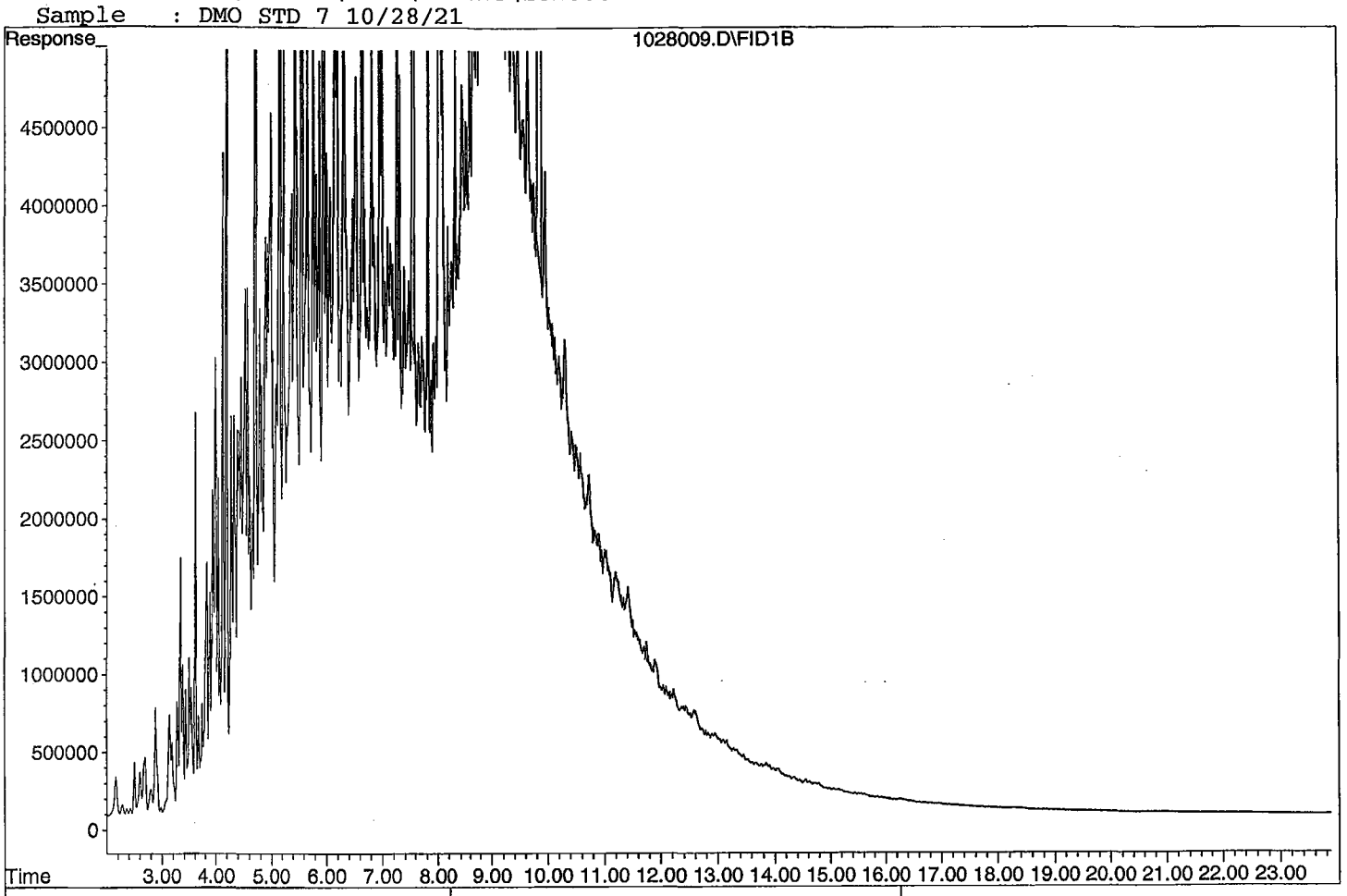
Data File : G:\APOLLO\DATA\211028\1028009.D Vial: 9
Acq On : 10-28-21 12:08:10 Operator: KA
Sample : DMO STD 7 10/28/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 28 15:39 2021 Quant Results File: DOC1028.RES

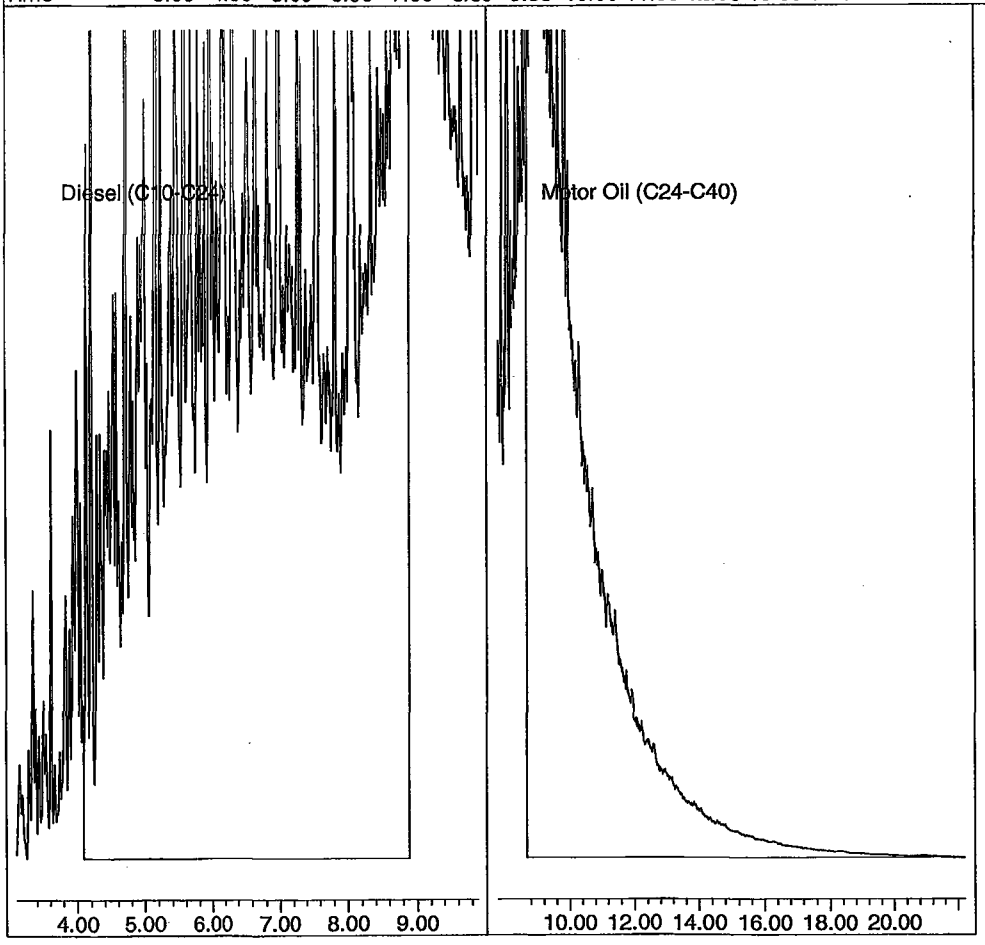
Method : G:\APOLLO\DATA\211028\DOC1028.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Oct 28 15:39:11 2021
Response via : Multiple Level Calibration

Volume 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	617758709	98.762	ppb
Surrogate Spike 30.000		Recovery =	329.21%	
4) SA Octacosane(S)	9.85	457331573	101.116	ppb
Surrogate Spike 30.000		Recovery =	337.05%	
Target Compounds				
1) HATM Diesel (C10-C24)	6.49	10255165539	2037.448	ppb
2) HBTM Motor Oil (C24-C40)	14.96	6914631831	2028.526	ppb
Target Compounds				

Data File: G:\APOLLO\DATA\211028\1028009.D
Sample : DMO STD 7 10/28/21





TPH Extractables
DOC1028

Form 7

Second Source Calibration

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

SDG No:
Date Analyzed: 10/28/2021
Instrument: Apollo
Initial Cal. Date: 10/28/2021
Data File: 1028010.D

		Compound	MEAN	CCRF	%D		%Drift
1	HATM	Diesel (C10-C24)	2516670	2266400	9.9	HATM	
2	HBTM	Motor Oil (C24-C40)	2492040	1663520	33	HBTML	5.9
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		Average			21.5		

Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\211028\1028010.D Vial: 10
Acq On : 10-28-21 12:36:26 Operator: KA
Sample : DMO Second Source 10/28/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 28 15:39 2021 Quant Results File: DOC1028.RES

Method : G:\APOLLO\DATA\211028\DOC1028.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Oct 28 15:39:11 2021
Response via : Multiple Level Calibration

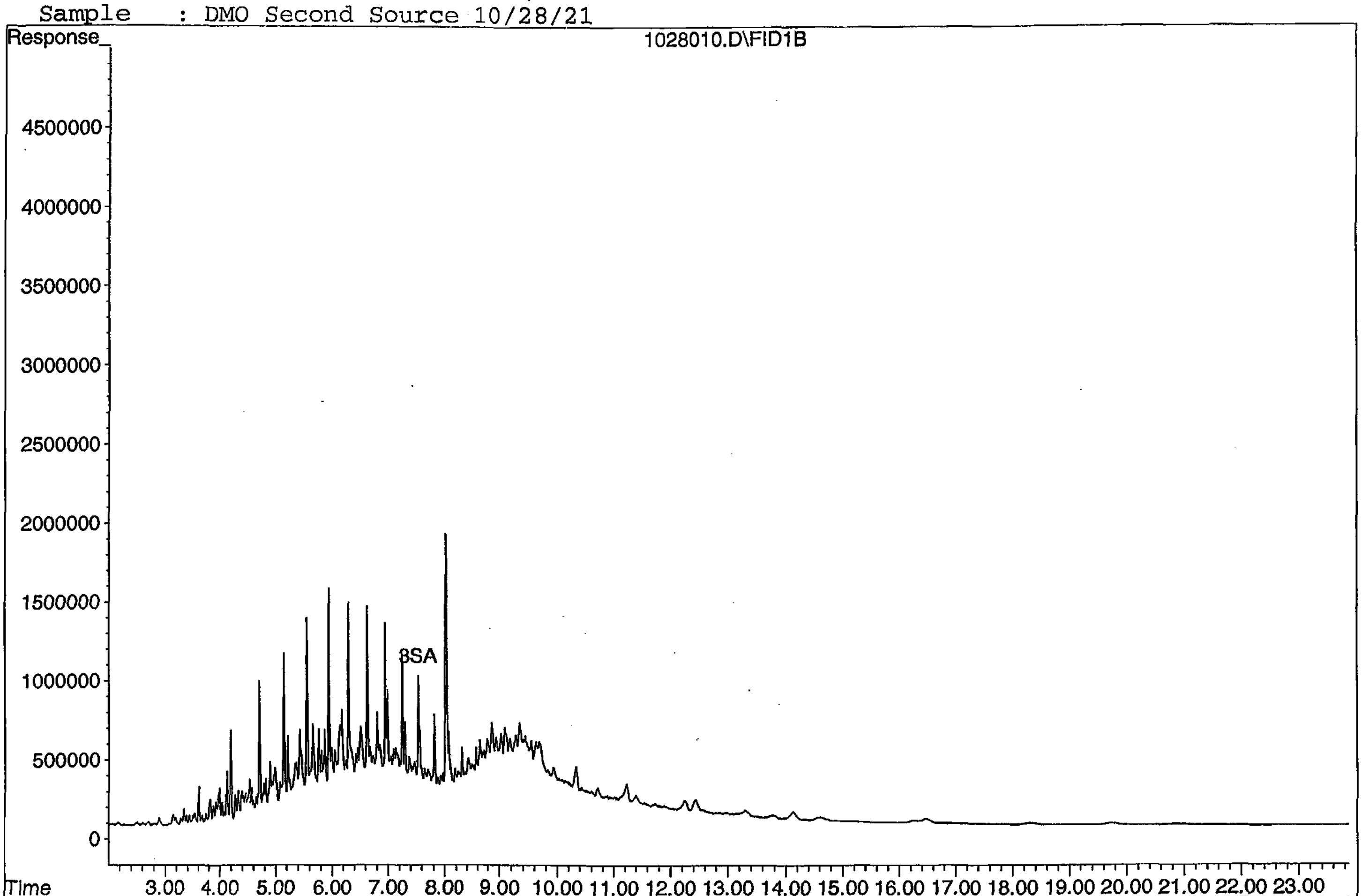
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

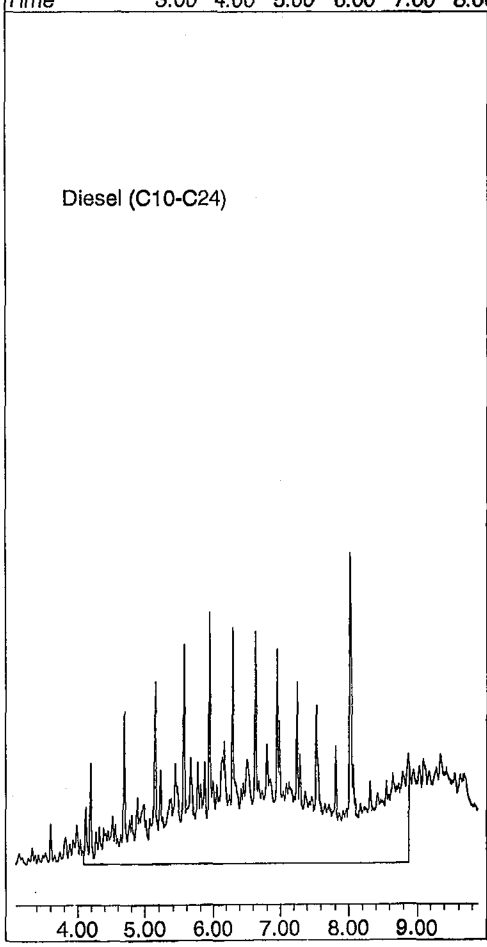
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.53	4250105	0.679 ppb
Surrogate Spike 30.000	Recovery	=	2.26%
4) SA Octacosane(S)	9.83	-3553	N.D. ppb
Surrogate Spike 30.000	Recovery	=	0.00%
Target Compounds			
1) HATM Diesel (C10-C24)	6.49	1133202337	225.139 ppb
2) HBTM Motor Oil (C24-C40)	14.96	831758038	235.148 ppb
Target Compounds			

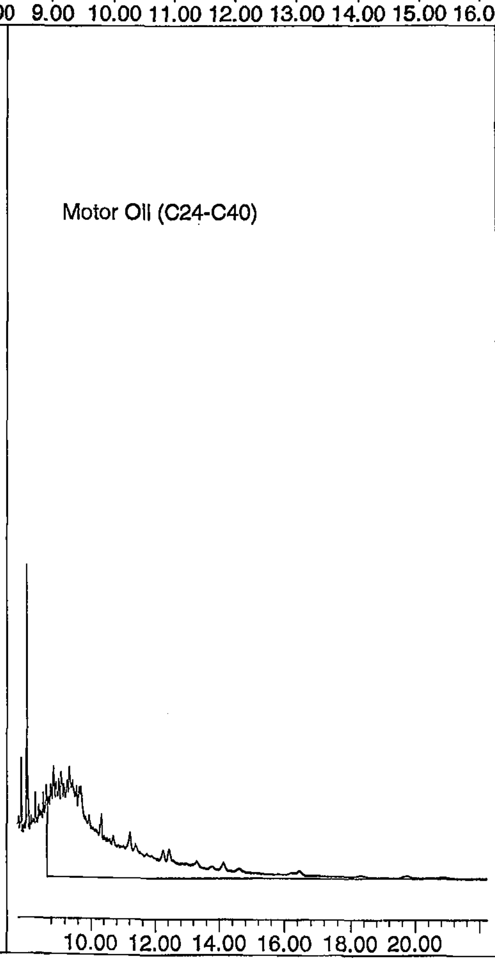
(f)=RT Delta > 1/2 Window (m)=manual int.

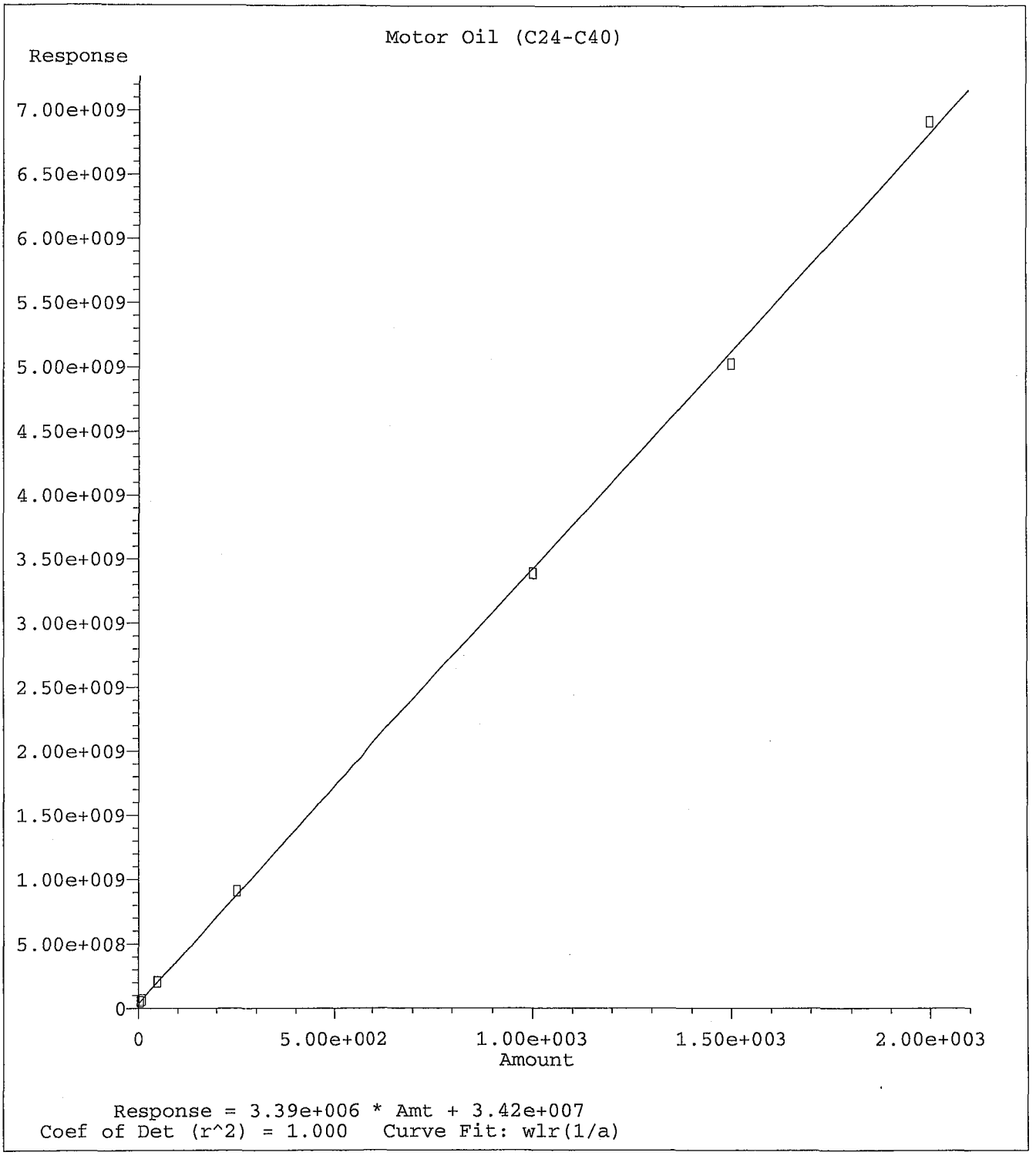
Quantitation Report

Data File: G:\APOLLO\DATA\211028\1028010.D
Sample : DMO Second Source 10/28/21









Method Name: G:\APOLLO\DATA\211028\DOC1028.M
Calibration Table Last Updated: Thu Oct 28 15:37:06 2021

TPH Extractables
DOC1028

Form 7

Continuing Calibration

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

SDG No:
Date Analyzed: 10/29/2021
Instrument: Apollo
Initial Cal. Date: 10/28/2021
Data File: 1028043.D

		Compound	MEAN	CCRF	%D	%Drift	
1	HATM	Diesel (C10-C24)	2516670	2627520	4.4	HATM	
2	HBTM	Motor Oil (C24-C40)	2492040	1962080	21	HBTML	12
3	SA	Ortho-Terphenyl(S)	3127510	3281370	4.9	SA	
4	SA	Octacosane(S)	2261430	2393010	5.8	SA	
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		Average			9.0		

Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\211028\1028043.D Vial: 43
Acq On : 10-29-21 4:24:10 Operator: KA
Sample : DMO LVL4 CCV 10/27/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 30 7:19 2021 Quant Results File: DOC1028.RES

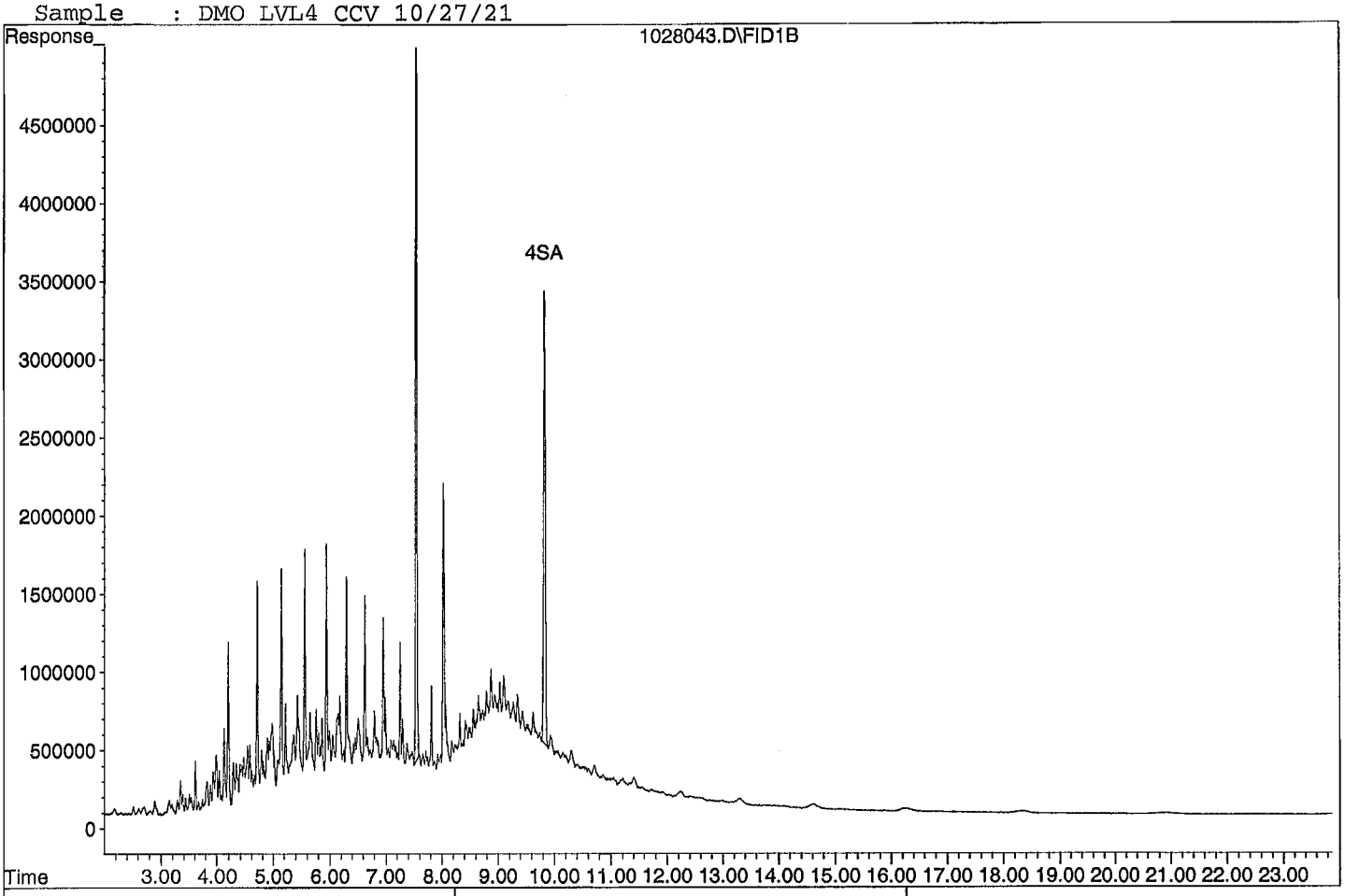
Method : G:\APOLLO\DATA\211028\DOC1028.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Nov 18 13:26:01 2021
Response via : Multiple Level Calibration

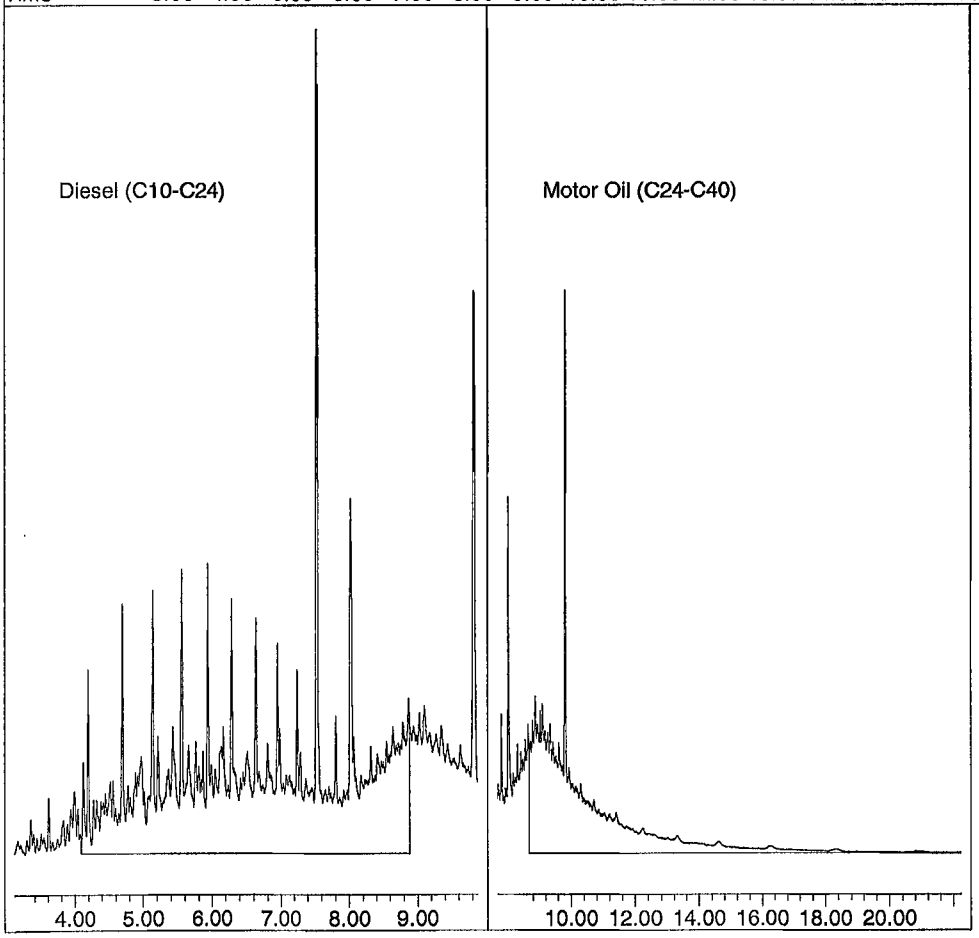
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.53	82034252	13.115 ppb
Surrogate Spike 30.000	Recovery =		43.72%
4) SA Octacosane(S)	9.82	59825175	13.227 ppb
Surrogate Spike 30.000	Recovery =		44.09%
Target Compounds			
1) HATM Diesel (C10-C24)	6.49	1313758948	261.011 ppb
2) HBTM Motor Oil (C24-C40)	14.96	981040049	279.160 ppb
Target Compounds			

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

Data File: G:\APOLLO\DATA\211028\1028043.D
Sample : DMO LVL4 CCV 10/27/21





TPH Extractables
DOC1028

Form 7

Continuing Calibration

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

SDG No:
Date Analyzed: 10/29/2021
Instrument: Apollo
Initial Cal. Date: 10/28/2021
Data File: 1028056.D

		Compound	MEAN	CCRF	%D	%Drift	
1	HATM	Diesel (C10-C24)	2516670	2559460	1.7	HATM	
2	HBTM	Motor Oil (C24-C40)	2492040	1851590	26	HBTML	5.1
3	SA	Ortho-Terphenyl(S)	3127510	3179000	1.6	SA	
4	SA	Octacosane(S)	2261430	2336140	3.3	SA	
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		Average			8.2		

Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\211028\1028056.D Vial: 56
Acq On : 10-29-21 10:29:10 Operator: KA
Sample : DMO LVL4 CCV 10/27/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 30 7:20 2021 Quant Results File: DOC1028.RES

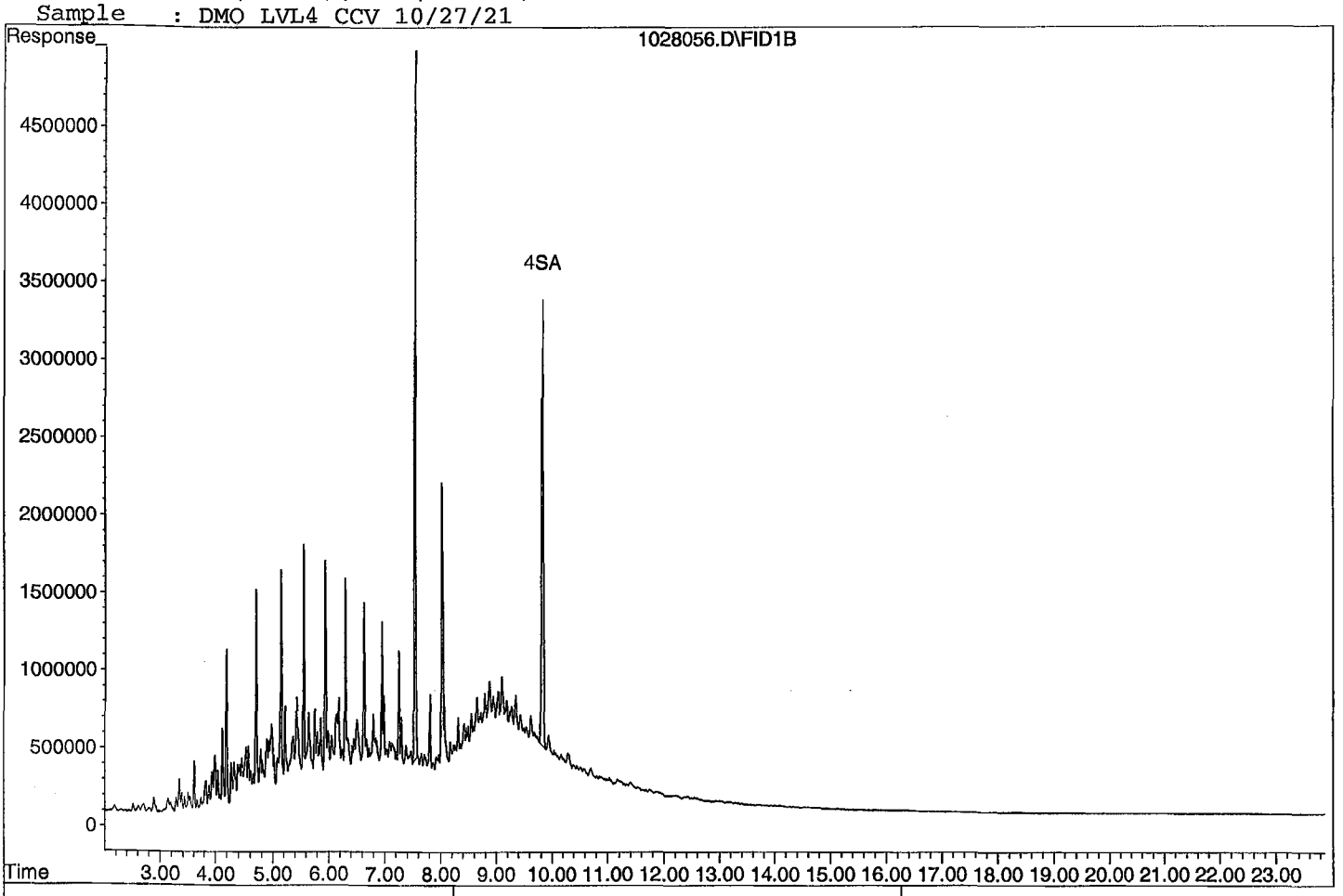
Method : G:\APOLLO\DATA\211028\DOC1028.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Nov 18 13:26:01 2021
Response via : Multiple Level Calibration

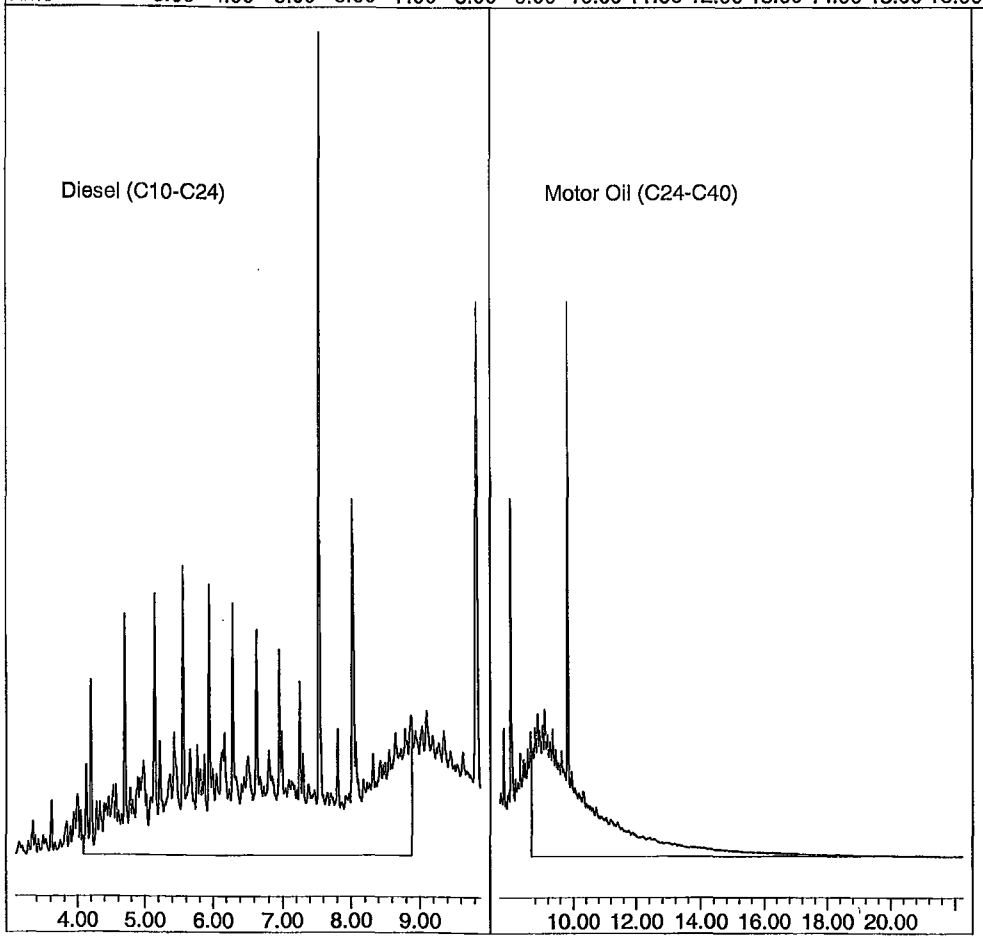
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.53	79475032	12.706 ppb
Surrogate Spike 30.000	Recovery =		42.35%
4) SA Octacosane(S)	9.82	58403511	12.913 ppb
Surrogate Spike 30.000	Recovery =		43.04%
Target Compounds			
1) HATM Diesel (C10-C24)	6.49	1279732215	254.251 ppb
2) HBTM Motor Oil (C24-C40)	14.96	925797150	262.873 ppb
Target Compounds			

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

Data File: G:\APOLLO\DATA\211028\1028056.D
Sample : DMO LVL4 CCV 10/27/21





TPH Extractables
DOC1028

Form 7

Continuing Calibration

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

SDG No:
Date Analyzed: 11/6/2021
Instrument: Apollo
Initial Cal. Date: 10/28/2021
Data File: 1104107.D

		Compound	MEAN	CCRF	%D	%Drift	
1	HATM	Diesel (C10-C24)	2516670	2509710	0.28	HATM	
2	HBTM	Motor Oil (C24-C40)	2492040	1792710	28	HBTML	1.7
3	SA	Ortho-Terphenyl(S)	3127510	3094450	1.1	SA	
4	SA	Octacosane(S)	2261430	2255590	0.26	SA	
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		Average			7.4		

Quantitation Report (Not Reviewed)

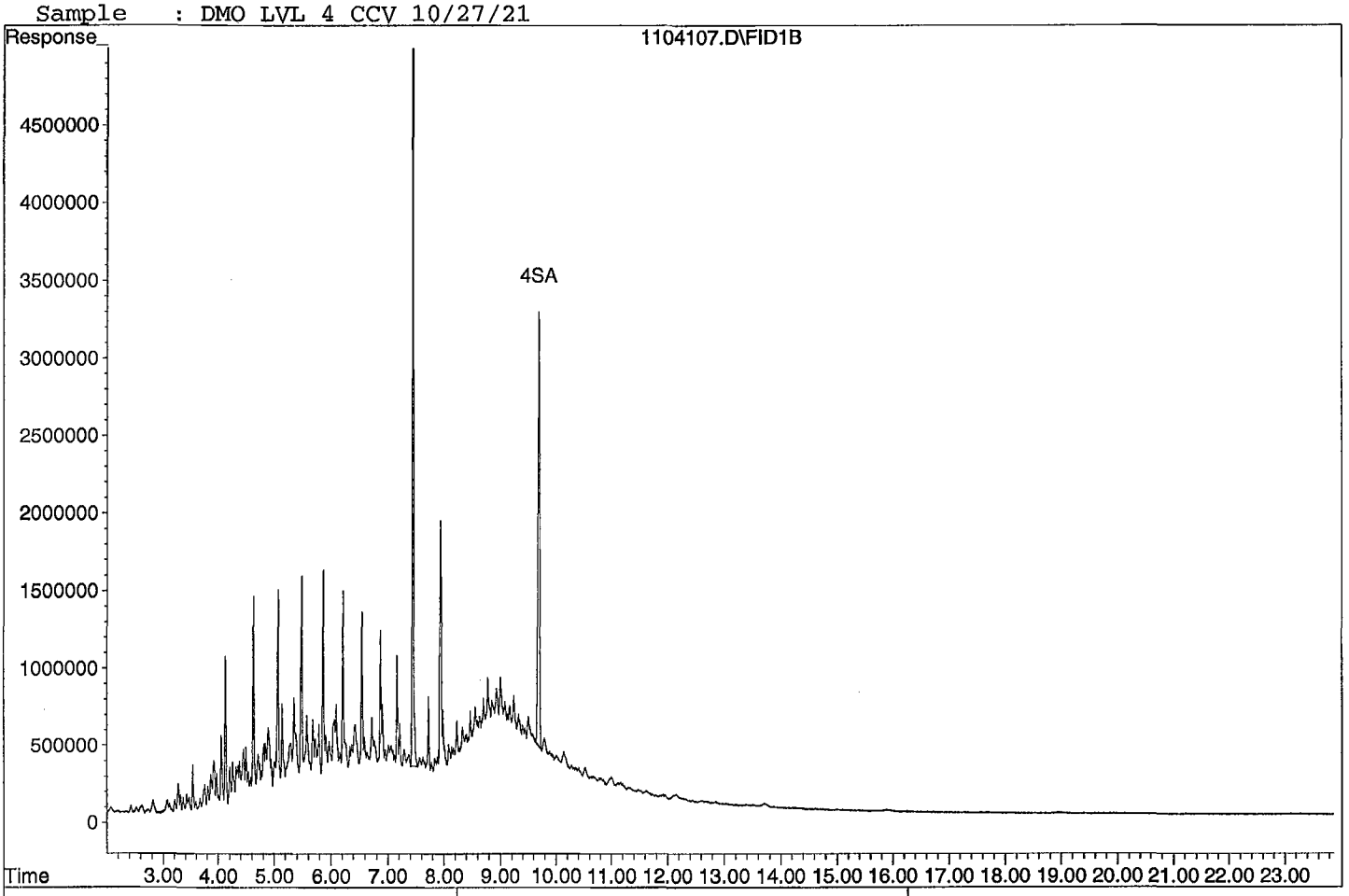
Data File : G:\APOLLO\DATA\211104\1104107.D Vial: 7
Acq On : 11-6-21 16:14:23 Operator: KA
Sample : DMO LVL 4 CCV 10/27/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Nov 8 9:17 2021 Quant Results File: DOC1028.RES

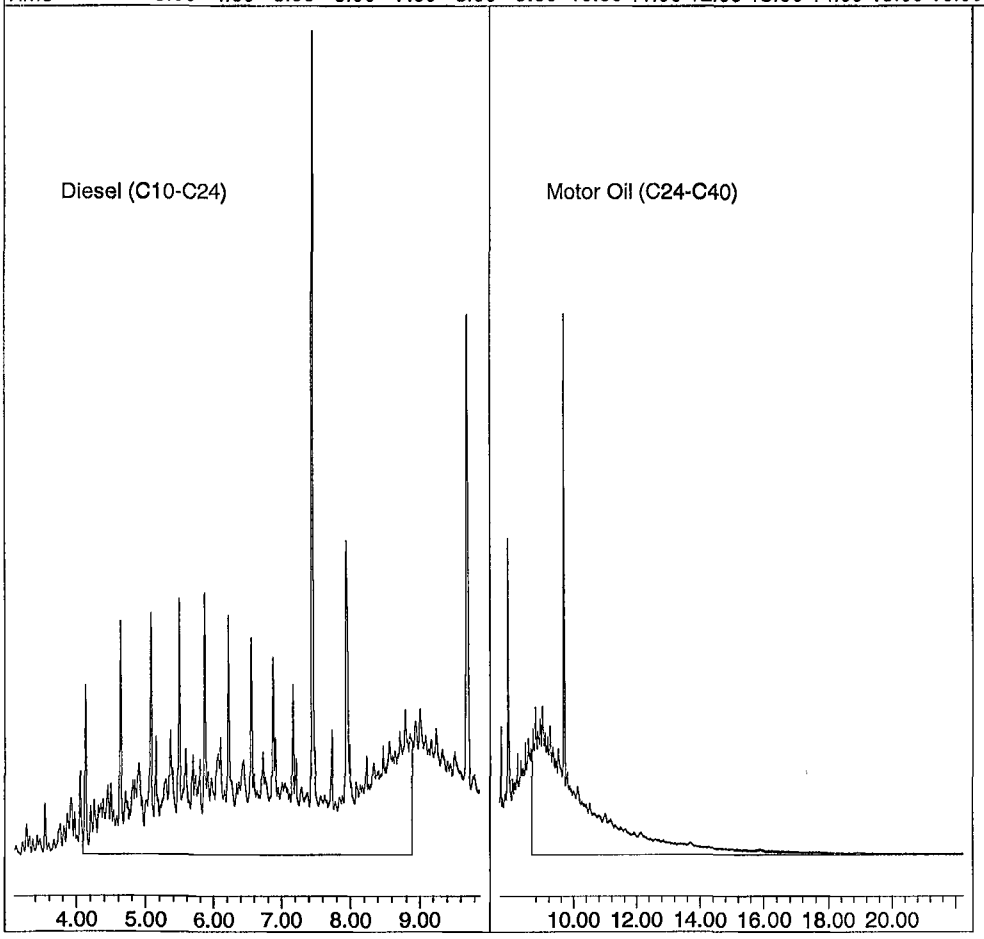
Method : G:\APOLLO\DATA\211028\DOC1028.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Nov 18 13:26:01 2021
Response via : Multiple Level Calibration

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

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.45	77361222	12.368 ppb
Surrogate Spike 30.000	Recovery =		41.23%
4) SA Octacosane(S)	9.69	56389728	12.468 ppb
Surrogate Spike 30.000	Recovery =		41.56%
Target Compounds			
1) HATM Diesel (C10-C24)	6.49	1254854455	249.309 ppb
2) HBTM Motor Oil (C24-C40)	14.96	896357092	254.193 ppb
Target Compounds			

Data File: G:\APOLLO\DATA\211104\1104107.D
Sample : DMO LVL 4 CCV 10/27/21





TPH Extractables
DOC1028

Form 7
Continuing Calibration

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

SDG No:
Date Analyzed: 11/7/2021
Instrument: Apollo
Initial Cal. Date: 10/28/2021
Data File: 1104128.D

		Compound	MEAN	CCRF	%D	%Drift	
1	HATM	Diesel (C10-C24)	2516670	2487730	1.1	HATM	
2	HBTM	Motor Oil (C24-C40)	2492040	1792060	28	HBTML	1.6
3	SA	Ortho-Terphenyl(S)	3127510	2670060	15	SA	
4	SA	Octacosane(S)	2261430	2231570	1.3	SA	
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40							
		Average			11.4		

Quantitation Report (Not Reviewed)

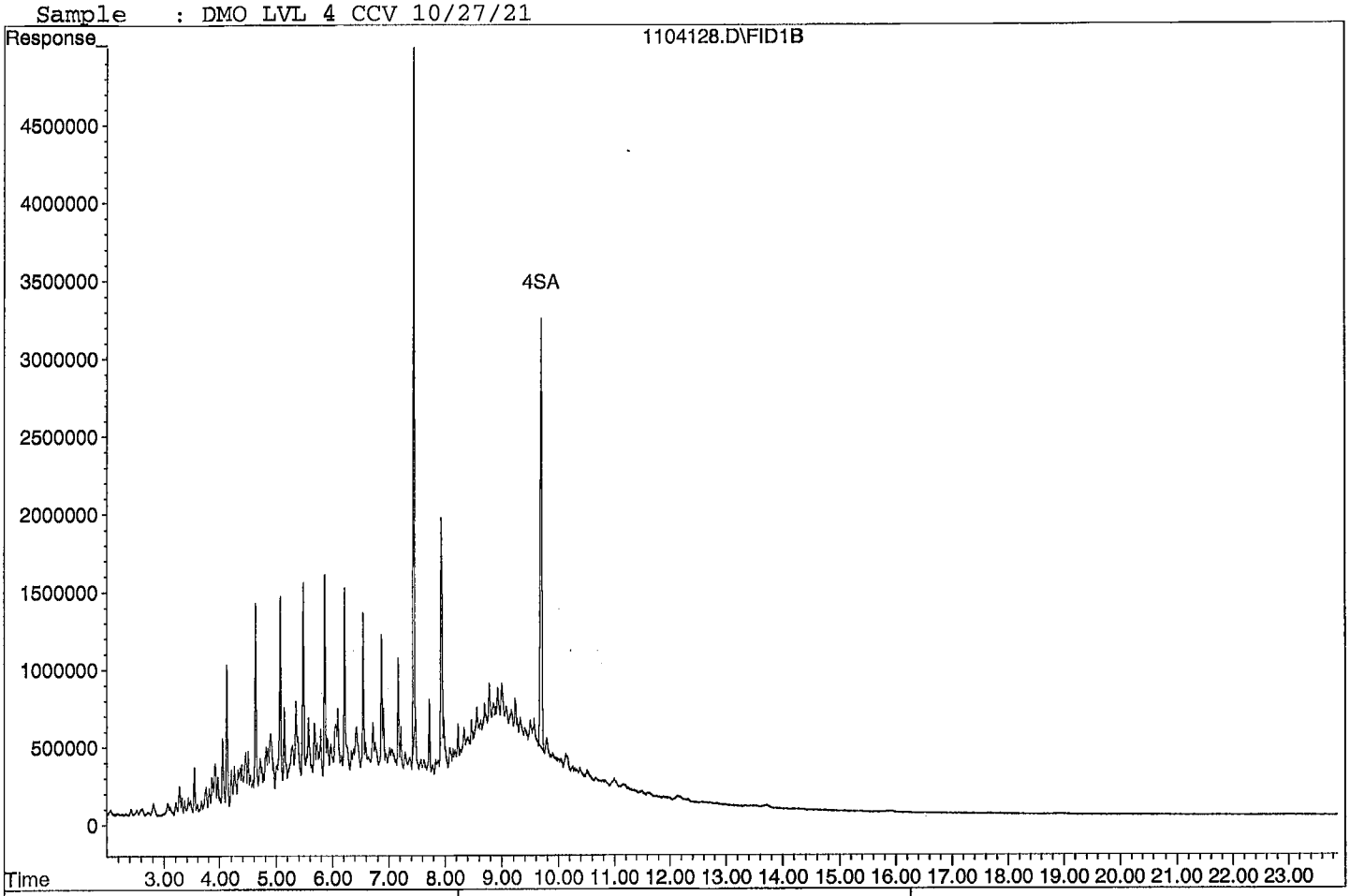
Data File : G:\APOLLO\DATA\211104\1104128.D Vial: 28
Acq On : 11-7-21 1:05:19 Operator: KA
Sample : DMO LVL 4 CCV 10/27/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Nov 8 9:18 2021 Quant Results File: DOC1028.RES

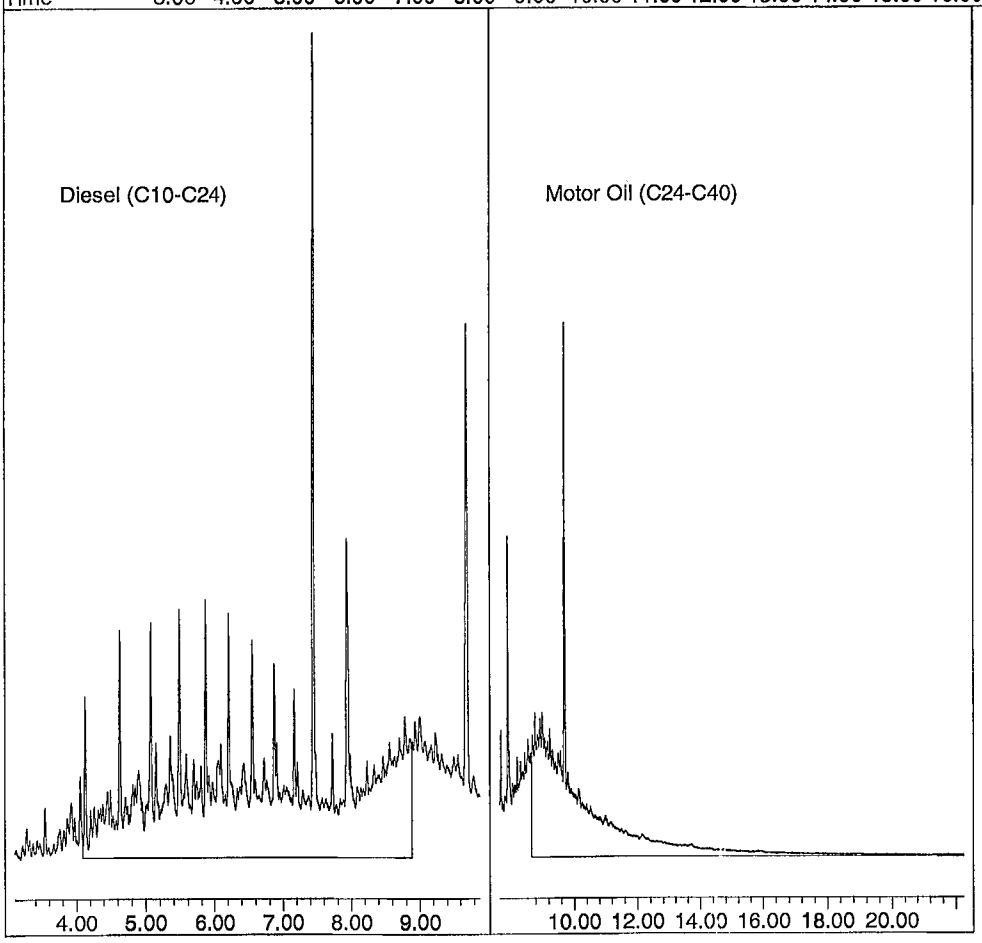
Method : G:\APOLLO\DATA\211028\DOC1028.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Nov 18 13:26:01 2021
Response via : Multiple Level Calibration

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

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.44	66751618	10.672 ppb
Surrogate Spike 30.000		Recovery =	35.57%
4) SA Octacosane(S)	9.69	55789301	12.335 ppb
Surrogate Spike 30.000		Recovery =	41.12%
Target Compounds			
1) HATM Diesel (C10-C24)	6.49	1243865820	247.125 ppb
2) HBTM Motor Oil (C24-C40)	14.96	896028134	254.096 ppb
Target Compounds			

Data File: G:\APOLLO\DATA\211104\1104128.D
Sample : DMO LVL 4 CCV 10/27/21





ORGANICS
Raw Data

Quantitation Report (QT Reviewed)

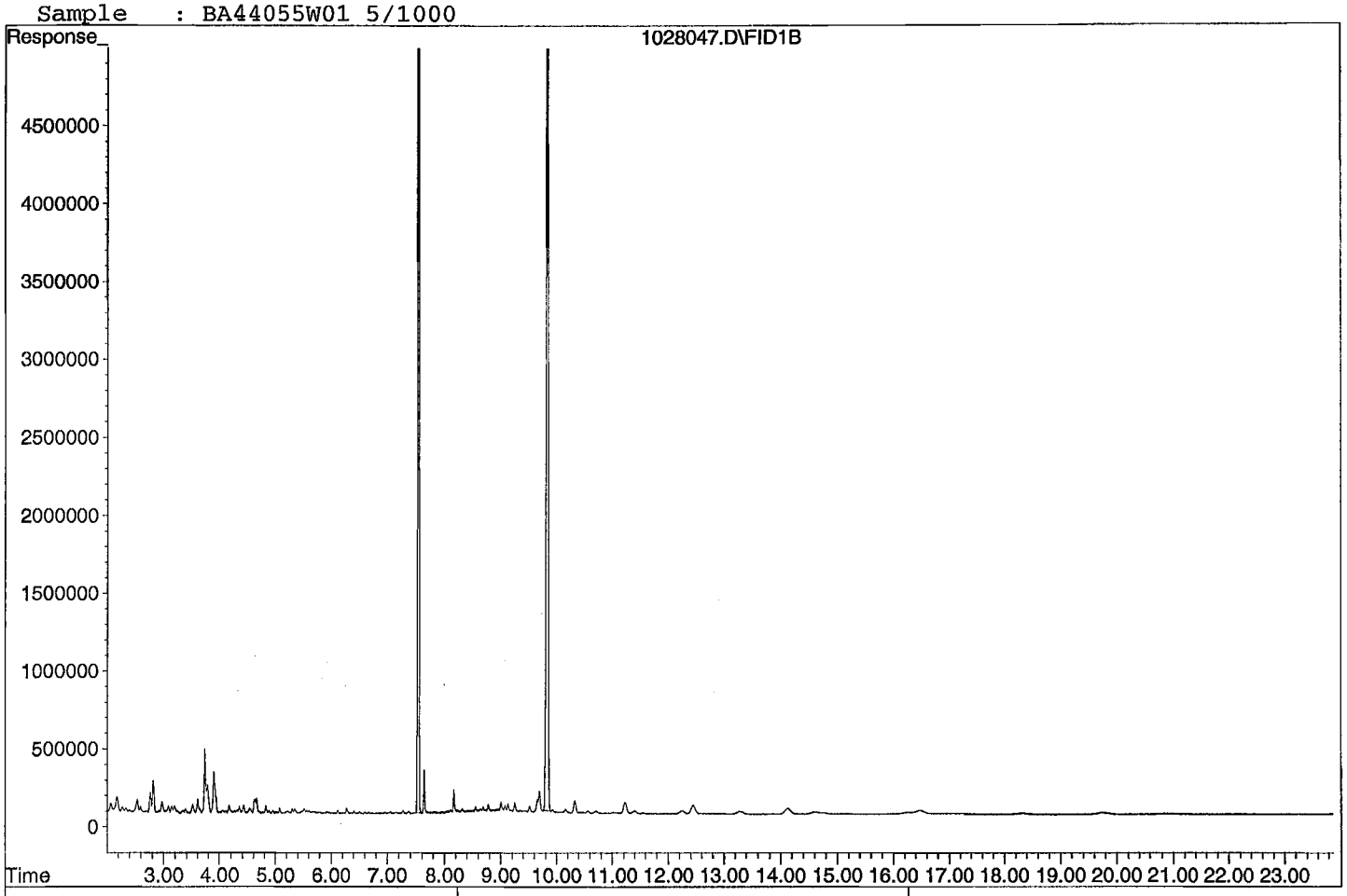
Data File : G:\APOLLO\DATA\211028\1028047.D Vial: 47
Acq On : 10-29-21 6:16:26 Operator: KA
Sample : BA44055W01 5/1000 Inst : Apollo
Misc : water Multiplr: 5.00
IntFile : events.e
Quant Time: Nov 1 11:31 2021 Quant Results File: DOC1028.RES

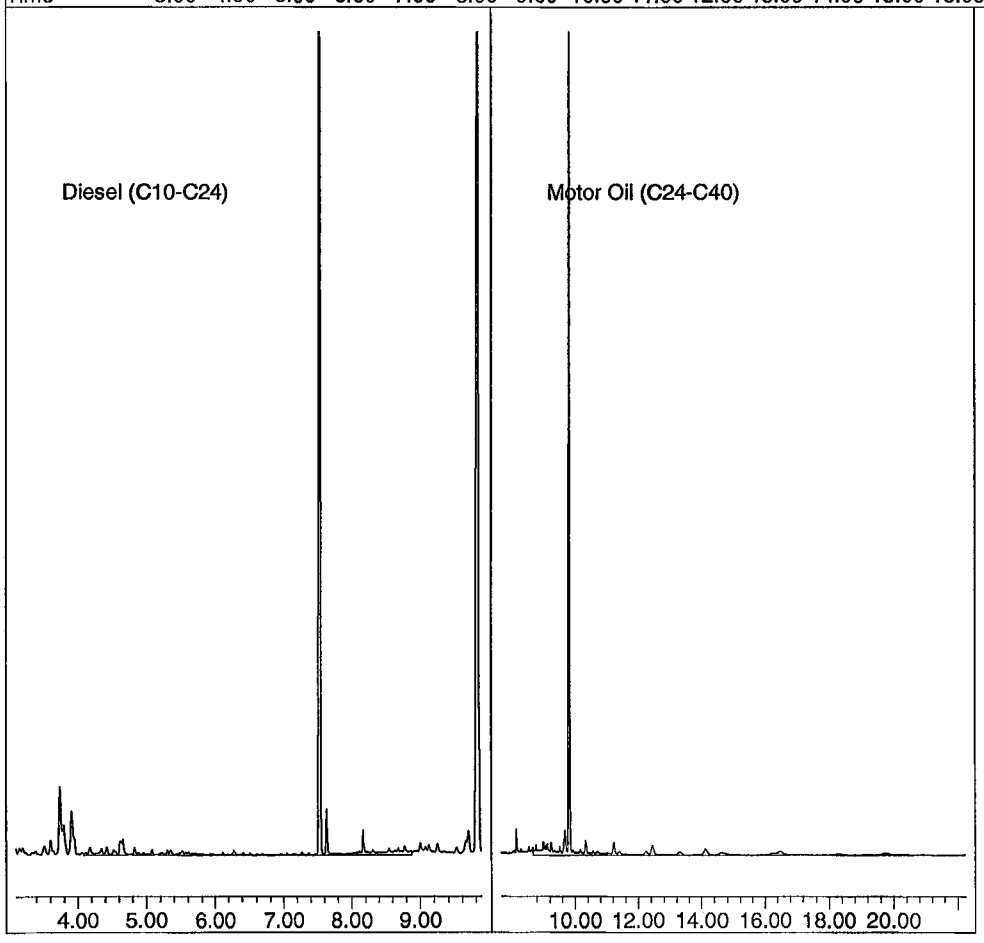
Method : G:\APOLLO\DATA\211028\DOC1028.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Nov 18 13:26:01 2021
Response via : Multiple Level Calibration

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

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.53	149018949	119.120 ppb
Surrogate Spike 150.000		Recovery =	79.41%
4) SA Octacosane(S)	9.83	129695717	143.378 ppb
Surrogate Spike 150.000		Recovery =	95.59%
Target Compounds			
1) HATM Diesel (C10-C24)	6.49	40378304	40.111 ppb
2) HBTM Motor Oil (C24-C40)	14.96	82471109	71.200 ppb
Target Compounds			

Data File: G:\APOLLO\DATA\211028\1028047.D
Sample : BA44055W01 5/1000





Quantitation Report (QT Reviewed)

Data File : G:\APOLLO\DATA\211104\1104114.D Vial: 14
Acq On : 11-6-21 19:32:05 Operator: KA
Sample : BA44055W01 5/1000 Inst : Apollo
Misc : water Multiplr: 5.00
IntFile : events.e
Quant Time: Nov 10 17:24 2021 Quant Results File: DOC1028.RES

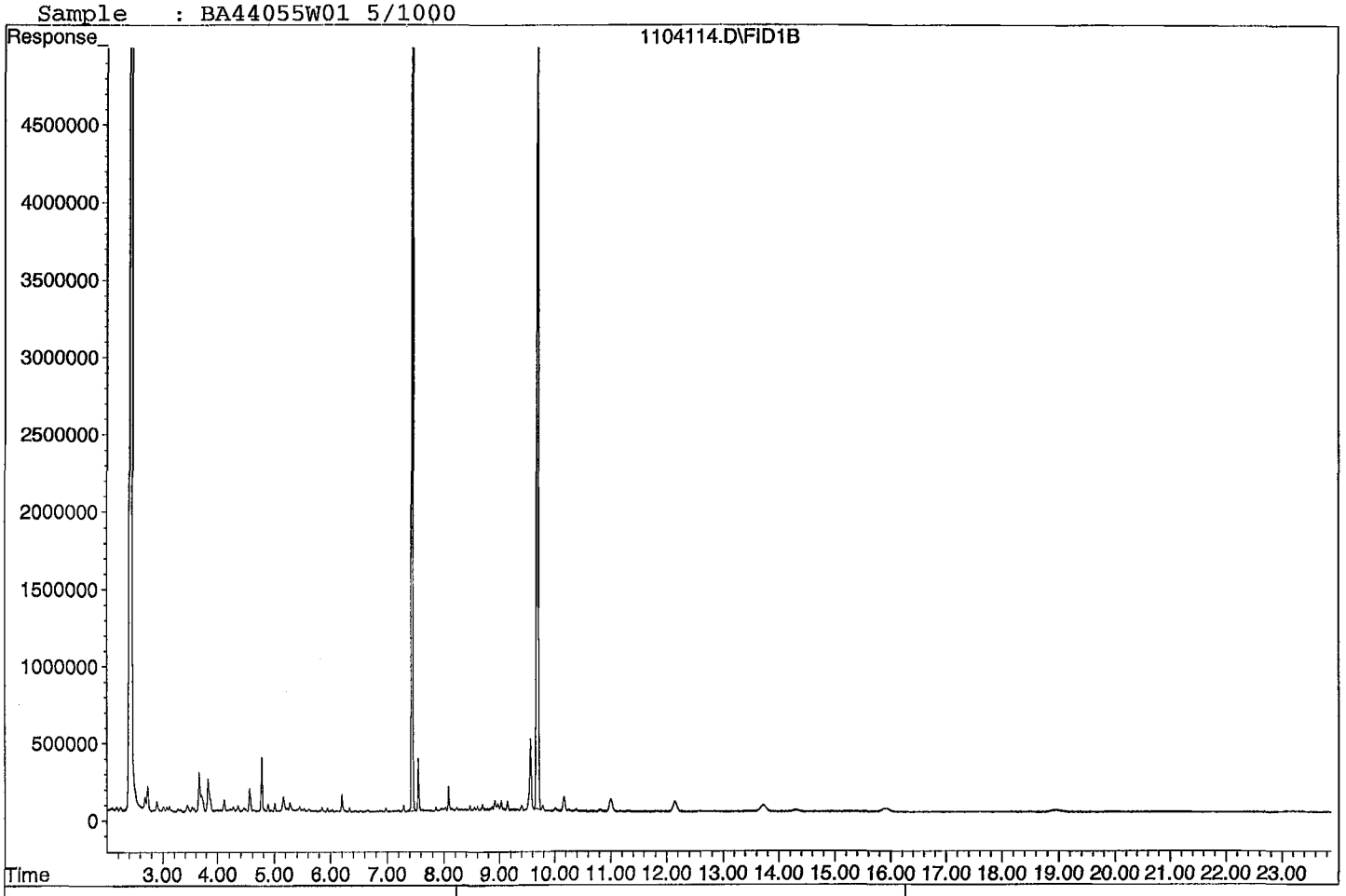
Method : G:\APOLLO\DATA\211028\DOC1028.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Nov 18 13:26:01 2021
Response via : Multiple Level Calibration

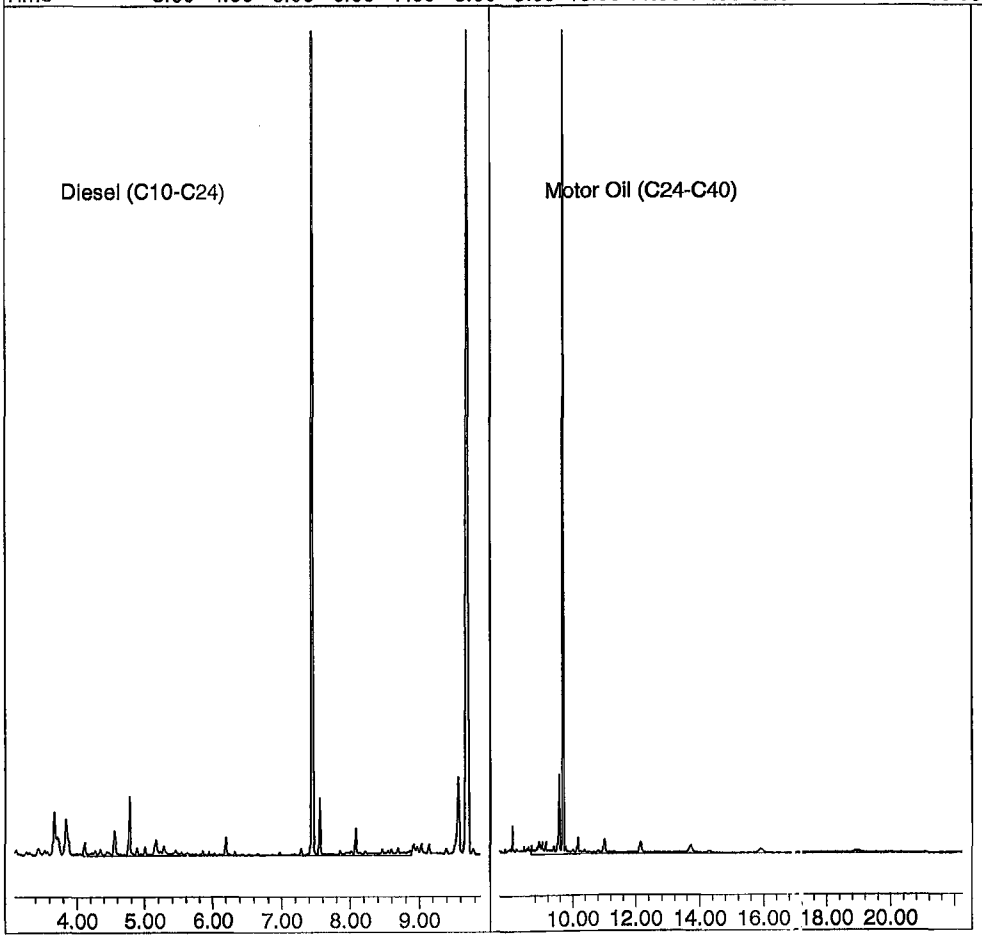
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.45	123570779	98.777 ppb
Surrogate Spike 150.000		Recovery =	65.85%
4) SA Octacosane(S)	9.69	109346009	120.882 ppb
Surrogate Spike 150.000		Recovery =	80.59%
Target Compounds			
1) HATM Diesel (C10-C24)	6.49	53537321	53.183 ppb
2) HBTM Motor Oil (C24-C40)	14.96	90877719	83.592 ppb

Target Compounds

Data File: G:\APOLLO\DATA\211104\1104114.D
Sample : BA44055W01 5/1000





Quantitation Report (QT Reviewed)

Data File : G:\APOLLO\DATA\211028\1028048.D Vial: 48
Acq On : 10-29-21 6:44:29 Operator: KA
Sample : BA44056W01 5/1000 Inst : Apollo
Misc : water Multiplr: 5.00
IntFile : events.e
Quant Time: Nov 1 11:31 2021 Quant Results File: DOC1028.RES

Method : G:\APOLLO\DATA\211028\DOC1028.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Nov 18 13:26:01 2021
Response via : Multiple Level Calibration

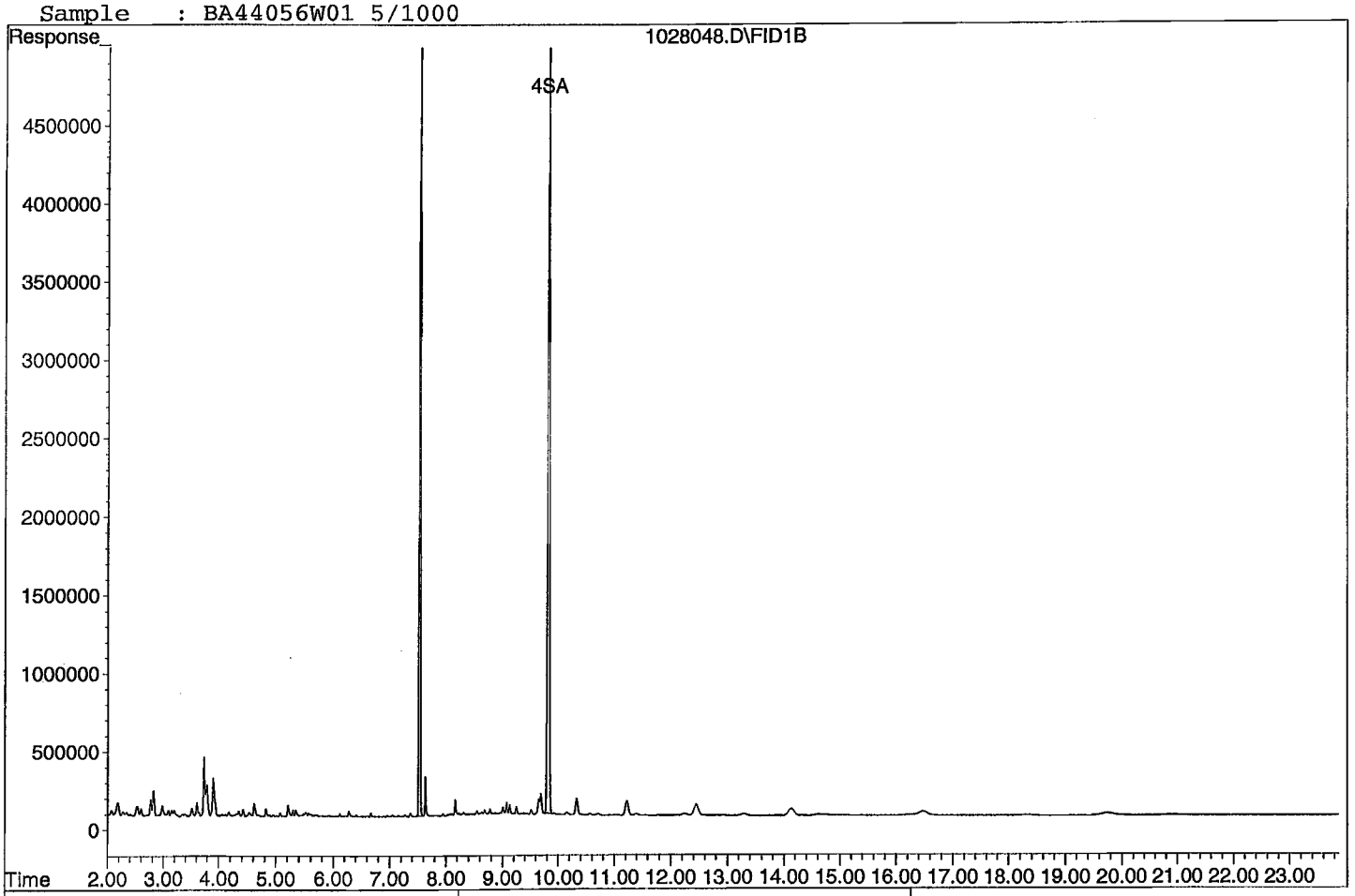
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

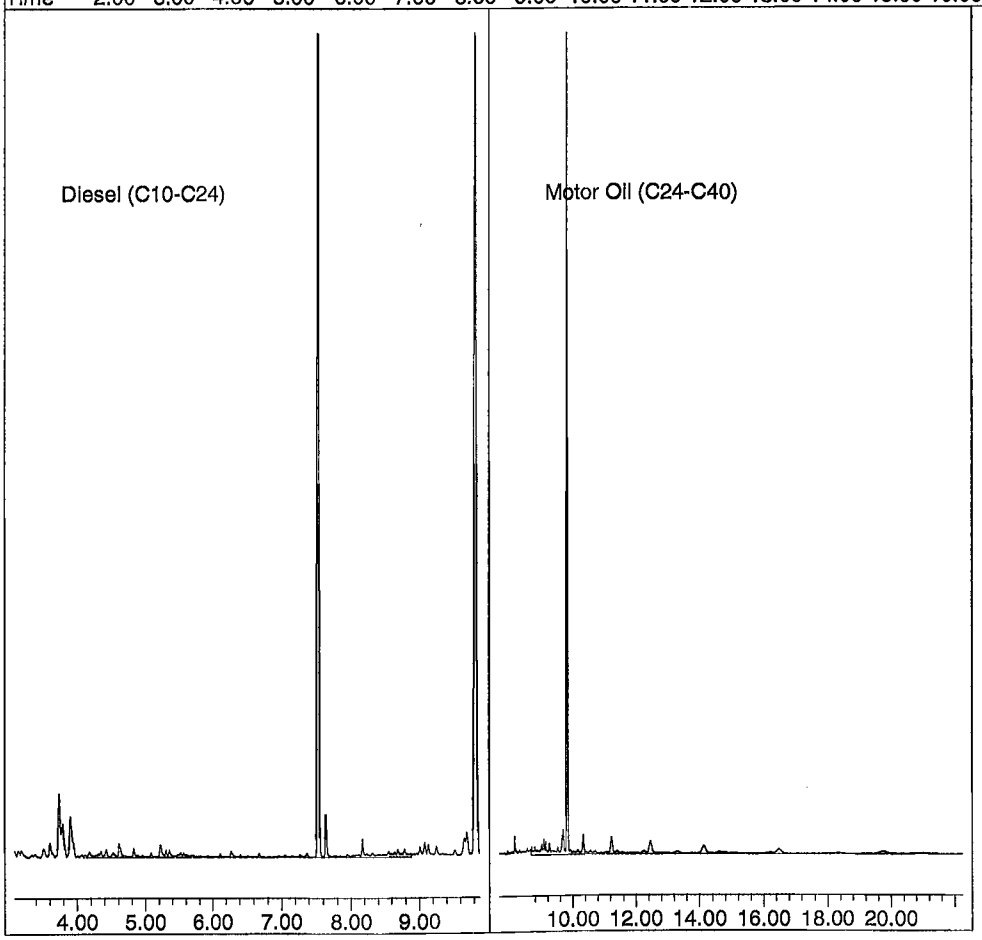
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.53	123324675	98.581 ppb
Surrogate Spike 150.000		Recovery =	65.72%
4) SA Octacosane(S)	9.82	106841879	118.113 ppb
Surrogate Spike 150.000		Recovery =	78.74%
Target Compounds			
1) HATM Diesel (C10-C24)	6.49	37420998	37.173 ppb
2) HBTM Motor Oil (C24-C40)	14.96	81137146	69.233 ppb

Target Compounds

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

Data File: G:\APOLLO\DATA\211028\1028048.D
Sample : BA44056W01 5/1000





Quantitation Report (QT Reviewed)

Data File : G:\APOLLO\DATA\211028\1028049.D Vial: 49
Acq On : 10-29-21 7:12:32 Operator: KA
Sample : BA44057W01 5/1000 Inst : Apollo
Misc : water Multiplr: 5.00
IntFile : events.e
Quant Time: Nov 1 11:31 2021 Quant Results File: DOC1028.RES

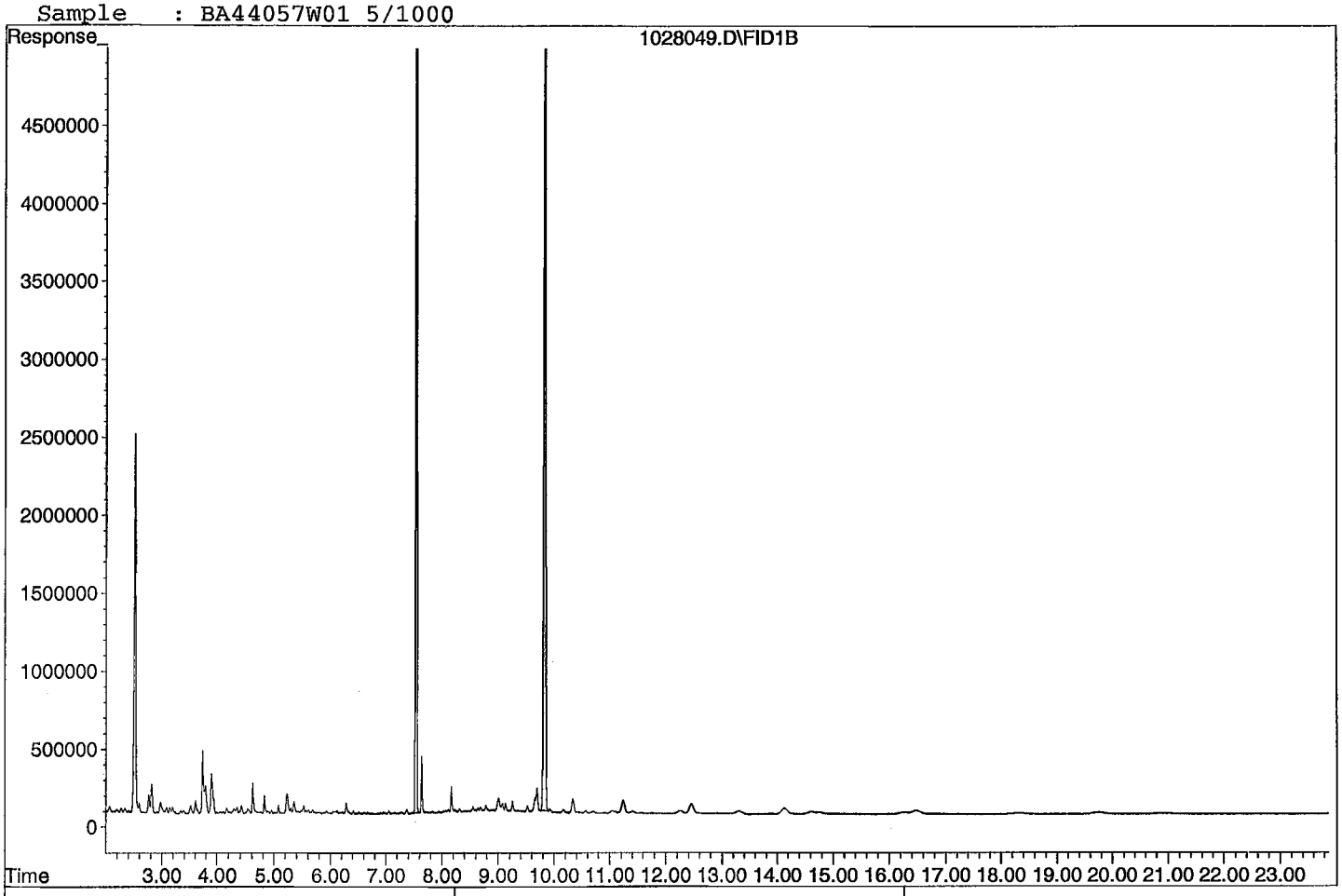
Method : G:\APOLLO\DATA\211028\DOC1028.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Nov 18 13:26:01 2021
Response via : Multiple Level Calibration

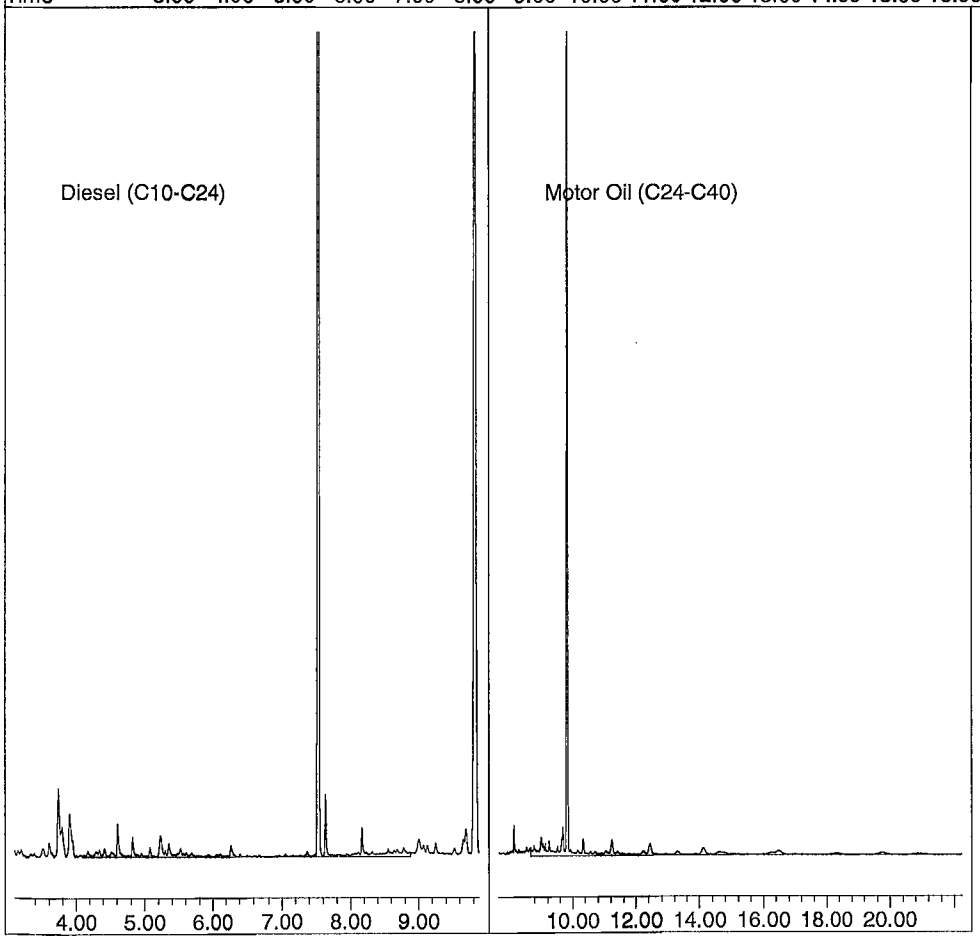
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.53	142401301	113.830 ppb
Surrogate Spike 150.000		Recovery =	75.89%
4) SA Octacosane(S)	9.82	123989175	137.070 ppb
Surrogate Spike 150.000		Recovery =	91.38%
Target Compounds			
1) HATM Diesel (C10-C24)	6.49	51589276	51.248 ppb
2) HBTM Motor Oil (C24-C40)	14.96	97237666	92.967 ppb
Target Compounds			

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

Data File: G:\APOLLO\DATA\211028\1028049.D
Sample : BA44057W01 5/1000





Quantitation Report (QT Reviewed)

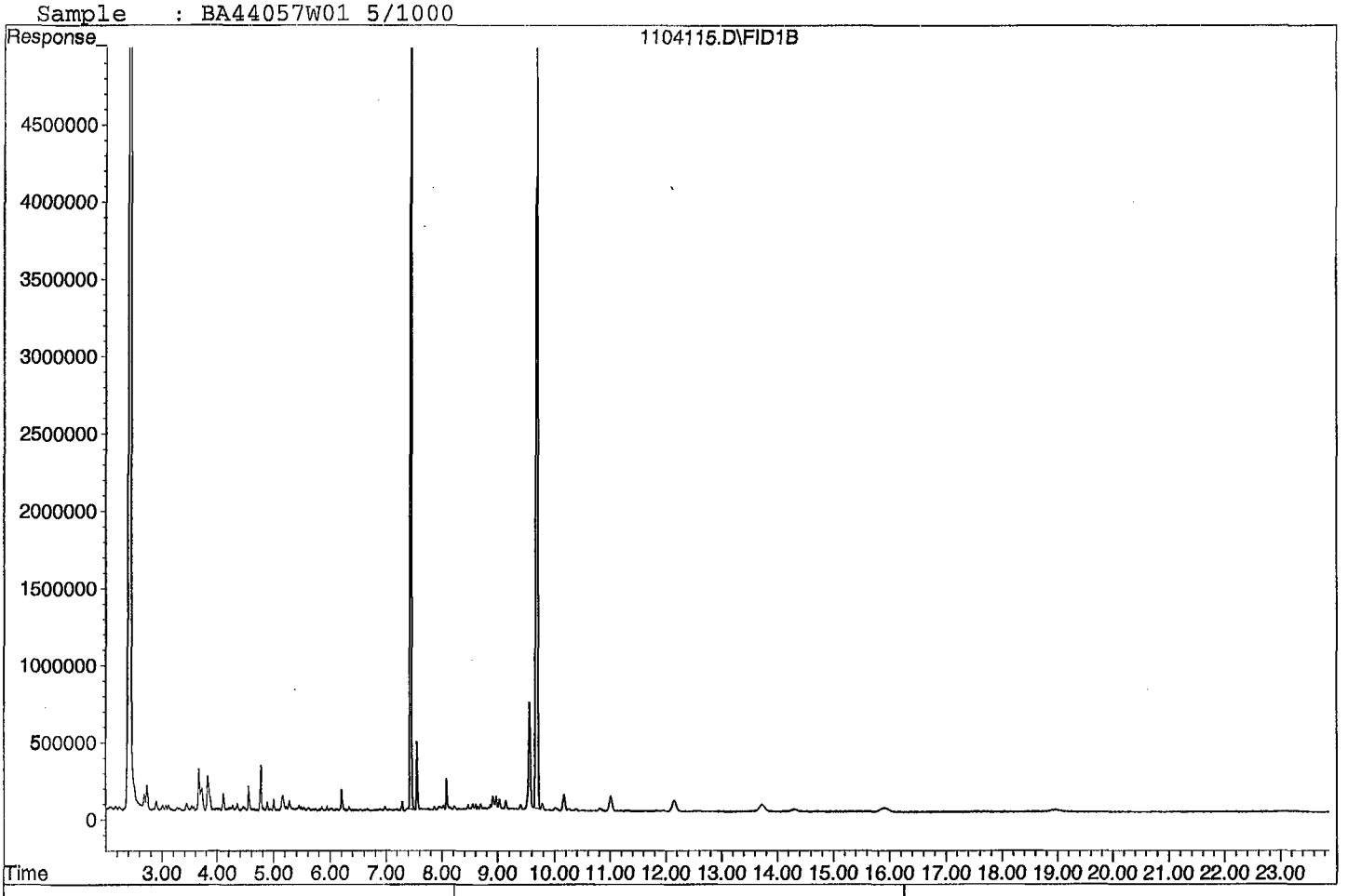
Data File : G:\APOLLO\DATA\211104\1104115.D Vial: 15
Acq On : 11-6-21 20:00:13 Operator: KA
Sample : BA44057W01 5/1000 Inst : Apollo
Misc : water Multiplr: 5.00
IntFile : events.e
Quant Time: Nov 10 17:24 2021 Quant Results File: DOC1028.RES

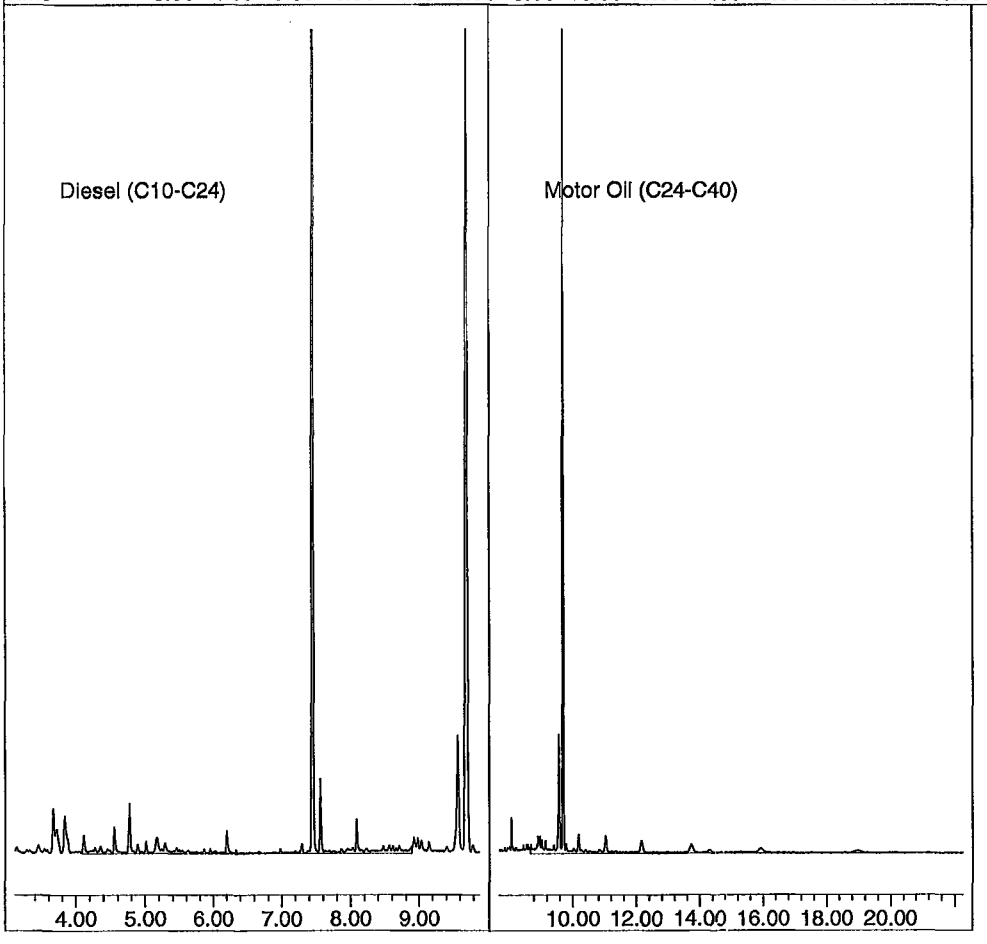
Method : G:\APOLLO\DATA\211028\DOC1028.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Nov 18 13:26:01 2021
Response via : Multiple Level Calibration

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

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.45	125097315	99.998 ppb
Surrogate Spike 150.000		Recovery =	66.67%
4) SA Octacosane(S)	9.69	111105970	122.827 ppb
Surrogate Spike 150.000		Recovery =	81.88%
Target Compounds			
1) HATM Diesel (C10-C24)	6.49	61535412	61.128 ppb
2) HBTM Motor Oil (C24-C40)	14.96	103526775	102.238 ppb
Target Compounds			

Data File: G:\APOLLO\DATA\211104\1104115.D
Sample : BA44057W01 5/1000





Quantitation Report (QT Reviewed)

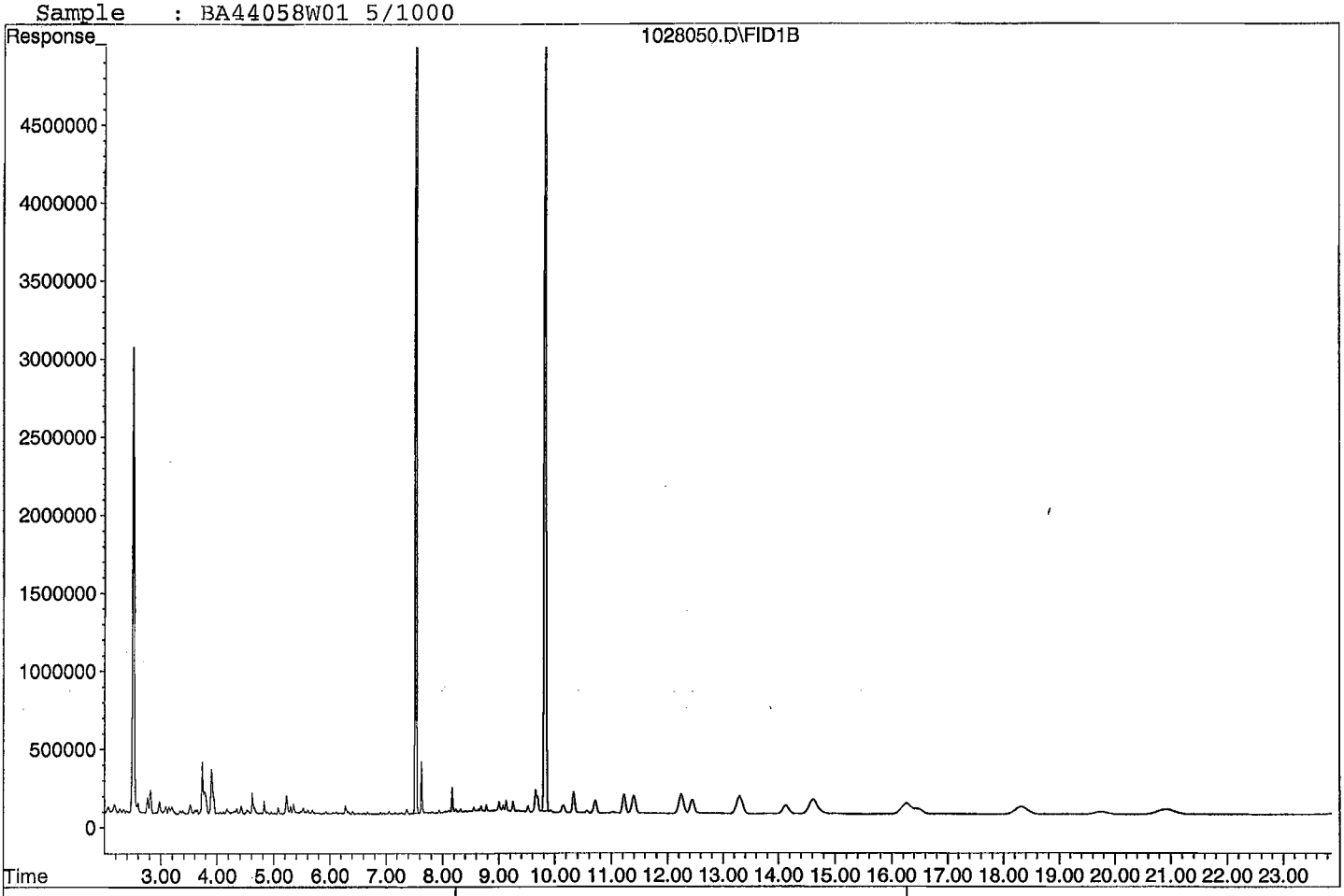
Data File : G:\APOLLO\DATA\211028\1028050.D Vial: 50
Acq On : 10-29-21 7:40:37 Operator: KA
Sample : BA44058W01 5/1000 Inst : Apollo
Misc : water Multiplr: 5.00
IntFile : events.e
Quant Time: Nov 1 11:31 2021 Quant Results File: DOC1028.RES

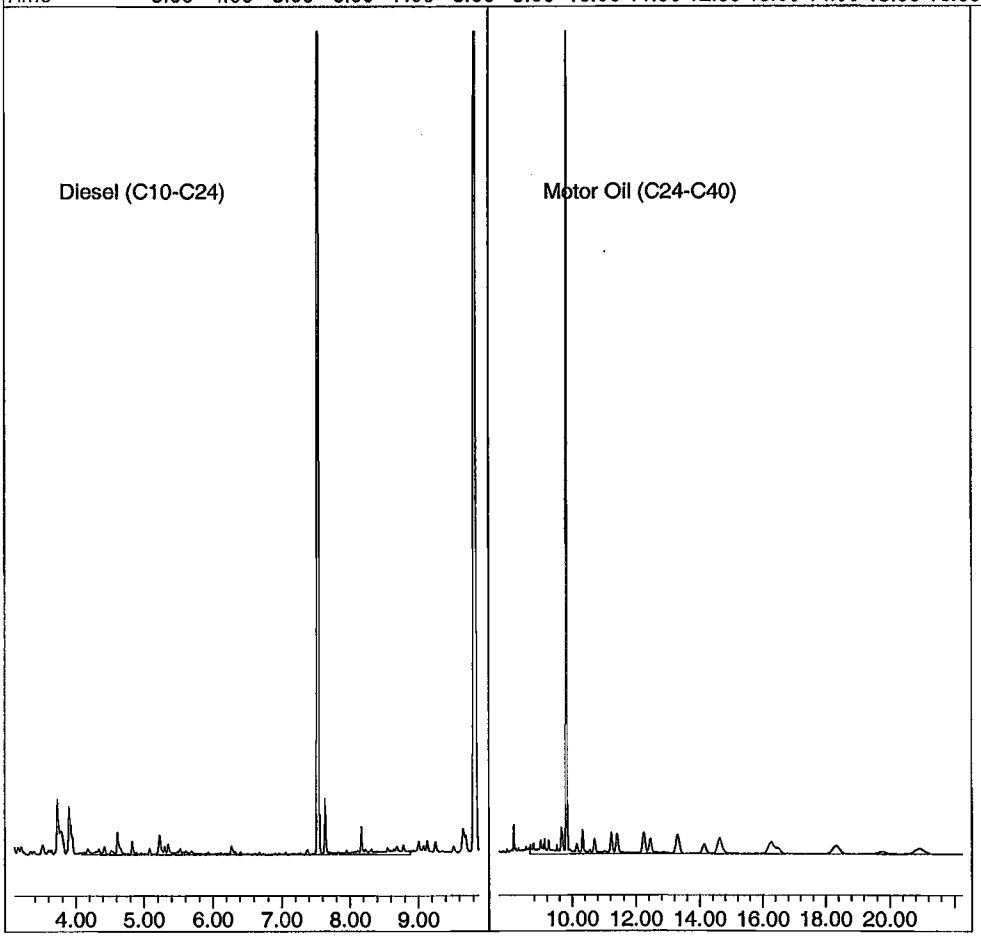
Method : G:\APOLLO\DATA\211028\DOC1028.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Nov 18 13:26:01 2021
Response via : Multiple Level Calibration

