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 3, 2021

AECOM
1001 Bishop Street, Suite 1600
Honolulu, Hawaii 96813

Attn: Alethea Ramos

Title: Report of Data: Case 98213

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 November 12, 2021. Written results for the requested analyses are being provided on this December 3, 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 98213
TABLE OF CONTENTS

LABORATORY NAME: *APPL, Inc.*

Case Narrative	3
Sample Management Records	7
Sample Results	12
QC Forms	22
Method 8015B Calibration Data	67
Method 8015B Raw Data	93
Method 8015B Silica Gel Calibration Data	109
Method 8015B Silica Gel Raw Data	154
Method 8015B Blank Calibration Data	173
Method 8015B Blank Raw Data	199
Method 8270D SIM Calibration Data	214
Method 8270D SIM Raw Data	241
Method 8260B Calibration Data	266
Method 8260B Raw Data	327
Method 8260B GRO Calibration Data	346
Method 8260B GRO Raw Data	392
Inorganic Analyses and Calibration Raw Data	413

CASE NARRATIVE

Case Narrative

ARF: 98213

Project: 60571032 CV18F0126 Red Hill Fuel Storage. HI

Sample Receipt Information:

Three water samples were received November 12, 2021 at –0.9°C and 1.0°C. The sample group was assigned Analytical Request Form (ARF) number 98213.

Sample Preparation and Analysis Information:

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

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

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

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

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

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

Analytical Exceptions, Deviations and Abnormalities.

EPA 8015B: In the 211116A method blank, Oil was detected above one-half the LOQ. Corrective action: One sample was B-flagged for Oil. The 211116A-LCS recovers Oil above the upper control limit.

EPA 8015B SGC: In the 211116A1 method blank, Oil was detected above one-half the LOQ. The 211116A1-LCS/LCSD recovers Oil above the upper control limit. Corrective action: One sample was B-flagged for Oil.

SDG	Received	Client ID	APPL ID	Collected DateTime	Matrix	Method	Method Description
98213	11/12/2021	ERH1903	BA46000	11/10/2021 10:40:00 AM	WATER	EPA 8260B	EPA 8260B BTEX WATER
98213	11/12/2021	ERH1903	BA46000	11/10/2021 10:40:00 AM	WATER	EPA 8260B	EPA 8260B GRO WATER
98213	11/12/2021	ERH1904	BA46001	11/10/2021 11:15:00 AM	WATER	EPA 8260B	EPA 8260B BTEX WATER
98213	11/12/2021	ERH1904	BA46001	11/10/2021 11:15:00 AM	WATER	EPA 8015B-eHL	EPA 8015B TPH WATER L-L SGC
98213	11/12/2021	ERH1904	BA46001	11/10/2021 11:15:00 AM	WATER	EPA 8015B-eHL	EPA 8015B TPH LIQ-LIQ
98213	11/12/2021	ERH1904	BA46001	11/10/2021 11:15:00 AM	WATER	EPA 8260B	EPA 8260B GRO WATER
98213	11/12/2021	ERH1904	BA46001	11/10/2021 11:15:00 AM	WATER	8270D-SIM	EPA 8270D SIM LIQ-LIQ
98213	11/12/2021	ERH1904	BA46001	11/10/2021 11:15:00 AM	WATER	SW846 9060A	9060A TOC
98213	11/12/2021	ERH1904 BLANK	BA46002	11/10/2021 11:15:00 AM	WATER	EPA 8015B-eHL	EPA 8015B TPH LIQ-LIQ

Abbreviations and Flags

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

SAMPLE RECORDS MANAGEMENT

CHAIN OF CUSTODY,

ARF, CRF, AND

CLIENT COMMUNICATION

APPL - Analysis Request Form 98213

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** # **53183**
RAD Screen (Y/N): **Y** pH (Y/N): **Y**
Turn Around Type: **1 WEEK**

Received by: **MSA**
Date Received: **11/12/21** Time: **11:30**
Delivered by: **FEDEX**
Shuttle Custody Seals (Y/N): **Y** Time Zone: **-10**
Chest Temp(s): **0.7°C**
Color: **VFRG/Receiving**
Samples Chilled until Placed in Refrig/Freezer: **Y**
Project Manager: **Libby Cheesebor**
QC Report Type: **DVP4DOD/EQUIS/HI**
Due Date: **11/19/21**

Comments:
PM: login and F1s to Margie.Pascua@aecom.com & alethea.ramos@aecom.com
AN: INCLUDE STANDARD PREP SHEETS!!!!!!!
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
8270 SIM: 1-methylnaphthalene, 2-methylnaphthalene & naphthalene only.
TPH-D/O both with and w/o SGC, reverse surrog for SGC; analyze 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: 1-$DOC53SGCW5LIQ, 1-$DOC53W5LIQ, 1-$SIM53LIQ51, 1-$RHBLKETBLK
Extractions: 1-_LIQ003, 2-_LIQ005, 1-_LIQ005SGC
VOA: 2-$86BTOTXDOD5W, 2-$GASBL, 2-$GRO86BW
Wetlab: 1-$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.	ERH1903	LCSD	BA46000W	11/10/21	10:40	$86BTOTXDOD5W, $GASBL, $GRO86BW -- See Comments
2.	ERH1904	LCSD	BA46001W	11/10/21	11:15	$86BTOTXDOD5W, $DOC53SGCW5LIQ, $DOC53W5LIQ, $GASBL, $GRO86BW, $SIM53LIQ51, $TOCW53 -- See Comments
3.	ERH1904 BLANK	LCSD	BA46002W	11/10/21	11:15	$RHBLKETBLK -- See Comments

APPL Sample Receipt Form

ARF# **98213**

Sample	Container Type	Count	p
BA46000	[13] VOAs - HCL	4	NA
BA46001	[13] VOAs - HCL	4	NA
	[17] Amber Liter	2	NA
	[32] Clear VOA - H2SO4	2	NA
	[39] Amber Liter, HCL prsvd	2	1.6
BA46002	[39] Amber Liter, HCL prsvd	1	NA

Sample	Container Type	Count	p

98213

APPL LABS

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

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

CHAIN OF CUSTODY RECORD

C.O.C. 53183 NOI

11/11/21

Report to: PLEASE PRINT	Invoice to: PLEASE PRINT
Company Name: AECOM Phone: (808) 521-3051	Company Name: Phone:
Address: 1001 Bishop St. Suite 1600 Honolulu HI 96813 Fax: CN-18F0126/60571032	Address: Fax:
Attn: Alethea Ramos	Accounts Payable Email: USAPImaging@aecom.com
Email: Alethea.ramos@aecom.com	Attn: Email:

Project Name/Number	Sampler (Print)	Purchase Order Number	Sampler (Signature)
60571032.02.20.01	D M, N L	102604	AL for D M, N L

Sample Identification	Location	Date Collected	Time Collected	Time Zone	No. of Containers	Matrix: Aq	Matrix: Sed.	Matrix: Soil	BTEX-8260C	TPH-G-8260C	TPH-d/o 8015	TPH-d/o SGT 8015	PAH shortlist 8270D SIM	TOC-9060	Date Shipped: 11/11/21
RH 1903	Trip Blank	11/10/21	1040	PST	4	X			X	X					Carrier: FedEX
RH 1904	RHMW2254-01	11/10/21	1115	PST	10	X			X	X	X	X	*	X	Waybill No.:
															Comments:
															Notice Bag NOI in separate SDG from other COCs
															TPH-d/o and PAHs need liquid-liquid extraction
															*napthalene
															1-Methylnaphalene
															2-Methylnapthalene

AL 11/11/21

Shuttle Temperature:	Turnaround Requested: Check one	Sample Disposal:
IRB: -0.4/0.7°C	☐ Standard 2-3 wk ☑ One week ☐ 3 days ☐ 24/48 Hrs. ☐ Other:	☐ Return to client ☑ Disposal by Lab (30-day retention)

Relinquished by sampler:	Date	Time	Received by:	Relinquished by:	Date	Time	Received by:
Relinquished by: Alex Edmonds	11/11/21	1500			11.12.21	1130	Received at lab by: Melody Horton

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

COOLER RECEIPT FORM **ARF: 98213**

1) Project: 60571032 CV18F0126 Red Hill Fuel Storage Date Received: 11/12/2021

2) Coolers: Number of Coolers: 1

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

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

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

6) YES Were cooler temperatures acceptable?

7) Serial number of calibrated thermometer used: IRB CF: +1.1°C

8) Cooler temp(s): In °C. Thermometer Temp / Corrected Temp
1: -0.4/0.7° 2: ____ 3: ____ 4: ____ 5: ____ 6: ____
7: ____ 8: ____ 9: ____ 10: ____ 11: ____ 12: ____

Chain of custody:

9) YES Was a chain of custody received?

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

Sample Labels:

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

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

Sample Containers:

13) YES Were all containers sealed in separate bags?

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

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

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

17) NO Were bubbles present in volatile samples?
If yes, the following were received with air bubbles:
Larger than a pea: ____
Smaller than a pea: ____

Preservation Hold time:

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

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

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

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

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

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

Notes/Deficiencies:

CUSTODY SEAL
APPL, Inc. (559) 275-2175
Initials QL Date 11/11/21

MT

Personnel receiving samples: MH Second reviewer: MS
Personnel labeling samples: MH
Project manager notified: MS Date/Time of notification 11/12/2021
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: 98213

Sample ID: ERH1904

APPL ID: BA46001

Sample Collection Date: 11/10/21

QCG: #DOC53-211116A1-270744

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	11/16/21	11/19/21
EPA 8015B-e	OIL (C24-C40)	200 B J	320	300.0	150.0	ug/L	11/16/21	11/19/21
EPA 8015B-e	SURROGATE: (R) DECANOIC ACID (S)	0.0	0-1			%	11/16/21	11/19/21
EPA 8015B-e	SURROGATE: OCTACOSANE (S)	142	60-142			%	11/16/21	11/19/21
EPA 8015B-e	SURROGATE: ORTHO-TERPHENYL (S)	112	56-125			%	11/16/21	11/19/21

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

Quant Method:	DEC0911.M
Run #:	1117098
Instrument:	Apollo
Sequence:	211117
Dilution Factor:	1
Initials:	KAB

Printed: 11/30/2021 9:59:05 AM
APPL-F1-SC-NoMC-REG MDLs-DOD

EPA 8015B TPH LIQ-LIQ

AECOM
1001 Bishop Street, Suite 1600
Honolulu, HI 96813

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 98213

Sample ID: ERH1904

APPL ID: BA46001

Sample Collection Date: 11/10/21

QCG: #DOC53-211116A-270742

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	11/16/21	11/19/21
EPA 8015B-e	OIL (C24-C40)	250 B J	320	300.0	150.0	ug/L	11/16/21	11/19/21
EPA 8015B-e	SURROGATE: OCTACOSANE (S)	94.4	60-142			%	11/16/21	11/19/21
EPA 8015B-e	SURROGATE: ORTHO-TERPHENYL (S)	76.2	56-125			%	11/16/21	11/19/21

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

Quant Method:	DOC1028.M
Run #:	1117084
Instrument:	Apollo
Sequence:	211117
Dilution Factor:	1
Initials:	KAB

Printed: 11/30/2021 9:59:05 AM
APPL-F1-SC-NoMC-REG MDLs-DOD

EPA 8015B TPH LIQ-LIQ

AECOM
1001 Bishop Street, Suite 1600
Honolulu, HI 96813

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 98213

Sample ID: ERH1904 BLANK

APPL ID: BA46002

Sample Collection Date: 11/10/21

QCG: #RHBLK-211115A-270717

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	11/15/21	11/18/21
EPA 8015B-e	OIL (C24-C40)	300.0 U	320	300.0	150.0	ug/L	11/15/21	11/18/21
EPA 8015B-e	SURROGATE: OCTACOSANE (S)	88.1	60-142			%	11/15/21	11/18/21
EPA 8015B-e	SURROGATE: ORTHO-TERPHENYL (S)	71.0	56-125			%	11/15/21	11/18/21

Quant Method:	DOC1028.M
Run #:	1117032
Instrument:	Apollo
Sequence:	211117
Dilution Factor:	1
Initials:	KAB

Printed: 11/30/2021 9:59:05 AM

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

EPA 8270D SIM LIQ-LIQ

AECOM
1001 Bishop Street, Suite 1600
Honolulu, HI 96813

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 98213

Sample ID: ERH1904

APPL ID: BA46001

Sample Collection Date: 11/10/21

QCG: #SIM53-211115AK-271047

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	11/15/21	11/18/21
8270D-SIM	2-METHYLNAPHTHALENE	0.10 U	0.2	0.10	0.04	ug/L	11/15/21	11/18/21
8270D-SIM	NAPHTHALENE	0.10 U	0.2	0.10	0.04	ug/L	11/15/21	11/18/21
8270D-SIM	SURROGATE: 2-METHYLNAPHTHALEN	87.5	39-114			%	11/15/21	11/18/21
8270D-SIM	SURROGATE: FLUORANTHENE-D10 (S	101	58-120			%	11/15/21	11/18/21

Quant Method: K1019.M
Run #: 1019K442
Instrument: KYLO
Sequence: 211019
Dilution Factor: 1
Initials: LSI

Printed: 11/30/2021 3:11:14 PM
APPL-F1-SC-NoMC-REG MDLs-DOD

EPA 8260B BTEX WATER

AECOM
1001 Bishop Street, Suite 1600
Honolulu, HI 96813

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 98213

Sample ID: ERH1903

APPL ID: BA46000

Sample Collection Date: 11/10/21

QCG: #86BTO-AM211115-270528

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	11/15/21	11/15/21
EPA 8260B	ETHYLBENZENE	0.50 U	1.0	0.50	0.23	ug/L	11/15/21	11/15/21
EPA 8260B	TOLUENE	0.30 U	1.0	0.30	0.15	ug/L	11/15/21	11/15/21
EPA 8260B	XYLENES (TOTAL)	0.30 U	2.0	0.30	0.15	ug/L	11/15/21	11/15/21
EPA 8260B	SURROGATE: 1,2-DICHLOROETHANE-	101	81-118			%	11/15/21	11/15/21
EPA 8260B	SURROGATE: 4-BROMOFLUOROBENZ	99.2	85-114			%	11/15/21	11/15/21
EPA 8260B	SURROGATE: DIBROMOFLUOROMETH	102	80-119			%	11/15/21	11/15/21
EPA 8260B	SURROGATE: TOLUENE-D8 (S)	97.4	89-112			%	11/15/21	11/15/21

Quant Method: M1111W.M
Run #: 1115M23
Instrument: Max
Sequence: 211111
Dilution Factor: 1
Initials: PAN

Printed: 11/22/2021 2:52:50 PM
APPL-F1-SC-NoMC-REG MDLs-DOD

EPA 8260B BTEX WATER

AECOM
1001 Bishop Street, Suite 1600
Honolulu, HI 96813

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 98213

Sample ID: ERH1904

APPL ID: BA46001

Sample Collection Date: 11/10/21

QCG: #86BTO-AM211115-270528

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	11/15/21	11/15/21
EPA 8260B	ETHYLBENZENE	0.50 U	1.0	0.50	0.23	ug/L	11/15/21	11/15/21
EPA 8260B	TOLUENE	0.30 U	1.0	0.30	0.15	ug/L	11/15/21	11/15/21
EPA 8260B	XYLENES (TOTAL)	0.30 U	2.0	0.30	0.15	ug/L	11/15/21	11/15/21
EPA 8260B	SURROGATE: 1,2-DICHLOROETHANE-	103	81-118			%	11/15/21	11/15/21
EPA 8260B	SURROGATE: 4-BROMOFLUOROBENZ	94.6	85-114			%	11/15/21	11/15/21
EPA 8260B	SURROGATE: DIBROMOFLUOROMETH	106	80-119			%	11/15/21	11/15/21
EPA 8260B	SURROGATE: TOLUENE-D8 (S)	97.3	89-112			%	11/15/21	11/15/21

Quant Method: M1111W.M
Run #: 1115M24
Instrument: Max
Sequence: 211111
Dilution Factor: 1
Initials: PAN

Printed: 11/22/2021 2:52:50 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: 98213

Sample ID: ERH1903

APPL ID: BA46000

Sample Collection Date: 11/10/21

QCG: #GRO86-211115AM-270843

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	11/15/21	11/15/21
EPA 8260B	SURROGATE: 4-BROMOFLUOROBENZ	98.2	85-114			%	11/15/21	11/15/21

Quant Method:	MGAS0825.M
Run #:	1115M23
Instrument:	Max
Sequence:	211111
Dilution Factor:	1
Initials:	PAN

Printed: 11/23/2021 8:30:58 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: 98213

Sample ID: ERH1904

APPL ID: BA46001

Sample Collection Date: 11/10/21

QCG: #GRO86-211115AM-270843

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	11/15/21	11/15/21
EPA 8260B	SURROGATE: 4-BROMOFLUOROBENZ	93.7	85-114			%	11/15/21	11/15/21

Quant Method:	MGAS0825.M
Run #:	1115M24
Instrument:	Max
Sequence:	211111
Dilution Factor:	1
Initials:	PAN

Printed: 11/23/2021 8:30:58 AM

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: ERH1904

APPL ID: BA46001

Sample Collection Date: 11/10/2021

ARF: 98213

Method	Analyte	Result	LOQ	LOD	DL	Units	DF	Prep Date	Analysis Date
SW846 9060A	TOTAL ORGANIC CARBON	0.350 U	0.93	0.350	0.130	mg/L	1	11/20/21	11/20/21

Printed: 11/24/2021 10:23:11 AM

APPL-F1-SC-NoMC-REG MDLs

QC FORMS

EPA 8015B-eHL

Form 2 & 8

Surrogate Recovery

Lab Name: APPL, Inc. SDG No: 98213

Case No: 98213 Date Analyzed: 11/18/2021

Matrix: WATER Instrument: Apollo

APPL ID.	Client Sample No.	SURROGATE: OCTACOSANE (S)			SURROGATE: ORTHO-TERPHENYL (S)		
		Limits	Result	Qualifier	Limits	Result	Qualifier
211116A-BLK	Blank	60-142	90.8		56-125	73.1	
211116A-LCS	Lab Control Spike	60-142	94.7		56-125	86.0	
211116A-LCSD	Lab Control SpikeD	60-142	94.7		56-125	85.3	
BA46001	ERH1904	60-142	94.4		56-125	76.2	

Comments: Batch: #DOC53-211116A

EPA 8015B-eHL

Form 2 & 8

Surrogate Recovery

Lab Name: APPL, Inc. SDG No: 98213

Case No: 98213 Date Analyzed: 11/19/2021

Matrix: WATER Instrument: Apollo

APPL ID.	Client Sample No.	SURROGATE: (R) DECANOIC ACID (S)			SURROGATE: OCTACOSANE (S)		
		Limits	Result	Qualifier	Limits	Result	Qualifier
211116A1-BLK	Blank	0-1	0.0		60-142	117	
211116A1-LCS	Lab Control Spike	0-1	0.0		60-142	124	
211116A1-LCSD	Lab Control SpikeD	0-1	0.0		60-142	111	
BA46001	ERH1904	0-1	0.0		60-142	142	

Comments: Batch: #DOC53-211116A1

EPA 8015B-eHL

Form 2 & 8

Surrogate Recovery

Lab Name: APPL, Inc. SDG No: 98213

Case No: 98213 Date Analyzed: 11/19/2021

Matrix: WATER Instrument: Apollo

APPL ID.	Client Sample No.	SURROGATE: ORTHO-TERPHENYL (S)					
		Limits	Result	Qualifier	Limits	Result	Qualifier
211116A1-BLK	Blank	56-125	92.8				
211116A1-LCS	Lab Control Spike	56-125	112				
211116A1-LCSD	Lab Control SpikeD	56-125	95.3				
BA46001	ERH1904	56-125	112				

Comments: Batch: #DOC53-211116A1

EPA 8015B-eHL

Form 2 & 8

Surrogate Recovery

Lab Name: APPL, Inc. SDG No: 98213

Case No: 98213 Date Analyzed: 11/17/2021

Matrix: WATER Instrument: Apollo

APPL ID.	Client Sample No.	SURROGATE: OCTACOSANE (S)			SURROGATE: ORTHO-TERPHENYL (S)		
		Limits	Result	Qualifier	Limits	Result	Qualifier
211115A-BLK	Blank	60-142	87.1		56-125	69.2	
211115A-LCS	Lab Control Spike	60-142	88.0		56-125	70.7	
211115A-LCSD	Lab Control SpikeD	60-142	84.0		56-125	67.3	
BA46002	ERH1904 BLANK	60-142	88.1		56-125	71.0	

Comments: Batch: #RHBLK-211115A

EPA 8015B-eH

Form 4

Blank Summary

Lab Name:	APPL, Inc.	SDG No:	98213
Case No:	98213	Date Analyzed:	11/18/2021
Matrix:	WATER	Instrument:	Apollo
Blank ID:	211116A-BLK	Time Analyzed:	2317

APPL ID.	Client Sample No.	File ID.	Date Analyzed
211116A-BLK	Blank	1117081	11/18/2021 2317
211116A-LCS	Lab Control Spike	1117082	11/18/2021 2345
211116A-LCSD	Lab Control SpikeD	1117083	11/19/2021 0013
BA46001	ERH1904	1117084	11/19/2021 0041

Comments: Batch: #DOC53-211116A

EPA 8015B-eH

Form 4

Blank Summary

Lab Name:	APPL, Inc.	SDG No:	98213
Case No:	98213	Date Analyzed:	11/19/2021
Matrix:	WATER	Instrument:	Apollo
Blank ID:	211116A1-BLK	Time Analyzed:	0550

APPL ID.	Client Sample No.	File ID.	Date Analyzed
211116A1-BLK	Blank	1117095	11/19/2021 0550
211116A1-LCS	Lab Control Spike	1117096	11/19/2021 0618
211116A1-LCSD	Lab Control SpikeD	1117097	11/19/2021 0646
BA46001	ERH1904	1117098	11/19/2021 0714

Comments: Batch: #DOC53-211116A1

EPA 8015B-eH

Form 4

Blank Summary

Lab Name:	APPL, Inc.	SDG No:	98213
Case No:	98213	Date Analyzed:	11/17/2021
Matrix:	WATER	Instrument:	Apollo
Blank ID:	211115A-BLK	Time Analyzed:	2255

APPL ID.	Client Sample No.	File ID.	Date Analyzed
211115A-BLK	Blank	1117029	11/17/2021 2255
211115A-LCS	Lab Control Spike	1117030	11/17/2021 2323
211115A-LCSD	Lab Control SpikeD	1117031	11/17/2021 2351
BA46002	ERH1904 BLANK	1117032	11/18/2021 0019

Comments: Batch: #RHBLK-211115A

Method Blank
EPA 8015B TPH LIQ-LIQ

APPL Inc.
908 North Temperance Avenu
Clovis, CA 93611

Blank Name/QCG: **211115W-46002 - 270717**
Batch ID: #RHBLK-211115A

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	11/15/2021	11/17/2021
BLANK	OIL (C24-C40)	300.0 U	320	300.0	150.0	ug/L	11/15/2021	11/17/2021
BLANK	SURROGATE: OCTACOSANE (S)	87.1	60-142			%	11/15/2021	11/17/2021
BLANK	SURROGATE: ORTHO-TERPHEN	69.2	56-125			%	11/15/2021	11/17/2021

Quant Method: DOC1028.M
Run #: 1117029
Instrument: Apollo
Sequence: 211117
Initials: KAB

GC SC-Blank-REG MDLs-DOD
Printed: 11/19/2021 7:18:53 PM

Method Blank
EPA 8015B TPH LIQ-LIQ

Blank Name/QCG: **211116W-46001 - 270742**
Batch ID: #DOC53-211116A

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	11/16/2021	11/18/2021
BLANK	OIL (C24-C40)	340	320	300.0	150.0	ug/L	11/16/2021	11/18/2021
BLANK	SURROGATE: OCTACOSANE (S)	90.8	60-142			%	11/16/2021	11/18/2021
BLANK	SURROGATE: ORTHO-TERPHEN	73.1	56-125			%	11/16/2021	11/18/2021

Quant Method: DOC1028.M
Run #: 1117081
Instrument: Apollo
Sequence: 211117
Initials: KAB

GC SC-Blank-REG MDLs-DOD
Printed: 11/19/2021 7:18:53 PM

Method Blank
EPA 8015B TPH WATER L-L SGC

APPL Inc.
908 North Temperance Avenu
Clovis, CA 93611

Blank Name/QCG: **211116W-46001 - 270744**
Batch ID: #DOC53-211116A1

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	11/16/2021	11/19/2021
BLANK	OIL (C24-C40)	260 J	320	300.0	150.0	ug/L	11/16/2021	11/19/2021
BLANK	SURROGATE: (R) DECANOIC AC	0.0	0-1			%	11/16/2021	11/19/2021
BLANK	SURROGATE: OCTACOSANE (S)	117	60-142			%	11/16/2021	11/19/2021
BLANK	SURROGATE: ORTHO-TERPHEN	92.8	56-125			%	11/16/2021	11/19/2021

J = Estimated value.

Quant Method: DEC0911.M
Run #: 1117095
Instrument: Apollo
Sequence: 211117
Initials: KAB

GC SC-Blank-REG MDLs-DOD
Printed: 11/30/2021 9:44:30 AM

EPA 8015B-eH

Form 4

LCS Summary

Lab Name:	APPL, Inc.	SDG No:	98213
Case No:	98213	Date Analyzed:	11/18/2021
Matrix:	WATER	Instrument:	Apollo
LCS ID:	211116A-LCS	Time Analyzed:	2345

APPL ID.	Client Sample No.	File ID.	Date Analyzed
211116A-BLK	Blank	1117081	11/18/2021 2317
211116A-LCS	Lab Control Spike	1117082	11/18/2021 2345
211116A-LCSD	Lab Control SpikeD	1117083	11/19/2021 0013
BA46001	ERH1904	1117084	11/19/2021 0041

Comments: Batch: #DOC53-211116A

EPA 8015B-eH

Form 4

LCS Summary

Lab Name:	APPL, Inc.	SDG No:	98213
Case No:	98213	Date Analyzed:	11/19/2021
Matrix:	WATER	Instrument:	Apollo
LCS ID:	211116A1-LCS	Time Analyzed:	0618

APPL ID.	Client Sample No.	File ID.	Date Analyzed
211116A1-BLK	Blank	1117095	11/19/2021 0550
211116A1-LCS	Lab Control Spike	1117096	11/19/2021 0618
211116A1-LCSD	Lab Control SpikeD	1117097	11/19/2021 0646
BA46001	ERH1904	1117098	11/19/2021 0714

Comments: Batch: #DOC53-211116A1

EPA 8015B-eH

Form 4

LCS Summary

Lab Name:	APPL, Inc.	SDG No:	98213
Case No:	98213	Date Analyzed:	11/17/2021
Matrix:	WATER	Instrument:	Apollo
LCS ID:	211115A-LCS	Time Analyzed:	2323

APPL ID.	Client Sample No.	File ID.	Date Analyzed
211115A-BLK	Blank	1117029	11/17/2021 2255
211115A-LCS	Lab Control Spike	1117030	11/17/2021 2323
211115A-LCSD	Lab Control SpikeD	1117031	11/17/2021 2351
BA46002	ERH1904 BLANK	1117032	11/18/2021 0019

Comments: Batch: #RHBLK-211115A

Laboratory Control Spike Recoveries
EPA 8015B TPH LIQ-LIQ

APPL ID: **211116W-46001 LCS - 270742**
Batch ID: #DOC53-211116A

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Compound Name	Spike Lvl ug/L	SPK Result ug/L	DUP Result ug/L	SPK % Recovery	DUP % Recovery	Recovery Limits	RPD %	RPD Limits
DIESEL (C10-C24)	2000	1840	1770	92.0	88.5	36-132	3.9	30
OIL (C24-C40)	2000	1890	1900	94.5	95.0	41-113	0.53	30
SURROGATE: OCTACOSANE (S)	150	142	142	94.7	94.7	60-142		
SURROGATE: ORTHO-TERPHENYL (S)	150	129	128	86.0	85.3	56-125		

Comments:

Primary	SPK	DUP
Quant Method :	DOC1028.M	DOC1028.M
Extraction Date :	11/16/2021	11/16/2021
Analysis Date :	11/18/2021	11/19/2021
Instrument :	Apollo	Apollo
Run :	1117082	1117083
Initials :	KAB	

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

APPL ID: **211116W-46001 LCS - 270744**
Batch ID: #DOC53-211116A1

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	2300	1940	115	97.0	36-132	17.0	30
OIL (C24-C40)	2000	2460	2220	123 #	111	41-113	10.3	30
SURROGATE: (R) DECANOIC ACID (S)	10.00	0	0	0.0	0.0	0-1		
SURROGATE: OCTACOSANE (S)	150	186	167	124	111	60-142		
SURROGATE: ORTHO-TERPHENYL (S)	150	168	143	112	95.3	56-125		

= Recovery is outside QC limits.

Comments:

Primary	SPK	DUP
Quant Method :	DEC0911.M	DEC0911.M
Extraction Date :	11/16/2021	11/16/2021
Analysis Date :	11/19/2021	11/19/2021
Instrument :	Apollo	Apollo
Run :	1117096	1117097
Initials :	KAB	

Laboratory Control Spike Recoveries
EPA 8015B TPH LIQ-LIQ

APPL ID: **211115W-46002 LCS - 270717**
Batch ID: #RHBLK-211115A

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	45.8	46.1	NA	NA	36-132		30
OIL (C24-C40)	0	45.8	49.5	NA	NA	41-113		30
SURROGATE: OCTACOSANE (S)	150	132	126	88.0	84.0	60-142		
SURROGATE: ORTHO-TERPHENYL (S)	150	106	101	70.7	67.3	56-125		

Comments:

Primary	SPK	DUP
Quant Method :	DOC1028.M	DOC1028.M
Extraction Date :	11/15/2021	11/15/2021
Analysis Date :	11/17/2021	11/17/2021
Instrument :	Apollo	Apollo
Run :	1117030	1117031
Initials :	KAB	

Printed: 11/19/2021 7:18:41 PM
APPL Standard LCSD

8270D-SIM

Form 2 & 8

Surrogate Recovery

Lab Name: APPL, Inc. SDG No: 98213

Case No: 98213 Date Analyzed: 11/18/2021

Matrix: WATER Instrument: KYLO

APPL ID.	Client Sample No.	SURROGATE: 2-METHYLNAPHTHALENE-D10 (S)			SURROGATE: FLUORANTHENE-D10 (S)		
		Limits	Result	Qualifier	Limits	Result	Qualifier
211115AK-BLK	Blank	39-114	85.7		58-120	101	
211115AK-LCS	Lab Control Spike	39-114	90.2		58-120	101	
211115AK-LCSD	Lab Control SpikeD	39-114	88.4		58-120	96.6	
BA46001	ERH1904	39-114	87.5		58-120	101	

Comments: Batch: #SIM53-211115AK

8270D-SIM

Form 4

Blank Summary

Lab Name: APPL, Inc. SDG No: 98213

Case No: 98213 Date Analyzed: 11/18/2021

Matrix: WATER Instrument: KYLO

Blank ID: 211115AK-BLK Time Analyzed: 0921

APPL ID.	Client Sample No.	File ID.	Date Analyzed
211115AK-BLK	Blank	1019K438	11/18/2021 0921
211115AK-LCS	Lab Control Spike	1019K439	11/18/2021 0940
211115AK-LCSD	Lab Control SpikeD	1019K440	11/18/2021 1000
BA46001	ERH1904	1019K442	11/18/2021 1040

Comments: Batch: #SIM53-211115AK

Method Blank
EPA 8270D SIM LIQ-LIQ

Blank Name/QCG: **211115W-45998 - 271047**
Batch ID: #SIM53-211115AK

APPL Inc.
908 North Temperance Avenu
Clovis, CA 93611

Sample Type	Analyte	Result	LOQ	LOD	DL	Units	Extraction Date	Analysis Date
BLANK	1-METHYLNAPHTHALENE	0.10 U	0.2	0.10	0.04	ug/L	11/15/2021	11/18/2021
BLANK	2-METHYLNAPHTHALENE	0.10 U	0.2	0.10	0.04	ug/L	11/15/2021	11/18/2021
BLANK	NAPHTHALENE	0.10 U	0.2	0.10	0.04	ug/L	11/15/2021	11/18/2021
BLANK	SURROGATE: 2-METHYLNAPHT	85.7	39-114			%	11/15/2021	11/18/2021
BLANK	SURROGATE: FLUORANTHENE-	101	58-120			%	11/15/2021	11/18/2021

Quant Method: K1019.M
Run #: 1019K438
Instrument: KYLO
Sequence: 211019
Initials: LSI

GC SC-Blank-REG MDLs-DOD
Printed: 11/30/2021 3:12:21 PM

8270D-SIM

Form 4

LCS Summary

Lab Name:	APPL, Inc.	SDG No:	98213
Case No:	98213	Date Analyzed:	11/18/2021
Matrix:	WATER	Instrument:	KYLO
LCS ID:	211115AK-LCS	Time Analyzed:	0940

APPL ID.	Client Sample No.	File ID.	Date Analyzed
211115AK-BLK	Blank	1019K438	11/18/2021 0921
211115AK-LCS	Lab Control Spike	1019K439	11/18/2021 0940
211115AK-LCSD	Lab Control SpikeD	1019K440	11/18/2021 1000
BA46001	ERH1904	1019K442	11/18/2021 1040

Comments: Batch: #SIM53-211115AK

Laboratory Control Spike Recoveries
EPA 8270D SIM LIQ-LIQ

APPL ID: **211115W-45998 LCS - 271047**
Batch ID: #SIM53-211115AK

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	4.04	3.65	80.8	73.0	41-115	10.1	20
2-METHYLNAPHTHALENE	5.00	4.07	3.71	81.4	74.2	39-114	9.3	20
NAPHTHALENE	5.00	3.98	3.63	79.6	72.6	43-114	9.2	20
SURROGATE: 2-METHYLNAPHTHALEN	5.00	4.51	4.42	90.2	88.4	39-114		
SURROGATE: FLUORANTHENE-D10 (S)	5.00	5.05	4.83	101	96.6	58-120		

Comments:

Primary	SPK	DUP
Quant Method :	K1019.M	K1019.M
Extraction Date :	11/15/2021	11/15/2021
Analysis Date :	11/18/2021	11/18/2021
Instrument :	KYLO	KYLO
Run :	1019K439	1019K440
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	10 - 80% of mass 198	36.8
68	0 - 2% 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: 98213
Case No: 98213 Date Analyzed: 11/18/2021
Matrix: Water Instrument: KYLO
ID: 1019K436.D Time Analyzed: 8:49

	Client Sample No.	APPL ID.	File ID.	Date Analyzed
1	ERH1904	BA46001W07 1/1000	1019K442.D	11/18/2021 10:40
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				

m/e		
51	10 - 80% of mass 198	32.3
68	0 - 2% of mass 69	1.5
70	0 - 2% of mass 69	0.5
127	10 - 80% of mass 198	52.8
197	0 - 2% of mass 198	0.3
198	100 - 100% of mass 198	100.0
199	5 - 9% of mass 198	6.7
275	10 - 60% of mass 198	23.0
365	1 - 100% of mass 198	2.4
441	0.01 - 24% of mass 442	13.9
442	50 - 500% of mass 198	75.4
443	15 - 24% of mass 442	18.2

8A
INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: APPL Inc. Contract:

Lab Code: SDG No.:

Lab File ID (Standard): 1019K007.D Date Analyzed: 10/19/21

Instrument ID: KYLO Time Analyzed: 15:49

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

		Napthalene-D8(IS)		Acenaphthene-D10(IS)		Phenanthrene-D10(IS)	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
	12 HOUR STD	11510	3.92	5675	5.86	8972	7.56
	UPPER LIMIT	23020	4.09	11350	6.03	17944	7.73
	LOWER LIMIT	5755	3.75	2838	5.69	4486	7.39
	SAMPLE NO.						
01	BA46001W07 1/1000	13515	3.86	6573	5.79	10029	7.49
02							
03							
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.

8A
INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: APPL Inc. Contract:

Lab Code: SDG No.:

Lab File ID (Standard): 1019K007.D Date Analyzed: 10/19/21

Instrument ID: KYLO Time Analyzed: 15:49

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

		Chrysene-D12(IS)		Perylene-D12(IS)			
		AREA #	RT #	AREA #	RT #	AREA #	RT #
	12 HOUR STD	10664	10.62	9232	12.83		
	UPPER LIMIT	21328	10.79	18464	13.00		
	LOWER LIMIT	5332	10.45	4616	12.66		
	SAMPLE NO.						
01	BA46001W07 1/1000	12086	10.54	11119	12.71		
02							
03							
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: 98213

Case No: 98213 Date Analyzed: 11/15/2021

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
AM211115-LCS	Lab Control Spike	81-118	98.8		85-114	97.6	
AM211115-LCSD	Lab Control SpikeD	81-118	98.0		85-114	99.6	
AM211115-BLK	Blank	81-118	97.8		85-114	99.3	
BA46000	ERH1903	81-118	101		85-114	99.2	
BA46001	ERH1904	81-118	103		85-114	94.6	

Comments: Batch: #86BTO-AM211115

EPA 8260B

Form 2 & 8

Surrogate Recovery

Lab Name: APPL, Inc. SDG No: 98213

Case No: 98213 Date Analyzed: 11/15/2021

Matrix: WATER Instrument: Max

APPL ID.	Client Sample No.	SURROGATE: DIBROMOFLUOROMETHANE (S)			SURROGATE: TOLUENE-D8 (S)		
		Limits	Result	Qualifier	Limits	Result	Qualifier
AM211115-LCS	Lab Control Spike	80-119	99.2		89-112	97.6	
AM211115-LCSD	Lab Control SpikeD	80-119	99.2		89-112	99.2	
AM211115-BLK	Blank	80-119	102		89-112	97.7	
BA46000	ERH1903	80-119	102		89-112	97.4	
BA46001	ERH1904	80-119	106		89-112	97.3	

Comments: Batch: #86BTO-AM211115

EPA 8260B

Form 4

Blank Summary

Lab Name:	APPL, Inc.	SDG No:	98213
Case No:	98213	Date Analyzed:	11/15/2021
Matrix:	WATER	Instrument:	Max
Blank ID:	AM211115-BLK	Time Analyzed:	1150

APPL ID.	Client Sample No.	File ID.	Date Analyzed
AM211115-LCS	Lab Control Spike	1115M03	11/15/2021 0928
AM211115-LCSD	Lab Control SpikeD	1115M04	11/15/2021 0957
AM211115-BLK	Blank	1115M08	11/15/2021 1150
BA46000	ERH1903	1115M23	11/15/2021 1856
BA46001	ERH1904	1115M24	11/15/2021 1924

Comments: Batch: #86BTO-AM211115

Method Blank
EPA 8260B BTEX WATER

APPL Inc.
908 North Temperance Avenu
Clovis, CA 93611

Blank Name/QCG: **AM2111W-46000 - 270528**
Batch ID: #86BTO-AM211115

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	11/15/2021	11/15/2021
BLANK	ETHYLBENZENE	0.50 U	1.0	0.50	0.23	ug/L	11/15/2021	11/15/2021
BLANK	TOLUENE	0.30 U	1.0	0.30	0.15	ug/L	11/15/2021	11/15/2021
BLANK	XYLENES (TOTAL)	0.30 U	2.0	0.30	0.15	ug/L	11/15/2021	11/15/2021
BLANK	SURROGATE: 1,2-DICHLOROET	97.8	81-118			%	11/15/2021	11/15/2021
BLANK	SURROGATE: 4-BROMOFLUORO	99.3	85-114			%	11/15/2021	11/15/2021
BLANK	SURROGATE: DIBROMOFLUOR	102	80-119			%	11/15/2021	11/15/2021
BLANK	SURROGATE: TOLUENE-D8 (S)	97.7	89-112			%	11/15/2021	11/15/2021

Quant Method:M1111W.M
Run #:1115M08
Instrument:Max
Sequence:211111
Initials:PAN

GC SC-Blank-REG MDLs-DOD
Printed: 11/22/2021 2:53:16 PM

EPA 8260B

Form 4

LCS Summary

Lab Name:	APPL, Inc.	SDG No:	98213
Case No:	98213	Date Analyzed:	11/15/2021
Matrix:	WATER	Instrument:	Max
LCS ID:	AM211115-LCS	Time Analyzed:	0928

APPL ID.	Client Sample No.	File ID.	Date Analyzed
AM211115-LCS	Lab Control Spike	1115M03	11/15/2021 0928
AM211115-LCSD	Lab Control SpikeD	1115M04	11/15/2021 0957
AM211115-BLK	Blank	1115M08	11/15/2021 1150
BA46000	ERH1903	1115M23	11/15/2021 1856
BA46001	ERH1904	1115M24	11/15/2021 1924

Comments: Batch: #86BTO-AM211115

Laboratory Control Spike Recoveries
EPA 8260B BTEX WATER

APPL ID: **211115W-46000 LCS - 270528**
Batch ID: #86BTO-AM211115

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	9.64	104	96.4	79-120	7.6	20
ETHYLBENZENE	10.00	10.7	10.4	107	104	79-121	2.8	20
TOLUENE	10.00	10.3	9.37	103	93.7	80-121	9.5	20
XYLENES (TOTAL)	30.0	31.1	29.9	104	99.7	79-121	3.9	20
SURROGATE: 1,2-DICHLOROETHANE-D	25.0	24.7	24.5	98.8	98.0	81-118		
SURROGATE: 4-BROMOFLUOROBENZE	25.0	24.4	24.9	97.6	99.6	85-114		
SURROGATE: DIBROMOFLUOROMETH	25.0	24.8	24.8	99.2	99.2	80-119		
SURROGATE: TOLUENE-D8 (S)	25.0	24.4	24.8	97.6	99.2	89-112		

Comments:

Primary	SPK	DUP
Quant Method :	M1111W.M	M1111W.M
Extraction Date :	11/15/2021	11/15/2021
Analysis Date :	11/15/2021	11/15/2021
Instrument :	Max	Max
Run :	1115M03	1115M04
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): 1111M27.D Date Analyzed: 11/11/21

Instrument ID: Max Time Analyzed: 21:00

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

		Fluorobenzene (IS)		Chlorobenzene-D5 (IS)		1,4-Dichlorobenzene-D (IS)	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
	12 HOUR STD	400946	6.37	356817	9.53	231463	11.85
	UPPER LIMIT	801892	6.54	713634	9.70	462926	12.02
	LOWER LIMIT	200473	6.20	178409	9.36	115732	11.68
	SAMPLE NO.						
01	0.3ug/L VOC STD 11/11	412529	6.37	369810	9.53	213533	11.85
02	0.5ug/L VOC STD 11/11	412615	6.37	365084	9.53	207406	11.85
03	1ug/L VOC STD 11/11/2	406373	6.37	352913	9.53	215896	11.85
04	2ug/L VOC STD 11/11/2	404400	6.37	350989	9.53	214879	11.85
05	5ug/L VOC STD 11/11/2	411540	6.37	360431	9.53	229293	11.85
06	10ug/L VOC STD 11/11/	400946	6.37	356817	9.53	231463	11.85
07	20ug/L VOC STD 11/11/	404029	6.37	358338	9.53	243425	11.85
08	40ug/L VOC STD 11/11/	410532	6.37	372777	9.53	245394	11.84
09	100ug/L VOC STD 11/1	401409	6.37	366234	9.53	257008	11.84
10	(SS) 10ug/L VOC STD 1	431765	6.37	384615	9.52	244603	11.84
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: 98213
Case No: 98213 Date Analyzed: 11/15/2021
Matrix: Water Instrument: Max
ID: 1115M01.D Time Analyzed: 8:32

	Client Sample No.	APPL ID.	File ID.	Date Analyzed
1	Lab Control Spike	211115A CCV/LCS 10ug	1115M03.D	11/15/2021 9:28
2	Lab Control SpikeD	211115A LCSD 10ug/L	1115M04.D	11/15/2021 9:57
3	Blank	211115A BLK	1115M08.D	11/15/2021 11:50
4	ERH1903	BA46000W01	1115M23.D	11/15/2021 18:56
5	ERH1904	BA46001W01	1115M24.D	11/15/2021 19:24
6		Ending CCV 10ug/L 11	1115M25.D	11/15/2021 19:52
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				

m/e		
50	15 - 40% of mass 95	19.0
75	30 - 60.04% of mass 95	59.5
95	100 - 200% of mass 95	100.0
96	5 - 9% of mass 95	6.7
173	0 - 2% of mass 174	0.0
174	50 - 200% of mass 95	126.9
175	5 - 9.02% of mass 174	7.8
176	95 - 101% of mass 174	100.5
177	5 - 9% of mass 176	6.9

8A
INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: APPL Inc. Contract:

Lab Code: SDG No.:

Lab File ID (Standard): 1115M03.D Date Analyzed: 11/15/21

Instrument ID: Max Time Analyzed: 9:28

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	414024	6.38	371836	9.53	236811	11.85
	UPPER LIMIT	828048	6.55	743672	9.70	473622	12.02
	LOWER LIMIT	207012	6.21	185918	9.36	118406	11.68
	SAMPLE NO.						
01	211115A CCV/LCS 10ug	414024	6.38	371836	9.53	236811	11.85
02	211115A LCSD 10ug/L	411326	6.38	355924	9.53	229762	11.85
03	211115A BLK	395694	6.38	350184	9.53	211146	11.85
04	BA46000W01	378652	6.38	334021	9.53	205625	11.85
05	BA46001W01	370786	6.37	332373	9.53	196683	11.85
06	Ending CCV 10ug/L 11/1	380344	6.37	342457	9.53	222128	11.85
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: 98213

Case No: 98213 Date Analyzed: 11/15/2021

Matrix: WATER Instrument: Max

APPL ID.	Client Sample No.	SURROGATE: 4-BROMOFLUOROBENZENE (S)					
		Limits	Result	Qualifier	Limits	Result	Qualifier
211115AM-LCS	Lab Control Spike	85-114	98.0				
211115AM-LCSD	Lab Control SpikeD	85-114	97.6				
211115AM-BLK	Blank	85-114	98.4				
BA46000	ERH1903	85-114	98.2				
BA46001	ERH1904	85-114	93.7				

Comments: Batch: #GRO86-211115AM

EPA 8260B

Form 4

Blank Summary

Lab Name:	APPL, Inc.	SDG No:	98213
Case No:	98213	Date Analyzed:	11/15/2021
Matrix:	WATER	Instrument:	Max
Blank ID:	211115AM-BLK	Time Analyzed:	1150

APPL ID.	Client Sample No.	File ID.	Date Analyzed
211115AM-LCS	Lab Control Spike	1115M06	11/15/2021 1053
211115AM-LCSD	Lab Control SpikeD	1115M07	11/15/2021 1122
211115AM-BLK	Blank	1115M08	11/15/2021 1150
BA46000	ERH1903	1115M23	11/15/2021 1857
BA46001	ERH1904	1115M24	11/15/2021 1925

Comments: Batch: #GRO86-211115AM

Method Blank
EPA 8260B GRO WATER

APPL Inc.
908 North Temperance Avenu
Clovis, CA 93611

Blank Name/QCG: **211115W-46000 - 270843**
Batch ID: #GRO86-211115AM

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	11/15/2021	11/15/2021
BLANK	SURROGATE: 4-BROMOFLUORO	98.4	85-114			%	11/15/2021	11/15/2021

Quant Method: MGAS0825.M
Run #: 1115M08
Instrument: Max
Sequence: 211111
Initials: PAN

GC SC-Blank-REG MDLs-DOD
Printed: 11/23/2021 8:32:09 AM

EPA 8260B

Form 4

LCS Summary

Lab Name:	APPL, Inc.	SDG No:	98213
Case No:	98213	Date Analyzed:	11/15/2021
Matrix:	WATER	Instrument:	Max
LCS ID:	211115AM-LCS	Time Analyzed:	1053

APPL ID.	Client Sample No.	File ID.	Date Analyzed
211115AM-LCS	Lab Control Spike	1115M06	11/15/2021 1053
211115AM-LCSD	Lab Control SpikeD	1115M07	11/15/2021 1122
211115AM-BLK	Blank	1115M08	11/15/2021 1150
BA46000	ERH1903	1115M23	11/15/2021 1857
BA46001	ERH1904	1115M24	11/15/2021 1925

Comments: Batch: #GRO86-211115AM

Laboratory Control Spike Recoveries
EPA 8260B GRO WATER

APPL ID: **211115W-46000 LCS - 270843**
Batch ID: #GRO86-211115AM

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	327	332	109	111	78-122	1.5	20
SURROGATE: 4-BROMOFLUOROBENZE	25.0	24.5	24.4	98.0	97.6	85-114		

Comments:

Primary	SPK	DUP
Quant Method :	MGAS0825.M	MGAS0825.M
Extraction Date :	11/15/2021	11/15/2021
Analysis Date :	11/15/2021	11/15/2021
Instrument :	Max	Max
Run :	1115M06	1115M07
Initials :	PAN	

SW846 9060A

Form 4

Blank Summary

Lab Name:	APPL, Inc.	SDG No:	98213
Case No:	98213	Date Analyzed:	11/19/2021
Matrix:	WATER	Instrument:	TICTOC
Blank ID:	211119A-BLK	Time Analyzed:	1308

APPL ID.	Client Sample No.	File ID.	Date Analyzed
211119A-LCS	Lab Control Spike	24	11/19/2021 1225
211119A-BLK	Blank	25	11/19/2021 1308
211119A-LCSD	Lab Control SpikeD	27	11/19/2021 2046
BA46001	ERH1904	34	11/20/2021 0138

Comments: Batch: #TOCW5-211119A

WETLAB BLANK

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Method	Analyte	Result	LOQ	LOD	DL	Units	Prep Date	Analysis Date	QC Group
SW846 90	TOTAL ORGANIC C	0.350 U	0.93	0.350	0.130	mg/L	11/19/21	11/19/21	#TOCW5-211119A-BA45998

SW846 9060A

Form 4

LCS Summary

Lab Name:	APPL, Inc.	SDG No:	98213
Case No:	98213	Date Analyzed:	11/19/2021
Matrix:	WATER	Instrument:	TICTOC
LCS ID:	211119A-LCS	Time Analyzed:	1225

APPL ID.	Client Sample No.	File ID.	Date Analyzed
211119A-LCS	Lab Control Spike	24	11/19/2021 1225
211119A-BLK	Blank	25	11/19/2021 1308
211119A-LCSD	Lab Control SpikeD	27	11/19/2021 2046
BA46001	ERH1904	34	11/20/2021 0138

Comments: Batch: #TOCW5-211119A

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	4.32	4.28	86.4	85.6	0.93	20	80-120	11/19/21	11/19/21	11/19/21	11/19/21	#TOCW5-211119A-BA459

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

			1028003.D	1028004.D	1028005.D	1028006.D	1028007.D	1028008.D	1028009.D								
		Compound	1	2	3	4	5	6	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		
5																	
6																	
7																	
8																	
9																	
10																	
11																	
12																	
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	
25																	
26																	
27																	
28																	
29																	
30																	
31																	
32																	
33																	
34																	
35																	

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

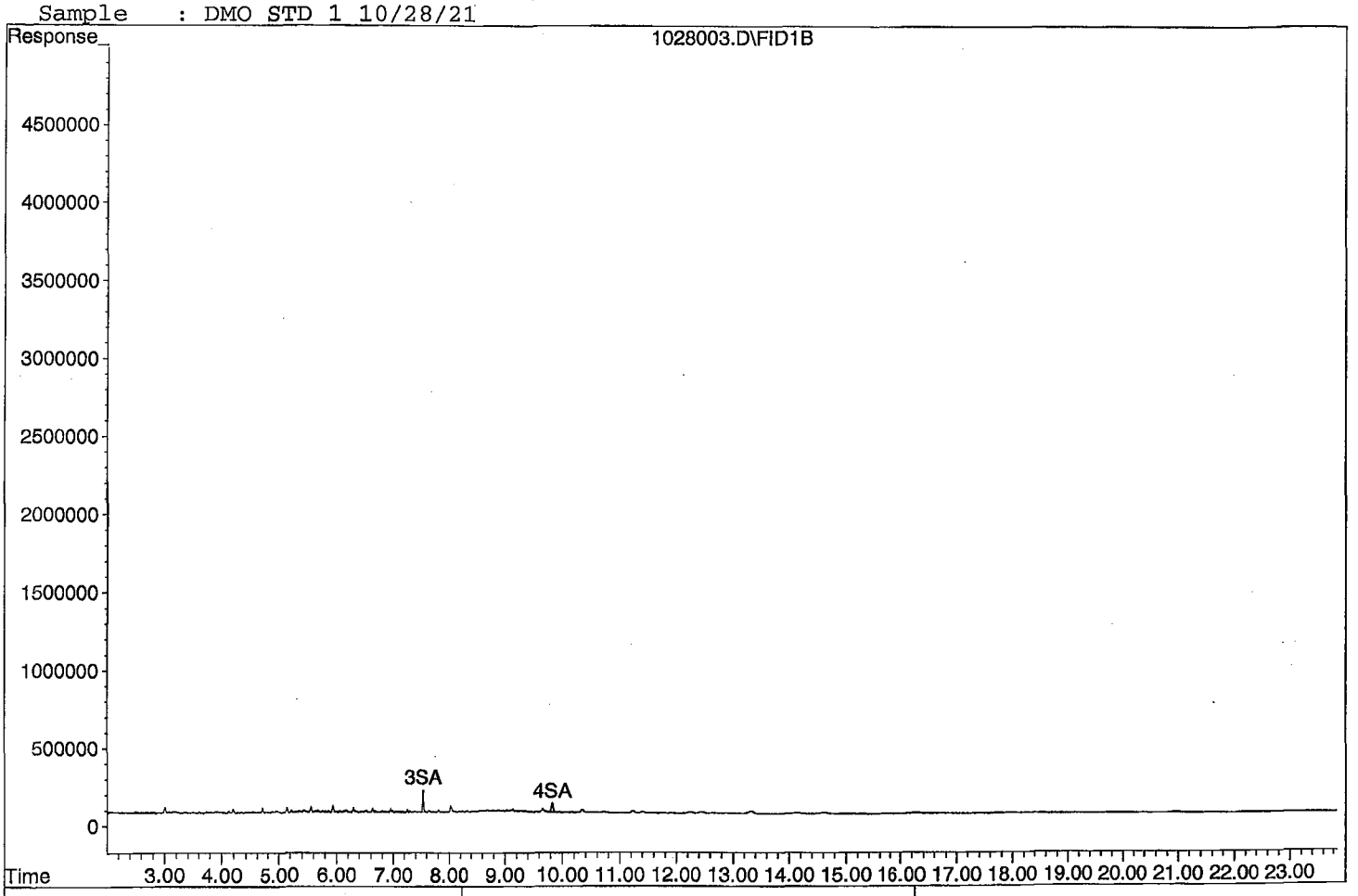
Method : G:\APOLLO\DATA\211028\DOC1028.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Oct 28 15:39:11 2021
Response via : Multiple Level Calibration

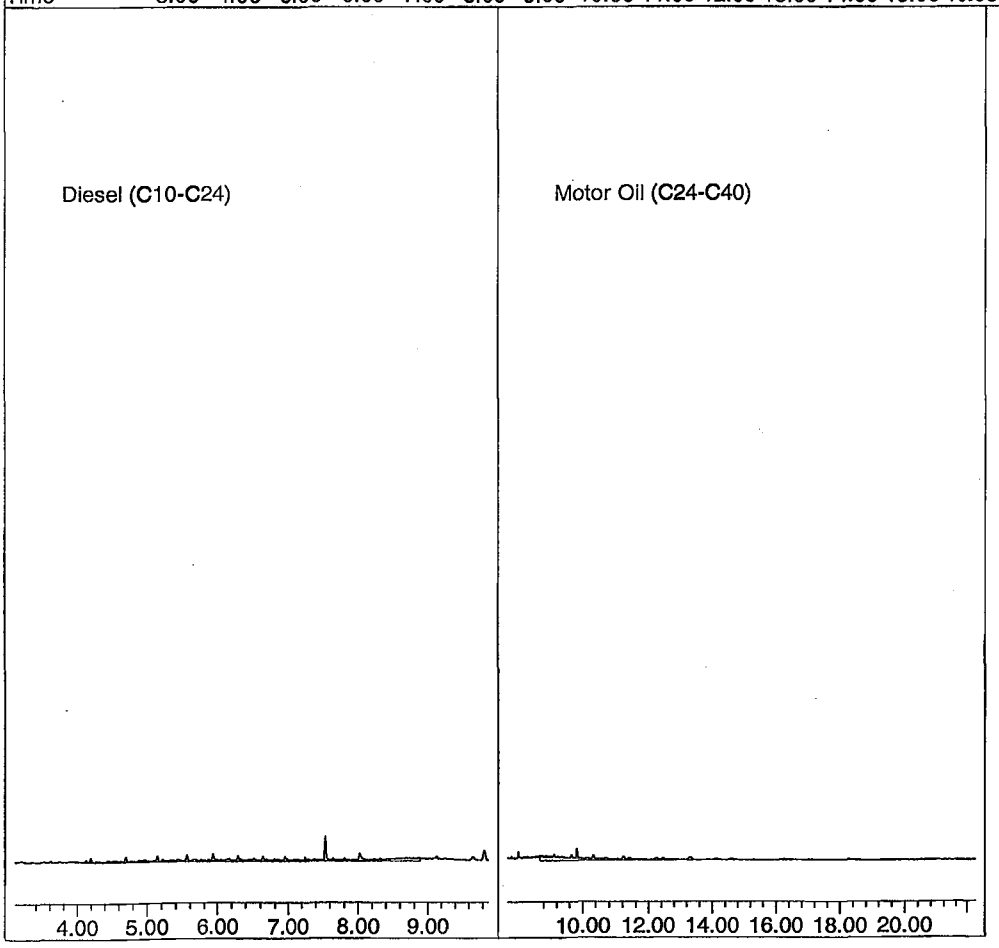
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

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

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





Quantitation Report (Not Reviewed)

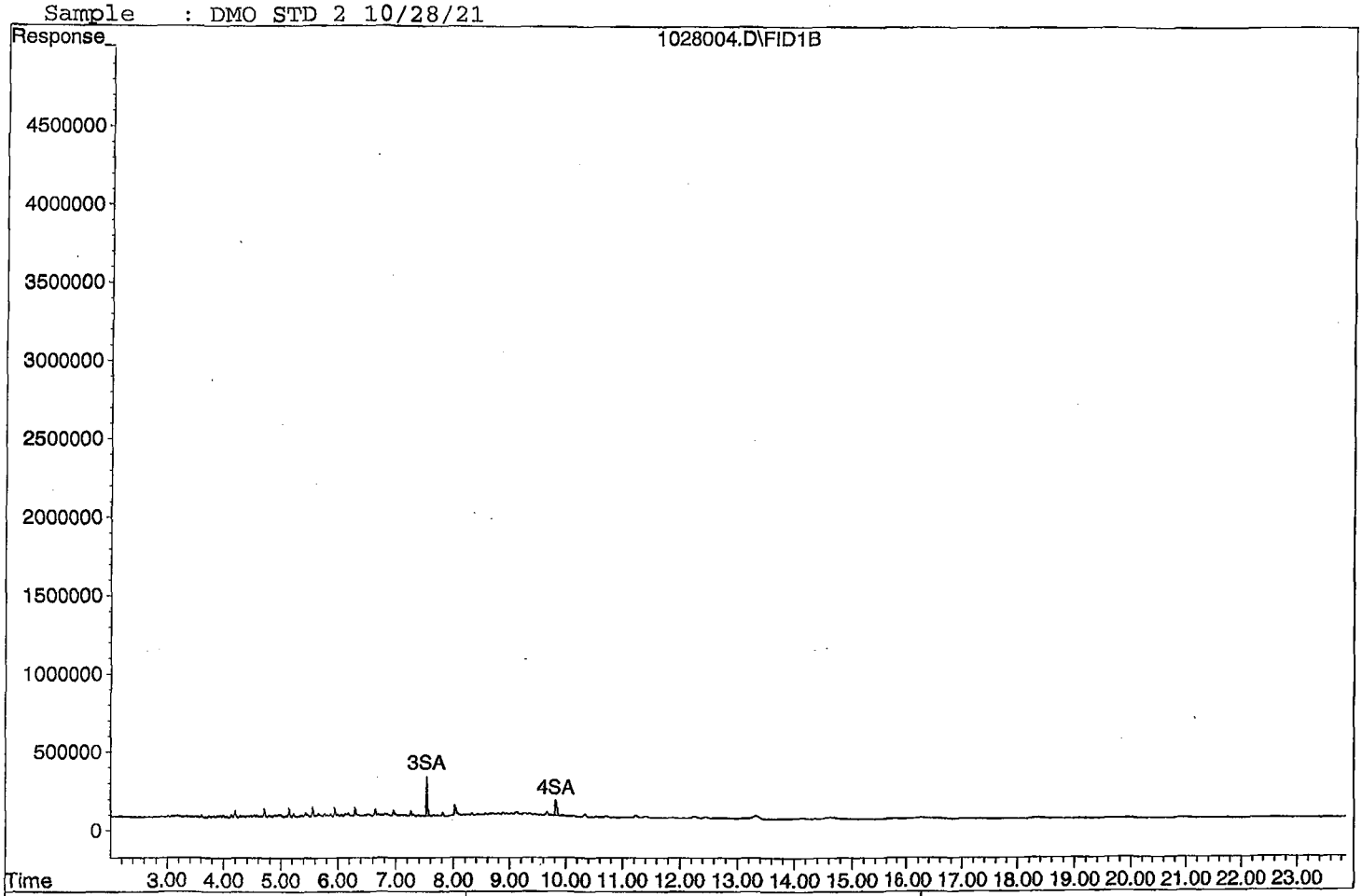
Data File : G:\APOLLO\DATA\211028\1028004.D Vial: 4
Acq On : 10-28-21 9:47:06 Operator: KA
Sample : DMO STD 2 10/28/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 28 15:39 2021 Quant Results File: DOC1028.RES

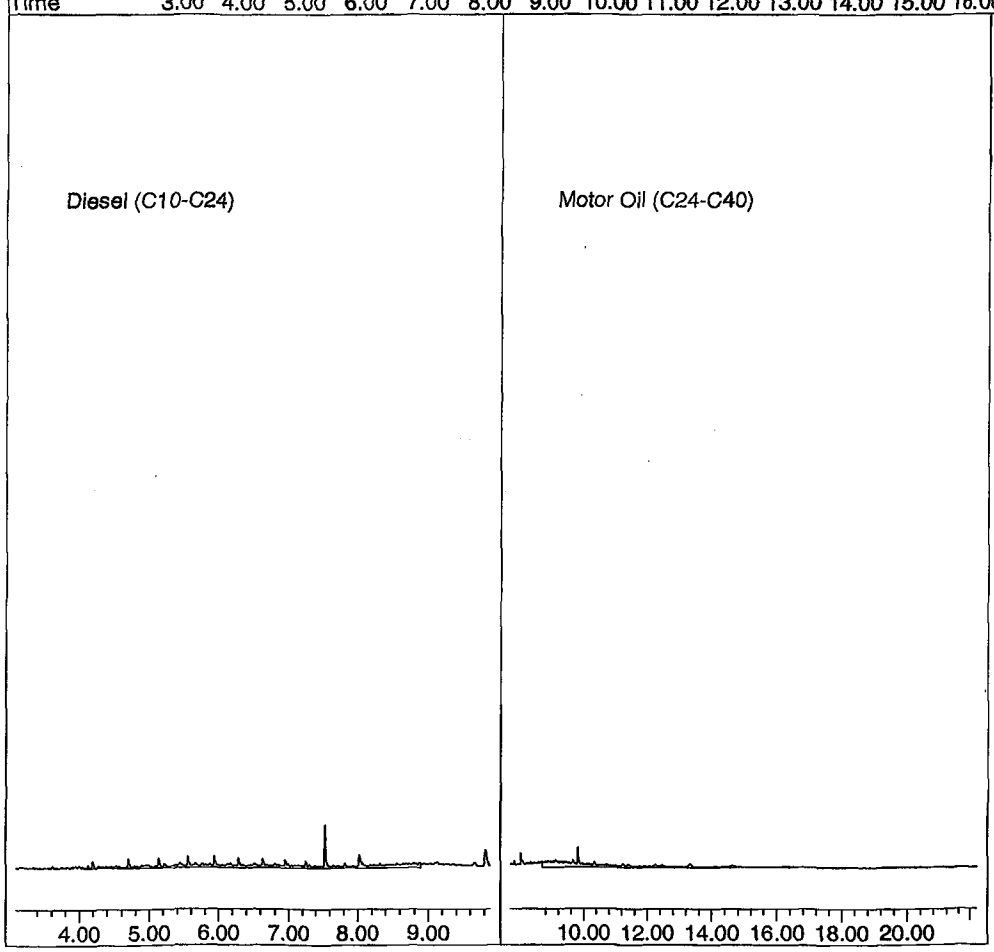
Method : G:\APOLLO\DATA\211028\DOC1028.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Oct 28 15:39:11 2021
Response via : Multiple Level Calibration

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			

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

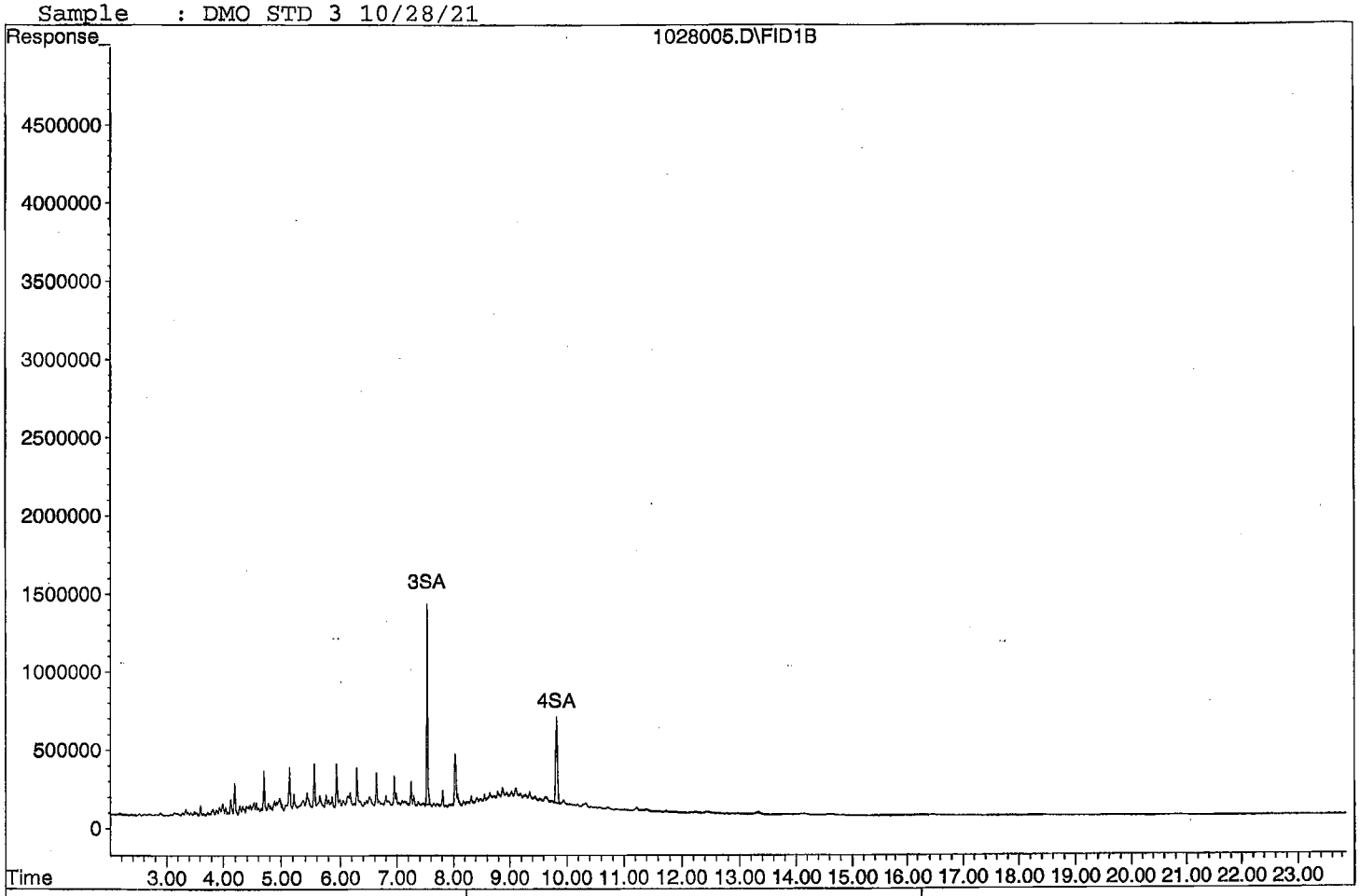
Method : G:\APOLLO\DATA\211028\DOC1028.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Oct 28 15:39:11 2021
Response via : Multiple Level Calibration

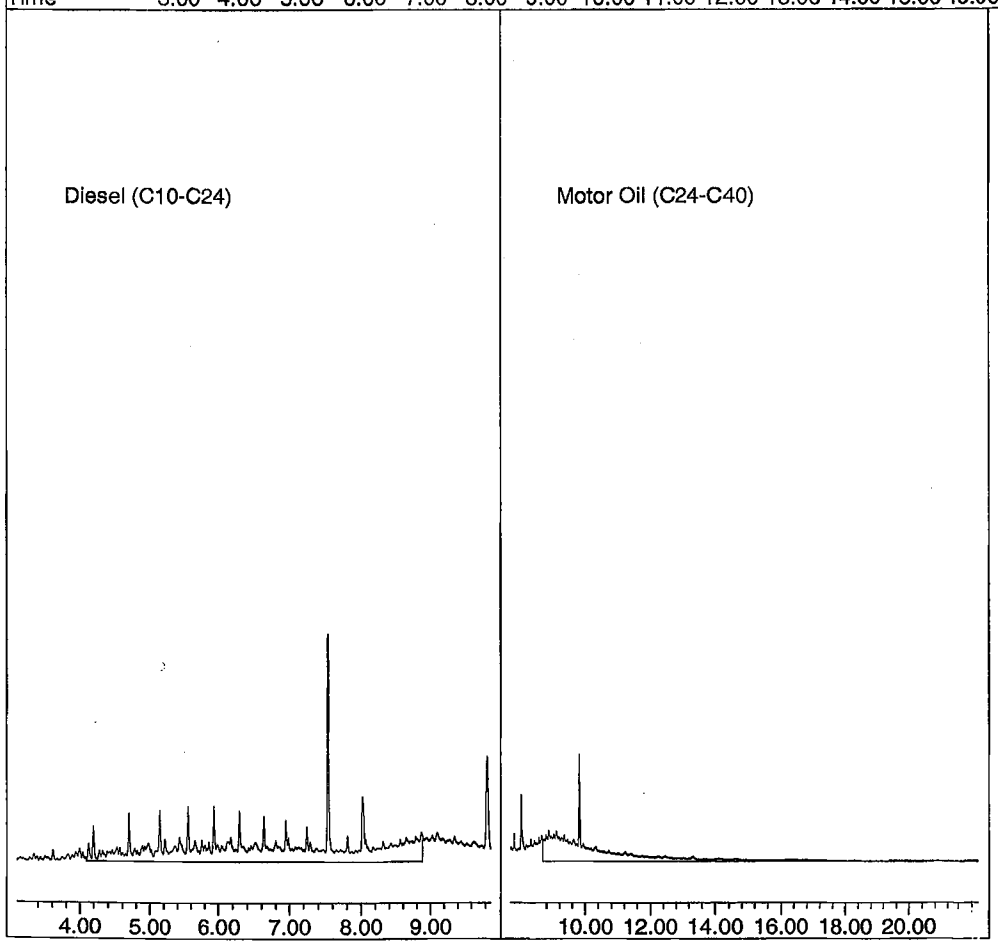
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

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

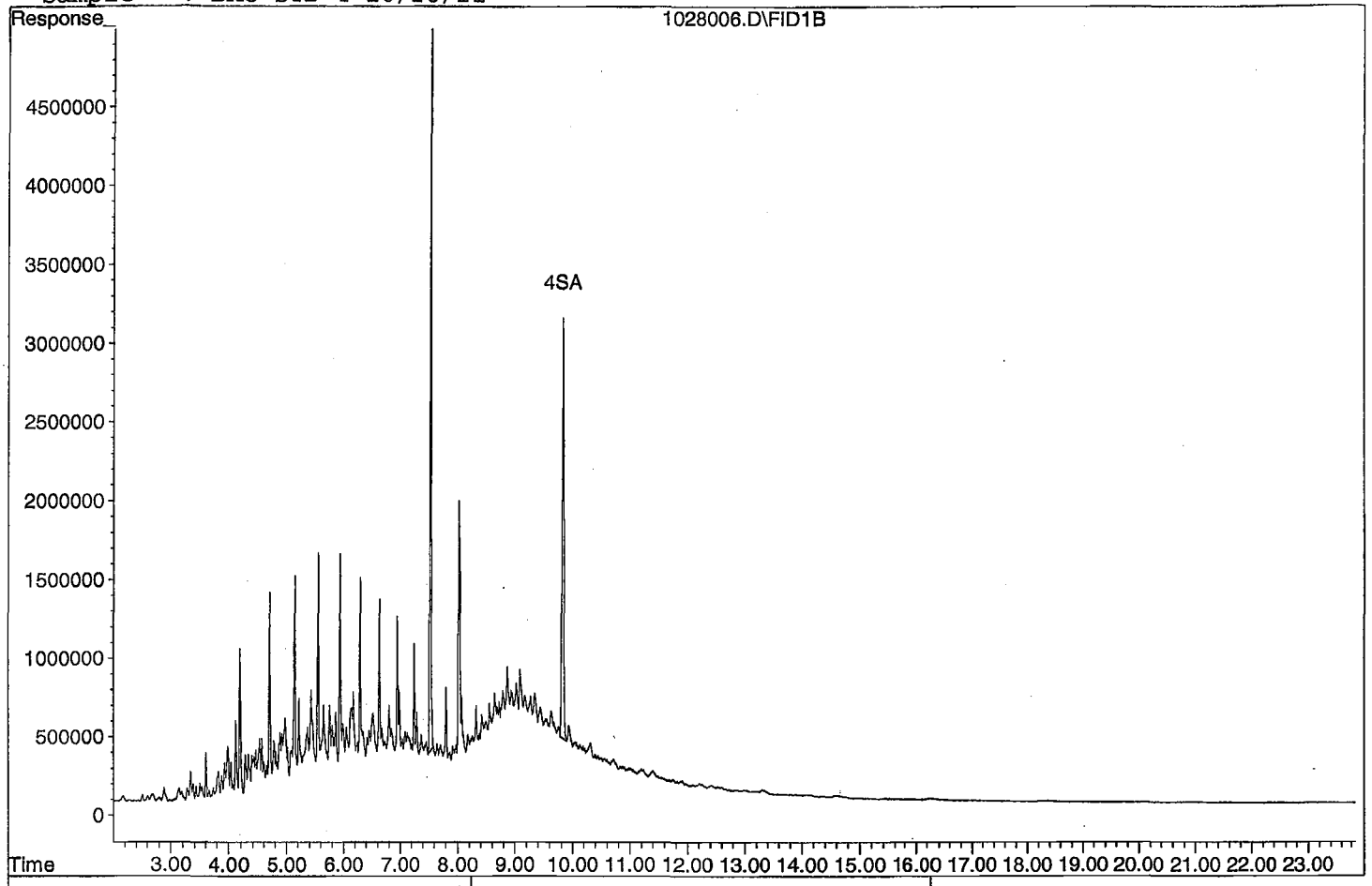
Method : G:\APOLLO\DATA\211028\DOC1028.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Oct 28 15:39:11 2021
Response via : Multiple Level Calibration

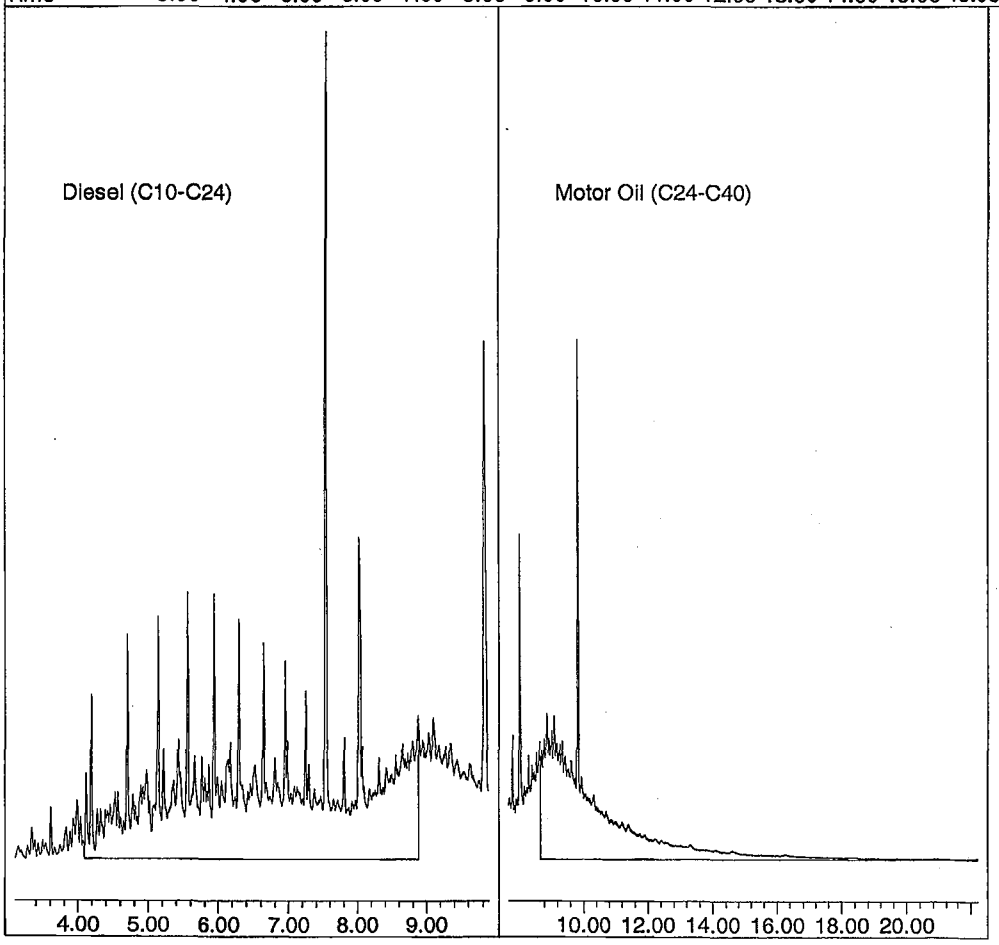
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

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

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

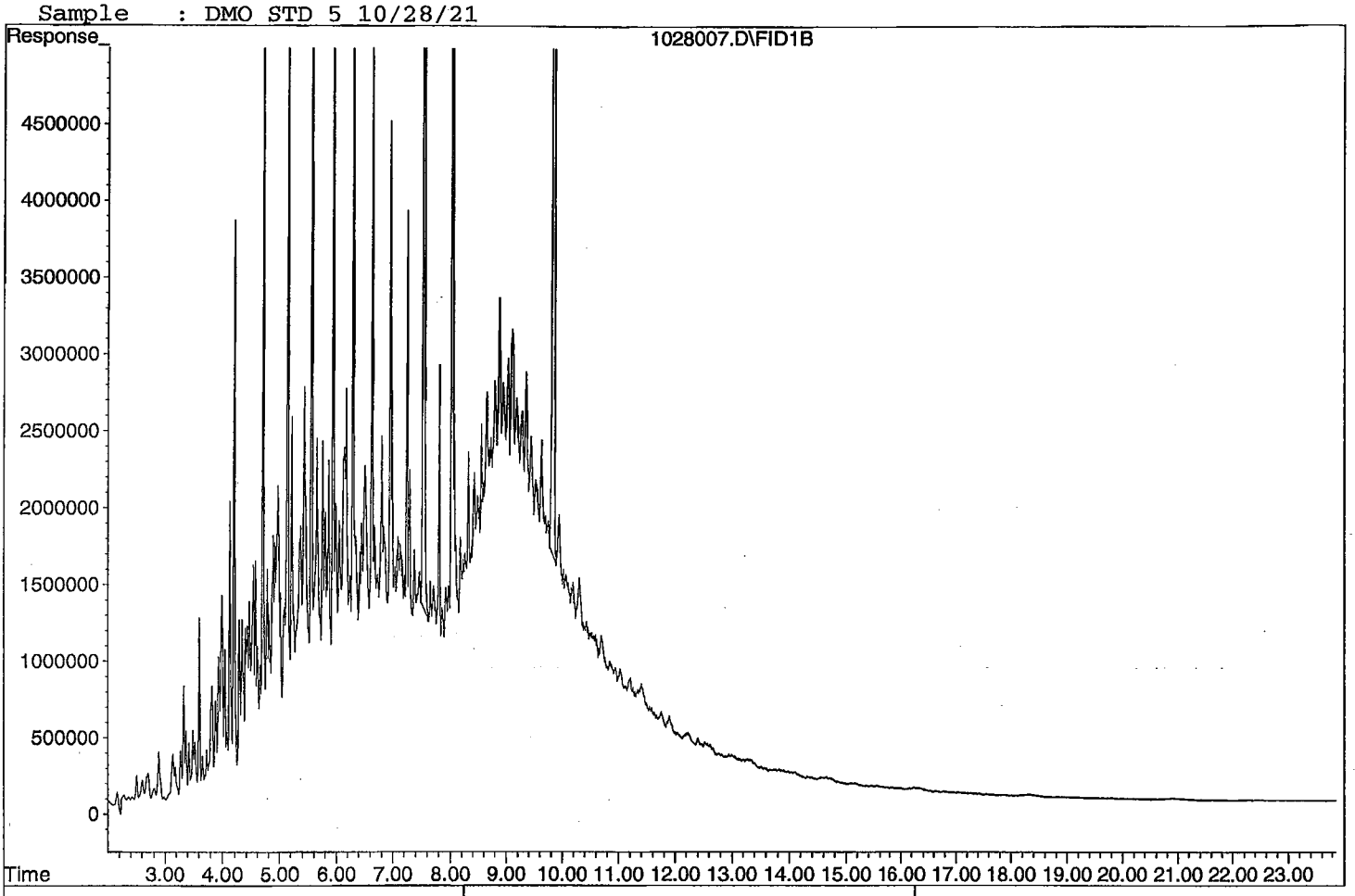
Method : G:\APOLLO\DATA\211028\DOC1028.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Oct 28 15:39:11 2021
Response via : Multiple Level Calibration

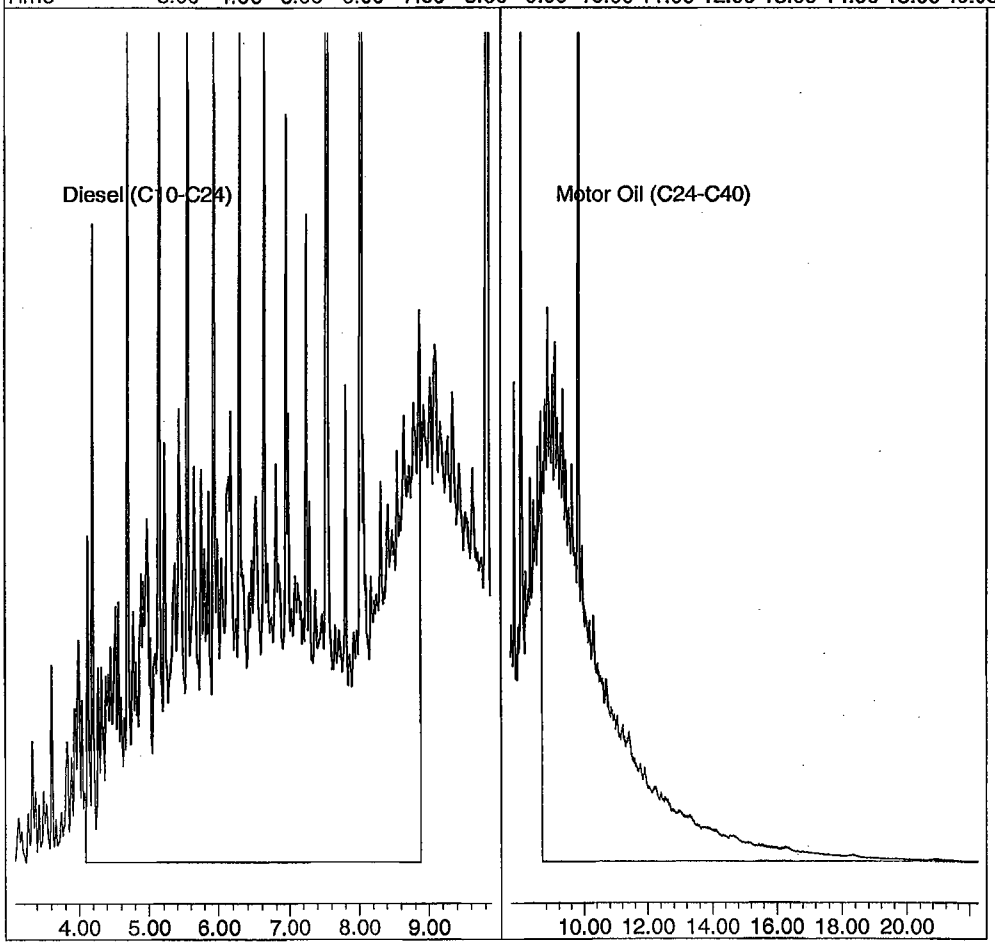
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

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				

Quantitation Report

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

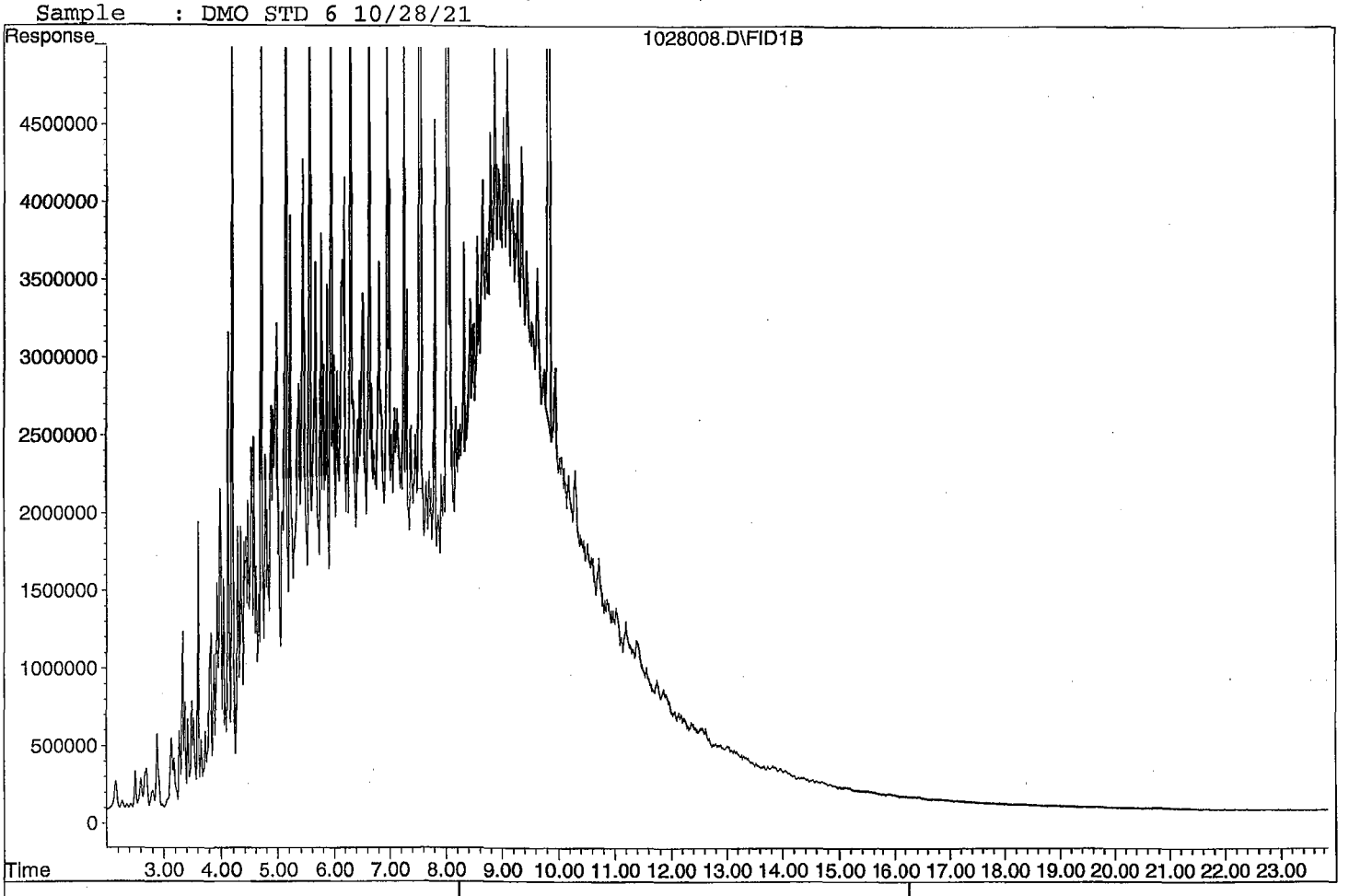
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

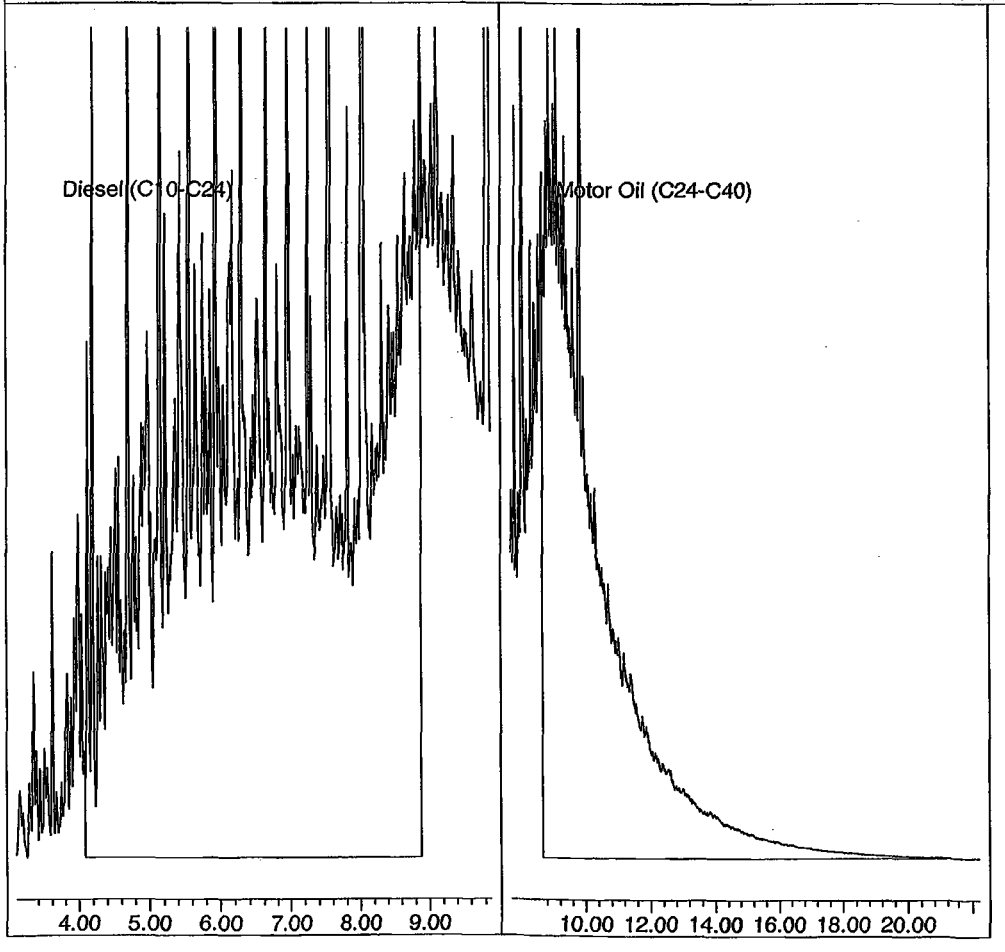
Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
3) SA Ortho-Terphenyl(S)	7.54	435798382	69.672	ppb
Surrogate Spike 30.000	Recovery =		232.24%	
4) SA Octacosane(S)	9.84	325688048	72.009	ppb
Surrogate Spike 30.000	Recovery =		240.03%	
Target Compounds				
1) HATM Diesel (C10-C24)	6.49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

Target Compounds

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

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

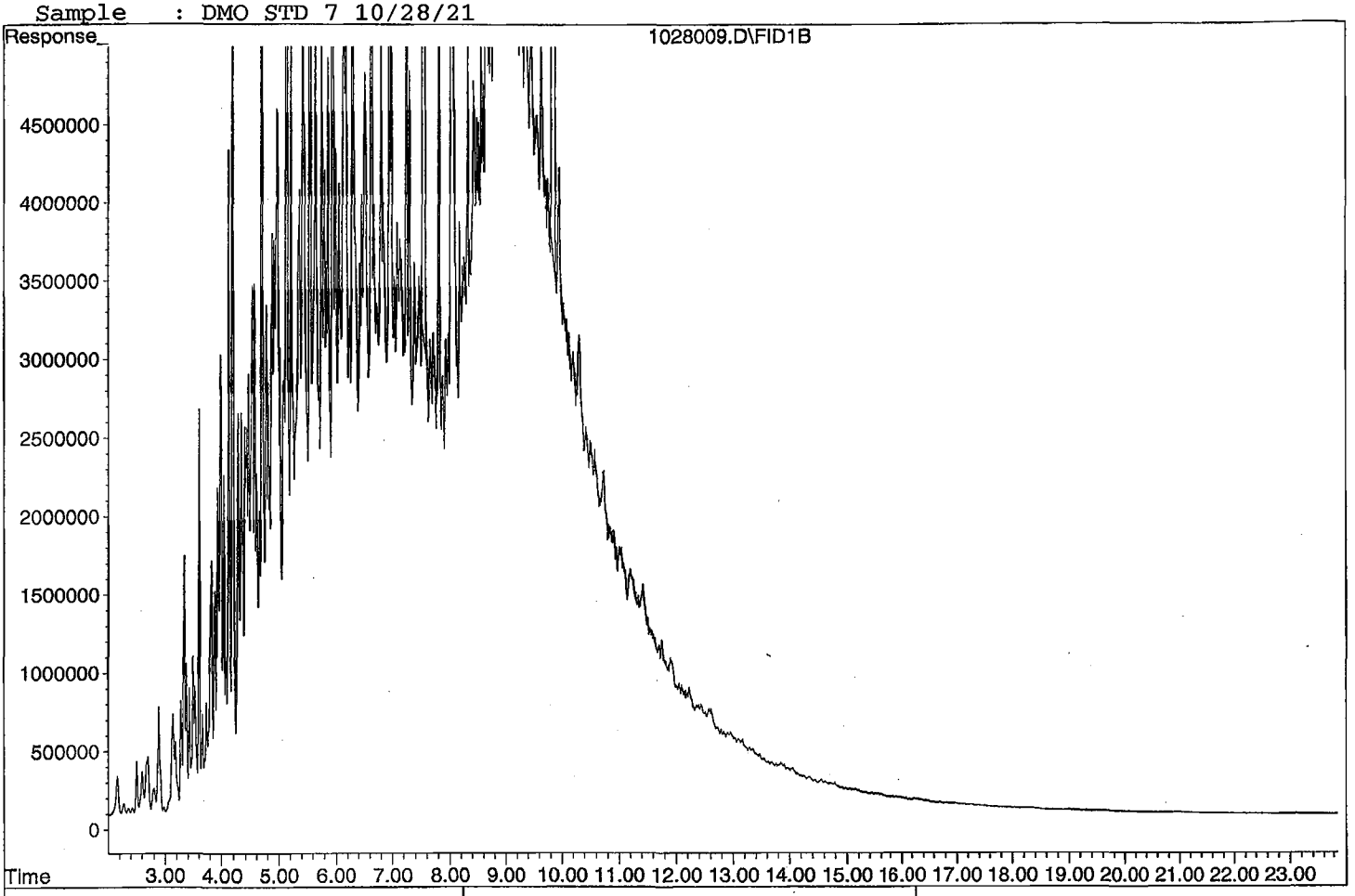
Method : G:\APOLLO\DATA\211028\DOC1028.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Oct 28 15:39:11 2021
Response via : Multiple Level Calibration

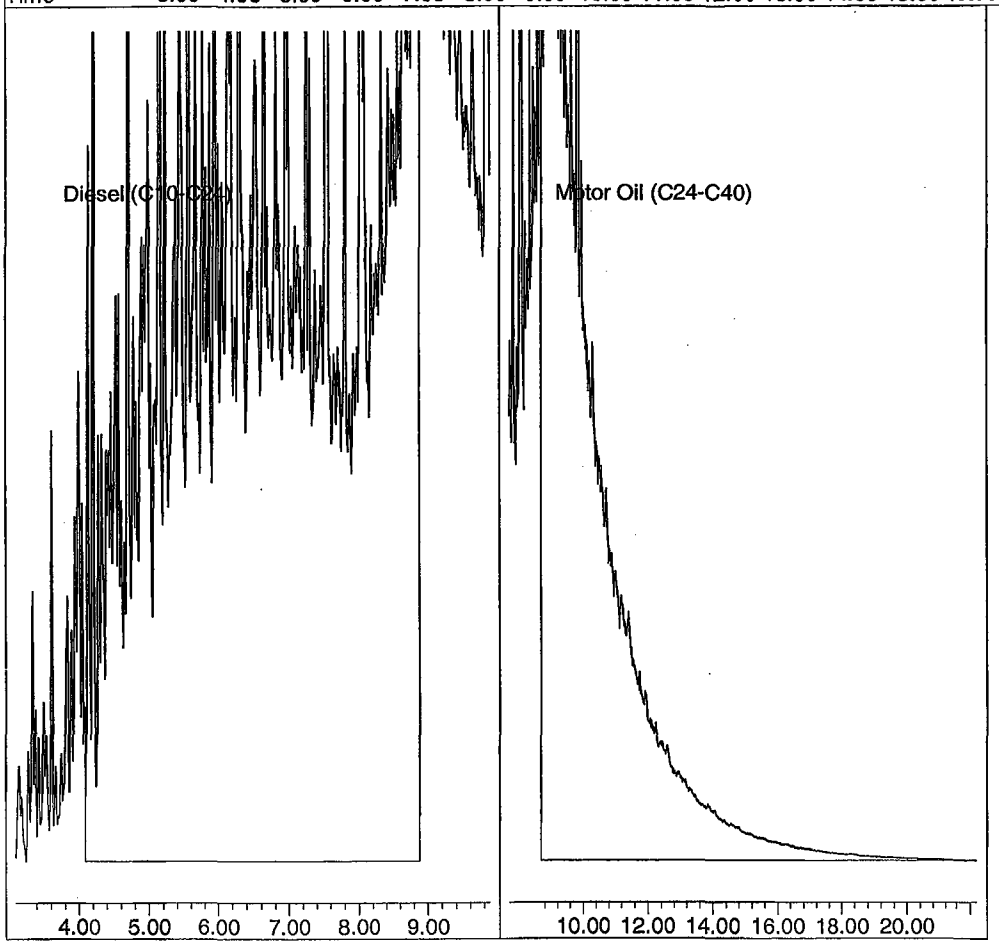
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

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
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							
31							
32							
33							
34							
35							
36							
37							
38							
39							
40							
		Average			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

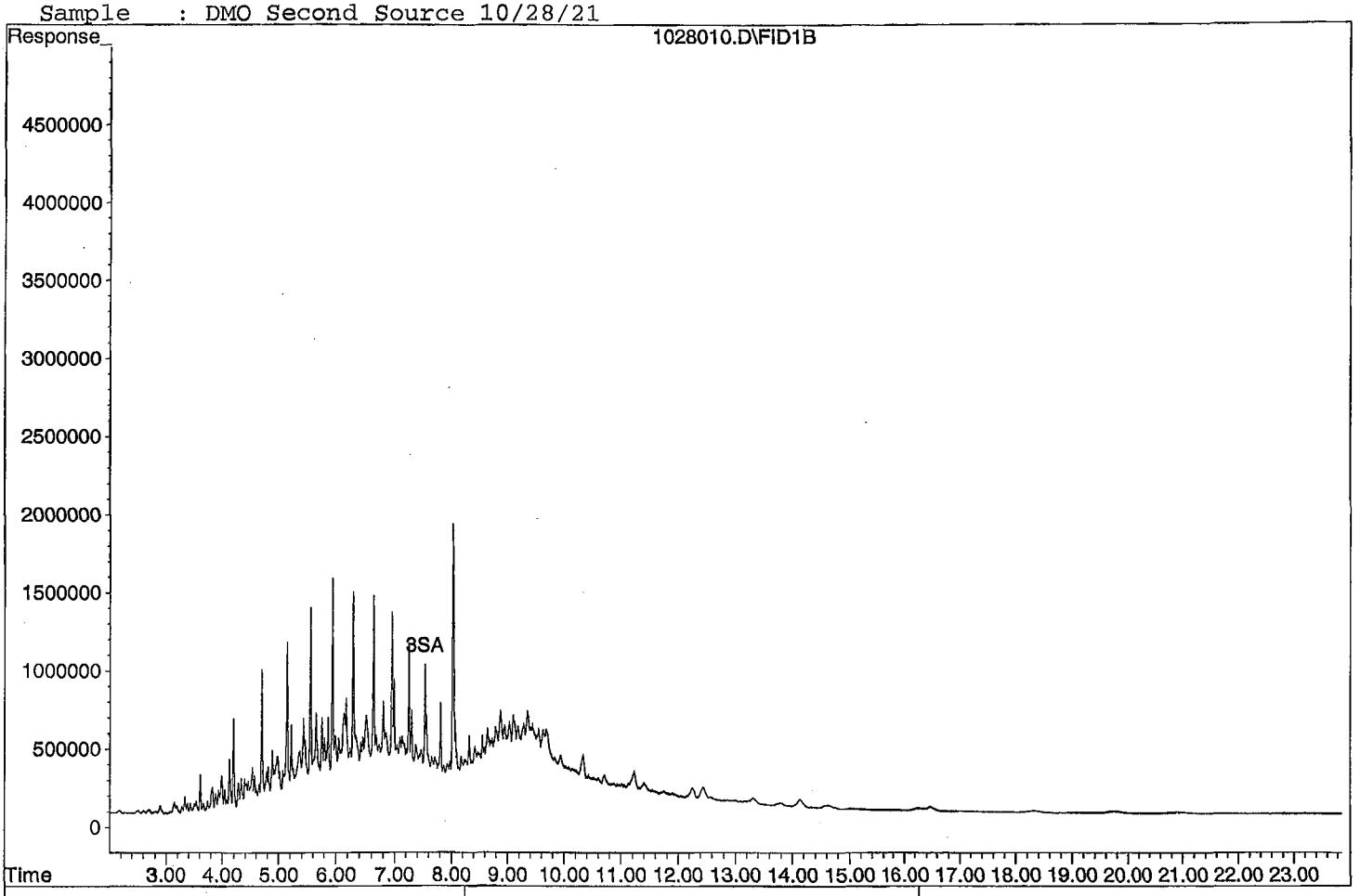
Method : G:\APOLLO\DATA\211028\DOC1028.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Oct 28 15:39:11 2021
Response via : Multiple Level Calibration

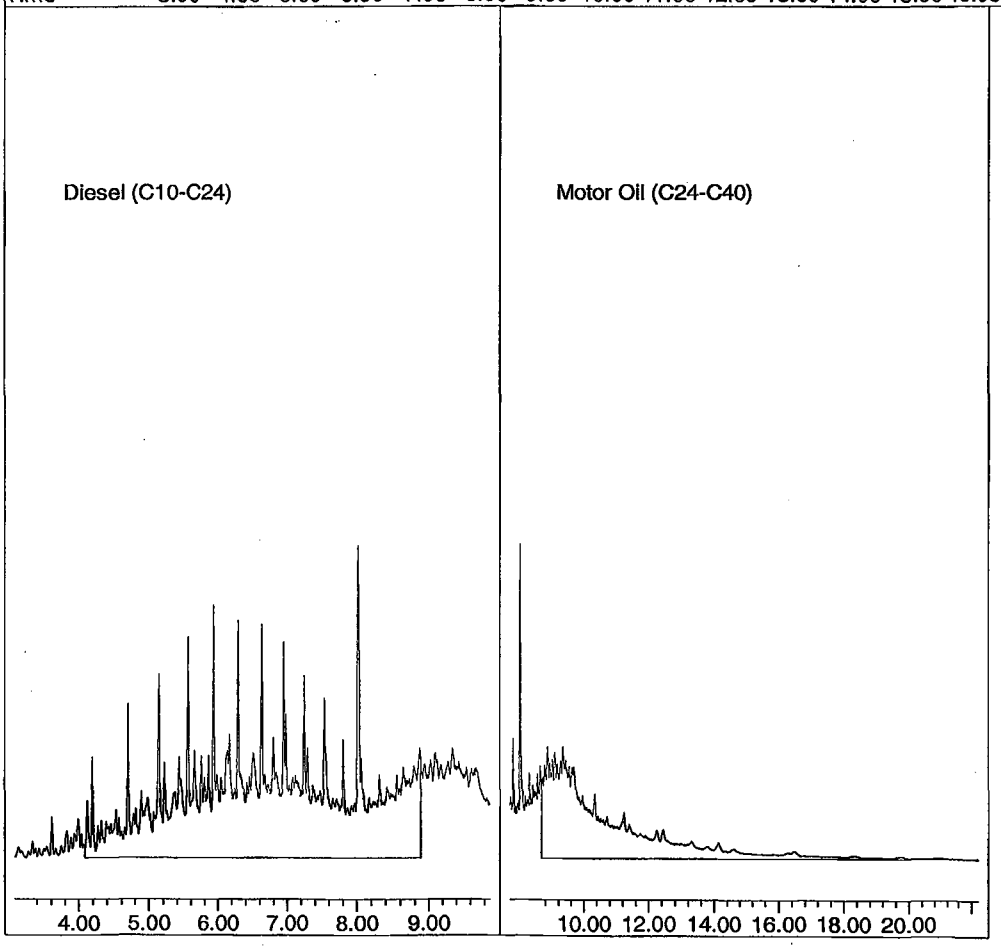
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

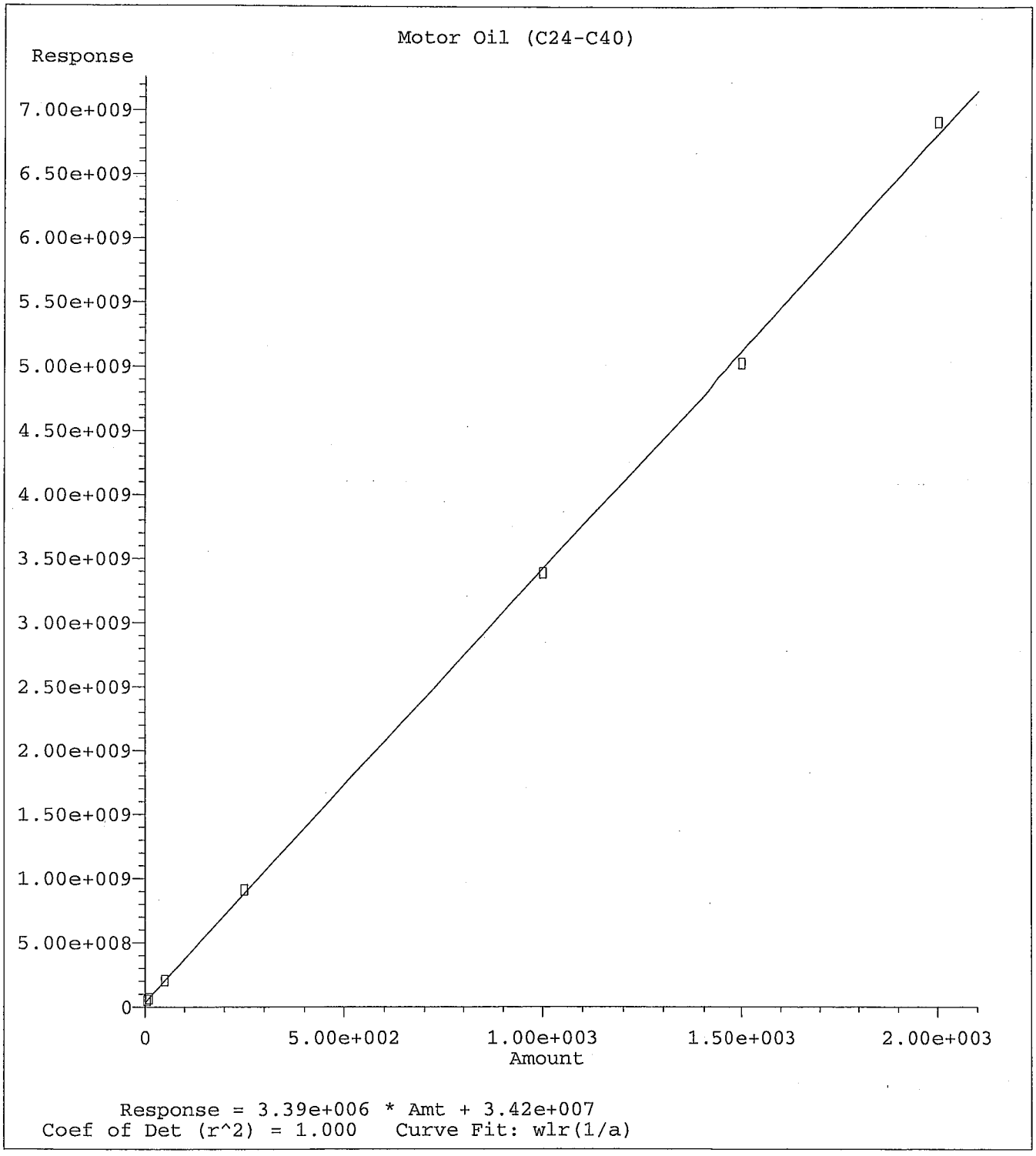
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terpheny1(S)	7.53	4250105	0.679 ppb
Surrogate Spike 30.000		Recovery =	2.26%
4) SA Octacosane(S)	9.83	-3553	N.D. ppb
Surrogate Spike 30.000		Recovery =	0.00%
Target Compounds			
1) HATM Diesel (C10-C24)	6.49	1133202337	225.139 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
DOC1028

Form 7

Continuing Calibration

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

SDG No:
Date Analyzed: 11/18/2021
Instrument: Apollo
Initial Cal. Date: 10/28/2021
Data File: 1117080.D

		Compound	MEAN	CCRF	%D	%Drift	
1	HATM	Diesel (C10-C24)	2516670	2796810	11	HATM	
2	HBTM	Motor Oil (C24-C40)	2492040	1930360	23	HBTML	9.8
3	SA	Ortho-Terphenyl(S)	3127510	2947660	5.8	SA	
4	SA	Octacosane(S)	2261430	2437230	7.8	SA	
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							
31							
32							
33							
34							
35							
36							
37							
38							
39							
40							
		Average			11.9		

Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\211117\1117080.D Vial: 80
Acq On : 11-18-21 22:49:17 Operator: KA
Sample : DMO LVL 4 CCV 10/27/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Nov 19 10:08 2021 Quant Results File: DOC1028.RES

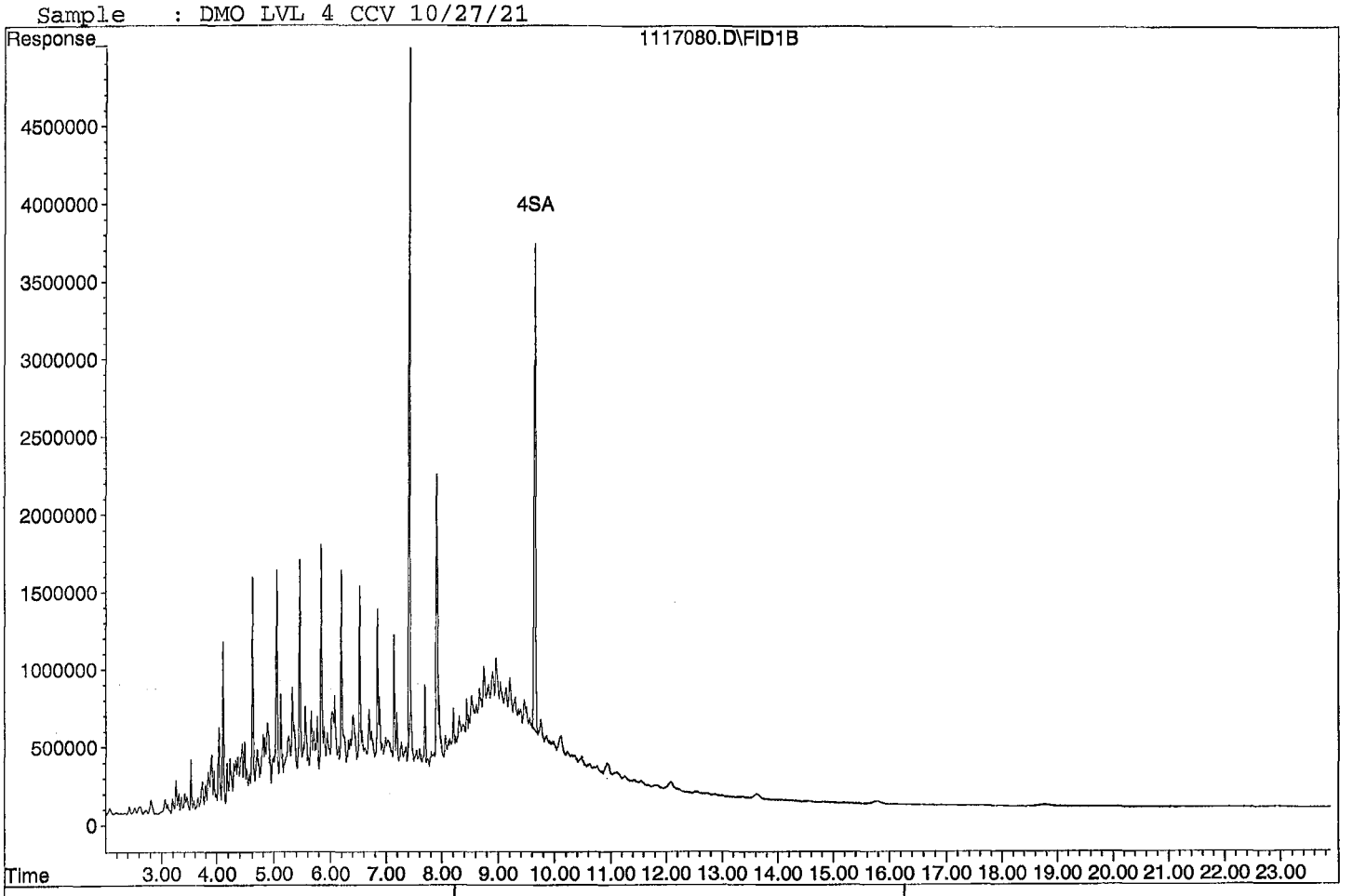
Method : G:\APOLLO\DATA\211028\DOC1028.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Nov 18 13:26:01 2021
Response via : Multiple Level Calibration

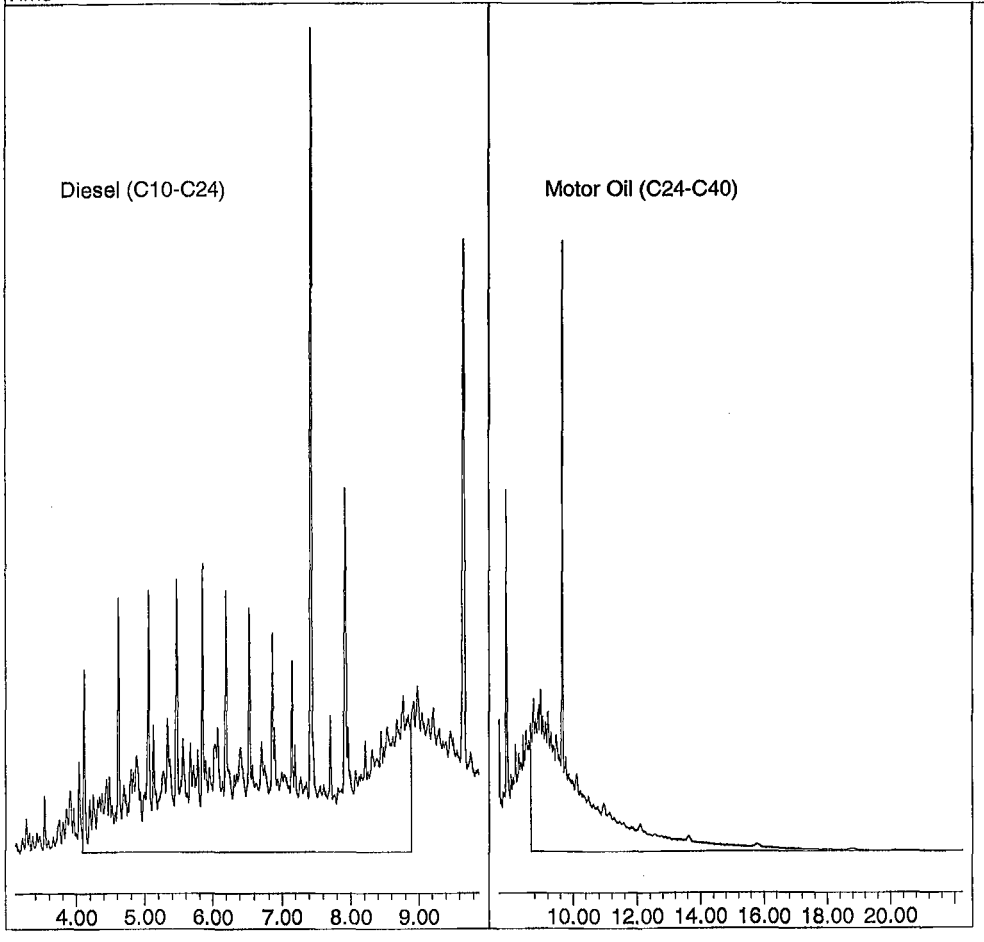
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.42	73691447	11.781 ppb
Surrogate Spike 30.000		Recovery =	39.27%
4) SA Octacosane(S)	9.66	60930654	13.472 ppb
Surrogate Spike 30.000		Recovery =	44.91%
Target Compounds			
1) HATM Diesel (C10-C24)	6.49	1398406157	277.829 ppb
2) HBTM Motor Oil (C24-C40)	14.96	965178863	274.483 ppb
Target Compounds			

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

Data File: G:\APOLLO\DATA\211117\1117080.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: 11/19/2021
Instrument: Apollo
Initial Cal. Date: 10/28/2021
Data File: 1117092.D

		Compound	MEAN	CCRF	%D	%Drift	
1	HATM	Diesel (C10-C24)	2516670	2750900	9.3	HATM	
2	HBTM	Motor Oil (C24-C40)	2492040	1875410	25	HBTML	6.6
3	SA	Ortho-Terphenyl(S)	3127510	2920050	6.6	SA	
4	SA	Octacosane(S)	2261430	2407500	6.5	SA	
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							
31							
32							
33							
34							
35							
36							
37							
38							
39							
40							
		Average			11.9		

Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\211117\1117092.D Vial: 92
Acq On : 11-19-21 4:26:09 Operator: KA
Sample : DMO LVL 4 CCV 10/27/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Nov 19 10:09 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

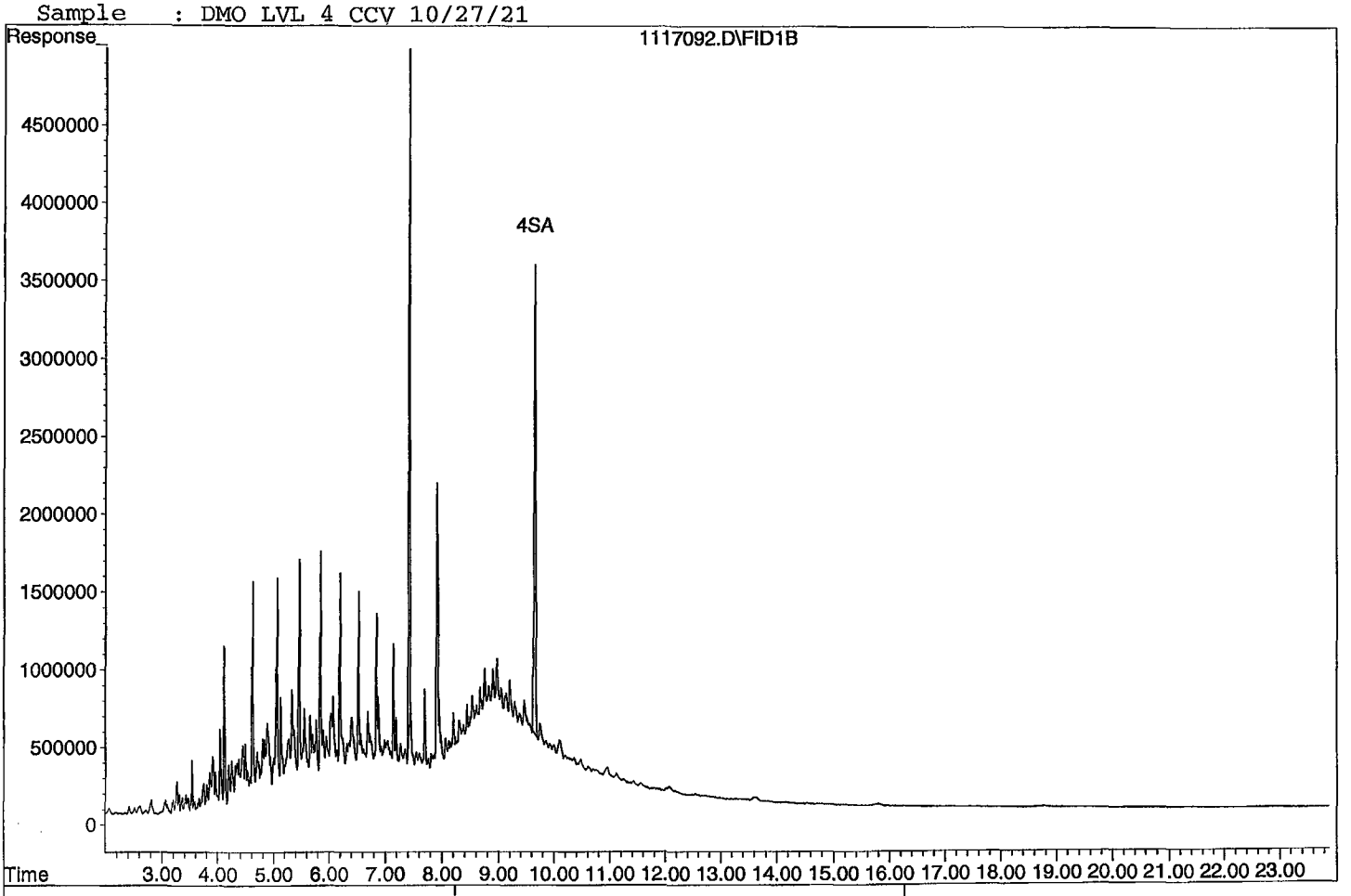
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

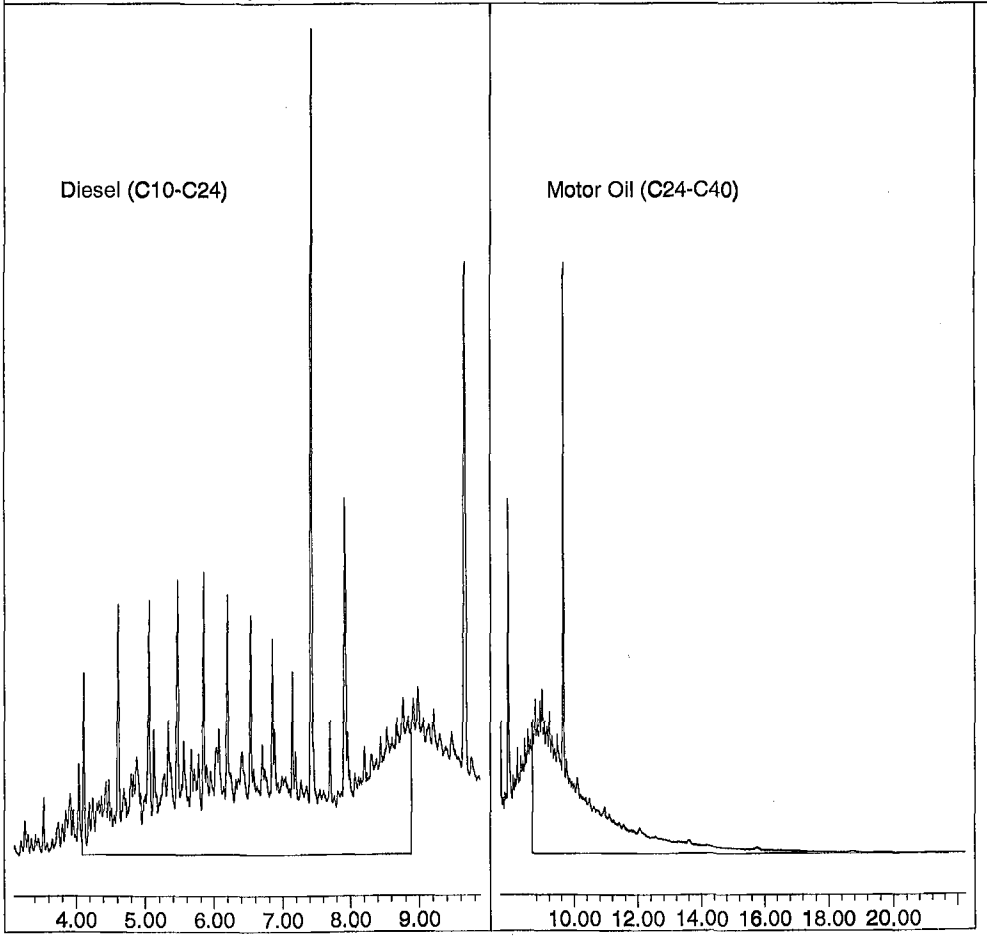
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.42	73001201	11.671 ppb
Surrogate Spike 30.000	Recovery =		38.90%
4) SA Octacosane(S)	9.65	60187569	13.307 ppb
Surrogate Spike 30.000	Recovery =		44.36%
Target Compounds			
1) HATM Diesel (C10-C24)	6.49	1375448848	273.268 ppb
2) HBTM Motor Oil (C24-C40)	14.96	937704588	266.383 ppb

Target Compounds

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

Data File: G:\APOLLO\DATA\211117\1117092.D
Sample : DMO LVL 4 CCV 10/27/21





ORGANICS
Raw Data

Quantitation Report (QT Reviewed)

Data File : G:\APOLLO\DATA\211117\1117084.D Vial: 84
Acq On : 11-19-21 0:41:35 Operator: KA
Sample : BA46001W09 5/1020 Inst : Apollo
Misc : water Multiplr: 4.90
IntFile : events.e
Quant Time: Nov 19 18:12 2021 Quant Results File: DOC1028.RES

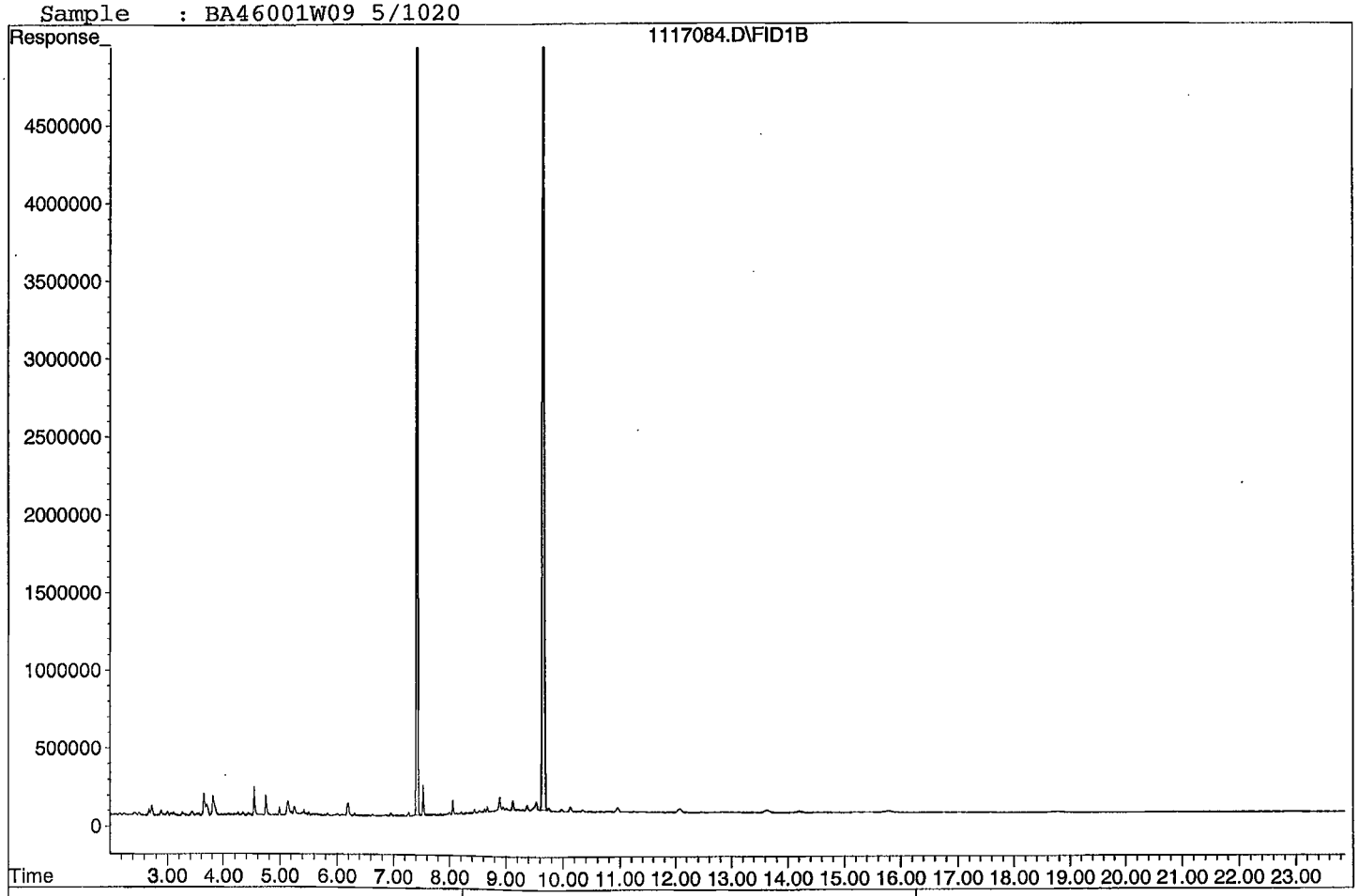
Method : G:\APOLLO\DATA\211028\DOC1028.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Nov 18 13:26:01 2021
Response via : Multiple Level Calibration

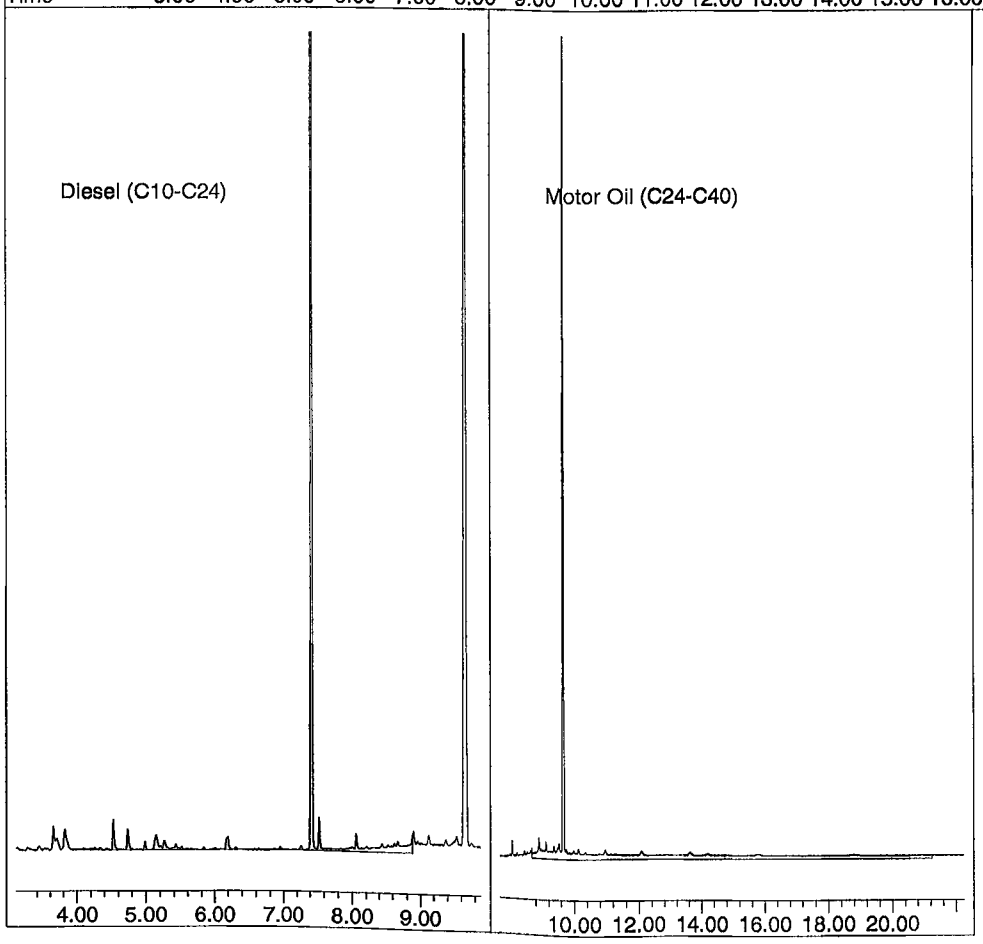
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.42	142890261	111.981 ppb
Surrogate Spike 147.059		Recovery =	76.15%
4) SA Octacosane(S)	9.66	128034313	138.766 ppb
Surrogate Spike 147.059		Recovery =	94.36%
Target Compounds			
1) HATM Diesel (C10-C24)	6.49	47557889	46.317 ppb
2) HBTM Motor Oil (C24-C40)	14.96	207535363	250.548 ppb
Target Compounds			

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

Data File: G:\APOLLO\DATA\211117\1117084.D
Sample : BA46001W09 5/1020





Quantitation Report (QT Reviewed)

Data File : G:\APOLLO\DATA\211117\1117081.D Vial: 81
Acq On : 11-18-21 23:17:21 Operator: KA
Sample : 211116A BLK 5/1000 Inst : Apollo
Misc : water Multiplr: 5.00
IntFile : events.e
Quant Time: Nov 19 18:11 2021 Quant Results File: DOC1028.RES

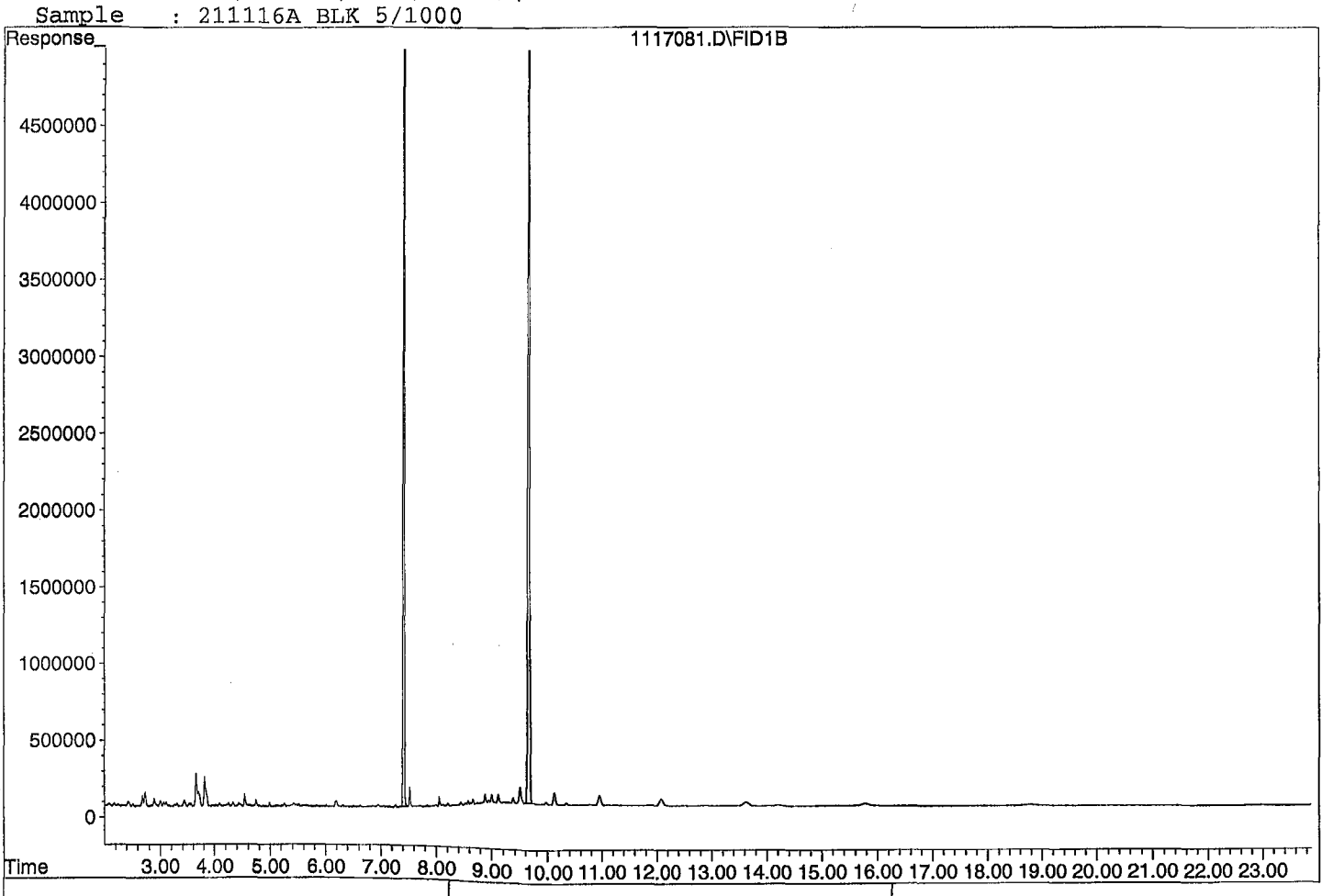
Method : G:\APOLLO\DATA\211028\DOC1028.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Nov 18 13:26:01 2021
Response via : Multiple Level Calibration

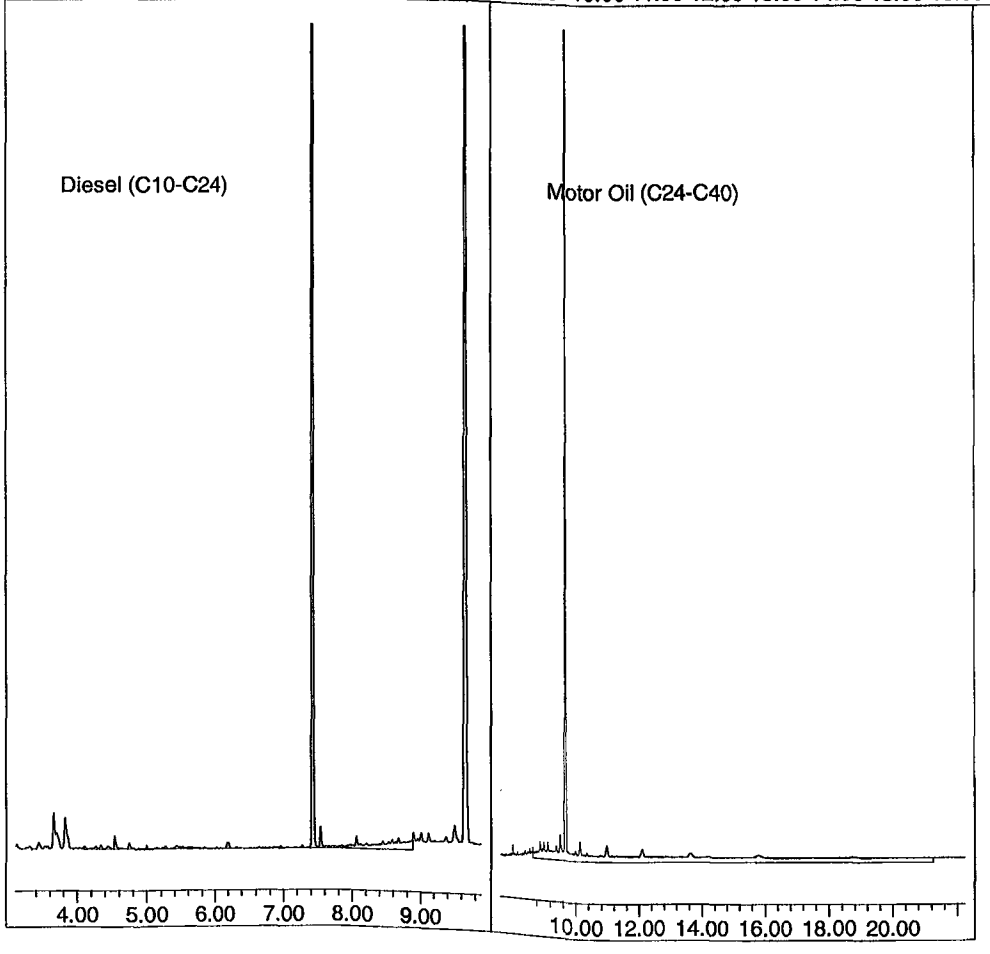
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.42	137256500	109.717 ppb
Surrogate Spike 150.000		Recovery =	73.14%
4) SA Octacosane(S)	9.66	123210935	136.209 ppb
Surrogate Spike 150.000		Recovery =	90.81%
Target Compounds			
1) HATM Diesel (C10-C24)	6.49	36368663	36.128 ppb
2) HBTM Motor Oil (C24-C40)	14.96	261607938	335.269 ppb
Target Compounds			

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

Data File: G:\APOLLO\DATA\211117\1117081.D
Sample : 211116A BLK 5/1000





Quantitation Report (QT Reviewed)

Data File : G:\APOLLO\DATA\211117\1117082.D Vial: 82
Acq On : 11-18-21 23:45:25 Operator: KA
Sample : 211116A LCS-1 5/1000 Inst : Apollo
Misc : water Multiplr: 5.00
IntFile : events.e
Quant Time: Nov 19 18:11 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

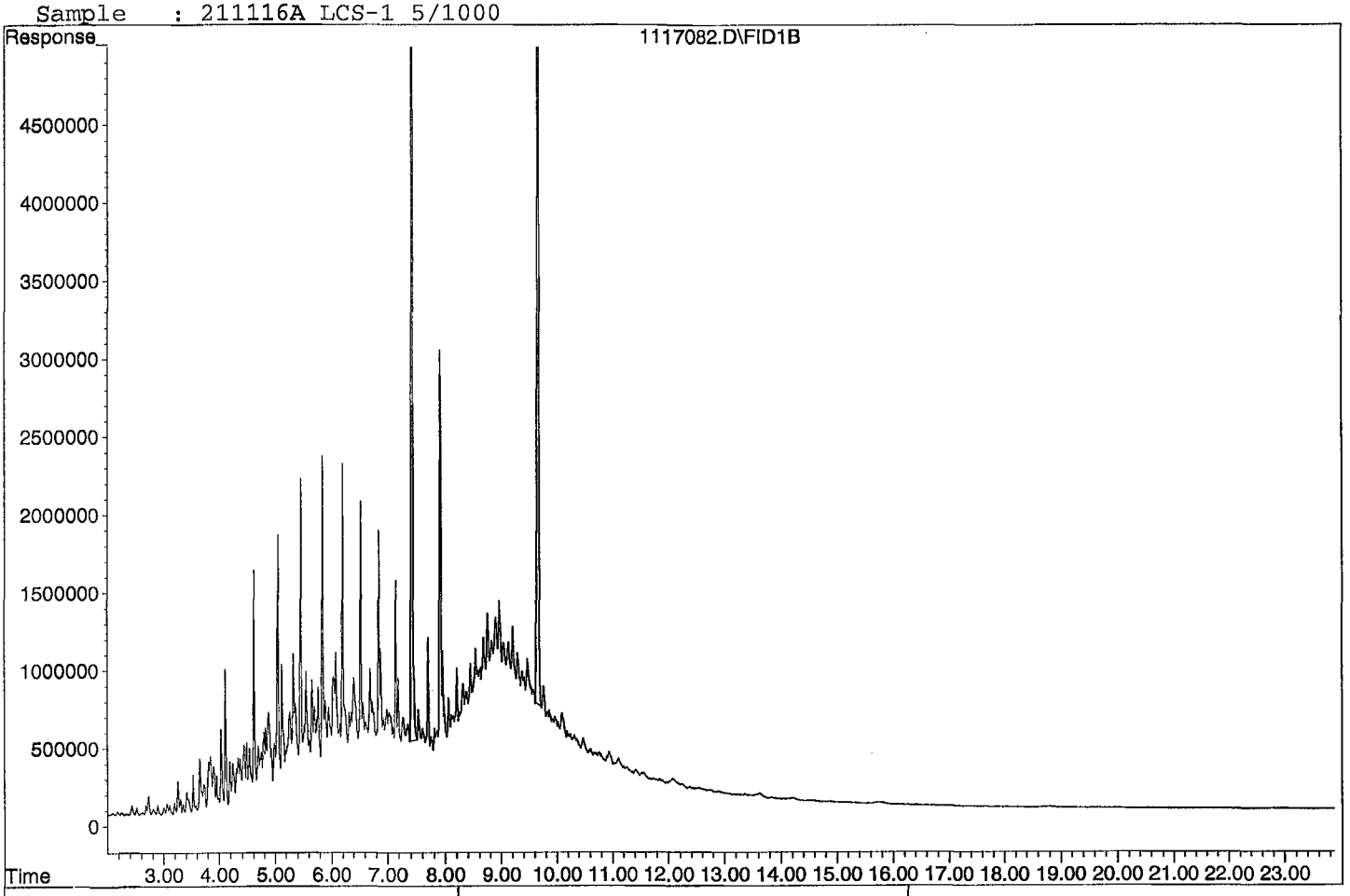
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

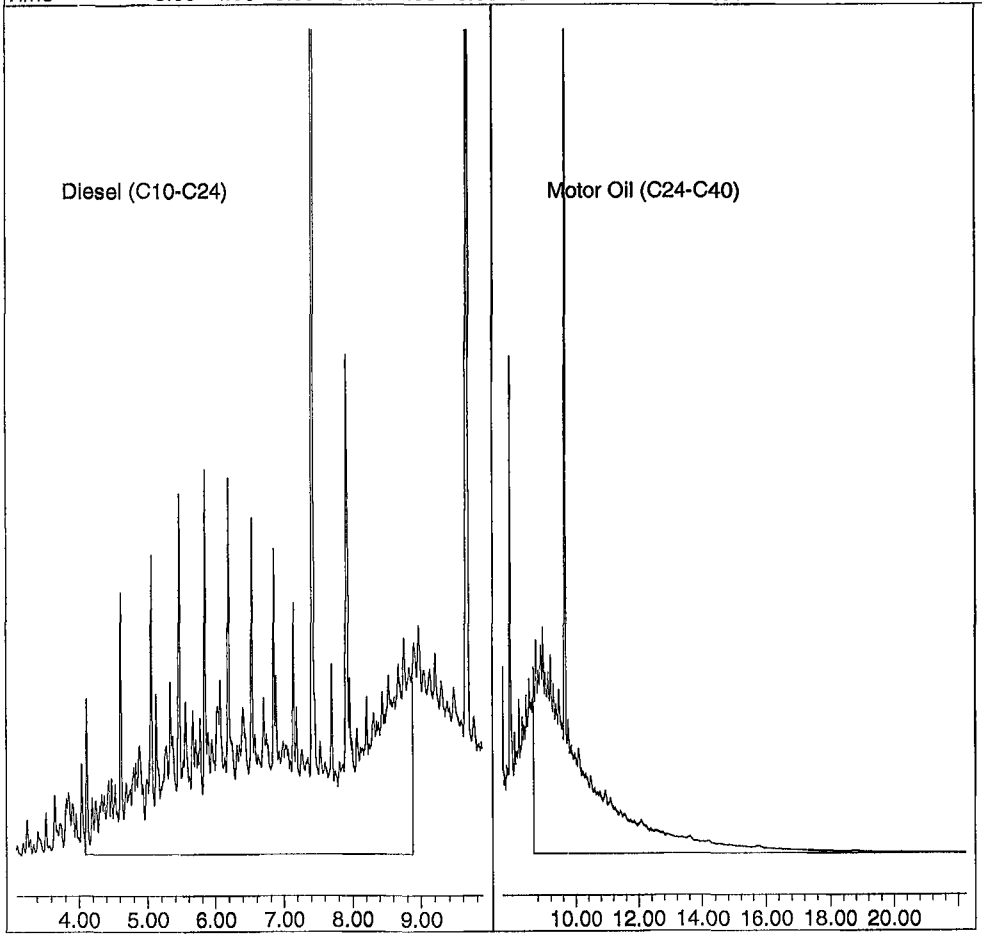
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.42	161516467	129.110 ppb
Surrogate Spike 150.000		Recovery =	86.07%
4) SA Octacosane(S)	9.66	128589047	142.155 ppb
Surrogate Spike 150.000		Recovery =	94.77%
Target Compounds			
1) HATM Diesel (C10-C24)	6.49	1849571519	1837.321 ppb
2) HBTM Motor Oil (C24-C40)	14.96	1314792569	1887.790 ppb
Target Compounds			

Diesel:

$$\frac{(1849571519)(5)}{(2516669)(2)} = \frac{9247857595}{5033338} = \boxed{1837.321}$$

Data File: G:\APOLLO\DATA\211117\1117082.D
Sample : 211116A LCS-1 5/1000





Quantitation Report (QT Reviewed)

Data File : G:\APOLLO\DATA\211117\1117083.D Vial: 83
Acq On : 11-19-21 0:13:29 Operator: KA
Sample : 211116A LCSD-1 5/1000 Inst : Apollo
Misc : water Multiplr: 5.00
IntFile : events.e
Quant Time: Nov 19 18:12 2021 Quant Results File: DOC1028.RES

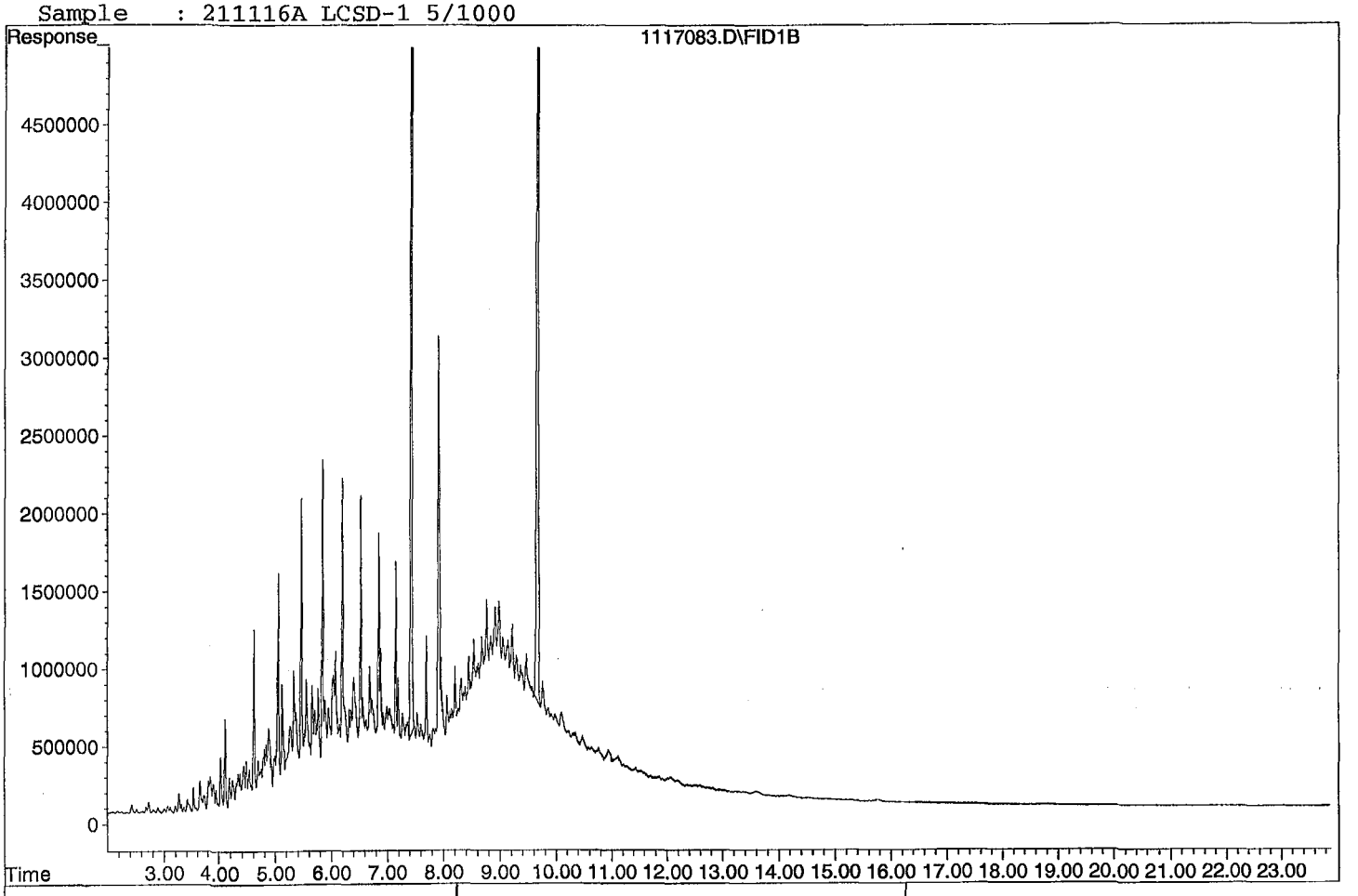
Method : G:\APOLLO\DATA\211028\DOC1028.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Nov 18 13:26:01 2021
Response via : Multiple Level Calibration

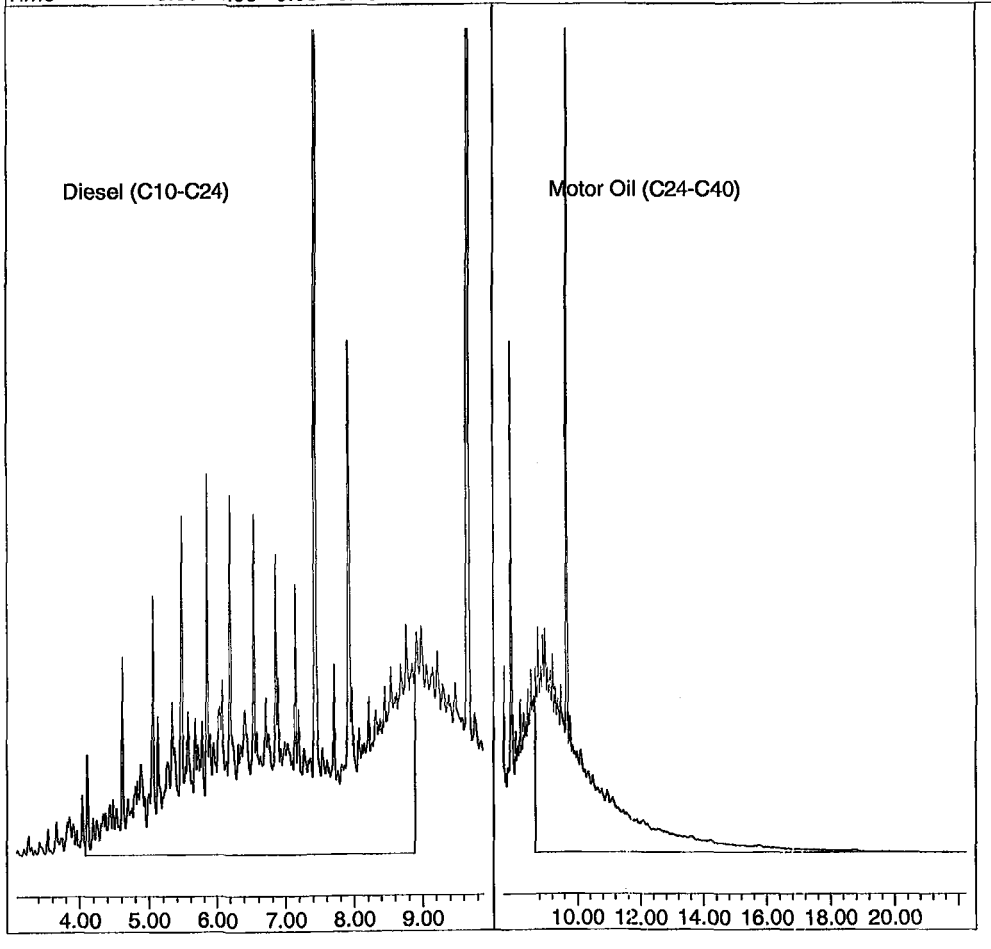
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.42	159977422	127.879 ppb
Surrogate Spike 150.000		Recovery =	85.25%
4) SA Octacosane(S)	9.66	128713604	142.292 ppb
Surrogate Spike 150.000		Recovery =	94.86%
Target Compounds			
1) HATM Diesel (C10-C24)	6.49	1781600131	1769.800 ppb
2) HBTM Motor Oil (C24-C40)	14.96	1319942855	1895.382 ppb
Target Compounds			

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

Data File: G:\APOLLO\DATA\211117\1117083.D
Sample : 211116A LCSD-1 5/1000





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 A0164486-52822, 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

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: 11/10/2021 **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	**CL16893-52839**	**See man. Date**	**5/31/2026**	N/A	N/A	N/A	600

Organic Extraction Worksheet

Method	Continuous Liq/Liq TPH- 3520C w/SGC	Extraction Set	211116A	Extraction Method	LIQ005SGC	Units	mL

Spiked ID 1	Diesel Motor Oil Mix 10-30-21 10-31-27		Surrogate ID 1	THC Surrogate 11-10-21 11-10-22	
Spiked ID 2	Decanoic 1000ug/mL Acid Solution 11-5-21 11-5-22		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:	11/16/21 13:42	
Spiked ID 8			Ext. End Time:	11/17/21 7:48	
			GC Requires Extract By:		

pH1	2	11/16/21 12:10	Water Bath Temp 1 °C	35/34.1 °C
pH2			Water Bath Temp 2 °C	35/36.1
pH3			Water Bath Temp 3 °C	35/35.5 °C

Spiked By: SR **Date** 11/16/2021 **Witnessed By:** CG **Date** 11/16/2021

	Sample	Sample Container	Spike Amount	Spike ID	Surrogate Amount	Surrogate ID	Extract Amount	Final Volume	pH	Extract Date/Time	Comments
1	211116A Blk		0.050	2	0.250	1	1000	5	2	11/16/21 12:12	*
						equip	E-HP3 E-WB1				
2	211116A LCS-1		0.080,0.050	1,2	0.250	1	1000	5	2	11/16/21 12:12	*
						equip	E-HP4 E-WB2				
3	211116A LCSD-1		0.080,0.050	1,2	0.250	1	1000	5	2	11/16/21 12:12	*
						equip	E-HP6 E-WB3				
4	BA46001	BA46001W09	0.050	2	0.250	1	1020	5	2	11/16/21 12:12	98213 *
						equip	E-HP7 E-WB1				
5	BA46103	BA46103W09	0.050	2	0.250	1	1020	5	2	11/16/21 12:12	98214 *
						equip	E-HP8 E-WB2				
6	BA46105	BA46105W09	0.050	2	0.250	1	1040	5	2	11/16/21 12:12	98214 *
						equip	E-HP9 E-WB3				
7	BA46107	BA46107W09	0.050	2	0.250	1	1050	5	2	11/16/21 12:12	98214 *
						equip	E-HP10 E-WB1				
8	BA46109	BA46109W09	0.050	2	0.250	1	1010	5	2	11/16/21 12:12	98214 *
						equip	E-HP11 E-WB2				
9	BA46115	BA46115W09	0.050	2	0.250	1	1040	5	2	11/16/21 12:12	98212 *
						equip	E-HP12 E-WB3				
10	BA46116	BA46116W07	0.050	2	0.250	1	1020	5	2	11/16/21 12:12	98212 *
						equip	E-HP13 E-WB1				
11	BA46117	BA46117W03	0.050	2	0.250	1	1020	5	2	11/16/21 12:12	98212 *
						equip	E-HP14 E-WB2				

Solvent and Lot#	
1+1 HCL (5mLs)	60358
PH Strips	HC155968
Dichloromethane (DCM)	61117
Filter Paper	400202
Sodium Sulfate	2021071206
SILICA GEL (*)	050627T

Extraction COC Transfer	
Extraction lab employee Initials	KY
GC analyst's initials	KA
Date	11/18/21
Time	10:48
Refrigerator	HOBART

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

Modified	11/18/2021 7:17:39 AM

Reviewed By: KY **Date** 11/18/2021

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	80	1117080.D	1	DMO LVL 4 CCV 10/27/21	water	11-18-21 22:49:17
10	81	1117081.D	5	211116A BLK 5/1000	water	11-18-21 23:17:21
11	82	1117082.D	5	211116A LCS-1 5/1000	water	11-18-21 23:45:25
12	83	1117083.D	5	211116A LCSD-1 5/1000	water	11-19-21 0:13:29
13	84	1117084.D	4.90196	BA46001W09 5/1020	water	11-19-21 0:41:35
14	92	1117092.D	1	DMO LVL 4 CCV 10/27/21	water	11-19-21 4:26:09

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

			1028003.D	1028004.D	1028005.D	1028006.D	1028007.D	1028008.D	1028009.D								
		Compound	1	2	3	4	5	6	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		
5																	
6																	
7																	
8																	
9																	
10																	
11																	
12																	
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	
25																	
26																	
27																	
28																	
29																	
30																	
31																	
32																	
33																	
34																	
35																	

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

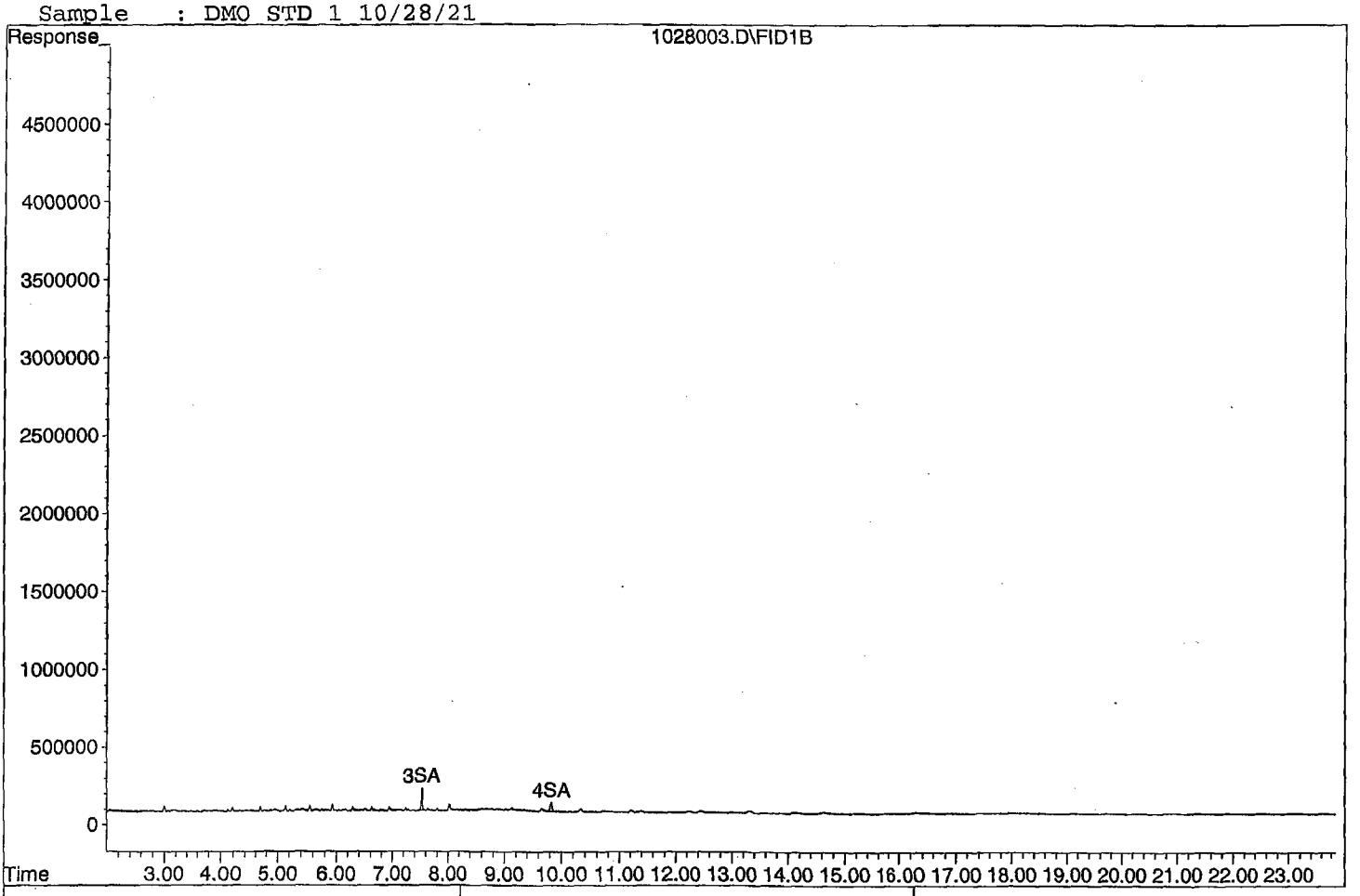
Method : G:\APOLLO\DATA\211028\DOC1028.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Oct 28 15:39:11 2021
Response via : Multiple Level Calibration

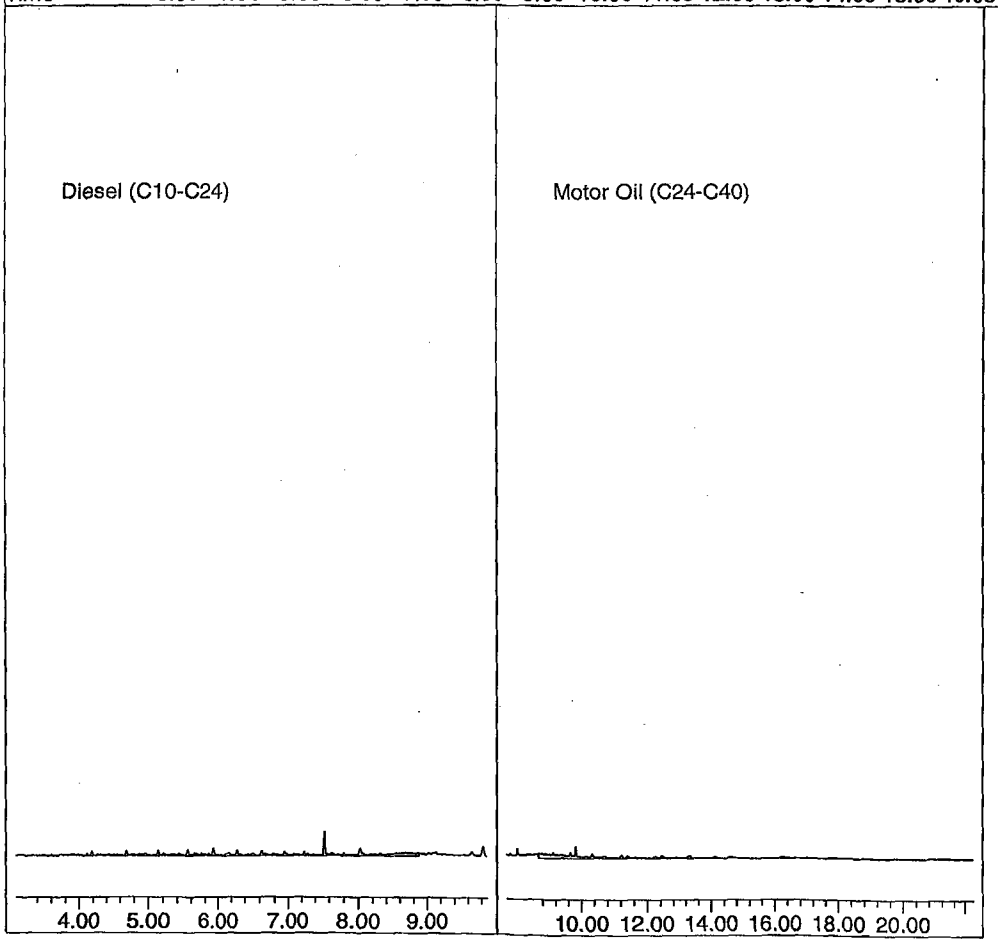
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

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

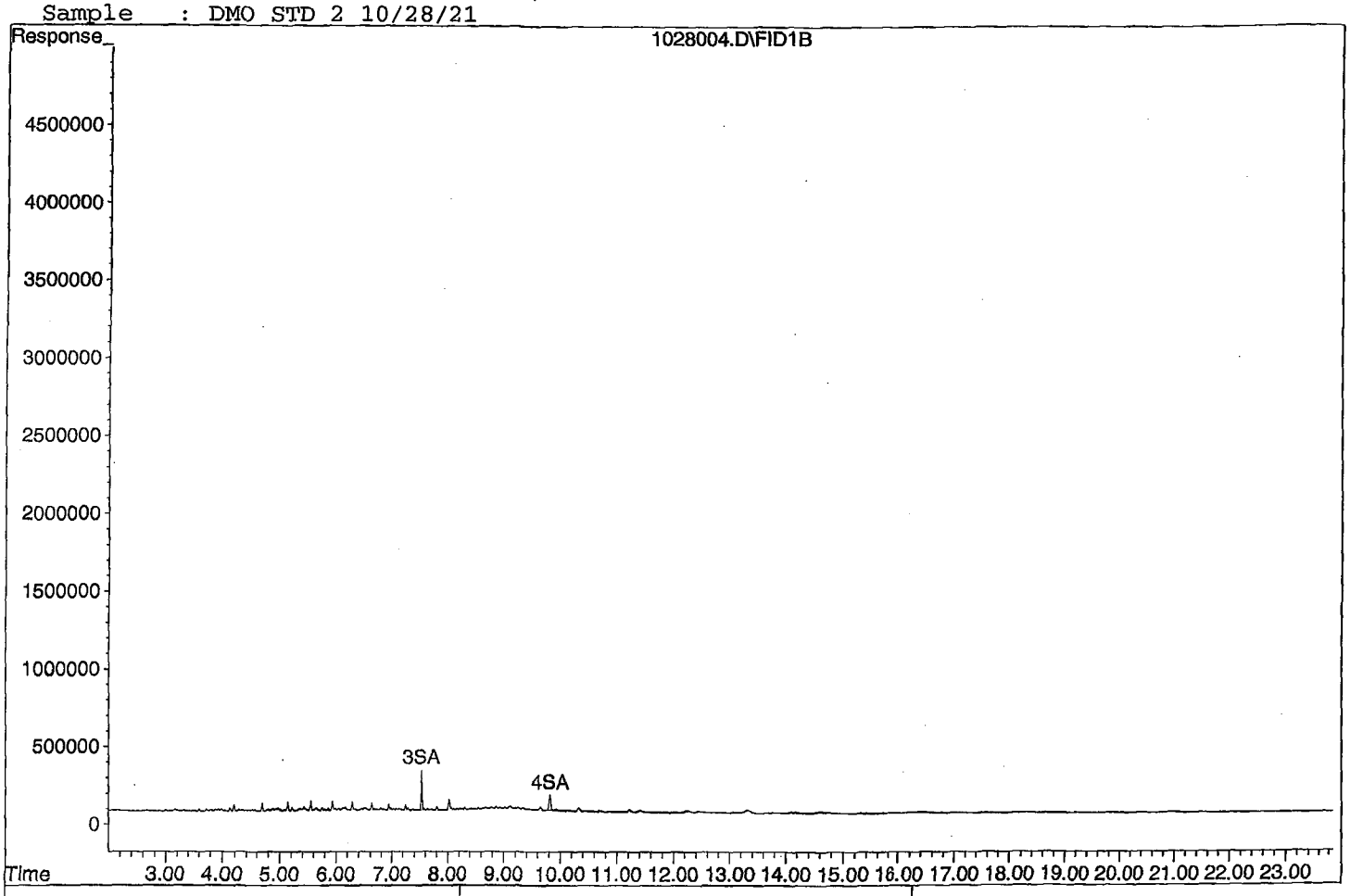
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.53	3178668	0.508 ppb
Surrogate Spike 30.000	Recovery =		1.69%
4) SA Octacosane(S)	9.82	2170507	0.480 ppb
Surrogate Spike 30.000	Recovery =		1.60%
Target Compounds			
1) HATM Diesel (C10-C24)	6.49	48131263	9.562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

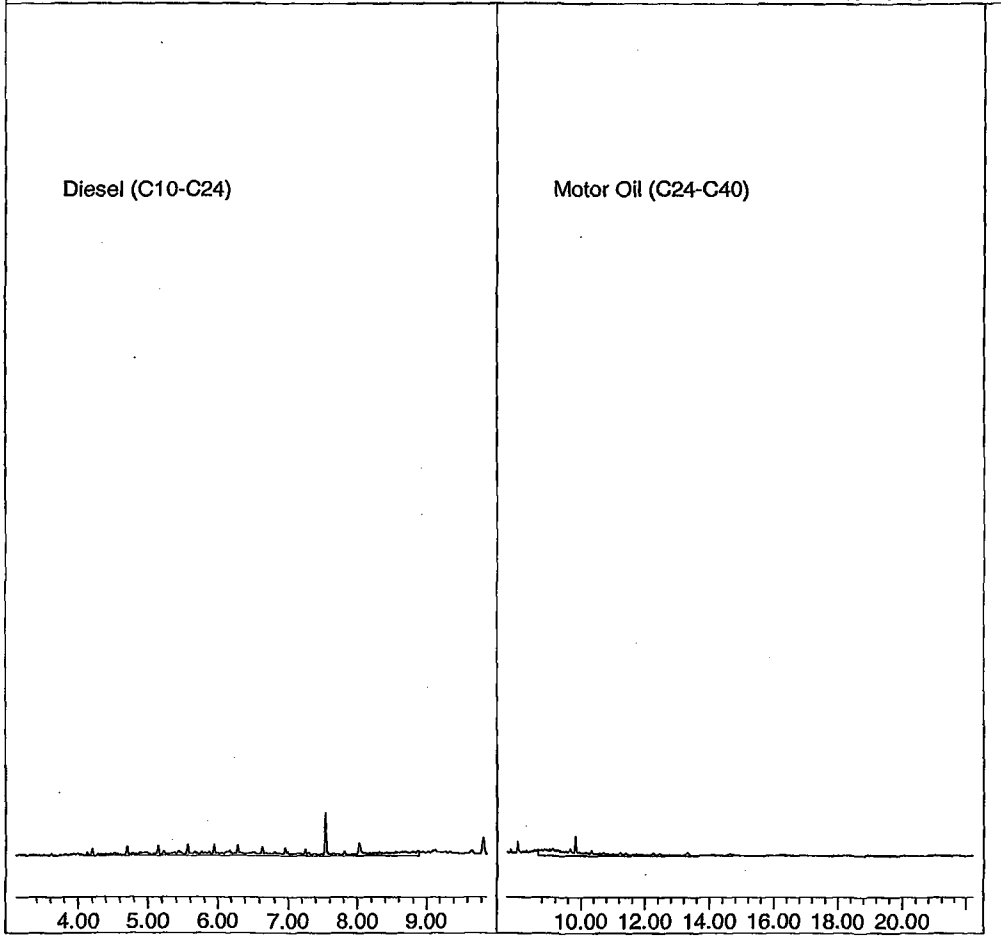
Target Compounds

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

Quantitation Report

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

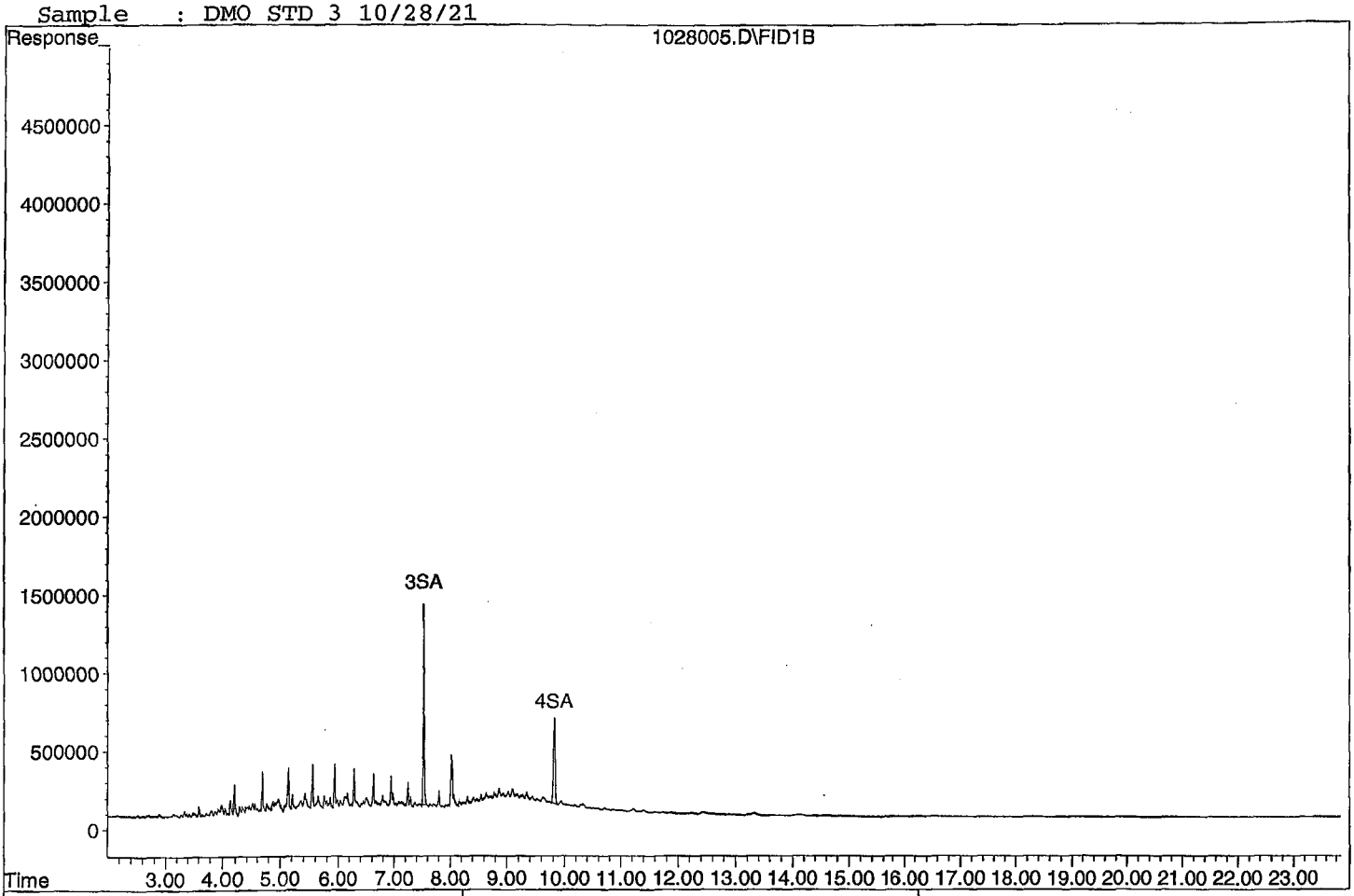
Method : G:\APOLLO\DATA\211028\DOC1028.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Oct 28 15:39:11 2021
Response via : Multiple Level Calibration

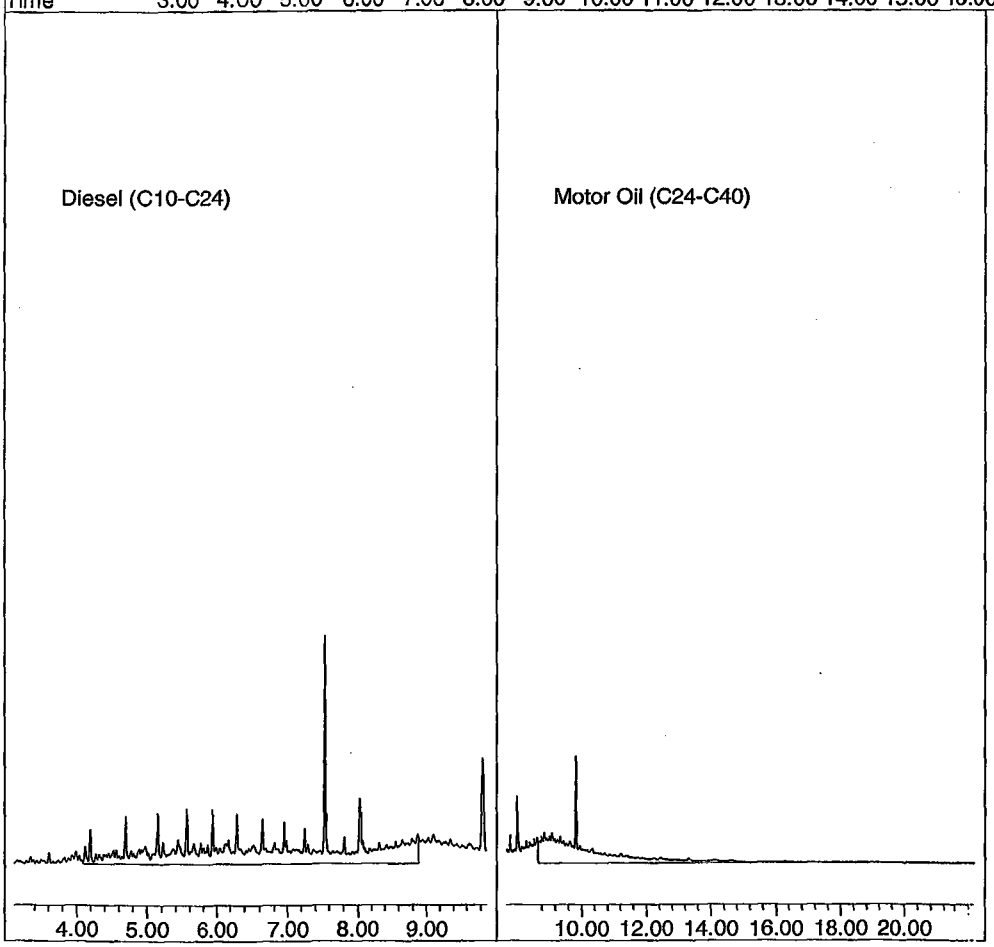
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

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

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





Quantitation Report (Not Reviewed)

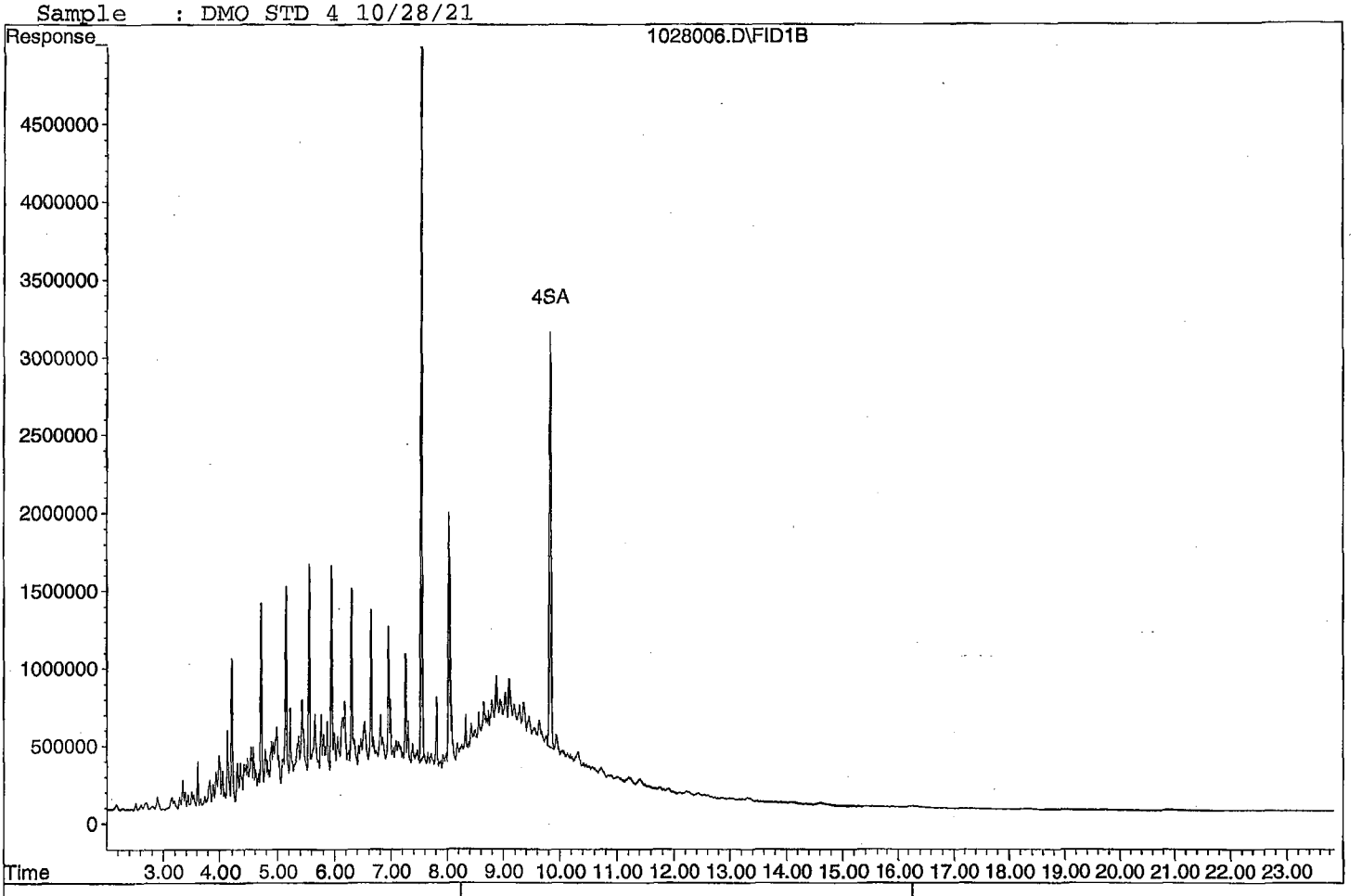
Data File : G:\APOLLO\DATA\211028\1028006.D Vial: 6
Acq On : 10-28-21 10:43:31 Operator: KA
Sample : DMO STD 4 10/28/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 28 15:39 2021 Quant Results File: DOC1028.RES

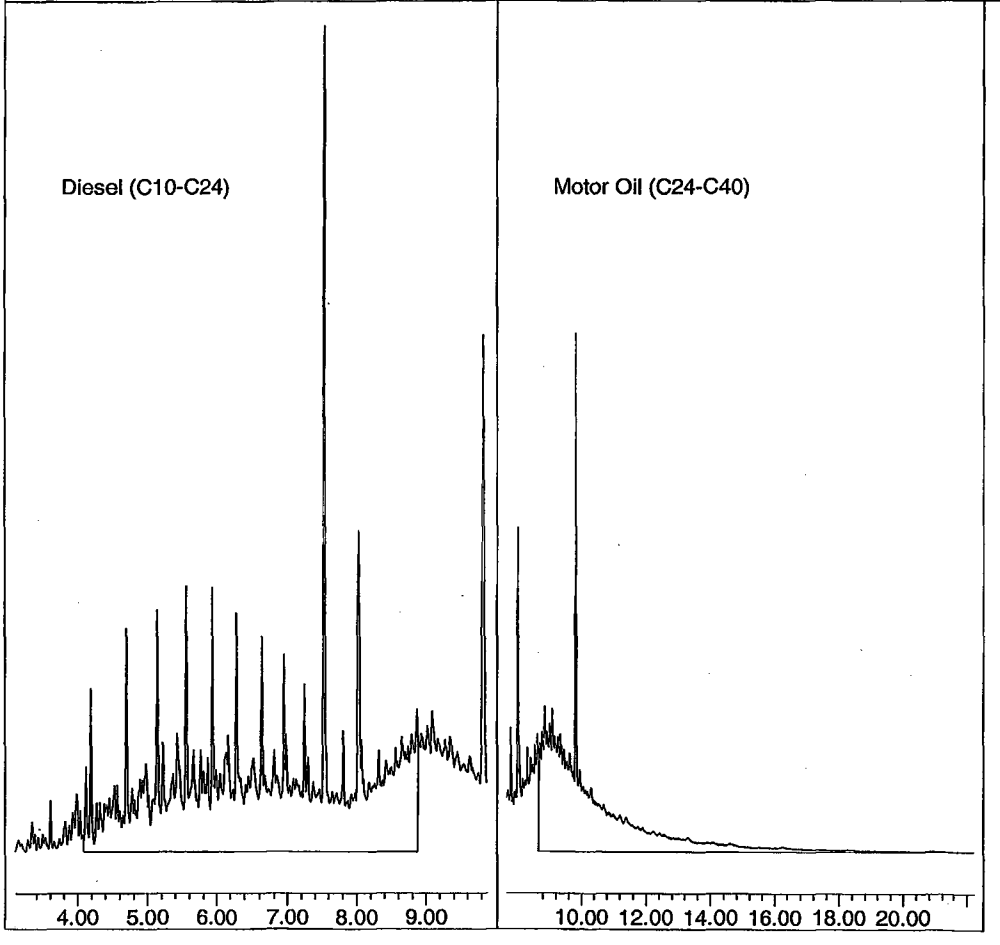
Method : G:\APOLLO\DATA\211028\DOC1028.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Oct 28 15:39:11 2021
Response via : Multiple Level Calibration

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			

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

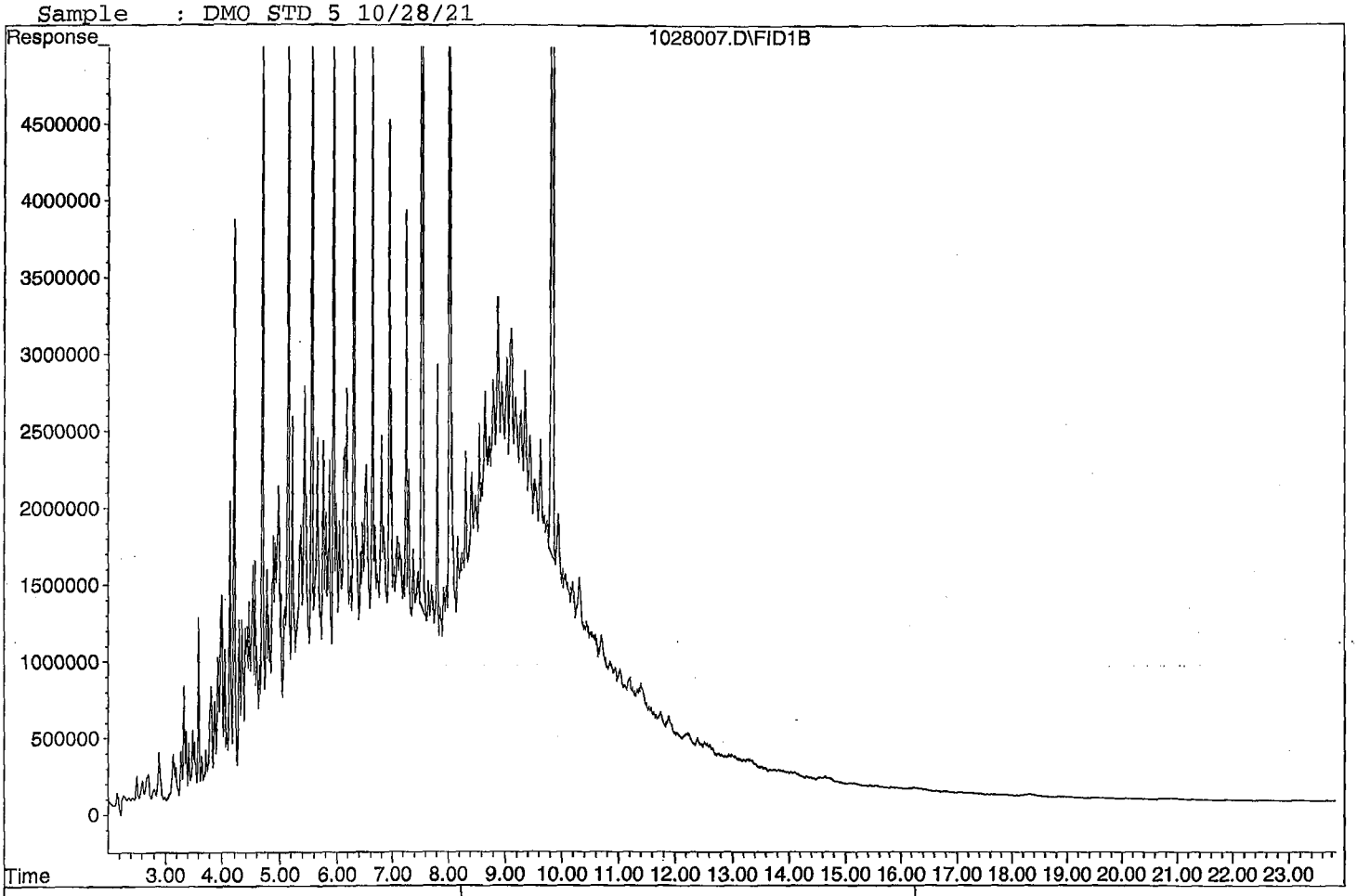
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.54	292696553	46.794 ppb
Surrogate Spike 30.000		Recovery =	155.98%
4) SA Octacosane(S)	9.83	217041298	47.988 ppb
Surrogate Spike 30.000		Recovery =	159.96%
Target Compounds			
1) HATM Diesel (C10-C24)	6.49	4675985227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

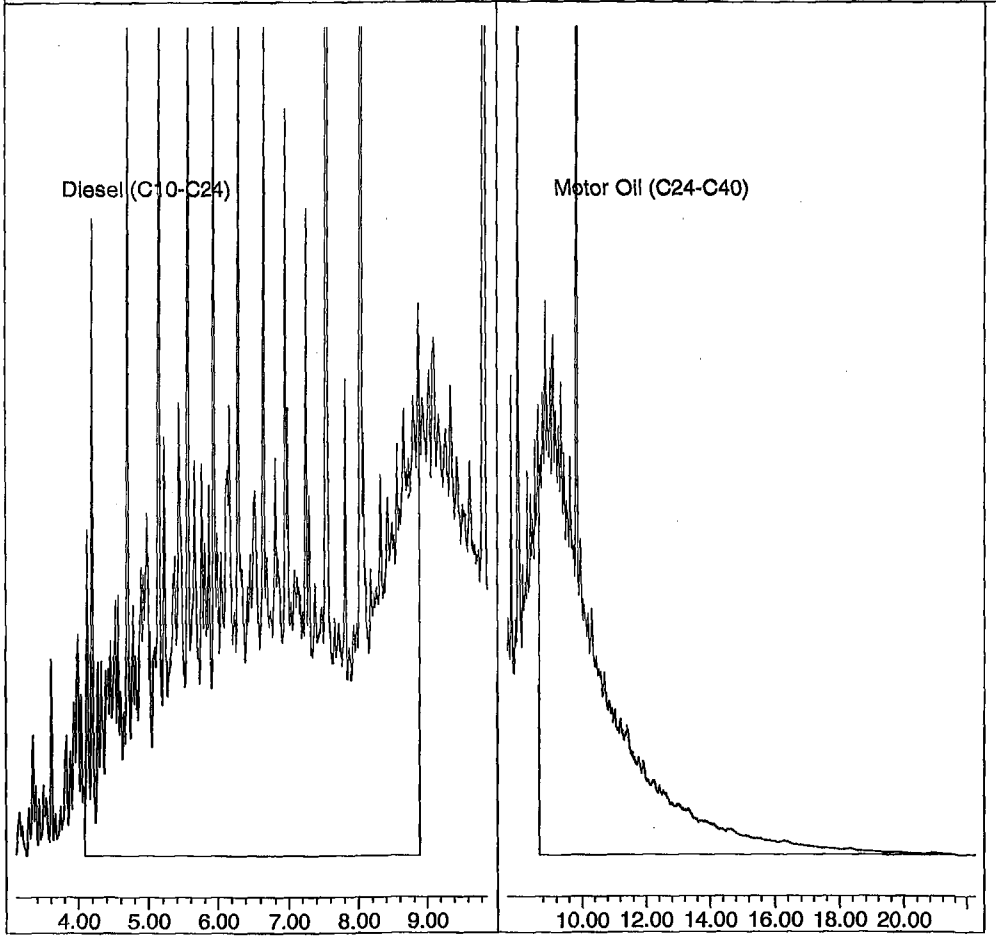
Target Compounds

(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

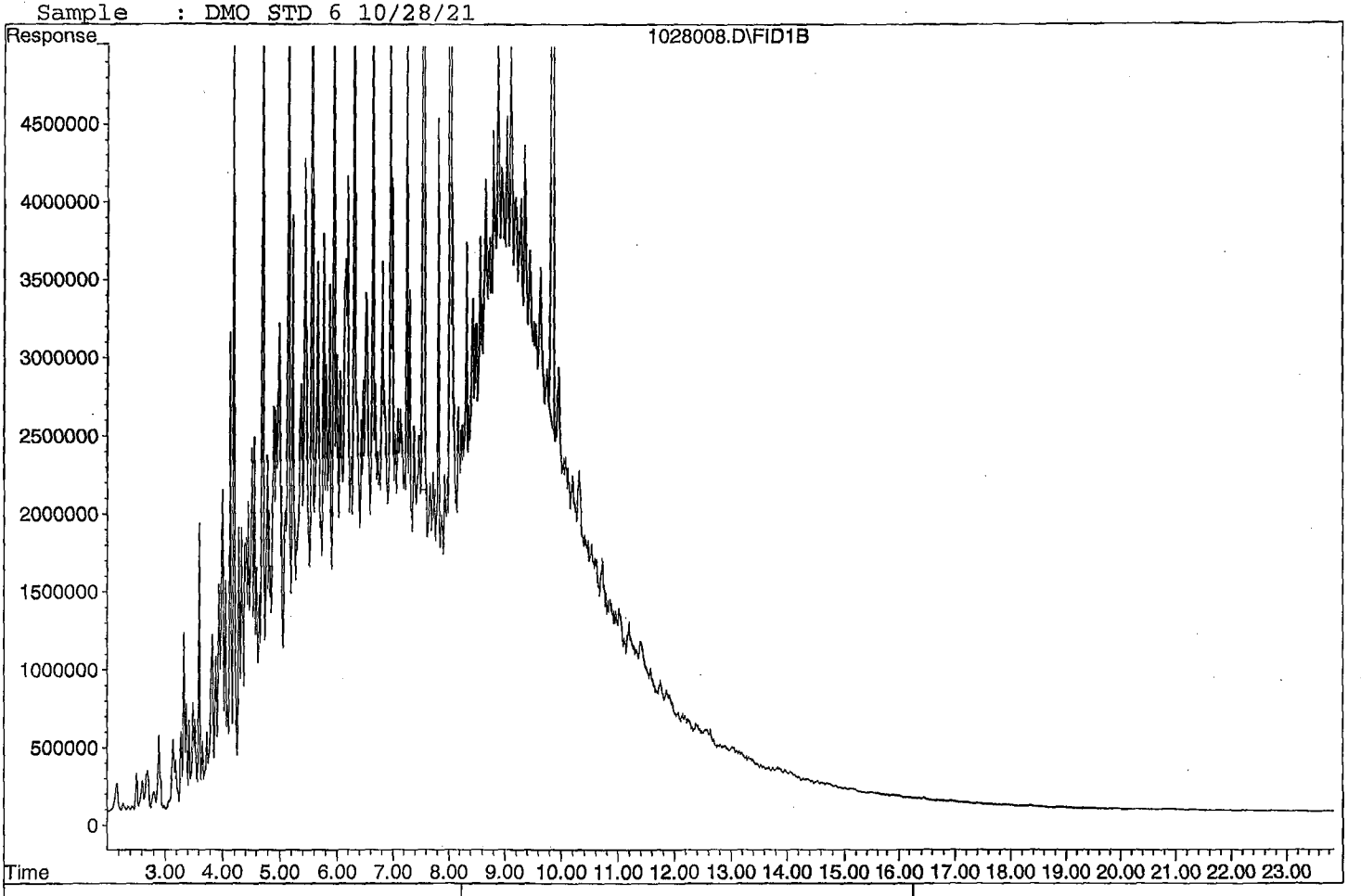
Method : G:\APOLLO\DATA\211028\DOC1028.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Oct 28 15:39:11 2021
Response via : Multiple Level Calibration

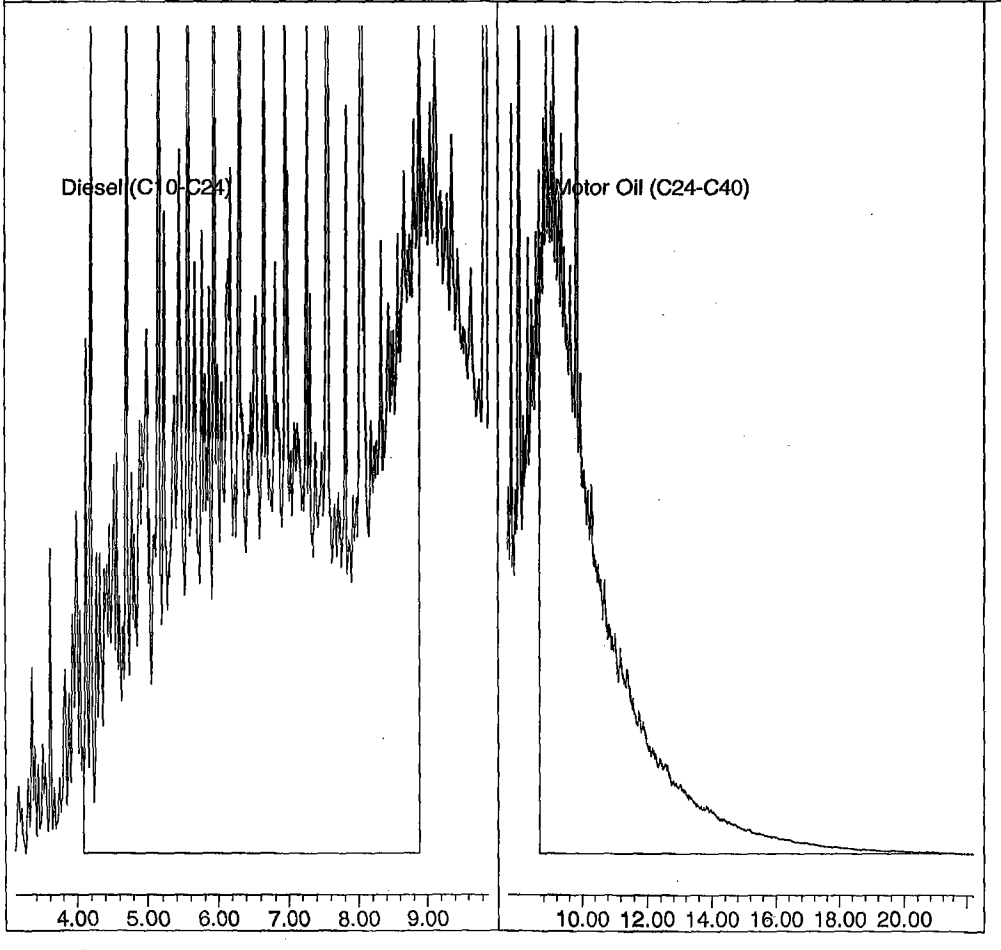
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

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

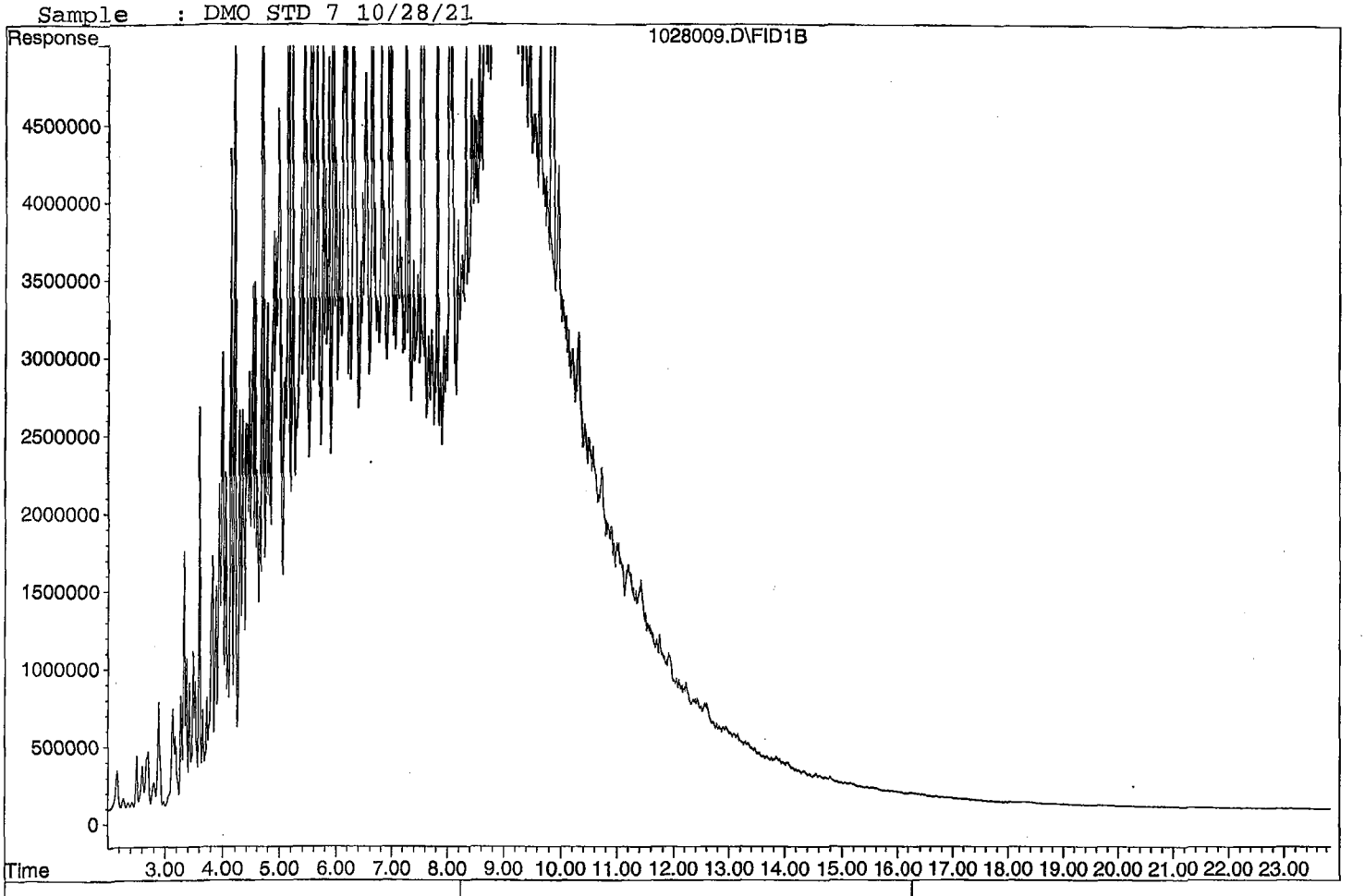
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

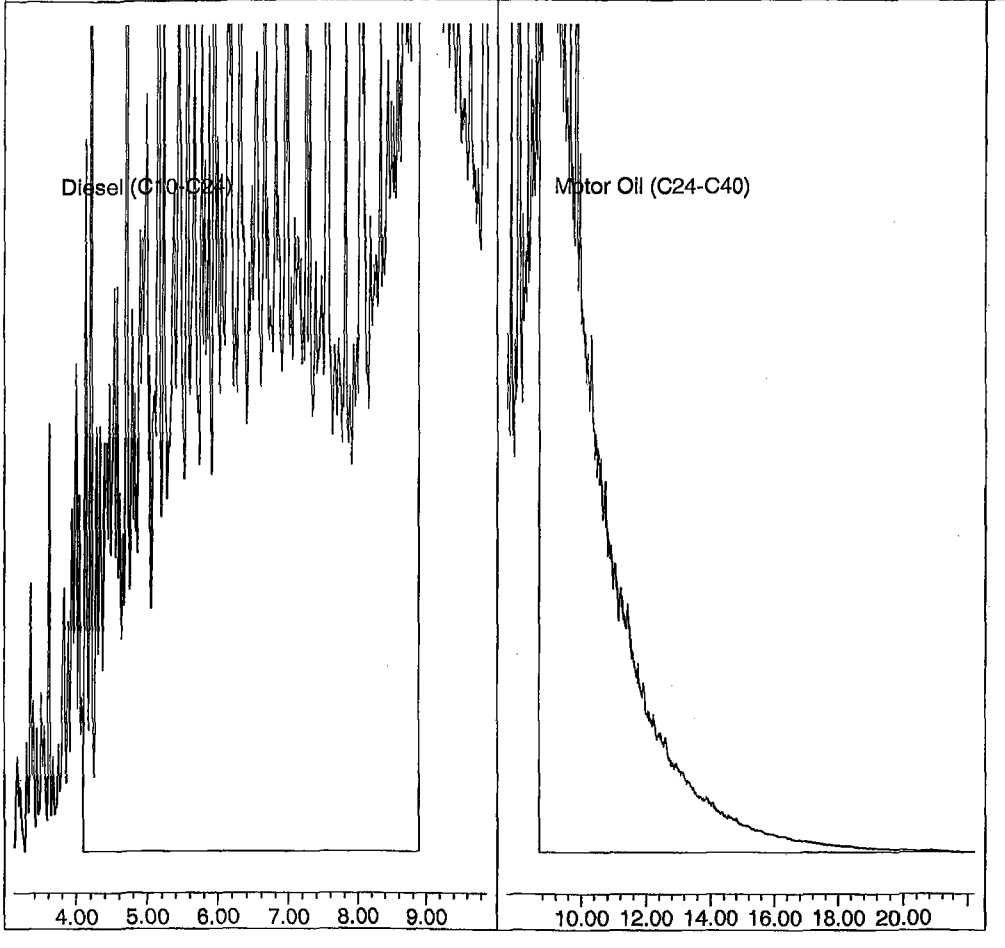
Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
3) SA Ortho-Terphenyl(S)	7.54	617758709	98.762	ppb
Surrogate Spike 30.000		Recovery =	329.21%	
4) SA Octacosane(S)	9.85	457331573	101.116	ppb
Surrogate Spike 30.000		Recovery =	337.05%	
Target Compounds				
1) HATM Diesel (C10-C24)	6.49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

Target Compounds

(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
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							
31							
32							
33							
34							
35							
36							
37							
38							
39							
40							
		Average			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

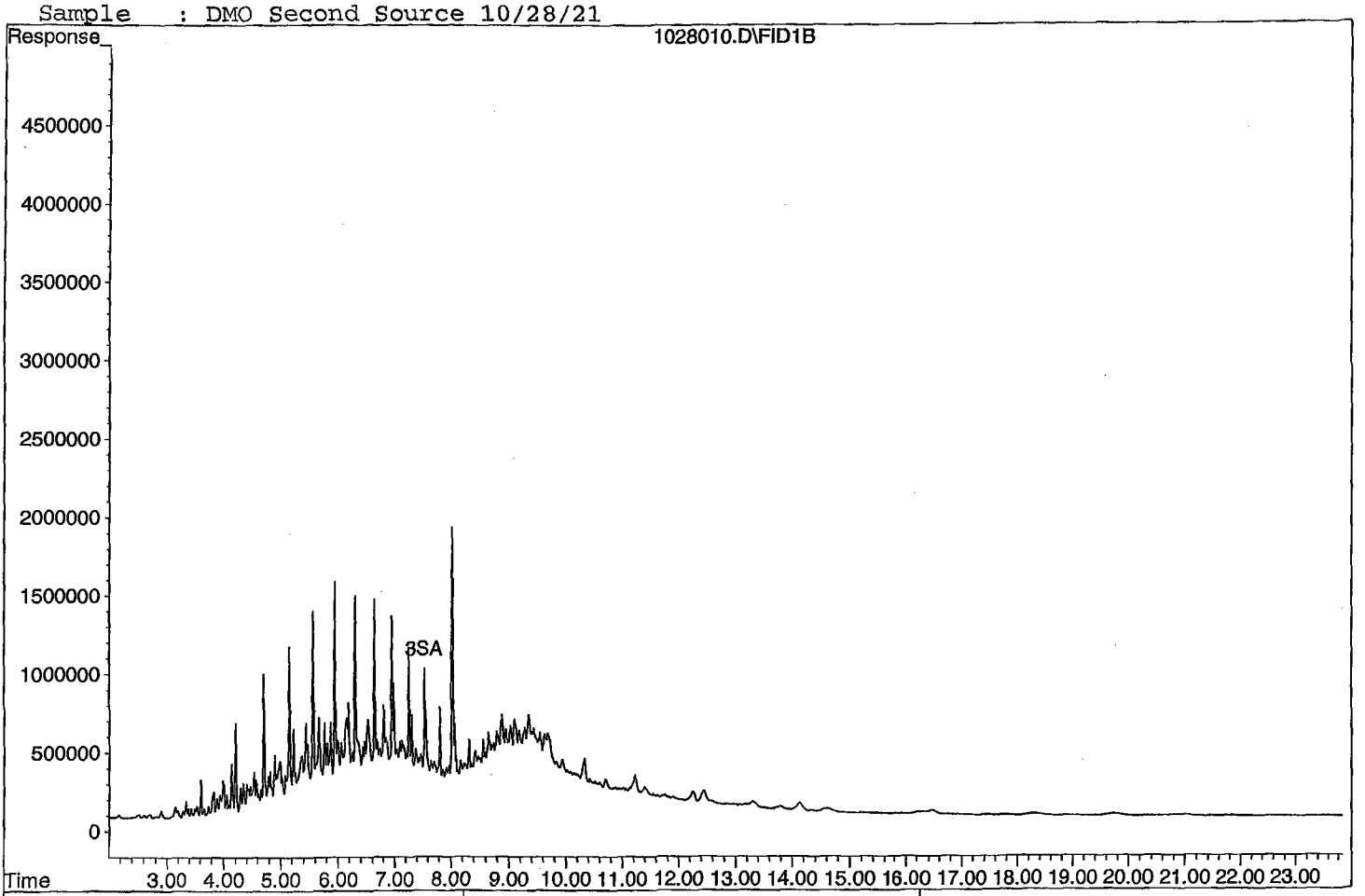
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

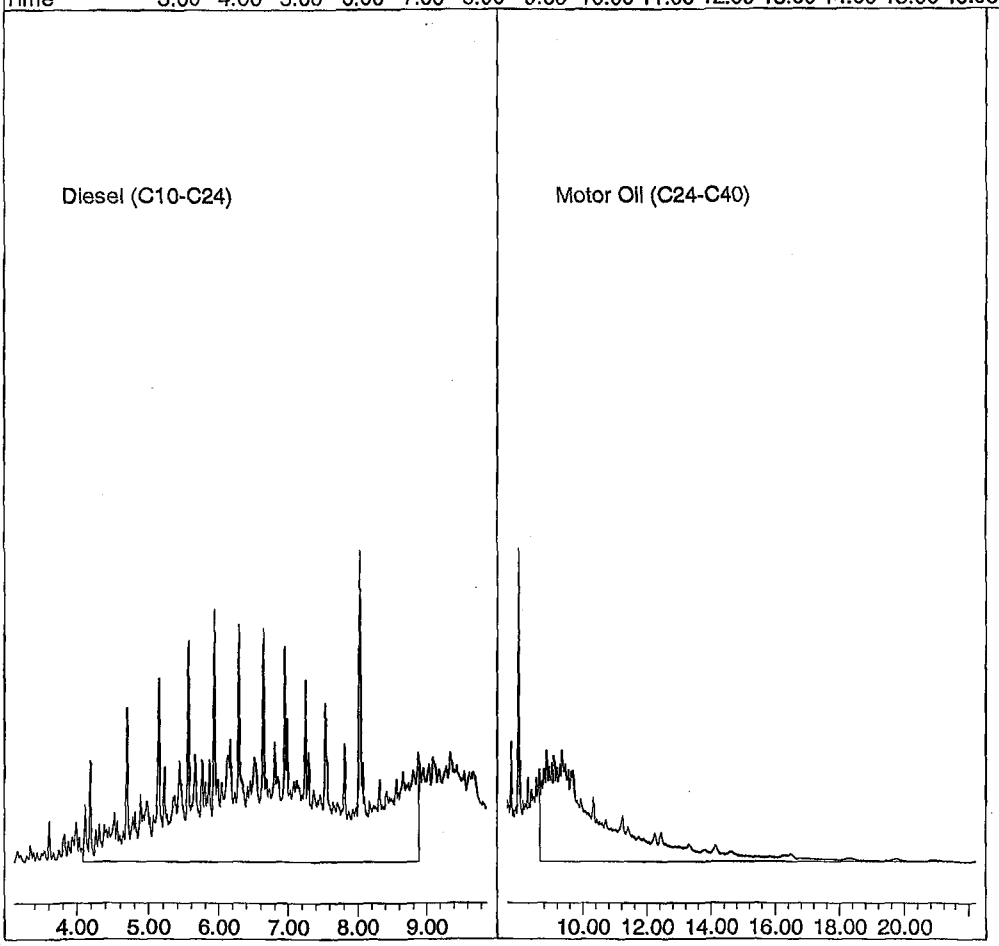
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.53	4250105	0.679 ppb
Surrogate Spike 30.000	Recovery	=	2.26%
4) SA Octacosane(S)	9.83	-3553	N.D. ppb
Surrogate Spike 30.000	Recovery	=	0.00%
Target Compounds			
1) HATM Diesel (C10-C24)	6.49	1133202337	225.139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

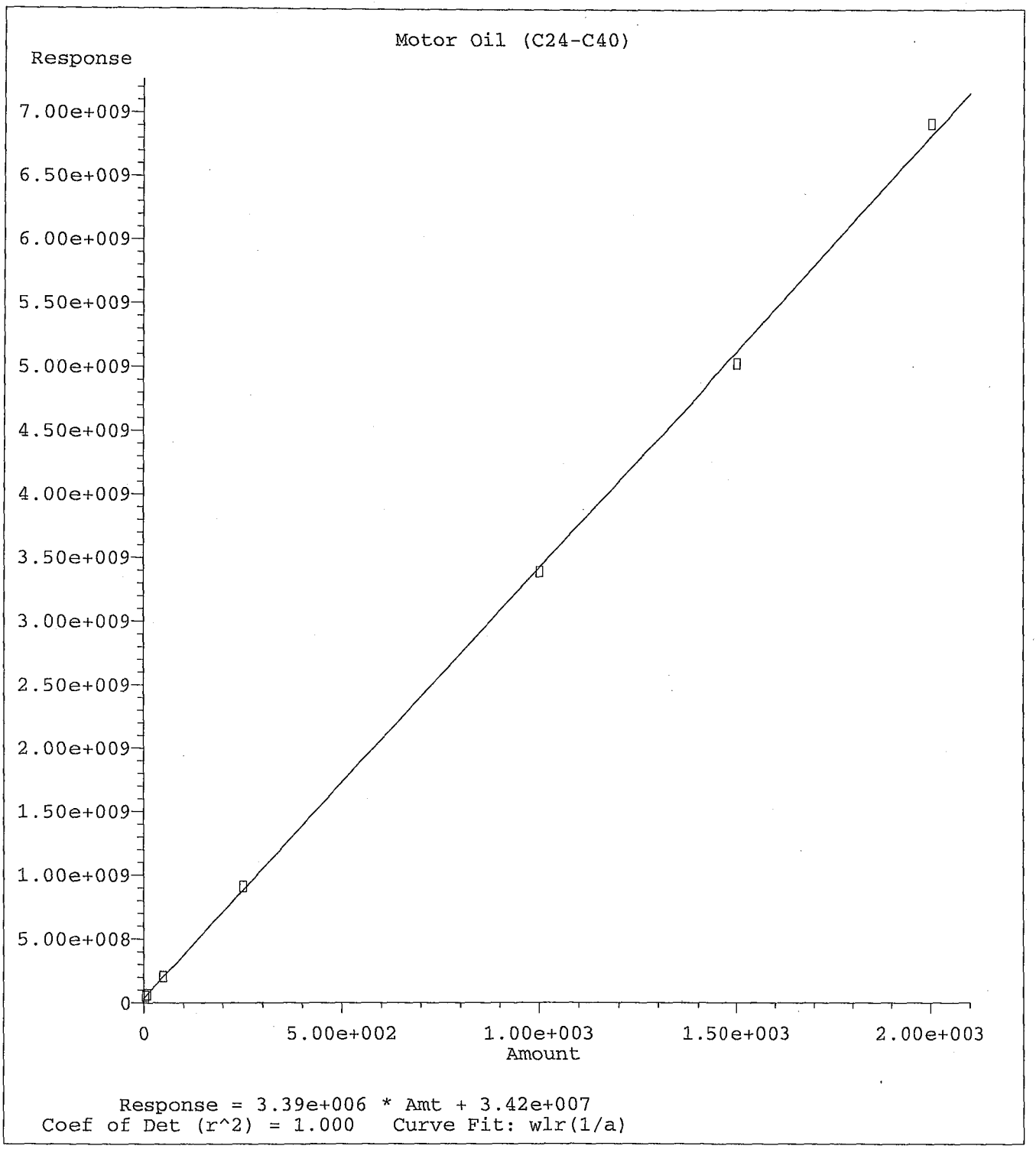
Target Compounds

(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

			911002.D	911003.D	911004.D	911005.D	911006.D	911007.D									
		Compound	1	2	3	4	5	6					Avg	%RSD	Type	r^2	Q
1	SC	Decanoic Acid(S)	883995	1084261	1313446	1384667	1522107	1509937					1283069	20	SC		*
2																	
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	
11																	
12																	
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	
25																	
26																	
27																	
28																	
29																	
30																	
31																	
32																	
33																	
34																	
35																	

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

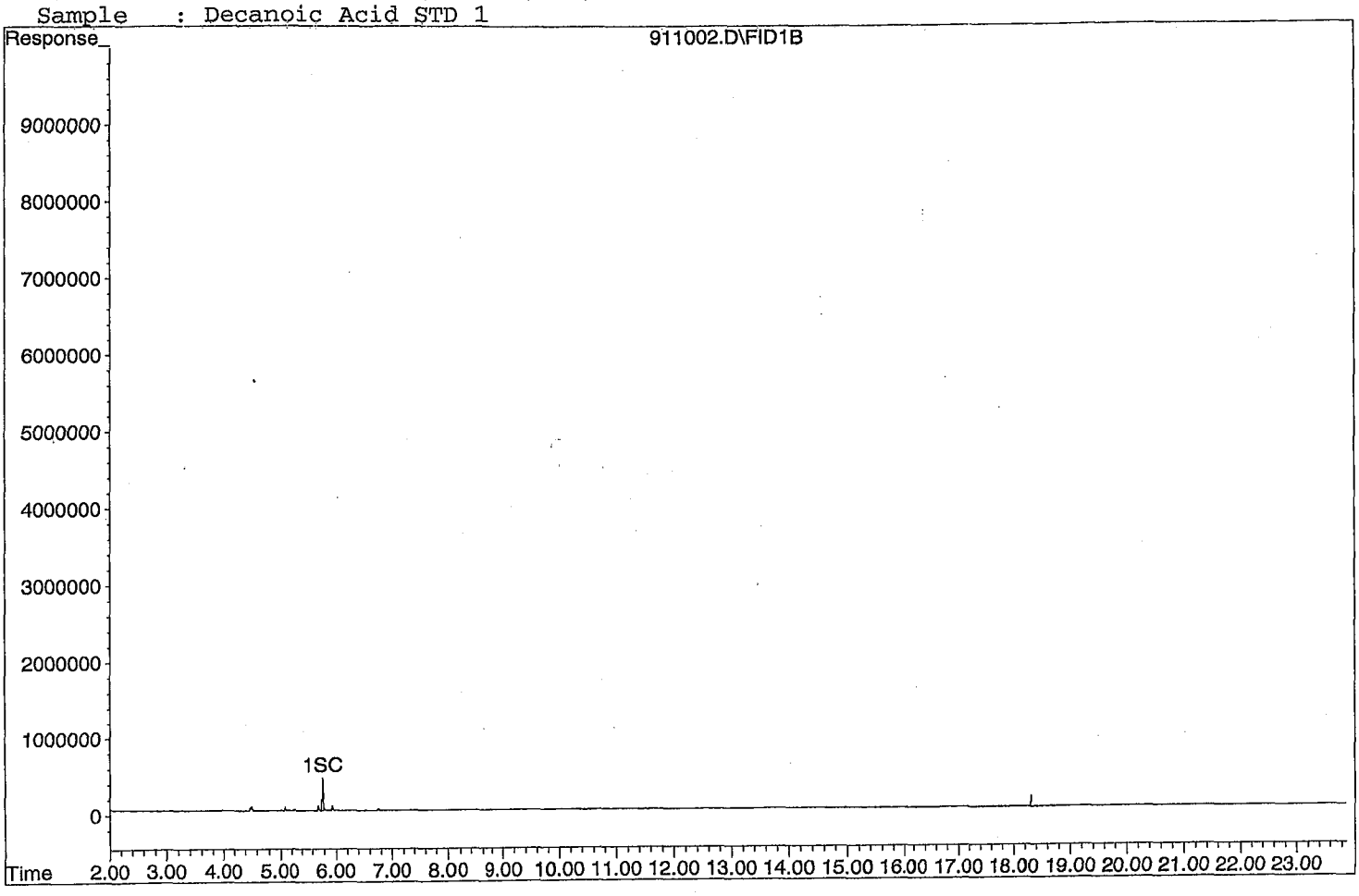
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