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

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.53	152684587	122.050 ppb
Surrogate Spike 150.000		Recovery =	81.37%
4) SA Octacosane(S)	9.83	133018593	147.052 ppb
Surrogate Spike 150.000		Recovery =	98.03%
Target Compounds			
1) HATM Diesel (C10-C24)	6.49	47808376	47.492 ppb
2) HBTM Motor Oil (C24-C40)	14.96	143571744	161.269 ppb
Target Compounds			

Data File: G:\APOLLO\DATA\211028\1028050.D
Sample : BA44058W01 5/1000





Quantitation Report (QT Reviewed)

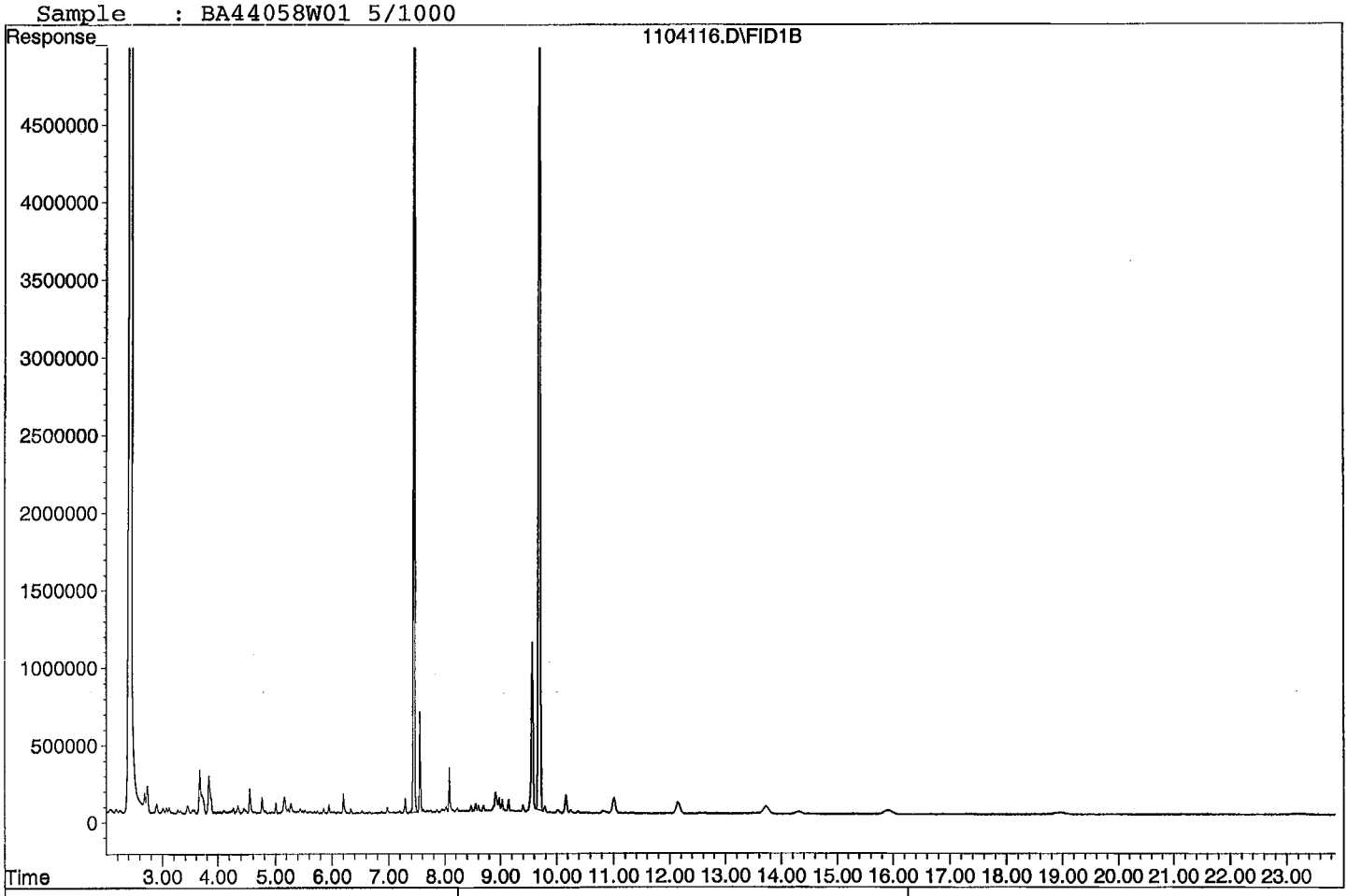
Data File : G:\APOLLO\DATA\211104\1104116.D Vial: 16
Acq On : 11-6-21 20:28:22 Operator: KA
Sample : BA44058W01 5/1000 Inst : Apollo
Misc : water Multiplr: 5.00
IntFile : events.e
Quant Time: Nov 10 17:25 2021 Quant Results File: DOC1028.RES

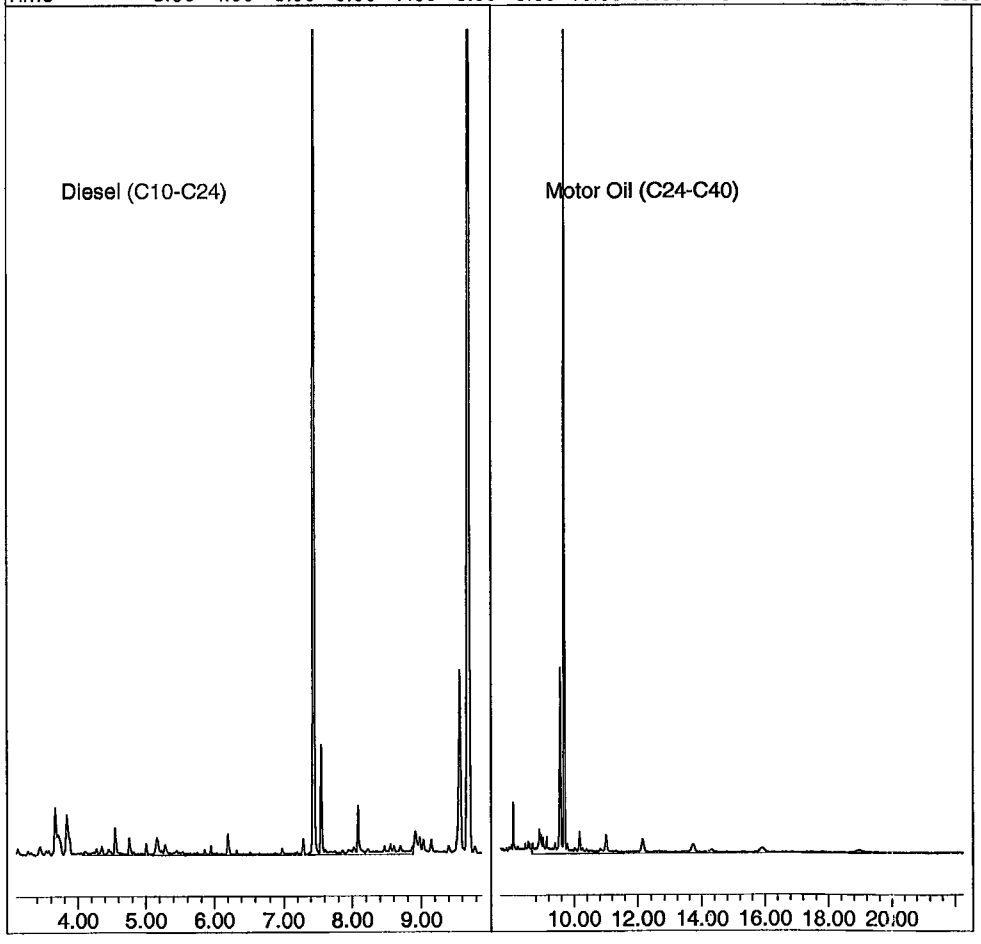
Method : G:\APOLLO\DATA\211028\DOC1028.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Nov 18 13:26:01 2021
Response via : Multiple Level Calibration

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

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.45	142961330	114.277 ppb
Surrogate Spike 150.000		Recovery =	76.18%
4) SA Octacosane(S)	9.69	125989505	139.281 ppb
Surrogate Spike 150.000		Recovery =	92.85%
Target Compounds			
1) HATM Diesel (C10-C24)	6.49	62154304	61.743 ppb
2) HBTM Motor Oil (C24-C40)	14.96	134531195	147.943 ppb
Target Compounds			

Data File: G:\APOLLO\DATA\211104\1104116.D
Sample : BA44058W01 5/1000





Quantitation Report (QT Reviewed)

Data File : G:\APOLLO\DATA\211028\1028044.D Vial: 44
Acq On : 10-29-21 4:52:14 Operator: KA
Sample : 211025A BLK 5/1000 Inst : Apollo
Misc : water Multiplr: 5.00
IntFile : events.e
Quant Time: Nov 1 11:31 2021 Quant Results File: DOC1028.RES

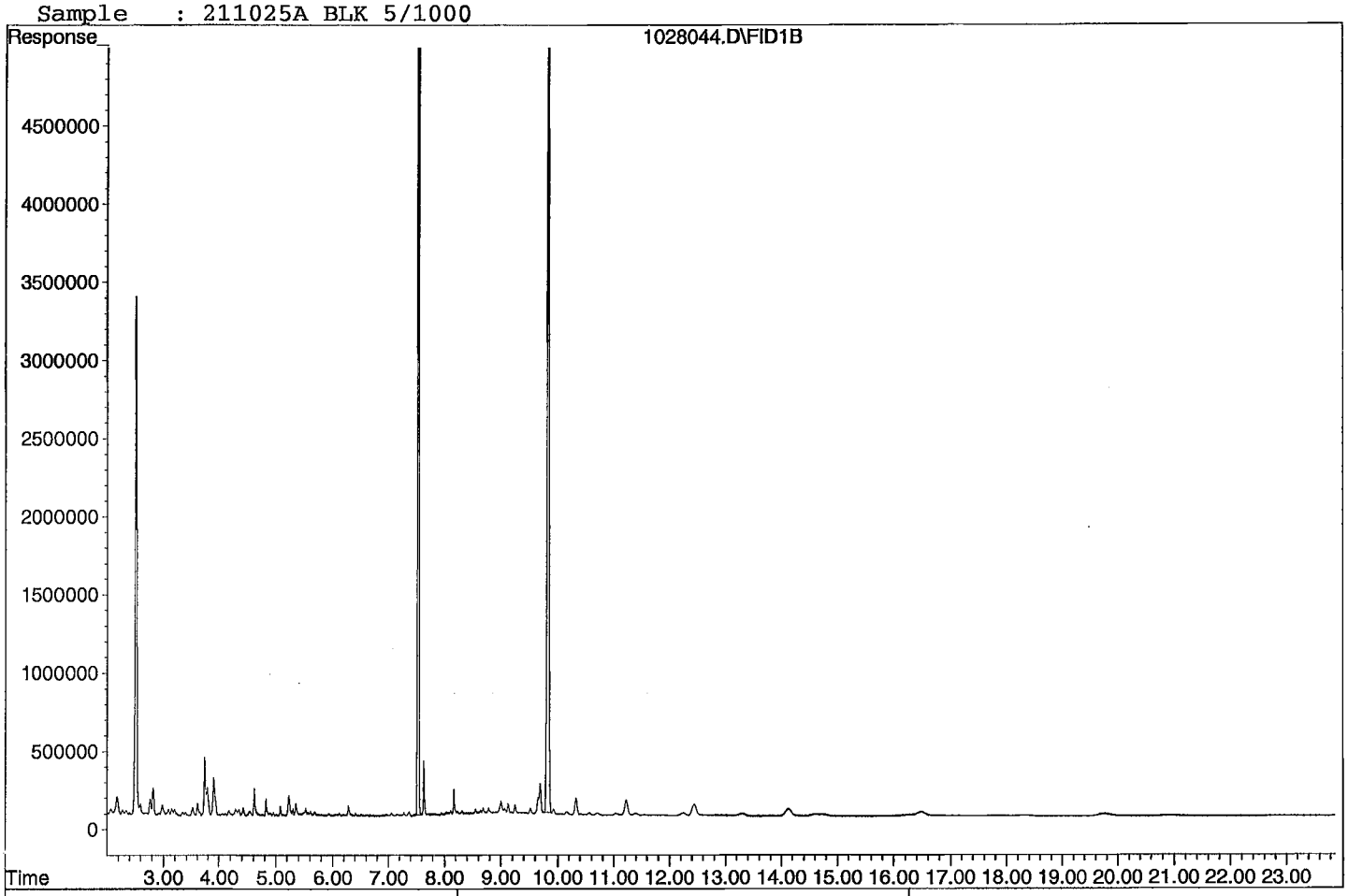
Method : G:\APOLLO\DATA\211028\DOC1028.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Nov 18 13:26:01 2021
Response via : Multiple Level Calibration

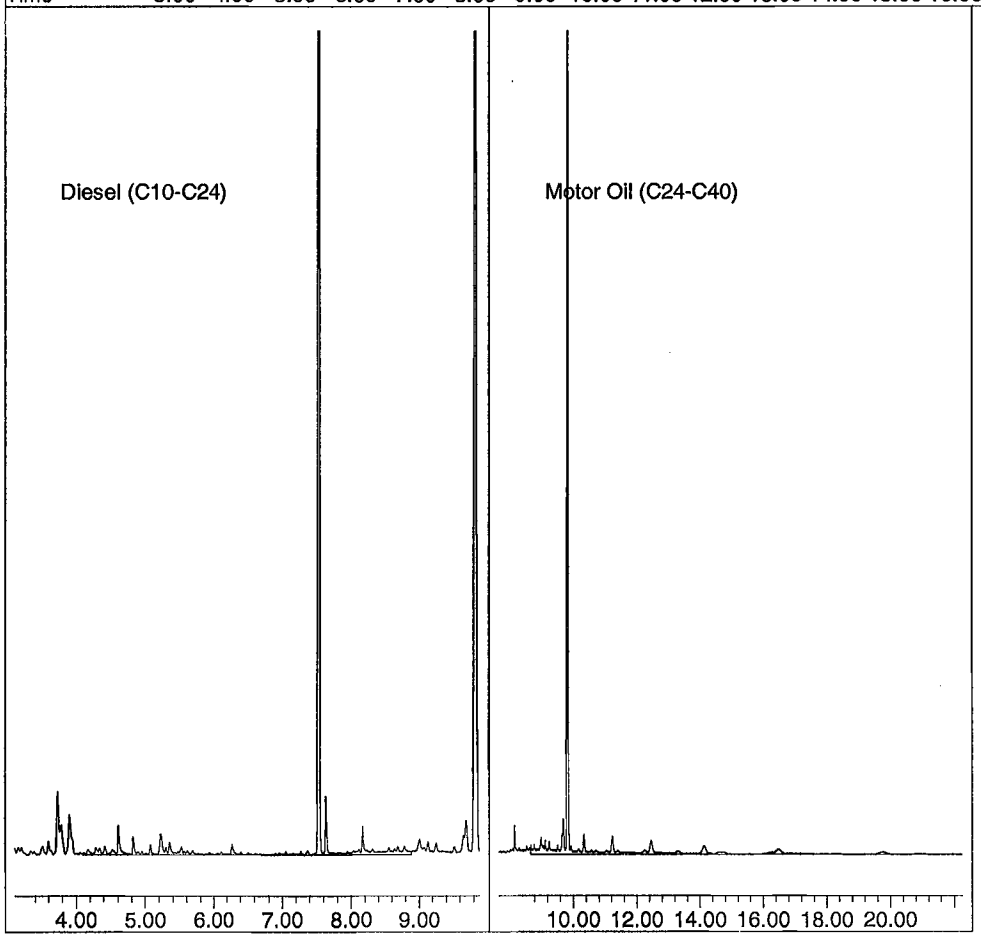
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.53	141646647	113.227 ppb
Surrogate Spike 150.000		Recovery =	75.48%
4) SA Octacosane(S)	9.83	123314855	136.324 ppb
Surrogate Spike 150.000		Recovery =	90.88%
Target Compounds			
1) HATM Diesel (C10-C24)	6.49	50512539	50.178 ppb
2) HBTM Motor Oil (C24-C40)	14.96	97341309	93.120 ppb
Target Compounds			

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

Data File: G:\APOLLO\DATA\211028\1028044.D
Sample : 211025A BLK 5/1000





Quantitation Report (QT Reviewed)

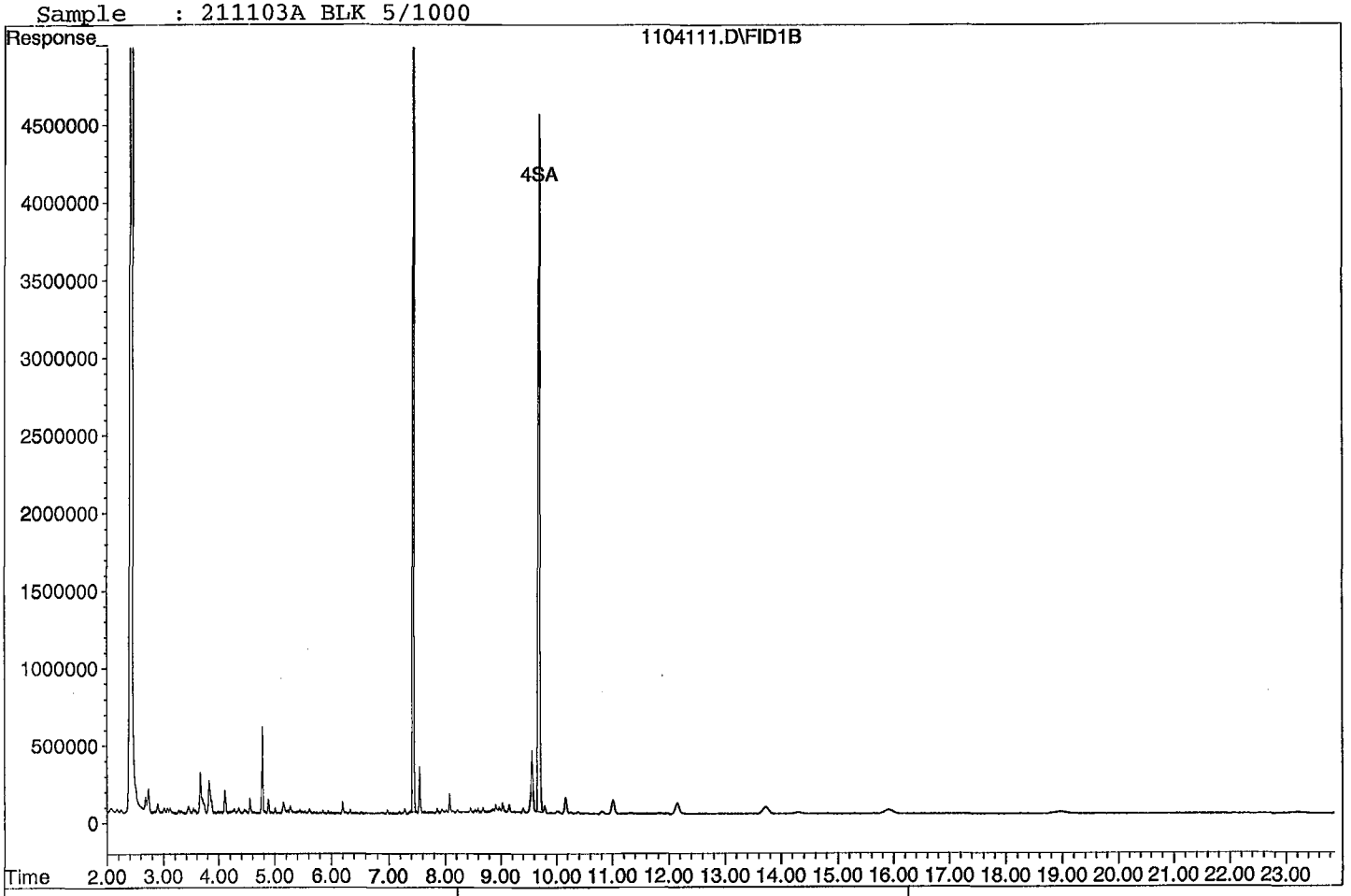
Data File : G:\APOLLO\DATA\211104\1104111.D Vial: 11
Acq On : 11-6-21 18:07:27 Operator: KA
Sample : 211103A BLK 5/1000 Inst : Apollo
Misc : water Multiplr: 5.00
IntFile : events.e
Quant Time: Nov 10 17:22 2021 Quant Results File: DOC1028.RES

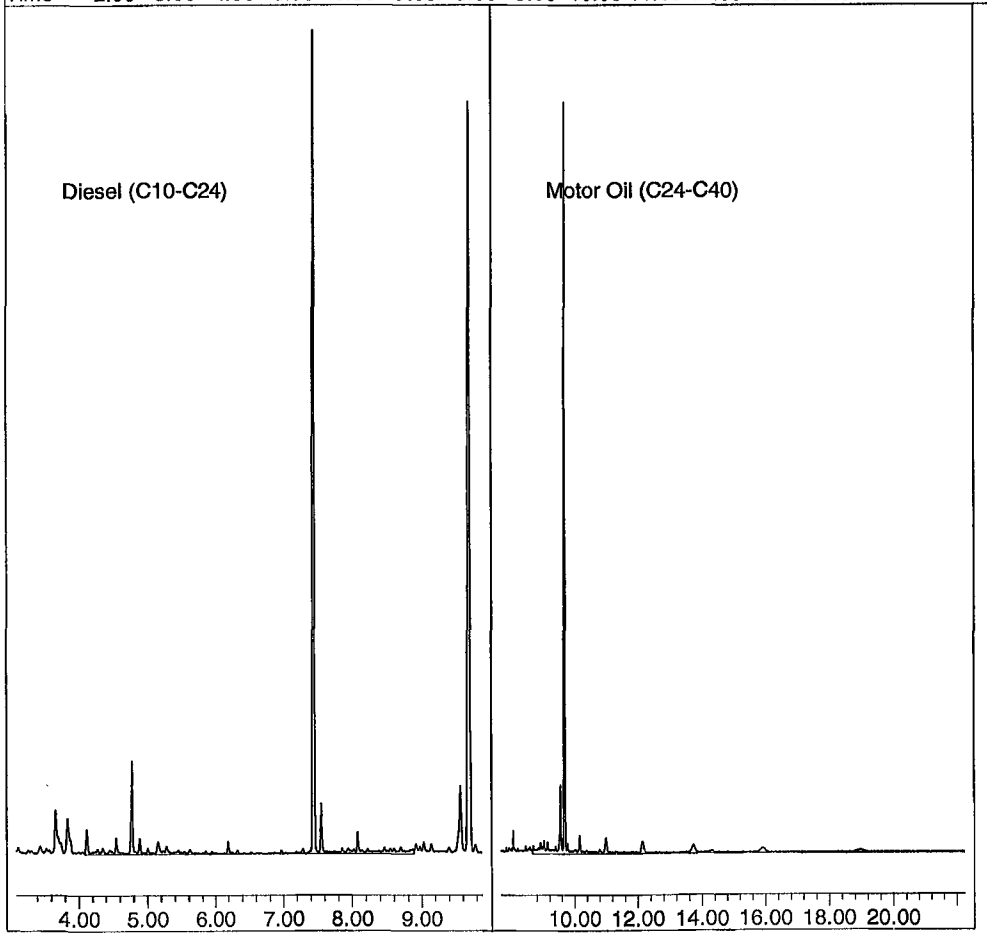
Method : G:\APOLLO\DATA\211028\DOC1028.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Nov 18 13:26:01 2021
Response via : Multiple Level Calibration

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

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.44	100989583	80.727 ppb
Surrogate Spike 150.000		Recovery =	53.82%
4) SA Octacosane(S)	9.69	90033534	99.532 ppb
Surrogate Spike 150.000		Recovery =	66.35%
Target Compounds			
1) HATM Diesel (C10-C24)	6.49	54967673	54.604 ppb
2) HBTM Motor Oil (C24-C40)	14.96	95342245	90.173 ppb
Target Compounds			

Data File: G:\APOLLO\DATA\211104\1104111.D
Sample : 211103A BLK 5/1000





Quantitation Report (QT Reviewed)

Data File : G:\APOLLO\DATA\211028\1028045.D Vial: 45
Acq On : 10-29-21 5:20:17 Operator: KA
Sample : 211025A LCS-1 5/1000 Inst : Apollo
Misc : water Multiplr: 5.00
IntFile : events.e
Quant Time: Nov 1 11:31 2021 Quant Results File: DOC1028.RES

Method : G:\APOLLO\DATA\211028\DOC1028.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Nov 18 13:26:01 2021
Response via : Multiple Level Calibration

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

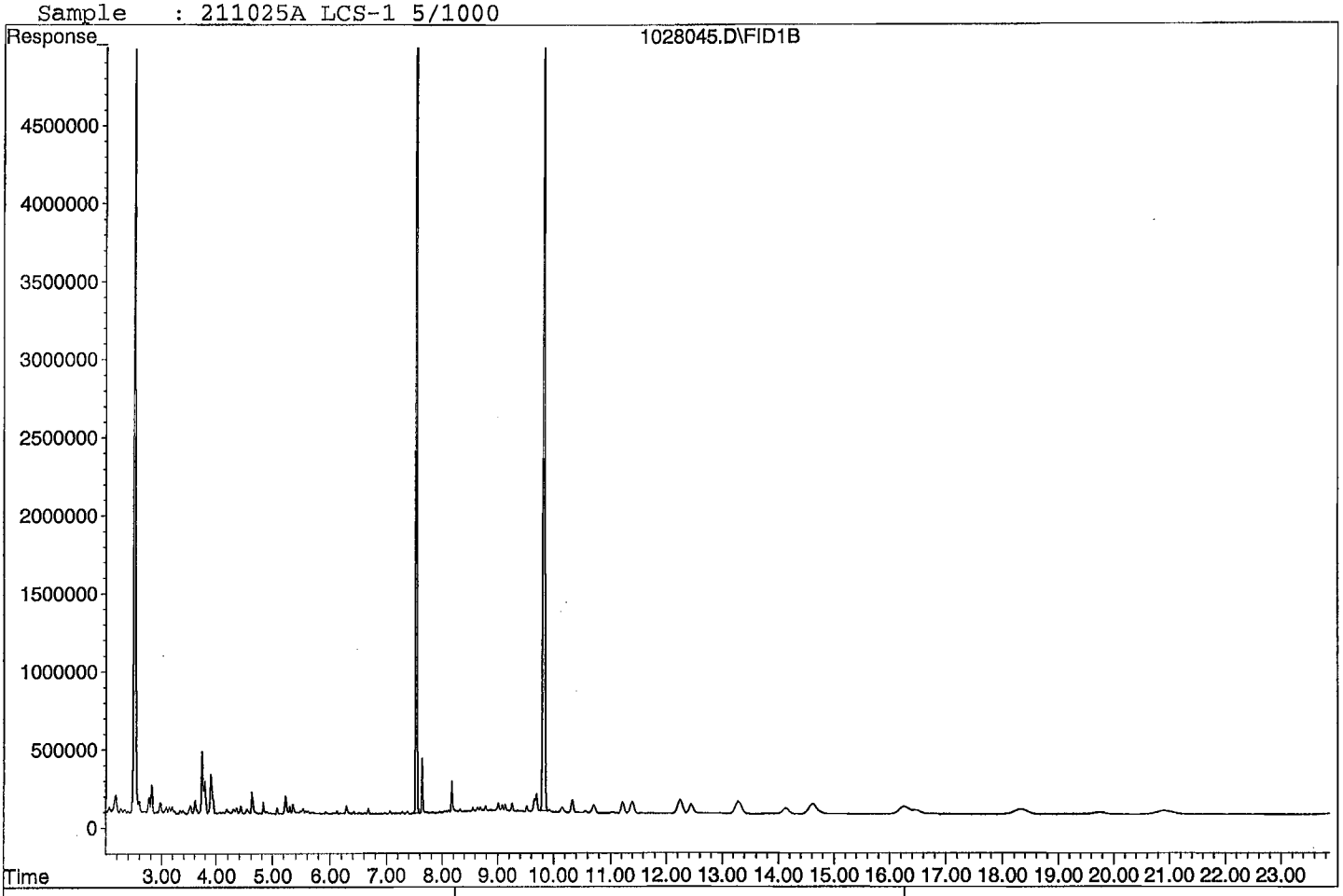
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.53	131068313	104.771 ppb
Surrogate Spike 150.000		Recovery =	69.85%
4) SA Octacosane(S)	9.83	114046652	126.078 ppb
Surrogate Spike 150.000		Recovery =	84.05%
Target Compounds			
1) HATM Diesel (C10-C24)	6.49	49446627	49.119 ppb
2) HBTM Motor Oil (C24-C40)	14.96	118051453	123.649 ppb
Target Compounds			

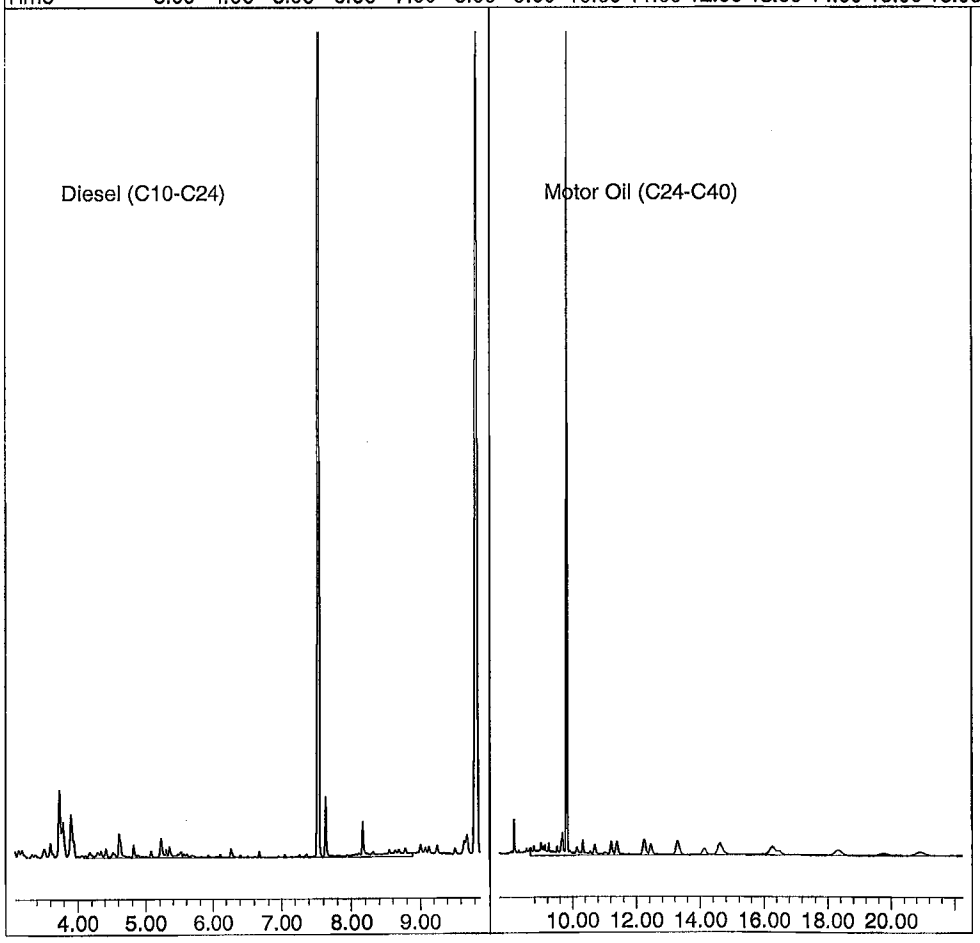
Diesel:

$$\frac{(49446627)(5)}{(2516669)(2)} = \frac{247233135}{5033338} = 49.119$$

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

Data File: G:\APOLLO\DATA\211028\1028045.D
Sample : 211025A LCS-1 5/1000





Quantitation Report (QT Reviewed)

Data File : G:\APOLLO\DATA\211104\1104112.D Vial: 12
Acq On : 11-6-21 18:35:41 Operator: KA
Sample : 211103A LCS-1 5/1000 Inst : Apollo
Misc : water Multiplr: 5.00
IntFile : events.e
Quant Time: Nov 10 17:22 2021 Quant Results File: DOC1028.RES

Method : G:\APOLLO\DATA\211028\DOC1028.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Nov 18 13:26:01 2021
Response via : Multiple Level Calibration

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

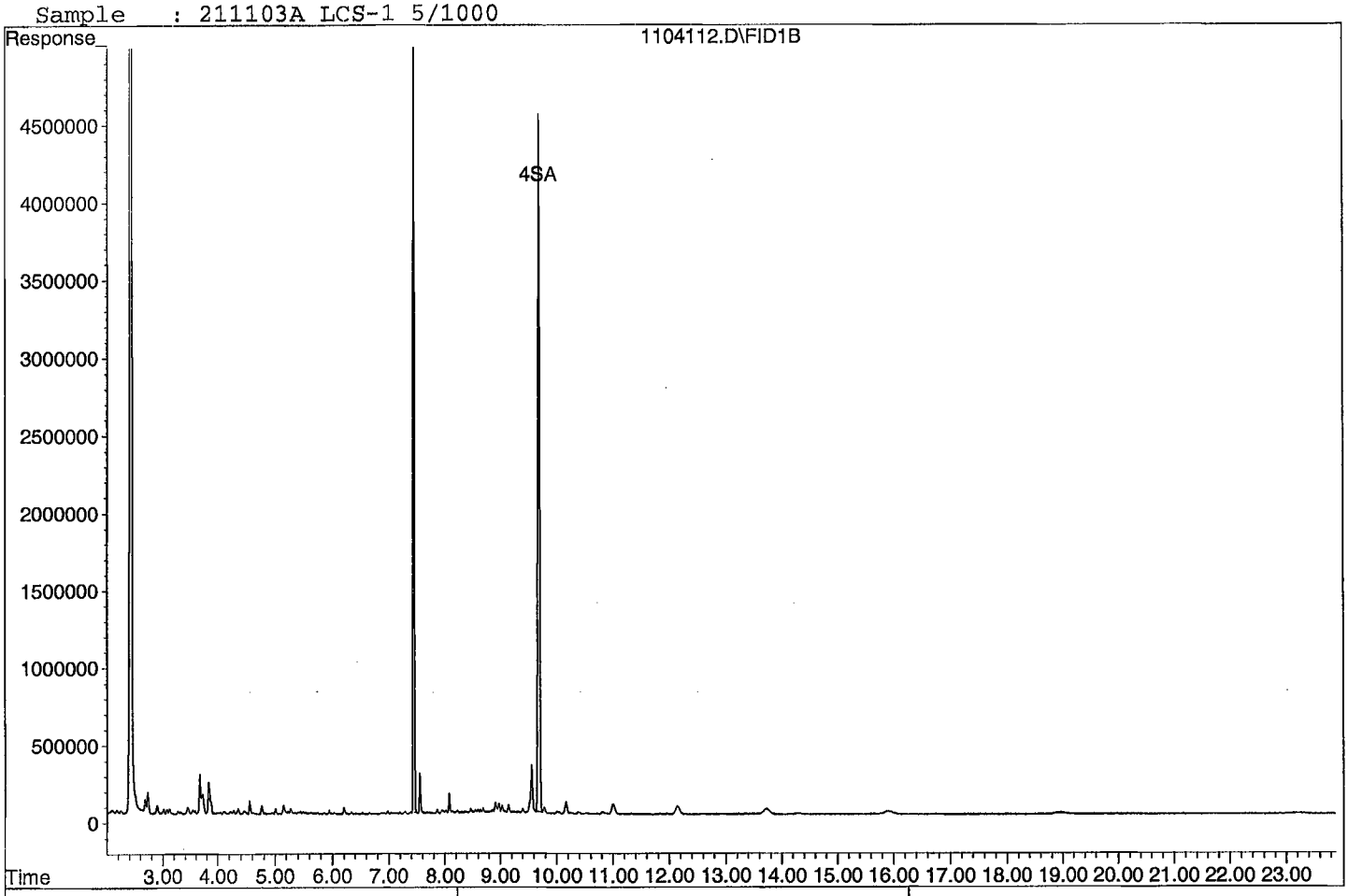
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.44	102064398	81.586 ppb
Surrogate Spike 150.000		Recovery =	54.39%
4) SA Octacosane(S)	9.69	90945134	100.539 ppb
Surrogate Spike 150.000		Recovery =	67.03%
Target Compounds			
1) HATM Diesel (C10-C24)	6.49	41870054	41.593 ppb
2) HBTM Motor Oil (C24-C40)	14.96	79814112	67.283 ppb
Target Compounds			

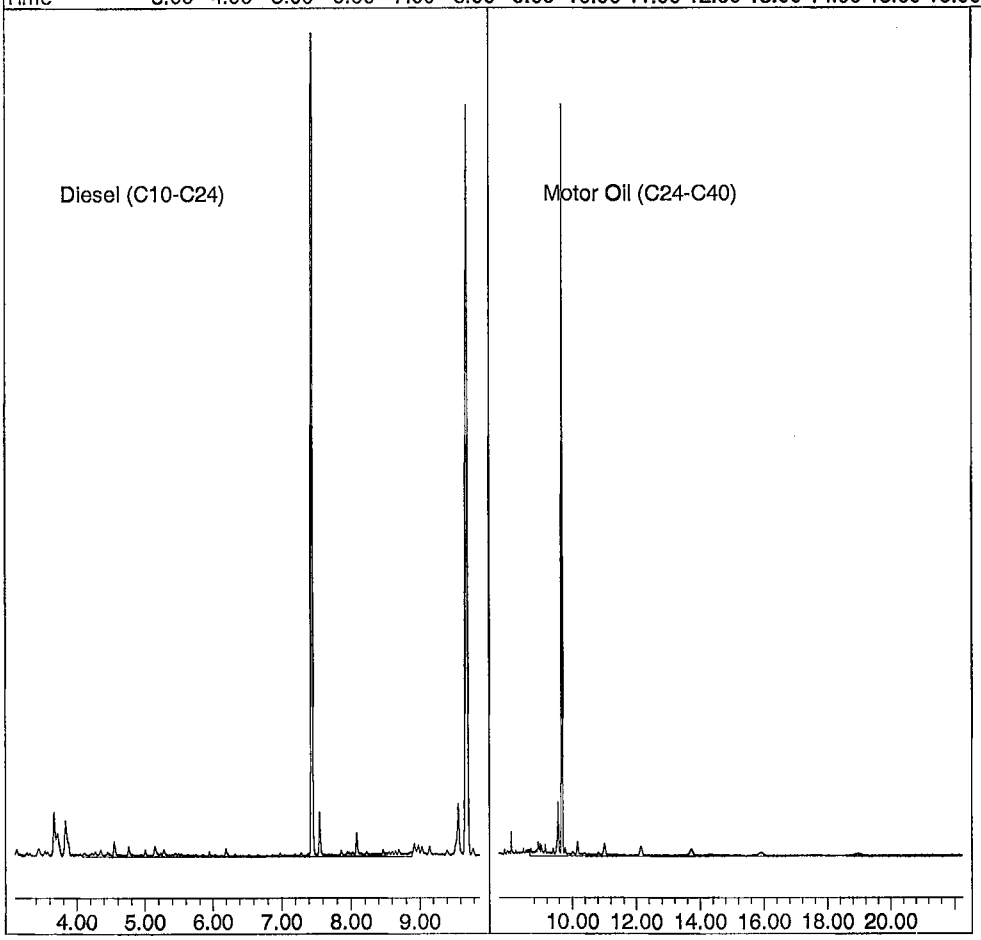
Diesel:

$$\frac{(41870054)(5)}{(2516669)(2)} = \frac{209350270}{5033338} = \boxed{41.593}$$

(f)=RT Delta > 1/2 Window
1104112.D DOC1028.M Wed Nov 24 08:48:46 2021 (m)=manual int.

Data File: G:\APOLLO\DATA\211104\1104112.D
Sample : 211103A LCS-1 5/1000





Quantitation Report (QT Reviewed)

Data File : G:\APOLLO\DATA\211028\1028046.D Vial: 46
Acq On : 10-29-21 5:48:21 Operator: KA
Sample : 211025A LCSD-1 5/1000 Inst : Apollo
Misc : water Multiplr: 5.00
IntFile : events.e
Quant Time: Nov 1 11:31 2021 Quant Results File: DOC1028.RES

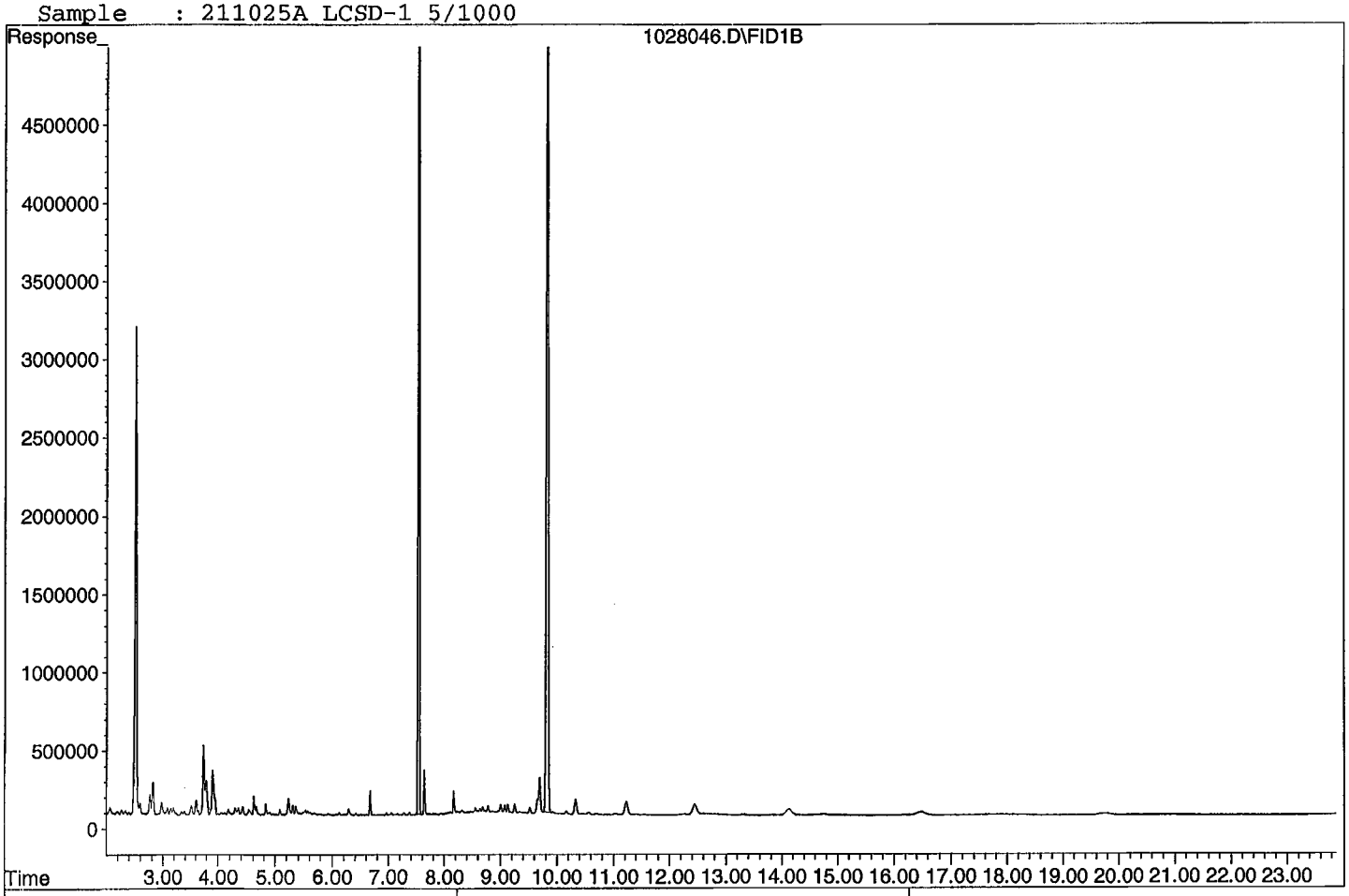
Method : G:\APOLLO\DATA\211028\DOC1028.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Nov 18 13:26:01 2021
Response via : Multiple Level Calibration

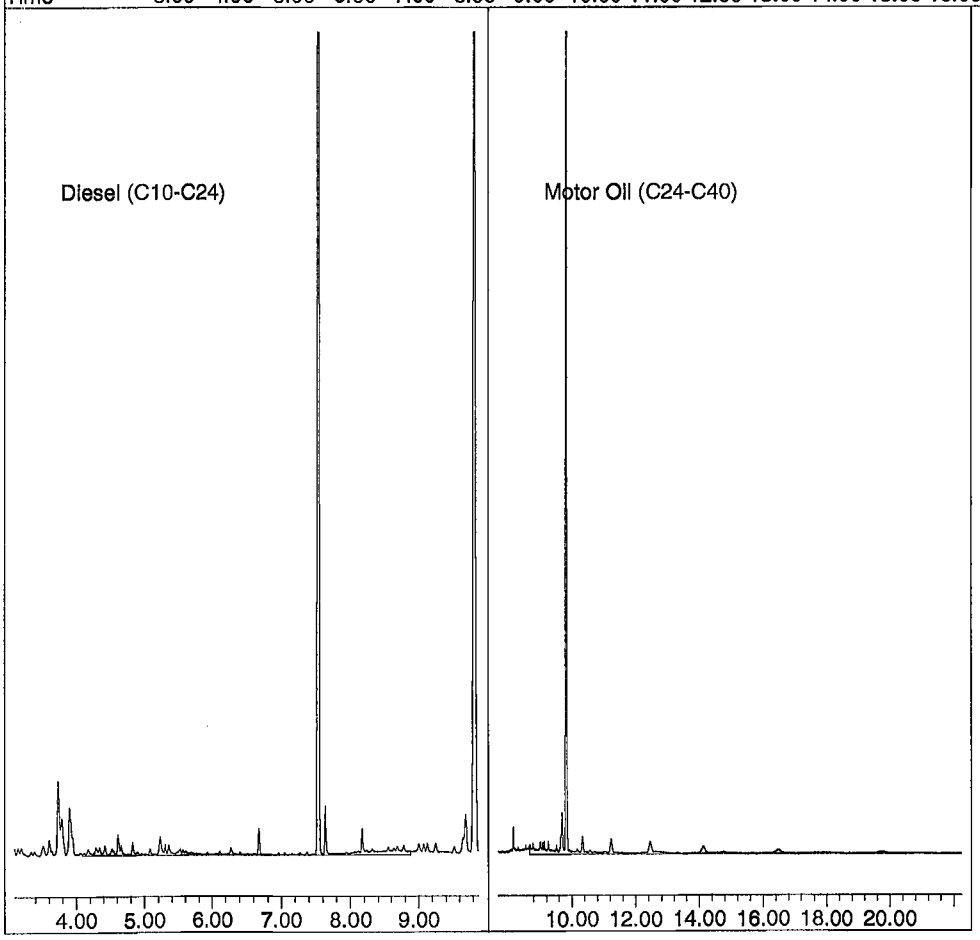
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.53	147292385	117.740 ppb
Surrogate Spike 150.000		Recovery =	78.49%
4) SA Octacosane(S)	9.83	128112629	141.628 ppb
Surrogate Spike 150.000		Recovery =	94.42%
Target Compounds			
1) HATM Diesel (C10-C24)	6.49	50175177	49.843 ppb
2) HBTM Motor Oil (C24-C40)	14.96	85703436	75.965 ppb
Target Compounds			

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

Data File: G:\APOLLO\DATA\211028\1028046.D
Sample : 211025A LCSD-1 5/1000





Quantitation Report (QT Reviewed)

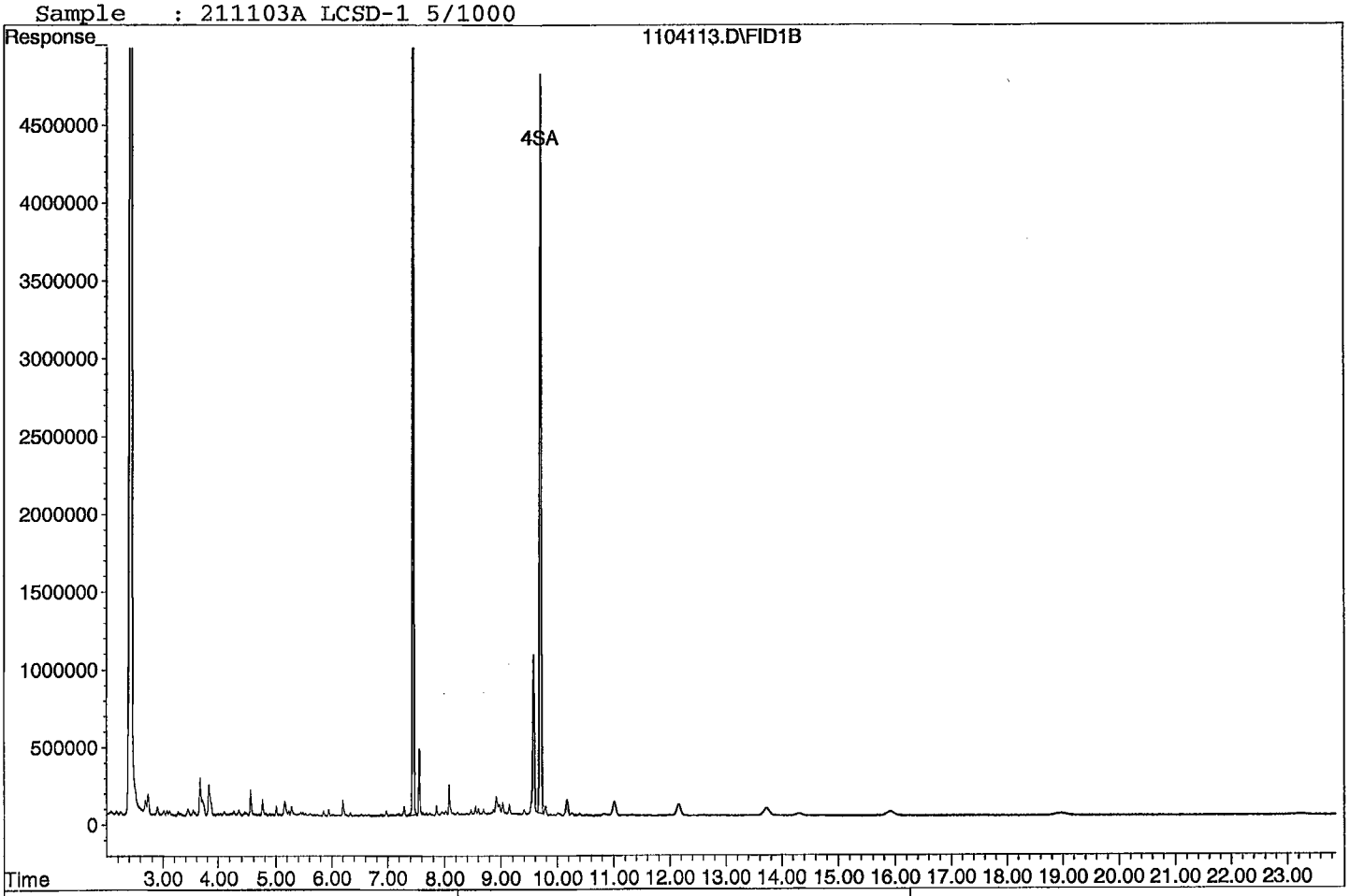
Data File : G:\APOLLO\DATA\211104\1104113.D Vial: 13
Acq On : 11-6-21 19:03:52 Operator: KA
Sample : 211103A LCSD-1 5/1000 Inst : Apollo
Misc : water Multiplr: 5.00
IntFile : events.e
Quant Time: Nov 10 17:23 2021 Quant Results File: DOC1028.RES

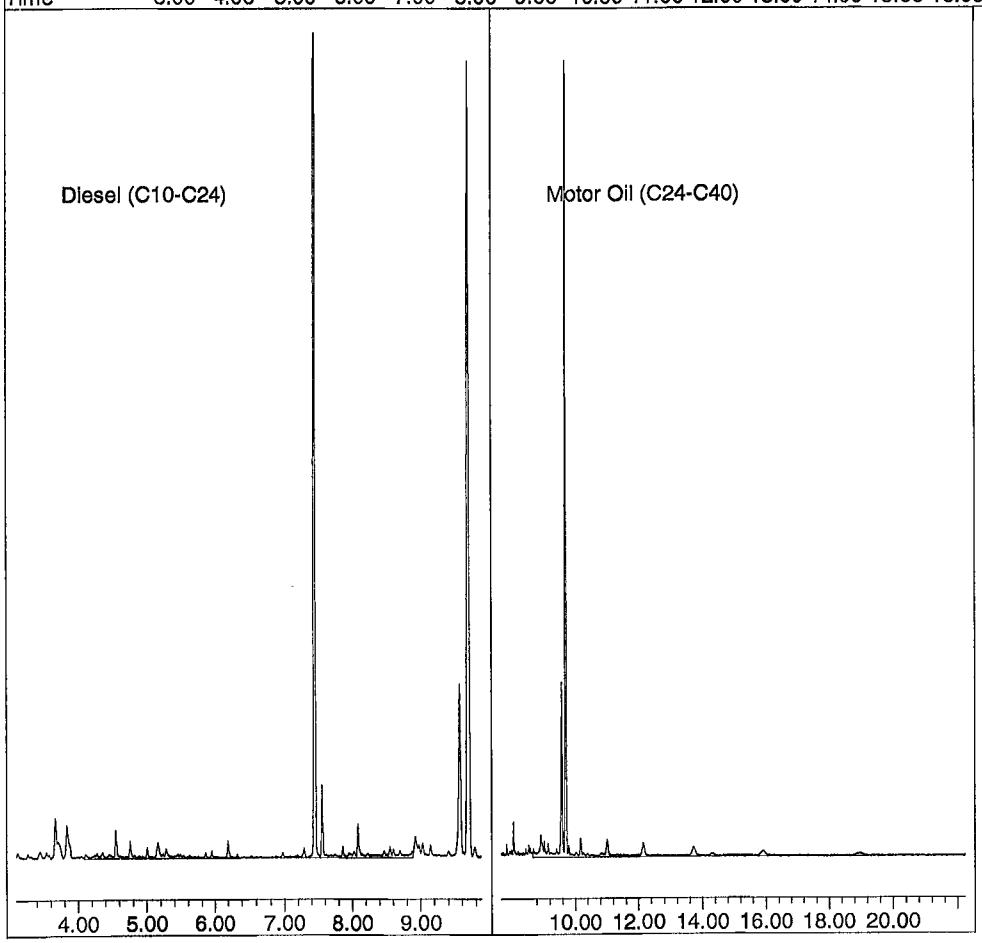
Method : G:\APOLLO\DATA\211028\DOC1028.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Nov 18 13:26:01 2021
Response via : Multiple Level Calibration

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

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.45	106886201	85.440 ppb
Surrogate Spike 150.000		Recovery =	56.96%
4) SA Octacosane(S)	9.69	94405447	104.365 ppb
Surrogate Spike 150.000		Recovery =	69.58%
Target Compounds			
1) HATM Diesel (C10-C24)	6.49	52854551	52.504 ppb
2) HBTM Motor Oil (C24-C40)	14.96	112926671	116.095 ppb
Target Compounds			

Data File: G:\APOLLO\DATA\211104\1104113.D
Sample : 211103A LCSD-1 5/1000





Diesel / Motor Oil Calibration Curve

Prepared: 10/28/2021
Expires: 5/31/2026
Methylene Chloride Lot No. 61117

Prepared By (Initials): KA

Initial Standard Information							Final Standard			
Name of Initial Standard (QAU Label)	Supplier	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: 10/6/21 A0164485-52822, A0168842-52820, AO166510-52817 CL16893-52835	See man. Exp date	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: 10/28/2021
Expires: 10/28/2024

Prepared By (Initials): KA

Methylene Chloride Lot No. 61117

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 Second Source	Phenova	AL0-101287	50,000	**CL16477-52980**	**See man. Exp date**	**2/28/2027**	50uL	10mL	MC	250
Motor Oil Second Source	Absolute	51094	50,000	**102819-52981**		**10/28/2024**	50uL			

Diesel / Motor Oil CCV

Prepared: 10/27/2021
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	**See man. Exp date**	**10/31/2027 12/31/2027 5/31/2026**	1250uL	10mL	MC	250

THC Surrogate

Prepared: 10/21/2021 **KA**

Expires: 5/31/2026

Initial Standard Information							Final Standard			
Name of Initial Standard (QAU Label)	Supplier	Supplier Part No.	Conc. (ug/mL)	Lot Number - QA Number	Exp. Date (1 yr.)	Exp. Date (Manufacturer)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/mL)
O-terphenyl / Octacosane Mix	Phenova	ALO-130161	600	**CL16893-52842**	**See ma. Date**	**5/31/2026**	N/A	N/A	N/A	600

THC Surrogate

Prepared: 10/29/2021 **LS**

Expires: 5/31/2026

Initial Standard Information							Final Standard			
Name of Initial Standard (QAU Label)	Supplier	Supplier Part No.	Conc. (ug/mL)	Lot Number - QA Number	Exp. Date (1 yr.)	Exp. Date (Manufacturer)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/mL)
O-terphenyl / Octacosane Mix	Phenova	ALO-130161	600	**CL16893-52841**	**See ma. Date**	**5/31/2026**	N/A	N/A	N/A	600

Organic Extraction Worksheet

Method	Continuous Liq/Liq TPH-Diesel/MO 3520C	Extraction Set	211025A	Extraction Method	LIQ005	Units	mL

Spiked ID 1			Surrogate ID 1	THC Surrogate 10-21-22 10-21-22	
Spiked ID 2			Surrogate ID 2		
Spiked ID 3			Surrogate ID 3		
Spiked ID 4			Surrogate ID 4		
Spiked ID 5			Surrogate ID 5		
Spiked ID 6			Sufficient Vol for Matrix QC:	NO	
Spiked ID 7			Ext. Start Time:	10/25/21 11:36	
Spiked ID 8			Ext. End Time:	10/26/21 6:40	
			GC Requires Extract By:		

pH1	2	10/25/21 10:45	Water Bath Temp 1 °C	41/40.1 °C
pH2			Water Bath Temp 2 °C	34/35.1
pH3			Water Bath Temp 3 °C	39/38.5 °C

Spiked By: SR **Date** 10/25/2021 **Witnessed By:** AGM **Date** 10/25/2021

	Sample	Sample Container	Spike Amount	Spike ID	Surrogate Amount	Surrogate ID	Extract Amount	Final Volume	pH	Extract Date/Time	Comments
1	211025A Blk				0.250	1 equip	1000 E-WB1 E-HP3	5	2	10/25/21 10:55	
2	211025A LCS-1				0.250	1 equip	1000 E-WB2 E-HP4	5	2	10/25/21 10:55	
3	211025A LCSD-1				0.250	1 equip	1000 E-WB3 E-HP6	5	2	10/25/21 10:55	
4	BA44055	BA44055W01			0.250	1 equip	1000 E-WB1 E-HP7	5	2	10/25/21 10:55	97943
5	BA44056	BA44056W01			0.250	1 equip	1000 E-WB2 E-HP8	5	2	10/25/21 10:55	97943
6	BA44057	BA44057W01			0.250	1 equip	1000 E-WB3 E-HP9	5	2	10/25/21 10:55	97943
7	BA44058	BA44058W01			0.250	1 equip	1000 E-WB1 E-HP10	5	2	10/25/21 10:55	97943

Solvent and Lot#	
1+1 HCL (5mLs)	60358
PH Strips	hc155968
Dicholormethane	61117
Filter Paper	400181
Sodium Sulfate	2021071206

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

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

Modified	10/27/2021 3:08:35 PM

Reviewed By: KY **Date** 10/27/2021

Organic Extraction Worksheet

Method	Continuous Liq/Liq TPH-Diesel/MO 3520C	Extraction Set	211103A	Extraction Method	LIQ005	Units	mL

Spiked ID 1			Surrogate ID 1	THC Surrogate 10-29-21 10-29-22	
Spiked ID 2			Surrogate ID 2		
Spiked ID 3			Surrogate ID 3		
Spiked ID 4			Surrogate ID 4		
Spiked ID 5			Surrogate ID 5		
Spiked ID 6			Sufficient Vol for Matrix QC:	NO	
Spiked ID 7			Ext. Start Time:	11/03/21 16:07	
Spiked ID 8			Ext. End Time:	11/04/21 10:07	
			GC Requires Extract By:		

pH1	2	11/03/21 14:40	Water Bath Temp 1 °C	39/38.1 °C
pH2			Water Bath Temp 2 °C	35/36.1
pH3			Water Bath Temp 3 °C	41/40.5 °C

Spiked By: SR **Date** 11/3/2021 **Witnessed By:** CG **Date** 11/3/2021

	Sample	Sample Container	Spike Amount	Spike ID	Surrogate Amount	Surrogate ID	Extract Amount	Final Volume	pH	Extract Date/Time	Comments
1	211103A Blk				0.250	1	1000	5	2	11/03/21 14:41	RE-EXTRACT
						equip	E-HP3 E-WB1				
2	211103A LCS-1				0.250	1	1000	5	2	11/03/21 14:41	
						equip	E-HP4 E-WB2				
3	211103A LCSD-1				0.250	1	1000	5	2	11/03/21 14:41	
						equip	E-HP6 E-WB3				
4	BA44055	BA44055W01			0.250	1	1000	5	2	11/03/21 14:41	97943
						equip	E-HP7 E-WB1				
5	BA44057	BA44057W01			0.250	1	1000	5	2	11/03/21 14:41	97943
						equip	E-HP8 E-WB2				
6	BA44058	BA44058W01			0.250	1	1000	5	2	11/03/21 14:41	97943
						equip	E-HP9 E-WB3				

Solvent and Lot#	
1+1 HCL (5mLs)	60282
PH Strips	HC155968
Dicholormethane	61117
Filter Paper	400196
Sodium Sulfate	2021071206

Extraction COC Transfer	
Extraction lab employee Initials	KY
GC analyst's initials	KA
Date	11/4/21
Time	13:46
Refrigerator	Hobart

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

Modified	11/8/2021 9:28:39 AM

Reviewed By: KY **Date** 11/8/2021

Injection Log

Directory: G:\APOLLO\DATA\211028\

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	3	1028003.D	1	DMO STD 1 10/28/21	water	10-28-21 9:19:03
2	4	1028004.D	1	DMO STD 2 10/28/21	water	10-28-21 9:47:06
3	5	1028005.D	1	DMO STD 3 10/28/21	water	10-28-21 10:15:13
4	6	1028006.D	1	DMO STD 4 10/28/21	water	10-28-21 10:43:31
5	7	1028007.D	1	DMO STD 5 10/28/21	water	10-28-21 11:11:42
6	8	1028008.D	1	DMO STD 6 10/28/21	water	10-28-21 11:39:55
7	9	1028009.D	1	DMO STD 7 10/28/21	water	10-28-21 12:08:10
8	10	1028010.D	1	DMO Second Source 10/28/21	water	10-28-21 12:36:26
9	43	1028043.D	1	DMO LVL4 CCV 10/27/21	water	10-29-21 4:24:10
10	44	1028044.D	5	211025A BLK 5/1000	water	10-29-21 4:52:14
11	45	1028045.D	5	211025A LCS-1 5/1000	water	10-29-21 5:20:17
12	46	1028046.D	5	211025A LCSD-1 5/1000	water	10-29-21 5:48:21
13	47	1028047.D	5	BA44055W01 5/1000	water	10-29-21 6:16:26
14	48	1028048.D	5	BA44056W01 5/1000	water	10-29-21 6:44:29
15	49	1028049.D	5	BA44057W01 5/1000	water	10-29-21 7:12:32
16	50	1028050.D	5	BA44058W01 5/1000	water	10-29-21 7:40:37
17	56	1028056.D	1	DMO LVL4 CCV 10/27/21	water	10-29-21 10:29:10

Injection Log

Directory: G:\APOLLO\DATA\211028\

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	3	1028003.D	1	DMO STD 1 10/28/21	water	10-28-21 9:19:03
2	4	1028004.D	1	DMO STD 2 10/28/21	water	10-28-21 9:47:06
3	5	1028005.D	1	DMO STD 3 10/28/21	water	10-28-21 10:15:13
4	6	1028006.D	1	DMO STD 4 10/28/21	water	10-28-21 10:43:31
5	7	1028007.D	1	DMO STD 5 10/28/21	water	10-28-21 11:11:42
6	8	1028008.D	1	DMO STD 6 10/28/21	water	10-28-21 11:39:55
7	9	1028009.D	1	DMO STD 7 10/28/21	water	10-28-21 12:08:10
8	10	1028010.D	1	DMO Second Source 10/28/21	water	10-28-21 12:36:26
9	7	1104107.D	1	DMO LVL 4 CCV 10/27/21	water	11-6-21 16:14:23
10	11	1104111.D	5	211103A BLK 5/1000	water	11-6-21 18:07:27
11	12	1104112.D	5	211103A LCS-1 5/1000	water	11-6-21 18:35:41
12	13	1104113.D	5	211103A LCSD-1 5/1000	water	11-6-21 19:03:52
13	14	1104114.D	5	BA44055W01 5/1000	water	11-6-21 19:32:05
14	15	1104115.D	5	BA44057W01 5/1000	water	11-6-21 20:00:13
15	16	1104116.D	5	BA44058W01 5/1000	water	11-6-21 20:28:22
16	28	1104128.D	1	DMO LVL 4 CCV 10/27/21	water	11-7-21 1:05:19

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

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

Quantitation Report (Not Reviewed)

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

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

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

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

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

Quantitation Report

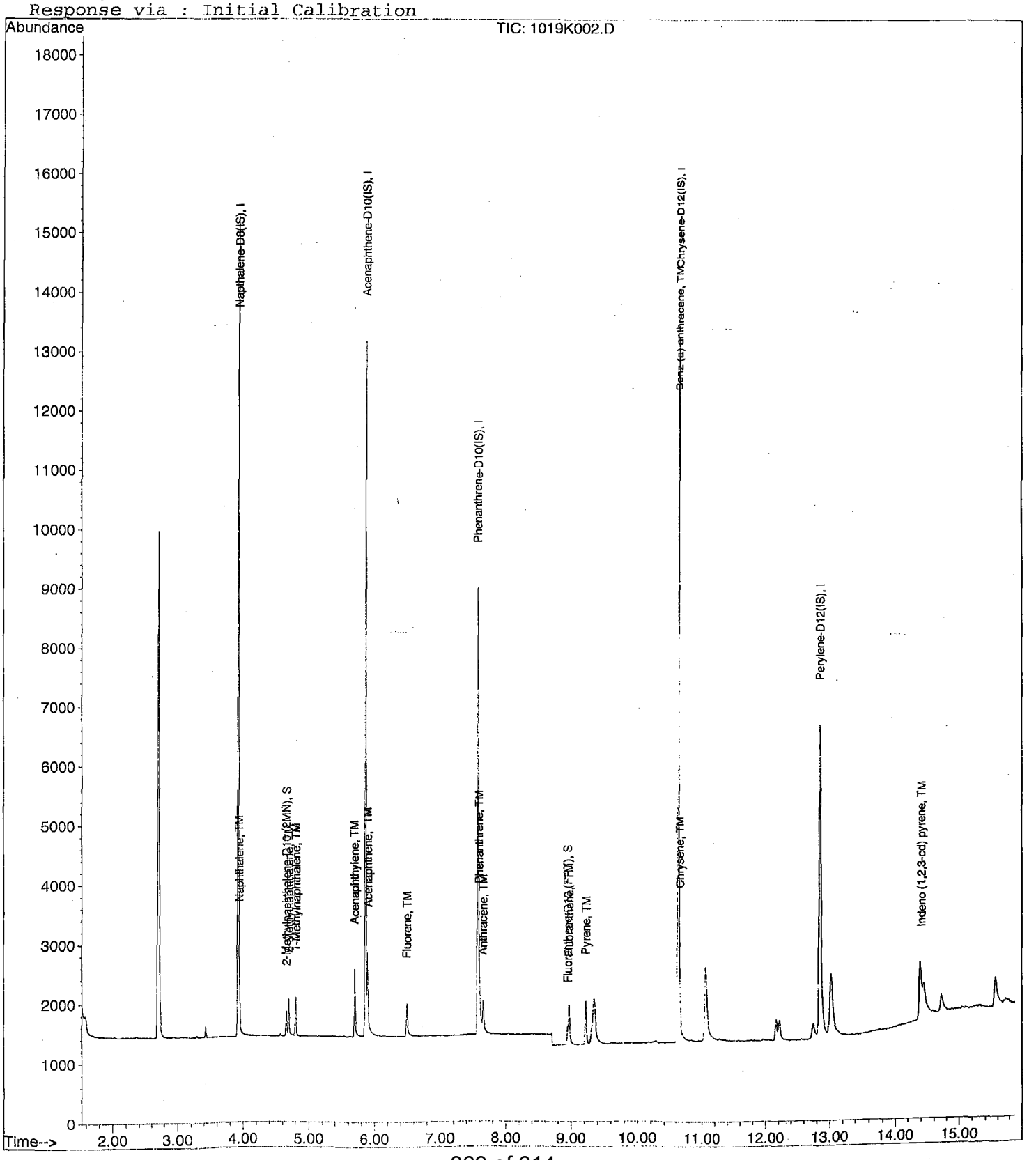
Data File : M:\KYLO\DATA\211019\1019K002.D
Acq On : 19 Oct 21 14:09
Sample : 0.1 ug/ml 10/13/21
Misc :

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

Quant Time: Oct 19 15:48 2021

Quant Results File: K1019.RES

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



Quantitation Report (Not Reviewed)

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

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

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

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

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

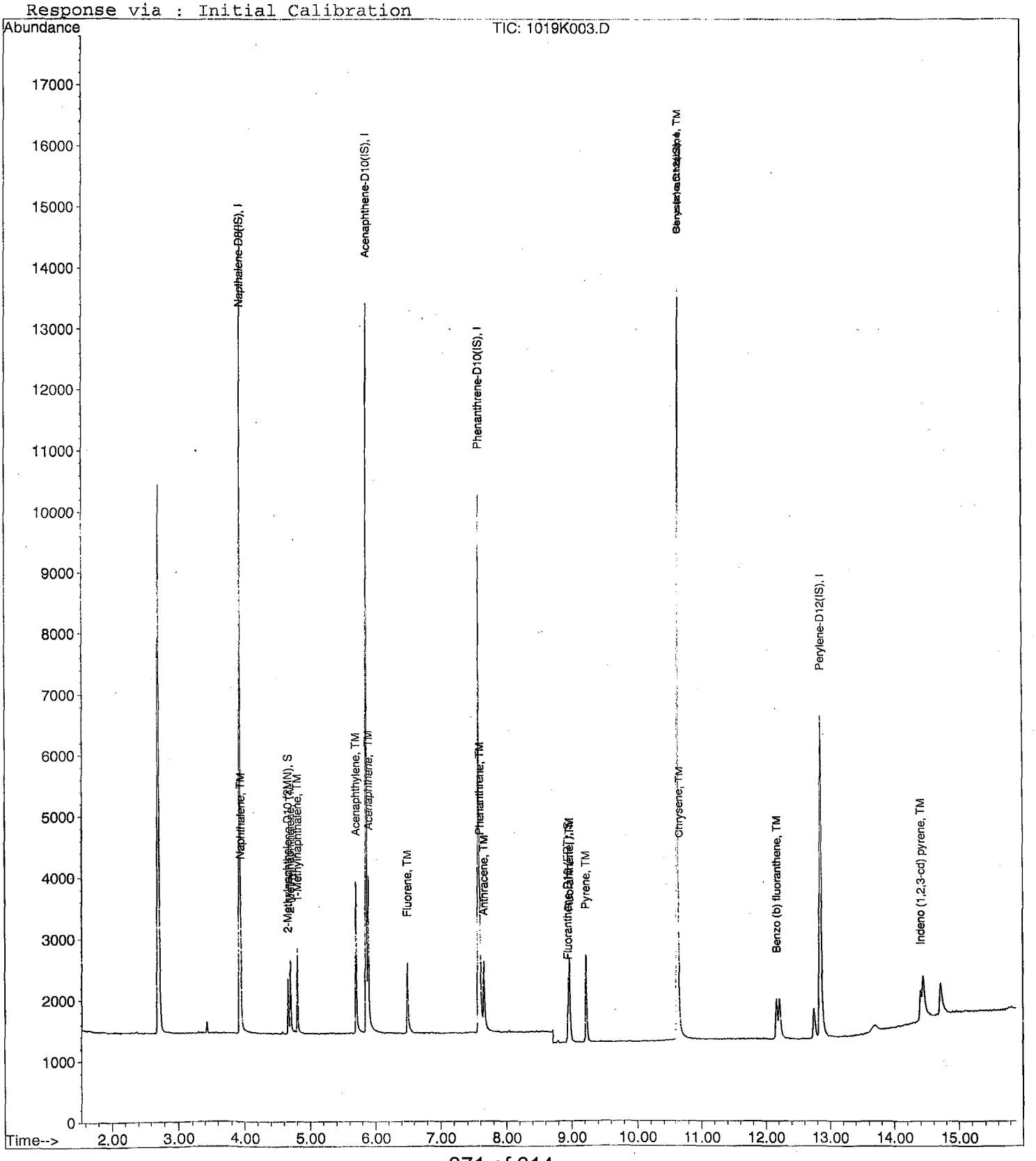
Quantitation Report

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

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

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

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



Quantitation Report (Not Reviewed)

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

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

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

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

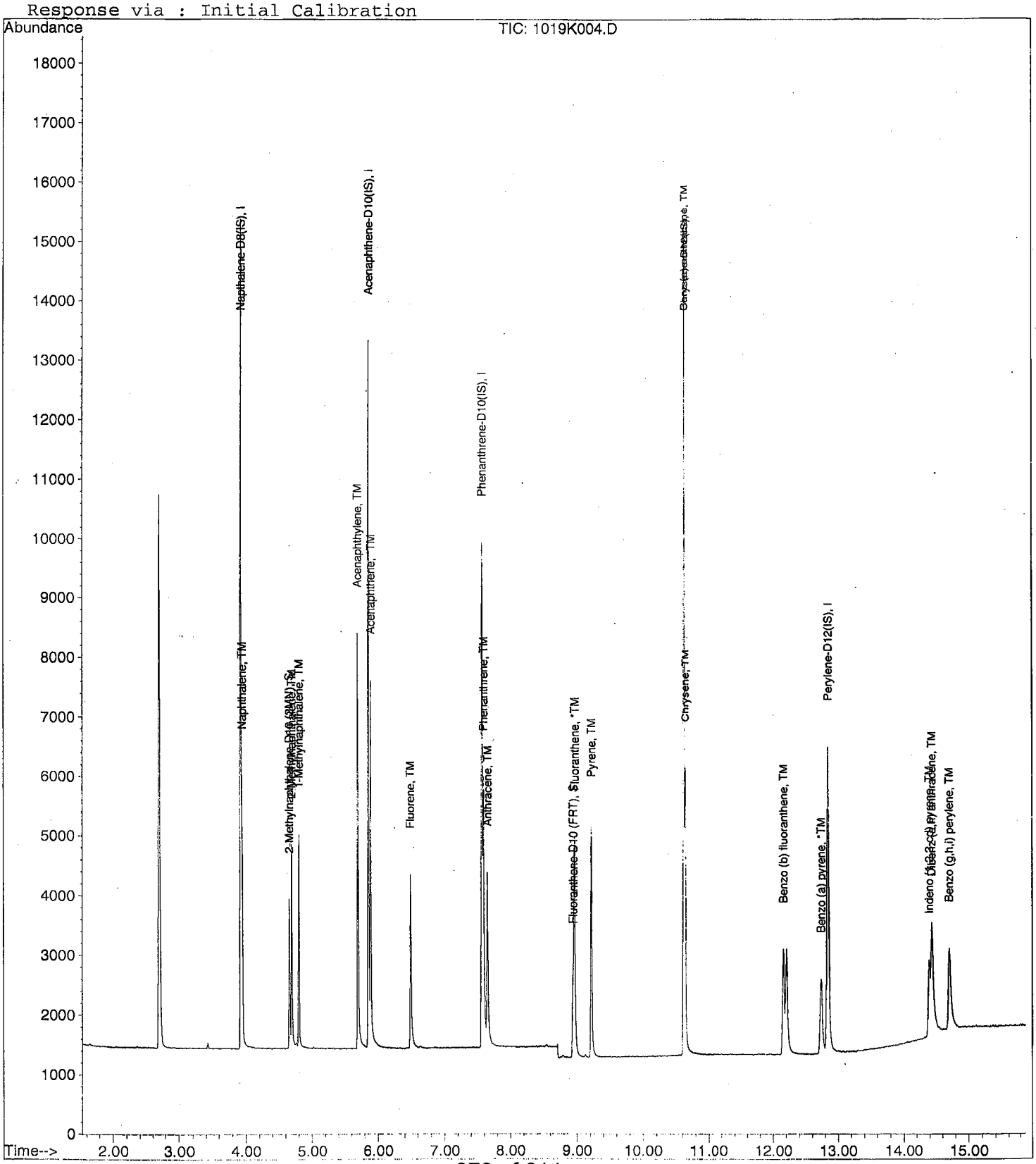
(#) = qualifier out of range (m) = manual integration

Quantitation Report

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

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

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



Quantitation Report (Not Reviewed)

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

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

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

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

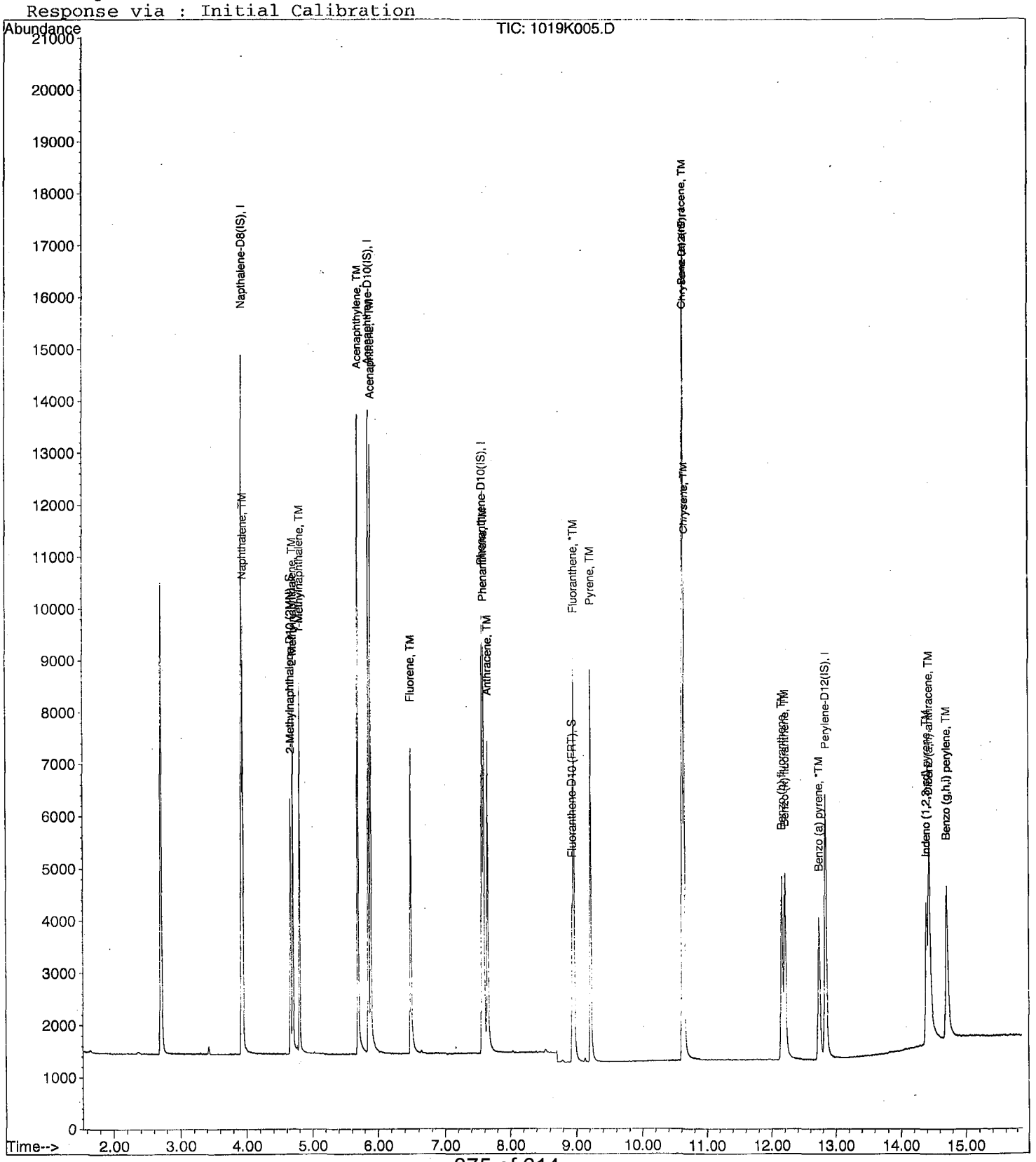
(#) = qualifier out of range (m) = manual integration

Quantitation Report

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

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

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



Quantitation Report (Not Reviewed)

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

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

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

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

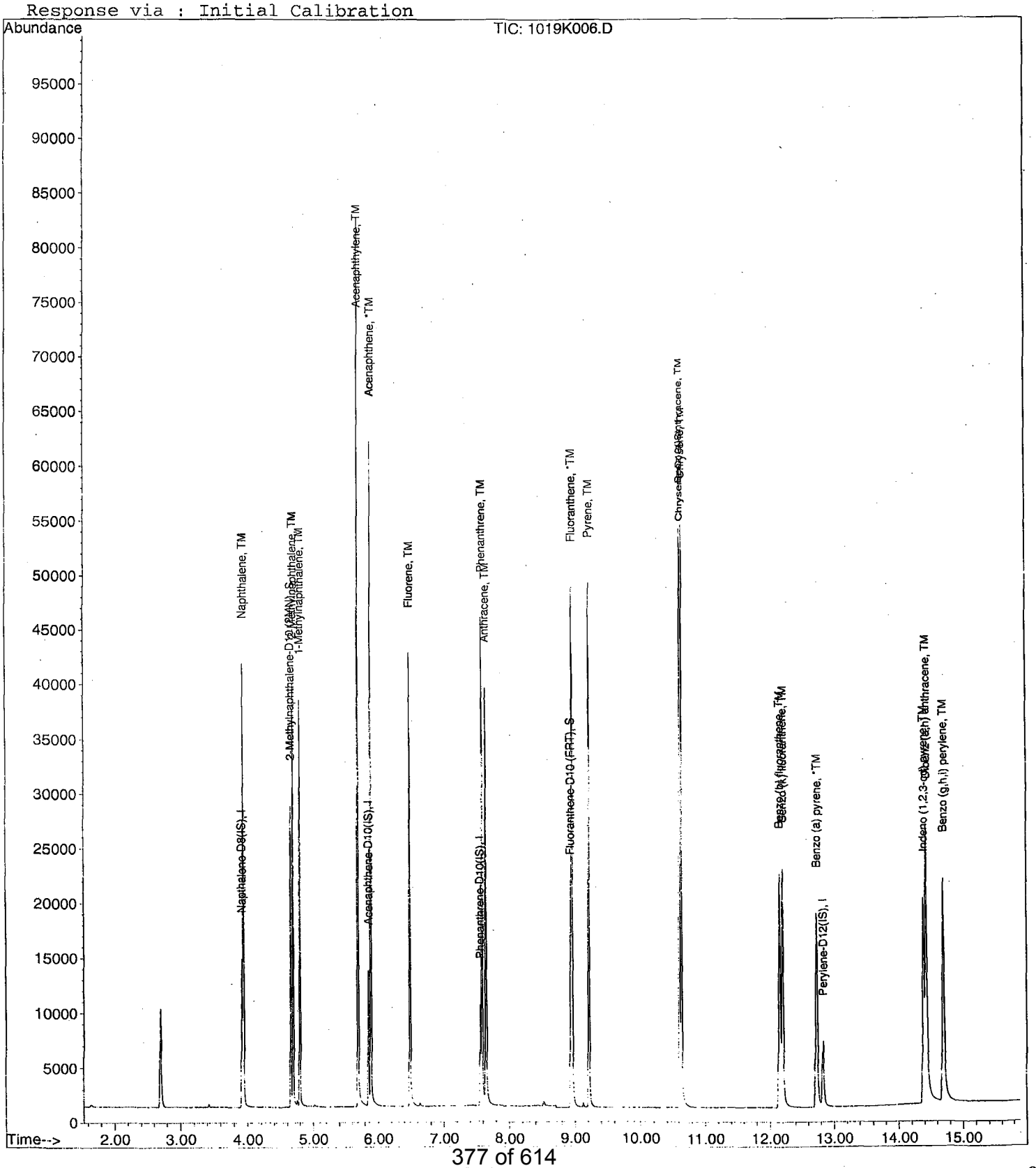
(#) = qualifier out of range (m) = manual integration

Quantitation Report

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

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

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



Quantitation Report (Not Reviewed)

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

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

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

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

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

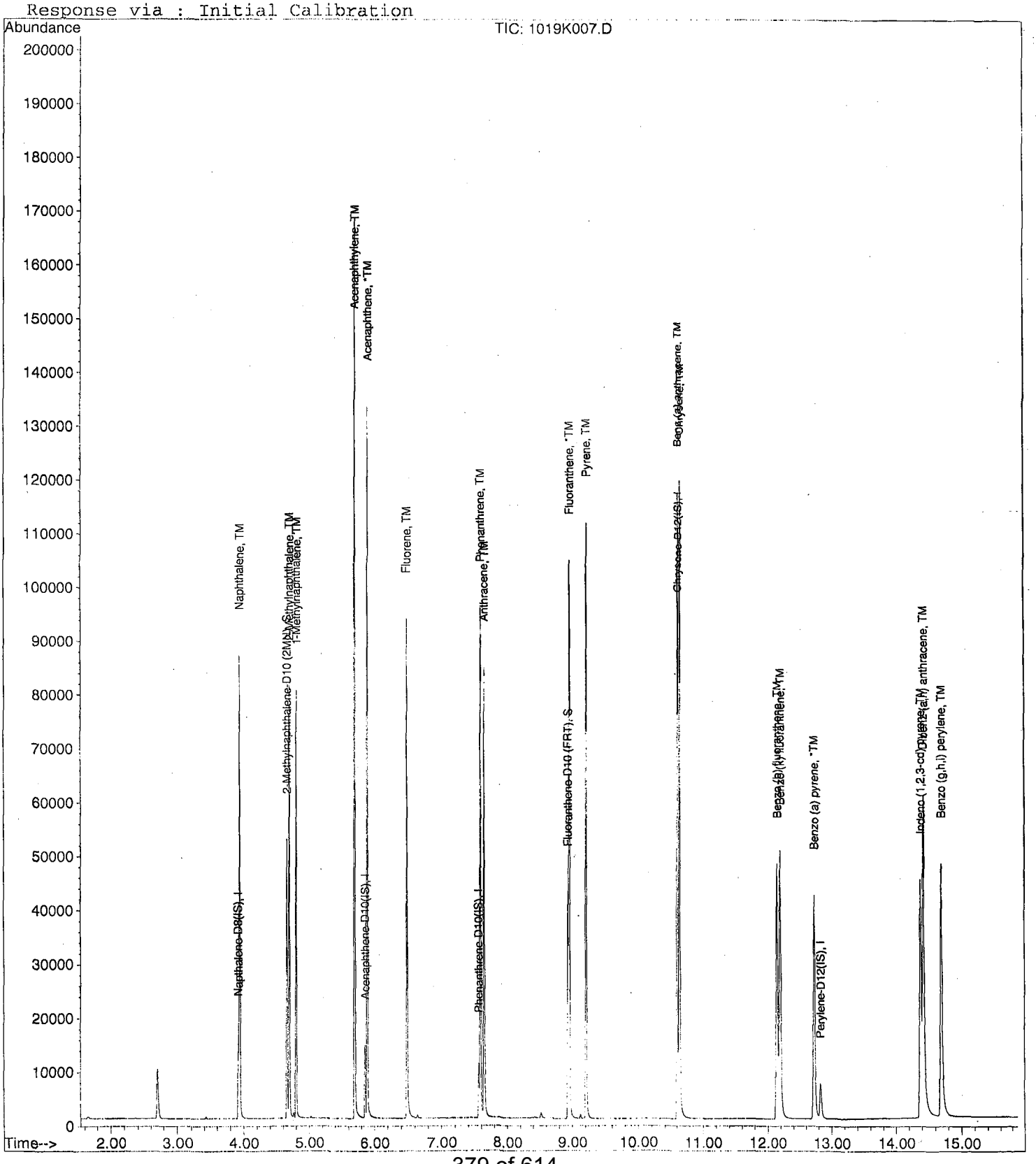
Quantitation Report

Data File : M:\KYLO\DATA\211019\1019K007.D
Acq On : 19 Oct 21 15:49
Sample : 10 ug/ml 10/13/21
Misc :

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

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

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



Quantitation Report (Not Reviewed)

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

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

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

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

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

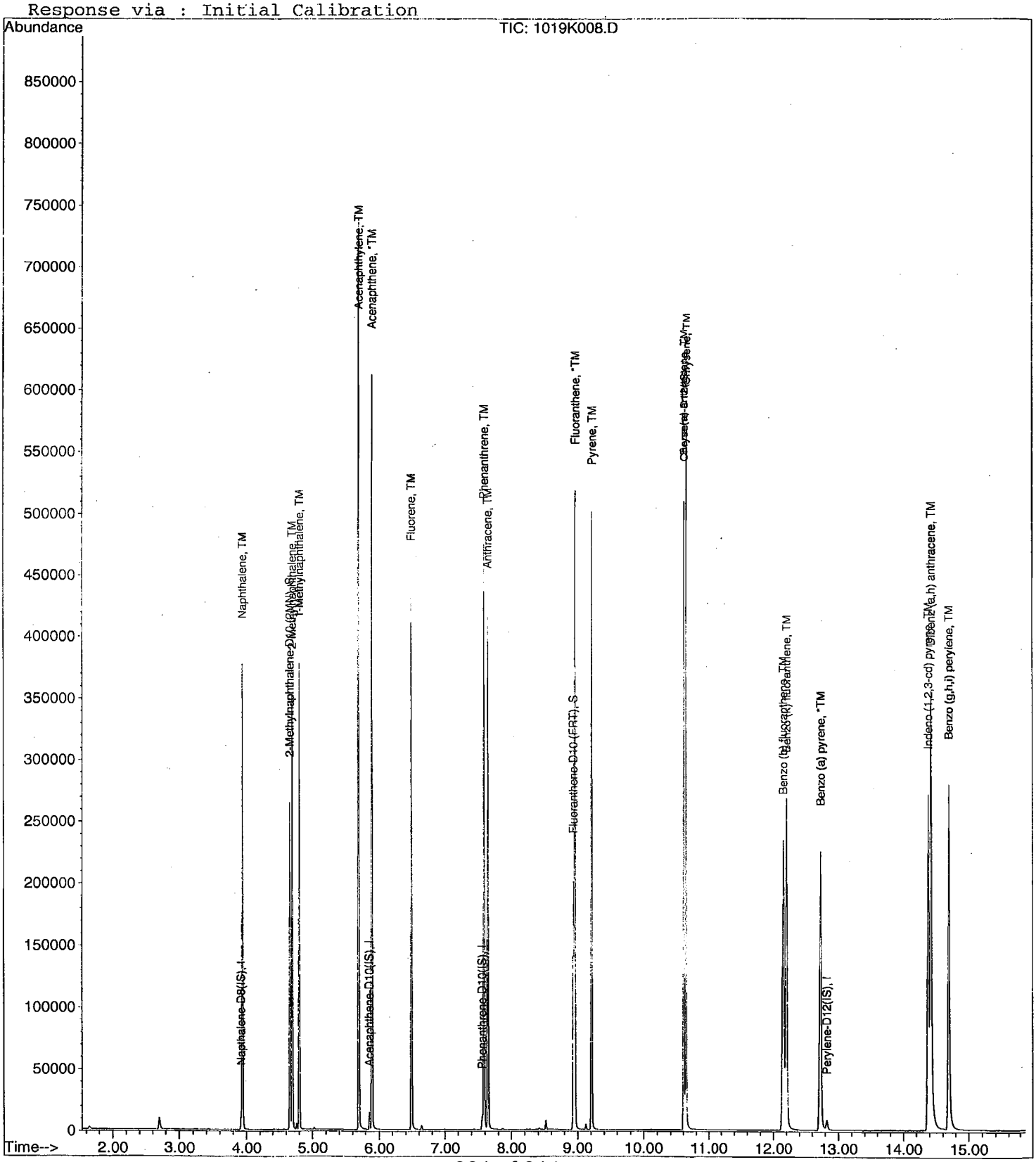
Quantitation Report

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

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

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

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



Quantitation Report (Not Reviewed)

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

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

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

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

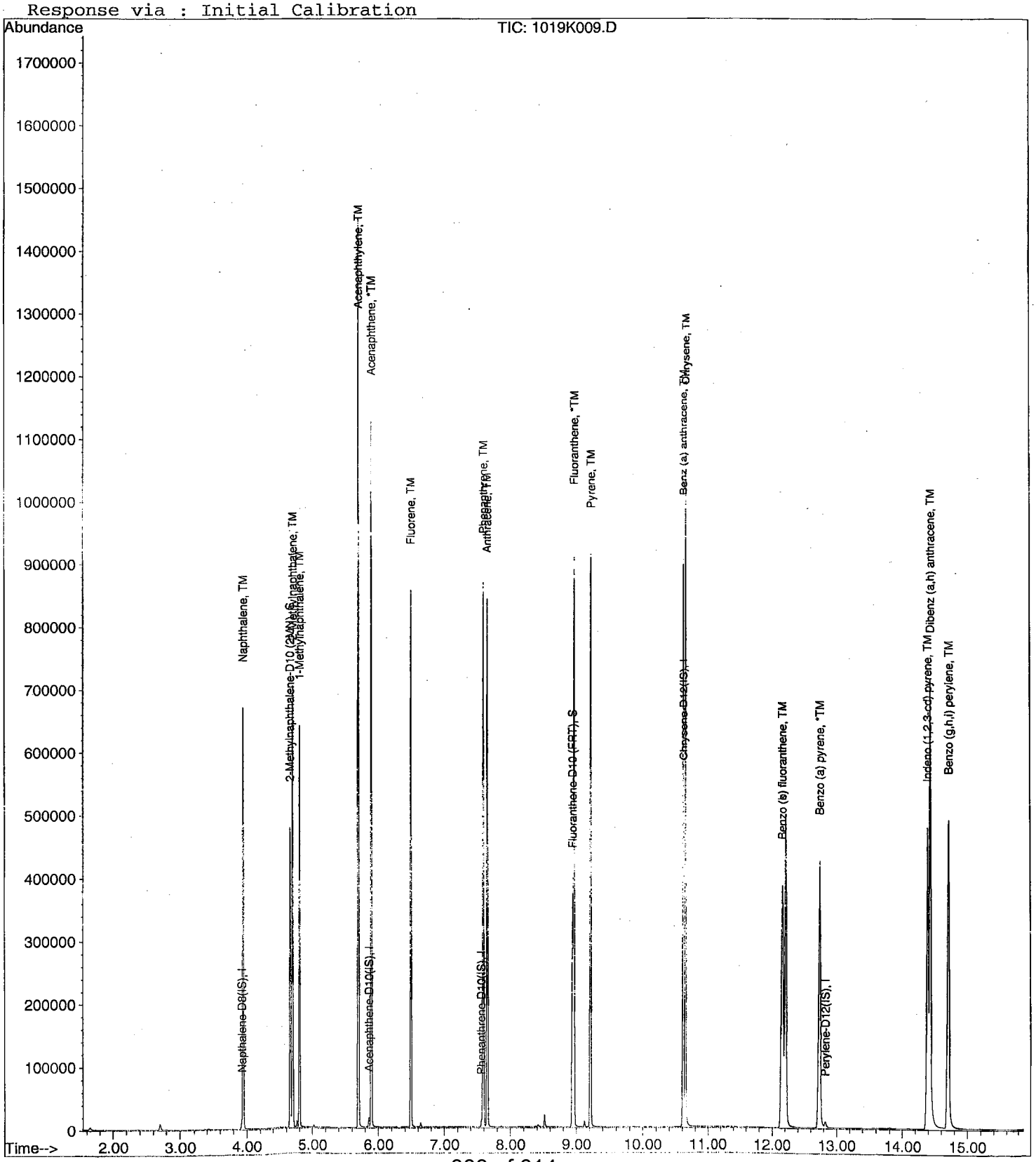
(#) = qualifier out of range (m) = manual integration