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

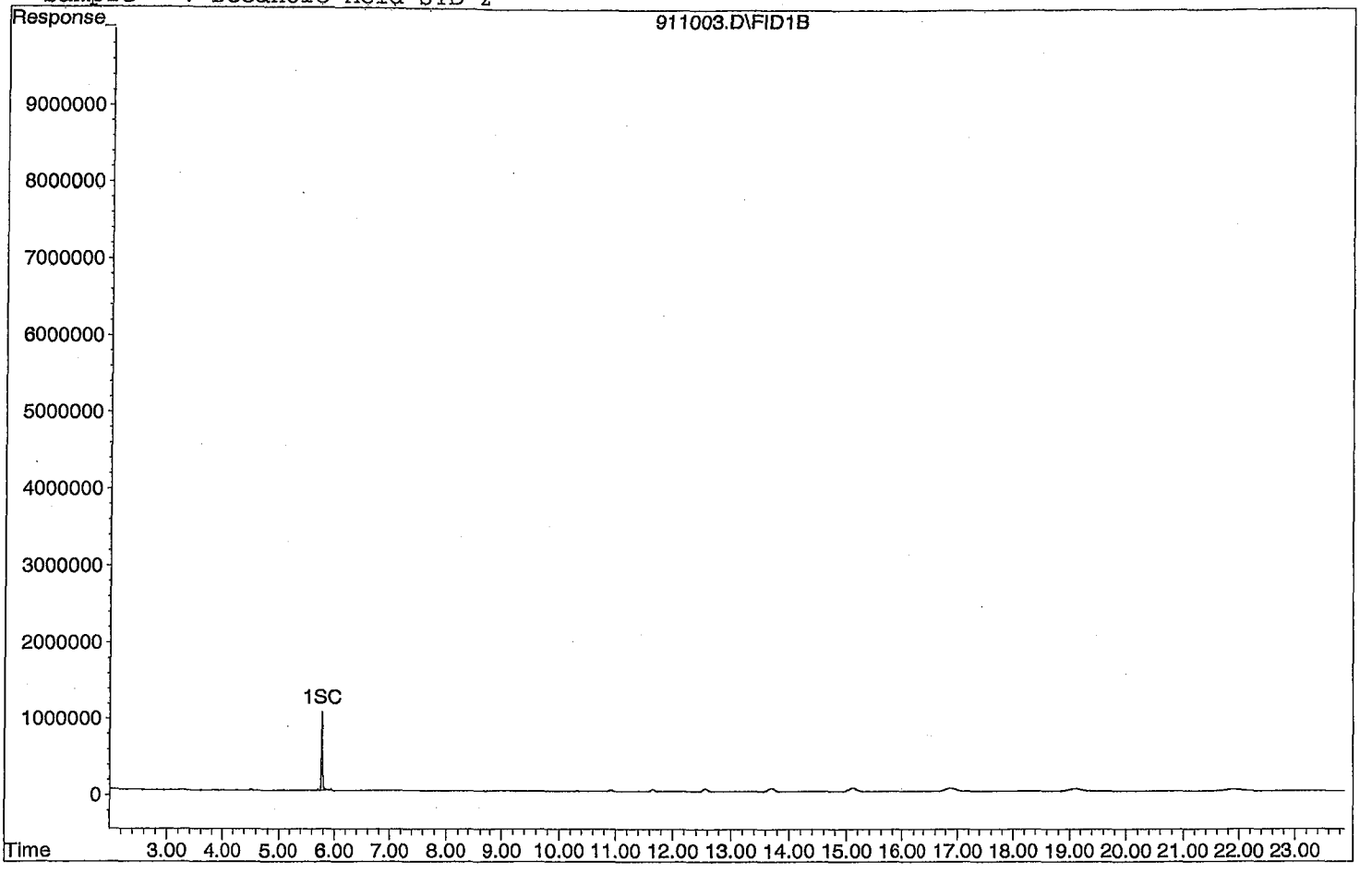
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

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

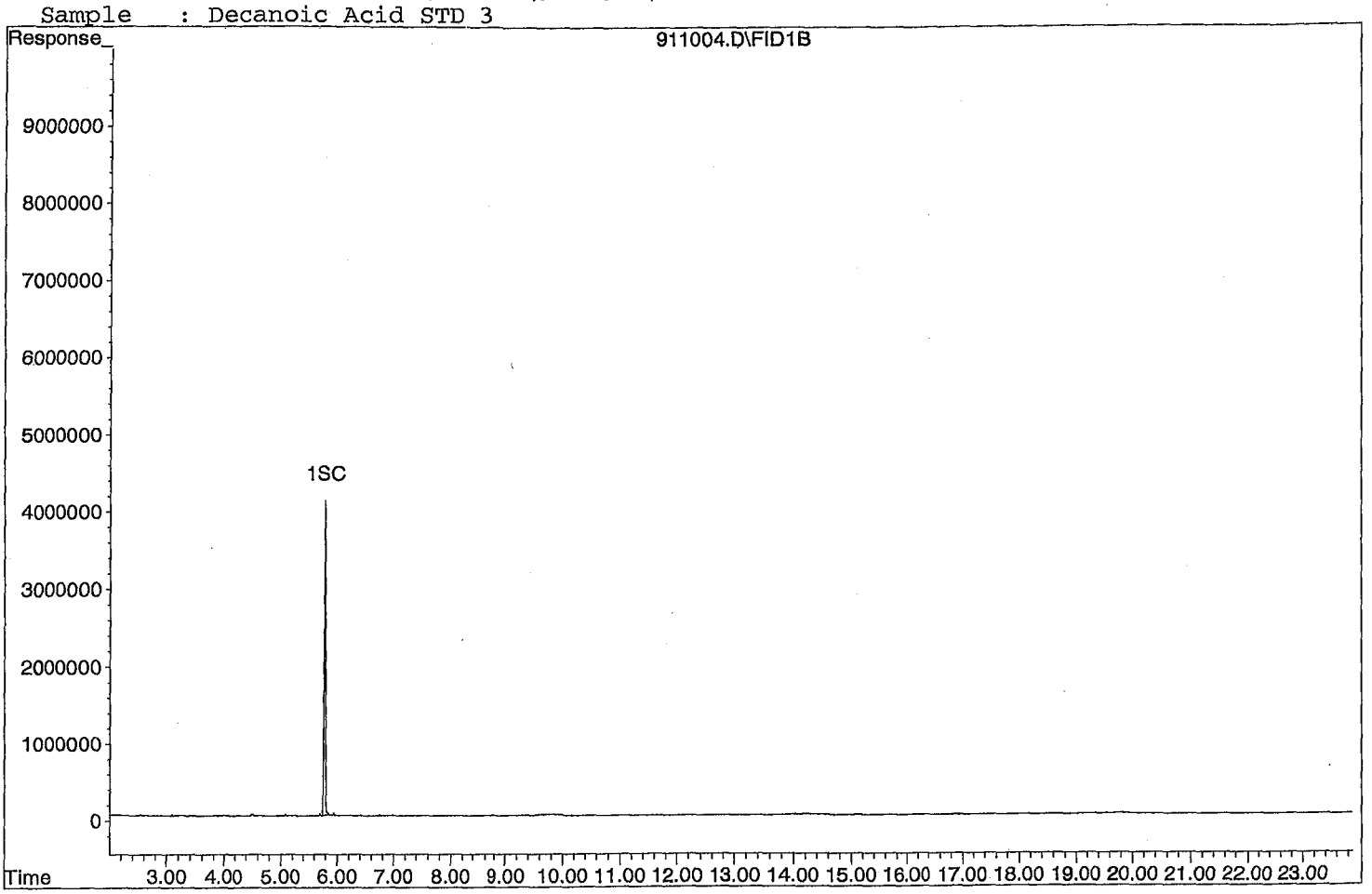
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

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

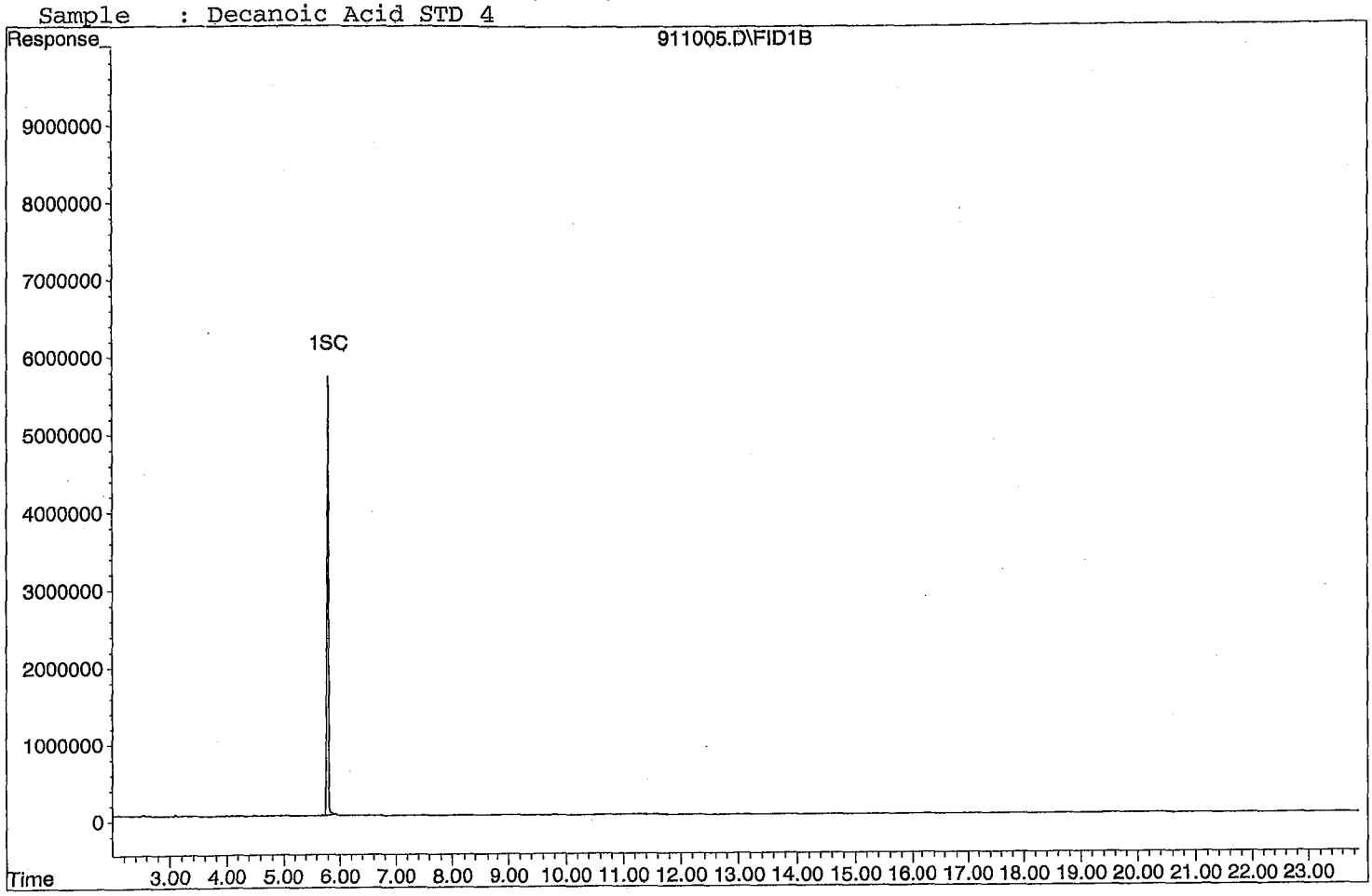
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

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

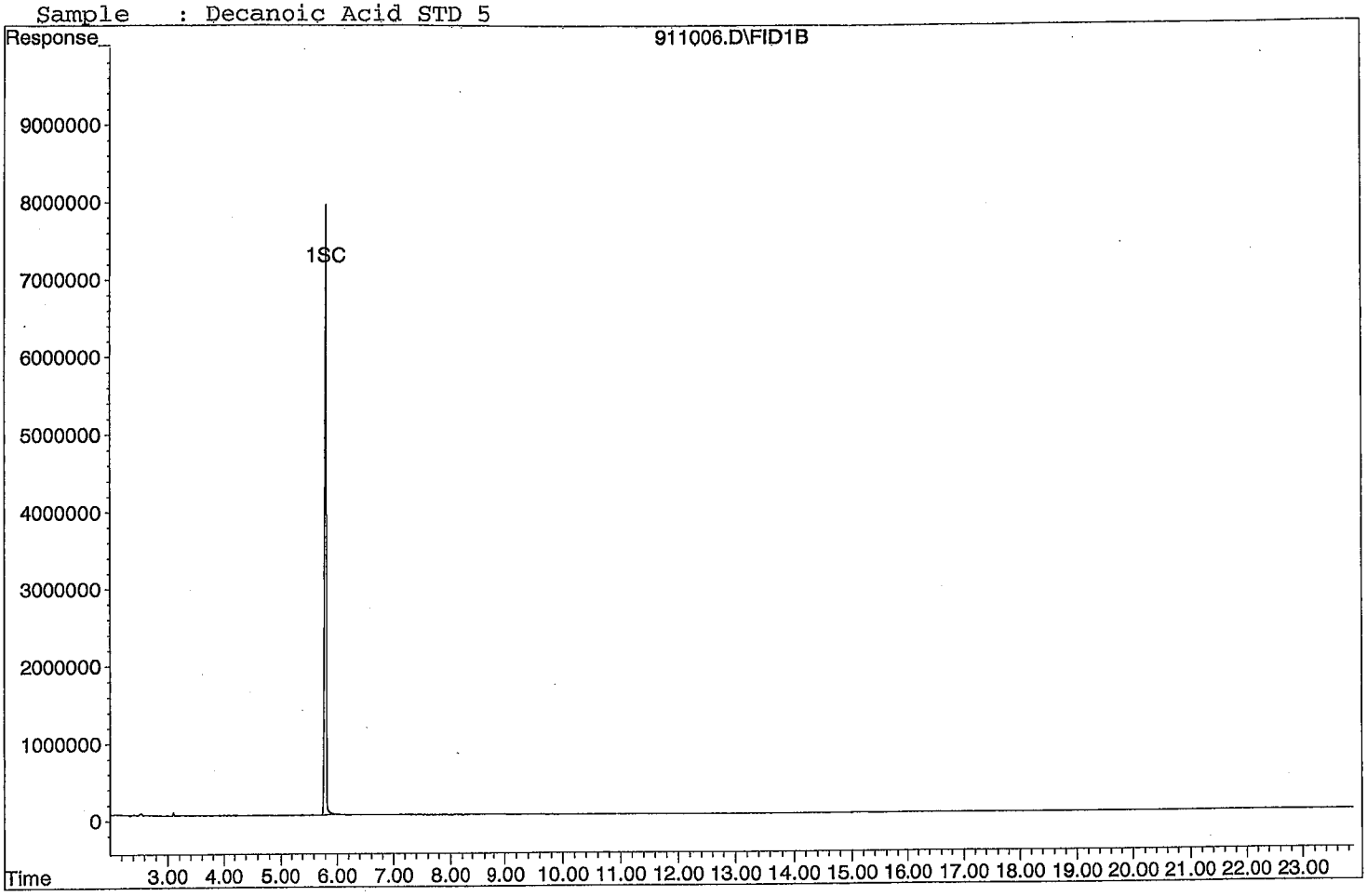
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) SC Decanoic Acid(S)	5.81	146122260	56.942 ppb
Surrogate Spike 24.000		Recovery =	237.26%
Target Compounds			

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

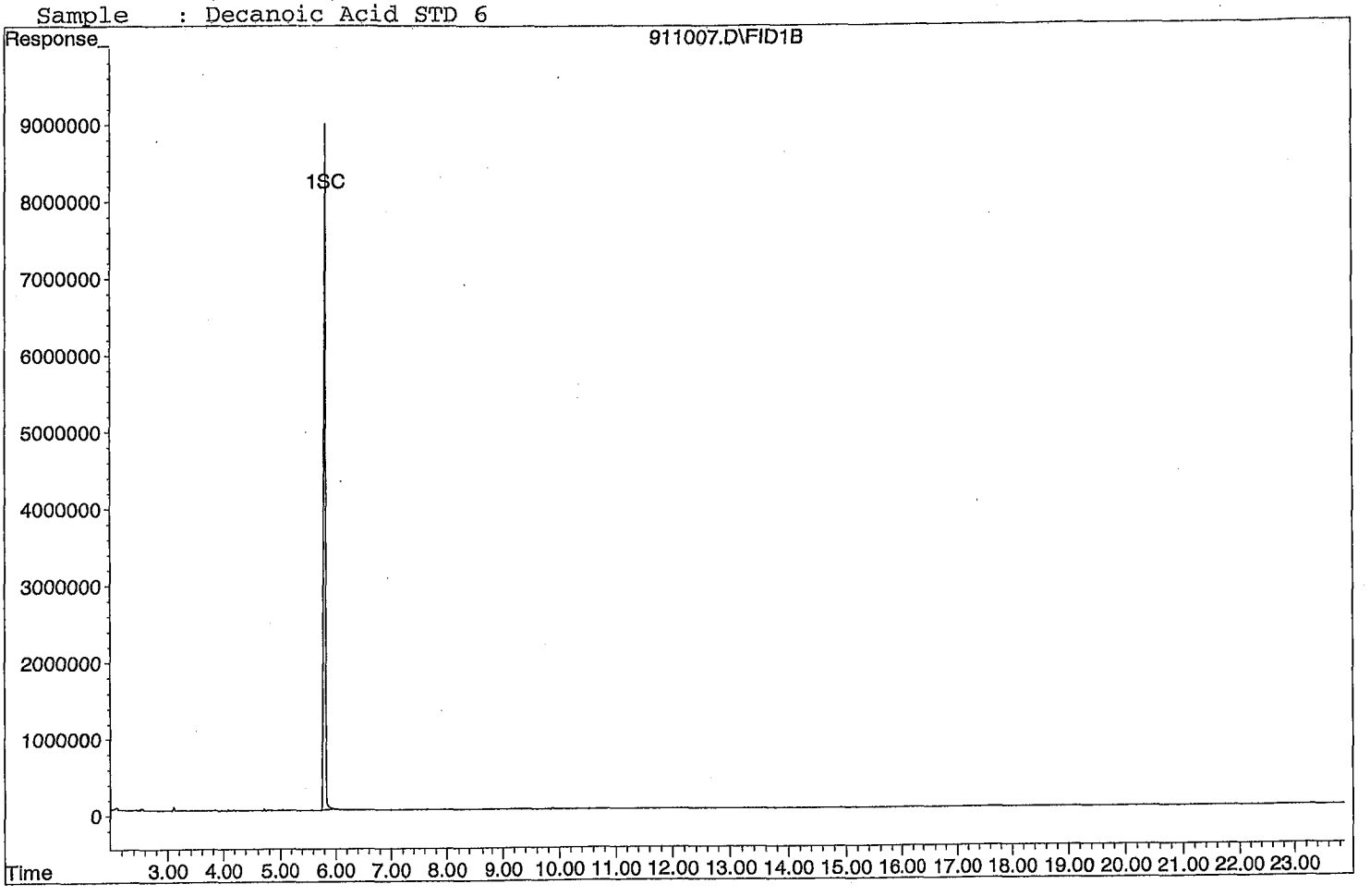
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) SC Decanoic Acid(S)	5.81	181192435	70.609 ppb
Surrogate Spike 24.000	Recovery =	294.20%	
Target Compounds			

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: 11/19/2021
Instrument: Apollo
Initial Cal. Date: 10/28/2021
Data File: 1117092.D

		Compound	MEAN	CCRF	%D	%Drift	
1	HATM	Diesel (C10-C24)	2516670	2750900	9.3	HATM	
2	HBTM	Motor Oil (C24-C40)	2492040	1875410	25	HBTML	6.6
3	SA	Ortho-Terphenyl(S)	3127510	2920050	6.6	SA	
4	SA	Octacosane(S)	2261430	2407500	6.5	SA	
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							
31							
32							
33							
34							
35							
36							
37							
38							
39							
40							
		Average			11.9		

Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\211117\1117092.D Vial: 92
Acq On : 11-19-21 4:26:09 Operator: KA
Sample : DMO LVL 4 CCV 10/27/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Nov 19 10:09 2021 Quant Results File: DOC1028.RES

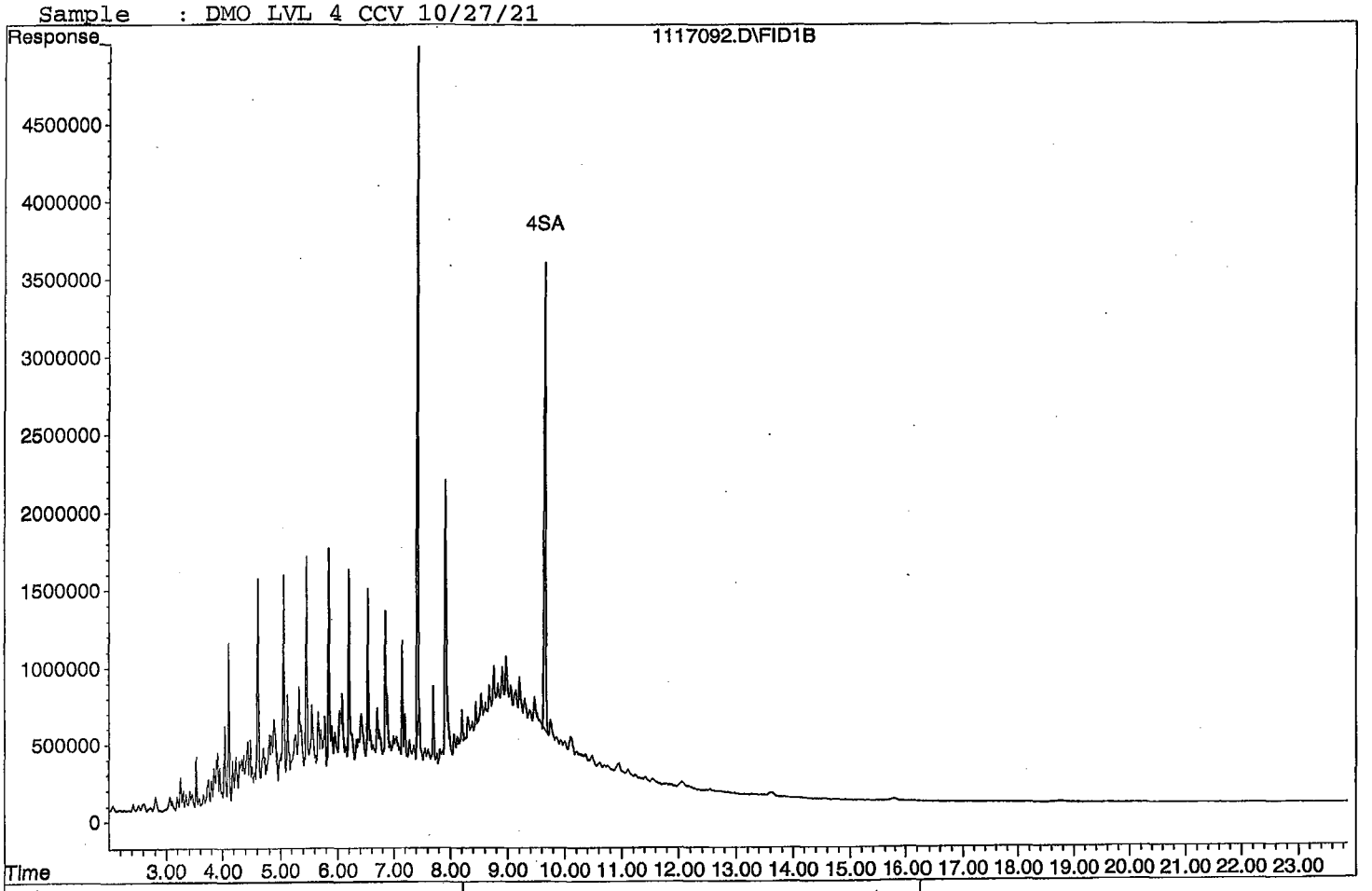
Method : G:\APOLLO\DATA\211028\DOC1028.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Nov 18 13:26:01 2021
Response via : Multiple Level Calibration

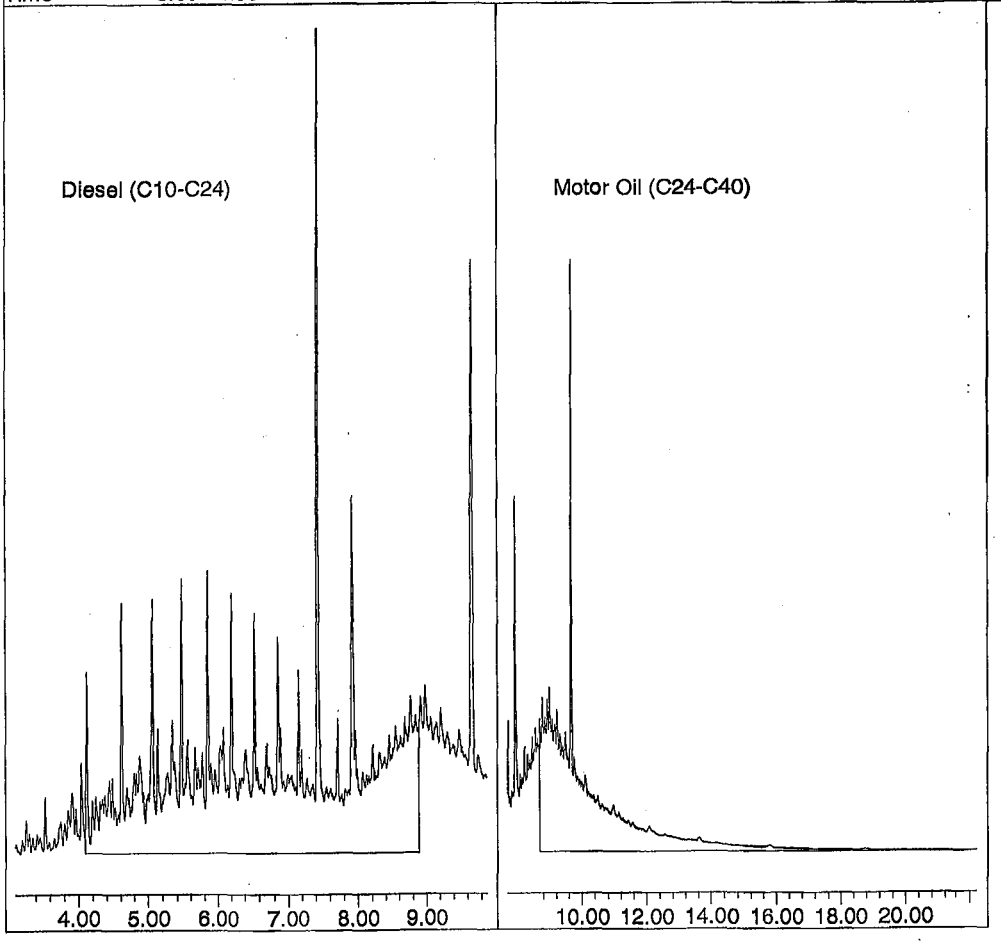
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.42	73001201	11.671 ppb
Surrogate Spike 30.000		Recovery =	38.90%
4) SA Octacosane(S)	9.65	60187569	13.307 ppb
Surrogate Spike 30.000		Recovery =	44.36%
Target Compounds			
1) HATM Diesel (C10-C24)	6.49	1375448848	273.268 ppb
2) HBTM Motor Oil (C24-C40)	14.96	937704588	266.383 ppb
Target Compounds			

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

Data File: G:\APOLLO\DATA\211117\1117092.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: 11/19/2021
Instrument: Apollo
Initial Cal. Date: 9/11/2021
Data File: 1117093.D

		Compound	MEAN	CCRF	%D	%Drift	
1	SC	Decanoic Acid(S)	1283070	1441670	12	SC	
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							
31							
32							
33							
34							
35							
36							
37							
38							
39							
40							
		Average			12.0		

Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\211117\1117093.D Vial: 93
Acq On : 11-19-21 4:54:12 Operator: KA
Sample : Decanoic Acid CCV 11/05/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Nov 19 10:10 2021 Quant Results File: DEC0911.RES

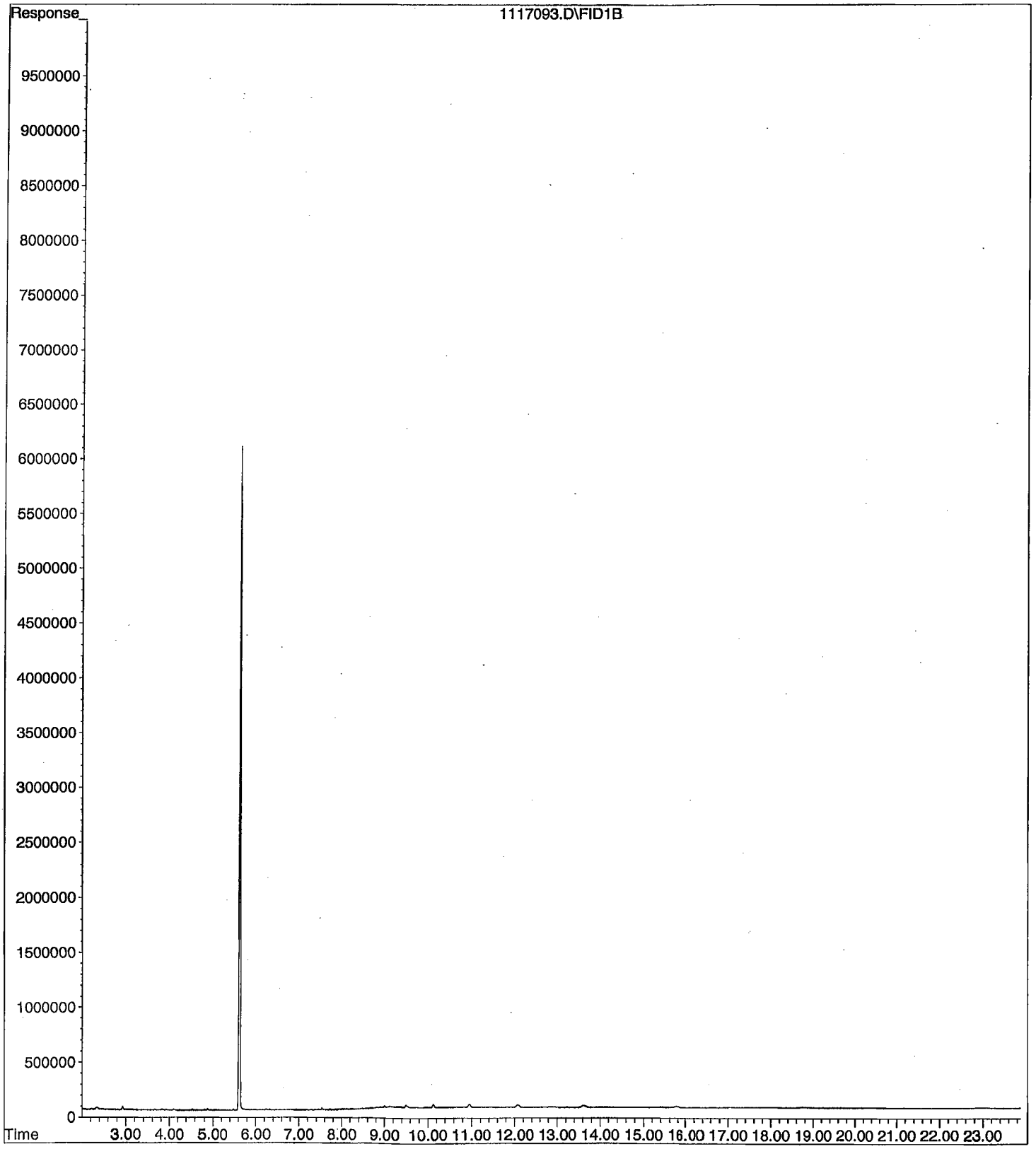
Method : G:\APOLLO\DATA\210911\DEC0911.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Fri Nov 05 10:50:06 2021
Response via : Multiple Level Calibration

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

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) SC Decanoic Acid(S)	5.64	103800237	40.450 ppb
Surrogate Spike 24.000		Recovery =	168.54%
Target Compounds			
Target Compounds			

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

File : G:\APOLLO\DATA\211117\1117093.D
Operator : KA
Acquired : 11-19-21 4:54:12 using AcqMethod TPHSN.M
Instrument : Apollo
Sample Name: Decanoic Acid CCV 11/05/21
Misc Info : water
Vial Number: 93



TPH Extractables
DOC1028

Form 7

Continuing Calibration

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

SDG No:
Date Analyzed: 11/19/2021
Instrument: Apollo
Initial Cal. Date: 10/28/2021
Data File: 1117106.D

		Compound	MEAN	CCRF	%D		%Drift
1	HATM	Diesel (C10-C24)	2516670	2794060	11	HATM	
2	HBTM	Motor Oil (C24-C40)	2492040	1930260	23	HBTML	9.8
3	SA	Ortho-Terphenyl(S)	3127510	3434980	9.8	SA	
4	SA	Octacosane(S)	2261430	2442520	8.0	SA	
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							
31							
32							
33							
34							
35							
36							
37							
38							
39							
40							
		Average			13.0		

Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\211117\1117106.D Vial: 6
Acq On : 11-19-21 10:58:57 Operator: KA
Sample : DMO LVL 4 CCV 10/27/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Nov 19 18:54 2021 Quant Results File: DOC1028.RES

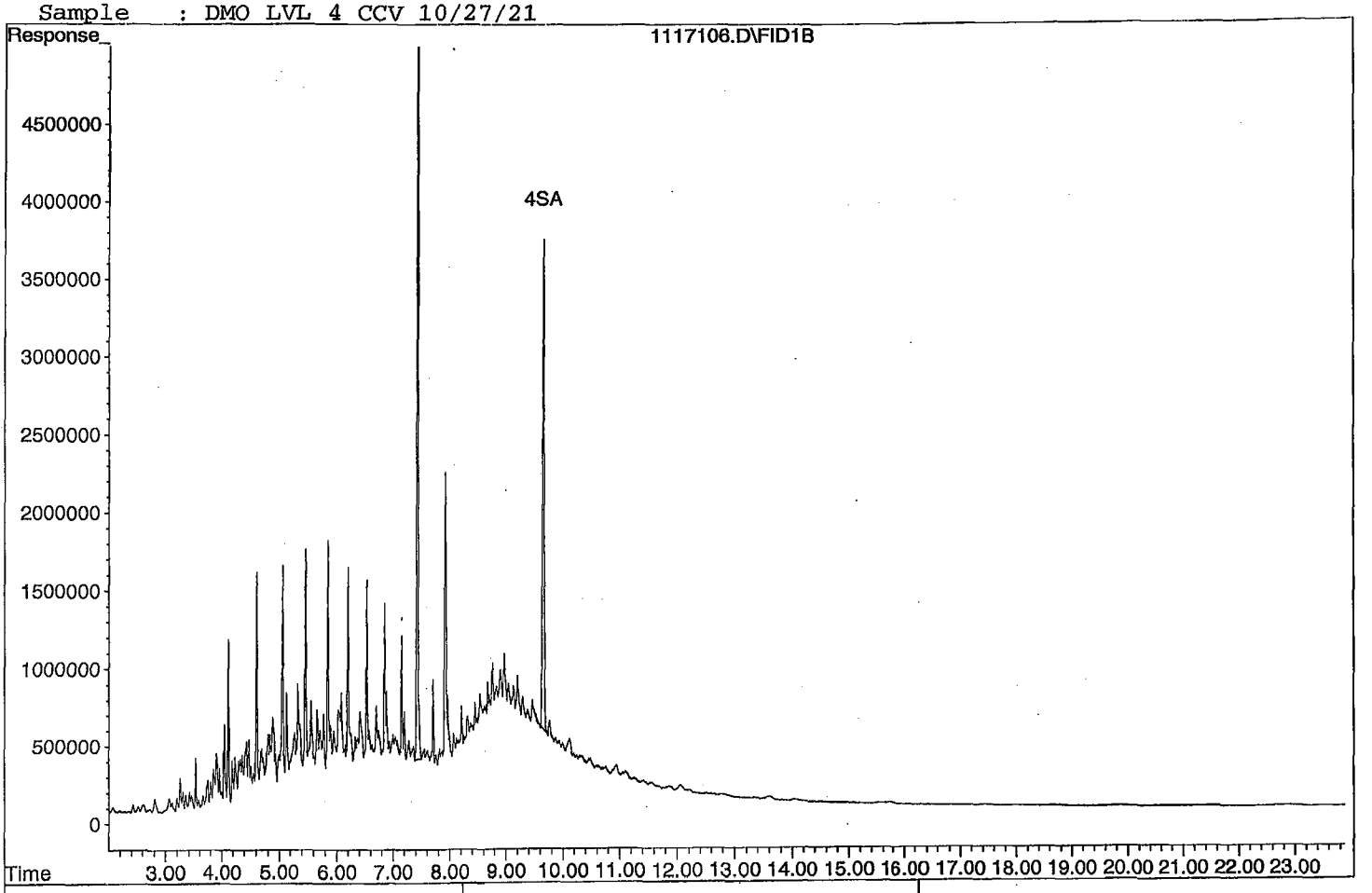
Method : G:\APOLLO\DATA\211028\DOC1028.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Nov 18 13:26:01 2021
Response via : Multiple Level Calibration

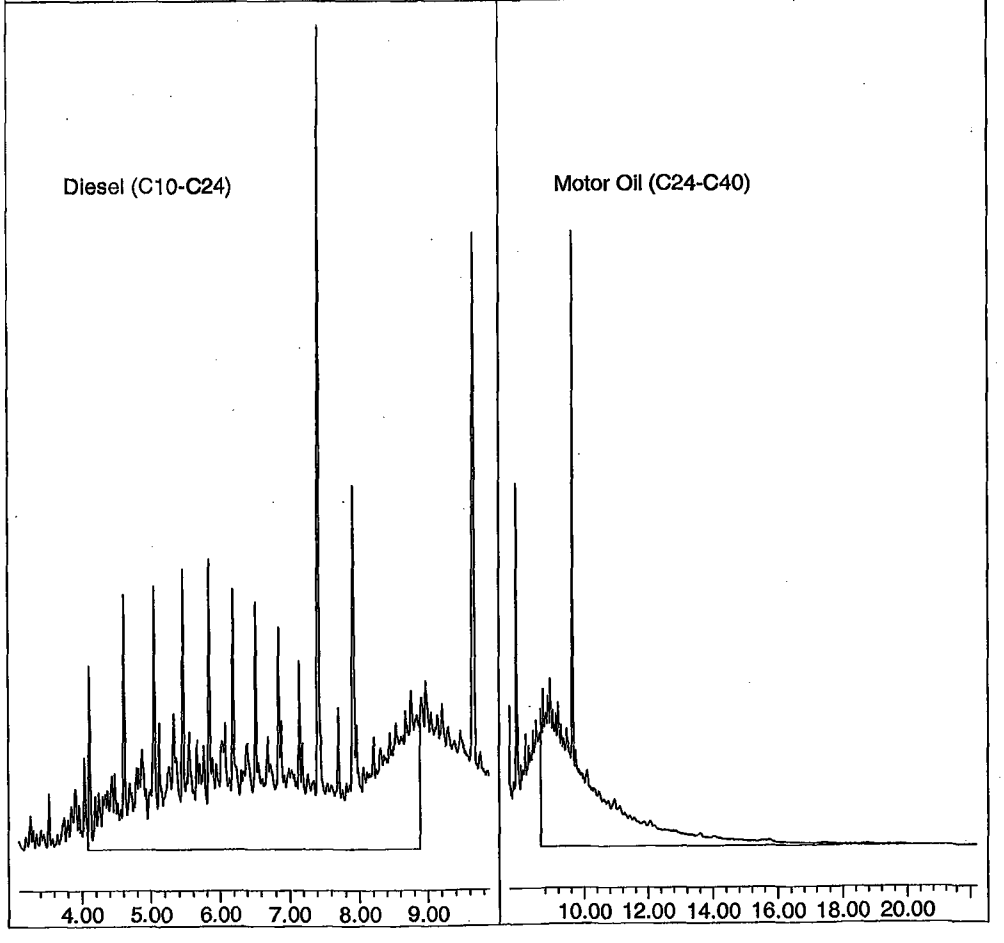
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.42	85874528	13.729 ppb
Surrogate Spike 30.000		Recovery =	45.76%
4) SA Octacosane(S)	9.65	61062951	13.501 ppb
Surrogate Spike 30.000		Recovery =	45.00%
Target Compounds			
1) HATM Diesel (C10-C24)	6.49	1397032062	277.556 ppb
2) HBTM Motor Oil (C24-C40)	14.96	965131794	274.470 ppb
Target Compounds			

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

Data File: G:\APOLLO\DATA\211117\1117106.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: 11/19/2021
Instrument: Apollo
Initial Cal. Date: 9/11/2021
Data File: 1117107.D

		Compound	MEAN	CCRF	%D	%Drift	
1	SC	Decanoic Acid(S)	1283070	1273520	0.74	SC	
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							
31							
32							
33							
34							
35							
36							
37							
38							
39							
40							
		Average			0.7		

Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\211117\1117107.D Vial: 7
Acq On : 11-19-21 11:26:58 Operator: KA
Sample : Decanoic Acid CCV 11/05/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Nov 19 18:54 2021 Quant Results File: DEC0911.RES

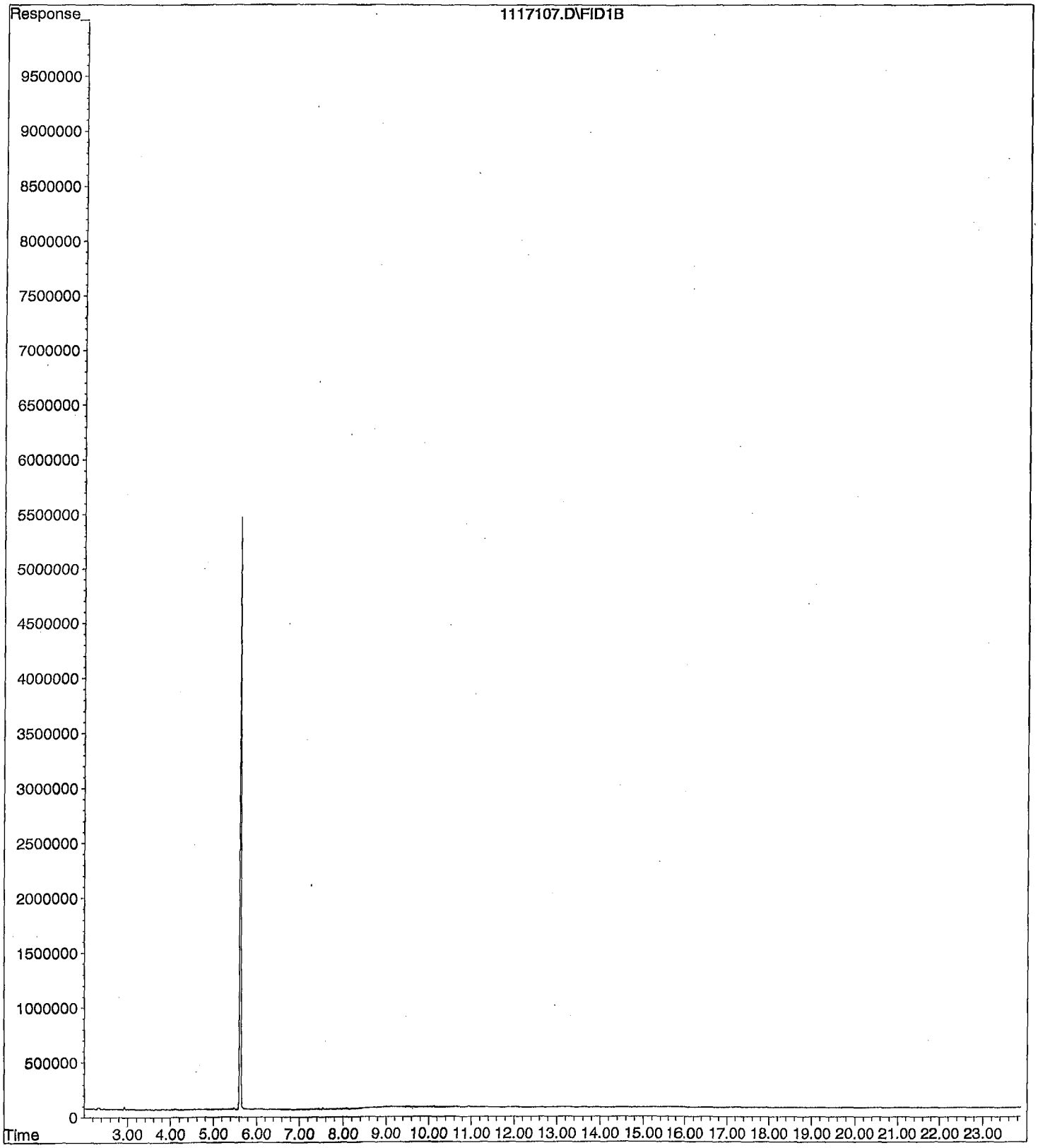
Method : G:\APOLLO\DATA\210911\DEC0911.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Fri Nov 05 10:50:06 2021
Response via : Multiple Level Calibration

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

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) SC Decanoic Acid(S)	5.63	91693244	35.732 ppb
Surrogate Spike 24.000		Recovery =	148.88%
Target Compounds			
Target Compounds			

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

File : G:\APOLLO\DATA\211117\1117107.D
Operator : KA
Acquired : 11-19-21 11:26:58 using AcqMethod TPHSN.M
Instrument : Apollo
Sample Name: Decanoic Acid CCV 11/05/21
Misc Info : water
Vial Number: 7



ORGANICS
Raw Data

Quantitation Report (QT Reviewed)

Data File : G:\APOLLO\DATA\211117\1117098.D Vial: 98
Acq On : 11-19-21 7:14:32 Operator: KA
Sample : BA46001W09 5/1020 SG Inst : Apollo
Misc : water Multiplr: 4.90
IntFile : events.e
Quant Time: Nov 19 18:50 2021 Quant Results File: DOC1028.RES

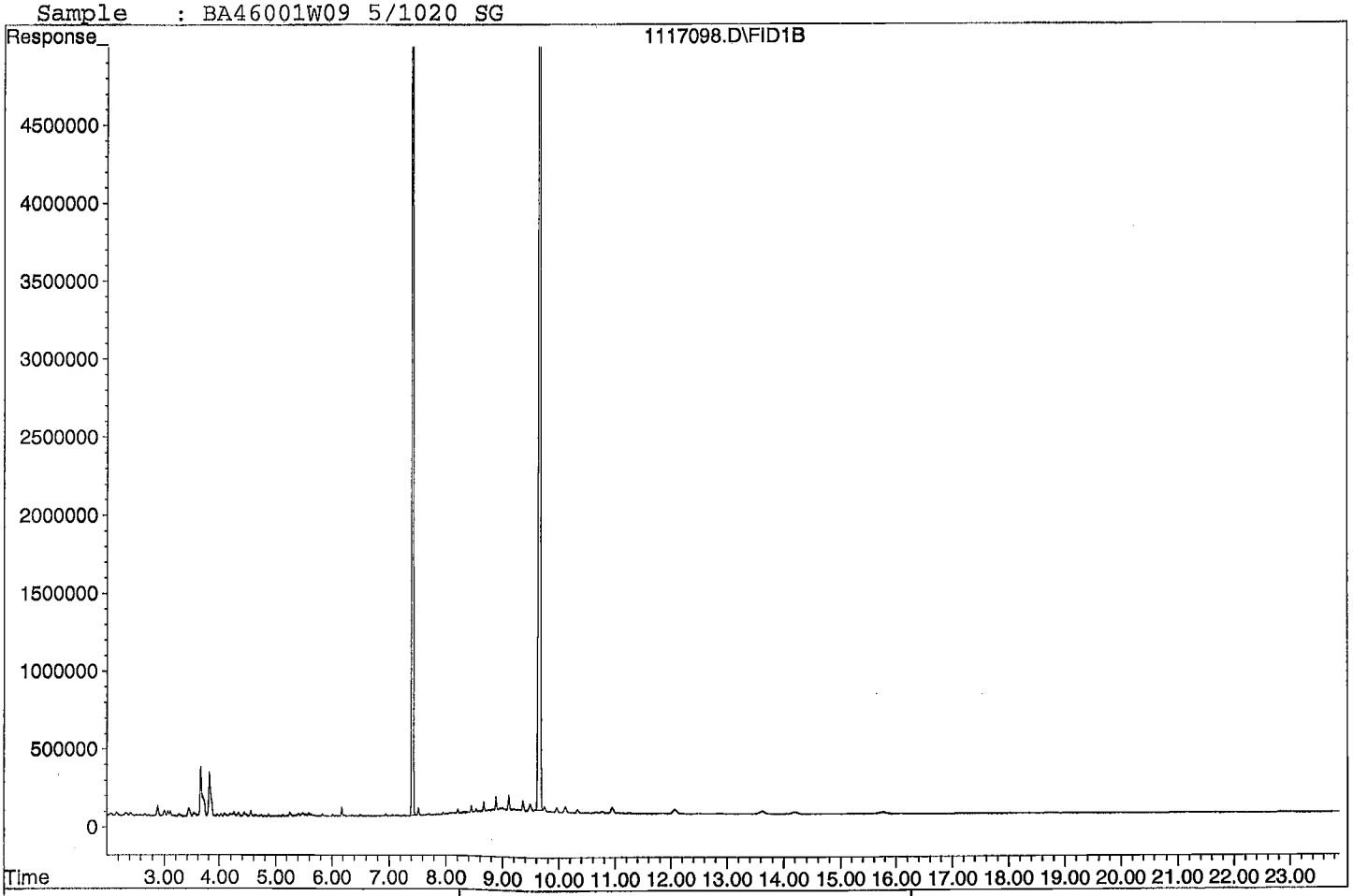
Method : G:\APOLLO\DATA\211028\DOC1028.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Nov 18 13:26:01 2021
Response via : Multiple Level Calibration

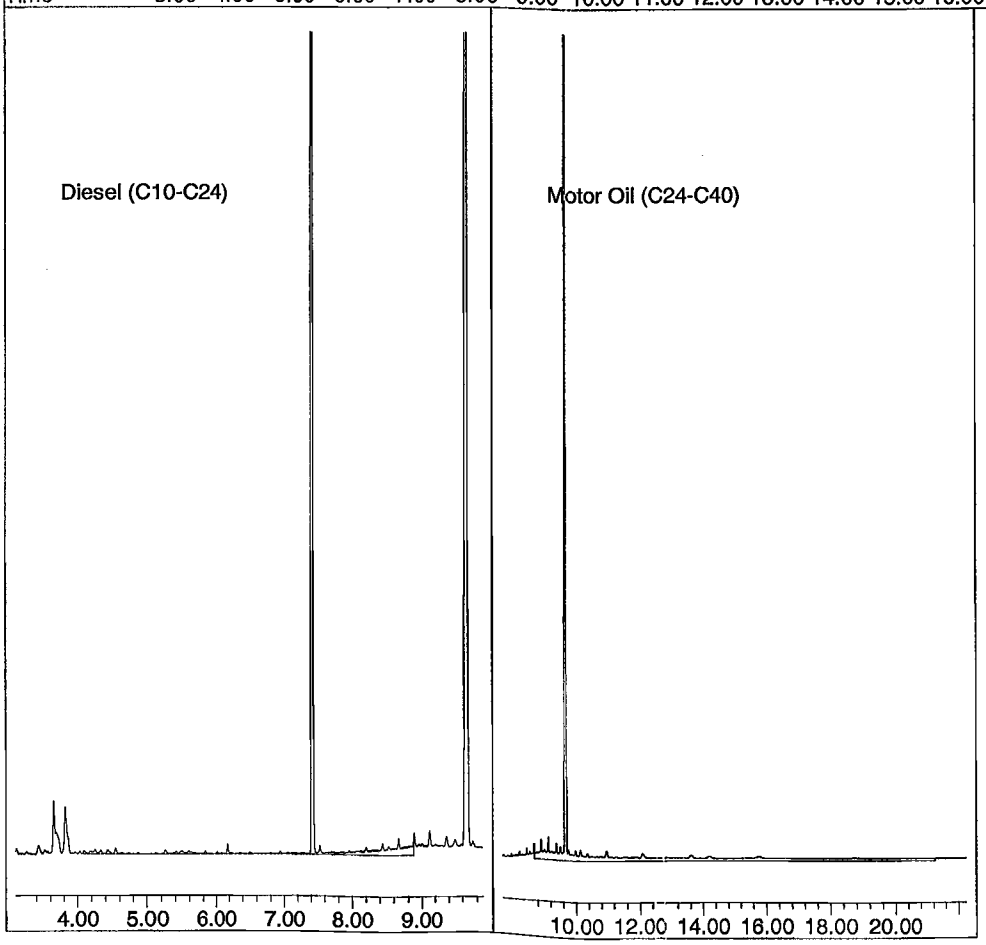
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.42	210212823	164.741 ppb
Surrogate Spike 147.059		Recovery =	112.02%
4) SA Octacosane(S)	9.66	193011303	209.189 ppb
Surrogate Spike 147.059		Recovery =	142.25%
Target Compounds			
1) HATM Diesel (C10-C24)	6.49	39409683	38.381 ppb
2) HBTM Motor Oil (C24-C40)	14.96	174115827	202.250 ppb
Target Compounds			

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

Data File: G:\APOLLO\DATA\211117\1117098.D
Sample : BA46001W09 5/1020 SG





Quantitation Report (QT Reviewed)

Data File : G:\APOLLO\DATA\211117\1117095.D Vial: 95
Acq On : 11-19-21 5:50:21 Operator: KA
Sample : 211116A BLK 5/1000 SG Inst : Apollo
Misc : water Multiplr: 5.00
IntFile : events.e
Quant Time: Nov 19 18:48 2021 Quant Results File: DOC1028.RES

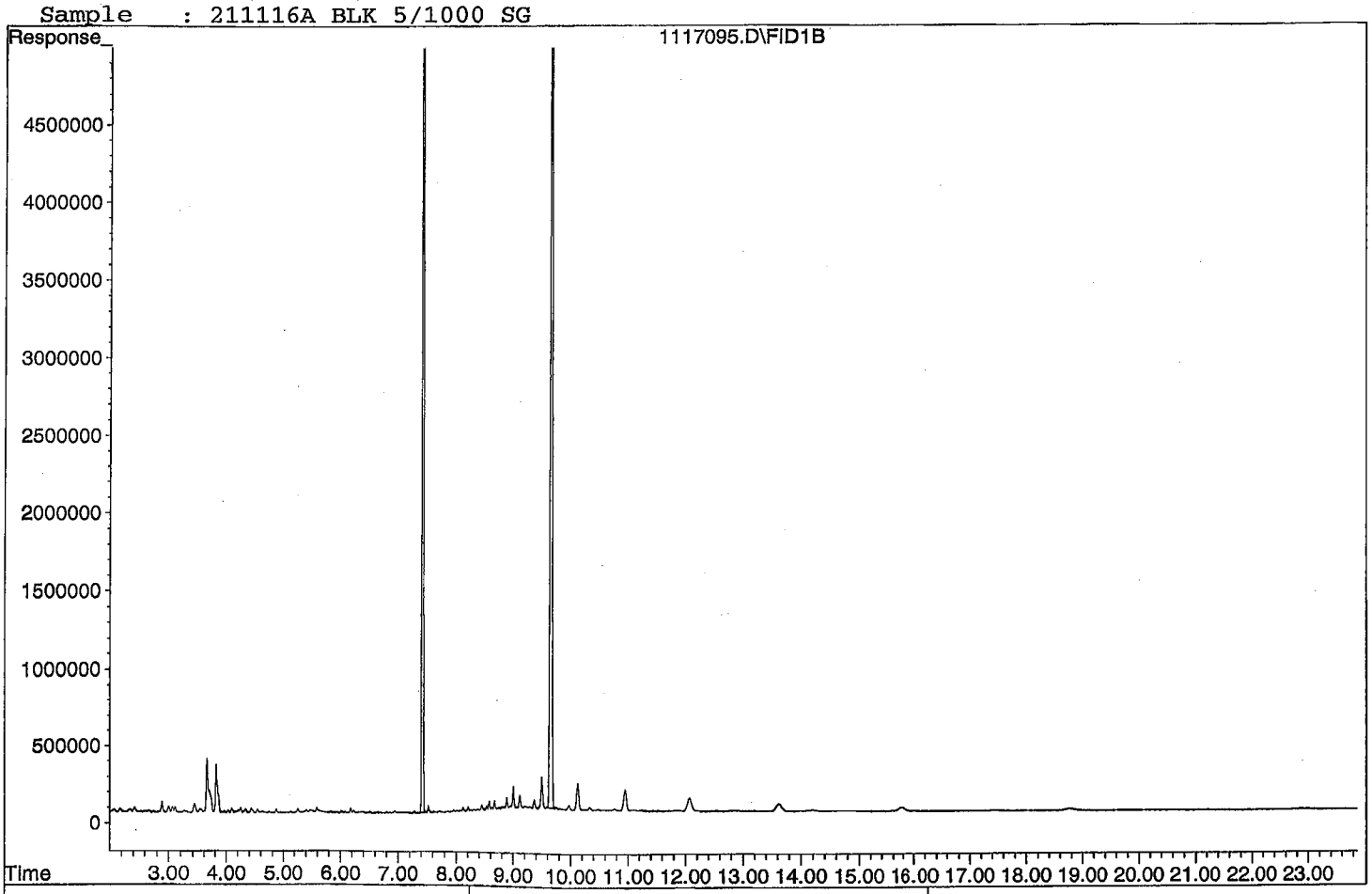
Method : G:\APOLLO\DATA\211028\DOC1028.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Nov 18 13:26:01 2021
Response via : Multiple Level Calibration

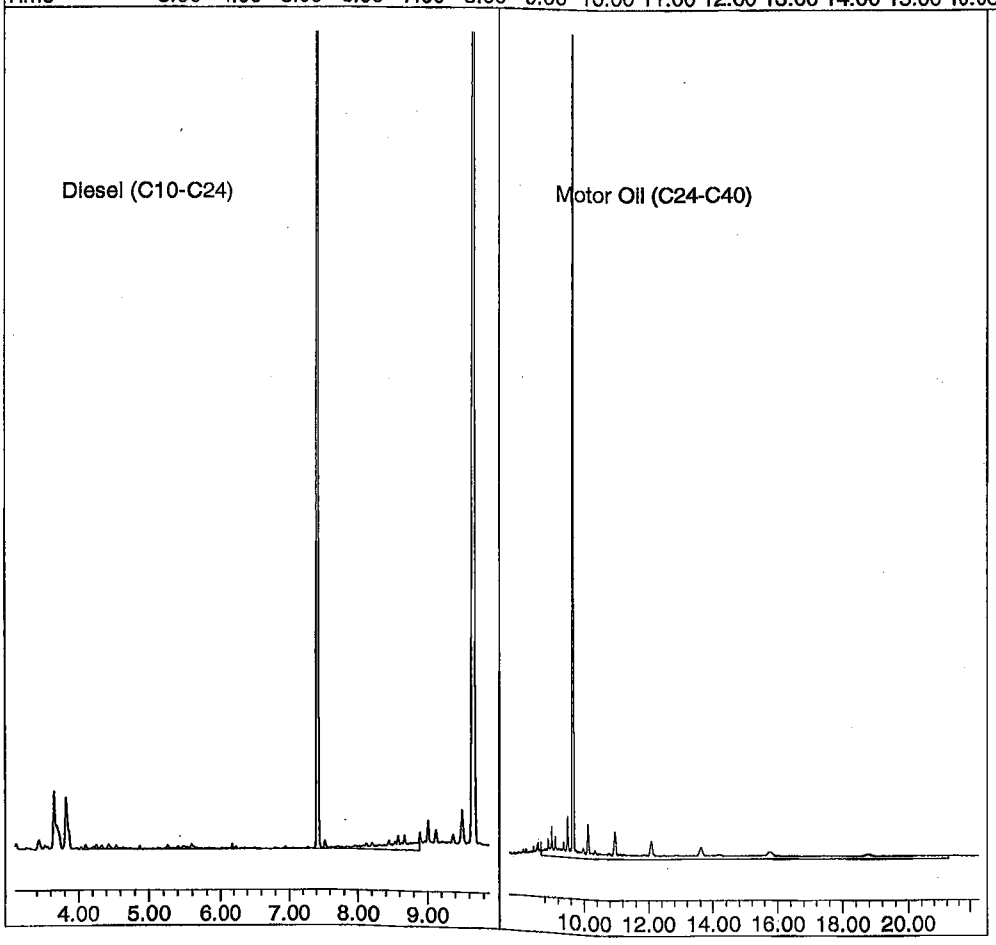
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.42	174081907	139.154 ppb
Surrogate Spike 150.000		Recovery =	92.77%
4) SA Octacosane(S)	9.65	158850860	175.609 ppb
Surrogate Spike 150.000		Recovery =	117.07%
Target Compounds			
1) HATM Diesel (C10-C24)	6.49	35745855	35.509 ppb
2) HBTM Motor Oil (C24-C40)	14.96	207302374	255.216 ppb
Target Compounds			

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

Data File: G:\APOLLO\DATA\211117\1117095.D
Sample : 211116A BLK 5/1000 SG





Quantitation Report (QT Reviewed)

Data File : G:\APOLLO\DATA\211117\1117096.D Vial: 96
Acq On : 11-19-21 6:18:24 Operator: KA
Sample : 211116A LCS-1 5/1000 SG Inst : Apollo
Misc : water Multiplr: 5.00
IntFile : events.e
Quant Time: Nov 19 18:48 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

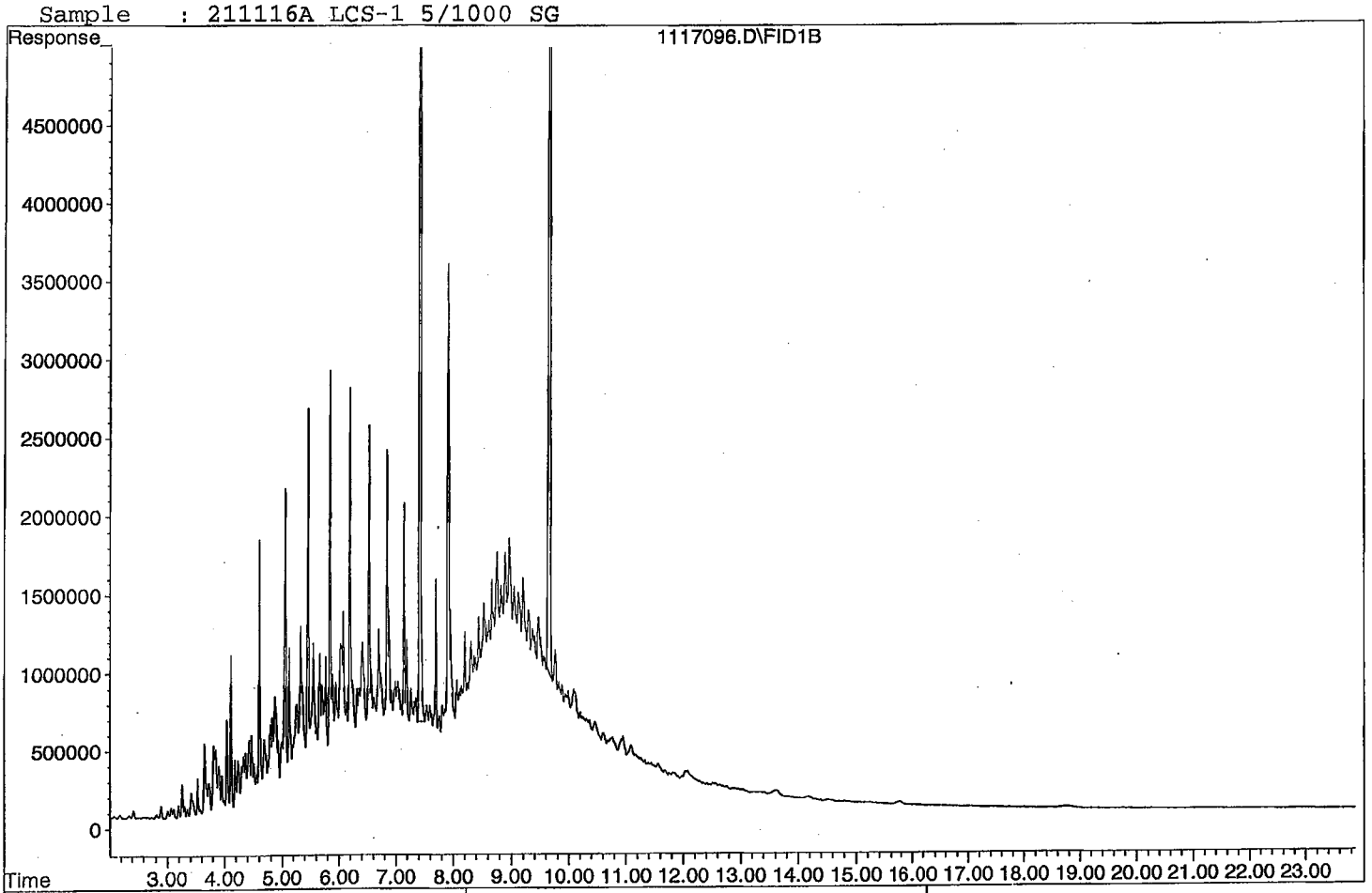
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.42	210021360	167.882 ppb
Surrogate Spike 150.000		Recovery =	111.92%
4) SA Octacosane(S)	9.66	168568257	186.352 ppb
Surrogate Spike 150.000		Recovery =	124.23%
Target Compounds			
1) HATM Diesel (C10-C24)	6.49	2317927612	2302.575 ppb
2) HBTM Motor Oil (C24-C40)	14.96	1701312018	2457.566 ppb
Target Compounds			

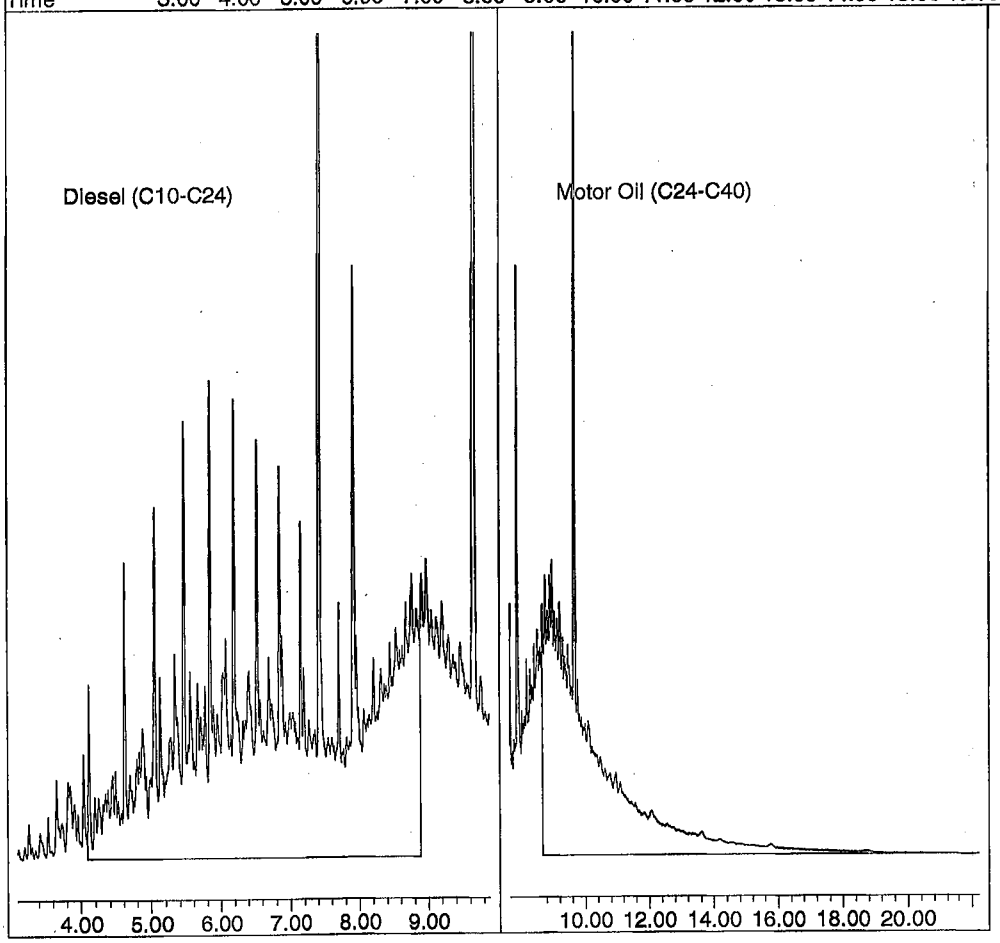
Diesel:

$$\frac{(2317927612)(5)}{(25166669)(2)} = \frac{1.16 \times 10^{10}}{5033338} = \boxed{2302.575}$$

(f)=RT Delta > 1/2 Window
1117096.D DOC1028.M Fri Nov 19 18:53:15 2021 (m)=manual int.

Data File: G:\APOLLO\DATA\211117\1117096.D
Sample : 211116A LCS-1 5/1000 SG





Quantitation Report (QT Reviewed)

Data File : G:\APOLLO\DATA\211117\1117097.D Vial: 97
Acq On : 11-19-21 6:46:28 Operator: KA
Sample : 211116A LCSD-1 5/1000 SG Inst : Apollo
Misc : water Multiplr: 5.00
IntFile : events.e
Quant Time: Nov 19 18:49 2021 Quant Results File: DOC1028.RES

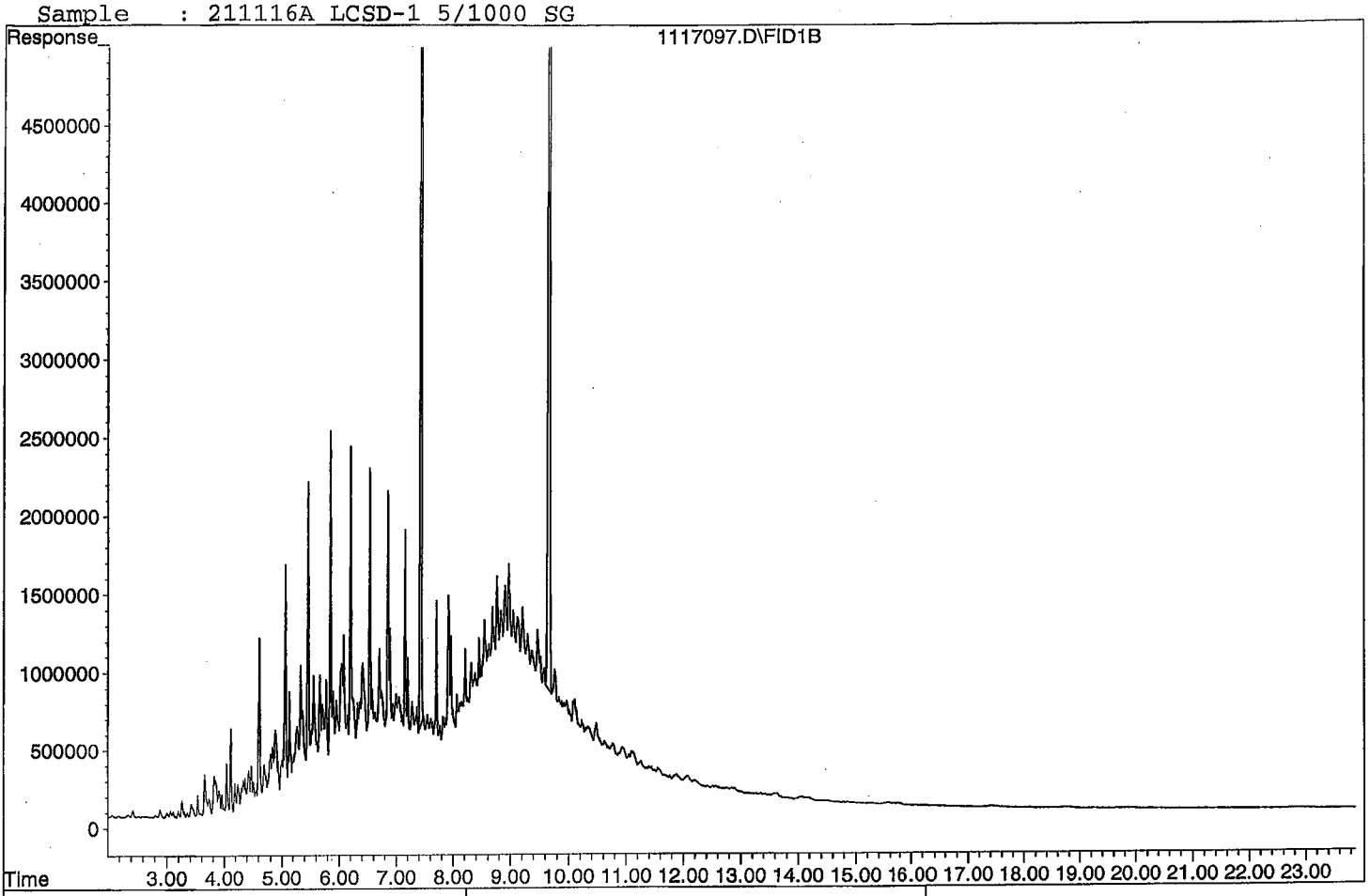
Method : G:\APOLLO\DATA\211028\DOC1028.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Nov 18 13:26:01 2021
Response via : Multiple Level Calibration

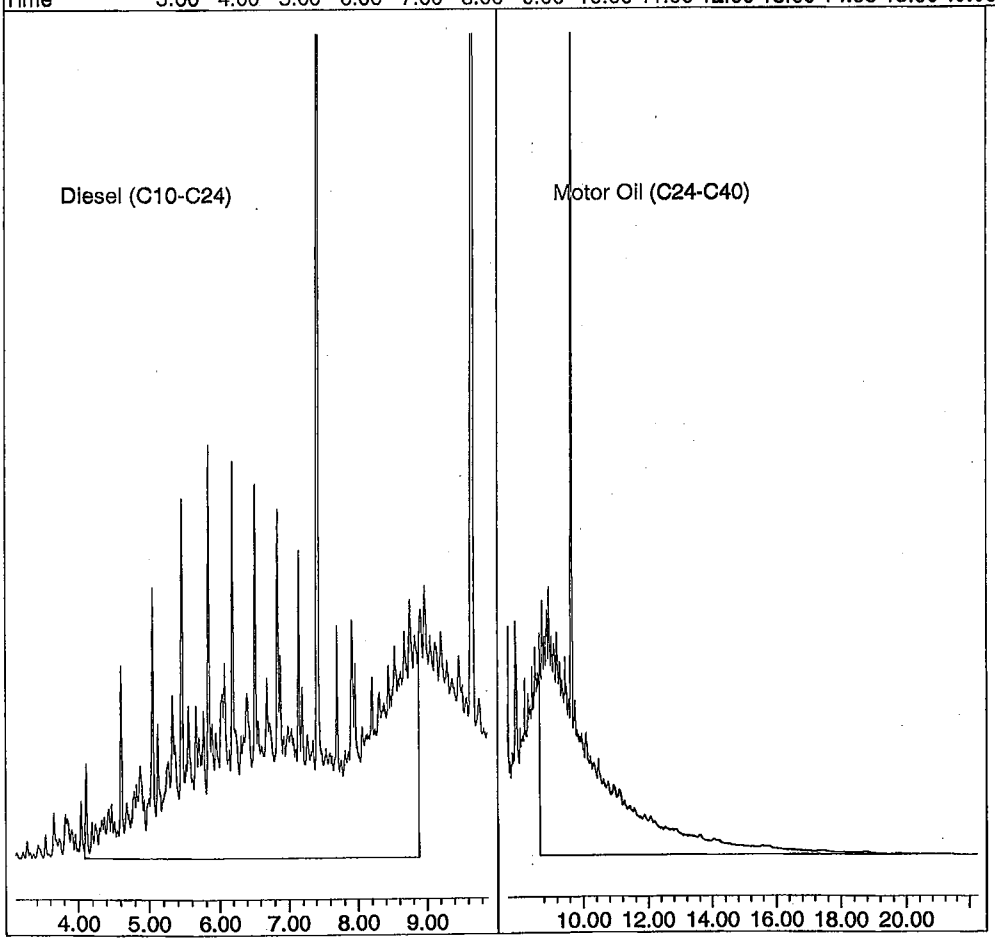
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.42	179035250	143.113 ppb
Surrogate Spike 150.000		Recovery =	95.41%
4) SA Octacosane(S)	9.66	151052759	166.988 ppb
Surrogate Spike 150.000		Recovery =	111.33%
Target Compounds			
1) HATM Diesel (C10-C24)	6.49	1953987014	1941.045 ppb
2) HBTM Motor Oil (C24-C40)	14.96	1539526870	2219.076 ppb
Target Compounds			

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

Data File: G:\APOLLO\DATA\211117\1117097.D
Sample : 211116A LCSD-1 5/1000 SG





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: 10/30/2021 **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: 11/10/2021 **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	**CL16893-52839**	**See man. 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: 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: 11/5/2021 **Prepared By (initials):** KA

Expires: 7/8/2024

Initial Standard Information							Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	Supplier Part No.	Conc. (ug/mL)	Lot Number - QA Number	Exp. Date (1 yr.)	Exp. Date (Manufacturer)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/mL)
Decanoic Acid Spike	Absolute	72766	1,000	070821-52990	See man. Exp date	7/8/2024	N/A	N/A	N/A	1,000

Organic Extraction Worksheet

Method	Continuous Liq/Liq TPH- 3520C w/SGC	Extraction Set	211116A	Extraction Method	LIQ005SGC	Units	mL

Spiked ID 1	Diesel Motor Oil Mix 10-30-21 10-31-27		Surrogate ID 1	THC Surrogate 11-10-21 11-10-22	
Spiked ID 2	Decanoic 1000ug/mL Acid Solution 11-5-21 11-5-22		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:	11/16/21 13:42	
Spiked ID 8			Ext. End Time:	11/17/21 7:48	
			GC Requires Extract By:		

pH1	2	11/16/21 12:10	Water Bath Temp 1 °C	35/34.1 °C
pH2			Water Bath Temp 2 °C	35/36.1
pH3			Water Bath Temp 3 °C	35/35.5 °C

Spiked By: SR **Date** 11/16/2021 **Witnessed By:** CG **Date** 11/16/2021

	Sample	Sample Container	Spike Amount	Spike ID	Surrogate Amount	Surrogate ID	Extract Amount	Final Volume	pH	Extract Date/Time	Comments
1	211116A Blk		0.050	2	0.250	1 equip	1000 E-HP3 E-WB1	5	2	11/16/21 12:12	*
2	211116A LCS-1		0.080,0.050	1,2	0.250	1 equip	1000 E-HP4 E-WB2	5	2	11/16/21 12:12	*
3	211116A LCSD-1		0.080,0.050	1,2	0.250	1 equip	1000 E-HP6 E-WB3	5	2	11/16/21 12:12	*
4	BA46001	BA46001W09	0.050	2	0.250	1 equip	1020 E-HP7 E-WB1	5	2	11/16/21 12:12	98213 *
5	BA46103	BA46103W09	0.050	2	0.250	1 equip	1020 E-HP8 E-WB2	5	2	11/16/21 12:12	98214 *
6	BA46105	BA46105W09	0.050	2	0.250	1 equip	1040 E-HP9 E-WB3	5	2	11/16/21 12:12	98214 *
7	BA46107	BA46107W09	0.050	2	0.250	1 equip	1050 E-HP10 E-WB1	5	2	11/16/21 12:12	98214 *
8	BA46109	BA46109W09	0.050	2	0.250	1 equip	1010 E-HP11 E-WB2	5	2	11/16/21 12:12	98214 *
9	BA46115	BA46115W09	0.050	2	0.250	1 equip	1040 E-HP12 E-WB3	5	2	11/16/21 12:12	98212 *
10	BA46116	BA46116W07	0.050	2	0.250	1 equip	1020 E-HP13 E-WB1	5	2	11/16/21 12:12	98212 *
11	BA46117	BA46117W03	0.050	2	0.250	1 equip	1020 E-HP14 E-WB2	5	2	11/16/21 12:12	98212 *

Solvent and Lot#	
1+1 HCL (5mLs)	60358
PH Strips	HC155968
Dichloromethane (DCM)	61117
Filter Paper	400202
Sodium Sulfate	2021071206
SILICA GEL (*)	050627T

Extraction COC Transfer	
Extraction lab employee Initials	KY
GC analyst's initials	KA
Date	11/18/21
Time	10:48
Refrigerator	HOBART

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

Modified	11/18/2021 7:17:39 AM

Reviewed By: KY **Date** 11/18/2021

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	92	1117092.D	1	DMO LVL 4 CCV 10/27/21	water	11-19-21 4:26:09
16	93	1117093.D	1	Decanoic Acid CCV 11/05/21	water	11-19-21 4:54:12
17	95	1117095.D	5	211116A BLK 5/1000 SG	water	11-19-21 5:50:21
18	96	1117096.D	5	211116A LCS-1 5/1000 SG	water	11-19-21 6:18:24
19	97	1117097.D	5	211116A LCSD-1 5/1000 SG	water	11-19-21 6:46:28
20	98	1117098.D	4.90196	BA46001W09 5/1020 SG	water	11-19-21 7:14:32
21	6	1117106.D	1	DMO LVL 4 CCV 10/27/21	water	11-19-21 10:58:57
22	7	1117107.D	1	Decanoic Acid CCV 11/05/21	water	11-19-21 11:26:58

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

			1028003.D	1028004.D	1028005.D	1028006.D	1028007.D	1028008.D	1028009.D								
		Compound	1	2	3	4	5	6	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		
5																	
6																	
7																	
8																	
9																	
10																	
11																	
12																	
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	
25																	
26																	
27																	
28																	
29																	
30																	
31																	
32																	
33																	
34																	
35																	

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

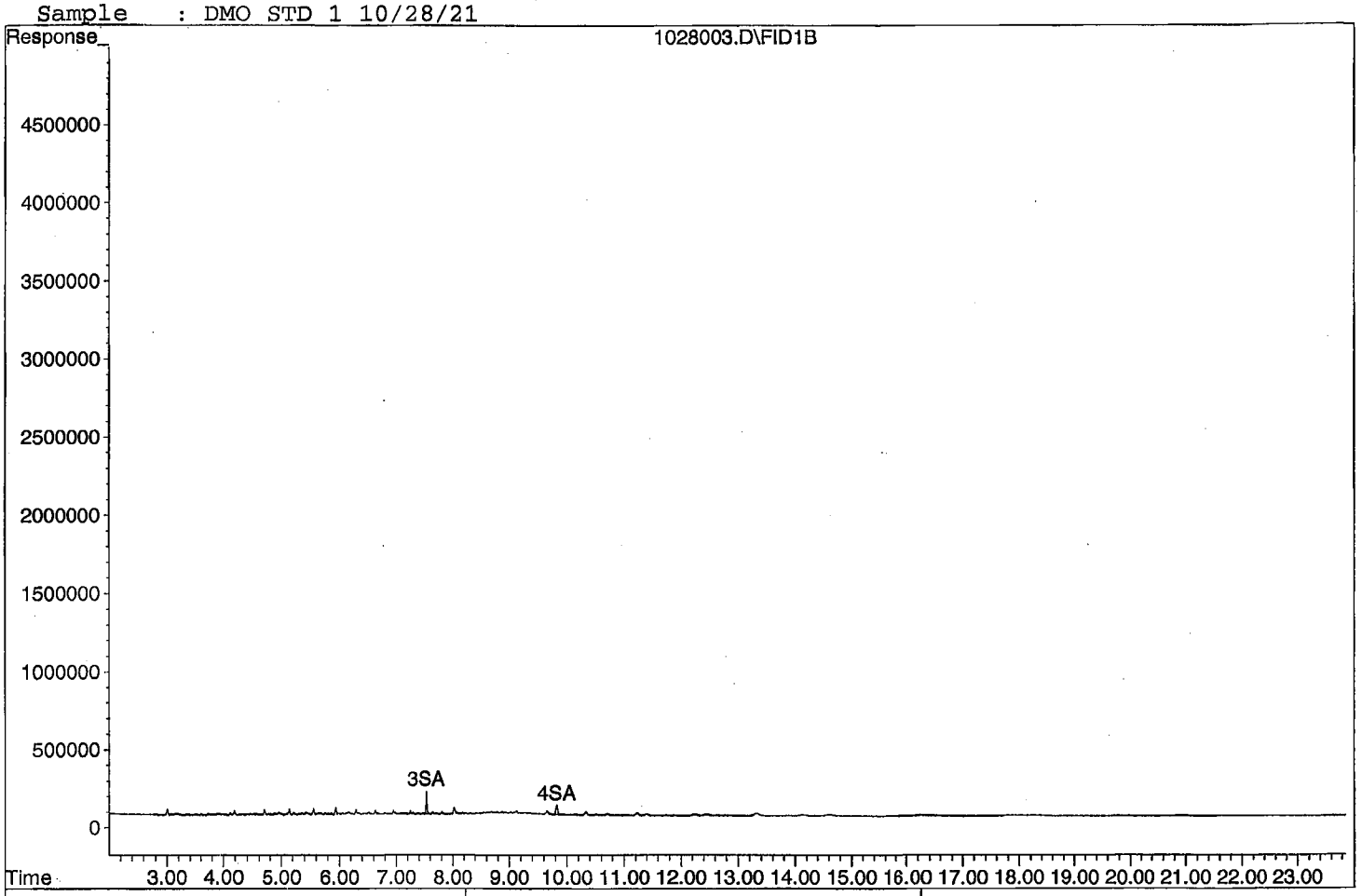
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

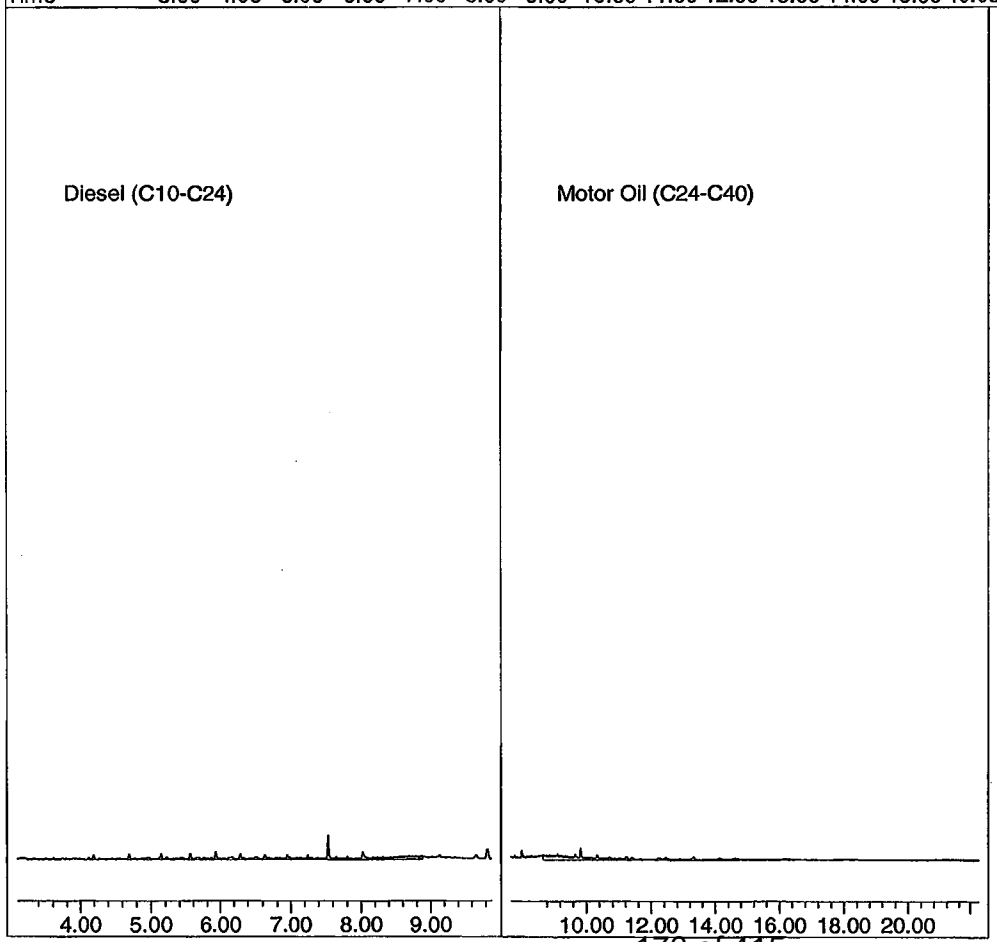
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.53	1818617	0.291 ppb
Surrogate Spike 30.000	Recovery =		0.97%
4) SA Octacosane(S)	9.82	1234601	0.273 ppb
Surrogate Spike 30.000	Recovery =		0.91%
Target Compounds			
1) HATM Diesel (C10-C24)	6.49	29838086	5.928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

(f)=RT Delta > 1/2 Window (m)=manual int.
1028003.D DOC1028.M Thu Oct 28 15:42:29 2021 Page 1

Quantitation Report

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

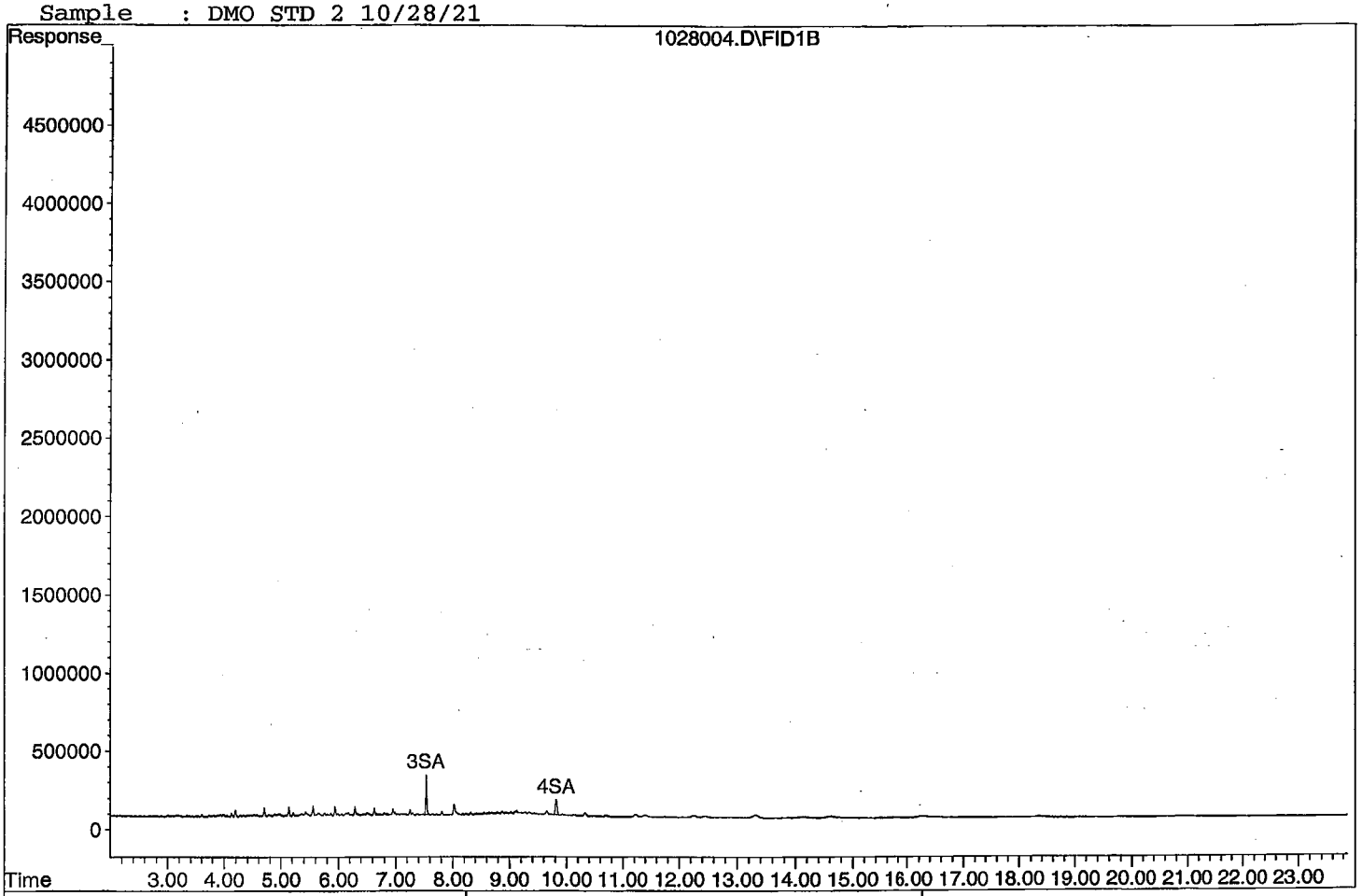
Method : G:\APOLLO\DATA\211028\DOC1028.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Oct 28 15:39:11 2021
Response via : Multiple Level Calibration

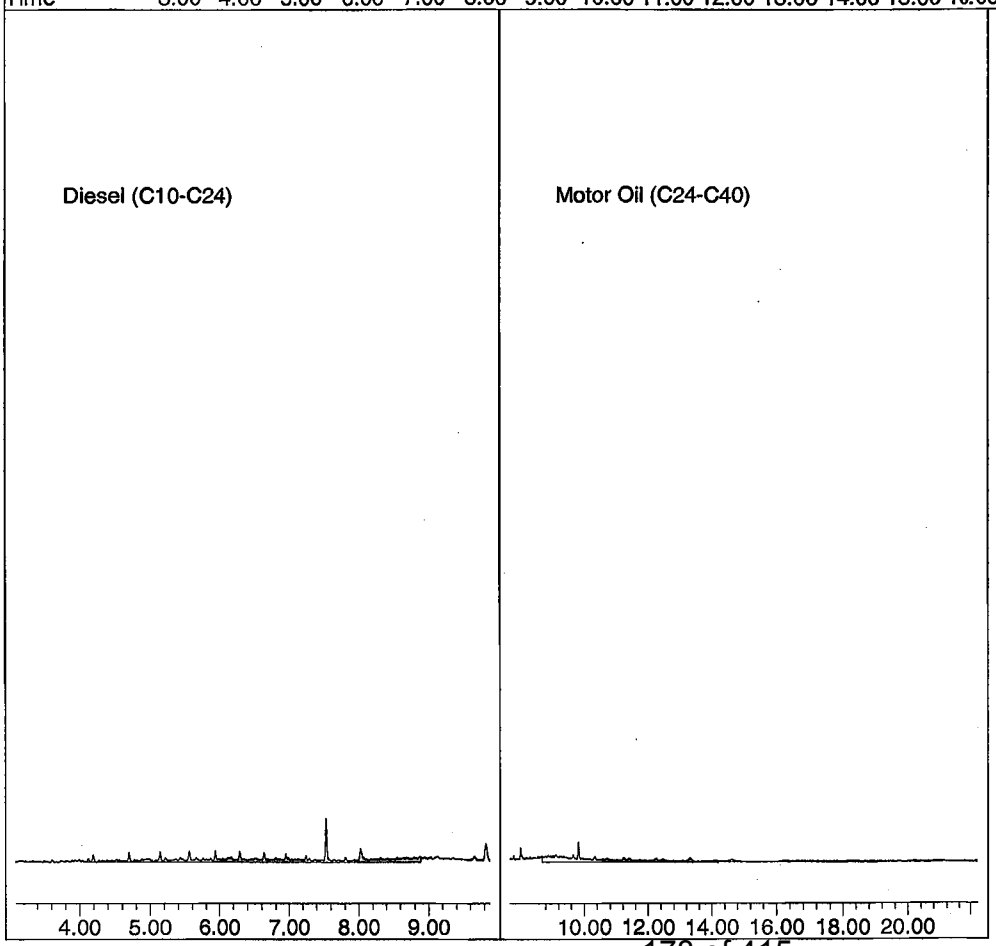
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

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			

Quantitation Report

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

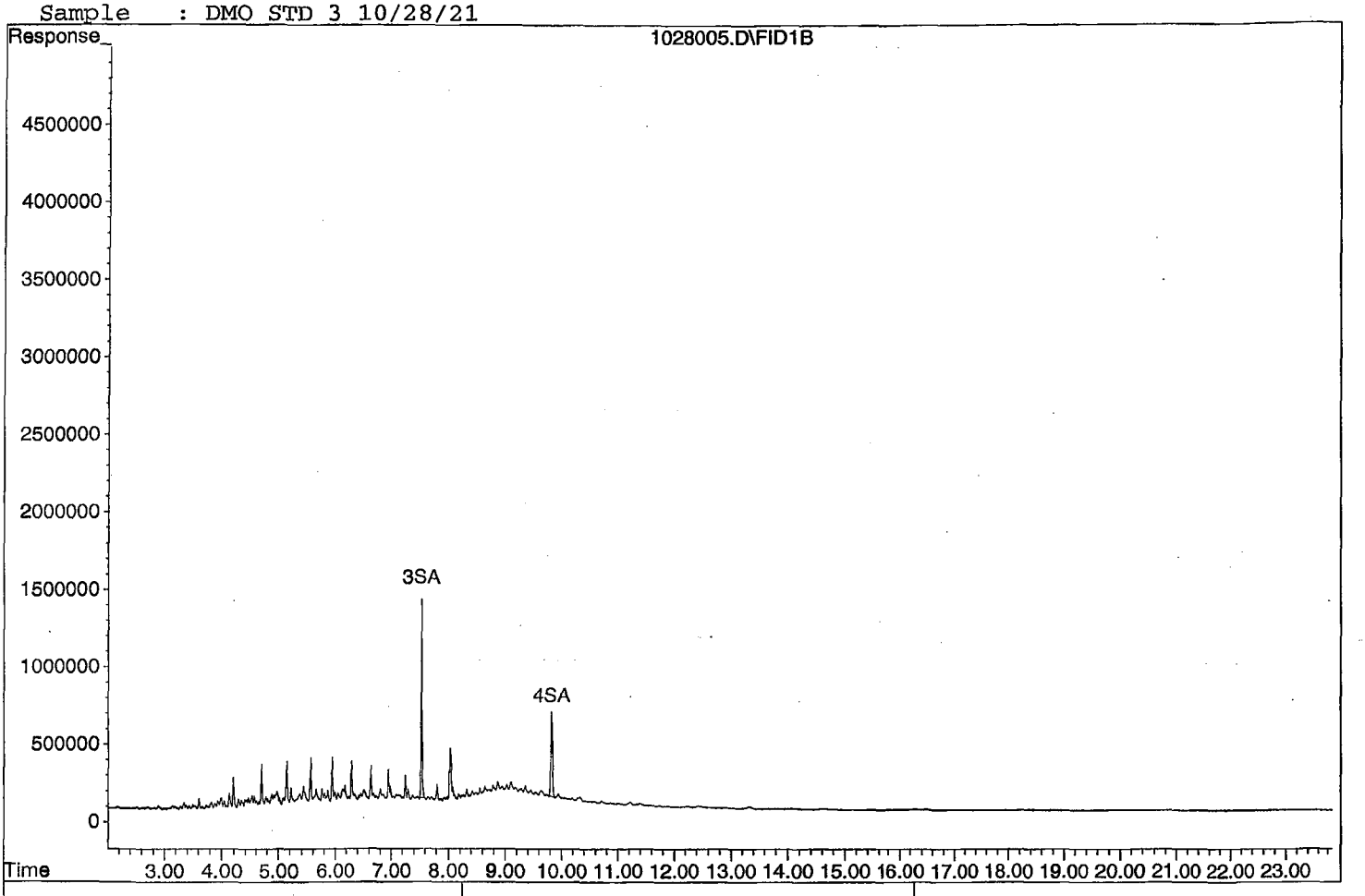
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

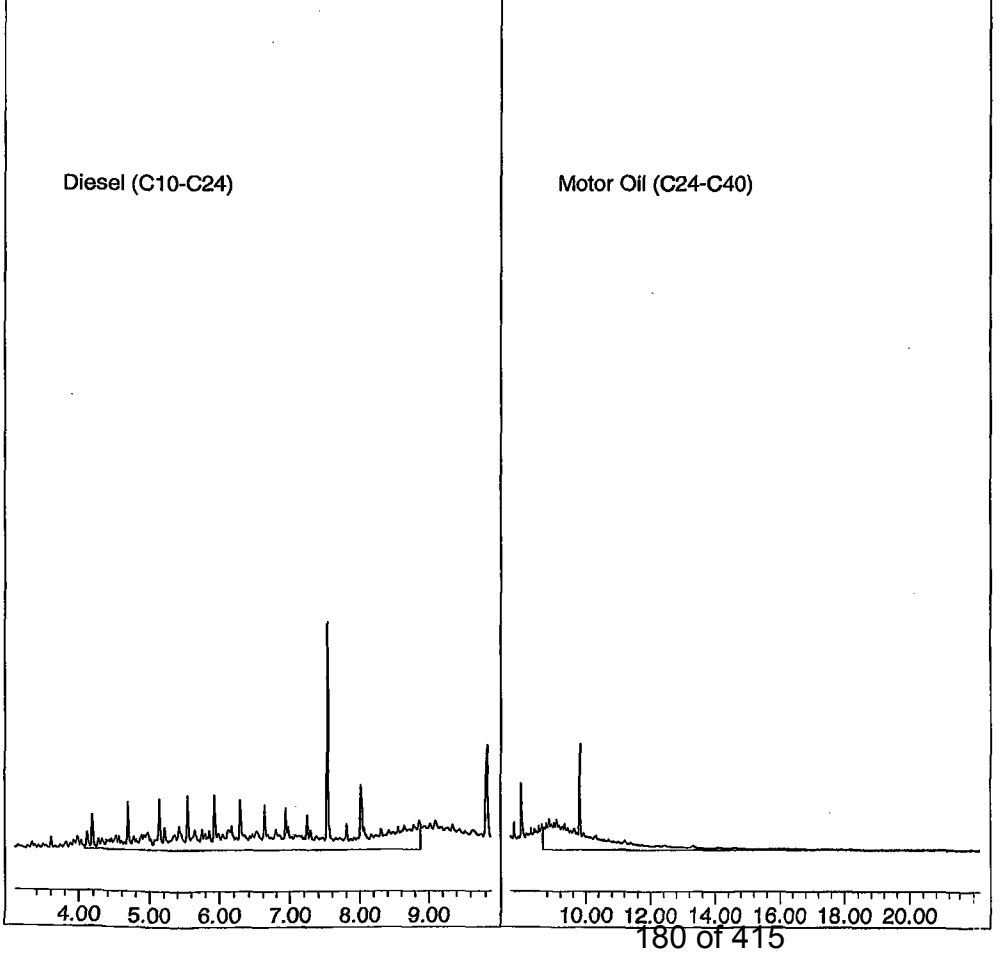
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.53	15599382	2.494 ppb
Surrogate Spike 30.000	Recovery =		8.31%
4) SA Octacosane(S)	9.82	11432050	2.528 ppb
Surrogate Spike 30.000	Recovery =		8.43%
Target Compounds			
1) HATM Diesel (C10-C24)	6.49	251787231	50.024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

Target Compounds

(f)=RT Delta > 1/2 Window (m)=manual int.
1028005.D DOC1028.M Thu Oct 28 15:42:32 2021 Page 1

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





1028005.D DOC1028.M Thu Oct 28 15:42:33 2021

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

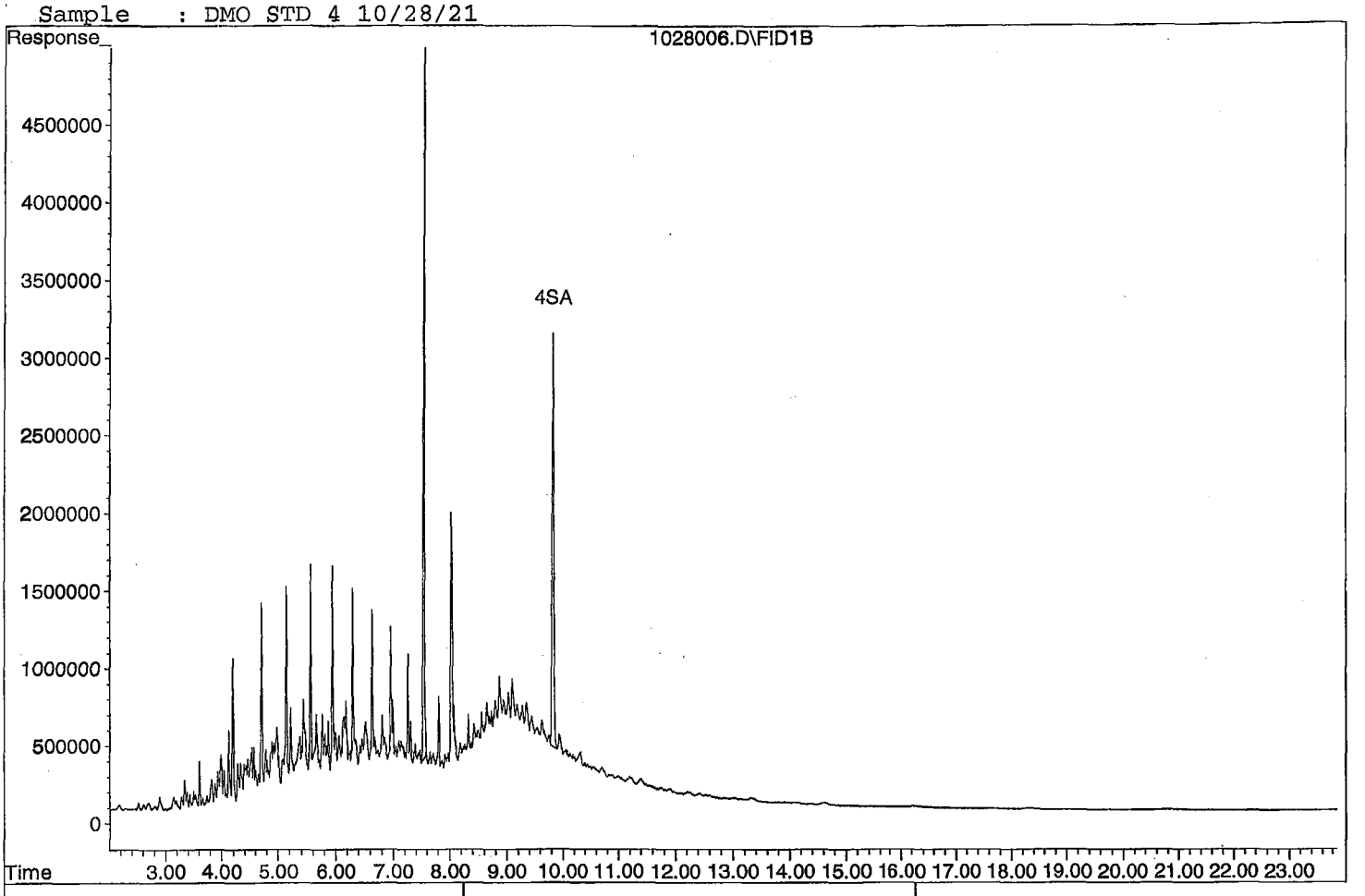
Method : G:\APOLLO\DATA\211028\DOC1028.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Oct 28 15:39:11 2021
Response via : Multiple Level Calibration

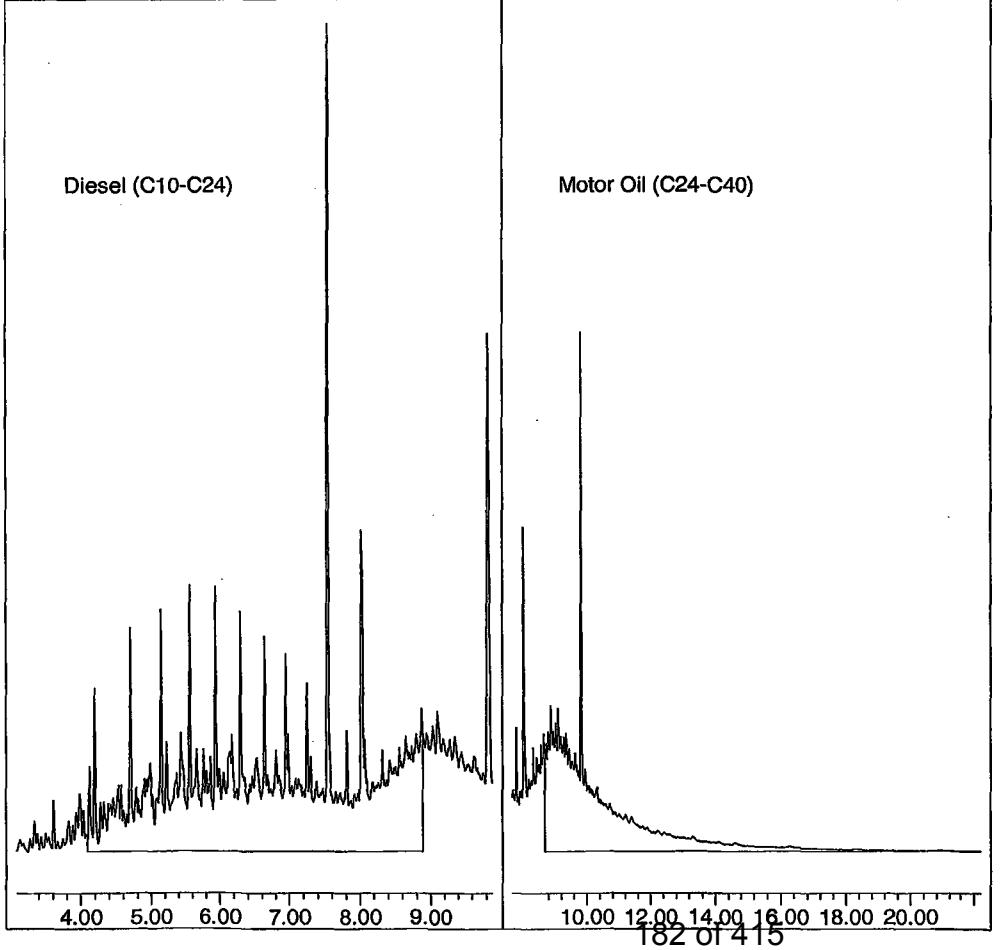
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

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.
1028006.D DOC1028.M Thu Oct 28 15:42:34 2021 Page 1

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

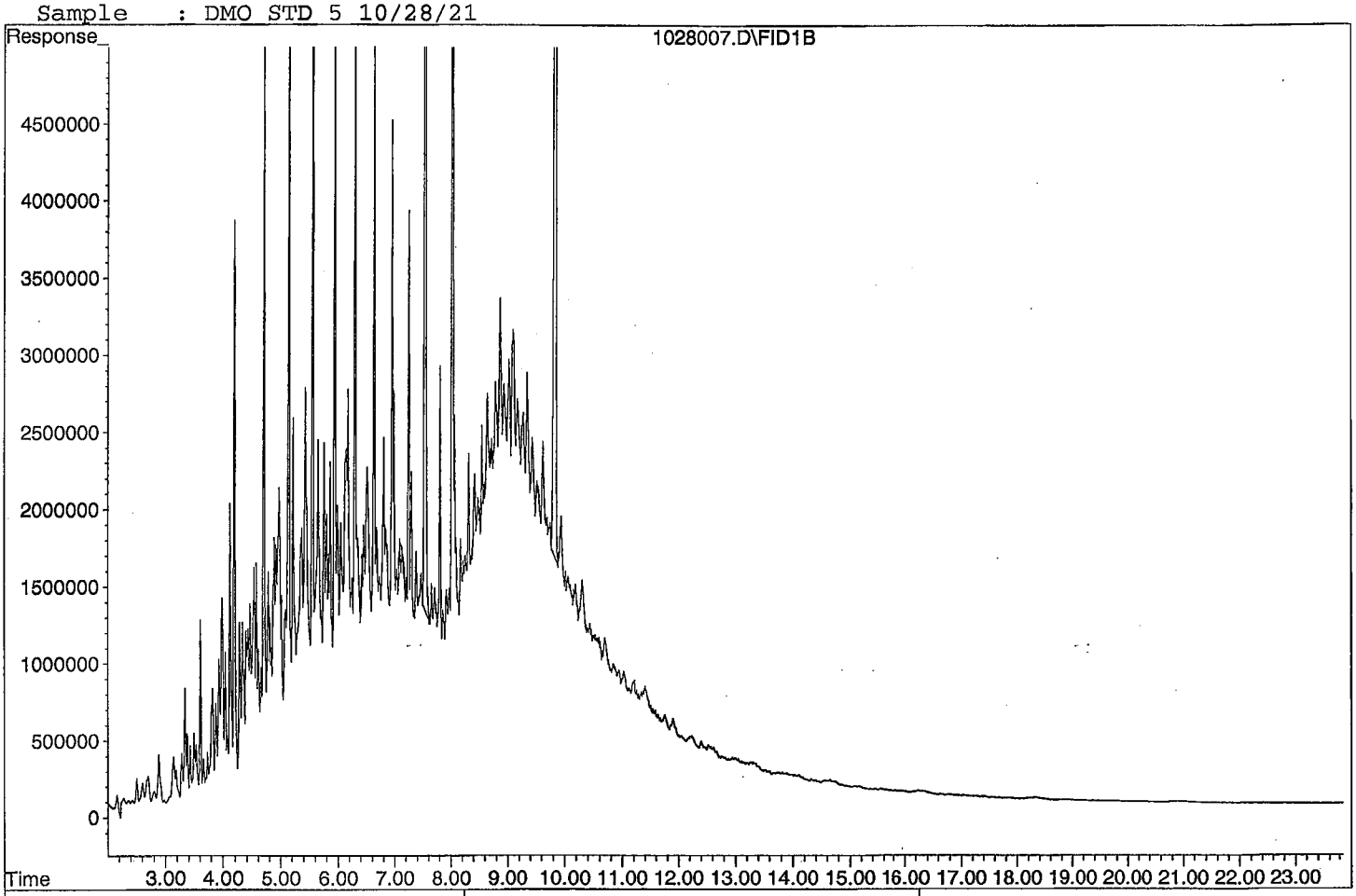
Method : G:\APOLLO\DATA\211028\DOC1028.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Oct 28 15:39:11 2021
Response via : Multiple Level Calibration