Quantitation Report

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

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

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



Form 7

Second Source Calibration

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

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

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

Quantitation Report (Not Reviewed)

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

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

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

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

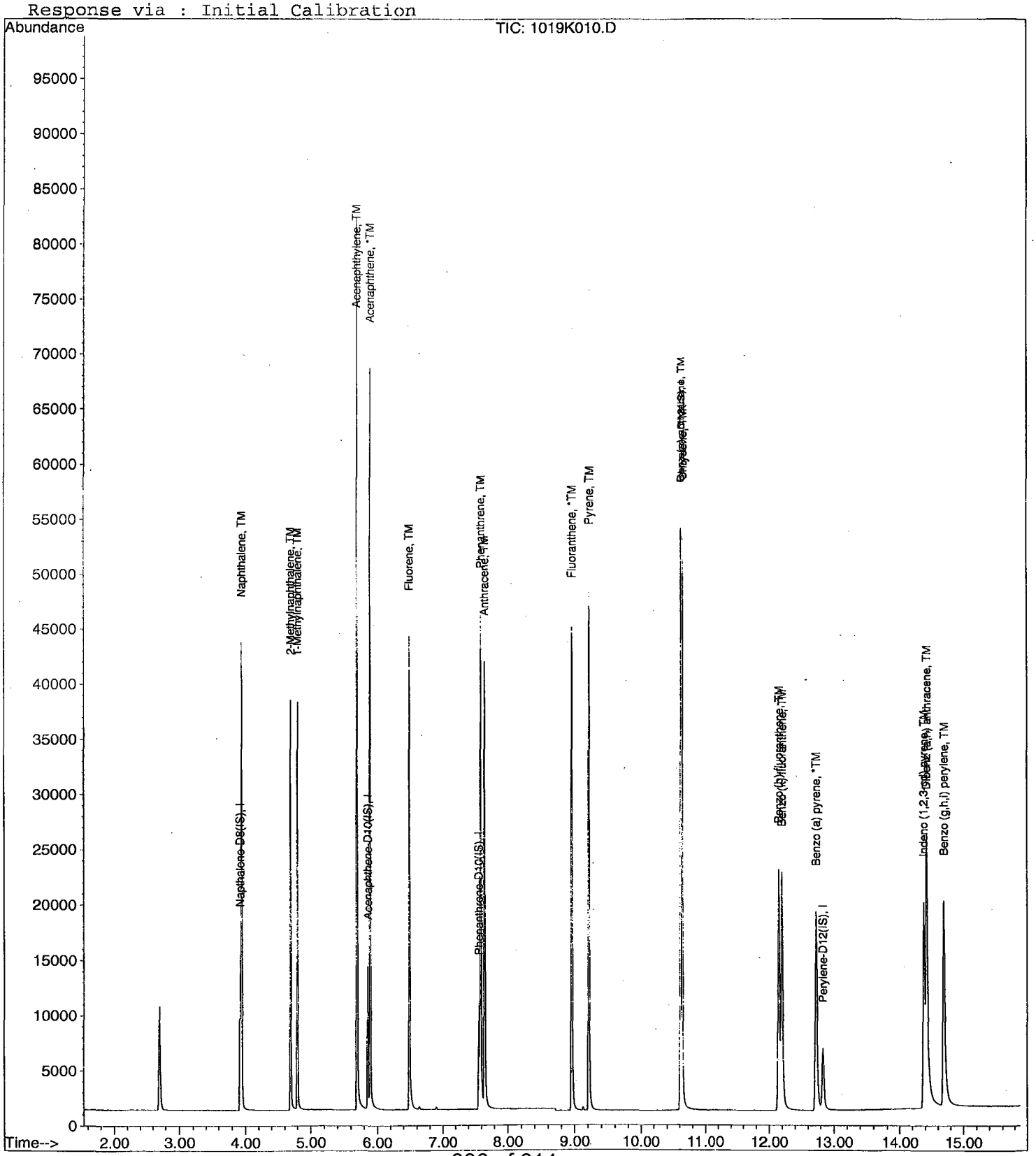
(#) = qualifier out of range (m) = manual integration

Quantitation Report

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

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

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



PAH by GCMS SIM
EPA 8270 SIM

Form 7

Continuing Calibration

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

SDG No:
Date Analyzed: 2 Nov 21 9:45
Instrument: KYLO
Initial Cal. Date: 10/19/2021
Data File: 1019K209.D

		Compound	MEAN	CCRF	%D	%Drift	
1	I	Napthalene-D8(IS)	ISTD			I	
2	TM	Naphthalene	1.299	1.326	2.1	TM	
3	S	2-Methylnaphthalene-D10 (2MN)	1.277	1.295	1.5	S	
4	TM	2-Methylnaphthalene	0.7611	0.8139	6.9	TM	
5	TM	1-Methylnaphthalene	0.7681	0.8107	5.5	TM	
6	I	Acenaphthene-D10(IS)	ISTD			I	
7	TM	Acenaphthylene	5.176	5.416	4.6	TM	
8	*TM	Acenaphthene	1.371	1.435	4.7	*TM	
9	TM	Fluorene	1.589	1.715	7.9	TM	
10	I	Phenanthrene-D10(IS)	ISTD			I	
11	TM	Phenanthrene	1.376	1.447	5.2	TM	
12	TM	Anthracene	1.299	1.365	5.0	TM	
13	S	Fluoranthene-D10 (FRT)	1.949	2.007	3.0	S	
14	*TM	Fluoranthene	2.137	2.351	10	*TM	
15	I	Chrysene-D12(IS)	ISTD			I	
16	TM	Pyrene	1.914	2.006	4.8	TM	
17	TM	Benz (a) anthracene	1.401	1.528	9.1	TM	
18	TM	Chrysene	1.558	1.547	0.72	TM	
19	TML	Indeno (1,2,3-cd) pyrene	1.272	1.215	4.5	TML	7.6
20	I	Perylene-D12(IS)	ISTD			I	
21	TM	Benzo (b) fluoranthene	1.408	1.565	11	TM	
22	TM	Benzo (k) fluoranthene	1.610	1.654	2.7	TM	
23	*TM	Benzo (a) pyrene	1.341	1.455	8.5	*TM	
24	TM	Dibenz (a,h) anthracene	1.326	1.391	4.9	TM	
25	TM	Benzo (g,h,i) perylene	1.443	1.519	5.3	TM	
26							
27							
28							
29							
30							
31							
32							
33							
34							
35							
36							
37							
38							
39							
40							
		Average			5.4		

Quantitation Report (Not Reviewed)

Data File : M:\KYLO\DATA\211019\1019K209.D Vial: 59
Acq On : 2 Nov 21 9:45 Operator: LS
Sample : 5 ug/ml 10/19/21 (1) Inst : KYLO
Misc : Multiplr: 1.00

Quant Time: Nov 2 10:01 2021 Quant Results File: K1019.RES

Quant Method : M:\KYLO\DATA\211019\K1019.M (RTE Integrator)
Title : EPA 8270
Last Update : Wed Oct 27 10:57:36 2021
Response via : Initial Calibration
DataAcq Meth : SIM_2

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Napthalene-D8(IS)	3.89	136	13695	2.50000 ppb	0.00
6) Acenaphthene-D10(IS)	5.82	164	6808	2.50000 ppb	-0.03
10) Phenanthrene-D10(IS)	7.52	188	10720	2.50000 ppb	-0.03
15) Chrysene-D12(IS)	10.58	240	13017	2.50000 ppb	-0.04
20) Perylene-D12(IS)	12.76	264	11963	2.50000 ppb	-0.07
System Monitoring Compounds					
3) 2-Methylnaphthalene-D10 (2	4.62	152	17741	2.53680 ppb	-0.03
Spiked Amount 5.000			Recovery =	50.740%	
13) Fluoranthene-D10 (FRT)	8.90	212	21514	2.57446 ppb	-0.04
Spiked Amount 5.000			Recovery =	51.480%	
Target Compounds					Qvalue
2) Naphthalene	3.91	128	36312	5.10435 ppb	99
4) 2-Methylnaphthalene	4.66	142	22293	5.34697 ppb	98
5) 1-Methylnaphthalene	4.77	142	22205	5.27719 ppb	99
7) Acenaphthylene	5.66	152	73738	5.23175 ppb	100
8) Acenaphthene	5.86	154	19536	5.23313 ppb	98
9) Fluorene	6.45	166	23349	5.39737 ppb	99
11) Phenanthrene	7.55	178	31019	5.25792 ppb	99
12) Anthracene	7.61	178	29258	5.25081 ppb	99
14) Fluoranthene	8.92	202	50414	5.50088 ppb	99
16) Pyrene	9.17	202	52229	5.24045 ppb	99
17) Benz (a) anthracene	10.57	228	39792	5.45398 ppb	99
18) Chrysene	10.61	228	40266	4.96406 ppb	99
19) Indeno (1,2,3-cd) pyrene	14.32	276	31623	5.38215 ppb	96
21) Benzo (b) fluoranthene	12.08	252	37440	5.55714 ppb	98
22) Benzo (k) fluoranthene	12.12	252	39578	5.13709 ppb	99
23) Benzo (a) pyrene	12.65	252	34816	5.42554 ppb	99
24) Dibenz (a,h) anthracene	14.36	278	33284	5.24568 ppb	98
25) Benzo (g,h,i) perylene	14.63	276	36342	5.26304 ppb	100

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

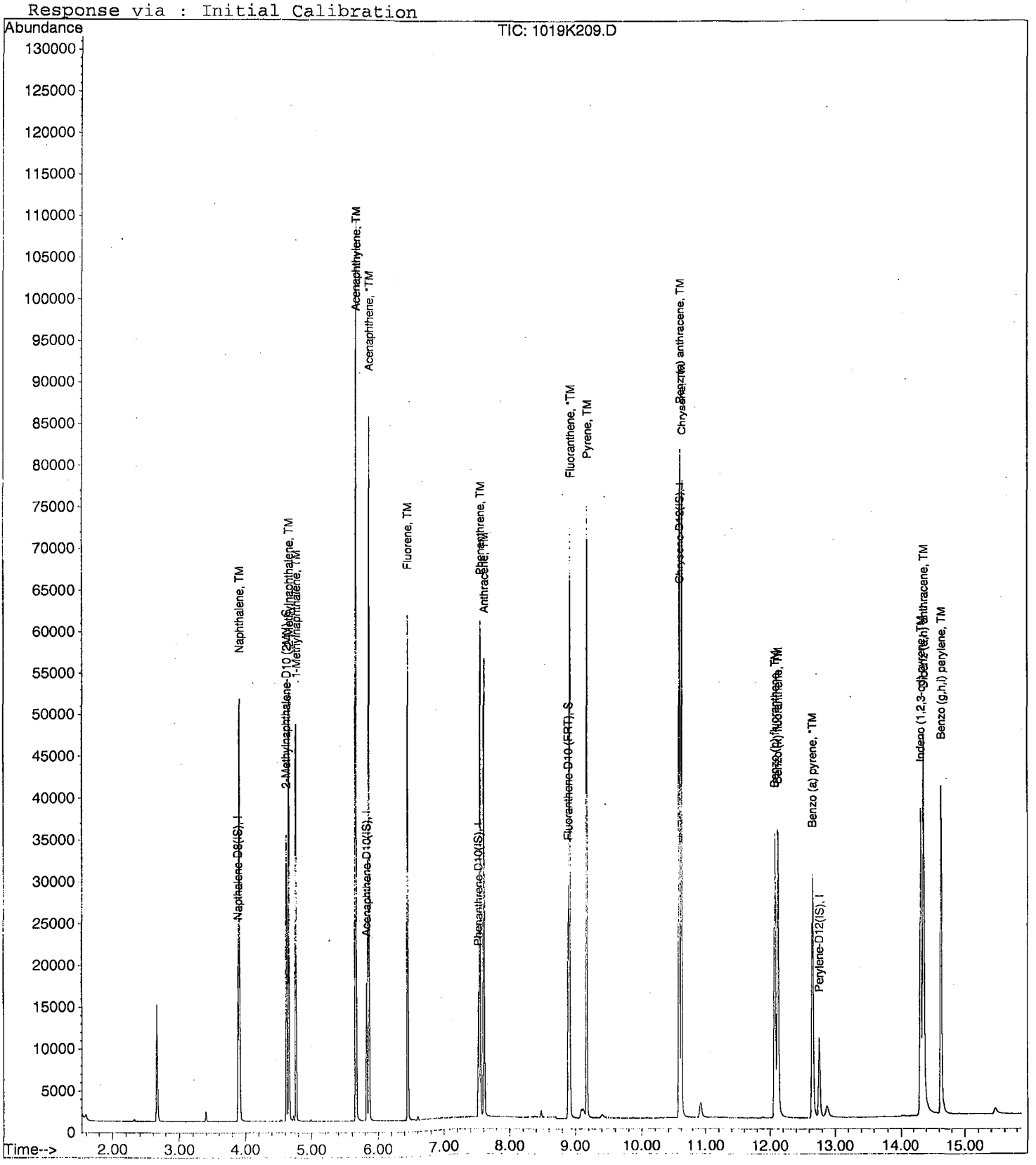
Quantitation Report

Data File : M:\KYLO\DATA\211019\1019K209.D
Acq On : 2 Nov 21 9:45
Sample : 5 ug/ml 10/19/21 (1)
Misc :

Vial: 59
Operator: LS
Inst : KYLO
Multiplr: 1.00

Quant Time: Nov 2 10:01 2021 Quant Results File: K1019.RES

Method : M:\KYLO\DATA\211019\K1019.M (RTE Integrator)
Title : EPA 8270
Last Update : Wed Oct 27 10:57:36 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: 3 Nov 21 7:04
Instrument: KYLO
Initial Cal. Date: 10/19/2021
Data File: 1019K232.D

		Compound	MEAN	CCRF	%D		%Drift
1	I	Napthalene-D8(IS)	ISTD			I	
2	TM	Naphthalene	1.299	1.300	0.12	TM	
3	S	2-Methylnaphthalene-D10 (2MN)	1.277	1.287	0.80	S	
4	TM	2-Methylnaphthalene	0.7611	0.8024	5.4	TM	
5	TM	1-Methylnaphthalene	0.7681	0.7922	3.1	TM	
6	I	Acenaphthene-D10(IS)	ISTD			I	
7	TM	Acenaphthylene	5.176	5.448	5.3	TM	
8	*TM	Acenaphthene	1.371	1.396	1.8	*TM	
9	TM	Fluorene	1.589	1.686	6.2	TM	
10	I	Phenanthrene-D10(IS)	ISTD			I	
11	TM	Phenanthrene	1.376	1.422	3.4	TM	
12	TM	Anthracene	1.299	1.352	4.0	TM	
13	S	Fluoranthene-D10 (FRT)	1.949	2.129	9.2	S	
14	*TM	Fluoranthene	2.137	2.295	7.4	*TM	
15	I	Chrysene-D12(IS)	ISTD			I	
16	TM	Pyrene	1.914	1.910	0.20	TM	
17	TM	Benz (a) anthracene	1.401	1.518	8.3	TM	
18	TM	Chrysene	1.558	1.502	3.6	TM	
19	TML	Indeno (1,2,3-cd) pyrene	1.272	1.162	8.7	TML	3.1
20	I	Perylene-D12(IS)	ISTD			I	
21	TM	Benzo (b) fluoranthene	1.408	1.522	8.1	TM	
22	TM	Benzo (k) fluoranthene	1.610	1.577	2.0	TM	
23	*TM	Benzo (a) pyrene	1.341	1.413	5.3	*TM	
24	TM	Dibenz (a,h) anthracene	1.326	1.293	2.5	TM	
25	TM	Benzo (g,h,i) perylene	1.443	1.440	0.23	TM	
26							
27							
28							
29							
30							
31							
32							
33							
34							
35							
36							
37							
38							
39							
40							
		Average			4.3		

Quantitation Report (Not Reviewed)

Data File : M:\KYLO\DATA\211019\1019K232.D Vial: 82
Acq On : 3 Nov 21 7:04 Operator: LS
Sample : 5 ug/ml 10/10/21 (2) Inst : KYLO
Misc : Multiplr: 1.00

Quant Time: Nov 3 7:21 2021 Quant Results File: K1019.RES

Quant Method : M:\KYLO\DATA\211019\K1019.M (RTE Integrator)
Title : EPA 8270
Last Update : Wed Oct 27 10:57:36 2021
Response via : Initial Calibration
DataAcq Meth : SIM_2

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Napthalene-D8(IS)	3.88	136	14804	2.50000 ppb	-0.01
6) Acenaphthene-D10(IS)	5.82	164	7513	2.50000 ppb	-0.03
10) Phenanthrene-D10(IS)	7.52	188	12019	2.50000 ppb	-0.03
15) Chrysene-D12(IS)	10.59	240	14957	2.50000 ppb	-0.03
20) Perylene-D12(IS)	12.77	264	14119	2.50000 ppb	-0.06
System Monitoring Compounds					
3) 2-Methylnaphthalene-D10 (2	4.62	152	19050	2.51992 ppb	-0.03
Spiked Amount 5.000			Recovery = 50.400%		
13) Fluoranthene-D10 (FRT)	8.90	212	25584	2.73062 ppb	-0.03
Spiked Amount 5.000			Recovery = 54.620%		
Target Compounds					Qvalue
2) Naphthalene	3.90	128	38496	5.00598 ppb	100
4) 2-Methylnaphthalene	4.66	142	23758	5.27147 ppb	97
5) 1-Methylnaphthalene	4.76	142	23455	5.15668 ppb	99
7) Acenaphthylene	5.66	152	81865	5.26332 ppb	100
8) Acenaphthene	5.86	154	20972	5.09063 ppb	99
9) Fluorene	6.45	166	25340	5.30795 ppb	100
11) Phenanthrene	7.55	178	34185	5.16831 ppb	99
12) Anthracene	7.61	178	32496	5.20161 ppb	99
14) Fluoranthene	8.92	202	55160	5.36824 ppb	100
16) Pyrene	9.18	202	57146	4.99010 ppb	98
17) Benz (a) anthracene	10.57	228	45402	5.41575 ppb	99
18) Chrysene	10.62	228	44935	4.82114 ppb	99
19) Indeno (1,2,3-cd) pyrene	14.33	276	34746	5.15495 ppb	91
21) Benzo (b) fluoranthene	12.09	252	42991	5.40667 ppb	98
22) Benzo (k) fluoranthene	12.13	252	44533	4.89758 ppb	98
23) Benzo (a) pyrene	12.67	252	39887	5.26662 ppb	97
24) Dibenz (a,h) anthracene	14.38	278	36521	4.87692 ppb	100
25) Benzo (g,h,i) perylene	14.64	276	40653	4.98835 ppb	98

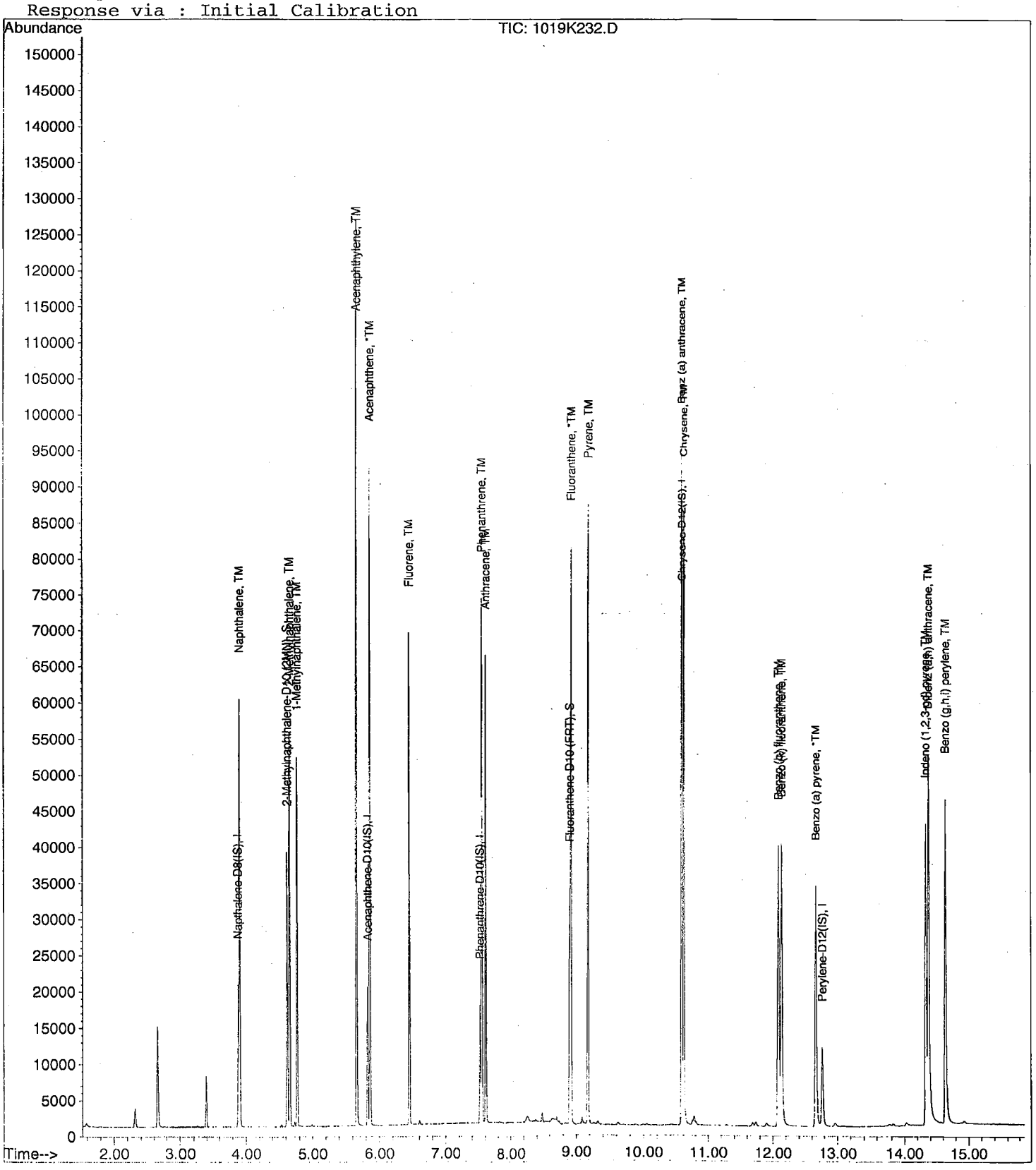
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\KYLO\DATA\211019\1019K232.D Vial: 82
Acq On : 3 Nov 21 7:04 Operator: LS
Sample : 5 ug/ml 10/10/21 (2) Inst : KYLO
Misc : Multiplr: 1.00

Quant Time: Nov 3 7:21 2021 Quant Results File: K1019.RES

Method : M:\KYLO\DATA\211019\K1019.M (RTE Integrator)
Title : EPA 8270
Last Update : Wed Oct 27 10:57:36 2021
Response via : Initial Calibration



PAH by GCMS SIM
EPA 8270 SIM

Form 7

Continuing Calibration

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

SDG No:
Date Analyzed: 4 Nov 21 13:05
Instrument: KYLO
Initial Cal. Date: 10/19/2021
Data File: 1019K277.D

		Compound	MEAN	CCRF	%D		%Drift
1	I	Napthalene-D8(IS)	ISTD			I	
2	TM	Naphthalene	1.299	1.323	1.8	TM	
3	S	2-Methylnaphthalene-D10 (2MN)	1.277	1.283	0.50	S	
4	TM	2-Methylnaphthalene	0.7611	0.8080	6.2	TM	
5	TM	1-Methylnaphthalene	0.7681	0.8107	5.5	TM	
6	I	Acenaphthene-D10(IS)	ISTD			I	
7	TM	Acenaphthylene	5.176	5.382	4.0	TM	
8	*TM	Acenaphthene	1.371	1.440	5.0	*TM	
9	TM	Fluorene	1.589	1.678	5.6	TM	
10	I	Phenanthrene-D10(IS)	ISTD			I	
11	TM	Phenanthrene	1.376	1.441	4.8	TM	
12	TM	Anthracene	1.299	1.379	6.1	TM	
13	S	Fluoranthene-D10 (FRT)	1.949	1.975	1.3	S	
14	*TM	Fluoranthene	2.137	2.305	7.8	*TM	
15	I	Chrysene-D12(IS)	ISTD			I	
16	TM	Pyrene	1.914	2.011	5.0	TM	
17	TM	Benz (a) anthracene	1.401	1.543	10	TM	
18	TM	Chrysene	1.558	1.549	0.59	TM	
19	TML	Indeno (1,2,3-cd) pyrene	1.272	1.238	2.7	TML	9.7
20	I	Perylene-D12(IS)	ISTD			I	
21	TM	Benzo (b) fluoranthene	1.408	1.500	6.5	TM	
22	TM	Benzo (k) fluoranthene	1.610	1.611	0.09	TM	
23	*TM	Benzo (a) pyrene	1.341	1.449	8.1	*TM	
24	TM	Dibenz (a,h) anthracene	1.326	1.315	0.81	TM	
25	TM	Benzo (g,h,i) perylene	1.443	1.452	0.64	TM	
26							
27							
28							
29							
30							
31							
32							
33							
34							
35							
36							
37							
38							
39							
40							
		Average			4.2		

Quantitation Report (Not Reviewed)

Data File : M:\KYLO\DATA\211019\1019K277.D Vial: 127
Acq On : 4 Nov 21 13:05 Operator: LS
Sample : 5 ug/ml 10/19/21 (1) Inst : KYLO
Misc : Multiplr: 1.00

Quant Time: Nov 4 13:21 2021 Quant Results File: K1019.RES

Quant Method : M:\KYLO\DATA\211019\K1019.M (RTE Integrator)
Title : EPA 8270
Last Update : Wed Oct 27 10:57:36 2021
Response via : Initial Calibration
DataAcq Meth : SIM_2

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Napthalene-D8(IS)	3.89	136	13969	2.50000 ppb	0.00
6) Acenaphthene-D10(IS)	5.82	164	6880	2.50000 ppb	-0.03
10) Phenanthrene-D10(IS)	7.52	188	10814	2.50000 ppb	-0.03
15) Chrysene-D12(IS)	10.58	240	12850	2.50000 ppb	-0.04
20) Perylene-D12(IS)	12.76	264	12936	2.50000 ppb	-0.07
System Monitoring Compounds					
3) 2-Methylnaphthalene-D10 (2	4.62	152	17923	2.51256 ppb	-0.03
Spiked Amount 5.000			Recovery	= 50.260%	
13) Fluoranthene-D10 (FRT)	8.90	212	21355	2.53322 ppb	-0.04
Spiked Amount 5.000			Recovery	= 50.660%	
Target Compounds					Qvalue
2) Naphthalene	3.91	128	36950	5.09215 ppb	100
4) 2-Methylnaphthalene	4.66	142	22574	5.30816 ppb	100
5) 1-Methylnaphthalene	4.77	142	22648	5.27690 ppb	99
7) Acenaphthylene	5.66	152	74056	5.19932 ppb	100
8) Acenaphthene	5.86	154	19812	5.25152 ppb	98
9) Fluorene	6.45	166	23087	5.28096 ppb	98
11) Phenanthrene	7.55	178	31170	5.23759 ppb	99
12) Anthracene	7.61	178	29832	5.30729 ppb	99
14) Fluoranthene	8.92	202	49853	5.39238 ppb	99
16) Pyrene	9.17	202	51674	5.25215 ppb	100
17) Benz (a) anthracene	10.57	228	39653	5.50556 ppb	99
18) Chrysene	10.61	228	39801	4.97050 ppb	98
19) Indeno (1,2,3-cd) pyrene	14.32	276	31826	5.48340 ppb	99
21) Benzo (b) fluoranthene	12.08	252	38811	5.32734 ppb	99
22) Benzo (k) fluoranthene	12.13	252	41691	5.00433 ppb	98
23) Benzo (a) pyrene	12.65	252	37493	5.40324 ppb	99
24) Dibenz (a,h) anthracene	14.36	278	34026	4.95927 ppb	98
25) Benzo (g,h,i) perylene	14.63	276	37572	5.03190 ppb	98

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

Quantitation Report

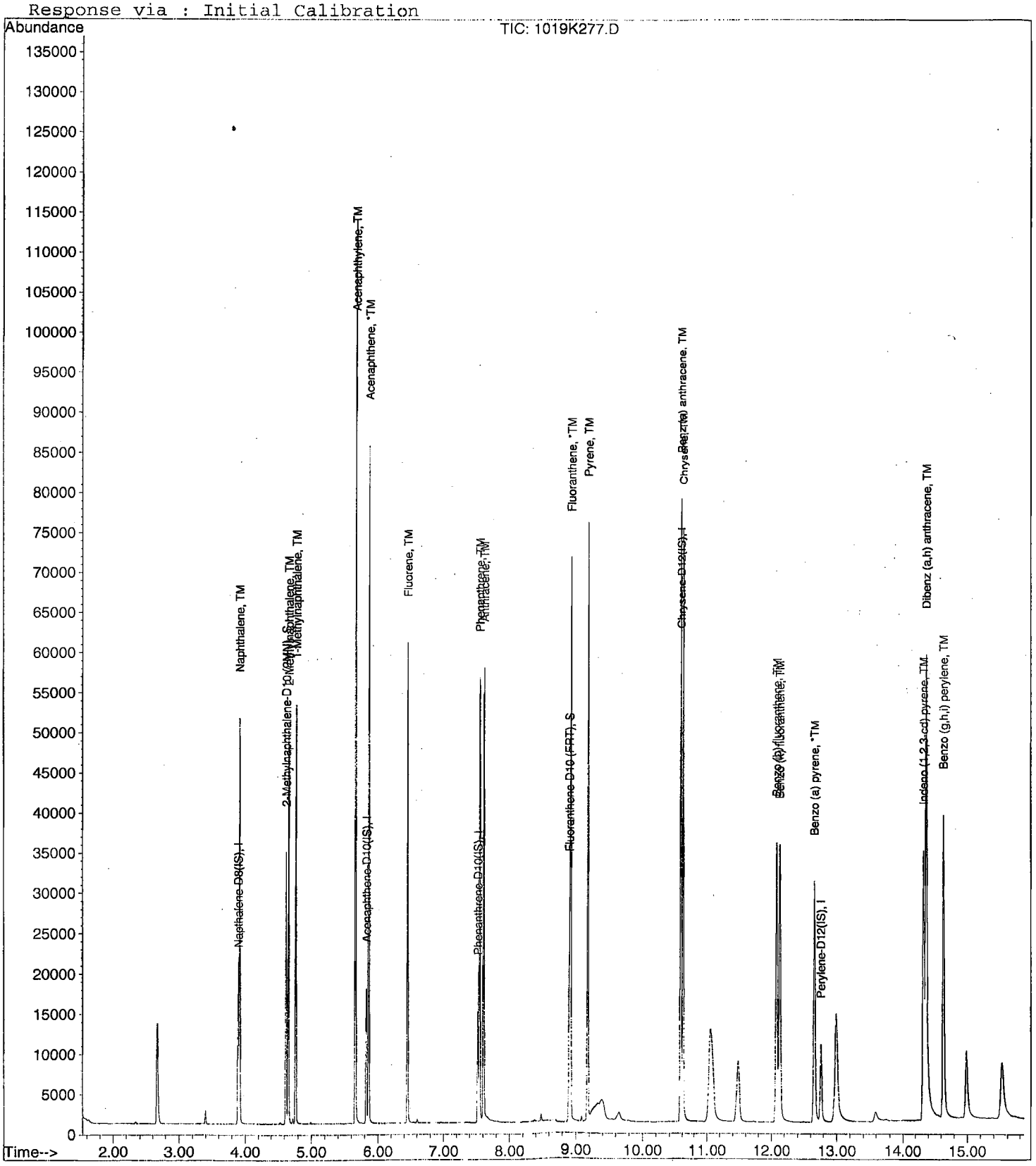
Data File : M:\KYLO\DATA\211019\1019K277.D
Acq On : 4 Nov 21 13:05
Sample : 5 ug/ml 10/19/21 (1)
Misc :

Vial: 127
Operator: LS
Inst : KYLO
Multiplr: 1.00

Quant Time: Nov 4 13:21 2021

Quant Results File: K1019.RES

Method : M:\KYLO\DATA\211019\K1019.M (RTE Integrator)
Title : EPA 8270
Last Update : Wed Oct 27 10:57:36 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: 5 Nov 21 00:45
Instrument: KYLO
Initial Cal. Date: 10/19/2021
Data File: 1019K312.D

		Compound	MEAN	CCRF	%D	%Drift	
1	I	Napthalene-D8(IS)	ISTD			I	
2	TM	Naphthalene	1.299	1.310	0.84	TM	
3	S	2-Methylnaphthalene-D10 (2MN)	1.277	1.292	1.2	S	
4	TM	2-Methylnaphthalene	0.7611	0.8002	5.1	TM	
5	TM	1-Methylnaphthalene	0.7681	0.7992	4.0	TM	
6	I	Acenaphthene-D10(IS)	ISTD			I	
7	TM	Acenaphthylene	5.176	5.487	6.0	TM	
8	*TM	Acenaphthene	1.371	1.411	3.0	*TM	
9	TM	Fluorene	1.589	1.670	5.1	TM	
10	I	Phenanthrene-D10(IS)	ISTD			I	
11	TM	Phenanthrene	1.376	1.452	5.5	TM	
12	TM	Anthracene	1.299	1.361	4.7	TM	
13	S	Fluoranthene-D10 (FRT)	1.949	2.070	6.2	S	
14	*TM	Fluoranthene	2.137	2.312	8.2	*TM	
15	I	Chrysene-D12(IS)	ISTD			I	
16	TM	Pyrene	1.914	1.956	2.2	TM	
17	TM	Benz (a) anthracene	1.401	1.463	4.4	TM	
18	TM	Chrysene	1.558	1.537	1.3	TM	
19	TML	Indeno (1,2,3-cd) pyrene	1.272	1.065	16	TML	5.1
20	I	Perylene-D12(IS)	ISTD			I	
21	TM	Benzo (b) fluoranthene	1.408	1.528	8.5	TM	
22	TM	Benzo (k) fluoranthene	1.610	1.672	3.9	TM	
23	*TM	Benzo (a) pyrene	1.341	1.416	5.6	*TM	
24	TM	Dibenz (a,h) anthracene	1.326	1.331	0.38	TM	
25	TM	Benzo (g,h,i) perylene	1.443	1.461	1.2	TM	
26							
27							
28							
29							
30							
31							
32							
33							
34							
35							
36							
37							
38							
39							
40							
		Average			4.7		

Quantitation Report (Not Reviewed)

Data File : M:\KYLO\DATA\211019\1019K312.D Vial: 12
Acq On : 5 Nov 21 00:45 Operator: LS
Sample : 5 ug/ml 10/10/21 (2) Inst : KYLO
Misc : Multiplr: 1.00

Quant Time: Nov 5 8:11 2021 Quant Results File: K1019.RES

Quant Method : M:\KYLO\DATA\211019\K1019.M (RTE Integrator)
Title : EPA 8270
Last Update : Wed Oct 27 10:57:36 2021
Response via : Initial Calibration
DataAcq Meth : SIM_2

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Napthalene-D8(IS)	3.89	136	17223	2.50000 ppb	0.00
6) Acenaphthene-D10(IS)	5.82	164	8616	2.50000 ppb	-0.03
10) Phenanthrene-D10(IS)	7.52	188	13487	2.50000 ppb	-0.03
15) Chrysene-D12(IS)	10.57	240	16370	2.50000 ppb	-0.04
20) Perylene-D12(IS)	12.76	264	14492	2.50000 ppb	-0.07
System Monitoring Compounds					
3) 2-Methylnaphthalene-D10 (2	4.63	152	22244	2.52915 ppb	-0.03
Spiked Amount 5.000			Recovery =	50.580%	
13) Fluoranthene-D10 (FRT)	8.90	212	27913	2.65492 ppb	-0.04
Spiked Amount 5.000			Recovery =	53.100%	
Target Compounds					Qvalue
2) Naphthalene	3.91	128	45107	5.04182 ppb	100
4) 2-Methylnaphthalene	4.66	142	27564	5.25696 ppb	97
5) 1-Methylnaphthalene	4.77	142	27529	5.20231 ppb	99
7) Acenaphthylene	5.66	152	94555	5.30095 ppb	100
8) Acenaphthene	5.86	154	24322	5.14800 ppb	100
9) Fluorene	6.45	166	28773	5.25549 ppb	99
11) Phenanthrene	7.55	178	39155	5.27537 ppb	100
12) Anthracene	7.61	178	36699	5.23499 ppb	99
14) Fluoranthene	8.92	202	62367	5.40898 ppb	99
16) Pyrene	9.17	202	64040	5.10941 ppb	98
17) Benz (a) anthracene	10.56	228	47914	5.22206 ppb	99
18) Chrysene	10.61	228	50337	4.93455 ppb	98
19) Indeno (1,2,3-cd) pyrene	14.32	276	34875	4.74322 ppb	97
21) Benzo (b) fluoranthene	12.08	252	44277	5.42508 ppb	100
22) Benzo (k) fluoranthene	12.12	252	48462	5.19250 ppb	99
23) Benzo (a) pyrene	12.66	252	41028	5.27784 ppb	100
24) Dibenz (a,h) anthracene	14.36	278	38579	5.01914 ppb	99
25) Benzo (g,h,i) perylene	14.63	276	42342	5.06187 ppb	97

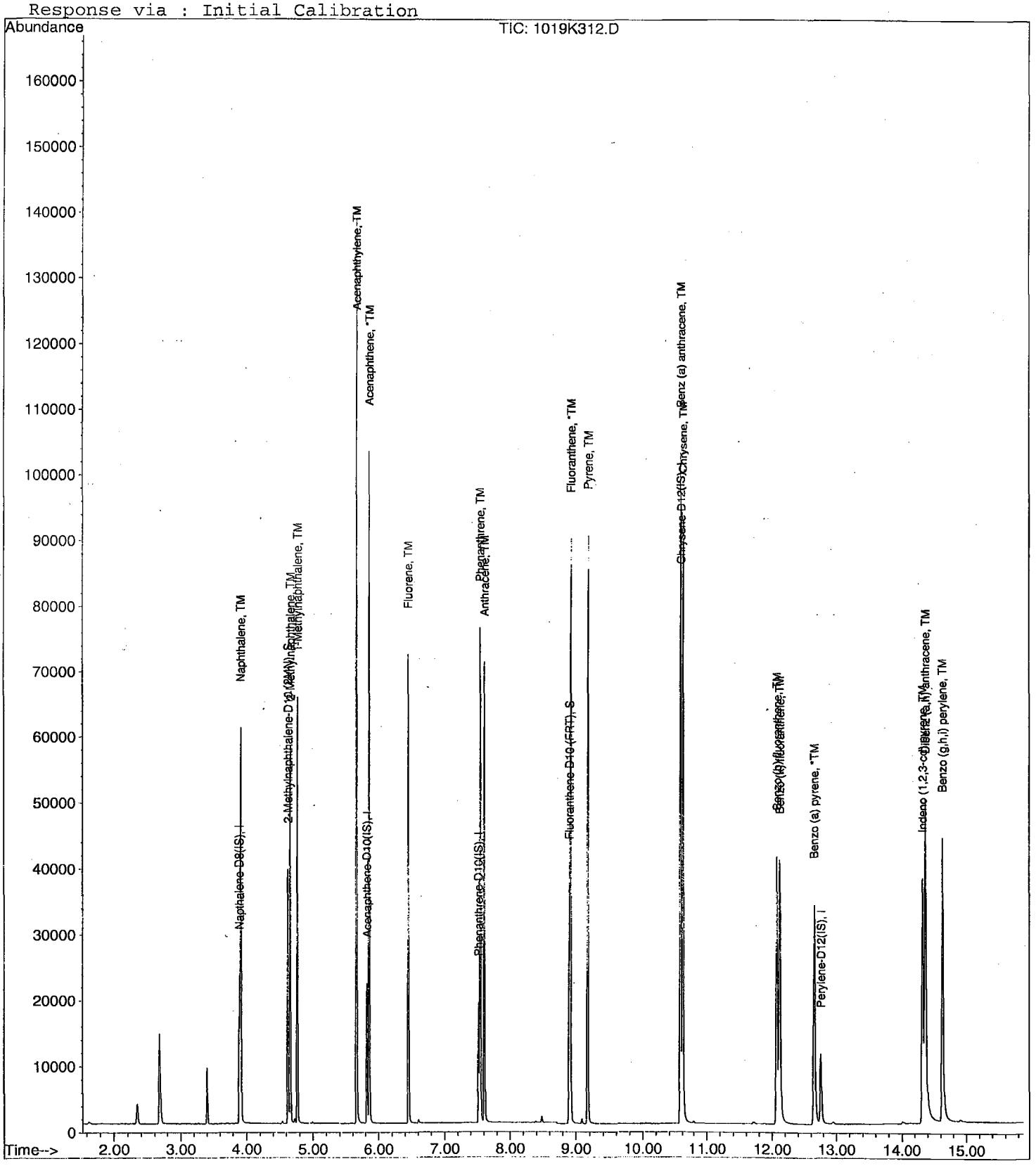
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\KYLO\DATA\211019\1019K312.D Vial: 12
Acq On : 5 Nov 21 00:45 Operator: LS
Sample : 5 ug/ml 10/10/21 (2) Inst : KYLO
Misc : Multiplr: 1.00

Quant Time: Nov 5 8:11 2021 Quant Results File: K1019.RES

Method : M:\KYLO\DATA\211019\K1019.M (RTE Integrator)
Title : EPA 8270
Last Update : Wed Oct 27 10:57:36 2021
Response via : Initial Calibration



PAH by GCMS SIM
EPA 8270 SIM

Form 7

Continuing Calibration

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

SDG No:
Date Analyzed: 9 Nov 21 8:43
Instrument: KYLO
Initial Cal. Date: 10/19/2021
Data File: 1019K358.D

		Compound	MEAN	CCRF	%D		%Drift
1	I	Napthalene-D8(IS)	ISTD			I	
2	TM	Naphthalene	1.299	1.266	2.5	TM	
3	S	2-Methylnaphthalene-D10 (2MN)	1.277	1.189	6.9	S	
4	TM	2-Methylnaphthalene	0.7611	0.7439	2.3	TM	
5	TM	1-Methylnaphthalene	0.7681	0.7544	1.8	TM	
6	I	Acenaphthene-D10(IS)	ISTD			I	
7	TM	Acenaphthylene	5.176	5.154	0.41	TM	
8	*TM	Acenaphthene	1.371	1.425	3.9	*TM	
9	TM	Fluorene	1.589	1.665	4.8	TM	
10	I	Phenanthrene-D10(IS)	ISTD			I	
11	TM	Phenanthrene	1.376	1.427	3.7	TM	
12	TM	Anthracene	1.299	1.376	5.9	TM	
13	S	Fluoranthene-D10 (FRT)	1.949	2.036	4.5	S	
14	*TM	Fluoranthene	2.137	2.319	8.5	*TM	
15	I	Chrysene-D12(IS)	ISTD			I	
16	TM	Pyrene	1.914	1.993	4.1	TM	
17	TM	Benz (a) anthracene	1.401	1.522	8.6	TM	
18	TM	Chrysene	1.558	1.624	4.2	TM	
19	TML	Indeno (1,2,3-cd) pyrene	1.272	1.192	6.4	TML	5.7
20	I	Perylene-D12(IS)	ISTD			I	
21	TM	Benzo (b) fluoranthene	1.408	1.488	5.7	TM	
22	TM	Benzo (k) fluoranthene	1.610	1.642	2.0	TM	
23	*TM	Benzo (a) pyrene	1.341	1.446	7.8	*TM	
24	TM	Dibenz (a,h) anthracene	1.326	1.329	0.21	TM	
25	TM	Benzo (g,h,i) perylene	1.443	1.456	0.91	TM	
26							
27							
28							
29							
30							
31							
32							
33							
34							
35							
36							
37							
38							
39							
40							
		Average			4.3		

Quantitation Report (Not Reviewed)

Data File : M:\KYLO\DATA\211019\1019K358.D Vial: 58
Acq On : 9 Nov 21 8:43 Operator: LS
Sample : 5 ug/ml 10/19/21 (1) Inst : KYLO
Misc : Multiplr: 1.00

Quant Time: Nov 9 9:00 2021 Quant Results File: K1019.RES

Quant Method : M:\KYLO\DATA\211019\K1019.M (RTE Integrator)
Title : EPA 8270
Last Update : Wed Oct 27 10:57:36 2021
Response via : Initial Calibration
DataAcq Meth : SIM_2

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
1) Napthalene-D8(IS)	3.89	136	12333	2.50000 ppb		0.00
6) Acenaphthene-D10(IS)	5.82	164	6177	2.50000 ppb		-0.03
10) Phenanthrene-D10(IS)	7.52	188	9504	2.50000 ppb		-0.03
15) Chrysene-D12(IS)	10.58	240	11371	2.50000 ppb		-0.04
20) Perylene-D12(IS)	12.77	264	10998	2.50000 ppb		-0.06
System Monitoring Compounds						
3) 2-Methylnaphthalene-D10 (2	4.63	152	14663	2.32822 ppb		-0.03
Spiked Amount 5.000			Recovery =	46.560%		
13) Fluoranthene-D10 (FRT)	8.90	212	19350	2.61177 ppb		-0.04
Spiked Amount 5.000			Recovery =	52.240%		
Target Compounds						Qvalue
2) Naphthalene	3.91	128	31231	4.87494 ppb		99
4) 2-Methylnaphthalene	4.66	142	18348	4.88676 ppb		96
5) 1-Methylnaphthalene	4.77	142	18608	4.91072 ppb		100
7) Acenaphthylene	5.66	152	63676	4.97935 ppb		99
8) Acenaphthene	5.86	154	17601	5.19643 ppb		97
9) Fluorene	6.45	166	20574	5.24173 ppb		98
11) Phenanthrene	7.55	178	27124	5.18595 ppb		99
12) Anthracene	7.61	178	26149	5.29328 ppb		99
14) Fluoranthene	8.92	202	44080	5.42514 ppb		96
16) Pyrene	9.17	202	45327	5.20627 ppb		96
17) Benz (a) anthracene	10.57	228	34603	5.42930 ppb		100
18) Chrysene	10.61	228	36931	5.21197 ppb		99
19) Indeno (1,2,3-cd) pyrene	14.32	276	27099	5.28342 ppb	#	90
21) Benzo (b) fluoranthene	12.08	252	32722	5.28302 ppb		98
22) Benzo (k) fluoranthene	12.13	252	36119	5.09948 ppb		99
23) Benzo (a) pyrene	12.66	252	31810	5.39205 ppb		99
24) Dibenz (a,h) anthracene	14.37	278	29226	5.01028 ppb		98
25) Benzo (g,h,i) perylene	14.64	276	32028	5.04527 ppb		97

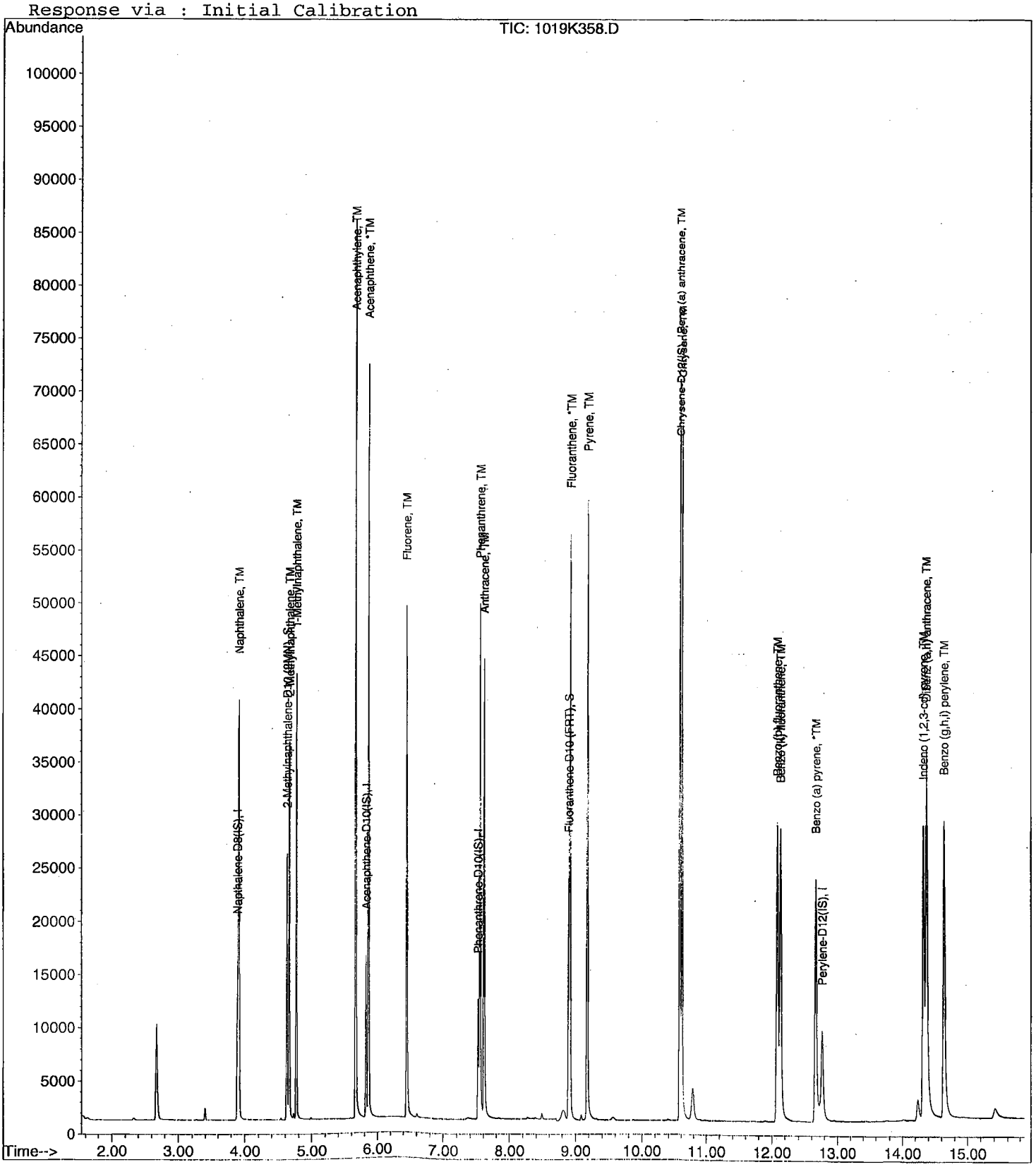
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\KYLO\DATA\211019\1019K358.D Vial: 58
Acq On : 9 Nov 21 8:43 Operator: LS
Sample : 5 ug/ml 10/19/21 (1) Inst : KYLO
Misc : Multiplr: 1.00

Quant Time: Nov 9 9:00 2021 Quant Results File: K1019.RES

Method : M:\KYLO\DATA\211019\K1019.M (RTE Integrator)
Title : EPA 8270
Last Update : Wed Oct 27 10:57:36 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: 9 Nov 21 20:37
Instrument: KYLO
Initial Cal. Date: 10/19/2021
Data File: 1019K391.D

		Compound	MEAN	CCRF	%D		%Drift
1	I	Napthalene-D8(IS)	ISTD			I	
2	TM	Naphthalene	1.299	1.284	1.1	TM	
3	S	2-Methylnaphthalene-D10 (2MN)	1.277	1.265	0.91	S	
4	TM	2-Methylnaphthalene	0.7611	0.7822	2.8	TM	
5	TM	1-Methylnaphthalene	0.7681	0.7877	2.6	TM	
6	I	Acenaphthene-D10(IS)	ISTD			I	
7	TM	Acenaphthylene	5.176	5.376	3.9	TM	
8	*TM	Acenaphthene	1.371	1.407	2.6	*TM	
9	TM	Fluorene	1.589	1.659	4.4	TM	
10	I	Phenanthrene-D10(IS)	ISTD			I	
11	TM	Phenanthrene	1.376	1.400	1.8	TM	
12	TM	Anthracene	1.299	1.345	3.5	TM	
13	S	Fluoranthene-D10 (FRT)	1.949	2.083	6.9	S	
14	*TM	Fluoranthene	2.137	2.312	8.2	*TM	
15	I	Chrysene-D12(IS)	ISTD			I	
16	TM	Pyrene	1.914	1.943	1.5	TM	
17	TM	Benz (a) anthracene	1.401	1.436	2.5	TM	
18	TM	Chrysene	1.558	1.552	0.35	TM	
19	TML	Indeno (1,2,3-cd) pyrene	1.272	1.014	20	TML	9.5
20	I	Perylene-D12(IS)	ISTD			I	
21	TM	Benzo (b) fluoranthene	1.408	1.415	0.47	TM	
22	TM	Benzo (k) fluoranthene	1.610	1.716	6.6	TM	
23	*TM	Benzo (a) pyrene	1.341	1.419	5.8	*TM	
24	TM	Dibenz (a,h) anthracene	1.326	1.366	3.0	TM	
25	TM	Benzo (g,h,i) perylene	1.443	1.428	1.0	TM	
26							
27							
28							
29							
30							
31							
32							
33							
34							
35							
36							
37							
38							
39							
40							
		Average			4.0		

Quantitation Report (Not Reviewed)

Data File : M:\KYLO\DATA\211019\1019K391.D Vial: 91
Acq On : 9 Nov 21 20:37 Operator: LS
Sample : 5 ug/ml 10/10/21 (2) Inst : KYLO
Misc : Multiplr: 1.00

Quant Time: Nov 10 7:47 2021 Quant Results File: K1019.RES

Quant 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
DataAcq Meth : SIM_2

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Napthalene-D8(IS)	3.89	136	14951	2.50000 ppb	0.00
6) Acenaphthene-D10(IS)	5.82	164	7485	2.50000 ppb	-0.03
10) Phenanthrene-D10(IS)	7.52	188	11893	2.50000 ppb	-0.03
15) Chrysene-D12(IS)	10.57	240	14354	2.50000 ppb	-0.04
20) Perylene-D12(IS)	12.76	264	13183	2.50000 ppb	-0.07
System Monitoring Compounds					
3) 2-Methylnaphthalene-D10 (2	4.63	152	18913	2.47720 ppb	-0.03
Spiked Amount 5.000			Recovery =	49.540%	
13) Fluoranthene-D10 (FRT)	8.90	212	24775	2.67228 ppb	-0.04
Spiked Amount 5.000			Recovery =	53.440%	
Target Compounds					Qvalue
2) Naphthalene	3.91	128	38398	4.94414 ppb	99
4) 2-Methylnaphthalene	4.66	142	23389	5.13857 ppb	97
5) 1-Methylnaphthalene	4.77	142	23554	5.12754 ppb	99
7) Acenaphthylene	5.66	152	80480	5.19363 ppb	100
8) Acenaphthene	5.86	154	21064	5.13209 ppb	99
9) Fluorene	6.45	166	24838	5.22226 ppb	99
11) Phenanthrene	7.55	178	33305	5.08861 ppb	99
12) Anthracene	7.61	178	31982	5.17358 ppb	99
14) Fluoranthene	8.92	202	54994	5.40878 ppb	100
16) Pyrene	9.17	202	55789	5.07626 ppb	100
17) Benz (a) anthracene	10.56	228	41233	5.12508 ppb	99
18) Chrysene	10.61	228	44567	4.98253 ppb	99
19) Indeno (1,2,3-cd) pyrene	14.32	276	29106	4.52372 ppb	94
21) Benzo (b) fluoranthene	12.08	252	37296	5.02347 ppb	98
22) Benzo (k) fluoranthene	12.13	252	45252	5.33000 ppb	99
23) Benzo (a) pyrene	12.66	252	37406	5.28970 ppb	98
24) Dibenz (a,h) anthracene	14.37	278	36023	5.15196 ppb	97
25) Benzo (g,h,i) perylene	14.64	276	37659	4.94906 ppb	99

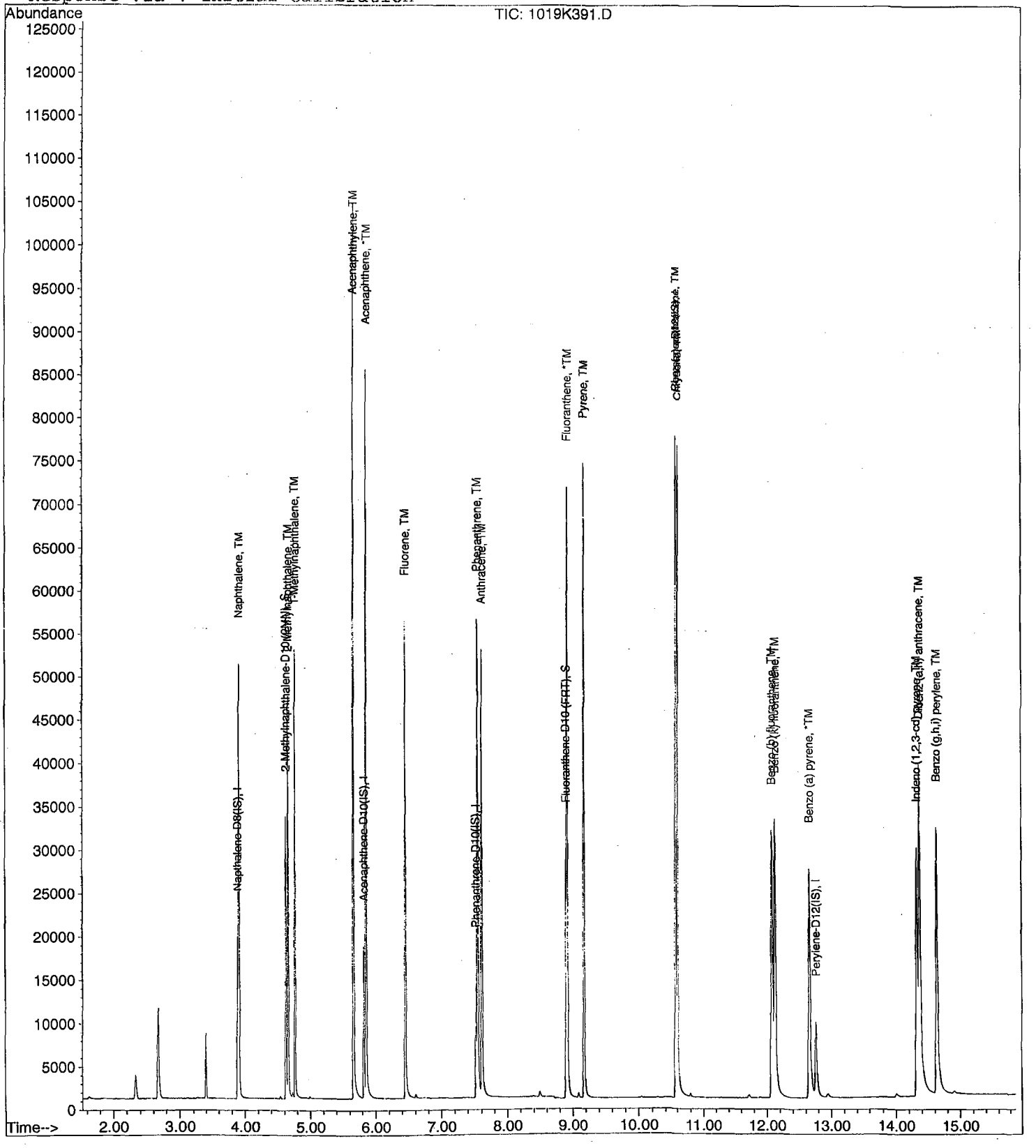
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\KYLO\DATA\211019\1019K391.D Vial: 91
Acq On : 9 Nov 21 20:37 Operator: LS
Sample : 5 ug/ml 10/10/21 (2) Inst : KYLO
Misc : Multiplr: 1.00

Quant Time: Nov 10 7:47 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



ORGANICS
Raw Data

Quantitation Report (QT Reviewed)

Data File : M:\KYLO\DATA\211019\1019K219.D Vial: 69
Acq On : 2 Nov 21 13:16 Operator: LS
Sample : BA44048W07 1/1000 Inst : KYLO
Misc : Multiplr: 1.00

Quant Time: Nov 8 15:56 2021 Quant Results File: K1019.RES

Quant Method : M:\KYLO\DATA\211019\K1019.M (RTE Integrator)
Title : EPA 8270
Last Update : Wed Oct 27 10:57:36 2021
Response via : Initial Calibration
DataAcq Meth : SIM_2

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Napthalene-D8(IS)	3.89	136	11042	2.50 ppb	0.00
6) Acenaphthene-D10(IS)	5.82	164	5594	2.50 ppb	-0.03
10) Phenanthrene-D10(IS)	7.52	188	9237	2.50 ppb	-0.03
15) Chrysene-D12(IS)	10.57	240	11171	2.50 ppb	-0.04
20) Perylene-D12(IS)	12.76	264	10001	2.50 ppb	-0.07
System Monitoring Compounds					
3) 2-Methylnaphthalene-D10 (2	4.62	152	30903	5.48 ppb	-0.03
Spiked Amount 5.000			Recovery =	109.620%	
13) Fluoranthene-D10 (FRT)	8.90	212	32096	4.46 ppb	-0.04
Spiked Amount 5.000			Recovery =	89.140%	

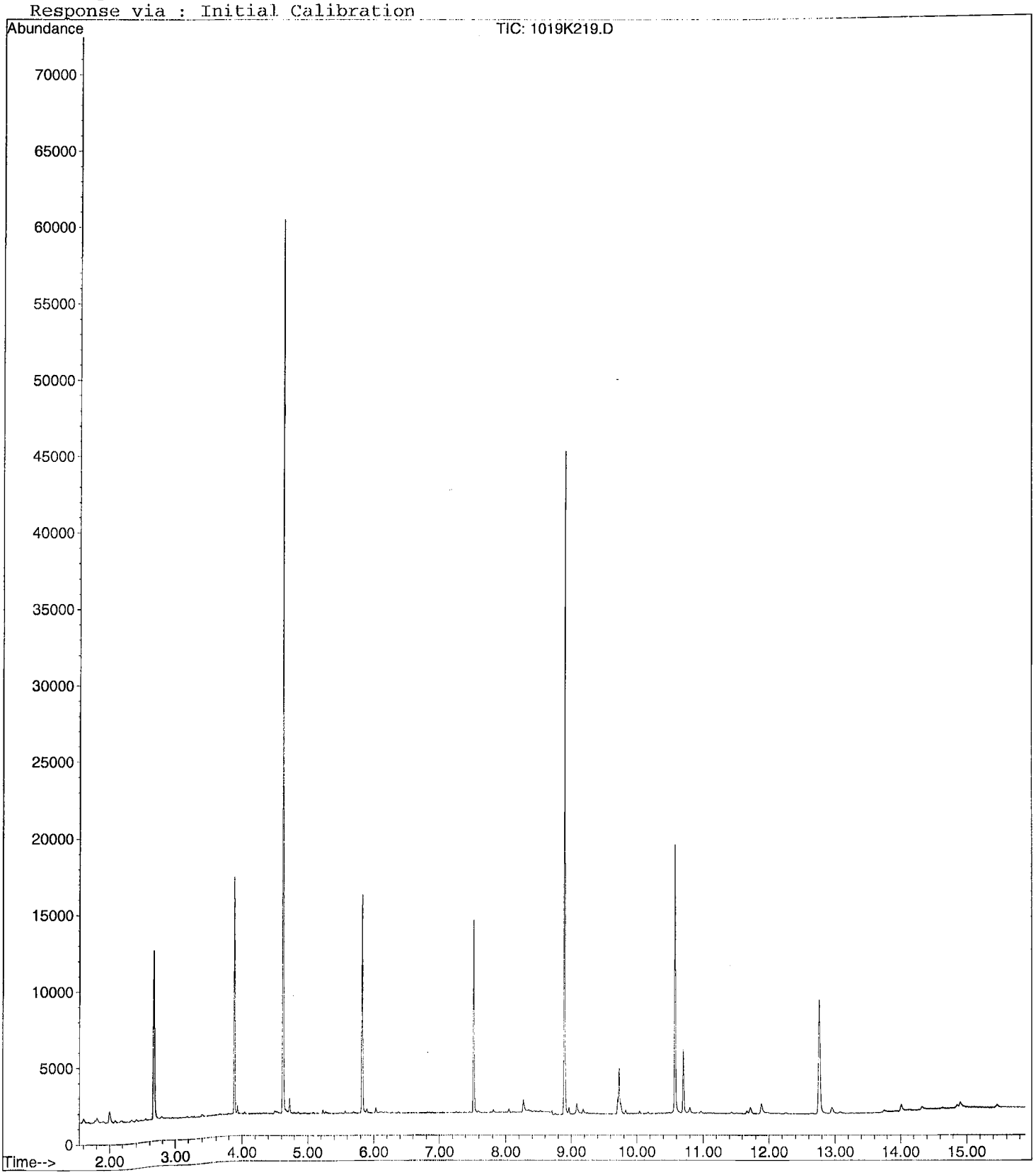
Target Compounds Qvalue

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

Data File : M:\KYLO\DATA\211019\1019K219.D Vial: 69
Acq On : 2 Nov 21 13:16 Operator: LS
Sample : BA44048W07 1/1000 Inst : KYLO
Misc : Multiplr: 1.00

Quant Time: Nov 8 15:56 2021 Quant Results File: K1019.RES

Method : M:\KYLO\DATA\211019\K1019.M (RTE Integrator)
Title : EPA 8270
Last Update : Mon Nov 22 09:54:05 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\KYLO\DATA\211019\1019K359.D Vial: 59
Acq On : 9 Nov 21 9:26 Operator: LS
Sample : BA44050W07 1/1050 Inst : KYLO
Misc : Multiplr: 0.95

Quant Time: Nov 9 9:54 2021 Quant Results File: K1019.RES

Quant Method : M:\KYLO\DATA\211019\K1019.M (RTE Integrator)
Title : EPA 8270
Last Update : Wed Oct 27 10:57:36 2021
Response via : Initial Calibration
DataAcq Meth : SIM_2

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Napthalene-D8(IS)	3.89	136	12407	2.50 ppb	0.00
6) Acenaphthene-D10(IS)	5.82	164	6353	2.50 ppb	-0.03
10) Phenanthrene-D10(IS)	7.52	188	9737	2.50 ppb	-0.03
15) Chrysene-D12(IS)	10.59	240	11049	2.50 ppb	-0.03
20) Perylene-D12(IS)	12.78	264	10329	2.50 ppb	-0.05
System Monitoring Compounds					
3) 2-Methylnaphthalene-D10 (2	4.62	152	29103	4.37 ppb	-0.03
Spiked Amount 4.762			Recovery =	91.875%	
13) Fluoranthene-D10 (FRT)	8.90	212	24142	3.03 ppb	-0.03
Spiked Amount 4.762			Recovery =	63.609%	
Target Compounds					Qvalue
2) Naphthalene	3.91	128	343199	50.72 ppb	99
4) 2-Methylnaphthalene	4.66	142	133304	33.61 ppb	97
5) 1-Methylnaphthalene	4.77	142	144845	36.19 ppb	100

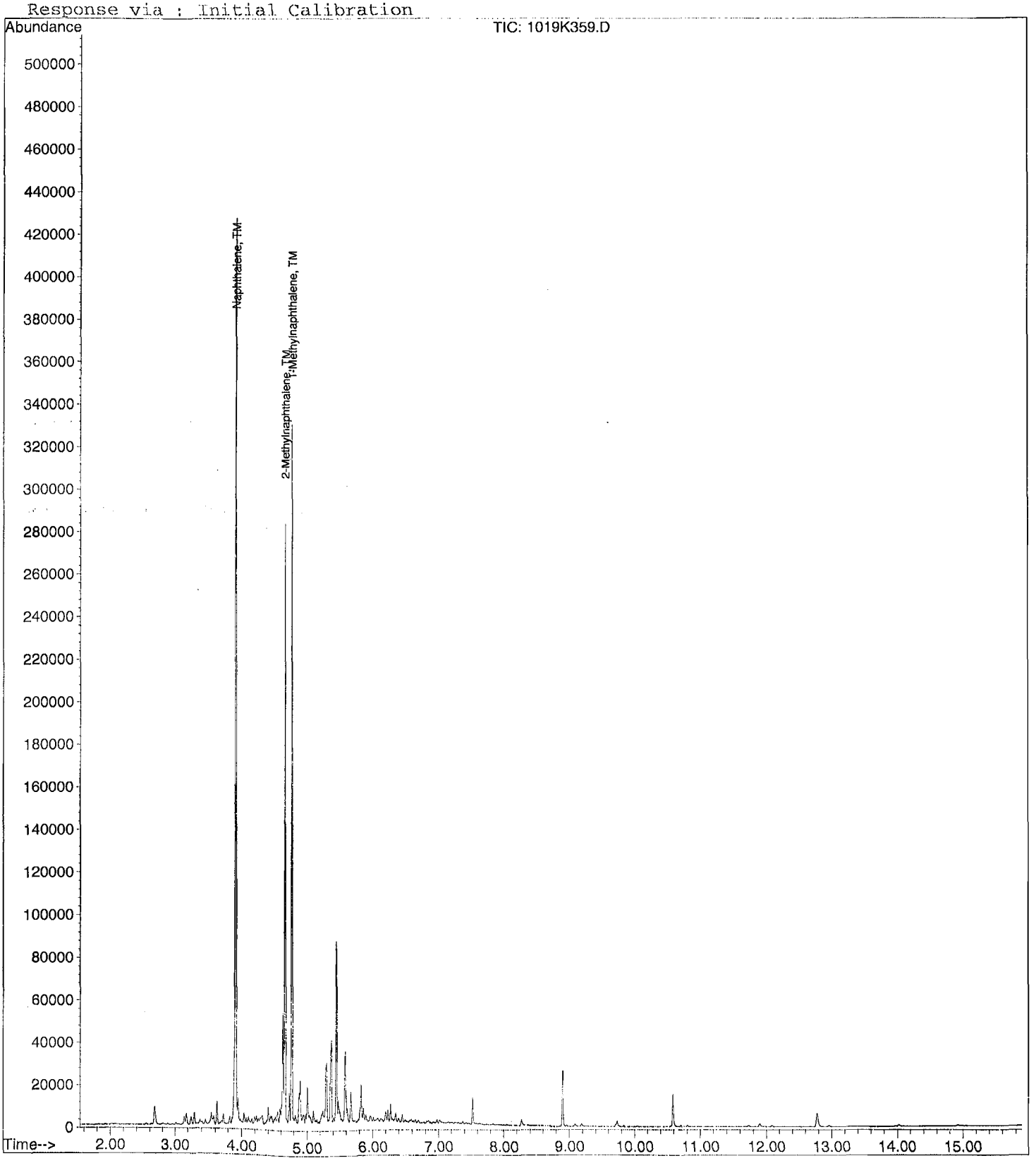
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\KYLO\DATA\211019\1019K359.D Vial: 59
Acq On : 9 Nov 21 9:26 Operator: LS
Sample : BA44050W07 1/1050 Inst : KYLO
Misc : Multiplr: 0.95

Quant Time: Nov 9 9:54 2021 Quant Results File: K1019.RES

Method : M:\KYLO\DATA\211019\K1019.M (RTE Integrator)
Title : EPA 8270
Last Update : Mon Nov 22 09:54:05 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\KYLO\DATA\211019\1019K221.D Vial: 71
Acq On : 2 Nov 21 13:56 Operator: LS
Sample : BA44052W08 1/1050 Inst : KYLO
Misc : Multiplr: 0.95

Quant Time: Nov 8 15:58 2021 Quant Results File: K1019.RES

Quant Method : M:\KYLO\DATA\211019\K1019.M (RTE Integrator)
Title : EPA 8270
Last Update : Wed Oct 27 10:57:36 2021
Response via : Initial Calibration
DataAcq Meth : SIM_2

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Napthalene-D8(IS)	3.89	136	11288	2.50 ppb	0.00
6) Acenaphthene-D10(IS)	5.82	164	5865	2.50 ppb	-0.03
10) Phenanthrene-D10(IS)	7.52	188	11008	2.50 ppb	-0.03
15) Chrysene-D12(IS)	10.57	240	13786	2.50 ppb	-0.04
20) Perylene-D12(IS)	12.76	264	12789	2.50 ppb	-0.07
System Monitoring Compounds					
3) 2-Methylnaphthalene-D10 (2	4.62	152	25094	4.15 ppb	-0.03
Spiked Amount 4.762			Recovery =	87.066%	
13) Fluoranthene-D10 (FRT)	8.90	212	29338	3.26 ppb	-0.04
Spiked Amount 4.762			Recovery =	68.376%	

Target Compounds Qvalue

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

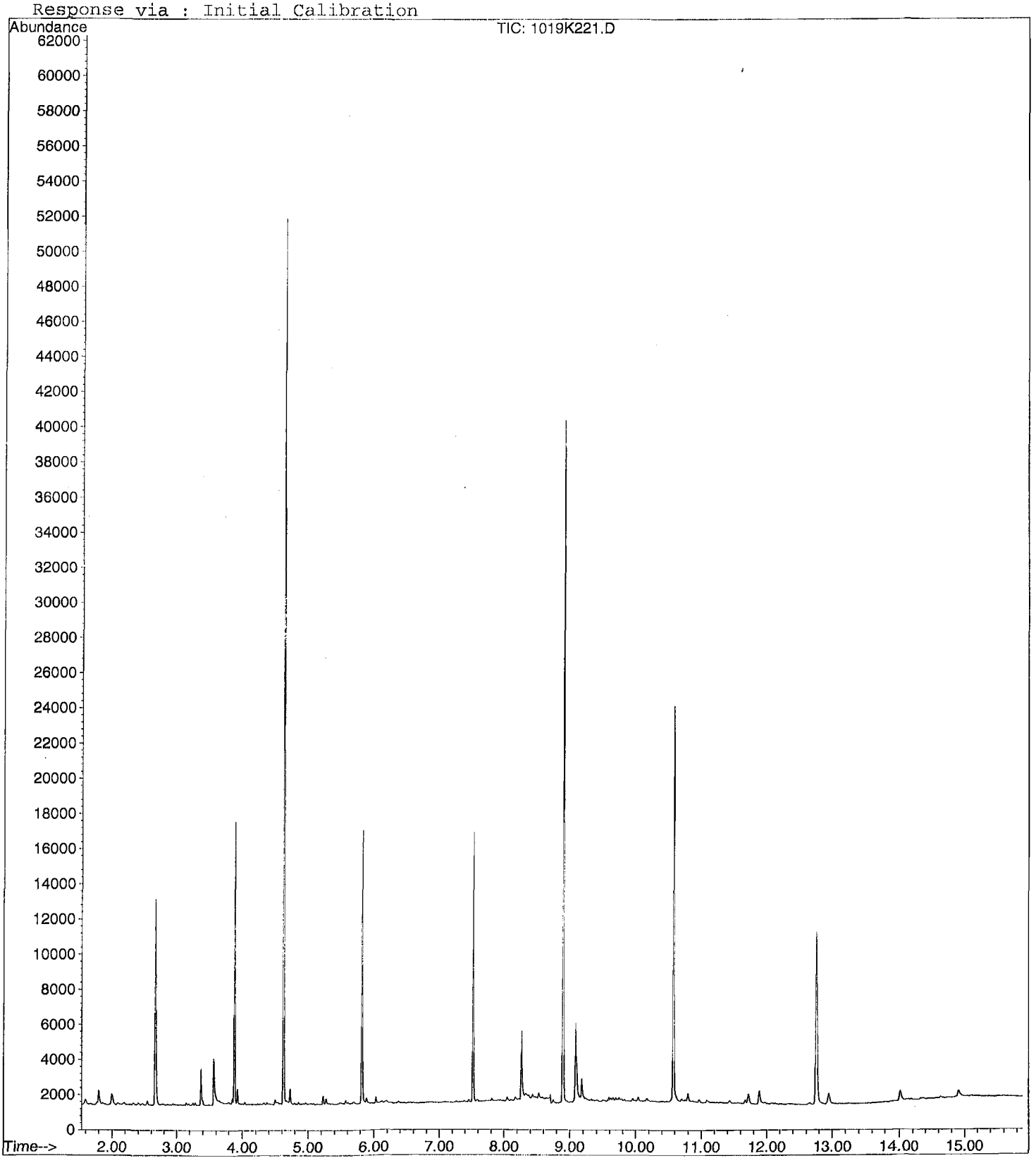
Quantitation Report

Data File : M:\KYLO\DATA\211019\1019K221.D
Acq On : 2 Nov 21 13:56
Sample : BA44052W08 1/1050
Misc :

Vial: 71
Operator: LS
Inst : KYLO
Multiplr: 0.95

Quant Time: Nov 8 15:58 2021 Quant Results File: K1019.RES

Method : M:\KYLO\DATA\211019\K1019.M (RTE Integrator)
Title : EPA 8270
Last Update : Mon Nov 22 09:54:05 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\KYLO\DATA\211019\1019K360.D Vial: 60
Acq On : 9 Nov 21 9:46 Operator: LS
Sample : BA44054W07 1/950 Inst : KYLO
Misc : Multiplr: 1.05

Quant Time: Nov 12 9:08 2021 Quant Results File: K1019.RES

Quant 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
DataAcq Meth : SIM_2

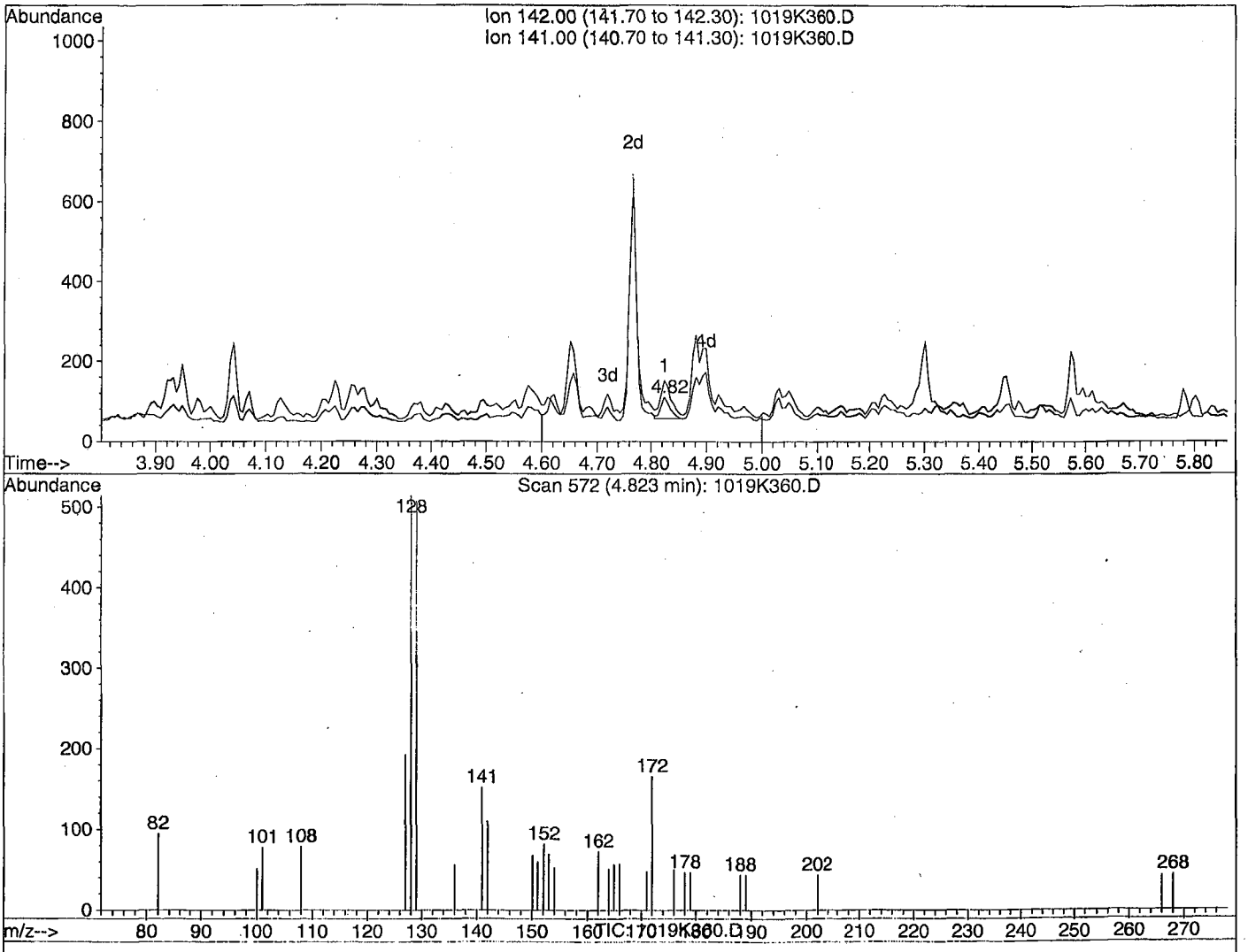
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Napthalene-D8(IS)	3.89	136	11934	2.50000 ppb	0.00
6) Acenaphthene-D10(IS)	5.82	164	6196	2.50000 ppb	-0.03
10) Phenanthrene-D10(IS)	7.52	188	9652	2.50000 ppb	-0.03
15) Chrysene-D12(IS)	10.58	240	11012	2.50000 ppb	-0.04
20) Perylene-D12(IS)	12.77	264	10327	2.50000 ppb	-0.06
System Monitoring Compounds					
3) 2-Methylnaphthalene-D10 (2	4.62	152	26729	4.61682 ppb	-0.03
Spiked Amount 5.263			Recovery =	87.723%	
13) Fluoranthene-D10 (FRT)	8.90	212	28082	3.92868 ppb	-0.04
Spiked Amount 5.263			Recovery =	74.651%	
Target Compounds					Qvalue
5) 1-Methylnaphthalene	4.77	142	549m	0.15761 ppb	19

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

Quantitation Report

Data File : M:\KYLO\DATA\211019\1019K360.D Vial: 60
Acq On : 9 Nov 21 9:46 Operator: LS
Sample : BA44054W07 1/950 Inst : KYLO
Misc : Multiplr: 1.05
Quant Time: Nov 9 10:20 2021 Quant Results File: temp.res

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



(5) 1-Methylnaphthalene (TM)

4.82min 0.0175ppb

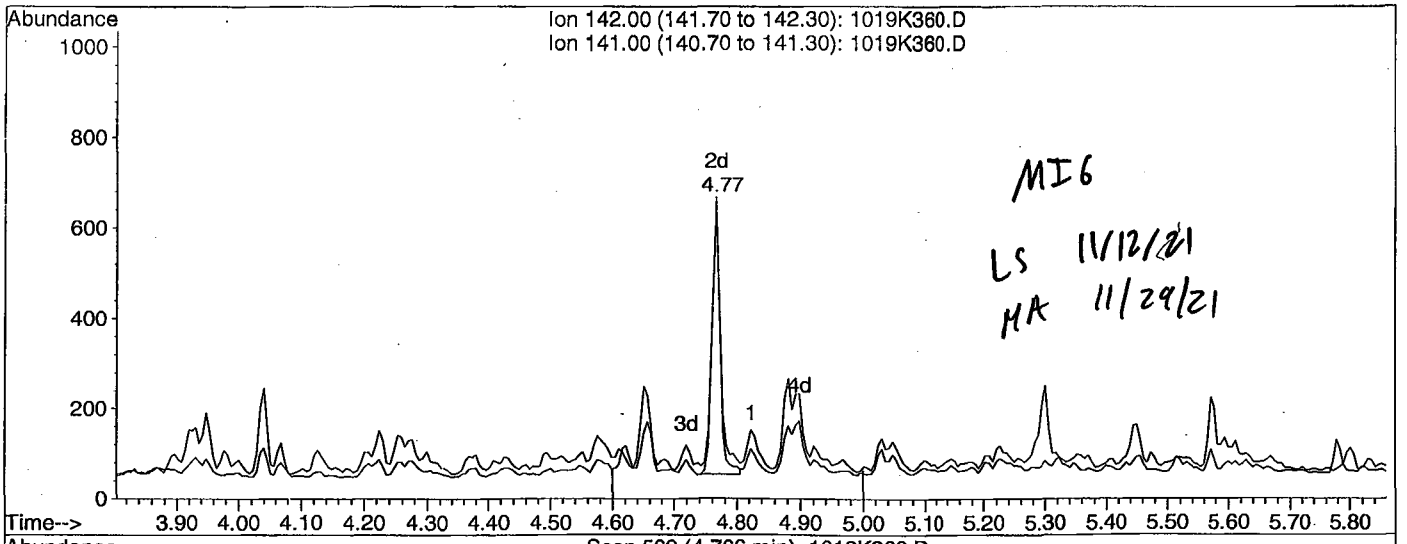
response 61

Ion	Exp%	Act%
142.00	100	100
141.00	87.30	162.26#
0.00	0.00	0.00
0.00	0.00	0.00

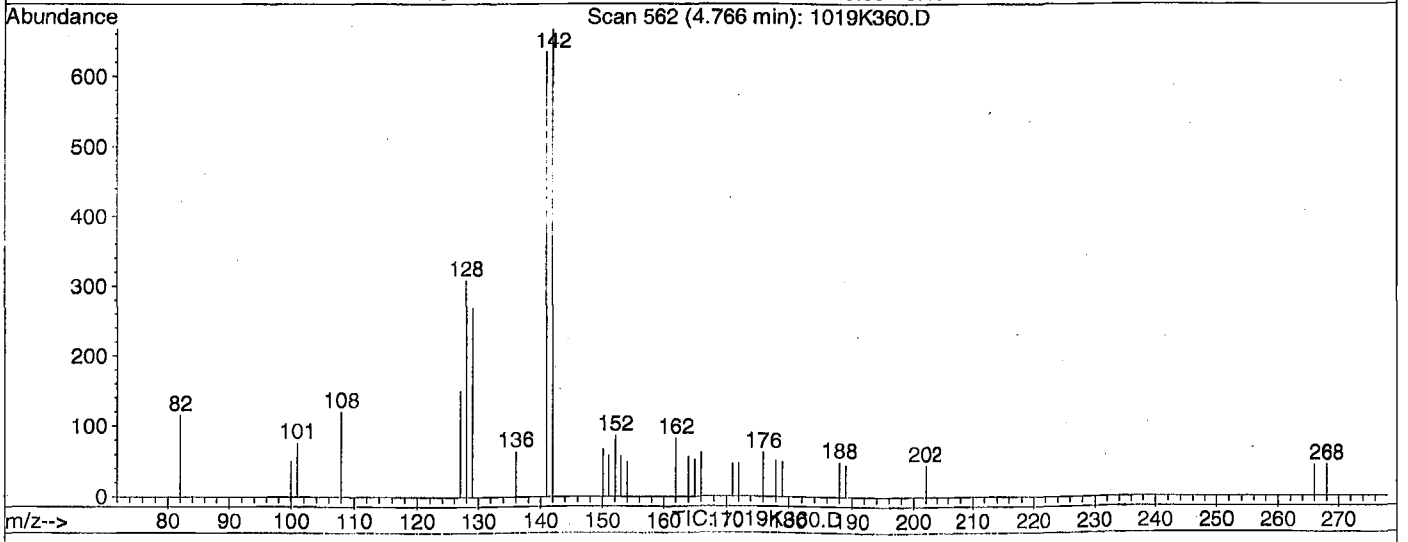
Quantitation Report

Data File : M:\KYLO\DATA\211019\1019K360.D Vial: 60
Acq On : 9 Nov 21 9:46 Operator: LS
Sample : BA44054W07 1/950 Inst : KYLO
Misc : Multiplr: 1.05
Quant Time: Nov 12 9:08 2021 Quant Results File: temp.res

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



MI6
LS 11/12/21
MA 11/29/21



(5) 1-Methylnaphthalene (TM)

4.77min 0.1576ppb m

response 549

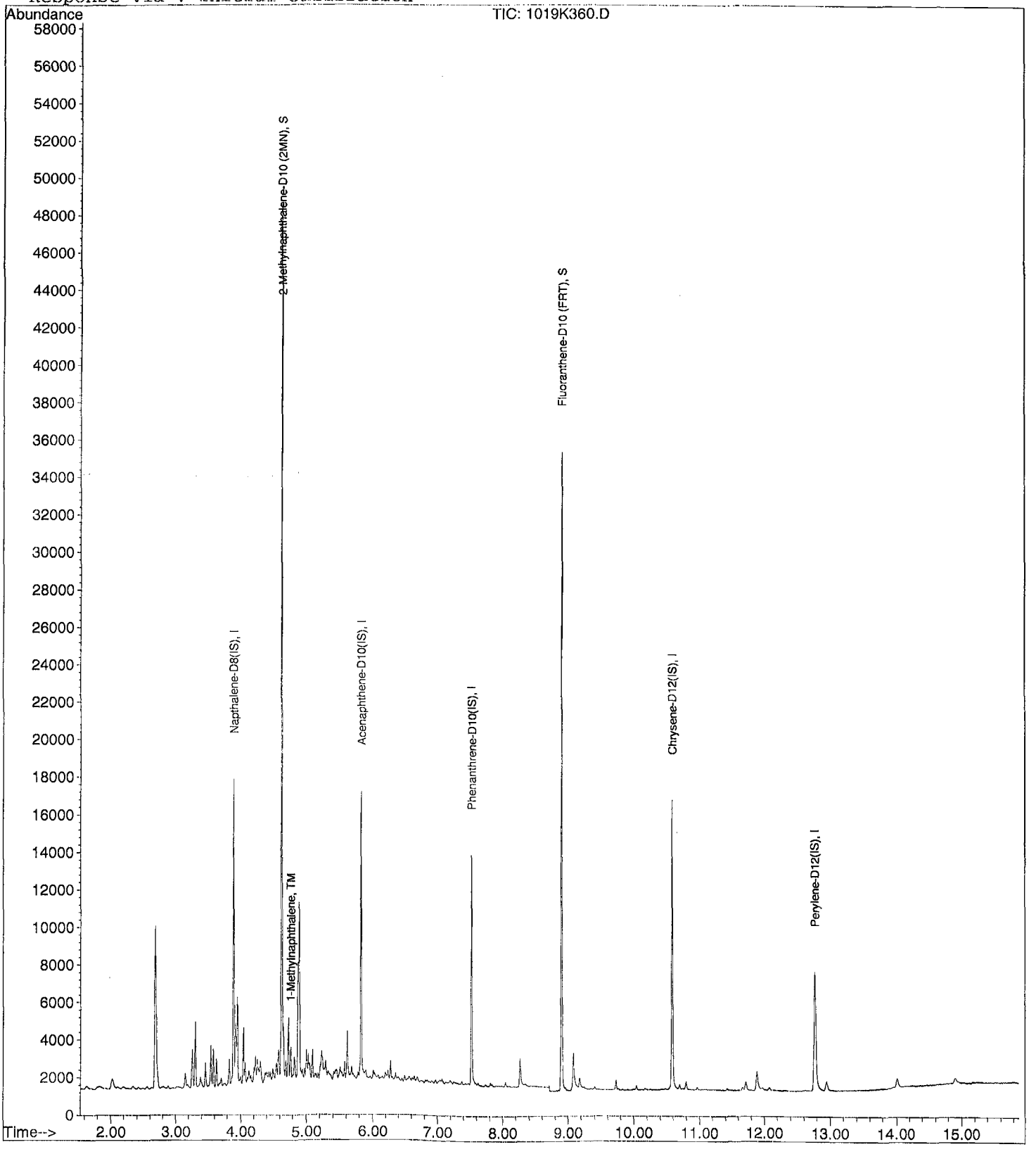
Ion	Exp%	Act%
142.00	100	100
141.00	87.30	95.21
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report

Data File : M:\KYLO\DATA\211019\1019K360.D Vial: 60
Acq On : 9 Nov 21 9:46 Operator: LS
Sample : BA44054W07 1/950 Inst : KYLO
Misc : Multiplr: 1.05

Quant Time: Nov 12 9:08 2021 Quant Results File: K1019.RES

Method : M:\KYLO\DATA\211124\K1019.M (RTE Integrator)
Title : EPA 8270
Last Update : Mon Nov 29 09:02:10 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\KYLO\DATA\211019\1019K213.D Vial: 63
Acq On : 2 Nov 21 11:16 Operator: LS
Sample : 211026A BLK 1/1000 Inst : KYLO
Misc : Multiplr: 1.00

Quant Time: Nov 3 14:51 2021 Quant Results File: K1019.RES

Quant Method : M:\KYLO\DATA\211019\K1019.M (RTE Integrator)
Title : EPA 8270
Last Update : Wed Oct 27 10:57:36 2021
Response via : Initial Calibration
DataAcq Meth : SIM_2

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Napthalene-D8(IS)	3.88	136	13012	2.50	ppb	0.00
6) Acenaphthene-D10(IS)	5.82	164	6514	2.50	ppb	-0.03
10) Phenanthrene-D10(IS)	7.52	188	11177	2.50	ppb	-0.03
15) Chrysene-D12(IS)	10.57	240	13686	2.50	ppb	-0.04
20) Perylene-D12(IS)	12.76	264	12842	2.50	ppb	-0.07
System Monitoring Compounds						
3) 2-Methylnaphthalene-D10 (2	4.62	152	32958	4.96	ppb	-0.03
Spiked Amount 5.000			Recovery =	99.200%		
13) Fluoranthene-D10 (FRT)	8.90	212	43010	4.94	ppb	-0.04
Spiked Amount 5.000			Recovery =	98.720%		

Target Compounds Qvalue

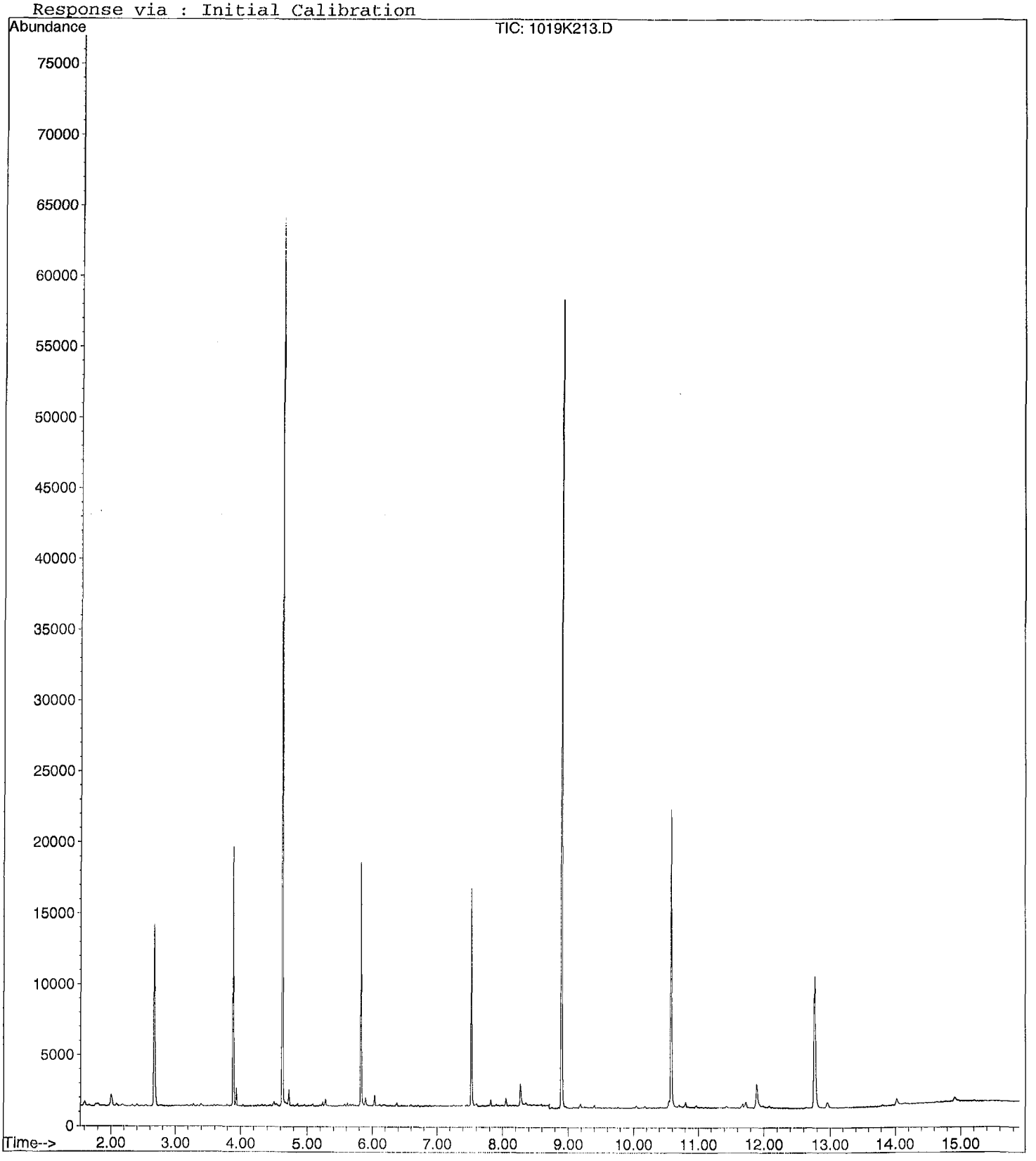
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\KYLO\DATA\211019\1019K213.D Vial: 63
Acq On : 2 Nov 21 11:16 Operator: LS
Sample : 211026A BLK 1/1000 Inst : KYLO
Misc : Multiplr: 1.00

Quant Time: Nov 3 14:51 2021 Quant Results File: K1019.RES

Method : M:\KYLO\DATA\211019\K1019.M (RTE Integrator)
Title : EPA 8270
Last Update : Mon Nov 22 09:54:05 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\KYLO\DATA\211019\1019K310.D Vial: 10
Acq On : 5 Nov 21 00:05 Operator: LS
Sample : 211026A LCS-1 1/1000 Inst : KYLO
Misc : Multiplr: 1.00