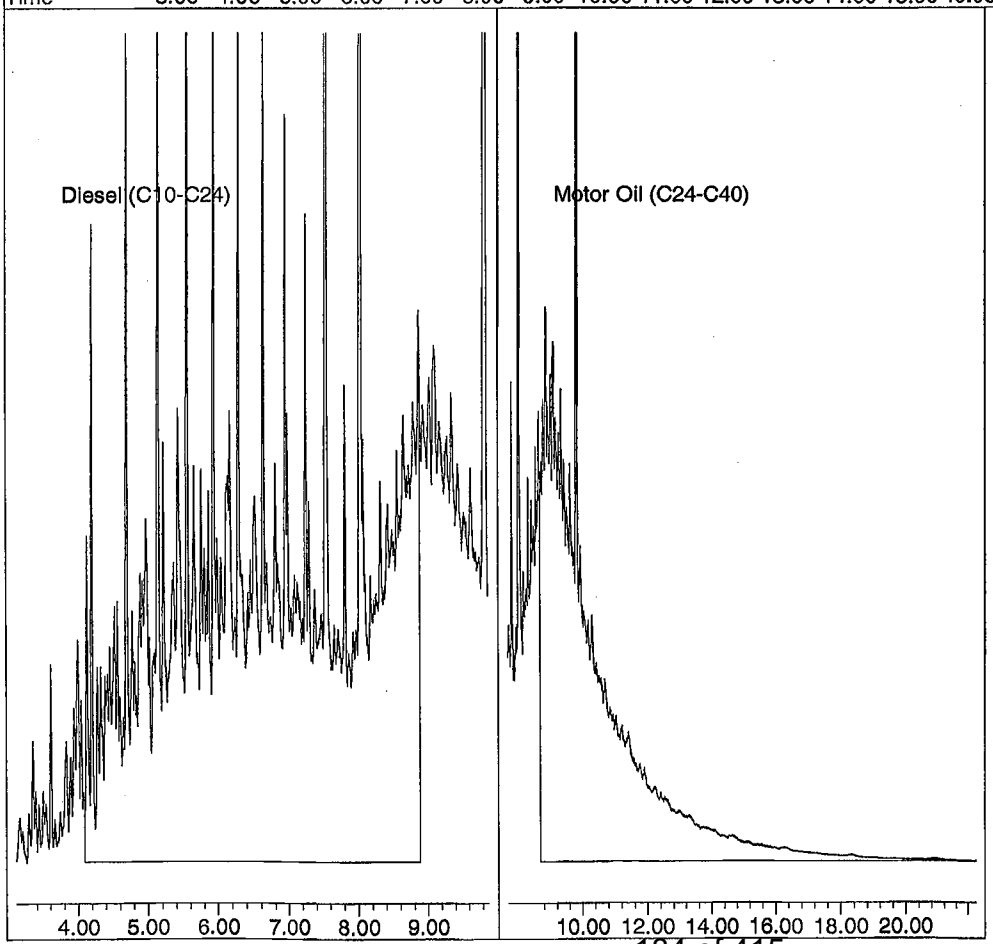
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

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			

Quantitation Report

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

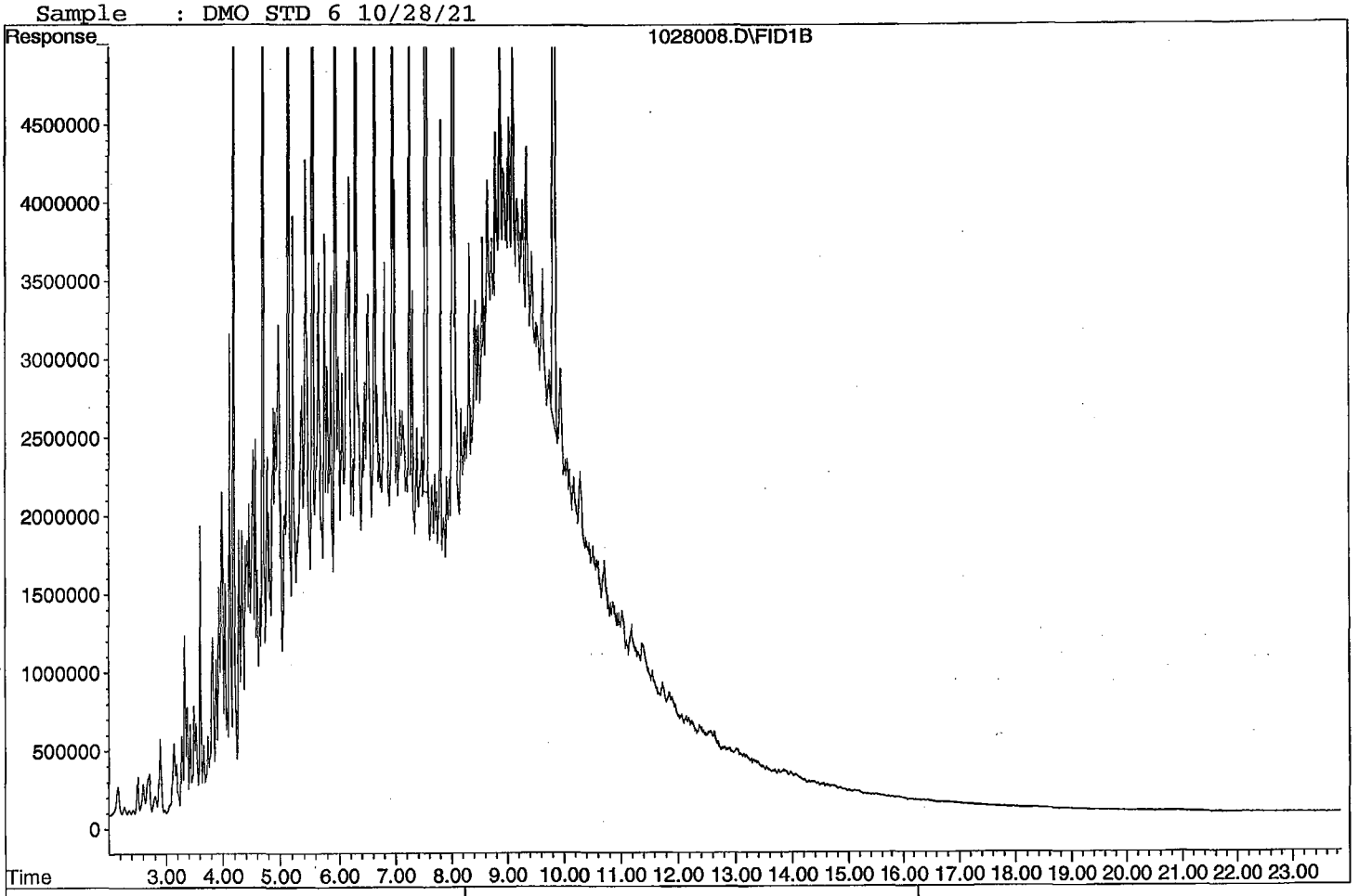
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

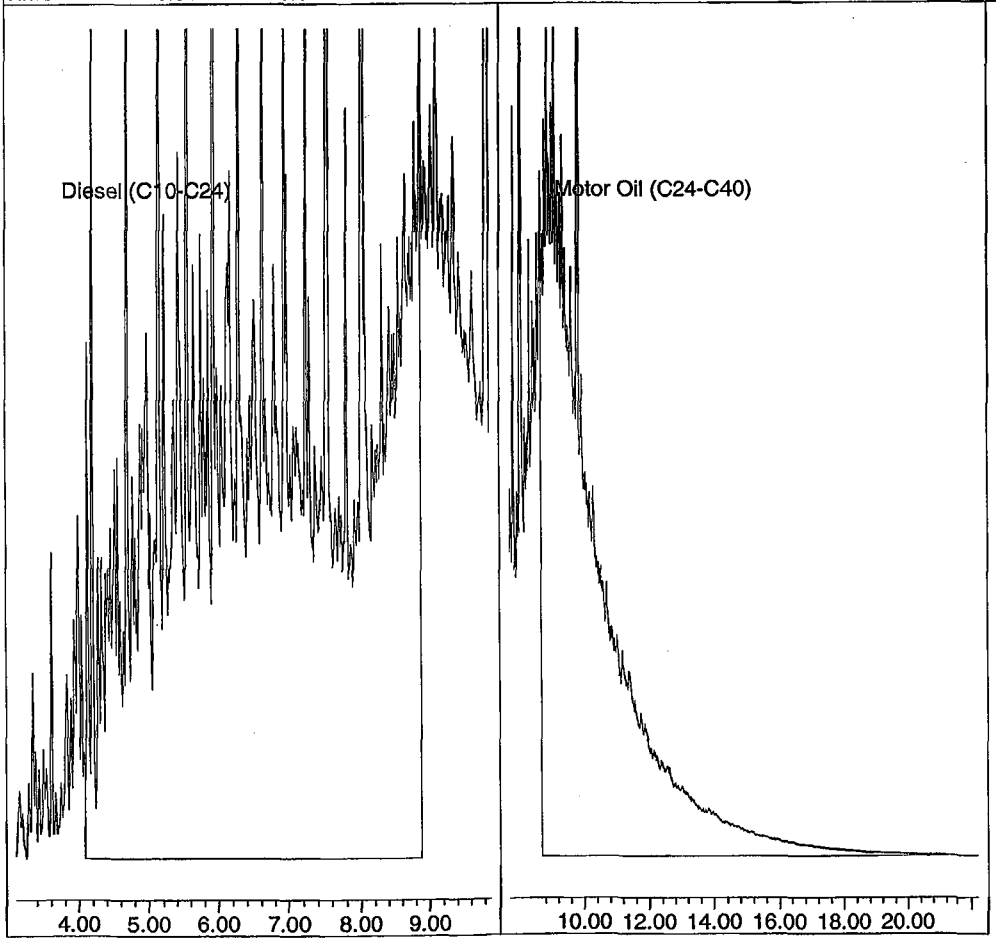
Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
3) SA Ortho-Terphenyl(S)	7.54	435798382	69.672	ppb
Surrogate Spike 30.000	Recovery =		232.24%	
4) SA Octacosane(S)	9.84	325688048	72.009	ppb
Surrogate Spike 30.000	Recovery =		240.03%	
Target Compounds				
1) HATM Diesel (C10-C24)	6.49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

Target Compounds

(f)=RT Delta > 1/2 Window (m)=manual int.
1028008.D DOC1028.M Thu Oct 28 15:42:38 2021 Page 1

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

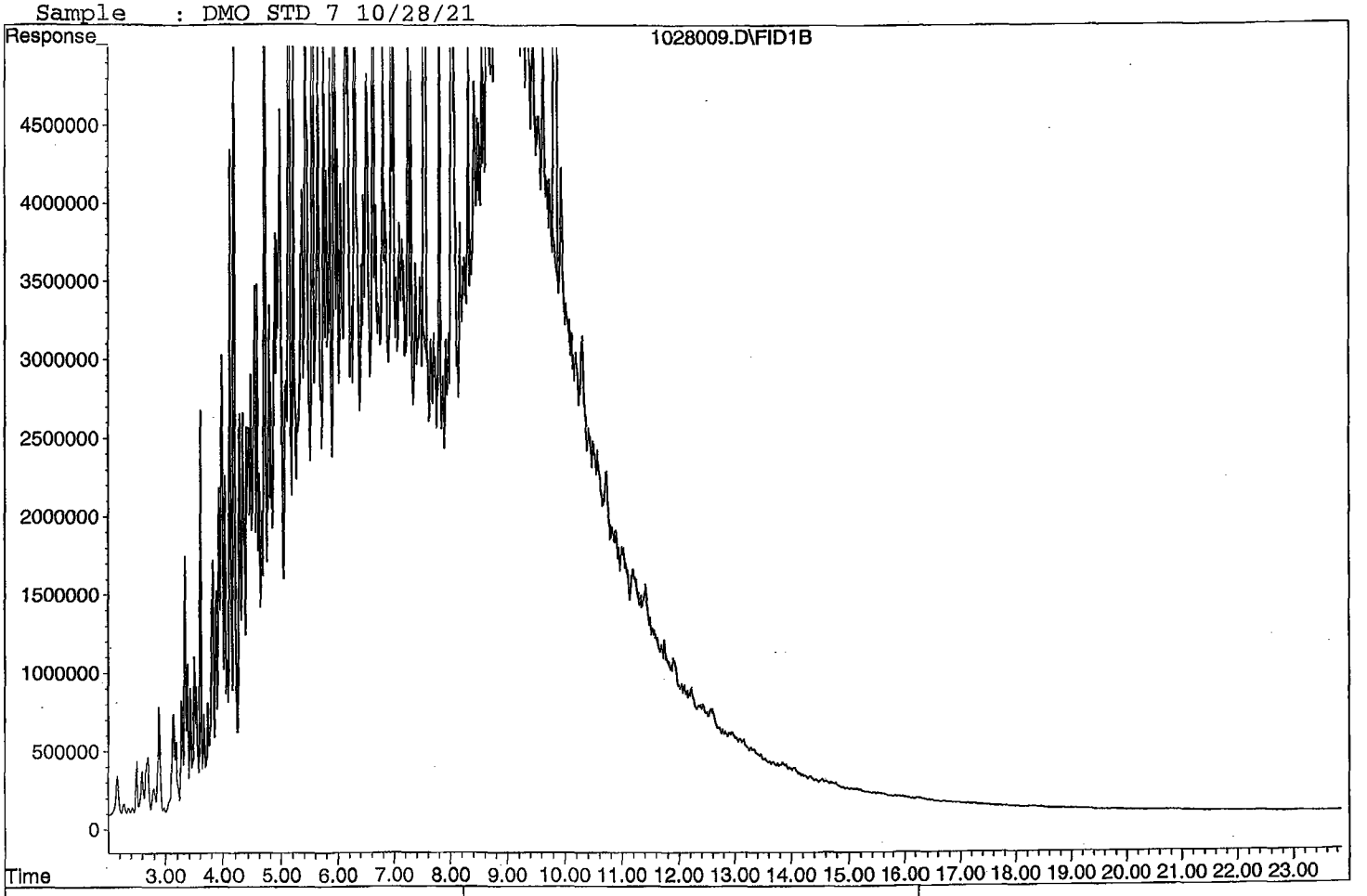
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

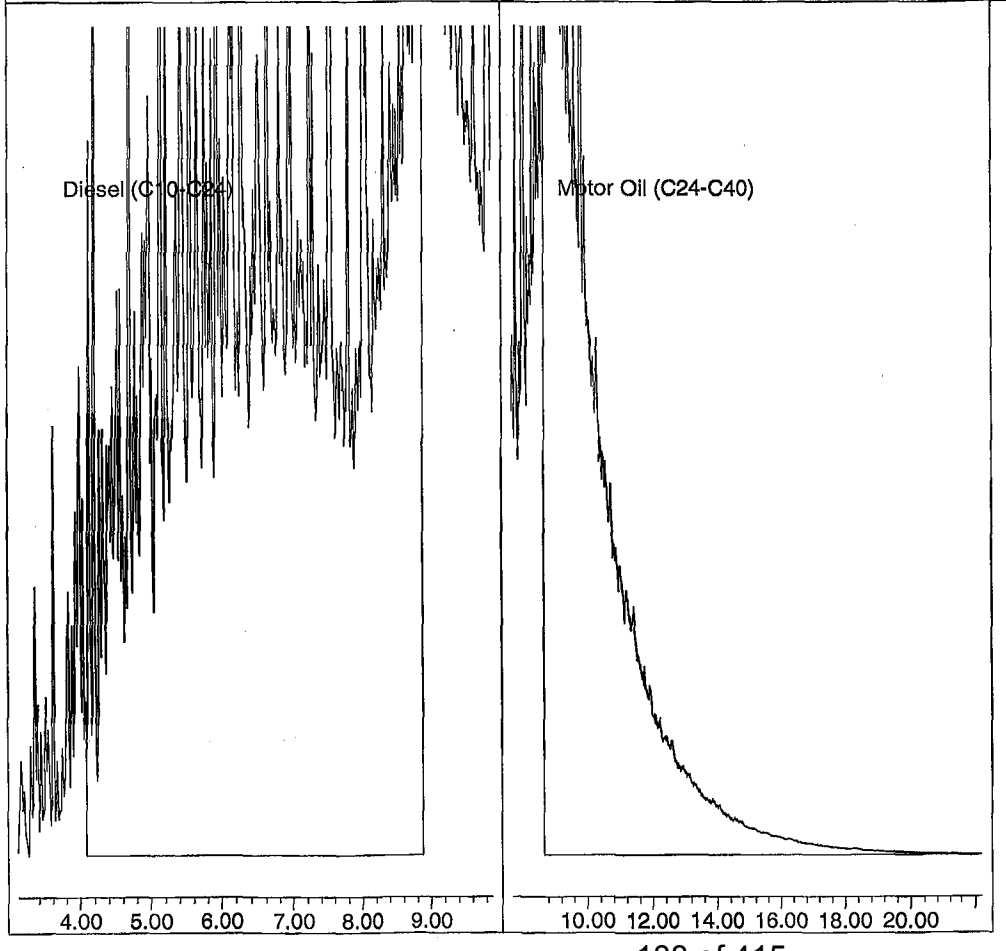
Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
3) SA Ortho-Terphenyl(S)	7.54	617758709	98.762	ppb
Surrogate Spike 30.000		Recovery =	329.21%	
4) SA Octacosane(S)	9.85	457331573	101.116	ppb
Surrogate Spike 30.000		Recovery =	337.05%	
Target Compounds				
1) HATM Diesel (C10-C24)	6.49	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.
1028009.D DOC1028.M Thu Oct 28 15:42:40 2021 Page 1

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
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							
31							
32							
33							
34							
35							
36							
37							
38							
39							
40							
		Average			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

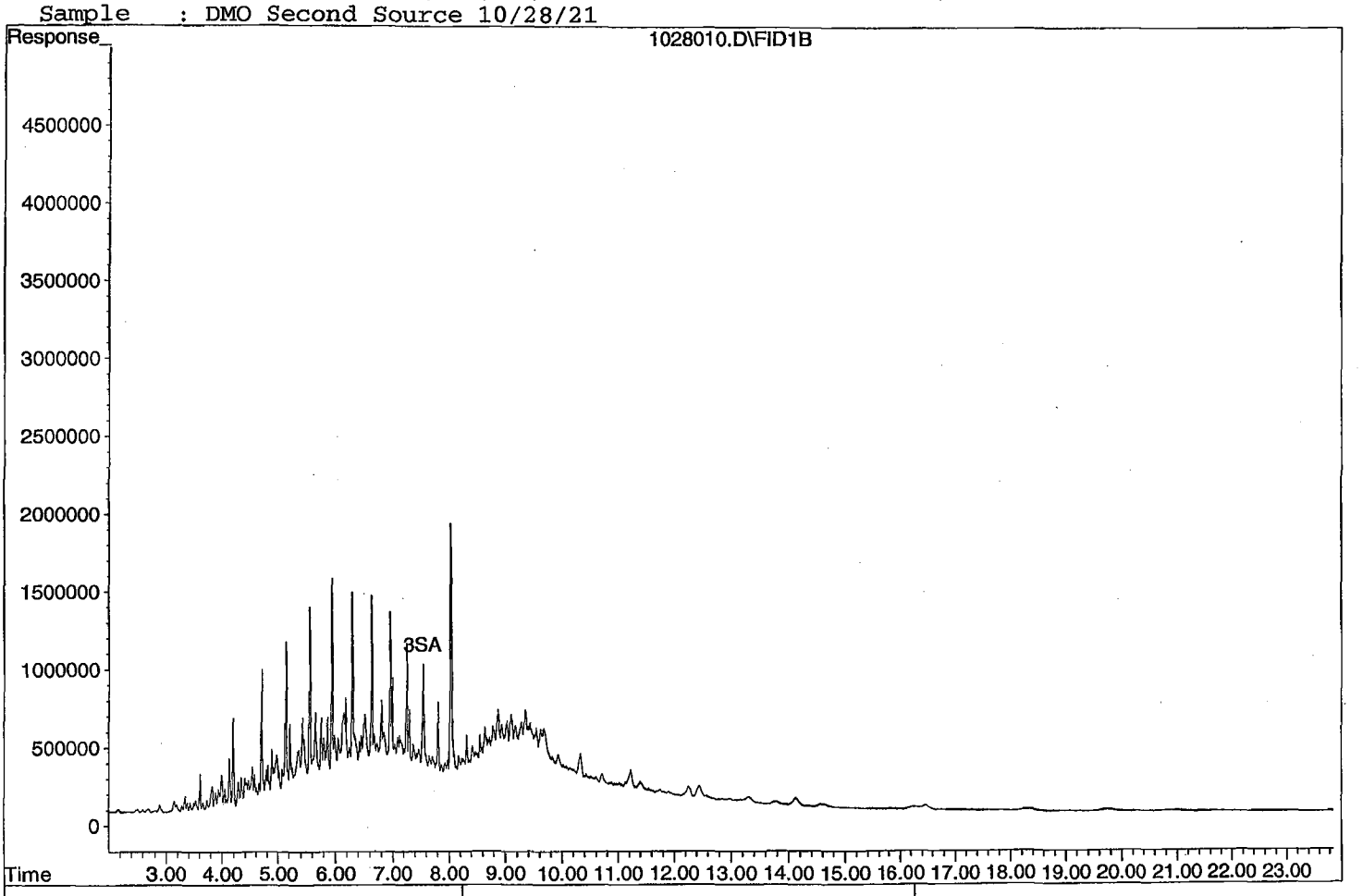
Method : G:\APOLLO\DATA\211028\DOC1028.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Oct 28 15:39:11 2021
Response via : Multiple Level Calibration

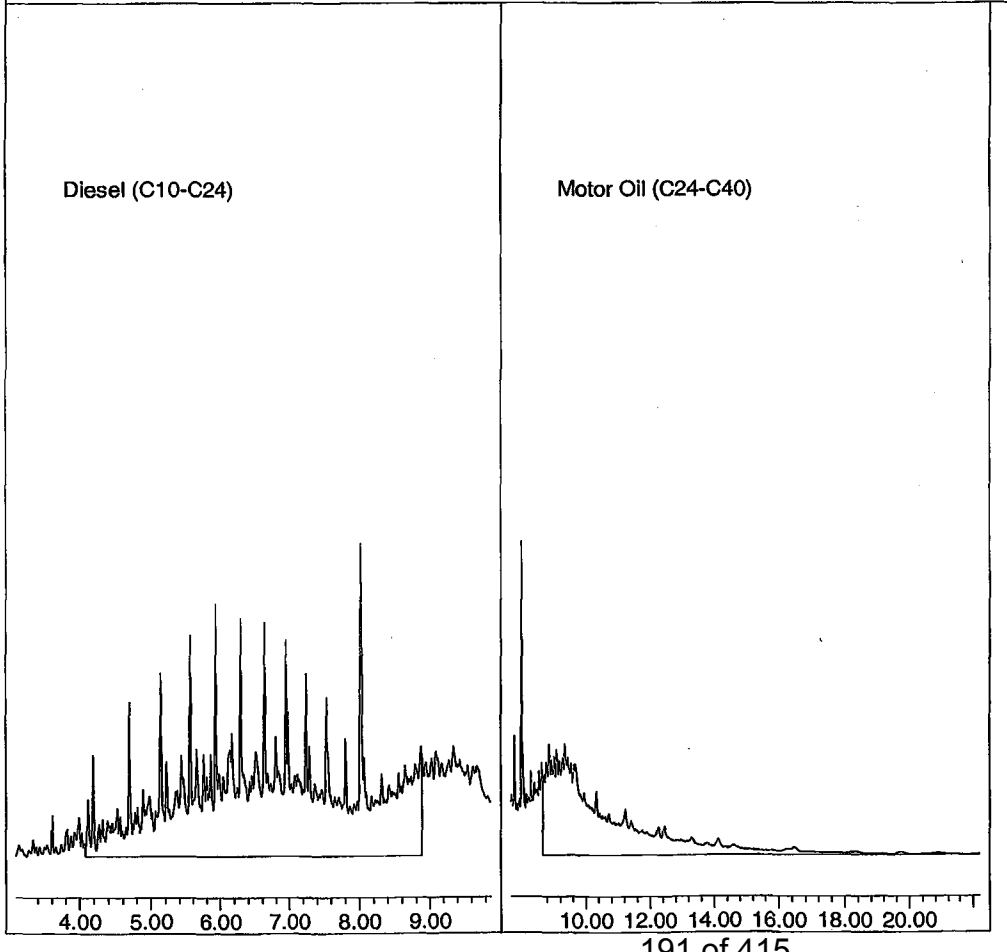
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

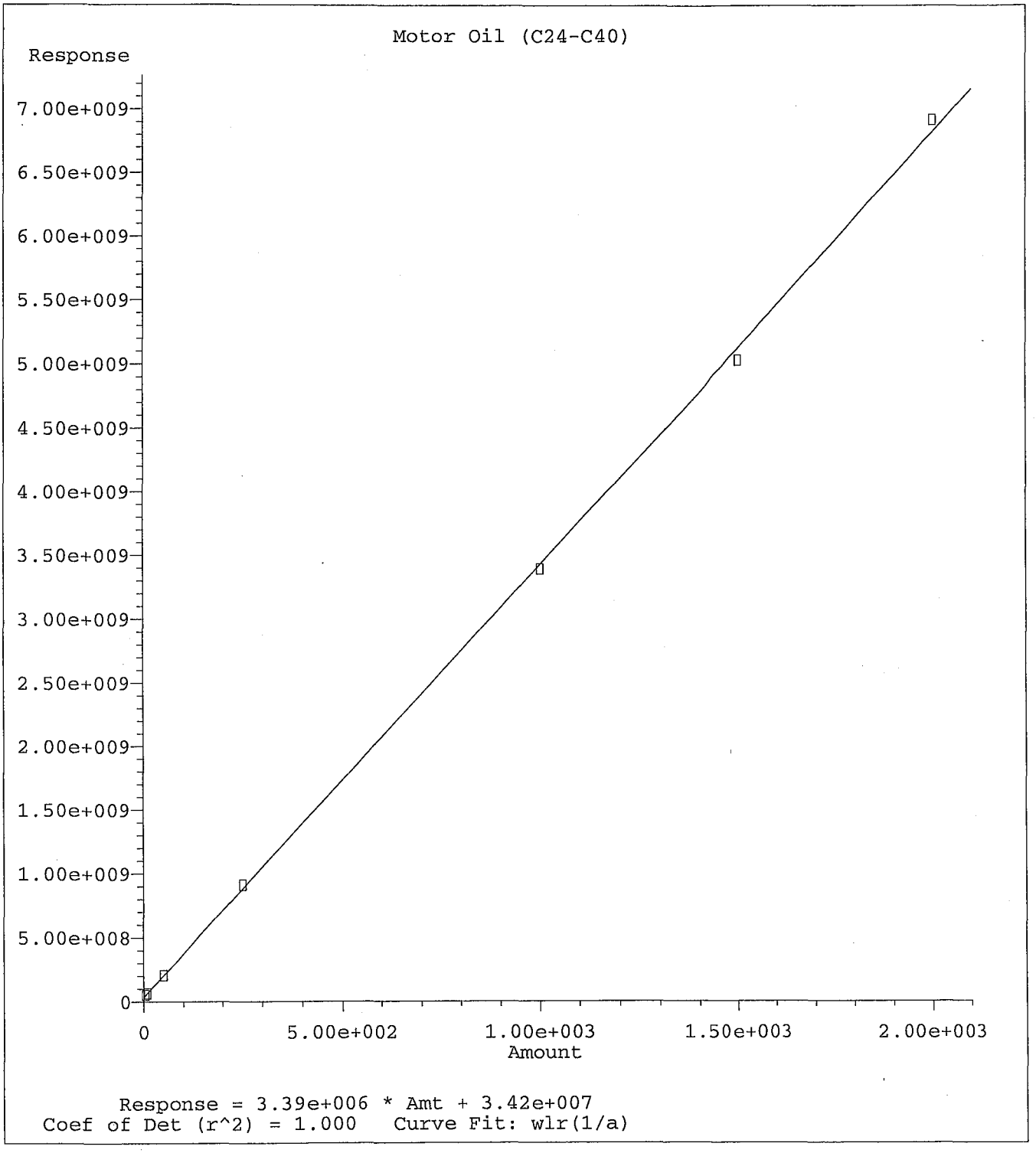
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.53	4250105	0.679 ppb
Surrogate Spike 30.000	Recovery	=	2.26%
4) SA Octacosane(S)	9.83	-3553	N.D. ppb
Surrogate Spike 30.000	Recovery	=	0.00%
Target Compounds			
1) HATM Diesel (C10-C24)	6.49	1133202337	225.139 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: 11/17/2021
Instrument: Apollo
Initial Cal. Date: 10/28/2021
Data File: 1117025.D

		Compound	MEAN	CCRF	%D	%Drift	
1	HATM	Diesel (C10-C24)	2516670	2674370	6.3	HATM	
2	HBTM	Motor Oil (C24-C40)	2492040	1913490	23	HBTML	8.8
3	SA	Ortho-Terphenyl(S)	3127510	3232370	3.4	SA	
4	SA	Octacosane(S)	2261430	2381760	5.3	SA	
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							
31							
32							
33							
34							
35							
36							
37							
38							
39							
40							
		Average			9.5		

Quantitation Report (Not Reviewed)

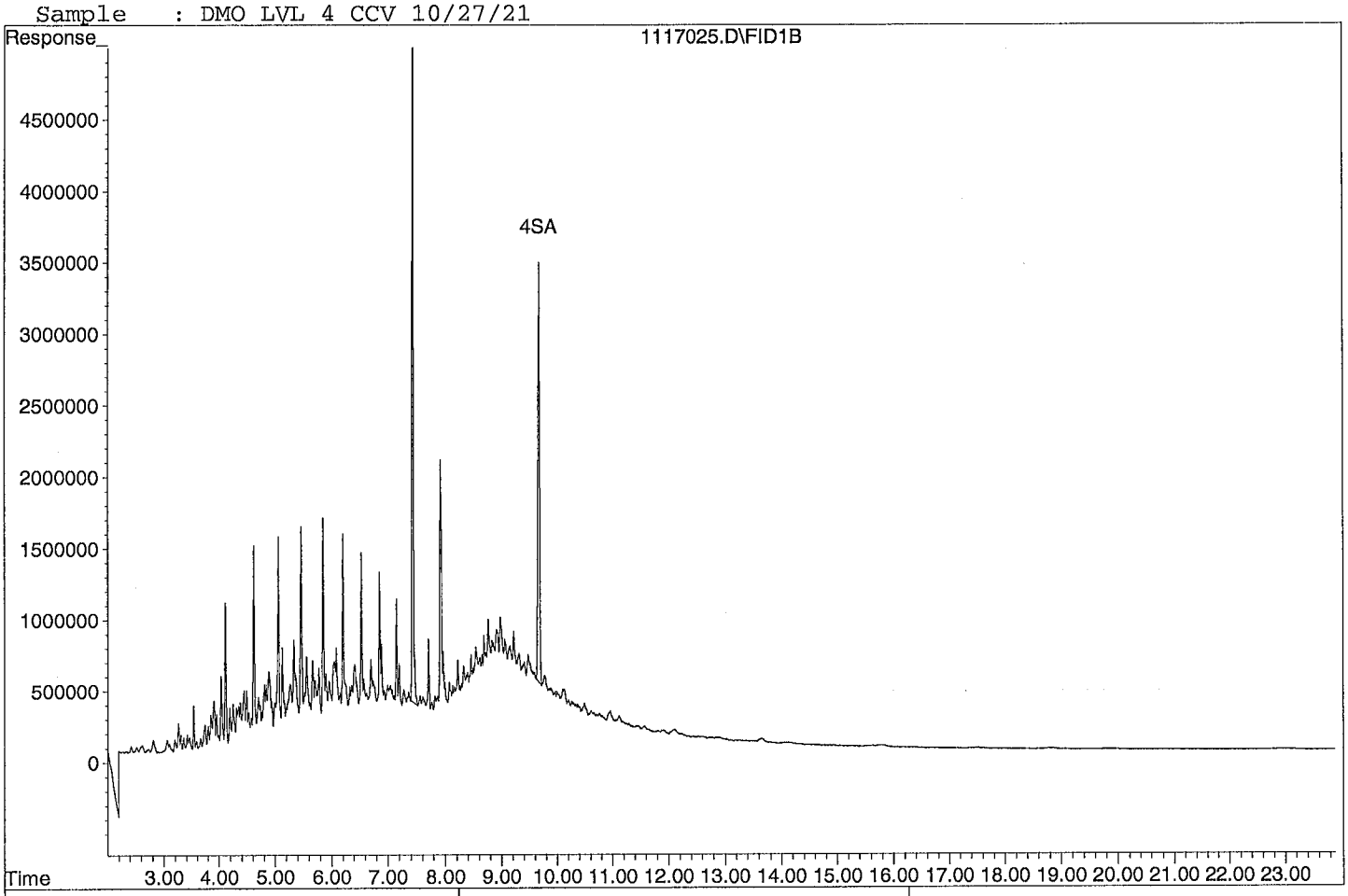
Data File : G:\APOLLO\DATA\211117\1117025.D Vial: 25
Acq On : 11-17-21 21:03:23 Operator: KA
Sample : DMO LVL 4 CCV 10/27/21 Inst : Apollo
Misc : Water Multiplr: 1.00
IntFile : events.e
Quant Time: Nov 19 10:17 2021 Quant Results File: DOC1028.RES

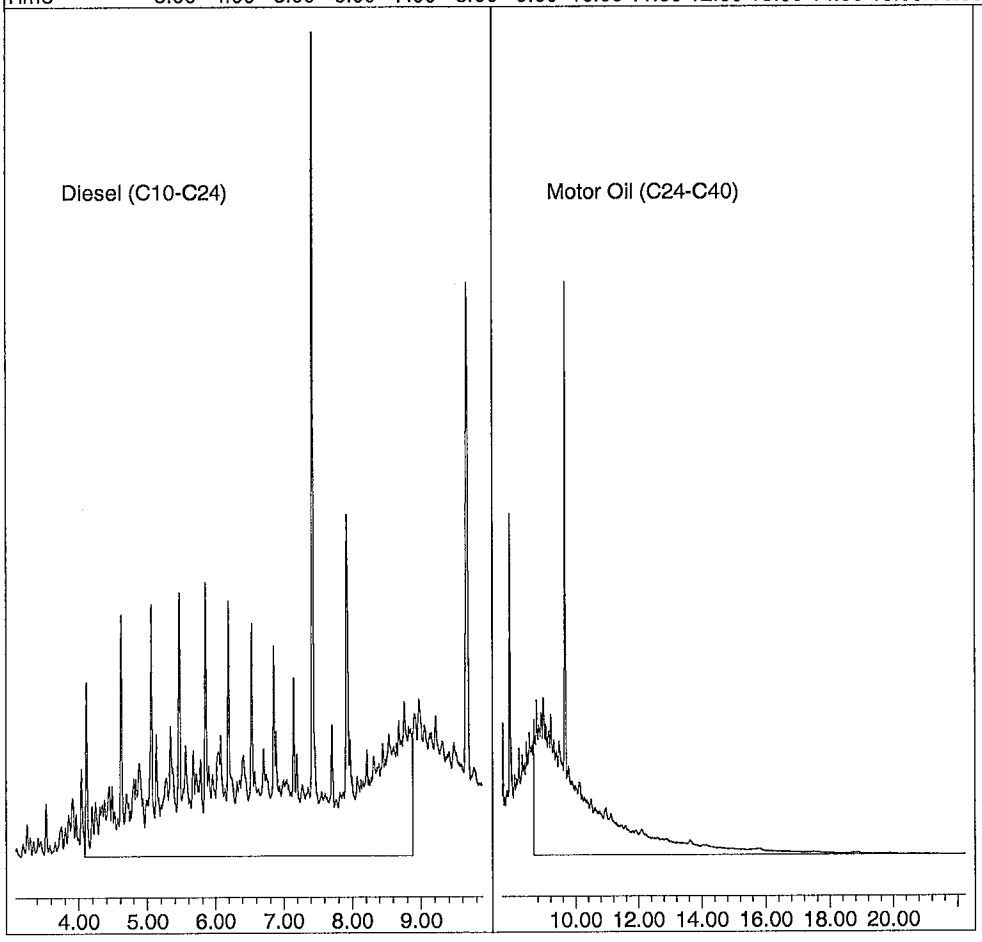
Method : G:\APOLLO\DATA\211028\DOC1028.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Nov 18 13:26:01 2021
Response via : Multiple Level Calibration

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

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.43	80809311	12.919 ppb
Surrogate Spike 30.000	Recovery =		43.06%
4) SA Octacosane(S)	9.67	59544117	13.165 ppb
Surrogate Spike 30.000	Recovery =		43.88%
Target Compounds			
1) HATM Diesel (C10-C24)	6.49	1337183531	265.665 ppb
2) HBTM Motor Oil (C24-C40)	14.96	956746034	271.997 ppb
Target Compounds			

Data File: G:\APOLLO\DATA\211117\1117025.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: 11/18/2021
Instrument: Apollo
Initial Cal. Date: 10/28/2021
Data File: 1117039.D

		Compound	MEAN	CCRF	%D	%Drift	
1	HATM	Diesel (C10-C24)	2516670	2736840	8.7	HATM	
2	HBTM	Motor Oil (C24-C40)	2492040	1943430	22	HBTML	11
3	SA	Ortho-Terphenyl(S)	3127510	3295850	5.4	SA	
4	SA	Octacosane(S)	2261430	2449290	8.3	SA	
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							
31							
32							
33							
34							
35							
36							
37							
38							
39							
40							
		Average			11.1		

Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\211117\1117039.D Vial: 39
Acq On : 11-18-21 3:36:02 Operator: KA
Sample : DMQ LVL 4 CCV 10/27/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Nov 19 10:15 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

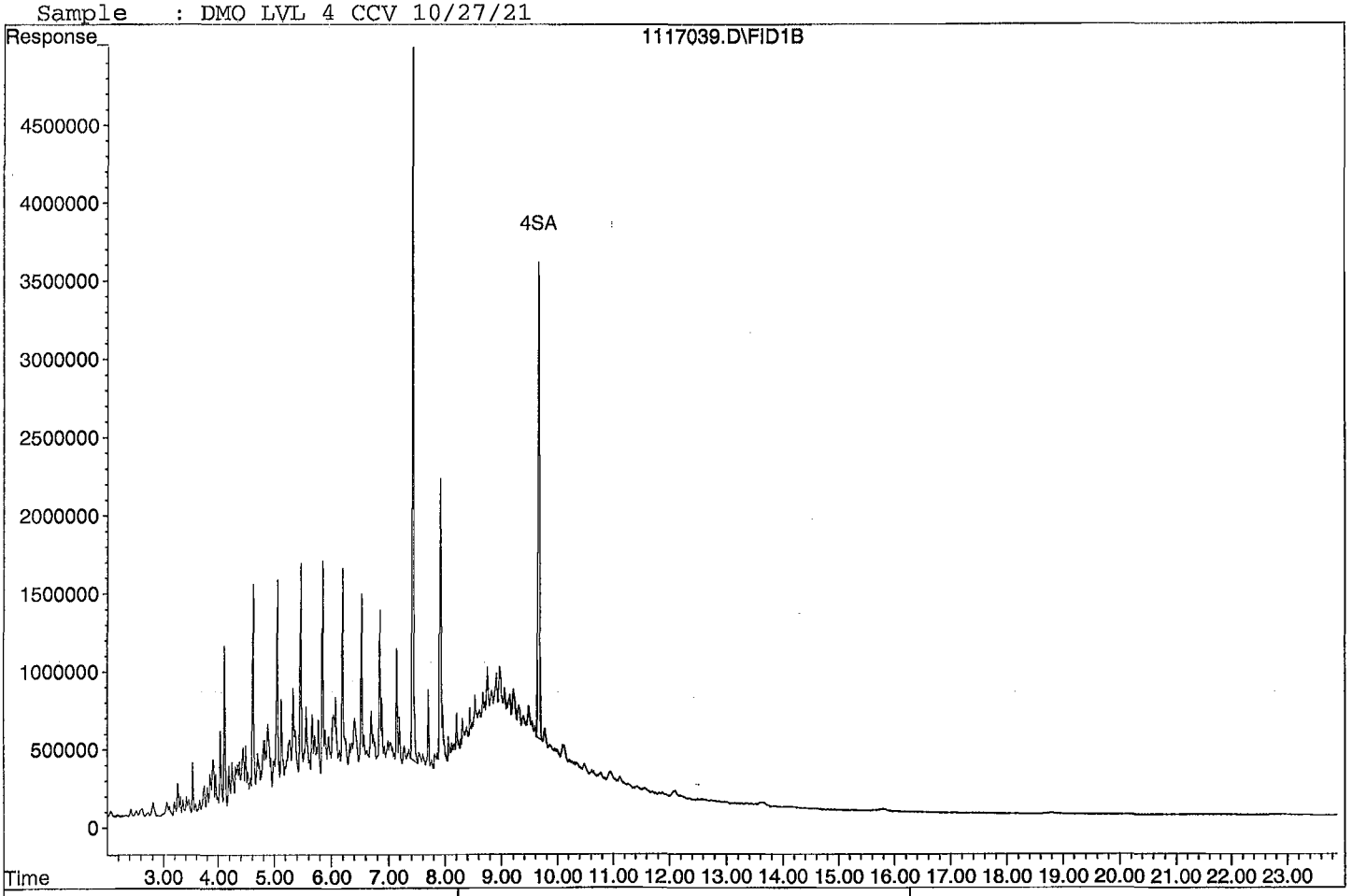
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

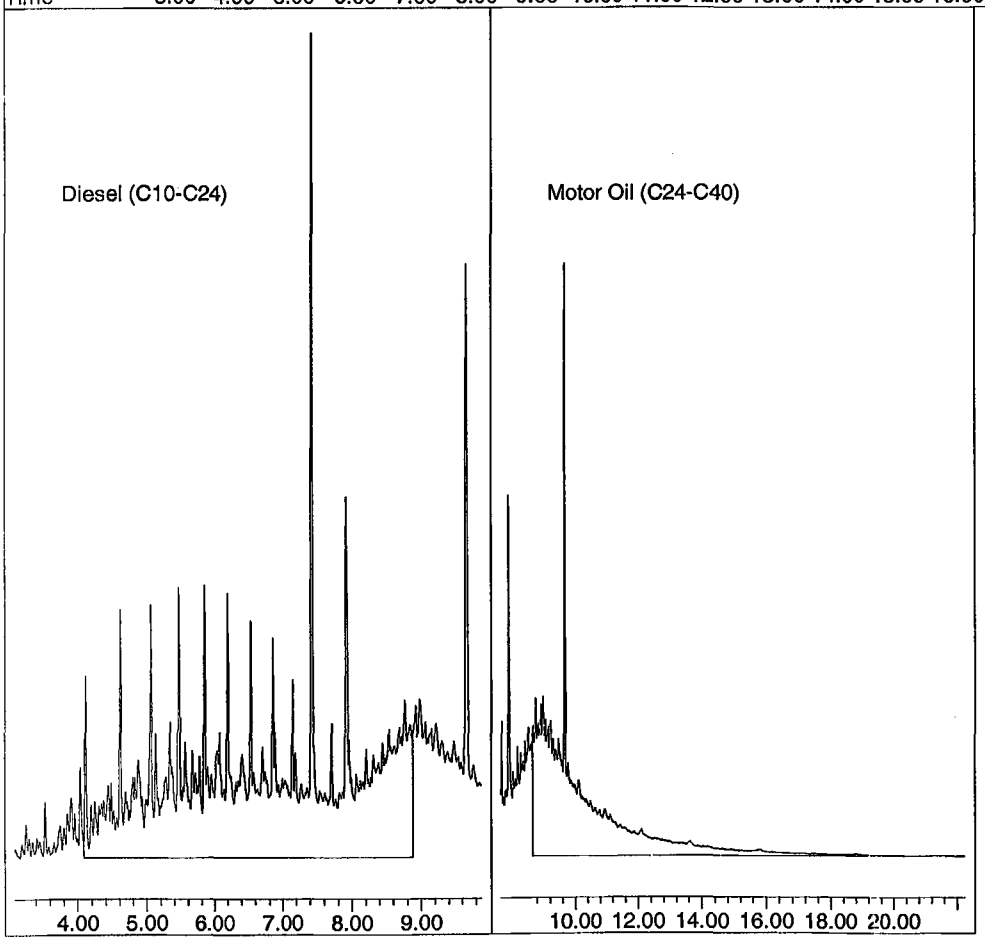
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.43	82396154	13.173 ppb
Surrogate Spike 30.000	Recovery =		43.91%
4) SA Octacosane(S)	9.66	61232212	13.538 ppb
Surrogate Spike 30.000	Recovery =		45.13%
Target Compounds			
1) HATM Diesel (C10-C24)	6.49	1368421302	271.872 ppb
2) HBTM Motor Oil (C24-C40)	14.96	971713672	276.410 ppb
Target Compounds			

(f)=RT Delta > 1/2 Window

(m)=manual int.
1117039.D DOC1028.M Fri Nov 19 13:15:42 2021 Page 1

Data File: G:\APOLLO\DATA\211117\1117039.D
Sample : DMO LVL 4 CCV 10/27/21





ORGANICS
Raw Data

Quantitation Report (QT Reviewed)

Data File : G:\APOLLO\DATA\211117\1117032.D Vial: 32
Acq On : 11-18-21 0:19:40 Operator: KA
Sample : BA46002W01 5/1000 Inst : Apollo
Misc : water Multiplr: 5.00
IntFile : events.e
Quant Time: Nov 19 13:06 2021 Quant Results File: DOC1028.RES

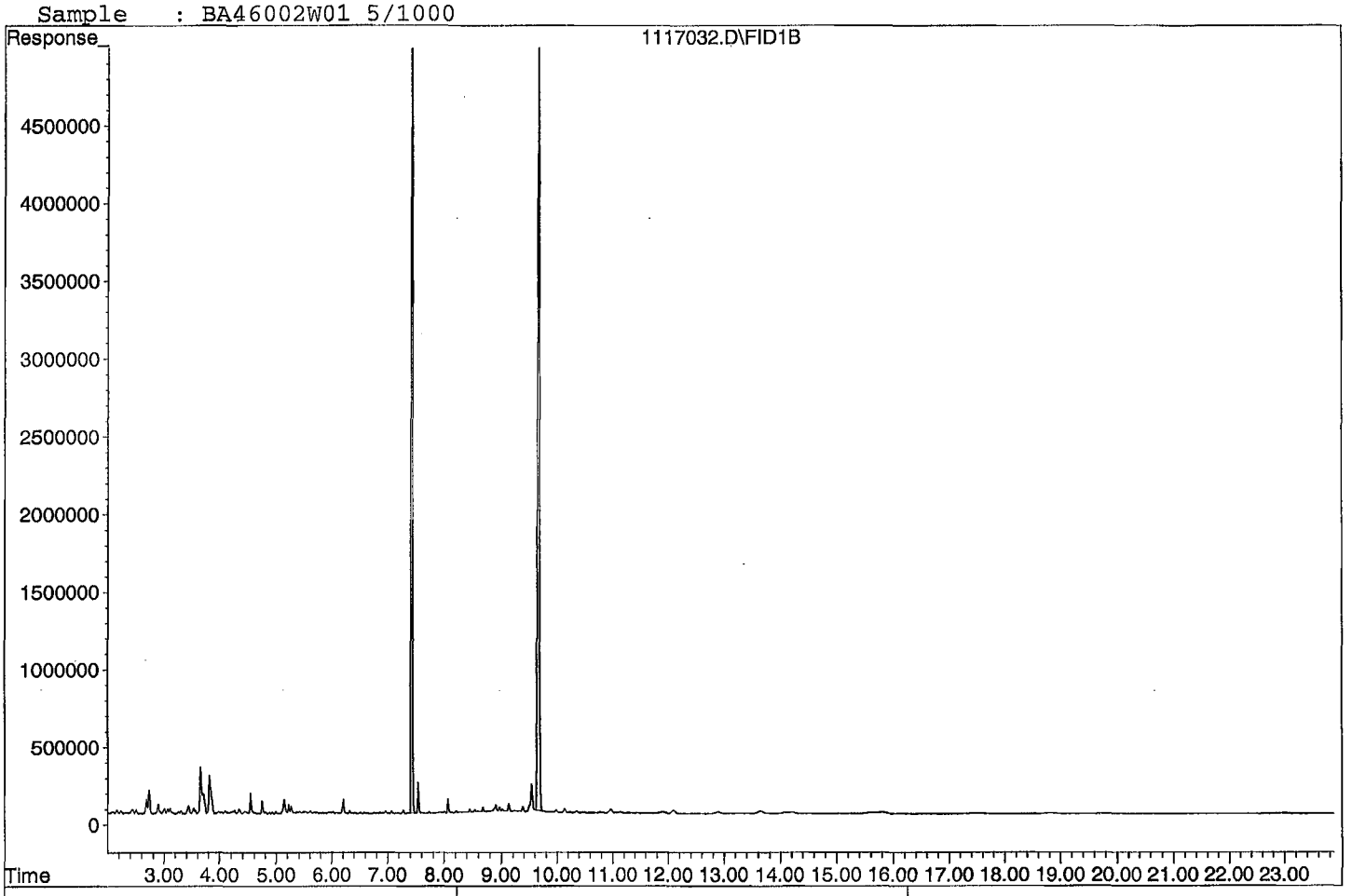
Method : G:\APOLLO\DATA\211028\DOC1028.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Nov 18 13:26:01 2021
Response via : Multiple Level Calibration

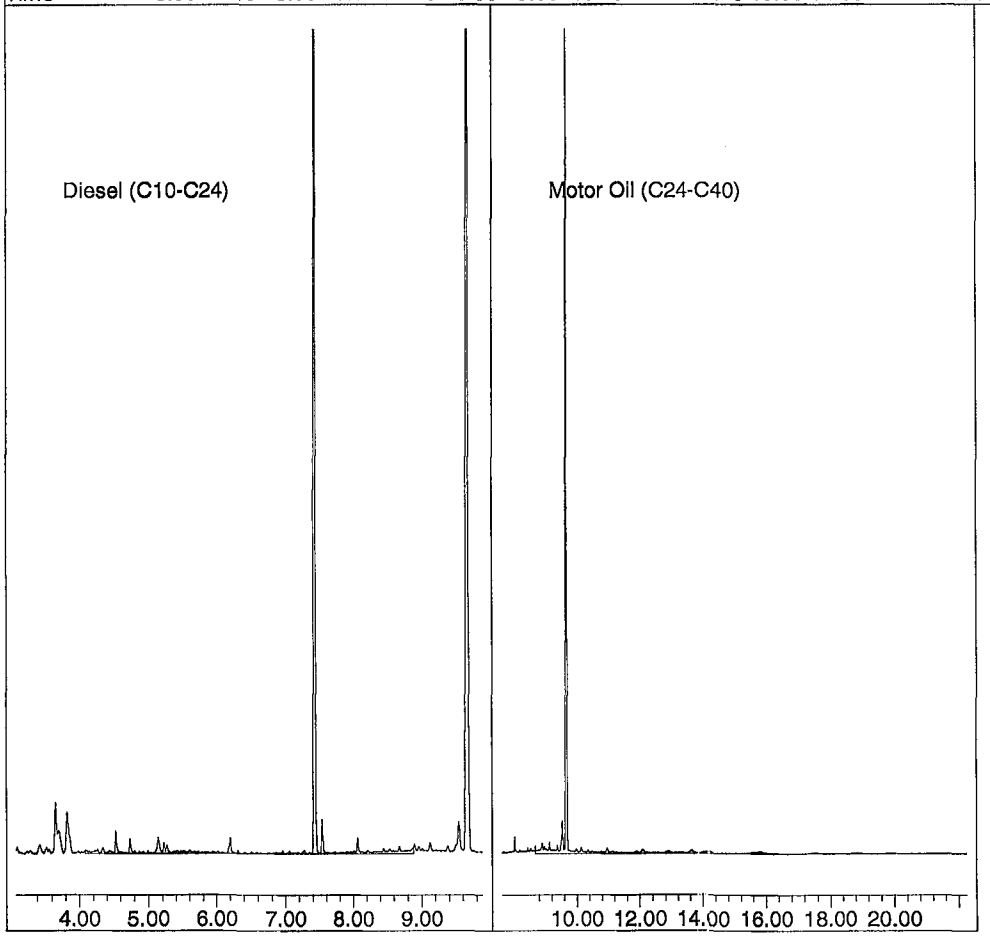
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.43	133173427	106.453 ppb
Surrogate Spike 150.000		Recovery =	70.97%
4) SA Octacosane(S)	9.67	119556026	132.169 ppb
Surrogate Spike 150.000		Recovery =	88.11%
Target Compounds			
1) HATM Diesel (C10-C24)	6.49	35413940	35.179 ppb
2) HBTM Motor Oil (C24-C40)	14.96	56498537	32.913 ppb

Target Compounds

Data File: G:\APOLLO\DATA\211117\1117032.D
Sample : BA46002W01 5/1000





Quantitation Report (QT Reviewed)

Data File : G:\APOLLO\DATA\211117\1117029.D Vial: 29
Acq On : 11-17-21 22:55:31 Operator: KA
Sample : 211115A BLK 5/1000 Inst : Apollo
Misc : water Multiplr: 5.00
IntFile : events.e
Quant Time: Nov 19 13:04 2021 Quant Results File: DOC1028.RES

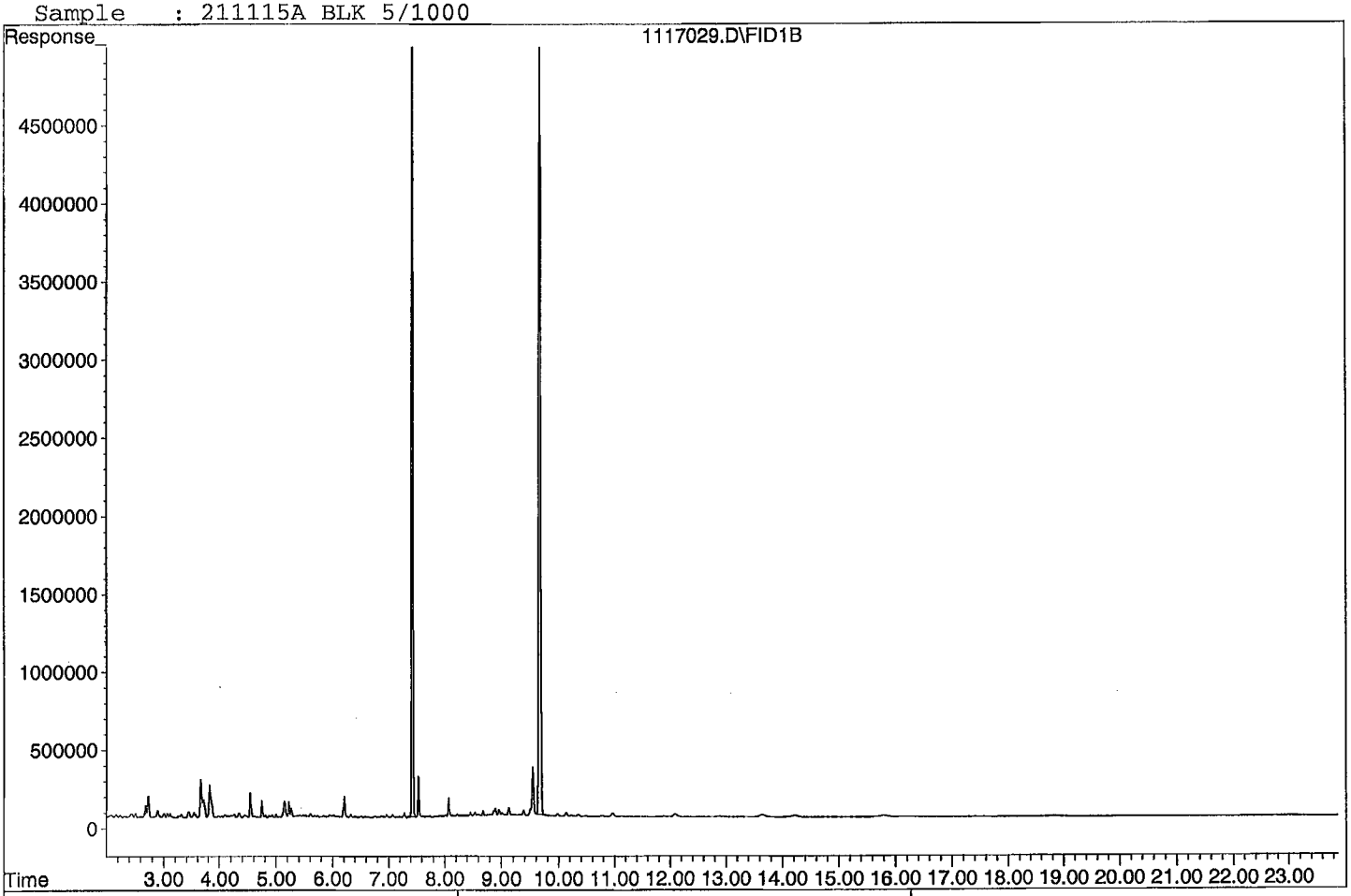
Method : G:\APOLLO\DATA\211028\DOC1028.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Nov 18 13:26:01 2021
Response via : Multiple Level Calibration

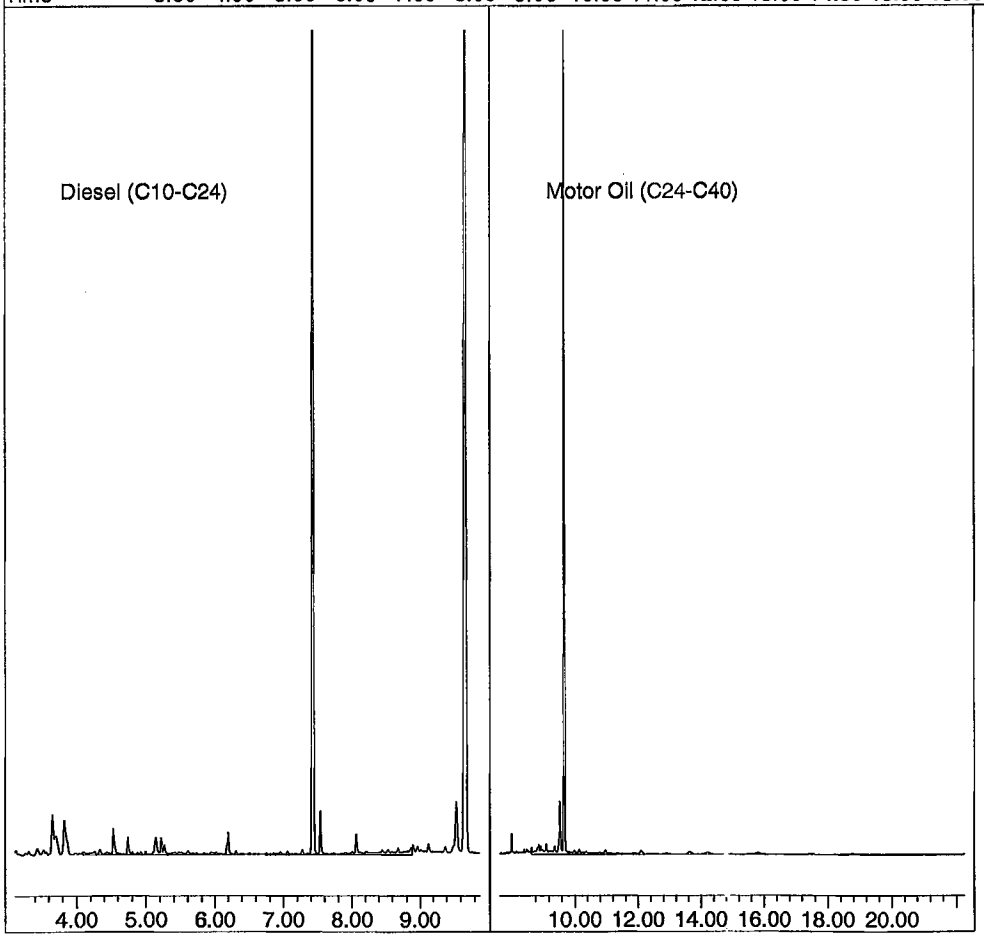
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.43	129864089	103.808 ppb
Surrogate Spike 150.000		Recovery =	69.21%
4) SA Octacosane(S)	9.67	118110389	130.571 ppb
Surrogate Spike 150.000		Recovery =	87.05%
Target Compounds			
1) HATM Diesel (C10-C24)	6.49	43387000	43.100 ppb
2) HBTM Motor Oil (C24-C40)	14.96	54832278	30.457 ppb
Target Compounds			

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

Data File: G:\APOLLO\DATA\211117\1117029.D
Sample : 211115A BLK 5/1000





Quantitation Report (QT Reviewed)

Data File : G:\APOLLO\DATA\211117\1117030.D Vial: 30
Acq On : 11-17-21 23:23:35 Operator: KA
Sample : 211115A LCS-1 5/1000 Inst : Apollo
Misc : water Multiplr: 5.00
IntFile : events.e
Quant Time: Nov 19 13:05 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

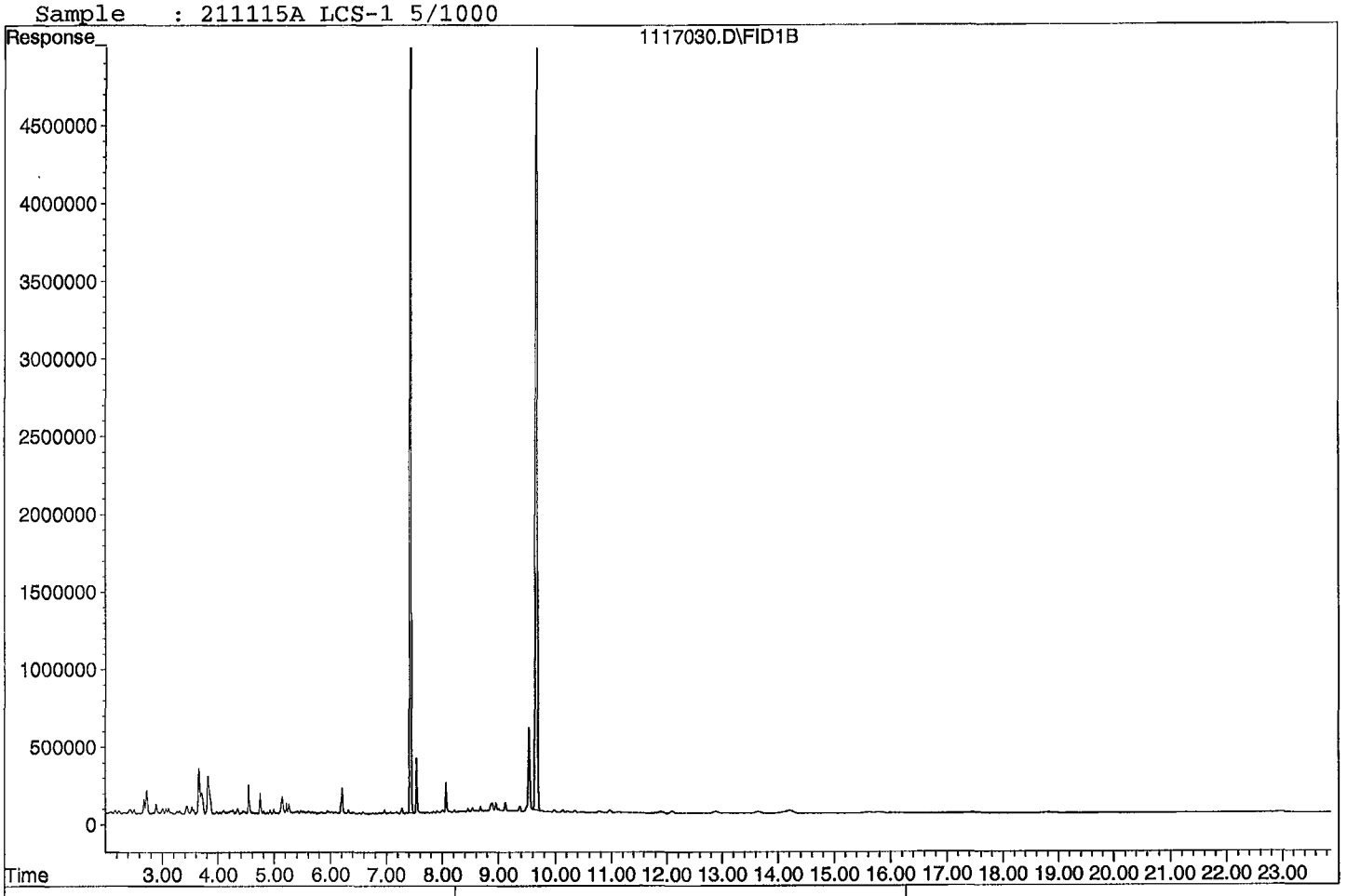
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.43	132417916	105.849 ppb
Surrogate Spike 150.000		Recovery =	70.57%
4) SA Octacosane(S)	9.66	119590605	132.207 ppb
Surrogate Spike 150.000		Recovery =	88.14%
Target Compounds			
1) HATM Diesel (C10-C24)	6.49	46085413	45.780 ppb
2) HBTM Motor Oil (C24-C40)	14.96	65228159	45.782 ppb
Target Compounds			

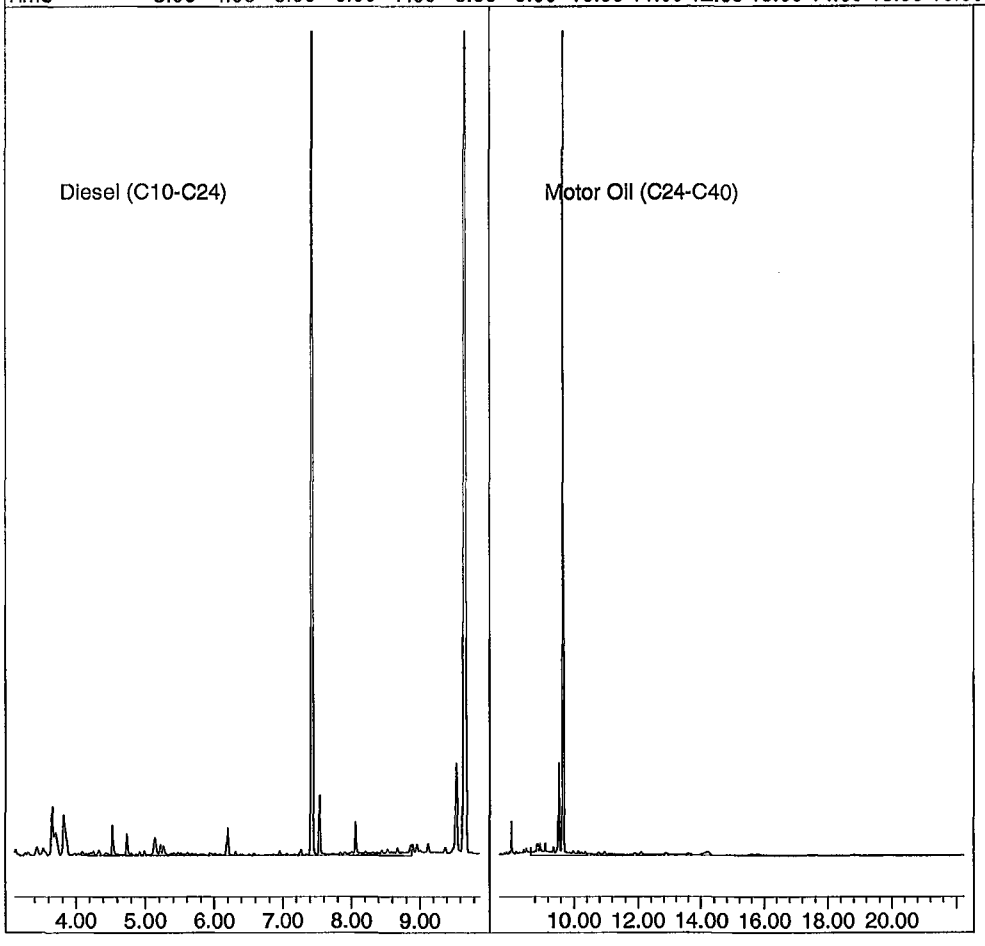
Diesel:

$$\frac{(46085413)(5)}{(25116069)(2)} = \frac{2304270665}{50333338} = \boxed{45.780}$$

(f)=RT Delta > 1/2 Window
1117030.D DOC1028.M Fri Nov 19 13:15:26 2021 (m)=manual int.

Data File: G:\APOLLO\DATA\211117\1117030.D
Sample : 211115A LCS-1 5/1000





Quantitation Report (QT Reviewed)

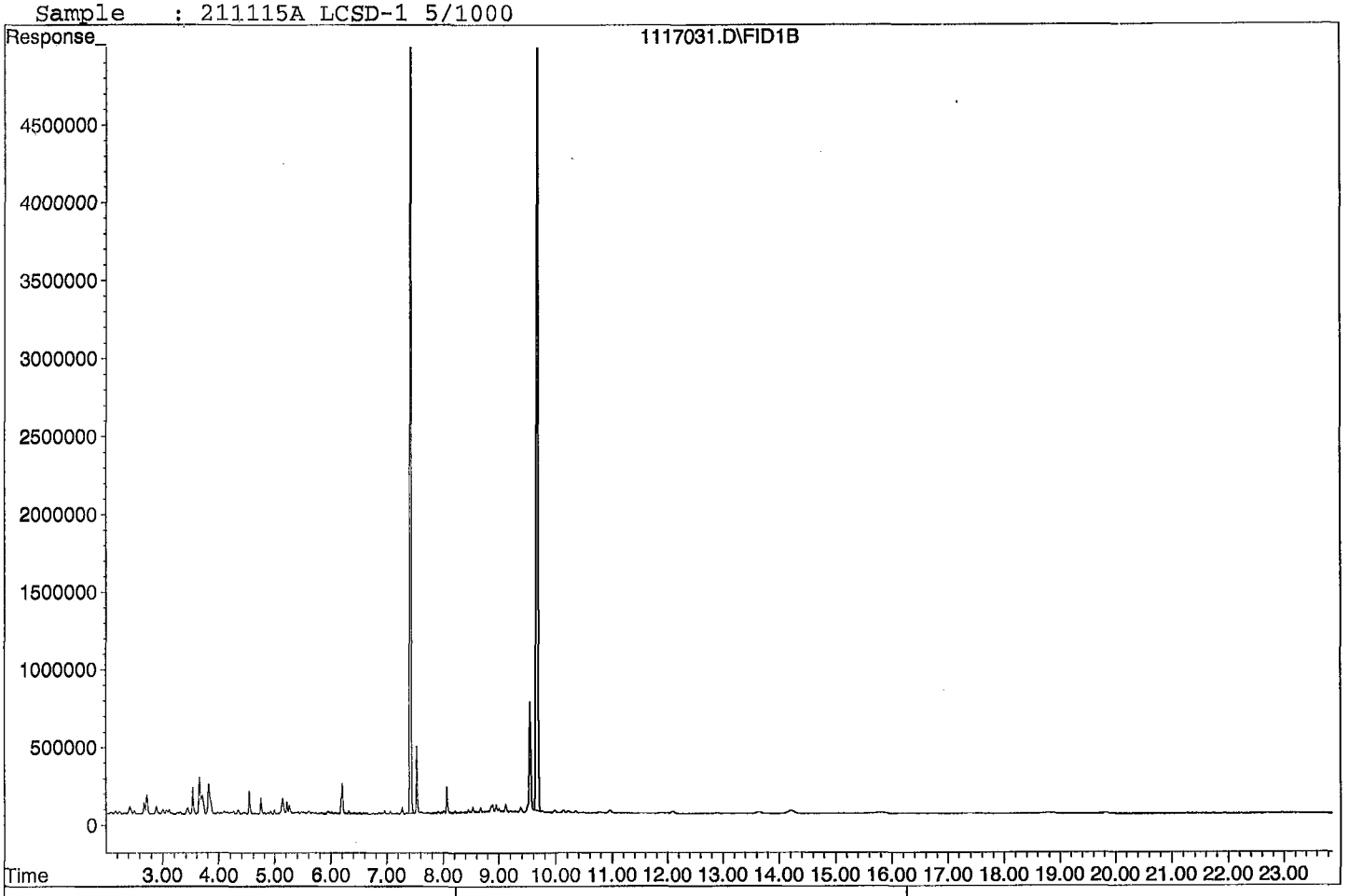
Data File : G:\APOLLO\DATA\211117\1117031.D Vial: 31
Acq On : 11-17-21 23:51:36 Operator: KA
Sample : 211115A LCSD-1 5/1000 Inst : Apollo
Misc : water Multiplr: 5.00
IntFile : events.e
Quant Time: Nov 19 13:06 2021 Quant Results File: DOC1028.RES

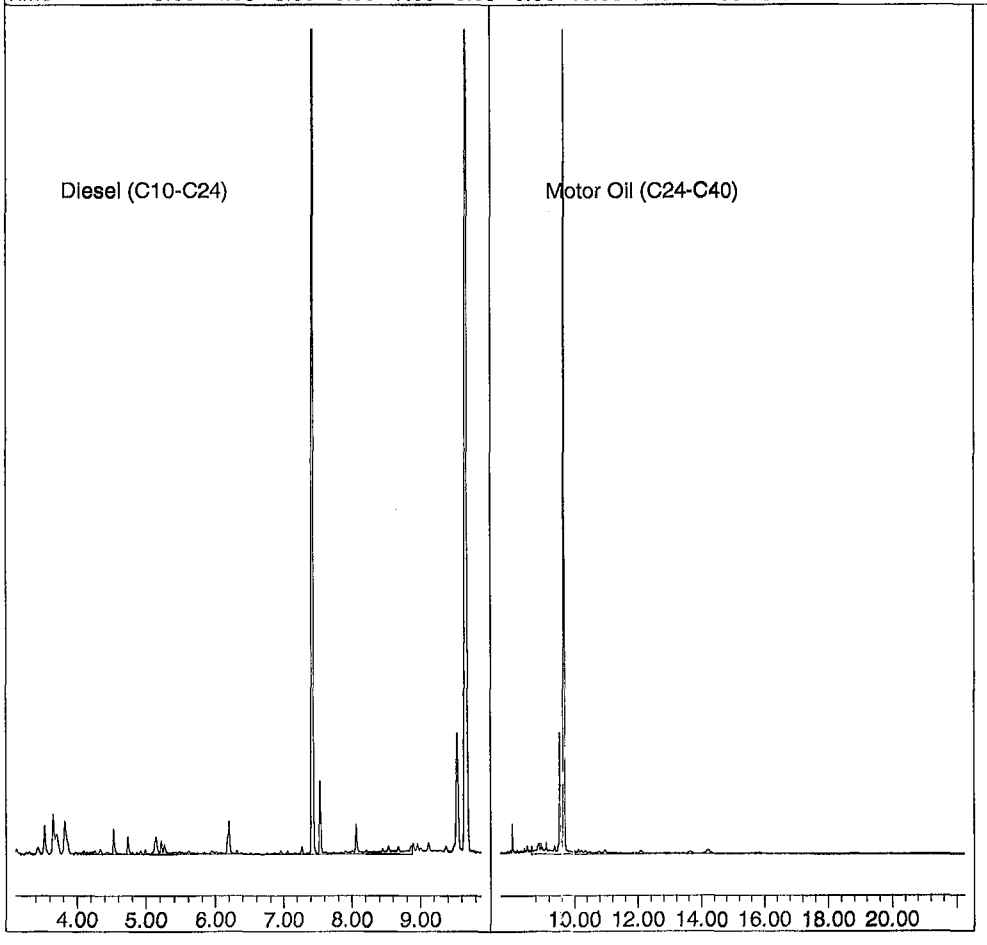
Method : G:\APOLLO\DATA\211028\DOC1028.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Nov 18 13:26:01 2021
Response via : Multiple Level Calibration

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

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.43	126568035	101.173 ppb
Surrogate Spike 150.000		Recovery =	67.45%
4) SA Octacosane(S)	9.66	114275506	126.331 ppb
Surrogate Spike 150.000		Recovery =	84.22%
Target Compounds			
1) HATM Diesel (C10-C24)	6.49	46367651	46.061 ppb
2) HBTM Motor Oil (C24-C40)	14.96	67756669	49.509 ppb
Target Compounds			

Data File: G:\APOLLO\DATA\211117\1117031.D
Sample : 211115A LCSD-1 5/1000





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, AQ166510-52817 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: 11/10/2021 **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	**CL16893-52839**	**See man. Date**	**5/31/2026**	N/A	N/A	N/A	600

Organic Extraction Worksheet

Method	Continuous Liq/Liq TPH-Diesel/MO 3520C	Extraction Set	211115A	Extraction Method	LIQ005	Units	mL

Spiked ID 1		Surrogate ID 1	THC Surrogate 11-10-21 11-10-22		
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:	11/15/21 13:18		
Spiked ID 8		Ext. End Time:	11/16/21 7:19		
		GC Requires Extract By:			

pH1	2	11/15/21 10:15	Water Bath Temp 1 °C	43/42.1 °C
pH2			Water Bath Temp 2 °C	37/38.1
pH3			Water Bath Temp 3 °C	35/34.5 °C

Spiked By: SR **Date** 11/15/2021 **Witnessed By:** CG **Date** 11/15/2021

	Sample	Sample Container	Spike Amount	Spike ID	Surrogate Amount	Surrogate ID	Extract Amount	Final Volume	pH	Extract Date/Time	Comments
1	211115A Blk				0.250	1	1000	5	2	11/15/21 10:19	
						equip	E-HP3 E-WB1				
2	211115A LCS-1				0.250	1	1000	5	2	11/15/21 10:19	
						equip	E-HP4 E-WB2				
3	211115A LCSD-1				0.250	1	1000	5	2	11/15/21 10:19	
						equip	E-HP6 E-WB3				
4	BA46002	BA46002W01			0.250	1	1000	5	2	11/15/21 10:19	98213
						equip	E-HP7 E-WB1				
5	BA46110	BA46110W01			0.250	1	1000	5	2	11/15/21 10:19	98214
						equip	E-HP8 E-WB2				
6	BA46111	BA46111W01			0.250	1	1000	5	2	11/15/21 10:19	98214
						equip	E-HP9 E-WB1				
7	BA46112	BA46112W01			0.250	1	1000	5	2	11/15/21 10:19	98214
						equip	E-HP10 E-WB2				
8	BA46113	BA46113W01			0.250	1	1000	5	2	11/15/21 10:19	98214
						equip	E-HP11 E-WB3				
9	BA46118	BA46118W01			0.250	1	1000	5	2	11/15/21 10:19	98212
						equip	E-HP12 E-WB1				
10	BA46119	BA46119W01			0.250	1	1000	5	2	11/15/21 10:19	98212
						equip	E-HP22 E-WB2				
11	BA46120	BA46120W01			0.250	1	1000	5	2	11/15/21 10:19	98212
						equip	E-HP14 E-WB3				

Solvent and Lot#	
1+1 HCL (5mLs)	60358
PH Strips	HC155968
Dicholormethane	61117
Filter Paper	100202
Sodium Sulfate	2021071206

Extraction COC Transfer	
Extraction lab employee Initials	KY
GC analyst's initials	KA
Date	11/17/21
Time	8:24
Refrigerator	Hobart

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

Modified	11/17/2021 7:15:45 AM

Reviewed By: KY **Date** 11/17/2021

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	25	1117025.D	1	DMO LVL 4 CCV 10/27/21	Water	11-17-21 21:03:23
10	29	1117029.D	5	211115A BLK 5/1000	water	11-17-21 22:55:31
11	30	1117030.D	5	211115A LCS-1 5/1000	water	11-17-21 23:23:35
12	31	1117031.D	5	211115A LCSD-1 5/1000	water	11-17-21 23:51:36
13	32	1117032.D	5	BA46002W01 5/1000	water	11-18-21 0:19:40
14	39	1117039.D	1	DMO LVL 4 CCV 10/27/21	water	11-18-21 3:36:02

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

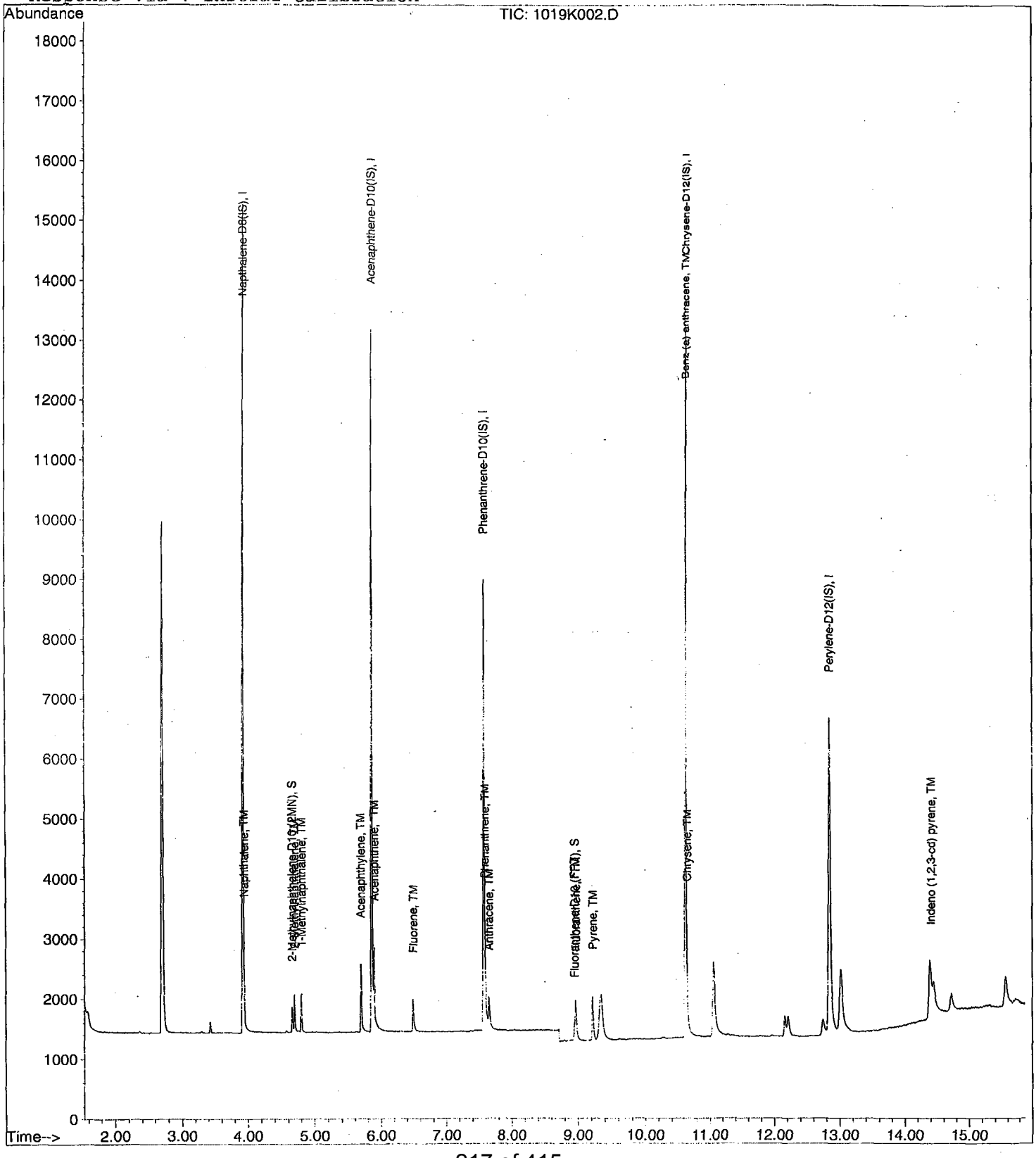
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\KYLO\DATA\211019\1019K002.D 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

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

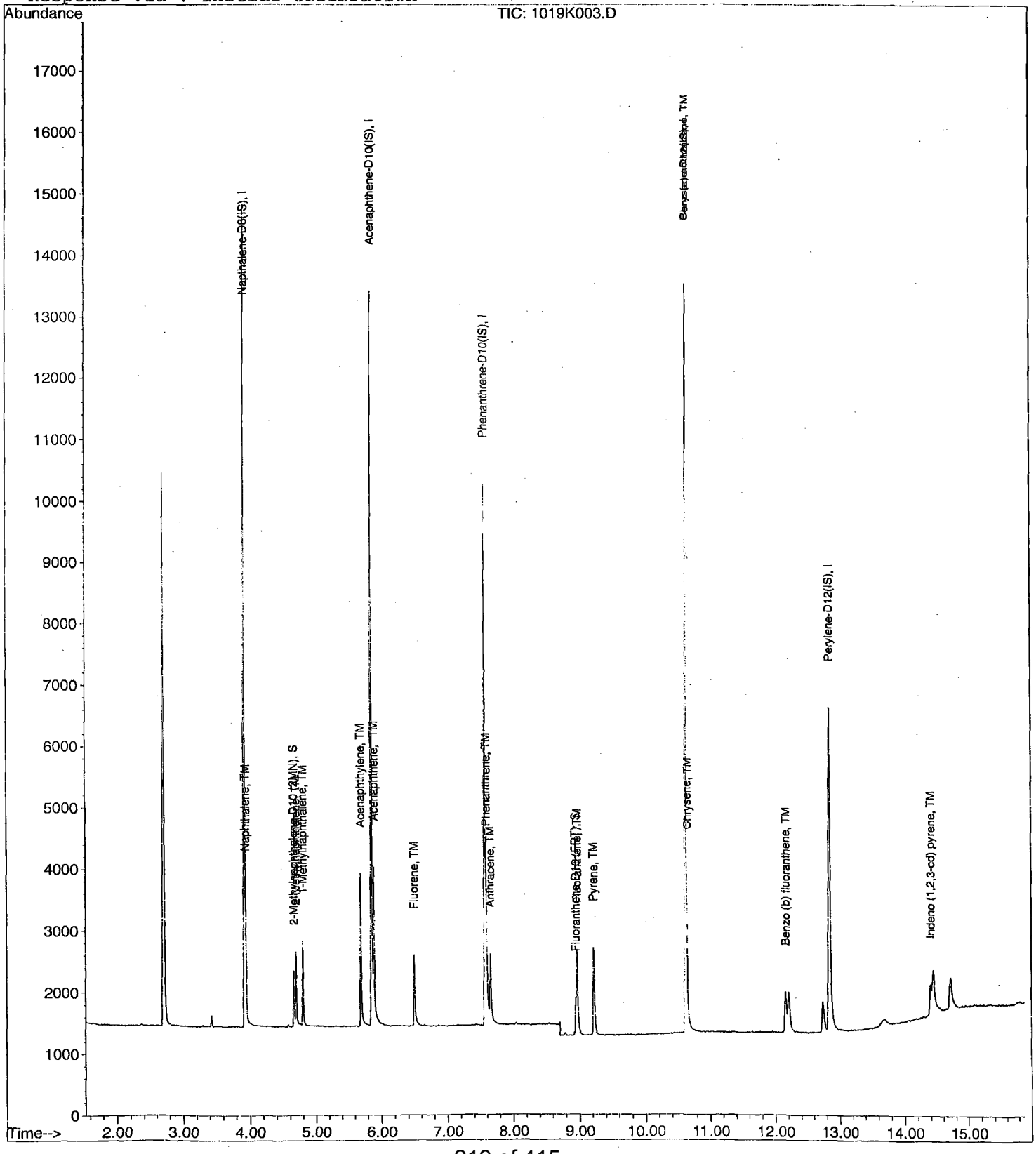
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\KYLO\DATA\211019\1019K003.D 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

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

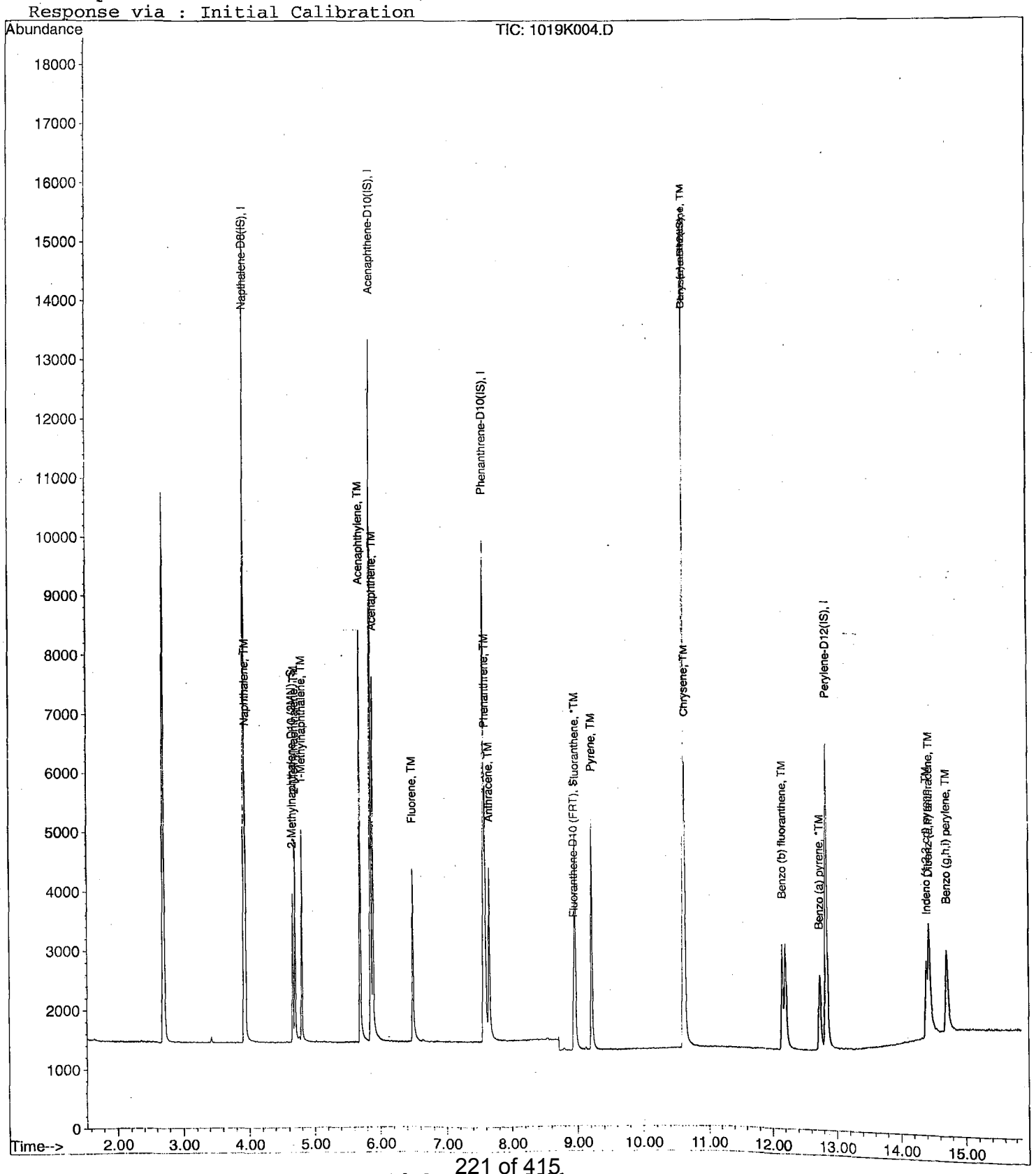
(#) = qualifier out of range (m) = manual integration

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



1019K004.D K1019.M Tue Nov 16 09:33:45 2021

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

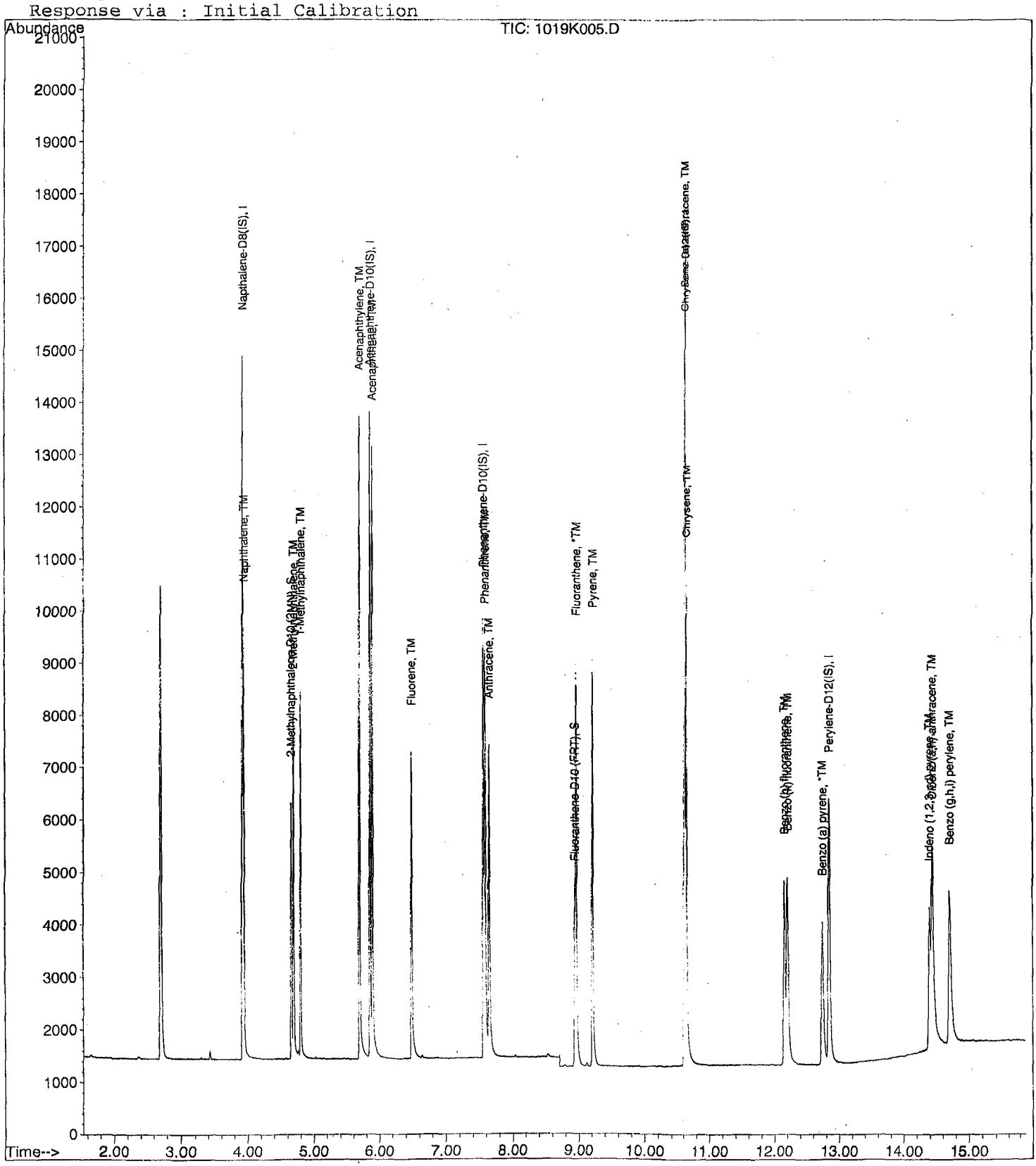
(#) = qualifier out of range (m) = manual integration

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

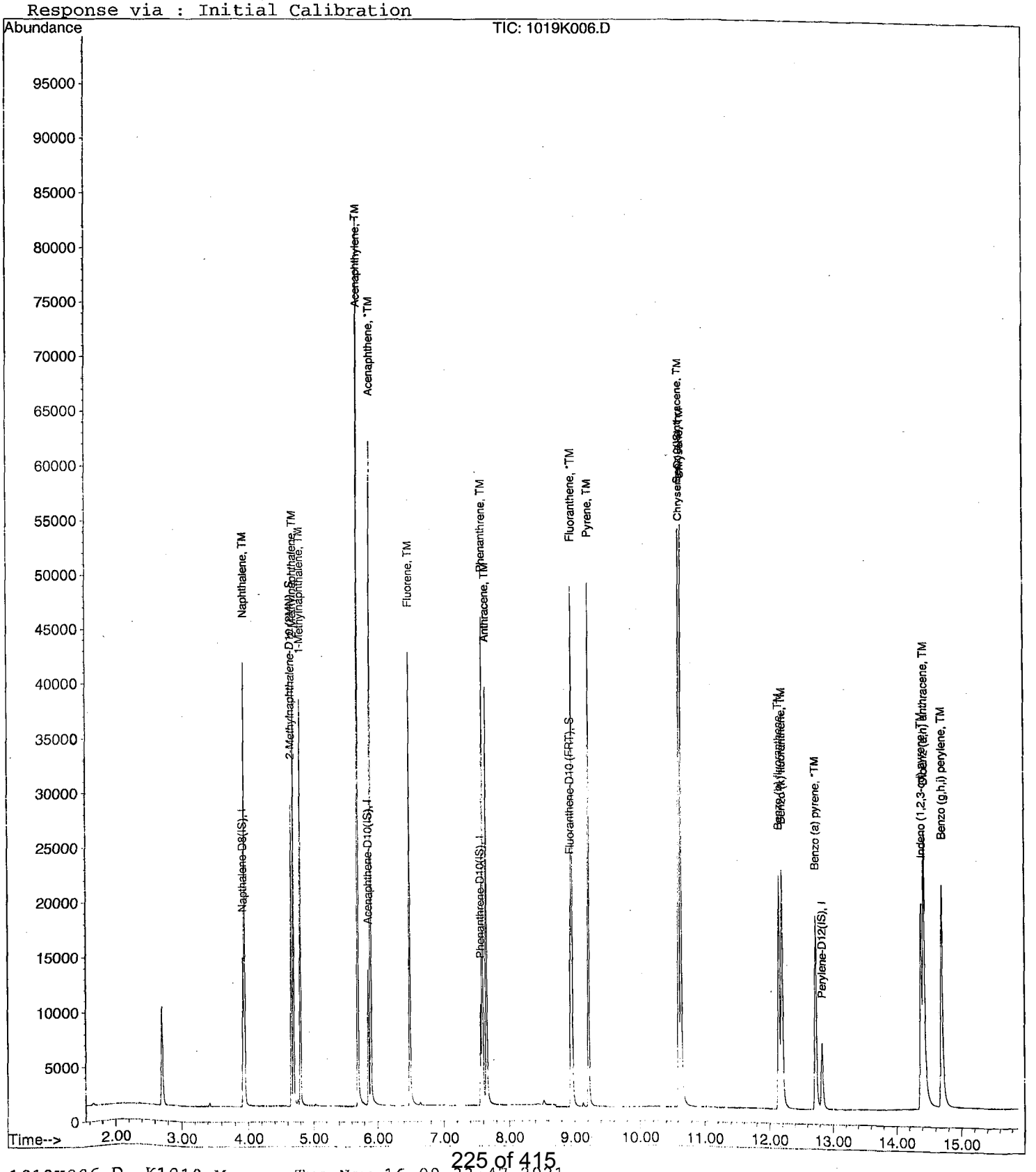
(#) = qualifier out of range (m) = manual integration

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

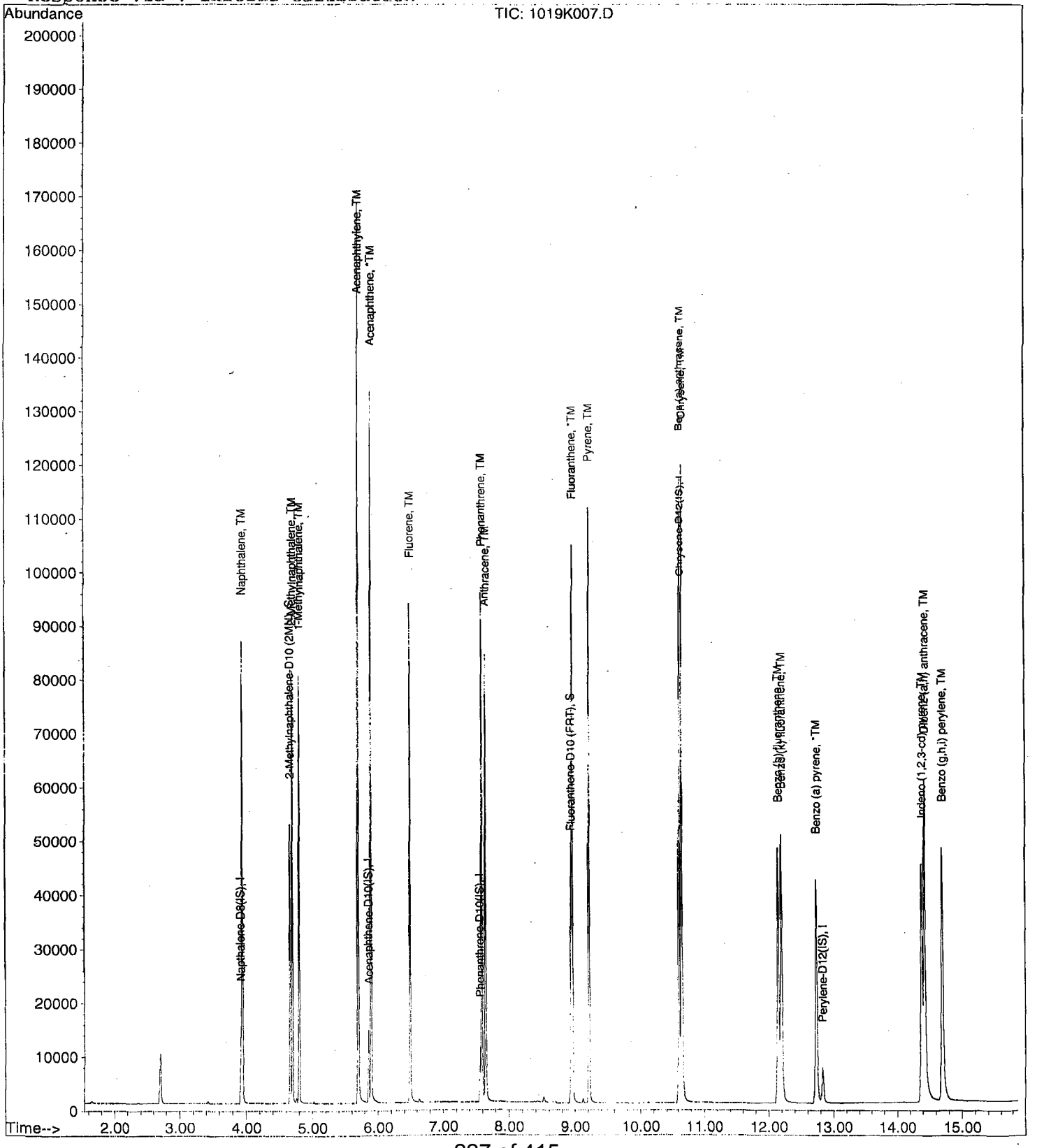
(#) = qualifier out of range (m) = manual integration

Quantitation Report

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

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

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



Quantitation Report (Not Reviewed)

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

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

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

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

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

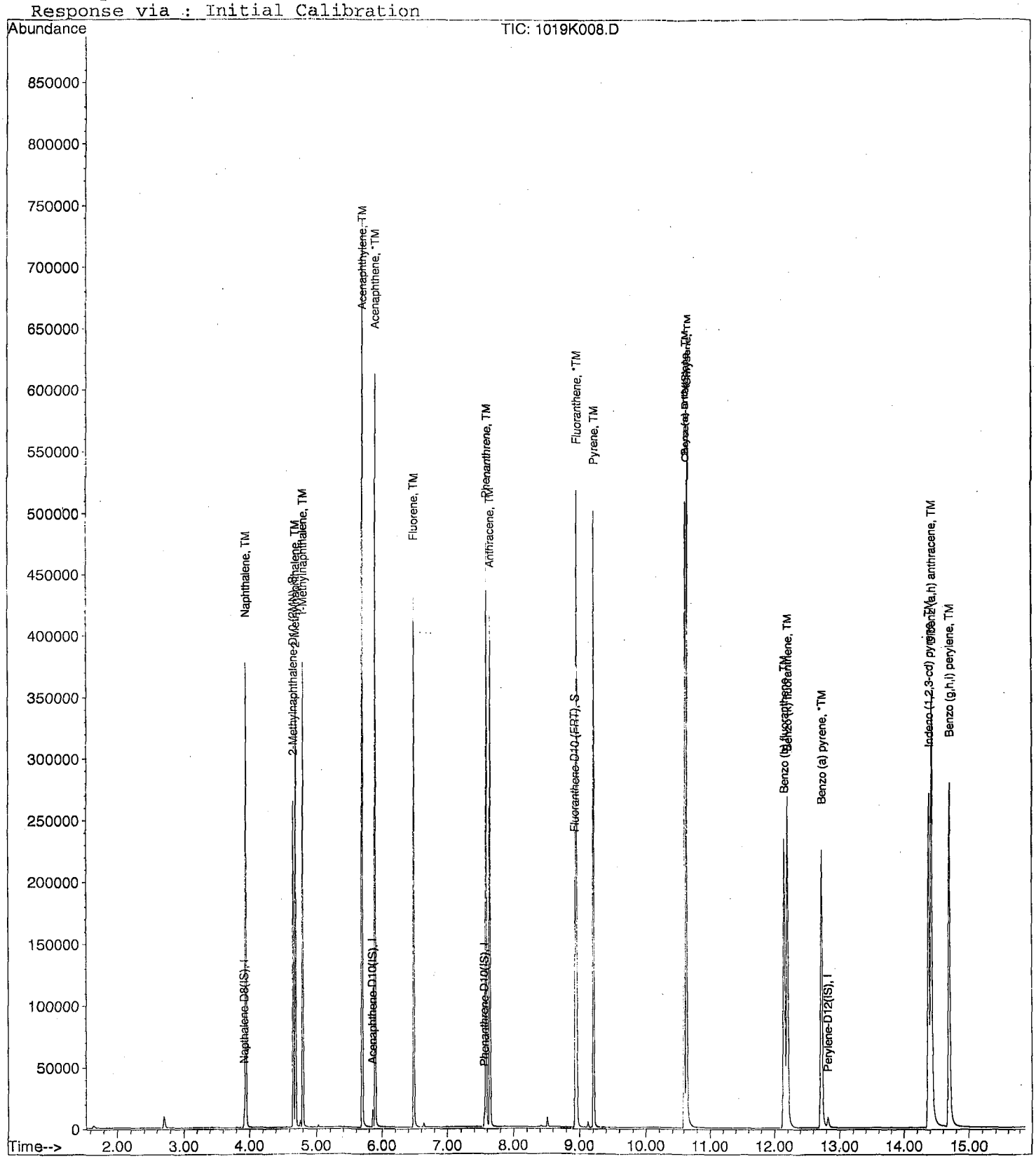
Quantitation Report

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

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

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

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



Quantitation Report (Not Reviewed)

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

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

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

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

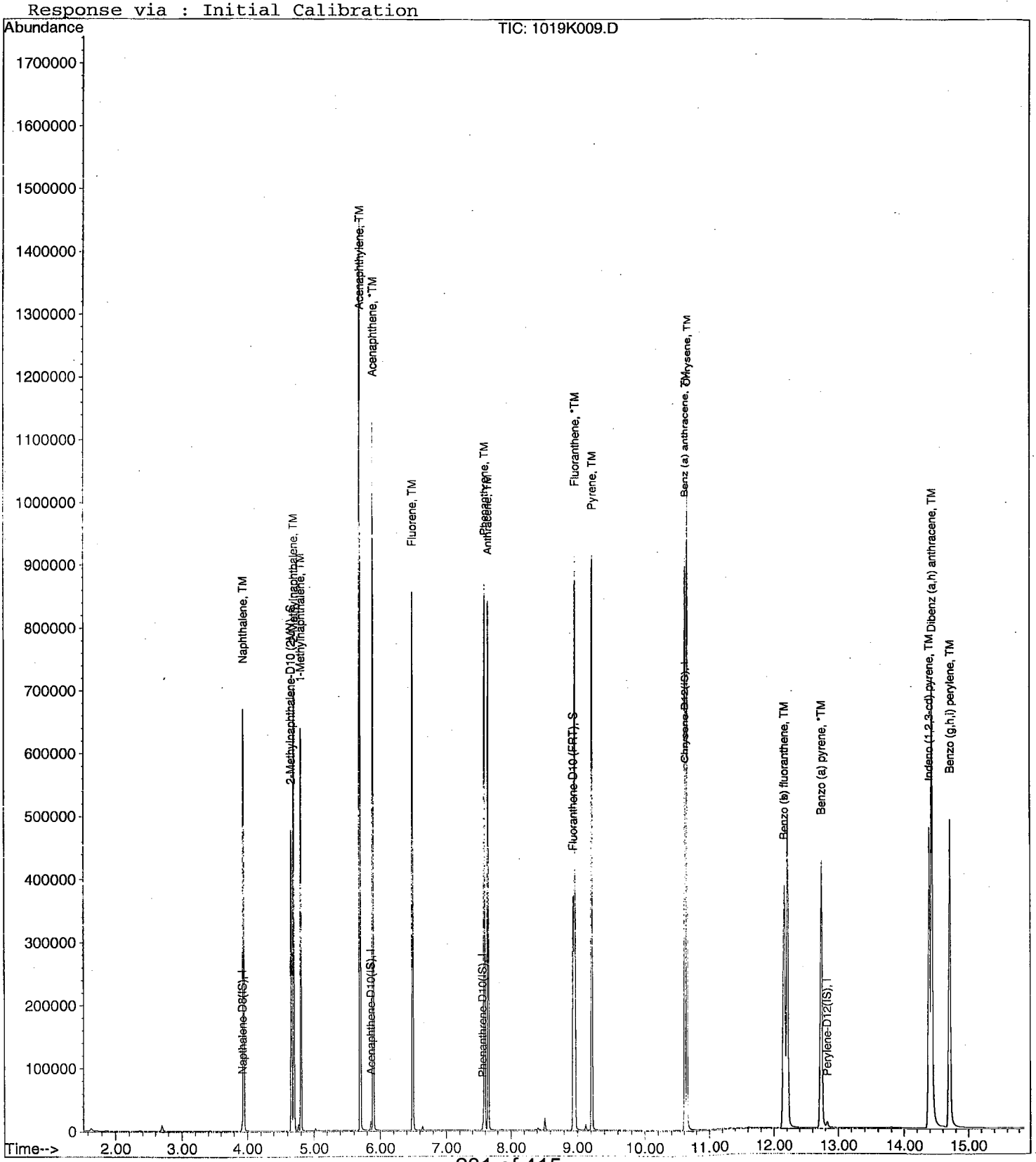
(#) = qualifier out of range (m) = manual integration

Quantitation Report

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

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

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



Form 7

Second Source Calibration

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

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

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

Quantitation Report (Not Reviewed)