Quant Time: Nov 5 7:15 2021 Quant Results File: K1019.RES

Quant Method : M:\KYLO\DATA\211019\K1019.M (RTE Integrator)
Title : EPA 8270
Last Update : Wed Oct 27 10:57:36 2021
Response via : Initial Calibration
DataAcq Meth : SIM_2

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Napthalene-D8(IS)	3.89	136	14824	2.50 ppb	0.00
6) Acenaphthene-D10(IS)	5.82	164	7313	2.50 ppb	-0.03
10) Phenanthrene-D10(IS)	7.52	188	11576	2.50 ppb	-0.03
15) Chrysene-D12(IS)	10.57	240	13762	2.50 ppb	-0.04
20) Perylene-D12(IS)	12.76	264	12688	2.50 ppb	-0.07
System Monitoring Compounds					
3) 2-Methylnaphthalene-D10 (2	4.63	152	35666	4.71 ppb	-0.03
Spiked Amount 5.000			Recovery =	94.240%	
13) Fluoranthene-D10 (FRT)	8.90	212	44458	4.93 ppb	-0.04
Spiked Amount 5.000			Recovery =	98.540%	

Target Compounds Qvalue

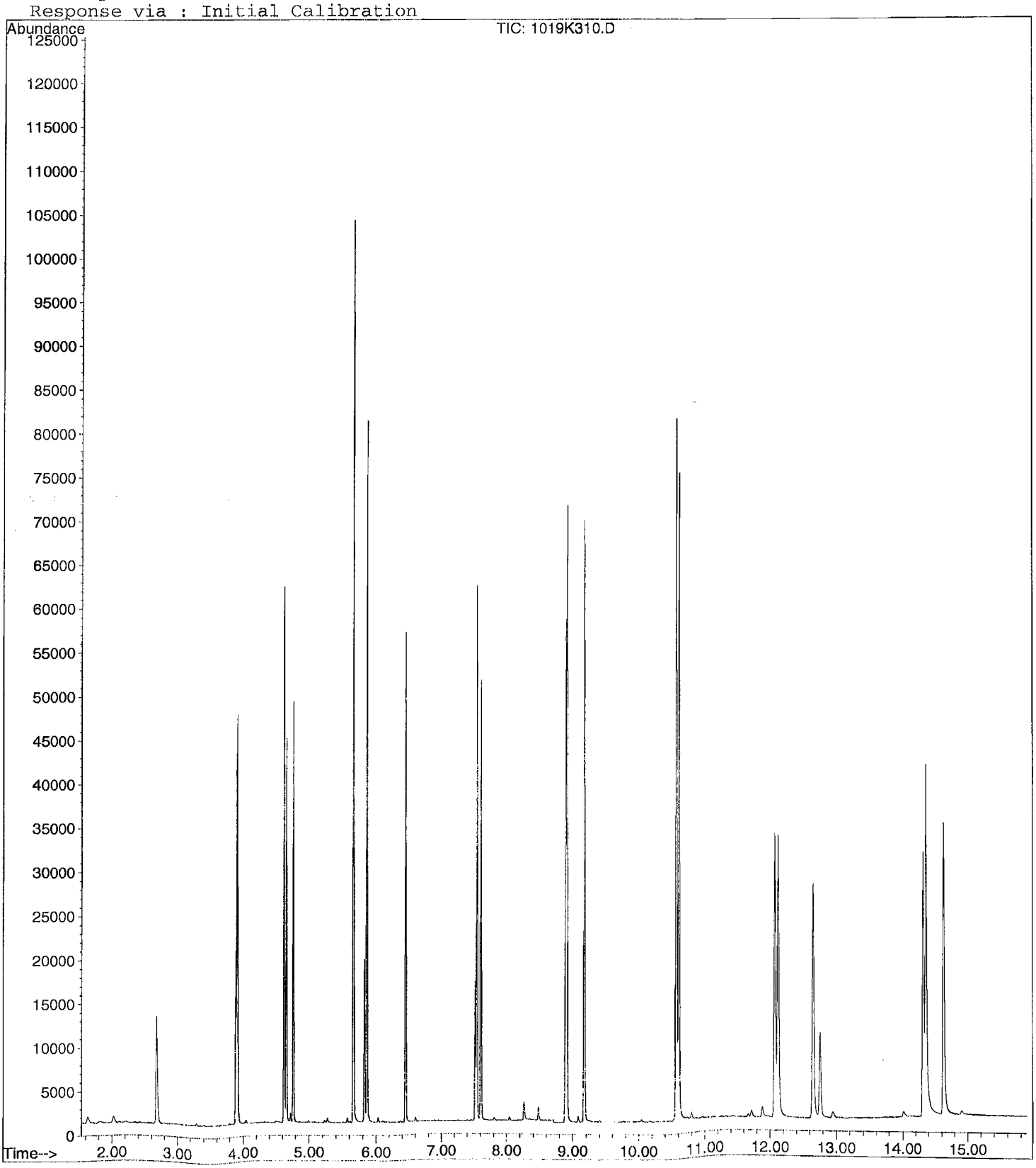
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\KYLO\DATA\211019\1019K310.D Vial: 10
Acq On : 5 Nov 21 00:05 Operator: LS
Sample : 211026A LCS-1 1/1000 Inst : KYLO
Misc : Multiplr: 1.00

Quant Time: Nov 5 7:15 2021 Quant Results File: K1019.RES

Method : M:\KYLO\DATA\211019\K1019.M (RTE Integrator)
Title : EPA 8270
Last Update : Mon Nov 22 09:54:05 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\KYLO\DATA\211019\1019K311.D Vial: 11
Acq On : 5 Nov 21 00:25 Operator: LS
Sample : 211026A LCSD-1 1/1000 Inst : KYLO
Misc : Multiplr: 1.00

Quant Time: Nov 5 7:15 2021 Quant Results File: K1019.RES

Quant Method : M:\KYLO\DATA\211019\K1019.M (RTE Integrator)
Title : EPA 8270
Last Update : Wed Oct 27 10:57:36 2021
Response via : Initial Calibration
DataAcq Meth : SIM_2

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Napthalene-D8(IS)	3.89	136	13899	2.50	ppb	0.00
6) Acenaphthene-D10(IS)	5.82	164	6817	2.50	ppb	-0.03
10) Phenanthrene-D10(IS)	7.52	188	10426	2.50	ppb	-0.03
15) Chrysene-D12(IS)	10.57	240	12916	2.50	ppb	-0.04
20) Perylene-D12(IS)	12.76	264	11790	2.50	ppb	-0.07
System Monitoring Compounds						
3) 2-Methylnaphthalene-D10 (2	4.63	152	34223	4.82	ppb	-0.03
Spiked Amount 5.000			Recovery =	96.440%		
13) Fluoranthene-D10 (FRT)	8.90	212	42473	5.23	ppb	-0.04
Spiked Amount 5.000			Recovery =	104.520%		

Target Compounds Qvalue

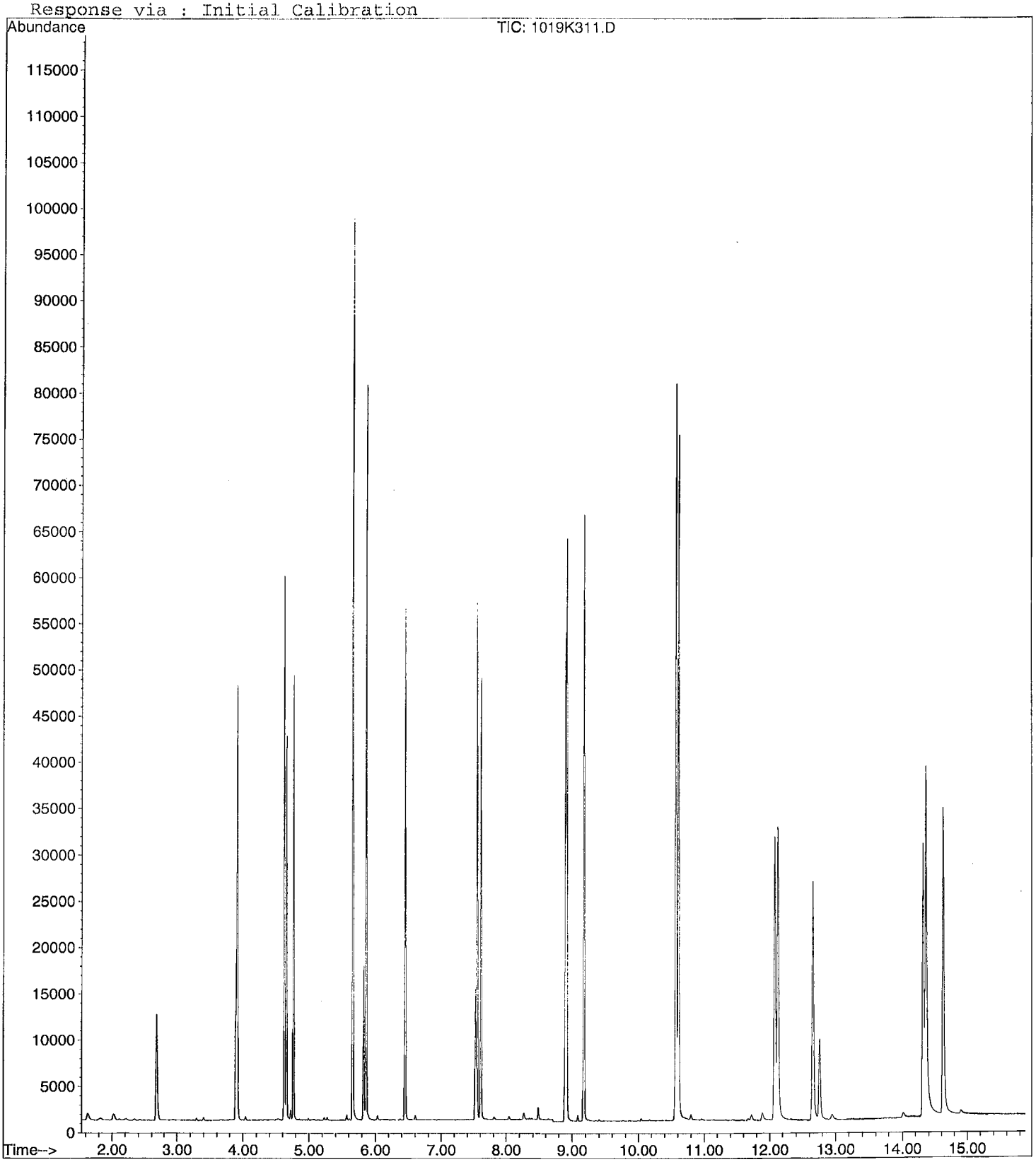
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\KYLO\DATA\211019\1019K311.D Vial: 11
Acq On : 5 Nov 21 00:25 Operator: LS
Sample : 211026A LCSD-1 1/1000 Inst : KYLO
Misc : Multiplr: 1.00

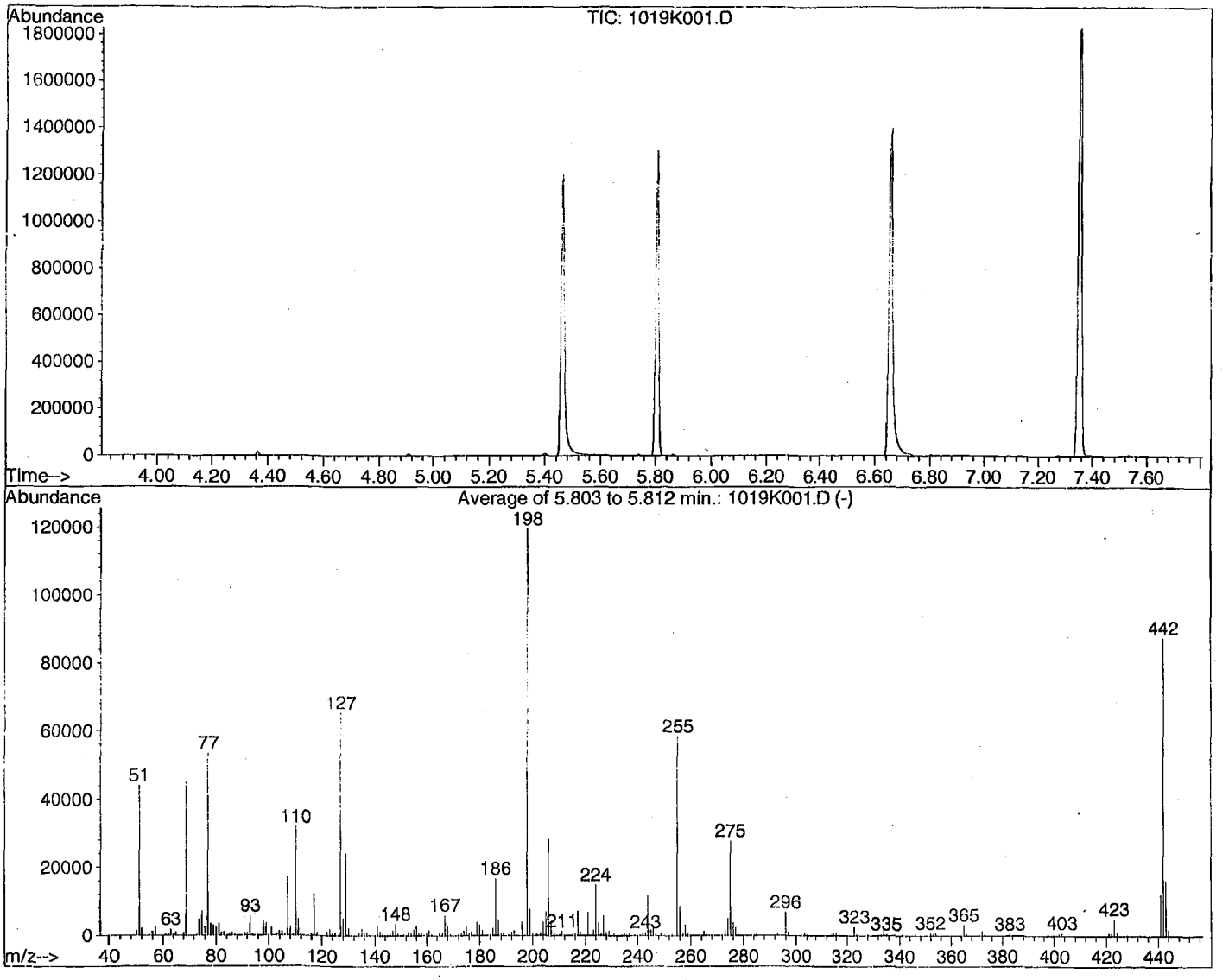
Quant Time: Nov 5 7:15 2021 Quant Results File: K1019.RES

Method : M:\KYLO\DATA\211019\K1019.M (RTE Integrator)
Title : EPA 8270
Last Update : Mon Nov 22 09:54:05 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**

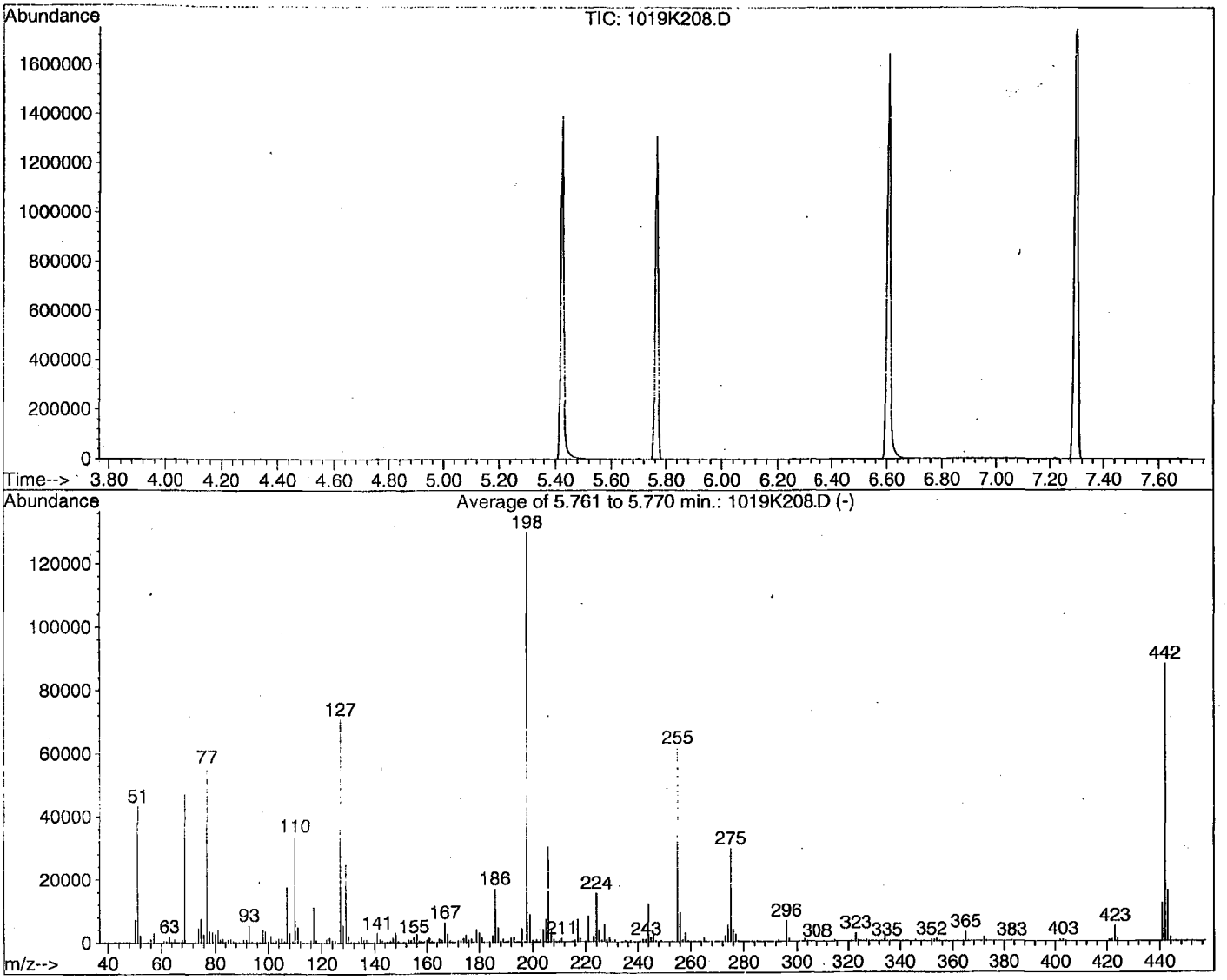
#	Name	Ret Time	Target Response
1)	DDT	7.36	16763500
2)	DDD	7.13	0
3)	DDE	6.80	0

Breakdown **0.00**

Data File : M:\KYLO\DATA\211019\1019K208.D
Acq On : 2 Nov 21 9:33
Sample : SV TUNE 7/2/21
Misc :

Vial: 58
Operator: LS
Inst : KYLO
Multiplr: 1.00

Method : M:\KYLO\DATA\211019\K1019.M (RTE Integrator)
Title : EPA 8270



AutoFind: Scans 467, 468, 469; Background Corrected with Scan 462

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	33.3	43331	PASS
68	69	0.00	2	1.8	828	PASS
70	69	0.00	2	0.3	134	PASS
127	198	10	80	54.5	70987	PASS
197	198	0.00	2	0.2	312	PASS
198	198	100	100	100.0	130179	PASS
199	198	5	9	6.7	8674	PASS
275	198	10	60	22.8	29616	PASS
365	198	1	100	2.3	2978	PASS
441	442	0.01	24	13.8	12211	PASS
442	198	50	500	67.9	88413	PASS
443	442	15	24	18.4	16265	PASS

Data File Name:	**1019K208.D**
Data File Path:	**M:\KYLO\DATA\211019**
Operator:	**LS**
Date Acquired:	**2 Nov 21 9:33**
Method File:	**DFTPP2.M**
Sample Name:	**SV TUNE 7/2/21**
Vial Number:	**58**
Instrument Name:	**KYLO**

#	Name	Ret Time	Target Response
1)	DDT	7.29	15877400
2)	DDD	7.07	0
3)	DDE	6.75	0

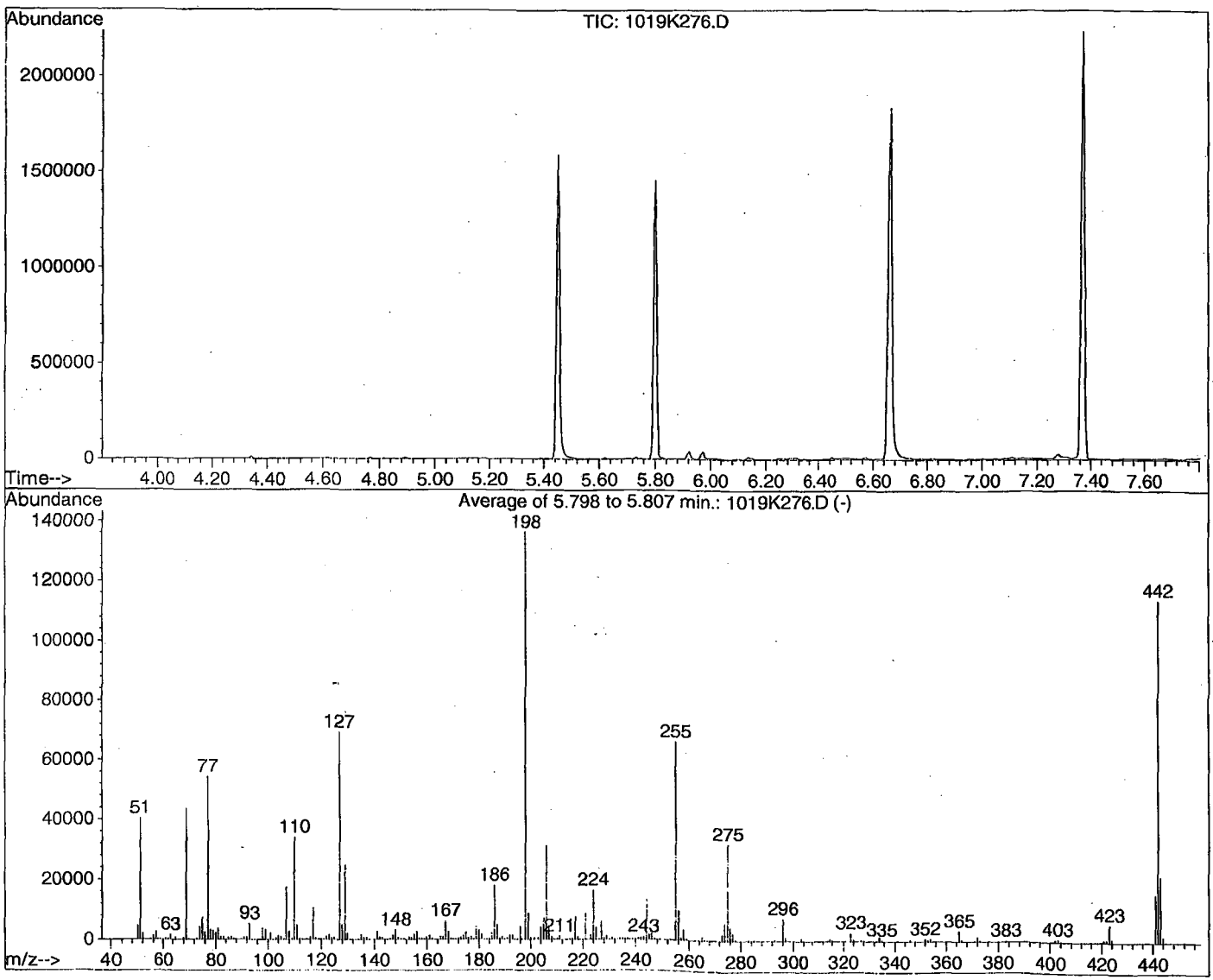
Breakdown **0.00**

DFTPP

Data File : M:\KYLO\DATA\211019\1019K276.D
Acq On : 4 Nov 21 12:53
Sample : SV TUNE 7/2/21
Misc :

Vial: 126
Operator: LS
Inst : KYLO
Multiplr: 1.00

Method : M:\KYLO\DATA\211019\K1019.M (RTE Integrator)
Title : EPA 8270



AutoFind: Scans 475, 476, 477; Background Corrected with Scan 469

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	29.6	40371	PASS
68	69	0.00	2	1.7	722	PASS
70	69	0.00	2	0.7	316	PASS
127	198	10	80	50.8	69307	PASS
197	198	0.00	2	0.3	368	PASS
198	198	100	100	100.0	136464	PASS
199	198	5	9	6.6	8991	PASS
275	198	10	60	23.5	32117	PASS
365	198	1	100	2.6	3501	PASS
441	442	0.01	24	13.9	15840	PASS
442	198	50	500	83.5	113992	PASS
443	442	15	24	19.1	21827	PASS

Data File Name:	**1019K276.D**
Data File Path:	**M:\KYLO\DATA\211019**
Operator:	**LS**
Date Acquired:	**4 Nov 21 12:53**
Method File:	**DFTPP2.M**
Sample Name:	**SV TUNE 7/2/21**
Vial Number:	**126**
Instrument Name:	**KYLO**

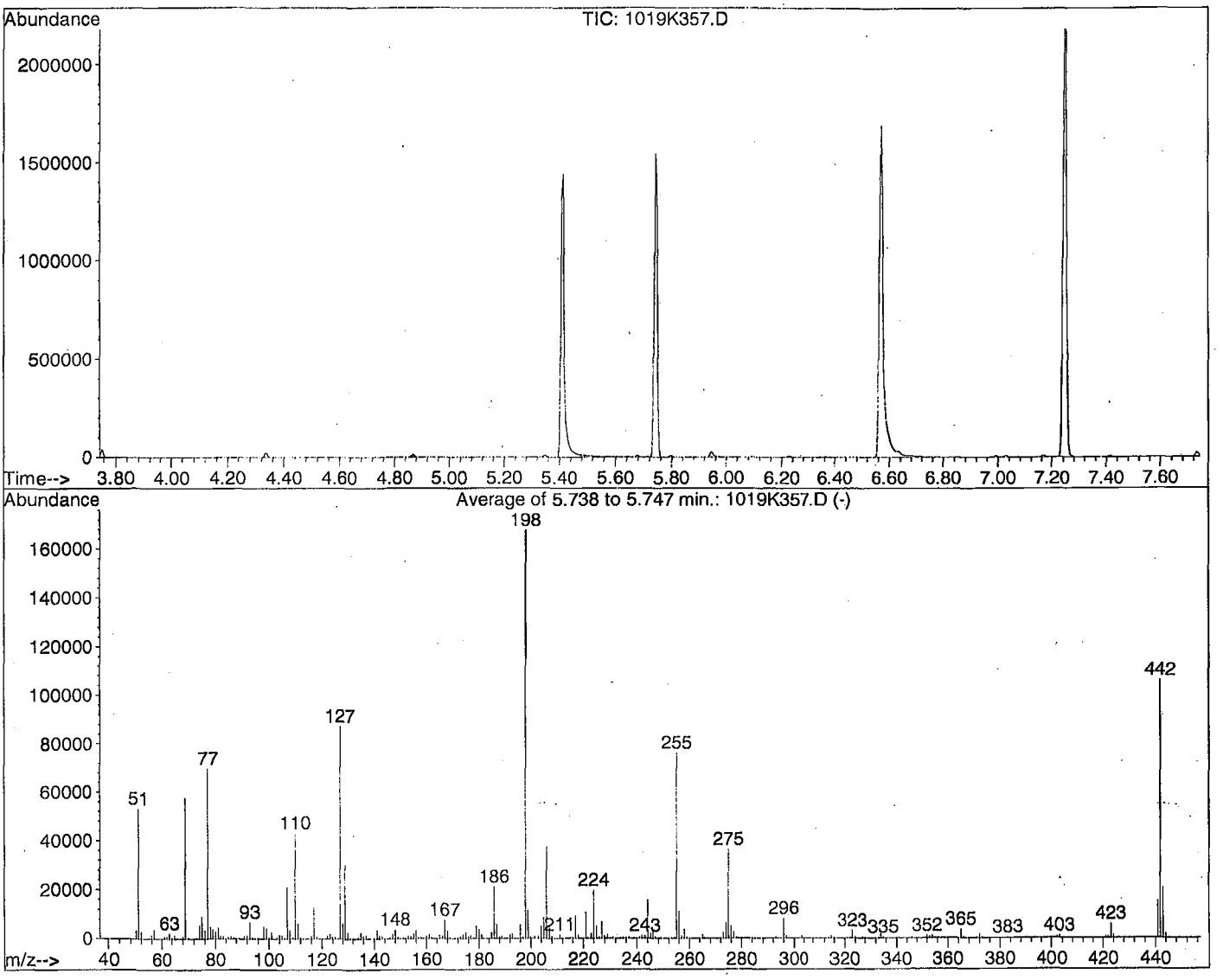
#	Name	Ret Time	Target Response
1)	DDT	7.29	19237900
2)	DDD	7.07	0
3)	DDE	6.75	0

Breakdown **0.00**

Data File : M:\KYLO\DATA\211019\1019K357.D
Acq On : 9 Nov 21 8:32
Sample : SV TUNE 7/2/21
Misc :

Vial: 57
Operator: LS
Inst : KYLO
Multiplr: 1.00

Method : M:\KYLO\DATA\211019\K1019.M (RTE Integrator)
Title : EPA 8270



AutoFind: Scans 462, 463, 464; Background Corrected with Scan 457

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	31.6	53083	PASS
68	69	0.00	2	1.7	983	PASS
70	69	0.00	2	0.6	325	PASS
127	198	10	80	52.0	87312	PASS
197	198	0.00	2	0.5	789	PASS
198	198	100	100	100.0	167752	PASS
199	198	5	9	6.9	11578	PASS
275	198	10	60	21.6	36312	PASS
365	198	1	100	2.1	3565	PASS
441	442	0.01	24	14.0	14870	PASS
442	198	50	500	63.2	105963	PASS
443	442	15	24	19.3	20456	PASS

Data File Name:	**1019K357.D**
Data File Path:	**M:\KYLO\DATA\211019**
Operator:	**LS**
Date Acquired:	**9 Nov 21 8:32**
Method File:	**DFTPP2.M**
Sample Name:	**SV TUNE 7/2/21**
Vial Number:	**57**
Instrument Name:	**KYLO**

#	Name	Ret Time	Target Response
1)	DDT	7.29	19886000
2)	DDD	7.07	0
3)	DDE	6.75	0

Breakdown **0.00**

Name of Final Standard SIM Curve **Prep'd By (Initials)** LS

Prep Date 10/13/2021

Exp Date 6/17/2022

Initial Standard Information						Final Standard Information			
Name of Initial Standard (from container Label)	Supplier	Supplier P/N# (or APPL Mix Name)	Conc. (range)	Lot # with QA # (or reference to APPL prep date)	Exp Date	Aliquot from Stock	Final Volume	Final Solvent + Lot# (or APPL Prep Date)	Final Standard Conc (range)
1.0 ug/mL SIM	APPL	1.0 ug/mL SIM	1.0 ug/mL	9/9/2021	6/17/2022	10 uL	100uL	MC 61117 90uL	0.1 ug/mL
SIM Internal Standard	APPL	SIM Internal Standard	125 ug/mL	6/17/2021	6/17/2022	2 uL	*	*	2.5ug/mL
1.0 ug/mL SIM	APPL	1.0 ug/mL SIM	1.0 ug/mL	9/9/2021	6/17/2022	20 uL	100uL	MC 61117 80uL	0.2 ug/mL
SIM Internal Standard	APPL	SIM Internal Standard	125 ug/mL	6/17/2021	6/17/2022	2 uL	*	*	2.5ug/mL
5.0 ug/mL SIM	APPL	5.0 ug/mL SIM	5.0 ug/mL	9/9/2021	6/17/2022	10 uL	100uL	MC 61117 90uL	0.5 ug/mL
SIM Internal Standard	APPL	SIM Internal Standard	125 ug/mL	6/17/2021	6/17/2022	2 uL	*	*	2.5ug/mL
5.0 ug/mL SIM	APPL	5.0 ug/mL SIM	5.0 ug/mL	9/9/2021	6/17/2022	20 uL	100uL	MC 61117 80 uL	1.0 ug/mL
SIM Internal Standard	APPL	SIM Internal Standard	125 ug/mL	6/17/2021	6/17/2022	2 uL	*	*	2.5ug/mL
SIM STOCK	APPL	SIM STOCK	200 ug/mL	6/17/2021	6/17/2022	5 uL	200uL	MC 61117 190 uL	5.0 ug/mL
SIM SURROGATE	APPL	SIM SURR	100 ug/mL	6/17/2021	6/17/2022	5 uL	*	*	2.5ug/mL
SIM Internal Standard	APPL	SIM Internal Standard	125 ug/mL	6/17/2021	6/17/2022	4 uL	*	*	2.5ug/mL
SIM STOCK	APPL	SIM STOCK	200 ug/mL	6/17/2021	6/17/2022	5 uL	100 uL	MC 61117 90 uL	10 ug/mL
SIM SURROGATE	APPL	SIM SURR	100 ug/mL	6/17/2021	6/17/2022	5 uL	*	*	5 ug/mL
SIM Internal Standard	APPL	SIM Internal Standard	125 ug/mL	6/17/2021	6/17/2022	2 uL	*	*	2.5ug/mL
SIM STOCK	APPL	SIM STOCK	200 ug/mL	6/17/2021	6/17/2022	25 uL	100uL	MC 61117 50 uL	50 ug/mL
SIM SURROGATE	APPL	SIM SURR	100 ug/mL	6/17/2021	6/17/2022	25 uL	*	*	25 ug/mL
SIM Internal Standard	APPL	SIM Internal Standard	125 ug/mL	6/17/2021	6/17/2022	2 uL	*	*	2.5ug/mL
SIM STOCK	APPL	SIM STOCK	200 ug/mL	6/17/2021	6/17/2022	50 uL	100uL	na	100 ug/mL
SIM SURROGATE	APPL	SIM SURR	100 ug/mL	6/17/2021	6/17/2022	50 uL	*	*	50 ug/mL
SIM Internal Standard	APPL	SIM Internal Standard	125 ug/mL	6/17/2021	6/17/2022	2 uL	*	*	2.5ug/mL

Name of Final Standard 8270 PAH SIM Second Source **Prep'd By (Initials)** LS

Prep Date 10/13/2021

Exp Date 6/17/2022

Initial Standard Information						Final Standard Information			
Name of Initial Standard (from container Label)	Supplier	Supplier P/N# (or APPL Mix Name)	Conc. (range)	Lot # with QA # (or reference to APPL prep date)	Exp Date	Aliquot from Stock	Final Volume	Final Solvent + Lot# (or APPL Prep Date)	Final Standard Conc (range)
PAH SIM SS Stock	Phenova	AL0-130490	200 ug/mL	6/17/2021	6/17/2022	5 uL	200uL	MC 61117 195uL	5 ug/mL
SIM Internal Standard	APPL	SIM Internal Standard	125 ug/mL	6/17/2021	6/17/2022	4 uL	*	*	2.5ug/mL

Name of Final Standard	PAH SIM Stock (Ampule)	Prep'd By (Initials)	LS
Prep Date	6/17/2021		
Exp Date	6/17/2022		

Initial Standard Information						Final Standard Information			
Name of Initial Standard (from contianer Label)	Supplier	Supplier P/N# (or APPL Mix Name)	Conc.(range)	Lot # with QA # (or reference to APPL prep date)	Exp Date	Aliquot from Stock	Final Volume	Final Solvent + Lot# (or APPL Prep Date)	Final Standard Conc (range)
Custom PAH SIM Mix	Phenova	ALO-130490	200 ug/mL	**CL13121-52443**	**12/31/2022**	1000 uL	1mL	**NA**	200 ug/mL

Name of Final Standard	SIM Surrogate	Prep'd By (Initials)	LS
Prep Date	6/17/2021		
Exp Date	6/17/2022		

Initial Standard Information						Final Standard Information			
Name of Initial Standard (from contianer Label)	Supplier	Supplier P/N# (or APPL Mix Name)	Conc.(range)	Lot # with QA # (or reference to APPL prep date)	Exp Date	Aliquot from Stock	Final Volume	Final Solvent + Lot# (or APPL Prep Date)	Final Standard Conc (range)
Sim Surrogate Deuterated	Restek	33913	2000 ug/mL	**A0161454-50793**	**5/31/2026**	1 mL	20 mL	**Acetone #0246130**	100 ug/mL

Name of Final Standard	8270 SIM PAH Internal Standard	Prep'd By (Initials)	LS
Prep Date	6/17/2021		
Exp Date	6/17/2022		

Initial Standard Information						Final Standard Information			
Name of Initial Standard (from contianer Label)	Supplier	Supplier P/N# (or APPL Mix Name)	Conc.(range)	Lot # with QA # (or reference to APPL prep date)	Exp Date	Aliquot from Stock	Final Volume	Final Solvent + Lot# (or APPL Prep Date)	Final Standard Conc (range)
SV Internal Standard	Restek	31206	2000 ug/mL	**A0162879-50593**	**6/30/2026**	625uL	10mL	**MC 60338**	125 ug/mL

Name of Final Standard	SIM SS Stock (Ampule second source)	Prep'd By	LS
Prep Date	6/17/2021		
Exp Date	6/17/2022		

Initial Standard Information						Final Standard Information			
Name of Initial Standard (from contianer Label)	Supplier	Supplier P/N# (or APPL Mix Name)	Conc.(range)	Lot # with QA # (or reference to APPL prep date)	Exp Date	Aliquot from Stock	Final Volume	Final Solvent + Lot# (or APPL Prep Date)	Final Standard Conc (range)
Custom PAH SIM Mix	Phenova	ALO-130490	200 ug/mL	**CL13117-51757**	**12/31/2022**	1000 uL	1mL	**NA**	200 ug/mL

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	**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 Date	9/21/2021
Exp Date	9/21/2022

Prep'd By (Initials) LS/IC

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 Date	**8/5/2021**
Exp Date	**5/28/2022**

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

Initial Standard Information						Final Standard Information			
Name of Initial Standard (from contianer Label)	Supplier	Supplier P/N# (or APPL Mix Name)	Conc.(range)	Lot # with QA # (or reference to APPL prep date)	Exp Date	Aliquot from Stock	Final Volume	Final Solvent + Lot# (or APPL Prep Date)	Final Standard Conc (range)
Custom PAH Sim Mix	Phenova	AL0-130490	200 ug/mL	**CL13121-50766,50767,50771,52444,52445**	**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 Date	8/24/2021
Exp Date	8/24/2022

Prep'd By (Initials) LS

Initial Standard Information						Final Standard Information			
Name of Initial Standard (from contianer Label)	Supplier	Supplier P/N# (or APPL Mix Name)	Conc.(range)	Lot # with QA # (or reference to APPL prep date)	Exp Date	Aliquot from Stock	Final Volume	Final Solvent + Lot# (or APPL Prep Date)	Final Standard Conc (range)
Sim Surrogate Deuterated	Restek	33913	2000 ug/mL	A0173323-52640	5/31/2027	1 mL	20 mL	Acetone #0246130	100 ug/mL

Name of Final Standard	SIM Surrogate
Prep Date	9/21/2021
Exp Date	9/21/2022

Prep'd By (Initials) LS/IC

Initial Standard Information						Final Standard Information			
Name of Initial Standard (from contianer Label)	Supplier	Supplier P/N# (or APPL Mix Name)	Conc.(range)	Lot # with QA # (or reference to APPL prep date)	Exp Date	Aliquot from Stock	Final Volume	Final Solvent + Lot# (or APPL Prep Date)	Final Standard Conc (range)
Sim Surrogate Deuterated	Restek	33913	2000 ug/mL	A0173323-52639	5/31/2027	1 mL	20 mL	Acetone #0246130	100 ug/mL

Organic Extraction Worksheet

Method	Continuous Liquid/Liquid SVOC 3520C	Extraction Set	211026A	Extraction Method	LIQ003	Units	mL

Spiked ID 1	Sim Spike 8-5-21 5-28-22		Surrogate ID 1	SIM Surrogate 10-11-21 10-11-22	
Spiked ID 2	BA44241 PT-PAH-WP 8227-37		Surrogate ID 2		
Spiked ID 3			Surrogate ID 3		
Spiked ID 4			Surrogate ID 4		
Spiked ID 5			Surrogate ID 5		
Spiked ID 6			Sufficient Vol for Matrix QC:	NO	
Spiked ID 7			Ext. Start Time:	10/26/21 12:40	
Spiked ID 8			Ext. End Time:	10/27/21 6:41	
			GC Requires Extract By:		

pH1	14	10/26/21 10:58	Water Bath Temp 1 °C	75/74.5 E-WB5 °
pH2	14	10/27/21 9:56	Water Bath Temp 2 °C	
pH3			Water Bath Temp 3 °C	

Spiked By: SR **Date** 10/26/2021 **Witnessed By:** JAS **Date** 10/26/2021

	Sample	Sample Container	Spike Amount	Spike ID	Surrogate Amount	Surrogate ID	Extract Amount	Final Volume	pH	Extract Date/Time	Comments
1	211026A Blk				0.050	1	1000	1	14	10/26/21 10:46	
						equip	E-HP11 E-WB5				
2	211026A LCS-1		0.125	1	0.050	1	1000	1	14	10/26/21 10:46	
						equip	E-HP12 E-WB5				
3	211026A LCSD-1		0.125	1	0.050	1	1000	1	14	10/26/21 10:46	
						equip	E-HP13 E-WB5				
4	BA44044	BA44044W07			0.050	1	950	1	14	10/26/21 10:46	97942
						equip	E-HP14 E-WB5				
5	BA44045	BA44045W07			0.050	1	950	1	14	10/26/21 10:46	97942
						equip	E-HP15 E-WB5				
6	BA44046	BA44046W06			0.050	1	950	1	14	10/26/21 10:46	97942
						equip	E-HP16 E-WB5				
7	BA44048	BA44048W07			0.050	1	1000	1	14	10/26/21 10:46	97943
						equip	E-HP17 E-WB5				
8	BA44050	BA44050W07			0.050	1	1050	1	14	10/26/21 10:46	97943
						equip	E-HP19 E-WB5				
9	BA44052	BA44052W08			0.050	1	1050	1	14	10/26/21 10:46	97943
						equip	E-HP20 E-WB5				
10	BA44054	BA44054W07			0.050	1	950	1	14	10/26/21 10:46	97943
						equip	E-HP21 E-WB5				
11	BA44241	BA44241W01	1	2	0.050	1	1000	1	14	10/26/21 10:46	97961
						equip	E-HP11 E-WB5				
12	BA44243	BA44243W08			0.050	1	1050	1	14	10/26/21 10:46	97962
						equip	E-HP12 E-WB5				
13	BA44244	BA44244W08			0.050	1	950	1	14	10/26/21 10:46	97962
						equip	E-HP13 E-WB5				

Solvent and Lot#	
PH Strips	HC155968
Dichloromethane (DCM)	61117
10N NaOH (10mLs)	10-18-21
Filter Paper	400196
Na2SO4	2021071206

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

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

Modified	11/1/2021 7:45:42 AM

Reviewed By: KY **Date** 10/27/2021

Injection Log

Directory: M:\KYLO\DATA\211019\

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	1	1019K001.D	1	SV TUNE 7/2/21		19 Oct 21 13:58
2	2	1019K002.D	1	0.1 ug/ml 10/13/21		19 Oct 21 14:09
3	3	1019K003.D	1	0.2 ug/ml 10/13/21		19 Oct 21 14:29
4	4	1019K004.D	1	0.5 ug/ml 10/13/21		19 Oct 21 14:49
5	5	1019K005.D	1	1 ug/ml 10/13/21		19 Oct 21 15:09
6	6	1019K006.D	1	5 ug/ml 10/13/21		19 Oct 21 15:29
7	7	1019K007.D	1	10 ug/ml 10/13/21		19 Oct 21 15:49
8	8	1019K008.D	1	50 ug/ml 10/13/21		19 Oct 21 16:09
9	9	1019K009.D	1	100 ug/ml 10/13/21		19 Oct 21 16:29
10	10	1019K010.D	1	SS ug/ml 10/13/21		19 Oct 21 16:49
11	58	1019K208.D	1	SV TUNE 7/2/21		2 Nov 21 9:33
12	59	1019K209.D	1	5 ug/ml 10/19/21 (1)		2 Nov 21 9:45
13	63	1019K213.D	1	211026A BLK 1/1000		2 Nov 21 11:16
14	69	1019K219.D	1	BA44048W07 1/1000		2 Nov 21 13:16
15	71	1019K221.D	0.95238	BA44052W08 1/1050		2 Nov 21 13:56
16	82	1019K232.D	1	5 ug/ml 10/13/21 (2)		3 Nov 21 7:04
17	126	1019K276.D	1	SV TUNE 7/2/21		4 Nov 21 12:53
18	127	1019K277.D	1	5 ug/ml 10/19/21 (1)		4 Nov 21 13:05
19	10	1019K310.D	1	211026A LCS-1 1/1000		5 Nov 21 00:05
20	11	1019K311.D	1	211026A LCSD-1 1/1000		5 Nov 21 00:25
21	12	1019K312.D	1	5 ug/ml 10/13/21 (2)		5 Nov 21 00:45
22	57	1019K357.D	1	SV TUNE 7/2/21		9 Nov 21 8:32
23	58	1019K358.D	1	5 ug/ml 10/19/21 (1)		9 Nov 21 8:43
24	59	1019K359.D	0.952381	BA44050W07 1/1050		9 Nov 21 9:26
25	60	1019K360.D	1.05263	BA44054W07 1/950		9 Nov 21 9:46
26	91	1019K391.D	1	5 ug/ml 10/13/21 (2)		9 Nov 21 20:37

ORGANICS
Calibration Data

VOLATILE ORGANIC ANALYSIS BY
EPA METHOD 8260B

Form 6
Initial Calibration

Lab Name: APPL, Inc. SDG No:
Case No: Initial Cal. Date: 10/15/2021
Matrix: Water Instrument: Max Initials:

		Compound	1015M12.D 1	1015M13.D 2	1015M14.D 3	1015M15.D 4	1015M16.D 5	1015M17.D 6	1015M18.D 7	1015M19.D 8	1015M20.D 9		Avg	%RSD	Type	r^2	Q	MRF
1	I	Fluorobenzene (IS)																
2	TM	Chlorotrifluoroethene													TM			
3	TM	Dichlorodifluoromethane		0.1508	0.1611	0.1414	0.1748	0.1296	0.1371	0.1510	0.1516		0.15	9.4	TM			
4	TM	Freon 114	0.0629	0.0771	0.0867	0.0903	0.0897	0.0706	0.0918	0.0908	0.0949		0.08	13	TM			
5	TM**	Chloromethane		0.0816	0.1036	0.0852	0.0940	0.0885	0.0795	0.0895	0.0924		0.09	8.6	TM**			
6	TM*	Vinyl chloride	0.1225	0.1206	0.0979	0.1015	0.1123	0.1098	0.1056	0.1118	0.1091		0.11	7.3	TM*			
7	TM	2-Chloro-1,1,1-trifluoroethane													TM			
8	TM	Bromomethane	0.1252	0.0995	0.0992	0.0848	0.0948	0.0853	0.0794	0.0814	0.0879		0.09	15	TM			
9	TML	Chloroethane	0.0933	0.0961	0.1579	0.0552	0.0706	0.0745	0.0641	0.0666	0.0815		0.08	36	TM	0.994		
10	TM	Dichlorofluoromethane	0.2569	0.3121	0.2592	0.2176	0.2203	0.2414	0.2187	0.2235	0.2246		0.24	13	TM			
11	TM	Trichlorofluoromethane	0.2324	0.3029	0.2888	0.3134	0.2973	0.2882	0.2855	0.2975	0.2941		0.29	7.9	TM			
12	TM	2,2-Dichloro-1,1,1-trifluoroethane													TM			
13	TMQ	Acrolein	0.0166	0.0144	0.0135	0.0153	0.0136	0.0142	0.0135	0.0145	0.0144		0.01	7.0	TM	0.997		
14	TM	Acetone	0.0398	0.0304	0.0345	0.0331	0.0310	0.0319	0.0307	0.0309	0.0310		0.03	9.3	TM			
15	TM	Freon-113	0.1116	0.1300	0.1296	0.1218	0.1150	0.1068	0.1175	0.1124	0.1135		0.12	6.9	TM			
16	TM	Acetonitrile	0.0101	0.0070	0.0074	0.0070	0.0076	0.0073	0.0076	0.0080	0.0077		0.01	12	TM			
17	TML	2-propanol													TM			
18	TM	1,2-Dichlorotrifluoroethane	0.2569	0.3121	0.2592	0.2176	0.2203	0.2414	0.2187	0.2235	0.2247		0.24	13	TM			
19	TM*	1,1-DCE	0.1787	0.1830	0.1897	0.1807	0.1708	0.1678	0.1697	0.1653	0.1699		0.18	4.7	TM*			
20	TMQ	t-Butanol	0.0115	0.0086	0.0097	0.0102	0.0110	0.0102	0.0098				0.01	9.2	TM	0.995		
21	TMQ	Methyl Acetate		0.0500	0.0481	0.0566	0.0491	0.0547	0.0536	0.0554	0.0547		0.05	6.1	TM	1.000		
22	TML	Iodomethane	0.1065	0.1250	0.0882	0.0717	0.0979	0.1158	0.1130	0.1296	0.1388		0.11	19	TM	0.998		
23	TML	Acrylonitrile	0.0088	0.0055	0.0298	0.0239	0.0337	0.0321	0.0316	0.0309	0.0304		0.03	42	TM	1.000		
24	TM	2-Methylpentane													TM			
25	TM	Methylene chloride	0.1502	0.1032	0.1123	0.1093	0.1063	0.1155	0.1083	0.1086	0.1035		0.11	13	TM			
26	TM	Carbon disulfide	0.1567	0.1530	0.1390	0.1605	0.1324	0.1389	0.1392	0.1362	0.1258		0.14	8.2	TM			
27	TM	Methyl t-butyl ether (MtBE)	0.4054	0.3871	0.3993	0.3508	0.3716	0.3784	0.3615	0.3797	0.3589		0.38	4.9	TM			
28	TM	Trans-1,2-DCE		0.1591	0.1103	0.1150	0.1200	0.1175	0.1222	0.1143	0.1180		0.12	13	TM			
29	TML	3-Methylpentane	0.0803	0.0784	0.0715	0.0806	0.0660	0.0664	0.0682	0.0593	0.0607		0.07	12	TM	0.999		
30	TM	Hexane													TM			
31	TM	Diisopropyl Ether	0.1713	0.2278	0.2501	0.2487	0.2546	0.2465	0.2359	0.2412	0.2396		0.24	11	TM			
32	TM**	1,1-DCA	0.1334	0.1964	0.2073	0.1858	0.1835	0.1860	0.1867	0.1843	0.1844		0.18	11	TM**			
33	TM	Vinyl Acetate													TM			
34	TM	Ethyl tert Butyl Ether	0.2869	0.3155	0.2850	0.3007	0.3100	0.3054	0.3017	0.3165	0.2971		0.30	3.7	TM			
35	TML	Methylcyclopentane	0.0042	0.0425	0.0170	0.0155	0.0146	0.0129	0.0124	0.0132	0.0113		0.02	66	TM	0.996		

VOLATILE ORGANIC ANALYSIS BY
EPA METHOD 8260B

Form 6
Initial Calibration

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

SDG No:
Initial Cal. Date: 10/15/2021
Instrument: Max

Initials:

		Compound	1	2	3	4	5	6	7	8	9		Avg	%RSD	Type		Q	MRF
36	TM	MEK (2-Butanone)	0.0332	0.0326	0.0363	0.0351	0.0325	0.0357	0.0324	0.0342	0.0346		0.03	4.3	TM			
37	TM	Cis-1,2-DCE	0.1508	0.1567	0.1446	0.1113	0.1316	0.1360	0.1266	0.1312	0.1278		0.14	10	TM			
38	TM	2,2-Dichloropropane	0.2829	0.2366	0.2197	0.2193	0.2309	0.2454	0.2308	0.2242	0.2240		0.23	8.5	TM			
39	TM*	Chloroform	0.1554	0.2020	0.2501	0.2382	0.2569	0.2726	0.2578	0.2540	0.2523		0.24	15	TM*			
40	TML	Bromochloromethane	0.1040	0.0920	0.0931	0.1176	0.1094	0.1056	0.1049	0.1084	0.1009		0.10	7.7	TM	0.999		
41	S	Dibromofluoromethane(S)	0.3580	0.3340	0.3038	0.2941	0.3047	0.3136	0.2987	0.3015	0.2862		0.31	7.2	S			
42	TM	1,1,1-TCA	0.2636	0.2422	0.2707	0.2885	0.2921	0.2898	0.2963	0.2887	0.2800		0.28	6.3	TM			
43	TM	Cyclohexane	0.0786	0.0832	0.0908	0.0807	0.0825	0.0701	0.0773	0.0765	0.0788		0.08	7.0	TM			
44	TM	1,1-Dichloropropene	0.1321	0.1579	0.1511	0.1468	0.1674	0.1534	0.1551	0.1496	0.1495		0.15	6.2	TM			
45	TM	2,2,4-Trimethylpentane	0.2393	0.1672	0.2119	0.2264	0.1839	0.1678	0.1830	0.1923	0.1956		0.20	13	TM			
46	S	1,2-DCA-D4(S)	0.2537	0.2270	0.2111	0.2053	0.2170	0.2102	0.2102	0.2107	0.2039		0.22	7.2	S			
47	TM	Carbon Tetrachloride	0.2703	0.2346	0.2668	0.2614	0.2739	0.2671	0.2581	0.2643	0.2660		0.26	4.4	TM			
48	TM	Tert Amyl Methyl Ether	0.2852	0.3313	0.2672	0.2865	0.3043	0.3119	0.2953	0.3074	0.2915		0.30	6.2	TM			
49	TM	1,2-DCA	0.2196	0.2210	0.2380	0.2461	0.2367	0.2417	0.2309	0.2437	0.2374		0.24	4.0	TM			
50	TM	Benzene	0.4803	0.4517	0.4397	0.4236	0.4345	0.4448	0.4245	0.4267	0.4199		0.44	4.3	TM			
51	TM	TCE	0.1271	0.1743	0.1565	0.1358	0.1245	0.1448	0.1323	0.1347	0.1332		0.14	11	TM			
52	TM	2-Pentanone	0.0582	0.0562	0.0561	0.0572	0.0561	0.0576	0.0555	0.0577	0.0580		0.06	1.8	TM			
53	TM*L	1,2-Dichloropropane	0.0482	0.0546	0.0514	0.0360	0.0419	0.0501	0.0484	0.0514	0.0467		0.05	12	TM*	0.998		
54	TM	Bromodichloromethane	0.1483	0.2146	0.1662	0.2030	0.2205	0.2025	0.2006	0.2104	0.2051		0.20	12	TM			
55	TML	Methyl Cyclohexane	0.1984	0.1391	0.1440	0.1602	0.1519	0.1358	0.1512	0.1540	0.1531		0.15	12	TM	1.000		
56	TM	Dibromomethane	0.0944	0.0820	0.1045	0.0868	0.0845	0.0850	0.0766	0.0795	0.0773		0.09	10	TM			
57	TM	MIBK (methyl isobutyl ketone)	0.0770	0.0658	0.0724	0.0771	0.0701	0.0753	0.0704	0.0737	0.0738		0.07	5.0	TM			
58	TML	1-Bromo-2-chloroethane	0.0302	0.0087	0.0167	0.0232	0.0320	0.0269	0.0274	0.0281	0.0275		0.02	30	TM	1.000		
59	TM	2-Chloroethyl vinyl ether													TM			
60	TM	Cis-1,3-Dichloropropene	0.1208	0.1719	0.1709	0.1894	0.1907	0.1839	0.1841	0.1860	0.1894		0.18	13	TM			
61	TM*	Toluene	0.5522	0.4801	0.4779	0.4772	0.5146	0.5462	0.5004	0.5063	0.5080		0.51	5.5	TM*			
62	TM	Trans-1,3-Dichloropropene	0.1393	0.1391	0.1685	0.1795	0.1887	0.1861	0.1833	0.1944	0.1948		0.17	12	TM			
63	TM	1,1,2-TCA	0.0935	0.0961	0.0637	0.0759	0.0732	0.0810	0.0731	0.0753	0.0756		0.08	13	TM			
64	TM	2-Hexanone	0.0466	0.0396	0.0499	0.0508	0.0466	0.0527	0.0507	0.0528	0.0538		0.05	9.0	TM			
65	I	Chlorobenzene-D5 (IS)																
66	S	Toluene-D8(S)	1.339	1.273	1.107	1.107	1.129	1.132	1.110	1.106	1.038		1.1	8.2	S			
67	TM	1,2-EDB	0.1119	0.1589	0.1216	0.1371	0.1335	0.1292	0.1341	0.1299	0.1309		0.13	9.6	TM			
68	TML	Tetrachloroethene	0.6091	0.3484	0.2276	0.1756	0.1358	0.1173	0.1351	0.1232	0.1143		0.22	74	TM	0.999		
69	TM	1-Chlorohexane	0.1152	0.0891	0.1082	0.0965	0.1019	0.0897	0.0993	0.0952	0.0980		0.10	8.4	TM			
70	TM	1,1,1,2-Tetrachloroethane	0.1391	0.1828	0.1648	0.1859	0.2121	0.2018	0.1949	0.1960	0.1965		0.19	12	TM			

VOLATILE ORGANIC ANALYSIS BY
EPA METHOD 8260B

Form 6
Initial Calibration

Lab Name: APPL, Inc. SDG No:
Case No: Initial Cal. Date: 10/15/2021
Matrix: Water Instrument: Max Initials:

		Compound	1	2	3	4	5	6	7	8	9		Avg	%RSD	Type		Q	MRF
71	TM	m&p-Xylene	0.2844	0.2517	0.2669	0.2707	0.2937	0.2972	0.2994	0.2919	0.2876		0.28	5.7	TM			
72	TM	o-Xylene	0.3290	0.3153	0.3138	0.2563	0.2863	0.2930	0.2871	0.2939	0.2927		0.30	7.1	TM			
73	TM	Styrene	0.4104	0.4286	0.3830	0.4298	0.4621	0.4757	0.4696	0.4735	0.4835		0.45	7.8	TM			
74	S	4-Bromofluorobenzene(S)	0.5305	0.4709	0.4295	0.4339	0.4550	0.4619	0.4657	0.4698	0.4596		0.46	6.2	S			
75	TM	1,3-Dichloropropane	0.2500	0.1841	0.1902	0.1782	0.1994	0.1925	0.1833	0.1867	0.1812		0.19	11	TM			
76	TM	Dibromochloromethane	0.2041	0.1894	0.1919	0.1859	0.1928	0.1923	0.1967	0.1988	0.1947		0.19	2.8	TM			
77	TM**	Chlorobenzene	0.4530	0.4058	0.3834	0.4602	0.4488	0.4441	0.4397	0.4331	0.4323		0.43	5.6	TM**			
78	TM*	Ethylbenzene	0.8163	0.6181	0.6491	0.6508	0.7106	0.6823	0.6773	0.6899	0.6792		0.69	8.1	TM*			
79	TM**	Bromoform	0.1795	0.1248	0.1586	0.1638	0.1562	0.1606	0.1638	0.1699	0.1727		0.16	9.6	TM**			
80	I	1,4-Dichlorobenzene-D (IS)																
81	TM	Isopropylbenzene	1.406	1.232	1.129	1.052	1.159	1.126	1.148	1.104	1.137		1.2	8.7	TM			
82	TM**	1,1,2,2-Tetrachloroethane		0.2460	0.2121	0.2073	0.1907	0.1939	0.1838	0.1825	0.1841		0.20	11	TM**			
83	TM	1,2,3-Trichloropropane		0.1099	0.0947	0.1052	0.1046	0.0956	0.0992	0.0943	0.0968		0.10	5.8	TM			
84	TML	t-1,4-Dichloro-2-Butene	0.1357	0.0279	0.0748	0.0564	0.0450	0.0484	0.0489	0.0515	0.0523		0.06	51	TM	1.000		
85	TM	Bromobenzene	0.4062	0.4088	0.3460	0.4046	0.3788	0.3610	0.3870	0.3662	0.3760		0.38	5.8	TM			
86	TM	n-Propylbenzene	1.201	1.175	1.139	1.072	1.136	1.178	1.160	1.146	1.156		1.2	3.2	TM			
87	TM	4-Ethyltoluene	1.173	0.9909	1.012	1.065	1.034	1.080	1.086	1.056	1.072		1.1	4.9	TM			
88	TM	2-Chlorotoluene	1.032	1.018	0.9358	0.9070	0.9024	0.9205	0.8841	0.8629	0.7541		0.91	9.0	TM			
89	TM	1,3,5-Trimethylbenzene	1.111	1.007	0.9502	0.8656	1.004	1.040	1.002	0.9694	1.004		0.99	6.7	TM			
90	TM	4-Chlorotoluene	0.9827	0.9428	0.8406	0.9352	0.8957	0.9074	0.9014	0.8707	0.8848		0.91	4.6	TM			
91	TM	Tert-Butylbenzene	0.4821	0.4878	0.5201	0.4933	0.5732	0.5707	0.6035	0.5946	0.6177		0.55	9.8	TM			
92	TM	1,2,4-Trimethylbenzene	0.7998	0.9460	0.8049	0.9155	0.9690	0.9763	1.035	1.004	1.031		0.94	9.4	TM			
93	TM	Sec-Butylbenzene	1.011	0.9172	0.9188	1.056	1.073	1.105	1.121	1.107	1.151		1.1	8.1	TM			
94	TM	p-Isopropyltoluene		0.8303	0.8889	0.9044	1.049	1.057	1.118	1.118	1.161		1.0	12	TM			
95	TM	Benzyl Chloride	0.2242	0.2792	0.2661	0.2638	0.2167	0.2173	0.2234	0.2228	0.2515		0.24	10	TM			
96	TM	1,3-DCB	0.8194	0.6364	0.5705	0.6021	0.6799	0.6575	0.6709	0.6645	0.6786		0.66	10	TM			
97	TM	1,4-DCB	0.8033	0.7211	0.7006	0.5831	0.6388	0.6540	0.6682	0.6466	0.6748		0.68	9.1	TM			
98	TML	n-Butylbenzene	0.4112	0.4841	0.4046	0.4944	0.5656	0.5974	0.6856	0.7160	0.7902		0.57	24	TM	0.998		
99	TM	1,2-DCB	0.6692	0.6405	0.5987	0.6470	0.6582	0.6539	0.6635	0.6423	0.6804		0.65	3.6	TM			
100	TM	Hexachloroethane	0.1548	0.1591	0.2055	0.1841	0.1602	0.1575	0.1628	0.1663	0.1819		0.17	9.9	TM			
101	TML	1,2-Dibromo-3-chloropropane	0.0088	0.0293	0.0318	0.0402	0.0481	0.0559	0.0579	0.0579	0.0634		0.04	41	TM	0.999		
102	TML	1,2,4-Trichlorobenzene	0.1483	0.1203	0.1072	0.1196	0.1592	0.1983	0.2646	0.2864	0.3386		0.19	43	TM	0.995		
103	TML	Hexachlorobutadiene	0.2376	0.1684	0.1828	0.2143	0.2245	0.2533	0.2820	0.2891	0.3092		0.24	20	TM	0.999		
104	TMQ	Naphthalene	0.3645	0.2801	0.2235	0.2250	0.3044	0.4145	0.5147	0.6032	0.7496		0.41	44	TM	1.000		
105	TML	1,2,3-Trichlorobenzene	0.1506	0.1044	0.1263	0.1303	0.2031	0.2496	0.3344	0.3708	0.4644		0.24	54	TM	0.992		

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211015\1015M12.D
Acq On : 15 Oct 21 15:12
Sample : 0.3ug/L VOC STD 10/15/21
Misc : IS&S 8/4/21

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

Quant Time: Oct 16 13:29 2021 Quant Results File: M1015W.RES

Quant Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 13:28:38 2021
Response via : Initial Calibration
DataAcq Meth : M8260

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene (IS)	6.34	96	397342	25.00	ppb		0.00
65) Chlorobenzene-D5 (IS)	9.50	117	352293	25.00	ppb		0.00
80) 1,4-Dichlorobenzene-D (IS)	11.82	152	217437	25.00	ppb		0.00
System Monitoring Compounds							
41) Dibromofluoromethane(S)	5.56	111	28448	5.92	ppb		0.00
Spiked Amount 25.000			Recovery = 23.696%				
46) 1,2-DCA-D4(S)	5.95	65	20160	6.18	ppb		0.00
Spiked Amount 25.000			Recovery = 24.716%				
66) Toluene-D8(S)	8.05	98	94364	5.92	ppb		0.00
Spiked Amount 25.000			Recovery = 23.668%				
74) 4-Bromofluorobenzene(S)	10.68	95	37378	5.45	ppb		0.00
Spiked Amount 25.000			Recovery = 21.784%				
Target Compounds							Qvalue
2) Chlorotrifluoroethene	1.02	116	2364	15.17	ppb	#	72
3) Dichlorodifluoromethane	1.19	85	437	0.22	ppb	#	64
4) Freon 114	1.29	85	300	0.18	ppb	#	59
5) Chloromethane	1.33	50	657	0.32	ppb	#	81
6) Vinyl chloride	1.42	62	584	0.40	ppb	#	61
7) 2-Chloro-1,1,1-trifluoroet	1.01	118	2099	48.48	ppb	#	60
9) Chloroethane	1.80	64	445	0.36	ppb	#	44
10) Dichlorofluoromethane	1.97	67	1225	0.36	ppb		93
11) Trichlorofluoromethane	2.01	101	1108	0.29	ppb		94
12) 2,2-Dichloro-1,1,1-trifluo	2.21	85	45	37.16	ppb	#	100
13) Acrolein	2.44	56	2646	7.09	ppb		94
14) Acetone	2.61	43	3165	6.98	ppb		98
15) Freon-113	2.54	151	532	0.30	ppb	#	45
16) Acetonitrile	2.92	41	1607	12.67	ppb	#	73
17) 2-propanol	2.28	45	21	1.12	ppb		92
18) 1,2-Dichlorotrifluoroethan	1.97	67	1225	0.36	ppb		100
19) 1,1-DCE	2.51	61	852	0.37	ppb	#	84
20) t-Butanol	3.33	59	1829	6.84	ppb		100
21) Methyl Acetate	2.98	43	391	0.48	ppb	#	49
22) Iodomethane	2.67	142	508	1.49	ppb	#	65
23) Acrylonitrile	3.35	53	42	0.18	ppb	#	21
25) Methylene chloride	3.08	84	716	0.43	ppb		98
26) Carbon disulfide	2.72	76	747	0.33	ppb	#	82
27) Methyl t-butyl ether (MtBE	3.46	73	1933	0.36	ppb	#	58
28) Trans-1,2-DCE	3.44	96	316	-0.63	ppb	#	66
29) 3-Methylpentane	3.50	57	383	-0.20	ppb	#	14
30) Hexane	3.64	56	45	2.06	ppb		100

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

Data File : M:\MAX\DATA\211015\1015M12.D Vial: 2
Acq On : 15 Oct 21 15:12 Operator: LP,DG,CH
Sample : 0.3ug/L VOC STD 10/15/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 16 13:29 2021 Quant Results File: M1015W.RES

Quant Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 13:28:38 2021
Response via : Initial Calibration
DataAcq Meth : M8260

Compound	R.T.	QIon	Response	Conc Unit		Qvalue
31) Diisopropyl Ether	4.25	45	817	0.22 ppb	#	85
32) 1,1-DCA	4.07	63	636	0.23 ppb	#	52
33) Vinyl Acetate	4.21	43	543	0.41 ppb	#	77
34) Ethyl tert Butyl Ether	4.78	59	1368	0.28 ppb		93
35) Methylcyclopentane	4.75	56	20	0.10 ppb		100
36) MEK (2-Butanone)	4.98	43	2641	4.99 ppb	#	85
37) Cis-1,2-DCE	4.91	96	719	0.37 ppb	#	64
38) 2,2-Dichloropropane	4.88	77	1349	0.38 ppb	#	61
39) Chloroform	5.36	83	741	0.20 ppb		79
40) Bromochloromethane	5.23	130	496	-0.43 ppb	#	74
42) 1,1,1-TCA	5.54	97	1257	0.32 ppb	#	75
43) Cyclohexane	5.57	41	375	0.32 ppb	#	22
44) 1,1-Dichloropropene	5.74	75	630	0.28 ppb	#	37
45) 2,2,4-Trimethylpentane	6.13	57	1141	0.32 ppb	#	36
47) Carbon Tetrachloride	5.73	117	1289	0.36 ppb	#	68
48) Tert Amyl Methyl Ether	6.18	73	1360	0.28 ppb	#	91
49) 1,2-DCA	6.05	62	1047	0.31 ppb	#	81
50) Benzene	5.99	78	2290	0.37 ppb	#	84
51) TCE	6.75	95	606	-0.55 ppb	#	79
52) 2-Pentanone	7.01	43	9248	10.52 ppb		94
54) Bromodichloromethane	7.31	83	707	0.24 ppb		90
55) Methyl Cyclohexane	6.94	83	946	-0.21 ppb	#	70
56) Dibromomethane	7.12	93	450	0.40 ppb	#	72
57) MIBK (methyl isobutyl ket	7.98	43	6119	5.11 ppb	#	93
58) 1-Bromo-2-chloroethane	7.62	144	144	0.35 ppb	#	15
59) 2-Chloroethyl vinyl ether	7.55	43	20	15.83 ppb	#	100
60) Cis-1,3-Dichloropropene	7.79	75	576	0.21 ppb	#	79
61) Toluene	8.12	91	2633	0.34 ppb		80
62) Trans-1,3-Dichloropropene	8.38	75	664	0.24 ppb	#	29
63) 1,1,2-TCA	8.55	83	446	0.37 ppb	#	57
64) 2-Hexanone	8.83	43	3704	4.34 ppb	#	75
67) 1,2-EDB	9.03	107	473	0.30 ppb		100
68) Tetrachloroethene	8.66	164	2575	1.67 ppb	#	81
69) 1-Chlorohexane	9.53	91	487	0.35 ppb		82
70) 1,1,1,2-Tetrachloroethane	9.61	131	588	0.23 ppb		78
71) m&p-Xylene	9.77	106	2405	0.62 ppb		90
72) o-Xylene	10.17	106	1391	0.36 ppb	#	50
73) Styrene	10.18	104	1735	0.27 ppb	#	81
75) 1,3-Dichloropropane	8.72	76	1057	0.44 ppb	#	80
76) Dibromochloromethane	8.93	129	863	0.35 ppb	#	72
77) Chlorobenzene	9.53	112	1915	0.32 ppb		91
78) Ethylbenzene	9.65	91	3451	0.39 ppb		91

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

Data File : M:\MAX\DATA\211015\1015M12.D Vial: 2
Acq On : 15 Oct 21 15:12 Operator: LP,DG,CH
Sample : 0.3ug/L VOC STD 10/15/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 16 13:29 2021 Quant Results File: M1015W.RES

Quant Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 13:28:38 2021
Response via : Initial Calibration
DataAcq Meth : M8260

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
79)	Bromoform	10.35	173	759	0.37 ppb		89
81)	Isopropylbenzene	10.53	105	3669	0.39 ppb		90
82)	1,1,2,2-Tetrachloroethane	10.84	83	842	0.53 ppb	#	56
83)	1,2,3-Trichloropropane	10.88	110	81	-0.27 ppb	#	6
84)	t-1,4-Dichloro-2-Butene	10.91	53	354	1.04 ppb	#	3
85)	Bromobenzene	10.81	156	1060	0.33 ppb		76
86)	n-Propylbenzene	10.94	91	3134	0.33 ppb		99
87)	4-Ethyltoluene	11.06	105	3060	0.34 ppb		92
88)	2-Chlorotoluene	11.02	91	2692	0.36 ppb		99
89)	1,3,5-Trimethylbenzene	11.13	105	2898	0.36 ppb		96
90)	4-Chlorotoluene	11.13	91	2564	0.34 ppb		89
91)	Tert-Butylbenzene	11.45	119	1258	0.27 ppb		87
92)	1,2,4-Trimethylbenzene	11.48	105	2087	0.47 ppb		79
93)	Sec-Butylbenzene	11.66	105	2637	0.31 ppb		97
94)	p-Isopropyltoluene	11.81	119	1811	0.55 ppb	#	62
95)	Benzyl Chloride	11.99	91	585	0.27 ppb	#	89
96)	1,3-DCB	11.76	146	2138	0.40 ppb		89
97)	1,4-DCB	11.85	146	2096	-0.11 ppb	#	61
98)	n-Butylbenzene	12.22	91	1073	1.08 ppb	#	82
99)	1,2-DCB	12.22	146	1746	0.33 ppb	#	84
100)	Hexachloroethane	12.46	117	404	0.14 ppb	#	66
101)	1,2-Dibromo-3-chloropropan	13.06	75	23	0.87 ppb	#	1
102)	1,2,4-Trichlorobenzene	13.81	180	387	2.26 ppb	#	70
103)	Hexachlorobutadiene	13.99	225	620	1.04 ppb	#	64
104)	Naphthalene	14.05	128	951	0.77 ppb	#	69
105)	1,2,3-Trichlorobenzene	14.30	180	393	3.03 ppb	#	70

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

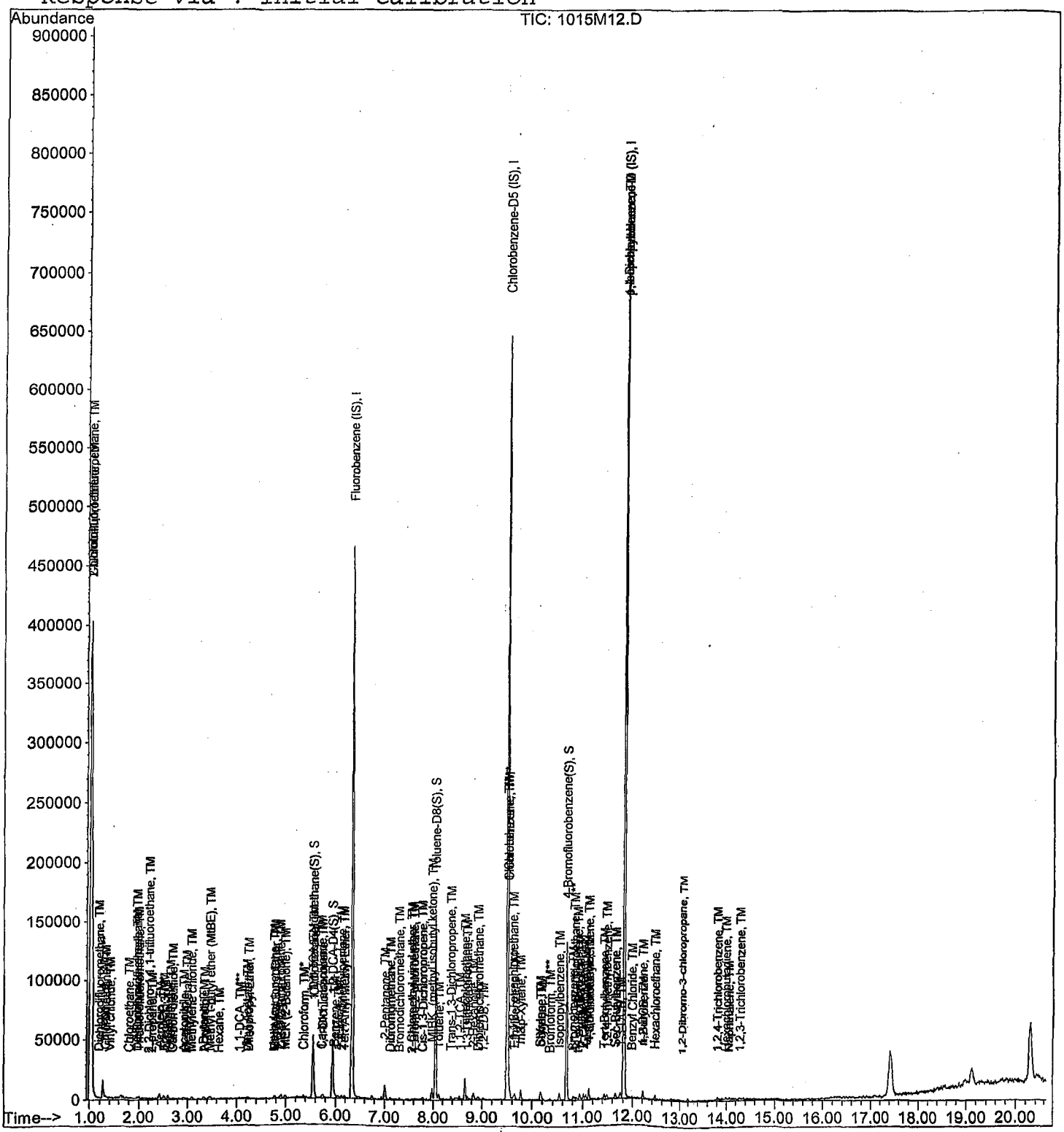
Quantitation Report

Data File : M:\MAX\DATA\211015\1015M12.D
Acq On : 15 Oct 21 15:12
Sample : 0.3ug/L VOC STD 10/15/21
Misc : IS&S 8/4/21

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

Quant Time: Oct 16 13:29 2021 Quant Results File: M1015W.RES

Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 14:01:48 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211015\1015M13.D
Acq On : 15 Oct 21 15:41
Sample : 0.5ug/L VOC STD 10/15/21
Misc : IS&S 8/4/21

Vial: 3
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Oct 16 13:29 2021 Quant Results File: M1015W.RES

Quant Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 13:28:38 2021
Response via : Initial Calibration
DataAcq Meth : M8260

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene (IS)	6.34	96	396824	25.00	ppb		0.00
65) Chlorobenzene-D5 (IS)	9.50	117	348546	25.00	ppb		0.00
80) 1,4-Dichlorobenzene-D (IS)	11.82	152	220294	25.00	ppb		0.00
System Monitoring Compounds							
41) Dibromofluoromethane(S)	5.56	111	26504	5.53	ppb		0.00
Spiked Amount 25.000			Recovery = 22.108%				
46) 1,2-DCA-D4(S)	5.95	65	18016	5.53	ppb		0.00
Spiked Amount 25.000			Recovery = 22.116%				
66) Toluene-D8(S)	8.05	98	88728	5.62	ppb		0.00
Spiked Amount 25.000			Recovery = 22.496%				
74) 4-Bromofluorobenzene(S)	10.68	95	32826	4.83	ppb		0.00
Spiked Amount 25.000			Recovery = 19.340%				
Target Compounds							Qvalue
2) Chlorotrifluoroethene	1.02	116	1922	12.35	ppb		94
3) Dichlorodifluoromethane	1.19	85	1197	0.59	ppb		94
4) Freon 114	1.28	85	612	0.36	ppb		83
5) Chloromethane	1.33	50	648	0.31	ppb		91
6) Vinyl chloride	1.42	62	957	0.65	ppb		91
7) 2-Chloro-1,1,1-trifluoroet	1.01	118	2181	50.44	ppb	#	40
8) Bromomethane	1.68	94	790	0.18	ppb		95
9) Chloroethane	1.78	64	763	0.68	ppb	#	70
10) Dichlorofluoromethane	1.97	67	2477	0.74	ppb		87
11) Trichlorofluoromethane	2.00	101	2404	0.63	ppb		83
13) Acrolein	2.44	56	5714	15.34	ppb		85
14) Acetone	2.61	43	4830	10.67	ppb		100
15) Freon-113	2.52	151	1032	0.59	ppb	#	76
16) Acetonitrile	2.93	41	2762	21.81	ppb		95
17) 2-propanol	2.24	45	71	3.78	ppb	#	36
18) 1,2-Dichlorotrifluoroethan	1.97	67	2477	0.74	ppb		100
19) 1,1-DCE	2.51	61	1452	0.63	ppb	#	80
20) t-Butanol	3.34	59	3416	24.57	ppb		100
21) Methyl Acetate	3.00	43	397	0.49	ppb	#	26
22) Iodomethane	2.66	142	992	1.75	ppb	#	91
23) Acrylonitrile	3.45	53	44	0.18	ppb	#	21
24) 2-Methylpentane	2.05	71	22	9.10	ppb		100
25) Methylene chloride	3.08	84	819	0.49	ppb	#	62
26) Carbon disulfide	2.71	76	1214	0.54	ppb	#	76
27) Methyl t-butyl ether (MtBE	3.47	73	3072	0.57	ppb		100
29) 3-Methylpentane	3.46	57	622	0.08	ppb	#	88
31) Diisopropyl Ether	4.25	45	1808	0.49	ppb	#	66

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

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211015\1015M13.D Vial: 3
Acq On : 15 Oct 21 15:41 Operator: LP,DG,CH
Sample : 0.5ug/L VOC STD 10/15/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 16 13:29 2021 Quant Results File: M1015W.RES

Quant Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 13:28:38 2021
Response via : Initial Calibration
DataAcq Meth : M8260

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
32)	1,1-DCA	4.05	63	1559	0.57 ppb	#	74
34)	Ethyl tert Butyl Ether	4.77	59	2504	0.51 ppb		99
35)	Methylcyclopentane	4.76	56	337	1.65 ppb		100
36)	MEK (2-Butanone)	4.99	43	5170	9.78 ppb	#	82
37)	Cis-1,2-DCE	4.91	96	1244	0.65 ppb	#	59
38)	2,2-Dichloropropane	4.89	77	1878	0.53 ppb		98
39)	Chloroform	5.37	83	1603	0.43 ppb		89
40)	Bromochloromethane	5.22	130	730	-0.26 ppb	#	78
42)	1,1,1-TCA	5.55	97	1922	0.49 ppb	#	85
43)	Cyclohexane	5.58	41	660	0.56 ppb	#	25
44)	1,1-Dichloropropene	5.75	75	1253	0.56 ppb	#	53
45)	2,2,4-Trimethylpentane	6.11	57	1327	0.38 ppb		93
47)	Carbon Tetrachloride	5.73	117	1862	0.52 ppb		93
48)	Tert Amyl Methyl Ether	6.18	73	2629	0.55 ppb		93
49)	1,2-DCA	6.04	62	1754	0.51 ppb	#	90
50)	Benzene	5.99	78	3585	0.57 ppb	#	79
51)	TCE	6.75	95	1383	-0.12 ppb	#	62
52)	2-Pentanone	7.01	43	22294	25.38 ppb		99
53)	1,2-Dichloropropane	7.00	63	433	0.34 ppb	#	78
54)	Bromodichloromethane	7.31	83	1703	0.58 ppb		76
55)	Methyl Cyclohexane	6.94	83	1104	-0.14 ppb		89
56)	Dibromomethane	7.13	93	651	0.58 ppb	#	59
57)	MIBK (methyl isobutyl ket	7.98	43	10443	8.74 ppb	#	85
58)	1-Bromo-2-chloroethane	7.63	144	69	0.17 ppb	#	15
59)	2-Chloroethyl vinyl ether	7.72	43	20	15.85 ppb	#	100
60)	Cis-1,3-Dichloropropene	7.79	75	1364	0.50 ppb	#	83
61)	Toluene	8.12	91	3810	0.50 ppb		85
62)	Trans-1,3-Dichloropropene	8.37	75	1104	0.39 ppb	#	67
63)	1,1,2-TCA	8.55	83	763	0.63 ppb	#	68
64)	2-Hexanone	8.83	43	6286	7.37 ppb	#	75
67)	1,2-EDB	9.03	107	1108	0.71 ppb	#	61
68)	Tetrachloroethene	8.66	164	2429	1.59 ppb	#	78
69)	1-Chlorohexane	9.53	91	621	0.45 ppb		86
70)	1,1,1,2-Tetrachloroethane	9.62	131	1274	0.50 ppb		97
71)	m&p-Xylene	9.77	106	3509	0.92 ppb		76
72)	o-Xylene	10.16	106	2198	0.57 ppb		64
73)	Styrene	10.18	104	2988	0.47 ppb		87
75)	1,3-Dichloropropane	8.72	76	1283	0.54 ppb		100
76)	Dibromochloromethane	8.94	129	1320	0.55 ppb		87
77)	Chlorobenzene	9.53	112	2829	0.48 ppb	#	87
78)	Ethylbenzene	9.65	91	4309	0.49 ppb		97
79)	Bromoform	10.35	173	870	0.43 ppb		86

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

Data File : M:\MAX\DATA\211015\1015M13.D
Acq On : 15 Oct 21 15:41
Sample : 0.5ug/L VOC STD 10/15/21
Misc : IS&S 8/4/21

Vial: 3
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Oct 16 13:29 2021 Quant Results File: M1015W.RES

Quant Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 13:28:38 2021
Response via : Initial Calibration
DataAcq Meth : M8260

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
81)	Isopropylbenzene	10.53	105	5427	0.56	ppb		97
82)	1,1,2,2-Tetrachloroethane	10.84	83	1084	0.67	ppb	#	62
83)	1,2,3-Trichloropropane	10.88	110	484	0.27	ppb	#	79
84)	t-1,4-Dichloro-2-Butene	10.91	53	123	0.57	ppb	#	3
85)	Bromobenzene	10.82	156	1801	0.55	ppb		93
86)	n-Propylbenzene	10.95	91	5177	0.54	ppb		100
87)	4-Ethyltoluene	11.06	105	4366	0.48	ppb	#	82
88)	2-Chlorotoluene	11.02	91	4485	0.60	ppb		89
89)	1,3,5-Trimethylbenzene	11.12	105	4437	0.54	ppb		86
90)	4-Chlorotoluene	11.12	91	4154	0.55	ppb		95
91)	Tert-Butylbenzene	11.45	119	2149	0.46	ppb		95
92)	1,2,4-Trimethylbenzene	11.49	105	4168	0.72	ppb		83
93)	Sec-Butylbenzene	11.66	105	4041	0.47	ppb		91
94)	p-Isopropyltoluene	11.81	119	3658	0.74	ppb		95
95)	Benzyl Chloride	12.00	91	1230	0.56	ppb	#	84
96)	1,3-DCB	11.76	146	2804	0.52	ppb	#	85
97)	1,4-DCB	11.85	146	3177	0.09	ppb		93
98)	n-Butylbenzene	12.21	91	2133	1.25	ppb		87
99)	1,2-DCB	12.21	146	2822	0.53	ppb	#	84
100)	Hexachloroethane	12.45	117	701	0.35	ppb	#	51
101)	1,2-Dibromo-3-chloropropan	12.99	75	129	1.10	ppb	#	1
102)	1,2,4-Trichlorobenzene	13.82	180	530	2.32	ppb	#	45
103)	Hexachlorobutadiene	13.99	225	742	1.09	ppb	#	82
104)	Naphthalene	14.05	128	1234	0.86	ppb	#	69
105)	1,2,3-Trichlorobenzene	14.30	180	460	3.05	ppb	#	69

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

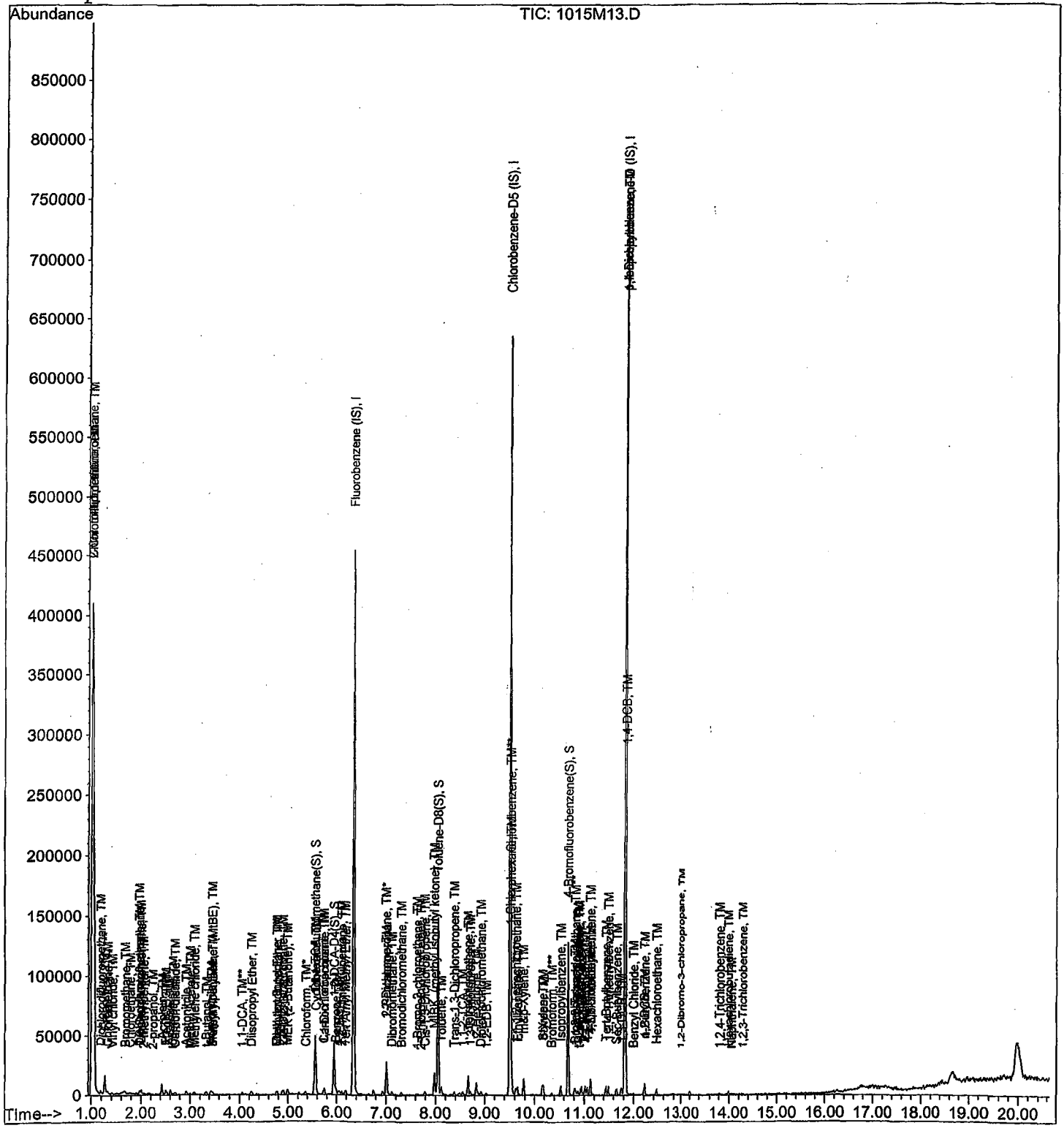
Quantitation Report

Data File : M:\MAX\DATA\211015\1015M13.D
Acq On : 15 Oct 21 15:41
Sample : 0.5ug/L VOC STD 10/15/21
Misc : IS&S 8/4/21

Vial: 3
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Oct 16 13:29 2021
Quant Results File: M1015W.RES

Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 14:01:48 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211015\1015M14.D
Acq On : 15 Oct 21 16:09
Sample : 1ug/L VOC STD 10/15/21
Misc : IS&S 8/4/21

Vial: 4
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Oct 16 13:29 2021 Quant Results File: M1015W.RES

Quant Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 13:28:38 2021
Response via : Initial Calibration
DataAcq Meth : M8260

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene (IS)	6.34	96	394605	25.00	ppb		0.00
65) Chlorobenzene-D5 (IS)	9.50	117	355921	25.00	ppb		0.00
80) 1,4-Dichlorobenzene-D (IS)	11.82	152	218264	25.00	ppb		0.00
System Monitoring Compounds							
41) Dibromofluoromethane(S)	5.56	111	47945	10.05	ppb		0.00
Spiked Amount 25.000			Recovery = 40.216%				
46) 1,2-DCA-D4(S)	5.95	65	33328	10.29	ppb		0.00
Spiked Amount 25.000			Recovery = 41.144%				
66) Toluene-D8(S)	8.05	98	157547	9.78	ppb		0.00
Spiked Amount 25.000			Recovery = 39.116%				
74) 4-Bromofluorobenzene(S)	10.68	95	61144	8.82	ppb		0.00
Spiked Amount 25.000			Recovery = 35.276%				
Target Compounds							Qvalue
2) Chlorotrifluoroethene	1.01	116	1602	10.35	ppb	#	12
3) Dichlorodifluoromethane	1.19	85	2543	1.27	ppb		91
4) Freon 114	1.29	85	1368	0.81	ppb		78
5) Chloromethane	1.33	50	1636	1.13	ppb		90
6) Vinyl chloride	1.42	62	1546	1.05	ppb	#	78
7) 2-Chloro-1,1,1-trifluoroet	1.01	118	2765	64.30	ppb	#	65
8) Bromomethane	1.68	94	1565	0.99	ppb		84
9) Chloroethane	1.78	64	2493	2.43	ppb		94
10) Dichlorofluoromethane	1.97	67	4092	1.22	ppb	#	80
11) Trichlorofluoromethane	2.00	101	4558	1.21	ppb		84
12) 2,2-Dichloro-1,1,1-trifluo	2.40	85	21	17.46	ppb		100
13) Acrolein	2.43	56	10691	28.86	ppb		94
14) Acetone	2.61	43	10882	24.17	ppb		89
15) Freon-113	2.53	151	2046	1.17	ppb	#	88
16) Acetonitrile	2.92	41	5855	46.50	ppb	#	94
17) 2-propanol	2.26	45	136	7.29	ppb	#	83
18) 1,2-Dichlorotrifluoroethan	1.97	67	4092	1.22	ppb		100
19) 1,1-DCE	2.51	61	2994	1.31	ppb	#	89
20) t-Butanol	3.34	59	7682	57.57	ppb		98
21) Methyl Acetate	3.00	43	760	0.94	ppb		87
22) Iodomethane	2.66	142	1392	1.97	ppb	#	86
23) Acrylonitrile	3.43	53	471	1.12	ppb	#	42
25) Methylene chloride	3.08	84	1772	1.07	ppb		86
26) Carbon disulfide	2.72	76	2194	0.99	ppb	#	87
27) Methyl t-butyl ether (MtBE	3.47	73	6302	1.18	ppb		98
28) Trans-1,2-DCE	3.43	96	1741	0.31	ppb		80
29) 3-Methylpentane	3.34	57	1128	0.68	ppb	#	72

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

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211015\1015M14.D
Acq On : 15 Oct 21 16:09
Sample : 1ug/L VOC STD 10/15/21
Misc : IS&S 8/4/21

Vial: 4
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Oct 16 13:29 2021 Quant Results File: M1015W.RES

Quant Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 13:28:38 2021
Response via : Initial Calibration
DataAcq Meth : M8260

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
31)	Diisopropyl Ether	4.25	45	3947	1.07	ppb	#	82
32)	1,1-DCA	4.05	63	3272	1.19	ppb	#	79
34)	Ethyl tert Butyl Ether	4.78	59	4498	0.93	ppb	#	61
35)	Methylcyclopentane	4.77	56	269	1.32	ppb		100
36)	MEK (2-Butanone)	4.99	43	11464	21.80	ppb		86
37)	Cis-1,2-DCE	4.92	96	2282	1.19	ppb		75
38)	2,2-Dichloropropane	4.90	77	3468	0.98	ppb	#	85
39)	Chloroform	5.36	83	3948	1.05	ppb		89
40)	Bromochloromethane	5.23	130	1469	0.28	ppb	#	84
42)	1,1,1-TCA	5.54	97	4273	1.09	ppb	#	84
43)	Cyclohexane	5.59	41	1433	1.22	ppb	#	68
44)	1,1-Dichloropropene	5.74	75	2385	1.08	ppb		94
45)	2,2,4-Trimethylpentane	6.11	57	3345	0.96	ppb	#	69
47)	Carbon Tetrachloride	5.73	117	4212	1.19	ppb		82
48)	Tert Amyl Methyl Ether	6.18	73	4217	0.88	ppb	#	95
49)	1,2-DCA	6.04	62	3756	1.10	ppb	#	81
50)	Benzene	6.00	78	6941	1.11	ppb	#	82
51)	TCE	6.75	95	2471	0.48	ppb		89
52)	2-Pentanone	7.01	43	44308	50.73	ppb		100
53)	1,2-Dichloropropane	7.00	63	811	0.93	ppb	#	45
54)	Bromodichloromethane	7.31	83	2624	0.90	ppb		95
55)	Methyl Cyclohexane	6.94	83	2273	0.38	ppb		76
56)	Dibromomethane	7.12	93	1650	1.48	ppb	#	63
57)	MIBK (methyl isobutyl ket	7.98	43	22869	19.25	ppb		94
58)	1-Bromo-2-chloroethane	7.63	144	263	0.64	ppb	#	15
59)	2-Chloroethyl vinyl ether	7.56	43	22	17.53	ppb	#	100
60)	Cis-1,3-Dichloropropene	7.79	75	2697	0.99	ppb		94
61)	Toluene	8.12	91	7543	0.99	ppb		88
62)	Trans-1,3-Dichloropropene	8.37	75	2660	0.95	ppb		96
63)	1,1,2-TCA	8.56	83	1005	0.84	ppb		84
64)	2-Hexanone	8.83	43	15739	18.57	ppb		97
67)	1,2-EDB	9.03	107	1731	1.09	ppb		84
68)	Tetrachloroethene	8.66	164	3240	2.08	ppb		85
69)	1-Chlorohexane	9.53	91	1541	1.09	ppb		96
70)	1,1,1,2-Tetrachloroethane	9.62	131	2346	0.90	ppb		78
71)	m&p-Xylene	9.77	106	7601	1.95	ppb		79
72)	o-Xylene	10.16	106	4468	1.13	ppb	#	50
73)	Styrene	10.18	104	5452	0.84	ppb		97
75)	1,3-Dichloropropane	8.72	76	2708	1.11	ppb	#	79
76)	Dibromochloromethane	8.93	129	2732	1.11	ppb		84
77)	Chlorobenzene	9.52	112	5459	0.91	ppb		89
78)	Ethylbenzene	9.65	91	9241	1.02	ppb		98

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

Data File : M:\MAX\DATA\211015\1015M14.D
Acq On : 15 Oct 21 16:09
Sample : 1ug/L VOC STD 10/15/21
Misc : IS&S 8/4/21

Vial: 4
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Oct 16 13:29 2021 Quant Results File: M1015W.RES

Quant Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 13:28:38 2021
Response via : Initial Calibration
DataAcq Meth : M8260

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
79)	Bromoform	10.35	173	2258	1.10	ppb		98
81)	Isopropylbenzene	10.53	105	9854	1.03	ppb		90
82)	1,1,2,2-Tetrachloroethane	10.84	83	1852	1.16	ppb	#	71
83)	1,2,3-Trichloropropane	10.88	110	827	0.74	ppb		84
84)	t-1,4-Dichloro-2-Butene	10.89	53	653	1.64	ppb	#	37
85)	Bromobenzene	10.81	156	3021	0.93	ppb		97
86)	n-Propylbenzene	10.94	91	9945	1.04	ppb		98
87)	4-Ethyltoluene	11.06	105	8835	0.99	ppb	#	81
88)	2-Chlorotoluene	11.01	91	8170	1.10	ppb		86
89)	1,3,5-Trimethylbenzene	11.13	105	8296	1.01	ppb	#	76
90)	4-Chlorotoluene	11.13	91	7339	0.98	ppb		93
91)	Tert-Butylbenzene	11.44	119	4541	0.98	ppb		91
92)	1,2,4-Trimethylbenzene	11.49	105	7027	1.07	ppb		97
93)	Sec-Butylbenzene	11.66	105	8022	0.93	ppb		99
94)	p-Isopropyltoluene	11.81	119	7761	1.20	ppb		94
95)	Benzyl Chloride	11.99	91	2323	1.07	ppb		92
96)	1,3-DCB	11.76	146	4981	0.93	ppb		94
97)	1,4-DCB	11.84	146	6117	0.68	ppb		86
98)	n-Butylbenzene	12.21	91	3532	1.48	ppb		84
99)	1,2-DCB	12.21	146	5227	0.99	ppb		95
100)	Hexachloroethane	12.46	117	1794	1.13	ppb		73
101)	1,2-Dibromo-3-chloropropan	13.00	75	278	1.43	ppb	#	59
102)	1,2,4-Trichlorobenzene	13.81	180	936	2.49	ppb		88
103)	Hexachlorobutadiene	13.98	225	1596	1.44	ppb		91
104)	Naphthalene	14.06	128	1951	1.11	ppb	#	92
105)	1,2,3-Trichlorobenzene	14.29	180	1103	3.26	ppb	#	74

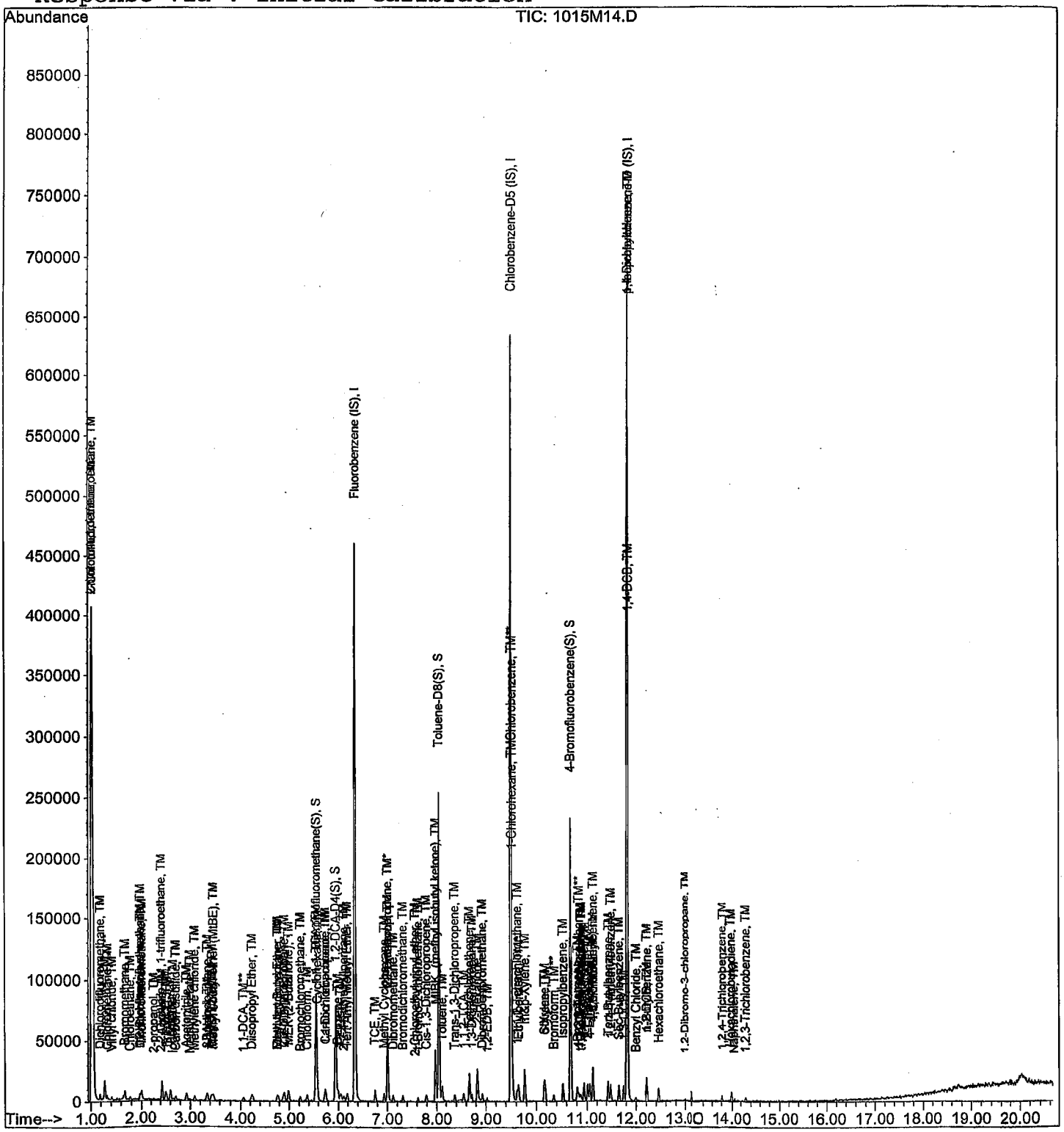
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\MAX\DATA\211015\1015M14.D Vial: 4
Acq On : 15 Oct 21 16:09 Operator: LP,DG,CH
Sample : 1ug/L VOC STD 10/15/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 16 13:29 2021 Quant Results File: M1015W.RES

Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 14:01:48 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211015\1015M15.D Vial: 5
Acq On : 15 Oct 21 16:38 Operator: LP,DG,CH
Sample : 2ug/L VOC STD 10/15/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 16 13:29 2021 Quant Results File: M1015W.RES

Quant Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 13:28:38 2021
Response via : Initial Calibration
DataAcq Meth : M8260

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene (IS)	6.34	96	397741	25.00	ppb		0.00
65) Chlorobenzene-D5 (IS)	9.50	117	352458	25.00	ppb		0.00
80) 1,4-Dichlorobenzene-D (IS)	11.82	152	222724	25.00	ppb		0.00
System Monitoring Compounds							
41) Dibromofluoromethane(S)	5.56	111	46784	9.73	ppb		0.00
Spiked Amount 25.000			Recovery =	38.932%			
46) 1,2-DCA-D4(S)	5.95	65	32664	10.00	ppb		0.00
Spiked Amount 25.000			Recovery =	40.008%			
66) Toluene-D8(S)	8.05	98	156127	9.79	ppb		0.00
Spiked Amount 25.000			Recovery =	39.144%			
74) 4-Bromofluorobenzene(S)	10.68	95	61174	8.91	ppb		0.00
Spiked Amount 25.000			Recovery =	35.640%			
Target Compounds							Qvalue
2) Chlorotrifluoroethene	1.02	116	2218	14.22	ppb	#	51
3) Dichlorodifluoromethane	1.18	85	4500	2.23	ppb		98
4) Freon 114	1.29	85	2873	1.69	ppb		80
5) Chloromethane	1.33	50	2712	2.00	ppb	#	86
6) Vinyl chloride	1.42	62	3230	2.18	ppb		92
7) 2-Chloro-1,1,1-trifluoroet	1.02	118	1945	44.88	ppb	#	38
8) Bromomethane	1.68	94	2697	2.14	ppb		95
9) Chloroethane	1.78	64	1755	1.67	ppb	#	67
10) Dichlorofluoromethane	1.97	67	6925	2.05	ppb		94
11) Trichlorofluoromethane	2.00	101	9973	2.63	ppb		98
13) Acrolein	2.43	56	18305	49.03	ppb		98
14) Acetone	2.61	43	15819	34.86	ppb		94
15) Freon-113	2.52	151	3875	2.20	ppb	#	85
16) Acetonitrile	2.93	41	8400	66.18	ppb		96
17) 2-propanol	2.25	45	148	7.87	ppb	#	55
18) 1,2-Dichlorotrifluoroethan	1.97	67	6925	2.05	ppb		100
19) 1,1-DCE	2.51	61	5750	2.49	ppb		90
20) t-Butanol	3.34	59	12116	82.21	ppb		99
21) Methyl Acetate	2.99	43	1802	2.21	ppb		91
22) Iodomethane	2.66	142	2280	2.44	ppb	#	85
23) Acrylonitrile	3.43	53	760	1.75	ppb		96
24) 2-Methylpentane	2.29	71	46	18.97	ppb		100
25) Methylene chloride	3.08	84	3477	2.07	ppb		93
26) Carbon disulfide	2.71	76	5106	2.28	ppb		97
27) Methyl t-butyl ether (MtBE	3.46	73	11162	2.07	ppb	#	87
28) Trans-1,2-DCE	3.43	96	3660	1.56	ppb		86
29) 3-Methylpentane	3.47	57	2566	2.34	ppb	#	92

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

Data File : M:\MAX\DATA\211015\1015M15.D
Acq On : 15 Oct 21 16:38
Sample : 2ug/L VOC STD 10/15/21
Misc : IS&S 8/4/21

Vial: 5
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Oct 16 13:29 2021

Quant Results File: M1015W.RES

Quant Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 13:28:38 2021
Response via : Initial Calibration
DataAcq Meth : M8260

Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
31) Diisopropyl Ether	4.25	45	7913	2.12	ppb	#	71
32) 1,1-DCA	4.06	63	5912	2.14	ppb	#	91
34) Ethyl tert Butyl Ether	4.77	59	9568	1.96	ppb		91
35) Methylcyclopentane	4.78	56	494	2.41	ppb		100
36) MEK (2-Butanone)	4.99	43	16761	31.63	ppb	#	85
37) Cis-1,2-DCE	4.91	96	3543	1.84	ppb		76
38) 2,2-Dichloropropane	4.89	77	6978	1.95	ppb		98
39) Chloroform	5.36	83	7578	2.00	ppb		97
40) Bromochloromethane	5.22	130	3743	1.92	ppb	#	79
42) 1,1,1-TCA	5.54	97	9181	2.32	ppb		92
43) Cyclohexane	5.59	41	2567	2.16	ppb		93
44) 1,1-Dichloropropene	5.75	75	4670	2.10	ppb		98
45) 2,2,4-Trimethylpentane	6.11	57	7204	2.04	ppb	#	50
47) Carbon Tetrachloride	5.73	117	8319	2.33	ppb		82
48) Tert Amyl Methyl Ether	6.18	73	9116	1.89	ppb	#	93
49) 1,2-DCA	6.04	62	7832	2.28	ppb	#	87
50) Benzene	5.99	78	13478	2.15	ppb		94
51) TCE	6.75	95	4321	1.48	ppb		92
52) 2-Pentanone	7.01	43	68287	77.56	ppb		94
53) 1,2-Dichloropropane	7.01	63	1147	1.43	ppb	#	78
54) Bromodichloromethane	7.31	83	6459	2.21	ppb		94
55) Methyl Cyclohexane	6.94	83	5097	1.61	ppb		97
56) Dibromomethane	7.12	93	2762	2.46	ppb	#	77
57) MIBK (methyl isobutyl ket	7.98	43	36816	30.74	ppb		97
58) 1-Bromo-2-chloroethane	7.63	144	737	1.77	ppb		75
59) 2-Chloroethyl vinyl ether	7.81	43	19	15.02	ppb	#	100
60) Cis-1,3-Dichloropropene	7.79	75	6027	2.19	ppb		91
61) Toluene	8.12	91	15184	1.97	ppb		85
62) Trans-1,3-Dichloropropene	8.38	75	5713	2.03	ppb		86
63) 1,1,2-TCA	8.54	83	2414	1.99	ppb		93
64) 2-Hexanone	8.83	43	24259	28.40	ppb		97
67) 1,2-EDB	9.03	107	3866	2.45	ppb		83
68) Tetrachloroethene	8.66	164	4952	3.20	ppb	#	80
69) 1-Chlorohexane	9.53	91	2721	1.95	ppb	#	79
70) 1,1,1,2-Tetrachloroethane	9.62	131	5242	2.02	ppb		90
71) m&p-Xylene	9.77	106	15266	3.95	ppb		88
72) o-Xylene	10.16	106	7227	1.84	ppb		97
73) Styrene	10.18	104	12118	1.89	ppb		99
75) 1,3-Dichloropropane	8.71	76	5024	2.07	ppb		90
76) Dibromochloromethane	8.93	129	5242	2.15	ppb		94
77) Chlorobenzene	9.53	112	12976	2.19	ppb		90
78) Ethylbenzene	9.65	91	18350	2.05	ppb		96

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

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211015\1015M15.D Vial: 5
Acq On : 15 Oct 21 16:38 Operator: LP,DG,CH
Sample : 2ug/L VOC STD 10/15/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 16 13:29 2021 Quant Results File: M1015W.RES

Quant Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 13:28:38 2021
Response via : Initial Calibration
DataAcq Meth : M8260

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
79)	Bromoform	10.35	173	4619	2.28	ppb		87
81)	Isopropylbenzene	10.53	105	18752	1.93	ppb		92
82)	1,1,2,2-Tetrachloroethane	10.84	83	3694	2.26	ppb		93
83)	1,2,3-Trichloropropane	10.87	110	1874	2.10	ppb	#	77
84)	t-1,4-Dichloro-2-Butene	10.90	53	1005	2.32	ppb		98
85)	Bromobenzene	10.81	156	7210	2.17	ppb		90
86)	n-Propylbenzene	10.94	91	19095	1.96	ppb		99
87)	4-Ethyltoluene	11.06	105	18983	2.08	ppb		92
88)	2-Chlorotoluene	11.02	91	16161	2.13	ppb		90
89)	1,3,5-Trimethylbenzene	11.12	105	15423	1.85	ppb		93
90)	4-Chlorotoluene	11.13	91	16663	2.18	ppb		98
91)	Tert-Butylbenzene	11.44	119	8790	1.86	ppb		92
92)	1,2,4-Trimethylbenzene	11.49	105	16313	2.15	ppb		86
93)	Sec-Butylbenzene	11.66	105	18809	2.14	ppb		99
94)	p-Isopropyltoluene	11.81	119	16115	2.08	ppb		90
95)	Benzyl Chloride	12.00	91	4701	2.12	ppb		96
96)	1,3-DCB	11.75	146	10728	1.97	ppb	#	93
97)	1,4-DCB	11.84	146	10390	1.48	ppb	#	80
98)	n-Butylbenzene	12.22	91	8810	2.32	ppb		94
99)	1,2-DCB	12.21	146	11528	2.15	ppb		96
100)	Hexachloroethane	12.45	117	3280	2.14	ppb		90
101)	1,2-Dibromo-3-chloropropan	13.00	75	716	2.35	ppb	#	72
102)	1,2,4-Trichlorobenzene	13.81	180	2131	2.97	ppb	#	84
103)	Hexachlorobutadiene	13.99	225	3819	2.33	ppb		82
104)	Naphthalene	14.05	128	4009	1.77	ppb	#	88
105)	1,2,3-Trichlorobenzene	14.29	180	2322	3.64	ppb		94

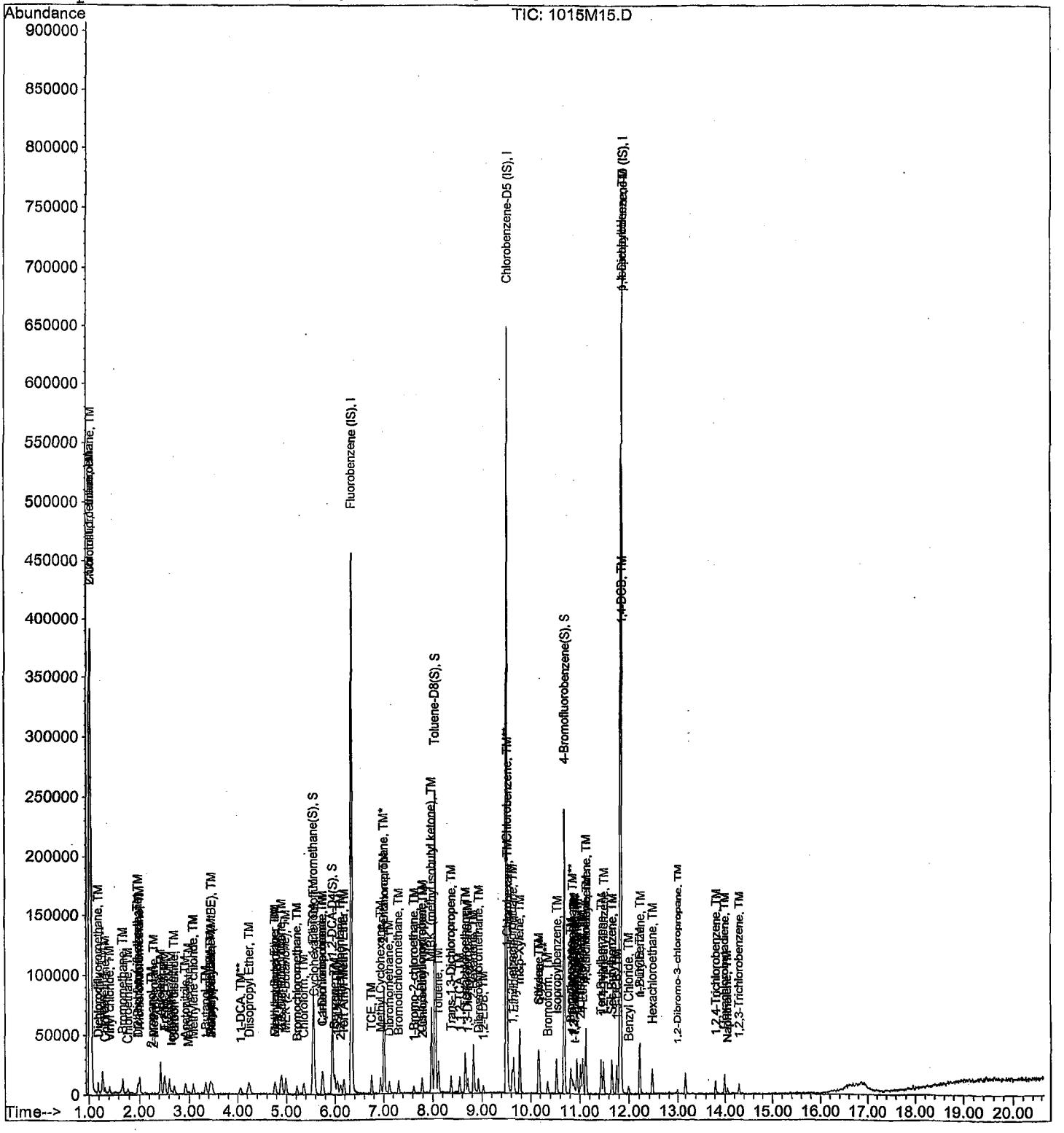
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\MAX\DATA\211015\1015M15.D Vial: 5
Acq On : 15 Oct 21 16:38 Operator: LP,DG,CH
Sample : 2ug/L VOC STD 10/15/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 16 13:29 2021 Quant Results File: M1015W.RES

Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 14:01:48 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211015\1015M16.D Vial: 6
Acq On : 15 Oct 21 17:06 Operator: LP,DG,CH
Sample : 5ug/L VOC STD 10/15/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 16 13:29 2021 Quant Results File: M1015W.RES

Quant Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 13:28:38 2021
Response via : Initial Calibration
DataAcq Meth : M8260

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene (IS)	6.34	96	387411	25.00	ppb		0.00
65) Chlorobenzene-D5 (IS)	9.50	117	344894	25.00	ppb		0.00
80) 1,4-Dichlorobenzene-D (IS)	11.82	152	232454	25.00	ppb		0.00
System Monitoring Compounds							
41) Dibromofluoromethane(S)	5.56	111	118038	25.21	ppb		0.00
Spiked Amount 25.000			Recovery = 100.844%				
46) 1,2-DCA-D4(S)	5.95	65	84056	26.42	ppb		0.00
Spiked Amount 25.000			Recovery = 105.700%				
66) Toluene-D8(S)	8.05	98	389321	24.94	ppb		0.00
Spiked Amount 25.000			Recovery = 99.748%				
74) 4-Bromofluorobenzene(S)	10.68	95	156913	23.35	ppb		0.00
Spiked Amount 25.000			Recovery = 93.416%				
Target Compounds							Qvalue
2) Chlorotrifluoroethene	1.02	116	1951	12.84	ppb		92
3) Dichlorodifluoromethane	1.18	85	13541	6.89	ppb		91
4) Freon 114	1.29	85	6948	4.20	ppb		87
5) Chloromethane	1.33	50	7282	5.89	ppb	#	83
6) Vinyl chloride	1.42	62	8698	6.04	ppb		97
7) 2-Chloro-1,1,1-trifluoroet	1.01	118	2807	66.49	ppb	#	56
8) Bromomethane	1.68	94	7347	7.13	ppb		89
9) Chloroethane	1.77	64	5473	5.54	ppb		90
10) Dichlorofluoromethane	1.97	67	17069	5.20	ppb		93
11) Trichlorofluoromethane	2.00	101	23038	6.23	ppb		98
13) Acrolein	2.43	56	21061	57.91	ppb		97
14) Acetone	2.61	43	19225	43.50	ppb		100
15) Freon-113	2.53	151	8907	5.20	ppb		89
16) Acetonitrile	2.92	41	11772	95.23	ppb		97
17) 2-propanol	2.26	45	534	29.16	ppb	#	83
18) 1,2-Dichlorotrifluoroethan	1.97	67	17069	5.20	ppb		100
19) 1,1-DCE	2.51	61	13232	5.88	ppb		96
20) t-Butanol	3.34	59	16999	106.77	ppb		95
21) Methyl Acetate	2.99	43	3806	4.78	ppb		89
22) Iodomethane	2.66	142	7587	5.42	ppb		98
23) Acrylonitrile	3.43	53	2612	5.94	ppb		91
25) Methylene chloride	3.08	84	8233	5.04	ppb		88
26) Carbon disulfide	2.72	76	10258	4.71	ppb		98
27) Methyl t-butyl ether (MtBE	3.47	73	28794	5.49	ppb		96
28) Trans-1,2-DCE	3.43	96	9294	5.40	ppb		89
29) 3-Methylpentane	3.46	57	5115	5.47	ppb		91
30) Hexane	3.72	56	213	10.02	ppb	#	100

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

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211015\1015M16.D Vial: 6
Acq On : 15 Oct 21 17:06 Operator: LP,DG,CH
Sample : 5ug/L VOC STD 10/15/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 16 13:29 2021 Quant Results File: M1015W.RES

Quant Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 13:28:38 2021
Response via : Initial Calibration
DataAcq Meth : M8260

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
31)	Diisopropyl Ether	4.25	45	19726	5.43	ppb		92
32)	1,1-DCA	4.05	63	14219	5.28	ppb	#	85
33)	Vinyl Acetate	4.16	43	159	0.12	ppb	#	77
34)	Ethyl tert Butyl Ether	4.77	59	24023	5.05	ppb		89
35)	Methylcyclopentane	4.77	56	1134	5.67	ppb		100
36)	MEK (2-Butanone)	4.99	43	20148	39.03	ppb		88
37)	Cis-1,2-DCE	4.91	96	10198	5.44	ppb		96
38)	2,2-Dichloropropane	4.89	77	17894	5.13	ppb		98
39)	Chloroform	5.37	83	19904	5.41	ppb		99
40)	Bromochloromethane	5.22	130	8478	5.52	ppb	#	83
42)	1,1,1-TCA	5.54	97	22632	5.88	ppb		93
43)	Cyclohexane	5.58	41	6390	5.53	ppb		76
44)	1,1-Dichloropropene	5.75	75	12969	5.98	ppb		85
45)	2,2,4-Trimethylpentane	6.11	57	14248	4.15	ppb		87
47)	Carbon Tetrachloride	5.73	117	21221	6.09	ppb		90
48)	Tert Amyl Methyl Ether	6.18	73	23576	5.01	ppb		98
49)	1,2-DCA	6.04	62	18340	5.49	ppb		98
50)	Benzene	5.99	78	33663	5.51	ppb		98
51)	TCE	6.75	95	9650	4.55	ppb	#	77
52)	2-Pentanone	7.01	43	86889	101.33	ppb		97
53)	1,2-Dichloropropane	7.00	63	3245	4.78	ppb	#	92
54)	Bromodichloromethane	7.31	83	17085	5.99	ppb		90
55)	Methyl Cyclohexane	6.94	83	11773	4.68	ppb		91
56)	Dibromomethane	7.12	93	6546	5.99	ppb		88
57)	MIBK (methyl isobutyl ket	7.98	43	43474	37.27	ppb		98
58)	1-Bromo-2-chloroethane	7.62	144	2479	6.12	ppb		78
59)	2-Chloroethyl vinyl ether	7.61	43	20	16.23	ppb	#	100
60)	Cis-1,3-Dichloropropene	7.79	75	14773	5.52	ppb		90
61)	Toluene	8.12	91	39874	5.31	ppb		96
62)	Trans-1,3-Dichloropropene	8.37	75	14624	5.33	ppb		99
63)	1,1,2-TCA	8.55	83	5668	4.81	ppb		89
64)	2-Hexanone	8.83	43	28901	34.73	ppb	#	97
67)	1,2-EDB	9.03	107	9212	5.97	ppb		93
68)	Tetrachloroethene	8.66	164	9368	6.20	ppb		96
69)	1-Chlorohexane	9.53	91	7028	5.15	ppb		83
70)	1,1,1,2-Tetrachloroethane	9.62	131	14631	5.77	ppb		92
71)	m&p-Xylene	9.77	106	40521	10.70	ppb		97
72)	o-Xylene	10.16	106	19748	5.15	ppb		89
73)	Styrene	10.18	104	31878	5.09	ppb		98
75)	1,3-Dichloropropane	8.71	76	13752	5.80	ppb		98
76)	Dibromochloromethane	8.93	129	13298	5.58	ppb		89
77)	Chlorobenzene	9.53	112	30958	5.33	ppb		96

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

Data File : M:\MAX\DATA\211015\1015M16.D
Acq On : 15 Oct 21 17:06
Sample : 5ug/L VOC STD 10/15/21
Misc : IS&S 8/4/21

Vial: 6
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Oct 16 13:29 2021 Quant Results File: M1015W.RES

Quant Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 13:28:38 2021
Response via : Initial Calibration
DataAcq Meth : M8260

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
78)	Ethylbenzene	9.65	91	49016	5.60	ppb		98
79)	Bromoform	10.35	173	10773	5.43	ppb		98
81)	Isopropylbenzene	10.53	105	53902	5.30	ppb		98
82)	1,1,2,2-Tetrachloroethane	10.84	83	8866	5.20	ppb	#	85
83)	1,2,3-Trichloropropane	10.88	110	4864	5.78	ppb	#	73
84)	t-1,4-Dichloro-2-Butene	10.91	53	2090	4.29	ppb		84
85)	Bromobenzene	10.81	156	17611	5.08	ppb		88
86)	n-Propylbenzene	10.94	91	52829	5.19	ppb		95
87)	4-Ethyltoluene	11.06	105	48078	5.06	ppb		92
88)	2-Chlorotoluene	11.01	91	41952	5.29	ppb		89
89)	1,3,5-Trimethylbenzene	11.12	105	46678	5.36	ppb		97
90)	4-Chlorotoluene	11.13	91	41644	5.22	ppb		99
91)	Tert-Butylbenzene	11.44	119	26648	5.40	ppb		93
92)	1,2,4-Trimethylbenzene	11.49	105	45050	5.34	ppb		99
93)	Sec-Butylbenzene	11.66	105	49880	5.44	ppb		98
94)	p-Isopropyltoluene	11.81	119	48782	5.36	ppb		99
95)	Benzyl Chloride	11.99	91	10073	4.36	ppb	#	96
96)	1,3-DCB	11.75	146	31609	5.56	ppb		95
97)	1,4-DCB	11.85	146	29696	4.96	ppb		95
98)	n-Butylbenzene	12.22	91	26294	4.95	ppb		97
99)	1,2-DCB	12.21	146	30601	5.46	ppb		87
100)	Hexachloroethane	12.46	117	7449	4.82	ppb		86
101)	1,2-Dibromo-3-chloropropan	12.99	75	2238	5.40	ppb		84
102)	1,2,4-Trichlorobenzene	13.81	180	7399	4.97	ppb		85
103)	Hexachlorobutadiene	13.99	225	10435	4.84	ppb		92
104)	Naphthalene	14.06	128	14154	4.85	ppb		95
105)	1,2,3-Trichlorobenzene	14.29	180	9443	5.76	ppb		82

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

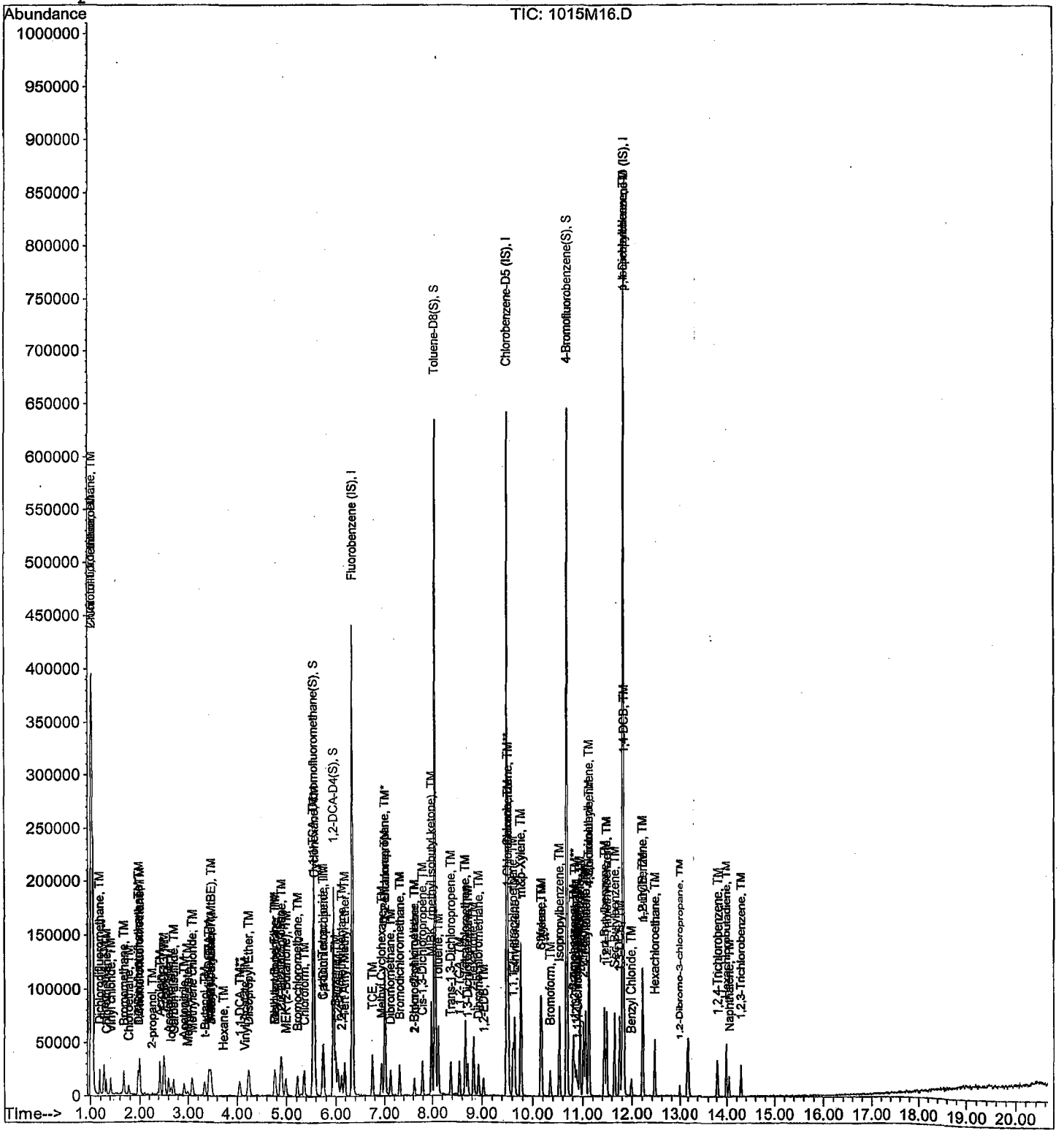
Quantitation Report

Data File : M:\MAX\DATA\211015\1015M16.D
Acq On : 15 Oct 21 17:06
Sample : 5ug/L VOC STD 10/15/21
Misc : IS&S 8/4/21

Vial: 6
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Oct 16 13:29 2021
Quant Results File: M1015W.RES

Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 14:01:48 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211015\1015M17.D Vial: 7
Acq On : 15 Oct 21 17:35 Operator: LP,DG,CH
Sample : 10ug/L VOC STD 10/15/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 16 13:29 2021 Quant Results File: M1015W.RES

Quant Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 13:28:38 2021
Response via : Initial Calibration
DataAcq Meth : M8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.34	96	377347	25.00	ppb	0.00
65) Chlorobenzene-D5 (IS)	9.50	117	347072	25.00	ppb	0.00
80) 1,4-Dichlorobenzene-D (IS)	11.82	152	236441	25.00	ppb	0.00
System Monitoring Compounds						
41) Dibromofluoromethane(S)	5.56	111	118319	25.95	ppb	0.00
Spiked Amount 25.000			Recovery =	103.780%		
46) 1,2-DCA-D4(S)	5.95	65	79312	25.60	ppb	0.00
Spiked Amount 25.000			Recovery =	102.392%		
66) Toluene-D8(S)	8.05	98	392721	25.00	ppb	0.00
Spiked Amount 25.000			Recovery =	99.988%		
74) 4-Bromofluorobenzene(S)	10.68	95	160324	23.71	ppb	0.00
Spiked Amount 25.000			Recovery =	94.848%		
Target Compounds						Qvalue
2) Chlorotrifluoroethene	1.01	116	1480	10.00	ppb	100
3) Dichlorodifluoromethane	1.19	85	19568	10.22	ppb	100
4) Freon 114	1.29	85	10651	6.61	ppb	100
5) Chloromethane	1.33	50	13364	11.30	ppb	100
6) Vinyl chloride	1.42	62	16573	11.82	ppb	100
7) 2-Chloro-1,1,1-trifluoroet	1.01	118	2056	50.00	ppb	100
8) Bromomethane	1.68	94	12882	13.34	ppb	100
9) Chloroethane	1.77	64	11250	11.78	ppb	100
10) Dichlorofluoromethane	1.97	67	36430	11.39	ppb	100
11) Trichlorofluoromethane	2.00	101	43493	12.08	ppb	100
12) 2,2-Dichloro-1,1,1-trifluo	2.29	85	23	20.00	ppb	100
13) Acrolein	2.43	56	26701	75.38	ppb	100
14) Acetone	2.61	43	24111	56.01	ppb	100
15) Freon-113	2.53	151	16125	9.66	ppb	100
16) Acetonitrile	2.92	41	13763	114.30	ppb	100
17) 2-propanol	2.26	45	892	50.00	ppb	100
18) 1,2-Dichlorotrifluoroethan	1.97	67	36430	11.39	ppb	100
19) 1,1-DCE	2.51	61	25329	11.55	ppb	100
20) t-Butanol	3.34	59	19181	118.01	ppb	100
21) Methyl Acetate	3.00	43	8263	10.66	ppb	100
22) Iodomethane	2.66	142	17486	11.16	ppb	100
23) Acrylonitrile	3.43	53	4844	11.24	ppb	100
24) 2-Methylpentane	2.16	71	23	10.00	ppb	100
25) Methylene chloride	3.08	84	17432	10.96	ppb	100
26) Carbon disulfide	2.71	76	20960	9.87	ppb	100
27) Methyl t-butyl ether (MtBE	3.47	73	57116	11.18	ppb	100
28) Trans-1,2-DCE	3.43	96	17741	11.38	ppb	100

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

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211015\1015M17.D Vial: 7
Acq On : 15 Oct 21 17:35 Operator: LP,DG,CH
Sample : 10ug/L VOC STD 10/15/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 16 13:29 2021 Quant Results File: M1015W.RES

Quant Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 13:28:38 2021
Response via : Initial Calibration
DataAcq Meth : M8260

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
29)	3-Methylpentane	3.46	57	10024	11.67	ppb		100
30)	Hexane	3.72	56	414	20.00	ppb		100
31)	Diisopropyl Ether	4.24	45	37208	10.51	ppb		100
32)	1,1-DCA	4.05	63	28067	10.71	ppb		100
34)	Ethyl tert Butyl Ether	4.77	59	46096	9.95	ppb		100
35)	Methylcyclopentane	4.77	56	1948	10.00	ppb		100
36)	MEK (2-Butanone)	4.99	43	26957	53.62	ppb		100
37)	Cis-1,2-DCE	4.91	96	20531	11.24	ppb		100
38)	2,2-Dichloropropane	4.89	77	37047	10.91	ppb		100
39)	Chloroform	5.36	83	41151	11.48	ppb		100
40)	Bromochloromethane	5.22	130	15934	11.39	ppb		100
42)	1,1,1-TCA	5.55	97	43737	11.67	ppb		100
43)	Cyclohexane	5.58	41	10585	9.41	ppb		100
44)	1,1-Dichloropropene	5.75	75	23149	10.97	ppb		100
45)	2,2,4-Trimethylpentane	6.12	57	25327	7.58	ppb		100
47)	Carbon Tetrachloride	5.73	117	40318	11.88	ppb		100
48)	Tert Amyl Methyl Ether	6.18	73	47074	10.27	ppb		100
49)	1,2-DCA	6.04	62	36487	11.21	ppb		100
50)	Benzene	5.99	78	67135	11.28	ppb		100
51)	TCE	6.75	95	21853	11.75	ppb		100
52)	2-Pentanone	7.01	43	108759	130.21	ppb		100
53)	1,2-Dichloropropane	7.00	63	7561	11.89	ppb		100
54)	Bromodichloromethane	7.31	83	30571	11.00	ppb		100
55)	Methyl Cyclohexane	6.94	83	20502	8.86	ppb		100
56)	Dibromomethane	7.12	93	12823	12.05	ppb		100
57)	MIBK (methyl isobutyl ket	7.98	43	56842	50.03	ppb		100
58)	1-Bromo-2-chloroethane	7.62	144	4063	10.30	ppb		100
59)	2-Chloroethyl vinyl ether	7.67	43	72	60.00	ppb	#	100
60)	Cis-1,3-Dichloropropene	7.79	75	27754	10.65	ppb		100
61)	Toluene	8.12	91	82436	11.27	ppb		100
62)	Trans-1,3-Dichloropropene	8.37	75	28083	10.50	ppb		100
63)	1,1,2-TCA	8.55	83	12220	10.64	ppb		100
64)	2-Hexanone	8.83	43	39749	49.04	ppb		100
67)	1,2-EDB	9.03	107	17939	11.55	ppb		100
68)	Tetrachloroethene	8.66	164	16284	10.70	ppb		100
69)	1-Chlorohexane	9.53	91	12452	9.07	ppb		100
70)	1,1,1,2-Tetrachloroethane	9.62	131	28021	10.98	ppb		100
71)	m&p-Xylene	9.77	106	82514	21.66	ppb		100
72)	o-Xylene	10.16	106	40678	10.54	ppb		100
73)	Styrene	10.18	104	66045	10.48	ppb		100
75)	1,3-Dichloropropane	8.71	76	26720	11.19	ppb		100
76)	Dibromochloromethane	8.93	129	26700	11.13	ppb		100

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

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211015\1015M17.D Vial: 7
Acq On : 15 Oct 21 17:35 Operator: LP,DG,CH
Sample : 10ug/L VOC STD 10/15/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 16 13:29 2021 Quant Results File: M1015W.RES

Quant Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 13:28:38 2021
Response via : Initial Calibration
DataAcq Meth : M8260

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
77)	Chlorobenzene	9.53	112	61648	10.55 ppb	100
78)	Ethylbenzene	9.65	91	94727	10.75 ppb	100
79)	Bromoform	10.35	173	22290	11.17 ppb	100
81)	Isopropylbenzene	10.53	105	106456	10.30 ppb	100
82)	1,1,2,2-Tetrachloroethane	10.84	83	18342	10.58 ppb	100
83)	1,2,3-Trichloropropane	10.87	110	9043	10.87 ppb	100
84)	t-1,4-Dichloro-2-Butene	10.90	53	4578	8.87 ppb	100
85)	Bromobenzene	10.81	156	34140	9.67 ppb	100
86)	n-Propylbenzene	10.94	91	111438	10.76 ppb	100
87)	4-Ethyltoluene	11.06	105	102117	10.56 ppb	100
88)	2-Chlorotoluene	11.01	91	87062	10.80 ppb	100
89)	1,3,5-Trimethylbenzene	11.12	105	98343	11.10 ppb	100
90)	4-Chlorotoluene	11.13	91	85815	10.58 ppb	100
91)	Tert-Butylbenzene	11.44	119	53976	10.76 ppb	100
92)	1,2,4-Trimethylbenzene	11.49	105	92332	10.53 ppb	100
93)	Sec-Butylbenzene	11.66	105	104508	11.21 ppb	100
94)	p-Isopropyltoluene	11.81	119	100003	10.46 ppb	100
95)	Benzyl Chloride	11.99	91	20556	8.75 ppb	100
96)	1,3-DCB	11.75	146	62186	10.76 ppb	100
97)	1,4-DCB	11.84	146	61854	10.71 ppb	100
98)	n-Butylbenzene	12.22	91	56499	9.46 ppb	100
99)	1,2-DCB	12.21	146	61844	10.85 ppb	100
100)	Hexachloroethane	12.46	117	14896	9.62 ppb	100
101)	1,2-Dibromo-3-chloropropan	12.99	75	5285	11.44 ppb	100
102)	1,2,4-Trichlorobenzene	13.81	180	18752	9.24 ppb	100
103)	Hexachlorobutadiene	13.99	225	23952	9.95 ppb	100
104)	Naphthalene	14.05	128	39199	11.87 ppb	100
105)	1,2,3-Trichlorobenzene	14.30	180	23602	9.93 ppb	100

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

Quantitation Report

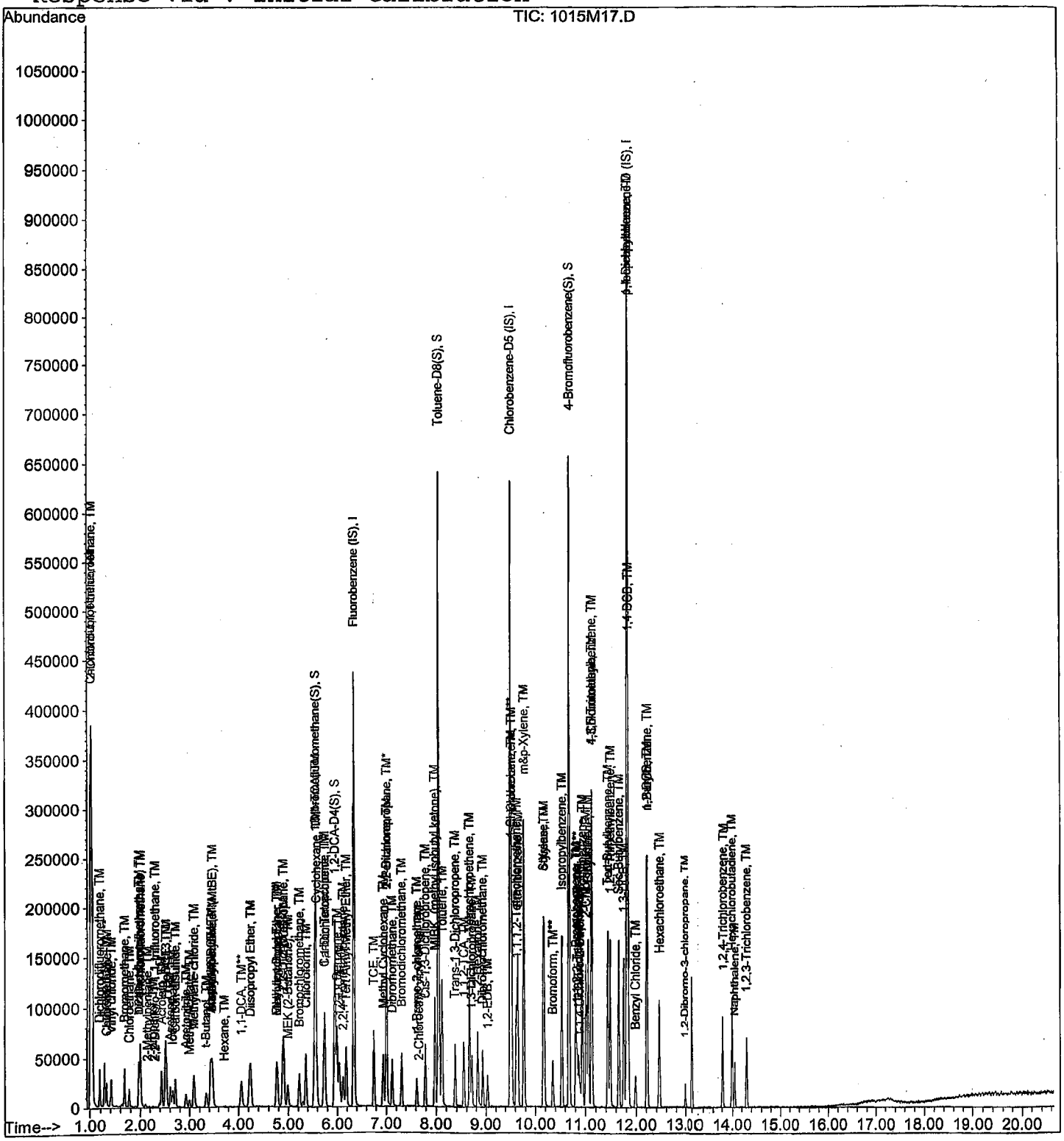
Data File : M:\MAX\DATA\211015\1015M17.D
Acq On : 15 Oct 21 17:35
Sample : 10ug/L VOC STD 10/15/21
Misc : IS&S 8/4/21

Vial: 7
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Oct 16 13:29 2021

Quant Results File: M1015W.RES

Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 14:01:48 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211015\1015M18.D Vial: 8
Acq On : 15 Oct 21 18:03 Operator: LP,DG,CH
Sample : 20ug/L VOC STD 10/15/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 16 13:29 2021 Quant Results File: M1015W.RES

Quant Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 13:28:38 2021
Response via : Initial Calibration
DataAcq Meth : M8260

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene (IS)	6.34	96	395871	25.00	ppb		0.00
65) Chlorobenzene-D5 (IS)	9.50	117	351611	25.00	ppb		0.00
80) 1,4-Dichlorobenzene-D (IS)	11.82	152	235162	25.00	ppb		0.00
System Monitoring Compounds							
41) Dibromofluoromethane(S)	5.56	111	236514	49.44	ppb		0.00
Spiked Amount 25.000			Recovery = 197.748%				
46) 1,2-DCA-D4(S)	5.95	65	166400	51.19	ppb		0.00
Spiked Amount 25.000			Recovery = 204.772%				
66) Toluene-D8(S)	8.05	98	780890	49.06	ppb		0.00
Spiked Amount 25.000			Recovery = 196.252%				
74) 4-Bromofluorobenzene(S)	10.68	95	327466	47.81	ppb		0.00
Spiked Amount 25.000			Recovery = 191.232%				
Target Compounds							Qvalue
2) Chlorotrifluoroethene	1.03	116	1543	9.94	ppb	#	60
3) Dichlorodifluoromethane	1.18	85	43432	21.62	ppb		97
4) Freon 114	1.29	85	29061	17.19	ppb		81
5) Chloromethane	1.33	50	25172	20.46	ppb		98
6) Vinyl chloride	1.42	62	33428	22.72	ppb		95
7) 2-Chloro-1,1,1-trifluoroet	1.00	118	1142	26.47	ppb	#	37
8) Bromomethane	1.68	94	25141	25.37	ppb		95
9) Chloroethane	1.77	64	20310	20.33	ppb		99
10) Dichlorofluoromethane	1.97	67	69254	20.65	ppb		99
11) Trichlorofluoromethane	2.00	101	90422	23.94	ppb		91
12) 2,2-Dichloro-1,1,1-trifluo	2.27	85	19	15.75	ppb		100
13) Acrolein	2.44	56	32051	86.25	ppb		99
14) Acetone	2.61	43	29127	64.50	ppb		99
15) Freon-113	2.53	151	37209	21.25	ppb		94
16) Acetonitrile	2.93	41	18046	142.86	ppb		93
17) 2-propanol	2.26	45	2021	107.98	ppb	#	81
18) 1,2-Dichlorotrifluoroethan	1.97	67	69254	20.64	ppb		100
19) 1,1-DCE	2.51	61	53746	23.36	ppb		97
20) t-Butanol	3.34	59	23282	129.99	ppb		92
21) Methyl Acetate	2.99	43	16974	20.87	ppb		100
22) Iodomethane	2.66	142	35780	20.61	ppb		93
23) Acrylonitrile	3.43	53	10005	22.05	ppb	#	84
24) 2-Methylpentane	2.10	71	44	18.24	ppb	#	100
25) Methylene chloride	3.08	84	34285	20.55	ppb		94
26) Carbon disulfide	2.71	76	44096	19.79	ppb		97
27) Methyl t-butyl ether (MtBE	3.47	73	114470	21.36	ppb		100
28) Trans-1,2-DCE	3.43	96	38698	24.57	ppb		94

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

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211015\1015M18.D
Acq On : 15 Oct 21 18:03
Sample : 20ug/L VOC STD 10/15/21
Misc : IS&S 8/4/21

Vial: 8
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Oct 16 13:29 2021 Quant Results File: M1015W.RES

Quant Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 13:28:38 2021
Response via : Initial Calibration
DataAcq Meth : M8260

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
29)	3-Methylpentane	3.47	57	21607	24.67	ppb		96
30)	Hexane	3.73	56	771	35.50	ppb		100
31)	Diisopropyl Ether	4.24	45	74704	20.11	ppb		96
32)	1,1-DCA	4.06	63	59120	21.50	ppb		98
34)	Ethyl tert Butyl Ether	4.77	59	95539	19.66	ppb		95
35)	Methylcyclopentane	4.77	56	3929	19.23	ppb	#	100
36)	MEK (2-Butanone)	4.99	43	30811	58.42	ppb	#	91
37)	Cis-1,2-DCE	4.91	96	40102	20.93	ppb		94
38)	2,2-Dichloropropane	4.89	77	73086	20.52	ppb		99
39)	Chloroform	5.36	83	81653	21.71	ppb		100
40)	Bromochloromethane	5.22	130	33221	23.42	ppb		93
42)	1,1,1-TCA	5.54	97	93844	23.87	ppb		95
43)	Cyclohexane	5.58	41	24494	20.75	ppb		85
44)	1,1-Dichloropropene	5.75	75	49132	22.19	ppb		93
45)	2,2,4-Trimethylpentane	6.12	57	57952	16.53	ppb	#	81
47)	Carbon Tetrachloride	5.73	117	81738	22.96	ppb		94
48)	Tert Amyl Methyl Ether	6.18	73	93531	19.46	ppb		97
49)	1,2-DCA	6.04	62	73123	21.42	ppb		97
50)	Benzene	5.99	78	134429	21.52	ppb		95
51)	TCE	6.75	95	41884	22.20	ppb		85
52)	2-Pentanone	7.01	43	131778	150.39	ppb		97
53)	1,2-Dichloropropane	7.00	63	15331	23.28	ppb		99
54)	Bromodichloromethane	7.31	83	63530	21.79	ppb		94
55)	Methyl Cyclohexane	6.94	83	47883	20.50	ppb		99
56)	Dibromomethane	7.12	93	24263	21.72	ppb		99
57)	MIBK (methyl isobutyl ket	7.98	43	66896	56.12	ppb		96
58)	1-Bromo-2-chloroethane	7.62	144	8668	20.95	ppb		82
59)	2-Chloroethyl vinyl ether	7.64	43	135	107.24	ppb	#	100
60)	Cis-1,3-Dichloropropene	7.79	75	58299	21.33	ppb		92
61)	Toluene	8.12	91	158484	20.66	ppb		98
62)	Trans-1,3-Dichloropropene	8.37	75	58054	20.70	ppb		99
63)	1,1,2-TCA	8.55	83	23159	19.22	ppb		98
64)	2-Hexanone	8.83	43	48162	56.64	ppb		96
67)	1,2-EDB	9.03	107	37727	23.98	ppb		91
68)	Tetrachloroethene	8.66	164	37992	24.65	ppb	#	77
69)	1-Chlorohexane	9.53	91	27928	20.08	ppb		92
70)	1,1,1,2-Tetrachloroethane	9.62	131	54825	21.21	ppb		97
71)	m&p-Xylene	9.77	106	168462	43.65	ppb		94
72)	o-Xylene	10.16	106	80768	20.66	ppb		96
73)	Styrene	10.18	104	132105	20.70	ppb		100
75)	1,3-Dichloropropane	8.71	76	51570	21.33	ppb	#	81
76)	Dibromochloromethane	8.93	129	55342	22.78	ppb		97

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

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211015\1015M18.D Vial: 8
Acq On : 15 Oct 21 18:03 Operator: LP,DG,CH
Sample : 20ug/L VOC STD 10/15/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 16 13:29 2021 Quant Results File: M1015W.RES

Quant Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 13:28:38 2021
Response via : Initial Calibration
DataAcq Meth : M8260

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
77)	Chlorobenzene	9.53	112	123674	20.90	ppb		95
78)	Ethylbenzene	9.65	91	190505	21.35	ppb		99
79)	Bromoform	10.35	173	46086	22.80	ppb		91
81)	Isopropylbenzene	10.53	105	215921	21.00	ppb		96
82)	1,1,2,2-Tetrachloroethane	10.84	83	34580	20.06	ppb		93
83)	1,2,3-Trichloropropane	10.88	110	18655	22.95	ppb		93
84)	t-1,4-Dichloro-2-Butene	10.90	53	9193	17.59	ppb		76
85)	Bromobenzene	10.81	156	72807	20.74	ppb		87
86)	n-Propylbenzene	10.94	91	218212	21.18	ppb		98
87)	4-Ethyltoluene	11.06	105	204272	21.24	ppb		94
88)	2-Chlorotoluene	11.01	91	166317	20.74	ppb		92
89)	1,3,5-Trimethylbenzene	11.12	105	188460	21.39	ppb		96
90)	4-Chlorotoluene	11.13	91	169578	21.02	ppb		99
91)	Tert-Butylbenzene	11.44	119	113528	22.75	ppb		98
92)	1,2,4-Trimethylbenzene	11.49	105	194704	22.09	ppb		97
93)	Sec-Butylbenzene	11.66	105	210964	22.75	ppb		99
94)	p-Isopropyltoluene	11.81	119	210376	21.74	ppb		98
95)	Benzyl Chloride	11.99	91	42029	17.98	ppb		97
96)	1,3-DCB	11.75	146	126212	21.95	ppb		98
97)	1,4-DCB	11.84	146	125705	22.43	ppb		96
98)	n-Butylbenzene	12.22	91	128982	20.53	ppb		95
99)	1,2-DCB	12.21	146	124816	22.02	ppb		98
100)	Hexachloroethane	12.46	117	30628	20.04	ppb		94
101)	1,2-Dibromo-3-chloropropan	12.99	75	10893	22.83	ppb	#	81
102)	1,2,4-Trichlorobenzene	13.81	180	49784	21.15	ppb		88
103)	Hexachlorobutadiene	13.99	225	53060	21.20	ppb		97
104)	Naphthalene	14.05	128	96821	26.22	ppb		99
105)	1,2,3-Trichlorobenzene	14.30	180	62906	21.74	ppb		86

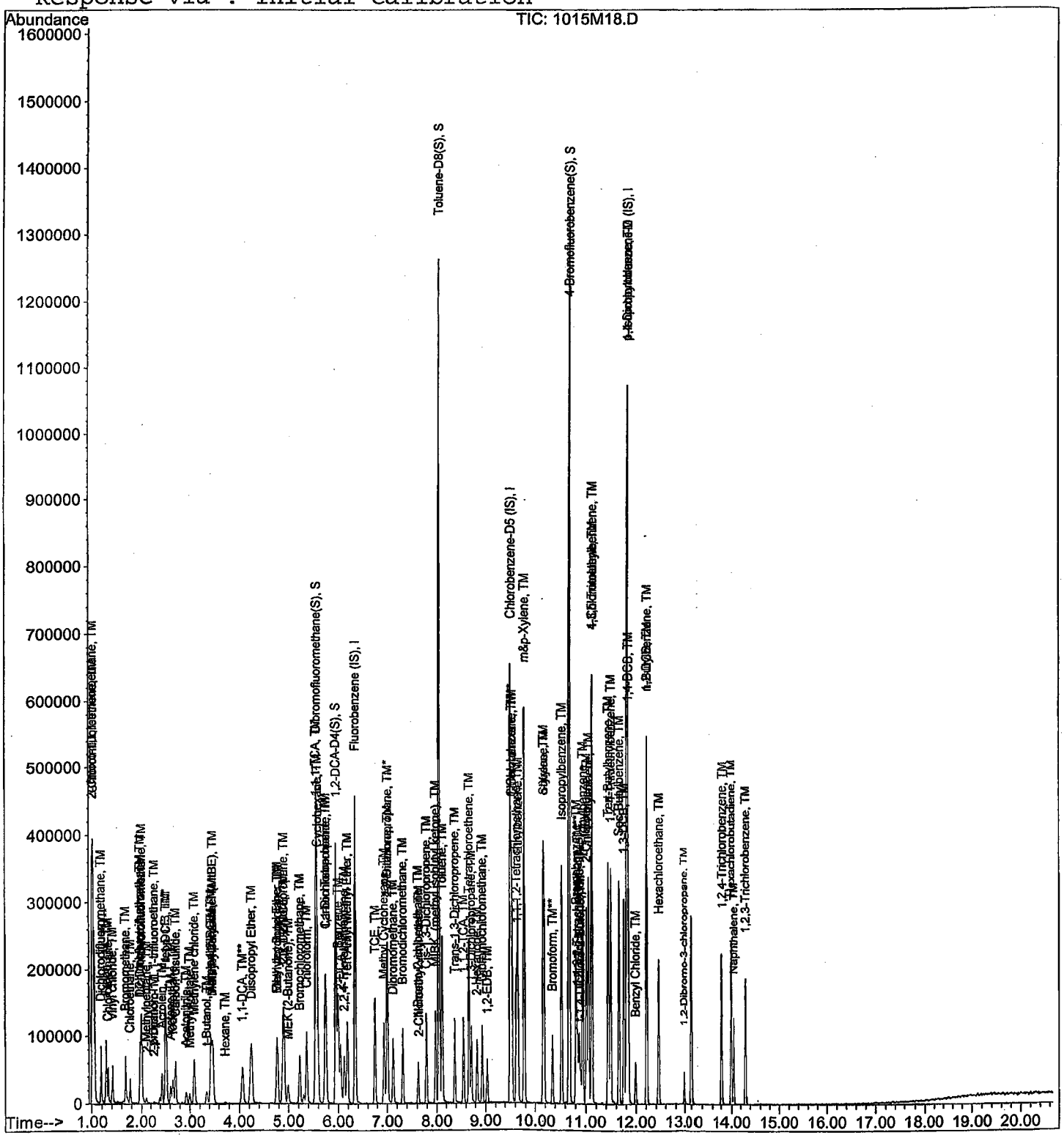
(#) = qualifier out of range (m) = manual integration

Data File : M:\MAX\DATA\211015\1015M18.D
Acq On : 15 Oct 21 18:03
Sample : 20ug/L VOC STD 10/15/21
Misc : IS&S 8/4/21

Vial: 8
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Oct 16 13:29 2021 Quant Results File: M1015W.RES

Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 14:01:48 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211015\1015M19.D Vial: 9
Acq On : 15 Oct 21 18:31 Operator: LP,DG,CH
Sample : 40ug/L VOC STD 10/15/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 16 13:29 2021 Quant Results File: M1015W.RES

Quant Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 13:28:38 2021
Response via : Initial Calibration
DataAcq Meth : M8260

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene (IS)	6.34	96	394795	25.00	ppb		0.00
65) Chlorobenzene-D5 (IS)	9.50	117	356570	25.00	ppb		0.00
80) 1,4-Dichlorobenzene-D (IS)	11.82	152	246902	25.00	ppb		0.00
System Monitoring Compounds							
41) Dibromofluoromethane(S)	5.56	111	238087	49.90	ppb		0.00
Spiked Amount 25.000			Recovery =	199.604%			
46) 1,2-DCA-D4(S)	5.95	65	166336	51.31	ppb		0.00
Spiked Amount 25.000			Recovery =	205.252%			
66) Toluene-D8(S)	8.05	98	788816	48.87	ppb		0.00
Spiked Amount 25.000			Recovery =	195.484%			
74) 4-Bromofluorobenzene(S)	10.68	95	335059	48.24	ppb		0.00
Spiked Amount 25.000			Recovery =	192.944%			
Target Compounds							Qvalue
2) Chlorotrifluoroethene	1.01	116	1951	12.60	ppb	#	73
3) Dichlorodifluoromethane	1.18	85	95360	47.61	ppb		100
4) Freon 114	1.29	85	57360	34.02	ppb		83
5) Chloromethane	1.33	50	56542	46.36	ppb		94
6) Vinyl chloride	1.42	62	70630	48.13	ppb		92
7) 2-Chloro-1,1,1-trifluoroet	1.01	118	1922	44.68	ppb	#	51
8) Bromomethane	1.68	94	51410	52.69	ppb		91
9) Chloroethane	1.77	64	42072	42.31	ppb		97
10) Dichlorofluoromethane	1.97	67	141160	42.20	ppb		99
11) Trichlorofluoromethane	2.00	101	187948	49.90	ppb		98
12) 2,2-Dichloro-1,1,1-trifluo	2.18	85	25	20.78	ppb		100
13) Acrolein	2.43	56	40051	108.07	ppb		88
14) Acetone	2.62	43	39041	86.69	ppb		98
15) Freon-113	2.52	151	70973	40.64	ppb		97
16) Acetonitrile	2.93	41	22065	175.15	ppb		88
17) 2-propanol	2.27	45	3181	170.43	ppb	#	81
18) 1,2-Dichlorotrifluoroethan	1.97	67	141160	42.19	ppb		100
19) 1,1-DCE	2.50	61	104417	45.50	ppb		96
20) t-Butanol	3.35	59	36678	173.72	ppb		96
21) Methyl Acetate	2.99	43	34963	43.11	ppb		95
22) Iodomethane	2.66	142	81874	45.72	ppb		95
23) Acrylonitrile	3.43	53	19528	43.06	ppb	#	80
24) 2-Methylpentane	2.10	71	116	48.21	ppb	#	100
25) Methylene chloride	3.08	84	68587	41.23	ppb		97
26) Carbon disulfide	2.71	76	86056	38.73	ppb		99
27) Methyl t-butyl ether (MtBE	3.47	73	239816	44.88	ppb		94
28) Trans-1,2-DCE	3.43	96	72205	46.70	ppb		95

(#) = qualifier out of range (m) = manual integration
1015M19.D M1015W.M Wed Oct 20 12:06:43 2021 Page 1

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211015\1015M19.D
Acq On : 15 Oct 21 18:31
Sample : 40ug/L VOC STD 10/15/21
Misc : IS&S 8/4/21

Vial: 9
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Oct 16 13:29 2021 Quant Results File: M1015W.RES

Quant Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 13:28:38 2021
Response via : Initial Calibration
DataAcq Meth : M8260

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
29)	3-Methylpentane	3.47	57	37452	43.35	ppb		88
30)	Hexane	3.70	56	751	34.68	ppb	#	100
31)	Diisopropyl Ether	4.24	45	152386	41.14	ppb		95
32)	1,1-DCA	4.06	63	116415	42.45	ppb	#	94
34)	Ethyl tert Butyl Ether	4.77	59	199919	41.25	ppb		94
35)	Methylcyclopentane	4.77	56	8348	40.96	ppb		100
36)	MEK (2-Butanone)	4.99	43	43256	82.23	ppb		88
37)	Cis-1,2-DCE	4.91	96	82880	43.37	ppb		92
38)	2,2-Dichloropropane	4.89	77	141607	39.86	ppb		99
39)	Chloroform	5.36	83	160419	42.76	ppb		94
40)	Bromochloromethane	5.22	130	68479	49.26	ppb		94
42)	1,1,1-TCA	5.54	97	182393	46.52	ppb		98
43)	Cyclohexane	5.58	41	48312	41.04	ppb		90
44)	1,1-Dichloropropene	5.75	75	94511	42.80	ppb		97
45)	2,2,4-Trimethylpentane	6.12	57	121452	34.73	ppb	#	86
47)	Carbon Tetrachloride	5.74	117	166925	47.02	ppb		98
48)	Tert Amyl Methyl Ether	6.18	73	194157	40.51	ppb		97
49)	1,2-DCA	6.04	62	153949	45.21	ppb		100
50)	Benzene	5.99	78	269561	43.28	ppb		99
51)	TCE	6.75	95	85080	46.13	ppb		85
52)	2-Pentanone	7.01	43	159478	182.50	ppb		99
53)	1,2-Dichloropropane	7.00	63	32440	49.75	ppb		96
54)	Bromodichloromethane	7.31	83	132884	45.71	ppb		99
55)	Methyl Cyclohexane	6.94	83	97260	42.40	ppb		100
56)	Dibromomethane	7.12	93	50236	45.10	ppb		93
57)	MIBK (methyl isobutyl ket	7.98	43	93060	78.28	ppb		97
58)	1-Bromo-2-chloroethane	7.62	144	17760	43.04	ppb		98
59)	2-Chloroethyl vinyl ether	7.58	43	20	15.93	ppb	#	100
60)	Cis-1,3-Dichloropropene	7.79	75	117498	43.10	ppb		96
61)	Toluene	8.12	91	319786	41.80	ppb		99
62)	Trans-1,3-Dichloropropene	8.37	75	122778	43.89	ppb		99
63)	1,1,2-TCA	8.55	83	47558	39.57	ppb		94
64)	2-Hexanone	8.83	43	66653	78.60	ppb		94
67)	1,2-EDB	9.03	107	74115	46.45	ppb		95
68)	Tetrachloroethene	8.66	164	70304	44.97	ppb		81
69)	1-Chlorohexane	9.53	91	54312	38.51	ppb		96
70)	1,1,1,2-Tetrachloroethane	9.62	131	111805	42.65	ppb		92
71)	m&p-Xylene	9.77	106	333019	85.09	ppb		100
72)	o-Xylene	10.16	106	167690	42.31	ppb		100
73)	Styrene	10.18	104	270125	41.74	ppb		99
75)	1,3-Dichloropropane	8.71	76	106532	43.44	ppb		88
76)	Dibromochloromethane	8.93	129	113393	46.02	ppb		99

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

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211015\1015M19.D Vial: 9
Acq On : 15 Oct 21 18:31 Operator: LP,DG,CH
Sample : 40ug/L VOC STD 10/15/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 16 13:29 2021 Quant Results File: M1015W.RES

Quant Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 13:28:38 2021
Response via : Initial Calibration
DataAcq Meth : M8260

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
77)	Chlorobenzene	9.53	112	247111	41.17 ppb	96
78)	Ethylbenzene	9.65	91	393606	43.49 ppb	98
79)	Bromoform	10.35	173	96934	47.29 ppb	94
81)	Isopropylbenzene	10.53	105	436071	40.40 ppb	98
82)	1,1,2,2-Tetrachloroethane	10.84	83	72110	39.85 ppb	91
83)	1,2,3-Trichloropropane	10.88	110	37233	43.97 ppb	94
84)	t-1,4-Dichloro-2-Butene	10.90	53	20351	36.72 ppb	74
85)	Bromobenzene	10.81	156	144680	39.26 ppb	93
86)	n-Propylbenzene	10.94	91	452586	41.83 ppb	99
87)	4-Ethyltoluene	11.06	105	417221	41.31 ppb	95
88)	2-Chlorotoluene	11.01	91	340873	40.48 ppb	88
89)	1,3,5-Trimethylbenzene	11.12	105	382964	41.40 ppb	97
90)	4-Chlorotoluene	11.13	91	343947	40.60 ppb	99
91)	Tert-Butylbenzene	11.44	119	234880	44.83 ppb	98
92)	1,2,4-Trimethylbenzene	11.49	105	396710	42.65 ppb	99
93)	Sec-Butylbenzene	11.66	105	437165	44.90 ppb	99
94)	p-Isopropyltoluene	11.81	119	441578	43.11 ppb	98
95)	Benzyl Chloride	11.99	91	88019	35.87 ppb	99
96)	1,3-DCB	11.75	146	262502	43.48 ppb	98
97)	1,4-DCB	11.84	146	255429	43.91 ppb	96
98)	n-Butylbenzene	12.22	91	282853	41.90 ppb	98
99)	1,2-DCB	12.21	146	253718	42.63 ppb	99
100)	Hexachloroethane	12.46	117	65707	41.10 ppb	99
101)	1,2-Dibromo-3-chloropropan	12.99	75	22876	44.84 ppb	91
102)	1,2,4-Trichlorobenzene	13.81	180	113144	43.34 ppb	94
103)	Hexachlorobutadiene	13.99	225	114209	42.64 ppb	98
104)	Naphthalene	14.05	128	238304	52.27 ppb	99
105)	1,2,3-Trichlorobenzene	14.30	180	146469	44.67 ppb	90

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

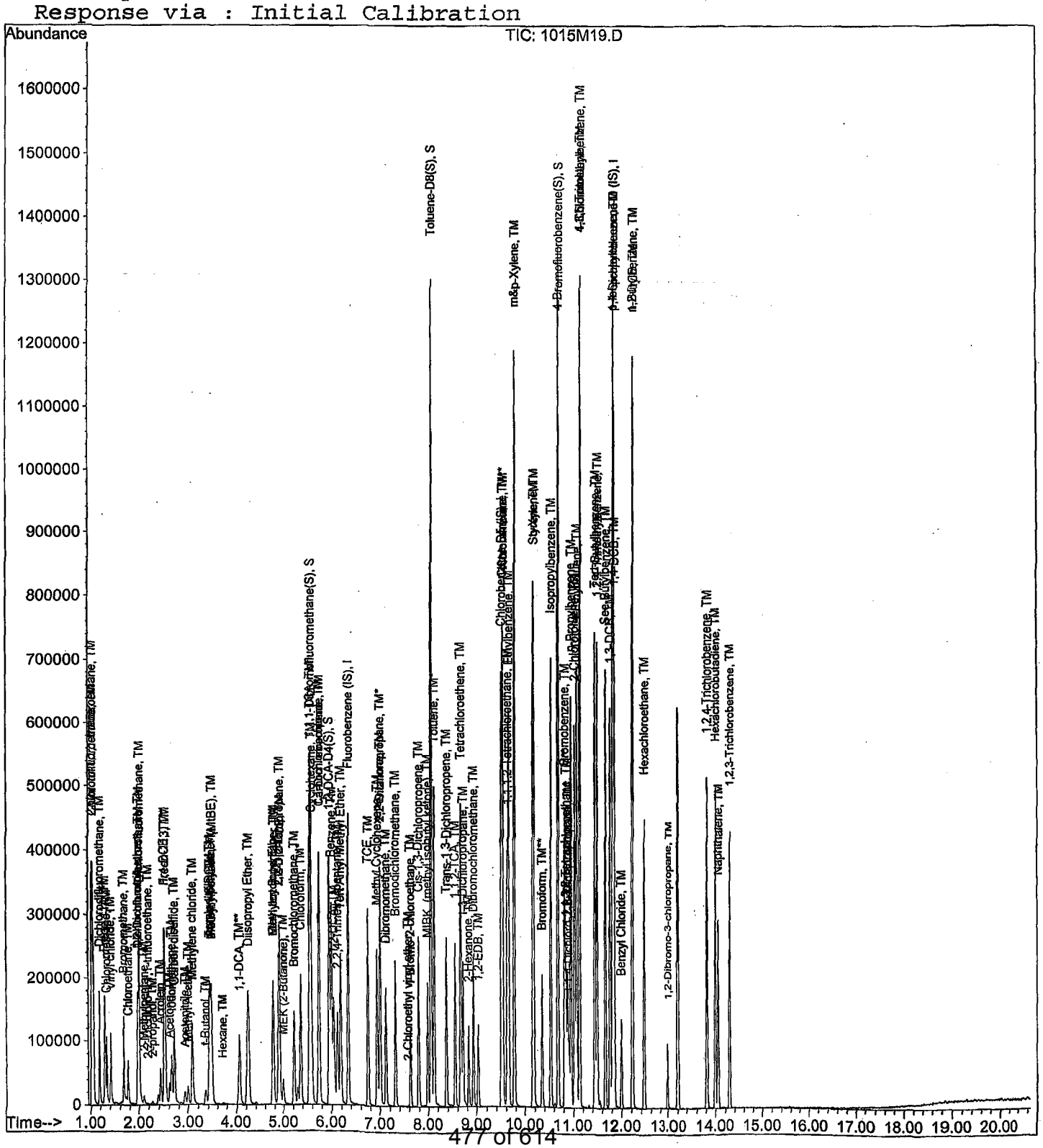
Quantitation Report

Data File : M:\MAX\DATA\211015\1015M19.D
Acq On : 15 Oct 21 18:31
Sample : 40ug/L VOC STD 10/15/21
Misc : IS&S 8/4/21

Vial: 9
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Oct 16 13:29 2021
Quant Results File: M1015W.RES

Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 14:01:48 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211015\1015M20.D
Acq On : 15 Oct 21 19:00
Sample : 100ug/L VOC STD 10/15/21
Misc : IS&S 8/4/21

Vial: 10
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Oct 16 13:29 2021 Quant Results File: M1015W.RES

Quant Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 13:28:38 2021
Response via : Initial Calibration
DataAcq Meth : M8260

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene (IS)	6.34	96	386789	25.00	ppb		0.00
65) Chlorobenzene-D5 (IS)	9.50	117	357810	25.00	ppb		0.00
80) 1,4-Dichlorobenzene-D (IS)	11.82	152	248989	25.00	ppb		0.00
System Monitoring Compounds							
41) Dibromofluoromethane(S)	5.56	111	442755	94.72	ppb		0.00
Spiked Amount 25.000			Recovery = 378.876%				
46) 1,2-DCA-D4(S)	5.95	65	315456	99.33	ppb		0.00
Spiked Amount 25.000			Recovery = 397.320%				
66) Toluene-D8(S)	8.05	98	1486255	91.76	ppb		0.00
Spiked Amount 25.000			Recovery = 367.048%				
74) 4-Bromofluorobenzene(S)	10.68	95	657746	94.36	ppb		0.00
Spiked Amount 25.000			Recovery = 377.452%				
Target Compounds							Qvalue
2) Chlorotrifluoroethene	1.02	116	1201	7.92	ppb	#	45
3) Dichlorodifluoromethane	1.18	85	234560	119.53	ppb		99
4) Freon 114	1.29	85	146791	88.87	ppb		80
5) Chloromethane	1.33	50	143008	120.04	ppb		97
6) Vinyl chloride	1.42	62	168822	117.43	ppb		98
7) 2-Chloro-1,1,1-trifluoroet	1.00	118	1493	35.42	ppb	#	37
8) Bromomethane	1.68	94	135974	143.32	ppb		93
9) Chloroethane	1.76	64	126156	129.66	ppb		97
10) Dichlorofluoromethane	1.96	67	347423	106.00	ppb		100
11) Trichlorofluoromethane	1.99	101	454942	123.28	ppb		94
12) 2,2-Dichloro-1,1,1-trifluo	2.39	85	85	72.11	ppb	#	100
13) Acrolein	2.44	56	44550	122.70	ppb		88
14) Acetone	2.62	43	47910	108.58	ppb		94
15) Freon-113	2.52	151	175591	102.62	ppb		89
16) Acetonitrile	2.94	41	23864	193.35	ppb		91
17) 2-propanol	2.30	45	8518	465.81	ppb		92
18) 1,2-Dichlorotrifluoroethan	1.96	67	347584	106.03	ppb	#	100
19) 1,1-DCE	2.50	61	262927	116.95	ppb		95
20) t-Butanol	3.37	59	50833	214.24	ppb		99
21) Methyl Acetate	3.00	43	84654	106.53	ppb		85
22) Iodomethane	2.65	142	214716	120.36	ppb		98
23) Acrylonitrile	3.44	53	47089	105.86	ppb		93
24) 2-Methylpentane	2.09	71	220	93.32	ppb	#	100
25) Methylene chloride	3.08	84	160180	98.28	ppb		95
26) Carbon disulfide	2.71	76	194560	89.38	ppb		97
27) Methyl t-butyl ether (MtBE	3.47	73	555224	106.05	ppb		93
28) Trans-1,2-DCE	3.42	96	182546	121.83	ppb		100

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

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211015\1015M20.D Vial: 10
Acq On : 15 Oct 21 19:00 Operator: LP,DG,CH
Sample : 100ug/L VOC STD 10/15/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 16 13:29 2021 Quant Results File: M1015W.RES

Quant Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 13:28:38 2021
Response via : Initial Calibration
DataAcq Meth : M8260

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
29)	3-Methylpentane	3.47	57	93951	112.00	ppb		89
30)	Hexane	3.71	56	1846	87.00	ppb	#	100
31)	Diisopropyl Ether	4.24	45	370710	102.14	ppb		97
32)	1,1-DCA	4.06	63	285289	106.17	ppb	#	93
34)	Ethyl tert Butyl Ether	4.77	59	459729	96.83	ppb		97
35)	Methylcyclopentane	4.77	56	17519	87.74	ppb	#	100
36)	MEK (2-Butanone)	4.99	43	53511	103.84	ppb		90
37)	Cis-1,2-DCE	4.91	96	197796	105.64	ppb		94
38)	2,2-Dichloropropane	4.89	77	346511	99.56	ppb		100
39)	Chloroform	5.36	83	390282	106.18	ppb		94
40)	Bromochloromethane	5.22	130	156085	115.65	ppb	#	88
42)	1,1,1-TCA	5.54	97	433213	112.79	ppb		97
43)	Cyclohexane	5.58	41	121867	105.66	ppb		90
44)	1,1-Dichloropropene	5.75	75	231228	106.87	ppb		95
45)	2,2,4-Trimethylpentane	6.12	57	302605	88.31	ppb		87
47)	Carbon Tetrachloride	5.74	117	411487	118.31	ppb		95
48)	Tert Amyl Methyl Ether	6.18	73	450960	96.03	ppb		97
49)	1,2-DCA	6.04	62	367370	110.12	ppb		98
50)	Benzene	5.99	78	649591	106.45	ppb		98
51)	TCE	6.75	95	206061	115.34	ppb		84
52)	2-Pentanone	7.01	43	179595	209.77	ppb		99
53)	1,2-Dichloropropane	7.00	63	72296	113.59	ppb		96
54)	Bromodichloromethane	7.31	83	317248	111.38	ppb		100
55)	Methyl Cyclohexane	6.94	83	236830	106.31	ppb		93
56)	Dibromomethane	7.12	93	119549	109.56	ppb		95
57)	MIBK (methyl isobutyl ket	7.98	43	114125	97.99	ppb		98
58)	1-Bromo-2-chloroethane	7.62	144	42608	105.40	ppb		91
59)	2-Chloroethyl vinyl ether	7.69	43	19	15.45	ppb	#	100
60)	Cis-1,3-Dichloropropene	7.79	75	293076	109.74	ppb		94
61)	Toluene	8.12	91	786013	104.86	ppb		96
62)	Trans-1,3-Dichloropropene	8.37	75	301333	109.95	ppb		100
63)	1,1,2-TCA	8.55	83	116902	99.29	ppb		93
64)	2-Hexanone	8.83	43	83212	100.16	ppb	#	92
67)	1,2-EDB	9.03	107	187298	116.98	ppb		98
68)	Tetrachloroethene	8.66	164	163584	104.28	ppb		86
69)	1-Chlorohexane	9.53	91	140232	99.08	ppb		96
70)	1,1,1,2-Tetrachloroethane	9.62	131	281249	106.91	ppb		97
71)	m&p-Xylene	9.77	106	823233	209.61	ppb		98
72)	o-Xylene	10.16	106	418928	105.33	ppb		98
73)	Styrene	10.18	104	692047	106.57	ppb		98
75)	1,3-Dichloropropane	8.71	76	259322	105.38	ppb		91
76)	Dibromochloromethane	8.93	129	278663	112.70	ppb		98

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

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211015\1015M20.D Vial: 10
Acq On : 15 Oct 21 19:00 Operator: LP,DG,CH
Sample : 100ug/L VOC STD 10/15/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 16 13:29 2021 Quant Results File: M1015W.RES

Quant Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 13:28:38 2021
Response via : Initial Calibration
DataAcq Meth : M8260

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
77)	Chlorobenzene	9.53	112	618681	102.72 ppb	96
78)	Ethylbenzene	9.65	91	972119	107.04 ppb	100
79)	Bromoform	10.35	173	247112	120.13 ppb	95
81)	Isopropylbenzene	10.54	105	1132302	104.03 ppb	98
82)	1,1,2,2-Tetrachloroethane	10.85	83	183360	100.48 ppb	93
83)	1,2,3-Trichloropropane	10.88	110	96387	113.47 ppb	94
84)	t-1,4-Dichloro-2-Butene	10.90	53	52050	92.63 ppb	80
85)	Bromobenzene	10.81	156	374456	100.76 ppb	91
86)	n-Propylbenzene	10.94	91	1150904	105.49 ppb	100
87)	4-Ethyltoluene	11.06	105	1068018	104.87 ppb	94
88)	2-Chlorotoluene	11.02	91	751088	88.44 ppb	92
89)	1,3,5-Trimethylbenzene	11.12	105	1000113	107.22 ppb	99
90)	4-Chlorotoluene	11.13	91	881242	103.15 ppb	99
91)	Tert-Butylbenzene	11.44	119	615168	116.44 ppb	97
92)	1,2,4-Trimethylbenzene	11.49	105	1027302	109.19 ppb	98
93)	Sec-Butylbenzene	11.66	105	1145861	116.71 ppb	100
94)	p-Isopropyltoluene	11.81	119	1156691	111.42 ppb	99
95)	Benzyl Chloride	11.99	91	250447	101.21 ppb	97
96)	1,3-DCB	11.75	146	675841	111.01 ppb	99
97)	1,4-DCB	11.85	146	672085	115.40 ppb	98
98)	n-Butylbenzene	12.22	91	786990	114.02 ppb	97
99)	1,2-DCB	12.21	146	677640	112.91 ppb	98
100)	Hexachloroethane	12.46	117	181188	112.65 ppb	98
101)	1,2-Dibromo-3-chloropropan	12.99	75	63114	121.24 ppb	93
102)	1,2,4-Trichlorobenzene	13.81	180	337280	123.99 ppb	90
103)	Hexachlorobutadiene	13.99	225	307962	112.70 ppb	97
104)	Naphthalene	14.06	128	746536	118.59 ppb	97
105)	1,2,3-Trichlorobenzene	14.30	180	462536	133.70 ppb	90

Quantitation Report

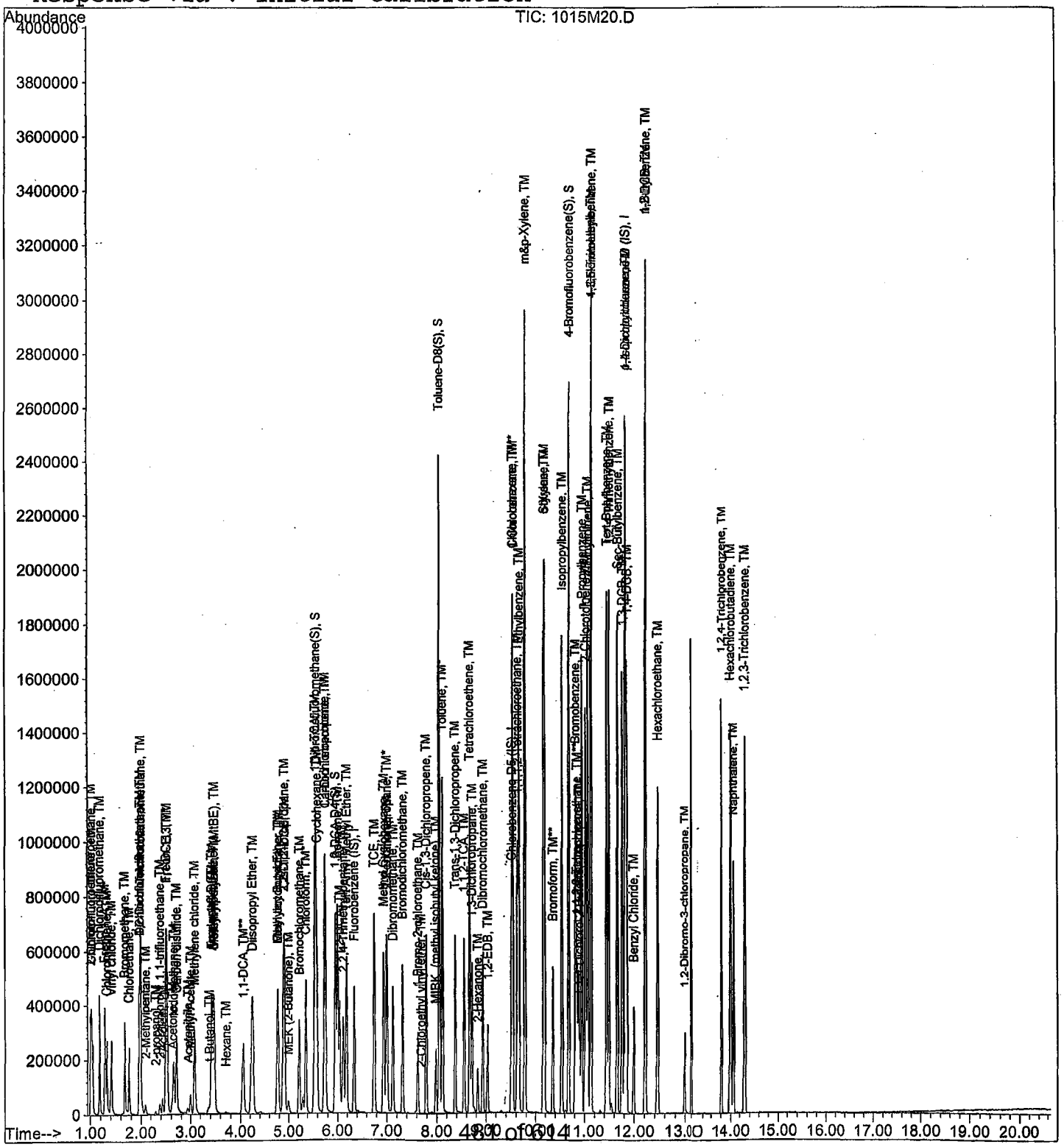
Data File : M:\MAX\DATA\211015\1015M20.D
Acq On : 15 Oct 21 19:00
Sample : 100ug/L VOC STD 10/15/21
Misc : IS&S 8/4/21

Vial: 10
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Oct 16 13:29 2021

Quant Results File: M1015W.RES

Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 14:01:48 2021
Response via : Initial Calibration



VOLATILE ORGANIC ANALYSIS BY EPA METHOD 8260B

Form 7

Second Source Calibration

Lab Name: APPL, Inc. SDG No:

Case No: Date Analyzed: 10/15/2021

Matrix: Water Instrument: Max

Initial Cal. Date: 10/15/2021

Data File: 1015M22.D

		Compound	MEAN	CCRF	%D		%Drift	
1	TM	Chlorotrifluoroethene	0.0000	0.0122	0.00	TM		
2	TM	Dichlorodifluoromethane	0.1497	0.1425	4.8	TM		
3	TM	Freon 114	0.0839	0.0990	18	TM		
4	TM**	Chloromethane	0.0893	0.0842	5.7	TM**		
5	TM*	Vinyl chloride	0.1101	0.1001	9.1	TM*		
6	TM	2-Chloro-1,1,1-trifluoroethane	0.0000	0.0024	0.00	TM		
7	TM	Bromomethane	0.0931	0.0814	13	TM		
8	TML	Chloroethane	0.0844	0.0648	23	TML	8.2	
9	TM	Dichlorofluoromethane	0.2416	0.1948	19	TM		
10	TM	Trichlorofluoromethane	0.2889	0.2752	4.8	TM		
11	TM	2,2-Dichloro-1,1,1-trifluoroethane	0.0000	0.0001	0.00	TM		
12	TMQ	Acrolein	0.0145	0.0122	15	TMQ	12	
13	TM	Acetone	0.0326	0.0319	2.1	TM		
14	TM	Freon-113	0.1176	0.1116	5.1	TM		
15	TM	Acetonitrile	0.0077	0.0083	7.5	TM		
16	TML	2-propanol	0.0000	0.0009	0.00	TML		
17	TM	1,2-Dichlorotrifluoroethane	0.2416	0.1948	19	TM		
18	TM*	1,1-DCE	0.1751	0.1607	8.2	TM*		
19	TMQ	t-Butanol	0.0101	0.0116	14	TMQ	16	
20	TMQ	Methyl Acetate	0.0528	0.0415	21	TMQ	24	*NT
21	TML	Iodomethane	0.1096	0.0881	20	TML	24	*NT
22	TML	Acrylonitrile	0.0252	0.0300	19	TML	2.8	
23	TM	Methylene chloride	0.1130	0.1086	3.9	TM		
24	TM	Carbon disulfide	0.1424	0.1277	10	TM		
25	TM	Methyl t-butyl ether (MtBE)	0.3769	0.3493	7.3	TM		
26	TM	Trans-1,2-DCE	0.1221	0.1176	3.6	TM		
27	TML	3-Methylpentane	0.0702	0.0590	16	TML	7.9	
28	TM	Hexane	0.0000	0.0008	0.00	TM		
29	TM	Diisopropyl Ether	0.2351	0.2190	6.9	TM		
30	TM**	1,1-DCA	0.1831	0.1889	3.2	TM**		
31	TM	Ethyl tert Butyl Ether	0.3021	0.2803	7.2	TM		
32	TML	Methylcyclopentane	0.0160	0.0145	9.4	TML	13	
33	TM	MEK (2-Butanone)	0.0341	0.0344	1.0	TM		
34	TM	Cis-1,2-DCE	0.1352	0.1221	9.7	TM		
35	TM	2,2-Dichloropropane	0.2349	0.2108	10	TM		
36	TM*	Chloroform	0.2377	0.2410	1.4	TM*		
37	TML	Bromochloromethane	0.1040	0.0967	7.0	TML	9.0	
38	TM	1,1,1-TCA	0.2791	0.2799	0.27	TM		
39	TM	Cyclohexane	0.0798	0.0682	15	TM		
40	TM	1,1-Dichloropropene	0.1514	0.1477	2.5	TM		
		Average			8.6			

VOLATILE ORGANIC ANALYSIS BY EPA METHOD 8260B

Form 7

Second Source Calibration

Lab Name: APPL, Inc. SDG No:

Case No: Date Analyzed: 10/15/2021

Matrix: Water Instrument: Max

Cal. Date: 10/15/2021

Data File: 1015M22.D

		Compound	MEAN	CCRF	%D		%Drift
41	TM	2,2,4-Trimethylpentane	0.1964	0.1702	13	TM	
42	TM	Carbon Tetrachloride	0.2625	0.2517	4.1	TM	
43	TM	Tert Amyl Methyl Ether	0.2978	0.2793	6.2	TM	
44	TM	1,2-DCA	0.2350	0.2325	1.1	TM	
45	TM	Benzene	0.4384	0.4137	5.6	TM	
46	TM	TCE	0.1404	0.1388	1.1	TM	
47	TM	2-Pentanone	0.0570	0.0572	0.40	TM	
48	TM*L	1,2-Dichloropropane	0.0476	0.0463	2.9	TM*L	5.1
49	TM	Bromodichloromethane	0.1968	0.1954	0.72	TM	
50	TML	Methyl Cyclohexane	0.1542	0.1469	4.7	TML	2.6
51	TM	Dibromomethane	0.0856	0.0761	11	TM	
52	TM	MIBK (methyl isobutyl ketone)	0.0729	0.0782	7.3	TM	
53	TML	1-Bromo-2-chloroethane	0.0245	0.0257	4.8	TML	6.7
54	TM	2-Chloroethyl vinyl ether	0.0000	0.0001	0.00	TM	
55	TM	Cis-1,3-Dichloropropene	0.1763	0.1779	0.88	TM	
56	TM*	Toluene	0.5070	0.4972	1.9	TM*	
57	TM	Trans-1,3-Dichloropropene	0.1749	0.1751	0.15	TM	
58	TM	1,1,2-TCA	0.0786	0.0760	3.3	TM	
59	TM	2-Hexanone	0.0493	0.0526	6.7	TM	
60	TM	1,2-EDB	0.1319	0.1272	3.6	TM	
61	TML	Tetrachloroethene	0.2207	0.1356	39	TML	4.5
62	TM	1-Chlorohexane	0.0992	0.0866	13	TM	
63	TM	1,1,1,2-Tetrachloroethane	0.1860	0.1885	1.4	TM	
64	TM	m&p-Xylene	0.2826	0.2811	0.55	TM	
65	TM	o-Xylene	0.2964	0.2821	4.8	TM	
66	TM	Styrene	0.4463	0.4632	3.8	TM	
67	TM	1,3-Dichloropropane	0.1940	0.1840	5.1	TM	
68	TM	Dibromochloromethane	0.1941	0.1947	0.35	TM	
69	TM**	Chlorobenzene	0.4334	0.4155	4.1	TM**	
70	TM*	Ethylbenzene	0.6860	0.6607	3.7	TM*	
71	TM**	Bromoform	0.1611	0.1543	4.2	TM**	
72	TM	Isopropylbenzene	1.166	1.132	2.9	TM	
73	TM**	1,1,2,2-Tetrachloroethane	0.2001	0.1827	8.7	TM**	
74	TM	1,2,3-Trichloropropane	0.1000	0.1008	0.81	TM	
75	TML	t-1,4-Dichloro-2-Butene	0.0601	0.0488	19	TML	4.0
76	TM	Bromobenzene	0.3816	0.3657	4.2	TM	
77	TM	n-Propylbenzene	1.151	1.138	1.2	TM	
78	TM	4-Ethyltoluene	1.063	0.9969	6.2	TM	
79	TM	2-Chlorotoluene	0.9129	0.8702	4.7	TM	
80	TM	1,3,5-Trimethylbenzene	0.9948	1.004	0.90	TM	
		Average			5.2		

VOLATILE ORGANIC ANALYSIS BY
EPA METHOD 8260B

Form 7

Second Source Calibration

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

SDG No:
Date Analyzed: 10/15/2021
Instrument: Max
Cal. Date: 10/15/2021
Data File: 1015M22.D

		Compound	MEAN	CCRF	%D		%Drift
81	TM	4-Chlorotoluene	0.9068	0.8859	2.3	TM	
82	TM	Tert-Butylbenzene	0.5492	0.5705	3.9	TM	
83	TM	1,2,4-Trimethylbenzene	0.9425	0.9915	5.2	TM	
84	TM	Sec-Butylbenzene	1.051	1.108	5.5	TM	
85	TM	p-Isopropyltoluene	1.016	1.070	5.3	TM	
86	TM	Benzyl Chloride	0.2406	0.2024	16	TM	
87	TM	1,3-DCB	0.6644	0.6756	1.7	TM	
88	TM	1,4-DCB	0.6767	0.6541	3.3	TM	
89	TML	n-Butylbenzene	0.5721	0.6278	9.7	TML	7.4
90	TM	1,2-DCB	0.6504	0.6356	2.3	TM	
91	TM	Hexachloroethane	0.1703	0.1719	0.98	TM	
92	TML	1,2-Dibromo-3-chloropropane	0.0437	0.0485	11	TML	13
93	TML	1,2,4-Trichlorobenzene	0.1936	0.2049	5.8	TML	17
94	TML	Hexachlorobutadiene	0.2401	0.2482	3.4	TML	9.7
95	TMQ	Naphthalene	0.4088	0.4281	4.7	TMQ	8.9
96	TML	1,2,3-Trichlorobenzene	0.2371	0.2821	19	TML	13
97							
98							
99							
100							
101							
102							
103							
104							
105							
106							
107							
108							
109							
110							
111							
112							
113							
114							
115							
116							
117							
118							
119							
120							
		Average			6.3		