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

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

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

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

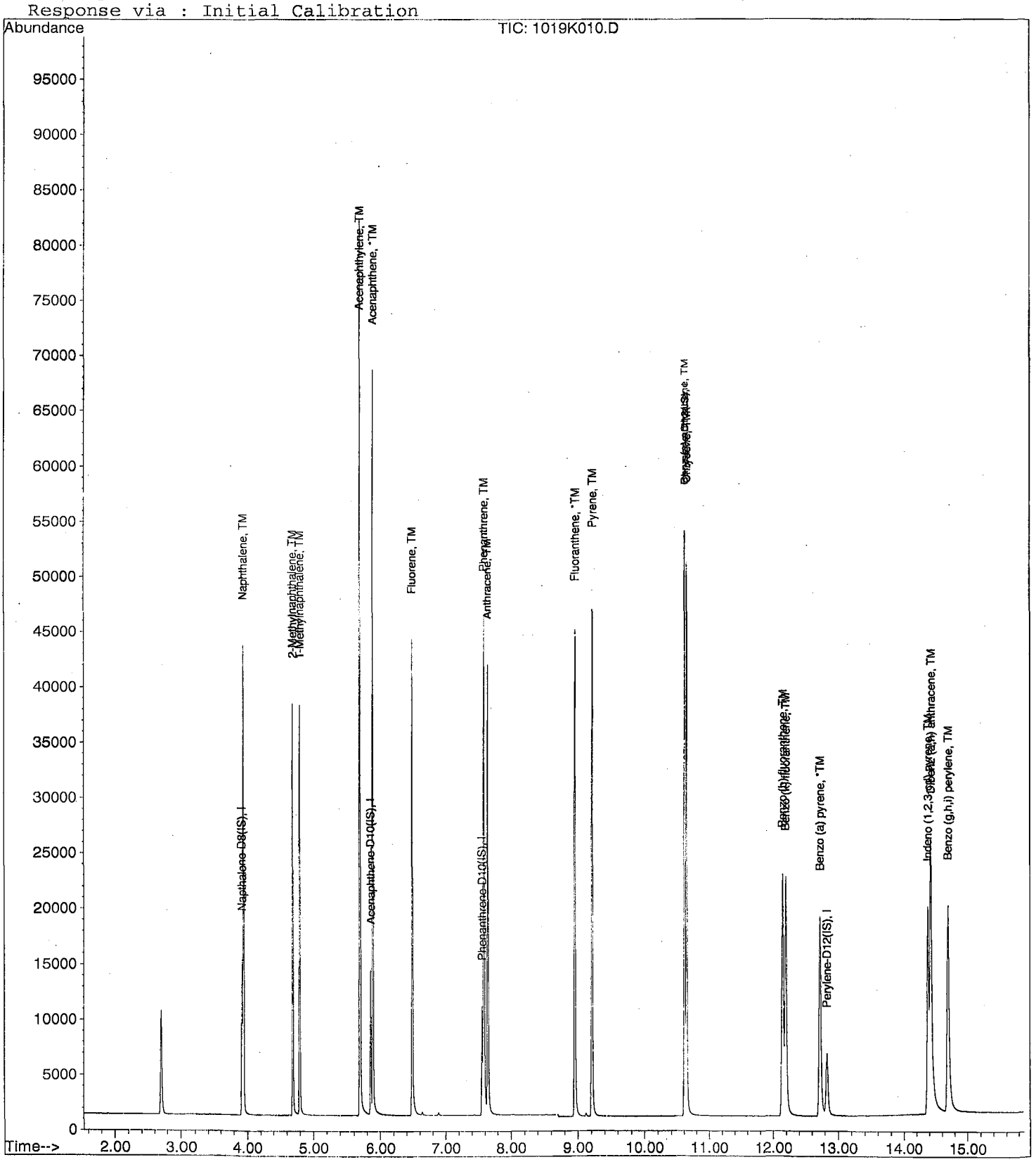
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\KYLO\DATA\211019\1019K010.D 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: 11/18/2021
Instrument: KYLO
Initial Cal. Date: 10/19/2021
Data File: 1019K437.D

		Compound	MEAN	CCRF	%D		%Drift
1	I	Napthalene-D8(IS)	ISTD			I	
2	TM	Naphthalene	1.299	1.339	3.1	TM	
3	S	2-Methylnaphthalene-D10 (2MN)	1.277	1.295	1.5	S	
4	TM	2-Methylnaphthalene	0.7611	0.8111	6.6	TM	
5	TM	1-Methylnaphthalene	0.7681	0.8098	5.4	TM	
6	I	Acenaphthene-D10(IS)	ISTD			I	
7	TM	Acenaphthylene	5.176	5.616	8.5	TM	
8	*TM	Acenaphthene	1.371	1.443	5.3	*TM	
9	TM	Fluorene	1.589	1.671	5.2	TM	
10	I	Phenanthrene-D10(IS)	ISTD			I	
11	TM	Phenanthrene	1.376	1.473	7.0	TM	
12	TM	Anthracene	1.299	1.433	10	TM	
13	S	Fluoranthene-D10 (FRT)	1.949	2.044	4.9	S	
14	*TM	Fluoranthene	2.137	2.376	11	*TM	
15	I	Chrysene-D12(IS)	ISTD			I	
16	TM	Pyrene	1.914	2.011	5.1	TM	
17	TM	Benz (a) anthracene	1.401	1.549	11	TM	
18	TM	Chrysene	1.558	1.561	0.18	TM	
19	TML	Indeno (1,2,3-cd) pyrene	1.272	1.175	7.7	TML	4.2
20	I	Perylene-D12(IS)	ISTD			I	
21	TM	Benzo (b) fluoranthene	1.408	1.588	13	TM	
22	TM	Benzo (k) fluoranthene	1.610	1.654	2.7	TM	
23	*TM	Benzo (a) pyrene	1.341	1.477	10	*TM	
24	TM	Dibenz (a,h) anthracene	1.326	1.375	3.7	TM	
25	TM	Benzo (g,h,i) perylene	1.443	1.517	5.1	TM	
26							
27							
28							
29							
30							
31							
32							
33							
34							
35							
36							
37							
38							
39							
40							
		Average			6.3		

Quantitation Report (Not Reviewed)

Data File : M:\KYLO\DATA\211019\1019K437.D Vial: 137
Acq On : 18 Nov 21 9:01 Operator: LS
Sample : 5 ug/ml 10/19/21 (1) Inst : KYLO
Misc : Multiplr: 1.00

Quant Time: Nov 18 9:17 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)	3.86	136	12784	2.50000 ppb		-0.03
6) Acenaphthene-D10(IS)	5.80	164	6153	2.50000 ppb		-0.06
10) Phenanthrene-D10(IS)	7.49	188	9197	2.50000 ppb		-0.06
15) Chrysene-D12(IS)	10.54	240	11234	2.50000 ppb		-0.07
20) Perylene-D12(IS)	12.71	264	10043	2.50000 ppb		-0.13
System Monitoring Compounds						
3) 2-Methylnaphthalene-D10 (2	4.59	152	16561	2.53683 ppb		-0.06
Spiked Amount 5.000			Recovery	= 50.740%		
13) Fluoranthene-D10 (FRT)	8.86	212	18795	2.62154 ppb		-0.07
Spiked Amount 5.000			Recovery	= 52.440%		
Target Compounds						Qvalue
2) Naphthalene	3.88	128	34223	5.15351 ppb		100
4) 2-Methylnaphthalene	4.63	142	20738	5.32845 ppb		100
5) 1-Methylnaphthalene	4.74	142	20704	5.27111 ppb		100
7) Acenaphthylene	5.63	152	69115	5.42576 ppb		99
8) Acenaphthene	5.83	154	17758	5.26323 ppb		99
9) Fluorene	6.42	166	20561	5.25885 ppb		98
11) Phenanthrene	7.52	178	27090	5.35235 ppb		100
12) Anthracene	7.58	178	26361	5.51432 ppb		99
14) Fluoranthene	8.89	202	43705	5.55854 ppb		97
16) Pyrene	9.14	202	45181	5.25278 ppb		99
17) Benz (a) anthracene	10.53	228	34792	5.52552 ppb		99
18) Chrysene	10.57	228	35064	5.00883 ppb		99
19) Indeno (1,2,3-cd) pyrene	14.28	276	26397	5.21198 ppb	#	97
21) Benzo (b) fluoranthene	12.03	252	31894	5.63899 ppb		98
22) Benzo (k) fluoranthene	12.08	252	33227	5.13726 ppb		99
23) Benzo (a) pyrene	12.60	252	29670	5.50755 ppb		97
24) Dibenz (a,h) anthracene	14.32	278	27610	5.18334 ppb		99
25) Benzo (g,h,i) perylene	14.59	276	30463	5.25505 ppb		99

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

Quantitation Report

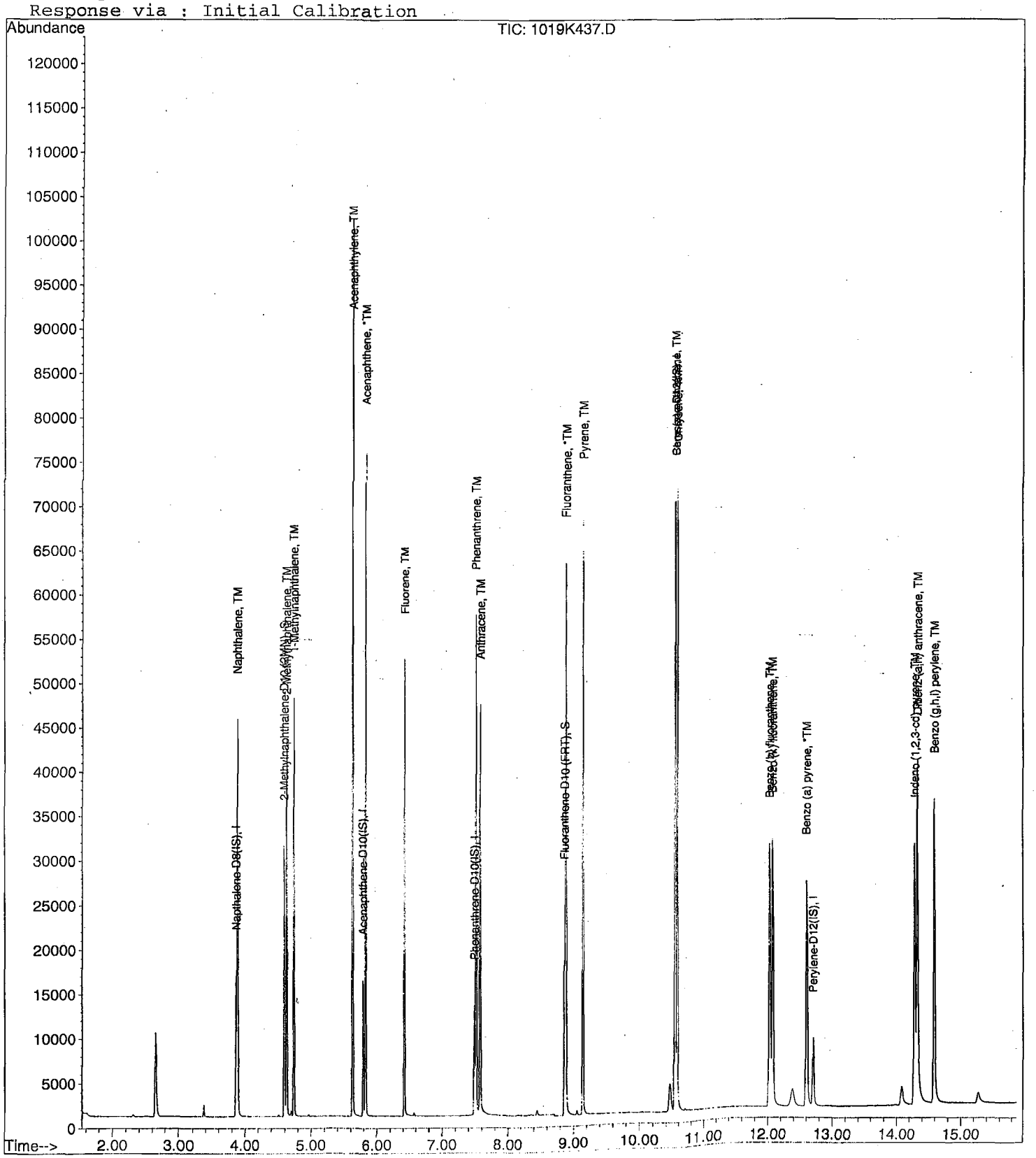
Data File : M:\KYLO\DATA\211019\1019K437.D
Acq On : 18 Nov 21 9:01
Sample : 5 ug/ml 10/19/21 (1)
Misc :

Vial: 137
Operator: LS
Inst : KYLO
Multiplr: 1.00

Quant Time: Nov 18 9:17 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

Ending Continuing Calibration

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

SDG No:
Date Analyzed: 11/18/2021
Instrument: KYLO
Initial Cal. Date: 10/19/2021
Data File: 1019K472.D

		Compound	MEAN	CCRF	%D		%Drift
1	I	Napthalene-D8(IS)	ISTD			I	
2	TM	Naphthalene	1.299	1.303	0.35	TM	
3	S	2-Methylnaphthalene-D10 (2MN)	1.277	1.285	0.68	S	
4	TM	2-Methylnaphthalene	0.7611	0.7941	4.3	TM	
5	TM	1-Methylnaphthalene	0.7681	0.7936	3.3	TM	
6	I	Acenaphthene-D10(IS)	ISTD			I	
7	TM	Acenaphthylene	5.176	5.586	7.9	TM	
8	*TM	Acenaphthene	1.371	1.403	2.3	*TM	
9	TM	Fluorene	1.589	1.670	5.1	TM	
10	I	Phenanthrene-D10(IS)	ISTD			I	
11	TM	Phenanthrene	1.376	1.437	4.5	TM	
12	TM	Anthracene	1.299	1.373	5.7	TM	
13	S	Fluoranthene-D10 (FRT)	1.949	2.130	9.3	S	
14	*TM	Fluoranthene	2.137	2.378	11	*TM	
15	I	Chrysene-D12(IS)	ISTD			I	
16	TM	Pyrene	1.914	1.967	2.8	TM	
17	TM	Benz (a) anthracene	1.401	1.467	4.7	TM	
18	TM	Chrysene	1.558	1.535	1.5	TM	
19	TML	Indeno (1,2,3-cd) pyrene	1.272	1.101	13	TML	2.1
20	I	Perylene-D12(IS)	ISTD			I	
21	TM	Benzo (b) fluoranthene	1.408	1.525	8.3	TM	
22	TM	Benzo (k) fluoranthene	1.610	1.619	0.56	TM	
23	*TM	Benzo (a) pyrene	1.341	1.436	7.1	*TM	
24	TM	Dibenz (a,h) anthracene	1.326	1.289	2.8	TM	
25	TM	Benzo (g,h,i) perylene	1.443	1.432	0.79	TM	
26							
27							
28							
29							
30							
31							
32							
33							
34							
35							
36							
37							
38							
39							
40							
		Average			4.8		

Quantitation Report (Not Reviewed)

Data File : M:\KYLO\DATA\211019\1019K472.D Vial: 22
Acq On : 18 Nov 21 20:38 Operator: LS
Sample : 5 ug/ml 10/13/21 (2) Inst : KYLO
Misc : Multiplr: 1.00

Quant Time: Nov 19 7:35 2021 Quant Results File: K1019.RES

Quant Method : M:\KYLO\DATA\211019\K1019.M (RTE Integrator)
Title : EPA 8270
Last Update : Thu Nov 18 11:41:54 2021
Response via : Initial Calibration
DataAcq Meth : SIM_2

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Napthalene-D8(IS)	3.86	136	14852	2.50000 ppb	0.00
6) Acenaphthene-D10(IS)	5.79	164	7503	2.50000 ppb	-0.07
10) Phenanthrene-D10(IS)	7.49	188	11571	2.50000 ppb	-0.07
15) Chrysene-D12(IS)	10.54	240	14376	2.50000 ppb	-0.07
20) Perylene-D12(IS)	12.71	264	13027	2.50000 ppb	-0.12
System Monitoring Compounds					
3) 2-Methylnaphthalene-D10 (2	4.59	152	19089	2.51692 ppb	0.00
Spiked Amount 5.000			Recovery	= 50.340%	
13) Fluoranthene-D10 (FRT)	8.86	212	24641	2.73179 ppb	-0.07
Spiked Amount 5.000			Recovery	= 54.640%	
Target Compounds					Qvalue
2) Naphthalene	3.89	128	38709	5.01741 ppb	99
4) 2-Methylnaphthalene	4.63	142	23588	5.21684 ppb #	66
5) 1-Methylnaphthalene	4.74	142	23574	5.16610 ppb	86
7) Acenaphthylene	5.63	152	83822	5.39632 ppb	99
8) Acenaphthene	5.83	154	21046	5.11540 ppb	99
9) Fluorene	6.42	166	25063	5.25692 ppb	99
11) Phenanthrene	7.52	178	33256	5.22252 ppb	100
12) Anthracene	7.57	178	31773	5.28280 ppb	100
14) Fluoranthene	8.89	202	55021	5.56203 ppb	100
16) Pyrene	9.14	202	56551	5.13772 ppb	98
17) Benz (a) anthracene	10.53	228	42170	5.23352 ppb	99
18) Chrysene	10.57	228	44132	4.92634 ppb	98
19) Indeno (1,2,3-cd) pyrene	14.28	276	31655	4.89606 ppb	100
21) Benzo (b) fluoranthene	12.02	252	39729	5.41526 ppb	99
22) Benzo (k) fluoranthene	12.07	252	42182	5.02790 ppb	99
23) Benzo (a) pyrene	12.60	252	37420	5.35505 ppb	98
24) Dibenz (a,h) anthracene	14.32	278	33581	4.86022 ppb	98
25) Benzo (g,h,i) perylene	14.58	276	37301	4.96071 ppb	97

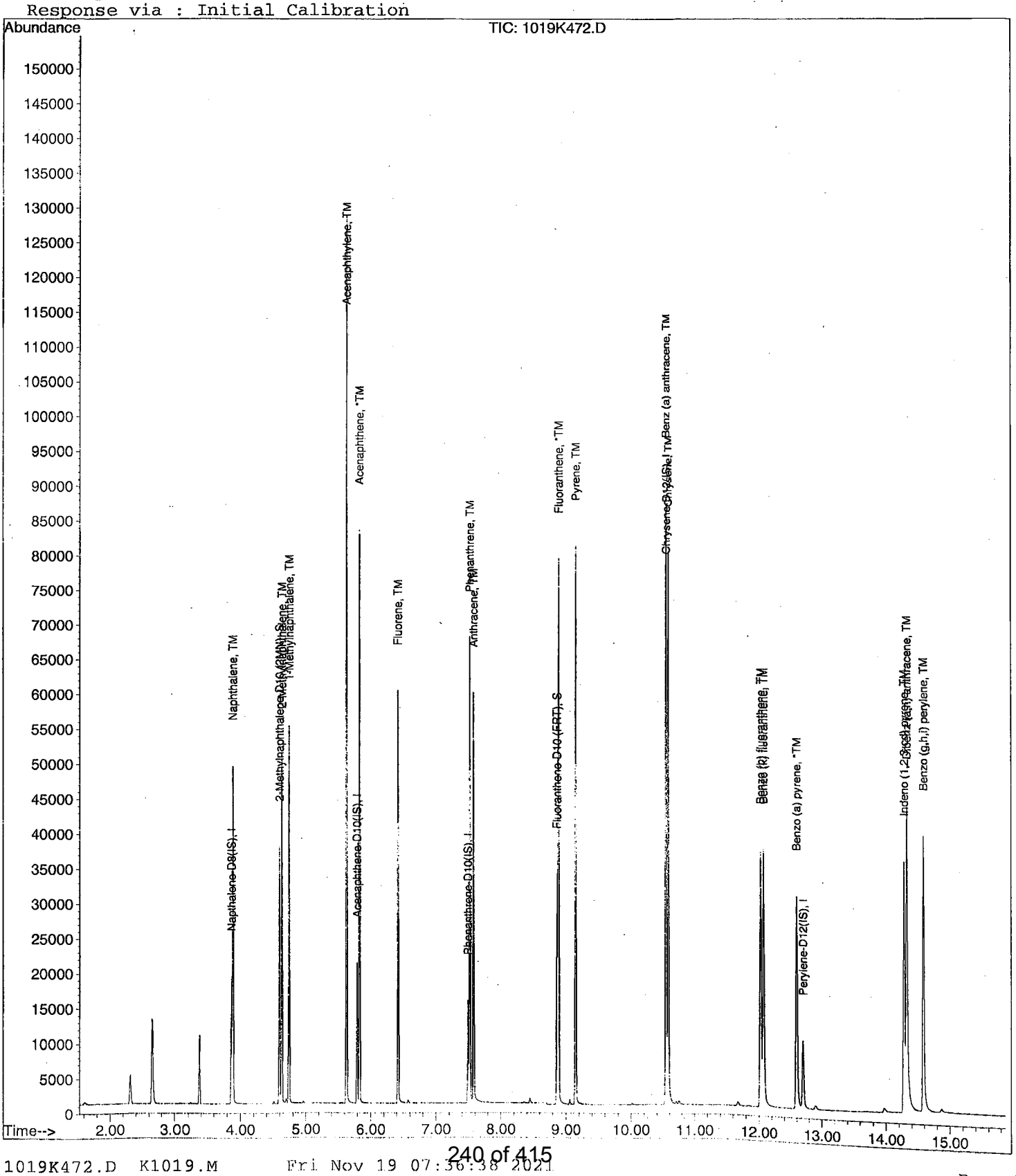
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\KYLO\DATA\211019\1019K472.D Vial: 22
Acq On : 18 Nov 21 20:38 Operator: LS
Sample : 5 ug/ml 10/13/21 (2) Inst : KYLO
Misc : Multiplr: 1.00

Quant Time: Nov 19 7:35 2021 Quant Results File: K1019.RES

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



1019K472.D K1019.M Fri Nov 19 07:36:38 2021

ORGANICS
Raw Data

Quantitation Report (QT Reviewed)

Data File : M:\KYLO\DATA\211019\1019K442.D Vial: 142
Acq On : 18 Nov 21 10:40 Operator: LS
Sample : BA46001W07 1/1000 Inst : KYLO
Misc : Multiplr: 1.00

Quant Time: Nov 18 11:05 2021 Quant Results File: K1019.RES

Quant Method : M:\KYLO\DATA\211019\K1019.M (RTE Integrator)
Title : EPA 8270
Last Update : Thu Nov 18 10:00:46 2021
Response via : Initial Calibration
DataAcq Meth : SIM_2

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Napthalene-D8(IS)	3.86	136	13515	2.50000 ppb	0.00
6) Acenaphthene-D10(IS)	5.79	164	6573	2.50000 ppb	-0.07
10) Phenanthrene-D10(IS)	7.49	188	10029	2.50000 ppb	-0.06
15) Chrysene-D12(IS)	10.54	240	12086	2.50000 ppb	-0.07
20) Perylene-D12(IS)	12.71	264	11119	2.50000 ppb	-0.12
System Monitoring Compounds					
3) 2-Methylnaphthalene-D10 (2	4.59	152	30198	4.37555 ppb	-0.06
Spiked Amount 5.000			Recovery = 87.520%		
13) Fluoranthene-D10 (FRT)	8.86	212	39593	5.06432 ppb	-0.07
Spiked Amount 5.000			Recovery = 101.280%		

Target Compounds Qvalue

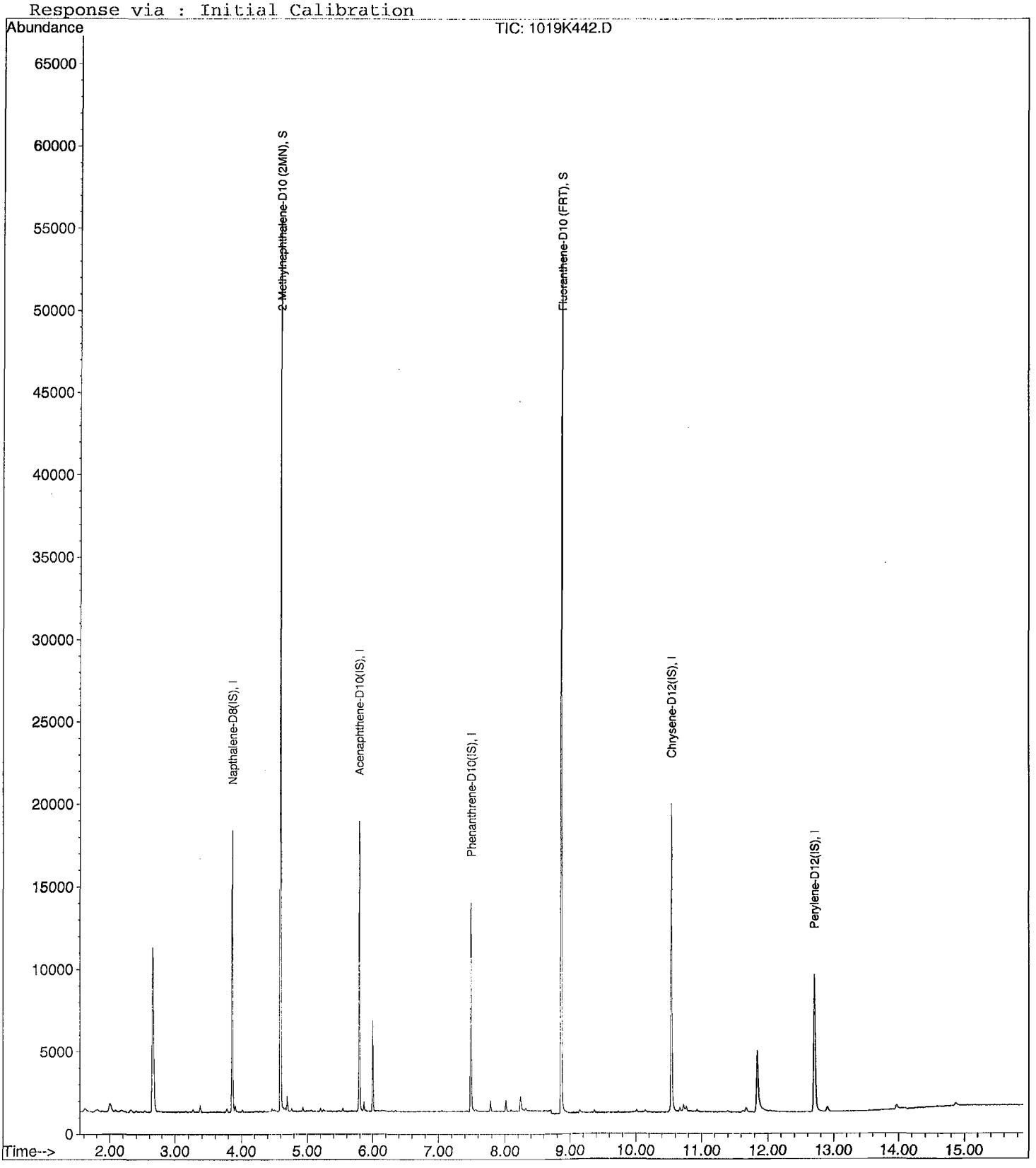
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\KYLO\DATA\211019\1019K442.D Vial: 142
Acq On : 18 Nov 21 10:40 Operator: LS
Sample : BA46001W07 1/1000 Inst : KYLO
Misc : Multiplr: 1.00

Quant Time: Nov 18 11:05 2021 Quant Results File: K1019.RES

Method : M:\KYLO\DATA\211019\K1019.M (RTE Integrator)
Title : EPA 8270
Last Update : Tue Nov 30 08:16:15 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\KYLO\DATA\211019\1019K438.D Vial: 138
Acq On : 18 Nov 21 9:21 Operator: LS
Sample : 211115A BLK 1/1000 Inst : KYLO
Misc : Multiplr: 1.00

Quant Time: Nov 18 9:40 2021 Quant Results File: K1019.RES

Quant Method : M:\KYLO\DATA\211019\K1019.M (RTE Integrator)
Title : EPA 8270
Last Update : Thu Nov 18 09:39:15 2021
Response via : Initial Calibration
DataAcq Meth : SIM_2

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Napthalene-D8(IS)	3.86	136	12866	2.50000 ppb	0.00
6) Acenaphthene-D10(IS)	5.79	164	6185	2.50000 ppb	-0.07
10) Phenanthrene-D10(IS)	7.49	188	9328	2.50000 ppb	-0.06
15) Chrysene-D12(IS)	10.55	240	11283	2.50000 ppb	-0.07
20) Perylene-D12(IS)	12.71	264	10568	2.50000 ppb	-0.12
System Monitoring Compounds					
3) 2-Methylnaphthalene-D10 (2	4.59	152	28143	4.28349 ppb	-0.06
Spiked Amount 5.000			Recovery = 85.660%		
13) Fluoranthene-D10 (FRT)	8.87	212	36877	5.07140 ppb	-0.07
Spiked Amount 5.000			Recovery = 101.420%		
Target Compounds					Qvalue

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

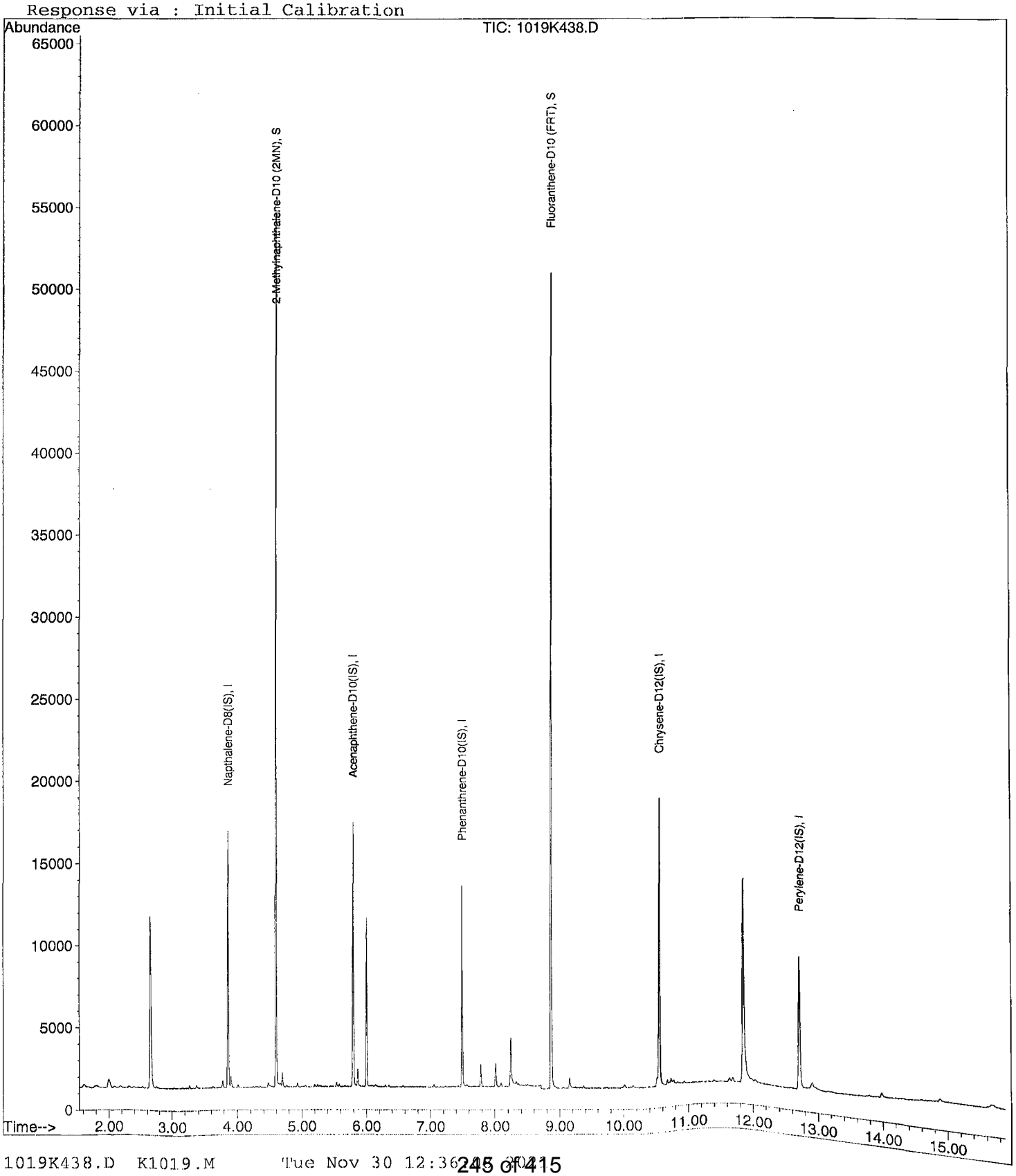
Quantitation Report

Data File : M:\KYLO\DATA\211019\1019K438.D
Acq On : 18 Nov 21 9:21
Sample : 211115A BLK 1/1000
Misc :

Vial: 138
Operator: LS
Inst : KYLO
Multiplr: 1.00

Quant Time: Nov 18 9:40 2021 Quant Results File: K1019.RES

Method : M:\KYLO\DATA\211019\K1019.M (RTE Integrator)
Title : EPA 8270
Last Update : Tue Nov 30 08:16:15 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\KYLO\DATA\211019\1019K439.D Vial: 139
Acq On : 18 Nov 21 9:40 Operator: LS
Sample : 211115A LCS-1 1/1000 Inst : KYLO
Misc : Multiplr: 1.00

Quant Time: Nov 18 10:00 2021 Quant Results File: K1019.RES

Quant Method : M:\KYLO\DATA\211019\K1019.M (RTE Integrator)
Title : EPA 8270
Last Update : Thu Nov 18 10:00:46 2021
Response via : Initial Calibration
DataAcq Meth : SIM_2

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Napthalene-D8(IS)	3.86	136	12352	2.50000 ppb	0.00
6) Acenaphthene-D10(IS)	5.79	164	6114	2.50000 ppb	-0.07
10) Phenanthrene-D10(IS)	7.49	188	9269	2.50000 ppb	-0.06
15) Chrysene-D12(IS)	10.54	240	11195	2.50000 ppb	-0.07
20) Perylene-D12(IS)	12.71	264	10472	2.50000 ppb	-0.13
System Monitoring Compounds					
3) 2-Methylnaphthalene-D10 (2	4.59	152	28469	4.51342 ppb	-0.06
Spiked Amount 5.000			Recovery	= 90.260%	
13) Fluoranthene-D10 (FRT)	8.86	212	36454	5.04513 ppb	-0.07
Spiked Amount 5.000			Recovery	= 100.900%	
Target Compounds					Qvalue
2) Naphthalene	3.88	128	25551	3.98220 ppb	100
4) 2-Methylnaphthalene	4.63	142	15297	4.06790 ppb	100
5) 1-Methylnaphthalene	4.74	142	15329	4.03916 ppb	100
7) Acenaphthylene	5.63	152	52725	4.16549 ppb	99
8) Acenaphthene	5.83	154	13708	4.08878 ppb	98
9) Fluorene	6.42	166	16036	4.12766 ppb	98
11) Phenanthrene	7.52	178	21413	4.19784 ppb	100
12) Anthracene	7.57	178	20044	4.16033 ppb	100
14) Fluoranthene	8.89	202	34932	4.40825 ppb	100
16) Pyrene	9.14	202	35938	4.19274 ppb	100
17) Benz (a) anthracene	10.53	228	27124	4.32273 ppb	99
18) Chrysene	10.57	228	28289	4.05511 ppb	99
19) Indeno (1,2,3-cd) pyrene	14.28	276	20381	4.08091 ppb	95
21) Benzo (b) fluoranthene	12.03	252	25973	4.40401 ppb	99
22) Benzo (k) fluoranthene	12.08	252	27675	4.10357 ppb	99
23) Benzo (a) pyrene	12.60	252	23366	4.15967 ppb	99
24) Dibenz (a,h) anthracene	14.32	278	22654	4.07870 ppb	96
25) Benzo (g,h,i) perylene	14.59	276	24558	4.06286 ppb	99

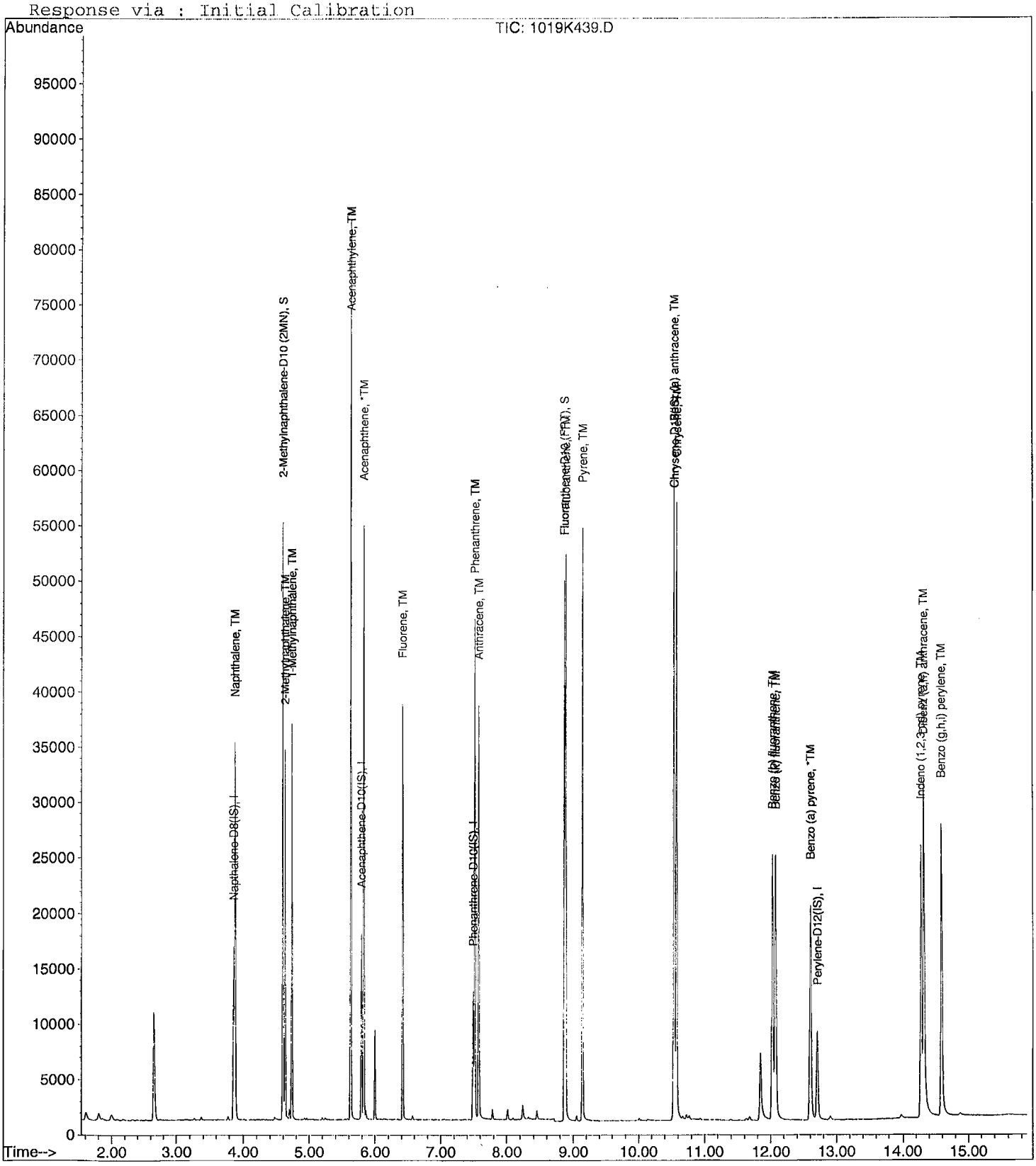
(#) = qualifier out of range (m) = manual integration

Data File : M:\KYLO\DATA\211019\1019K439.D
Acq On : 18 Nov 21 9:40
Sample : 211115A LCS-1 1/1000
Misc :

Vial: 139
Operator: LS
Inst : KYLO
Multiplr: 1.00

Quant Time: Nov 18 10:00 2021 Quant Results File: K1019.RES

Method : M:\KYLO\DATA\211019\K1019.M (RTE Integrator)
Title : EPA 8270
Last Update : Tue Nov 30 08:16:15 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\KYLO\DATA\211019\1019K440.D Vial: 140
Acq On : 18 Nov 21 10:00 Operator: LS
Sample : 211115A LCSD-1 1/1000 Inst : KYLO
Misc : Multiplr: 1.00

Quant Time: Nov 18 10:20 2021 Quant Results File: K1019.RES

Quant Method : M:\KYLO\DATA\211019\K1019.M (RTE Integrator)
Title : EPA 8270
Last Update : Thu Nov 18 10:00:46 2021
Response via : Initial Calibration
DataAcq Meth : SIM_2

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Napthalene-D8(IS)	3.86	136	12851	2.50000	ppb		0.00
6) Acenaphthene-D10(IS)	5.79	164	6340	2.50000	ppb		-0.07
10) Phenanthrene-D10(IS)	7.49	188	9491	2.50000	ppb		-0.06
15) Chrysene-D12(IS)	10.54	240	11677	2.50000	ppb		-0.07
20) Perylene-D12(IS)	12.71	264	10742	2.50000	ppb		-0.12
System Monitoring Compounds							
3) 2-Methylnaphthalene-D10 (2	4.59	152	28986	4.41695	ppb		-0.06
Spiked Amount 5.000			Recovery =	88.340%			
13) Fluoranthene-D10 (FRT)	8.86	212	35741	4.83076	ppb		-0.07
Spiked Amount 5.000			Recovery =	96.620%			
Target Compounds							Qvalue
2) Naphthalene	3.89	128	24264	3.63478	ppb		99
4) 2-Methylnaphthalene	4.63	142	14516	3.71032	ppb		99
5) 1-Methylnaphthalene	4.74	142	14431	3.65489	ppb		100
7) Acenaphthylene	5.63	152	49233	3.75096	ppb		99
8) Acenaphthene	5.83	154	12617	3.62921	ppb		99
9) Fluorene	6.42	166	14885	3.69482	ppb		98
11) Phenanthrene	7.52	178	19739	3.77915	ppb		100
12) Anthracene	7.57	178	18321	3.71376	ppb		100
14) Fluoranthene	8.89	202	32001	3.94391	ppb		99
16) Pyrene	9.14	202	32634	3.65012	ppb		99
17) Benz (a) anthracene	10.53	228	24722	3.77729	ppb		99
18) Chrysene	10.57	228	25985	3.57109	ppb		99
19) Indeno (1,2,3-cd) pyrene	14.28	276	18574	3.58954	ppb	#	94
21) Benzo (b) fluoranthene	12.02	252	23909	3.95214	ppb		97
22) Benzo (k) fluoranthene	12.07	252	25463	3.68068	ppb		99
23) Benzo (a) pyrene	12.60	252	21595	3.74776	ppb		99
24) Dibenz (a,h) anthracene	14.32	278	19960	3.50334	ppb		96
25) Benzo (g,h,i) perylene	14.58	276	22408	3.61398	ppb		95

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

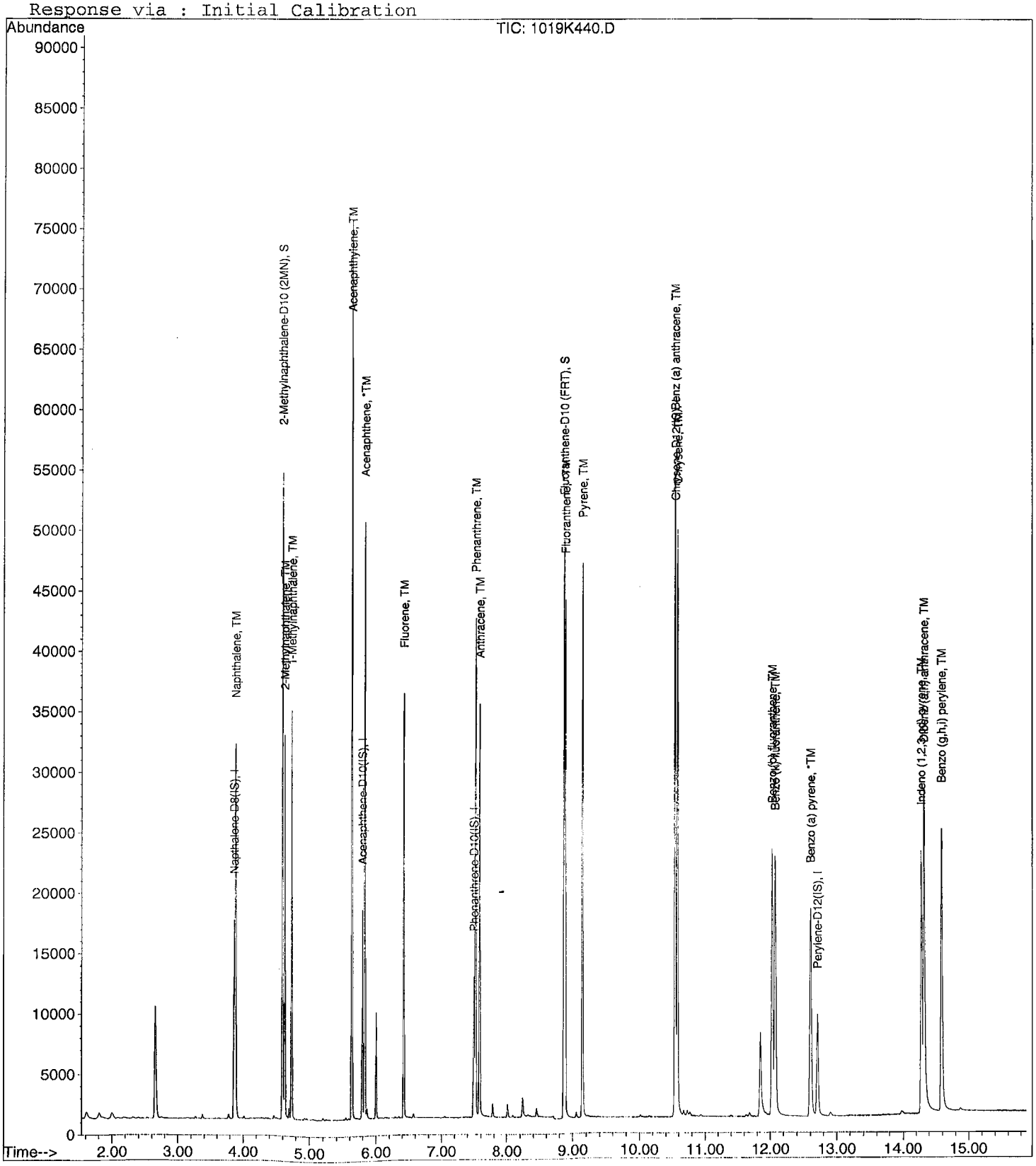
Quantitation Report

Data File : M:\KYLO\DATA\211019\1019K440.D
Acq On : 18 Nov 21 10:00
Sample : 211115A LCSD-1 1/1000
Misc :

Vial: 140
Operator: LS
Inst : KYLO
Multiplr: 1.00

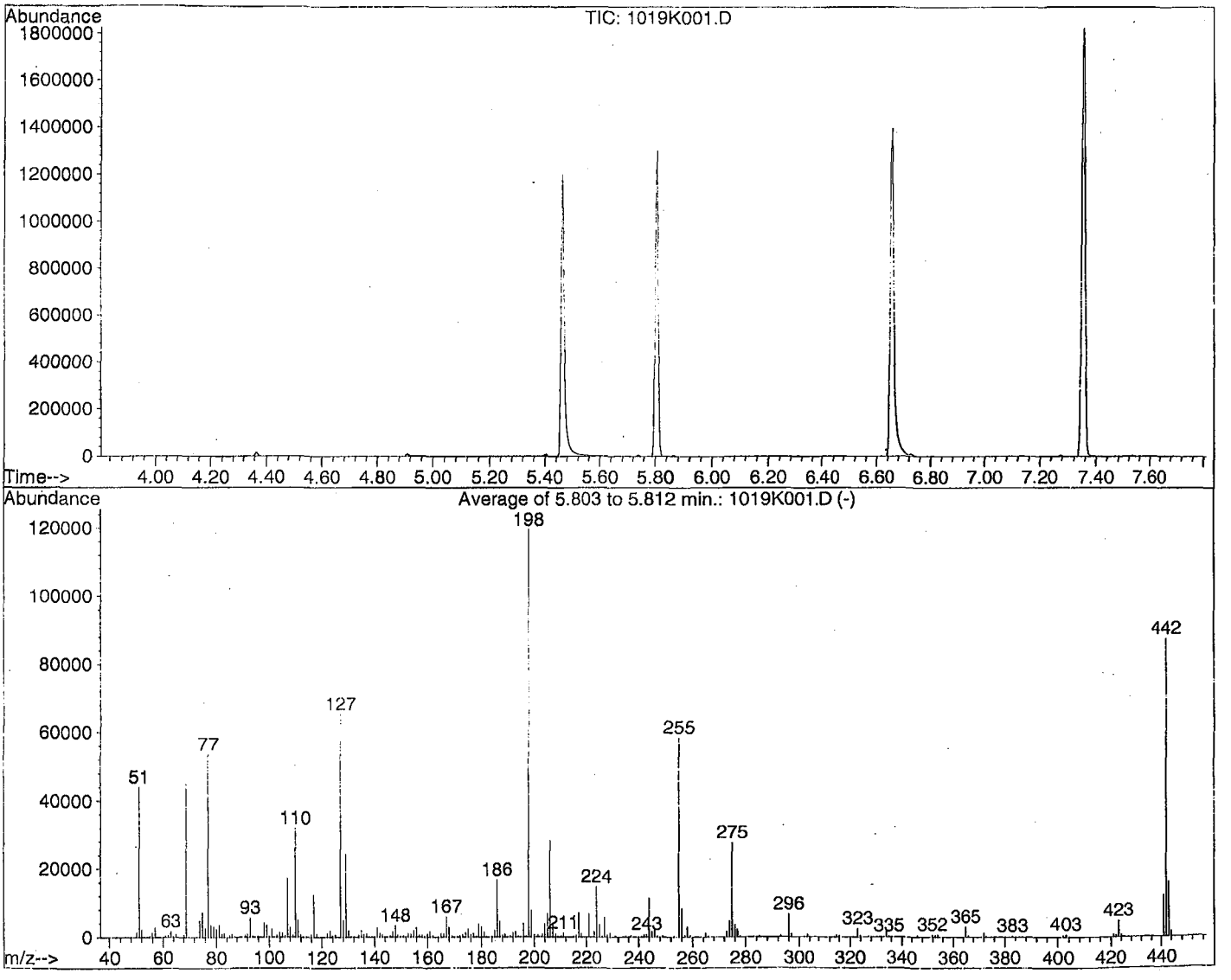
Quant Time: Nov 18 10:20 2021 Quant Results File: K1019.RES

Method : M:\KYLO\DATA\211019\K1019.M (RTE Integrator)
Title : EPA 8270
Last Update : Tue Nov 30 08:16:15 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

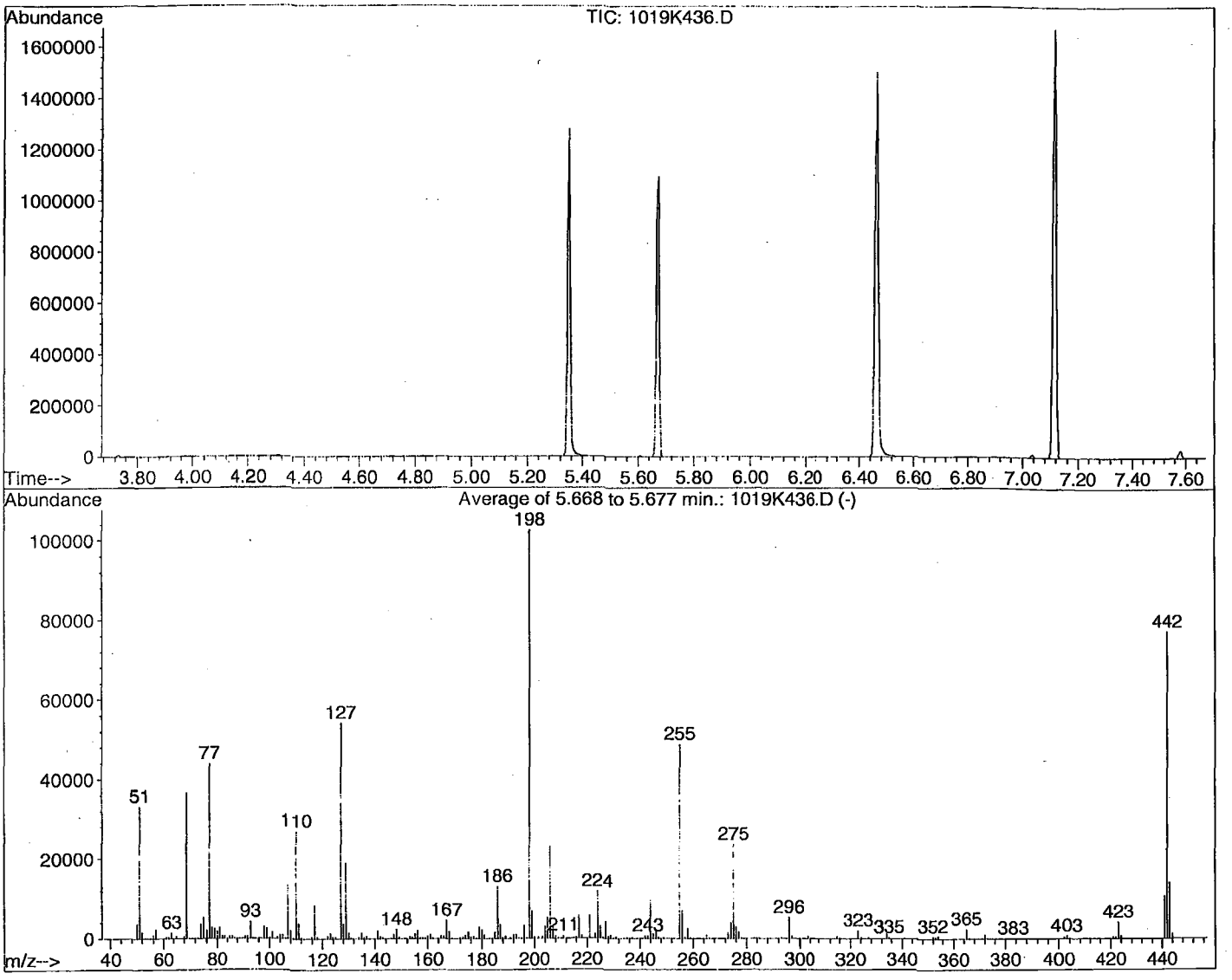
Data File Name:	**1019K001.D**
Data File Path:	**M:\KYLO\DATA\211019**
Operator:	**LS**
Date Acquired:	**19 Oct 2021 13:58**
Method File:	**DFTPP2.M**
Sample Name:	**SV TUNE 7/2/21**
Vial Number:	**1**
Instrument Name:	**KYLO**

#	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\1019K436.D
Acq On : 18 Nov 21 8:49
Sample : SV TUNE 7/2/21
Misc :

Vial: 136
Operator: LS
Inst : KYLO
Multiplr: 1.00

Method : M:\KYLO\DATA\211019\K1019.M (RTE Integrator)
Title : EPA 8270



AutoFind: Scans 447, 448, 449; Background Corrected with Scan 441

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	32.3	33215	PASS
68	69	0.00	2	1.5	562	PASS
70	69	0.00	2	0.5	189	PASS
127	198	10	80	52.8	54210	PASS
197	198	0.00	2	0.3	333	PASS
198	198	100	100	100.0	102699	PASS
199	198	5	9	6.7	6887	PASS
275	198	10	60	23.0	23627	PASS
365	198	1	100	2.4	2468	PASS
441	442	0.01	24	13.9	10754	PASS
442	198	50	500	75.4	77456	PASS
443	442	15	24	18.2	14130	PASS

Data File Name:	**1019K436.D**
Data File Path:	**M:\KYLO\DATA\211019**
Operator:	**LS**
Date Acquired:	**18 Nov 2021 08:49**
Method File:	**DFTPP2.M**
Sample Name:	**SV TUNE 7/2/21**
Vial Number:	**136**
Instrument Name:	**KYLO**

#	Name	Ret Time	Target Response
1)	DDT	7.12	13432000
2)	DDD	6.78	0
3)	DDE	6.57	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

ame of Final Standard	PAH SIM Stock (Ampule)
rep Date	6/17/2021
xp Date	6/17/2022

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	ALO-130490	200 ug/mL	**CL13121-52443**	**12/31/2022**	1000 uL	1mL	**NA**	200 ug/mL

Name of Final Standard	**SIM Surrogate**
Prep Date	6/17/2021
Exp Date	6/17/2022

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	**A0161454-50793**	**5/31/2026**	1 mL	20 mL	**Acetone #0246130**	100 ug/mL

Name of Final Standard	**8270 SIM PAH Internal Standard**
Prep Date	6/17/2021
Exp Date	6/17/2022

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)
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 Date	6/17/2021
Exp Date	6/17/2022

Prep'd By 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	ALO-130490	200 ug/mL	**CL13117-51757**	**12/31/2022**	1000 uL	1mL	**NA**	200 ug/mL

Name of Final Standard	**5 SIM CCV (2x)**	**Prep'd By (Initials)**	**LS**
Prep Date	**10/19/2021**		
Exp Date	**6/17/2022**		

Initial Standard Information						Final Standard Information			
Name of Initial Standard (from container Label)	Supplier	Supplier P/N# (or APPL Mix Name)	Conc.(range)	Lot # with QA # (or reference to APPL prep date)	Exp Date	Aliquot from Stock	Final Volume	Final Solvent + Lot# (or APPL Prep Date)	Final Standard Conc (range)
SIM STOCK	APPL	SIM STOCK	200 ug/mL	**6/17/2021**	**12/31/2022**	5 uL	200uL	**MC 61117 190 uL**	5.0 ug/mL
SIM SURROGATE	APPL	SIM SURR	100 ug/mL	**6/17/2021**	**5/31/2026**	5 uL	*	*	2.5ug/mL
SIM Internal Standard	APPL	SIM Internal Standard	125 ug/mL	**6/17/2021**	**6/30/2026**	4 uL	*	*	2.5ug/mL

Name of Final Standard	SIM Surrogate	Prep'd By (Initials)	LS/IC
Prep Date	9/21/2021		
Exp Date	9/21/2022		

Initial Standard Information						Final Standard Information			
Name of Initial Standard (from contianer Label)	Supplier	Supplier P/N# (or APPL Mix Name)	Conc.(range)	Lot # with QA # (or reference to APPL prep date)	Exp Date	Aliquot from Stock	Final Volume	Final Solvent + Lot# (or APPL Prep Date)	Final Standard Conc (range)
Sim Surrogate Deuterated	Restek	33913	2000 ug/mL	A0173323-52639	5/31/2027	1 mL	20 mL	Acetone #0246130	100 ug/mL

Name of Final Standard	SIM Surrogate	Prep'd By (Initials)	LS
Prep Date	8/24/2021		
Exp Date	8/24/2022		

Initial Standard Information						Final Standard Information			
Name of Initial Standard (from contianer Label)	Supplier	Supplier P/N# (or APPL Mix Name)	Conc.(range)	Lot # with QA # (or reference to APPL prep date)	Exp Date	Aliquot from Stock	Final Volume	Final Solvent + Lot# (or APPL Prep Date)	Final Standard Conc (range)
Sim Surrogate Deuterated	Restek	33913	2000 ug/mL	A0173323-52640	5/31/2027	1 mL	20 mL	Acetone #0246130	100 ug/mL

Name of Final Standard	**SIM Spike**
Prep 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'd By (Initials)	LS
Prep Date	8/24/2021		
Exp Date	8/24/2022		

Initial Standard Information						Final Standard Information			
Name of Initial Standard (from contianer Label)	Supplier	Supplier P/N# (or APPL Mix Name)	Conc.(range)	Lot # with QA # (or reference to APPL prep date)	Exp Date	Aliquot from Stock	Final Volume	Final Solvent + Lot# (or APPL Prep Date)	Final Standard Conc (range)
Sim Surrogate Deuterated	Restek	33913	2000 ug/mL	A0173323-52640	5/31/2027	1 mL	20 mL	Acetone #0246130	100 ug/mL

Name of Final Standard	SIM Surrogate	Prep'd By (Initials)	LS/IC
Prep Date	9/21/2021		
Exp Date	9/21/2022		

Initial Standard Information						Final Standard Information			
Name of Initial Standard (from contianer Label)	Supplier	Supplier P/N# (or APPL Mix Name)	Conc.(range)	Lot # with QA # (or reference to APPL prep date)	Exp Date	Aliquot from Stock	Final Volume	Final Solvent + Lot# (or APPL Prep Date)	Final Standard Conc (range)
Sim Surrogate Deuterated	Restek	33913	2000 ug/mL	A0173323-52639	5/31/2027	1 mL	20 mL	Acetone #0246130	100 ug/mL

Organic Extraction Worksheet

Method	Continuous Liquid/Liquid SVOC 3520C	Extraction Set	211115A	Extraction Method	LIQ003	Units	mL

Spiked ID 1	Sim Spike 10-21-21 10-21-22		Surrogate ID 1	SIM Surrogate 10-21-21 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:	11/15/21 13:18	
Spiked ID 8			Ext. End Time:	11/16/21 7:19	
			GC Requires Extract By:		

pH1	14	11/15/21 10:37	Water Bath Temp 1 °C	75/74.5 E-WB5 °
pH2	14	11/16/21 10:25	Water Bath Temp 2 °C	
pH3			Water Bath Temp 3 °C	

Spiked By: SR **Date** 11/15/2021 **Witnessed By:** CG **Date** 11/15/2021

	Sample	Sample Container	Spike Amount	Spike ID	Surrogate Amount	Surrogate ID	Extract Amount	Final Volume	pH	Extract Date/Time	Comments
1	211115A Blk				0.050	1	1000	1	14	11/15/21 10:23	
						equip	E-HP15 E-WB5				
2	211115A LCS-1		0.125	1	0.050	1	1000	1	14	11/15/21 10:23	
						equip	E-HP16 E-WB5				
3	211115A LCSD-1		0.125	1	0.050	1	1000	1	14	11/15/21 10:23	
						equip	E-HP17 E-WB5				
4	BA45998	BA45998W09			0.050	1	1000	1	14	11/15/21 10:23	98209
						equip	E-HP19 E-WB5				
5	BA46001	BA46001W07			0.050	1	1000	1	14	11/15/21 10:23	98213
						equip	E-HP20 E-WB5				
6	BA46103	BA46103W07			0.050	1	950	1	14	11/15/21 10:23	98214
						equip	E-HP21 E-WB5				
7	BA46105	BA46105W07			0.050	1	1050	1	14	11/15/21 10:23	98214
						equip	E-HP13 E-WB5				
8	BA46107	BA46107W07			0.050	1	1030	1	14	11/15/21 10:23	98214
						equip	E-HP23 E-WB5				
9	BA46109	BA46109W07			0.050	1	1000	1	14	11/15/21 10:23	98214 Extractor broke lost extract redo
						equip	E-HP24 E-WB5				
10	BA46109 (DUP)	BA46109W08			0.050	1	1000	1	14	11/16/21 10:20	98214 RE-DO
						equip	E-HP15 E-WB5				
11	BA46115	BA46115W07			0.050	1	1000	1	14	11/15/21 10:23	98212
						equip	E-HP16 E-WB5				
12	BA46116	BA46116W05			0.050	1	1000	1	14	11/15/21 10:23	98212
						equip	E-HP17 E-WB5				
13	BA46117	BA46117W02			0.050	1	1010	1	14	11/15/21 10:23	98212
						equip	E-HP19 E-WB5				

Solvent and Lot#	
PH Strips	HC155968
Dichloromethane (DCM)	61117
10N NaO (10mLs)	10-17-21
Filter Paper	400202
Na2SO4	2021071206

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

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

Modified	11/18/2021 6:54:19 AM

Reviewed By: KY **Date** 11/18/2021

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	136	1019K436.D	1	SV TUNE 7/2/21		18 Nov 21 8:49
12	137	1019K437.D	1	5 ug/ml 10/19/21 (1)		18 Nov 21 9:01
13	138	1019K438.D	1	211115A BLK 1/1000		18 Nov 21 9:21
14	139	1019K439.D	1	211115A LCS-1 1/1000		18 Nov 21 9:40
15	140	1019K440.D	1	211115A LCSD-1 1/1000		18 Nov 21 10:00
17	142	1019K442.D	1	BA46001W07 1/1000		18 Nov 21 10:40
25	22	1019K472.D	1	5 ug/ml 10/13/21 (2)		18 Nov 21 20:38

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: 11/11/2021
Matrix: Water Instrument: Max Initials: PA

		Compound	1111M22.D	1111M23.D	1111M24.D	1111M25.D	1111M26.D	1111M27.D	1111M28.D	1111M29.D	1111M30.D		Avg	%RSD	Type	r^2	Q	MRF
1	I	Fluorobenzene (IS)																
2	TM	Chlorotrifluoroethene													TM			
3	TM	Dichlorodifluoromethane	0.1582	0.1063	0.1229	0.1502	0.1056	0.1433	0.1387	0.1398	0.1412		0.13	14	TM			
4	TM	Freon 114		0.0917	0.0744	0.1084	0.0821	0.0931	0.0915	0.0937	0.0939		0.09	11	TM			
5	TM**L	Chloromethane	0.1121	0.1127	0.0790	0.0991	0.0732	0.0822	0.0700	0.0792	0.0777		0.09	19	TM**	0.998		
6	TM*	Vinyl chloride		0.1042	0.1114	0.0926	0.0833	0.0823	0.0903	0.0889	0.0886		0.09	11	TM*			
7	TM	2-Chloro-1,1,1-trifluoroethane													TM			
8	TM	Bromomethane	0.1164	0.1289	0.0902	0.1244	0.0986	0.0969	0.0935	0.0907	0.0887		0.10	15	TM			
9	TML	Chloroethane	0.1537	0.1121	0.0922	0.0955	0.0746	0.0671	0.0572	0.0570			0.09	37	TM	0.998		
10	TM	Dichlorofluoromethane	0.1978	0.1917	0.1935	0.2084	0.2089	0.2252	0.2106	0.2211	0.2111		0.21	5.5	TM			
11	TM	Trichlorofluoromethane	0.1743	0.2514	0.2631	0.3059	0.2608	0.2970	0.2789	0.2864	0.2722		0.27	14	TM			
12	TM	2,2-Dichloro-1,1,1-trifluoroethane													TM			
13	TM	Acrolein	0.0127	0.0113	0.0124	0.0124	0.0111	0.0109	0.0114	0.0114	0.0115		0.01	5.5	TM			
14	TM	Acetone	0.0334	0.0306	0.0294	0.0290	0.0286	0.0297	0.0298	0.0294	0.0309		0.03	4.7	TM			
15	TM	Freon-113	0.0804	0.1028	0.1281	0.1353	0.1249	0.1257	0.1164	0.1236	0.1159		0.12	14	TM			
16	TM	Acetonitrile	0.0087	0.0070	0.0074	0.0069	0.0073	0.0075	0.0074	0.0076	0.0078		0.01	7.1	TM			
17	TML	2-propanol													TM			
18	TM	1,2-Dichlorotrifluoroethane	0.1978	0.1917	0.1935	0.2084	0.2089	0.2252	0.2106	0.2211	0.2111		0.21	5.5	TM			
19	TM*L	1,1-DCE	0.0984	0.1286	0.1851	0.1594	0.1436	0.1641	0.1555	0.1610	0.1586		0.15	16	TM*	1.000		
20	TM	t-Butanol	0.0117	0.0095	0.0093	0.0103	0.0106	0.0098	0.0098	0.0123			0.01	10	TM			
21	TM	Methyl Acetate	0.0495	0.0578	0.0493	0.0524	0.0533	0.0514	0.0449	0.0496	0.0474		0.05	7.3	TM			
22	TML	Iodomethane	0.0644	0.0803	0.1026	0.1089	0.0993	0.1196	0.1265	0.1445	0.1473		0.11	25	TM	0.999		
23	TML	Acrylonitrile	0.0038	0.0147	0.0254	0.0286	0.0269	0.0288	0.0278	0.0283	0.0272		0.02	37	TM	1.000		
24	TML	2-Methylpentane													TM			
25	TML	Methylene chloride		0.0585	0.0660	0.1056	0.0992	0.1040	0.1009	0.1017	0.0997		0.09	20	TM	1.000		
26	TM	Carbon disulfide	0.1170	0.1289	0.1337	0.1320	0.1267	0.1248	0.1167	0.1250	0.1120		0.12	6.0	TM			
27	TML	Methyl t-butyl ether (MtBE)	0.1854	0.3828	0.3082	0.3574	0.3625	0.3605	0.3385	0.3612	0.3273		0.33	18	TM	0.998		
28	TM	Trans-1,2-DCE	0.0798	0.1169	0.1120	0.0968	0.1078	0.1086	0.1052	0.1100	0.1042		0.10	10	TM			
29	TML	3-Methylpentane	0.0875	0.0619	0.0829	0.0558	0.0561	0.0575	0.0566	0.0601	0.0543		0.06	20	TM	0.998		
30	TM	Hexane													TM			
31	TM	Diisopropyl Ether	0.1759	0.1391	0.2210	0.2330	0.2281	0.2247	0.2247	0.2338	0.2258		0.21	15	TM			
32	TM**	1,1-DCA	0.1454	0.1432	0.2014	0.1930	0.1749	0.1854	0.1765	0.1775	0.1684		0.17	11	TM**			
33	TM	Vinyl Acetate													TM			
34	TM	Ethyl tert Butyl Ether	0.2765	0.2891	0.2692	0.3049	0.2933	0.2823	0.2693	0.2846	0.2679		0.28	4.5	TM			
35	TML	Methylcyclopentane				0.0130	0.0127	0.0137	0.0129	0.0114	0.0105		0.01	9.5	TM	0.998		

VOLATILE ORGANIC ANALYSIS BY
EPA METHOD 8260B

Form 6
Initial Calibration

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

		Compound	1	2	3	4	5	6	7	8	9		Avg	%RSD	Type		Q	MRF
36	TM	MEK (2-Butanone)	0.0384	0.0311	0.0302	0.0348	0.0322	0.0308	0.0311	0.0315	0.0316		0.03	8.0	TM			
37	TML	Cis-1,2-DCE	0.0570	0.1140	0.1354	0.1450	0.1324	0.1233	0.1282	0.1250	0.1201		0.12	21	TM	1.000		
38	TM	2,2-Dichloropropane	0.1733	0.2499	0.2508	0.2593	0.2146	0.2434	0.2196	0.2259	0.2129		0.23	12	TM			
39	TM*	Chloroform	0.1909	0.2713	0.2360	0.2606	0.2547	0.2436	0.2419	0.2487	0.2374		0.24	9.3	TM*			
40	TML	Bromochloromethane	0.0612	0.1143	0.1032	0.1178	0.1064	0.1064	0.1015	0.1004	0.0965		0.10	16	TM	1.000		
41	S	Dibromofluoromethane(S)	0.3428	0.3337	0.2948	0.2986	0.3078	0.3132	0.3127	0.3158	0.2850		0.31	5.8	S			
42	TML	1,1,1-TCA	0.1485	0.2917	0.2837	0.3024	0.2812	0.2793	0.2790	0.2818	0.2641		0.27	17	TM	0.999		
43	TML	Cyclohexane	0.0422	0.0314	0.0747	0.0922	0.0787	0.0752	0.0707	0.0745	0.0721		0.07	28	TM	1.000		
44	TM	1,1-Dichloropropene	0.1208	0.1511	0.1539	0.1428	0.1389	0.1433	0.1426	0.1411	0.1399		0.14	6.6	TM			
45	TM	2,2,4-Trimethylpentane	0.1931	0.1842	0.2146	0.2041	0.1754	0.2057	0.1953	0.2074	0.2036		0.20	6.2	TM			
46	S	1,2-DCA-D4(S)	0.2439	0.2350	0.2142	0.2237	0.2148	0.2214	0.2104	0.2099	0.1865		0.22	7.5	S			
47	TM	Carbon Tetrachloride	0.2404	0.2462	0.2756	0.2417	0.2607	0.2647	0.2547	0.2618	0.2525		0.26	4.5	TM			
48	TM	Tert Amyl Methyl Ether	0.2588	0.3044	0.3214	0.3203	0.2968	0.2853	0.2718	0.2748	0.2590		0.29	8.4	TM			
49	TM	1,2-DCA	0.2250	0.2625	0.2525	0.2277	0.2375	0.2346	0.2248	0.2282	0.2153		0.23	6.3	TM			
50	TM	Benzene	0.4155	0.4052	0.4263	0.4229	0.4066	0.3985	0.3965	0.4011	0.3788		0.41	3.6	TM			
51	TM	TCE	0.1196	0.1463	0.1344	0.1261	0.1283	0.1333	0.1264	0.1321	0.1237		0.13	6.0	TM			
52	TM	2-Pentanone	0.0544	0.0541	0.0521	0.0552	0.0519	0.0516	0.0518	0.0549	0.0537		0.05	2.7	TM			
53	TM*	1,2-Dichloropropane	0.0646	0.0493	0.0479	0.0502	0.0481	0.0458	0.0418	0.0447	0.0434		0.05	14	TM*			
54	TM	Bromodichloromethane	0.1351	0.1610	0.2137	0.1959	0.2078	0.2056	0.1973	0.2009	0.1961		0.19	13	TM			
55	TM	Methyl Cyclohexane	0.1287	0.1186	0.1553	0.1577	0.1445	0.1613	0.1467	0.1565	0.1498		0.15	9.7	TM			
56	TM	Dibromomethane	0.0723	0.0828	0.0897	0.0781	0.0820	0.0819	0.0716	0.0750	0.0723		0.08	7.9	TM			
57	TM	MIBK (methyl isobutyl ketone)	0.0660	0.0582	0.0671	0.0680	0.0642	0.0690	0.0649	0.0693	0.0693		0.07	5.4	TM			
58	TML	1-Bromo-2-chloroethane		0.0065	0.0233	0.0322	0.0298	0.0275	0.0278	0.0273	0.0269		0.03	32	TM	1.000		
59	TML	2-Chloroethyl vinyl ether													TM			
60	TM	Cis-1,3-Dichloropropene	0.1980	0.1887	0.1633	0.1710	0.1625	0.1742	0.1738	0.1828	0.1772		0.18	6.5	TM			
61	TM*	Toluene	0.5749	0.5567	0.4775	0.5016	0.4631	0.5035	0.4694	0.4882	0.4758		0.50	7.8	TM*			
62	TM	Trans-1,3-Dichloropropene	0.1596	0.1327	0.1788	0.1736	0.1823	0.1700	0.1649	0.1847	0.1771		0.17	9.4	TM			
63	TM	1,1,2-TCA		0.0896	0.0629	0.0869	0.0687	0.0730	0.0655	0.0733	0.0693		0.07	13	TM			
64	TM	2-Hexanone	0.0357	0.0425	0.0445	0.0450	0.0421	0.0432	0.0428	0.0454	0.0469		0.04	7.4	TM			
65	I	Chlorobenzene-D5 (IS)																
66	S	Toluene-D8(S)	1.358	1.333	1.155	1.159	1.169	1.191	1.151	1.129	1.046		1.2	8.3	S			
67	TM	1,2-EDB	0.0748	0.1296	0.1200	0.1325	0.1308	0.1300	0.1206	0.1181	0.1205		0.12	15	TM			
68	TML	Tetrachloroethene	0.1994	0.1512	0.1208	0.1569	0.1091	0.1202	0.1125	0.1127	0.1090		0.13	23	TM	1.000		
69	TM	1-Chlorohexane	0.1109	0.1026	0.1040	0.0880	0.0946	0.0910	0.0930	0.0954	0.0994		0.10	7.4	TM			
70	TM	1,1,1,2-Tetrachloroethane	0.1918	0.2138	0.2156	0.2158	0.1934	0.1985	0.1898	0.1925	0.1915		0.20	5.7	TM			

VOLATILE ORGANIC ANALYSIS BY
EPA METHOD 8260B

Form 6
Initial Calibration

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

		Compound	1	2	3	4	5	6	7	8	9		Avg	%RSD	Type		Q	MRF
71	TM	m&p-Xylene	0.2194	0.2838	0.2732	0.2817	0.2638	0.2812	0.2769	0.2781	0.2798		0.27	7.5	TM			
72	TM	o-Xylene	0.2136	0.2399	0.2299	0.2578	0.2962	0.2847	0.2785	0.2733	0.2854		0.26	11	TM			
73	TM	Styrene	0.2970	0.4081	0.4153	0.3968	0.4218	0.4267	0.4487	0.4497	0.4664		0.41	12	TM			
74	S	4-Bromofluorobenzene(S)	0.4452	0.4591	0.4255	0.4207	0.4671	0.4735	0.4671	0.4590	0.4598		0.45	4.1	S			
75	TML	1,3-Dichloropropane	0.0982	0.1309	0.1635	0.1953	0.1861	0.1890	0.1684	0.1806	0.1719		0.16	19	TM	1.000		
76	TM	Dibromochloromethane	0.1814	0.1823	0.1887	0.2191	0.2034	0.1814	0.1871	0.1988	0.1902		0.19	6.5	TM			
77	TM**	Chlorobenzene	0.3488	0.3514	0.4215	0.4387	0.4138	0.4213	0.4007	0.4244	0.4102		0.40	7.9	TM**			
78	TM*	Ethylbenzene	0.4987	0.5093	0.6980	0.6479	0.6576	0.6611	0.6518	0.6525	0.6613		0.63	11	TM*			
79	TM**	Bromoform	0.1375	0.1526	0.1306	0.1492	0.1632	0.1534	0.1524	0.1550	0.1588		0.15	6.8	TM**			
80	I	1,4-Dichlorobenzene-D (IS)																
81	TM	Isopropylbenzene	0.8094	1.001	1.129	1.143	1.116	1.143	1.055	1.121	1.072		1.1	10	TM			
82	TM**	1,1,2,2-Tetrachloroethane	0.1686	0.1692	0.1875	0.2012	0.1859	0.1819	0.1662	0.1664	0.1703		0.18	6.9	TM**			
83	TML	1,2,3-Trichloropropane		0.1292	0.0983	0.1261	0.0934	0.0996	0.0850	0.0886	0.0885		0.10	17	TM	1.000		
84	TML	t-1,4-Dichloro-2-Butene	0.0293	0.0253	0.0636	0.0419	0.0432	0.0426	0.0419	0.0412	0.0441		0.04	26	TM	0.999		
85	TM	Bromobenzene	0.3142	0.4130	0.4968	0.3752	0.3724	0.3835	0.3469	0.3688	0.3576		0.38	13	TM			
86	TM	n-Propylbenzene	0.7774	1.036	0.9314	1.125	1.104	1.114	1.065	1.129	1.097		1.0	11	TM			
87	TM	4-Ethyltoluene	0.9639	0.9886	1.020	1.014	1.036	1.047	1.008	1.070	1.042		1.0	3.2	TM			
88	TM	2-Chlorotoluene	0.6111	0.8380	0.8467	0.8664	0.8837	0.8494	0.8141	0.8418	0.8342		0.82	9.9	TM			
89	TM	1,3,5-Trimethylbenzene	0.6787	0.8751	0.8634	0.9397	0.9607	0.9580	0.9242	0.9630	0.9420		0.90	10	TM			
90	TM	4-Chlorotoluene	0.6712	0.8978	0.8299	0.8338	0.8460	0.8551	0.8384	0.8571	0.8331		0.83	7.6	TM			
91	TM	Tert-Butylbenzene	0.4675	0.3609	0.4687	0.5846	0.5401	0.5532	0.5773	0.5858	0.5880		0.53	15	TM			
92	TM	1,2,4-Trimethylbenzene	0.8328	0.7967	0.7930	0.8177	0.9128	0.9370	0.9311	0.9628	0.9721		0.88	8.3	TM			
93	TM	Sec-Butylbenzene	0.6759	0.9035	0.8662	0.9605	1.032	1.076	1.037	1.110	1.118		0.98	15	TM			
94	TML	p-Isopropyltoluene	0.6771	0.7080	0.8351	0.8201	0.8933	1.014	0.9987	1.079	1.099		0.90	17	TM	1.000		
95	TML	Benzyl Chloride		0.2763	0.2611	0.2465	0.2372	0.2171	0.2142	0.2285	0.2635		0.24	9.3	TM	0.996		
96	TM	1,3-DCB	0.5823	0.6711	0.7030	0.6502	0.7011	0.6493	0.6208	0.6456	0.6458		0.65	5.8	TM			
97	TM	1,4-DCB	0.7778	0.7271	0.6735	0.7099	0.6664	0.6450	0.6210	0.6272	0.6347		0.68	7.8	TM			
98	TML	n-Butylbenzene	0.4730	0.4764	0.4179	0.4761	0.5286	0.5812	0.6108	0.6923	0.7470		0.56	20	TM	0.998		
99	TM	1,2-DCB	0.5592	0.6174	0.5180	0.5611	0.6437	0.6394	0.6237	0.6358	0.6502		0.61	7.8	TM			
100	TML	Hexachloroethane	0.0960	0.1642	0.1790	0.1657	0.1661	0.1696	0.1625	0.1833	0.1868		0.16	16	TM	0.999		
101	TML	1,2-Dibromo-3-chloropropane	0.0273	0.0347	0.0464	0.0354	0.0506	0.0435	0.0499	0.0487	0.0550		0.04	21	TM	0.998		
102	TML	1,2,4-Trichlorobenzene	0.0761	0.1191	0.1424	0.1585	0.1625	0.1957	0.2155	0.2697	0.3199		0.18	41	TM	0.994		
103	TML	Hexachlorobutadiene	0.1600	0.1232	0.1551	0.2151	0.2205	0.2503	0.2545	0.2946	0.3077		0.22	29	TM	0.999		
104	TML	Naphthalene		0.1205	0.2092	0.2187	0.2756	0.3271	0.4007	0.5171	0.6555		0.34	52	TM	0.990		
105	TML	1,2,3-Trichlorobenzene	0.1210	0.1524	0.1497	0.1549	0.1981	0.2341	0.2765	0.3398	0.4162		0.23	44	TM	0.992		

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211111\1111M22.D Vial: 2
Acq On : 11 Nov 21 18:38 Operator: LP,DG,CH
Sample : 0.3ug/L VOC STD 11/11/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Nov 12 9:06 2021 Quant Results File: M1111W.RES

Quant Method : M:\MAX\DATA\211111\M1111W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Nov 12 09:05:35 2021
Response via : Initial Calibration
DataAcq Meth : M8260

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene (IS)	6.37	96	412529	25.00	ppb		0.00
65) Chlorobenzene-D5 (IS)	9.53	117	369810	25.00	ppb		0.00
80) 1,4-Dichlorobenzene-D (IS)	11.85	152	213533	25.00	ppb		0.00
System Monitoring Compounds							
41) Dibromofluoromethane(S)	5.60	111	28282	5.52	ppb		0.00
Spiked Amount 25.000			Recovery = 22.080%				
46) 1,2-DCA-D4(S)	5.98	65	20120	5.60	ppb		0.00
Spiked Amount 25.000			Recovery = 22.388%				
66) Toluene-D8(S)	8.08	98	100459	5.88	ppb		0.00
Spiked Amount 25.000			Recovery = 23.504%				
74) 4-Bromofluorobenzene(S)	10.70	95	32929	4.78	ppb		0.00
Spiked Amount 25.000			Recovery = 19.132%				
Target Compounds							Qvalue
2) Chlorotrifluoroethene	1.04	116	1848	21.79	ppb	#	62
3) Dichlorodifluoromethane	1.20	85	783	0.31	ppb	#	74
4) Freon 114	1.29	85	291	0.20	ppb	#	34
5) Chloromethane	1.34	50	555	0.38	ppb	#	41
6) Vinyl chloride	1.43	62	150	0.08	ppb	#	33
7) 2-Chloro-1,1,1-trifluoroet	1.04	118	1940	40.09	ppb	#	67
8) Bromomethane	1.70	94	576	0.37	ppb		96
9) Chloroethane	1.80	64	761	1.81	ppb	#	38
10) Dichlorofluoromethane	1.98	67	979	0.25	ppb	#	42
11) Trichlorofluoromethane	2.03	101	863	0.18	ppb		94
12) 2,2-Dichloro-1,1,1-trifluo	2.54	85	170	35.48	ppb		100
13) Acrolein	2.45	56	2089	0.61	ppb	#	72
14) Acetone	2.64	43	2754	5.16	ppb		99
15) Freon-113	2.54	151	398	0.20	ppb	#	59
16) Acetonitrile	2.95	41	1439	11.22	ppb	#	73
17) 2-propanol	2.29	45	34	2.00	ppb	#	61
18) 1,2-Dichlorotrifluoroethan	1.98	67	979	0.25	ppb		100
19) 1,1-DCE	2.53	61	487	0.17	ppb	#	76
20) t-Butanol	3.38	59	1936	13.47	ppb	#	68
21) Methyl Acetate	3.01	43	245	0.27	ppb	#	49
22) Iodomethane	2.69	142	319	1.34	ppb	#	32
25) Methylene chloride	3.10	84	471	0.26	ppb	#	76
26) Carbon disulfide	2.74	76	579	0.25	ppb	#	59
27) Methyl t-butyl ether (MtBE	3.51	73	918	0.15	ppb		97
28) Trans-1,2-DCE	3.46	96	395	0.20	ppb	#	64
31) Diisopropyl Ether	4.29	45	871	0.23	ppb	#	72
32) 1,1-DCA	4.09	63	720	0.24	ppb	#	79

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

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211111\1111M22.D Vial: 2
Acq On : 11 Nov 21 18:38 Operator: LP,DG,CH
Sample : 0.3ug/L VOC STD 11/11/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Nov 12 9:06 2021 Quant Results File: M1111W.RES

Quant Method : M:\MAX\DATA\211111\M1111W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Nov 12 09:05:35 2021
Response via : Initial Calibration
DataAcq Meth : M8260

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
34)	Ethyl tert Butyl Ether	4.81	59	1369	0.28 ppb	#	79
35)	Methylcyclopentane	4.80	56	78	-1.09 ppb		100
36)	MEK (2-Butanone)	5.03	43	3171	5.73 ppb	#	94
37)	Cis-1,2-DCE	4.95	96	282	0.13 ppb	#	51
38)	2,2-Dichloropropane	4.94	77	858	0.22 ppb	#	62
39)	Chloroform	5.39	83	945	0.24 ppb	#	73
40)	Bromochloromethane	5.24	130	303	-0.27 ppb	#	52
42)	1,1,1-TCA	5.58	97	735	0.16 ppb	#	54
43)	Cyclohexane	5.62	41	209	0.16 ppb	#	49
44)	1,1-Dichloropropene	5.78	75	598	0.24 ppb	#	75
45)	2,2,4-Trimethylpentane	6.14	57	956	0.29 ppb		90
47)	Carbon Tetrachloride	5.76	117	1190	0.27 ppb	#	74
48)	Tert Amyl Methyl Ether	6.22	73	1281	0.26 ppb	#	76
49)	1,2-DCA	6.07	62	1114	0.29 ppb	#	26
50)	Benzene	6.03	78	2057	0.29 ppb		98
51)	TCE	6.79	95	592	0.26 ppb	#	32
52)	2-Pentanone	7.04	43	8982	9.67 ppb		97
53)	1,2-Dichloropropane	7.04	63	320	0.22 ppb	#	77
54)	Bromodichloromethane	7.34	83	669	0.21 ppb		78
55)	Methyl Cyclohexane	6.96	83	637	0.18 ppb		96
56)	Dibromomethane	7.16	93	358	0.25 ppb	#	31
57)	MIBK (methyl isobutyl ket	8.01	43	5443	4.57 ppb	#	93
58)	1-Bromo-2-chloroethane	7.47	144	120	0.26 ppb	#	7
59)	2-Chloroethyl vinyl ether	7.70	43	59	76.33 ppb	#	64
60)	Cis-1,3-Dichloropropene	7.82	75	980	0.34 ppb	#	43
61)	Toluene	8.14	91	2846	0.34 ppb	#	73
62)	Trans-1,3-Dichloropropene	8.40	75	790	0.28 ppb	#	41
63)	1,1,2-TCA	8.59	83	195	0.15 ppb	#	23
64)	2-Hexanone	8.86	43	2942	3.70 ppb	#	87
67)	1,2-EDB	9.06	107	332	0.17 ppb	#	72
68)	Tetrachloroethene	8.69	164	885	-0.97 ppb	#	72
69)	1-Chlorohexane	9.56	91	492	0.33 ppb	#	67
70)	1,1,1,2-Tetrachloroethane	9.64	131	851	0.31 ppb	#	42
71)	m&p-Xylene	9.79	106	1947	0.47 ppb		99
72)	o-Xylene	10.19	106	948	0.22 ppb		98
73)	Styrene	10.21	104	1318	0.20 ppb	#	87
75)	1,3-Dichloropropane	8.74	76	436	0.15 ppb	#	45
76)	Dibromochloromethane	8.95	129	805	0.28 ppb	#	69
77)	Chlorobenzene	9.55	112	1548	0.24 ppb	#	57
78)	Ethylbenzene	9.67	91	2213	0.22 ppb	#	80
79)	Bromoform	10.37	173	610	0.26 ppb	#	73
81)	Isopropylbenzene	10.56	105	2074	0.21 ppb		91

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

Data File : M:\MAX\DATA\211111\1111M22.D Vial: 2
Acq On : 11 Nov 21 18:38 Operator: LP,DG,CH
Sample : 0.3ug/L VOC STD 11/11/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Nov 12 9:06 2021 Quant Results File: M1111W.RES

Quant Method : M:\MAX\DATA\211111\M1111W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Nov 12 09:05:35 2021
Response via : Initial Calibration
DataAcq Meth : M8260

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
82)	1,1,2,2-Tetrachloroethane	10.87	83	432	0.25	ppb	#	61
83)	1,2,3-Trichloropropane	10.91	110	150	0.17	ppb		84
84)	t-1,4-Dichloro-2-Butene	10.92	53	75	0.57	ppb	#	17
85)	Bromobenzene	10.84	156	805	0.25	ppb	#	65
86)	n-Propylbenzene	10.97	91	1992	0.20	ppb		98
87)	4-Ethyltoluene	11.09	105	2470	0.27	ppb		84
88)	2-Chlorotoluene	11.05	91	1566	0.20	ppb	#	76
89)	1,3,5-Trimethylbenzene	11.14	105	1739	0.21	ppb		93
90)	4-Chlorotoluene	11.15	91	1720	0.22	ppb	#	64
91)	Tert-Butylbenzene	11.47	119	1198	0.26	ppb	#	70
92)	1,2,4-Trimethylbenzene	11.51	105	2134	0.27	ppb		83
93)	Sec-Butylbenzene	11.69	105	1732	0.19	ppb	#	75
94)	p-Isopropyltoluene	11.84	119	1735	0.20	ppb	#	82
95)	Benzyl Chloride	12.02	91	644	0.31	ppb	#	75
96)	1,3-DCB	11.78	146	1492	0.26	ppb		91
97)	1,4-DCB	11.88	146	1993	0.35	ppb		92
98)	n-Butylbenzene	12.24	91	1212	1.52	ppb	#	75
99)	1,2-DCB	12.24	146	1433	0.26	ppb	#	83
100)	Hexachloroethane	12.48	117	246	0.17	ppb	#	17
101)	1,2-Dibromo-3-chloropropan	13.01	75	70	1.41	ppb	#	31
102)	1,2,4-Trichlorobenzene	13.84	180	195	2.28	ppb	#	74
103)	Hexachlorobutadiene	14.02	225	410	1.17	ppb	#	46
104)	Naphthalene	14.07	128	670	1.33	ppb	#	69
105)	1,2,3-Trichlorobenzene	14.32	180	310	2.72	ppb	#	77

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

Quantitation Report

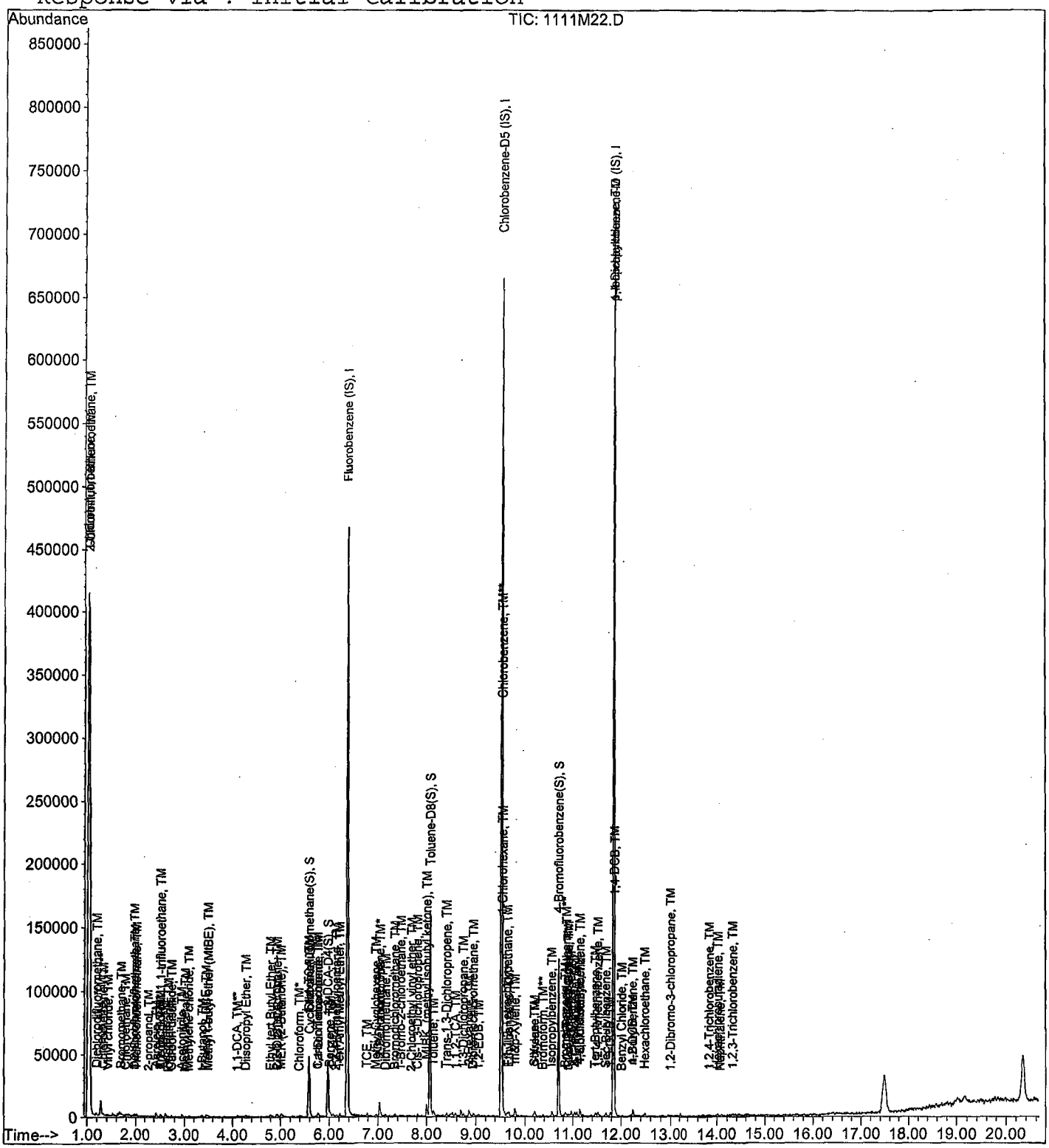
Data File : M:\MAX\DATA\211111\1111M22.D
Acq On : 11 Nov 21 18:38
Sample : 0.3ug/L VOC STD 11/11/21
Misc : IS&S 8/4/21

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

Quant Time: Nov 12 9:06 2021

Quant Results File: M1111W.RES

Method : M:\MAX\DATA\211111\M1111W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Nov 12 09:40:33 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211111\1111M23.D Vial: 3
Acq On : 11 Nov 21 19:07 Operator: LP,DG,CH
Sample : 0.5ug/L VOC STD 11/11/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Nov 12 9:06 2021 Quant Results File: M1111W.RES

Quant Method : M:\MAX\DATA\211111\M1111W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Nov 12 09:05:35 2021
Response via : Initial Calibration
DataAcq Meth : M8260

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene (IS)	6.37	96	412615	25.00	ppb		0.00
65) Chlorobenzene-D5 (IS)	9.53	117	365084	25.00	ppb		0.00
80) 1,4-Dichlorobenzene-D (IS)	11.85	152	207406	25.00	ppb		0.00
System Monitoring Compounds							
41) Dibromofluoromethane(S)	5.60	111	27541	5.37	ppb		0.00
Spiked Amount 25.000			Recovery = 21.496%				
46) 1,2-DCA-D4(S)	5.98	65	19392	5.39	ppb		0.00
Spiked Amount 25.000			Recovery = 21.572%				
66) Toluene-D8(S)	8.08	98	97321	5.77	ppb		0.00
Spiked Amount 25.000			Recovery = 23.068%				
74) 4-Bromofluorobenzene(S)	10.70	95	33524	4.93	ppb		0.00
Spiked Amount 25.000			Recovery = 19.732%				
Target Compounds							Qvalue
2) Chlorotrifluoroethene	1.02	116	1891	22.29	ppb	#	41
3) Dichlorodifluoromethane	1.20	85	877	0.35	ppb	#	58
4) Freon 114	1.30	85	757	0.53	ppb		91
5) Chloromethane	1.34	50	930	0.64	ppb	#	65
6) Vinyl chloride	1.43	62	860	0.49	ppb	#	78
7) 2-Chloro-1,1,1-trifluoroet	1.01	118	2584	53.38	ppb	#	53
8) Bromomethane	1.69	94	1064	0.68	ppb	#	66
9) Chloroethane	1.80	64	925	1.93	ppb	#	38
10) Dichlorofluoromethane	1.99	67	1582	0.40	ppb		97
11) Trichlorofluoromethane	2.02	101	2075	0.43	ppb	#	41
12) 2,2-Dichloro-1,1,1-trifluo	2.54	85	369	76.99	ppb		100
13) Acrolein	2.46	56	4660	16.10	ppb	#	81
14) Acetone	2.64	43	5053	9.46	ppb		96
15) Freon-113	2.54	151	848	0.43	ppb	#	79
16) Acetonitrile	2.95	41	2898	22.58	ppb	#	86
17) 2-propanol	2.22	45	19	1.12	ppb	#	61
18) 1,2-Dichlorotrifluoroethan	1.99	67	1582	0.40	ppb		100
19) 1,1-DCE	2.54	61	1061	0.37	ppb	#	59
20) t-Butanol	3.37	59	3909	24.10	ppb	#	76
21) Methyl Acetate	3.03	43	477	0.53	ppb		85
22) Iodomethane	2.68	142	663	1.49	ppb	#	87
23) Acrylonitrile	3.51	53	121	0.27	ppb	#	18
25) Methylene chloride	3.12	84	483	0.26	ppb	#	74
26) Carbon disulfide	2.74	76	1064	0.46	ppb	#	67
27) Methyl t-butyl ether (MtBE	3.50	73	3159	0.51	ppb	#	70
28) Trans-1,2-DCE	3.47	96	965	0.48	ppb	#	25
29) 3-Methylpentane	3.50	57	511	0.14	ppb	#	38

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

Data File : M:\MAX\DATA\211111\1111M23.D Vial: 3
Acq On : 11 Nov 21 19:07 Operator: LP,DG,CH
Sample : 0.5ug/L VOC STD 11/11/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Nov 12 9:06 2021 Quant Results File: M1111W.RES

Quant Method : M:\MAX\DATA\211111\M1111W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Nov 12 09:05:35 2021
Response via : Initial Calibration
DataAcq Meth : M8260

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
30)	Hexane	3.68	56	49	4.71	ppb		100
31)	Diisopropyl Ether	4.29	45	1148	0.30	ppb	#	85
32)	1,1-DCA	4.10	63	1182	0.39	ppb	#	59
34)	Ethyl tert Butyl Ether	4.80	59	2386	0.48	ppb	#	75
35)	Methylcyclopentane	4.83	56	20	-1.40	ppb		100
36)	MEK (2-Butanone)	5.03	43	5137	9.28	ppb	#	82
37)	Cis-1,2-DCE	4.96	96	941	0.43	ppb	#	48
38)	2,2-Dichloropropane	4.93	77	2062	0.53	ppb		99
39)	Chloroform	5.39	83	2239	0.58	ppb		94
40)	Bromochloromethane	5.25	130	943	0.11	ppb		92
42)	1,1,1-TCA	5.58	97	2407	0.52	ppb	#	85
43)	Cyclohexane	5.61	41	259	0.20	ppb	#	47
44)	1,1-Dichloropropene	5.79	75	1247	0.50	ppb		81
45)	2,2,4-Trimethylpentane	6.14	57	1520	0.46	ppb	#	42
47)	Carbon Tetrachloride	5.78	117	2032	0.47	ppb	#	66
48)	Tert Amyl Methyl Ether	6.22	73	2512	0.52	ppb	#	94
49)	1,2-DCA	6.07	62	2166	0.56	ppb	#	78
50)	Benzene	6.03	78	3344	0.47	ppb	#	84
51)	TCE	6.78	95	1207	0.53	ppb	#	57
52)	2-Pentanone	7.04	43	22307	24.00	ppb		85
53)	1,2-Dichloropropane	7.03	63	407	0.33	ppb	#	77
54)	Bromodichloromethane	7.34	83	1329	0.41	ppb	#	62
55)	Methyl Cyclohexane	6.97	83	979	0.32	ppb	#	45
56)	Dibromomethane	7.15	93	683	0.49	ppb		78
57)	MIBK (methyl isobutyl ket	8.01	43	9605	8.06	ppb		96
58)	1-Bromo-2-chloroethane	7.65	144	54	0.12	ppb	#	63
59)	2-Chloroethyl vinyl ether	7.75	43	26	33.63	ppb	#	32
60)	Cis-1,3-Dichloropropene	7.81	75	1557	0.54	ppb	#	70
61)	Toluene	8.15	91	4594	0.55	ppb		96
62)	Trans-1,3-Dichloropropene	8.40	75	1095	0.38	ppb	#	75
63)	1,1,2-TCA	8.58	83	739	0.58	ppb	#	54
64)	2-Hexanone	8.86	43	7020	8.82	ppb	#	88
67)	1,2-EDB	9.05	107	946	0.49	ppb		85
68)	Tetrachloroethene	8.69	164	1104	-0.83	ppb	#	72
69)	1-Chlorohexane	9.57	91	749	0.52	ppb	#	72
70)	1,1,1,2-Tetrachloroethane	9.65	131	1561	0.58	ppb		82
71)	m&p-Xylene	9.80	106	4145	1.01	ppb		78
72)	o-Xylene	10.19	106	1752	0.41	ppb		92
73)	Styrene	10.20	104	2980	0.46	ppb	#	92
75)	1,3-Dichloropropane	8.75	76	956	0.34	ppb	#	43
76)	Dibromochloromethane	8.96	129	1331	0.47	ppb		86
77)	Chlorobenzene	9.56	112	2566	0.41	ppb		89

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

Data File : M:\MAX\DATA\211111\1111M23.D Vial: 3
Acq On : 11 Nov 21 19:07 Operator: LP,DG,CH
Sample : 0.5ug/L VOC STD 11/11/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Nov 12 9:06 2021 Quant Results File: M1111W.RES

Quant Method : M:\MAX\DATA\211111\M1111W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Nov 12 09:05:35 2021
Response via : Initial Calibration
DataAcq Meth : M8260

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
78)	Ethylbenzene	9.68	91	3719	0.37 ppb		96
79)	Bromoform	10.37	173	1114	0.48 ppb	#	71
81)	Isopropylbenzene	10.56	105	4154	0.43 ppb		98
82)	1,1,2,2-Tetrachloroethane	10.87	83	702	0.43 ppb	#	62
83)	1,2,3-Trichloropropane	10.90	110	536	0.64 ppb	#	62
84)	t-1,4-Dichloro-2-Butene	10.93	53	105	0.64 ppb	#	17
85)	Bromobenzene	10.84	156	1713	0.54 ppb		93
86)	n-Propylbenzene	10.96	91	4299	0.45 ppb		92
87)	4-Ethyltoluene	11.08	105	4101	0.47 ppb		89
88)	2-Chlorotoluene	11.04	91	3476	0.46 ppb		98
89)	1,3,5-Trimethylbenzene	11.14	105	3630	0.44 ppb		87
90)	4-Chlorotoluene	11.15	91	3724	0.50 ppb		99
91)	Tert-Butylbenzene	11.47	119	1497	0.33 ppb	#	75
92)	1,2,4-Trimethylbenzene	11.51	105	3305	0.42 ppb	#	67
93)	Sec-Butylbenzene	11.68	105	3748	0.43 ppb		92
94)	p-Isopropyltoluene	11.84	119	2937	0.35 ppb	#	68
95)	Benzyl Chloride	12.03	91	1146	0.57 ppb	#	87
96)	1,3-DCB	11.78	146	2784	0.51 ppb		85
97)	1,4-DCB	11.87	146	3016	0.54 ppb		86
98)	n-Butylbenzene	12.23	91	1976	1.64 ppb	#	83
99)	1,2-DCB	12.24	146	2561	0.48 ppb		88
100)	Hexachloroethane	12.48	117	681	0.48 ppb	#	46
101)	1,2-Dibromo-3-chloropropan	13.01	75	144	1.55 ppb	#	3
102)	1,2,4-Trichlorobenzene	13.84	180	494	2.39 ppb	#	87
103)	Hexachlorobutadiene	14.01	225	511	1.22 ppb	#	81
104)	Naphthalene	14.07	128	500	1.30 ppb	#	69
105)	1,2,3-Trichlorobenzene	14.31	180	632	2.81 ppb	#	33

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

Quantitation Report

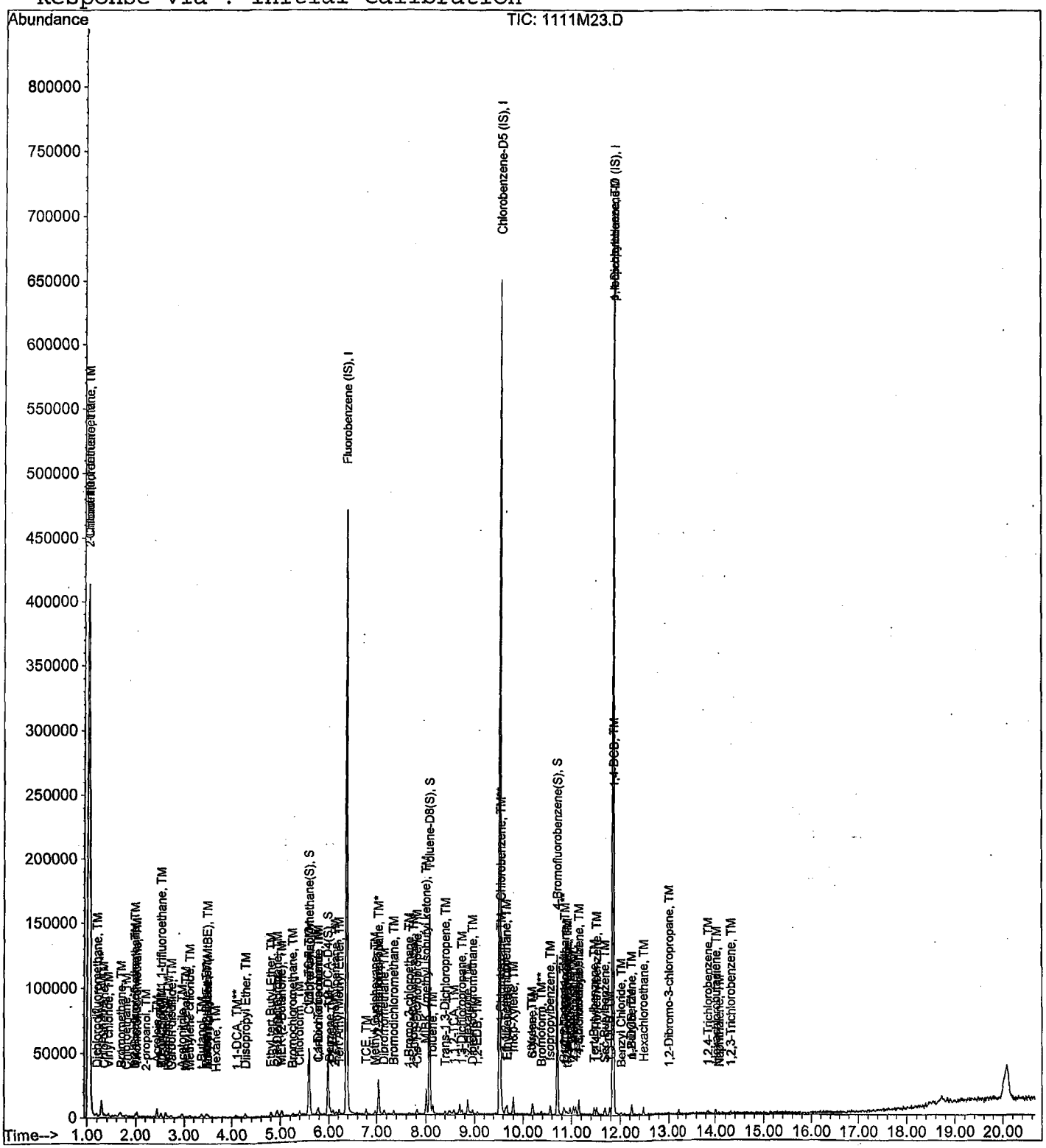
Data File : M:\MAX\DATA\211111\1111M23.D
Acq On : 11 Nov 21 19:07
Sample : 0.5ug/L VOC STD 11/11/21
Misc : IS&S 8/4/21

Vial: 3
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Nov 12 9:06 2021

Quant Results File: M1111W.RES

Method : M:\MAX\DATA\211111\M1111W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Nov 12 09:40:33 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211111\1111M24.D Vial: 4
Acq On : 11 Nov 21 19:35 Operator: LP,DG,CH
Sample : 1ug/L VOC STD 11/11/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Nov 12 9:06 2021 Quant Results File: M1111W.RES

Quant Method : M:\MAX\DATA\211111\M1111W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Nov 12 09:05:35 2021
Response via : Initial Calibration
DataAcq Meth : M8260

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene (IS)	6.37	96	406373	25.00	ppb		0.00
65) Chlorobenzene-D5 (IS)	9.53	117	352913	25.00	ppb		0.00
80) 1,4-Dichlorobenzene-D (IS)	11.85	152	215896	25.00	ppb		0.00
System Monitoring Compounds							
41) Dibromofluoromethane(S)	5.59	111	47923	9.49	ppb		0.00
Spiked Amount 25.000			Recovery =	37.980%			
46) 1,2-DCA-D4(S)	5.98	65	34816	9.83	ppb		0.00
Spiked Amount 25.000			Recovery =	39.328%			
66) Toluene-D8(S)	8.08	98	162985	9.99	ppb		0.00
Spiked Amount 25.000			Recovery =	39.960%			
74) 4-Bromofluorobenzene(S)	10.70	95	60071	9.14	ppb		0.00
Spiked Amount 25.000			Recovery =	36.576%			
Target Compounds							Qvalue
2) Chlorotrifluoroethene	1.01	116	608	7.28	ppb	#	1
3) Dichlorodifluoromethane	1.20	85	1997	0.81	ppb		90
4) Freon 114	1.30	85	1209	0.86	ppb	#	67
5) Chloromethane	1.34	50	1284	0.89	ppb	#	84
6) Vinyl chloride	1.43	62	1810	1.04	ppb		84
7) 2-Chloro-1,1,1-trifluoroet	1.03	118	1962	41.16	ppb	#	77
8) Bromomethane	1.70	94	1466	0.96	ppb		90
9) Chloroethane	1.81	64	1499	2.38	ppb	#	38
10) Dichlorofluoromethane	1.99	67	3146	0.81	ppb		99
11) Trichlorofluoromethane	2.03	101	4276	0.91	ppb	#	75
12) 2,2-Dichloro-1,1,1-trifluo	2.52	85	20	4.24	ppb		100
13) Acrolein	2.46	56	10065	46.74	ppb		99
14) Acetone	2.63	43	9551	18.16	ppb	#	82
15) Freon-113	2.55	151	2082	1.07	ppb		91
16) Acetonitrile	2.96	41	6029	47.70	ppb	#	77
17) 2-propanol	2.27	45	64	3.82	ppb	#	61
18) 1,2-Dichlorotrifluoroethan	1.99	67	3146	0.81	ppb		100
19) 1,1-DCE	2.53	61	3009	1.06	ppb		97
20) t-Butanol	3.37	59	7572	45.08	ppb		93
21) Methyl Acetate	3.03	43	801	0.90	ppb	#	28
22) Iodomethane	2.68	142	1667	1.94	ppb	#	70
23) Acrylonitrile	3.47	53	413	0.86	ppb	#	88
24) 2-Methylpentane	2.15	71	23	5.15	ppb	#	1
25) Methylene chloride	3.12	84	1073	0.59	ppb		97
26) Carbon disulfide	2.73	76	2173	0.95	ppb	#	91
27) Methyl t-butyl ether (MtBE	3.50	73	5010	0.82	ppb	#	82
28) Trans-1,2-DCE	3.46	96	1820	0.93	ppb		89

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

Data File : M:\MAX\DATA\211111\1111M24.D
Acq On : 11 Nov 21 19:35
Sample : 1ug/L VOC STD 11/11/21
Misc : IS&S 8/4/21

Vial: 4
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Nov 12 9:06 2021

Quant Results File: M1111W.RES

Quant Method : M:\MAX\DATA\211111\M1111W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Nov 12 09:05:35 2021
Response via : Initial Calibration
DataAcq Meth : M8260