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211015\1015M22.D Vial: 12
Acq On : 15 Oct 21 19:57 Operator: LP,DG,CH
Sample : (SS) 10ug/L VOC STD 10/15/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 16 14:01 2021 Quant Results File: M1015W.RES

Quant Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 14:01:48 2021
Response via : Initial Calibration
DataAcq Meth : M8260

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene (IS)	6.34	96	407759	25.00	ppb		0.00
65) Chlorobenzene-D5 (IS)	9.50	117	364241	25.00	ppb		0.00
80) 1,4-Dichlorobenzene-D (IS)	11.82	152	235667	25.00	ppb		0.00
System Monitoring Compounds							
41) Dibromofluoromethane(S)	5.56	111	123620	24.41	ppb		0.00
Spiked Amount 25.000			Recovery = 97.644%				
46) 1,2-DCA-D4(S)	5.95	65	86328	24.44	ppb		0.00
Spiked Amount 25.000			Recovery = 97.764%				
66) Toluene-D8(S)	8.05	98	412111	24.62	ppb		0.00
Spiked Amount 25.000			Recovery = 98.464%				
74) 4-Bromofluorobenzene(S)	10.68	95	166312	24.60	ppb		0.00
Spiked Amount 25.000			Recovery = 98.388%				
Target Compounds							Qvalue
3) Dichlorodifluoromethane	1.18	85	23248	9.52	ppb		98
4) Freon 114	1.29	85	16154	11.81	ppb		81
5) Chloromethane	1.33	50	13730	9.43	ppb		91
6) Vinyl chloride	1.42	62	16330	9.09	ppb		99
8) Bromomethane	1.68	94	13271	8.74	ppb		98
9) Chloroethane	1.77	64	10562	9.18	ppb		92
10) Dichlorofluoromethane	1.97	67	31774	8.06	ppb		97
11) Trichlorofluoromethane	2.00	101	44881	9.52	ppb		96
13) Acrolein	2.44	56	24941	109.40	ppb		90
14) Acetone	2.61	43	26025	48.95	ppb		99
15) Freon-113	2.52	151	18195	9.49	ppb		94
16) Acetonitrile	2.93	41	16970	134.32	ppb		90
18) 1,2-Dichlorotrifluoroethan	1.97	67	31774	8.06	ppb		100
19) 1,1-DCE	2.51	61	26210	9.18	ppb		99
20) t-Butanol	3.34	59	23571	144.72	ppb		93
21) Methyl Acetate	2.99	43	6766	7.57	ppb		95
22) Iodomethane	2.66	142	14370	7.58	ppb		95
23) Acrylonitrile	3.43	53	4893	9.72	ppb		91
25) Methylene chloride	3.08	84	17714	9.61	ppb		94
26) Carbon disulfide	2.71	76	20832	8.97	ppb	#	92
27) Methyl t-butyl ether (MtBE	3.47	73	56980	9.27	ppb		92
28) Trans-1,2-DCE	3.43	96	19186	9.64	ppb		92
29) 3-Methylpentane	3.46	57	9624	9.21	ppb	#	87
31) Diisopropyl Ether	4.24	45	35716	9.31	ppb		90
32) 1,1-DCA	4.06	63	30810	10.32	ppb		95
34) Ethyl tert Butyl Ether	4.77	59	45712	9.28	ppb		96
35) Methylcyclopentane	4.78	56	2359	11.28	ppb		100

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

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211015\1015M22.D Vial: 12
Acq On : 15 Oct 21 19:57 Operator: LP,DG,CH
Sample : (SS) 10ug/L VOC STD 10/15/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 16 14:01 2021 Quant Results File: M1015W.RES

Quant Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 14:01:48 2021
Response via : Initial Calibration
DataAcq Meth : M8260

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
36)	MEK (2-Butanone)	4.99	43	28077	50.51	ppb	#	93
37)	Cis-1,2-DCE	4.91	96	19914	9.03	ppb		92
38)	2,2-Dichloropropane	4.89	77	34376	8.97	ppb		97
39)	Chloroform	5.36	83	39302	10.14	ppb		97
40)	Bromochloromethane	5.22	130	15775	9.10	ppb		95
42)	1,1,1-TCA	5.54	97	45646	10.03	ppb		94
43)	Cyclohexane	5.59	41	11131	8.55	ppb		86
44)	1,1-Dichloropropene	5.75	75	24083	9.75	ppb		95
45)	2,2,4-Trimethylpentane	6.12	57	27765	8.67	ppb		86
47)	Carbon Tetrachloride	5.74	117	41049	9.59	ppb		95
48)	Tert Amyl Methyl Ether	6.18	73	45547	9.38	ppb		96
49)	1,2-DCA	6.04	62	37921	9.89	ppb		97
50)	Benzene	5.99	78	67483	9.44	ppb		96
51)	TCE	6.75	95	22638	9.89	ppb		91
52)	2-Pentanone	7.01	43	116600	125.50	ppb		100
53)	1,2-Dichloropropane	7.00	63	7545	9.49	ppb	#	91
54)	Bromodichloromethane	7.31	83	31868	9.93	ppb		97
55)	Methyl Cyclohexane	6.94	83	23967	9.74	ppb		90
56)	Dibromomethane	7.12	93	12407	8.88	ppb		93
57)	MIBK (methyl isobutyl ket	7.98	43	63733	53.64	ppb		95
58)	1-Bromo-2-chloroethane	7.62	144	4192	9.33	ppb		75
60)	Cis-1,3-Dichloropropene	7.79	75	29014	10.09	ppb		96
61)	Toluene	8.12	91	81096	9.81	ppb		99
62)	Trans-1,3-Dichloropropene	8.37	75	28562	10.02	ppb		97
63)	1,1,2-TCA	8.55	83	12396	9.67	ppb		88
64)	2-Hexanone	8.83	43	42858	53.33	ppb		97
67)	1,2-EDB	9.03	107	18534	9.64	ppb		93
68)	Tetrachloroethene	8.66	164	19760	10.45	ppb	#	76
69)	1-Chlorohexane	9.53	91	12619	8.73	ppb		96
70)	1,1,1,2-Tetrachloroethane	9.62	131	27467	10.14	ppb		93
71)	m&p-Xylene	9.77	106	81898	19.89	ppb		97
72)	o-Xylene	10.16	106	41097	9.52	ppb		90
73)	Styrene	10.18	104	67486	10.38	ppb	#	95
75)	1,3-Dichloropropane	8.71	76	26810	9.49	ppb		92
76)	Dibromochloromethane	8.93	129	28373	10.03	ppb		98
77)	Chlorobenzene	9.53	112	60543	9.59	ppb		98
78)	Ethylbenzene	9.65	91	96264	9.63	ppb		99
79)	Bromoform	10.35	173	22475	9.58	ppb		89
81)	Isopropylbenzene	10.53	105	106724	9.71	ppb		99
82)	1,1,2,2-Tetrachloroethane	10.84	83	17225	9.13	ppb	#	88
83)	1,2,3-Trichloropropane	10.87	110	9505	10.08	ppb		85
84)	t-1,4-Dichloro-2-Butene	10.90	53	4599	9.60	ppb		75

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

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211015\1015M22.D Vial: 12
Acq On : 15 Oct 21 19:57 Operator: LP,DG,CH
Sample : (SS) 10ug/L VOC STD 10/15/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 16 14:01 2021 Quant Results File: M1015W.RES

Quant Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 14:01:48 2021
Response via : Initial Calibration
DataAcq Meth : M8260

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
85)	Bromobenzene	10.81	156	34477	9.58	ppb		91
86)	n-Propylbenzene	10.94	91	107263	9.88	ppb		94
87)	4-Ethyltoluene	11.06	105	93970	9.38	ppb		94
88)	2-Chlorotoluene	11.01	91	82030	9.53	ppb		94
89)	1,3,5-Trimethylbenzene	11.12	105	94620	10.09	ppb		96
90)	4-Chlorotoluene	11.13	91	83509	9.77	ppb		98
91)	Tert-Butylbenzene	11.44	119	53776	10.39	ppb		96
92)	1,2,4-Trimethylbenzene	11.49	105	93466	10.52	ppb		98
93)	Sec-Butylbenzene	11.66	105	104477	10.55	ppb		99
94)	p-Isopropyltoluene	11.81	119	100883	10.53	ppb		97
95)	Benzyl Chloride	11.99	91	19077	8.41	ppb		97
96)	1,3-DCB	11.75	146	63689	10.17	ppb		94
97)	1,4-DCB	11.84	146	61660	9.67	ppb		97
98)	n-Butylbenzene	12.22	91	59181	9.26	ppb		96
99)	1,2-DCB	12.21	146	59914	9.77	ppb		96
100)	Hexachloroethane	12.46	117	16207	10.10	ppb		91
101)	1,2-Dibromo-3-chloropropan	12.99	75	4572	8.68	ppb	#	90
102)	1,2,4-Trichlorobenzene	13.81	180	19312	8.25	ppb		89
103)	Hexachlorobutadiene	13.99	225	23401	9.03	ppb		92
104)	Naphthalene	14.06	128	40355	9.11	ppb		99
105)	1,2,3-Trichlorobenzene	14.30	180	26595	8.69	ppb		90

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

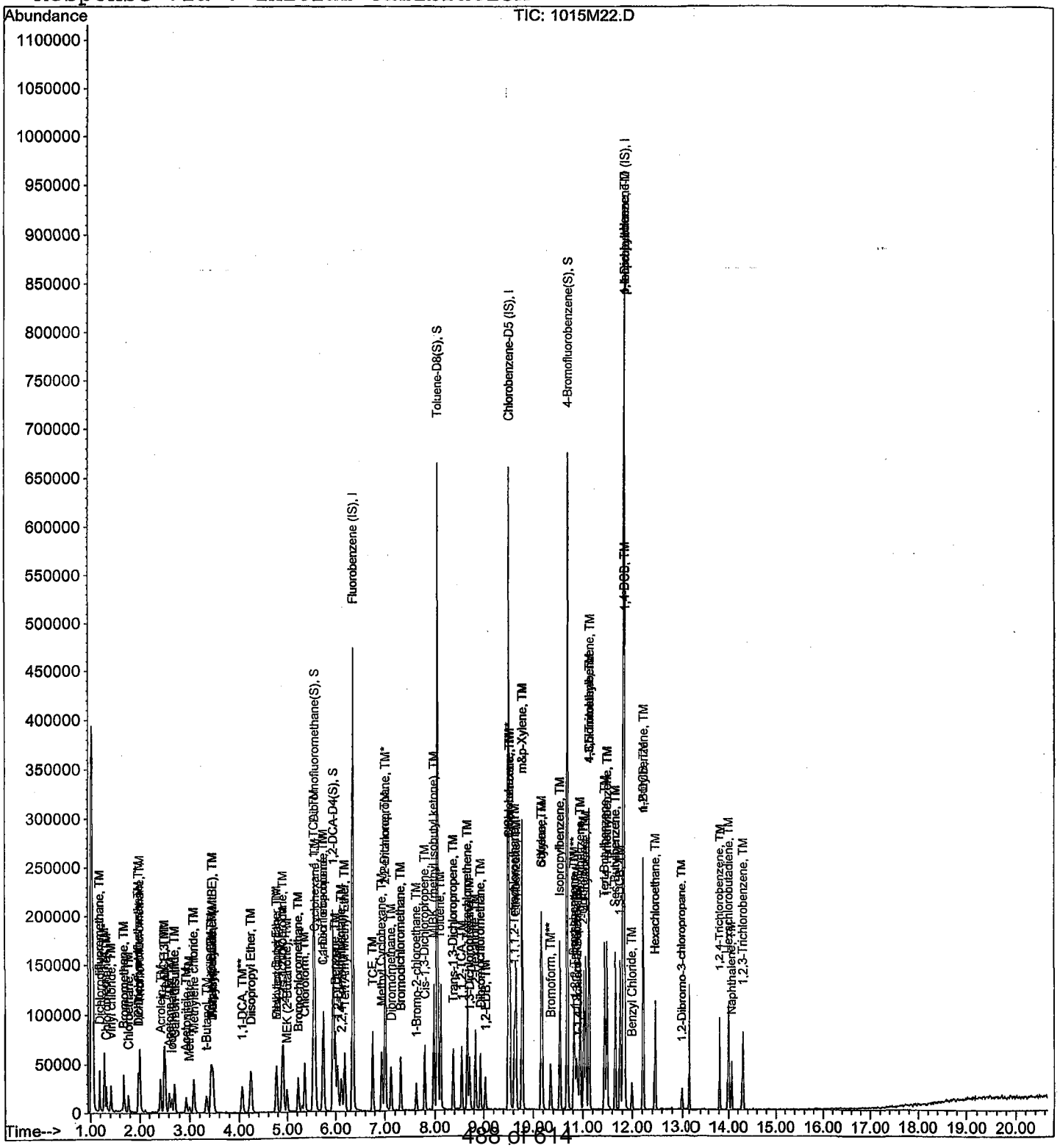
Quantitation Report

Data File : M:\MAX\DATA\211015\1015M22.D
Acq On : 15 Oct 21 19:57
Sample : (SS) 10ug/L VOC STD 10/15/21
Misc : IS&S 8/4/21

Vial: 12
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Oct 16 14:01 2021 Quant Results File: M1015W.RES

Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 14:01:48 2021
Response via : Initial Calibration



VOLATILE ORGANIC ANALYSIS BY
EPA METHOD 8260B

Form 7

Continuing Calibration

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

SDG No:
Date Analyzed: 10/26/2021
Instrument: Max
Initial Cal. Date: 10/15/2021
Data File: 1026M25.D

		Compound	MEAN	CCRF	%D		%Drift	
1	I	Fluorobenzene (IS)	ISTD			I		
2	TM	Chlorotrifluoroethene	0.0000	0.0127	0.00	TM		
3	TM	Dichlorodifluoromethane	0.1497	0.1261	16	TM		
4	TM	Freon 114	0.0839	0.0932	11	TM		
5	TM**	Chloromethane	0.0893	0.0752	16	TM**		
6	TM*	Vinyl chloride	0.1101	0.0848	23	TM*		*NT
7	TM	2-Chloro-1,1,1-trifluoroethane	0.0000	0.0018	0.00	TM		
8	TM	Bromomethane	0.0931	0.0885	4.9	TM		
9	TML	Chloroethane	0.0844	0.0640	24	TML	9.1	
10	TM	Dichlorofluoromethane	0.2416	0.2372	1.8	TM		
11	TM	Trichlorofluoromethane	0.2889	0.2637	8.7	TM		
12	TM	2,2-Dichloro-1,1,1-trifluoroethane	0.0000	0.0001	0.00	TM		
13	TMQ	Acrolein	0.0145	0.0119	18	TMQ	15	
14	TM	Acetone	0.0326	0.0302	7.2	TM		
15	TM	Freon-113	0.1176	0.1173	0.22	TM		
16	TM	Acetonitrile	0.0077	0.0077	0.41	TM		
17	TML	2-propanol	0.0000	0.0010	0.00	TML		
18	TM	1,2-Dichlorotrifluoroethane	0.2416	0.2372	1.8	TM		
19	TM*	1,1-DCE	0.1751	0.1730	1.2	TM*		
20	TMQ	t-Butanol	0.0101	0.0108	6.2	TMQ	6.7	
21	TMQ	Methyl Acetate	0.0528	0.0488	7.6	TMQ	11	
22	TML	Iodomethane	0.1096	0.0963	12	TML	18	
23	TML	Acrylonitrile	0.0252	0.0308	22	TML	0.02	
24	TM	2-Methylpentane	0.0000	0.0004	0.00	TM		
25	TM	Methylene chloride	0.1130	0.1079	4.5	TM		
26	TM	Carbon disulfide	0.1424	0.1362	4.3	TM		
27	TM	Methyl t-butyl ether (MtBE)	0.3769	0.3602	4.4	TM		
28	TM	Trans-1,2-DCE	0.1221	0.1160	5.0	TM		
29	TML	3-Methylpentane	0.0702	0.0681	2.9	TML	7.1	
30	TM	Hexane	0.0000	0.0001	0.00	TM		
31	TM	Diisopropyl Ether	0.2351	0.2432	3.5	TM		
32	TM**	1,1-DCA	0.1831	0.1855	1.3	TM**		
33	TM	Ethyl tert Butyl Ether	0.3021	0.3001	0.65	TM		
34	TML	Methylcyclopentane	0.0160	0.0010	94	TML	105	*NT
35	TM	MEK (2-Butanone)	0.0341	0.0349	2.4	TM		
36	TM	Cis-1,2-DCE	0.1352	0.1276	5.6	TM		
37	TM	2,2-Dichloropropane	0.2349	0.2137	9.0	TM		
38	TM*	Chloroform	0.2377	0.2532	6.5	TM*		
39	TML	Bromochloromethane	0.1040	0.0984	5.4	TML	7.3	
40	S	Dibromofluoromethane(S)	0.3105	0.3246	4.6	S		
		Average			8.6			

VOLATILE ORGANIC ANALYSIS BY
EPA METHOD 8260B

Form 7

Continuing Calibration

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

SDG No:
Date Analyzed: 10/26/2021
Instrument: Max
Cal. Date: 10/15/2021
Data File: 1026M25.D

		Compound	MEAN	CCRF	%D		%Drift
41	TM	1,1,1-TCA	0.2791	0.2873	2.9	TM	
42	TM	Cyclohexane	0.0798	0.0831	4.1	TM	
43	TM	1,1-Dichloropropene	0.1514	0.1489	1.7	TM	
44	TM	2,2,4-Trimethylpentane	0.1964	0.1880	4.3	TM	
45	S	1,2-DCA-D4(S)	0.2166	0.2158	0.33	S	
46	TM	Carbon Tetrachloride	0.2625	0.2628	0.10	TM	
47	TM	Tert Amyl Methyl Ether	0.2978	0.2847	4.4	TM	
48	TM	1,2-DCA	0.2350	0.2284	2.8	TM	
49	TM	Benzene	0.4384	0.4119	6.0	TM	
50	TM	TCE	0.1404	0.1294	7.8	TM	
51	TM	2-Pentanone	0.0570	0.0572	0.49	TM	
52	TM*L	1,2-Dichloropropane	0.0476	0.0471	1.1	TM*L	3.4
53	TM	Bromodichloromethane	0.1968	0.1951	0.88	TM	
54	TML	Methyl Cyclohexane	0.1542	0.1417	8.1	TML	6.0
55	TM	Dibromomethane	0.0856	0.0768	10	TM	
56	TM	MIBK (methyl isobutyl ketone)	0.0729	0.0750	2.9	TM	
57	TML	1-Bromo-2-chloroethane	0.0245	0.0258	5.4	TML	6.1
58	TM	2-Chloroethyl vinyl ether	0.0000	0.0000	0.00	TM	
59	TM	Cis-1,3-Dichloropropene	0.1763	0.1753	0.61	TM	
60	TM*	Toluene	0.5070	0.4841	4.5	TM*	
61	TM	Trans-1,3-Dichloropropene	0.1749	0.1676	4.2	TM	
62	TM	1,1,2-TCA	0.0786	0.0723	8.0	TM	
63	TM	2-Hexanone	0.0493	0.0505	2.4	TM	
64	I	Chlorobenzene-D5 (IS)	ISTD			I	
65	S	Toluene-D8(S)	1.149	1.171	1.9	S	
66	TM	1,2-EDB	0.1319	0.1206	8.6	TM	
67	TML	Tetrachloroethene	0.2207	0.1086	51	TML	19
68	TM	1-Chlorohexane	0.0992	0.0829	16	TM	
69	TM	1,1,1,2-Tetrachloroethane	0.1860	0.2021	8.7	TM	
70	TM	m&p-Xylene	0.2826	0.2891	2.3	TM	
71	TM	o-Xylene	0.2964	0.2808	5.3	TM	
72	TM	Styrene	0.4463	0.4507	0.99	TM	
73	S	4-Bromofluorobenzene(S)	0.4641	0.4762	2.6	S	
74	TM	1,3-Dichloropropane	0.1940	0.1851	4.6	TM	
75	TM	Dibromochloromethane	0.1941	0.1905	1.8	TM	
76	TM**	Chlorobenzene	0.4334	0.4342	0.18	TM**	
77	TM*	Ethylbenzene	0.6860	0.6876	0.24	TM*	
78	TM**	Bromoform	0.1611	0.1553	3.6	TM**	
79	I	1,4-Dichlorobenzene-D (IS)	ISTD			I	
80	TM	Isopropylbenzene	1.166	1.143	2.0	TM	
		Average			5.1		

VOLATILE ORGANIC ANALYSIS BY
EPA METHOD 8260B

Form 7

Continuing Calibration

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

SDG No:
Date Analyzed: 10/26/2021
Instrument: Max
Cal. Date: 10/15/2021
Data File: 1026M25.D

		Compound	MEAN	CCRF	%D		%Drift	
81	TM**	1,1,2,2-Tetrachloroethane	0.2001	0.1861	7.0	TM**		
82	TM	1,2,3-Trichloropropane	0.1000	0.0983	1.7	TM		
83	TML	t-1,4-Dichloro-2-Butene	0.0601	0.0534	11	TML	4.8	
84	TM	Bromobenzene	0.3816	0.3709	2.8	TM		
85	TM	n-Propylbenzene	1.151	1.121	2.7	TM		
86	TM	4-Ethyltoluene	1.063	1.067	0.35	TM		
87	TM	2-Chlorotoluene	0.9129	0.8933	2.1	TM		
88	TM	1,3,5-Trimethylbenzene	0.9948	1.008	1.3	TM		
89	TM	4-Chlorotoluene	0.9068	0.8731	3.7	TM		
90	TM	Tert-Butylbenzene	0.5492	0.5839	6.3	TM		
91	TM	1,2,4-Trimethylbenzene	0.9425	0.9649	2.4	TM		
92	TM	Sec-Butylbenzene	1.051	1.103	5.0	TM		
93	TM	p-Isopropyltoluene	1.016	1.032	1.6	TM		
94	TM	Benzyl Chloride	0.2406	0.1893	21	TM		*NT
95	TM	1,3-DCB	0.6644	0.6525	1.8	TM		
96	TM	1,4-DCB	0.6767	0.6619	2.2	TM		
97	TML	n-Butylbenzene	0.5721	0.6095	6.5	TML	9.7	
98	TM	1,2-DCB	0.6504	0.6278	3.5	TM		
99	TM	Hexachloroethane	0.1703	0.1831	7.5	TM		
100	TML	1,2-Dibromo-3-chloropropane	0.0437	0.0469	7.2	TML	16	
101	TML	1,2,4-Trichlorobenzene	0.1936	0.2153	11	TML	14	
102	TML	Hexachlorobutadiene	0.2401	0.2444	1.8	TML	11	
103	TMQ	Naphthalene	0.4088	0.3833	6.2	TMQ	17	
104	TML	1,2,3-Trichlorobenzene	0.2371	0.2671	13	TML	16	
105								
106								
107								
108								
109								
110								
111								
112								
113								
114								
115								
116								
117								
118								
119								
120								
		Average			5.4			

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211015\1026M25.D Vial: 25
Acq On : 26 Oct 21 20:30 Operator: LP,DG,CH
Sample : 211026B CCV 10ug/L Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 27 7:38 2021 Quant Results File: M1015W.RES

Quant Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 14:01:48 2021
Response via : Initial Calibration
DataAcq Meth : M8260

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene (IS)	6.37	96	386002	25.00	ppb		0.03
65) Chlorobenzene-D5 (IS)	9.53	117	343919	25.00	ppb		0.03
80) 1,4-Dichlorobenzene-D (IS)	11.85	152	227821	25.00	ppb		0.03
System Monitoring Compounds							
41) Dibromofluoromethane(S)	5.59	111	125304	26.14	ppb		0.03
Spiked Amount 25.000			Recovery =	104.552%			
46) 1,2-DCA-D4(S)	5.98	65	83312	24.92	ppb		0.03
Spiked Amount 25.000			Recovery =	99.664%			
66) Toluene-D8(S)	8.08	98	402827	25.48	ppb		0.03
Spiked Amount 25.000			Recovery =	101.936%			
74) 4-Bromofluorobenzene(S)	10.70	95	163778	25.65	ppb		0.03
Spiked Amount 25.000			Recovery =	102.612%			
Target Compounds							Qvalue
3) Dichlorodifluoromethane	1.20	85	19464	8.42	ppb		98
4) Freon 114	1.30	85	14390	11.11	ppb		77
5) Chloromethane	1.34	50	11611	8.42	ppb		88
6) Vinyl chloride	1.43	62	13093	7.70	ppb		100
8) Bromomethane	1.69	94	13667	9.51	ppb		94
9) Chloroethane	1.79	64	9886	9.09	ppb		98
10) Dichlorofluoromethane	1.99	67	36624	9.82	ppb		92
11) Trichlorofluoromethane	2.02	101	40714	9.13	ppb		95
13) Acrolein	2.46	56	22939	106.35	ppb		96
14) Acetone	2.63	43	23346	46.39	ppb		93
15) Freon-113	2.56	151	18114	9.98	ppb		96
16) Acetonitrile	2.96	41	14889	124.49	ppb		92
18) 1,2-Dichlorotrifluoroethan	1.99	67	36624	9.82	ppb		100
19) 1,1-DCE	2.53	61	26715	9.88	ppb		92
20) t-Butanol	3.37	59	20764	133.44	ppb		94
21) Methyl Acetate	3.02	43	7535	8.90	ppb		88
22) Iodomethane	2.68	142	14870	8.17	ppb		98
23) Acrylonitrile	3.46	53	4761	10.00	ppb		93
25) Methylene chloride	3.11	84	16655	9.55	ppb		96
26) Carbon disulfide	2.74	76	21032	9.57	ppb		96
27) Methyl t-butyl ether (MtBE	3.50	73	55621	9.56	ppb		95
28) Trans-1,2-DCE	3.47	96	17905	9.50	ppb		90
29) 3-Methylpentane	3.50	57	10514	10.71	ppb		99
31) Diisopropyl Ether	4.28	45	37552	10.35	ppb		99
32) 1,1-DCA	4.10	63	28635	10.13	ppb	#	94
34) Ethyl tert Butyl Ether	4.80	59	46342	9.94	ppb		99
35) Methylcyclopentane	4.77	56	152	-0.55	ppb		100

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

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211015\1026M25.D Vial: 25
Acq On : 26 Oct 21 20:30 Operator: LP,DG,CH
Sample : 211026B CCV 10ug/L Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 27 7:38 2021 Quant Results File: M1015W.RES

Quant Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 14:01:48 2021
Response via : Initial Calibration
DataAcq Meth : M8260

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
36)	MEK (2-Butanone)	5.02	43	26949	51.22	ppb	#	90
37)	Cis-1,2-DCE	4.95	96	19705	9.44	ppb		97
38)	2,2-Dichloropropane	4.93	77	32994	9.10	ppb		98
39)	Chloroform	5.39	83	39095	10.65	ppb		86
40)	Bromochloromethane	5.25	130	15194	9.27	ppb		92
42)	1,1,1-TCA	5.57	97	44364	10.29	ppb		90
43)	Cyclohexane	5.62	41	12836	10.41	ppb	#	75
44)	1,1-Dichloropropene	5.79	75	22986	9.83	ppb		96
45)	2,2,4-Trimethylpentane	6.15	57	29028	9.57	ppb		86
47)	Carbon Tetrachloride	5.77	117	40570	10.01	ppb		90
48)	Tert Amyl Methyl Ether	6.22	73	43951	9.56	ppb		98
49)	1,2-DCA	6.07	62	35268	9.72	ppb		98
50)	Benzene	6.03	78	63603	9.40	ppb		99
51)	TCE	6.78	95	19974	9.22	ppb		81
52)	2-Pentanone	7.04	43	110476	125.61	ppb		96
53)	1,2-Dichloropropane	7.03	63	7270	9.66	ppb		94
54)	Bromodichloromethane	7.34	83	30118	9.91	ppb		100
55)	Methyl Cyclohexane	6.97	83	21880	9.40	ppb		77
56)	Dibromomethane	7.15	93	11854	8.97	ppb		93
57)	MIBK (methyl isobutyl ket	8.01	43	57899	51.47	ppb		97
58)	1-Bromo-2-chloroethane	7.65	144	3990	9.39	ppb	#	69
60)	Cis-1,3-Dichloropropene	7.82	75	27060	9.94	ppb		94
61)	Toluene	8.14	91	74751	9.55	ppb		95
62)	Trans-1,3-Dichloropropene	8.40	75	25875	9.58	ppb		100
63)	1,1,2-TCA	8.58	83	11165	9.20	ppb		87
64)	2-Hexanone	8.86	43	38950	51.20	ppb		89
67)	1,2-EDB	9.06	107	16589	9.14	ppb		96
68)	Tetrachloroethene	8.69	164	14944	8.08	ppb		90
69)	1-Chlorohexane	9.56	91	11399	8.35	ppb		97
70)	1,1,1,2-Tetrachloroethane	9.65	131	27800	10.87	ppb		96
71)	m&p-Xylene	9.79	106	79546	20.46	ppb		95
72)	o-Xylene	10.19	106	38623	9.47	ppb		90
73)	Styrene	10.20	104	61999	10.10	ppb		96
75)	1,3-Dichloropropane	8.74	76	25465	9.54	ppb		89
76)	Dibromochloromethane	8.96	129	26213	9.82	ppb		97
77)	Chlorobenzene	9.56	112	59728	10.02	ppb		91
78)	Ethylbenzene	9.68	91	94597	10.02	ppb		99
79)	Bromoform	10.37	173	21361	9.64	ppb		90
81)	Isopropylbenzene	10.56	105	104145	9.80	ppb		98
82)	1,1,2,2-Tetrachloroethane	10.87	83	16957	9.30	ppb	#	94
83)	1,2,3-Trichloropropane	10.90	110	8957	9.83	ppb		90
84)	t-1,4-Dichloro-2-Butene	10.93	53	4864	10.48	ppb	#	54

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

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211015\1026M25.D Vial: 25
Acq On : 26 Oct 21 20:30 Operator: LP,DG,CH
Sample : 211026B CCV 10ug/L Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 27 7:38 2021 Quant Results File: M1015W.RES

Quant Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 14:01:48 2021
Response via : Initial Calibration
DataAcq Meth : M8260

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
85)	Bromobenzene	10.84	156	33801	9.72	ppb		91
86)	n-Propylbenzene	10.97	91	102142	9.73	ppb		93
87)	4-Ethyltoluene	11.08	105	97233	10.04	ppb		92
88)	2-Chlorotoluene	11.04	91	81407	9.79	ppb		93
89)	1,3,5-Trimethylbenzene	11.14	105	91867	10.13	ppb		98
90)	4-Chlorotoluene	11.15	91	79568	9.63	ppb		97
91)	Tert-Butylbenzene	11.47	119	53208	10.63	ppb		97
92)	1,2,4-Trimethylbenzene	11.51	105	87930	10.24	ppb		94
93)	Sec-Butylbenzene	11.68	105	100516	10.50	ppb		94
94)	p-Isopropyltoluene	11.83	119	94043	10.16	ppb		99
95)	Benzyl Chloride	12.01	91	17253	7.87	ppb		99
96)	1,3-DCB	11.78	146	59463	9.82	ppb		98
97)	1,4-DCB	11.87	146	60321	9.78	ppb		94
98)	n-Butylbenzene	12.24	91	55543	9.03	ppb		98
99)	1,2-DCB	12.24	146	57208	9.65	ppb		98
100)	Hexachloroethane	12.48	117	16682	10.75	ppb		91
101)	1,2-Dibromo-3-chloropropan	13.02	75	4271	8.42	ppb	#	87
102)	1,2,4-Trichlorobenzene	13.84	180	19616	8.56	ppb		86
103)	Hexachlorobutadiene	14.02	225	22274	8.90	ppb		94
104)	Naphthalene	14.08	128	34929	8.29	ppb	#	92
105)	1,2,3-Trichlorobenzene	14.32	180	24336	8.37	ppb		85

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

Quantitation Report

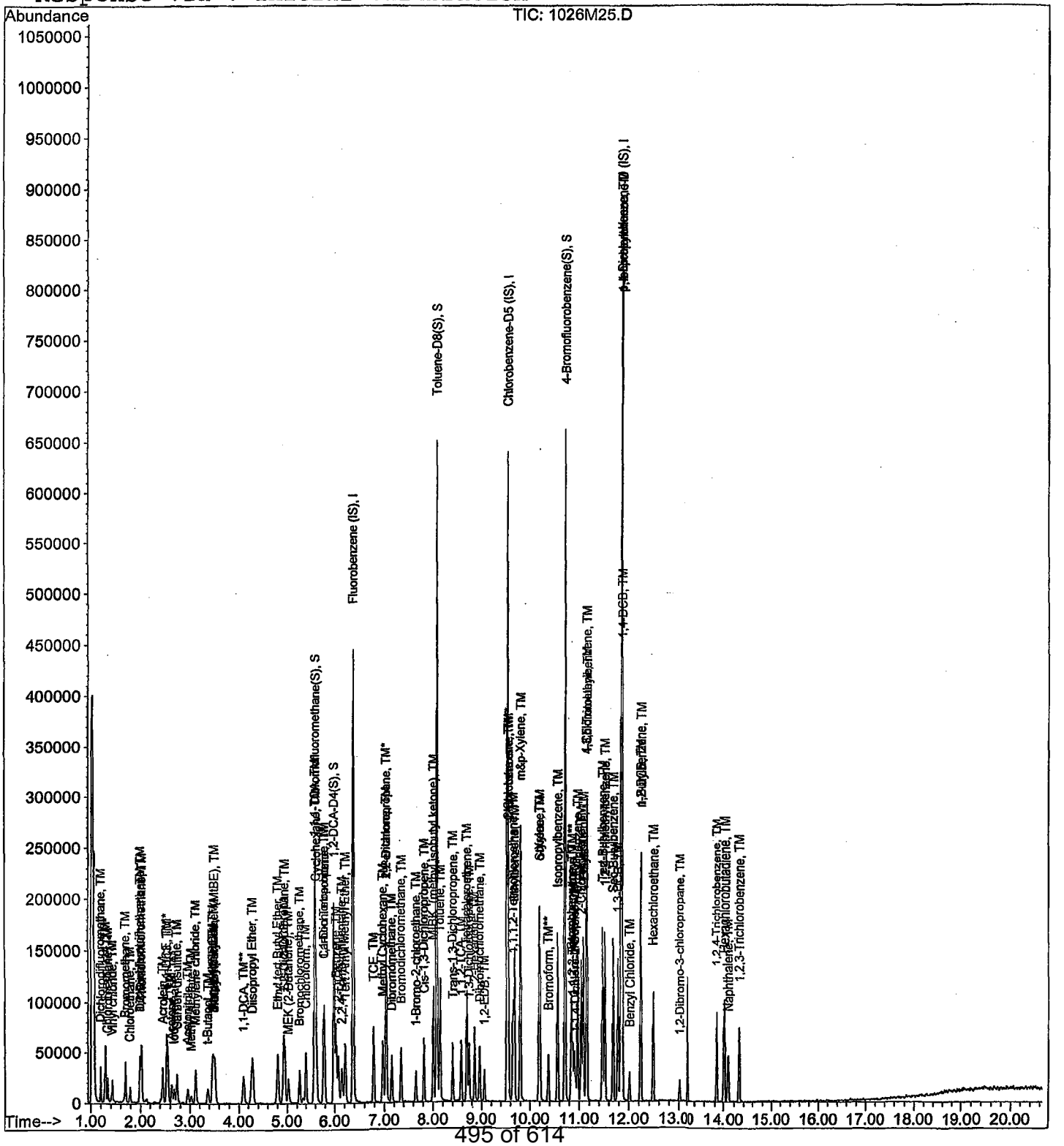
Data File : M:\MAX\DATA\211015\1026M25.D
Acq On : 26 Oct 21 20:30
Sample : 211026B CCV 10ug/L
Misc : IS&S 8/4/21

Vial: 25
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Oct 27 7:38 2021

Quant Results File: M1015W.RES

Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 14:01:48 2021
Response via : Initial Calibration



VOLATILE ORGANIC ANALYSIS BY
EPA METHOD 8260B

Form 7

Ending Continuing Calibration

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

SDG No:
Date Analyzed: 10/27/2021
Instrument: Max
Initial Cal. Date: 10/15/2021
Data File: 1026M45.D

		Compound	MEAN	CCRF	%D		%Drift
1	I	Fluorobenzene (IS)	ISTD			I	
2	TM	Chlorotrifluoroethene	0.0000	0.0154	0.00	TM	
3	TM	Dichlorodifluoromethane	0.1497	0.1189	21	TM	
4	TM	Freon 114	0.0839	0.0852	1.6	TM	
5	TM**	Chloromethane	0.0893	0.0782	12	TM**	
6	TM*	Vinyl chloride	0.1101	0.0869	21	TM*	
7	TM	2-Chloro-1,1,1-trifluoroethane	0.0000	0.0029	0.00	TM	
8	TM	Bromomethane	0.0931	0.0867	6.8	TM	
9	TML	Chloroethane	0.0844	0.0558	34	TML	19
10	TM	Dichlorofluoromethane	0.2416	0.2278	5.7	TM	
11	TM	Trichlorofluoromethane	0.2889	0.2462	15	TM	
12	TMQ	Acrolein	0.0145	0.0102	29	TMQ	27
13	TM	Acetone	0.0326	0.0266	18	TM	
14	TM	Freon-113	0.1176	0.1228	4.4	TM	
15	TM	Acetonitrile	0.0077	0.0071	8.7	TM	
16	TML	2-propanol	0.0000	0.0009	0.00	TML	
17	TM	1,2-Dichlorotrifluoroethane	0.2416	0.2278	5.7	TM	
18	TM*	1,1-DCE	0.1751	0.1633	6.7	TM*	
19	TMQ	t-Butanol	0.0101	0.0105	3.2	TMQ	3.4
20	TMQ	Methyl Acetate	0.0528	0.0490	7.3	TMQ	11
21	TML	Iodomethane	0.1096	0.1089	0.63	TML	9.2
22	TML	Acrylonitrile	0.0252	0.0294	17	TML	4.8
23	TM	2-Methylpentane	0.0000	0.0003	0.00	TM	
24	TM	Methylene chloride	0.1130	0.1198	6.0	TM	
25	TM	Carbon disulfide	0.1424	0.1378	3.3	TM	
26	TM	Methyl t-butyl ether (MtBE)	0.3769	0.3545	5.9	TM	
27	TM	Trans-1,2-DCE	0.1221	0.1037	15	TM	
28	TML	3-Methylpentane	0.0702	0.0601	14	TML	6.0
29	TM	Hexane	0.0000	0.0001	0.00	TM	
30	TM	Diisopropyl Ether	0.2351	0.2526	7.4	TM	
31	TM**	1,1-DCA	0.1831	0.1896	3.5	TM**	
32	TM	Ethyl tert Butyl Ether	0.3021	0.3159	4.6	TM	
33	TML	Methylcyclopentane	0.0160	0.0115	28	TML	13
34	TM	MEK (2-Butanone)	0.0341	0.0315	7.5	TM	
35	TM	Cis-1,2-DCE	0.1352	0.1316	2.6	TM	
36	TM	2,2-Dichloropropane	0.2349	0.1745	26	TM	
37	TM*	Chloroform	0.2377	0.2623	10	TM*	
38	TML	Bromochloromethane	0.1040	0.0980	5.7	TML	7.7
39	S	Dibromofluoromethane(S)	0.3105	0.3192	2.8	S	
40	TM	1,1,1-TCA	0.2791	0.2862	2.5	TM	
		Average			9.3		

VOLATILE ORGANIC ANALYSIS BY
EPA METHOD 8260B

Form 7

Ending Continuing Calibration

Lab Name: APPL, Inc. SDG No:
Case No: Date Analyzed: 10/27/2021
Matrix: Water Instrument: Max
Cal. Date: 10/15/2021
Data File: 1026M45.D

		Compound	MEAN	CCRF	%D		%Drift
41	TM	Cyclohexane	0.0798	0.0810	1.4	TM	
42	TM	1,1-Dichloropropene	0.1514	0.1610	6.3	TM	
43	TM	2,2,4-Trimethylpentane	0.1964	0.1759	10	TM	
44	S	1,2-DCA-D4(S)	0.2166	0.2176	0.49	S	
45	TM	Carbon Tetrachloride	0.2625	0.2521	3.9	TM	
46	TM	Tert Amyl Methyl Ether	0.2978	0.2948	1.0	TM	
47	TM	1,2-DCA	0.2350	0.2280	3.0	TM	
48	TM	Benzene	0.4384	0.4232	3.5	TM	
49	TM	TCE	0.1404	0.1384	1.4	TM	
50	TM	2-Pentanone	0.0570	0.0541	5.1	TM	
51	TM*L	1,2-Dichloropropane	0.0476	0.0524	10	TM*L	8.0
52	TM	Bromodichloromethane	0.1968	0.2084	5.9	TM	
53	TML	Methyl Cyclohexane	0.1542	0.1450	5.9	TML	3.9
54	TM	Dibromomethane	0.0856	0.0756	12	TM	
55	TM	MIBK (methyl isobutyl ketone)	0.0729	0.0701	3.7	TM	
56	TML	1-Bromo-2-chloroethane	0.0245	0.0267	9.1	TML	2.9
57	TM	2-Chloroethyl vinyl ether	0.0000	0.0000	0.00	TM	
58	TM	Cis-1,3-Dichloropropene	0.1763	0.1768	0.28	TM	
59	TM*	Toluene	0.5070	0.5036	0.66	TM*	
60	TM	Trans-1,3-Dichloropropene	0.1749	0.1755	0.36	TM	
61	TM	1,1,2-TCA	0.0786	0.0771	1.9	TM	
62	TM	2-Hexanone	0.0493	0.0459	6.7	TM	
63	I	Chlorobenzene-D5 (IS)	ISTD			I	
64	S	Toluene-D8(S)	1.149	1.159	0.83	S	
65	TM	1,2-EDB	0.1319	0.1236	6.3	TM	
66	TML	Tetrachloroethene	0.2207	0.1250	43	TML	4.8
67	TM	1-Chlorohexane	0.0992	0.0980	1.3	TM	
68	TM	1,1,1,2-Tetrachloroethane	0.1860	0.1957	5.2	TM	
69	TM	m&p-Xylene	0.2826	0.2930	3.7	TM	
70	TM	o-Xylene	0.2964	0.2859	3.5	TM	
71	TM	Styrene	0.4463	0.4515	1.2	TM	
72	S	4-Bromofluorobenzene(S)	0.4641	0.4666	0.54	S	
73	TM	1,3-Dichloropropane	0.1940	0.1852	4.5	TM	
74	TM	Dibromochloromethane	0.1941	0.1901	2.0	TM	
75	TM**	Chlorobenzene	0.4334	0.4401	1.6	TM**	
76	TM*	Ethylbenzene	0.6860	0.6813	0.68	TM*	
77	TM**	Bromoform	0.1611	0.1526	5.3	TM**	
78	I	1,4-Dichlorobenzene-D (IS)	ISTD			I	
79	TM	Isopropylbenzene	1.166	1.163	0.26	TM	
80	TM**	1,1,2,2-Tetrachloroethane	0.2001	0.1823	8.9	TM**	
		Average			4.8		

VOLATILE ORGANIC ANALYSIS BY
EPA METHOD 8260B

Form 7

Ending Continuing Calibration

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

SDG No:
Date Analyzed: 10/27/2021
Instrument: Max
Cal. Date: 10/15/2021
Data File: 1026M45.D

		Compound	MEAN	CCRF	%D		%Drift
81	TM	1,2,3-Trichloropropane	0.1000	0.0918	8.2	TM	
82	TML	t-1,4-Dichloro-2-Butene	0.0601	0.0444	26	TML	12
83	TM	Bromobenzene	0.3816	0.3844	0.73	TM	
84	TM	n-Propylbenzene	1.151	1.195	3.7	TM	
85	TM	4-Ethyltoluene	1.063	1.111	4.5	TM	
86	TM	2-Chlorotoluene	0.9129	0.8979	1.6	TM	
87	TM	1,3,5-Trimethylbenzene	0.9948	0.9968	0.20	TM	
88	TM	4-Chlorotoluene	0.9068	0.9134	0.73	TM	
89	TM	Tert-Butylbenzene	0.5492	0.5888	7.2	TM	
90	TM	1,2,4-Trimethylbenzene	0.9425	1.010	7.1	TM	
91	TM	Sec-Butylbenzene	1.051	1.135	8.0	TM	
92	TM	p-Isopropyltoluene	1.016	1.081	6.4	TM	
93	TM	Benzyl Chloride	0.2406	0.1364	43	TM	
94	TM	1,3-DCB	0.6644	0.6828	2.8	TM	
95	TM	1,4-DCB	0.6767	0.6827	0.89	TM	
96	TML	n-Butylbenzene	0.5721	0.5954	4.1	TML	12
97	TM	1,2-DCB	0.6504	0.6446	0.89	TM	
98	TM	Hexachloroethane	0.1703	0.1708	0.31	TM	
99	TML	1,2-Dibromo-3-chloropropane	0.0437	0.0445	1.7	TML	20
100	TML	1,2,4-Trichlorobenzene	0.1936	0.1929	0.38	TML	21
101	TML	Hexachlorobutadiene	0.2401	0.2387	0.58	TML	13
102	TMQ	Naphthalene	0.4088	0.3791	7.3	TMQ	18
103	TML	1,2,3-Trichlorobenzene	0.2371	0.2631	11	TML	17
104							
105							
106							
107							
108							
109							
110							
111							
112							
113							
114							
115							
116							
117							
118							
119							
120							
		Average			6.4		

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211015\1026M45.D Vial: 45
Acq On : 27 Oct 21 5:55 Operator: LP,DG,CH
Sample : Ending CCV 10ug/L 10/26/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 27 7:38 2021 Quant Results File: M1015W.RES

Quant Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 14:01:48 2021
Response via : Initial Calibration
DataAcq Meth : M8260

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene (IS)	6.37	96	387172	25.00	ppb		0.03
65) Chlorobenzene-D5 (IS)	9.52	117	351019	25.00	ppb		0.03
80) 1,4-Dichlorobenzene-D (IS)	11.84	152	224090	25.00	ppb		0.02
System Monitoring Compounds							
41) Dibromofluoromethane(S)	5.59	111	123594	25.70	ppb		0.03
Spiked Amount 25.000			Recovery =	102.812%			
46) 1,2-DCA-D4(S)	5.98	65	84256	25.12	ppb		0.03
Spiked Amount 25.000			Recovery =	100.488%			
66) Toluene-D8(S)	8.08	98	406676	25.21	ppb		0.03
Spiked Amount 25.000			Recovery =	100.828%			
74) 4-Bromofluorobenzene(S)	10.70	95	163775	25.13	ppb		0.02
Spiked Amount 25.000			Recovery =	100.536%			
Target Compounds							Qvalue
3) Dichlorodifluoromethane	1.19	85	18416	7.94	ppb		98
4) Freon 114	1.30	85	13197	10.16	ppb		86
5) Chloromethane	1.34	50	12114	8.76	ppb		99
6) Vinyl chloride	1.43	62	13451	7.89	ppb		100
8) Bromomethane	1.69	94	13434	9.32	ppb		95
9) Chloroethane	1.79	64	8643	8.07	ppb		96
10) Dichlorofluoromethane	1.99	67	35275	9.43	ppb		98
11) Trichlorofluoromethane	2.02	101	38134	8.52	ppb		90
13) Acrolein	2.45	56	19792	91.65	ppb		96
14) Acetone	2.63	43	20595	40.80	ppb		95
15) Freon-113	2.55	151	19016	10.44	ppb		89
16) Acetonitrile	2.95	41	13697	114.18	ppb		90
18) 1,2-Dichlorotrifluoroethan	1.99	67	35275	9.43	ppb		100
19) 1,1-DCE	2.53	61	25296	9.33	ppb		92
20) t-Butanol	3.36	59	20240	129.25	ppb		94
21) Methyl Acetate	3.02	43	7582	8.93	ppb		99
22) Iodomethane	2.68	142	16869	9.08	ppb		97
23) Acrylonitrile	3.47	53	4550	9.52	ppb	#	58
25) Methylene chloride	3.11	84	18553	10.60	ppb		87
26) Carbon disulfide	2.73	76	21336	9.67	ppb		95
27) Methyl t-butyl ether (MtBE	3.50	73	54908	9.41	ppb		95
28) Trans-1,2-DCE	3.46	96	16061	8.50	ppb		93
29) 3-Methylpentane	3.50	57	9313	9.40	ppb		90
31) Diisopropyl Ether	4.27	45	39113	10.74	ppb		98
32) 1,1-DCA	4.09	63	29360	10.35	ppb	#	92
34) Ethyl tert Butyl Ether	4.80	59	48925	10.46	ppb		92
35) Methylcyclopentane	4.79	56	1776	8.65	ppb		100

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

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211015\1026M45.D Vial: 45
Acq On : 27 Oct 21 5:55 Operator: LP,DG,CH
Sample : Ending CCV 10ug/L 10/26/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 27 7:38 2021 Quant Results File: M1015W.RES

Quant Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 14:01:48 2021
Response via : Initial Calibration
DataAcq Meth : M8260

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
36)	MEK (2-Butanone)	5.02	43	24415	46.26	ppb		91
37)	Cis-1,2-DCE	4.94	96	20386	9.74	ppb		97
38)	2,2-Dichloropropane	4.93	77	27018	7.43	ppb	#	86
39)	Chloroform	5.39	83	40623	11.04	ppb		98
40)	Bromochloromethane	5.25	130	15179	9.23	ppb	#	84
42)	1,1,1-TCA	5.57	97	44321	10.25	ppb		94
43)	Cyclohexane	5.61	41	12538	10.14	ppb		82
44)	1,1-Dichloropropene	5.78	75	24928	10.63	ppb		93
45)	2,2,4-Trimethylpentane	6.15	57	27244	8.96	ppb		85
47)	Carbon Tetrachloride	5.77	117	39049	9.61	ppb		84
48)	Tert Amyl Methyl Ether	6.22	73	45650	9.90	ppb		98
49)	1,2-DCA	6.07	62	35306	9.70	ppb	#	92
50)	Benzene	6.02	78	65536	9.65	ppb		96
51)	TCE	6.78	95	21430	9.86	ppb	#	83
52)	2-Pentanone	7.03	43	104696	118.68	ppb		98
53)	1,2-Dichloropropane	7.02	63	8121	10.80	ppb		97
54)	Bromodichloromethane	7.34	83	32272	10.59	ppb		93
55)	Methyl Cyclohexane	6.97	83	22460	9.61	ppb		87
56)	Dibromomethane	7.15	93	11712	8.83	ppb		93
57)	MIBK (methyl isobutyl ket	8.00	43	54297	48.13	ppb		97
58)	1-Bromo-2-chloroethane	7.65	144	4142	9.71	ppb		86
60)	Cis-1,3-Dichloropropene	7.81	75	27386	10.03	ppb		90
61)	Toluene	8.14	91	77994	9.93	ppb		97
62)	Trans-1,3-Dichloropropene	8.39	75	27178	10.04	ppb		99
63)	1,1,2-TCA	8.57	83	11941	9.81	ppb		93
64)	2-Hexanone	8.85	43	35577	46.63	ppb		95
67)	1,2-EDB	9.05	107	17359	9.37	ppb		88
68)	Tetrachloroethene	8.69	164	17552	9.52	ppb		84
69)	1-Chlorohexane	9.55	91	13753	9.87	ppb		91
70)	1,1,1,2-Tetrachloroethane	9.64	131	27480	10.52	ppb		96
71)	m&p-Xylene	9.79	106	82282	20.74	ppb		98
72)	o-Xylene	10.18	106	40139	9.65	ppb		94
73)	Styrene	10.20	104	63387	10.12	ppb	#	96
75)	1,3-Dichloropropane	8.73	76	25999	9.55	ppb		98
76)	Dibromochloromethane	8.96	129	26693	9.80	ppb		97
77)	Chlorobenzene	9.55	112	61798	10.16	ppb		99
78)	Ethylbenzene	9.67	91	95663	9.93	ppb		95
79)	Bromoform	10.37	173	21423	9.47	ppb		99
81)	Isopropylbenzene	10.55	105	104225	9.97	ppb		96
82)	1,1,2,2-Tetrachloroethane	10.87	83	16338	9.11	ppb		96
83)	1,2,3-Trichloropropane	10.89	110	8233	9.18	ppb		87
84)	t-1,4-Dichloro-2-Butene	10.92	53	3982	8.76	ppb	#	54

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

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211015\1026M45.D Vial: 45
Acq On : 27 Oct 21 5:55 Operator: LP,DG,CH
Sample : Ending CCV 10ug/L 10/26/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 27 7:38 2021 Quant Results File: M1015W.RES

Quant Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 14:01:48 2021
Response via : Initial Calibration
DataAcq Meth : M8260

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
85)	Bromobenzene	10.84	156	34459	10.07 ppb	97
86)	n-Propylbenzene	10.97	91	107071	10.37 ppb	96
87)	4-Ethyltoluene	11.08	105	99548	10.45 ppb	97
88)	2-Chlorotoluene	11.04	91	80484	9.84 ppb	93
89)	1,3,5-Trimethylbenzene	11.14	105	89346	10.02 ppb	97
90)	4-Chlorotoluene	11.15	91	81873	10.07 ppb	97
91)	Tert-Butylbenzene	11.46	119	52776	10.72 ppb	100
92)	1,2,4-Trimethylbenzene	11.51	105	90510	10.71 ppb	100
93)	Sec-Butylbenzene	11.68	105	101730	10.80 ppb	98
94)	p-Isopropyltoluene	11.83	119	96922	10.64 ppb	100
95)	Benzyl Chloride	12.01	91	12223	5.67 ppb	96
96)	1,3-DCB	11.78	146	61205	10.28 ppb	98
97)	1,4-DCB	11.87	146	61196	10.09 ppb	94
98)	n-Butylbenzene	12.24	91	53372	8.85 ppb	98
99)	1,2-DCB	12.23	146	57780	9.91 ppb	99
100)	Hexachloroethane	12.48	117	15309	10.03 ppb	90
101)	1,2-Dibromo-3-chloropropan	13.02	75	3985	8.04 ppb	90
102)	1,2,4-Trichlorobenzene	13.83	180	17288	7.90 ppb	94
103)	Hexachlorobutadiene	14.01	225	21400	8.72 ppb	95
104)	Naphthalene	14.08	128	33985	8.21 ppb	97
105)	1,2,3-Trichlorobenzene	14.32	180	23587	8.28 ppb	91

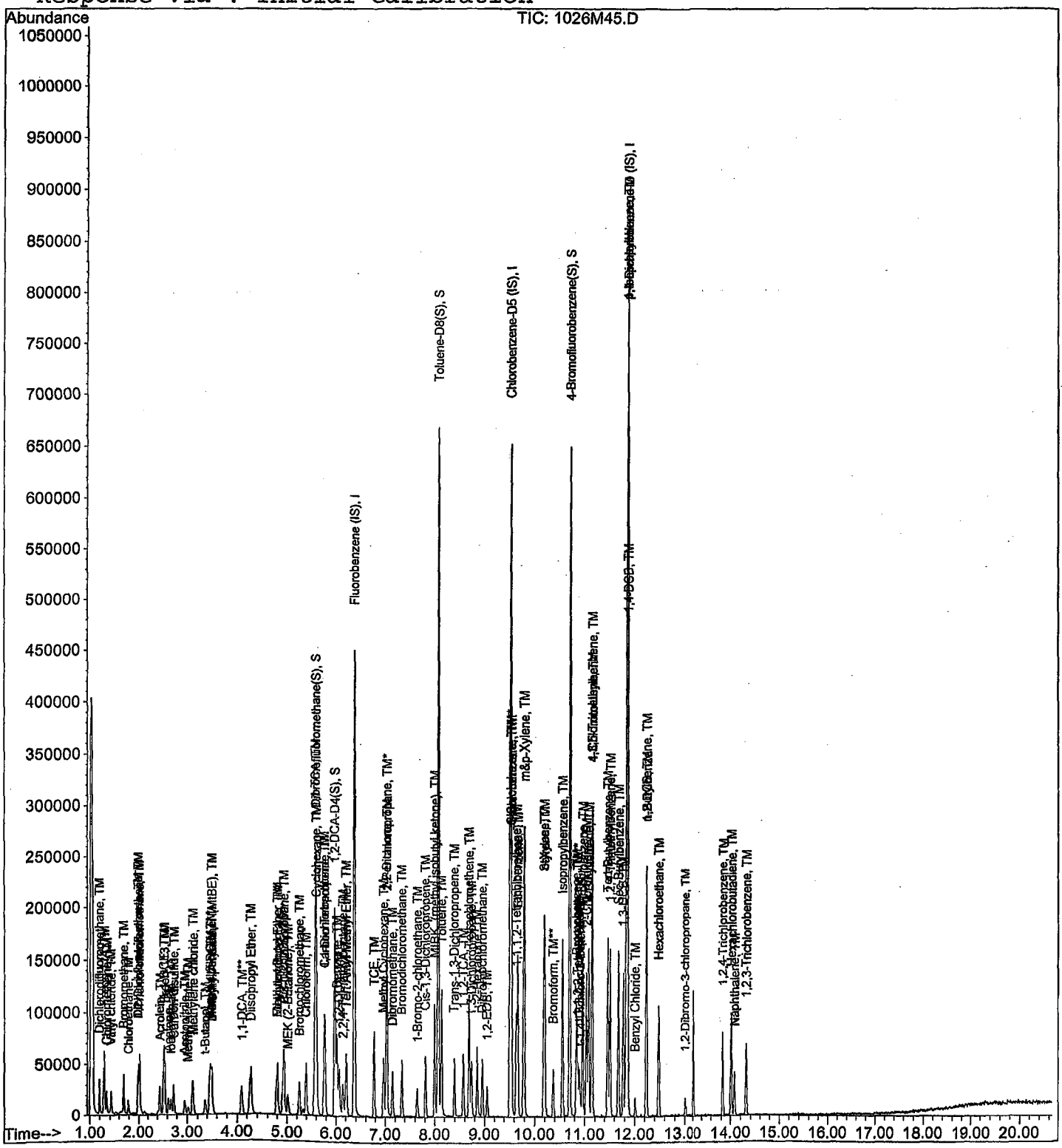
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\MAX\DATA\211015\1026M45.D Vial: 45
Acq On : 27 Oct 21 5:55 Operator: LP,DG,CH
Sample : Ending CCV 10ug/L 10/26/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 27 7:38 2021 Quant Results File: M1015W.RES

Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 14:01:48 2021
Response via : Initial Calibration



ORGANICS
Raw Data

Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\211015\1026M37.D Vial: 37
Acq On : 27 Oct 21 2:09 Operator: LP,DG,CH
Sample : BA44047W01 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 27 11:12 2021 Quant Results File: M1015W.RES

Quant Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 14:01:48 2021
Response via : Initial Calibration
DataAcq Meth : M8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.37	96	370854	25.00	ppb	0.03
65) Chlorobenzene-D5 (IS)	9.53	117	328826	25.00	ppb	0.03
80) 1,4-Dichlorobenzene-D (IS)	11.85	152	207629	25.00	ppb	0.03
System Monitoring Compounds						
41) Dibromofluoromethane(S)	5.59	111	116537	25.30	ppb	0.03
Spiked Amount 25.000			Recovery =	101.208%		
46) 1,2-DCA-D4(S)	5.98	65	82552	25.70	ppb	0.03
Spiked Amount 25.000			Recovery =	102.788%		
66) Toluene-D8(S)	8.08	98	382911	25.34	ppb	0.03
Spiked Amount 25.000			Recovery =	101.344%		
74) 4-Bromofluorobenzene(S)	10.70	95	149923	24.56	ppb	0.03
Spiked Amount 25.000			Recovery =	98.244%		

Target Compounds Qvalue

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

Quantitation Report

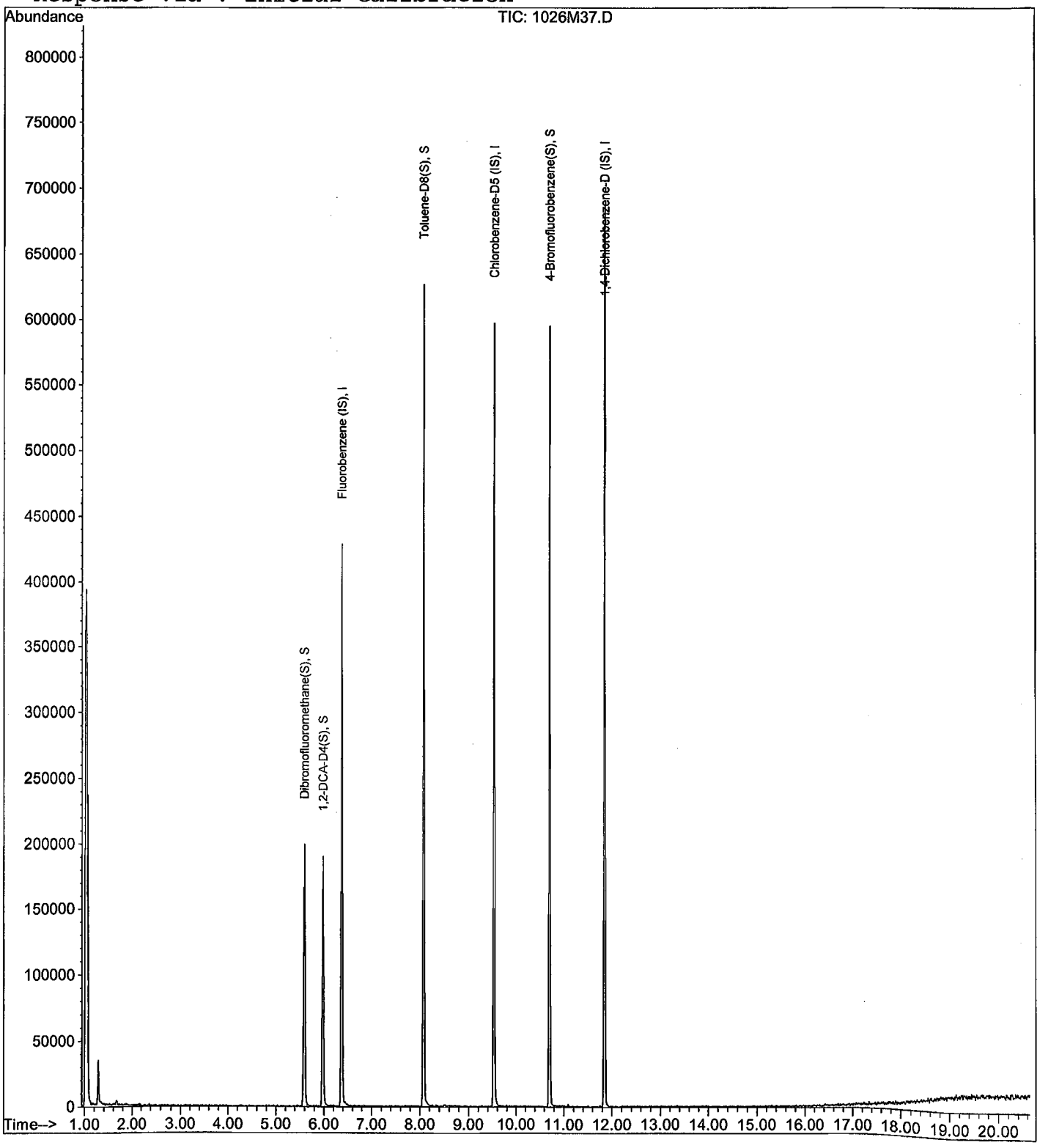
Data File : M:\MAX\DATA\211015\1026M37.D
Acq On : 27 Oct 21 2:09
Sample : BA44047W01
Misc : IS&S 8/4/21

Vial: 37
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Oct 27 11:12 2021

Quant Results File: M1015W.RES

Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 14:01:48 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\211015\1026M38.D Vial: 38
Acq On : 27 Oct 21 2:37 Operator: LP,DG,CH
Sample : BA44048W01 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 27 11:13 2021 Quant Results File: M1015W.RES

Quant Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 14:01:48 2021
Response via : Initial Calibration
DataAcq Meth : M8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.37	96	390835	25.00	ppb	0.03
65) Chlorobenzene-D5 (IS)	9.52	117	343456	25.00	ppb	0.03
80) 1,4-Dichlorobenzene-D (IS)	11.85	152	207230	25.00	ppb	0.03
System Monitoring Compounds						
41) Dibromofluoromethane(S)	5.59	111	123199	25.38	ppb	0.03
Spiked Amount 25.000			Recovery = 101.524%			
46) 1,2-DCA-D4(S)	5.98	65	81368	24.03	ppb	0.03
Spiked Amount 25.000			Recovery = 96.136%			
66) Toluene-D8(S)	8.08	98	390747	24.75	ppb	0.03
Spiked Amount 25.000			Recovery = 99.012%			
74) 4-Bromofluorobenzene(S)	10.70	95	151288	23.73	ppb	0.03
Spiked Amount 25.000			Recovery = 94.916%			

Target Compounds Qvalue

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

Quantitation Report

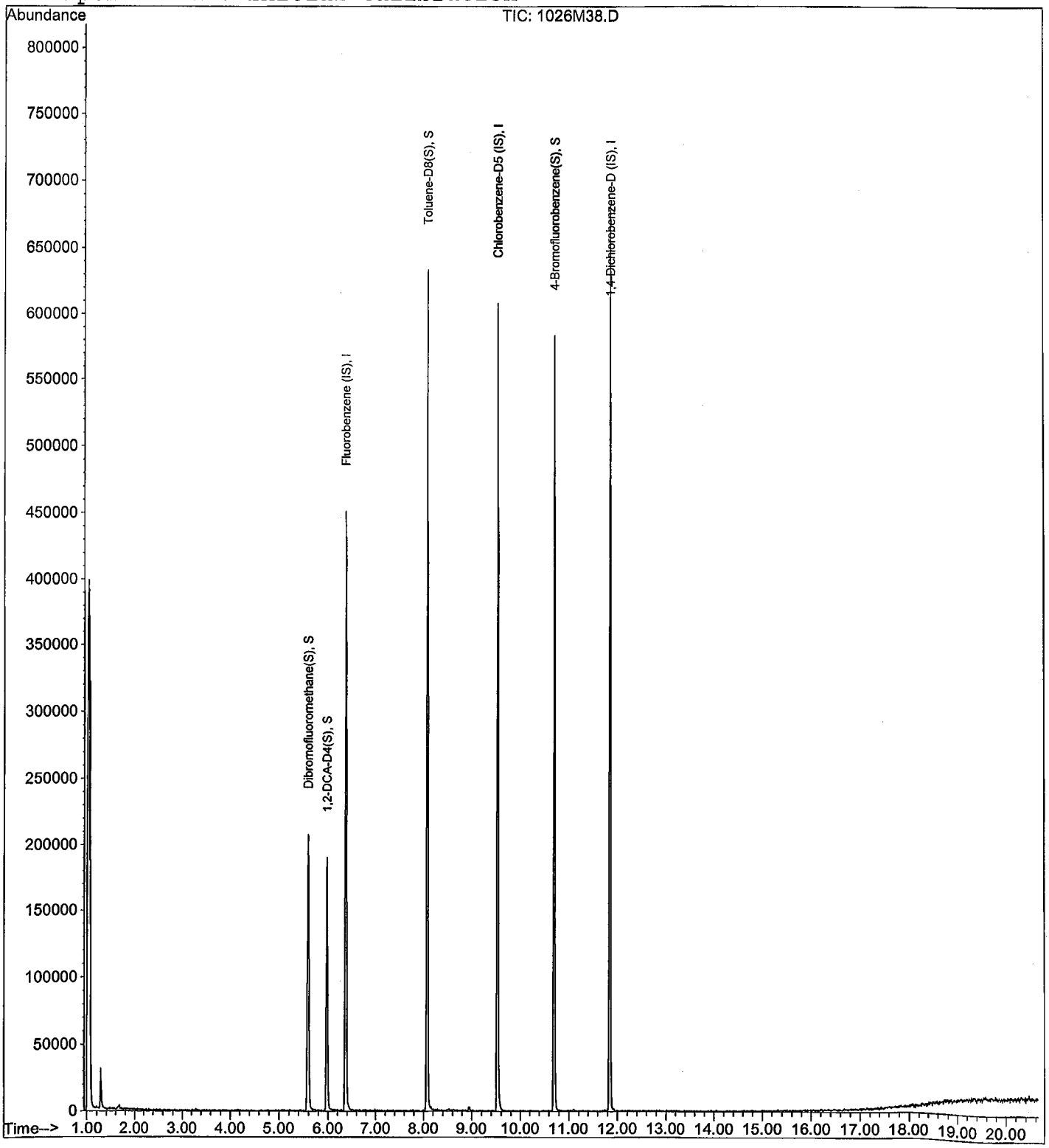
Data File : M:\MAX\DATA\211015\1026M38.D
Acq On : 27 Oct 21 2:37
Sample : BA44048W01
Misc : IS&S 8/4/21

Vial: 38
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Oct 27 11:13 2021

Quant Results File: M1015W.RES

Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 14:01:48 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\211015\1026M39.D Vial: 39
Acq On : 27 Oct 21 3:06 Operator: LP,DG,CH
Sample : BA44049W01 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 27 11:14 2021 Quant Results File: M1015W.RES

Quant Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 14:01:48 2021
Response via : Initial Calibration
DataAcq Meth : M8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.37	96	389006	25.00	ppb	0.03
65) Chlorobenzene-D5 (IS)	9.52	117	338854	25.00	ppb	0.03
80) 1,4-Dichlorobenzene-D (IS)	11.85	152	206981	25.00	ppb	0.03
System Monitoring Compounds						
41) Dibromofluoromethane(S)	5.59	111	124929	25.86	ppb	0.03
Spiked Amount 25.000			Recovery = 103.432%			
46) 1,2-DCA-D4(S)	5.98	65	83944	24.91	ppb	0.03
Spiked Amount 25.000			Recovery = 99.644%			
66) Toluene-D8(S)	8.08	98	397607	25.53	ppb	0.03
Spiked Amount 25.000			Recovery = 102.116%			
74) 4-Bromofluorobenzene(S)	10.70	95	154885	24.62	ppb	0.03
Spiked Amount 25.000			Recovery = 98.492%			

Target Compounds Qvalue

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

Quantitation Report

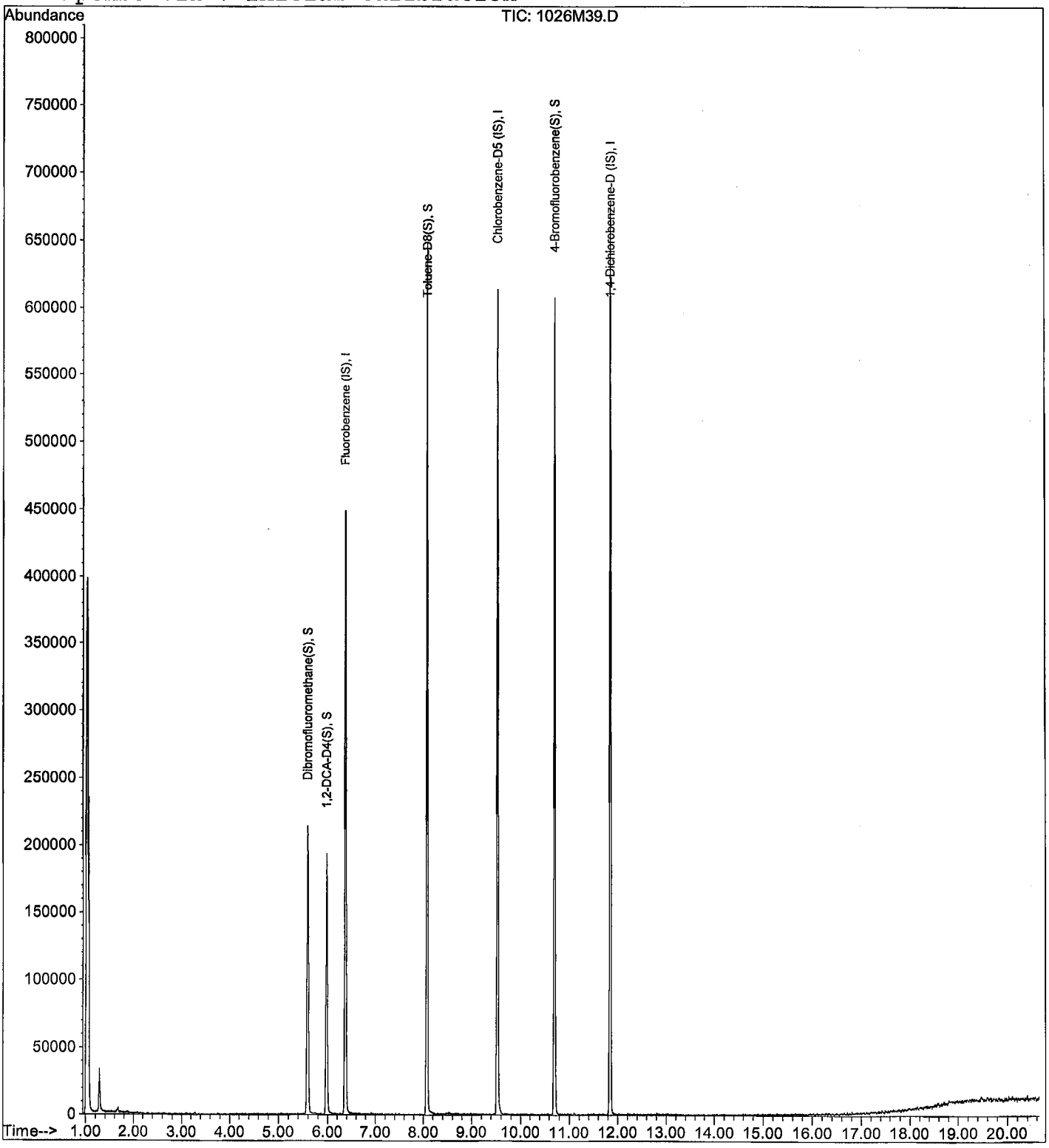
Data File : M:\MAX\DATA\211015\1026M39.D
Acq On : 27 Oct 21 3:06
Sample : BA44049W01
Misc : IS&S 8/4/21

Vial: 39
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Oct 27 11:14 2021

Quant Results File: M1015W.RES

Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 14:01:48 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\211015\1026M40.D Vial: 40
Acq On : 27 Oct 21 3:34 Operator: LP,DG,CH
Sample : BA44050W01 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 27 11:17 2021 Quant Results File: M1015W.RES

Quant Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 14:01:48 2021
Response via : Initial Calibration
DataAcq Meth : M8260

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene (IS)	6.37	96	378110	25.00	ppb		0.03
65) Chlorobenzene-D5 (IS)	9.52	117	360031	25.00	ppb		0.03
80) 1,4-Dichlorobenzene-D (IS)	11.84	152	236580	25.00	ppb		0.02
System Monitoring Compounds							
41) Dibromofluoromethane(S)	5.59	111	114325	24.35	ppb		0.03
Spiked Amount 25.000			Recovery = 97.380%				
46) 1,2-DCA-D4(S)	5.98	65	78144	23.86	ppb		0.03
Spiked Amount 25.000			Recovery = 95.436%				
66) Toluene-D8(S)	8.08	98	407070	24.60	ppb		0.03
Spiked Amount 25.000			Recovery = 98.400%				
74) 4-Bromofluorobenzene(S)	10.70	95	166353	24.89	ppb		0.02
Spiked Amount 25.000			Recovery = 99.564%				
Target Compounds							Qvalue
71) m&p-Xylene	9.68	106	1193	0.29	ppb	#	54
72) o-Xylene	10.19	106	749	0.18	ppb		91
78) Ethylbenzene	9.68	91	2669	0.27	ppb		92

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

Quantitation Report

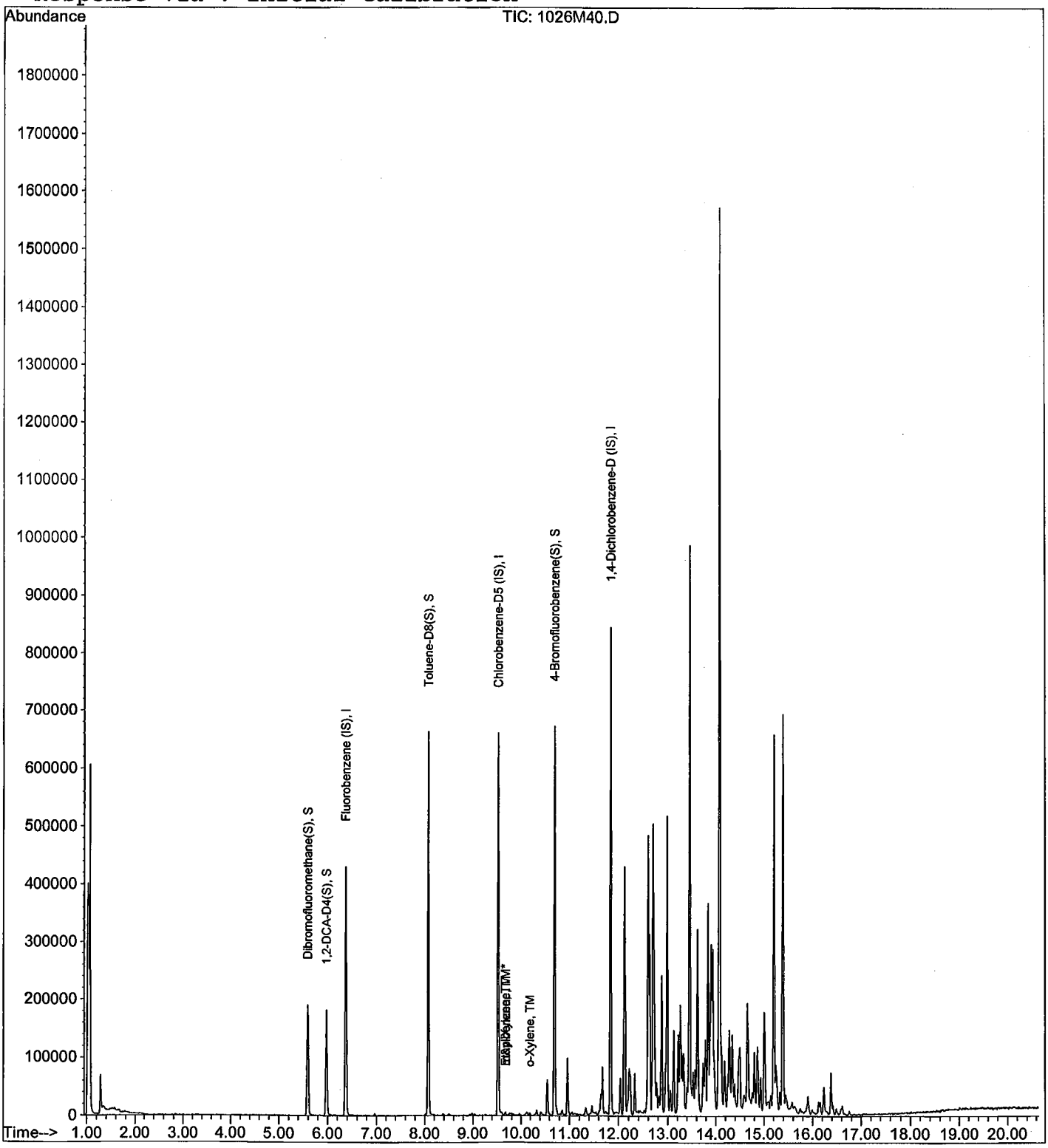
Data File : M:\MAX\DATA\211015\1026M40.D
Acq On : 27 Oct 21 3:34
Sample : BA44050W01
Misc : IS&S 8/4/21

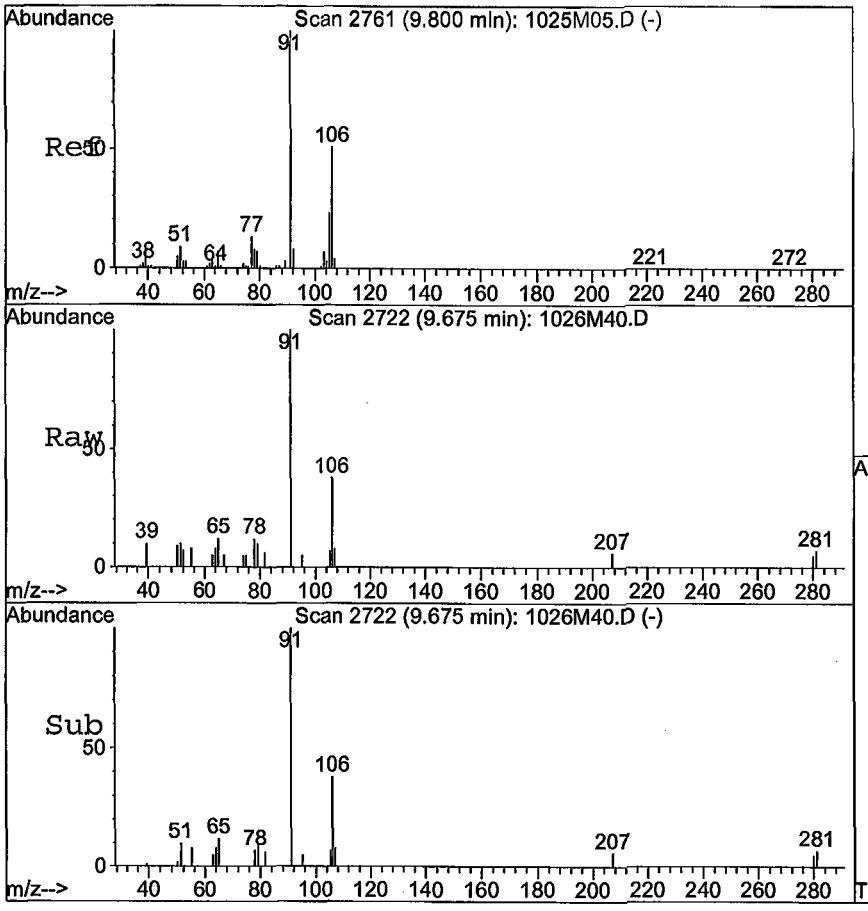
Vial: 40
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Oct 27 11:17 2021

Quant Results File: M1015W.RES

Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 14:01:48 2021
Response via : Initial Calibration

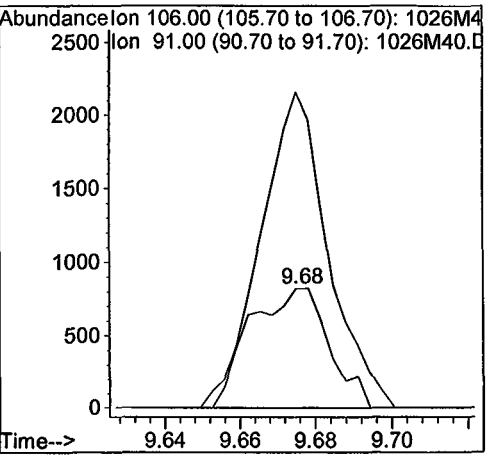


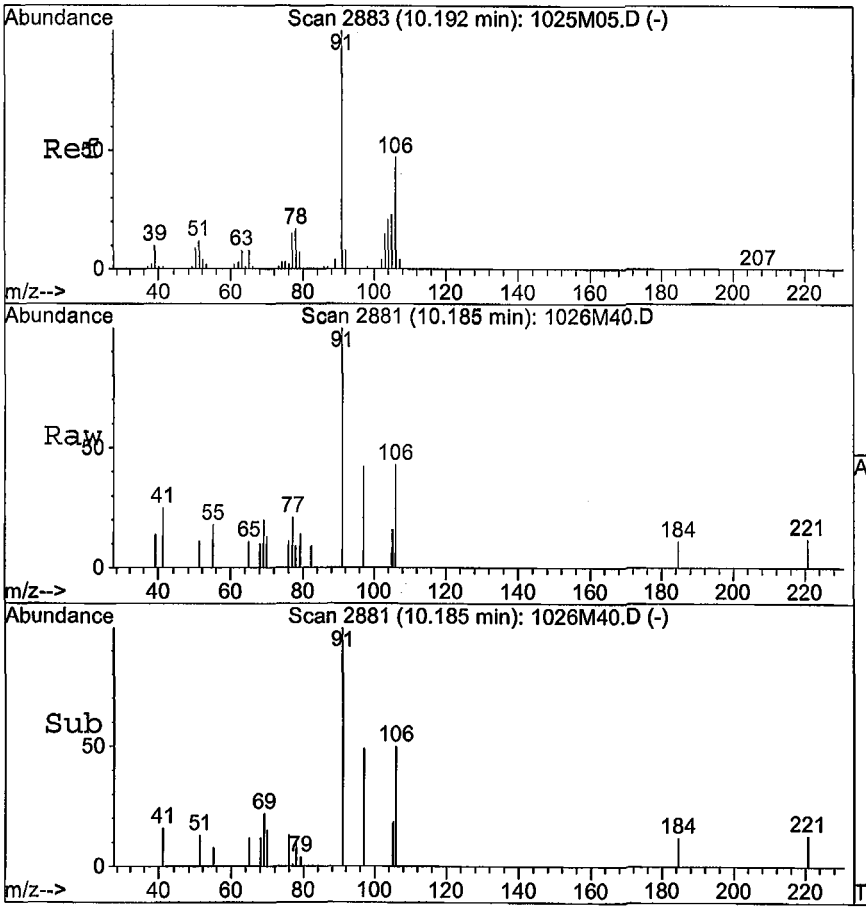


#71
m&p-Xylene
Concen: 0.29 ppb
RT: 9.68 min Scan# 2722
Delta R.T. -0.10 min
Lab File: 1026M40.D
Acq: 27 Oct 21 3:34

Tgt Ion:106 Resp: 1193

Ion	Ratio	Lower	Upper
106	100		
91	262.7	136.4	253.2#

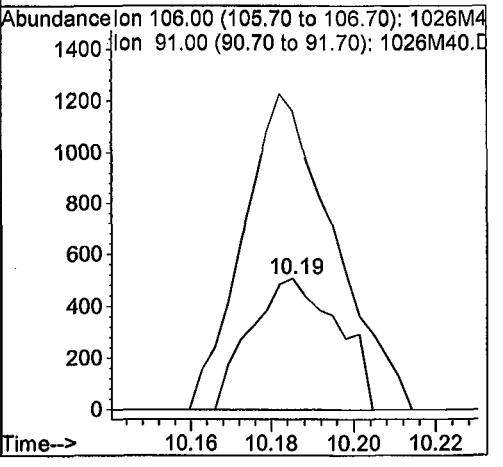


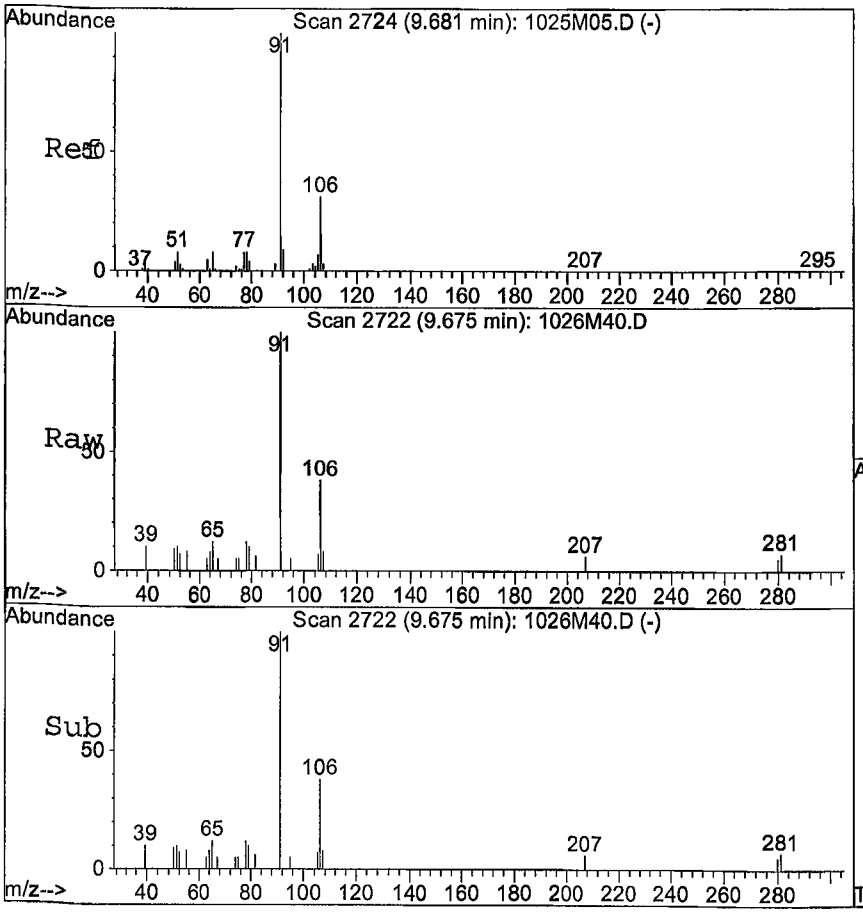


#72
o-Xylene
Concen: 0.18 ppb
RT: 10.19 min Scan# 2881
Delta R.T. 0.03 min
Lab File: 1026M40.D
Acq: 27 Oct 21 3:34

Tgt Ion:106 Resp: 749

Ion	Ratio	Lower	Upper
106	100		
91	199.0	149.0	276.6

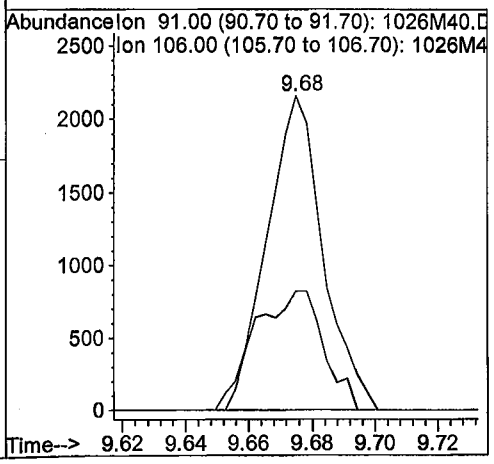




#78
Ethylbenzene
Concen: 0.27 ppb
RT: 9.68 min Scan# 2722
Delta R.T. 0.03 min
Lab File: 1026M40.D
Acq: 27 Oct 21 3:34

Tgt Ion: 91 Resp: 2669

Ion	Ratio	Lower	Upper
91	100		
106	38.1	23.4	43.4



Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\211015\1026M41.D Vial: 41
Acq On : 27 Oct 21 4:02 Operator: LP,DG,CH
Sample : BA44051W01 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 27 11:20 2021 Quant Results File: M1015W.RES

Quant Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 14:01:48 2021
Response via : Initial Calibration
DataAcq Meth : M8260

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	6.37	96	409647	25.00 ppb	0.03
65) Chlorobenzene-D5 (IS)	9.52	117	356964	25.00 ppb	0.03
80) 1,4-Dichlorobenzene-D (IS)	11.84	152	220092	25.00 ppb	0.02
System Monitoring Compounds					
41) Dibromofluoromethane(S)	5.59	111	130435	25.64 ppb	0.03
Spiked Amount 25.000			Recovery =	102.552%	
46) 1,2-DCA-D4(S)	5.98	65	89352	25.18 ppb	0.03
Spiked Amount 25.000			Recovery =	100.720%	
66) Toluene-D8(S)	8.08	98	423905	25.84 ppb	0.03
Spiked Amount 25.000			Recovery =	103.348%	
74) 4-Bromofluorobenzene(S)	10.70	95	163364	24.65 ppb	0.03
Spiked Amount 25.000			Recovery =	98.612%	

Target Compounds Qvalue

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

Quantitation Report

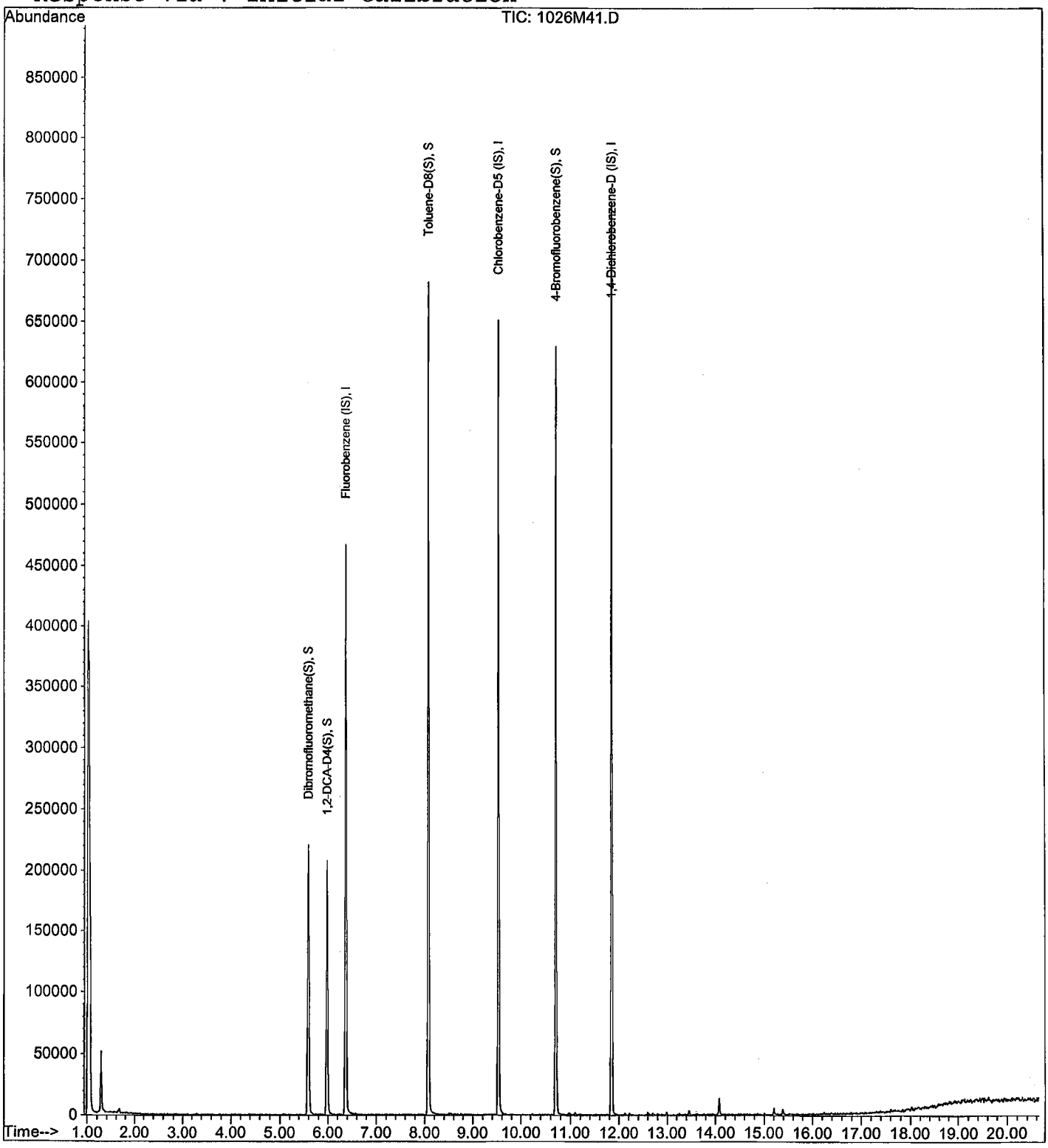
Data File : M:\MAX\DATA\211015\1026M41.D
Acq On : 27 Oct 21 4:02
Sample : BA44051W01
Misc : IS&S 8/4/21

Vial: 41
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Oct 27 11:20 2021

Quant Results File: M1015W.RES

Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 14:01:48 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\211015\1026M42.D Vial: 42
Acq On : 27 Oct 21 4:30 Operator: LP,DG,CH
Sample : BA44052W01 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 27 11:21 2021 Quant Results File: M1015W.RES

Quant Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 14:01:48 2021
Response via : Initial Calibration
DataAcq Meth : M8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.37	96	403838	25.00	ppb	0.03
65) Chlorobenzene-D5 (IS)	9.52	117	353790	25.00	ppb	0.03
80) 1,4-Dichlorobenzene-D (IS)	11.85	152	217480	25.00	ppb	0.03
System Monitoring Compounds						
41) Dibromofluoromethane(S)	5.59	111	123558	24.64	ppb	0.03
Spiked Amount 25.000			Recovery =	98.540%		
46) 1,2-DCA-D4(S)	5.98	65	83392	23.84	ppb	0.03
Spiked Amount 25.000			Recovery =	95.356%		
66) Toluene-D8(S)	8.08	98	407594	25.07	ppb	0.03
Spiked Amount 25.000			Recovery =	100.264%		
74) 4-Bromofluorobenzene(S)	10.70	95	161339	24.57	ppb	0.03
Spiked Amount 25.000			Recovery =	98.264%		

Target Compounds Qvalue

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

Quantitation Report

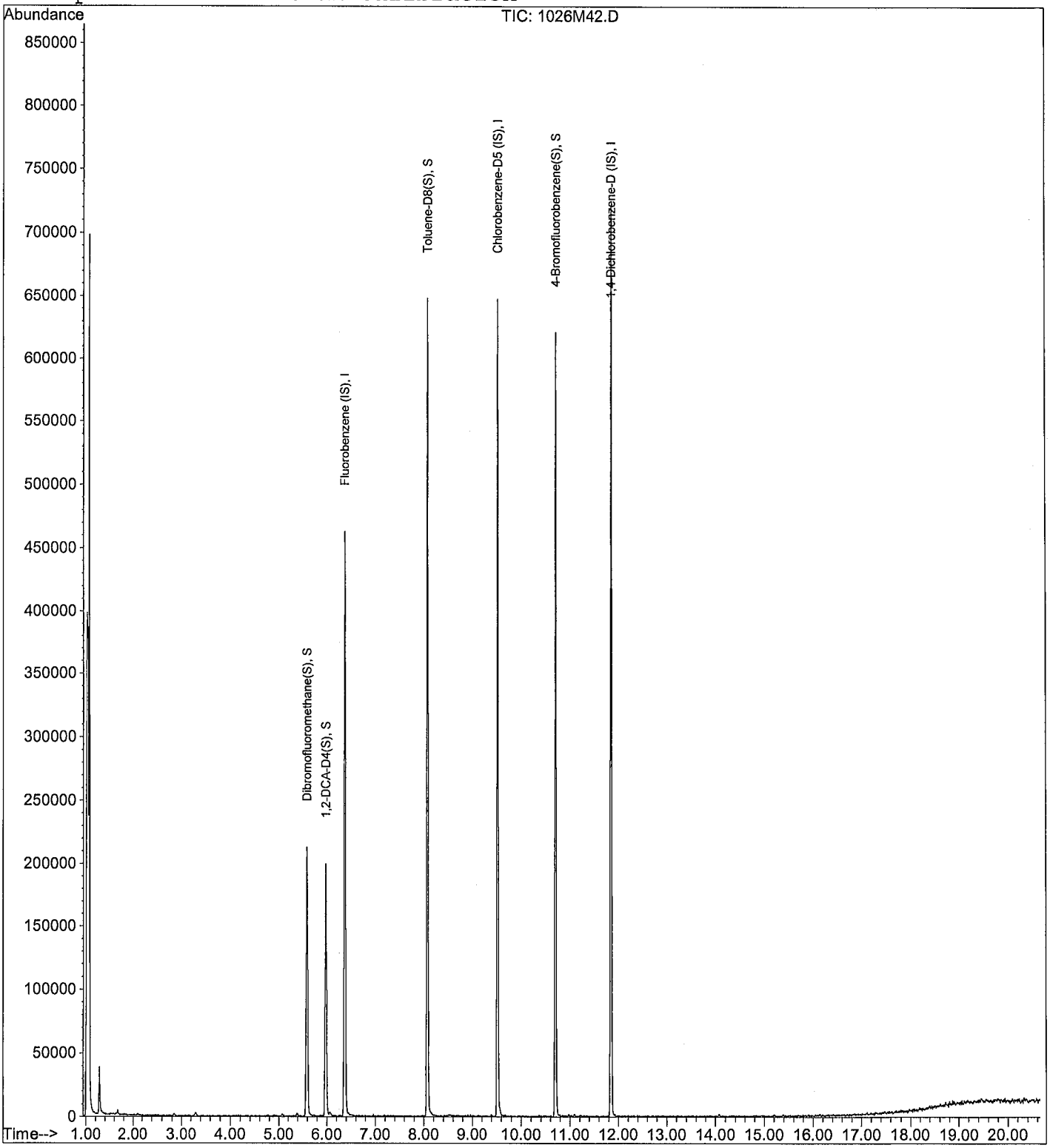
Data File : M:\MAX\DATA\211015\1026M42.D
Acq On : 27 Oct 21 4:30
Sample : BA44052W01
Misc : IS&S 8/4/21

Vial: 42
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Oct 27 11:21 2021

Quant Results File: M1015W.RES

Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 14:01:48 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\211015\1026M43.D Vial: 43
Acq On : 27 Oct 21 4:59 Operator: LP,DG,CH
Sample : BA44053W01 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 27 11:23 2021 Quant Results File: M1015W.RES

Quant Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 14:01:48 2021
Response via : Initial Calibration
DataAcq Meth : M8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.37	96	403771	25.00	ppb	0.03
65) Chlorobenzene-D5 (IS)	9.52	117	358499	25.00	ppb	0.03
80) 1,4-Dichlorobenzene-D (IS)	11.84	152	215883	25.00	ppb	0.02
System Monitoring Compounds						
41) Dibromofluoromethane(S)	5.59	111	124255	24.78	ppb	0.03
Spiked Amount 25.000			Recovery = 99.112%			
46) 1,2-DCA-D4(S)	5.98	65	82096	23.47	ppb	0.03
Spiked Amount 25.000			Recovery = 93.888%			
66) Toluene-D8(S)	8.08	98	413466	25.09	ppb	0.03
Spiked Amount 25.000			Recovery = 100.372%			
74) 4-Bromofluorobenzene(S)	10.70	95	162953	24.49	ppb	0.02
Spiked Amount 25.000			Recovery = 97.944%			

Target Compounds Qvalue

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

Quantitation Report

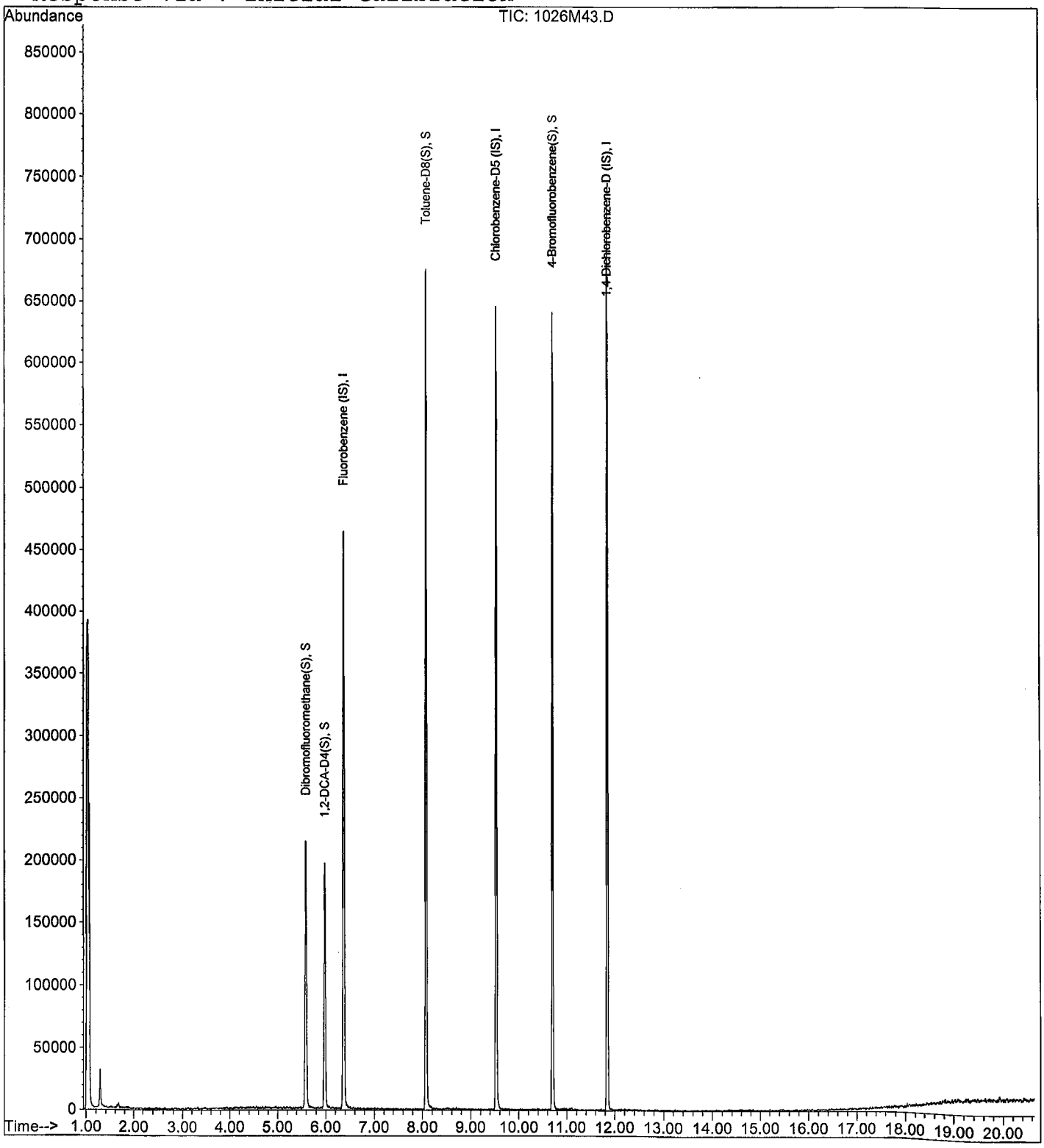
Data File : M:\MAX\DATA\211015\1026M43.D
Acq On : 27 Oct 21 4:59
Sample : BA44053W01
Misc : IS&S 8/4/21

Vial: 43
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Oct 27 11:23 2021

Quant Results File: M1015W.RES

Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 14:01:48 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\211015\1026M44.D Vial: 44
Acq On : 27 Oct 21 5:27 Operator: LP,DG,CH
Sample : BA44054W01 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 27 11:24 2021 Quant Results File: M1015W.RES

Quant Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 14:01:48 2021
Response via : Initial Calibration
DataAcq Meth : M8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.37	96	401787	25.00	ppb	0.03
65) Chlorobenzene-D5 (IS)	9.52	117	357373	25.00	ppb	0.03
80) 1,4-Dichlorobenzene-D (IS)	11.84	152	227146	25.00	ppb	0.02
System Monitoring Compounds						
41) Dibromofluoromethane(S)	5.59	111	119822	24.01	ppb	0.03
Spiked Amount 25.000			Recovery = 96.048%			
46) 1,2-DCA-D4(S)	5.98	65	82600	23.73	ppb	0.03
Spiked Amount 25.000			Recovery = 94.932%			
66) Toluene-D8(S)	8.08	98	412732	25.13	ppb	0.03
Spiked Amount 25.000			Recovery = 100.508%			
74) 4-Bromofluorobenzene(S)	10.70	95	158873	23.95	ppb	0.02
Spiked Amount 25.000			Recovery = 95.792%			

Target Compounds Qvalue

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

Quantitation Report

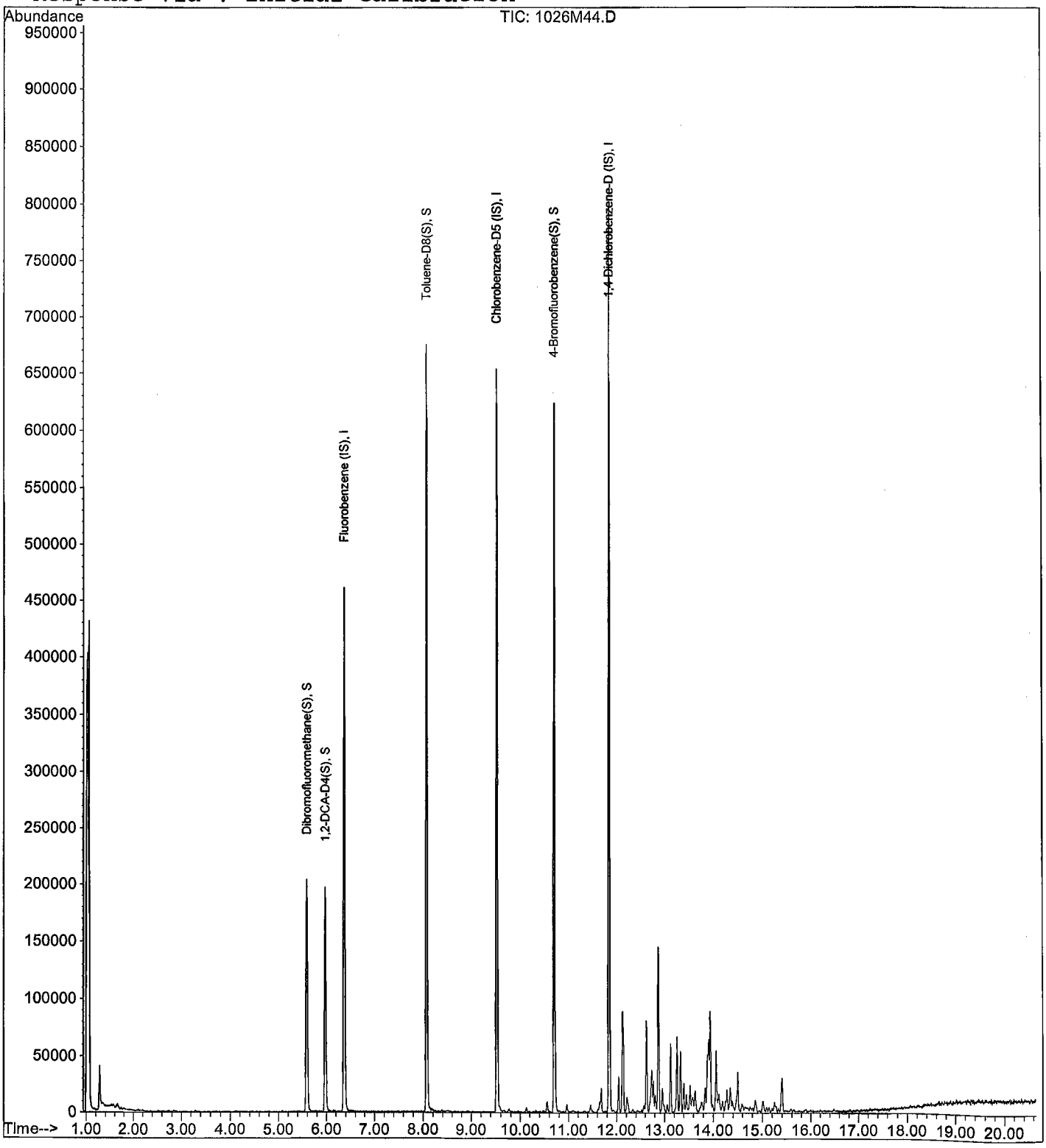
Data File : M:\MAX\DATA\211015\1026M44.D
Acq On : 27 Oct 21 5:27
Sample : BA44054W01
Misc : IS&S 8/4/21

Vial: 44
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Oct 27 11:24 2021

Quant Results File: M1015W.RES

Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 14:01:48 2021
Response via : Initial Calibration



Data File : M:\MAX\DATA\211015\1026M31.D Vial: 31
Acq On : 26 Oct 21 23:20 Operator: LP,DG,CH
Sample : 211026B BLK Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 27 8:05 2021 Quant Results File: M1015W.RES

Quant Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 14:01:48 2021
Response via : Initial Calibration
DataAcq Meth : M8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.37	96	396235	25.00	ppb	0.03
65) Chlorobenzene-D5 (IS)	9.53	117	350438	25.00	ppb	0.03
80) 1,4-Dichlorobenzene-D (IS)	11.85	152	212898	25.00	ppb	0.03
System Monitoring Compounds						
41) Dibromofluoromethane(S)	5.59	111	122793	24.95	ppb	0.03
Spiked Amount 25.000			Recovery =	99.808%		
46) 1,2-DCA-D4(S)	5.98	65	85552	24.93	ppb	0.03
Spiked Amount 25.000			Recovery =	99.700%		
66) Toluene-D8(S)	8.08	98	398165	24.72	ppb	0.03
Spiked Amount 25.000			Recovery =	98.880%		
74) 4-Bromofluorobenzene(S)	10.70	95	162293	24.95	ppb	0.03
Spiked Amount 25.000			Recovery =	99.792%		

Target Compounds Qvalue

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

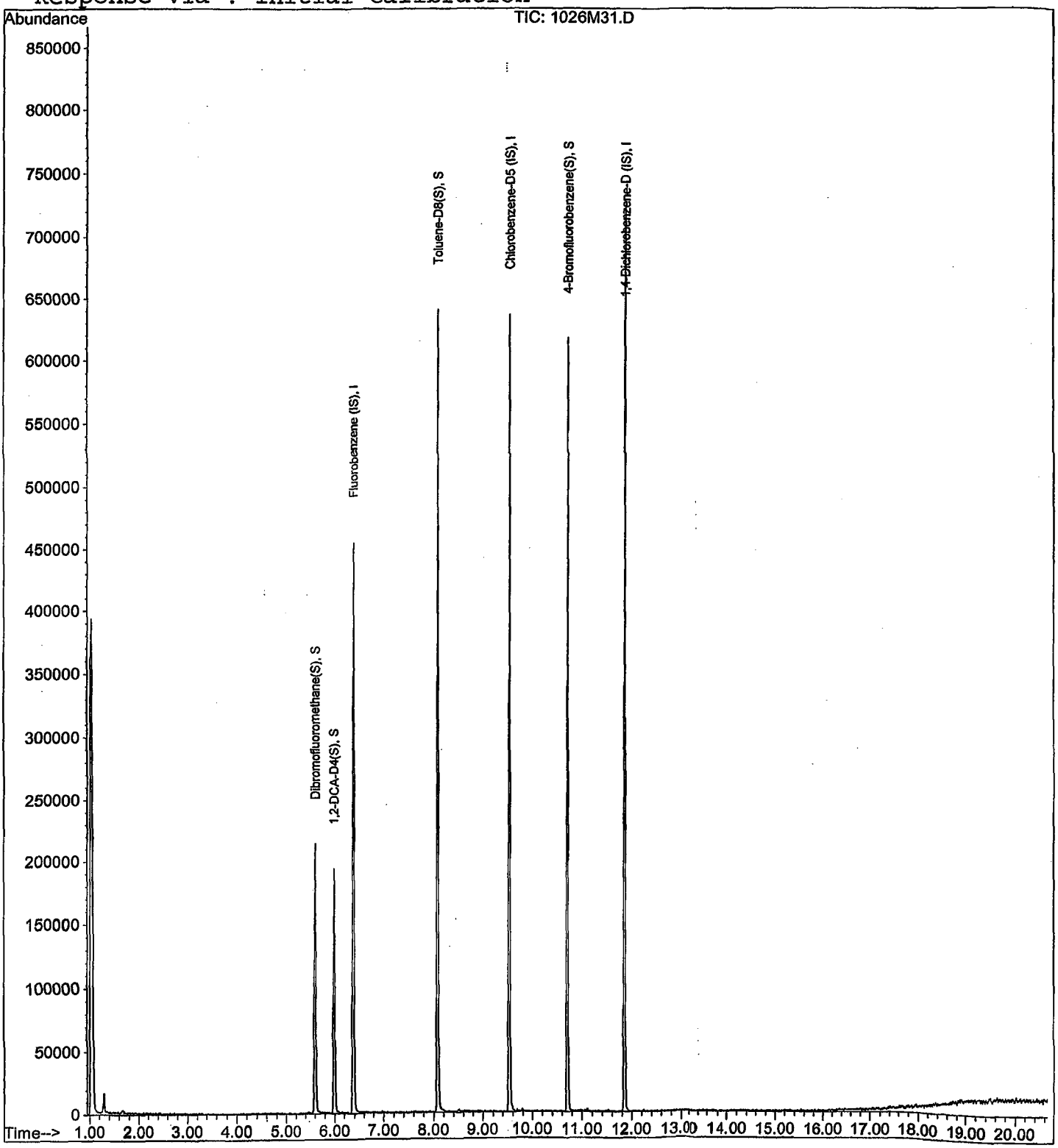
Data File : M:\MAX\DATA\211015\1026M31.D
Acq On : 26 Oct 21 23:20
Sample : 211026B BLK
Misc : IS&S 8/4/21

Vial: 31
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Oct 27 8:05 2021

Quant Results File: M1015W.RES

Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 14:01:48 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211015\1026M26.D Vial: 26
Acq On : 26 Oct 21 20:58 Operator: LP,DG,CH
Sample : 211026B LCS 10ug/L Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 27 7:38 2021 Quant Results File: M1015W.RES

Quant Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 14:01:48 2021
Response via : Initial Calibration
DataAcq Meth : M8260

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene (IS)	6.37	96	384412	25.00	ppb		0.03
65) Chlorobenzene-D5 (IS)	9.53	117	344538	25.00	ppb		0.03
80) 1,4-Dichlorobenzene-D (IS)	11.85	152	230340	25.00	ppb		0.03
System Monitoring Compounds							
41) Dibromofluoromethane(S)	5.59	111	122707	25.70	ppb		0.03
Spiked Amount 25.000			Recovery = 102.808%				
46) 1,2-DCA-D4(S)	5.98	65	86592	26.00	ppb		0.03
Spiked Amount 25.000			Recovery = 104.016%				
66) Toluene-D8(S)	8.08	98	402333	25.41	ppb		0.03
Spiked Amount 25.000			Recovery = 101.628%				
74) 4-Bromofluorobenzene(S)	10.70	95	165389	25.86	ppb		0.03
Spiked Amount 25.000			Recovery = 103.436%				
Target Compounds							Qvalue
3) Dichlorodifluoromethane	1.20	85	19984	8.68	ppb		99
4) Freon 114	1.30	85	13756	10.67	ppb		75
5) Chloromethane	1.34	50	13070	9.52	ppb		95
6) Vinyl chloride	1.43	62	15016	8.87	ppb		99
8) Bromomethane	1.69	94	13995	9.78	ppb		96
9) Chloroethane	1.79	64	10463	9.59	ppb	#	86
10) Dichlorofluoromethane	1.99	67	37572	10.11	ppb		90
11) Trichlorofluoromethane	2.02	101	43384	9.77	ppb		95
13) Acrolein	2.46	56	24816	115.33	ppb		94
14) Acetone	2.63	43	22327	44.55	ppb		98
15) Freon-113	2.55	151	18363	10.16	ppb		97
16) Acetonitrile	2.96	41	14482	121.59	ppb	#	95
18) 1,2-Dichlorotrifluoroethan	1.99	67	37572	10.11	ppb		100
19) 1,1-DCE	2.53	61	25598	9.51	ppb		98
20) t-Butanol	3.37	59	20369	131.21	ppb		97
21) Methyl Acetate	3.02	43	9041	10.73	ppb	#	83
22) Iodomethane	2.68	142	17296	9.33	ppb		94
23) Acrylonitrile	3.48	53	5326	11.24	ppb	#	73
25) Methylene chloride	3.12	84	18885	10.87	ppb		98
26) Carbon disulfide	2.74	76	20448	9.34	ppb		95
27) Methyl t-butyl ether (MtBE	3.50	73	60960	10.52	ppb	#	89
28) Trans-1,2-DCE	3.46	96	18564	9.89	ppb		99
29) 3-Methylpentane	3.51	57	9651	9.83	ppb		86
31) Diisopropyl Ether	4.28	45	39861	11.03	ppb		98
32) 1,1-DCA	4.10	63	31658	11.25	ppb	#	96
34) Ethyl tert Butyl Ether	4.81	59	48057	10.35	ppb		96
35) Methylcyclopentane	4.81	56	2400	12.29	ppb		100

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

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211015\1026M26.D Vial: 26
Acq On : 26 Oct 21 20:58 Operator: LP,DG,CH
Sample : 211026B LCS 10ug/L Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 27 7:38 2021 Quant Results File: M1015W.RES

Quant Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 14:01:48 2021
Response via : Initial Calibration
DataAcq Meth : M8260

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
36)	MEK (2-Butanone)	5.02	43	26982	51.49	ppb		86
37)	Cis-1,2-DCE	4.95	96	21298	10.25	ppb		91
38)	2,2-Dichloropropane	4.93	77	34519	9.56	ppb		97
39)	Chloroform	5.39	83	41439	11.34	ppb		90
40)	Bromochloromethane	5.26	130	17390	10.72	ppb	#	86
42)	1,1,1-TCA	5.58	97	45090	10.51	ppb		96
43)	Cyclohexane	5.62	41	12084	9.84	ppb		92
44)	1,1-Dichloropropene	5.79	75	24590	10.56	ppb		90
45)	2,2,4-Trimethylpentane	6.15	57	30250	10.02	ppb	#	81
47)	Carbon Tetrachloride	5.77	117	41812	10.36	ppb		97
48)	Tert Amyl Methyl Ether	6.22	73	48944	10.69	ppb	#	92
49)	1,2-DCA	6.07	62	37862	10.48	ppb	#	91
50)	Benzene	6.03	78	69821	10.36	ppb		99
51)	TCE	6.78	95	21827	10.11	ppb		87
52)	2-Pentanone	7.04	43	115184	131.50	ppb		94
53)	1,2-Dichloropropane	7.03	63	7230	9.65	ppb		99
54)	Bromodichloromethane	7.34	83	32251	10.66	ppb		100
55)	Methyl Cyclohexane	6.97	83	22916	9.88	ppb		95
56)	Dibromomethane	7.15	93	12891	9.79	ppb		93
57)	MIBK (methyl isobutyl ket	8.01	43	59671	53.27	ppb		96
58)	1-Bromo-2-chloroethane	7.65	144	4613	10.89	ppb		89
60)	Cis-1,3-Dichloropropene	7.82	75	28050	10.35	ppb		91
61)	Toluene	8.15	91	79977	10.26	ppb		96
62)	Trans-1,3-Dichloropropene	8.40	75	30309	11.27	ppb		90
63)	1,1,2-TCA	8.57	83	13277	10.99	ppb		92
64)	2-Hexanone	8.85	43	39288	51.86	ppb		97
67)	1,2-EDB	9.06	107	18318	10.08	ppb		97
68)	Tetrachloroethene	8.69	164	17976	10.00	ppb		83
69)	1-Chlorohexane	9.56	91	13192	9.65	ppb		94
70)	1,1,1,2-Tetrachloroethane	9.65	131	28007	10.93	ppb		96
71)	m&p-Xylene	9.80	106	81214	20.85	ppb		92
72)	o-Xylene	10.19	106	41665	10.20	ppb		100
73)	Styrene	10.20	104	66482	10.81	ppb		98
75)	1,3-Dichloropropane	8.74	76	28707	10.74	ppb		94
76)	Dibromochloromethane	8.96	129	27788	10.39	ppb		99
77)	Chlorobenzene	9.56	112	61589	10.31	ppb		95
78)	Ethylbenzene	9.68	91	97805	10.35	ppb		96
79)	Bromoform	10.37	173	22727	10.24	ppb		99
81)	Isopropylbenzene	10.56	105	108731	10.12	ppb		96
82)	1,1,2,2-Tetrachloroethane	10.87	83	18621	10.10	ppb		90
83)	1,2,3-Trichloropropane	10.90	110	8542	9.27	ppb		90
84)	t-1,4-Dichloro-2-Butene	10.93	53	3999	8.57	ppb		98

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

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211015\1026M26.D Vial: 26
Acq On : 26 Oct 21 20:58 Operator: LP,DG,CH
Sample : 211026B LCS 10ug/L Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 27 7:38 2021 Quant Results File: M1015W.RES

Quant Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 14:01:48 2021
Response via : Initial Calibration
DataAcq Meth : M8260

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
85)	Bromobenzene	10.84	156	37902	10.78	ppb		96
86)	n-Propylbenzene	10.97	91	111766	10.54	ppb		98
87)	4-Ethyltoluene	11.08	105	102540	10.47	ppb		96
88)	2-Chlorotoluene	11.04	91	86101	10.24	ppb		92
89)	1,3,5-Trimethylbenzene	11.15	105	93508	10.20	ppb		97
90)	4-Chlorotoluene	11.15	91	88144	10.55	ppb		97
91)	Tert-Butylbenzene	11.47	119	55664	11.00	ppb		98
92)	1,2,4-Trimethylbenzene	11.51	105	97292	11.20	ppb		99
93)	Sec-Butylbenzene	11.68	105	104546	10.80	ppb		97
94)	p-Isopropyltoluene	11.83	119	102704	10.97	ppb		99
95)	Benzyl Chloride	12.01	91	20416	9.21	ppb	#	88
96)	1,3-DCB	11.78	146	64107	10.47	ppb		97
97)	1,4-DCB	11.87	146	61606	9.88	ppb		92
98)	n-Butylbenzene	12.24	91	62443	9.89	ppb		95
99)	1,2-DCB	12.24	146	62773	10.48	ppb		95
100)	Hexachloroethane	12.48	117	17913	11.42	ppb		88
101)	1,2-Dibromo-3-chloropropan	13.02	75	4863	9.35	ppb		85
102)	1,2,4-Trichlorobenzene	13.84	180	20568	8.79	ppb		92
103)	Hexachlorobutadiene	14.01	225	24853	9.72	ppb		96
104)	Naphthalene	14.08	128	43249	9.86	ppb		99
105)	1,2,3-Trichlorobenzene	14.32	180	27435	9.03	ppb		93

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

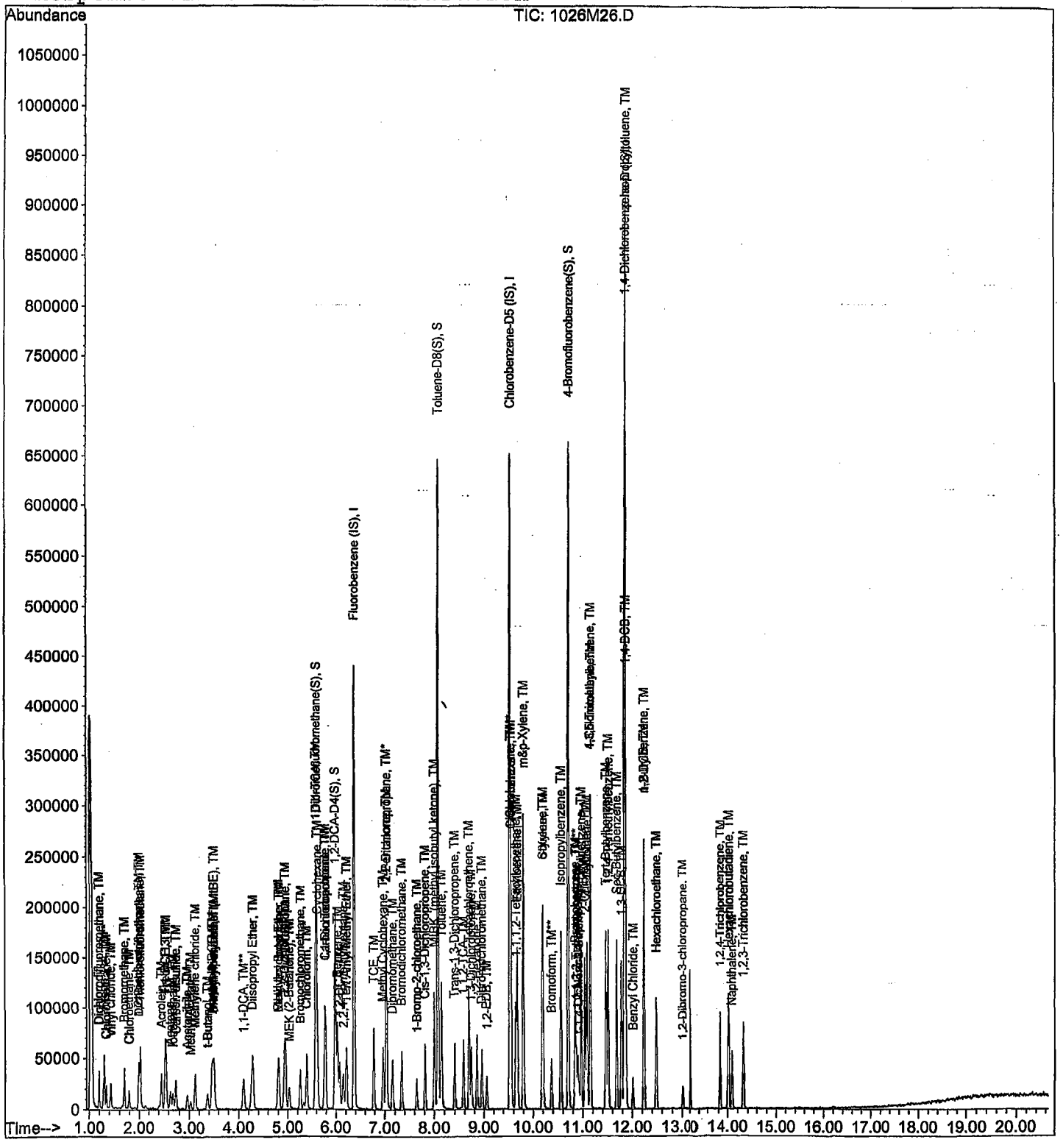
Data File : M:\MAX\DATA\211015\1026M26.D
Acq On : 26 Oct 21 20:58
Sample : 211026B LCS 10ug/L
Misc : IS&S 8/4/21

Vial: 26
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Oct 27 7:38 2021

Quant Results File: M1015W.RES

Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 14:01:48 2021
Response via : Initial Calibration



Data File : M:\MAX\DATA\211015\1026M27.D
Acq On : 26 Oct 21 21:26
Sample : 211026B LCSD 10ug/L
Misc : IS&S 8/4/21

Vial: 27
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Oct 27 7:38 2021

Quant Results File: M1015W.RES

Quant Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 14:01:48 2021
Response via : Initial Calibration
DataAcq Meth : M8260

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene (IS)	6.37	96	379540	25.00	ppb		0.03
65) Chlorobenzene-D5 (IS)	9.53	117	341797	25.00	ppb		0.03
80) 1,4-Dichlorobenzene-D (IS)	11.85	152	227568	25.00	ppb		0.03
System Monitoring Compounds							
41) Dibromofluoromethane(S)	5.59	111	121442	25.76	ppb		0.03
Spiked Amount 25.000			Recovery = 103.052%				
46) 1,2-DCA-D4(S)	5.98	65	82992	25.24	ppb		0.03
Spiked Amount 25.000			Recovery = 100.972%				
66) Toluene-D8(S)	8.08	98	395294	25.16	ppb		0.03
Spiked Amount 25.000			Recovery = 100.648%				
74) 4-Bromofluorobenzene(S)	10.70	95	162229	25.57	ppb		0.03
Spiked Amount 25.000			Recovery = 102.276%				
Target Compounds							Qvalue
3) Dichlorodifluoromethane	1.20	85	18448	8.12	ppb		99
4) Freon 114	1.30	85	12941	10.17	ppb		79
5) Chloromethane	1.34	50	11148	8.22	ppb		95
6) Vinyl chloride	1.43	62	13302	7.96	ppb		98
8) Bromomethane	1.69	94	13105	9.28	ppb		93
9) Chloroethane	1.79	64	8411	8.01	ppb		92
10) Dichlorofluoromethane	1.99	67	33622	9.17	ppb		99
11) Trichlorofluoromethane	2.02	101	37801	8.62	ppb		100
13) Acrolein	2.46	56	20810	98.24	ppb		97
14) Acetone	2.63	43	22743	45.96	ppb		97
15) Freon-113	2.55	151	17544	9.83	ppb		91
16) Acetonitrile	2.96	41	13729	116.74	ppb	#	94
18) 1,2-Dichlorotrifluoroethan	1.99	67	33622	9.17	ppb		100
19) 1,1-DCE	2.53	61	23564	8.87	ppb		95
20) t-Butanol	3.38	59	20603	134.80	ppb		99
21) Methyl Acetate	3.03	43	8412	10.11	ppb		87
22) Iodomethane	2.68	142	15317	8.50	ppb		94
23) Acrylonitrile	3.46	53	4463	9.53	ppb		94
25) Methylene chloride	3.12	84	16196	9.44	ppb		96
26) Carbon disulfide	2.74	76	19960	9.23	ppb		98
27) Methyl t-butyl ether (MtBE	3.50	73	53922	9.42	ppb		100
28) Trans-1,2-DCE	3.46	96	17307	9.34	ppb		92
29) 3-Methylpentane	3.50	57	9164	9.43	ppb		97
31) Diisopropyl Ether	4.28	45	35859	10.05	ppb	#	84
32) 1,1-DCA	4.10	63	29327	10.55	ppb	#	93
34) Ethyl tert Butyl Ether	4.80	59	43521	9.49	ppb		99
35) Methylcyclopentane	4.81	56	1668	8.23	ppb		100

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

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211015\1026M27.D Vial: 27
Acq On : 26 Oct 21 21:26 Operator: LP,DG,CH
Sample : 211026B LCSD 10ug/L Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 27 7:38 2021 Quant Results File: M1015W.RES

Quant Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 14:01:48 2021
Response via : Initial Calibration
DataAcq Meth : M8260

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
36)	MEK (2-Butanone)	5.03	43	25751	49.77 ppb		92
37)	Cis-1,2-DCE	4.95	96	20052	9.77 ppb		94
38)	2,2-Dichloropropane	4.93	77	30984	8.69 ppb	#	88
39)	Chloroform	5.39	83	37375	10.36 ppb		97
40)	Bromochloromethane	5.26	130	14997	9.30 ppb	#	89
42)	1,1,1-TCA	5.57	97	42969	10.14 ppb		99
43)	Cyclohexane	5.62	41	12080	9.97 ppb		89
44)	1,1-Dichloropropene	5.79	75	22879	9.95 ppb		91
45)	2,2,4-Trimethylpentane	6.15	57	29533	9.91 ppb	#	81
47)	Carbon Tetrachloride	5.77	117	38944	9.77 ppb		99
48)	Tert Amyl Methyl Ether	6.22	73	44689	9.88 ppb		97
49)	1,2-DCA	6.07	62	33940	9.51 ppb		95
50)	Benzene	6.03	78	61798	9.29 ppb		97
51)	TCE	6.78	95	20559	9.65 ppb		85
52)	2-Pentanone	7.04	43	105643	122.16 ppb		97
53)	1,2-Dichloropropane	7.03	63	7469	10.11 ppb		98
54)	Bromodichloromethane	7.34	83	29179	9.77 ppb		93
55)	Methyl Cyclohexane	6.97	83	22401	9.78 ppb		91
56)	Dibromomethane	7.15	93	11664	8.97 ppb		91
57)	MIBK (methyl isobutyl ket	8.00	43	53500	48.37 ppb		96
58)	1-Bromo-2-chloroethane	7.65	144	3941	9.43 ppb		79
60)	Cis-1,3-Dichloropropene	7.82	75	25368	9.48 ppb		95
61)	Toluene	8.14	91	74142	9.63 ppb		98
62)	Trans-1,3-Dichloropropene	8.40	75	26692	10.06 ppb		99
63)	1,1,2-TCA	8.58	83	11725	9.83 ppb		95
64)	2-Hexanone	8.86	43	36553	48.87 ppb	#	88
67)	1,2-EDB	9.06	107	15633	8.67 ppb		81
68)	Tetrachloroethene	8.69	164	16856	9.37 ppb	#	78
69)	1-Chlorohexane	9.56	91	13529	9.97 ppb		92
70)	1,1,1,2-Tetrachloroethane	9.65	131	26092	10.26 ppb		97
71)	m&p-Xylene	9.79	106	77153	19.97 ppb		95
72)	o-Xylene	10.19	106	37951	9.37 ppb		100
73)	Styrene	10.20	104	61424	10.07 ppb		96
75)	1,3-Dichloropropane	8.74	76	24861	9.38 ppb		93
76)	Dibromochloromethane	8.96	129	24461	9.22 ppb		98
77)	Chlorobenzene	9.55	112	58182	9.82 ppb		96
78)	Ethylbenzene	9.68	91	92383	9.85 ppb		99
79)	Bromoform	10.37	173	18412	8.36 ppb		95
81)	Isopropylbenzene	10.56	105	102532	9.66 ppb		98
82)	1,1,2,2-Tetrachloroethane	10.87	83	13988	7.68 ppb		93
83)	1,2,3-Trichloropropane	10.90	110	8055	8.85 ppb		93
84)	t-1,4-Dichloro-2-Butene	10.93	53	4590	9.91 ppb	#	61

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

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211015\1026M27.D Vial: 27
Acq On : 26 Oct 21 21:26 Operator: LP,DG,CH
Sample : 211026B LCSD 10ug/L Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 27 7:38 2021 Quant Results File: M1015W.RES

Quant Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 14:01:48 2021
Response via : Initial Calibration
DataAcq Meth : M8260

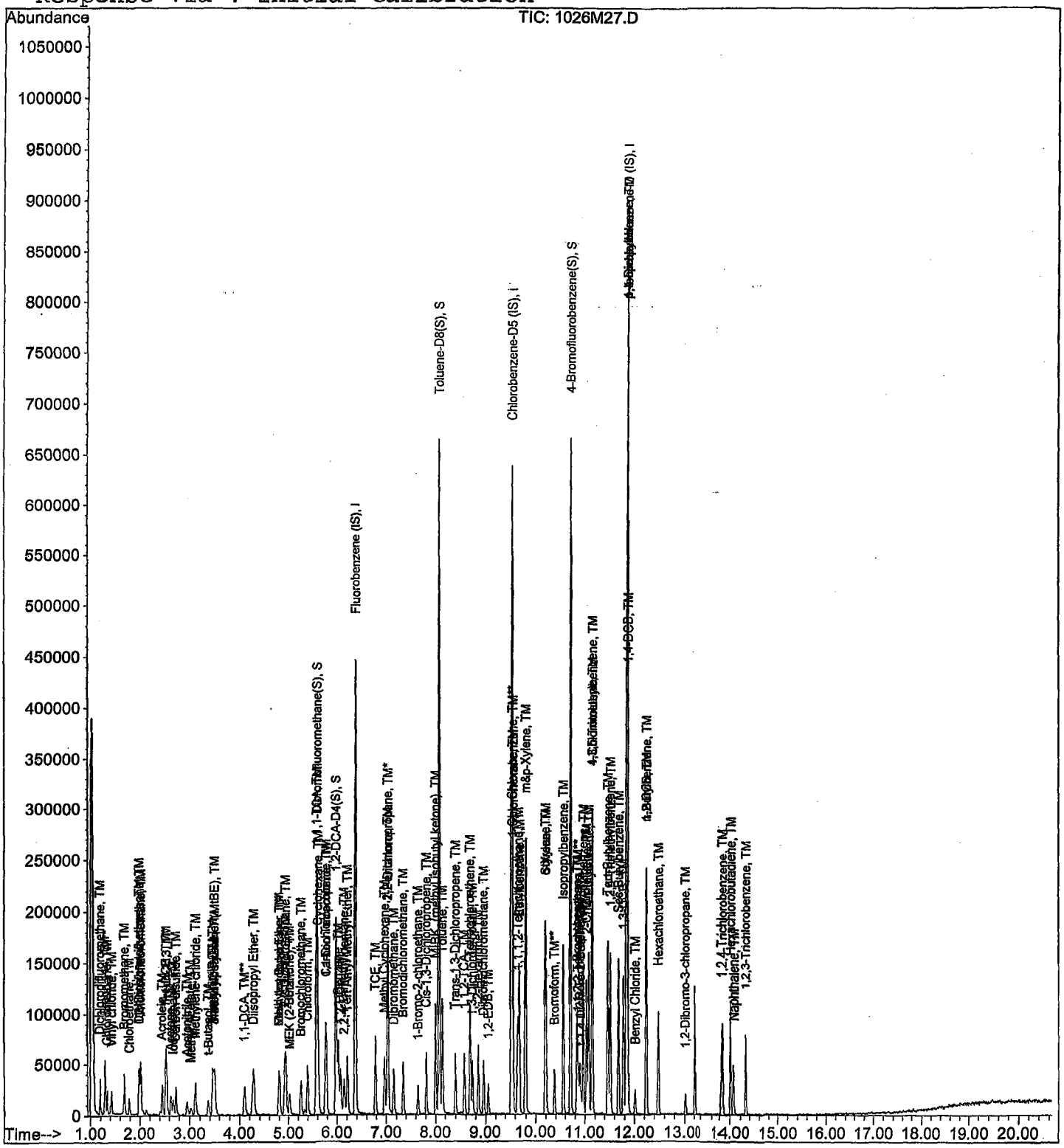
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
85)	Bromobenzene	10.84	156	33019	9.50	ppb		95
86)	n-Propylbenzene	10.97	91	101016	9.64	ppb		97
87)	4-Ethyltoluene	11.08	105	97568	10.08	ppb		93
88)	2-Chlorotoluene	11.04	91	75814	9.12	ppb		86
89)	1,3,5-Trimethylbenzene	11.14	105	90851	10.03	ppb		95
90)	4-Chlorotoluene	11.15	91	80148	9.71	ppb		99
91)	Tert-Butylbenzene	11.47	119	52984	10.60	ppb		98
92)	1,2,4-Trimethylbenzene	11.52	105	87443	10.19	ppb		98
93)	Sec-Butylbenzene	11.68	105	99267	10.38	ppb		98
94)	p-Isopropyltoluene	11.83	119	95492	10.33	ppb		97
95)	Benzyl Chloride	12.01	91	16122	7.36	ppb		98
96)	1,3-DCB	11.78	146	57916	9.58	ppb		96
97)	1,4-DCB	11.87	146	55933	9.08	ppb		94
98)	n-Butylbenzene	12.24	91	55660	9.05	ppb		93
99)	1,2-DCB	12.24	146	56825	9.60	ppb		99
100)	Hexachloroethane	12.48	117	15029	9.70	ppb		98
101)	1,2-Dibromo-3-chloropropan	13.02	75	4647	9.08	ppb	#	75
102)	1,2,4-Trichlorobenzene	13.84	180	20568	8.87	ppb		83
103)	Hexachlorobutadiene	14.01	225	22661	9.05	ppb		98
104)	Naphthalene	14.08	128	38540	9.02	ppb		97
105)	1,2,3-Trichlorobenzene	14.32	180	25370	8.62	ppb		85

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

Data File : M:\MAX\DATA\211015\1026M27.D Vial: 27
Acq On : 26 Oct 21 21:26 Operator: LP,DG,CH
Sample : 211026B LCSD 10ug/L Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 27 7:38 2021 Quant Results File: M1015W.RES

Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 14:01:48 2021
Response via : Initial Calibration

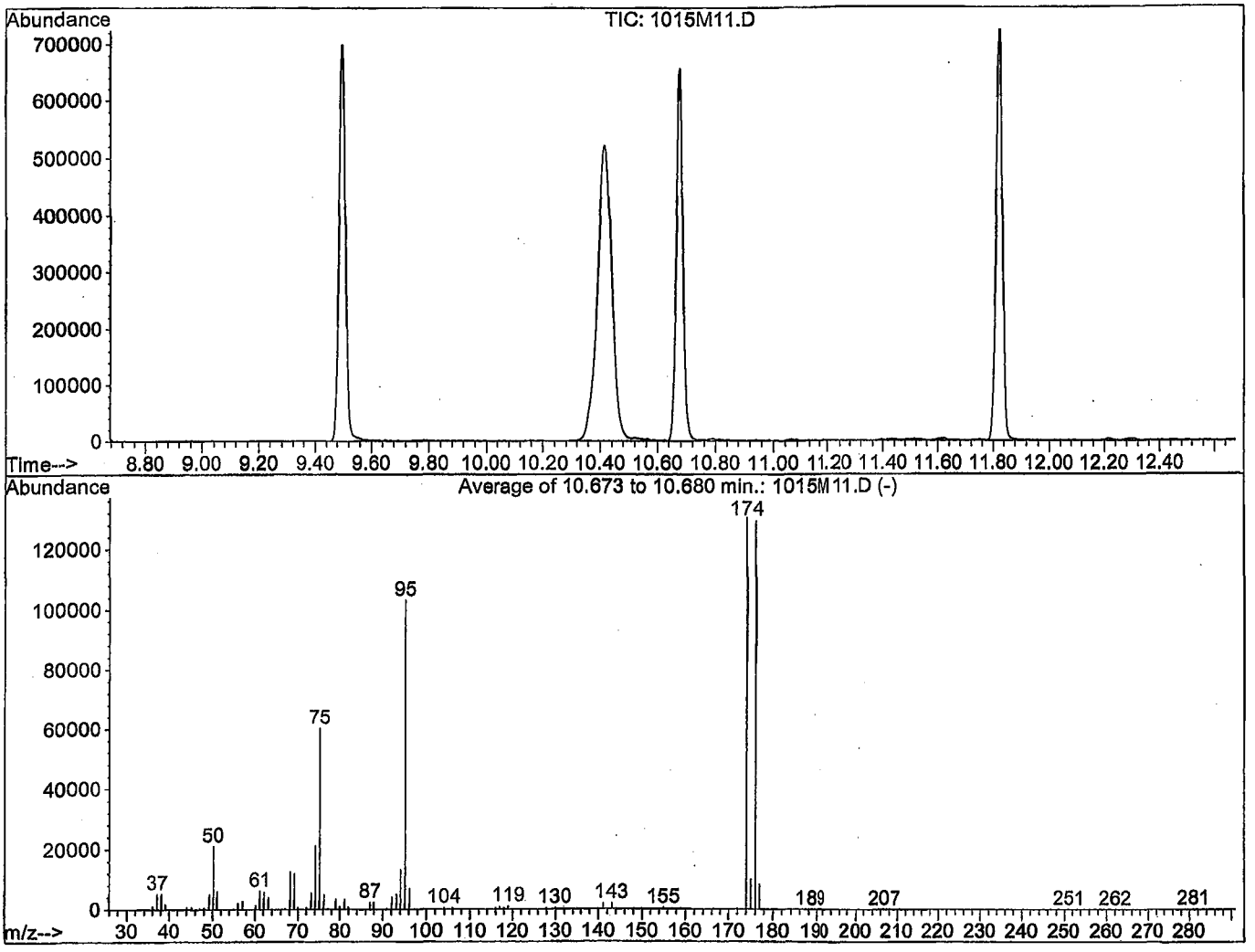


BFB

Data File : M:\MAX\DATA\211015\1015M11.D
Acq On : 15 Oct 21 14:44
Sample : 25ug/L BFB STD 9/23/21
Misc : IS&S 8/4/21

Vial: 1
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B



AutoFind: Scans 3033, 3034, 3035; Background Corrected with Scan 3020

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	20.4	21096	PASS
75	95	30	60	58.4	60299	PASS
95	95	100	200	100.0	103195	PASS
96	95	5	9	6.7	6920	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	200	126.6	130632	PASS
175	174	5	9	7.7	10037	PASS
176	174	95	101	99.1	129467	PASS
177	176	5	9	6.5	8355	PASS

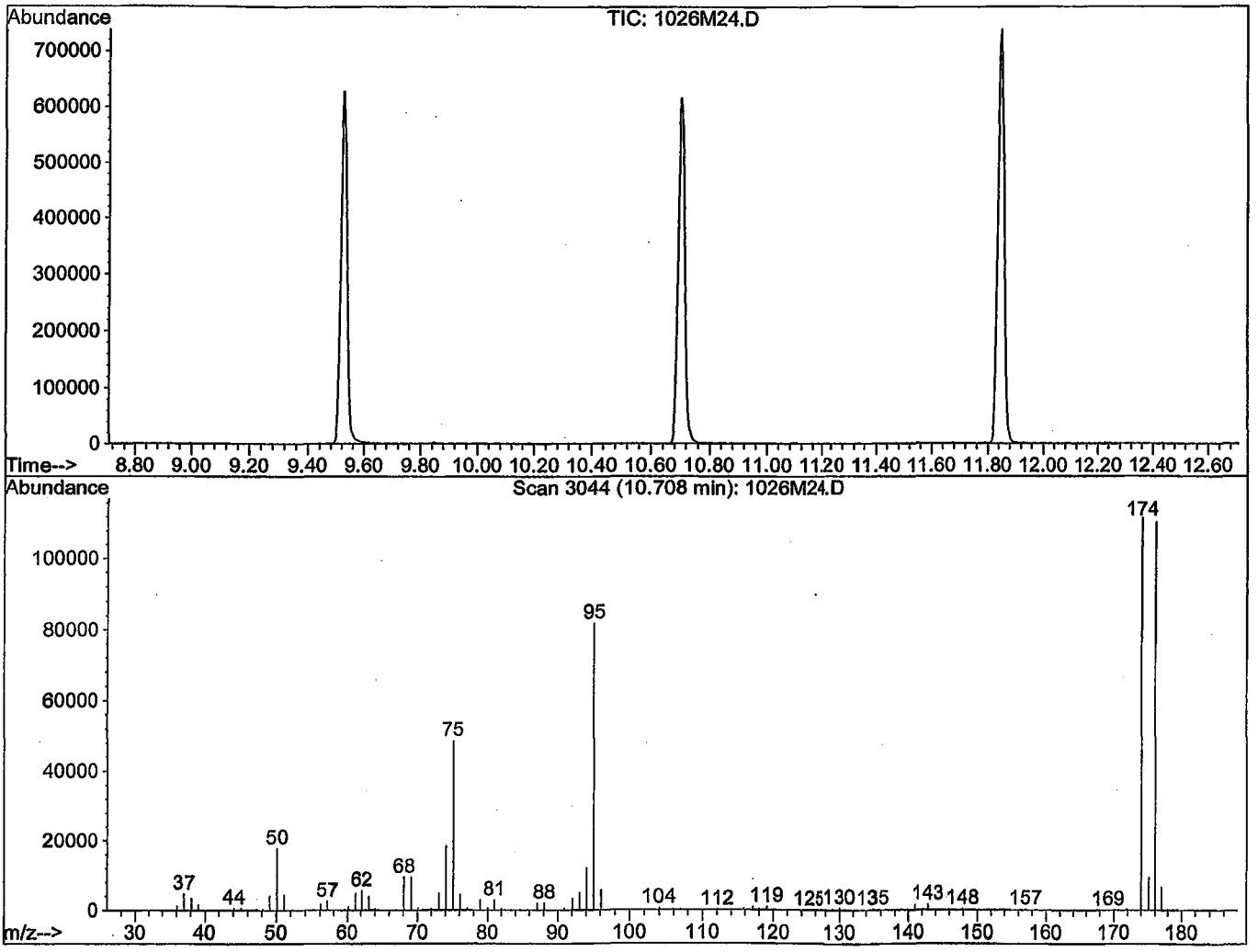
1015M11.D M1015W.M Wed Oct 20 12:38:05 2021

BFB

Data File : M:\MAX\DATA\211015\1026M24.D
Acq On : 26 Oct 21 20:01
Sample : 25ug/L BFB STD 9/23/21
Misc : IS&S 8/4/21

Vial: 24
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B



Spectrum Information: Scan 3044

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	21.8	17864	PASS
75	95	30	60	59.4	48664	PASS
95	95	100	200	100.0	81912	PASS
96	95	5	9	7.1	5855	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	200	136.3	111640	PASS
175	174	5	9	8.5	9455	PASS
176	174	95	101	98.9	110424	PASS
177	176	5	9	5.9	6466	PASS

Injection Log

Directory: M:\MAX\DATA\211015\

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	1	1015M11.D	1	25ug/L BFB STD 9/23/21	IS&S 8/4/21	15 Oct 21 14:44
2	2	1015M12.D	1	0.3ug/L VOC STD 10/15/21	IS&S 8/4/21	15 Oct 21 15:12
3	3	1015M13.D	1	0.5ug/L VOC STD 10/15/21	IS&S 8/4/21	15 Oct 21 15:41
4	4	1015M14.D	1	1ug/L VOC STD 10/15/21	IS&S 8/4/21	15 Oct 21 16:09
5	5	1015M15.D	1	2ug/L VOC STD 10/15/21	IS&S 8/4/21	15 Oct 21 16:38
6	6	1015M16.D	1	5ug/L VOC STD 10/15/21	IS&S 8/4/21	15 Oct 21 17:06
7	7	1015M17.D	1	10ug/L VOC STD 10/15/21	IS&S 8/4/21	15 Oct 21 17:35
8	8	1015M18.D	1	20ug/L VOC STD 10/15/21	IS&S 8/4/21	15 Oct 21 18:03
9	9	1015M19.D	1	40ug/L VOC STD 10/15/21	IS&S 8/4/21	15 Oct 21 18:31
10	10	1015M20.D	1	100ug/L VOC STD 10/15/21	IS&S 8/4/21	15 Oct 21 19:00
11	12	1015M22.D	1	(SS) 10ug/L VOC STD 10/15/21	IS&S 8/4/21	15 Oct 21 19:57

Injection Log

Directory: M:\MAX\DATA\211015\

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	24	1026M24.D	1	25ug/L BFB STD 9/23/21	IS&S 8/4/21	26 Oct 21 20:01
2	25	1026M25.D	1	211026B CCV 10ug/L	IS&S 8/4/21	26 Oct 21 20:30
3	26	1026M26.D	1	211026B LCS 10ug/L	IS&S 8/4/21	26 Oct 21 20:58
4	27	1026M27.D	1	211026B LCSD 10ug/L	IS&S 8/4/21	26 Oct 21 21:26
5	31	1026M31.D	1	211026B BLK	IS&S 8/4/21	26 Oct 21 23:20
6	37	1026M37.D	1	BA44047W01	IS&S 8/4/21	27 Oct 21 2:09
7	38	1026M38.D	1	BA44048W01	IS&S 8/4/21	27 Oct 21 2:37
8	39	1026M39.D	1	BA44049W01	IS&S 8/4/21	27 Oct 21 3:06
9	40	1026M40.D	1	BA44050W01	IS&S 8/4/21	27 Oct 21 3:34
10	41	1026M41.D	1	BA44051W01	IS&S 8/4/21	27 Oct 21 4:02
11	42	1026M42.D	1	BA44052W01	IS&S 8/4/21	27 Oct 21 4:30
12	43	1026M43.D	1	BA44053W01	IS&S 8/4/21	27 Oct 21 4:59
13	44	1026M44.D	1	BA44054W01	IS&S 8/4/21	27 Oct 21 5:27
14	45	1026M45.D	1	Ending CCV 10ug/L 10/26/21	IS&S 8/4/21	27 Oct 21 5:55

ORGANICS
Calibration Data

VOLATILE ORGANIC ANALYSIS BY
EPA METHOD 8260B

Form 6
Initial Calibration

Lab Name: APPL, Inc. SDG No:
Case No: Initial Cal. Date: 8/25/2021
Matrix: Instrument: Max Initials:

0825M12.D 0825M13.D 0825M14.D 0825M15.D 0825M16.D 0825M17.D 0825M18.D 0825M19.D 0825M20.D

		Compound	1	2	3	4	5	6	7	8	9		Avg	%RSD	Type	r^2	Q	MRF
1	I	Fluorobenzene (IS)																
2	S	Dibromofluoromethane(S)	0.3523	0.3417	0.2807	0.2859	0.2870	0.2956	0.2984	0.3009	0.2709		0.30	9.1	S			
3	S	1,2-DCA-D4(S)	0.2194	0.2154	0.1883	0.1930	0.1953	0.1908	0.1985	0.2034	0.1791		0.20	6.5	S			
4	I	Chlorobenzene-D5 (IS)																
5	S	Toluene-D8(S)	1.390	1.326	1.153	1.099	1.153	1.163	1.121	1.122	1.024		1.2	9.8	S			
6	S	4-Bromofluorobenzene(S)	0.5362	0.5171	0.4075	0.4294	0.4615	0.4643	0.4388	0.4514	0.4103		0.46	9.7	S			
7	I	1,4-Dichlorobenzene-D (IS)																
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Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\210825\0825M12.D Vial: 2
Acq On : 25 Aug 21 15:15 Operator: LP,DG,CH
Sample : 0.3ug/L VOC STD 8/25/21 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Aug 26 15:25 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 (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 15:25 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 (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 15:25 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 (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 15:25 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 (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 15:25 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 (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 15:25 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 (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 15:25 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 (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 15:25 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 (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 15:25 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

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	0825M23.D	0825M24.D	0825M25.D	0825M26.D	0825M27.D	0825M28.D	0825M29.D				Avg	%RSD	Type	r^2	Q	MRF
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																		
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Quantitation Report (Not 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: Oct 29 14:41 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	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	2520945m	-126.62	ppb	100

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

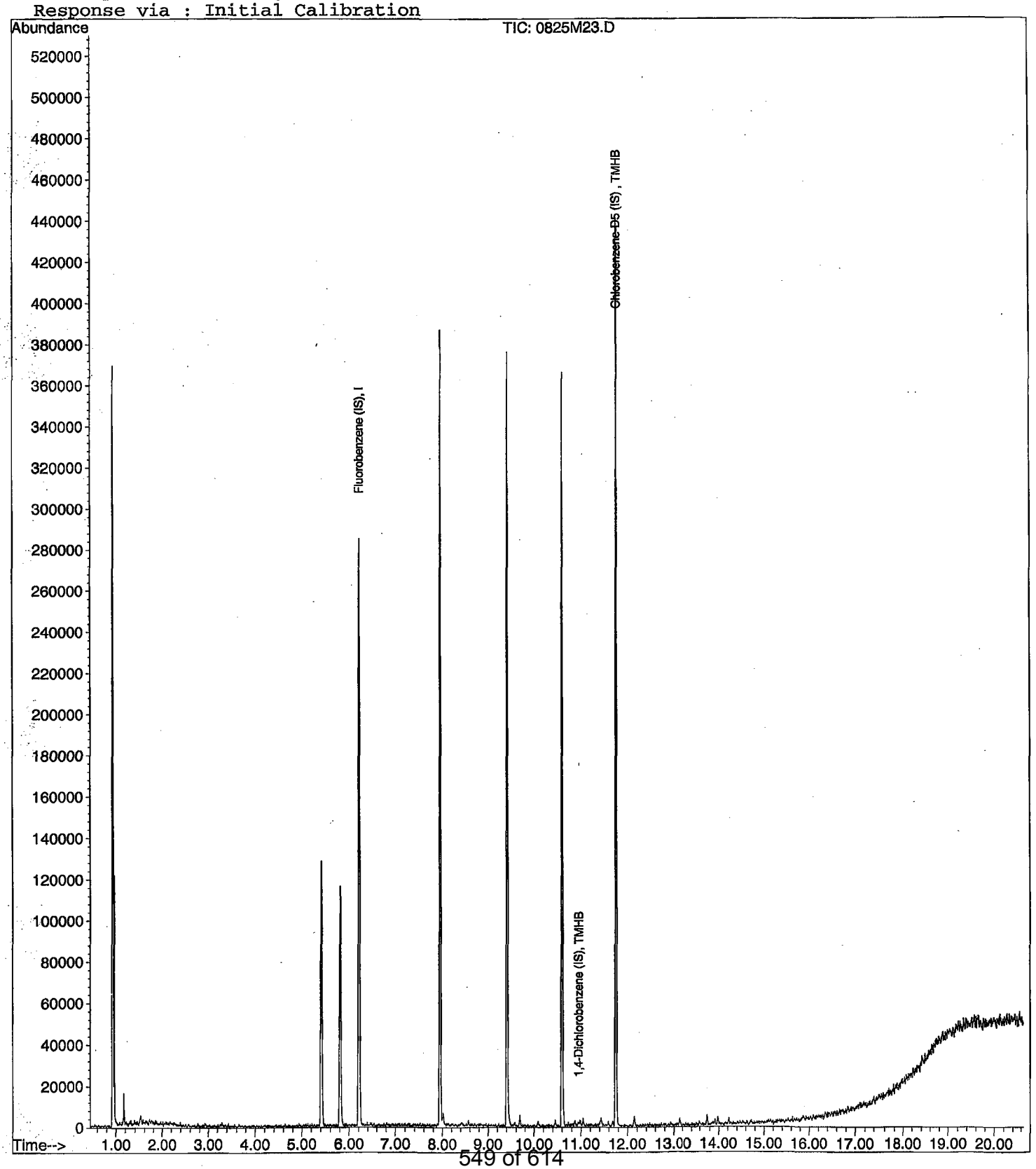
Quantitation Report

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: Oct 29 14:41 2021 Quant Results File: MGAS0825.RES

Method : M:\MAX\DATA\211015\MGAS0825.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 16:19:36 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\210825\0825M24.D Vial: 14
Acq On : 25 Aug 21 20:51 Operator: LP,DG,CH
Sample : 50ug/L GAS STD 8/25/21 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Oct 29 14:41 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	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	2656639m	-95.17	ppb	100

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

0825M24.D MGAS0825.M Tue Nov 30 13:08:19 2021

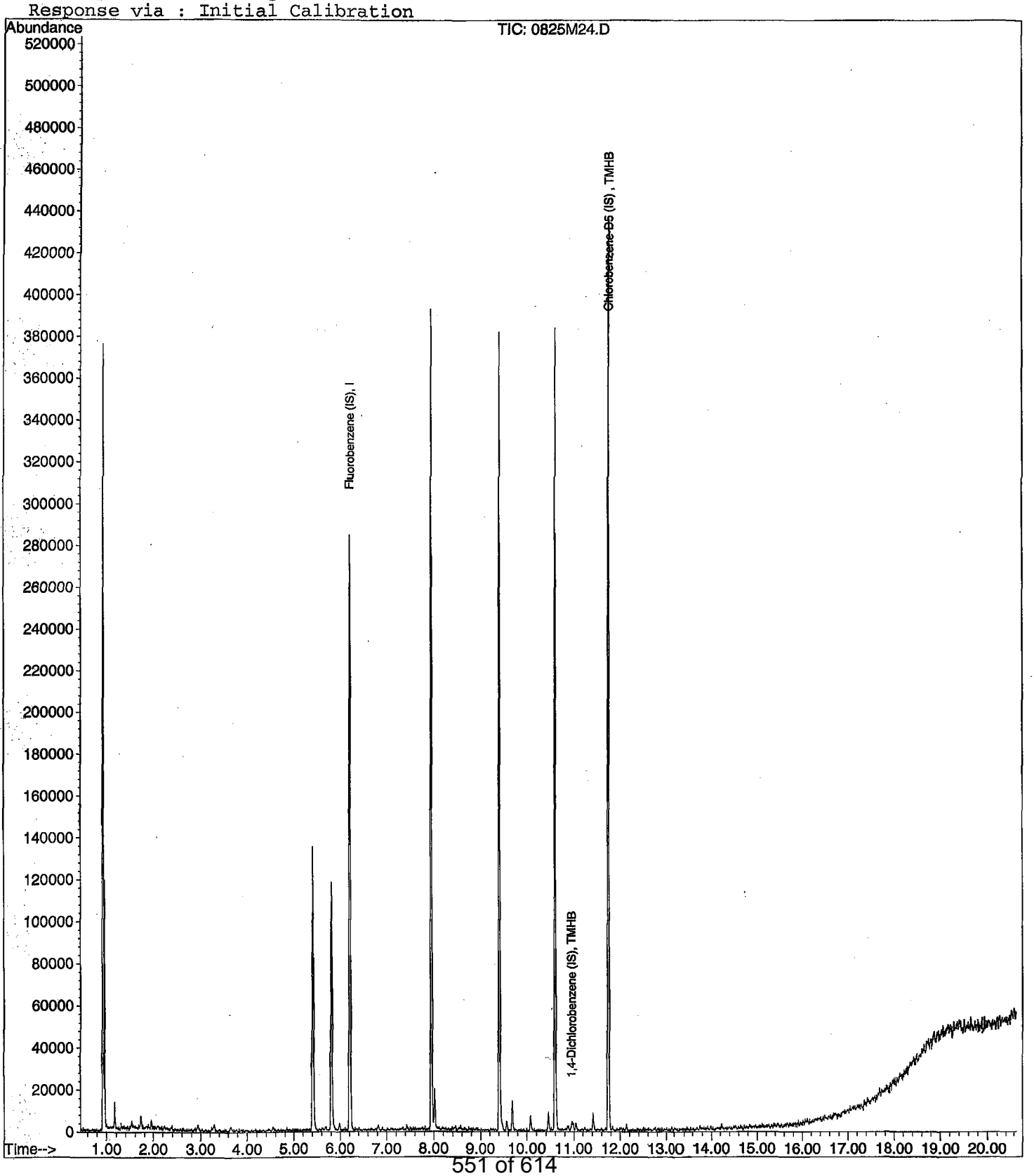
Quantitation Report

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: Oct 29 14:41 2021 Quant Results File: MGAS0825.RES

Method : M:\MAX\DATA\211015\MGAS0825.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 16:19:36 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\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: Oct 29 14:41 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	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	2860551m	-50.60 ppb	100

(#) = qualifier out of range (m) = manual integration
0825M25.D MGAS0825.M Tue Nov 30 13:08:21 2021 Page 1

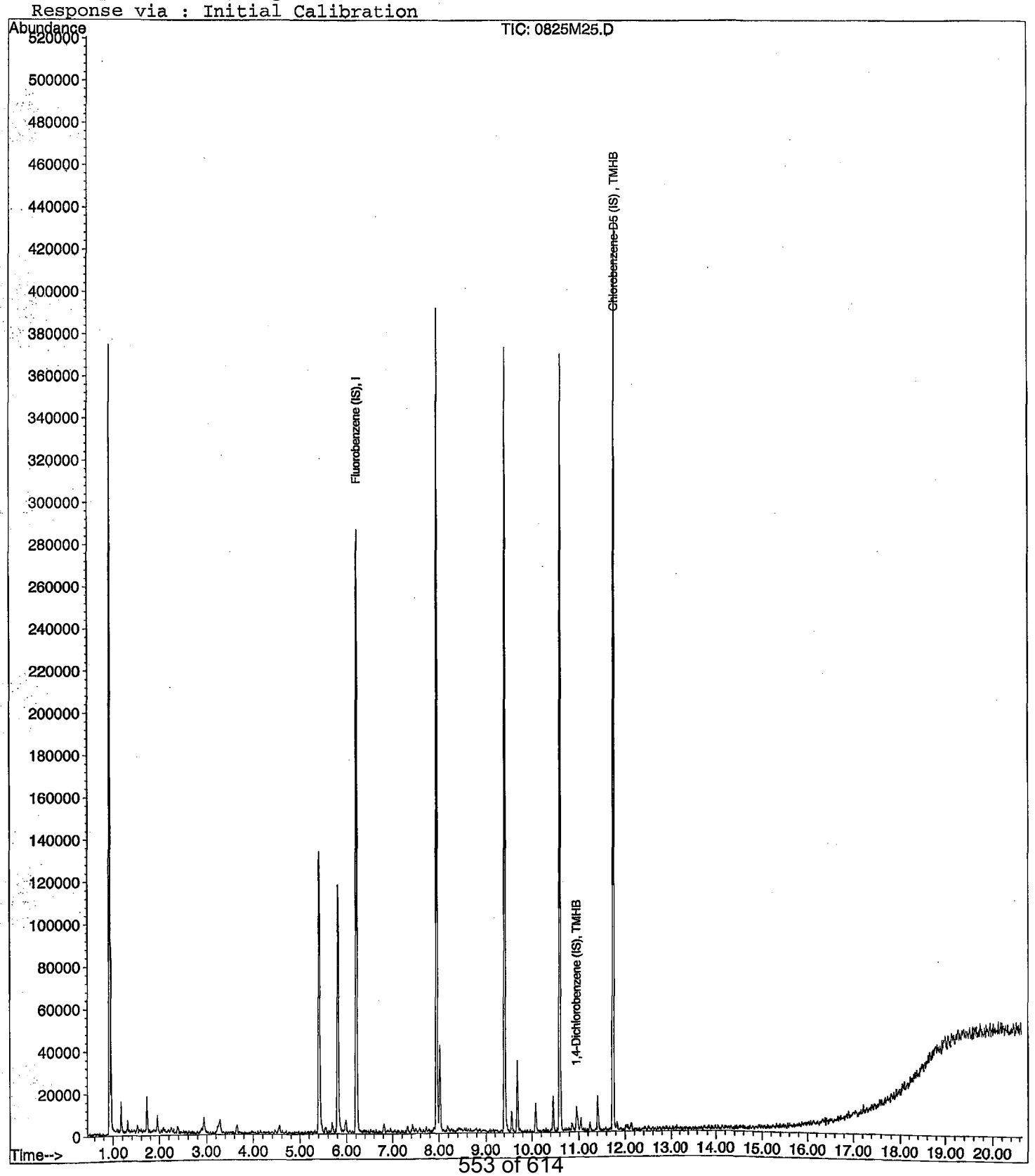
Quantitation Report

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: Oct 29 14:41 2021 Quant Results File: MGAS0825.RES

Method : M:\MAX\DATA\211015\MGAS0825.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 16:19:36 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\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: Oct 29 14:41 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	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	3665952m	158.15	ppb	100

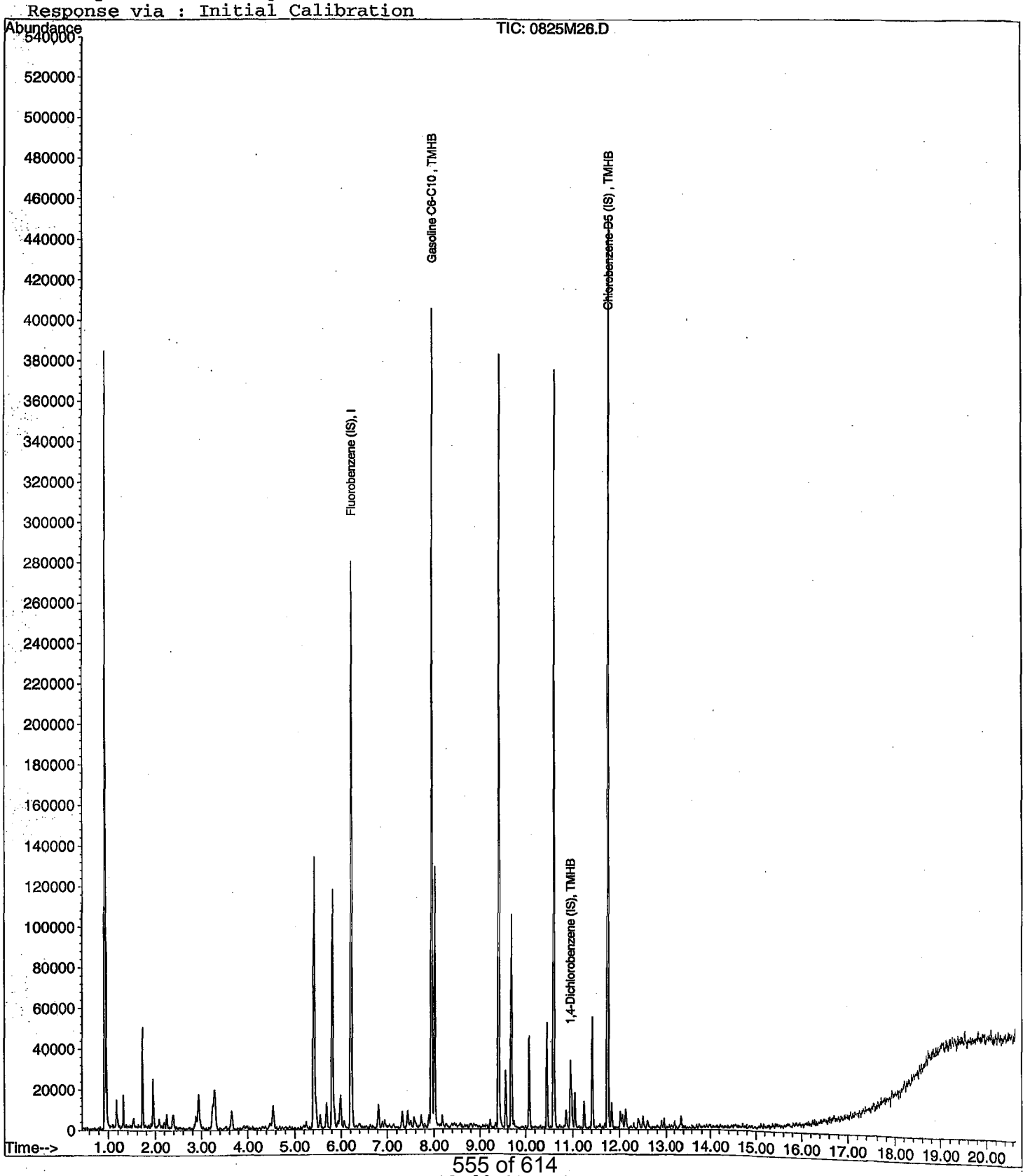
(#) = qualifier out of range (m) = manual integration
0825M26.D MGAS0825.M Tue Nov 30 13:08:21 2021 Page 1

Quantitation Report

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: Oct 29 14:41 2021 Quant Results File: MGAS0825.RES

Method : M:\MAX\DATA\211015\MGAS0825.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 16:19:36 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\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: Oct 29 14:41 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	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	4916556m	442.49	ppb	100

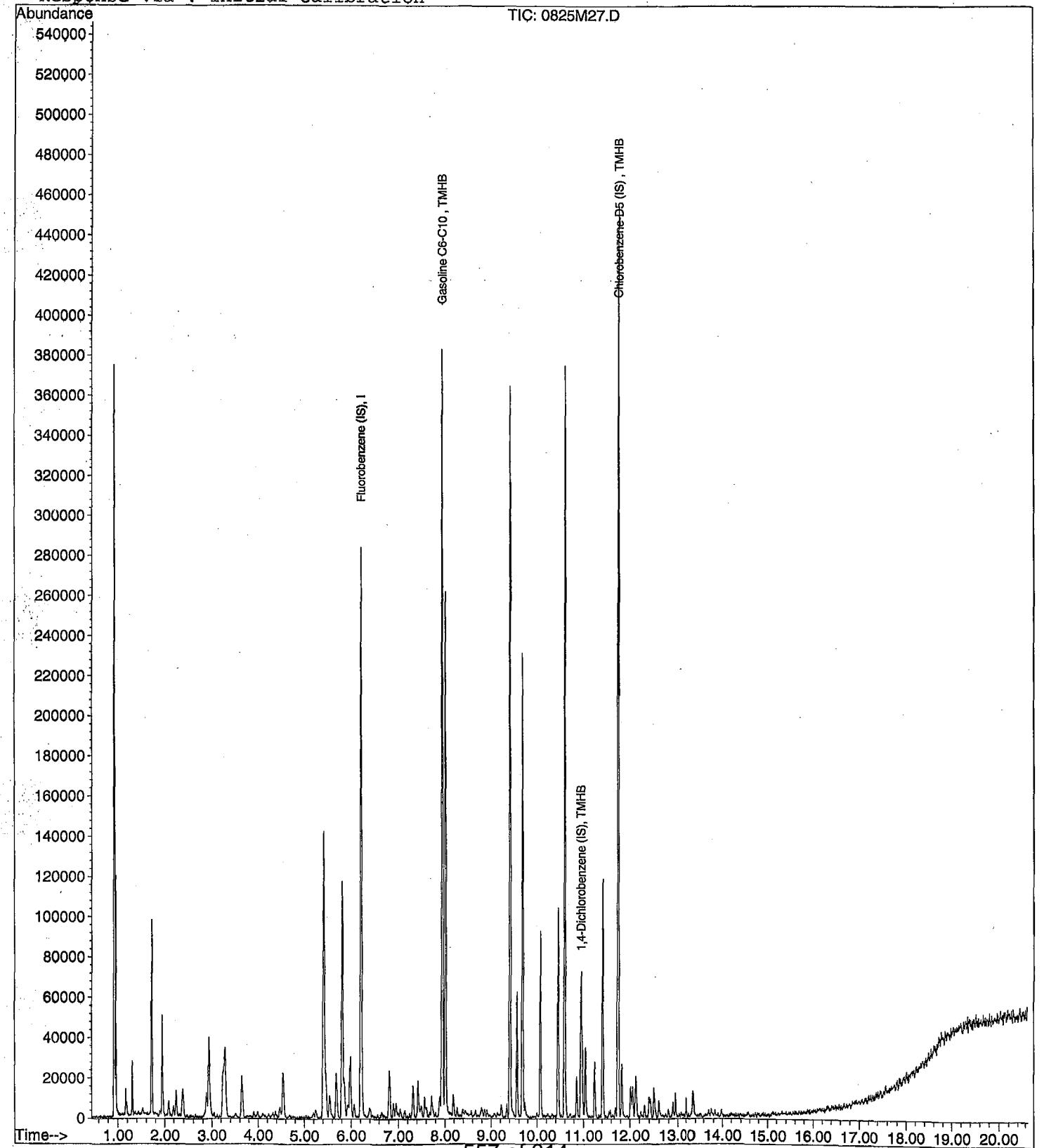
Quantitation Report

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: Oct 29 14:41 2021 Quant Results File: MGAS0825.RES

Method : M:\MAX\DATA\211015\MGAS0825.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 16:19:36 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\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: Oct 29 14:41 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	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	5800436m	628.35	ppb	100

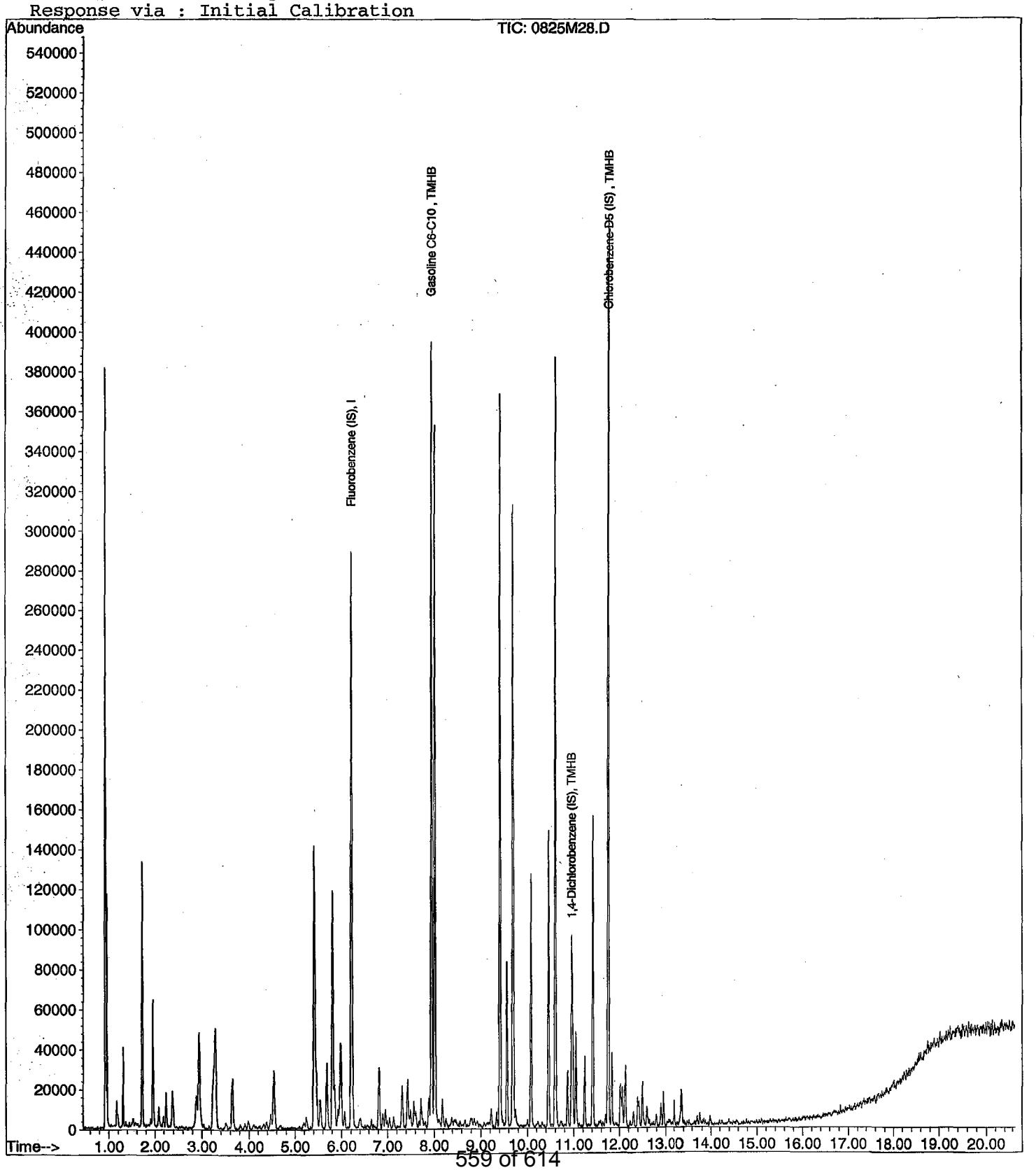
Quantitation Report

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: Oct 29 14:41 2021 Quant Results File: MGAS0825.RES

Method : M:\MAX\DATA\211015\MGAS0825.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 16:19:36 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\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: Oct 29 14:41 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	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	7.95	TIC	6556553m	816.79 ppb	100

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

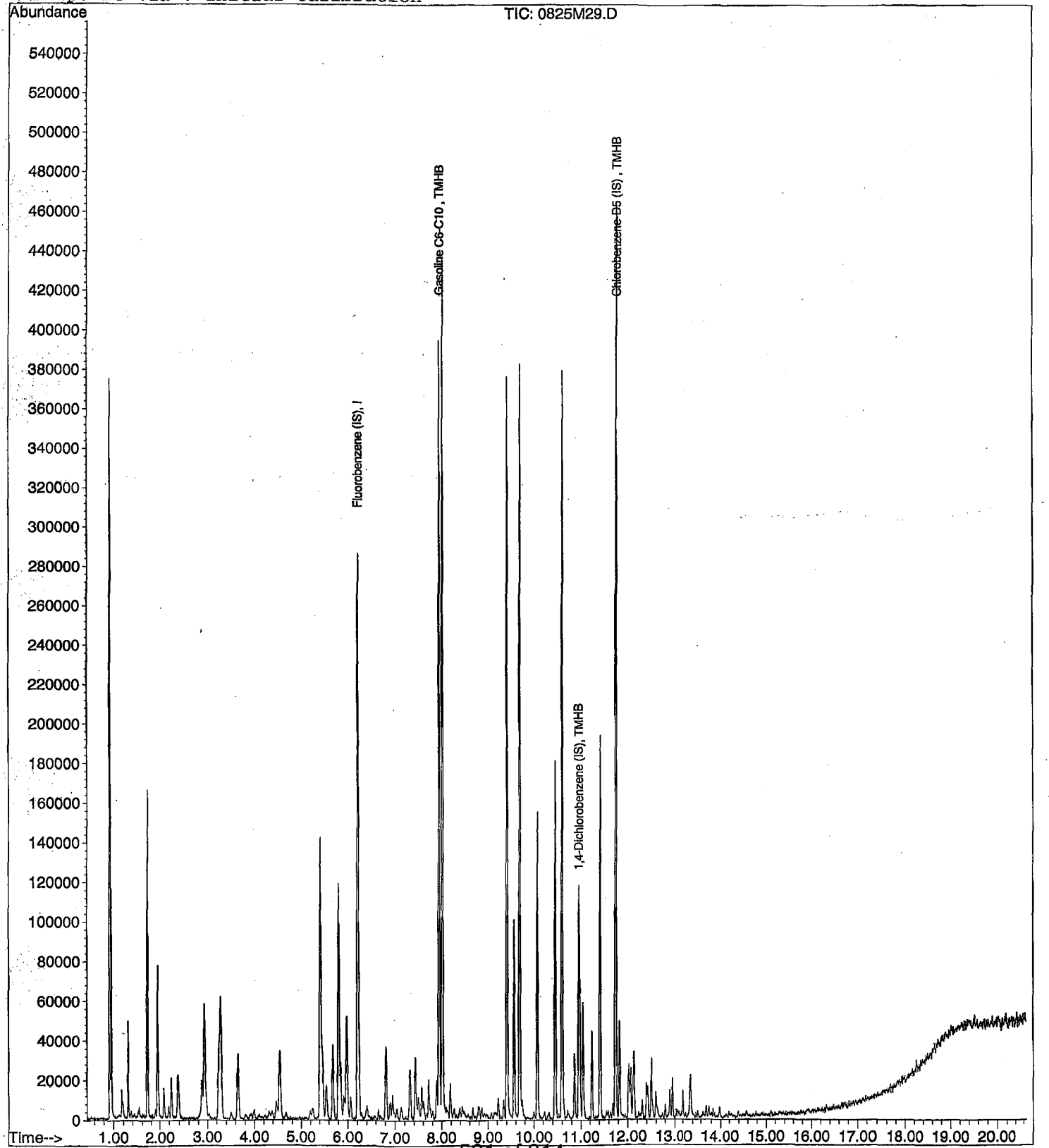
Quantitation Report

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: Oct 29 14:41 2021 Quant Results File: MGAS0825.RES

Method : M:\MAX\DATA\211015\MGAS0825.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 16:19:36 2021
Response via : Initial Calibration



VOLATILE ORGANIC ANALYSIS
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	1.331	64	TMHBL	17
2							
3							
4							
5							
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36							
37							
38							
39							
40							
		Average			64.0		

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: Oct 29 14:57 2021 Quant Results File: MGAS0825.RES

Quant Method : M:\MAX\DATA\210825\MGAS0825.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 16:19:36 2021
Response via : Initial Calibration
DataAcq Meth : M8260_081021

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	6.21	TIC	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	4524430m	352.18 ppb	100

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

0825M31.D MGAS0825.M Tue Nov 30 13:08:44 2021

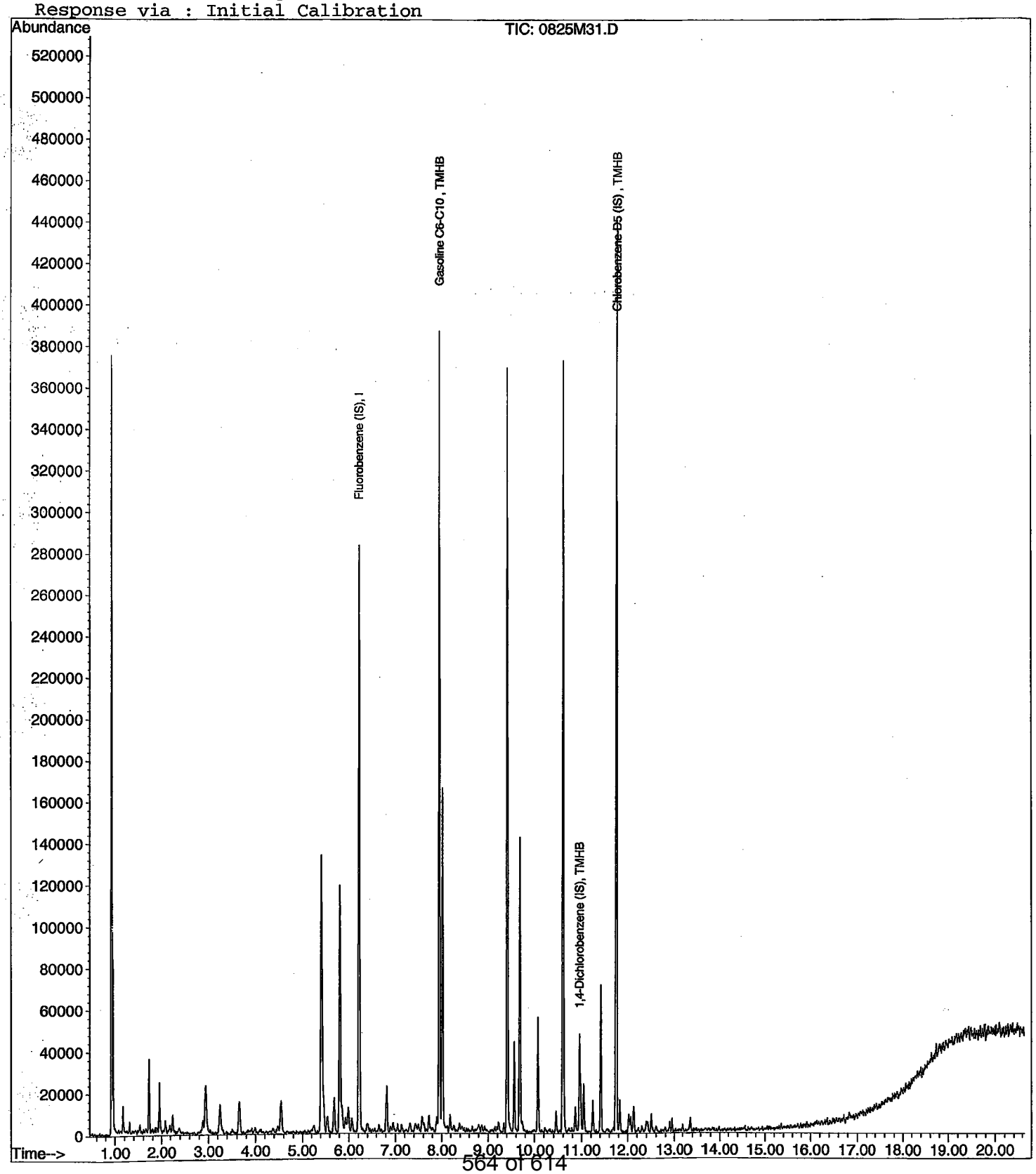
Quantitation Report

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: Oct 29 14:57 2021 Quant Results File: MGAS0825.RES

Method : M:\MAX\DATA\211015\MGAS0825.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 16:19:36 2021
Response via : Initial Calibration



VOLATILE ORGANIC ANALYSIS
VOLATILE ORGANIC COMPOUNDS

Form 7

Continuing Calibration

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

SDG No:
Date Analyzed: 10/26/2021
Instrument: Max
Initial Cal. Date: 10/15/2021
Data File: 1026M28.D

		Compound	MEAN	CCRF	%D	%Drift	
1	I	Fluorobenzene (IS)	ISTD			I	
2	TMHB	Gasoline C6-C10	3.704	1.331	64	TMHBL	17
3	TMHB	Chlorobenzene-D5 (IS)	ISTD			TMHB	
4	TMHB	1,4-Dichlorobenzene (IS)	ISTD			TMHB	
5							
6							
7							
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39							
40							
		Average			64.0		

Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\211015\1026M28.D Vial: 28
Acq On : 26 Oct 21 21:55 Operator: LP,DG,CH
Sample : 211026B CCV 300ug/L Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 28 14:43 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)	6.37	TIC	421508	25.00 ppb	0.16
3) Chlorobenzene-D5 (IS)	11.75	TIC	1180010m	25.00 ppb	0.00
4) 1,4-Dichlorobenzene (IS)	10.94	TIC	118167m	25.00 ppb	0.00
System Monitoring Compounds					
Target Compounds					Qvalue
2) Gasoline C6-C10	8.08	TIC	6729880m	351.94 ppb	100

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

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211015\1026M28.D Vial: 28
Acq On : 26 Oct 21 21:55 Operator: LP,DG,CH
Sample : 211026B CCV 300ug/L Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Nov 30 12:58 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)	6.37	96	351549	25.00	ppb	0.16
4) Chlorobenzene-D5 (IS)	9.53	117	334953	25.00	ppb	0.12
7) 1,4-Dichlorobenzene-D (IS)	11.84	152	221397	25.00	ppb	0.10
System Monitoring Compounds						
2) Dibromofluoromethane(S)	5.59	111	118199	27.88	ppb	0.18
Spiked Amount 25.000			Recovery =	111.516%		
3) 1,2-DCA-D4(S)	5.98	65	78160	28.05	ppb	0.17
Spiked Amount 25.000			Recovery =	112.212%		
5) Toluene-D8(S)	8.08	98	386568	24.61	ppb	0.13
Spiked Amount 25.000			Recovery =	98.444%		
6) 4-Bromofluorobenzene(S)	10.70	95	156655	25.56	ppb	0.11
Spiked Amount 25.000			Recovery =	102.252%		

Target Compounds Qvalue

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

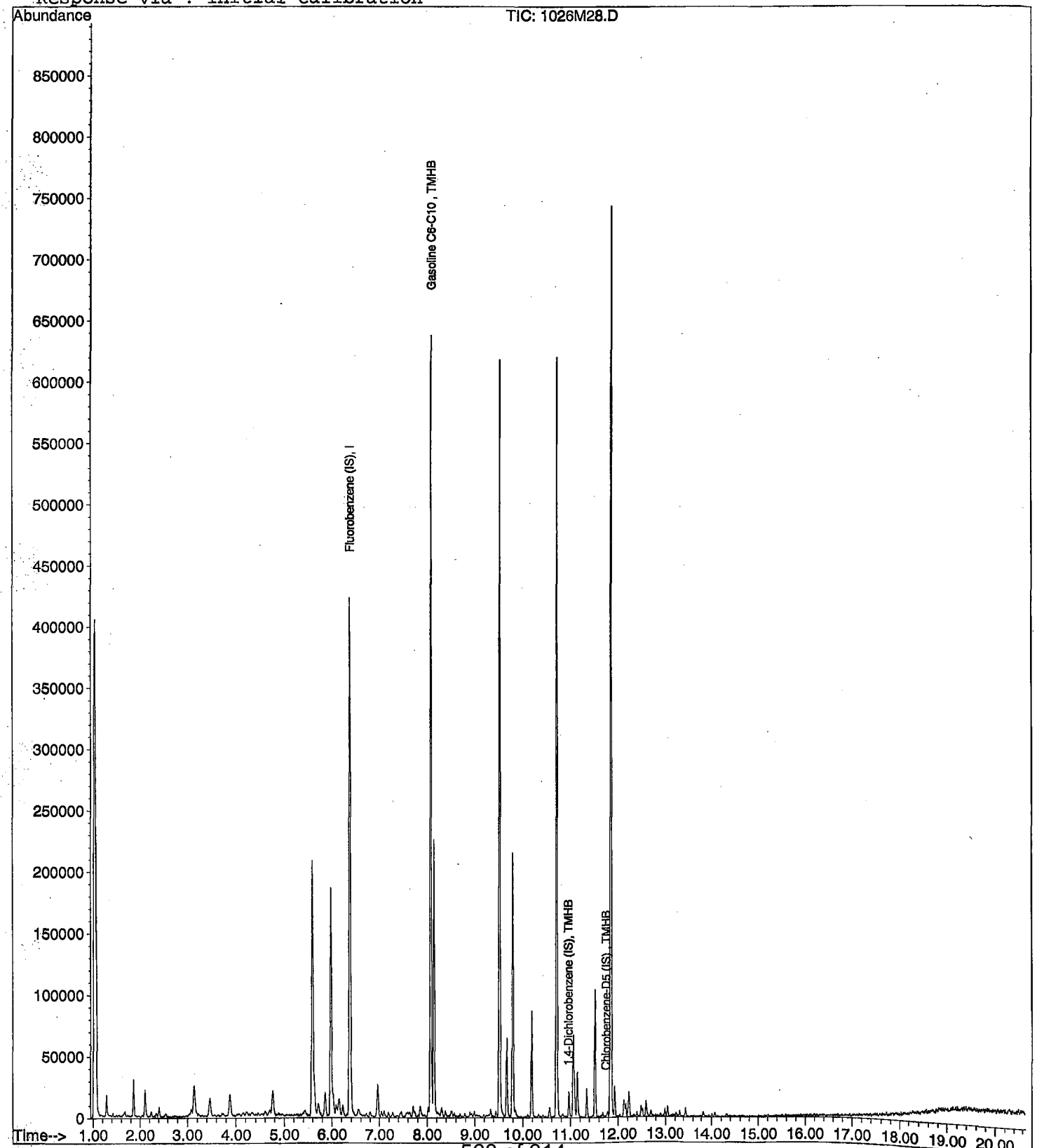
Quantitation Report

Data File : M:\MAX\DATA\211015\1026M28.D
Acq On : 26 Oct 21 21:55
Sample : 211026B CCV 300ug/L
Misc : IS&S 8/4/21