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
29)	3-Methylpentane	3.37	57	1347	1.00	ppb	#	94
30)	Hexane	3.72	56	19	1.85	ppb		100
31)	Diisopropyl Ether	4.28	45	3593	0.95	ppb	#	81
32)	1,1-DCA	4.10	63	3273	1.10	ppb	#	91
34)	Ethyl tert Butyl Ether	4.81	59	4376	0.90	ppb	#	85
35)	Methylcyclopentane	4.80	56	22	-1.39	ppb		100
36)	MEK (2-Butanone)	5.03	43	9821	18.01	ppb	#	81
37)	Cis-1,2-DCE	4.94	96	2201	1.01	ppb	#	54
38)	2,2-Dichloropropane	4.93	77	4077	1.07	ppb	#	73
39)	Chloroform	5.39	83	3836	1.01	ppb		89
40)	Bromochloromethane	5.26	130	1678	0.57	ppb	#	81
42)	1,1,1-TCA	5.57	97	4612	1.02	ppb	#	79
43)	Cyclohexane	5.62	41	1215	0.93	ppb		84
44)	1,1-Dichloropropene	5.79	75	2501	1.02	ppb		87
45)	2,2,4-Trimethylpentane	6.15	57	3488	1.07	ppb		97
47)	Carbon Tetrachloride	5.77	117	4480	1.05	ppb	#	76
48)	Tert Amyl Methyl Ether	6.22	73	5224	1.09	ppb		97
49)	1,2-DCA	6.07	62	4104	1.08	ppb	#	88
50)	Benzene	6.03	78	6930	0.98	ppb		94
51)	TCE	6.79	95	2184	0.97	ppb		82
52)	2-Pentanone	7.04	43	42374	46.29	ppb		97
53)	1,2-Dichloropropane	7.02	63	779	0.82	ppb	#	70
54)	Bromodichloromethane	7.35	83	3474	1.08	ppb		90
55)	Methyl Cyclohexane	6.97	83	2524	0.95	ppb		83
56)	Dibromomethane	7.15	93	1458	1.05	ppb	#	65
57)	MIBK (methyl isobutyl ket	8.01	43	21815	18.59	ppb		95
58)	1-Bromo-2-chloroethane	7.65	144	378	0.84	ppb		79
59)	2-Chloroethyl vinyl ether	7.72	43	79	103.76	ppb	#	69
60)	Cis-1,3-Dichloropropene	7.82	75	2654	0.93	ppb	#	90
61)	Toluene	8.14	91	7762	0.95	ppb		97
62)	Trans-1,3-Dichloropropene	8.40	75	2907	1.03	ppb		100
63)	1,1,2-TCA	8.58	83	1023	0.81	ppb	#	59
64)	2-Hexanone	8.86	43	14462	18.45	ppb	#	88
67)	1,2-EDB	9.06	107	1694	0.91	ppb		92
68)	Tetrachloroethene	8.69	164	1705	-0.44	ppb		86
69)	1-Chlorohexane	9.56	91	1468	1.05	ppb		87
70)	1,1,1,2-Tetrachloroethane	9.65	131	3043	1.16	ppb		85
71)	m&p-Xylene	9.79	106	7713	1.95	ppb		99
72)	o-Xylene	10.19	106	3246	0.78	ppb		81
73)	Styrene	10.20	104	5862	0.94	ppb		92
75)	1,3-Dichloropropane	8.74	76	2308	0.84	ppb		93
76)	Dibromochloromethane	8.96	129	2664	0.98	ppb		79

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

Data File : M:\MAX\DATA\211111\1111M24.D Vial: 4
Acq On : 11 Nov 21 19:35 Operator: LP,DG,CH
Sample : 1ug/L VOC STD 11/11/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Nov 12 9:06 2021 Quant Results File: M1111W.RES

Quant Method : M:\MAX\DATA\211111\M1111W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Nov 12 09:05:35 2021
Response via : Initial Calibration
DataAcq Meth : M8260

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
77)	Chlorobenzene	9.56	112	5950	0.98	ppb		91
78)	Ethylbenzene	9.68	91	9854	1.02	ppb		98
79)	Bromoform	10.37	173	1843	0.81	ppb		99
81)	Isopropylbenzene	10.56	105	9746	0.97	ppb		94
82)	1,1,2,2-Tetrachloroethane	10.87	83	1619	0.94	ppb	#	68
83)	1,2,3-Trichloropropane	10.90	110	849	0.98	ppb		87
84)	t-1,4-Dichloro-2-Butene	10.93	53	549	1.62	ppb	#	17
85)	Bromobenzene	10.84	156	4290	1.29	ppb		97
86)	n-Propylbenzene	10.97	91	8043	0.81	ppb		95
87)	4-Ethyltoluene	11.08	105	8805	0.96	ppb		88
88)	2-Chlorotoluene	11.04	91	7312	0.94	ppb		88
89)	1,3,5-Trimethylbenzene	11.15	105	7456	0.88	ppb		98
90)	4-Chlorotoluene	11.15	91	7167	0.92	ppb		97
91)	Tert-Butylbenzene	11.47	119	4048	0.86	ppb	#	95
92)	1,2,4-Trimethylbenzene	11.52	105	6848	0.85	ppb		96
93)	Sec-Butylbenzene	11.68	105	7480	0.83	ppb		87
94)	p-Isopropyltoluene	11.84	119	7212	0.83	ppb		97
95)	Benzyl Chloride	12.01	91	2255	1.09	ppb	#	81
96)	1,3-DCB	11.78	146	6071	1.06	ppb		92
97)	1,4-DCB	11.87	146	5816	1.00	ppb	#	80
98)	n-Butylbenzene	12.24	91	3609	1.87	ppb		90
99)	1,2-DCB	12.24	146	4473	0.80	ppb	#	82
100)	Hexachloroethane	12.48	117	1546	1.04	ppb	#	64
101)	1,2-Dibromo-3-chloropropan	13.02	75	401	2.01	ppb	#	53
102)	1,2,4-Trichlorobenzene	13.84	180	1230	2.63	ppb	#	75
103)	Hexachlorobutadiene	14.01	225	1339	1.52	ppb		96
104)	Naphthalene	14.08	128	1807	1.59	ppb	#	69
105)	1,2,3-Trichlorobenzene	14.32	180	1293	2.97	ppb	#	70

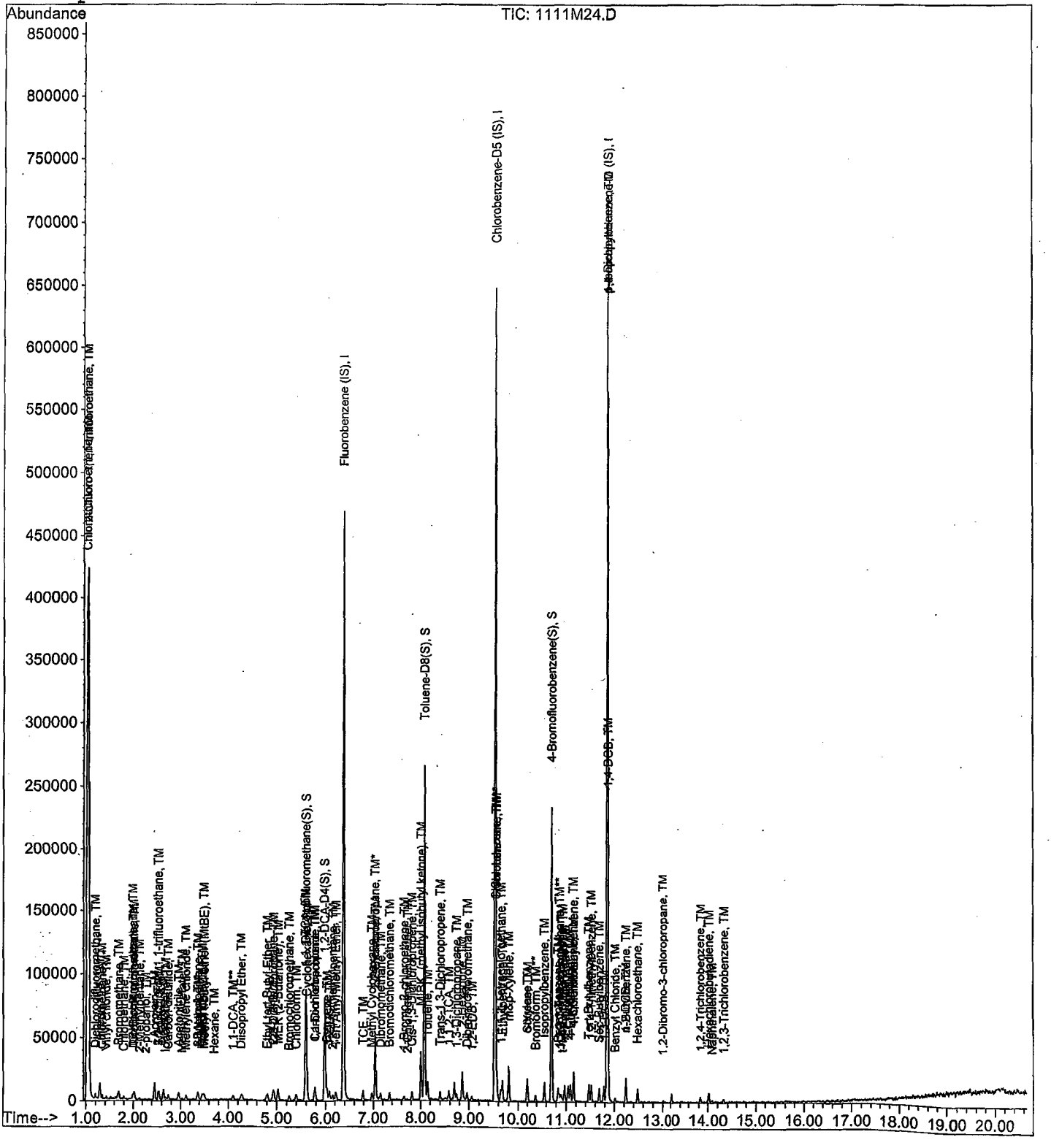
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\MAX\DATA\211111\1111M24.D Vial: 4
Acq On : 11 Nov 21 19:35 Operator: LP,DG,CH
Sample : 1ug/L VOC STD 11/11/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Nov 12 9:06 2021 Quant Results File: M1111W.RES

Method : M:\MAX\DATA\211111\M1111W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Nov 12 09:40:33 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211111\1111M25.D Vial: 5
Acq On : 11 Nov 21 20:03 Operator: LP,DG,CH
Sample : 2ug/L VOC STD 11/11/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Nov 12 9:06 2021 Quant Results File: M1111W.RES

Quant Method : M:\MAX\DATA\211111\M1111W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Nov 12 09:05:35 2021
Response via : Initial Calibration
DataAcq Meth : M8260

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene (IS)	6.37	96	404400	25.00	ppb		0.00
65) Chlorobenzene-D5 (IS)	9.53	117	350989	25.00	ppb		0.00
80) 1,4-Dichlorobenzene-D (IS)	11.85	152	214879	25.00	ppb		0.00
System Monitoring Compounds							
41) Dibromofluoromethane(S)	5.59	111	48309	9.62	ppb		0.00
Spiked Amount 25.000			Recovery = 38.472%				
46) 1,2-DCA-D4(S)	5.98	65	36192	10.27	ppb		0.00
Spiked Amount 25.000			Recovery = 41.080%				
66) Toluene-D8(S)	8.08	98	162721	10.03	ppb		0.00
Spiked Amount 25.000			Recovery = 40.116%				
74) 4-Bromofluorobenzene(S)	10.70	95	59062	9.04	ppb		0.00
Spiked Amount 25.000			Recovery = 36.160%				
Target Compounds							Qvalue
2) Chlorotrifluoroethene	1.03	116	1701	20.46	ppb	#	3
3) Dichlorodifluoromethane	1.19	85	4858	1.98	ppb		90
4) Freon 114	1.30	85	3508	2.51	ppb		95
5) Chloromethane	1.34	50	3207	2.24	ppb		95
6) Vinyl chloride	1.43	62	2995	1.73	ppb	#	76
7) 2-Chloro-1,1,1-trifluoroet	1.04	118	1073	22.62	ppb	#	38
8) Bromomethane	1.69	94	4025	2.64	ppb		91
9) Chloroethane	1.80	64	3089	3.61	ppb		93
10) Dichlorofluoromethane	1.99	67	6741	1.74	ppb		95
11) Trichlorofluoromethane	2.02	101	9896	2.11	ppb		93
12) 2,2-Dichloro-1,1,1-trifluo	2.56	85	1772	377.21	ppb		100
13) Acrolein	2.45	56	15037	72.33	ppb	#	77
14) Acetone	2.63	43	14092	26.93	ppb		92
15) Freon-113	2.55	151	4376	2.26	ppb		98
16) Acetonitrile	2.96	41	8331	66.24	ppb		89
17) 2-propanol	2.27	45	257	15.42	ppb	#	61
18) 1,2-Dichlorotrifluoroethan	1.99	67	6741	1.74	ppb		100
19) 1,1-DCE	2.53	61	5157	1.83	ppb	#	90
20) t-Butanol	3.37	59	12522	74.70	ppb	#	82
21) Methyl Acetate	3.03	43	1696	1.92	ppb		95
22) Iodomethane	2.69	142	3524	2.77	ppb		82
23) Acrylonitrile	3.47	53	926	1.91	ppb	#	91
25) Methylene chloride	3.12	84	3416	1.89	ppb	#	75
26) Carbon disulfide	2.74	76	4271	1.87	ppb		99
27) Methyl t-butyl ether (MtBE	3.51	73	11562	1.91	ppb	#	87
28) Trans-1,2-DCE	3.46	96	3131	1.60	ppb		94
29) 3-Methylpentane	3.50	57	1806	1.47	ppb	#	91

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

Data File : M:\MAX\DATA\211111\1111M25.D Vial: 5
Acq On : 11 Nov 21 20:03 Operator: LP,DG,CH
Sample : 2ug/L VOC STD 11/11/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Nov 12 9:06 2021 Quant Results File: M1111W.RES

Quant Method : M:\MAX\DATA\211111\M1111W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Nov 12 09:05:35 2021
Response via : Initial Calibration
DataAcq Meth : M8260

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
30)	Hexane	3.75	56	46	4.51	ppb		100
31)	Diisopropyl Ether	4.28	45	7538	2.00	ppb		95
32)	1,1-DCA	4.10	63	6245	2.11	ppb	#	80
34)	Ethyl tert Butyl Ether	4.81	59	9864	2.04	ppb		100
35)	Methylcyclopentane	4.80	56	421	0.78	ppb	#	100
36)	MEK (2-Butanone)	5.03	43	16870	31.09	ppb		97
37)	Cis-1,2-DCE	4.95	96	4692	2.17	ppb		87
38)	2,2-Dichloropropane	4.94	77	8390	2.21	ppb	#	92
39)	Chloroform	5.40	83	8432	2.22	ppb	#	67
40)	Bromochloromethane	5.26	130	3812	1.87	ppb	#	80
42)	1,1,1-TCA	5.57	97	9784	2.18	ppb	#	90
43)	Cyclohexane	5.62	41	2984	2.29	ppb	#	49
44)	1,1-Dichloropropene	5.79	75	4619	1.90	ppb		89
45)	2,2,4-Trimethylpentane	6.15	57	6604	2.03	ppb	#	53
47)	Carbon Tetrachloride	5.77	117	7818	1.84	ppb	#	80
48)	Tert Amyl Methyl Ether	6.21	73	10362	2.17	ppb	#	95
49)	1,2-DCA	6.07	62	7365	1.94	ppb		95
50)	Benzene	6.03	78	13682	1.95	ppb		93
51)	TCE	6.79	95	4080	1.81	ppb		92
52)	2-Pentanone	7.04	43	66996	73.55	ppb		98
53)	1,2-Dichloropropane	7.02	63	1624	1.93	ppb		99
54)	Bromodichloromethane	7.35	83	6339	1.99	ppb		87
55)	Methyl Cyclohexane	6.97	83	5101	1.99	ppb		77
56)	Dibromomethane	7.15	93	2527	1.83	ppb		91
57)	MIBK (methyl isobutyl ket	8.00	43	32993	28.25	ppb		97
58)	1-Bromo-2-chloroethane	7.66	144	1043	2.33	ppb	#	61
59)	2-Chloroethyl vinyl ether	7.76	43	47	62.03	ppb	#	32
60)	Cis-1,3-Dichloropropene	7.82	75	5531	1.95	ppb	#	85
61)	Toluene	8.14	91	16227	2.00	ppb		91
62)	Trans-1,3-Dichloropropene	8.40	75	5617	2.01	ppb		91
63)	1,1,2-TCA	8.58	83	2812	2.24	ppb		93
64)	2-Hexanone	8.86	43	21841	28.00	ppb		96
67)	1,2-EDB	9.06	107	3721	2.01	ppb		99
68)	Tetrachloroethene	8.69	164	4406	1.26	ppb	#	83
69)	1-Chlorohexane	9.56	91	2470	1.77	ppb	#	85
70)	1,1,1,2-Tetrachloroethane	9.65	131	6059	2.33	ppb		84
71)	m&p-Xylene	9.80	106	15819	4.01	ppb		84
72)	o-Xylene	10.19	106	7240	1.75	ppb		85
73)	Styrene	10.20	104	11141	1.80	ppb		92
75)	1,3-Dichloropropane	8.74	76	5483	2.02	ppb		91
76)	Dibromochloromethane	8.96	129	6152	2.27	ppb		75
77)	Chlorobenzene	9.56	112	12317	2.04	ppb		93

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

Data File : M:\MAX\DATA\211111\1111M25.D Vial: 5
Acq On : 11 Nov 21 20:03 Operator: LP,DG,CH
Sample : 2ug/L VOC STD 11/11/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Nov 12 9:06 2021 Quant Results File: M1111W.RES

Quant Method : M:\MAX\DATA\211111\M1111W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Nov 12 09:05:35 2021
Response via : Initial Calibration
DataAcq Meth : M8260

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
78)	Ethylbenzene	9.68	91	18193	1.90	ppb		94
79)	Bromoform	10.38	173	4190	1.86	ppb		91
81)	Isopropylbenzene	10.56	105	19653	1.96	ppb		99
82)	1,1,2,2-Tetrachloroethane	10.87	83	3459	2.03	ppb	#	68
83)	1,2,3-Trichloropropane	10.90	110	2168	2.51	ppb		94
84)	t-1,4-Dichloro-2-Butene	10.93	53	721	2.01	ppb		86
85)	Bromobenzene	10.84	156	6450	1.95	ppb	#	58
86)	n-Propylbenzene	10.97	91	19340	1.97	ppb		97
87)	4-Ethyltoluene	11.08	105	17429	1.91	ppb		92
88)	2-Chlorotoluene	11.04	91	14893	1.91	ppb		91
89)	1,3,5-Trimethylbenzene	11.14	105	16154	1.91	ppb		83
90)	4-Chlorotoluene	11.15	91	14333	1.85	ppb		95
91)	Tert-Butylbenzene	11.46	119	10049	2.14	ppb		93
92)	1,2,4-Trimethylbenzene	11.52	105	14056	1.74	ppb		94
93)	Sec-Butylbenzene	11.69	105	16511	1.83	ppb		99
94)	p-Isopropyltoluene	11.83	119	14097	1.62	ppb		99
95)	Benzyl Chloride	12.01	91	4238	2.05	ppb		90
96)	1,3-DCB	11.78	146	11177	1.96	ppb		88
97)	1,4-DCB	11.87	146	12204	2.10	ppb		92
98)	n-Butylbenzene	12.24	91	8185	2.54	ppb		83
99)	1,2-DCB	12.24	146	9645	1.73	ppb	#	83
100)	Hexachloroethane	12.48	117	2849	1.93	ppb		84
101)	1,2-Dibromo-3-chloropropan	13.01	75	609	2.39	ppb	#	75
102)	1,2,4-Trichlorobenzene	13.84	180	2725	3.15	ppb		92
103)	Hexachlorobutadiene	14.01	225	3697	2.41	ppb	#	71
104)	Naphthalene	14.08	128	3760	2.04	ppb	#	77
105)	1,2,3-Trichlorobenzene	14.32	180	2662	3.31	ppb		92

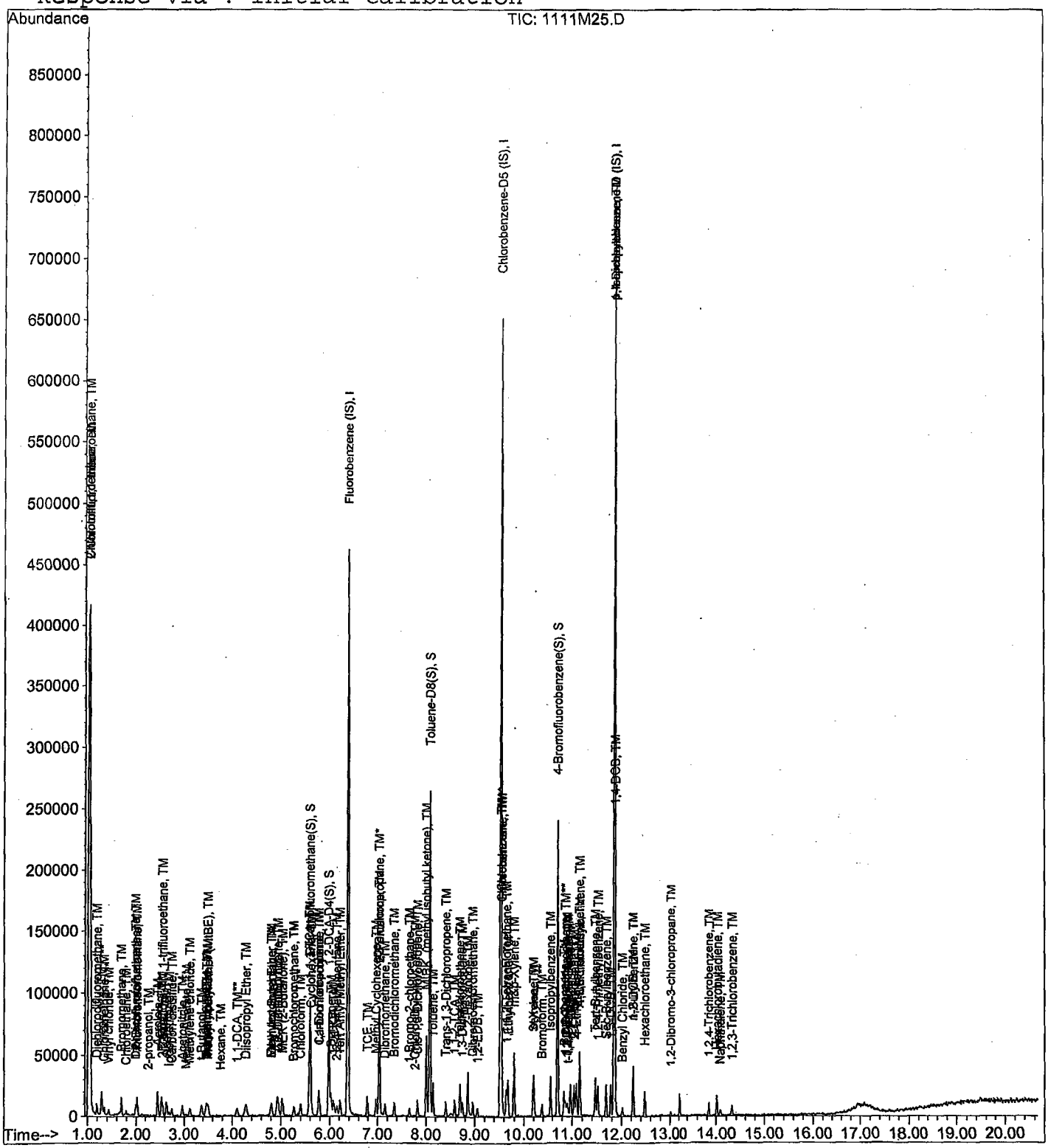
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\MAX\DATA\211111\1111M25.D Vial: 5
Acq On : 11 Nov 21 20:03 Operator: LP,DG,CH
Sample : 2ug/L VOC STD 11/11/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Nov 12 9:06 2021 Quant Results File: M1111W.RES

Method : M:\MAX\DATA\211111\M1111W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Nov 12 09:40:33 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211111\1111M26.D Vial: 6
Acq On : 11 Nov 21 20:32 Operator: LP,DG,CH
Sample : 5ug/L VOC STD 11/11/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Nov 12 9:06 2021 Quant Results File: M1111W.RES

Quant Method : M:\MAX\DATA\211111\M1111W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Nov 12 09:05:35 2021
Response via : Initial Calibration
DataAcq Meth : M8260

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene (IS)	6.37	96	411540	25.00	ppb		0.00
65) Chlorobenzene-D5 (IS)	9.53	117	360431	25.00	ppb		0.00
80) 1,4-Dichlorobenzene-D (IS)	11.85	152	229293	25.00	ppb		0.00
System Monitoring Compounds							
41) Dibromofluoromethane(S)	5.59	111	126663	24.78	ppb		0.00
Spiked Amount 25.000			Recovery =	99.120%			
46) 1,2-DCA-D4(S)	5.98	65	88384	24.65	ppb		0.00
Spiked Amount 25.000			Recovery =	98.584%			
66) Toluene-D8(S)	8.08	98	421468	25.30	ppb		0.00
Spiked Amount 25.000			Recovery =	101.184%			
74) 4-Bromofluorobenzene(S)	10.70	95	168355	25.09	ppb		0.00
Spiked Amount 25.000			Recovery =	100.372%			
Target Compounds							Qvalue
2) Chlorotrifluoroethene	1.01	116	1153	13.63	ppb	#	76
3) Dichlorodifluoromethane	1.20	85	8691	3.49	ppb	#	80
4) Freon 114	1.30	85	6755	4.75	ppb		94
5) Chloromethane	1.34	50	6022	4.13	ppb		100
6) Vinyl chloride	1.43	62	6859	3.89	ppb	#	78
7) 2-Chloro-1,1,1-trifluoroet	1.03	118	1919	39.75	ppb	#	73
8) Bromomethane	1.69	94	8112	5.22	ppb		97
9) Chloroethane	1.79	64	6137	5.87	ppb	#	81
10) Dichlorofluoromethane	1.99	67	17195	4.36	ppb		91
11) Trichlorofluoromethane	2.02	101	21462	4.50	ppb		94
12) 2,2-Dichloro-1,1,1-trifluo	2.42	85	55	11.50	ppb		100
13) Acrolein	2.46	56	18234	86.10	ppb		96
14) Acetone	2.63	43	18836	35.37	ppb		97
15) Freon-113	2.55	151	10282	5.22	ppb		93
16) Acetonitrile	2.96	41	12079	94.37	ppb	#	85
17) 2-propanol	2.28	45	116	6.84	ppb	#	1
18) 1,2-Dichlorotrifluoroethan	1.99	67	17195	4.36	ppb	#	100
19) 1,1-DCE	2.53	61	11819	4.11	ppb		99
20) t-Butanol	3.37	59	17495	104.12	ppb	#	87
21) Methyl Acetate	3.02	43	4383	4.88	ppb		99
22) Iodomethane	2.68	142	8173	4.78	ppb		97
23) Acrylonitrile	3.47	53	2217	4.44	ppb	#	81
24) 2-Methylpentane	1.97	71	21	4.64	ppb	#	1
25) Methylene chloride	3.12	84	8164	4.44	ppb		93
26) Carbon disulfide	2.74	76	10425	4.50	ppb		98
27) Methyl t-butyl ether (MtBE	3.50	73	29839	4.83	ppb		92
28) Trans-1,2-DCE	3.47	96	8875	4.46	ppb		81

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

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211111\1111M26.D Vial: 6
Acq On : 11 Nov 21 20:32 Operator: LP,DG,CH
Sample : 5ug/L VOC STD 11/11/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Nov 12 9:06 2021 Quant Results File: M1111W.RES

Quant Method : M:\MAX\DATA\211111\M1111W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Nov 12 09:05:35 2021
Response via : Initial Calibration
DataAcq Meth : M8260

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
29)	3-Methylpentane	3.50	57	4621	4.27	ppb		95
30)	Hexane	3.75	56	92	8.86	ppb		100
31)	Diisopropyl Ether	4.28	45	18775	4.90	ppb		91
32)	1,1-DCA	4.10	63	14393	4.78	ppb		93
34)	Ethyl tert Butyl Ether	4.81	59	24141	4.90	ppb	#	84
35)	Methylcyclopentane	4.79	56	1046	4.08	ppb		100
36)	MEK (2-Butanone)	5.03	43	21206	38.41	ppb		96
37)	Cis-1,2-DCE	4.95	96	10901	4.95	ppb		96
38)	2,2-Dichloropropane	4.93	77	17663	4.57	ppb	#	77
39)	Chloroform	5.39	83	20966	5.43	ppb		88
40)	Bromochloromethane	5.26	130	8759	4.80	ppb		98
42)	1,1,1-TCA	5.57	97	23141	5.06	ppb		97
43)	Cyclohexane	5.62	41	6481	4.90	ppb		76
44)	1,1-Dichloropropene	5.78	75	11432	4.62	ppb	#	86
45)	2,2,4-Trimethylpentane	6.15	57	14439	4.37	ppb		97
47)	Carbon Tetrachloride	5.77	117	21454	4.97	ppb		93
48)	Tert Amyl Methyl Ether	6.22	73	24425	5.03	ppb		97
49)	1,2-DCA	6.07	62	19545	5.07	ppb		99
50)	Benzene	6.03	78	33463	4.69	ppb		92
51)	TCE	6.78	95	10558	4.61	ppb		91
52)	2-Pentanone	7.04	43	85402	92.13	ppb		95
53)	1,2-Dichloropropane	7.02	63	3957	4.89	ppb	#	92
54)	Bromodichloromethane	7.35	83	17103	5.27	ppb		94
55)	Methyl Cyclohexane	6.97	83	11893	4.65	ppb		88
56)	Dibromomethane	7.15	93	6753	4.81	ppb		80
57)	MIBK (methyl isobutyl ket	8.00	43	42270	35.56	ppb		93
58)	1-Bromo-2-chloroethane	7.65	144	2454	5.40	ppb		75
59)	2-Chloroethyl vinyl ether	7.71	43	24	31.13	ppb	#	8
60)	Cis-1,3-Dichloropropene	7.82	75	13373	4.63	ppb		88
61)	Toluene	8.14	91	38116	4.61	ppb		90
62)	Trans-1,3-Dichloropropene	8.40	75	15004	5.27	ppb		94
63)	1,1,2-TCA	8.58	83	5654	4.42	ppb	#	77
64)	2-Hexanone	8.85	43	27745	34.95	ppb		97
67)	1,2-EDB	9.06	107	9426	4.95	ppb		85
68)	Tetrachloroethene	8.69	164	7864	3.30	ppb		95
69)	1-Chlorohexane	9.56	91	6822	4.76	ppb		94
70)	1,1,1,2-Tetrachloroethane	9.64	131	13944	5.21	ppb		98
71)	m&p-Xylene	9.80	106	38029	9.39	ppb		96
72)	o-Xylene	10.19	106	21349	5.01	ppb		87
73)	Styrene	10.20	104	30408	4.78	ppb		99
75)	1,3-Dichloropropane	8.74	76	13415	4.81	ppb		98
76)	Dibromochloromethane	8.96	129	14664	5.27	ppb		98

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

Data File : M:\MAX\DATA\211111\1111M26.D Vial: 6
Acq On : 11 Nov 21 20:32 Operator: LP,DG,CH
Sample : 5ug/L VOC STD 11/11/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Nov 12 9:06 2021 Quant Results File: M1111W.RES

Quant Method : M:\MAX\DATA\211111\M1111W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Nov 12 09:05:35 2021
Response via : Initial Calibration
DataAcq Meth : M8260

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
77)	Chlorobenzene	9.56	112	29828	4.80	ppb		92
78)	Ethylbenzene	9.68	91	47406	4.81	ppb		98
79)	Bromoform	10.37	173	11767	5.09	ppb		89
81)	Isopropylbenzene	10.56	105	51163	4.78	ppb		98
82)	1,1,2,2-Tetrachloroethane	10.87	83	8523	4.68	ppb	#	82
83)	1,2,3-Trichloropropane	10.90	110	4282	4.64	ppb		88
84)	t-1,4-Dichloro-2-Butene	10.93	53	1981	4.53	ppb		86
85)	Bromobenzene	10.84	156	17079	4.85	ppb		82
86)	n-Propylbenzene	10.97	91	50637	4.82	ppb		99
87)	4-Ethyltoluene	11.08	105	47495	4.89	ppb		93
88)	2-Chlorotoluene	11.04	91	40523	4.88	ppb		97
89)	1,3,5-Trimethylbenzene	11.15	105	44057	4.87	ppb		99
90)	4-Chlorotoluene	11.15	91	38796	4.69	ppb		100
91)	Tert-Butylbenzene	11.47	119	24768	4.93	ppb		98
92)	1,2,4-Trimethylbenzene	11.51	105	41861	4.87	ppb		96
93)	Sec-Butylbenzene	11.68	105	47327	4.93	ppb		96
94)	p-Isopropyltoluene	11.83	119	40964	4.42	ppb		97
95)	Benzyl Chloride	12.01	91	10876	4.93	ppb		98
96)	1,3-DCB	11.78	146	32153	5.28	ppb		91
97)	1,4-DCB	11.87	146	30559	4.93	ppb		91
98)	n-Butylbenzene	12.24	91	24240	4.68	ppb		92
99)	1,2-DCB	12.24	146	29517	4.96	ppb		92
100)	Hexachloroethane	12.48	117	7617	4.84	ppb		81
101)	1,2-Dibromo-3-chloropropan	13.02	75	2319	5.26	ppb		88
102)	1,2,4-Trichlorobenzene	13.83	180	7450	4.61	ppb		91
103)	Hexachlorobutadiene	14.01	225	10111	4.58	ppb		88
104)	Naphthalene	14.07	128	12639	3.87	ppb		97
105)	1,2,3-Trichlorobenzene	14.32	180	9083	4.78	ppb		96

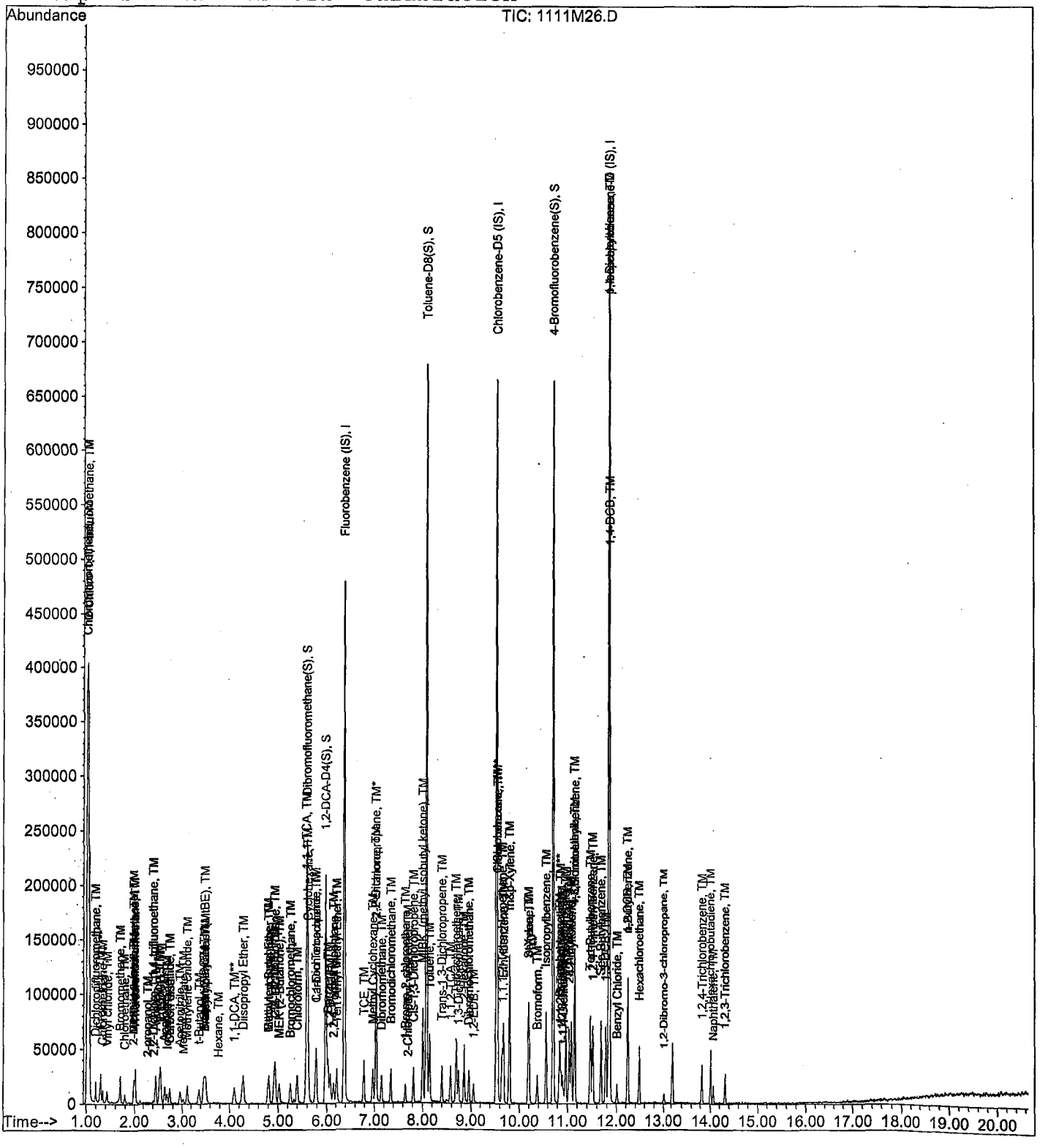
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\MAX\DATA\211111\1111M26.D Vial: 6
Acq On : 11 Nov 21 20:32 Operator: LP,DG,CH
Sample : 5ug/L VOC STD 11/11/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Nov 12 9:06 2021 Quant Results File: M1111W.RES

Method : M:\MAX\DATA\211111\M1111W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Nov 12 09:40:33 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211111\1111M27.D Vial: 7
Acq On : 11 Nov 21 21:00 Operator: LP,DG,CH
Sample : 10ug/L VOC STD 11/11/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Nov 12 9:06 2021 Quant Results File: M1111W.RES

Quant Method : M:\MAX\DATA\211111\M1111W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Nov 12 09:05:35 2021
Response via : Initial Calibration
DataAcq Meth : M8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.37	96	400946	25.00	ppb	0.00
65) Chlorobenzene-D5 (IS)	9.53	117	356817	25.00	ppb	0.00
80) 1,4-Dichlorobenzene-D (IS)	11.85	152	231463	25.00	ppb	0.00
System Monitoring Compounds						
41) Dibromofluoromethane(S)	5.59	111	125593	25.22	ppb	0.00
Spiked Amount 25.000			Recovery =	100.880%		
46) 1,2-DCA-D4(S)	5.98	65	88784	25.41	ppb	0.00
Spiked Amount 25.000			Recovery =	101.648%		
66) Toluene-D8(S)	8.08	98	424997	25.77	ppb	0.00
Spiked Amount 25.000			Recovery =	103.064%		
74) 4-Bromofluorobenzene(S)	10.70	95	168961	25.44	ppb	0.00
Spiked Amount 25.000			Recovery =	101.752%		
Target Compounds						Qvalue
2) Chlorotrifluoroethene	1.01	116	823	9.98	ppb	100
3) Dichlorodifluoromethane	1.20	85	22984	9.46	ppb	100
4) Freon 114	1.30	85	14926	10.78	ppb	100
5) Chloromethane	1.34	50	13183	9.28	ppb	100
6) Vinyl chloride	1.43	62	13203	7.69	ppb	100
7) 2-Chloro-1,1,1-trifluoroet	1.04	118	2348	49.92	ppb	100
8) Bromomethane	1.69	94	15538	10.27	ppb	100
9) Chloroethane	1.79	64	10756	9.58	ppb	100
10) Dichlorofluoromethane	1.99	67	36114	9.39	ppb	100
11) Trichlorofluoromethane	2.02	101	47637	10.24	ppb	100
12) 2,2-Dichloro-1,1,1-trifluo	2.41	85	93	19.97	ppb	100
13) Acrolein	2.46	56	21847	104.83	ppb	100
14) Acetone	2.63	43	23827	45.92	ppb	100
15) Freon-113	2.55	151	20152	10.50	ppb	100
16) Acetonitrile	2.96	41	15121	121.26	ppb	100
17) 2-propanol	2.28	45	825	49.92	ppb	100
18) 1,2-Dichlorotrifluoroethan	1.99	67	36114	9.39	ppb	100
19) 1,1-DCE	2.53	61	26310	9.39	ppb	100
20) t-Butanol	3.37	59	19743	122.14	ppb	100
21) Methyl Acetate	3.02	43	8249	9.43	ppb	100
22) Iodomethane	2.68	142	19181	9.81	ppb	100
23) Acrylonitrile	3.47	53	4623	9.47	ppb	100
24) 2-Methylpentane	2.13	71	44	9.98	ppb	100
25) Methylene chloride	3.11	84	16673	9.30	ppb	100
26) Carbon disulfide	2.74	76	20016	8.86	ppb	100
27) Methyl t-butyl ether (MtBE	3.50	73	57812	9.61	ppb	100
28) Trans-1,2-DCE	3.47	96	17417	8.98	ppb	100

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

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211111\1111M27.D Vial: 7
Acq On : 11 Nov 21 21:00 Operator: LP,DG,CH
Sample : 10ug/L VOC STD 11/11/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Nov 12 9:06 2021 Quant Results File: M1111W.RES

Quant Method : M:\MAX\DATA\211111\M1111W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Nov 12 09:05:35 2021
Response via : Initial Calibration
DataAcq Meth : M8260

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
29)	3-Methylpentane	3.50	57	9225	9.14	ppb		100
30)	Hexane	3.75	56	202	19.97	ppb		100
31)	Diisopropyl Ether	4.28	45	36030	9.65	ppb		100
32)	1,1-DCA	4.09	63	29730	10.13	ppb		100
34)	Ethyl tert Butyl Ether	4.81	59	45272	9.42	ppb		100
35)	Methylcyclopentane	4.80	56	2193	10.51	ppb		100
36)	MEK (2-Butanone)	5.02	43	24718	45.95	ppb		100
37)	Cis-1,2-DCE	4.95	96	19780	9.22	ppb		100
38)	2,2-Dichloropropane	4.93	77	39032	10.37	ppb		100
39)	Chloroform	5.39	83	39076	10.39	ppb		100
40)	Bromochloromethane	5.25	130	17072	10.05	ppb		100
42)	1,1,1-TCA	5.57	97	44793	10.05	ppb		100
43)	Cyclohexane	5.62	41	12062	9.35	ppb		100
44)	1,1-Dichloropropene	5.79	75	22986	9.53	ppb		100
45)	2,2,4-Trimethylpentane	6.15	57	32996	10.25	ppb		100
47)	Carbon Tetrachloride	5.77	117	42451	10.09	ppb		100
48)	Tert Amyl Methyl Ether	6.22	73	45755	9.67	ppb		100
49)	1,2-DCA	6.07	62	37625	10.01	ppb		100
50)	Benzene	6.03	78	63911	9.20	ppb		100
51)	TCE	6.78	95	21382	9.58	ppb		100
52)	2-Pentanone	7.04	43	103468	114.57	ppb		100
53)	1,2-Dichloropropane	7.02	63	7350	9.51	ppb		100
54)	Bromodichloromethane	7.34	83	32973	10.43	ppb		100
55)	Methyl Cyclohexane	6.97	83	25875	10.47	ppb		100
56)	Dibromomethane	7.15	93	13136	9.60	ppb		100
57)	MIBK (methyl isobutyl ket	8.00	43	55295	47.75	ppb		100
58)	1-Bromo-2-chloroethane	7.65	144	4417	9.97	ppb		100
59)	2-Chloroethyl vinyl ether	7.71	43	45	59.90	ppb	#	100
60)	Cis-1,3-Dichloropropene	7.82	75	27940	9.94	ppb		100
61)	Toluene	8.14	91	80753	10.02	ppb		100
62)	Trans-1,3-Dichloropropene	8.40	75	27257	9.82	ppb		100
63)	1,1,2-TCA	8.58	83	11706	9.39	ppb		100
64)	2-Hexanone	8.85	43	34667	44.82	ppb		100
67)	1,2-EDB	9.06	107	18555	9.85	ppb		100
68)	Tetrachloroethene	8.69	164	17160	9.07	ppb		100
69)	1-Chlorohexane	9.56	91	12989	9.16	ppb		100
70)	1,1,1,2-Tetrachloroethane	9.65	131	28334	10.70	ppb		100
71)	m&p-Xylene	9.79	106	80266	20.02	ppb		100
72)	o-Xylene	10.19	106	40639	9.64	ppb		100
73)	Styrene	10.20	104	60903	9.68	ppb		100
75)	1,3-Dichloropropane	8.74	76	26979	9.77	ppb		100
76)	Dibromochloromethane	8.96	129	25889	9.41	ppb		100

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

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211111\1111M27.D Vial: 7
Acq On : 11 Nov 21 21:00 Operator: LP,DG,CH
Sample : 10ug/L VOC STD 11/11/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Nov 12 9:06 2021 Quant Results File: M1111W.RES

Quant Method : M:\MAX\DATA\211111\M1111W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Nov 12 09:05:35 2021
Response via : Initial Calibration
DataAcq Meth : M8260

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
77)	Chlorobenzene	9.55	112	60128	9.78	ppb	100
78)	Ethylbenzene	9.68	91	94352	9.67	ppb	100
79)	Bromoform	10.37	173	21895	9.57	ppb	100
81)	Isopropylbenzene	10.56	105	105829	9.79	ppb	100
82)	1,1,2,2-Tetrachloroethane	10.87	83	16839	9.16	ppb	100
83)	1,2,3-Trichloropropane	10.90	110	9218	9.91	ppb	100
84)	t-1,4-Dichloro-2-Butene	10.92	53	3942	8.55	ppb	100
85)	Bromobenzene	10.84	156	35508	9.98	ppb	100
86)	n-Propylbenzene	10.97	91	103172	9.74	ppb	100
87)	4-Ethyltoluene	11.08	105	96927	9.88	ppb	100
88)	2-Chlorotoluene	11.04	91	78642	9.39	ppb	100
89)	1,3,5-Trimethylbenzene	11.14	105	88696	9.72	ppb	100
90)	4-Chlorotoluene	11.15	91	79169	9.49	ppb	100
91)	Tert-Butylbenzene	11.47	119	51216	10.11	ppb	100
92)	1,2,4-Trimethylbenzene	11.51	105	86750	9.99	ppb	100
93)	Sec-Butylbenzene	11.68	105	99580	10.27	ppb	100
94)	p-Isopropyltoluene	11.83	119	93919	10.04	ppb	100
95)	Benzyl Chloride	12.01	91	20103	9.03	ppb	100
96)	1,3-DCB	11.78	146	60112	9.79	ppb	100
97)	1,4-DCB	11.87	146	59719	9.55	ppb	100
98)	n-Butylbenzene	12.24	91	53810	8.69	ppb	100
99)	1,2-DCB	12.24	146	59199	9.86	ppb	100
100)	Hexachloroethane	12.48	117	15707	9.89	ppb	100
101)	1,2-Dibromo-3-chloropropan	13.01	75	4028	8.13	ppb	100
102)	1,2,4-Trichlorobenzene	13.84	180	18120	7.99	ppb	100
103)	Hexachlorobutadiene	14.01	225	23171	9.10	ppb	100
104)	Naphthalene	14.08	128	30282	7.46	ppb	100
105)	1,2,3-Trichlorobenzene	14.32	180	21674	7.70	ppb	100

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

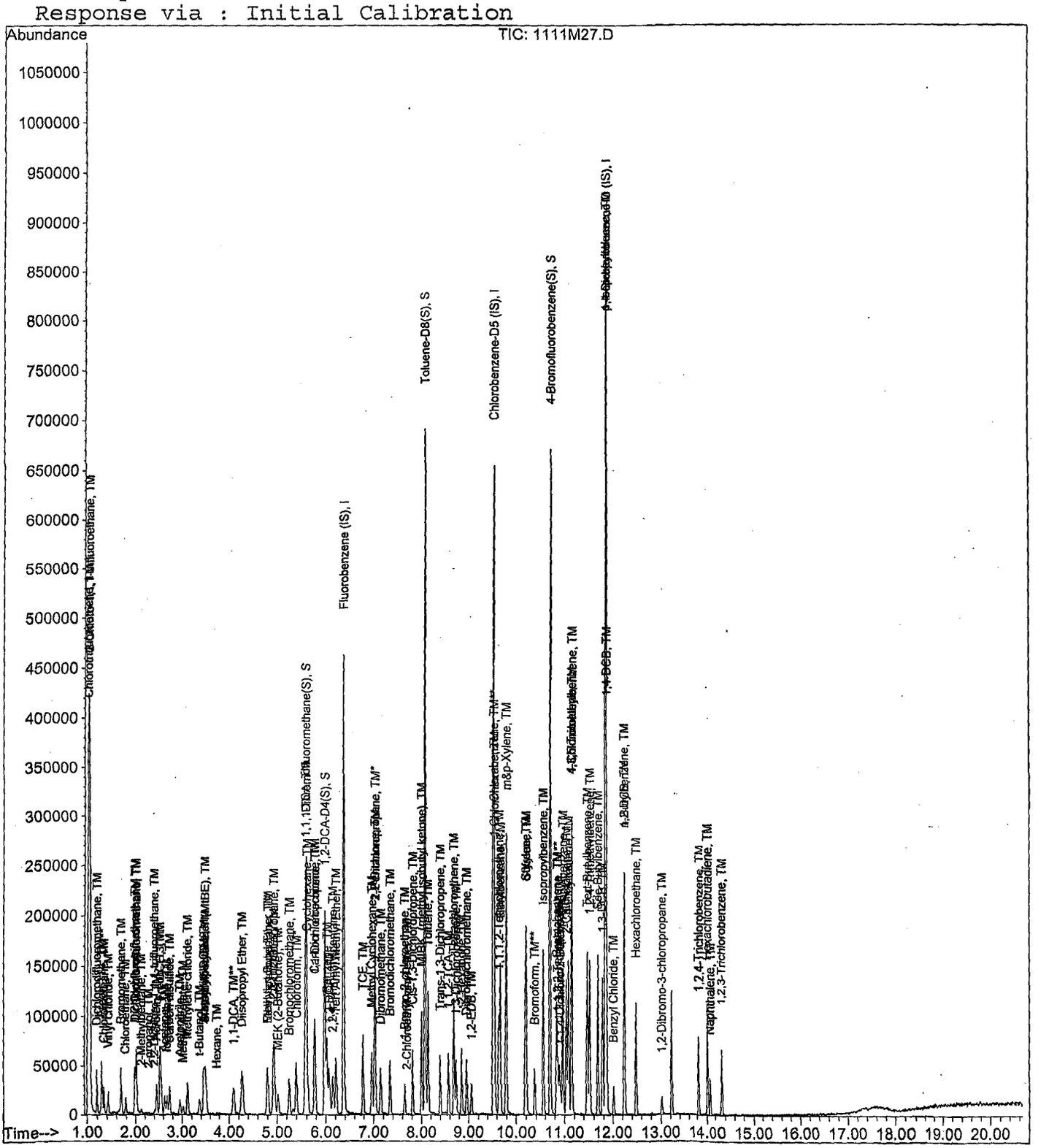
Quantitation Report

Data File : M:\MAX\DATA\211111\1111M27.D
Acq On : 11 Nov 21 21:00
Sample : 10ug/L VOC STD 11/11/21
Misc : IS&S 8/4/21

Vial: 7
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Nov 12 9:06 2021 Quant Results File: M1111W.RES

Method : M:\MAX\DATA\211111\M1111W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Nov 12 09:40:33 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211111\1111M28.D Vial: 8
Acq On : 11 Nov 21 21:28 Operator: LP,DG,CH
Sample : 20ug/L VOC STD 11/11/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Nov 12 9:06 2021 Quant Results File: M1111W.RES

Quant Method : M:\MAX\DATA\211111\M1111W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Nov 12 09:05:35 2021
Response via : Initial Calibration
DataAcq Meth : M8260

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene (IS)	6.37	96	404029	25.00	ppb		0.00
65) Chlorobenzene-D5 (IS)	9.53	117	358338	25.00	ppb		0.00
80) 1,4-Dichlorobenzene-D (IS)	11.85	152	243425	25.00	ppb		0.00
System Monitoring Compounds							
41) Dibromofluoromethane(S)	5.59	111	252655	50.35	ppb		0.00
Spiked Amount 25.000			Recovery = 201.388%				
46) 1,2-DCA-D4(S)	5.98	65	169984	48.28	ppb		0.00
Spiked Amount 25.000			Recovery = 193.128%				
66) Toluene-D8(S)	8.08	98	825135	49.81	ppb		0.00
Spiked Amount 25.000			Recovery = 199.248%				
74) 4-Bromofluorobenzene(S)	10.70	95	334735	50.18	ppb		0.00
Spiked Amount 25.000			Recovery = 200.728%				
Target Compounds							Qvalue
2) Chlorotrifluoroethene	1.04	116	1836	22.10	ppb	#	1
3) Dichlorodifluoromethane	1.19	85	44816	18.31	ppb		97
4) Freon 114	1.30	85	29562	21.18	ppb		87
5) Chloromethane	1.34	50	22624	15.81	ppb		98
6) Vinyl chloride	1.43	62	29171	16.86	ppb	#	75
7) 2-Chloro-1,1,1-trifluoroet	1.01	118	1756	37.05	ppb	#	41
8) Bromomethane	1.69	94	30220	19.82	ppb		99
9) Chloroethane	1.78	64	18499	15.49	ppb		96
10) Dichlorofluoromethane	1.99	67	68067	17.56	ppb		99
11) Trichlorofluoromethane	2.02	101	90145	19.24	ppb		98
12) 2,2-Dichloro-1,1,1-trifluo	2.54	85	15422	3285.92	ppb		100
13) Acrolein	2.46	56	27582	128.66	ppb		97
14) Acetone	2.63	43	28929	55.33	ppb		99
15) Freon-113	2.55	151	37628	19.45	ppb	#	81
16) Acetonitrile	2.96	41	17905	142.49	ppb		93
17) 2-propanol	2.28	45	1239	74.40	ppb	#	89
18) 1,2-Dichlorotrifluoroethan	1.99	67	68067	17.56	ppb		100
19) 1,1-DCE	2.53	61	50251	17.80	ppb		99
20) t-Butanol	3.38	59	23857	149.77	ppb	#	81
21) Methyl Acetate	3.02	43	14521	16.47	ppb		87
22) Iodomethane	2.68	142	40884	19.41	ppb		94
23) Acrylonitrile	3.47	53	8995	18.25	ppb	#	91
24) 2-Methylpentane	2.05	71	24	5.40	ppb	#	1
25) Methylene chloride	3.11	84	32606	18.06	ppb		93
26) Carbon disulfide	2.73	76	37720	16.57	ppb	#	93
27) Methyl t-butyl ether (MtBE	3.50	73	109398	18.05	ppb		97
28) Trans-1,2-DCE	3.46	96	33987	17.39	ppb		97

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

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211111\1111M28.D Vial: 8
Acq On : 11 Nov 21 21:28 Operator: LP,DG,CH
Sample : 20ug/L VOC STD 11/11/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Nov 12 9:06 2021 Quant Results File: M1111W.RES

Quant Method : M:\MAX\DATA\211111\M1111W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Nov 12 09:05:35 2021
Response via : Initial Calibration
DataAcq Meth : M8260

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
29)	3-Methylpentane	3.50	57	18284	18.34	ppb	#	97
30)	Hexane	3.75	56	116	11.38	ppb		100
31)	Diisopropyl Ether	4.28	45	72616	19.31	ppb		95
32)	1,1-DCA	4.09	63	57059	19.29	ppb		96
34)	Ethyl tert Butyl Ether	4.80	59	87044	17.98	ppb		100
35)	Methylcyclopentane	4.80	56	4177	21.20	ppb		100
36)	MEK (2-Butanone)	5.02	43	30148	55.62	ppb	#	87
37)	Cis-1,2-DCE	4.95	96	41425	19.16	ppb		94
38)	2,2-Dichloropropane	4.93	77	70981	18.71	ppb	#	89
39)	Chloroform	5.39	83	78196	20.63	ppb		94
40)	Bromochloromethane	5.25	130	32800	19.56	ppb		90
42)	1,1,1-TCA	5.57	97	90169	20.07	ppb		96
43)	Cyclohexane	5.62	41	22845	17.58	ppb		88
44)	1,1-Dichloropropene	5.78	75	46082	18.97	ppb		88
45)	2,2,4-Trimethylpentane	6.15	57	63118	19.47	ppb		95
47)	Carbon Tetrachloride	5.77	117	82321	19.42	ppb		87
48)	Tert Amyl Methyl Ether	6.21	73	87845	18.43	ppb		94
49)	1,2-DCA	6.07	62	72663	19.19	ppb		97
50)	Benzene	6.03	78	128173	18.30	ppb		95
51)	TCE	6.78	95	40845	18.17	ppb		97
52)	2-Pentanone	7.03	43	125452	137.85	ppb		99
53)	1,2-Dichloropropane	7.03	63	13498	17.49	ppb		98
54)	Bromodichloromethane	7.34	83	63782	20.02	ppb		92
55)	Methyl Cyclohexane	6.96	83	47414	19.10	ppb		95
56)	Dibromomethane	7.15	93	23136	16.78	ppb		93
57)	MIBK (methyl isobutyl ket	8.00	43	62903	53.90	ppb	#	92
58)	1-Bromo-2-chloroethane	7.65	144	8974	20.11	ppb		91
59)	2-Chloroethyl vinyl ether	7.72	43	19	25.10	ppb	#	32
60)	Cis-1,3-Dichloropropene	7.82	75	56160	19.82	ppb		95
61)	Toluene	8.14	91	151728	18.69	ppb		96
62)	Trans-1,3-Dichloropropene	8.40	75	53294	19.05	ppb		93
63)	1,1,2-TCA	8.57	83	21157	16.84	ppb		93
64)	2-Hexanone	8.85	43	41456	53.19	ppb		99
67)	1,2-EDB	9.06	107	34558	18.27	ppb		85
68)	Tetrachloroethene	8.69	164	32240	18.27	ppb		96
69)	1-Chlorohexane	9.56	91	26656	18.71	ppb		93
70)	1,1,1,2-Tetrachloroethane	9.65	131	54422	20.46	ppb		94
71)	m&p-Xylene	9.79	106	158733	39.43	ppb		97
72)	o-Xylene	10.19	106	79841	18.85	ppb		100
73)	Styrene	10.20	104	128641	20.36	ppb		99
75)	1,3-Dichloropropane	8.74	76	48269	17.40	ppb		85
76)	Dibromochloromethane	8.96	129	53624	19.40	ppb		87

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

Data File : M:\MAX\DATA\211111\1111M28.D Vial: 8
Acq On : 11 Nov 21 21:28 Operator: LP,DG,CH
Sample : 20ug/L VOC STD 11/11/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Nov 12 9:06 2021 Quant Results File: M1111W.RES

Quant Method : M:\MAX\DATA\211111\M1111W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Nov 12 09:05:35 2021
Response via : Initial Calibration
DataAcq Meth : M8260

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
77)	Chlorobenzene	9.55	112	114870	18.60	ppb	97
78)	Ethylbenzene	9.68	91	186863	19.07	ppb	98
79)	Bromoform	10.37	173	43702	19.02	ppb	97
81)	Isopropylbenzene	10.56	105	205496	18.07	ppb	99
82)	1,1,2,2-Tetrachloroethane	10.87	83	32364	16.74	ppb	93
83)	1,2,3-Trichloropropane	10.90	110	16544	16.90	ppb	99
84)	t-1,4-Dichloro-2-Butene	10.93	53	8153	16.42	ppb	96
85)	Bromobenzene	10.84	156	67558	18.06	ppb	83
86)	n-Propylbenzene	10.97	91	207359	18.61	ppb	97
87)	4-Ethyltoluene	11.08	105	196238	19.02	ppb	98
88)	2-Chlorotoluene	11.04	91	158529	17.99	ppb	100
89)	1,3,5-Trimethylbenzene	11.14	105	179984	18.75	ppb	98
90)	4-Chlorotoluene	11.15	91	163273	18.61	ppb	95
91)	Tert-Butylbenzene	11.47	119	112432	21.10	ppb	95
92)	1,2,4-Trimethylbenzene	11.51	105	181331	19.85	ppb	97
93)	Sec-Butylbenzene	11.68	105	202000	19.80	ppb	97
94)	p-Isopropyltoluene	11.83	119	194486	19.76	ppb	98
95)	Benzyl Chloride	12.01	91	41709	17.81	ppb	100
96)	1,3-DCB	11.78	146	120893	18.71	ppb	98
97)	1,4-DCB	11.87	146	120929	18.38	ppb	95
98)	n-Butylbenzene	12.24	91	118945	16.80	ppb	96
99)	1,2-DCB	12.24	146	121451	19.23	ppb	96
100)	Hexachloroethane	12.48	117	31640	18.94	ppb	89
101)	1,2-Dibromo-3-chloropropan	13.02	75	9721	17.01	ppb	85
102)	1,2,4-Trichlorobenzene	13.84	180	41960	14.94	ppb	96
103)	Hexachlorobutadiene	14.01	225	49567	17.46	ppb	93
104)	Naphthalene	14.08	128	78035	15.94	ppb	98
105)	1,2,3-Trichlorobenzene	14.32	180	53846	14.58	ppb	94

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

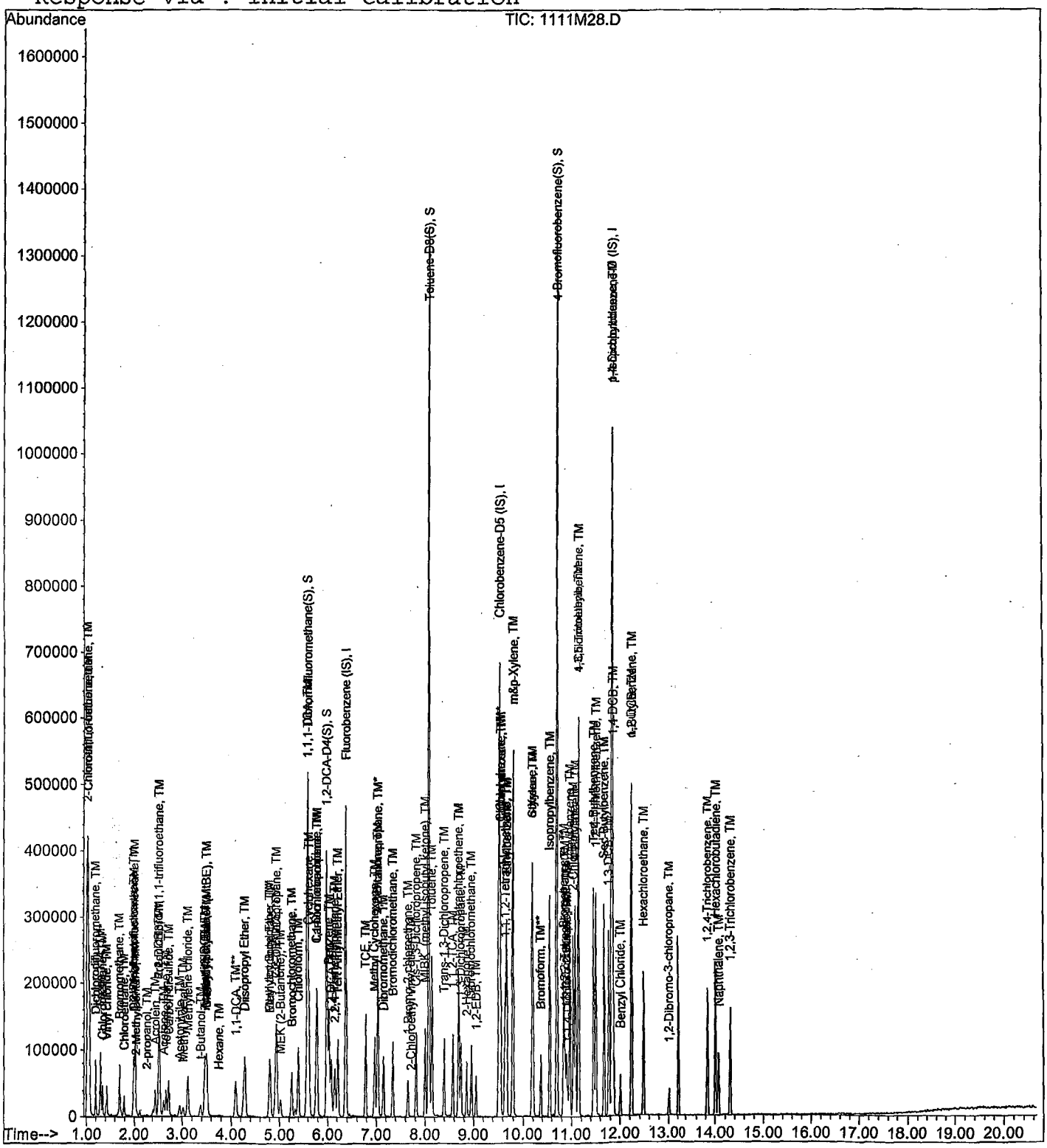
Quantitation Report

Data File : M:\MAX\DATA\211111\1111M28.D
Acq On : 11 Nov 21 21:28
Sample : 20ug/L VOC STD 11/11/21
Misc : IS&S 8/4/21

Vial: 8
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Nov 12 9:06 2021
Quant Results File: M1111W.RES

Method : M:\MAX\DATA\211111\M1111W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Nov 12 09:40:33 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211111\1111M29.D Vial: 9
Acq On : 11 Nov 21 21:57 Operator: LP,DG,CH
Sample : 40ug/L VOC STD 11/11/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Nov 12 9:06 2021 Quant Results File: M1111W.RES

Quant Method : M:\MAX\DATA\211111\M1111W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Nov 12 09:05:35 2021
Response via : Initial Calibration
DataAcq Meth : M8260

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene (IS)	6.37	96	410532	25.00	ppb		0.00
65) Chlorobenzene-D5 (IS)	9.53	117	372777	25.00	ppb		0.00
80) 1,4-Dichlorobenzene-D (IS)	11.84	152	245394	25.00	ppb		0.00
System Monitoring Compounds							
41) Dibromofluoromethane(S)	5.59	111	259251	50.84	ppb		0.00
Spiked Amount 25.000			Recovery = 203.372%				
46) 1,2-DCA-D4(S)	5.98	65	172352	48.18	ppb		0.00
Spiked Amount 25.000			Recovery = 192.716%				
66) Toluene-D8(S)	8.08	98	841773	48.85	ppb		0.00
Spiked Amount 25.000			Recovery = 195.396%				
74) 4-Bromofluorobenzene(S)	10.70	95	342243	49.32	ppb		0.00
Spiked Amount 25.000			Recovery = 197.280%				
Target Compounds							Qvalue
2) Chlorotrifluoroethene	1.02	116	1920	22.75	ppb	#	85
3) Dichlorodifluoromethane	1.19	85	91848	36.94	ppb		100
4) Freon 114	1.30	85	61558	43.40	ppb		93
5) Chloromethane	1.34	50	52016	35.78	ppb		98
6) Vinyl chloride	1.43	62	58412	33.22	ppb		84
7) 2-Chloro-1,1,1-trifluoroet	1.04	118	2375	49.31	ppb	#	28
8) Bromomethane	1.69	94	59595	38.46	ppb		99
9) Chloroethane	1.78	64	37432	29.62	ppb		97
10) Dichlorofluoromethane	1.99	67	145200	36.87	ppb		99
11) Trichlorofluoromethane	2.01	101	188147	39.52	ppb		100
12) 2,2-Dichloro-1,1,1-trifluo	2.55	85	30548	6405.68	ppb		100
13) Acrolein	2.46	56	32694	147.22	ppb		95
14) Acetone	2.63	43	38611	72.68	ppb		98
15) Freon-113	2.55	151	81158	41.29	ppb		90
16) Acetonitrile	2.96	41	21885	171.41	ppb		97
17) 2-propanol	2.29	45	2841	167.89	ppb	#	83
18) 1,2-Dichlorotrifluoroethan	1.99	67	145200	36.87	ppb		100
19) 1,1-DCE	2.53	61	105741	36.86	ppb		96
20) t-Butanol	3.38	59	35344	237.46	ppb	#	80
21) Methyl Acetate	3.02	43	32588	36.34	ppb		97
22) Iodomethane	2.68	142	94938	42.82	ppb		90
23) Acrylonitrile	3.46	53	18608	37.13	ppb	#	84
24) 2-Methylpentane	2.11	71	120	26.59	ppb	#	1
25) Methylene chloride	3.11	84	66806	36.41	ppb		86
26) Carbon disulfide	2.73	76	82112	35.50	ppb		97
27) Methyl t-butyl ether (MtBE	3.50	73	237272	38.53	ppb		96
28) Trans-1,2-DCE	3.46	96	72259	36.38	ppb		93

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

Data File : M:\MAX\DATA\211111\1111M29.D Vial: 9
Acq On : 11 Nov 21 21:57 Operator: LP,DG,CH
Sample : 40ug/L VOC STD 11/11/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Nov 12 9:06 2021 Quant Results File: M1111W.RES

Quant Method : M:\MAX\DATA\211111\M1111W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Nov 12 09:05:35 2021
Response via : Initial Calibration
DataAcq Meth : M8260

Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
29) 3-Methylpentane	3.50	57	39446	39.37	ppb		95
30) Hexane	3.74	56	520	50.20	ppb	#	100
31) Diisopropyl Ether	4.28	45	153571	40.19	ppb		97
32) 1,1-DCA	4.09	63	116612	38.79	ppb		95
34) Ethyl tert Butyl Ether	4.80	59	186951	38.00	ppb		97
35) Methylcyclopentane	4.80	56	7494	38.58	ppb		100
36) MEK (2-Butanone)	5.02	43	41437	75.23	ppb		95
37) Cis-1,2-DCE	4.95	96	82080	37.35	ppb		91
38) 2,2-Dichloropropane	4.93	77	148357	38.50	ppb		97
39) Chloroform	5.39	83	163342	42.41	ppb		92
40) Bromochloromethane	5.25	130	65934	39.14	ppb		96
42) 1,1,1-TCA	5.57	97	185118	40.55	ppb		98
43) Cyclohexane	5.62	41	48922	37.05	ppb		87
44) 1,1-Dichloropropene	5.78	75	92663	37.54	ppb		94
45) 2,2,4-Trimethylpentane	6.15	57	136200	41.34	ppb		97
47) Carbon Tetrachloride	5.77	117	171977	39.93	ppb		98
48) Tert Amyl Methyl Ether	6.21	73	180481	37.27	ppb		96
49) 1,2-DCA	6.07	62	149890	38.96	ppb		98
50) Benzene	6.03	78	263460	37.02	ppb		94
51) TCE	6.78	95	86779	37.99	ppb		99
52) 2-Pentanone	7.03	43	157666	170.51	ppb		97
53) 1,2-Dichloropropane	7.02	63	29375	37.67	ppb		97
54) Bromodichloromethane	7.34	83	131973	40.76	ppb		93
55) Methyl Cyclohexane	6.97	83	102821	40.84	ppb		98
56) Dibromomethane	7.15	93	49294	35.19	ppb		91
57) MIBK (methyl isobutyl ket	8.00	43	91035	76.77	ppb		94
58) 1-Bromo-2-chloroethane	7.65	144	17920	39.51	ppb		92
59) 2-Chloroethyl vinyl ether	7.77	43	88	114.41	ppb	#	32
60) Cis-1,3-Dichloropropene	7.82	75	120096	41.72	ppb		92
61) Toluene	8.14	91	320702	38.88	ppb		96
62) Trans-1,3-Dichloropropene	8.40	75	121311	42.68	ppb		95
63) 1,1,2-TCA	8.58	83	48125	37.71	ppb		98
64) 2-Hexanone	8.85	43	59620	75.28	ppb		98
67) 1,2-EDB	9.06	107	70434	35.79	ppb	#	77
68) Tetrachloroethene	8.69	164	67208	38.12	ppb		97
69) 1-Chlorohexane	9.56	91	56896	38.40	ppb		95
70) 1,1,1,2-Tetrachloroethane	9.65	131	114802	41.48	ppb		99
71) m&p-Xylene	9.80	106	331735	79.22	ppb		100
72) o-Xylene	10.19	106	163008	37.00	ppb		99
73) Styrene	10.20	104	268247	40.81	ppb		97
75) 1,3-Dichloropropane	8.74	76	107722	37.32	ppb		94
76) Dibromochloromethane	8.96	129	118556	41.23	ppb		94

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

Data File : M:\MAX\DATA\211111\1111M29.D Vial: 9
Acq On : 11 Nov 21 21:57 Operator: LP,DG,CH
Sample : 40ug/L VOC STD 11/11/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Nov 12 9:06 2021 Quant Results File: M1111W.RES

Quant Method : M:\MAX\DATA\211111\M1111W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Nov 12 09:05:35 2021
Response via : Initial Calibration
DataAcq Meth : M8260

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
77)	Chlorobenzene	9.55	112	253152	39.40	ppb		93
78)	Ethylbenzene	9.68	91	389158	38.18	ppb		99
79)	Bromoform	10.37	173	92475	38.69	ppb		93
81)	Isopropylbenzene	10.56	105	440003	38.39	ppb		100
82)	1,1,2,2-Tetrachloroethane	10.87	83	65314	33.51	ppb	#	97
83)	1,2,3-Trichloropropane	10.90	110	34803	35.27	ppb		91
84)	t-1,4-Dichloro-2-Butene	10.92	53	16174	31.93	ppb		96
85)	Bromobenzene	10.84	156	144813	38.41	ppb		86
86)	n-Propylbenzene	10.97	91	443246	39.46	ppb		96
87)	4-Ethyltoluene	11.08	105	420235	40.40	ppb		99
88)	2-Chlorotoluene	11.04	91	330523	37.21	ppb		96
89)	1,3,5-Trimethylbenzene	11.14	105	378109	39.08	ppb		100
90)	4-Chlorotoluene	11.15	91	336524	38.05	ppb		92
91)	Tert-Butylbenzene	11.47	119	230016	42.82	ppb		98
92)	1,2,4-Trimethylbenzene	11.51	105	378010	41.05	ppb		100
93)	Sec-Butylbenzene	11.68	105	435797	42.38	ppb		99
94)	p-Isopropyltoluene	11.83	119	423619	42.70	ppb		97
95)	Benzyl Chloride	12.01	91	89732	38.01	ppb		96
96)	1,3-DCB	11.78	146	253470	38.92	ppb		99
97)	1,4-DCB	11.87	146	246246	37.13	ppb		98
98)	n-Butylbenzene	12.24	91	271806	36.38	ppb		98
99)	1,2-DCB	12.24	146	249651	39.20	ppb		97
100)	Hexachloroethane	12.48	117	71950	42.71	ppb		84
101)	1,2-Dibromo-3-chloropropan	13.01	75	19128	31.99	ppb		95
102)	1,2,4-Trichlorobenzene	13.83	180	105896	34.06	ppb		95
103)	Hexachlorobutadiene	14.01	225	115668	39.08	ppb		93
104)	Naphthalene	14.08	128	203041	35.98	ppb		98
105)	1,2,3-Trichlorobenzene	14.32	180	133413	31.99	ppb		98

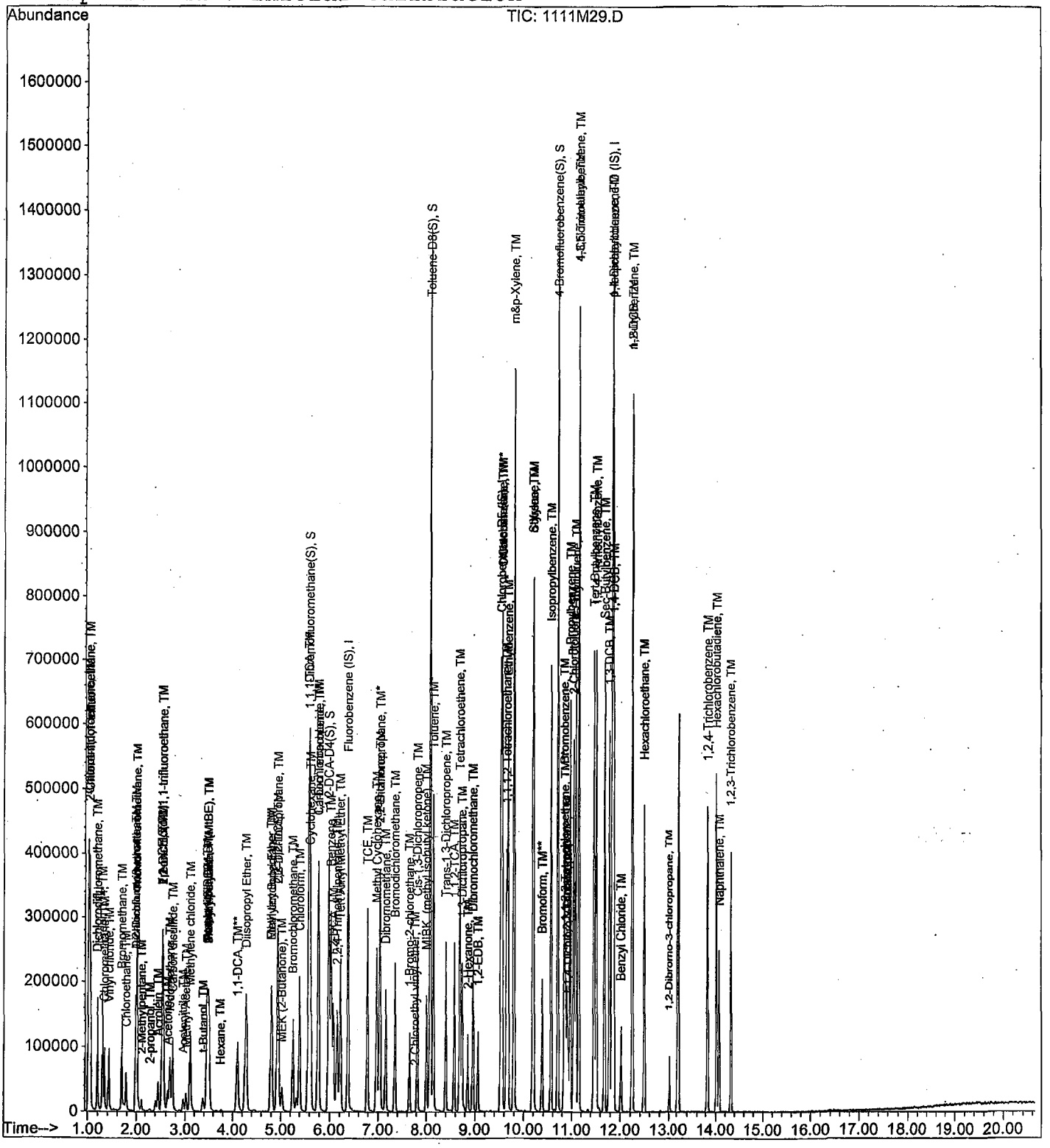
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\MAX\DATA\211111\1111M29.D Vial: 9
Acq On : 11 Nov 21 21:57 Operator: LP,DG,CH
Sample : 40ug/L VOC STD 11/11/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Nov 12 9:06 2021 Quant Results File: M1111W.RES

Method : M:\MAX\DATA\211111\M1111W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Nov 12 09:40:33 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211111\1111M30.D Vial: 10
Acq On : 11 Nov 21 22:25 Operator: LP,DG,CH
Sample : 100ug/L VOC STD 11/11/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Nov 12 9:06 2021 Quant Results File: M1111W.RES

Quant Method : M:\MAX\DATA\211111\M1111W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Nov 12 09:05:35 2021
Response via : Initial Calibration
DataAcq Meth : M8260

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene (IS)	6.37	96	401409	25.00	ppb		0.00
65) Chlorobenzene-D5 (IS)	9.53	117	366234	25.00	ppb		0.00
80) 1,4-Dichlorobenzene-D (IS)	11.84	152	257008	25.00	ppb		0.00
System Monitoring Compounds							
41) Dibromofluoromethane(S)	5.59	111	457653	91.79	ppb		0.00
Spiked Amount 25.000			Recovery = 367.172%				
46) 1,2-DCA-D4(S)	5.98	65	299456	85.61	ppb		0.00
Spiked Amount 25.000			Recovery = 342.444%				
66) Toluene-D8(S)	8.08	98	1531875	90.48	ppb		0.00
Spiked Amount 25.000			Recovery = 361.936%				
74) 4-Bromofluorobenzene(S)	10.70	95	673598	98.81	ppb		0.00
Spiked Amount 25.000			Recovery = 395.224%				
Target Compounds							Qvalue
2) Chlorotrifluoroethene	1.00	116	147	1.78	ppb	#	44
3) Dichlorodifluoromethane	1.19	85	226688	93.24	ppb		99
4) Freon 114	1.30	85	150805	108.74	ppb		91
5) Chloromethane	1.34	50	124679	87.71	ppb		100
6) Vinyl chloride	1.43	62	142336	82.79	ppb		84
7) 2-Chloro-1,1,1-trifluoroet	1.02	118	2151	45.68	ppb	#	84
8) Bromomethane	1.69	94	142416	94.01	ppb		98
9) Chloroethane	1.77	64	120449	94.64	ppb		90
10) Dichlorofluoromethane	1.98	67	338991	88.03	ppb		98
11) Trichlorofluoromethane	2.00	101	437079	93.89	ppb		97
12) 2,2-Dichloro-1,1,1-trifluo	2.54	85	72338	15513.46	ppb	#	100
13) Acrolein	2.46	56	36951	166.51	ppb		86
14) Acetone	2.64	43	49535	95.36	ppb		97
15) Freon-113	2.54	151	186024	96.80	ppb		86
16) Acetonitrile	2.97	41	25034	200.53	ppb	#	82
17) 2-propanol	2.27	45	125	7.55	ppb	#	61
18) 1,2-Dichlorotrifluoroethan	1.98	67	338991	88.03	ppb	#	100
19) 1,1-DCE	2.52	61	254599	90.78	ppb		98
20) t-Butanol	3.40	59	49220	420.89	ppb	#	91
21) Methyl Acetate	3.02	43	76120	86.64	ppb		91
22) Iodomethane	2.68	142	236547	107.26	ppb		94
23) Acrylonitrile	3.47	53	43725	89.19	ppb		90
24) 2-Methylpentane	2.10	71	723	163.86	ppb	#	7
25) Methylene chloride	3.11	84	160077	89.22	ppb		86
26) Carbon disulfide	2.73	76	179840	79.52	ppb		95
27) Methyl t-butyl ether (MtBE	3.50	73	525547	87.28	ppb		97
28) Trans-1,2-DCE	3.46	96	167296	86.14	ppb		97

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

Data File : M:\MAX\DATA\211111\1111M30.D Vial: 10
Acq On : 11 Nov 21 22:25 Operator: LP,DG,CH
Sample : 100ug/L VOC STD 11/11/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Nov 12 9:06 2021 Quant Results File: M1111W.RES

Quant Method : M:\MAX\DATA\211111\M1111W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Nov 12 09:05:35 2021
Response via : Initial Calibration
DataAcq Meth : M8260

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
29)	3-Methylpentane	3.50	57	87114	89.39	ppb		100
30)	Hexane	3.74	56	1307	129.05	ppb	#	100
31)	Diisopropyl Ether	4.28	45	362535	97.03	ppb		99
32)	1,1-DCA	4.09	63	270425	92.01	ppb		98
34)	Ethyl tert Butyl Ether	4.80	59	430166	89.43	ppb		99
35)	Methylcyclopentane	4.80	56	16875	90.81	ppb	#	100
36)	MEK (2-Butanone)	5.03	43	50752	94.24	ppb		95
37)	Cis-1,2-DCE	4.94	96	192790	89.73	ppb		92
38)	2,2-Dichloropropane	4.92	77	341813	90.71	ppb		98
39)	Chloroform	5.39	83	381193	101.23	ppb		97
40)	Bromochloromethane	5.25	130	154971	94.73	ppb		90
42)	1,1,1-TCA	5.57	97	424060	95.00	ppb		97
43)	Cyclohexane	5.62	41	115778	89.68	ppb		91
44)	1,1-Dichloropropene	5.78	75	224703	93.09	ppb		92
45)	2,2,4-Trimethylpentane	6.15	57	326876	101.47	ppb		99
47)	Carbon Tetrachloride	5.77	117	405417	96.27	ppb		95
48)	Tert Amyl Methyl Ether	6.21	73	415894	87.83	ppb	#	94
49)	1,2-DCA	6.07	62	345748	91.92	ppb		100
50)	Benzene	6.03	78	608246	87.42	ppb		95
51)	TCE	6.78	95	198550	88.90	ppb		97
52)	2-Pentanone	7.04	43	172512	190.80	ppb		93
53)	1,2-Dichloropropane	7.02	63	69624	91.60	ppb		99
54)	Bromodichloromethane	7.34	83	314864	99.46	ppb		97
55)	Methyl Cyclohexane	6.97	83	240488	97.80	ppb		97
56)	Dibromomethane	7.15	93	116110	84.78	ppb		93
57)	MIBK (methyl isobutyl ket	8.01	43	111277	95.98	ppb		99
58)	1-Bromo-2-chloroethane	7.65	144	43130	97.27	ppb		94
59)	2-Chloroethyl vinyl ether	7.70	43	72	95.73	ppb	#	32
60)	Cis-1,3-Dichloropropene	7.82	75	284536	101.09	ppb		95
61)	Toluene	8.14	91	763942	94.72	ppb		95
62)	Trans-1,3-Dichloropropene	8.40	75	284366	102.32	ppb		97
63)	1,1,2-TCA	8.57	83	111262	89.16	ppb		94
64)	2-Hexanone	8.86	43	75249	97.17	ppb		97
67)	1,2-EDB	9.06	107	176554	91.30	ppb		91
68)	Tetrachloroethene	8.69	164	159680	94.30	ppb		98
69)	1-Chlorohexane	9.56	91	145664	100.06	ppb		96
70)	1,1,1,2-Tetrachloroethane	9.65	131	280557	103.18	ppb		98
71)	m&p-Xylene	9.79	106	819687	199.23	ppb		98
72)	o-Xylene	10.19	106	418040	96.58	ppb		100
73)	Styrene	10.20	104	683285	105.81	ppb		97
75)	1,3-Dichloropropane	8.74	76	251787	88.79	ppb		93
76)	Dibromochloromethane	8.96	129	278673	98.64	ppb		89

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

Data File : M:\MAX\DATA\211111\1111M30.D Vial: 10
Acq On : 11 Nov 21 22:25 Operator: LP,DG,CH
Sample : 100ug/L VOC STD 11/11/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Nov 12 9:06 2021 Quant Results File: M1111W.RES

Quant Method : M:\MAX\DATA\211111\M1111W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Nov 12 09:05:35 2021
Response via : Initial Calibration
DataAcq Meth : M8260

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
77)	Chlorobenzene	9.55	112	600846	95.20	ppb		95
78)	Ethylbenzene	9.68	91	968735	96.74	ppb		99
79)	Bromoform	10.37	173	232610	99.05	ppb		99
81)	Isopropylbenzene	10.56	105	1102475	91.83	ppb		100
82)	1,1,2,2-Tetrachloroethane	10.87	83	175057	85.76	ppb	#	97
83)	1,2,3-Trichloropropane	10.90	110	90959	88.02	ppb		90
84)	t-1,4-Dichloro-2-Butene	10.92	53	45329	84.76	ppb		95
85)	Bromobenzene	10.84	156	367600	93.09	ppb		90
86)	n-Propylbenzene	10.97	91	1127844	95.87	ppb		96
87)	4-Ethyltoluene	11.08	105	1071396	98.36	ppb		97
88)	2-Chlorotoluene	11.04	91	857599	92.17	ppb		96
89)	1,3,5-Trimethylbenzene	11.14	105	968403	95.57	ppb		99
90)	4-Chlorotoluene	11.15	91	856438	92.46	ppb		95
91)	Tert-Butylbenzene	11.46	119	604480	107.44	ppb		98
92)	1,2,4-Trimethylbenzene	11.51	105	999392	103.63	ppb		100
93)	Sec-Butylbenzene	11.68	105	1149648	106.74	ppb		94
94)	p-Isopropyltoluene	11.83	119	1129734	108.74	ppb		97
95)	Benzyl Chloride	12.01	91	270909	109.56	ppb		96
96)	1,3-DCB	11.78	146	663876	97.33	ppb		98
97)	1,4-DCB	11.87	146	652535	93.94	ppb		96
98)	n-Butylbenzene	12.24	91	767919	95.87	ppb		99
99)	1,2-DCB	12.24	146	668466	100.22	ppb		97
100)	Hexachloroethane	12.48	117	192072	108.88	ppb		85
101)	1,2-Dibromo-3-chloropropan	13.01	75	56554	87.97	ppb		93
102)	1,2,4-Trichlorobenzene	13.83	180	328832	96.65	ppb		94
103)	Hexachlorobutadiene	14.01	225	316329	100.40	ppb		92
104)	Naphthalene	14.08	128	673906	90.41	ppb		99
105)	1,2,3-Trichlorobenzene	14.32	180	427843	92.48	ppb		99

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

Quantitation Report

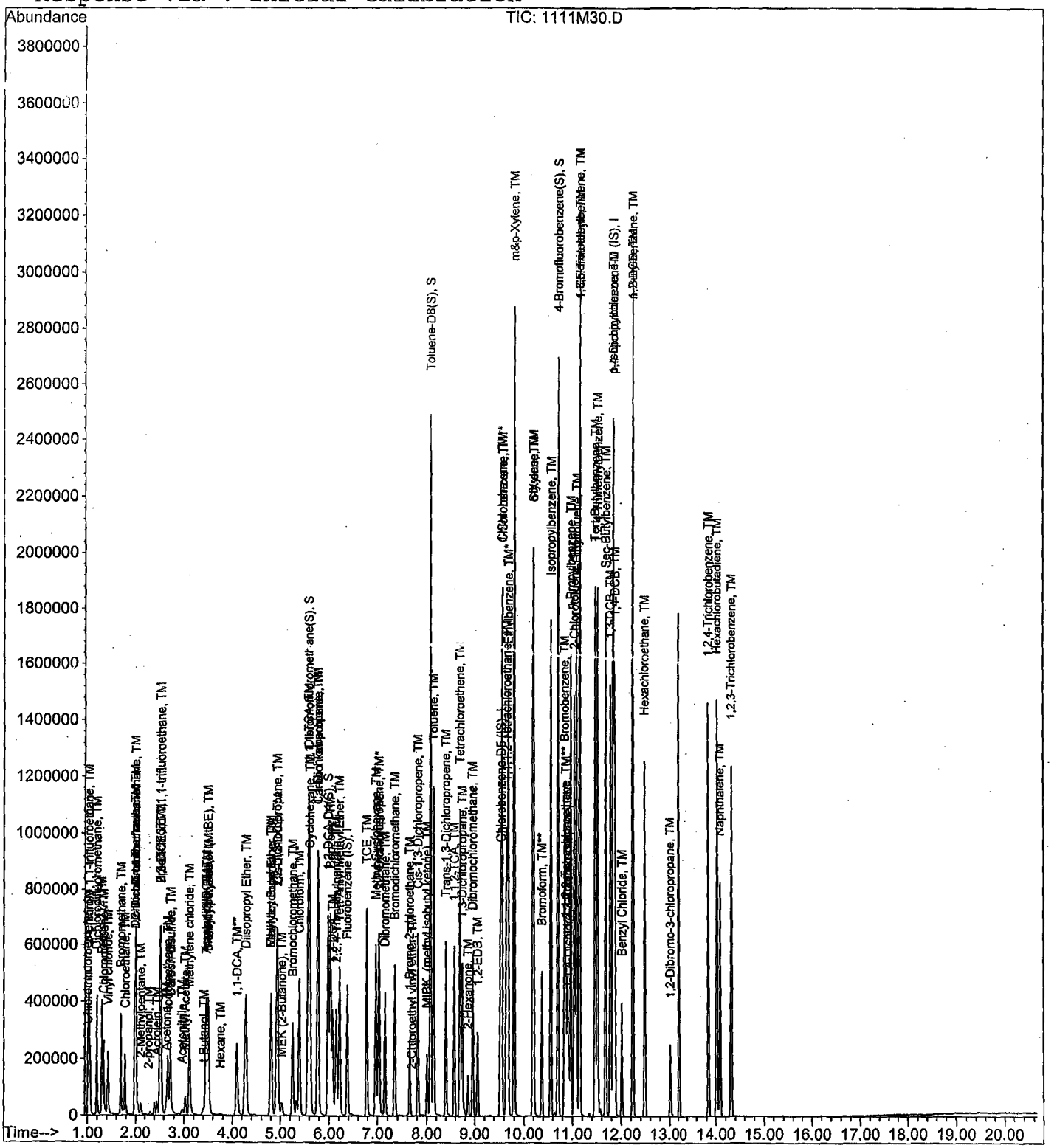
Data File : M:\MAX\DATA\211111\1111M30.D
Acq On : 11 Nov 21 22:25
Sample : 100ug/L VOC STD 11/11/21
Misc : IS&S 8/4/21

Vial: 10
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Nov 12 9:06 2021

Quant Results File: M1111W.RES

Method : M:\MAX\DATA\211111\M1111W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Nov 12 09:40:33 2021
Response via : Initial Calibration



VOLATILE ORGANIC ANALYSIS BY
EPA METHOD 8260B

Form 7

Second Source Calibration

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

SDG No:
Date Analyzed: 11/11/2021
Instrument: Max
Initial Cal. Date: 11/11/2021
Data File: 1111M32.D

		Compound	MEAN	CCRF	%D		%Drift	
1	TM	Chlorotrifluoroethene	0.0000	0.0091	0.00	TM		
2	TM	Dichlorodifluoromethane	0.1340	0.1224	8.7	TM		
3	TM	Freon 114	0.0911	0.0902	0.97	TM		
4	TM**L	Chloromethane	0.0872	0.0759	13	TM**L	3.1	
5	TM*	Vinyl chloride	0.0927	0.0908	2.0	TM*		
6	TM	2-Chloro-1,1,1-trifluoroethane	0.0000	0.0021	0.00	TM		
7	TM	Bromomethane	0.1031	0.0950	7.9	TM		
8	TML	Chloroethane	0.0887	0.0529	40	TML	16	
9	TM	Dichlorofluoromethane	0.2076	0.2076	0.00	TM		
10	TM	Trichlorofluoromethane	0.2656	0.2497	6.0	TM		
11	TM	2,2-Dichloro-1,1,1-trifluoroethane	0.0000	0.0227	0.00	TM		
12	TM	Acrolein	0.0117	0.0101	14	TM		
13	TM	Acetone	0.0301	0.0283	6.0	TM		
14	TM	Freon-113	0.1170	0.1106	5.5	TM		
15	TM	Acetonitrile	0.0075	0.0070	6.6	TM		
16	TML	2-propanol	0.0000	0.0004	0.00	TML		
17	TM	1,2-Dichlorotrifluoroethane	0.2076	0.2076	0.00	TM		
18	TM*L	1,1-DCE	0.1505	0.1487	1.2	TM*L	6.1	
19	TM	t-Butanol	0.0104	0.0102	2.5	TM		
20	TM	Methyl Acetate	0.0506	0.0442	13	TM		
21	TML	Iodomethane	0.1104	0.1143	3.6	TML	12	
22	TML	Acrylonitrile	0.0235	0.0237	0.74	TML	15	
23	TML	2-Methylpentane	0.0000	0.0007	0.00	TML		
24	TML	Methylene chloride	0.0919	0.1067	16	TML	6.0	
25	TM	Carbon disulfide	0.1241	0.1339	7.9	TM		
26	TML	Methyl t-butyl ether (MtBE)	0.3315	0.3319	0.10	TML	5.0	
27	TM	Trans-1,2-DCE	0.1046	0.1074	2.7	TM		
28	TML	3-Methylpentane	0.0636	0.0525	17	TML	9.9	
29	TM	Hexane	0.0000	0.0009	0.00	TM		
30	TM	Diisopropyl Ether	0.2118	0.2235	5.5	TM		
31	TM**	1,1-DCA	0.1740	0.1677	3.6	TM**		
32	TM	Ethyl tert Butyl Ether	0.2819	0.2742	2.7	TM		
33	TML	Methylcyclopentane	0.0124	0.0089	28	TML	39	*NT
34	TM	MEK (2-Butanone)	0.0324	0.0309	4.8	TM		
35	TML	Cis-1,2-DCE	0.1200	0.1179	1.8	TML	6.2	
36	TM	2,2-Dichloropropane	0.2277	0.2077	8.8	TM		
37	TM*	Chloroform	0.2428	0.2412	0.68	TM*		
38	TML	Bromochloromethane	0.1009	0.0969	4.0	TML	4.8	
39	TML	1,1,1-TCA	0.2680	0.2655	0.92	TML	4.6	
40	TML	Cyclohexane	0.0680	0.0769	13	TML	4.6	
		Average			6.2			

VOLATILE ORGANIC ANALYSIS BY
EPA METHOD 8260B

Form 7

Second Source Calibration

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

SDG No:
Date Analyzed: 11/11/2021
Instrument: Max
Cal. Date: 11/11/2021
Data File: 1111M32.D

		Compound	MEAN	CCRF	%D		%Drift
41	TM	1,1-Dichloropropene	0.1416	0.1426	0.71	TM	
42	TM	2,2,4-Trimethylpentane	0.1982	0.1810	8.6	TM	
43	TM	Carbon Tetrachloride	0.2554	0.2555	0.04	TM	
44	TM	Tert Amyl Methyl Ether	0.2880	0.2625	8.9	TM	
45	TM	1,2-DCA	0.2342	0.2206	5.8	TM	
46	TM	Benzene	0.4057	0.4104	1.2	TM	
47	TM	TCE	0.1300	0.1238	4.8	TM	
48	TM	2-Pentanone	0.0533	0.0523	1.9	TM	
49	TM*	1,2-Dichloropropane	0.0484	0.0431	11	TM*	
50	TM	Bromodichloromethane	0.1904	0.1943	2.0	TM	
51	TM	Methyl Cyclohexane	0.1466	0.1445	1.4	TM	
52	TM	Dibromomethane	0.0784	0.0719	8.3	TM	
53	TM	MIBK (methyl isobutyl ketone)	0.0662	0.0660	0.24	TM	
54	TML	1-Bromo-2-chloroethane	0.0252	0.0267	6.1	TML	3.1
55	TML	2-Chloroethyl vinyl ether	0.0000	0.0000	0.00	TML	
56	TM	Cis-1,3-Dichloropropene	0.1768	0.1766	0.15	TM	
57	TM*	Toluene	0.5012	0.4626	7.7	TM*	
58	TM	Trans-1,3-Dichloropropene	0.1693	0.1696	0.18	TM	
59	TM	1,1,2-TCA	0.0736	0.0636	14	TM	
60	TM	2-Hexanone	0.0431	0.0421	2.4	TM	
61	TM	1,2-EDB	0.1196	0.1285	7.4	TM	
62	TML	Tetrachloroethene	0.1324	0.1129	15	TML	1.5
63	TM	1-Chlorohexane	0.0977	0.0837	14	TM	
64	TM	1,1,1,2-Tetrachloroethane	0.2003	0.1920	4.1	TM	
65	TM	m&p-Xylene	0.2709	0.2696	0.46	TM	
66	TM	o-Xylene	0.2622	0.2720	3.7	TM	
67	TM	Styrene	0.4145	0.4416	6.5	TM	
68	TML	1,3-Dichloropropane	0.1649	0.1623	1.6	TML	8.6
69	TM	Dibromochloromethane	0.1925	0.1812	5.9	TM	
70	TM**	Chlorobenzene	0.4034	0.4083	1.2	TM**	
71	TM*	Ethylbenzene	0.6265	0.6531	4.3	TM*	
72	TM**	Bromoform	0.1503	0.1462	2.7	TM**	
73	TM	Isopropylbenzene	1.066	1.106	3.8	TM	
74	TM**	1,1,2,2-Tetrachloroethane	0.1775	0.1527	14	TM**	
75	TML	1,2,3-Trichloropropane	0.1011	0.0913	9.6	TML	0.10
76	TML	t-1,4-Dichloro-2-Butene	0.0414	0.0450	8.5	TML	5.9
77	TM	Bromobenzene	0.3809	0.3697	3.0	TM	
78	TM	n-Propylbenzene	1.042	1.084	4.0	TM	
79	TM	4-Ethyltoluene	1.021	1.040	1.9	TM	
80	TM	2-Chlorotoluene	0.8206	0.8619	5.0	TM	
		Average			5.1		

VOLATILE ORGANIC ANALYSIS BY
EPA METHOD 8260B

Form 7

Second Source Calibration

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

SDG No:
Date Analyzed: 11/11/2021
Instrument: Max
Cal. Date: 11/11/2021
Data File: 1111M32.D

		Compound	MEAN	CCRF	%D		%Drift
81	TM	1,3,5-Trimethylbenzene	0.9005	0.9748	8.2	TM	
82	TM	4-Chlorotoluene	0.8292	0.8600	3.7	TM	
83	TM	Tert-Butylbenzene	0.5251	0.5461	4.0	TM	
84	TM	1,2,4-Trimethylbenzene	0.8840	0.9721	10.0	TM	
85	TM	Sec-Butylbenzene	0.9755	1.047	7.3	TM	
86	TML	p-Isopropyltoluene	0.9027	0.9877	9.4	TML	3.9
87	TML	Benzyl Chloride	0.2431	0.1833	25	TML	17
88	TM	1,3-DCB	0.6521	0.6753	3.6	TM	
89	TM	1,4-DCB	0.6758	0.6211	8.1	TM	
90	TML	n-Butylbenzene	0.5559	0.5713	2.8	TML	10
91	TM	1,2-DCB	0.6054	0.6104	0.83	TM	
92	TML	Hexachloroethane	0.1637	0.1716	4.9	TML	2.1
93	TML	1,2-Dibromo-3-chloropropane	0.0435	0.0410	5.7	TML	15
94	TML	1,2,4-Trichlorobenzene	0.1844	0.1850	0.36	TML	19
95	TML	Hexachlorobutadiene	0.2201	0.2343	6.5	TML	12
96	TML	Naphthalene	0.3406	0.3295	3.3	TML	16
97	TML	1,2,3-Trichlorobenzene	0.2270	0.2316	2.1	TML	19
98							
99							
100							
101							
102							
103							
104							
105							
106							
107							
108							
109							
110							
111							
112							
113							
114							
115							
116							
117							
118							
119							
120							
		Average			6.2		

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211111\1111M32.D Vial: 12
Acq On : 11 Nov 21 23:22 Operator: LP,DG,CH
Sample : (SS) 10ug/L VOC STD 11/11/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Nov 12 9:40 2021 Quant Results File: M1111W.RES

Quant Method : M:\MAX\DATA\211111\M1111W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Nov 12 09:40:33 2021
Response via : Initial Calibration
DataAcq Meth : M8260

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene (IS)	6.37	96	431765	25.00	ppb		0.00
65) Chlorobenzene-D5 (IS)	9.52	117	384615	25.00	ppb		0.00
80) 1,4-Dichlorobenzene-D (IS)	11.84	152	244603	25.00	ppb		0.00
System Monitoring Compounds							
41) Dibromofluoromethane(S)	5.59	111	134844	25.06	ppb		0.00
Spiked Amount 25.000			Recovery = 100.224%				
46) 1,2-DCA-D4(S)	5.98	65	93416	24.84	ppb		0.00
Spiked Amount 25.000			Recovery = 99.360%				
66) Toluene-D8(S)	8.08	98	448626	24.55	ppb		0.00
Spiked Amount 25.000			Recovery = 98.192%				
74) 4-Bromofluorobenzene(S)	10.70	95	178779	25.65	ppb		0.00
Spiked Amount 25.000			Recovery = 102.608%				
Target Compounds							Qvalue
3) Dichlorodifluoromethane	1.19	85	21136	9.13	ppb		96
4) Freon 114	1.30	85	15580	9.90	ppb		93
5) Chloromethane	1.34	50	13106	9.69	ppb		100
6) Vinyl chloride	1.43	62	15688	9.80	ppb	#	79
8) Bromomethane	1.69	94	16405	9.21	ppb		95
9) Chloroethane	1.79	64	9130	8.45	ppb		93
10) Dichlorofluoromethane	1.99	67	35849	10.00	ppb		100
11) Trichlorofluoromethane	2.02	101	43130	9.40	ppb		91
13) Acrolein	2.46	56	21752	107.99	ppb		93
14) Acetone	2.63	43	24427	47.00	ppb		90
15) Freon-113	2.55	151	19102	9.45	ppb		93
16) Acetonitrile	2.95	41	15170	116.76	ppb		89
18) 1,2-Dichlorotrifluoroethan	1.99	67	35849	10.00	ppb		100
19) 1,1-DCE	2.53	61	25684	9.39	ppb		91
20) t-Butanol	3.36	59	21955	121.85	ppb		96
21) Methyl Acetate	3.02	43	7631	8.73	ppb		95
22) Iodomethane	2.68	142	19748	8.75	ppb		96
23) Acrylonitrile	3.46	53	4092	8.51	ppb	#	83
25) Methylene chloride	3.12	84	18427	10.60	ppb		98
26) Carbon disulfide	2.74	76	23120	10.79	ppb		98
27) Methyl t-butyl ether (MtBE	3.50	73	57317	9.50	ppb		94
28) Trans-1,2-DCE	3.46	96	18553	10.27	ppb		87
29) 3-Methylpentane	3.49	57	9070	9.01	ppb	#	93
31) Diisopropyl Ether	4.28	45	38601	10.55	ppb		93
32) 1,1-DCA	4.10	63	28967	9.64	ppb		96
34) Ethyl tert Butyl Ether	4.80	59	47351	9.73	ppb		98
35) Methylcyclopentane	4.80	56	1544	6.06	ppb		100

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

Data File : M:\MAX\DATA\211111\1111M32.D Vial: 12
Acq On : 11 Nov 21 23:22 Operator: LP,DG,CH
Sample : (SS) 10ug/L VOC STD 11/11/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Nov 12 9:40 2021 Quant Results File: M1111W.RES

Quant Method : M:\MAX\DATA\211111\M1111W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Nov 12 09:40:33 2021
Response via : Initial Calibration
DataAcq Meth : M8260

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
36)	MEK (2-Butanone)	5.02	43	26648	47.59	ppb		97
37)	Cis-1,2-DCE	4.95	96	20360	9.38	ppb		85
38)	2,2-Dichloropropane	4.93	77	35873	9.12	ppb	#	91
39)	Chloroform	5.39	83	41649	9.93	ppb		84
40)	Bromochloromethane	5.26	130	16729	9.52	ppb		95
42)	1,1,1-TCA	5.57	97	45855	9.54	ppb		97
43)	Cyclohexane	5.62	41	13289	10.46	ppb		75
44)	1,1-Dichloropropene	5.78	75	24628	10.07	ppb		91
45)	2,2,4-Trimethylpentane	6.15	57	31267	9.14	ppb		94
47)	Carbon Tetrachloride	5.77	117	44121	10.00	ppb		93
48)	Tert Amyl Methyl Ether	6.21	73	45330	9.11	ppb	#	91
49)	1,2-DCA	6.07	62	38093	9.42	ppb		98
50)	Benzene	6.03	78	70881	10.12	ppb		91
51)	TCE	6.78	95	21374	9.52	ppb		96
52)	2-Pentanone	7.03	43	112882	122.63	ppb		95
53)	1,2-Dichloropropane	7.03	63	7437	8.89	ppb	#	93
54)	Bromodichloromethane	7.34	83	33556	10.20	ppb		94
55)	Methyl Cyclohexane	6.97	83	24953	9.86	ppb		90
56)	Dibromomethane	7.15	93	12422	9.17	ppb		91
57)	MIBK (methyl isobutyl ket	8.00	43	57036	49.88	ppb		96
58)	1-Bromo-2-chloroethane	7.65	144	4609	9.69	ppb		84
60)	Cis-1,3-Dichloropropene	7.82	75	30493	9.99	ppb		92
61)	Toluene	8.14	91	79886	9.23	ppb		90
62)	Trans-1,3-Dichloropropene	8.40	75	29292	10.02	ppb		89
63)	1,1,2-TCA	8.58	83	10984	8.64	ppb		94
64)	2-Hexanone	8.85	43	36325	48.78	ppb		94
67)	1,2-EDB	9.06	107	19771	10.74	ppb		99
68)	Tetrachloroethene	8.69	164	17368	9.85	ppb		94
69)	1-Chlorohexane	9.55	91	12878	8.57	ppb		89
70)	1,1,1,2-Tetrachloroethane	9.64	131	29546	9.59	ppb		91
71)	m&p-Xylene	9.79	106	82963	19.91	ppb		93
72)	o-Xylene	10.19	106	41841	10.37	ppb		90
73)	Styrene	10.20	104	67935	10.65	ppb		98
75)	1,3-Dichloropropane	8.74	76	24967	9.14	ppb		92
76)	Dibromochloromethane	8.96	129	27871	9.41	ppb		84
77)	Chlorobenzene	9.55	112	62809	10.12	ppb		94
78)	Ethylbenzene	9.68	91	100481	10.43	ppb		97
79)	Bromoform	10.37	173	22499	9.73	ppb		88
81)	Isopropylbenzene	10.56	105	108248	10.38	ppb		100
82)	1,1,2,2-Tetrachloroethane	10.87	83	14938	8.60	ppb	#	96
83)	1,2,3-Trichloropropane	10.90	110	8936	10.01	ppb	#	60
84)	t-1,4-Dichloro-2-Butene	10.92	53	4399	10.59	ppb	#	61

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

Data File : M:\MAX\DATA\211111\1111M32.D Vial: 12
Acq On : 11 Nov 21 23:22 Operator: LP,DG,CH
Sample : (SS) 10ug/L VOC STD 11/11/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Nov 12 9:40 2021 Quant Results File: M1111W.RES

Quant Method : M:\MAX\DATA\211111\M1111W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Nov 12 09:40:33 2021
Response via : Initial Calibration
DataAcq Meth : M8260

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
85)	Bromobenzene	10.84	156	36168	9.70	ppb	88
86)	n-Propylbenzene	10.97	91	106013	10.40	ppb	99
87)	4-Ethyltoluene	11.08	105	101743	10.19	ppb	96
88)	2-Chlorotoluene	11.04	91	84332	10.50	ppb	94
89)	1,3,5-Trimethylbenzene	11.14	105	95376	10.82	ppb	98
90)	4-Chlorotoluene	11.15	91	84147	10.37	ppb	97
91)	Tert-Butylbenzene	11.46	119	53432	10.40	ppb	96
92)	1,2,4-Trimethylbenzene	11.51	105	95114	11.00	ppb	95
93)	Sec-Butylbenzene	11.68	105	102426	10.73	ppb	94
94)	p-Isopropyltoluene	11.83	119	96638	9.61	ppb	95
95)	Benzyl Chloride	12.01	91	17937	8.29	ppb	98
96)	1,3-DCB	11.78	146	66072	10.36	ppb	98
97)	1,4-DCB	11.87	146	60765	9.19	ppb	98
98)	n-Butylbenzene	12.24	91	55897	8.96	ppb	96
99)	1,2-DCB	12.24	146	59723	10.08	ppb	94
100)	Hexachloroethane	12.48	117	16794	9.79	ppb	87
101)	1,2-Dibromo-3-chloropropan	13.02	75	4014	8.53	ppb	87
102)	1,2,4-Trichlorobenzene	13.83	180	18104	8.13	ppb	91
103)	Hexachlorobutadiene	14.01	225	22925	8.77	ppb	97
104)	Naphthalene	14.08	128	32234	8.40	ppb	94
105)	1,2,3-Trichlorobenzene	14.32	180	22662	8.14	ppb	97

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

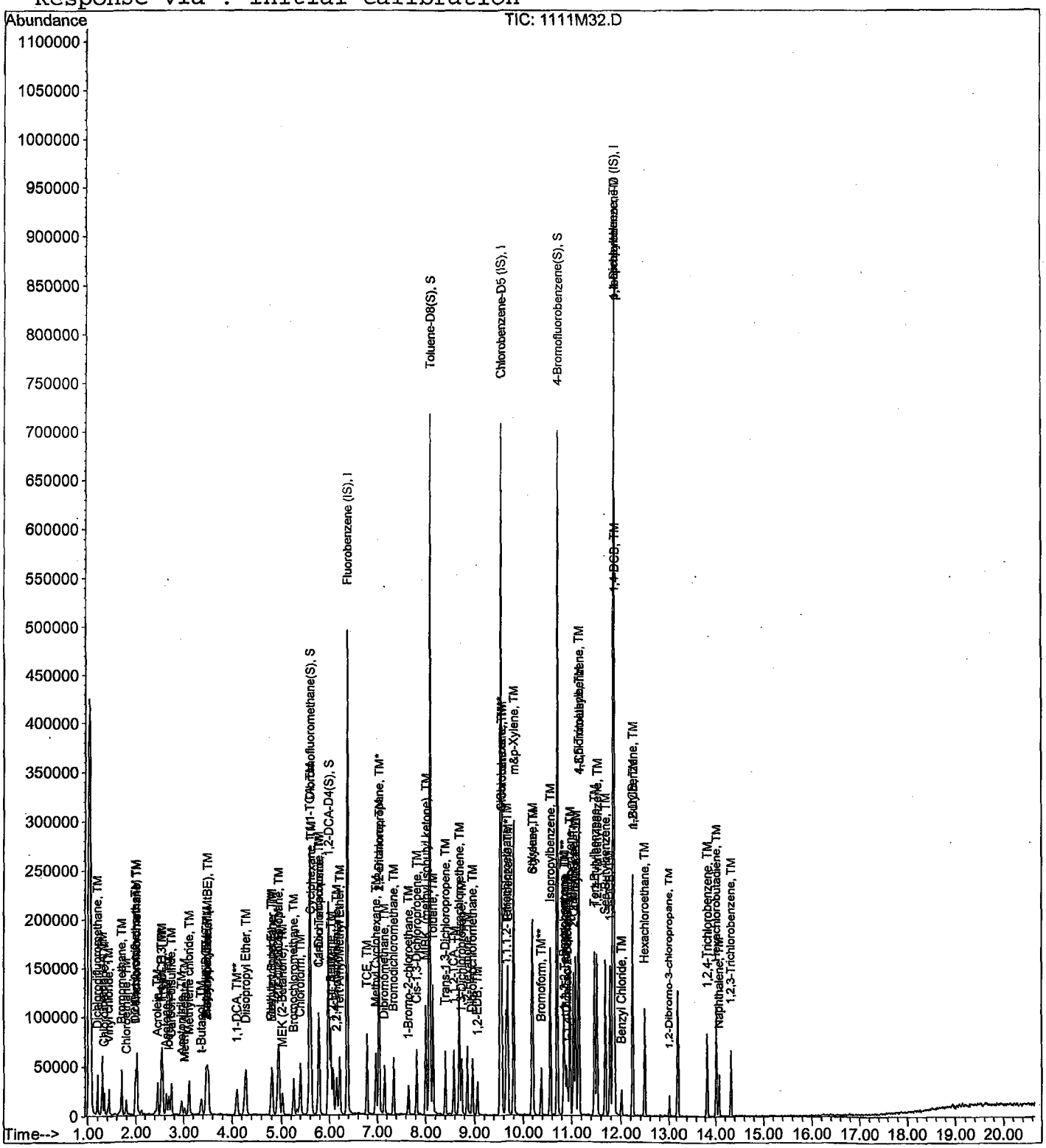
Data File : M:\MAX\DATA\211111\1111M32.D
Acq On : 11 Nov 21 23:22
Sample : (SS) 10ug/L VOC STD 11/11/21
Misc : IS&S 8/4/21