Vial: 28
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Oct 28 14:43 2021 Quant Results File: MGAS0825.RES

Method : M:\MAX\DATA\211015\MGAS0825.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 16:19:36 2021
Response via : Initial Calibration



VOLATILE ORGANIC ANALYSIS
VOLATILE ORGANIC COMPOUNDS

Form 7

Continuing Calibration

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

SDG No:
Date Analyzed: 10/27/2021
Instrument: Max
Initial Cal. Date: 8/25/2021
Data File: 1026M46.D

		Compound	MEAN	CCRF	%D		%Drift
1	I	Fluorobenzene (IS)	ISTD			I	
2	TMHB	Gasoline C6-C10	3.704	1.290	65	TMHBL	6.5
3	TMHB	Chlorobenzene-D5 (IS)	ISTD			TMHB	
4	TMHB	1,4-Dichlorobenzene (IS)	ISTD			TMHB	
5							
6							
7							
8							
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40							
		Average			65.0		

Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\211015\1026M46.D
Acq On : 27 Oct 21 6:23
Sample : Ending CCV 300ug/L 10/26/21
Misc : IS&S 8/4/21

Vial: 46
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Oct 28 14:45 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)	6.37	TIC	470524	25.00	ppb	0.16
3) Chlorobenzene-D5 (IS)	11.75	TIC	1183520m	25.00	ppb	0.00
4) 1,4-Dichlorobenzene (IS)	10.94	TIC	119761m	25.00	ppb	0.00
System Monitoring Compounds						
Target Compounds						Qvalue
2) Gasoline C6-C10	8.07	TIC	7285476m	319.49	ppb	100

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211015\1026M46.D Vial: 46
Acq On : 27 Oct 21 6:23 Operator: LP,DG,CH
Sample : Ending CCV 300ug/L 10/26/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Nov 30 12:58 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)	6.37	96	396759	25.00	ppb	0.16
4) Chlorobenzene-D5 (IS)	9.52	117	359461	25.00	ppb	0.11
7) 1,4-Dichlorobenzene-D (IS)	11.84	152	220969	25.00	ppb	0.10
System Monitoring Compounds						
2) Dibromofluoromethane(S)	5.59	111	123394	25.79	ppb	0.17
Spiked Amount 25.000			Recovery = 103.152%			
3) 1,2-DCA-D4(S)	5.98	65	82680	26.29	ppb	0.16
Spiked Amount 25.000			Recovery = 105.176%			
5) Toluene-D8(S)	8.08	98	418985	24.86	ppb	0.13
Spiked Amount 25.000			Recovery = 99.424%			
6) 4-Bromofluorobenzene(S)	10.70	95	157445	23.94	ppb	0.10
Spiked Amount 25.000			Recovery = 95.764%			

Target Compounds Qvalue

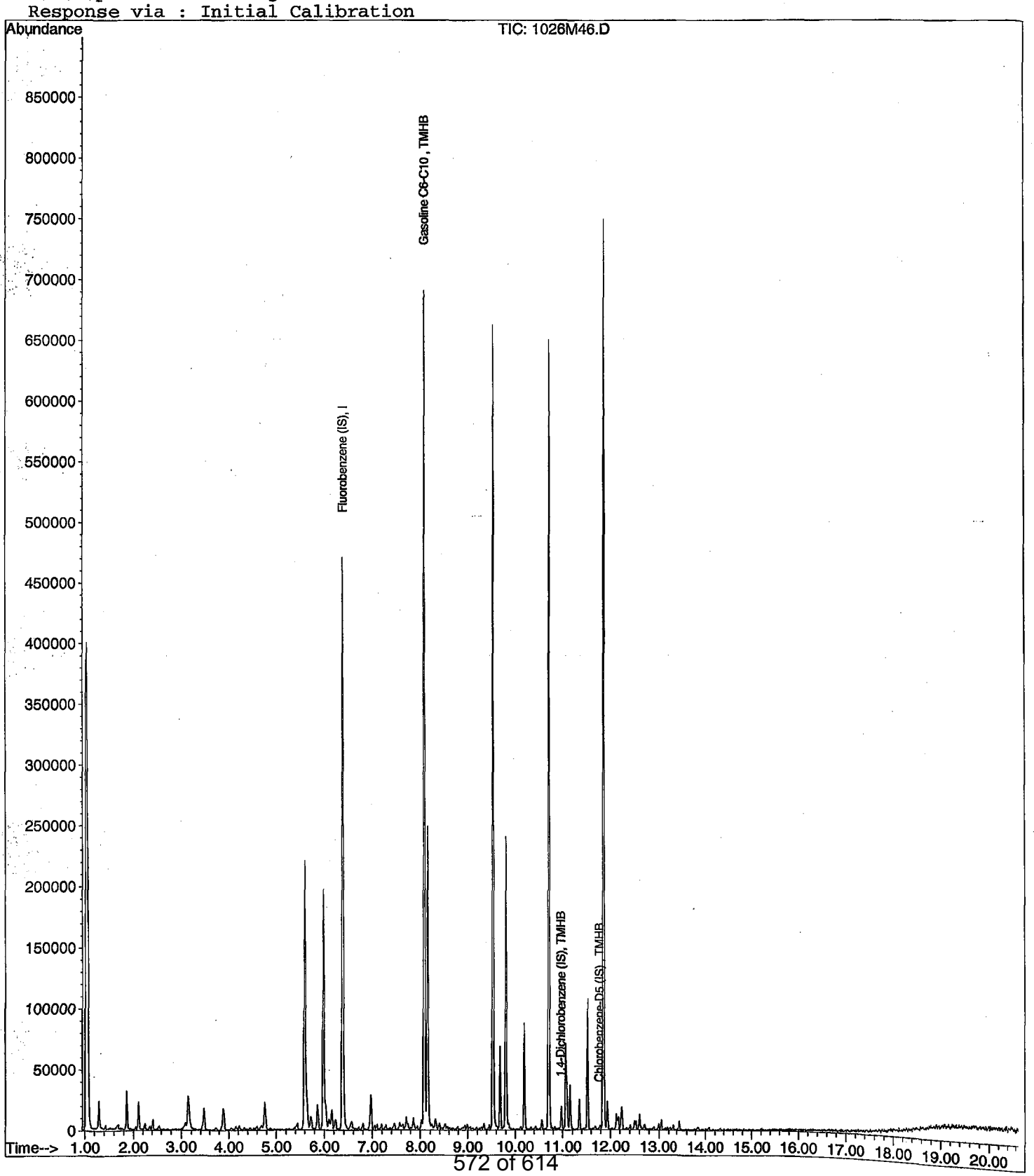
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\MAX\DATA\211015\1026M46.D Vial: 46
Acq On : 27 Oct 21 6:23 Operator: LP,DG,CH
Sample : Ending CCV 300ug/L 10/26/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 28 14:45 2021 Quant Results File: MGAS0825.RES

Method : M:\MAX\DATA\211015\MGAS0825.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 16:19:36 2021
Response via : Initial Calibration



ORGANICS
Raw Data

Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\211015\1026M37.D Vial: 37
Acq On : 27 Oct 21 2:09 Operator: LP,DG,CH
Sample : BA44047W01 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Nov 30 12:54 2021 Quant Results File: MGAS0825.RES

Quant Method : M:\MAX\DATA\211015\MGAS0825.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 16:19:36 2021
Response via : Initial Calibration
DataAcq Meth : M8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.37	TIC	428338	25.00	ppb	0.16
3) Chlorobenzene-D5 (IS)	11.75	TIC	1086812m	25.00	ppb	0.00
4) 1,4-Dichlorobenzene (IS)	10.94	TIC	7588m	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\211015\1026M37.D Vial: 37
Acq On : 27 Oct 21 2:09 Operator: LP,DG,CH
Sample : BA44047W01 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Nov 30 12:58 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)	6.37	96	359065	25.00	ppb	0.16
4) Chlorobenzene-D5 (IS)	9.53	117	328826	25.00	ppb	0.12
7) 1,4-Dichlorobenzene-D (IS)	11.85	152	207629	25.00	ppb	0.10
System Monitoring Compounds						
2) Dibromofluoromethane(S)	5.59	111	116537	26.91	ppb	0.18
Spiked Amount 25.000			Recovery =	107.648%		
3) 1,2-DCA-D4(S)	5.98	65	82552	29.01	ppb	0.16
Spiked Amount 25.000			Recovery =	116.036%		
5) Toluene-D8(S)	8.08	98	382834	24.83	ppb	0.13
Spiked Amount 25.000			Recovery =	99.308%		
6) 4-Bromofluorobenzene(S)	10.70	95	149923	24.92	ppb	0.11
Spiked Amount 25.000			Recovery =	99.684%		

Target Compounds Qvalue

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

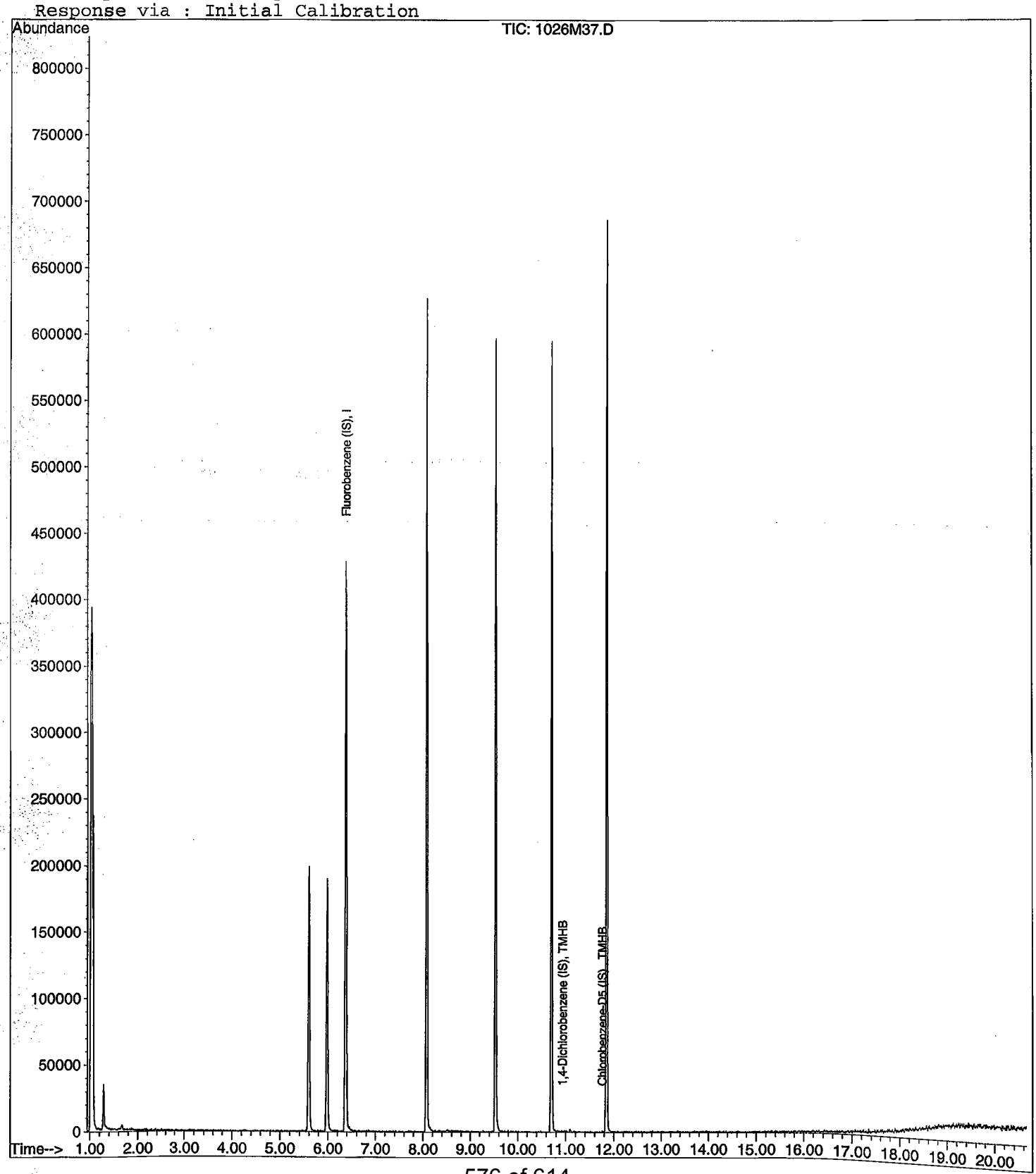
5/5/2022

Quantitation Report

Data File : M:\MAX\DATA\211015\1026M37.D Vial: 37
Acq On : 27 Oct 21 2:09 Operator: LP,DG,CH
Sample : BA44047W01 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Nov 30 12:54 2021 Quant Results File: MGAS0825.RES

Method : M:\MAX\DATA\211015\MGAS0825.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 16:19:36 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\211015\1026M38.D Vial: 38
Acq On : 27 Oct 21 2:37 Operator: LP,DG,CH
Sample : BA44048W01 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Nov 30 12:54 2021 Quant Results File: MGAS0825.RES

Quant Method : M:\MAX\DATA\211015\MGAS0825.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 16:19:36 2021
Response via : Initial Calibration
DataAcq Meth : M8260

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	6.37	TIC	450849	25.00 ppb	0.16
3) Chlorobenzene-D5 (IS)	11.75	TIC	1116320m	25.00 ppb	0.00
4) 1,4-Dichlorobenzene (IS)	10.94	TIC	8725m	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\211015\1026M38.D Vial: 38
Acq On : 27 Oct 21 2:37 Operator: LP,DG,CH
Sample : BA44048W01 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Nov 30 12:58 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)	6.37	96	379768	25.00	ppb	0.16
4) Chlorobenzene-D5 (IS)	9.52	117	343456	25.00	ppb	0.11
7) 1,4-Dichlorobenzene-D (IS)	11.85	152	207230	25.00	ppb	0.10
System Monitoring Compounds						
2) Dibromofluoromethane(S)	5.59	111	122831	26.82	ppb	0.17
Spiked Amount 25.000			Recovery =	107.276%		
3) 1,2-DCA-D4(S)	5.98	65	81368	27.03	ppb	0.16
Spiked Amount 25.000			Recovery =	108.140%		
5) Toluene-D8(S)	8.08	98	390747	24.26	ppb	0.13
Spiked Amount 25.000			Recovery =	97.044%		
6) 4-Bromofluorobenzene(S)	10.70	95	151288	24.08	ppb	0.11
Spiked Amount 25.000			Recovery =	96.304%		

Target Compounds Qvalue

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

Quantitation Report

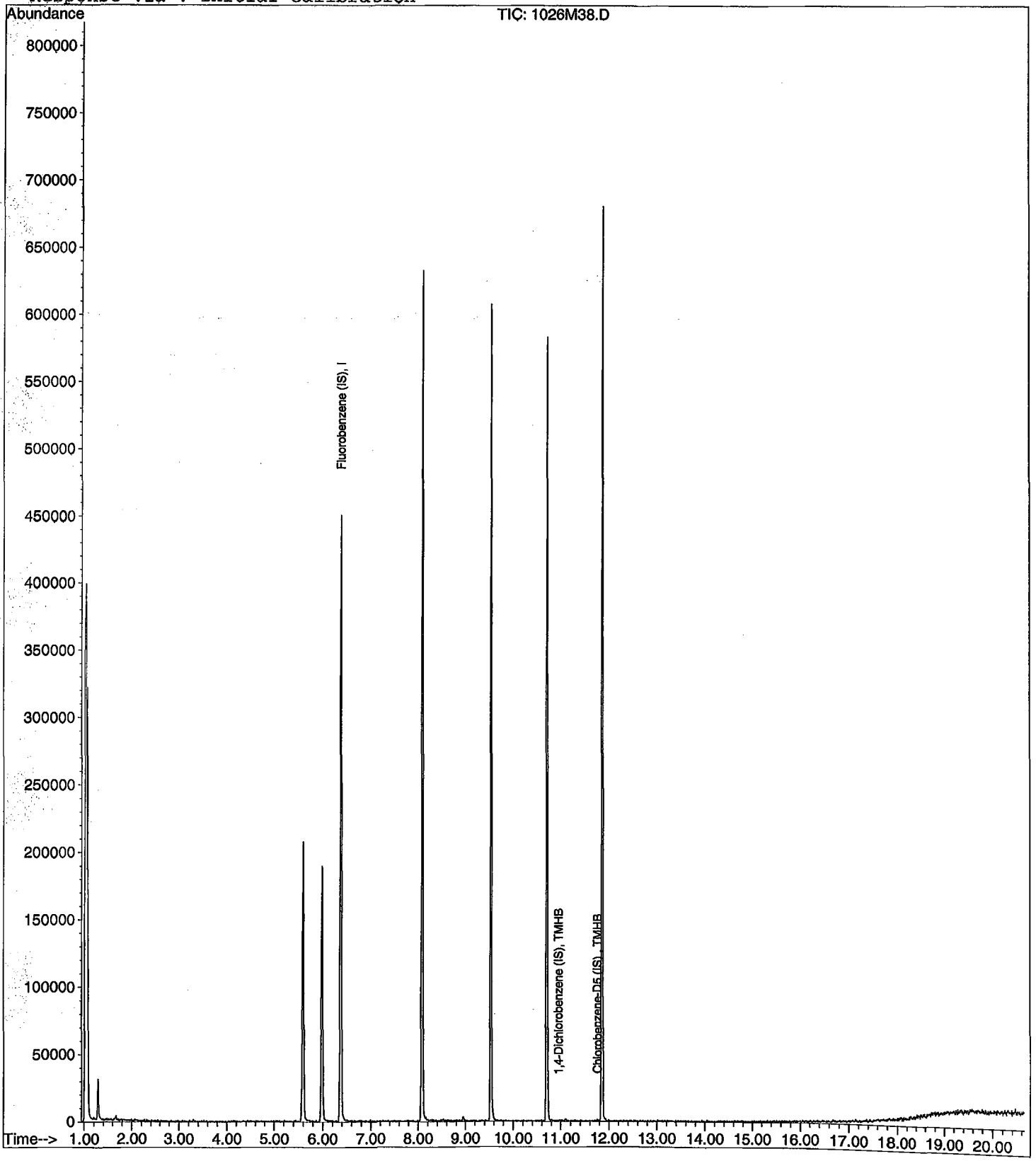
Data File : M:\MAX\DATA\211015\1026M38.D
Acq On : 27 Oct 21 2:37
Sample : BA44048W01
Misc : IS&S 8/4/21

Vial: 38
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Nov 30 12:54 2021

Quant Results File: MGAS0825.RES

Method : M:\MAX\DATA\211015\MGAS0825.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 16:19:36 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\211015\1026M39.D Vial: 39
Acq On : 27 Oct 21 3:06 Operator: LP,DG,CH
Sample : BA44049W01 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Nov 30 12:53 2021 Quant Results File: MGAS0825.RES

Quant Method : M:\MAX\DATA\211015\MGAS0825.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 16:19:36 2021
Response via : Initial Calibration
DataAcq Meth : M8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.37	TIC	448523	25.00	ppb	0.16
3) Chlorobenzene-D5 (IS)	11.75	TIC	1112350m	25.00	ppb	0.00
4) 1,4-Dichlorobenzene (IS)	10.94	TIC	5199m	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\211015\1026M39.D Vial: 39
Acq On : 27 Oct 21 3:06 Operator: LP,DG,CH
Sample : BA44049W01 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Nov 30 12:58 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)	6.37	96	379653	25.00	ppb	0.16
4) Chlorobenzene-D5 (IS)	9.52	117	338854	25.00	ppb	0.11
7) 1,4-Dichlorobenzene-D (IS)	11.85	152	206981	25.00	ppb	0.10
System Monitoring Compounds						
2) Dibromofluoromethane(S)	5.59	111	124609	27.22	ppb	0.17
Spiked Amount 25.000			Recovery = 108.864%			
3) 1,2-DCA-D4(S)	5.98	65	83944	27.90	ppb	0.16
Spiked Amount 25.000			Recovery = 111.596%			
5) Toluene-D8(S)	8.08	98	397393	25.01	ppb	0.13
Spiked Amount 25.000			Recovery = 100.036%			
6) 4-Bromofluorobenzene(S)	10.70	95	154885	24.98	ppb	0.11
Spiked Amount 25.000			Recovery = 99.936%			

Target Compounds Qvalue

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

Quantitation Report

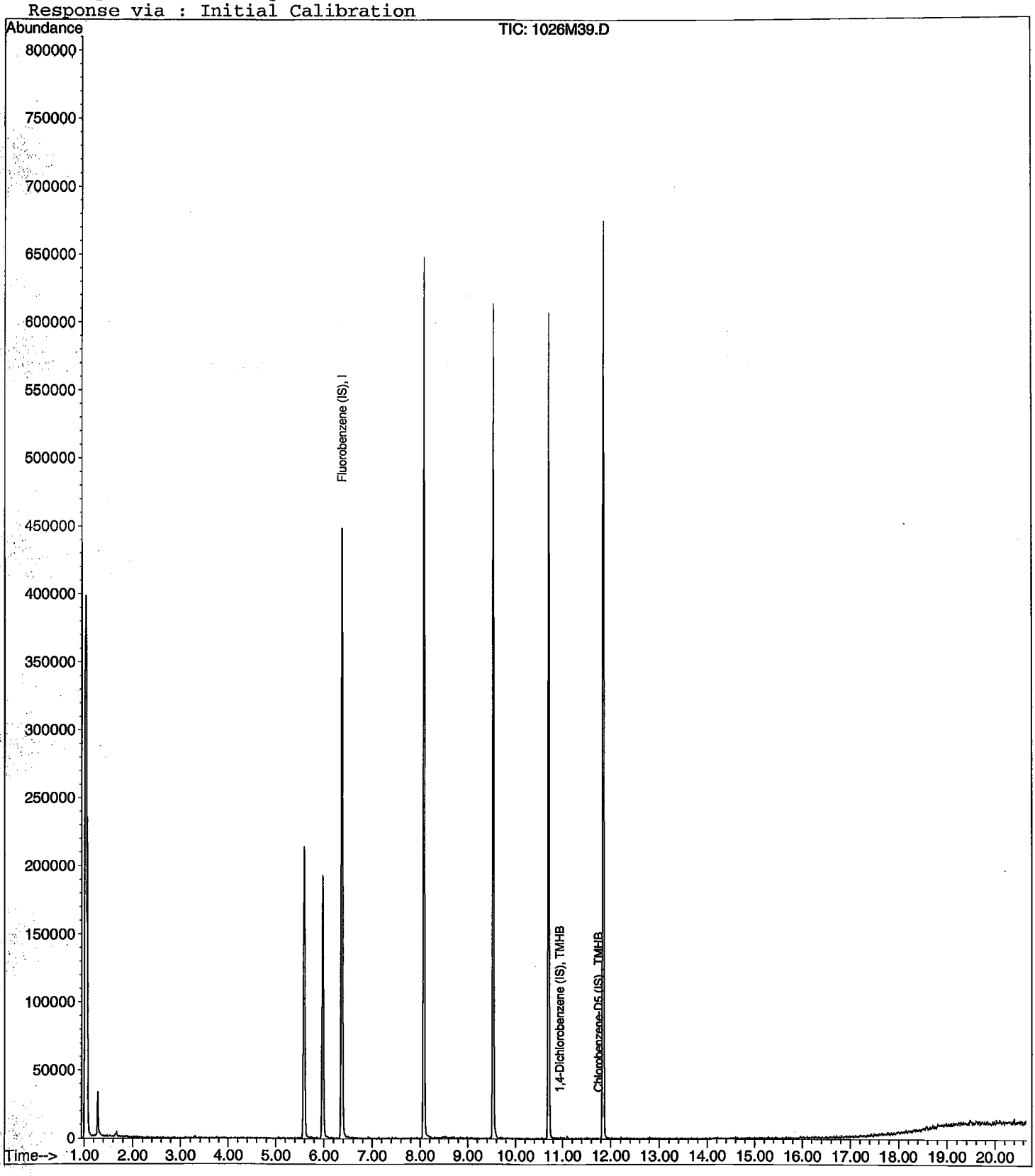
Data File : M:\MAX\DATA\211015\1026M39.D
Acq On : 27 Oct 21 3:06
Sample : BA44049W01
Misc : IS&S 8/4/21

Vial: 39
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Nov 30 12:53 2021

Quant Results File: MGAS0825.RES

Method : M:\MAX\DATA\211015\MGAS0825.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 16:19:36 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\211015\1026M40.D
Acq On : 27 Oct 21 3:34
Sample : BA44050W01
Misc : IS&S 8/4/21

Vial: 40
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Nov 30 12:53 2021 Quant Results File: MGAS0825.RES

Quant Method : M:\MAX\DATA\211015\MGAS0825.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 16:19:36 2021
Response via : Initial Calibration
DataAcq Meth : M8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.37	TIC	430088	25.00	ppb	0.16
3) Chlorobenzene-D5 (IS)	11.75	TIC	1473104m	25.00	ppb	0.00
4) 1,4-Dichlorobenzene (IS)	10.94	TIC	183298m	25.00	ppb	0.00
System Monitoring Compounds						
Target Compounds						Qvalue
2) Gasoline C6-C10	10.70	TIC	5441368m	129.00	ppb	100

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

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211015\1026M40.D Vial: 40
Acq On : 27 Oct 21 3:34 Operator: LP,DG,CH
Sample : BA44050W01 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Nov 30 12:58 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)	6.37	96	369337	25.00	ppb	0.16
4) Chlorobenzene-D5 (IS)	9.52	117	360031	25.00	ppb	0.11
7) 1,4-Dichlorobenzene-D (IS)	11.84	152	236580	25.00	ppb	0.10
System Monitoring Compounds						
2) Dibromofluoromethane(S)	5.59	111	114325	25.67	ppb	0.17
Spiked Amount 25.000			Recovery = 102.668%			
3) 1,2-DCA-D4(S)	5.98	65	78144	26.70	ppb	0.16
Spiked Amount 25.000			Recovery = 106.788%			
5) Toluene-D8(S)	8.08	98	407070	24.11	ppb	0.13
Spiked Amount 25.000			Recovery = 96.444%			
6) 4-Bromofluorobenzene(S)	10.70	95	166349	25.25	ppb	0.10
Spiked Amount 25.000			Recovery = 101.016%			

Target Compounds Qvalue

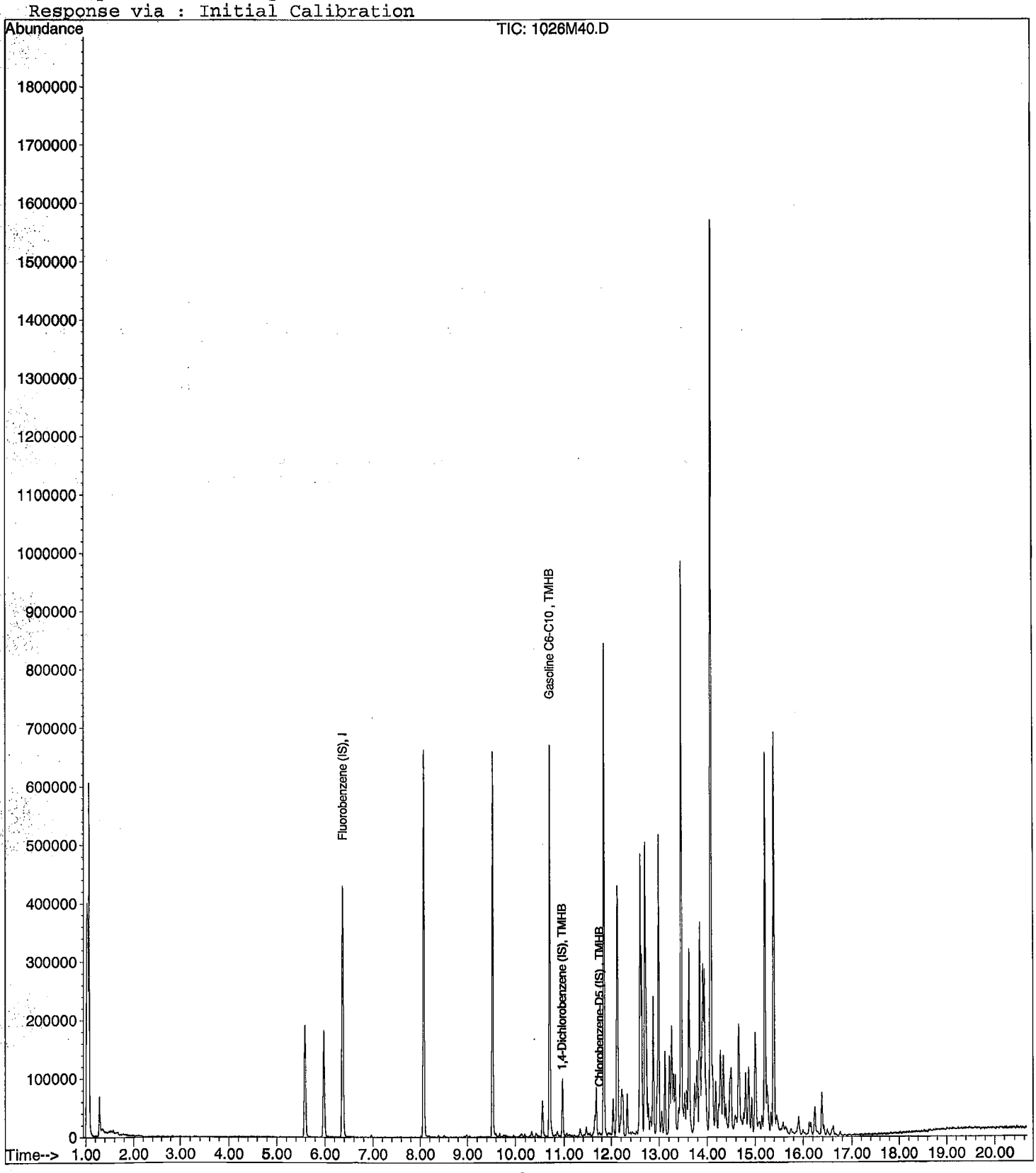
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\MAX\DATA\211015\1026M40.D Vial: 40
Acq On : 27 Oct 21 3:34 Operator: LP,DG,CH
Sample : BA44050W01 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Nov 30 12:53 2021 Quant Results File: MGAS0825.RES

Method : M:\MAX\DATA\211015\MGAS0825.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 16:19:36 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\211015\1026M41.D Vial: 41
Acq On : 27 Oct 21 4:02 Operator: LP,DG,CH
Sample : BA44051W01 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Nov 30 12:53 2021 Quant Results File: MGAS0825.RES

Quant Method : M:\MAX\DATA\211015\MGAS0825.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 16:19:36 2021
Response via : Initial Calibration
DataAcq Meth : M8260

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	6.37	TIC	467019	25.00 ppb	0.16
3) Chlorobenzene-D5 (IS)	11.75	TIC	1184318m	25.00 ppb	0.00
4) 1,4-Dichlorobenzene (IS)	10.94	TIC	7921m	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\211015\1026M41.D Vial: 41
Acq On : 27 Oct 21 4:02 Operator: LP,DG,CH
Sample : BA44051W01 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Nov 30 12:58 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)	6.37	96	397367	25.00	ppb	0.16
4) Chlorobenzene-D5 (IS)	9.52	117	356964	25.00	ppb	0.11
7) 1,4-Dichlorobenzene-D (IS)	11.84	152	220092	25.00	ppb	0.10
System Monitoring Compounds						
2) Dibromofluoromethane(S)	5.59	111	130435	27.22	ppb	0.17
Spiked Amount 25.000			Recovery = 108.872%			
3) 1,2-DCA-D4(S)	5.98	65	89352	28.37	ppb	0.16
Spiked Amount 25.000			Recovery = 113.488%			
5) Toluene-D8(S)	8.08	98	423623	25.31	ppb	0.13
Spiked Amount 25.000			Recovery = 101.228%			
6) 4-Bromofluorobenzene(S)	10.70	95	163364	25.01	ppb	0.11
Spiked Amount 25.000			Recovery = 100.056%			

Target Compounds Qvalue

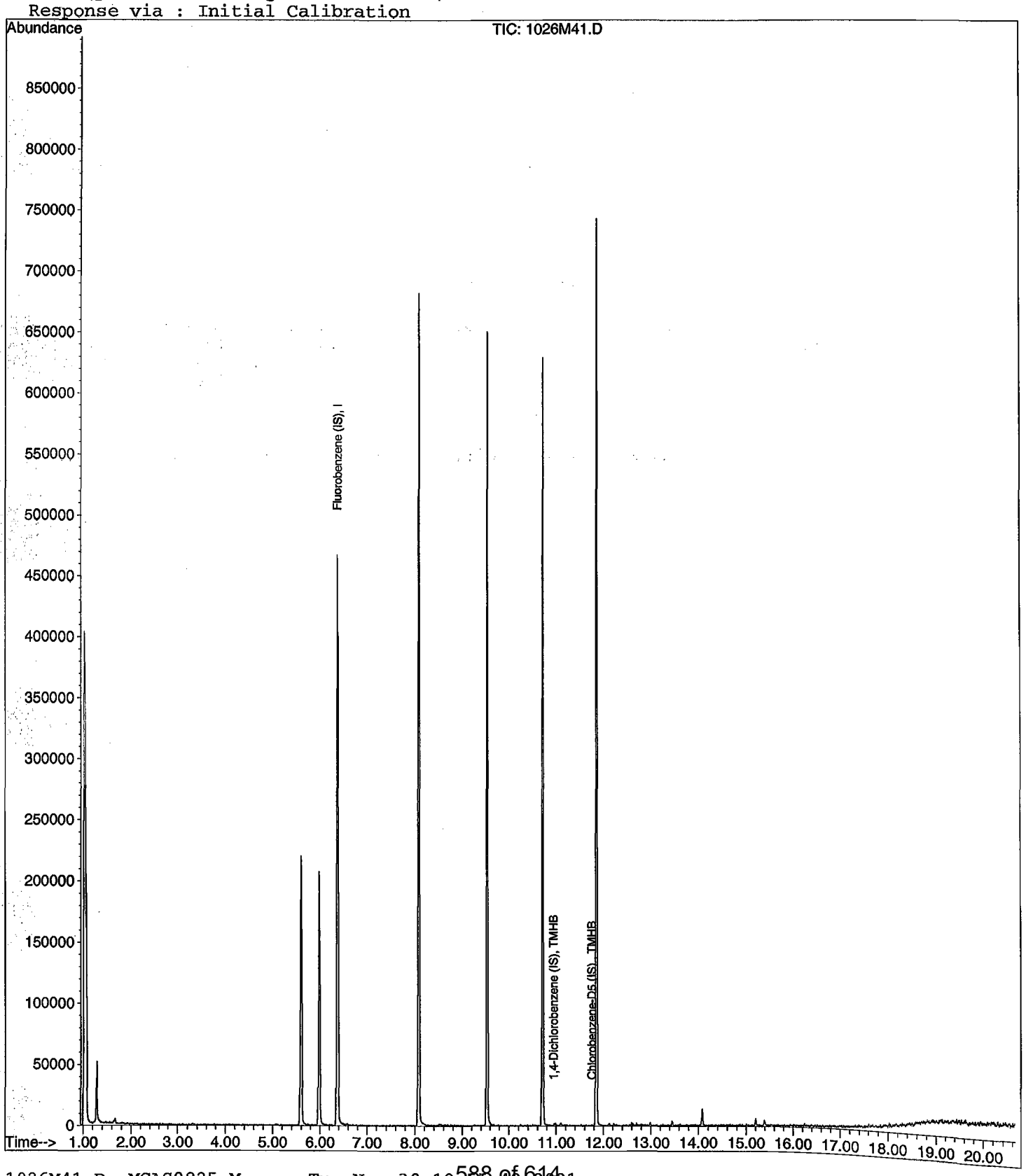
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\MAX\DATA\211015\1026M41.D Vial: 41
Acq On : 27 Oct 21 4:02 Operator: LP,DG,CH
Sample : BA44051W01 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Nov 30 12:53 2021 Quant Results File: MGAS0825.RES

Method : M:\MAX\DATA\211015\MGAS0825.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 16:19:36 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\211015\1026M42.D Vial: 42
Acq On : 27 Oct 21 4:30 Operator: LP,DG,CH
Sample : BA44052W01 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Nov 30 12:53 2021 Quant Results File: MGAS0825.RES

Quant Method : M:\MAX\DATA\211015\MGAS0825.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 16:19:36 2021
Response via : Initial Calibration
DataAcq Meth : M8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.37	TIC	462611	25.00	ppb	0.16
3) Chlorobenzene-D5 (IS)	11.75	TIC	1157031m	25.00	ppb	0.00
4) 1,4-Dichlorobenzene (IS)	10.94	TIC	8278m	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\211015\1026M42.D Vial: 42
Acq On : 27 Oct 21 4:30 Operator: LP,DG,CH
Sample : BA44052W01 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Nov 30 12:58 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)	6.37	96	391505	25.00	ppb	0.16
4) Chlorobenzene-D5 (IS)	9.52	117	353790	25.00	ppb	0.11
7) 1,4-Dichlorobenzene-D (IS)	11.85	152	217480	25.00	ppb	0.10
System Monitoring Compounds						
2) Dibromofluoromethane(S)	5.59	111	123456	26.15	ppb	0.17
Spiked Amount 25.000			Recovery = 104.592%			
3) 1,2-DCA-D4(S)	5.98	65	83392	26.88	ppb	0.16
Spiked Amount 25.000			Recovery = 107.504%			
5) Toluene-D8(S)	8.08	98	407594	24.57	ppb	0.13
Spiked Amount 25.000			Recovery = 98.272%			
6) 4-Bromofluorobenzene(S)	10.70	95	161339	24.93	ppb	0.11
Spiked Amount 25.000			Recovery = 99.704%			

Target Compounds Qvalue

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

Quantitation Report

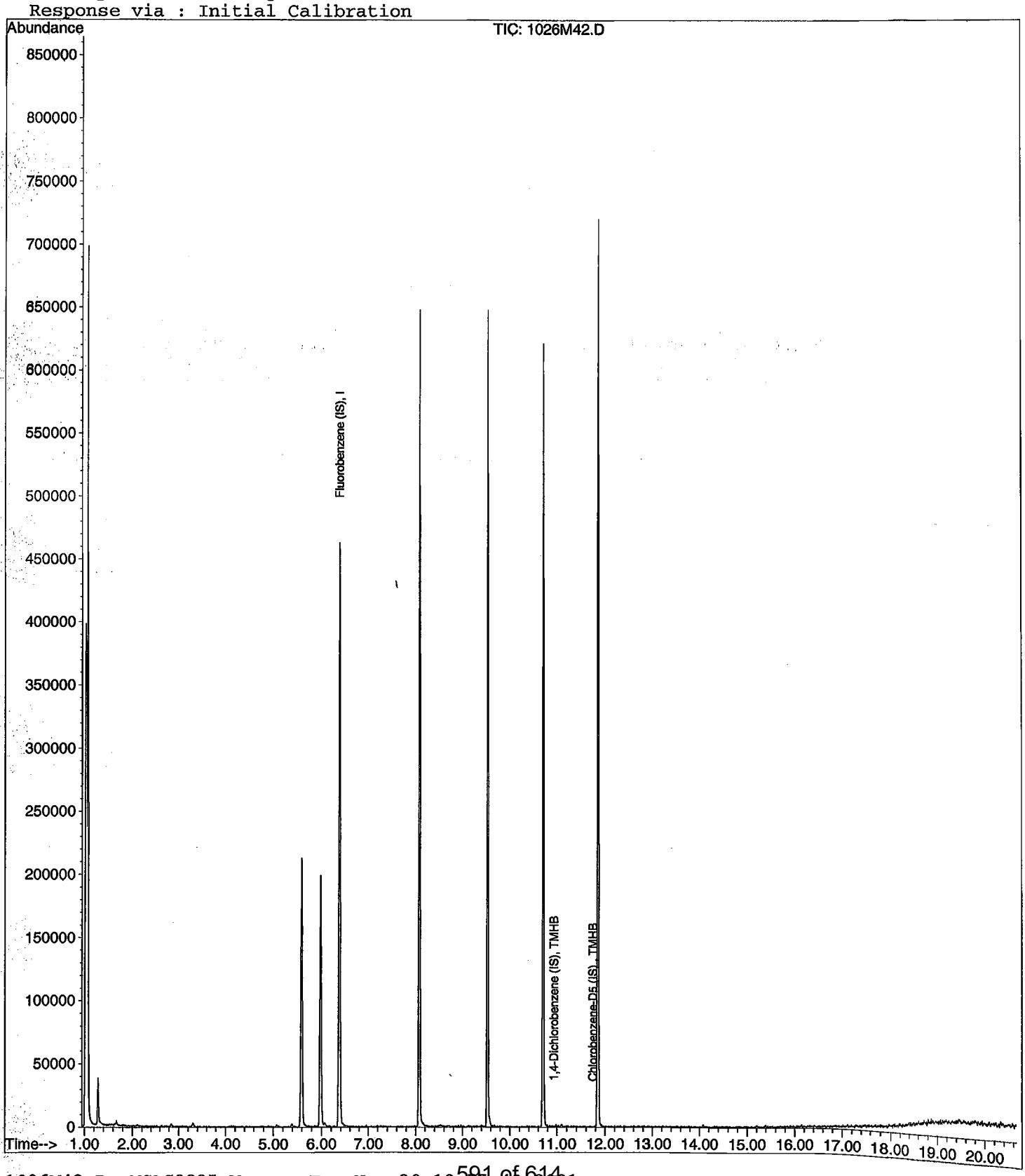
Data File : M:\MAX\DATA\211015\1026M42.D
Acq On : 27 Oct 21 4:30
Sample : BA44052W01
Misc : IS&S 8/4/21

Vial: 42
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Nov 30 12:53 2021

Quant Results File: MGAS0825.RES

Method : M:\MAX\DATA\211015\MGAS0825.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 16:19:36 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\211015\1026M43.D Vial: 43
Acq On : 27 Oct 21 4:59 Operator: LP,DG,CH
Sample : BA44053W01 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Nov 30 12:52 2021 Quant Results File: MGAS0825.RES

Quant Method : M:\MAX\DATA\211015\MGAS0825.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 16:19:36 2021
Response via : Initial Calibration
DataAcq Meth : M8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.37	TIC	464162	25.00	ppb	0.16
3) Chlorobenzene-D5 (IS)	11.75	TIC	1163462m	25.00	ppb	0.00
4) 1,4-Dichlorobenzene (IS)	10.94	TIC	8911m	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\211015\1026M43.D Vial: 43
Acq On : 27 Oct 21 4:59 Operator: LP,DG,CH
Sample : BA44053W01 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Nov 30 12:58 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)	6.37	96	392001	25.00 ppb	0.16
4) Chlorobenzene-D5 (IS)	9.52	117	358499	25.00 ppb	0.11
7) 1,4-Dichlorobenzene-D (IS)	11.84	152	215883	25.00 ppb	0.10
System Monitoring Compounds					
2) Dibromofluoromethane(S)	5.59	111	124255	26.28 ppb	0.17
Spiked Amount 25.000			Recovery =	105.132%	
3) 1,2-DCA-D4(S)	5.98	65	82096	26.43 ppb	0.16
Spiked Amount 25.000			Recovery =	105.700%	
5) Toluene-D8(S)	8.08	98	413466	24.59 ppb	0.13
Spiked Amount 25.000			Recovery =	98.376%	
6) 4-Bromofluorobenzene(S)	10.70	95	162953	24.84 ppb	0.10
Spiked Amount 25.000			Recovery =	99.380%	

Target Compounds Qvalue

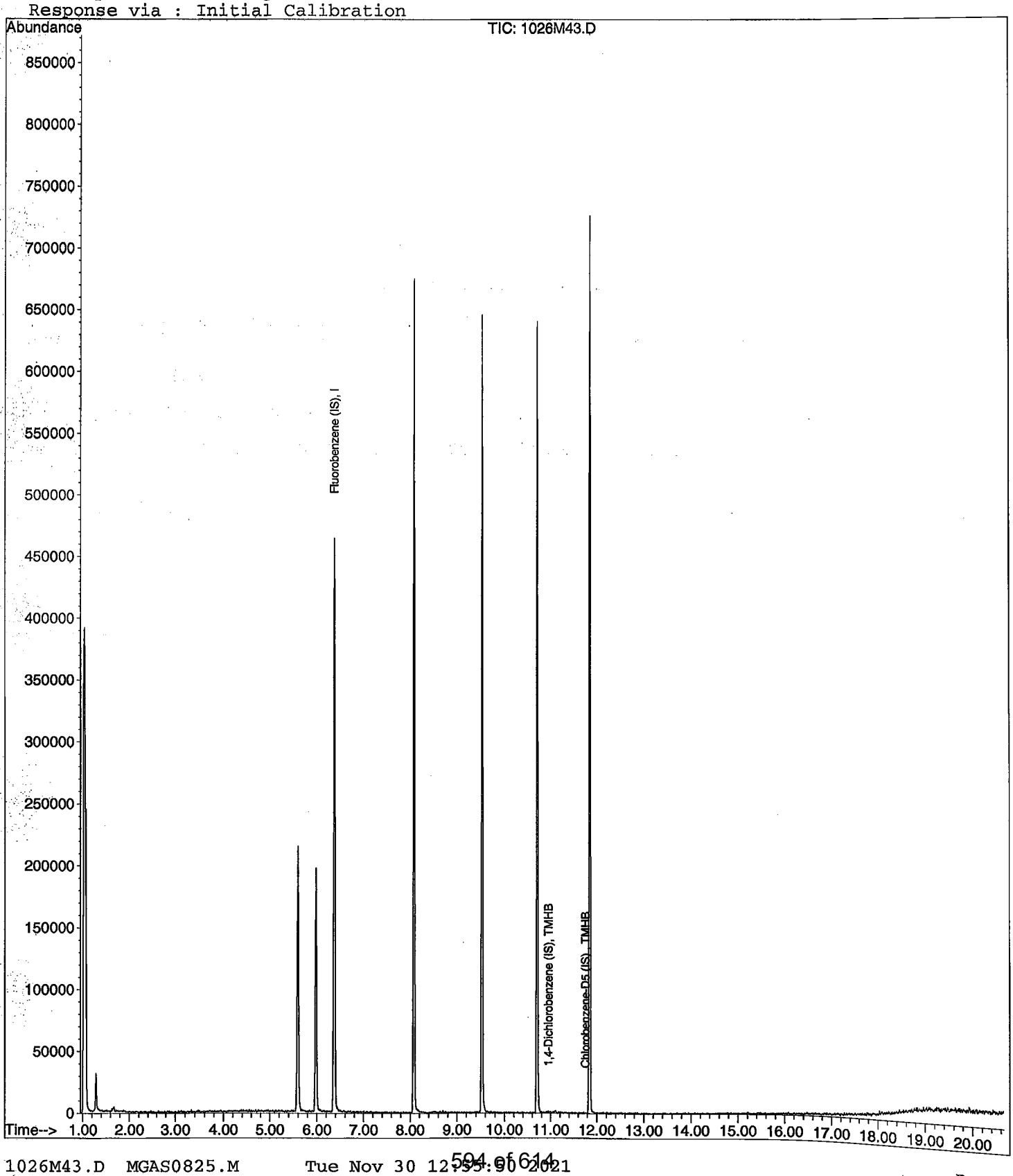
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\MAX\DATA\211015\1026M43.D Vial: 43
Acq On : 27 Oct 21 4:59 Operator: LP,DG,CH
Sample : BA44053W01 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Nov 30 12:52 2021 Quant Results File: MGAS0825.RES

Method : M:\MAX\DATA\211015\MGAS0825.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 16:19:36 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\211015\1026M44.D Vial: 44
Acq On : 27 Oct 21 5:27 Operator: LP,DG,CH
Sample : BA44054W01 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Nov 30 12:52 2021 Quant Results File: MGAS0825.RES

Quant Method : M:\MAX\DATA\211015\MGAS0825.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 16:19:36 2021
Response via : Initial Calibration
DataAcq Meth : M8260

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	6.37	TIC	461663	25.00 ppb	0.16
3) Chlorobenzene-D5 (IS)	11.75	TIC	1250596m	25.00 ppb	0.00
4) 1,4-Dichlorobenzene (IS)	10.94	TIC	22433m	25.00 ppb	0.00
System Monitoring Compounds					
Target Compounds					Qvalue
2) Gasoline C6-C10	8.08	TIC	5103198m	21.53 ppb	100

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

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211015\1026M44.D Vial: 44
Acq On : 27 Oct 21 5:27 Operator: LP,DG,CH
Sample : BA44054W01 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Nov 30 12:58 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)	6.37	96	392419	25.00	ppb	0.16
4) Chlorobenzene-D5 (IS)	9.52	117	357373	25.00	ppb	0.11
7) 1,4-Dichlorobenzene-D (IS)	11.84	152	227146	25.00	ppb	0.10
System Monitoring Compounds						
2) Dibromofluoromethane(S)	5.59	111	119822	25.32	ppb	0.17
Spiked Amount 25.000			Recovery = 101.276%			
3) 1,2-DCA-D4(S)	5.98	65	82600	26.56	ppb	0.16
Spiked Amount 25.000			Recovery = 106.236%			
5) Toluene-D8(S)	8.08	98	412495	24.61	ppb	0.13
Spiked Amount 25.000			Recovery = 98.456%			
6) 4-Bromofluorobenzene(S)	10.70	95	158873	24.30	ppb	0.10
Spiked Amount 25.000			Recovery = 97.196%			

Target Compounds Qvalue

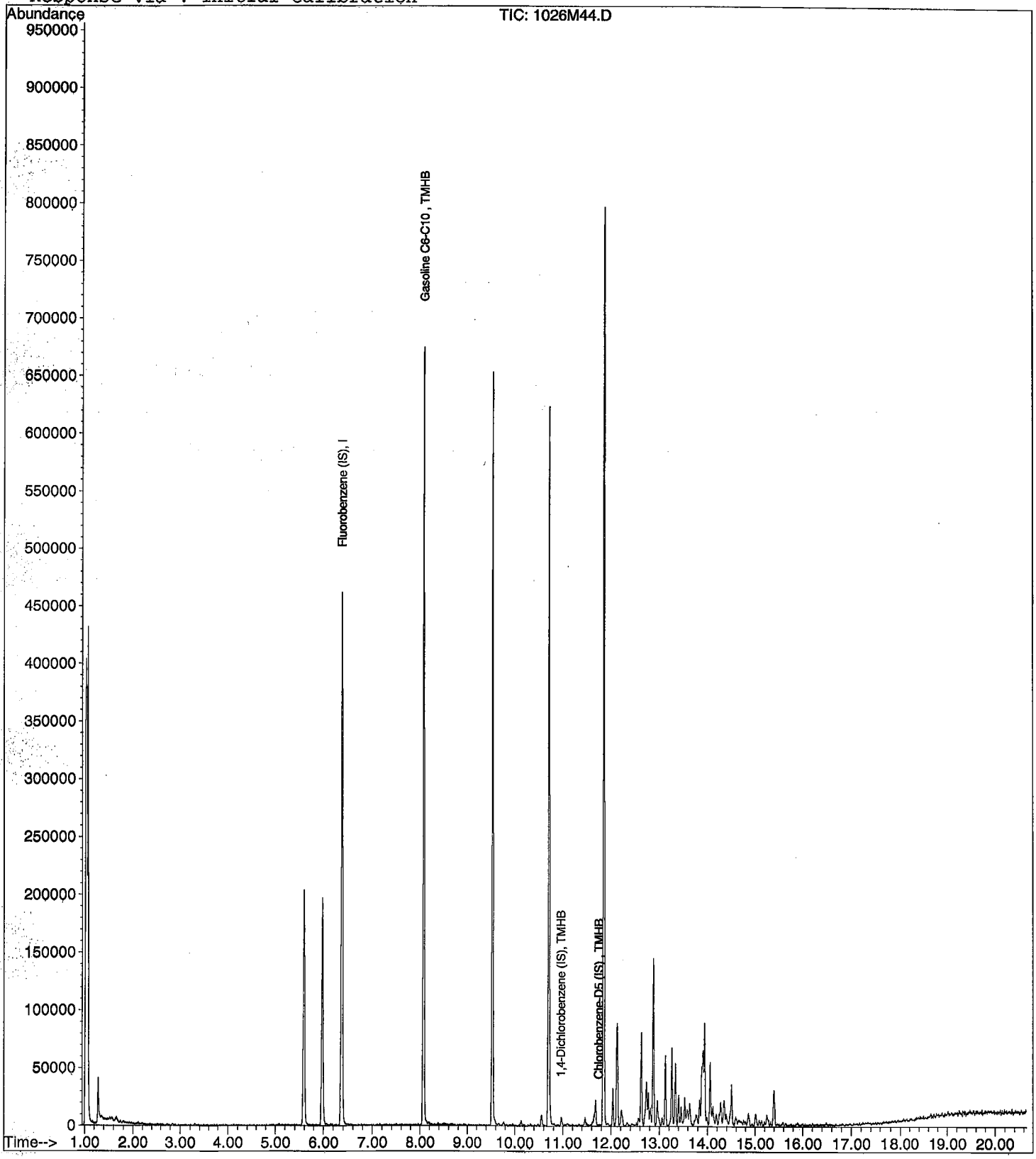
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\MAX\DATA\211015\1026M44.D Vial: 44
Acq On : 27 Oct 21 5:27 Operator: LP,DG,CH
Sample : BA44054W01 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Nov 30 12:52 2021 Quant Results File: MGAS0825.RES

Method : M:\MAX\DATA\211015\MGAS0825.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 16:19:36 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\211015\1026M31.D
Acq On : 26 Oct 21 23:20
Sample : 211026B BLK
Misc : IS&S 8/4/21

Vial: 31
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Nov 30 13:11 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)	6.37	TIC	454647	25.00 ppb	0.16
3) Chlorobenzene-D5 (IS)	11.75	TIC	1149629m	25.00 ppb	0.00
4) 1,4-Dichlorobenzene (IS)	10.94	TIC	10149m	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\211015\1026M31.D Vial: 31
Acq On : 26 Oct 21 23:20 Operator: LP,DG,CH
Sample : 211026B BLK Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Nov 30 12:58 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)	6.37	96	385706	25.00	ppb	0.16
4) Chlorobenzene-D5 (IS)	9.53	117	350438	25.00	ppb	0.11
7) 1,4-Dichlorobenzene-D (IS)	11.85	152	212898	25.00	ppb	0.10
System Monitoring Compounds						
2) Dibromofluoromethane(S)	5.59	111	122799	26.40	ppb	0.17
Spiked Amount 25.000			Recovery =	105.596%		
3) 1,2-DCA-D4(S)	5.98	65	85552	27.99	ppb	0.17
Spiked Amount 25.000			Recovery =	111.948%		
5) Toluene-D8(S)	8.08	98	397906	24.21	ppb	0.13
Spiked Amount 25.000			Recovery =	96.852%		
6) 4-Bromofluorobenzene(S)	10.70	95	162293	25.31	ppb	0.11
Spiked Amount 25.000			Recovery =	101.252%		

Target Compounds Qvalue

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

Quantitation Report

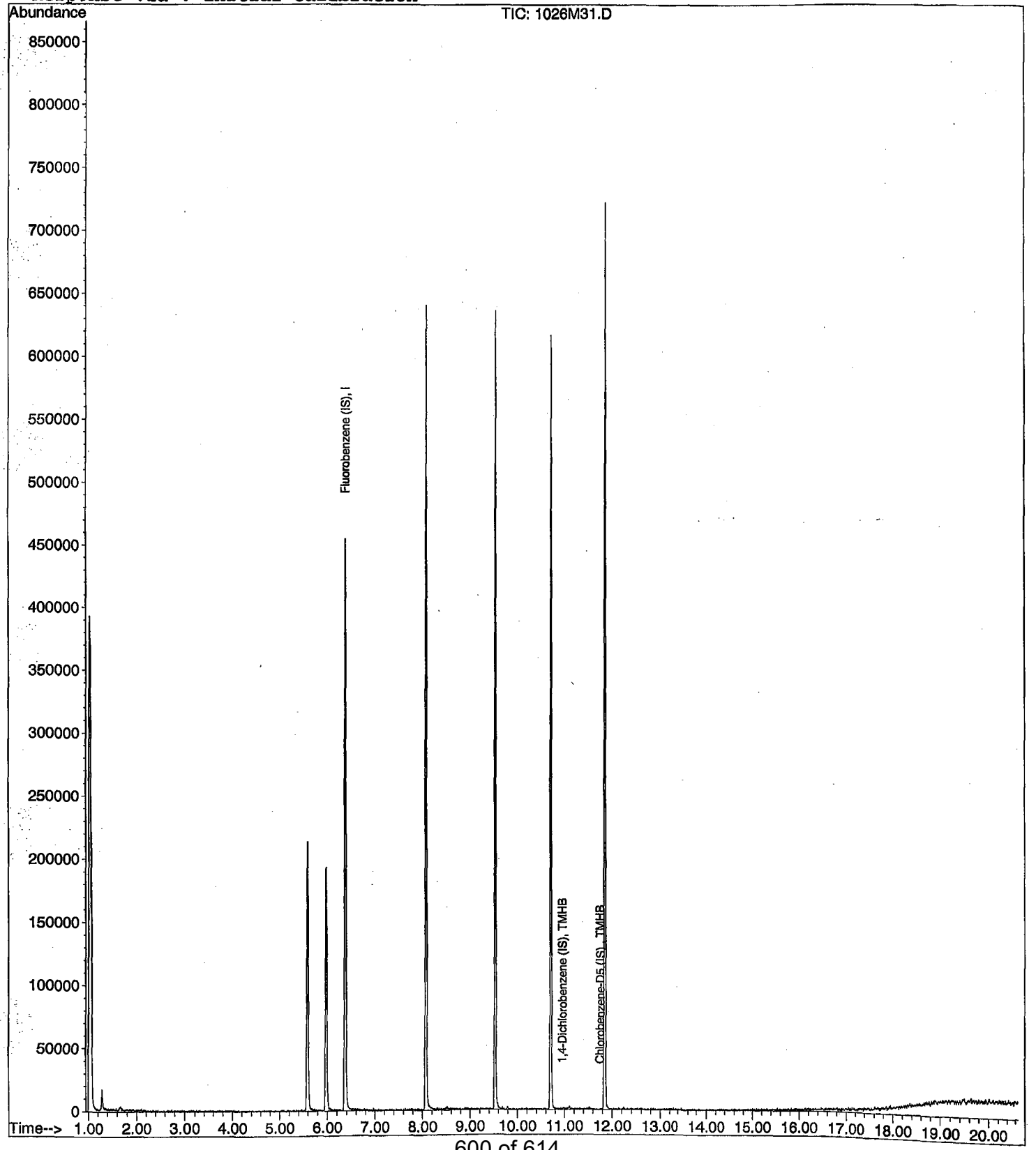
Data File : M:\MAX\DATA\211015\1026M31.D
Acq On : 26 Oct 21 23:20
Sample : 211026B BLK
Misc : IS&S 8/4/21

Vial: 31
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Nov 30 13:11 2021

Quant Results File: MGAS0825.RES

Method : M:\MAX\DATA\211015\MGAS0825.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 16:19:36 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\211015\1026M29.D
Acq On : 26 Oct 21 22:23
Sample : 211026B LCS 300ug/L
Misc : IS&S 8/4/21

Vial: 29
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Oct 27 9:53 2021 Quant Results File: MGAS0825.RES

Quant Method : M:\MAX\DATA\210922\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)	6.37	TIC	439051	25.00 ppb	0.16
3) Chlorobenzene-D5 (IS)	11.75	TIC	1165967m	25.00 ppb	0.00
4) 1,4-Dichlorobenzene (IS)	10.94	TIC	111331m	25.00 ppb	0.00
System Monitoring Compounds					
Target Compounds					Qvalue
2) Gasoline C6-C10	8.08	TIC	6834012m	324.98 ppb	100

(#) = qualifier out of range (m) = manual integration CD1 of 614

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211015\1026M29.D Vial: 29
Acq On : 26 Oct 21 22:23 Operator: LP,DG,CH
Sample : 211026B LCS 300ug/L Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Nov 30 12:58 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)	6.37	96	368670	25.00	ppb	0.16
4) Chlorobenzene-D5 (IS)	9.53	117	341910	25.00	ppb	0.12
7) 1,4-Dichlorobenzene-D (IS)	11.85	152	223205	25.00	ppb	0.10
System Monitoring Compounds						
2) Dibromofluoromethane(S)	5.59	111	121452	27.32	ppb	0.18
Spiked Amount 25.000			Recovery =	109.264%		
3) 1,2-DCA-D4(S)	5.98	65	81424	27.87	ppb	0.17
Spiked Amount 25.000			Recovery =	111.472%		
5) Toluene-D8(S)	8.08	98	387147	24.15	ppb	0.13
Spiked Amount 25.000			Recovery =	96.584%		
6) 4-Bromofluorobenzene(S)	10.70	95	158025	25.26	ppb	0.11
Spiked Amount 25.000			Recovery =	101.048%		

Target Compounds Qvalue

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

Quantitation Report

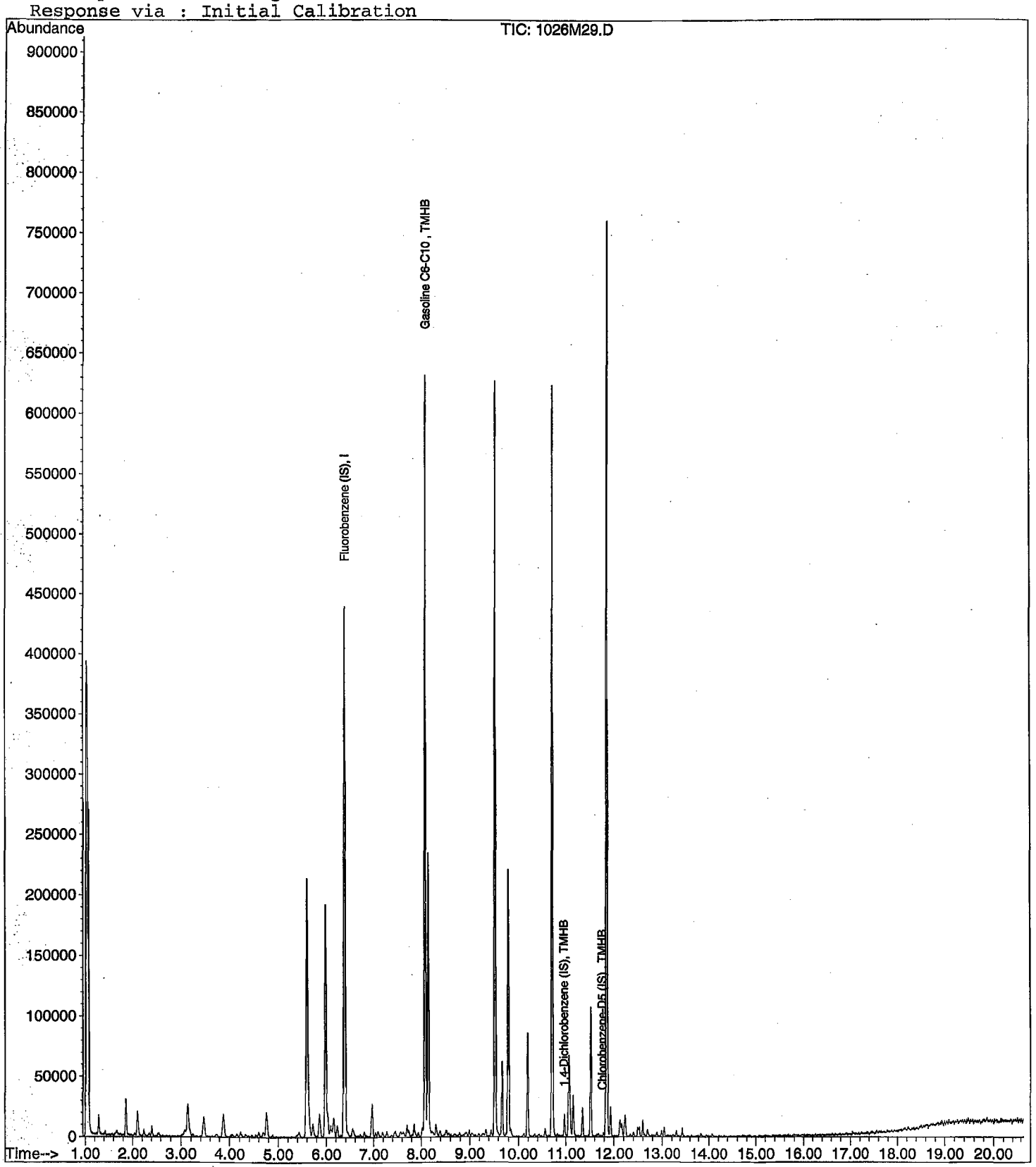
Data File : M:\MAX\DATA\211015\1026M29.D
Acq On : 26 Oct 21 22:23
Sample : 211026B LCS 300ug/L
Misc : IS&S 8/4/21

Vial: 29
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Oct 27 9:53 2021

Quant Results File: MGAS0825.RES

Method : M:\MAX\DATA\211015\MGAS0825.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 16:19:36 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\211015\1026M30.D
Acq On : 26 Oct 21 22:51
Sample : 211026B LCSD 300ug/L
Misc : IS&S 8/4/21

Vial: 30
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Oct 27 9:55 2021 Quant Results File: MGAS0825.RES

Quant Method : M:\MAX\DATA\210922\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)	6.37	TIC	440530	25.00	ppb	0.16
3) Chlorobenzene-D5 (IS)	11.75	TIC	1177830m	25.00	ppb	0.00
4) 1,4-Dichlorobenzene (IS)	10.94	TIC	132726m	25.00	ppb	0.00
System Monitoring Compounds						
Target Compounds						Qvalue
2) Gasoline C6-C10	8.08	TIC	7068690m	357.30	ppb	100

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

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211015\1026M30.D Vial: 30
Acq On : 26 Oct 21 22:51 Operator: LP,DG,CH
Sample : 211026B LCSD 300ug/L Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Nov 30 12:58 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)	6.37	96	364937	25.00	ppb	0.16
4) Chlorobenzene-D5 (IS)	9.53	117	335196	25.00	ppb	0.11
7) 1,4-Dichlorobenzene-D (IS)	11.85	152	222413	25.00	ppb	0.10
System Monitoring Compounds						
2) Dibromofluoromethane(S)	5.59	111	120694	27.42	ppb	0.18
Spiked Amount 25.000			Recovery =	109.696%		
3) 1,2-DCA-D4(S)	5.98	65	80816	27.94	ppb	0.17
Spiked Amount 25.000			Recovery =	111.768%		
5) Toluene-D8(S)	8.08	98	391366	24.90	ppb	0.13
Spiked Amount 25.000			Recovery =	99.592%		
6) 4-Bromofluorobenzene(S)	10.70	95	156307	25.49	ppb	0.11
Spiked Amount 25.000			Recovery =	101.952%		

Target Compounds Qvalue

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

Quantitation Report

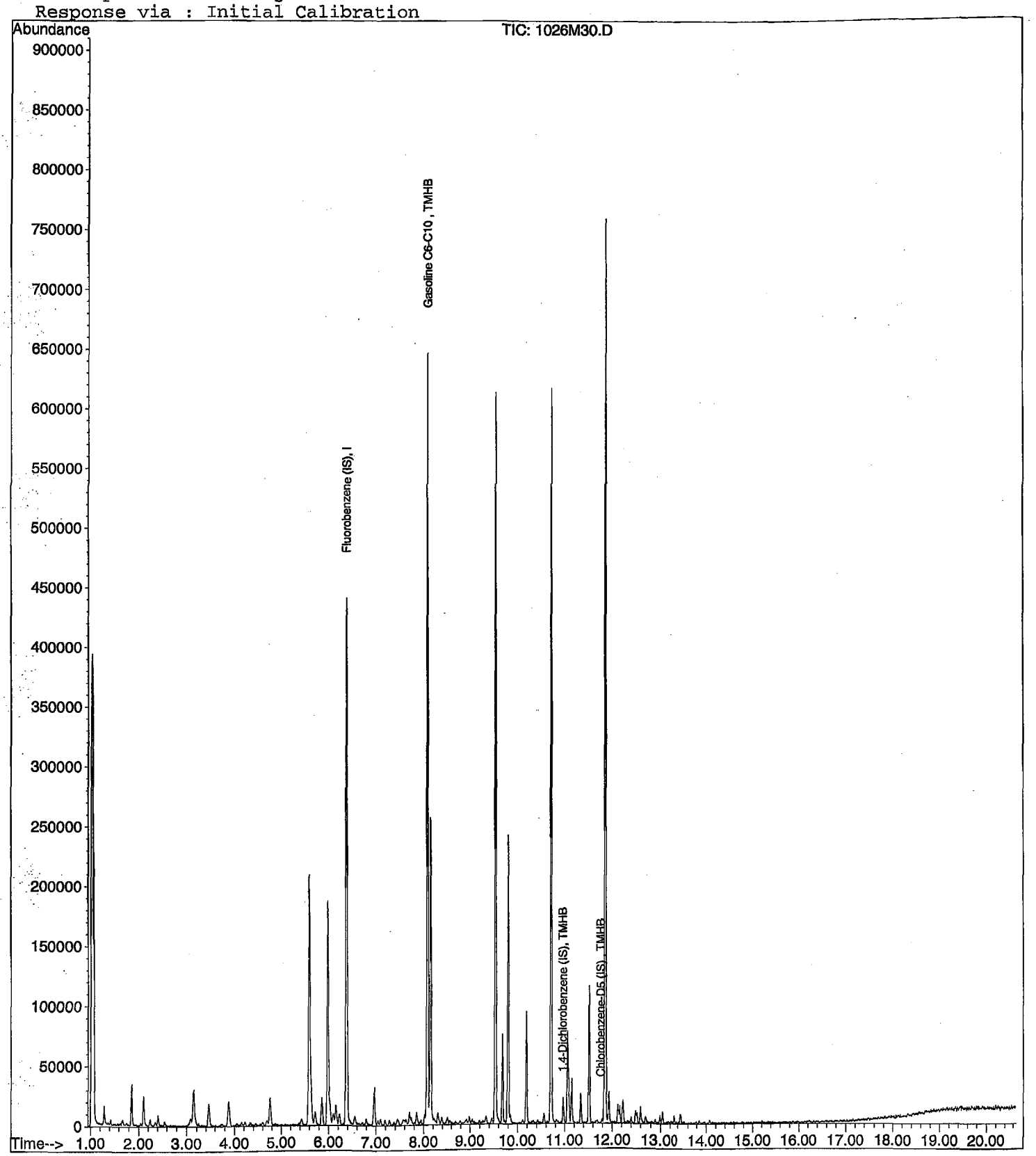
Data File : M:\MAX\DATA\211015\1026M30.D
Acq On : 26 Oct 21 22:51
Sample : 211026B LCSD 300ug/L
Misc : IS&S 8/4/21

Vial: 30
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Oct 27 9:55 2021

Quant Results File: MGAS0825.RES

Method : M:\MAX\DATA\211015\MGAS0825.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 16:19:36 2021
Response via : Initial Calibration



MAX Gas Standard Prep

Gas Primary Working Standard

Prepared: 6/23/2021
Expires: 1/4/2022
Methanol Lot No.

Prepared By (Initials): CH

Initial Standard Information							Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	Supplier P/N#	Conc. (ug/mL)	Lot Number - QA Number	Exp. Date (1 yr)	Exp. Date (Manufacturers)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/mL)
50,000ug/mL Gas STD	Restek	30205	50,000	A0132443	1/4/2022	12/31/2024	80uL	2mL	Methanol	2,000

Gas Second Source (SS) Working Standard

Prepared: 3/31/2021
Expires: 1/31/1930
Methanol Lot No.

Prepared By (Initials): CH

Initial Standard Information							Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	Supplier P/N#	Conc. (ug/mL)	Lot Number - QA Number	Exp. Date (1 yr)	Exp. Date (Manufacturers)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/mL)
Gasoline (50,000ppm)	Phenova	ALO-101543	50,000	CL14915-51175	1/4/2022	1/31/1930	80uL	2mL	Methanol	2,000

MAX Gas Calibration Curve

Prepared: 8/25/2021
Expires: 10/24/2021

Prepared By (Initials): CH

Initial Standard Information							Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	APPL Mix Name	Conc. (ug/mL)	Reference To APPL Prep Date	Exp. Date	Exp. Date (Manufacturers)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/L)
VOA Gasses Standards	Phenova	20ug/L	2,000	Prepared 06/23/21	1/4/2022	N/A	1uL	100mL	P&T Water	20
VOA Gasses Standards	Phenova	50ug/L	2,000	Prepared 06/23/21	1/4/2022	N/A	2.5uL	100mL	P&T Water	50
VOA Gasses Standards	Phenova	100ug/L	2,000	Prepared 06/23/21	1/4/2022	N/A	5uL	100mL	P&T Water	100
VOA Gasses Standards	Phenova	300ug/L	2,000	Prepared 06/23/21	1/4/2022	N/A	15uL	100mL	P&T Water	300
VOA Gasses Standards	Phenova	600ug/L	2,000	Prepared 06/23/21	1/4/2022	N/A	30uL	100mL	P&T Water	600
VOA Gasses Standards	Phenova	800ug/L	2,000	Prepared 06/23/21	1/4/2022	N/A	40uL	100mL	P&T Water	800
VOA Gasses Standards	Phenova	1,000ug/L	2,000	Prepared 06/23/21	1/4/2022	N/A	50uL	100mL	P&T Water	1,000

Zeus Gas Second Source

Prepared: 8/25/2021
Expires: 10/24/2021

Prepared By (Initials): CH

Initial Standard Information							Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	APPL Mix Name	Conc. (ug/mL)	Reference To APPL Prep Date	Exp. Date	Exp. Date (Manufacturers)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/L)
50,000ug/mL Gas STD	Phenova	SS 300ug/L	2,000	Prepared 03/31/21	1/31/1930	N/A	15uL	100mL	P&T Water	300

MAX Gas Continuing Calibrations/Lab Control Spikes

Prepared: 8/25/2021
Expires: 8/26/2021

Prepared By (Initials): CH

Initial Standard Information							Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	Supplier P/N#	Conc. (ug/mL)	Lot Number - QA Number	Exp. Date (1 yr)	Exp. Date (Manufacturers)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/mL)
VOA Gasses Standards	Phenova	300ug/L	2,000	Prepared 06/23/21	1/4/2022	N/A	15uL	100mL	P&T Water	300

MAX 8260 Standard Prep

MAX 8260 Water Calibration Curve

Prepared By (Initials): CH

0.3ug/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	0.3ug/L	5	Prepared 08/24/21	10/23/2021	N/A	3uL	50mL	P&T Water	0.3
VOA STD. 1	Absolute		50	Prepared 08/24/21	10/23/2021	N/A	5uL			5
VOA STD. 2	Phenova		100	Prepared 08/24/21	10/23/2021	N/A	2.5uL			5
VOA STD. TBA	Various		250	Prepared 08/24/21	9/8/2021	N/A	2uL			10

0.5ug/L

Prepared: 8/25/2021

Expires: 9/8/2021

Initial Standard Information							Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	APPL Mix Name	Conc. (ug/mL)	Reference To APPL Prep Date	Exp. Date	Exp. Date (Manufacturers)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/L)
VOA STD. 9	Various	0.5ug/L	5	Prepared 08/24/21	10/23/2021	N/A	5uL	50mL	P&T Water	0.5
VOA STD. 1	Absolute		50	Prepared 08/24/21	10/23/2021	N/A	10uL			10
VOA STD. 2	Phenova		100	Prepared 08/24/21	10/23/2021	N/A	5uL			10
VOA STD. TBA	Various		250	Prepared 08/24/21	9/8/2021	N/A	5uL			25

1.0ug/L

Prepared: 8/25/2021

Expires: 9/8/2021

Initial Standard Information							Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	APPL Mix Name	Conc. (ug/mL)	Reference To APPL Prep Date	Exp. Date	Exp. Date (Manufacturers)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/L)
VOA STD. 9	Various	1.0ug/L	5	Prepared 08/24/21	10/23/2021	N/A	10uL	50mL	P&T Water	1
VOA STD. 1	Absolute		50	Prepared 08/24/21	10/23/2021	N/A	20uL			20
VOA STD. 2	Phenova		100	Prepared 08/24/21	10/23/2021	N/A	10uL			20
VOA STD. TBA	Various		250	Prepared 08/24/21	9/8/2021	N/A	10uL			50

2.0ug/L

Prepared: 8/25/2021

Expires: 9/8/2021

Initial Standard Information							Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	APPL Mix Name	Conc. (ug/mL)	Reference To APPL Prep Date	Exp. Date	Exp. Date (Manufacturers)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/L)
VOA STD. 9	Various	2.0ug/L	5	Prepared 08/24/21	10/23/2021	N/A	20uL	50mL	P&T Water	2
VOA STD. 1	Absolute		50	Prepared 08/24/21	10/23/2021	N/A	30uL			30
VOA STD. 2	Phenova		100	Prepared 08/24/21	10/23/2021	N/A	15uL			30
VOA STD. TBA	Various		250	Prepared 08/24/21	9/8/2021	N/A	15uL			75

5ug/L

Prepared: 8/25/2021

Expires: 9/8/2021

Initial Standard Information							Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	APPL Mix Name	Conc. (ug/mL)	Reference To APPL Prep Date	Exp. Date	Exp. Date (Manufacturers)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/L)
VOA STD. 7	Various	5ug/L	50	Prepared 08/24/21	10/23/2021	N/A	5uL	50mL	P&T Water	5
VOA STD. 8	Phenova		50	Prepared 08/24/21	9/8/2021	N/A	5uL			5
VOA STD. 1	Absolute		50	Prepared 08/24/21	10/23/2021	N/A	40uL			40
VOA STD. 2	Phenova		100	Prepared 08/24/21	10/23/2021	N/A	20uL			20
VOA STD. TBA	Various		250	Prepared 08/24/21	9/8/2021	N/A	20uL			100

10ug/L

Prepared: 8/25/2021

Expires: 9/8/2021

Initial Standard Information							Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	APPL Mix Name	Conc. (ug/mL)	Reference To APPL Prep Date	Exp. Date	Exp. Date (Manufacturers)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/L)
VOA STD. 7	Various	10ug/L	50	Prepared 08/24/21	10/23/2021	N/A	10uL	50mL	P&T Water	10
VOA STD. 8	Phenova		50	Prepared 08/24/21	9/8/2021	N/A	10uL			10
VOA STD. 1	Absolute		50	Prepared 08/24/21	10/23/2021	N/A	50uL			50
VOA STD. 2	Phenova		100	Prepared 08/24/21	10/23/2021	N/A	25uL			50
VOA STD. TBA	Various		250	Prepared 08/24/21	9/8/2021	N/A	25uL			125

20ug/L

Prepared: 8/25/2021

Expires: 9/8/2021

Initial Standard Information							Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	APPL Mix Name	Conc. (ug/mL)	Reference To APPL Prep Date	Exp. Date	Exp. Date (Manufacturers)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/L)
VOA STD. 7	Various	20ug/L	50	Prepared 08/24/21	10/23/2021	N/A	20uL	50mL	P&T Water	20
VOA STD. 8	Phenova		50	Prepared 08/24/21	9/8/2021	N/A	20uL			20
VOA STD. 1	Absolute		50	Prepared 08/24/21	10/23/2021	N/A	60uL			60
VOA STD. 2	Phenova		100	Prepared 08/24/21	10/23/2021	N/A	30uL			60
VOA STD. TBA	Various		250	Prepared 08/24/21	9/8/2021	N/A	30uL			150

40ug/L

Prepared: 8/25/2021

Expires: 9/8/2021

Initial Standard Information							Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	APPL Mix Name	Conc. (ug/mL)	Reference To APPL Prep Date	Exp. Date	Exp. Date (Manufacturers)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/L)
VOA STD. 7	Various	40ug/L	50	Prepared 08/24/21	10/23/2021	N/A	40uL	50mL	P&T Water	40
VOA STD. 8	Phenova		50	Prepared 08/24/21	9/8/2021	N/A	40uL			40
VOA STD. 1	Absolute		50	Prepared 08/24/21	10/23/2021	N/A	80uL			80
VOA STD. 2	Phenova		100	Prepared 08/24/21	10/23/2021	N/A	40uL			80
VOA STD. TBA	Various		250	Prepared 08/24/21	9/8/2021	N/A	35uL			175

100ug/L

Prepared: 8/25/2021

Expires: 9/8/2021

Initial Standard Information							Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	APPL Mix Name	Conc. (ug/mL)	Reference To APPL Prep Date	Exp. Date	Exp. Date (Manufacturers)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/L)
VOA STD. 7	Various	100ug/L	50	Prepared 08/24/21	10/23/2021	N/A	100uL	50mL	P&T Water	100
VOA STD. 8	Phenova		50	Prepared 08/24/21	9/8/2021	N/A	100uL			100
VOA STD. 1	Absolute		50	Prepared 08/24/21	10/23/2021	N/A	100uL			100
VOA STD. 2	Phenova		100	Prepared 08/24/21	10/23/2021	N/A	50uL			100
VOA STD. TBA	Various		250	Prepared 08/24/21	9/8/2021	N/A	40uL			200

MAX 8260 Water Second Source (SS)

Prepared: 8/25/2021

Prepared By (Initials): CH

Expires: 9/8/2021

Initial Standard Information							Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	APPL Mix Name	Conc. (ug/mL)	Reference To APPL Prep Date	Exp. Date	Exp. Date (Manufacturers)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/L)
VOA STD. 3	Phenova	8260 Water SS	100	Prepared 08/24/21	10/23/2021	N/A	25uL	50mL	P&T Water	50
VOA STD. GASES	Phenova	8260 Water SS	50	Prepared 08/24/21	10/23/2021	N/A	10uL			10
VOA STD. 0	Phenova	8260 Water SS	50	Prepared 08/24/21	10/23/2021	N/A	10uL			10
VOA STD. 2-CEVE	Absolute	8260 Water SS	50	Prepared 08/24/21	8/24/2021	N/A	50uL			50
VOA STD. 6	Various	8260 Water SS	50	Prepared 08/24/21	9/8/2021	N/A	10uL			10
Voa STD. TBA	Various	8260 Water SS	250	Prepared 08/24/21	9/8/2021	N/A	25uL			250

8260 Water Continuing Calibrations (CCV)/ Lab Control Spikes (LCS)

Prepared: 8/25/2021

Prepared By (Initials): CH

Expires: 8/26/2021

Initial Standard Information							Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	APPL Mix Name	Conc. (ug/mL)	Reference To APPL Prep Date	Exp. Date	Exp. Date (Manufacturers)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/L)
VOA STD. 7	Various	CCV/ LCS	50	Prepared 08/24/21	10/23/2021	N/A	10uL	50mL	P&T Water	10
VOA STD. 8	Phenova	CCV/ LCS	50	Prepared 08/24/21	9/8/2021	N/A	10uL			10
VOA STD. 1	Absolute	CCV/ LCS	50	Prepared 08/24/21	10/23/2021	N/A	50uL			50
VOA STD. 2	Phenova	CCV/ LCS	100	Prepared 08/24/21	10/23/2021	N/A	25uL			50
VOA STD. TBA	Various	CCV/ LCS	250	Prepared 08/24/21	9/8/2021	N/A	25uL			250

Injection Log

Directory: M:\MAX\DATA\210825\

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	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
1	28	1026M28.D	1	211026B CCV 300ug/L	IS&S 8/4/21	26 Oct 21 21:55
2	29	1026M29.D	1	211026B LCS 300ug/L	IS&S 8/4/21	26 Oct 21 22:23
3	30	1026M30.D	1	211026B LCSD 300ug/L	IS&S 8/4/21	26 Oct 21 22:51
4	31	1026M31.D	1	211026B BLK	IS&S 8/4/21	26 Oct 21 23:20
5	37	1026M37.D	1	BA44047W01	IS&S 8/4/21	27 Oct 21 2:09
6	38	1026M38.D	1	BA44048W01	IS&S 8/4/21	27 Oct 21 2:37
7	39	1026M39.D	1	BA44049W01	IS&S 8/4/21	27 Oct 21 3:06
8	40	1026M40.D	1	BA44050W01	IS&S 8/4/21	27 Oct 21 3:34
9	41	1026M41.D	1	BA44051W01	IS&S 8/4/21	27 Oct 21 4:02
10	42	1026M42.D	1	BA44052W01	IS&S 8/4/21	27 Oct 21 4:30
11	43	1026M43.D	1	BA44053W01	IS&S 8/4/21	27 Oct 21 4:59
12	44	1026M44.D	1	BA44054W01	IS&S 8/4/21	27 Oct 21 5:27
13	46	1026M46.D	1	Ending CCV 300ug/L 10/26/21	IS&S 8/4/21	27 Oct 21 6:23

INORGANIC ANALYSIS
Calibration and Raw Data

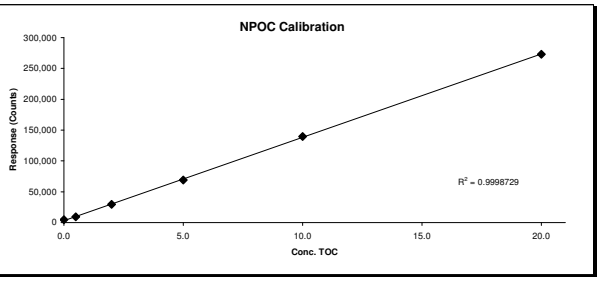
TOTAL ORGANIC CARBON

Method: WetChem | Units mg/L | Instrument: Tic Toc

Analyte: TOC | QCG: 211027A

Analyist: EA | Final Volume: 40mL

Date	Time	Appl ID	[TOC]	Raw	% Recovery
10/25/2021	19:20	QC blank	0.00	4558	
10/25/2021	19:56	Ical 1	0.50	9475	
10/25/2021	20:28	Ical 2	2.00	29763	
10/25/2021	21:02	Ical 3	5.00	69278	
10/25/2021	21:35	Ical 4	10.00	139847	
10/25/2021	22:08	Ical 5	20.00	273227	
10/25/2021	10:03	ICB	0.08	2197	
10/25/2021	10:39	ICV	10.40	144915	105.5%



Date	Time	Appl ID	DF	Raw Result	SubSample Amount	Filter Blank Subtract	Calc Conc	Result	Range (mg/L)	QC True	% Recovery
2021-10-27	04:14 PM	QCB	1	2894	40mL	0.000	0	0.00	0.00		
2021-10-27	09:24 PM	211027A CCV	1	71753	40mL	0.000	5.102	5.10	0.04	5.00	102.0%
2021-10-27	10:10 PM	211027A CCB	1	2333	40mL	0.000	0	0.00	0.00		
2021-10-27	10:55 PM	211027A LCS	1	72028	40mL	0.000	5.123	5.12	0.00	5.00	102.5%
2021-10-27	11:41 PM	211027A LCSD	1	71352	40mL	0.000	5.073	5.07	0.01	5.00	101.5%
2021-10-28	12:27 AM	BA43832W05	1	5605	40mL	0.000	0.232	0.23	0.05		
2021-10-28	01:10 AM	BA44243W01	1	127193	40mL	0.000	9.241	9.24	0.15		
2021-10-28	01:53 AM	BA44244W02	1	13898	40mL	0.000	0.846	0.85	0.08		
2021-10-28	02:35 AM	BA43839W02	1	8474	40mL	0.000	0.444	0.44	0.00		
2021-10-28	03:17 AM	BA43840W01	1	4994	40mL	0.000	0.186	0.19	0.03		
2021-10-28	03:58 AM	BA43837W05	1	4837	40mL	0.000	0.175	0.18	0.02		
2021-10-28	04:40 AM	BA43157W02	1	7965	40mL	0.000	0.406	0.41	0.05		
2021-10-28	05:21 AM	BA43156W01	1	4741	40mL	0.000	0.167	0.17	0.04		
2021-10-28	06:03 AM	BA43555W02	1	4787	40mL	0.000	0.171	0.17	0.01		
2021-10-28	06:45 AM	CCV	1	72640	40mL	0.000	5.168	5.17	0.07	5.00	103.4%
2021-10-28	07:31 AM	211027B CCB	1	2430	40mL	0.000	0	0.00	0.00		
2021-10-28	08:16 AM	BA43151W06	1	219427	40mL	0.000	16.075	16.08	0.06		
2021-10-28	08:59 AM	BA43158W02	1	6431	40mL	0.000	0.293	0.29	0.04		
2021-10-28	09:41 AM	BA44220W05 5310C	1	23329	40mL	0.000	1.545	1.55	0.00		
2021-10-28	10:24 AM	BA44221W05 5310C	1	18979	40mL	0.000	1.222	1.22	0.02		
2021-10-28	11:06 AM	BA44044W01	1	4697	40mL	0.000	0.164	0.16	0.02		
2021-10-28	11:49 AM	BA44045W02	1	11307	40mL	0.000	0.654	0.65	0.01		
2021-10-28	12:32 PM	BA44046W02	1	6046	40mL	0.000	0.264	0.26	0.03		
2021-10-28	01:14 PM	BA44048W05	1	6209	40mL	0.000	0.276	0.28	0.02		
2021-10-28	01:56 PM	BA44050W06	1	65464	40mL	0.000	4.667	4.67	0.27		
2021-10-28	02:40 PM	BA44052W05	1	38074	40mL	0.000	2.638	2.64	0.12		
2021-10-28	03:24 PM	CCV	1	68803	40mL	0.000	4.884	4.88	0.31	5.00	97.7%
2021-10-28	04:10 PM	CCB	1	2389	40mL	0.000	0	0.00	0.00		

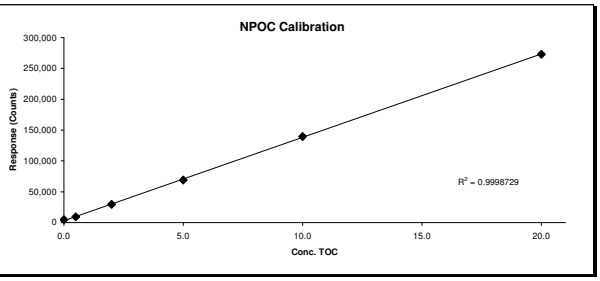
TOTAL ORGANIC CARBON

Method: WetChem | Units mg/L | Instrument: Tic Toc

Analyte: TOC | QCG: 211105A

Analyist: EA | Final Volume: 40mL

Date	Time	Appl ID	[TOC]	Raw	% Recovery
10/25/2021	19:20	QC blank	0.00	4558	
10/25/2021	19:56	Ical 1	0.50	9475	
10/25/2021	20:28	Ical 2	2.00	29763	
10/25/2021	21:02	Ical 3	5.00	69278	
10/25/2021	21:35	Ical 4	10.00	139847	
10/25/2021	22:08	Ical 5	20.00	273227	
10/25/2021	10:03	ICB	0.08	2197	
10/25/2021	10:39	ICV	10.40	144915	105.5%



Date	Time	Appl ID	DF	Raw Result	SubSample Amount	Filter Blank Subtract	Calc Conc	Result	Range (mg/L)	QC True	% Recovery
2021-11-05	04:43 PM	QCB	1	3955	40mL	0.000	0	0.00	0.00		
2021-11-05	05:26 PM	211105A CCV 1	1	63165	40mL	0.000	4.387	4.39	0.00	5.00	87.7%
2021-11-05	06:08 PM	211105A CCB 1	1	2560	40mL	0.000	0	0.00	0.00		
2021-11-05	06:50 PM	211105A LCS	1	63683	40mL	0.000	4.535	4.54	0.02	5.00	90.7%
2021-11-05	07:32 PM	211105A LCSD	1	64482	40mL	0.000	4.594	4.59	0.10	5.00	91.9%
2021-11-05	08:13 PM	BA43145W05 DF5	5	59301	40mL	0.000	4.21	21.05	0.36		
2021-11-05	08:56 PM	BA43147W06 DF 5	5	51041	40mL	0.000	3.598	17.99	0.63		
2021-11-05	09:39 PM	BA44054W06	1	25518	40mL	0.000	1.707	1.71	0.01		
2021-11-05	10:20 PM	BA44667W01	1	25760	40mL	0.000	1.724	1.72	0.03		
2021-11-05	11:02 PM	BA45108W05	1	20599	40mL	0.000	1.343	1.34	0.11		
2021-11-05	11:45 PM	BA45110W06	1	45760	40mL	0.000	3.207	3.21	0.19		
2021-11-06	12:26 AM	BA45112W05	1	23232	40mL	0.000	1.538	1.54	0.16		
2021-11-06	01:08 AM	BA45114W05	1	7354	40mL	0.000	0.361	0.36	0.22		
2021-11-06	01:49 AM	BA45105W05	1	3477	40mL	0.000	0.074	0.07	0.05		
2021-11-06	02:31 AM	BA45100W05	1	3353	40mL	0.000	0.065	0.07	0.02		
2021-11-06	03:12 AM	211105A CCV 2	1	59423	40mL	0.000	4.11	4.11	0.04	5.00	82.2%
2021-11-06	03:55 AM	211105A CCB 2	1	1924	40mL	0.000	0	0.00	0.00		

Name of Final Standard TOC Calibration Curve — **Prep'd By (Initials)** KS

Prep Date 10/25/2021

Exp Date 10/25/2022

Initial Standard Information						Final Standard Information			
Name of Initial Standard (from contianer Label)	Supplier	Supplier P/N# (or APPL Mix Name)	Conc.(range)	Lot # with QA # (or reference to APPL prep date)	Exp Date	Aliquot from Stock	Final Volume	Final Solvent + Lot# (or APPL Prep Date)	Final Standard Conc (range)
Total Organic Carbon (TOC) Standard Cal 1	Agilent	IQC-106-5	1000 mg/L	0006588597-51848	3/31/2023	20 uL	40 mL	DI Water	0.5 ppm
Total Organic Carbon (TOC) Standard Cal 2	Agilent	IQC-106-5	1000 mg/L	0006588597-51848	3/31/2023	80 uL	40 mL	DI Water	2 ppm
Total Organic Carbon (TOC) Standard Cal 3	Agilent	IQC-106-5	1000 mg/L	0006588597-51848	3/31/2023	200 uL	40 mL	DI Water	5 ppm
Total Organic Carbon (TOC) Standard Cal 4	Agilent	IQC-106-5	1000 mg/L	0006588597-51848	3/31/2023	400 uL	40 mL	DI Water	10 ppm
Total Organic Carbon (TOC) Standard Cal 5	Agilent	IQC-106-5	1000 mg/L	0006588597-51848	3/31/2023	800 uL	40 mL	DI Water	20 ppm

Name of Final Standard ICV (TOC) — **Prep'd By (Initials)** KS

Prep Date 10/25/2021

Exp Date 10/25/2022

Initial Standard Information						Final Standard Information			
Name of Initial Standard (from contianer Label)	Supplier	Supplier P/N# (or APPL Mix Name)	Conc.(range)	Lot # with QA # (or reference to APPL prep date)	Exp Date	Aliquot from Stock	Final Volume	Final Solvent + Lot# (or APPL Prep Date)	Final Standard Conc (range)
1000 PPM ICV TOC Intermediate	APPL Inc.	IQC-106-5	1000 mg/L	0006465171-49409	6/30/2021	400 uL	40mL	DI Water	10 ppm

ICV recertified against the non-expired calibration

Name of Final Standard CCV (TOC) — **Prep'd By (Initials)** EA

Prep Date See Data

Exp Date 1 year

Initial Standard Information						Final Standard Information			
Name of Initial Standard (from contianer Label)	Supplier	Supplier P/N# (or APPL Mix Name)	Conc.(range)	Lot # with QA # (or reference to APPL prep date)	Exp Date	Aliquot from Stock	Final Volume	Final Solvent + Lot# (or APPL Prep Date)	Final Standard Conc (range)
Total Organic Carbon (TOC) Standard	Agilent	IQC-1 06-5	1000 mg/L	0006588597-51848	3/31/2023	200 uL	40 mL	DI Water	5 ppm

Name of Final Standard TOC_LCS/LCSD — **Prep'd By (Initials)** EA

Prep Date See Data

Exp Date 1 year

Initial Standard Information						Final Standard Information			
Name of Initial Standard (from contianer Label)	Supplier	Supplier P/N# (or APPL Mix Name)	Conc.(range)	Lot # with QA # (or reference to APPL prep date)	Exp Date	Aliquot from Stock	Final Volume	Final Solvent + Lot# (or APPL Prep Date)	Final Standard Conc (range)
Total Organic Carbon (TOC) Standard	Agilent	IQC-106-5	1000 mg/L	0006588597-51848	3/31/2023	200 uL	40 mL	DI Water	5 ppm

Name of Final Standard TOC_MS/MSD — **Prep'd By (Initials)** EA

Prep Date See Data

Exp Date 1 year

Initial Standard Information						Final Standard Information			
Name of Initial Standard (from contianer Label)	Supplier	Supplier P/N# (or APPL Mix Name)	Conc.(range)	Lot # with QA # (or reference to APPL prep date)	Exp Date	Aliquot from Stock	Final Volume	Final Solvent + Lot# (or APPL Prep Date)	Final Standard Conc (range)
Total Organic Carbon (TOC) Standard	Agilent	IQC-106-5	1000 mg/L	0006588597-51848	3/31/2023	200 uL	40 mL	sample	5 ppm