Vial: 12
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Nov 12 9:40 2021

Quant Results File: M1111W.RES

Method : M:\MAX\DATA\211111\M1111W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Nov 12 09:40:33 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: 11/15/2021
Instrument: Max
Initial Cal. Date: 11/11/2021
Data File: 1115M03.D

		Compound	MEAN	CCRF	%D		%Drift
1	I	Fluorobenzene (IS)	ISTD			I	
2	TM	Chlorotrifluoroethene	0.0000	0.0110	0.00	TM	
3	TM	Dichlorodifluoromethane	0.1340	0.1099	18	TM	
4	TM	Freon 114	0.0911	0.0980	7.6	TM	
5	TM**L	Chloromethane	0.0872	0.0779	11	TM**L	0.52
6	TM*	Vinyl chloride	0.0927	0.0842	9.1	TM*	
7	TM	2-Chloro-1,1,1-trifluoroethane	0.0000	0.0021	0.00	TM	
8	TM	Bromomethane	0.1031	0.0940	8.9	TM	
9	TML	Chloroethane	0.0887	0.0591	33	TML	4.3
10	TM	Dichlorofluoromethane	0.2076	0.2205	6.2	TM	
11	TM	Trichlorofluoromethane	0.2656	0.2603	2.0	TM	
12	TM	2,2-Dichloro-1,1,1-trifluoroethane	0.0000	0.0259	0.00	TM	
13	TM	Acrolein	0.0117	0.0110	5.8	TM	
14	TM	Acetone	0.0301	0.0266	12	TM	
15	TM	Freon-113	0.1170	0.1162	0.63	TM	
16	TM	Acetonitrile	0.0075	0.0073	3.5	TM	
17	TML	2-propanol	0.0000	0.0003	0.00	TML	
18	TM	1,2-Dichlorotrifluoroethane	0.2076	0.2205	6.2	TM	
19	TM*L	1,1-DCE	0.1505	0.1444	4.0	TM*L	8.8
20	TM	t-Butanol	0.0104	0.0089	15	TM	
21	TM	Methyl Acetate	0.0506	0.0481	4.9	TM	
22	TML	Iodomethane	0.1104	0.1191	7.9	TML	9.3
23	TML	Acrylonitrile	0.0235	0.0295	25	TML	6.4
24	TML	Methylene chloride	0.0919	0.1042	13	TML	3.6
25	TM	Carbon disulfide	0.1241	0.1196	3.6	TM	
26	TML	Methyl t-butyl ether (MtBE)	0.3315	0.3642	9.9	TML	4.8
27	TM	Trans-1,2-DCE	0.1046	0.1060	1.4	TM	
28	TML	3-Methylpentane	0.0636	0.0666	4.6	TML	16
29	TM	Hexane	0.0000	0.0001	0.00	TM	
30	TM	Diisopropyl Ether	0.2118	0.2288	8.0	TM	
31	TM**	1,1-DCA	0.1740	0.1715	1.4	TM**	
32	TM	Ethyl tert Butyl Ether	0.2819	0.3216	14	TM	
33	TML	Methylcyclopentane	0.0124	0.0146	18	TML	15
34	TM	MEK (2-Butanone)	0.0324	0.0327	1.0	TM	
35	TML	Cis-1,2-DCE	0.1200	0.1253	4.4	TML	0.04
36	TM	2,2-Dichloropropane	0.2277	0.2509	10	TM	
37	TM*	Chloroform	0.2428	0.2505	3.2	TM*	
38	TML	Bromochloromethane	0.1009	0.1048	3.9	TML	3.5
39	S	Dibromofluoromethane(S)	0.3116	0.3086	0.98	S	
40	TML	1,1,1-TCA	0.2680	0.2760	3.0	TML	0.60
		Average			7.2		

VOLATILE ORGANIC ANALYSIS BY
EPA METHOD 8260B

Form 7

Continuing Calibration

Lab Name: APPL, Inc. SDG No:
Case No: Date Analyzed: 11/15/2021
Matrix: Water Instrument: Max
Cal. Date: 11/11/2021
Data File: 1115M03.D

		Compound	MEAN	CCRF	%D		%Drift
41	TML	Cyclohexane	0.0680	0.0703	3.5	TML	4.5
42	TM	1,1-Dichloropropene	0.1416	0.1489	5.1	TM	
43	TM	2,2,4-Trimethylpentane	0.1982	0.1998	0.85	TM	
44	S	1,2-DCA-D4(S)	0.2178	0.2148	1.3	S	
45	TM	Carbon Tetrachloride	0.2554	0.2696	5.6	TM	
46	TM	Tert Amyl Methyl Ether	0.2880	0.3128	8.6	TM	
47	TM	1,2-DCA	0.2342	0.2354	0.52	TM	
48	TM	Benzene	0.4057	0.4211	3.8	TM	
49	TM	TCE	0.1300	0.1318	1.4	TM	
50	TM	2-Pentanone	0.0533	0.0547	2.7	TM	
51	TM*	1,2-Dichloropropane	0.0484	0.0431	11	TM*	
52	TM	Bromodichloromethane	0.1904	0.2021	6.2	TM	
53	TM	Methyl Cyclohexane	0.1466	0.1551	5.8	TM	
54	TM	Dibromomethane	0.0784	0.0810	3.3	TM	
55	TM	MIBK (methyl isobutyl ketone)	0.0662	0.0650	1.9	TM	
56	TML	1-Bromo-2-chloroethane	0.0252	0.0250	0.56	TML	9.3
57	TML	2-Chloroethyl vinyl ether	0.0000	0.0000	0.00	TML	
58	TM	Cis-1,3-Dichloropropene	0.1768	0.1766	0.11	TM	
59	TM*	Toluene	0.5012	0.5178	3.3	TM*	
60	TM	Trans-1,3-Dichloropropene	0.1693	0.1926	14	TM	
61	TM	1,1,2-TCA	0.0736	0.0645	12	TM	
62	TM	2-Hexanone	0.0431	0.0461	7.0	TM	
63	I	Chlorobenzene-D5 (IS)	ISTD			I	
64	S	Toluene-D8(S)	1.188	1.160	2.3	S	
65	TM	1,2-EDB	0.1196	0.1274	6.5	TM	
66	TML	Tetrachloroethene	0.1324	0.1148	13	TML	0.25
67	TM	1-Chlorohexane	0.0977	0.1014	3.9	TM	
68	TM	1,1,1,2-Tetrachloroethane	0.2003	0.1931	3.6	TM	
69	TM	m&p-Xylene	0.2709	0.2779	2.6	TM	
70	TM	o-Xylene	0.2622	0.2776	5.9	TM	
71	TM	Styrene	0.4145	0.4480	8.1	TM	
72	S	4-Bromofluorobenzene(S)	0.4530	0.4423	2.4	S	
73	TML	1,3-Dichloropropane	0.1649	0.1887	14	TML	6.7
74	TM	Dibromochloromethane	0.1925	0.2020	4.9	TM	
75	TM**	Chlorobenzene	0.4034	0.4229	4.8	TM**	
76	TM*	Ethylbenzene	0.6265	0.6692	6.8	TM*	
77	TM**	Bromoform	0.1503	0.1647	9.6	TM**	
78	I	1,4-Dichlorobenzene-D (IS)	ISTD			I	
79	TM	Isopropylbenzene	1.066	1.135	6.5	TM	
80	TM**	1,1,2,2-Tetrachloroethane	0.1775	0.1830	3.1	TM**	
		Average			5.2		

VOLATILE ORGANIC ANALYSIS BY
EPA METHOD 8260B

Form 7

Continuing Calibration

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

SDG No:
Date Analyzed: 11/15/2021
Instrument: Max
Cal. Date: 11/11/2021
Data File: 1115M03.D

		Compound	MEAN	CCRF	%D		%Drift
81	TML	1,2,3-Trichloropropane	0.1011	0.1014	0.30	TML	12
82	TML	t-1,4-Dichloro-2-Butene	0.0414	0.0468	13	TML	10
83	TM	Bromobenzene	0.3809	0.3686	3.2	TM	
84	TM	n-Propylbenzene	1.042	1.100	5.5	TM	
85	TM	4-Ethyltoluene	1.021	1.052	3.0	TM	
86	TM	2-Chlorotoluene	0.8206	0.8824	7.5	TM	
87	TM	1,3,5-Trimethylbenzene	0.9005	0.9955	11	TM	
88	TM	4-Chlorotoluene	0.8292	0.8887	7.2	TM	
89	TM	Tert-Butylbenzene	0.5251	0.5985	14	TM	
90	TM	1,2,4-Trimethylbenzene	0.8840	0.9581	8.4	TM	
91	TM	Sec-Butylbenzene	0.9755	1.085	11	TM	
92	TML	p-Isopropyltoluene	0.9027	0.9894	9.6	TML	3.8
93	TML	Benzyl Chloride	0.2431	0.2793	15	TML	20
94	TM	1,3-DCB	0.6521	0.6475	0.71	TM	
95	TM	1,4-DCB	0.6758	0.6194	8.3	TM	
96	TML	n-Butylbenzene	0.5559	0.5717	2.8	TML	10
97	TM	1,2-DCB	0.6054	0.6446	6.5	TM	
98	TML	Hexachloroethane	0.1637	0.1929	18	TML	9.3
99	TML	1,2-Dibromo-3-chloropropane	0.0435	0.0481	11	TML	1.8
100	TML	1,2,4-Trichlorobenzene	0.1844	0.1886	2.3	TML	18
101	TML	Hexachlorobutadiene	0.2201	0.2443	11	TML	9.1
102	TML	Naphthalene	0.3406	0.3362	1.3	TML	15
103	TML	1,2,3-Trichlorobenzene	0.2270	0.2300	1.3	TML	19
104							
105							
106							
107							
108							
109							
110							
111							
112							
113							
114							
115							
116							
117							
118							
119							
120							
		Average			7.5		

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211111\1115M03.D Vial: 3
Acq On : 15 Nov 21 9:28 Operator: LP,DG,CH
Sample : 211115A CCV/LCS 10ug/L Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Nov 15 10:39 2021 Quant Results File: M1111W.RES

Quant Method : M:\MAX\DATA\211111\M1111W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Nov 12 09:40:33 2021
Response via : Initial Calibration
DataAcq Meth : M8260

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene (IS)	6.38	96	414024	25.00	ppb		0.00
65) Chlorobenzene-D5 (IS)	9.53	117	371836	25.00	ppb		0.00
80) 1,4-Dichlorobenzene-D (IS)	11.85	152	236811	25.00	ppb		0.00
System Monitoring Compounds							
41) Dibromofluoromethane(S)	5.60	111	127751	24.76	ppb		0.00
Spiked Amount 25.000			Recovery =	99.024%			
46) 1,2-DCA-D4(S)	5.98	65	88952	24.67	ppb		0.00
Spiked Amount 25.000			Recovery =	98.668%			
66) Toluene-D8(S)	8.08	98	431362	24.41	ppb		0.00
Spiked Amount 25.000			Recovery =	97.656%			
74) 4-Bromofluorobenzene(S)	10.71	95	164453	24.41	ppb		0.00
Spiked Amount 25.000			Recovery =	97.628%			
Target Compounds							Qvalue
3) Dichlorodifluoromethane	1.20	85	18200	8.20	ppb		100
4) Freon 114	1.30	85	16232	10.76	ppb		98
5) Chloromethane	1.34	50	12901	9.95	ppb		94
6) Vinyl chloride	1.43	62	13948	9.09	ppb	#	78
8) Bromomethane	1.70	94	15565	9.11	ppb		94
9) Chloroethane	1.79	64	9784	9.57	ppb		98
10) Dichlorofluoromethane	1.99	67	36521	10.62	ppb		99
11) Trichlorofluoromethane	2.03	101	43103	9.80	ppb		97
13) Acrolein	2.46	56	22739	117.73	ppb	#	81
14) Acetone	2.64	43	22016	44.18	ppb		99
15) Freon-113	2.55	151	19252	9.94	ppb	#	87
16) Acetonitrile	2.95	41	15024	120.59	ppb	#	90
18) 1,2-Dichlorotrifluoroethan	1.99	67	36521	10.62	ppb		100
19) 1,1-DCE	2.54	61	23911	9.12	ppb		93
20) t-Butanol	3.38	59	18409	106.55	ppb	#	90
21) Methyl Acetate	3.03	43	7974	9.51	ppb		95
22) Iodomethane	2.69	142	19724	9.07	ppb		90
23) Acrylonitrile	3.48	53	4886	10.64	ppb	#	76
25) Methylene chloride	3.12	84	17264	10.36	ppb		92
26) Carbon disulfide	2.74	76	19800	9.64	ppb	#	90
27) Methyl t-butyl ether (MtBE	3.50	73	60319	10.48	ppb		100
28) Trans-1,2-DCE	3.47	96	17555	10.14	ppb		99
29) 3-Methylpentane	3.50	57	11023	11.58	ppb		98
31) Diisopropyl Ether	4.29	45	37888	10.80	ppb		97
32) 1,1-DCA	4.10	63	28402	9.86	ppb		99
34) Ethyl tert Butyl Ether	4.81	59	53252	11.41	ppb		92
35) Methylcyclopentane	4.81	56	2414	11.50	ppb		100

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

Data File : M:\MAX\DATA\211111\1115M03.D Vial: 3
Acq On : 15 Nov 21 9:28 Operator: LP,DG,CH
Sample : 211115A CCV/LCS 10ug/L Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Nov 15 10:39 2021 Quant Results File: M1111W.RES

Quant Method : M:\MAX\DATA\211111\M1111W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Nov 12 09:40:33 2021
Response via : Initial Calibration
DataAcq Meth : M8260

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
36)	MEK (2-Butanone)	5.03	43	27117	50.50	ppb		96
37)	Cis-1,2-DCE	4.95	96	20751	10.00	ppb		95
38)	2,2-Dichloropropane	4.94	77	41547	11.02	ppb		99
39)	Chloroform	5.40	83	41484	10.32	ppb		90
40)	Bromochloromethane	5.26	130	17362	10.35	ppb		96
42)	1,1,1-TCA	5.58	97	45706	9.94	ppb		92
43)	Cyclohexane	5.63	41	11648	9.55	ppb		85
44)	1,1-Dichloropropene	5.80	75	24656	10.51	ppb		88
45)	2,2,4-Trimethylpentane	6.15	57	33094	10.08	ppb	#	81
47)	Carbon Tetrachloride	5.78	117	44649	10.56	ppb		97
48)	Tert Amyl Methyl Ether	6.22	73	51804	10.86	ppb		95
49)	1,2-DCA	6.08	62	38990	10.05	ppb		97
50)	Benzene	6.03	78	69735	10.38	ppb		94
51)	TCE	6.79	95	21830	10.14	ppb		97
52)	2-Pentanone	7.04	43	113303	128.36	ppb		97
53)	1,2-Dichloropropane	7.03	63	7139	8.90	ppb		95
54)	Bromodichloromethane	7.35	83	33476	10.62	ppb		94
55)	Methyl Cyclohexane	6.98	83	25689	10.58	ppb		88
56)	Dibromomethane	7.16	93	13420	10.33	ppb		92
57)	MIBK (methyl isobutyl ket	8.01	43	53795	49.06	ppb		95
58)	1-Bromo-2-chloroethane	7.65	144	4144	9.07	ppb		99
60)	Cis-1,3-Dichloropropene	7.82	75	29252	9.99	ppb		97
61)	Toluene	8.15	91	85754	10.33	ppb		100
62)	Trans-1,3-Dichloropropene	8.40	75	31893	11.38	ppb		93
63)	1,1,2-TCA	8.58	83	10676	8.75	ppb	#	79
64)	2-Hexanone	8.86	43	38195	53.49	ppb		99
67)	1,2-EDB	9.06	107	18944	10.65	ppb		95
68)	Tetrachloroethene	8.70	164	17072	10.03	ppb		95
69)	1-Chlorohexane	9.56	91	15085	10.39	ppb		98
70)	1,1,1,2-Tetrachloroethane	9.65	131	28726	9.64	ppb		95
71)	m&p-Xylene	9.80	106	82678	20.52	ppb		97
72)	o-Xylene	10.19	106	41283	10.59	ppb		96
73)	Styrene	10.21	104	66633	10.81	ppb		97
75)	1,3-Dichloropropane	8.74	76	28063	10.67	ppb		94
76)	Dibromochloromethane	8.97	129	30040	10.49	ppb		83
77)	Chlorobenzene	9.56	112	62895	10.48	ppb		95
78)	Ethylbenzene	9.68	91	99528	10.68	ppb		91
79)	Bromoform	10.38	173	24498	10.96	ppb		92
81)	Isopropylbenzene	10.56	105	107531	10.65	ppb		97
82)	1,1,2,2-Tetrachloroethane	10.87	83	17332	10.31	ppb	#	90
83)	1,2,3-Trichloropropane	10.91	110	9604	11.15	ppb	#	83
84)	t-1,4-Dichloro-2-Butene	10.93	53	4431	11.01	ppb		95

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

Data File : M:\MAX\DATA\211111\1115M03.D Vial: 3
Acq On : 15 Nov 21 9:28 Operator: LP,DG,CH
Sample : 211115A CCV/LCS 10ug/L Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Nov 15 10:39 2021 Quant Results File: M1111W.RES

Quant Method : M:\MAX\DATA\211111\M1111W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Nov 12 09:40:33 2021
Response via : Initial Calibration
DataAcq Meth : M8260

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
85)	Bromobenzene	10.84	156	34911	9.68 ppb	91
86)	n-Propylbenzene	10.97	91	104188	10.55 ppb	97
87)	4-Ethyltoluene	11.09	105	99611	10.30 ppb	97
88)	2-Chlorotoluene	11.04	91	83586	10.75 ppb	99
89)	1,3,5-Trimethylbenzene	11.15	105	94299	11.05 ppb	98
90)	4-Chlorotoluene	11.15	91	84184	10.72 ppb	93
91)	Tert-Butylbenzene	11.47	119	56696	11.40 ppb	95
92)	1,2,4-Trimethylbenzene	11.52	105	90757	10.84 ppb	100
93)	Sec-Butylbenzene	11.69	105	102755	11.12 ppb	98
94)	p-Isopropyltoluene	11.84	119	93725	9.62 ppb	96
95)	Benzyl Chloride	12.02	91	26459	11.96 ppb	99
96)	1,3-DCB	11.78	146	61334	9.93 ppb	97
97)	1,4-DCB	11.87	146	58677	9.17 ppb	95
98)	n-Butylbenzene	12.25	91	54156	8.97 ppb	99
99)	1,2-DCB	12.24	146	61062	10.65 ppb	96
100)	Hexachloroethane	12.49	117	18271	10.93 ppb	83
101)	1,2-Dibromo-3-chloropropan	13.02	75	4556	9.82 ppb	93
102)	1,2,4-Trichlorobenzene	13.84	180	17864	8.24 ppb	91
103)	Hexachlorobutadiene	14.02	225	23139	9.09 ppb	96
104)	Naphthalene	14.08	128	31845	8.50 ppb	96
105)	1,2,3-Trichlorobenzene	14.32	180	21787	8.11 ppb	84

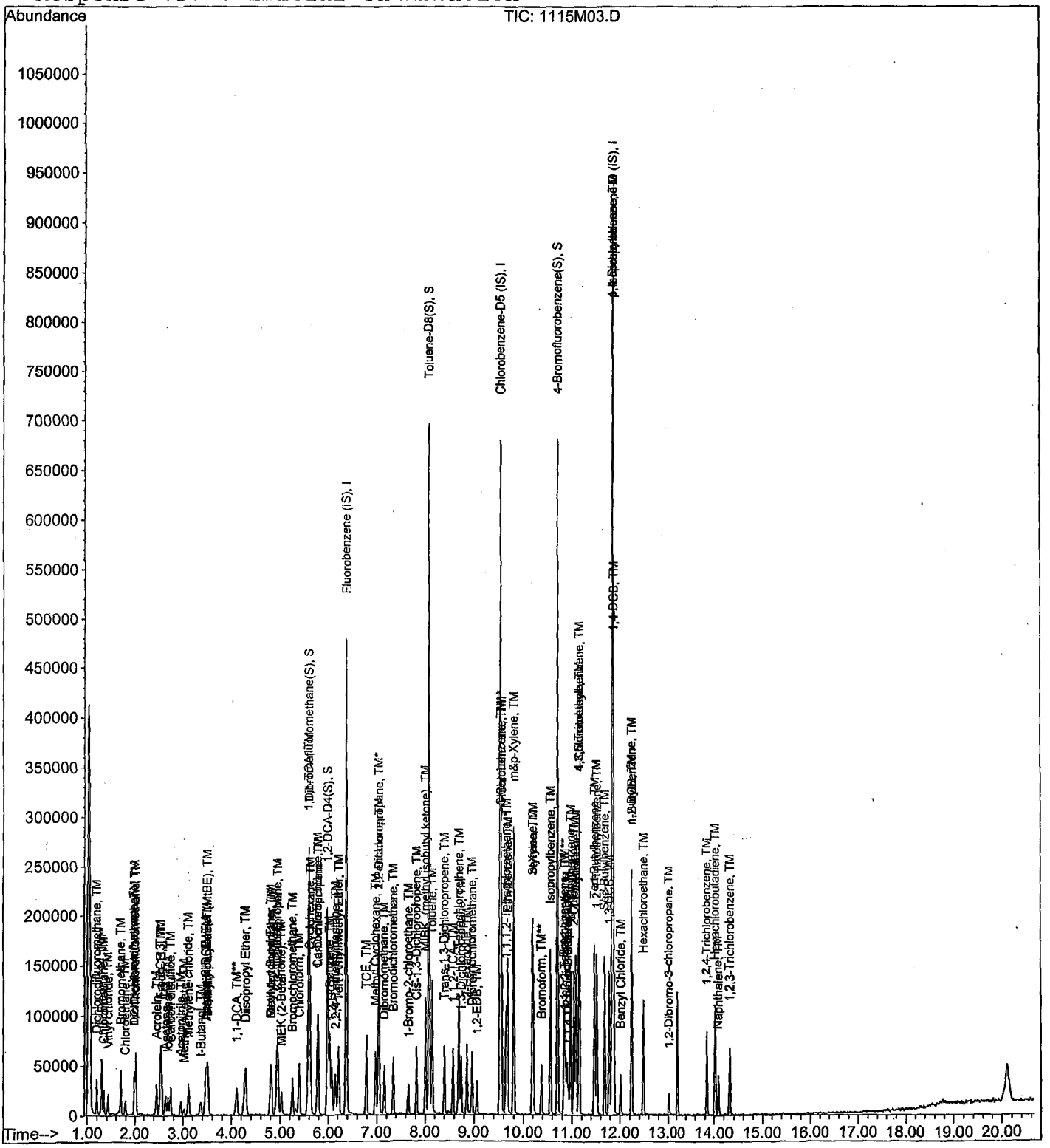
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\MAX\DATA\211111\1115M03.D Vial: 3
Acq On : 15 Nov 21 9:28 Operator: LP,DG,CH
Sample : 211115A CCV/LCS 10ug/L Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Nov 15 10:39 2021 Quant Results File: M1111W.RES

Method : M:\MAX\DATA\211111\M1111W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Nov 12 09:40:33 2021
Response via : Initial Calibration



VOLATILE ORGANIC ANALYSIS BY
EPA METHOD 8260B

Form 7

Ending Continuing Calibration

Lab Name: APPL, Inc. SDG No:
Case No: Date Analyzed: 11/15/2021
Matrix: Water Instrument: Max
Initial Cal. Date: 11/11/2021
Data File: 1115M25.D

		Compound	MEAN	CCRF	%D		%Drift
1	I	Fluorobenzene (IS)	ISTD			I	
2	TM	Chlorotrifluoroethene	0.0000	0.0102	0.00	TM	
3	TM	Dichlorodifluoromethane	0.1340	0.1318	1.7	TM	
4	TM	Freon 114	0.0911	0.1008	11	TM	
5	TM**L	Chloromethane	0.0872	0.0762	13	TM**L	2.7
6	TM*	Vinyl chloride	0.0927	0.0870	6.2	TM*	
7	TM	2-Chloro-1,1,1-trifluoroethane	0.0000	0.0027	0.00	TM	
8	TM	Bromomethane	0.1031	0.1041	0.90	TM	
9	TML	Chloroethane	0.0887	0.0619	30	TML	0.72
10	TM	Dichlorofluoromethane	0.2076	0.2418	16	TM	
11	TM	Trichlorofluoromethane	0.2656	0.3030	14	TM	
12	TM	2,2-Dichloro-1,1,1-trifluoroethane	0.0000	0.0263	0.00	TM	
13	TM	Acrolein	0.0117	0.0094	19	TM	
14	TM	Acetone	0.0301	0.0294	2.2	TM	
15	TM	Freon-113	0.1170	0.1363	17	TM	
16	TM	Acetonitrile	0.0075	0.0069	8.8	TM	
17	TML	2-propanol	0.0000	0.0006	0.00	TML	
18	TM	1,2-Dichlorotrifluoroethane	0.2076	0.2418	16	TM	
19	TM*L	1,1-DCE	0.1505	0.1738	16	TM*L	9.7
20	TM	t-Butanol	0.0104	0.0106	1.7	TM	
21	TM	Methyl Acetate	0.0506	0.0511	1.00	TM	
22	TML	Iodomethane	0.1104	0.1136	2.9	TML	13
23	TML	Acrylonitrile	0.0235	0.0304	29	TML	9.6
24	TML	2-Methylpentane	0.0000	0.0002	0.00	TML	
25	TML	Methylene chloride	0.0919	0.1119	22	TML	11
26	TM	Carbon disulfide	0.1241	0.1308	5.4	TM	
27	TML	Methyl t-butyl ether (MtBE)	0.3315	0.3809	15	TML	9.9
28	TM	Trans-1,2-DCE	0.1046	0.1220	17	TM	
29	TML	3-Methylpentane	0.0636	0.0659	3.5	TML	14
30	TM	Hexane	0.0000	0.0001	0.00	TM	
31	TM	Diisopropyl Ether	0.2118	0.2544	20	TM	
32	TM**	1,1-DCA	0.1740	0.1852	6.5	TM**	
33	TM	Ethyl tert Butyl Ether	0.2819	0.3234	15	TM	
34	TML	Methylcyclopentane	0.0124	0.0123	0.87	TML	7.3
35	TM	MEK (2-Butanone)	0.0324	0.0344	6.2	TM	
36	TML	Cis-1,2-DCE	0.1200	0.1280	6.6	TML	2.2
37	TM	2,2-Dichloropropane	0.2277	0.2194	3.7	TM	
38	TM*	Chloroform	0.2428	0.2780	14	TM*	
39	TML	Bromochloromethane	0.1009	0.1053	4.4	TML	3.9
40	S	Dibromofluoromethane(S)	0.3116	0.3248	4.2	S	
		Average			9.0		

VOLATILE ORGANIC ANALYSIS BY
EPA METHOD 8260B

Form 7

Ending Continuing Calibration

Lab Name: APPL, Inc. SDG No:
Case No: Date Analyzed: 11/15/2021
Matrix: Water Instrument: Max
Cal. Date: 11/11/2021
Data File: 1115M25.D

		Compound	MEAN	CCRF	%D		%Drift
41	TML	1,1,1-TCA	0.2680	0.3212	20	TML	16
42	TML	Cyclohexane	0.0680	0.0779	15	TML	5.9
43	TM	1,1-Dichloropropene	0.1416	0.1609	14	TM	
44	TM	2,2,4-Trimethylpentane	0.1982	0.1991	0.49	TM	
45	S	1,2-DCA-D4(S)	0.2178	0.2285	4.9	S	
46	TM	Carbon Tetrachloride	0.2554	0.2928	15	TM	
47	TM	Tert Amyl Methyl Ether	0.2880	0.3215	12	TM	
48	TM	1,2-DCA	0.2342	0.2591	11	TM	
49	TM	Benzene	0.4057	0.4294	5.8	TM	
50	TM	TCE	0.1300	0.1537	18	TM	
51	TM	2-Pentanone	0.0533	0.0558	4.7	TM	
52	TM*	1,2-Dichloropropane	0.0484	0.0456	5.9	TM*	
53	TM	Bromodichloromethane	0.1904	0.2118	11	TM	
54	TM	Methyl Cyclohexane	0.1466	0.1584	8.1	TM	
55	TM	Dibromomethane	0.0784	0.0737	6.0	TM	
56	TM	MIBK (methyl isobutyl ketone)	0.0662	0.0677	2.3	TM	
57	TML	1-Bromo-2-chloroethane	0.0252	0.0288	14	TML	4.7
58	TML	2-Chloroethyl vinyl ether	0.0000	0.0001	0.00	TML	
59	TM	Cis-1,3-Dichloropropene	0.1768	0.1903	7.6	TM	
60	TM*	Toluene	0.5012	0.5154	2.8	TM*	
61	TM	Trans-1,3-Dichloropropene	0.1693	0.1822	7.6	TM	
62	TM	1,1,2-TCA	0.0736	0.0741	0.59	TM	
63	TM	2-Hexanone	0.0431	0.0462	7.2	TM	
64	I	Chlorobenzene-D5 (IS)	ISTD			I	
65	S	Toluene-D8(S)	1.188	1.154	2.8	S	
66	TM	1,2-EDB	0.1196	0.1313	9.7	TM	
67	TML	Tetrachloroethene	0.1324	0.1306	1.3	TML	15
68	TM	1-Chlorohexane	0.0977	0.1043	6.8	TM	
69	TM	1,1,1,2-Tetrachloroethane	0.2003	0.2016	0.63	TM	
70	TM	m&p-Xylene	0.2709	0.2952	9.0	TM	
71	TM	o-Xylene	0.2622	0.2824	7.7	TM	
72	TM	Styrene	0.4145	0.4651	12	TM	
73	S	4-Bromofluorobenzene(S)	0.4530	0.4645	2.5	S	
74	TML	1,3-Dichloropropane	0.1649	0.1943	18	TML	10.0
75	TM	Dibromochloromethane	0.1925	0.2093	8.7	TM	
76	TM**	Chlorobenzene	0.4034	0.4407	9.2	TM**	
77	TM*	Ethylbenzene	0.6265	0.6965	11	TM*	
78	TM**	Bromoform	0.1503	0.1668	11	TM**	
79	I	1,4-Dichlorobenzene-D (IS)	ISTD			I	
80	TM	Isopropylbenzene	1.066	1.168	9.6	TM	
		Average			8.3		

VOLATILE ORGANIC ANALYSIS BY
EPA METHOD 8260B

Form 7

Ending Continuing Calibration

Lab Name: APPL, Inc. SDG No:
Case No: Date Analyzed: 11/15/2021
Matrix: Water Instrument: Max
Cal. Date: 11/11/2021
Data File: 1115M25.D

		Compound	MEAN	CCRF	%D		%Drift
81	TM**	1,1,2,2-Tetrachloroethane	0.1775	0.1679	5.4	TM**	
82	TML	1,2,3-Trichloropropane	0.1011	0.1086	7.5	TML	20
83	TML	t-1,4-Dichloro-2-Butene	0.0414	0.0491	19	TML	15
84	TM	Bromobenzene	0.3809	0.3948	3.6	TM	
85	TM	n-Propylbenzene	1.042	1.183	14	TM	
86	TM	4-Ethyltoluene	1.021	1.119	9.6	TM	
87	TM	2-Chlorotoluene	0.8206	0.9040	10	TM	
88	TM	1,3,5-Trimethylbenzene	0.9005	1.022	13	TM	
89	TM	4-Chlorotoluene	0.8292	0.9488	14	TM	
90	TM	Tert-Butylbenzene	0.5251	0.6078	16	TM	
91	TM	1,2,4-Trimethylbenzene	0.8840	0.9587	8.5	TM	
92	TM	Sec-Butylbenzene	0.9755	1.173	20	TM	
93	TML	p-Isopropyltoluene	0.9027	1.066	18	TML	3.2
94	TML	Benzyl Chloride	0.2431	0.2068	15	TML	8.1
95	TM	1,3-DCB	0.6521	0.6594	1.1	TM	
96	TM	1,4-DCB	0.6758	0.6388	5.5	TM	
97	TML	n-Butylbenzene	0.5559	0.5788	4.1	TML	9.4
98	TM	1,2-DCB	0.6054	0.6610	9.2	TM	
99	TML	Hexachloroethane	0.1637	0.1983	21	TML	12
100	TML	1,2-Dibromo-3-chloropropane	0.0435	0.0528	21	TML	6.8
101	TML	1,2,4-Trichlorobenzene	0.1844	0.2147	16	TML	9.5
102	TML	Hexachlorobutadiene	0.2201	0.2648	20	TML	2.5
103	TML	Naphthalene	0.3406	0.3262	4.2	TML	17
104	TML	1,2,3-Trichlorobenzene	0.2270	0.2524	11	TML	14
105							
106							
107							
108							
109							
110							
111							
112							
113							
114							
115							
116							
117							
118							
119							
120							
		Average			11.9		

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211111\1115M25.D Vial: 25
Acq On : 15 Nov 21 19:52 Operator: LP,DG,CH
Sample : Ending CCV 10ug/L 11/15/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Nov 16 4:12 2021 Quant Results File: M1111W.RES

Quant Method : M:\MAX\DATA\211111\M1111W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Nov 12 09:40:33 2021
Response via : Initial Calibration
DataAcq Meth : M8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.37	96	380344	25.00	ppb	0.00
65) Chlorobenzene-D5 (IS)	9.53	117	342457	25.00	ppb	0.00
80) 1,4-Dichlorobenzene-D (IS)	11.85	152	222128	25.00	ppb	0.00
System Monitoring Compounds						
41) Dibromofluoromethane(S)	5.59	111	123534	26.06	ppb	0.00
Spiked Amount 25.000			Recovery =	104.232%		
46) 1,2-DCA-D4(S)	5.98	65	86896	26.23	ppb	0.00
Spiked Amount 25.000			Recovery =	104.920%		
66) Toluene-D8(S)	8.08	98	395285	24.29	ppb	0.00
Spiked Amount 25.000			Recovery =	97.168%		
74) 4-Bromofluorobenzene(S)	10.70	95	159067	25.63	ppb	0.00
Spiked Amount 25.000			Recovery =	102.532%		
Target Compounds						Qvalue
3) Dichlorodifluoromethane	1.20	85	20048	9.83	ppb	95
4) Freon 114	1.30	85	15329	11.06	ppb	94
5) Chloromethane	1.34	50	11591	9.73	ppb	98
6) Vinyl chloride	1.43	62	13234	9.38	ppb	92
8) Bromomethane	1.69	94	15833	10.09	ppb	98
9) Chloroethane	1.79	64	9417	10.07	ppb	96
10) Dichlorofluoromethane	1.99	67	36785	11.65	ppb	97
11) Trichlorofluoromethane	2.02	101	46095	11.41	ppb	98
13) Acrolein	2.46	56	17946	101.14	ppb	93
14) Acetone	2.63	43	22377	48.88	ppb	96
15) Freon-113	2.55	151	20740	11.65	ppb	93
16) Acetonitrile	2.96	41	13041	113.94	ppb	95
18) 1,2-Dichlorotrifluoroethan	1.99	67	36785	11.65	ppb	100
19) 1,1-DCE	2.53	61	26442	10.97	ppb	99
20) t-Butanol	3.37	59	20172	127.09	ppb	99
21) Methyl Acetate	3.02	43	7779	10.10	ppb	98
22) Iodomethane	2.68	142	17281	8.70	ppb	95
23) Acrylonitrile	3.46	53	4622	10.96	ppb	96
25) Methylene chloride	3.11	84	17023	11.12	ppb	90
26) Carbon disulfide	2.74	76	19896	10.54	ppb	97
27) Methyl t-butyl ether (MtBE	3.50	73	57951	10.99	ppb	98
28) Trans-1,2-DCE	3.46	96	18558	11.66	ppb	82
29) 3-Methylpentane	3.50	57	10019	11.45	ppb	84
31) Diisopropyl Ether	4.28	45	38707	12.01	ppb	91
32) 1,1-DCA	4.10	63	28176	10.65	ppb	96
34) Ethyl tert Butyl Ether	4.81	59	49200	11.47	ppb	91
35) Methylcyclopentane	4.81	56	1866	9.27	ppb	100

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

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211111\1115M25.D Vial: 25
Acq On : 15 Nov 21 19:52 Operator: LP,DG,CH
Sample : Ending CCV 10ug/L 11/15/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Nov 16 4:12 2021 Quant Results File: M1111W.RES

Quant Method : M:\MAX\DATA\211111\M1111W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Nov 12 09:40:33 2021
Response via : Initial Calibration
DataAcq Meth : M8260

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
36)	MEK (2-Butanone)	5.03	43	26203	53.12	ppb	#	91
37)	Cis-1,2-DCE	4.95	96	19474	10.22	ppb		93
38)	2,2-Dichloropropane	4.93	77	33382	9.63	ppb		96
39)	Chloroform	5.39	83	42292	11.45	ppb		84
40)	Bromochloromethane	5.26	130	16013	10.39	ppb		87
42)	1,1,1-TCA	5.57	97	48866	11.64	ppb		93
43)	Cyclohexane	5.62	41	11847	10.59	ppb		85
44)	1,1-Dichloropropene	5.79	75	24483	11.37	ppb		88
45)	2,2,4-Trimethylpentane	6.15	57	30296	10.05	ppb		95
47)	Carbon Tetrachloride	5.77	117	44552	11.47	ppb		87
48)	Tert Amyl Methyl Ether	6.21	73	48907	11.16	ppb	#	94
49)	1,2-DCA	6.07	62	39413	11.06	ppb		98
50)	Benzene	6.03	78	65334	10.58	ppb		94
51)	TCE	6.78	95	23386	11.82	ppb		98
52)	2-Pentanone	7.04	43	106087	130.83	ppb		95
53)	1,2-Dichloropropane	7.03	63	6930	9.41	ppb		97
54)	Bromodichloromethane	7.34	83	32219	11.12	ppb		100
55)	Methyl Cyclohexane	6.97	83	24103	10.81	ppb		96
56)	Dibromomethane	7.15	93	11218	9.40	ppb		78
57)	MIBK (methyl isobutyl ket	8.01	43	51530	51.16	ppb		94
58)	1-Bromo-2-chloroethane	7.65	144	4381	10.47	ppb		84
60)	Cis-1,3-Dichloropropene	7.82	75	28945	10.76	ppb		91
61)	Toluene	8.14	91	78408	10.28	ppb		90
62)	Trans-1,3-Dichloropropene	8.40	75	27717	10.76	ppb		97
63)	1,1,2-TCA	8.58	83	11269	10.06	ppb		93
64)	2-Hexanone	8.85	43	35157	53.60	ppb		94
67)	1,2-EDB	9.06	107	17981	10.97	ppb		90
68)	Tetrachloroethene	8.69	164	17896	11.48	ppb		92
69)	1-Chlorohexane	9.56	91	14286	10.68	ppb		94
70)	1,1,1,2-Tetrachloroethane	9.65	131	27610	10.06	ppb		90
71)	m&p-Xylene	9.79	106	80866	21.79	ppb		98
72)	o-Xylene	10.19	106	38686	10.77	ppb		94
73)	Styrene	10.20	104	63710	11.22	ppb		97
75)	1,3-Dichloropropane	8.74	76	26617	11.00	ppb		94
76)	Dibromochloromethane	8.96	129	28670	10.87	ppb		81
77)	Chlorobenzene	9.55	112	60367	10.92	ppb		92
78)	Ethylbenzene	9.68	91	95402	11.12	ppb		96
79)	Bromoform	10.37	173	22852	11.10	ppb		97
81)	Isopropylbenzene	10.56	105	103735	10.96	ppb		98
82)	1,1,2,2-Tetrachloroethane	10.87	83	14915	9.46	ppb	#	90
83)	1,2,3-Trichloropropane	10.90	110	9653	11.98	ppb		99
84)	t-1,4-Dichloro-2-Butene	10.93	53	4366	11.55	ppb		87

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

Data File : M:\MAX\DATA\211111\1115M25.D Vial: 25
Acq On : 15 Nov 21 19:52 Operator: LP,DG,CH
Sample : Ending CCV 10ug/L 11/15/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Nov 16 4:12 2021 Quant Results File: M1111W.RES

Quant Method : M:\MAX\DATA\211111\M1111W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Nov 12 09:40:33 2021
Response via : Initial Calibration
DataAcq Meth : M8260

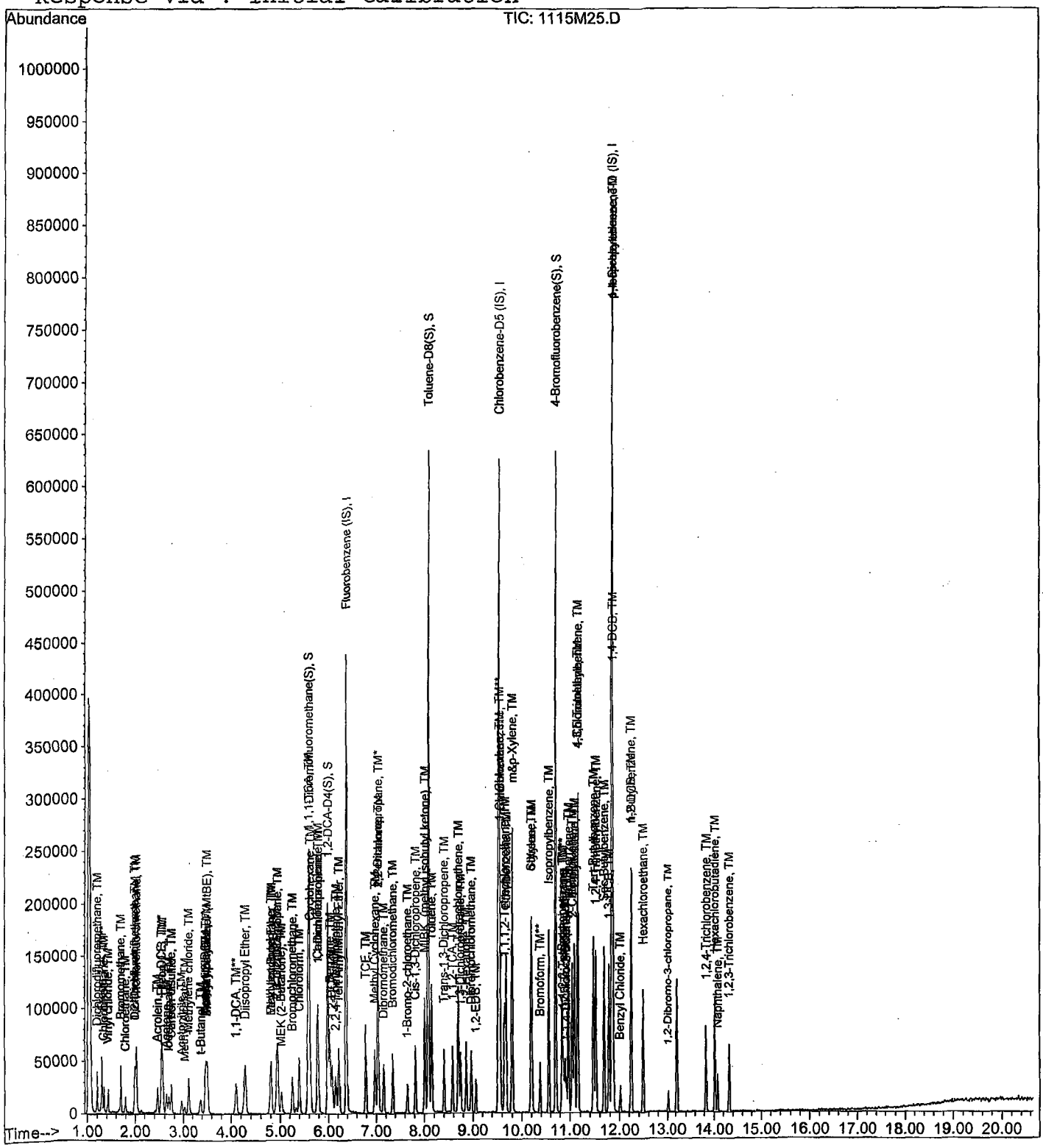
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
85)	Bromobenzene	10.84	156	35077	10.36	ppb		75
86)	n-Propylbenzene	10.97	91	105102	11.35	ppb		96
87)	4-Ethyltoluene	11.08	105	99444	10.96	ppb		95
88)	2-Chlorotoluene	11.04	91	80324	11.02	ppb		98
89)	1,3,5-Trimethylbenzene	11.15	105	90785	11.35	ppb		99
90)	4-Chlorotoluene	11.15	91	84298	11.44	ppb		92
91)	Tert-Butylbenzene	11.47	119	54000	11.57	ppb		97
92)	1,2,4-Trimethylbenzene	11.51	105	85183	10.85	ppb		93
93)	Sec-Butylbenzene	11.68	105	104235	12.03	ppb		95
94)	p-Isopropyltoluene	11.83	119	94704	10.32	ppb		96
95)	Benzyl Chloride	12.01	91	18377	9.19	ppb	#	92
96)	1,3-DCB	11.78	146	58586	10.11	ppb		97
97)	1,4-DCB	11.87	146	56755	9.45	ppb		94
98)	n-Butylbenzene	12.24	91	51430	9.06	ppb		99
99)	1,2-DCB	12.24	146	58728	10.92	ppb		95
100)	Hexachloroethane	12.48	117	17619	11.22	ppb		81
101)	1,2-Dibromo-3-chloropropan	13.02	75	4694	10.68	ppb		92
102)	1,2,4-Trichlorobenzene	13.84	180	19072	9.05	ppb		98
103)	Hexachlorobutadiene	14.01	225	23524	9.75	ppb		92
104)	Naphthalene	14.08	128	28982	8.35	ppb	#	91
105)	1,2,3-Trichlorobenzene	14.32	180	22429	8.65	ppb		98

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

Data File : M:\MAX\DATA\211111\1115M25.D Vial: 25
Acq On : 15 Nov 21 19:52 Operator: LP,DG,CH
Sample : Ending CCV 10ug/L 11/15/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Nov 16 4:12 2021 Quant Results File: M1111W.RES

Method : M:\MAX\DATA\211111\M1111W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Nov 12 09:40:33 2021
Response via : Initial Calibration



ORGANICS
Raw Data

Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\211111\1115M23.D Vial: 23
Acq On : 15 Nov 21 18:56 Operator: LP,DG,CH
Sample : BA46000W01 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Nov 16 5:21 2021 Quant Results File: M1111W.RES

Quant Method : M:\MAX\DATA\211111\M1111W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Nov 12 09:40:33 2021
Response via : Initial Calibration
DataAcq Meth : M8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.38	96	378652	25.00	ppb	0.00
65) Chlorobenzene-D5 (IS)	9.53	117	334021	25.00	ppb	0.00
80) 1,4-Dichlorobenzene-D (IS)	11.85	152	205625	25.00	ppb	0.00
System Monitoring Compounds						
41) Dibromofluoromethane(S)	5.59	111	119870	25.40	ppb	0.00
Spiked Amount 25.000			Recovery = 101.592%			
46) 1,2-DCA-D4(S)	5.98	65	83568	25.34	ppb	0.00
Spiked Amount 25.000			Recovery = 101.352%			
66) Toluene-D8(S)	8.08	98	386574	24.36	ppb	0.00
Spiked Amount 25.000			Recovery = 97.424%			
74) 4-Bromofluorobenzene(S)	10.70	95	150054	24.79	ppb	0.00
Spiked Amount 25.000			Recovery = 99.168%			

Target Compounds Qvalue

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

Quantitation Report

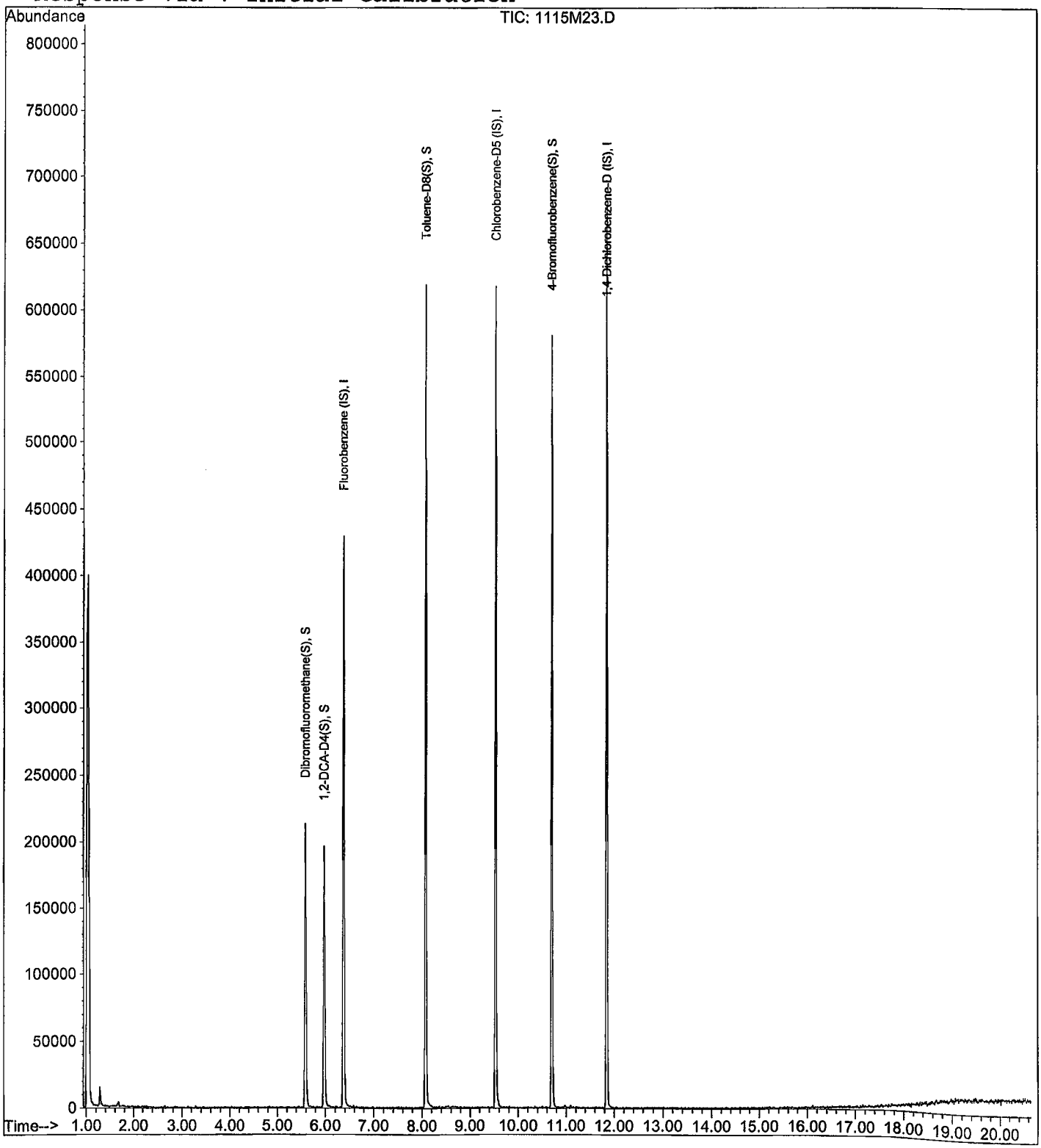
Data File : M:\MAX\DATA\211111\1115M23.D
Acq On : 15 Nov 21 18:56
Sample : BA46000W01
Misc : IS&S 8/4/21

Vial: 23
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Nov 16 5:21 2021

Quant Results File: M1111W.RES

Method : M:\MAX\DATA\211111\M1111W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Nov 12 09:40:33 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\211111\1115M24.D Vial: 24
Acq On : 15 Nov 21 19:24 Operator: LP,DG,CH
Sample : BA46001W01 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Nov 16 5:23 2021 Quant Results File: M1111W.RES

Quant Method : M:\MAX\DATA\211111\M1111W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Nov 12 09:40:33 2021
Response via : Initial Calibration
DataAcq Meth : M8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.37	96	370786	25.00	ppb	0.00
65) Chlorobenzene-D5 (IS)	9.53	117	332373	25.00	ppb	0.00
80) 1,4-Dichlorobenzene-D (IS)	11.85	152	196683	25.00	ppb	0.00
System Monitoring Compounds						
41) Dibromofluoromethane(S)	5.59	111	122858	26.58	ppb	0.00
Spiked Amount 25.000			Recovery =	106.336%		
46) 1,2-DCA-D4(S)	5.98	65	82816	25.64	ppb	0.00
Spiked Amount 25.000			Recovery =	102.572%		
66) Toluene-D8(S)	8.08	98	384052	24.32	ppb	0.00
Spiked Amount 25.000			Recovery =	97.272%		
74) 4-Bromofluorobenzene(S)	10.70	95	142385	23.64	ppb	0.00
Spiked Amount 25.000			Recovery =	94.564%		

Target Compounds Qvalue

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

Quantitation Report

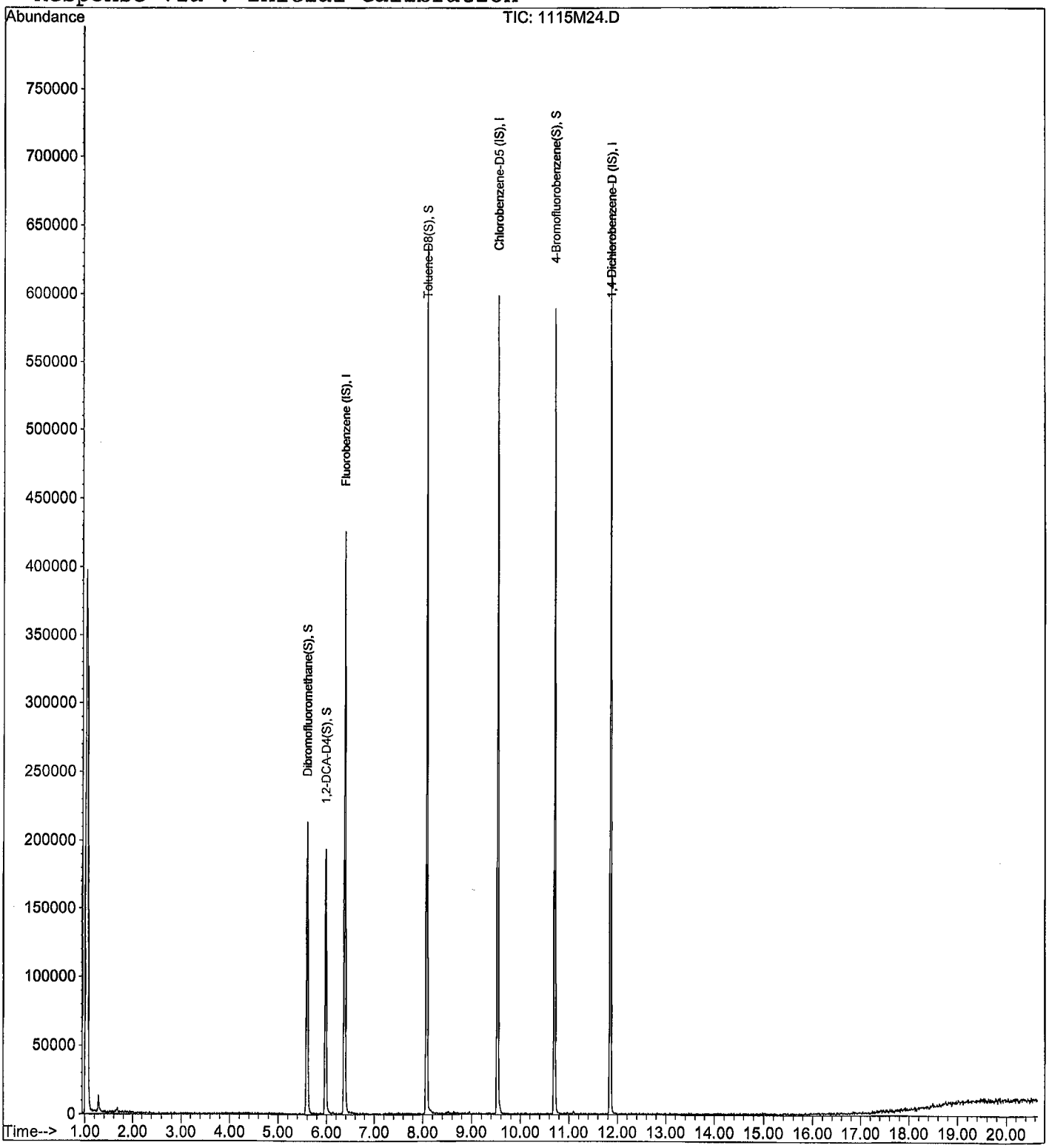
Data File : M:\MAX\DATA\211111\1115M24.D
Acq On : 15 Nov 21 19:24
Sample : BA46001W01
Misc : IS&S 8/4/21

Vial: 24
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Nov 16 5:23 2021

Quant Results File: M1111W.RES

Method : M:\MAX\DATA\211111\M1111W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Nov 12 09:40:33 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\211111\1115M08.D Vial: 8
Acq On : 15 Nov 21 11:50 Operator: LP,DG,CH
Sample : 211115A BLK Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Nov 15 12:51 2021 Quant Results File: M1111W.RES

Quant Method : M:\MAX\DATA\211111\M1111W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Nov 12 09:40:33 2021
Response via : Initial Calibration
DataAcq Meth : M8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.38	96	395694	25.00	ppb	0.00
65) Chlorobenzene-D5 (IS)	9.53	117	350184	25.00	ppb	0.00
80) 1,4-Dichlorobenzene-D (IS)	11.85	152	211146	25.00	ppb	0.00
System Monitoring Compounds						
41) Dibromofluoromethane(S)	5.60	111	126243	25.60	ppb	0.00
Spiked Amount 25.000			Recovery = 102.388%			
46) 1,2-DCA-D4(S)	5.98	65	84272	24.45	ppb	0.00
Spiked Amount 25.000			Recovery = 97.804%			
66) Toluene-D8(S)	8.08	98	406449	24.43	ppb	0.00
Spiked Amount 25.000			Recovery = 97.708%			
74) 4-Bromofluorobenzene(S)	10.71	95	157554	24.83	ppb	0.00
Spiked Amount 25.000			Recovery = 99.316%			

Target Compounds Qvalue

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

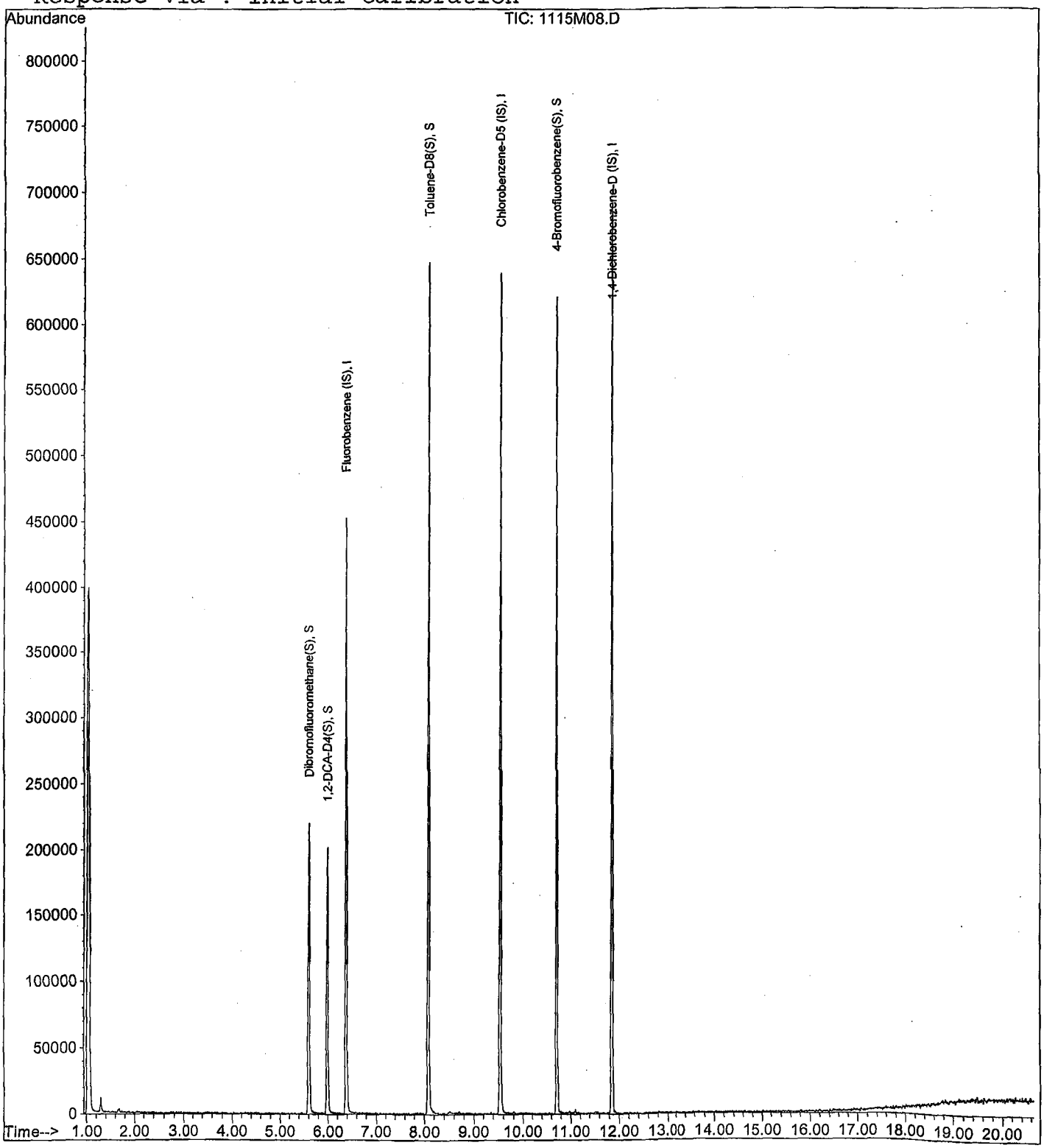
Data File : M:\MAX\DATA\211111\1115M08.D
Acq On : 15 Nov 21 11:50
Sample : 211115A BLK
Misc : IS&S 8/4/21

Vial: 8
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Nov 15 12:51 2021

Quant Results File: M1111W.RES

Method : M:\MAX\DATA\211111\M1111W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Nov 12 09:40:33 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211111\1115M04.D Vial: 4
Acq On : 15 Nov 21 9:57 Operator: LP,DG,CH
Sample : 211115A LCSD 10ug/L Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Nov 16 5:34 2021 Quant Results File: M1111W.RES

Quant Method : M:\MAX\DATA\211111\M1111W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Nov 12 09:40:33 2021
Response via : Initial Calibration
DataAcq Meth : M8260

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene (IS)	6.38	96	411326	25.00	ppb		0.00
65) Chlorobenzene-D5 (IS)	9.53	117	355924	25.00	ppb		0.00
80) 1,4-Dichlorobenzene-D (IS)	11.85	152	229762	25.00	ppb		0.00
System Monitoring Compounds							
41) Dibromofluoromethane(S)	5.60	111	127171	24.80	ppb		0.00
Spiked Amount 25.000			Recovery =	99.220%			
46) 1,2-DCA-D4(S)	5.99	65	87856	24.52	ppb		0.00
Spiked Amount 25.000			Recovery =	98.092%			
66) Toluene-D8(S)	8.08	98	420129	24.84	ppb		0.00
Spiked Amount 25.000			Recovery =	99.368%			
74) 4-Bromofluorobenzene(S)	10.71	95	160621	24.90	ppb		0.00
Spiked Amount 25.000			Recovery =	99.616%			
Target Compounds							Qvalue
3) Dichlorodifluoromethane	1.20	85	20192	9.16	ppb		96
4) Freon 114	1.30	85	13544	9.04	ppb		84
5) Chloromethane	1.34	50	12322	9.56	ppb		94
6) Vinyl chloride	1.43	62	14289	9.37	ppb		84
8) Bromomethane	1.70	94	13865	8.17	ppb		96
9) Chloroethane	1.79	64	9536	9.36	ppb		88
10) Dichlorofluoromethane	1.99	67	33806	9.90	ppb		96
11) Trichlorofluoromethane	2.03	101	43270	9.90	ppb		96
13) Acrolein	2.46	56	23216	120.98	ppb		82
14) Acetone	2.64	43	21544	43.52	ppb		94
15) Freon-113	2.55	151	18206	9.46	ppb	#	86
16) Acetonitrile	2.96	41	13351	107.86	ppb	#	86
18) 1,2-Dichlorotrifluoroethan	1.99	67	33806	9.90	ppb		100
19) 1,1-DCE	2.54	61	24689	9.48	ppb		98
20) t-Butanol	3.37	59	19264	112.23	ppb	#	91
21) Methyl Acetate	3.03	43	6476	7.77	ppb	#	79
22) Iodomethane	2.69	142	19595	9.07	ppb		89
23) Acrylonitrile	3.47	53	5293	11.61	ppb	#	82
25) Methylene chloride	3.12	84	15802	9.53	ppb	#	92
26) Carbon disulfide	2.74	76	19272	9.44	ppb		94
27) Methyl t-butyl ether (MtBE	3.51	73	58390	10.20	ppb		96
28) Trans-1,2-DCE	3.48	96	16940	9.84	ppb		96
29) 3-Methylpentane	3.51	57	9799	10.30	ppb	#	98
31) Diisopropyl Ether	4.28	45	36935	10.60	ppb		94
32) 1,1-DCA	4.11	63	29548	10.32	ppb		95
34) Ethyl tert Butyl Ether	4.81	59	46950	10.12	ppb		98
35) Methylcyclopentane	4.82	56	2207	10.38	ppb		100

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

Data File : M:\MAX\DATA\211111\1115M04.D Vial: 4
Acq On : 15 Nov 21 9:57 Operator: LP,DG,CH
Sample : 211115A LCSD 10ug/L Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Nov 16 5:34 2021 Quant Results File: M1111W.RES

Quant Method : M:\MAX\DATA\211111\M1111W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Nov 12 09:40:33 2021
Response via : Initial Calibration
DataAcq Meth : M8260

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
36)	MEK (2-Butanone)	5.03	43	25615	48.02	ppb		95
37)	Cis-1,2-DCE	4.95	96	19987	9.68	ppb		94
38)	2,2-Dichloropropane	4.94	77	40662	10.85	ppb		96
39)	Chloroform	5.40	83	40570	10.16	ppb		89
40)	Bromochloromethane	5.26	130	16775	10.05	ppb		92
42)	1,1,1-TCA	5.58	97	46813	10.26	ppb		94
43)	Cyclohexane	5.63	41	11697	9.65	ppb		79
44)	1,1-Dichloropropene	5.79	75	22640	9.72	ppb		94
45)	2,2,4-Trimethylpentane	6.15	57	30536	9.37	ppb		94
47)	Carbon Tetrachloride	5.78	117	41523	9.88	ppb		91
48)	Tert Amyl Methyl Ether	6.22	73	46954	9.91	ppb		97
49)	1,2-DCA	6.08	62	35139	9.12	ppb		95
50)	Benzene	6.03	78	64351	9.64	ppb		96
51)	TCE	6.79	95	19814	9.26	ppb		93
52)	2-Pentanone	7.04	43	109714	125.11	ppb		100
53)	1,2-Dichloropropane	7.03	63	7287	9.15	ppb	#	87
54)	Bromodichloromethane	7.35	83	31828	10.16	ppb		99
55)	Methyl Cyclohexane	6.98	83	22644	9.39	ppb		97
56)	Dibromomethane	7.16	93	11278	8.74	ppb		91
57)	MIBK (methyl isobutyl ket	8.01	43	55476	50.93	ppb		96
58)	1-Bromo-2-chloroethane	7.66	144	3901	8.58	ppb		80
60)	Cis-1,3-Dichloropropene	7.82	75	27736	9.53	ppb		92
61)	Toluene	8.15	91	77248	9.37	ppb		92
62)	Trans-1,3-Dichloropropene	8.40	75	27307	9.80	ppb		96
63)	1,1,2-TCA	8.58	83	11847	9.78	ppb		97
64)	2-Hexanone	8.86	43	34274	48.31	ppb		90
67)	1,2-EDB	9.06	107	17374	10.20	ppb		95
68)	Tetrachloroethene	8.70	164	16355	10.03	ppb		94
69)	1-Chlorohexane	9.56	91	14349	10.32	ppb		95
70)	1,1,1,2-Tetrachloroethane	9.65	131	27916	9.79	ppb		96
71)	m&p-Xylene	9.80	106	76153	19.75	ppb		95
72)	o-Xylene	10.19	106	38054	10.20	ppb		99
73)	Styrene	10.21	104	62385	10.57	ppb		95
75)	1,3-Dichloropropane	8.74	76	25089	9.95	ppb		89
76)	Dibromochloromethane	8.97	129	28663	10.46	ppb		97
77)	Chlorobenzene	9.56	112	60130	10.47	ppb		92
78)	Ethylbenzene	9.68	91	93078	10.44	ppb		100
79)	Bromoform	10.38	173	23117	10.80	ppb		91
81)	Isopropylbenzene	10.56	105	96164	9.82	ppb		99
82)	1,1,2,2-Tetrachloroethane	10.87	83	16078	9.86	ppb	#	88
83)	1,2,3-Trichloropropane	10.90	110	8650	10.33	ppb		95
84)	t-1,4-Dichloro-2-Butene	10.94	53	4658	11.90	ppb		97

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

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211111\1115M04.D Vial: 4
Acq On : 15 Nov 21 9:57 Operator: LP,DG,CH
Sample : 211115A LCSD 10ug/L Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Nov 16 5:34 2021 Quant Results File: M1111W.RES

Quant Method : M:\MAX\DATA\211111\M1111W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Nov 12 09:40:33 2021
Response via : Initial Calibration
DataAcq Meth : M8260

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
85) Bromobenzene	10.84	156	34200	9.77	ppb	90
86) n-Propylbenzene	10.97	91	101561	10.60	ppb	95
87) 4-Ethyltoluene	11.09	105	96466	10.28	ppb	99
88) 2-Chlorotoluene	11.04	91	79701	10.57	ppb	99
89) 1,3,5-Trimethylbenzene	11.15	105	89917	10.86	ppb	95
90) 4-Chlorotoluene	11.15	91	79116	10.38	ppb	90
91) Tert-Butylbenzene	11.47	119	51144	10.60	ppb	98
92) 1,2,4-Trimethylbenzene	11.52	105	85691	10.55	ppb	96
93) Sec-Butylbenzene	11.69	105	98644	11.00	ppb	97
94) p-Isopropyltoluene	11.84	119	91971	9.73	ppb	98
95) Benzyl Chloride	12.02	91	24273	11.38	ppb	93
96) 1,3-DCB	11.78	146	59603	9.94	ppb	98
97) 1,4-DCB	11.87	146	60501	9.74	ppb	96
98) n-Butylbenzene	12.24	91	52671	8.99	ppb	96
99) 1,2-DCB	12.24	146	55620	10.00	ppb	99
100) Hexachloroethane	12.49	117	15225	9.47	ppb	98
101) 1,2-Dibromo-3-chloropropan	13.02	75	4221	9.42	ppb	94
102) 1,2,4-Trichlorobenzene	13.84	180	17760	8.38	ppb	97
103) Hexachlorobutadiene	14.02	225	23311	9.39	ppb	98
104) Naphthalene	14.08	128	30634	8.46	ppb	97
105) 1,2,3-Trichlorobenzene	14.32	180	22260	8.40	ppb	94

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

Quantitation Report

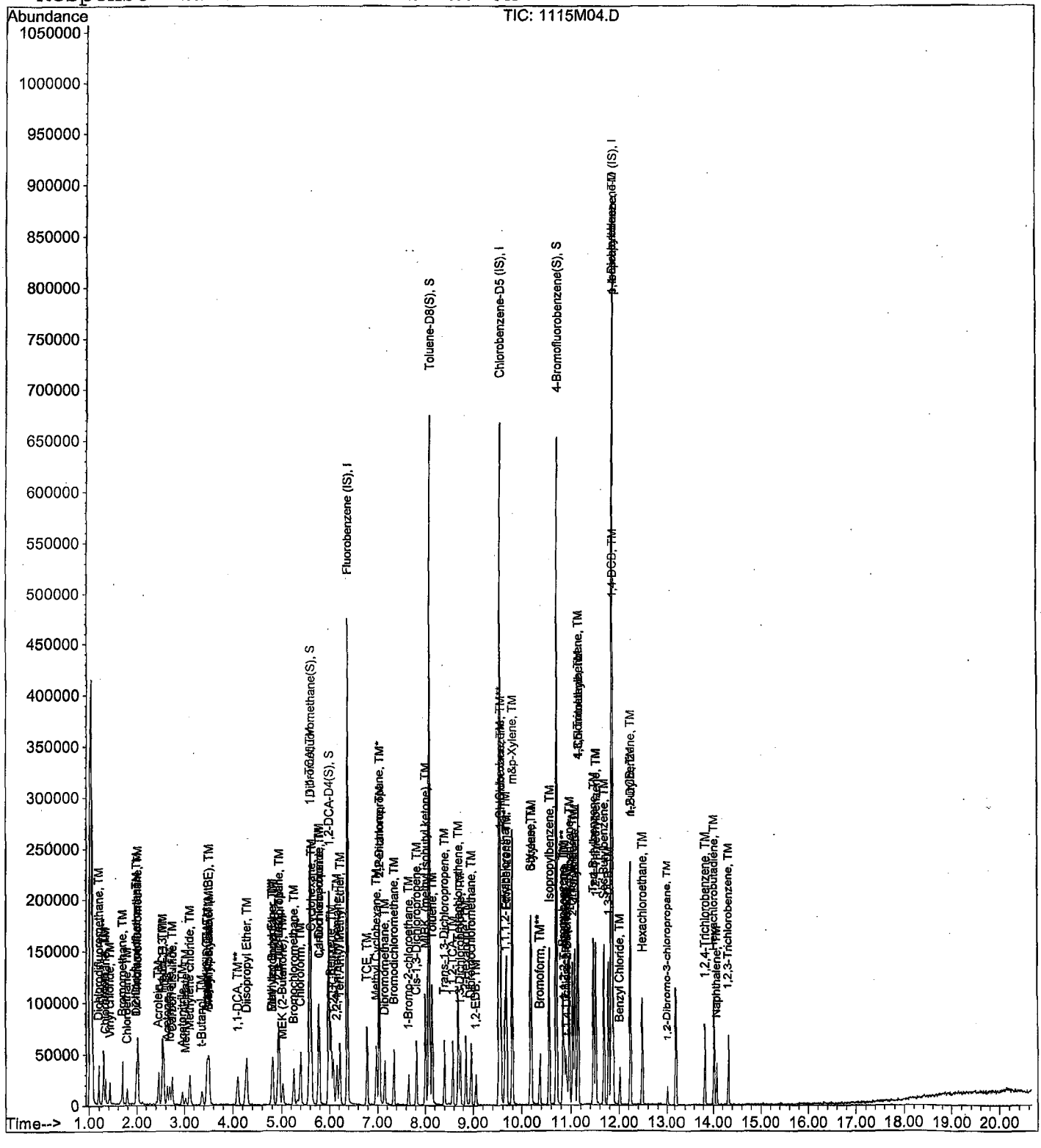
Data File : M:\MAX\DATA\211111\1115M04.D
Acq On : 15 Nov 21 9:57
Sample : 211115A LCSD 10ug/L
Misc : IS&S 8/4/21

Vial: 4
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Nov 16 5:34 2021

Quant Results File: M1111W.RES

Method : M:\MAX\DATA\211111\M1111W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Nov 12 09:40:33 2021
Response via : Initial Calibration

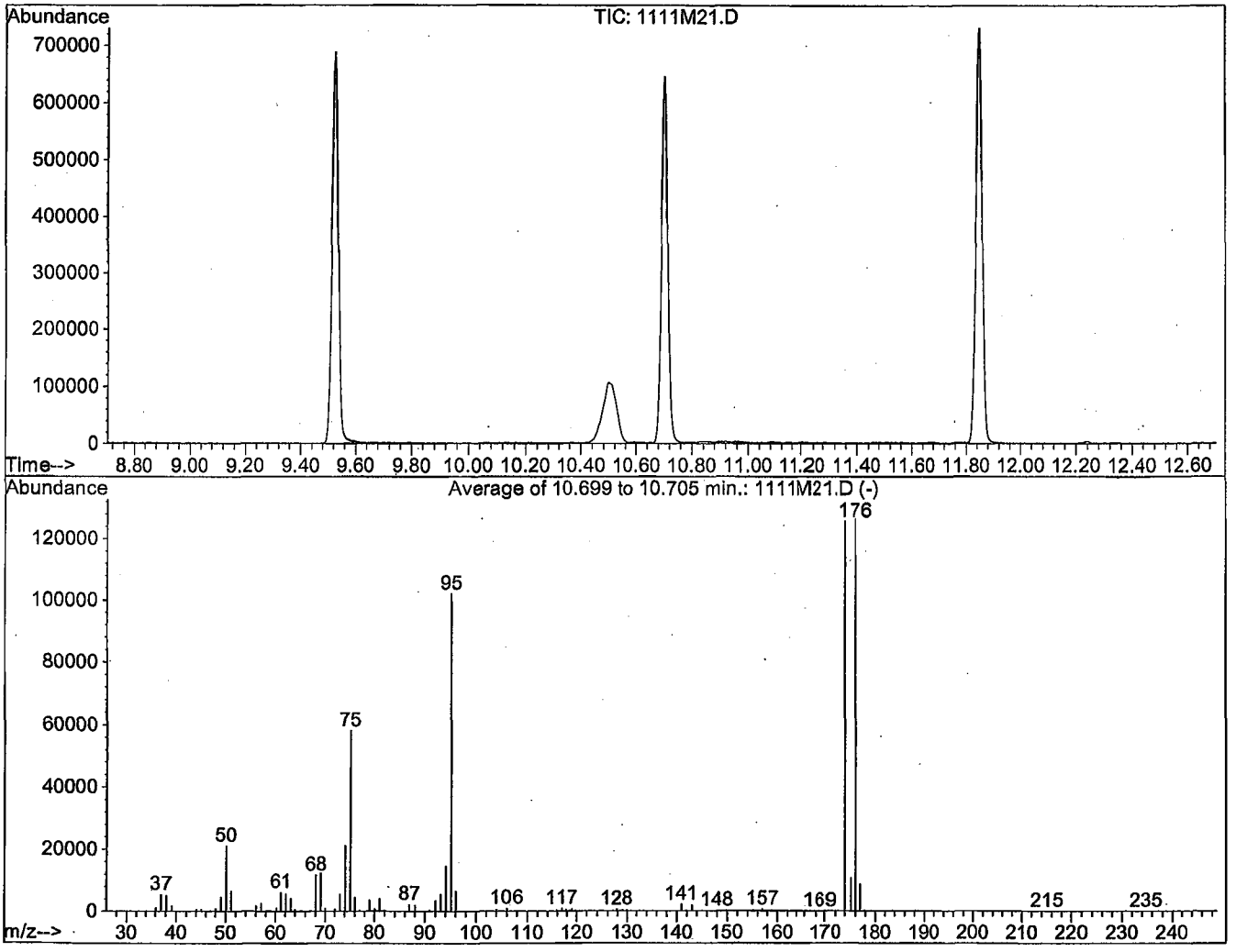


BFB

Data File : M:\MAX\DATA\211111\1111M21.D
Acq On : 11 Nov 21 18:10
Sample : 25ug/L BFB STD 10/29/21
Misc : IS&S 8/4/21

Vial: 1
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Method : M:\MAX\DATA\211111\M1111W.M (RTE Integrator)
Title : METHOD 8260B



AutoFind: Scans 3041, 3042, 3043; Background Corrected with Scan 3027

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	20.6	21067	PASS
75	95	30	60	56.9	58077	PASS
95	95	100	200	100.0	102045	PASS
96	95	5	9	6.4	6566	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	200	123.3	125821	PASS
175	174	5	9	8.8	11035	PASS
176	174	95	101	100.5	126427	PASS
177	176	5	9	7.0	8852	PASS

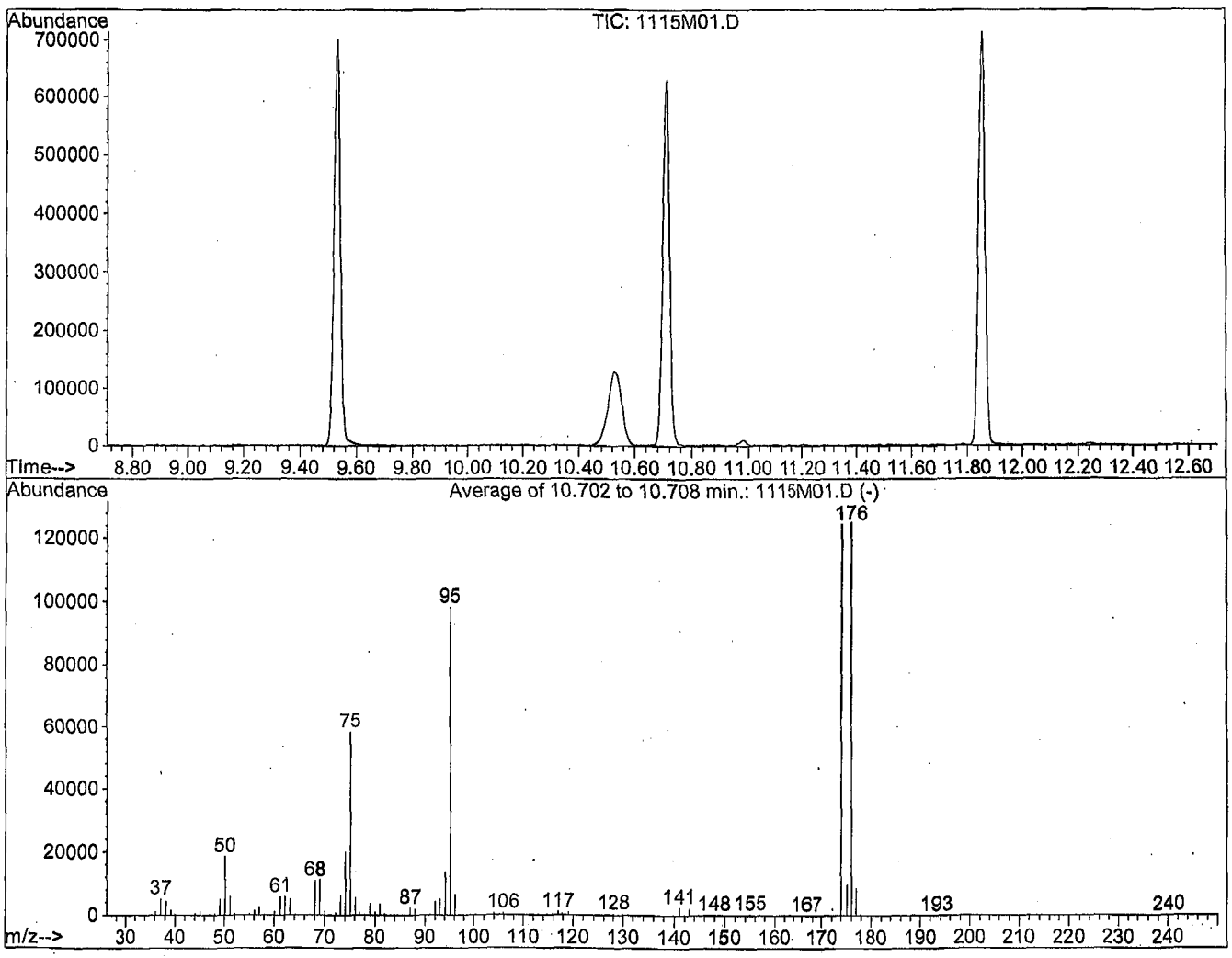
1111M21.D M1111W.M Fri Nov 12 09:55:06 2021

BFB

Data File : M:\MAX\DATA\211111\1115M01.D
Acq On : 15 Nov 21 8:32
Sample : 25ug/L BFB STD 10/29/21
Misc : IS&S 8/4/21

Vial: 1
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Method : M:\MAX\DATA\211111\M1111W.M (RTE Integrator)
Title : METHOD 8260B



AutoFind: Scans 3042, 3043, 3044; Background Corrected with Scan 3026

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.0	18637	PASS
75	95	30	60	59.5	58387	PASS
95	95	100	200	100.0	98139	PASS
96	95	5	9	6.7	6552	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	200	126.9	124581	PASS
175	174	5	9	7.8	9739	PASS
176	174	95	101	100.5	125251	PASS
177	176	5	9	6.9	8642	PASS

1115M01.D M1111W.M Tue Nov 16 08:04:48 2021

MAX 8260 Standard Prep

MAX 8260 Water Calibration Curve

0.3ug/L

Prepared: 11/11/2021

Expires: 12/1/2021

Prepared By (Initials): CH

Initial Standard Information							Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	APPL Mix Name	Conc. (ug/mL)	Reference To APPL Prep Date	Exp. Date	Exp. Date (Manufacturers)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/L)
VOA STD. 9	Various	0.3ug/L	5	Prepared 11/08/21	1/7/2022	N/A	3uL	50mL	P&T Water	0.3
VOA STD. 1	Absolute		50	Prepared 11/08/21	1/7/2022	N/A	5uL			5
VOA STD. 2	Phenova		100	Prepared 11/08/21	1/7/2022	N/A	2.5uL			5
VOA STD. TBA	Various		250	Prepared 11/08/21	12/1/2021	N/A	2uL			10

0.5ug/L

Prepared: 11/11/2021

Expires: 12/1/2021

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 11/08/21	1/7/2022	N/A	5uL	50mL	P&T Water	0.5
VOA STD. 1	Absolute		50	Prepared 11/08/21	1/7/2022	N/A	10uL			10
VOA STD. 2	Phenova		100	Prepared 11/08/21	1/7/2022	N/A	5uL			10
VOA STD. TBA	Various		250	Prepared 11/08/21	12/1/2021	N/A	5uL			25

1.0ug/L

Prepared: 11/11/2021

Expires: 12/1/2021

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 11/08/21	1/7/2022	N/A	10uL	50mL	P&T Water	1
VOA STD. 1	Absolute		50	Prepared 11/08/21	1/7/2022	N/A	20uL			20
VOA STD. 2	Phenova		100	Prepared 11/08/21	1/7/2022	N/A	10uL			20
VOA STD. TBA	Various		250	Prepared 11/08/21	12/1/2021	N/A	10uL			50

2.0ug/L

Prepared: 11/11/2021

Expires: 12/1/2021

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 11/08/21	1/7/2022	N/A	20uL	50mL	P&T Water	2
VOA STD. 1	Absolute		50	Prepared 11/08/21	1/7/2022	N/A	30uL			30
VOA STD. 2	Phenova		100	Prepared 11/08/21	1/7/2022	N/A	15uL			30
VOA STD. TBA	Various		250	Prepared 11/08/21	12/1/2021	N/A	15uL			75

5ug/L

Prepared: 11/11/2021

Expires: 12/1/2021

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 11/08/21	1/7/2022	N/A	5uL	50mL	P&T Water	5
VOA STD. 8	Phenova		50	Prepared 11/08/21	12/1/2021	N/A	5uL			5
VOA STD. 1	Absolute		50	Prepared 11/08/21	1/7/2022	N/A	40uL			40
VOA STD. 2	Phenova		100	Prepared 11/08/21	1/7/2022	N/A	20uL			20
VOA STD. TBA	Various		250	Prepared 11/08/21	12/1/2021	N/A	20uL			100

10ug/L

Prepared: 11/11/2021

Expires: 12/1/2021

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 11/08/21	1/7/2022	N/A	10uL	50mL	P&T Water	10
VOA STD. 8	Phenova		50	Prepared 11/08/21	12/1/2021	N/A	10uL			10
VOA STD. 1	Absolute		50	Prepared 11/08/21	1/7/2022	N/A	50uL			50
VOA STD. 2	Phenova		100	Prepared 11/08/21	1/7/2022	N/A	25uL			50
VOA STD. TBA	Various		250	Prepared 11/08/21	12/1/2021	N/A	25uL			125

20ug/L

Prepared: 11/11/2021

Expires: 12/1/2021

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 11/08/21	1/7/2022	N/A	20uL	50mL	P&T Water	20
VOA STD. 8	Phenova		50	Prepared 11/08/21	12/1/2021	N/A	20uL			20
VOA STD. 1	Absolute		50	Prepared 11/08/21	1/7/2022	N/A	60uL			60
VOA STD. 2	Phenova		100	Prepared 11/08/21	1/7/2022	N/A	30uL			60
VOA STD. TBA	Various		250	Prepared 11/08/21	12/1/2021	N/A	30uL			150

40ug/L

Prepared: 11/11/2021

Expires: 12/1/2021

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 11/08/21	1/7/2022	N/A	40uL	50mL	P&T Water	40
VOA STD. 8	Phenova		50	Prepared 11/08/21	12/1/2021	N/A	40uL			40
VOA STD. 1	Absolute		50	Prepared 11/08/21	1/7/2022	N/A	80uL			80
VOA STD. 2	Phenova		100	Prepared 11/08/21	1/7/2022	N/A	40uL			80
VOA STD. TBA	Various		250	Prepared 11/08/21	12/1/2021	N/A	35uL			175

100ug/L

Prepared: 11/11/2021

Expires: 12/1/2021

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 11/08/21	1/7/2022	N/A	100uL	50mL	P&T Water	100
VOA STD. 8	Phenova		50	Prepared 11/08/21	12/1/2021	N/A	100uL			100
VOA STD. 1	Absolute		50	Prepared 11/08/21	1/7/2022	N/A	100uL			100
VOA STD. 2	Phenova		100	Prepared 11/08/21	1/7/2022	N/A	50uL			100
VOA STD. TBA	Various		250	Prepared 11/08/21	12/1/2021	N/A	40uL			200

MAX 8260 Water Second Source (SS)

Prepared: 11/11/2021

Prepared By (Initials): CH

Expires: 12/1/2021

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 11/08/21	1/7/2022	N/A	25uL	50mL	P&T Water	50
VOA STD. GASES	Phenova	8260 Water SS	50	Prepared 11/08/21	1/7/2022	N/A	10uL			10
VOA STD. 0	Phenova	8260 Water SS	50	Prepared 11/08/21	1/7/2022	N/A	10uL			10
VOA STD. 2-CEVE	Absolute	8260 Water SS	50	Prepared 11/08/21	11/8/2021	N/A	50uL			50
VOA STD. 6	Various	8260 Water SS	50	Prepared 11/08/21	12/1/2021	N/A	10uL			10
Voa STD. TBA	Various	8260 Water SS	250	Prepared 11/08/21	12/1/2021	N/A	25uL			250

8260 Water Continuing Calibrations (CCV)/ Lab Control Spikes (LCS)

Prepared: 11/11/2021

Prepared By (Initials): CH

Expires: 11/12/2021

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 11/08/21	1/7/2022	N/A	10uL	50mL	P&T Water	10
VOA STD. 8	Phenova	CCV/ LCS	50	Prepared 11/08/21	12/1/2021	N/A	10uL			10
VOA STD. 1	Absolute	CCV/ LCS	50	Prepared 11/08/21	1/7/2022	N/A	50uL			50
VOA STD. 2	Phenova	CCV/ LCS	100	Prepared 11/08/21	1/7/2022	N/A	25uL			50
VOA STD. TBA	Various	CCV/ LCS	250	Prepared 11/08/21	12/1/2021	N/A	25uL			250

Primary and Secondary Working Standards

Primary Standards

VOA STD 7

Prepared: 11/8/2021 A
Expires: 1/7/2022
Prepared By (Initials): EO
Methanol Lot No. DW117-US-0095

Initial Standard Information							Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	Supplier P/N#	Conc. (ug/mL)	Lot Number - QA Number	Exp. Date (1 yr)	Exp. Date (Manufacturers)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/mL)
VOA Gasses STD	Phenova	ALO-101206	2,000	CL17305-53042	11/8/2022	8/31/2026	100uL	4mL	Methanol	50
Hexachloroethane	Absolute	70199	1,000	021621-53134	11/8/2022	2/16/2026	200uL			50
Benzyl Chloride	Absolute	70037	1,000	082521-53129	11/8/2022	8/25/2022	200uL			50

VOA STD 8

Prepared: 11/8/2021 B
Expires: 12/1/2021
Prepared By (Initials): EO
Methanol Lot No. DW117-US-0095

Initial Standard Information							Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	Supplier P/N#	Conc. (ug/mL)	Lot Number - QA Number	Exp. Date (1 yr)	Exp. Date (Manufacturers)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/mL)
VOA Additions STD	Phenova	ALO-130175	2,000	CL15724-53047	11/8/2022	9/30/2022	100uL	4mL	Methanol	50
502.2 Cal. Std.	Phenova	ALO-101200	2,000	CL16052-53062	11/8/2022	11/30/2025	100uL			50
Vinyl Acetate	Phenova	ALO-101228	2,000	CL17583-53184	11/8/2022	12/1/2021	100uL			50

VOA STD TBA

Prepared: 11/8/2021 C
Expires: 12/1/2021
Prepared By (Initials): EO
Methanol Lot No. DW117-US-0095

Initial Standard Information							Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	Supplier P/N#	Conc. (ug/mL)	Lot Number - QA Number	Exp. Date (1 yr)	Exp. Date (Manufacturers)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/mL)
Custom VOC Mix	Phenova	ALO-130176	2,000	CL15725-53074	11/8/2022	9/30/2023	500uL	4mL	Methanol	250
Acrolein	Phenova	ALO-130549	10,000	CL17582-53186	11/8/2022	12/1/2021	100uL			250

VOA STD 1

Prepared: 11/8/2021 D
Expires: 1/7/2022
Prepared By (Initials): EO
Methanol Lot No. DW117-US-0095

Initial Standard Information							Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	Supplier P/N#	Conc. (ug/mL)	Lot Number - QA Number	Exp. Date (1 yr)	Exp. Date (Manufacturers)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/mL)
2-CEVE	Absolute	82408	2,000	011320-53144	11/8/2022	1/13/2023	50	2mL	Methanol	50

VOA STD 2

Prepared: 11/8/2021 E
Expires: 1/7/2022
Prepared By (Initials): EO
Methanol Lot No. DW117-US-0095

Initial Standard Information							Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	Supplier P/N#	Conc. (ug/mL)	Lot Number - QA Number	Exp. Date (1 yr)	Exp. Date (Manufacturers)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/mL)
Ketones Std.	Phenova	ALO-109211	2,000	CL17447-53165	11/8/2022	10/31/2031	200	4mL	Methanol	100

VOA STD 9

Prepared: 11/8/2021 F
Expires: 1/7/2022
Prepared By (Initials): EO
Methanol Lot No. DW117-US-0095

Initial Standard Information							Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	APPL Mix Name	Conc. (ug/mL)	Reference To APPL Prep Date	Exp. Date (1 yr)	Exp. Date (Manufacturers)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/mL)
VOA STD. 7		VOA STD. 9	50	Prepared 11/08/21	11/8/2022	N/A	200uL	2mL	Methanol	5
VOA STD. 8			50	Prepared 11/08/21	11/8/2022	N/A	200uL			5

VOA STD. 10

Prepared: 11/8/2021 G
Expires: 1/7/2022
Prepared By (Initials): EO
Methanol Lot No. DW117-US-0095

Initial Standard Information							Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	APPL Mix Name	Conc. (ug/mL)	Reference To APPL Prep Date	Exp. Date (1 yr)	Exp. Date (Manufacturers)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/mL)
VOA STD. 1		VOA STD. 10	50	Prepared 11/08/21	11/8/2022	N/A	200uL	2mL	Methanol	5

VOA STD. 12

Prepared: 11/8/2021 H
Expires: 1/7/2022
Prepared By (Initials): EO
Methanol Lot No. DW117-US-0095

Initial Standard Information							Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	APPL Mix Name	Conc. (ug/mL)	Reference To APPL Prep Date	Exp. Date (1 yr)	Exp. Date (Manufacturers)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/mL)
VOA STD. 2		VOA STD. 12	50	Prepared 11/08/21	11/8/2022	N/A	200uL	2mL	Methanol	5

Second Source (SS) Standards

VOA STD. 3

Prepared: 11/8/2021 I
Expires: 1/7/2022
Methanol Lot No. DW117-US-0095

Prepared By (Initials): EO

Initial Standard Information							Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	Supplier P/N#	Conc. (ug/mL)	Lot Number - QA Number	Exp. Date (1 yr)	Exp. Date (Manufacturers)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/mL)
Ketones Standard	Phenova	ALO-101211	2,000	CL16074-52969	11/8/2022	11/30/2030	100uL	2mL	Methanol	100

VOA STD. Gases

Prepared: 11/8/2021 J
Expires: 1/7/2022
Methanol Lot No. DW117-US-0095

Prepared By (Initials): EO

Initial Standard Information							Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	Supplier P/N#	Conc. (ug/mL)	Lot Number - QA Number	Exp. Date (1 yr)	Exp. Date (Manufacturers)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/mL)
8260 Gases (SS)	Phenova	ALO-101206	2,000	CL17302-53037	11/8/2022	8/31/2026	50uL	2mL	Methanol	50

VOA STD. 6

Prepared: 11/8/2021 K
Expires: 12/1/2021
Methanol Lot No. DW117-US-0095

Prepared By (Initials): EO

Initial Standard Information							Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	Supplier P/N#	Conc. (ug/mL)	Lot Number - QA Number	Exp. Date (1 yr)	Exp. Date (Manufacturers)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/mL)
502.2 Calibration STD. (54-compounds)	Phenova	ALO-101200	2,000	CL16071-53057	11/8/2022	11/30/2025	50uL	2mL	Methanol	50
Vinyl Acetate	Phenova	ALO-101228	2,000	CL17583-53183	11/8/2022	12/1/2021	50uL			50
Hexachloroethane	Accustand	AS-E0011	1,000	219061767-53154	11/8/2022	6/28/2029	100uL			50
Benzyl Chloride	Accustand	M-8010-01	200	219111303-01-53159	11/8/2022	1/30/2023	500uL			50

VOA STD. TBA

Prepared: 11/8/2021 L
Expires: 12/1/2021
Methanol Lot No. DW117-US-0095

Prepared By (Initials): EO

Initial Standard Information							Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	Supplier P/N#	Conc. (ug/mL)	Lot Number - QA Number	Exp. Date (1 yr)	Exp. Date (Manufacturers)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/mL)
Custom VOA Mix (4-3)	Phenova	ALO-130176	2,000	CL16012-53079	11/8/2022	11/30/2023	250uL	2mL	Methanol	250
Acrolein	Phenova	ALO-101224	10,000	CL17582-53185	11/8/2022	12/1/2021	50uL			250

VOA STD. 0

Prepared: 11/8/2021 M
Expires: 1/7/2022
Methanol Lot No. DW117-US-0095

Prepared By (Initials): EO

Initial Standard Information							Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	Supplier P/N#	Conc. (ug/mL)	Lot Number - QA Number	Exp. Date (1 yr)	Exp. Date (Manufacturers)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/mL)
VOA Addition STD.	Phenova	ALO-130175	2,000	CL17040-53052	11/8/2022	7/31/2024	50uL	2mL	Methanol	50

VOA STD. 2-CEVE

Prepared: 11/8/2021 N
Expires: 1/7/2022
Methanol Lot No. DW117-US-0095

Prepared By (Initials): EO

Initial Standard Information							Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	Supplier P/N#	Conc. (ug/mL)	Lot Number - QA Number	Exp. Date (1 yr)	Exp. Date (Manufacturers)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/mL)
2-CEVE (SS)	Absolute	82408	2,000	052521-53139	11/8/2022	5/25/2024	50uL	2mL	Methanol	50

Injection Log

Directory: M:\MAX\DATA\211111\

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	1	1111M21.D	1	25ug/L BFB STD 10/29/21	IS&S 8/4/21	11 Nov 21 18:10
2	2	1111M22.D	1	0.3ug/L VOC STD 11/11/21	IS&S 8/4/21	11 Nov 21 18:38
3	3	1111M23.D	1	0.5ug/L VOC STD 11/11/21	IS&S 8/4/21	11 Nov 21 19:07
4	4	1111M24.D	1	1ug/L VOC STD 11/11/21	IS&S 8/4/21	11 Nov 21 19:35
5	5	1111M25.D	1	2ug/L VOC STD 11/11/21	IS&S 8/4/21	11 Nov 21 20:03
6	6	1111M26.D	1	5ug/L VOC STD 11/11/21	IS&S 8/4/21	11 Nov 21 20:32
7	7	1111M27.D	1	10ug/L VOC STD 11/11/21	IS&S 8/4/21	11 Nov 21 21:00
8	8	1111M28.D	1	20ug/L VOC STD 11/11/21	IS&S 8/4/21	11 Nov 21 21:28
9	9	1111M29.D	1	40ug/L VOC STD 11/11/21	IS&S 8/4/21	11 Nov 21 21:57
10	10	1111M30.D	1	100ug/L VOC STD 11/11/21	IS&S 8/4/21	11 Nov 21 22:25
11	12	1111M32.D	1	(SS) 10ug/L VOC STD 11/11/21	IS&S 8/4/21	11 Nov 21 23:22

Injection Log

Directory: M:\MAX\DATA\211111\

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	1	1115M01.D	1	25ug/L BFB STD 10/29/21	IS&S 8/4/21	15 Nov 21 8:32
2	3	1115M03.D	1	211115A CCV/LCS 10ug/L	IS&S 8/4/21	15 Nov 21 9:28
3	4	1115M04.D	1	211115A LCSD 10ug/L	IS&S 8/4/21	15 Nov 21 9:57
4	8	1115M08.D	1	211115A BLK	IS&S 8/4/21	15 Nov 21 11:50
5	23	1115M23.D	1	BA46000W01	IS&S 8/4/21	15 Nov 21 18:56
6	24	1115M24.D	1	BA46001W01	IS&S 8/4/21	15 Nov 21 19:24
7	25	1115M25.D	1	Ending CCV 10ug/L 11/15/21	IS&S 8/4/21	15 Nov 21 19:52

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)																
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		
25																		
26																		
27																		
28																		
29																		
30																		
31																		
32																		
33																		
34																		
35																		

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\210825\0825M12.D
Acq On : 25 Aug 21 15:15
Sample : 0.3ug/L VOC STD 8/25/21
Misc : IS&S 6/4/21

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

Quant Time: Aug 26 16:25 2021 Quant Results File: M0825SUR.RES

Quant Method : M:\MAX\DATA\210825\M0825SUR.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 11:16:48 2021
Response via : Initial Calibration
DataAcq Meth : M8260_081021

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	6.21	96	268418	25.00 ppb	0.00
4) Chlorobenzene-D5 (IS)	9.41	117	221472	25.00 ppb	0.00
7) 1,4-Dichlorobenzene-D (IS)	11.75	152	137587	25.00 ppb	0.00
System Monitoring Compounds					
2) Dibromofluoromethane(S)	5.41	111	18913	5.84 ppb	0.00
Spiked Amount 25.000			Recovery =	23.372%	
3) 1,2-DCA-D4(S)	5.81	65	11779	5.54 ppb	0.00
Spiked Amount 25.000			Recovery =	22.148%	
5) Toluene-D8(S)	7.95	98	61590	5.93 ppb	0.00
Spiked Amount 25.000			Recovery =	23.720%	
6) 4-Bromofluorobenzene(S)	10.60	95	23749	5.86 ppb	0.00
Spiked Amount 25.000			Recovery =	23.444%	

Target Compounds Qvalue

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

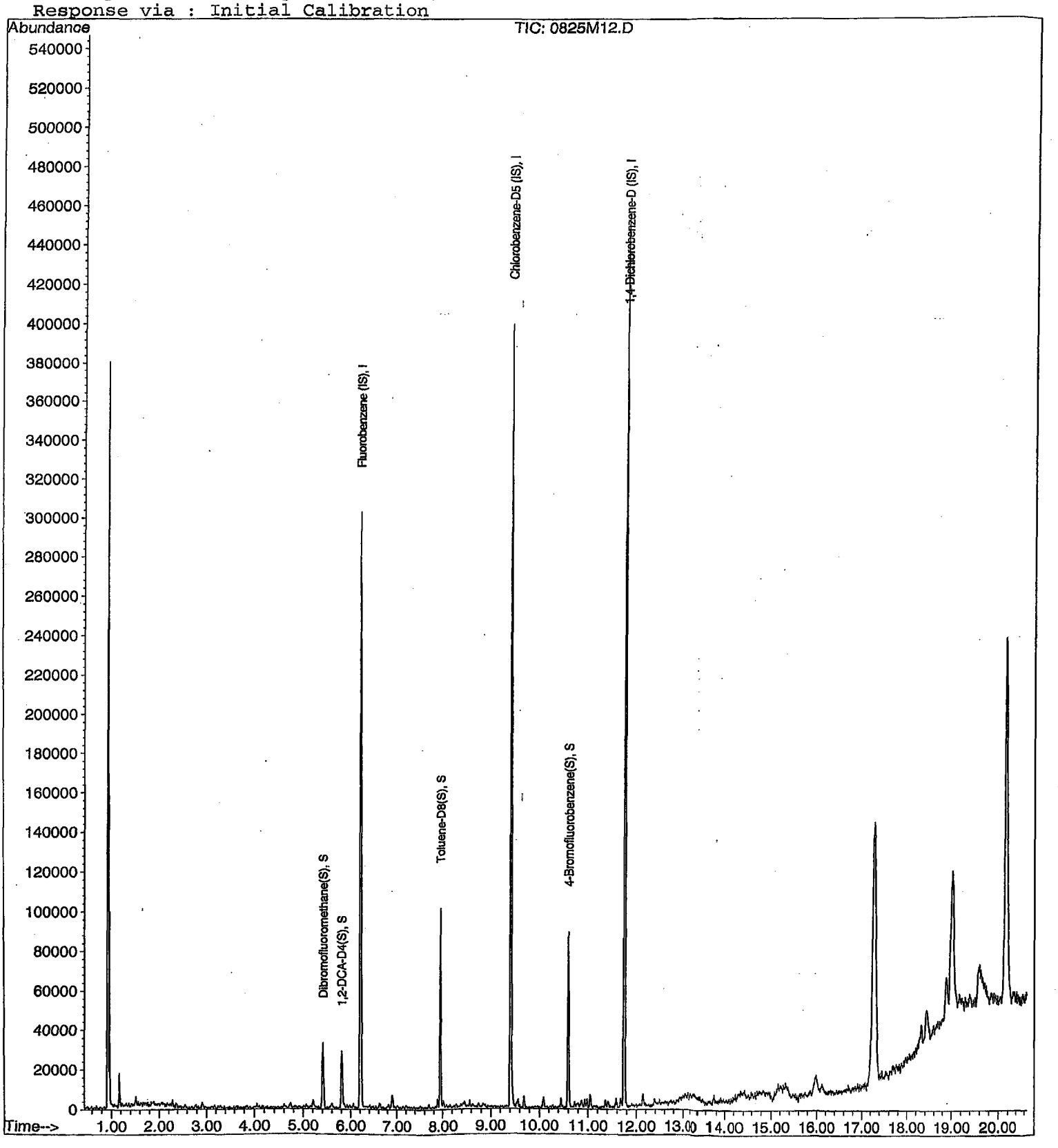
Quantitation Report

Data File : M:\MAX\DATA\210825\0825M12.D
Acq On : 25 Aug 21 15:15
Sample : 0.3ug/L VOC STD 8/25/21
Misc : IS&S 6/4/21

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

Quant Time: Aug 26 16:25 2021 Quant Results File: M0825SUR.RES

Method : M:\MAX\DATA\210825\M0825SUR.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 11:16:48 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\210825\0825M13.D Vial: 3
Acq On : 25 Aug 21 15:43 Operator: LP,DG,CH
Sample : 0.5ug/L VOC STD 8/25/21 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Aug 26 16:25 2021 Quant Results File: M0825SUR.RES

Quant Method : M:\MAX\DATA\210825\M0825SUR.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 11:16:48 2021
Response via : Initial Calibration
DataAcq Meth : M8260_081021

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	6.21	96	270425	25.00 ppb	0.00
4) Chlorobenzene-D5 (IS)	9.41	117	226950	25.00 ppb	0.00
7) 1,4-Dichlorobenzene-D (IS)	11.75	152	138629	25.00 ppb	0.00
System Monitoring Compounds					
2) Dibromofluoromethane(S)	5.42	111	18480	5.67 ppb	0.00
Spiked Amount 25.000			Recovery =	22.664%	
3) 1,2-DCA-D4(S)	5.81	65	11650	5.44 ppb	0.00
Spiked Amount 25.000			Recovery =	21.744%	
5) Toluene-D8(S)	7.95	98	60175	5.65 ppb	0.00
Spiked Amount 25.000			Recovery =	22.616%	
6) 4-Bromofluorobenzene(S)	10.60	95	23472	5.65 ppb	0.00
Spiked Amount 25.000			Recovery =	22.612%	

Target Compounds Qvalue

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

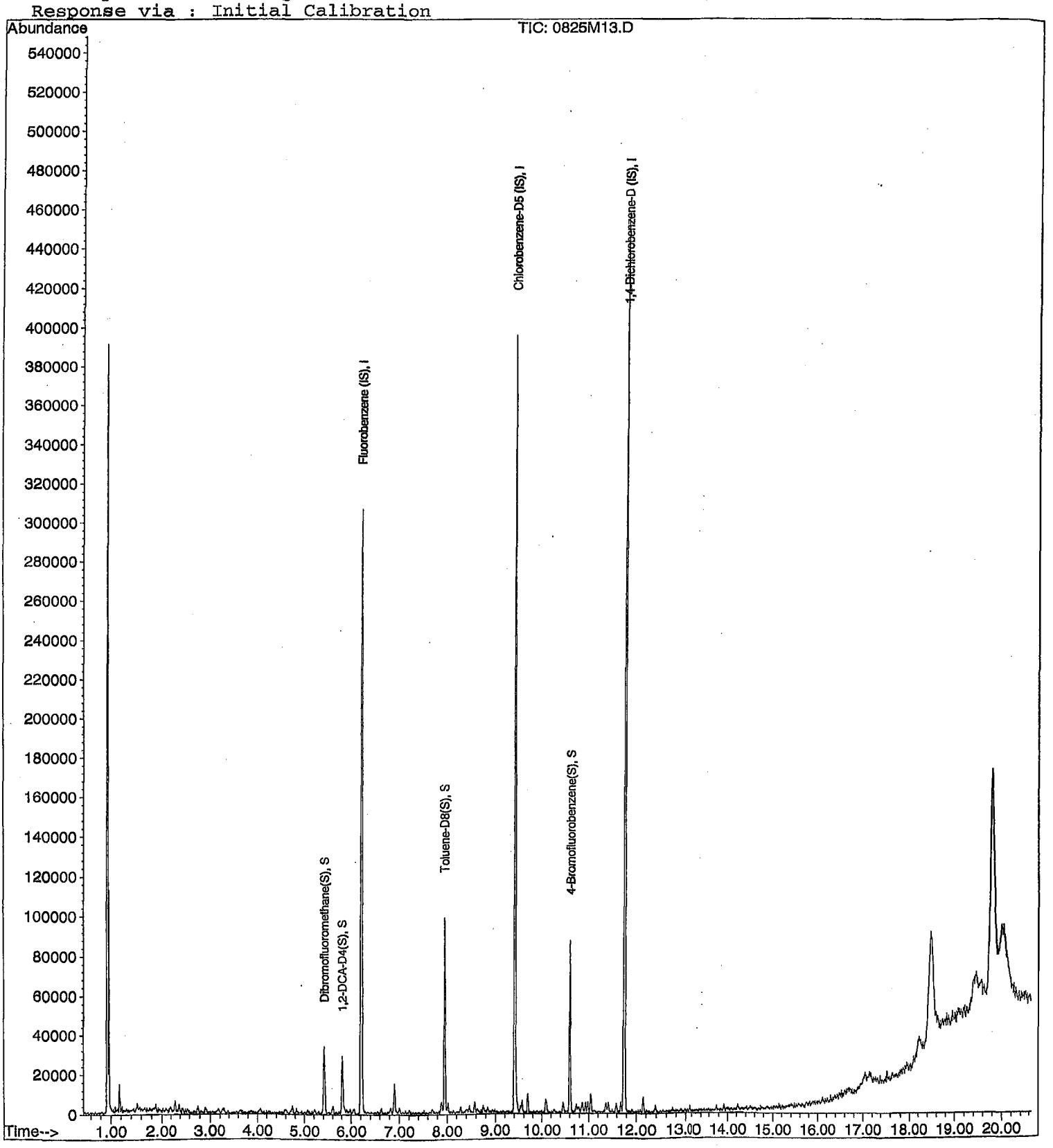
Quantitation Report

Data File : M:\MAX\DATA\210825\0825M13.D
Acq On : 25 Aug 21 15:43
Sample : 0.5ug/L VOC STD 8/25/21
Misc : IS&S 6/4/21

Vial: 3
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Aug 26 16:25 2021 Quant Results File: M0825SUR.RES

Method : M:\MAX\DATA\210825\M0825SUR.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 11:16:48 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\210825\0825M14.D Vial: 4
Acq On : 25 Aug 21 16:11 Operator: LP,DG,CH
Sample : 1ug/L VOC STD 8/25/21 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Aug 26 16:25 2021 Quant Results File: M0825SUR.RES

Quant Method : M:\MAX\DATA\210825\M0825SUR.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 11:16:48 2021
Response via : Initial Calibration
DataAcq Meth : M8260_081021

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.22	96	261019	25.00	ppb	0.00
4) Chlorobenzene-D5 (IS)	9.41	117	222702	25.00	ppb	0.00
7) 1,4-Dichlorobenzene-D (IS)	11.75	152	137225	25.00	ppb	0.00
System Monitoring Compounds						
2) Dibromofluoromethane(S)	5.41	111	29305	9.31	ppb	0.00
Spiked Amount 25.000			Recovery = 37.236%			
3) 1,2-DCA-D4(S)	5.81	65	19664	9.51	ppb	0.00
Spiked Amount 25.000			Recovery = 38.024%			
5) Toluene-D8(S)	7.95	98	102711	9.84	ppb	0.00
Spiked Amount 25.000			Recovery = 39.340%			
6) 4-Bromofluorobenzene(S)	10.60	95	36297	8.91	ppb	0.00
Spiked Amount 25.000			Recovery = 35.632%			

Target Compounds Qvalue

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

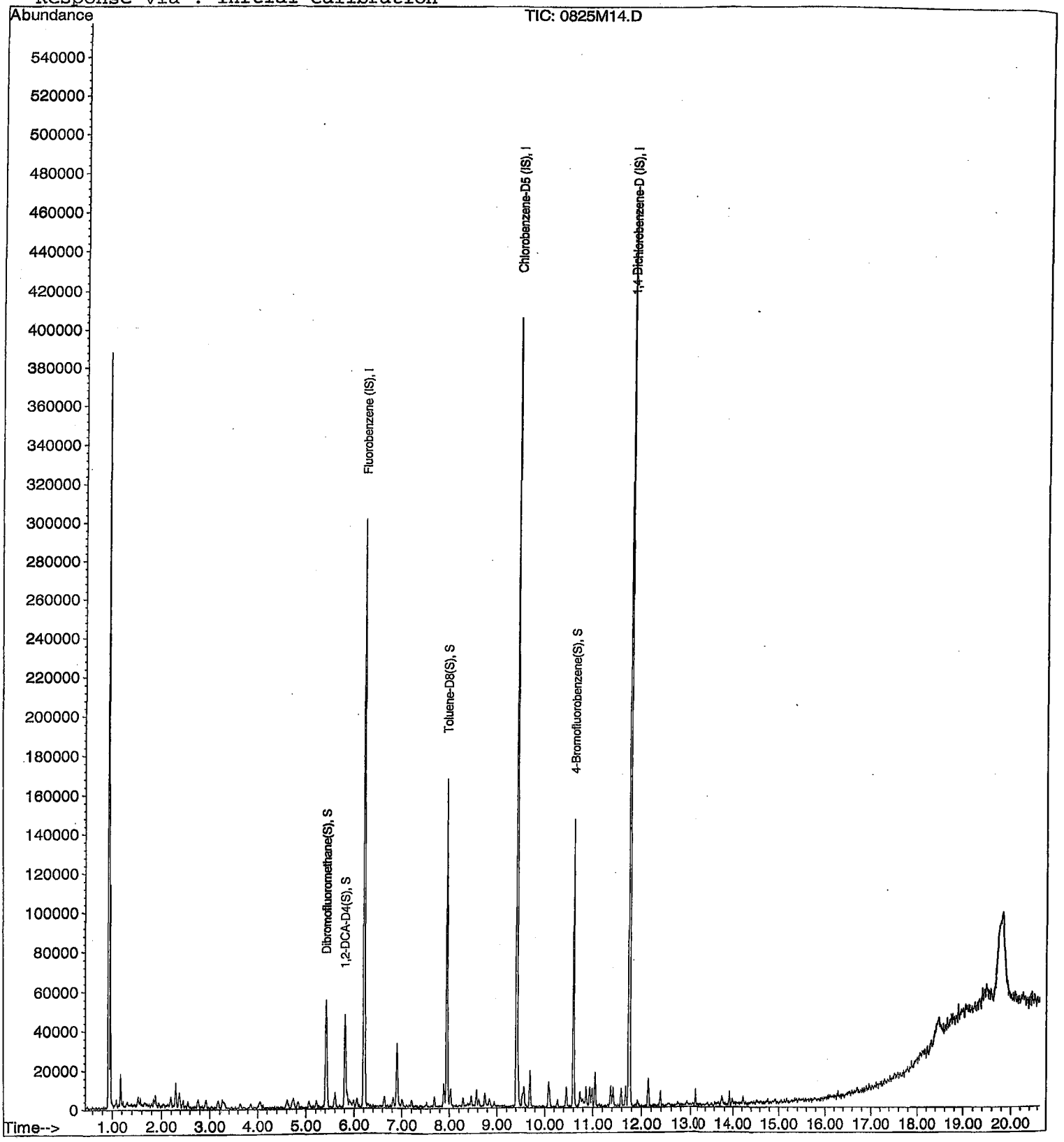
Quantitation Report

Data File : M:\MAX\DATA\210825\0825M14.D
Acq On : 25 Aug 21 16:11
Sample : 1ug/L VOC STD 8/25/21
Misc : IS&S 6/4/21

Vial: 4
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Aug 26 16:25 2021 Quant Results File: M0825SUR.RES

Method : M:\MAX\DATA\210825\M0825SUR.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 11:16:48 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\210825\0825M15.D
Acq On : 25 Aug 21 16:39
Sample : 2ug/L VOC STD 8/25/21
Misc : IS&S 6/4/21

Vial: 5
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Aug 26 16:25 2021 Quant Results File: M0825SUR.RES

Quant Method : M:\MAX\DATA\210825\M0825SUR.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 11:16:48 2021
Response via : Initial Calibration
DataAcq Meth : M8260_081021

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.21	96	260699	25.00	ppb	0.00
4) Chlorobenzene-D5 (IS)	9.42	117	218570	25.00	ppb	0.00
7) 1,4-Dichlorobenzene-D (IS)	11.75	152	137104	25.00	ppb	0.00
System Monitoring Compounds						
2) Dibromofluoromethane(S)	5.41	111	29818	9.48	ppb	0.00
Spiked Amount 25.000			Recovery = 37.936%			
3) 1,2-DCA-D4(S)	5.82	65	20128	9.74	ppb	0.00
Spiked Amount 25.000			Recovery = 38.968%			
5) Toluene-D8(S)	7.95	98	96059	9.37	ppb	0.00
Spiked Amount 25.000			Recovery = 37.488%			
6) 4-Bromofluorobenzene(S)	10.60	95	37545	9.39	ppb	0.00
Spiked Amount 25.000			Recovery = 37.556%			

Target Compounds Qvalue

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

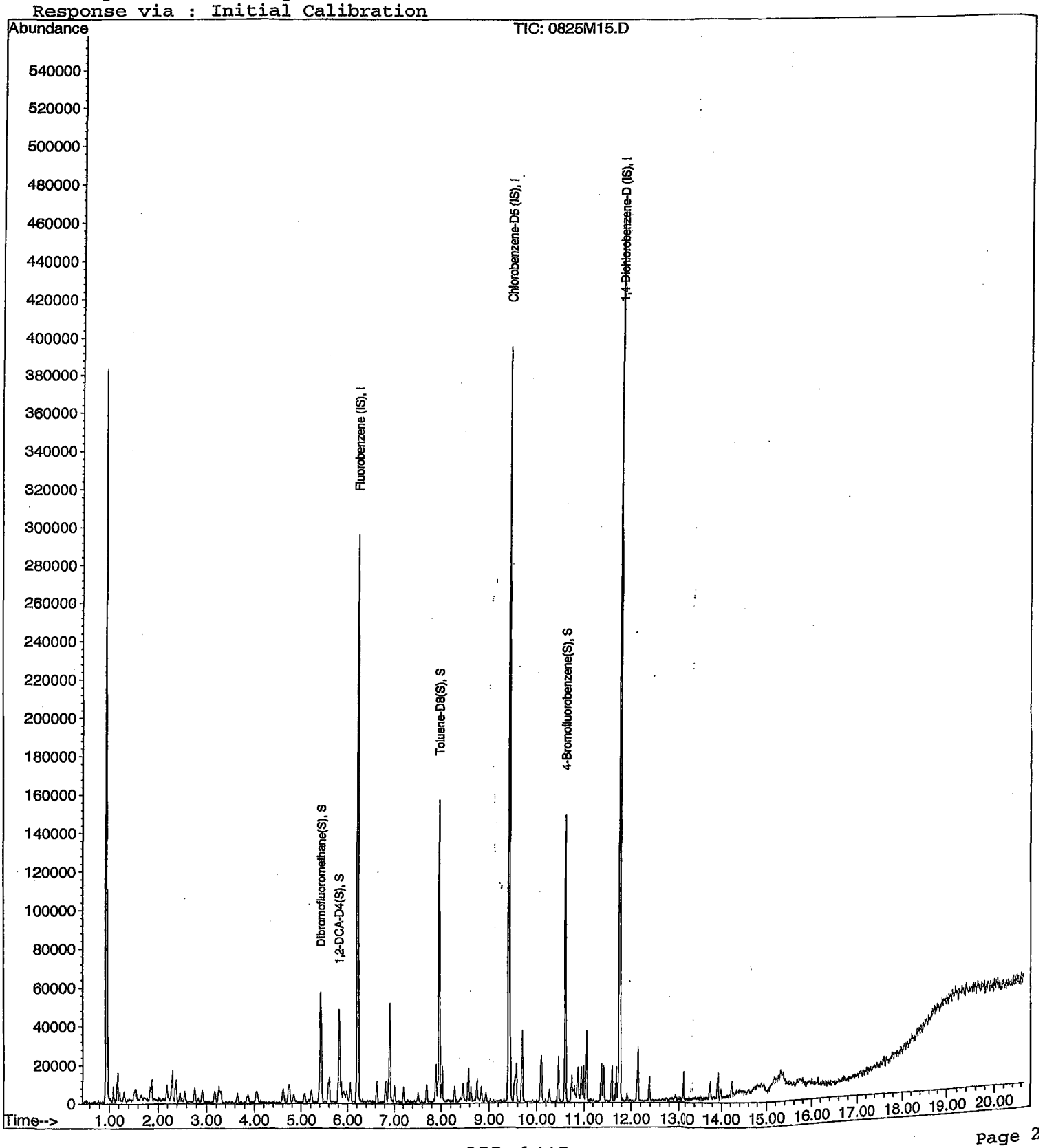
Quantitation Report

Data File : M:\MAX\DATA\210825\0825M15.D
Acq On : 25 Aug 21 16:39
Sample : 2ug/L VOC STD 8/25/21
Misc : IS&S 6/4/21

Vial: 5
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Aug 26 16:25 2021 Quant Results File: M0825SUR.RES

Method : M:\MAX\DATA\210825\M0825SUR.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 11:16:48 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\210825\0825M16.D Vial: 6
Acq On : 25 Aug 21 17:07 Operator: LP,DG,CH
Sample : 5ug/L VOC STD 8/25/21 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Aug 26 16:25 2021 Quant Results File: M0825SUR.RES

Quant Method : M:\MAX\DATA\210825\M0825SUR.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 11:16:48 2021
Response via : Initial Calibration
DataAcq Meth : M8260_081021

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	6.21	96	261599	25.00 ppb	0.00
4) Chlorobenzene-D5 (IS)	9.41	117	219379	25.00 ppb	0.00
7) 1,4-Dichlorobenzene-D (IS)	11.75	152	136215	25.00 ppb	0.00
System Monitoring Compounds					
2) Dibromofluoromethane(S)	5.41	111	75090	23.80 ppb	0.00
Spiked Amount 25.000			Recovery =	95.204%	
3) 1,2-DCA-D4(S)	5.81	65	51096	24.65 ppb	0.00
Spiked Amount 25.000			Recovery =	98.580%	
5) Toluene-D8(S)	7.95	98	252960	24.59 ppb	0.00
Spiked Amount 25.000			Recovery =	98.356%	
6) 4-Bromofluorobenzene(S)	10.60	95	101253	25.23 ppb	0.00
Spiked Amount 25.000			Recovery =	100.908%	

Target Compounds Qvalue

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

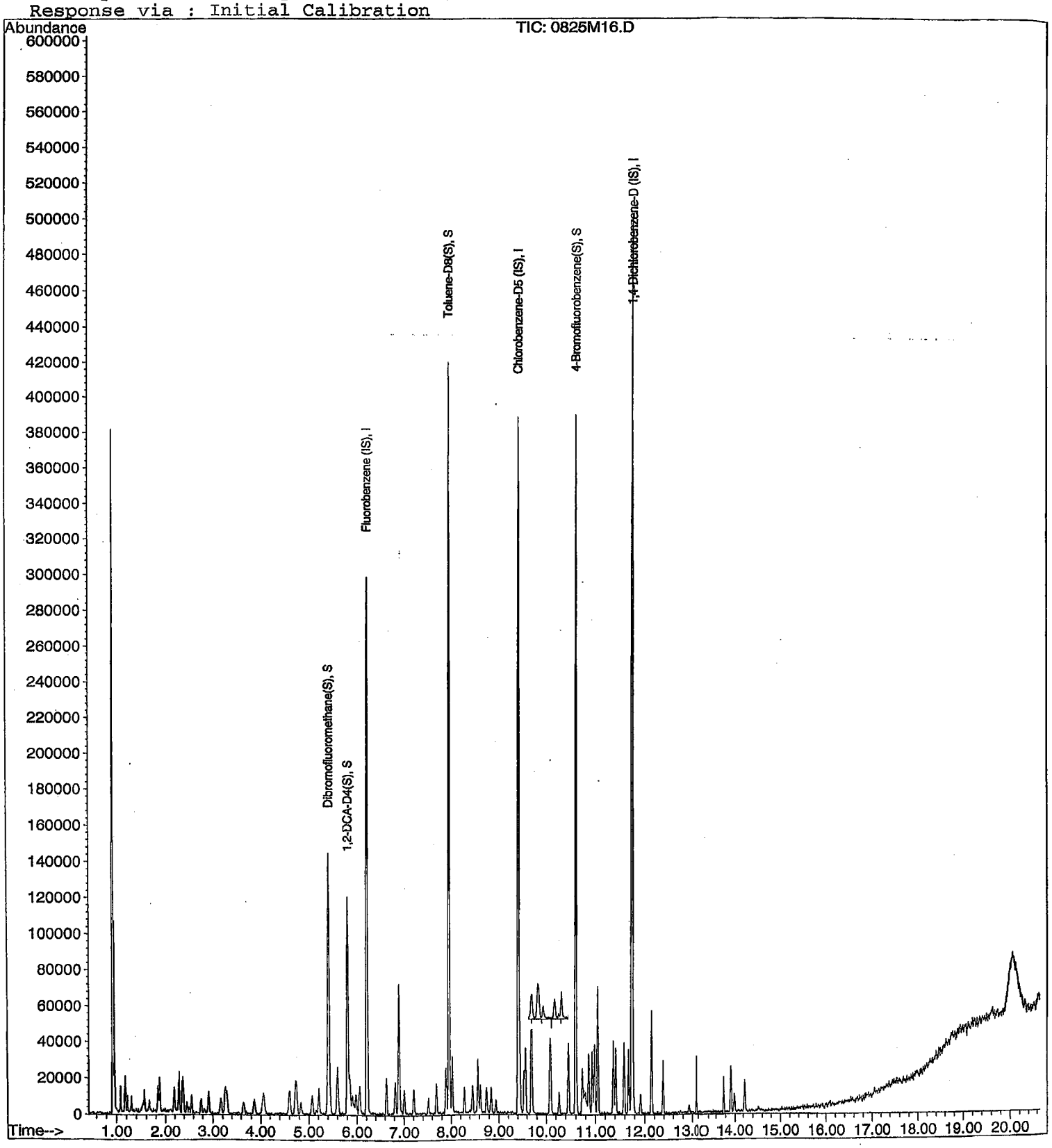
Quantitation Report

Data File : M:\MAX\DATA\210825\0825M16.D
Acq On : 25 Aug 21 17:07
Sample : 5ug/L VOC STD 8/25/21
Misc : IS&S 6/4/21

Vial: 6
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Aug 26 16:25 2021 Quant Results File: M0825SUR.RES

Method : M:\MAX\DATA\210825\M0825SUR.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 11:16:48 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\210825\0825M17.D Vial: 7
Acq On : 25 Aug 21 17:35 Operator: LP,DG,CH
Sample : 10ug/L VOC STD 8/25/21 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Aug 26 16:25 2021 Quant Results File: M0825SUR.RES

Quant Method : M:\MAX\DATA\210825\M0825SUR.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 11:16:48 2021
Response via : Initial Calibration
DataAcq Meth : M8260_081021

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.21	96	260876	25.00	ppb	0.00
4) Chlorobenzene-D5 (IS)	9.41	117	215380	25.00	ppb	0.00
7) 1,4-Dichlorobenzene-D (IS)	11.75	152	136295	25.00	ppb	0.00
System Monitoring Compounds						
2) Dibromofluoromethane(S)	5.42	111	77116	24.51	ppb	0.00
Spiked Amount 25.000			Recovery =	98.044%		
3) 1,2-DCA-D4(S)	5.82	65	49768	24.07	ppb	0.00
Spiked Amount 25.000			Recovery =	96.284%		
5) Toluene-D8(S)	7.95	98	250522	24.80	ppb	0.00
Spiked Amount 25.000			Recovery =	99.216%		
6) 4-Bromofluorobenzene(S)	10.60	95	100010	25.38	ppb	0.00
Spiked Amount 25.000			Recovery =	101.520%		

Target Compounds Qvalue

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

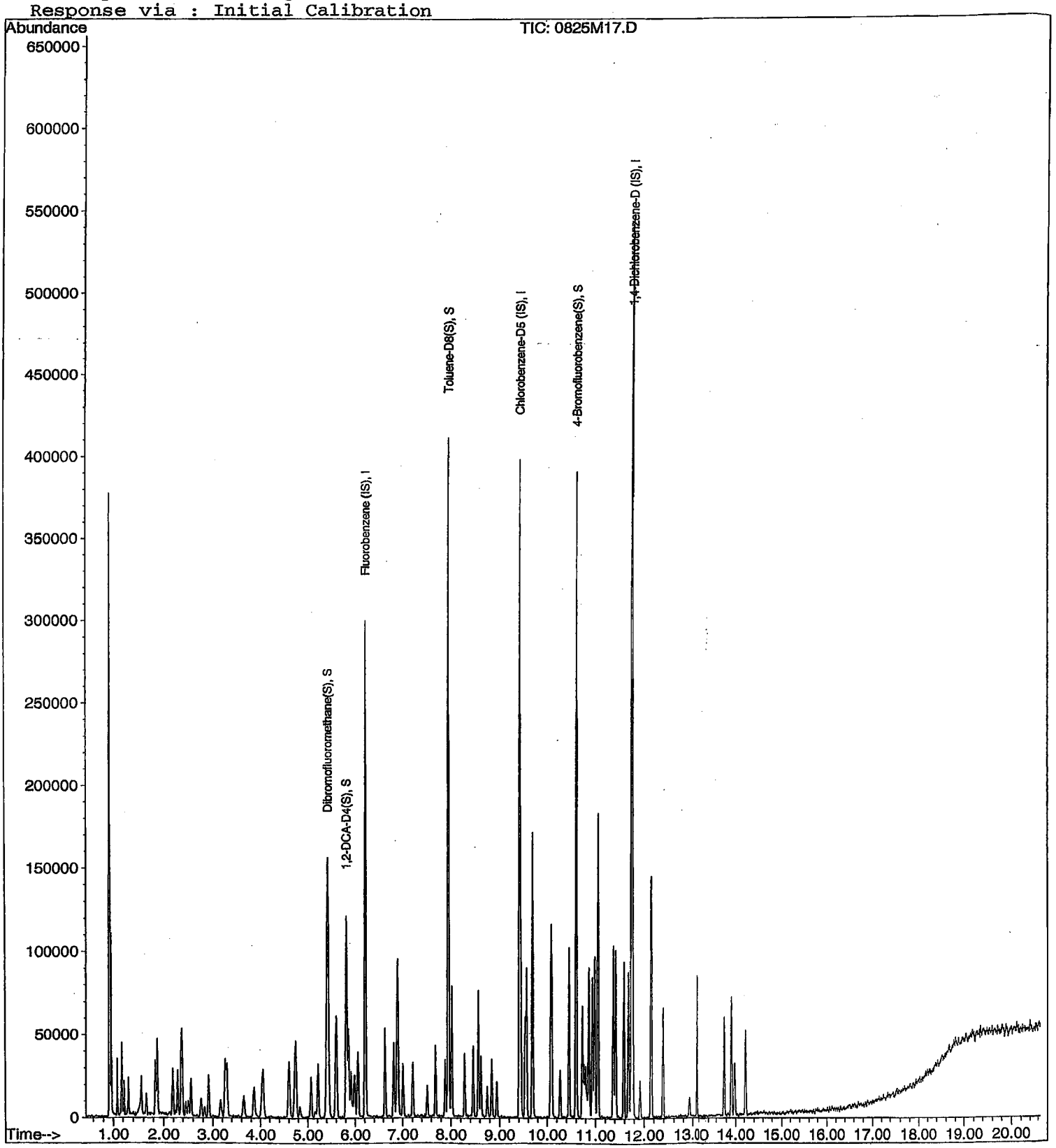
Quantitation Report

Data File : M:\MAX\DATA\210825\0825M17.D
Acq On : 25 Aug 21 17:35
Sample : 10ug/L VOC STD 8/25/21
Misc : IS&S 6/4/21

Vial: 7
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Aug 26 16:25 2021 Quant Results File: M0825SUR.RES

Method : M:\MAX\DATA\210825\M0825SUR.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 11:16:48 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\210825\0825M18.D Vial: 8
Acq On : 25 Aug 21 18:03 Operator: LP,DG,CH
Sample : 20ug/L VOC STD 8/25/21 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Aug 26 16:25 2021 Quant Results File: M0825SUR.RES

Quant Method : M:\MAX\DATA\210825\M0825SUR.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 11:16:48 2021
Response via : Initial Calibration
DataAcq Meth : M8260_081021

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	6.21	96	258006	25.00 ppb	0.00
4) Chlorobenzene-D5 (IS)	9.41	117	222674	25.00 ppb	0.00
7) 1,4-Dichlorobenzene-D (IS)	11.75	152	141752	25.00 ppb	0.00
System Monitoring Compounds					
2) Dibromofluoromethane(S)	5.42	111	153975	49.49 ppb	0.00
Spiked Amount 25.000			Recovery =	197.940%	
3) 1,2-DCA-D4(S)	5.81	65	102408	50.08 ppb	0.00
Spiked Amount 25.000			Recovery =	200.332%	
5) Toluene-D8(S)	7.95	98	499120	47.80 ppb	0.00
Spiked Amount 25.000			Recovery =	191.196%	
6) 4-Bromofluorobenzene(S)	10.60	95	195414	47.97 ppb	0.00
Spiked Amount 25.000			Recovery =	191.868%	

Target Compounds Qvalue

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

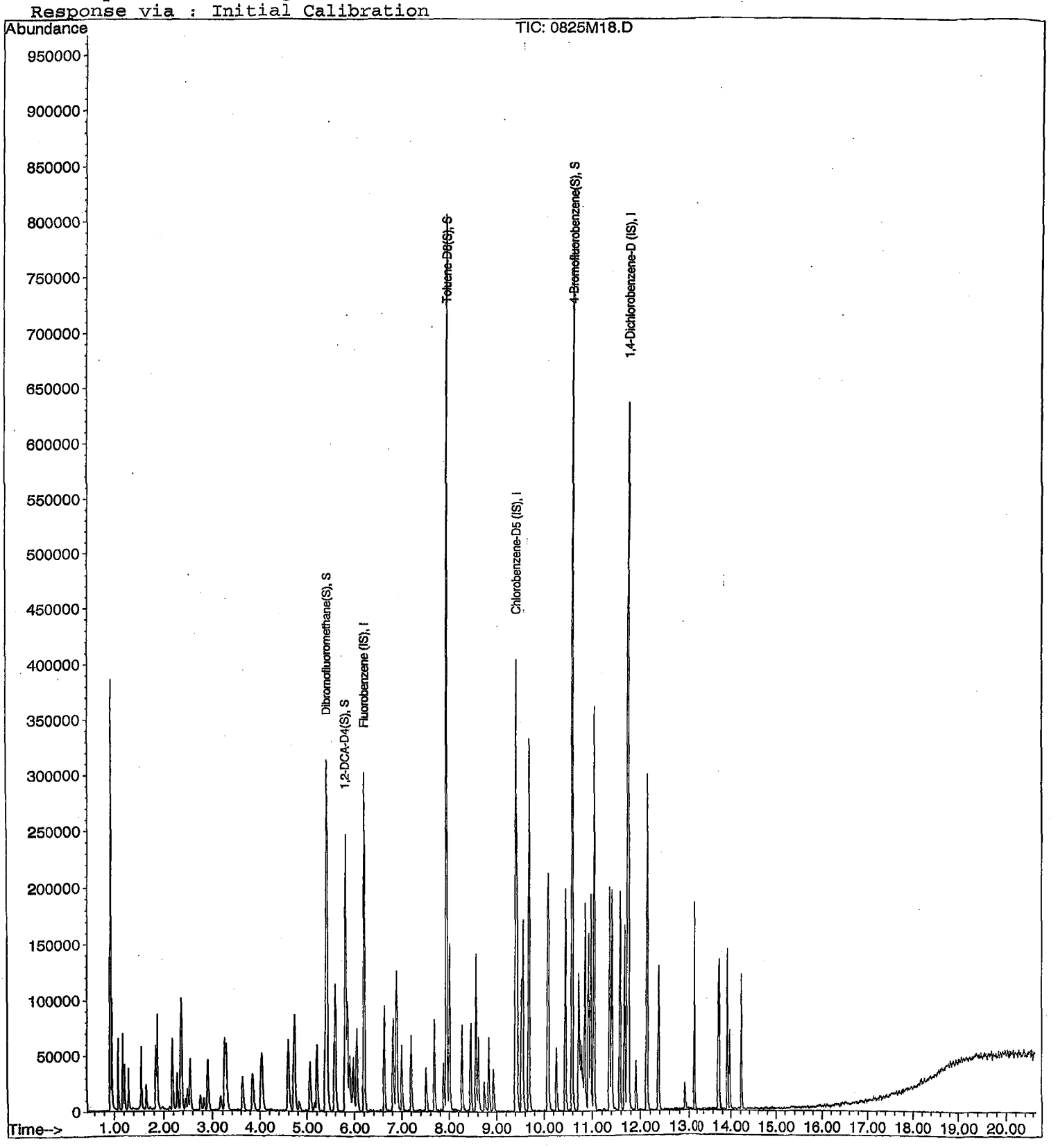
Quantitation Report

Data File : M:\MAX\DATA\210825\0825M18.D
Acq On : 25 Aug 21 18:03
Sample : 20ug/L VOC STD 8/25/21
Misc : IS&S 6/4/21

Vial: 8
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Aug 26 16:25 2021 Quant Results File: M0825SUR.RES

Method : M:\MAX\DATA\210825\M0825SUR.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 11:16:48 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\210825\0825M19.D
Acq On : 25 Aug 21 18:31
Sample : 40ug/L VOC STD 8/25/21
Misc : IS&S 6/4/21

Vial: 9
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Aug 26 16:25 2021 Quant Results File: M0825SUR.RES

Quant Method : M:\MAX\DATA\210825\M0825SUR.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 11:16:48 2021
Response via : Initial Calibration
DataAcq Meth : M8260_081021

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.21	96	251853	25.00	ppb	0.00
4) Chlorobenzene-D5 (IS)	9.41	117	216925	25.00	ppb	0.00
7) 1,4-Dichlorobenzene-D (IS)	11.75	152	140689	25.00	ppb	0.00
System Monitoring Compounds						
2) Dibromofluoromethane(S)	5.41	111	151584	49.91	ppb	0.00
Spiked Amount 25.000			Recovery = 199.628%			
3) 1,2-DCA-D4(S)	5.81	65	102456	51.33	ppb	0.00
Spiked Amount 25.000			Recovery = 205.320%			
5) Toluene-D8(S)	7.95	98	486936	47.87	ppb	0.00
Spiked Amount 25.000			Recovery = 191.472%			
6) 4-Bromofluorobenzene(S)	10.60	95	195822	49.34	ppb	0.00
Spiked Amount 25.000			Recovery = 197.364%			

Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration
0825M19.D M0825SUR.M Fri Oct 15 06:36:11 2021

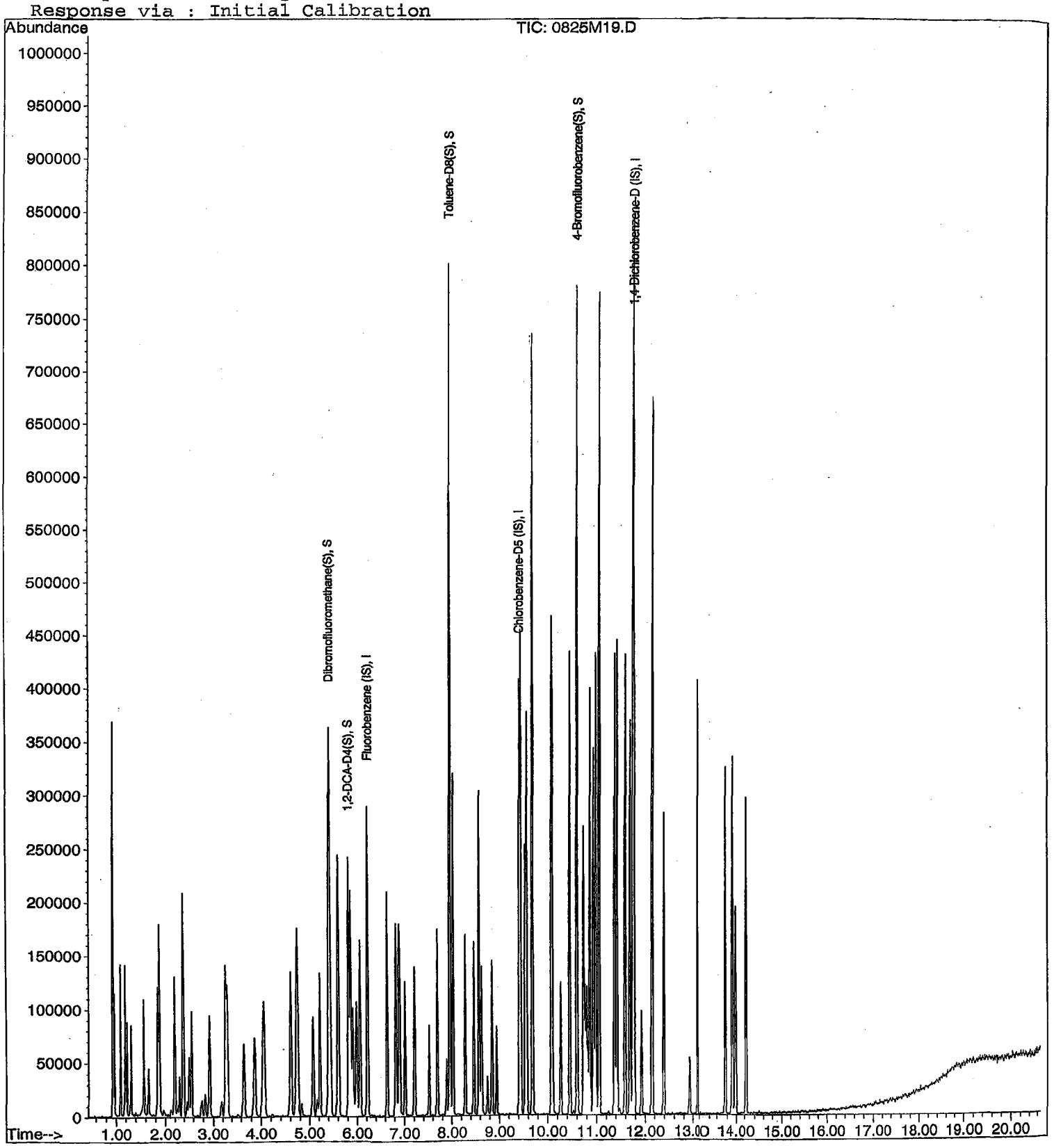
Quantitation Report

Data File : M:\MAX\DATA\210825\0825M19.D
Acq On : 25 Aug 21 18:31
Sample : 40ug/L VOC STD 8/25/21
Misc : IS&S 6/4/21

Vial: 9
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Aug 26 16:25 2021 Quant Results File: M0825SUR.RES

Method : M:\MAX\DATA\210825\M0825SUR.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 11:16:48 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\210825\0825M20.D
Acq On : 25 Aug 21 18:59
Sample : 100ug/L VOC STD 8/25/21
Misc : IS&S 6/4/21

Vial: 10
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Aug 26 16:25 2021 Quant Results File: M0825SUR.RES

Quant Method : M:\MAX\DATA\210825\M0825SUR.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 11:16:48 2021
Response via : Initial Calibration
DataAcq Meth : M8260_081021

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.21	96	251268	25.00	ppb	0.00
4) Chlorobenzene-D5 (IS)	9.41	117	218191	25.00	ppb	0.00
7) 1,4-Dichlorobenzene-D (IS)	11.75	152	142788	25.00	ppb	0.00
System Monitoring Compounds						
2) Dibromofluoromethane(S)	5.42	111	272268	89.85	ppb	0.00
Spiked Amount 25.000			Recovery = 359.396%			
3) 1,2-DCA-D4(S)	5.81	65	179968	90.37	ppb	0.00
Spiked Amount 25.000			Recovery = 361.496%			
5) Toluene-D8(S)	7.95	98	893556	87.33	ppb	0.00
Spiked Amount 25.000			Recovery = 349.324%			
6) 4-Bromofluorobenzene(S)	10.60	95	358053	89.70	ppb	0.00
Spiked Amount 25.000			Recovery = 358.780%			

Target Compounds Qvalue

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

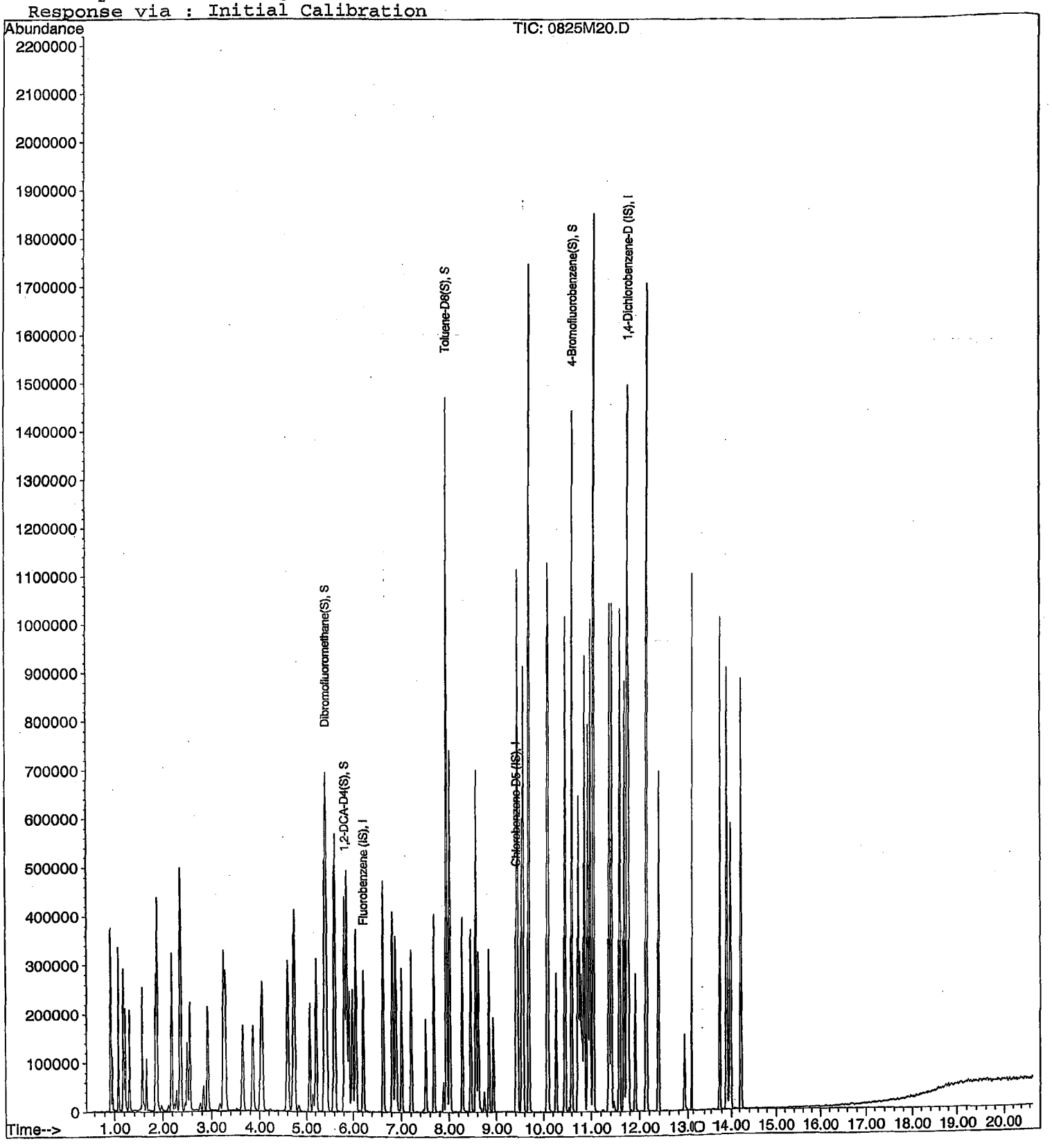
Quantitation Report

Data File : M:\MAX\DATA\210825\0825M20.D
Acq On : 25 Aug 21 18:59
Sample : 100ug/L VOC STD 8/25/21
Misc : IS&S 6/4/21

Vial: 10
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Aug 26 16:25 2021 Quant Results File: M0825SUR.RES

Method : M:\MAX\DATA\210825\M0825SUR.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 11:16:48 2021
Response via : Initial Calibration



VOLATILE ORGANIC ANALYSIS
VOLATILE ORGANIC COMPOUNDS

Form 6
Initial Calibration

Lab Name: APPL, Inc. SDG No:
Case No: Initial Cal. Date: 8/25/2021
Matrix: Instrument: Max
Initials:

			0825M23.D	0825M24.D	0825M25.D	0825M26.D	0825M27.D	0825M28.D	0825M29.D									
	Compound		1	2	3	4	5	6	7				Avg	%RSD	Type	r^2	Q	MRF
1	I	Fluorobenzene (IS)																
2	TMHBL	Gasoline C6-C10	13.8	5.689	3.019	1.290	0.8206	0.7117	0.6349				3.7	130	TMHB	0.999		
3	TMHB	Chlorobenzene-D5 (IS)																
4	TMHB	1,4-Dichlorobenzene (IS)																
5																		
6																		
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		
25																		
26																		
27																		
28																		
29																		
30																		
31																		
32																		
33																		
34																		
35																		

Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\210825\0825M23.D
Acq On : 25 Aug 21 20:23
Sample : 20ug/L GAS STD 8/25/21
Misc : IS&S 6/4/21

Vial: 13
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Aug 26 16:15 2021 Quant Results File: MGAS0825.RES

Quant Method : M:\MAX\DATA\210825\MGAS0825.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 16:13:10 2021
Response via : Initial Calibration
DataAcq Meth : M8260_081021

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.21	TIC	284811	25.00	ppb	0.00
3) Chlorobenzene-D5 (IS)	11.75	TIC	236410m	25.00	ppb	0.00
4) 1,4-Dichlorobenzene (IS)	10.94	TIC	14670m	25.00	ppb	0.00
System Monitoring Compounds						
Target Compounds						Qvalue
2) Gasoline C6-C10	7.95	TIC	3136582m	38.03	ppb	100

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

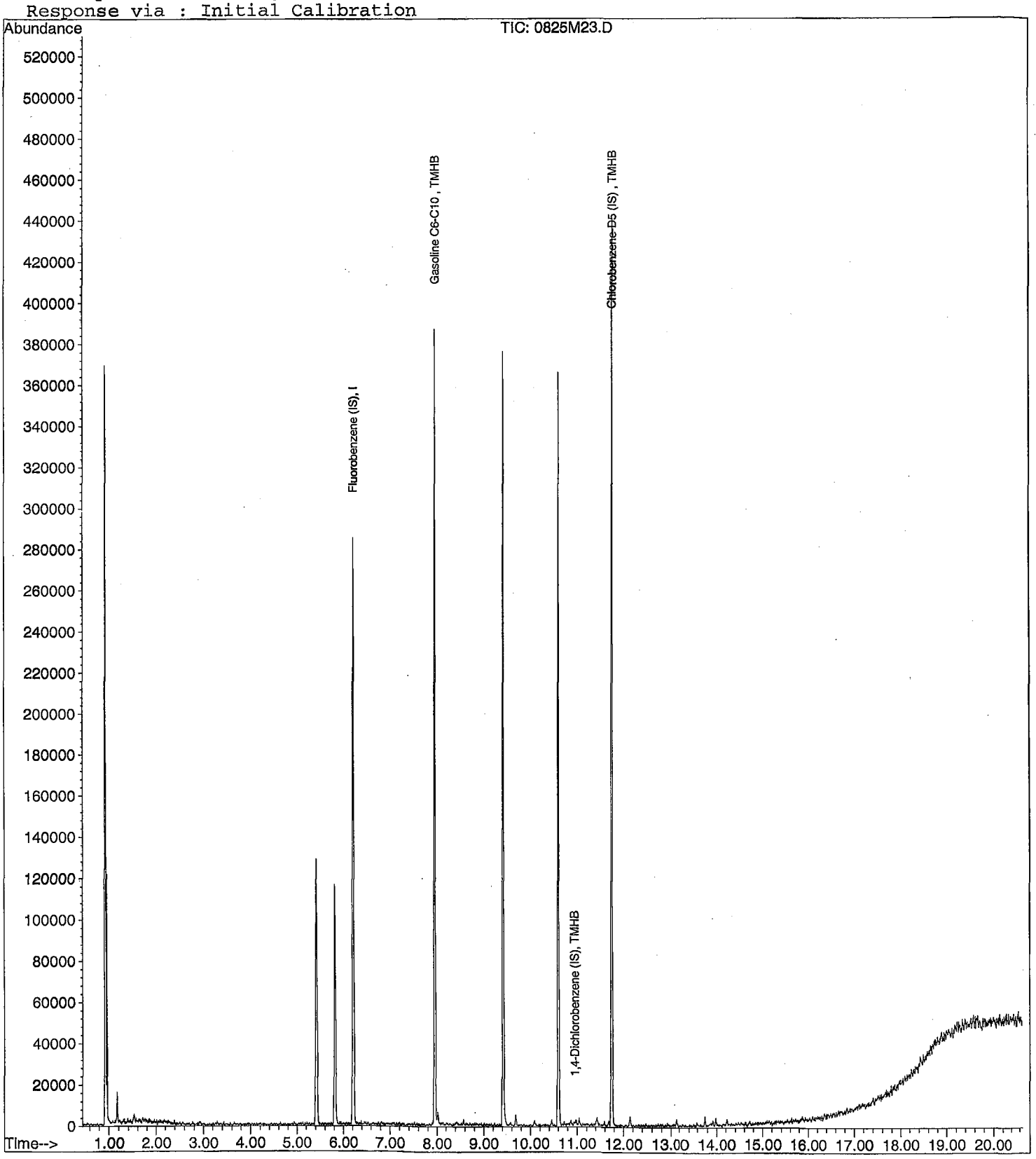
Quantitation Report

Data File : M:\MAX\DATA\210825\0825M23.D
Acq On : 25 Aug 21 20:23
Sample : 20ug/L GAS STD 8/25/21
Misc : IS&S 6/4/21

Vial: 13
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Aug 26 16:15 2021 Quant Results File: MGAS0825.RES

Method : M:\MAX\DATA\210825\MGAS0825.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 16:19:36 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\210825\0825M24.D Vial: 14
Acq On : 25 Aug 21 20:51 Operator: LP,DG,CH
Sample : 50ug/L GAS STD 8/25/21 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Aug 26 16:15 2021 Quant Results File: MGAS0825.RES

Quant Method : M:\MAX\DATA\210825\MGAS0825.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 16:13:10 2021
Response via : Initial Calibration
DataAcq Meth : M8260_081021

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	6.21	TIC	285081	25.00 ppb	0.00
3) Chlorobenzene-D5 (IS)	11.75	TIC	248593m	25.00 ppb	0.00
4) 1,4-Dichlorobenzene (IS)	10.94	TIC	21251m	25.00 ppb	0.00
System Monitoring Compounds					
Target Compounds					Qvalue
2) Gasoline C6-C10	7.95	TIC	3243874m	61.97 ppb	100

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

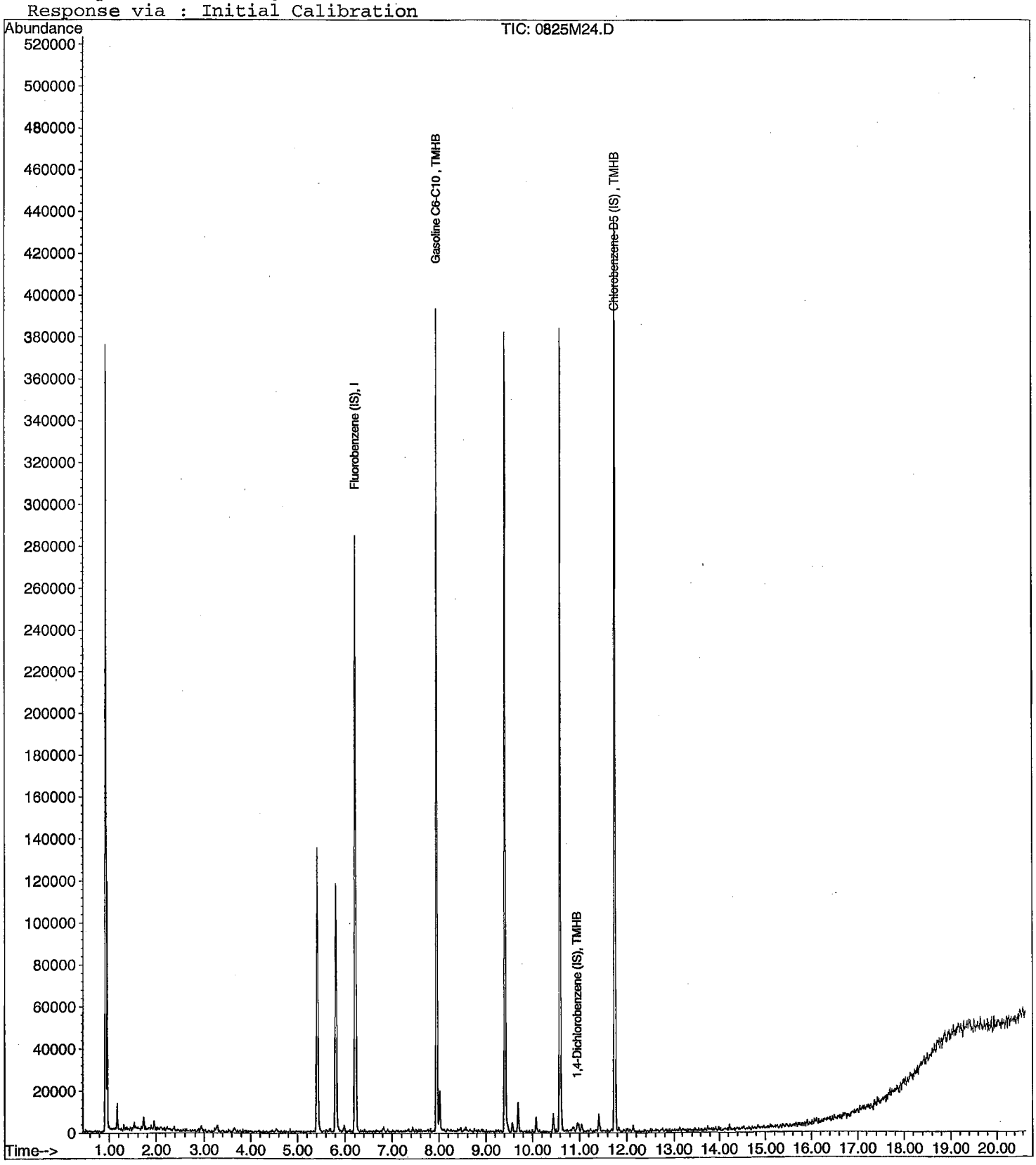
Quantitation Report

Data File : M:\MAX\DATA\210825\0825M24.D
Acq On : 25 Aug 21 20:51
Sample : 50ug/L GAS STD 8/25/21
Misc : IS&S 6/4/21

Vial: 14
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Aug 26 16:15 2021 Quant Results File: MGAS0825.RES

Method : M:\MAX\DATA\210825\MGAS0825.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 16:19:36 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\210825\0825M25.D Vial: 15
Acq On : 25 Aug 21 21:19 Operator: LP,DG,CH
Sample : 100ug/L GAS STD 8/25/21 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Aug 26 16:16 2021 Quant Results File: MGAS0825.RES

Quant Method : M:\MAX\DATA\210825\MGAS0825.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 16:13:10 2021
Response via : Initial Calibration
DataAcq Meth : M8260_081021

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	6.21	TIC	286586	25.00 ppb	0.00
3) Chlorobenzene-D5 (IS)	11.75	TIC	245880m	25.00 ppb	0.00
4) 1,4-Dichlorobenzene (IS)	10.94	TIC	32801m	25.00 ppb	0.00
System Monitoring Compounds					
Target Compounds					Qvalue
2) Gasoline C6-C10	7.95	TIC	3460677m	107.56 ppb	100

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

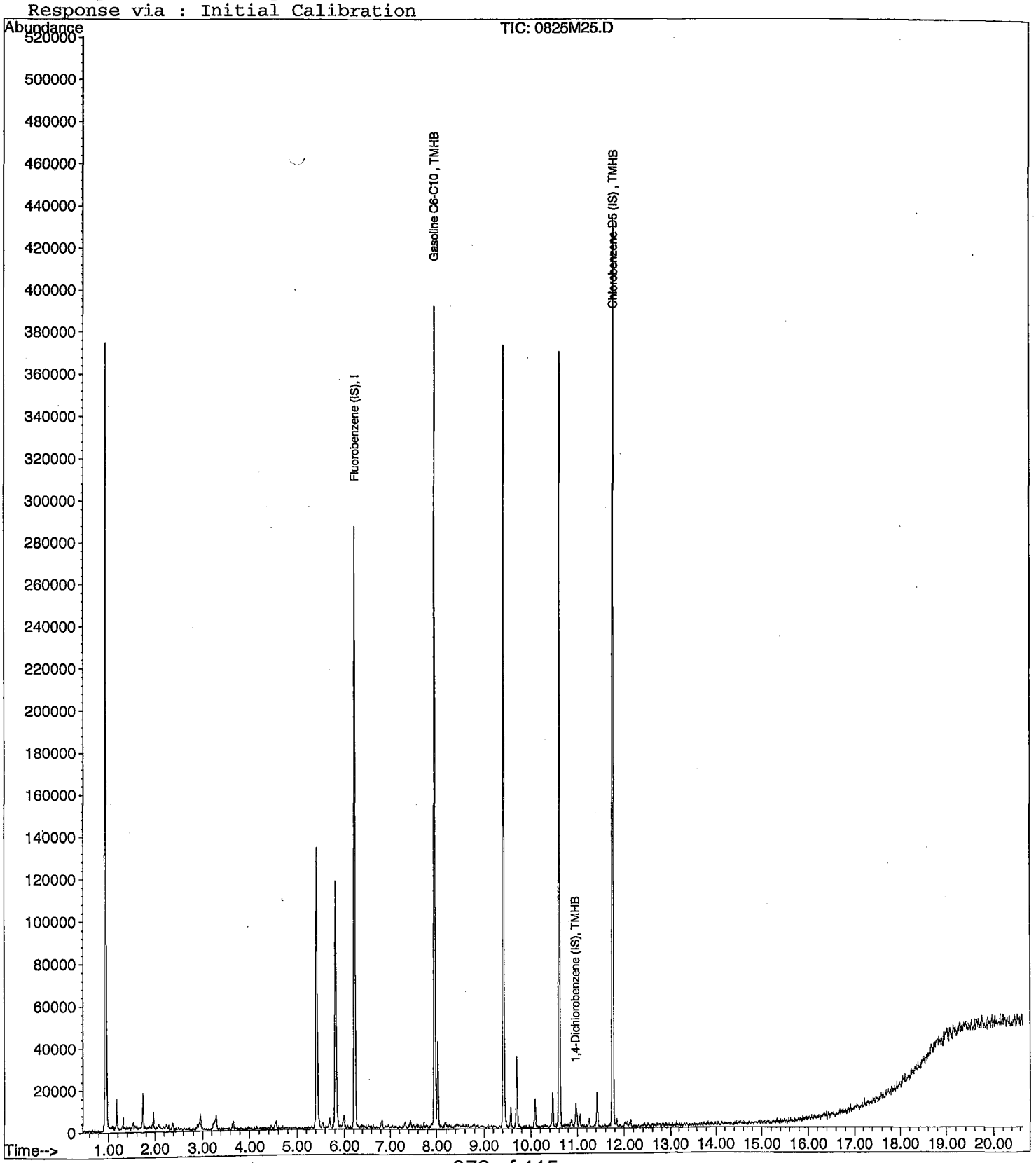
Quantitation Report

Data File : M:\MAX\DATA\210825\0825M25.D
Acq On : 25 Aug 21 21:19
Sample : 100ug/L GAS STD 8/25/21
Misc : IS&S 6/4/21

Vial: 15
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Aug 26 16:16 2021 Quant Results File: MGAS0825.RES

Method : M:\MAX\DATA\210825\MGAS0825.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 16:19:36 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\210825\0825M26.D Vial: 16
Acq On : 25 Aug 21 21:47 Operator: LP,DG,CH
Sample : 300ug/L GAS STD 8/25/21 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Aug 26 16:16 2021 Quant Results File: MGAS0825.RES

Quant Method : M:\MAX\DATA\210825\MGAS0825.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 16:13:10 2021
Response via : Initial Calibration
DataAcq Meth : M8260_081021

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.21	TIC	280163	25.00	ppb	0.00
3) Chlorobenzene-D5 (IS)	11.75	TIC	264646m	25.00	ppb	0.00
4) 1,4-Dichlorobenzene (IS)	10.94	TIC	87973m	25.00	ppb	0.00
System Monitoring Compounds						
Target Compounds						Qvalue
2) Gasoline C6-C10	7.95	TIC	4335414m	329.97	ppb	100

(#) = qualifier out of range (m) = manual integration
0825M26.D MGAS0825.M Fri Oct 15 06:06:52 2021

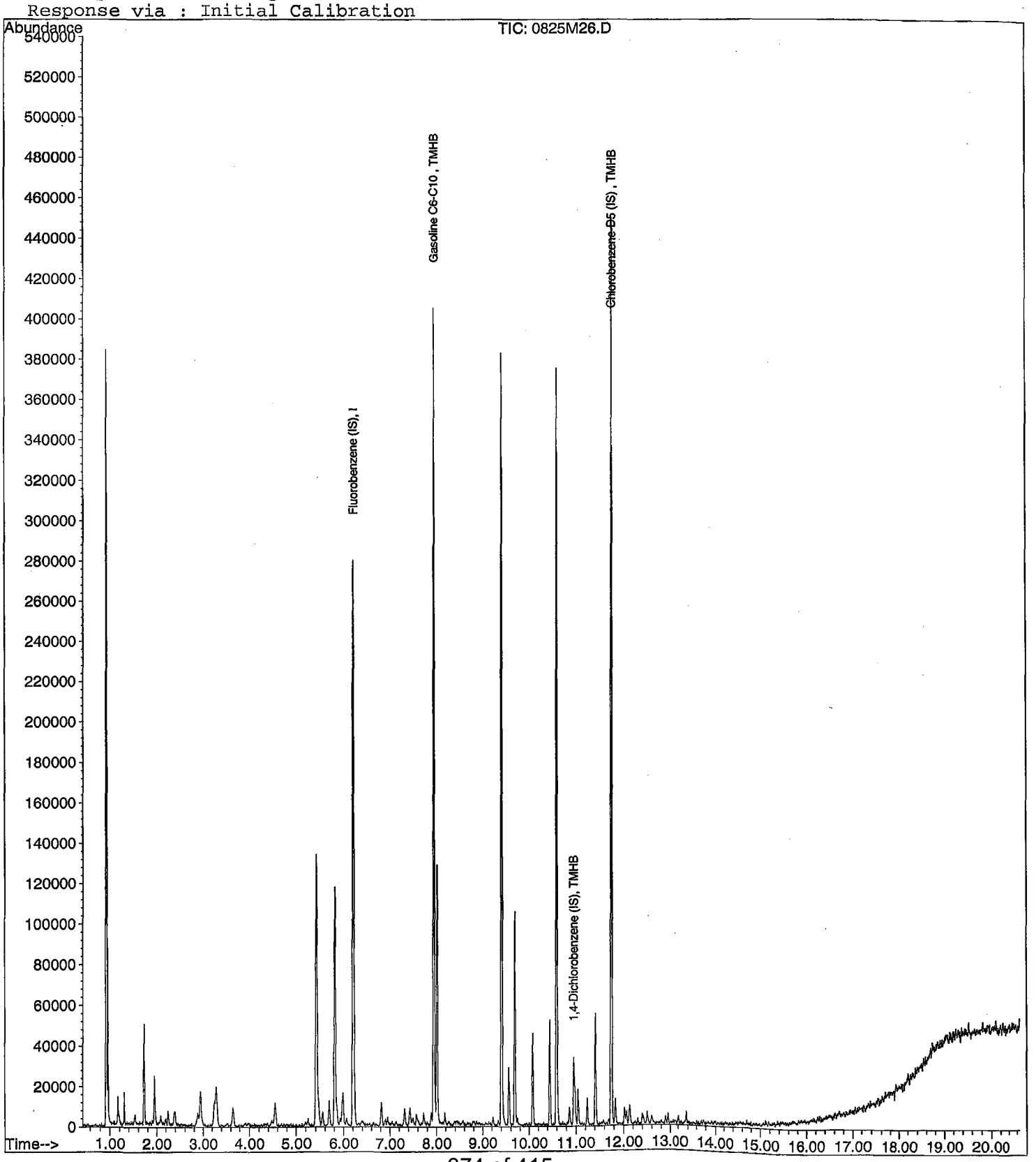
Quantitation Report

Data File : M:\MAX\DATA\210825\0825M26.D
Acq On : 25 Aug 21 21:47
Sample : 300ug/L GAS STD 8/25/21
Misc : IS&S 6/4/21

Vial: 16
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Aug 26 16:16 2021 Quant Results File: MGAS0825.RES

Method : M:\MAX\DATA\210825\MGAS0825.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 16:19:36 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\210825\0825M27.D Vial: 17
Acq On : 25 Aug 21 22:14 Operator: LP,DG,CH
Sample : 600ug/L GAS STD 8/25/21 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Aug 26 16:18 2021 Quant Results File: MGAS0825.RES

Quant Method : M:\MAX\DATA\210825\MGAS0825.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 16:13:10 2021
Response via : Initial Calibration
DataAcq Meth : M8260_081021

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.21	TIC	283991	25.00	ppb	0.00
3) Chlorobenzene-D5 (IS)	11.75	TIC	290103m	25.00	ppb	0.00
4) 1,4-Dichlorobenzene (IS)	10.94	TIC	180429m	25.00	ppb	0.00
System Monitoring Compounds						
Target Compounds						Qvalue
2) Gasoline C6-C10	7.95	TIC	5593097m	606.10	ppb	100

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

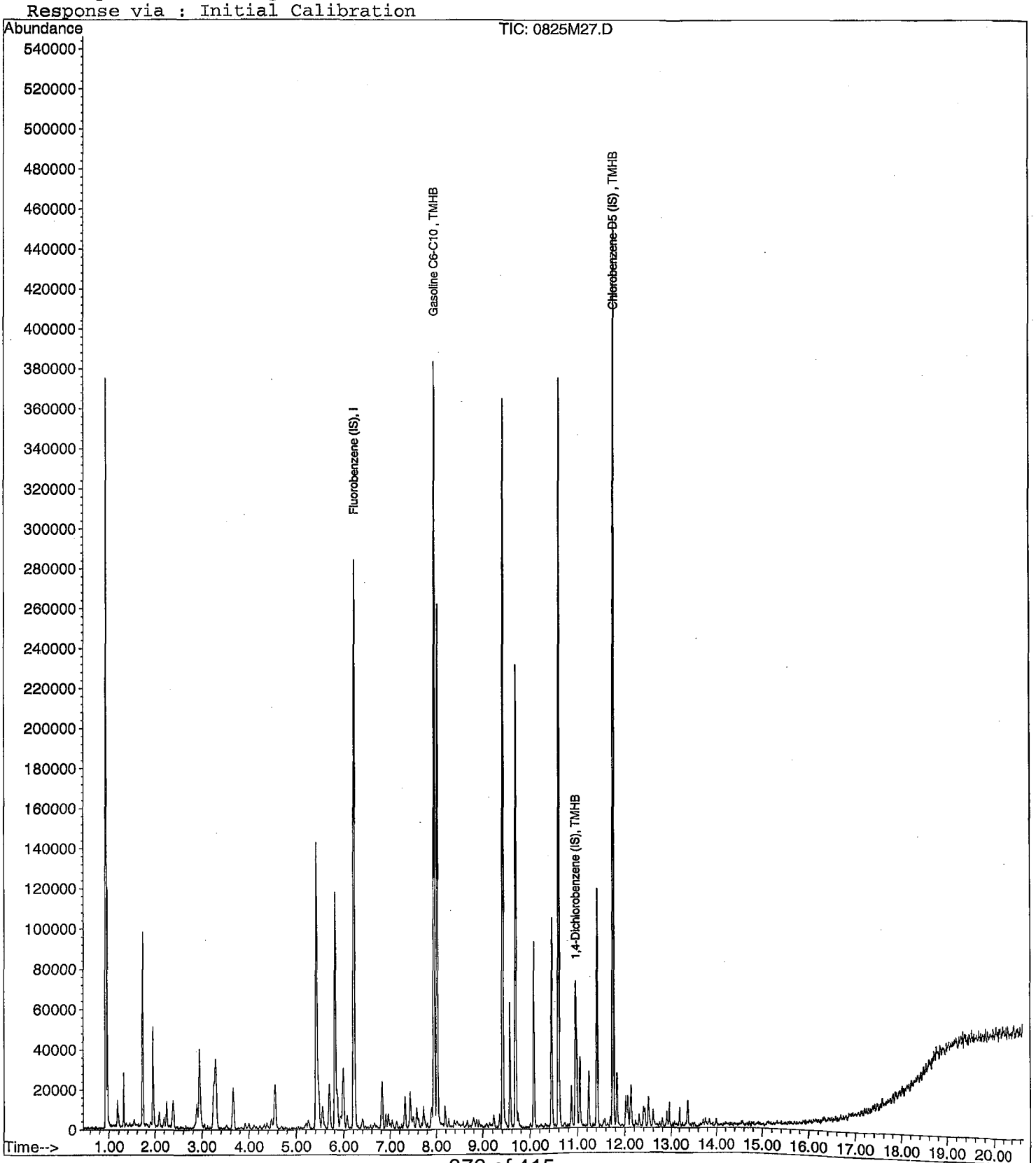
Quantitation Report

Data File : M:\MAX\DATA\210825\0825M27.D
Acq On : 25 Aug 21 22:14
Sample : 600ug/L GAS STD 8/25/21
Misc : IS&S 6/4/21

Vial: 17
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Aug 26 16:18 2021 Quant Results File: MGAS0825.RES

Method : M:\MAX\DATA\210825\MGAS0825.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 16:19:36 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\210825\0825M28.D Vial: 18
Acq On : 25 Aug 21 22:42 Operator: LP,DG,CH
Sample : 800ug/L GAS STD 8/25/21 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Aug 26 16:18 2021 Quant Results File: MGAS0825.RES

Quant Method : M:\MAX\DATA\210825\MGAS0825.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 16:13:10 2021
Response via : Initial Calibration
DataAcq Meth : M8260_081021

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.21	TIC	288929	25.00	ppb	0.00
3) Chlorobenzene-D5 (IS)	11.75	TIC	313031m	25.00	ppb	0.00
4) 1,4-Dichlorobenzene (IS)	10.94	TIC	240514m	25.00	ppb	0.00
System Monitoring Compounds						
Target Compounds						Qvalue
2) Gasoline C6-C10	7.95	TIC	6580092m	807.60	ppb	100

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

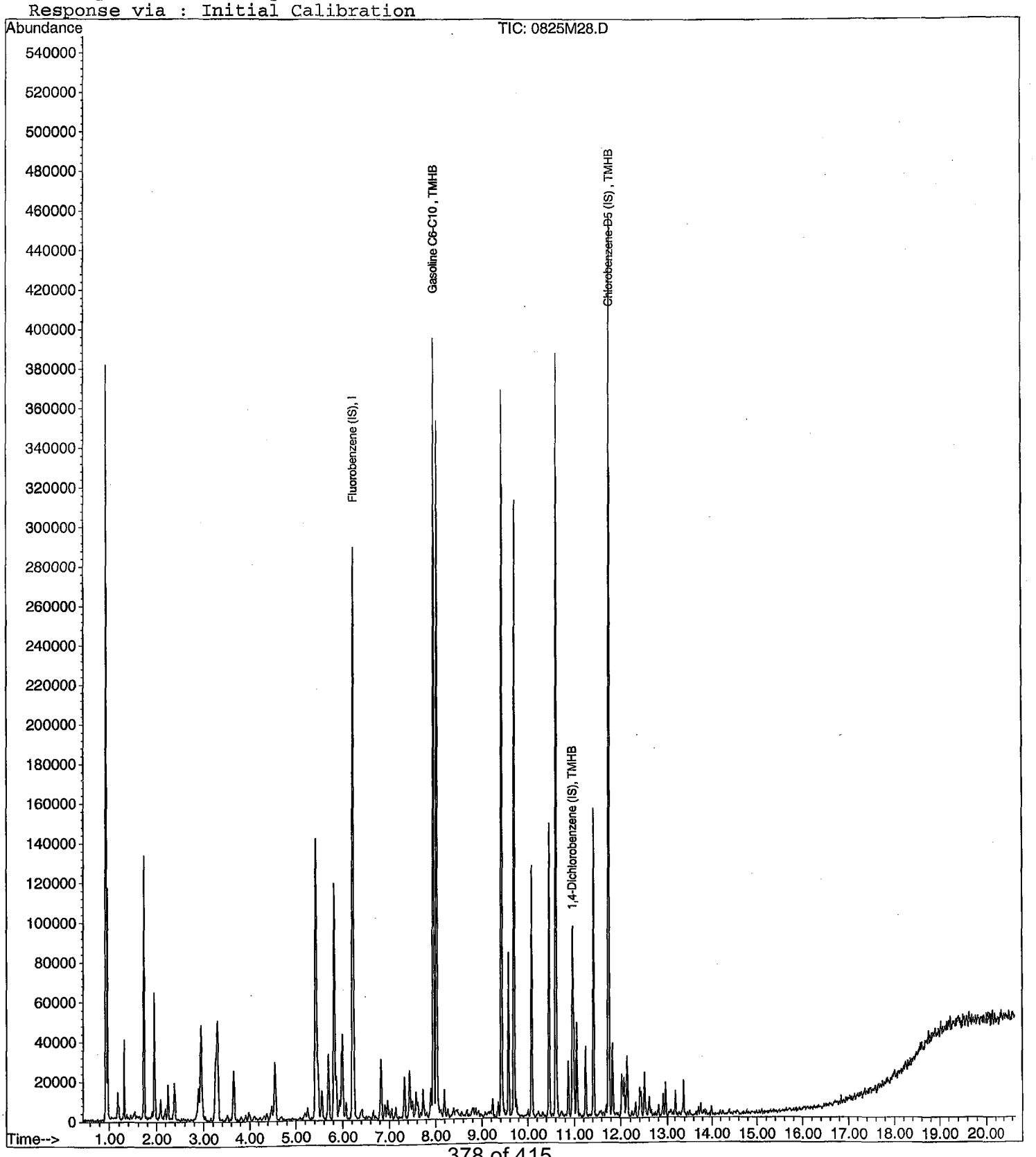
Quantitation Report

Data File : M:\MAX\DATA\210825\0825M28.D
Acq On : 25 Aug 21 22:42
Sample : 800ug/L GAS STD 8/25/21
Misc : IS&S 6/4/21

Vial: 18
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Aug 26 16:18 2021 Quant Results File: MGAS0825.RES

Method : M:\MAX\DATA\210825\MGAS0825.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 16:19:36 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\210825\0825M29.D Vial: 19
Acq On : 25 Aug 21 23:10 Operator: LP,DG,CH
Sample : 1000ug/L GAS STD 8/25/21 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Aug 26 16:19 2021 Quant Results File: MGAS0825.RES

Quant Method : M:\MAX\DATA\210825\MGAS0825.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 16:13:10 2021
Response via : Initial Calibration
DataAcq Meth : M8260_081021

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.21	TIC	286598	25.00	ppb	0.00
3) Chlorobenzene-D5 (IS)	11.75	TIC	331346m	25.00	ppb	0.00
4) 1,4-Dichlorobenzene (IS)	10.94	TIC	289883m	25.00	ppb	0.00
System Monitoring Compounds						
Target Compounds						Qvalue
2) Gasoline C6-C10	8.02	TIC	7278206m	979.10	ppb	100

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

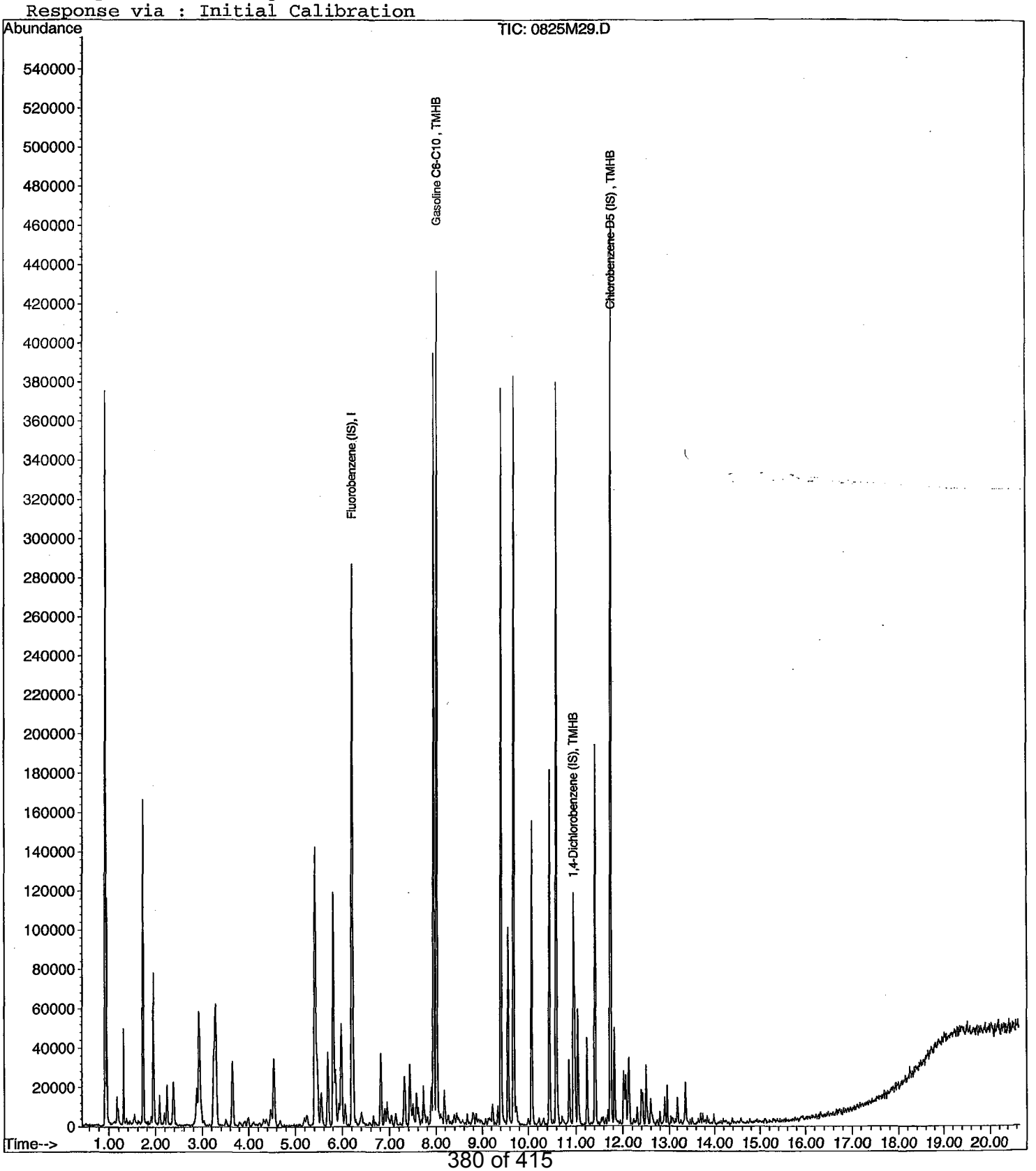
Quantitation Report

Data File : M:\MAX\DATA\210825\0825M29.D
Acq On : 25 Aug 21 23:10
Sample : 1000ug/L GAS STD 8/25/21
Misc : IS&S 6/4/21

Vial: 19
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Aug 26 16:19 2021 Quant Results File: MGAS0825.RES

Method : M:\MAX\DATA\210825\MGAS0825.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 16:19:36 2021
Response via : Initial Calibration



VOLATILE ORGANIC ANALYSIS
VOLATILE ORGANIC COMPOUNDS

Form 7

Second Source Calibration

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

SDG No:
Date Analyzed: 8/26/2021
Instrument: Max
Initial Cal. Date: 8/25/2021
Data File: 0825M31.D

		Compound	MEAN	CCRF	%D	%Drift	
1	TMHB	Gasoline C6-C10	3.704	1.312	65	TMHBL	12
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							
31							
32							
33							
34							
35							
36							
37							
38							
39							
40							
		Average			65.0		

Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\210825\0825M31.D Vial: 21
Acq On : 26 Aug 21 00:06 Operator: LP,DG,CH
Sample : (SS) 300ug/L GAS STD 8/25/21 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Sep 1 8:52 2021 Quant Results File: MGAS0825.RES

Quant Method : M:\MAX\DATA\210825\MGAS0825.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 16:19:36 2021
Response via : Initial Calibration
DataAcq Meth : M8260_081021

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	6.21	TIC	283312	25.00 ppb	0.00
3) Chlorobenzene-D5 (IS)	11.75	TIC	277458m	25.00 ppb	0.00
4) 1,4-Dichlorobenzene (IS)	10.94	TIC	112772m	25.00 ppb	0.00
System Monitoring Compounds					
Target Compounds					Qvalue
2) Gasoline C6-C10	7.95	TIC	4459802m	336.84 ppb	100

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

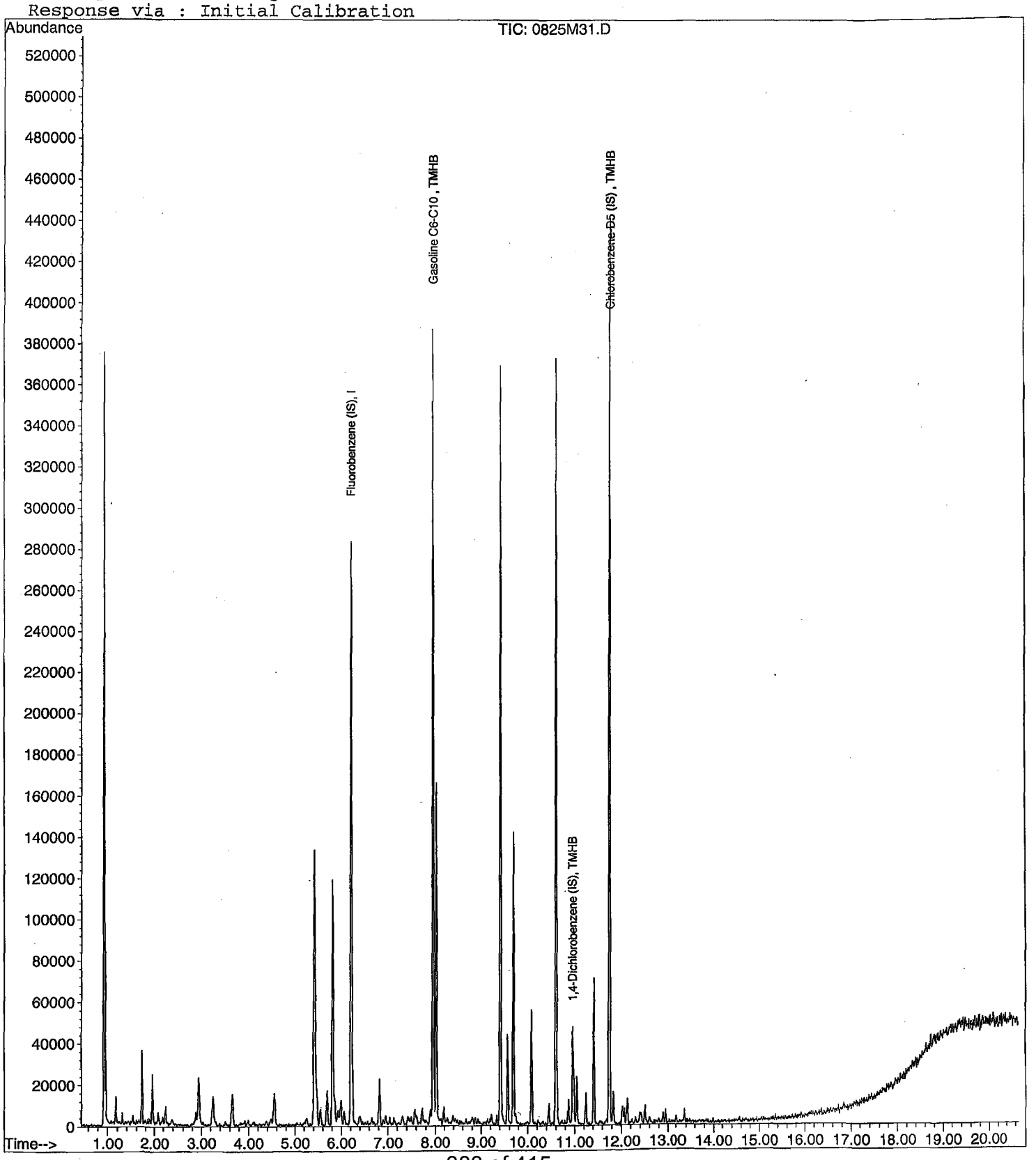
Quantitation Report

Data File : M:\MAX\DATA\210825\0825M31.D
Acq On : 26 Aug 21 00:06
Sample : (SS) 300ug/L GAS STD 8/25/21
Misc : IS&S 6/4/21

Vial: 21
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Sep 1 8:52 2021 Quant Results File: MGAS0825.RES

Method : M:\MAX\DATA\210825\MGAS0825.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 16:19:36 2021
Response via : Initial Calibration



VOLATILE ORGANIC ANALYSIS
VOLATILE ORGANIC COMPOUNDS

Form 7

Continuing Calibration

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

SDG No:
Date Analyzed: 11/15/2021
Instrument: Max
Initial Cal. Date: 8/25/2021
Data File: 1115M05.D

		Compound	MEAN	CCRF	%D		%Drift
1	I	Fluorobenzene (IS)	ISTD			I	
2	TMHB	Gasoline C6-C10	3.704	1.282	65	TMHBL	4.3
3	TMHB	Chlorobenzene-D5 (IS)	ISTD			TMHB	
4	TMHB	1,4-Dichlorobenzene (IS)	ISTD			TMHB	
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							
31							
32							
33							
34							
35							
36							
37							
38							
39							
40							
		Average			65.0		

Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\211111\1115M05.D Vial: 5
Acq On : 15 Nov 21 10:25 Operator: LP,DG,CH
Sample : 211115A CCV 300ug/L Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Nov 15 10:50 2021 Quant Results File: MGAS0825.RE

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)	6.38	TIC	463816	25.00	ppb	0.17
3) Chlorobenzene-D5 (IS)	11.75	TIC	1158760m	25.00	ppb	0.00
4) 1,4-Dichlorobenzene (IS)	10.94	TIC	126352m	25.00	ppb	0.00
System Monitoring Compounds						
Target Compounds						Qvalue
2) Gasoline C6-C10	8.08	TIC	7136217m	312.91	ppb	100

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

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211111\1115M05.D Vial: 5
Acq On : 15 Nov 21 10:25 Operator: LP,DG,CH
Sample : 211115A CCV 300ug/L Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Nov 22 16:29 2021 Quant Results File: M0825SUR.RE

Quant Method : M:\MAX\DATA\210922\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)	6.38	96	379420	25.00	ppb	0.17
4) Chlorobenzene-D5 (IS)	9.53	117	348435	25.00	ppb	0.12
7) 1,4-Dichlorobenzene-D (IS)	11.85	152	216125	25.00	ppb	0.11
System Monitoring Compounds						
2) Dibromofluoromethane(S)	5.60	111	128636	28.11	ppb	0.18
Spiked Amount 25.000			Recovery =	112.448%		
3) 1,2-DCA-D4(S)	5.99	65	86128	28.64	ppb	0.17
Spiked Amount 25.000			Recovery =	114.568%		
5) Toluene-D8(S)	8.08	98	410630	25.13	ppb	0.13
Spiked Amount 25.000			Recovery =	100.524%		
6) 4-Bromofluorobenzene(S)	10.71	95	156631	24.57	ppb	0.11
Spiked Amount 25.000			Recovery =	98.280%		

Target Compounds Qvalue

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

Quantitation Report

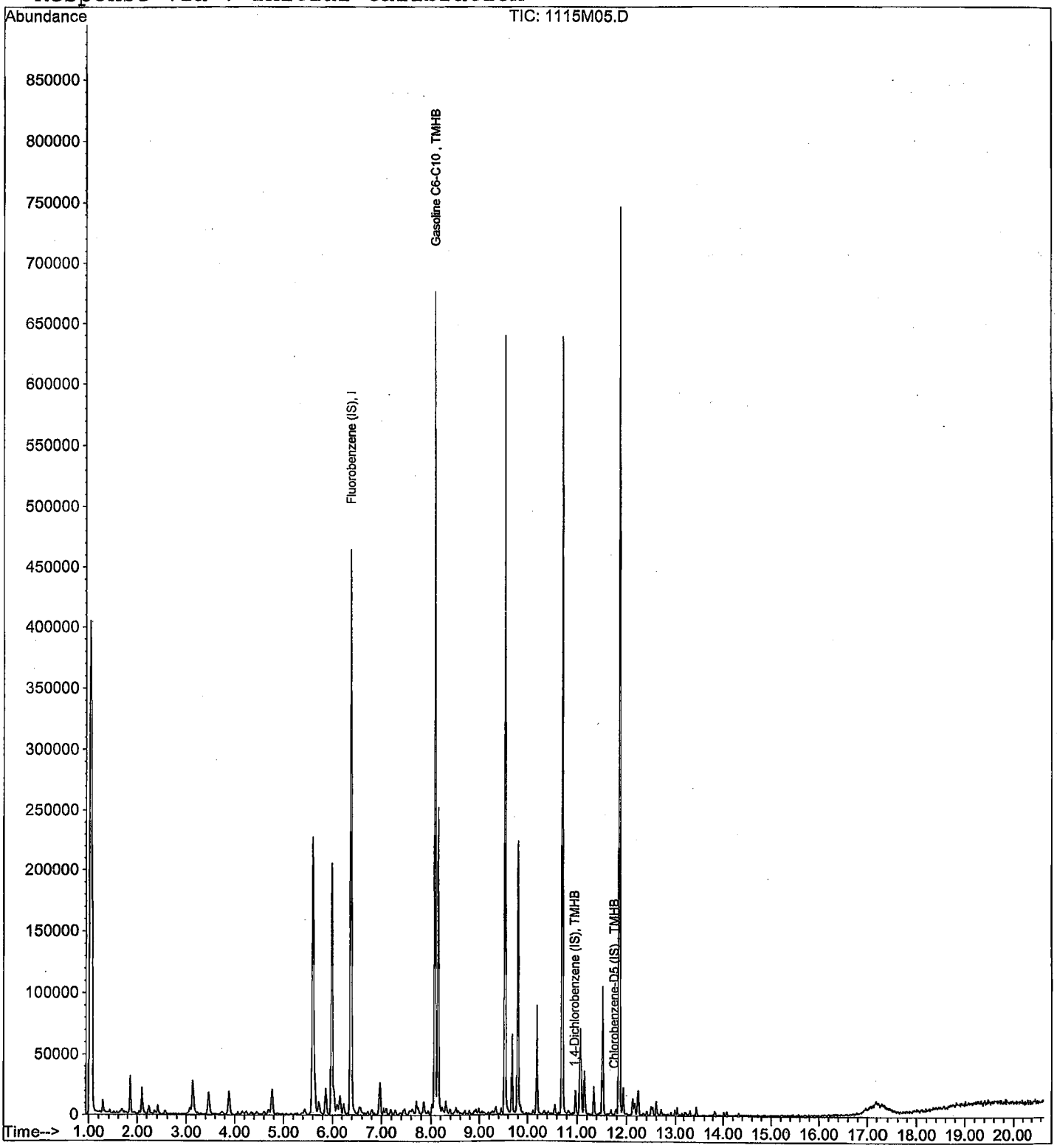
Data File : M:\MAX\DATA\211111\1115M05.D
Acq On : 15 Nov 21 10:25
Sample : 211115A CCV 300ug/L
Misc : IS&S 8/4/21

Vial: 5
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Nov 15 10:50 2021

Quant Results File: MGAS0825.RE

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



VOLATILE ORGANIC ANALYSIS
VOLATILE ORGANIC COMPOUNDS

Form 7

Ending Continuing Calibration

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

SDG No:
Date Analyzed: 11/15/2021
Instrument: Max
Initial Cal. Date: 8/25/2021
Data File: 1115M26.D

		Compound	MEAN	CCRF	%D		%Drift
1	I	Fluorobenzene (IS)	ISTD			I	
2	TMHB	Gasoline C6-C10	3.704	1.283	65	TMHBL	4.6
3	TMHB	Chlorobenzene-D5 (IS)	ISTD			TMHB	
4	TMHB	1,4-Dichlorobenzene (IS)	ISTD			TMHB	
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							
31							
32							
33							
34							
35							
36							
37							
38							
39							
40							
		Average			65.0		

Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\211111\1115M26.D Vial: 26
Acq On : 15 Nov 21 20:21 Operator: LP,DG,CH
Sample : Ending CCV 300ug/L 11/15/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Nov 16 10:18 2021 Quant Results File: MGAS0825.RE

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	428733	25.00	ppb	0.16
3) Chlorobenzene-D5 (IS)	11.75	TIC	1092850m	25.00	ppb	0.00
4) 1,4-Dichlorobenzene (IS)	10.94	TIC	115781m	25.00	ppb	0.00
System Monitoring Compounds						
Target Compounds						Qvalue
2) Gasoline C6-C10	8.08	TIC	6602956m	313.93	ppb	100

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

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211111\1115M26.D Vial: 26
Acq On : 15 Nov 21 20:21 Operator: LP,DG,CH
Sample : Ending CCV 300ug/L 11/15/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Nov 22 16:29 2021 Quant Results File: M0825SUR.RE

Quant Method : M:\MAX\DATA\210922\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	363319	25.00	ppb	0.16
4) Chlorobenzene-D5 (IS)	9.53	117	334597	25.00	ppb	0.12
7) 1,4-Dichlorobenzene-D (IS)	11.85	152	210878	25.00	ppb	0.10
System Monitoring Compounds						
2) Dibromofluoromethane(S)	5.60	111	121628	27.76	ppb	0.18
Spiked Amount 25.000			Recovery =	111.036%		
3) 1,2-DCA-D4(S)	5.98	65	83040	28.84	ppb	0.17
Spiked Amount 25.000			Recovery =	115.356%		
5) Toluene-D8(S)	8.08	98	396557	25.27	ppb	0.13
Spiked Amount 25.000			Recovery =	101.096%		
6) 4-Bromofluorobenzene(S)	10.70	95	148878	24.32	ppb	0.11
Spiked Amount 25.000			Recovery =	97.280%		

Target Compounds Qvalue

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

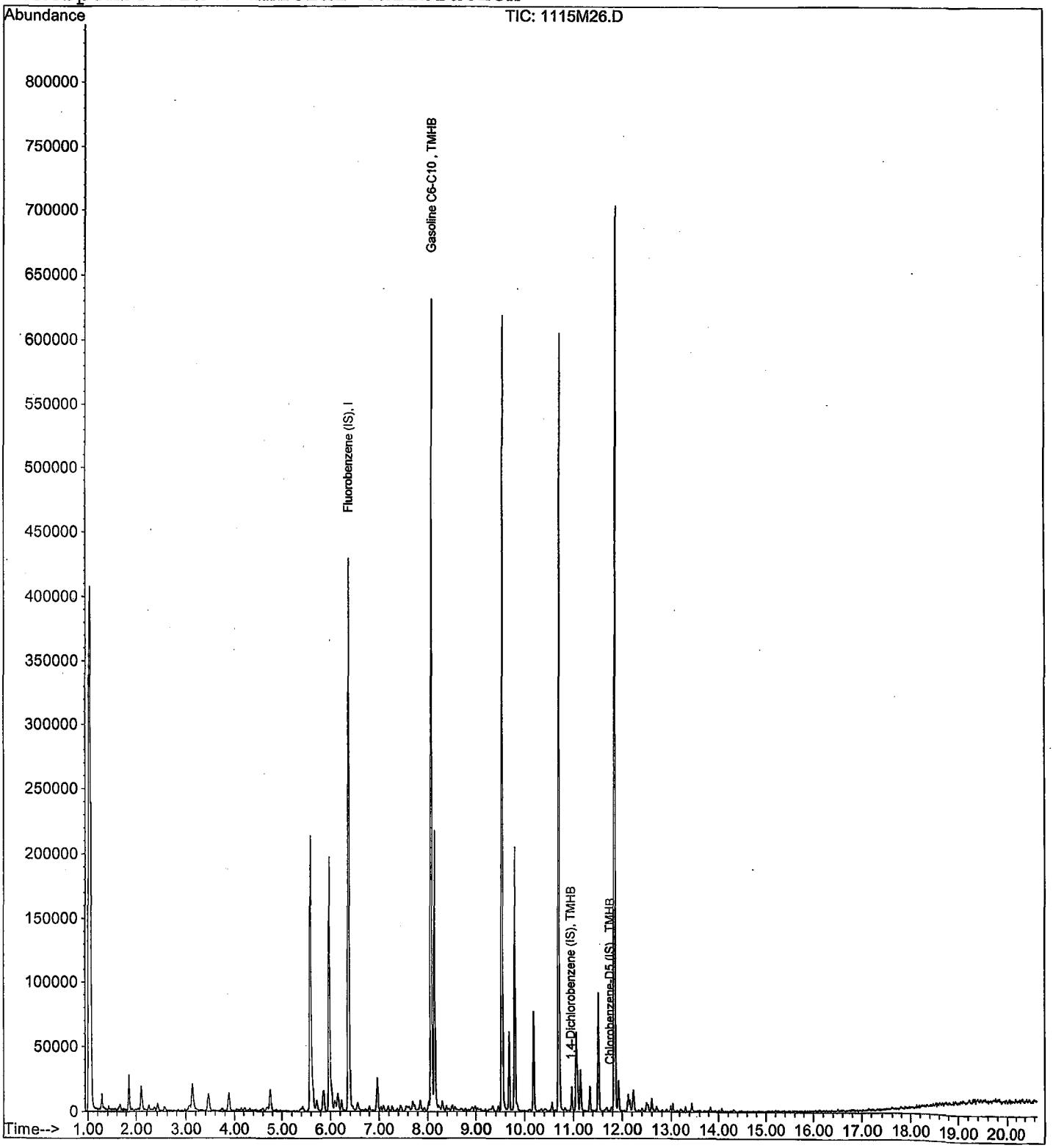
Quantitation Report

Data File : M:\MAX\DATA\211111\1115M26.D
Acq On : 15 Nov 21 20:21
Sample : Ending CCV 300ug/L 11/15/21
Misc : IS&S 8/4/21

Vial: 26
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Nov 16 10:18 2021 Quant Results File: MGAS0825.RE

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



ORGANICS
Raw Data

Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\211111\1115M23.D Vial: 23
Acq On : 15 Nov 21 18:56 Operator: LP,DG,CH
Sample : BA46000W01 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Nov 22 16:18 2021 Quant Results File: MGAS0825.RE

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	430040	25.00	ppb	0.16
3) Chlorobenzene-D5 (IS)	11.75	TIC	1073003m	25.00	ppb	0.00
4) 1,4-Dichlorobenzene (IS)	10.94	TIC	7420m	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\211111\1115M23.D Vial: 23
Acq On : 15 Nov 21 18:56 Operator: LP,DG,CH
Sample : BA46000W01 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Nov 22 16:27 2021 Quant Results File: M0825SUR.RE

Quant Method : M:\MAX\DATA\210922\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)	6.38	96	363111	25.00	ppb	0.16
4) Chlorobenzene-D5 (IS)	9.53	117	334021	25.00	ppb	0.12
7) 1,4-Dichlorobenzene-D (IS)	11.85	152	205625	25.00	ppb	0.10
System Monitoring Compounds						
2) Dibromofluoromethane(S)	5.59	111	119870	27.37	ppb	0.18
Spiked Amount 25.000			Recovery =	109.492%		
3) 1,2-DCA-D4(S)	5.98	65	83568	29.04	ppb	0.17
Spiked Amount 25.000			Recovery =	116.156%		
5) Toluene-D8(S)	8.08	98	386280	24.66	ppb	0.13
Spiked Amount 25.000			Recovery =	98.644%		
6) 4-Bromofluorobenzene(S)	10.70	95	150054	24.55	ppb	0.11
Spiked Amount 25.000			Recovery =	98.220%		

Target Compounds Qvalue

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

Quantitation Report

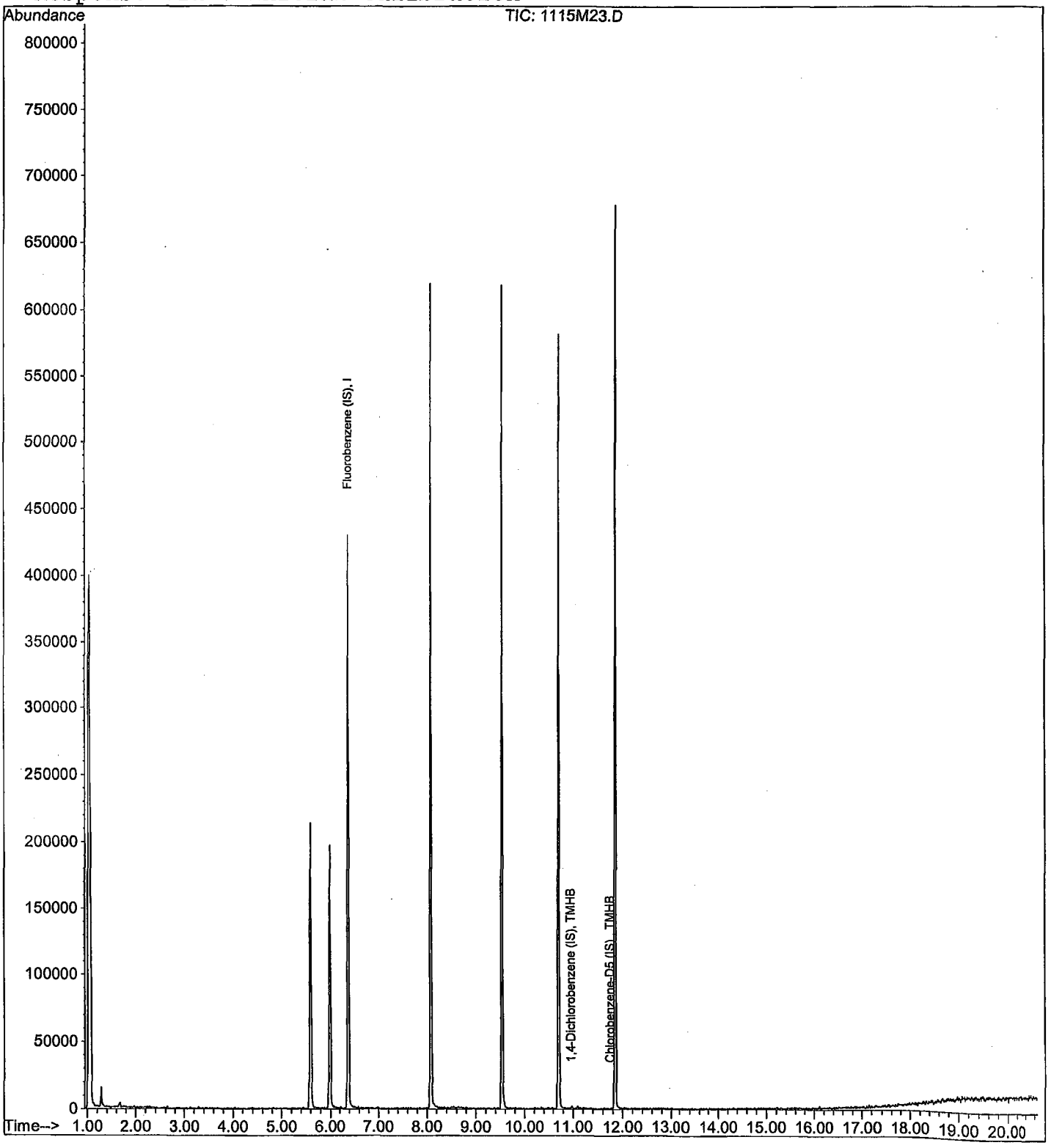
Data File : M:\MAX\DATA\211111\1115M23.D
Acq On : 15 Nov 21 18:56
Sample : BA46000W01
Misc : IS&S 8/4/21

Vial: 23
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Nov 22 16:18 2021

Quant Results File: MGAS0825.RE

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



Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\211111\1115M24.D
Acq On : 15 Nov 21 19:24
Sample : BA46001W01
Misc : IS&S 8/4/21

Vial: 24
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Nov 22 16:18 2021 Quant Results File: MGAS0825.RE

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	425465	25.00	ppb	0.16
3) Chlorobenzene-D5 (IS)	11.75	TIC	1051097m	25.00	ppb	0.00
4) 1,4-Dichlorobenzene (IS)	10.94	TIC	8768m	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\211111\1115M24.D Vial: 24
Acq On : 15 Nov 21 19:24 Operator: LP,DG,CH
Sample : BA46001W01 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Nov 22 16:27 2021 Quant Results File: M0825SUR.RE

Quant Method : M:\MAX\DATA\210922\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	355769	25.00	ppb	0.16
4) Chlorobenzene-D5 (IS)	9.53	117	332373	25.00	ppb	0.12
7) 1,4-Dichlorobenzene-D (IS)	11.85	152	196683	25.00	ppb	0.10
System Monitoring Compounds						
2) Dibromofluoromethane(S)	5.59	111	122858	28.63	ppb	0.18
Spiked Amount 25.000			Recovery =	114.540%		
3) 1,2-DCA-D4(S)	5.98	65	82816	29.37	ppb	0.17
Spiked Amount 25.000			Recovery =	117.488%		
5) Toluene-D8(S)	8.08	98	384052	24.64	ppb	0.13
Spiked Amount 25.000			Recovery =	98.560%		
6) 4-Bromofluorobenzene(S)	10.70	95	142385	23.42	ppb	0.11
Spiked Amount 25.000			Recovery =	93.660%		

Target Compounds Qvalue

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

Quantitation Report

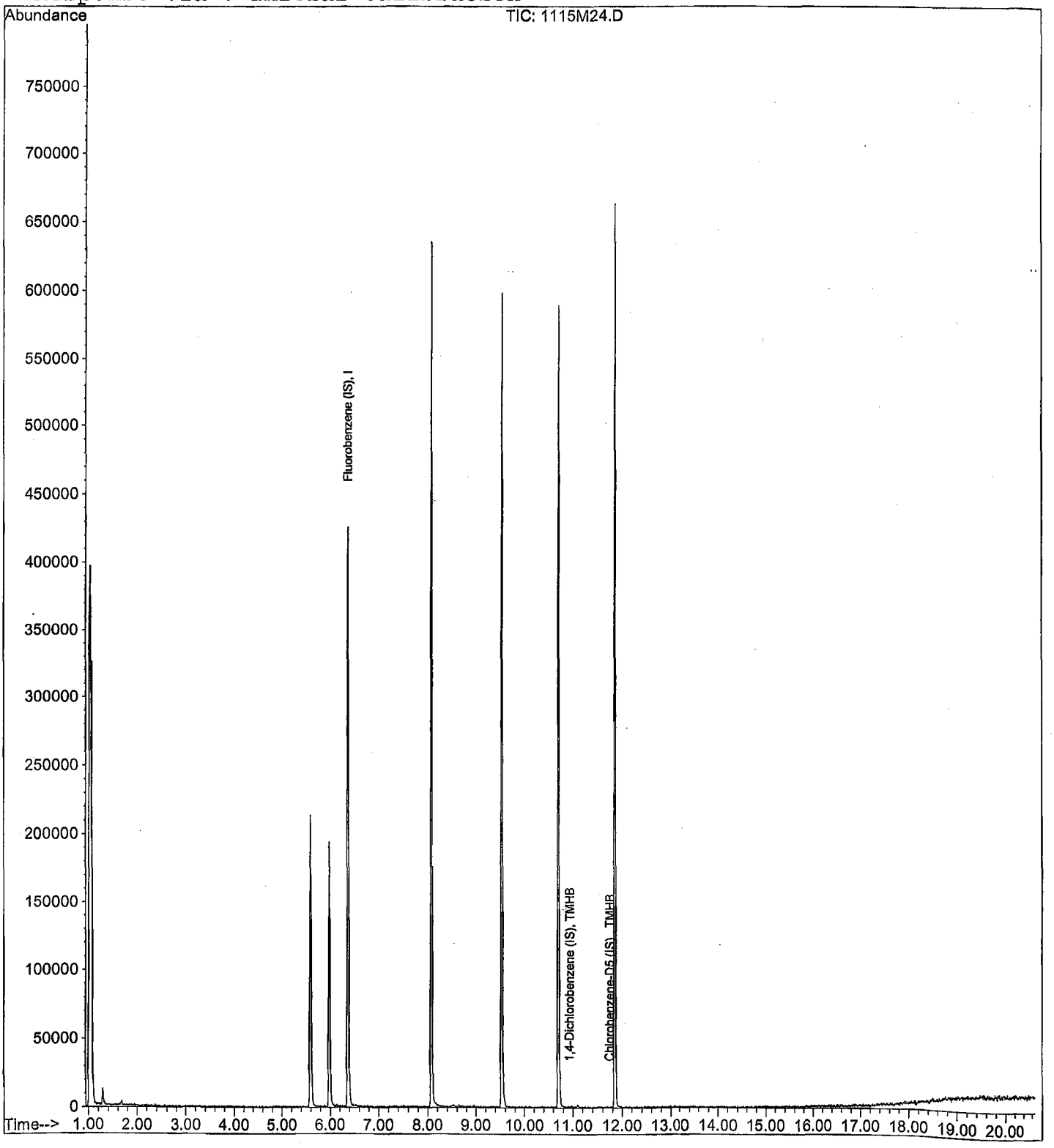
Data File : M:\MAX\DATA\211111\1115M24.D
Acq On : 15 Nov 21 19:24
Sample : BA46001W01
Misc : IS&S 8/4/21

Vial: 24
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Nov 22 16:18 2021

Quant Results File: MGAS0825.RE

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



Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\211111\1115M08.D Vial: 8
Acq On : 15 Nov 21 11:50 Operator: LP,DG,CH
Sample : 211115A BLK Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Nov 22 16:12 2021 Quant Results File: MGAS0825.RE

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)	6.38	TIC	452871	25.00	ppb	0.17
3) Chlorobenzene-D5 (IS)	11.75	TIC	1100001m	25.00	ppb	0.00
4) 1,4-Dichlorobenzene (IS)	10.94	TIC	11606m	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\211111\1115M08.D Vial: 8
Acq On : 15 Nov 21 11:50 Operator: LP,DG,CH
Sample : 211115A BLK Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Nov 22 16:26 2021 Quant Results File: M0825SUR.RE

Quant Method : M:\MAX\DATA\210922\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)	6.38	96	371382	25.00	ppb	0.17
4) Chlorobenzene-D5 (IS)	9.53	117	350184	25.00	ppb	0.12
7) 1,4-Dichlorobenzene-D (IS)	11.85	152	211146	25.00	ppb	0.11
System Monitoring Compounds						
2) Dibromofluoromethane(S)	5.60	111	126243	28.19	ppb	0.18
Spiked Amount 25.000			Recovery =	112.748%		
3) 1,2-DCA-D4(S)	5.98	65	84272	28.63	ppb	0.17
Spiked Amount 25.000			Recovery =	114.528%		
5) Toluene-D8(S)	8.08	98	406449	24.75	ppb	0.13
Spiked Amount 25.000			Recovery =	99.004%		
6) 4-Bromofluorobenzene(S)	10.71	95	157554	24.59	ppb	0.11
Spiked Amount 25.000			Recovery =	98.368%		

Target Compounds Qvalue

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

Quantitation Report

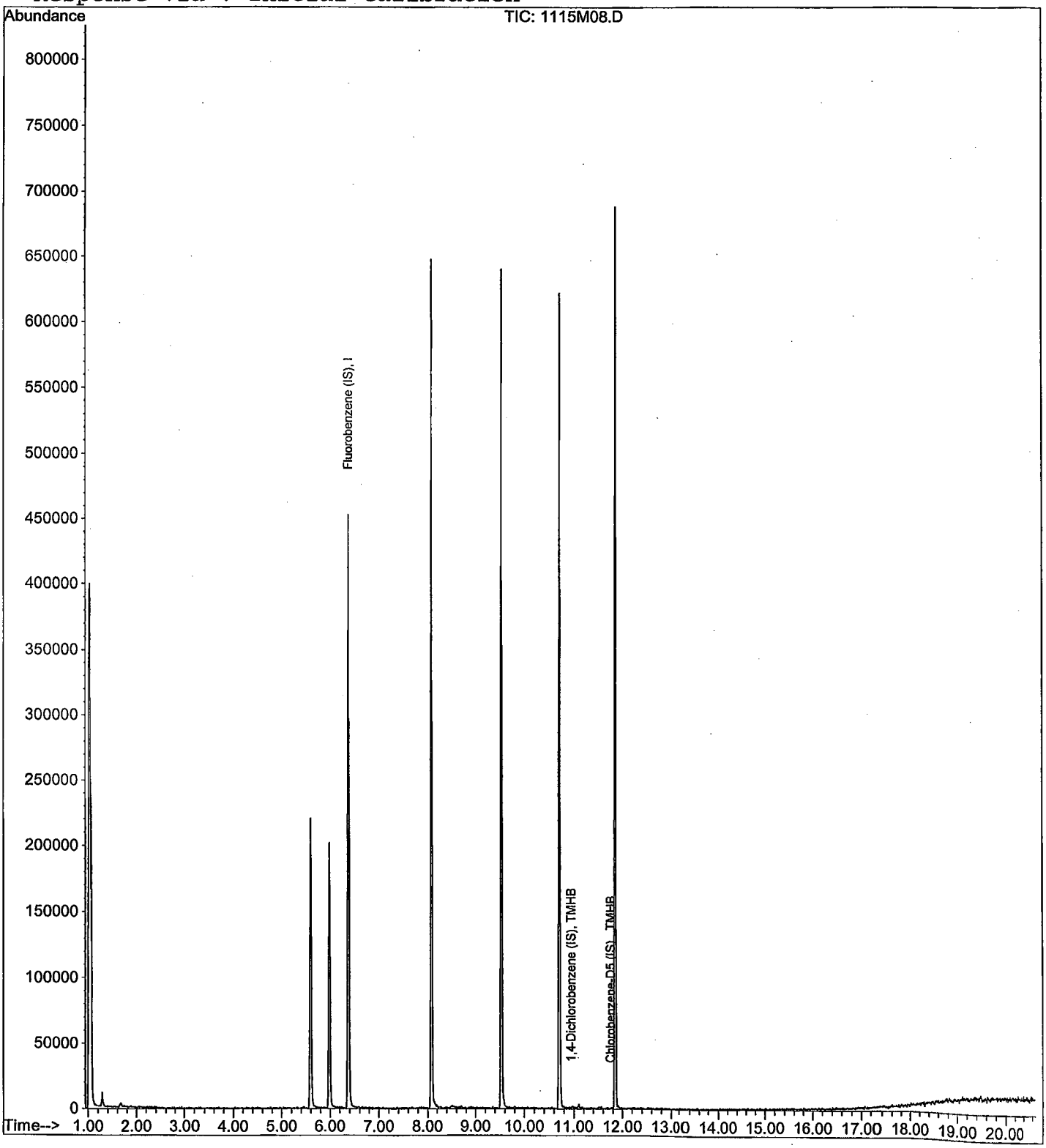
Data File : M:\MAX\DATA\211111\1115M08.D
Acq On : 15 Nov 21 11:50
Sample : 211115A BLK
Misc : IS&S 8/4/21

Vial: 8
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Nov 22 16:12 2021

Quant Results File: MGAS0825.RE

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



1115M08.D MGAS0825.M Mon Nov 22 16:20:02 2021 Page 2

Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\211111\1115M06.D Vial: 6
Acq On : 15 Nov 21 10:53 Operator: LP,DG,CH
Sample : 211115A LCS 300ug/L Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Nov 15 11:28 2021 Quant Results File: MGAS0825.RE

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)	6.38	TIC	457583	25.00	ppb	0.17
3) Chlorobenzene-D5 (IS)	11.75	TIC	1146086m	25.00	ppb	0.00
4) 1,4-Dichlorobenzene (IS)	10.94	TIC	133974m	25.00	ppb	0.00
System Monitoring Compounds						
Target Compounds						Qvalue
2) Gasoline C6-C10	8.08	TIC	7136370m	327.03	ppb	100

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

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211111\1115M06.D Vial: 6
Acq On : 15 Nov 21 10:53 Operator: LP,DG,CH
Sample : 211115A LCS 300ug/L Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Nov 22 16:29 2021 Quant Results File: M0825SUR.RE

Quant Method : M:\MAX\DATA\210922\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)	6.38	96	370711	25.00	ppb	0.17
4) Chlorobenzene-D5 (IS)	9.53	117	351312	25.00	ppb	0.12
7) 1,4-Dichlorobenzene-D (IS)	11.85	152	220509	25.00	ppb	0.11
System Monitoring Compounds						
2) Dibromofluoromethane(S)	5.60	111	125336	28.03	ppb	0.18
Spiked Amount 25.000			Recovery =	112.140%		
3) 1,2-DCA-D4(S)	5.99	65	86288	29.37	ppb	0.17
Spiked Amount 25.000			Recovery =	117.480%		
5) Toluene-D8(S)	8.08	98	411713	24.99	ppb	0.13
Spiked Amount 25.000			Recovery =	99.964%		
6) 4-Bromofluorobenzene(S)	10.71	95	157564	24.51	ppb	0.11
Spiked Amount 25.000			Recovery =	98.056%		
Target Compounds						Qvalue

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

Quantitation Report

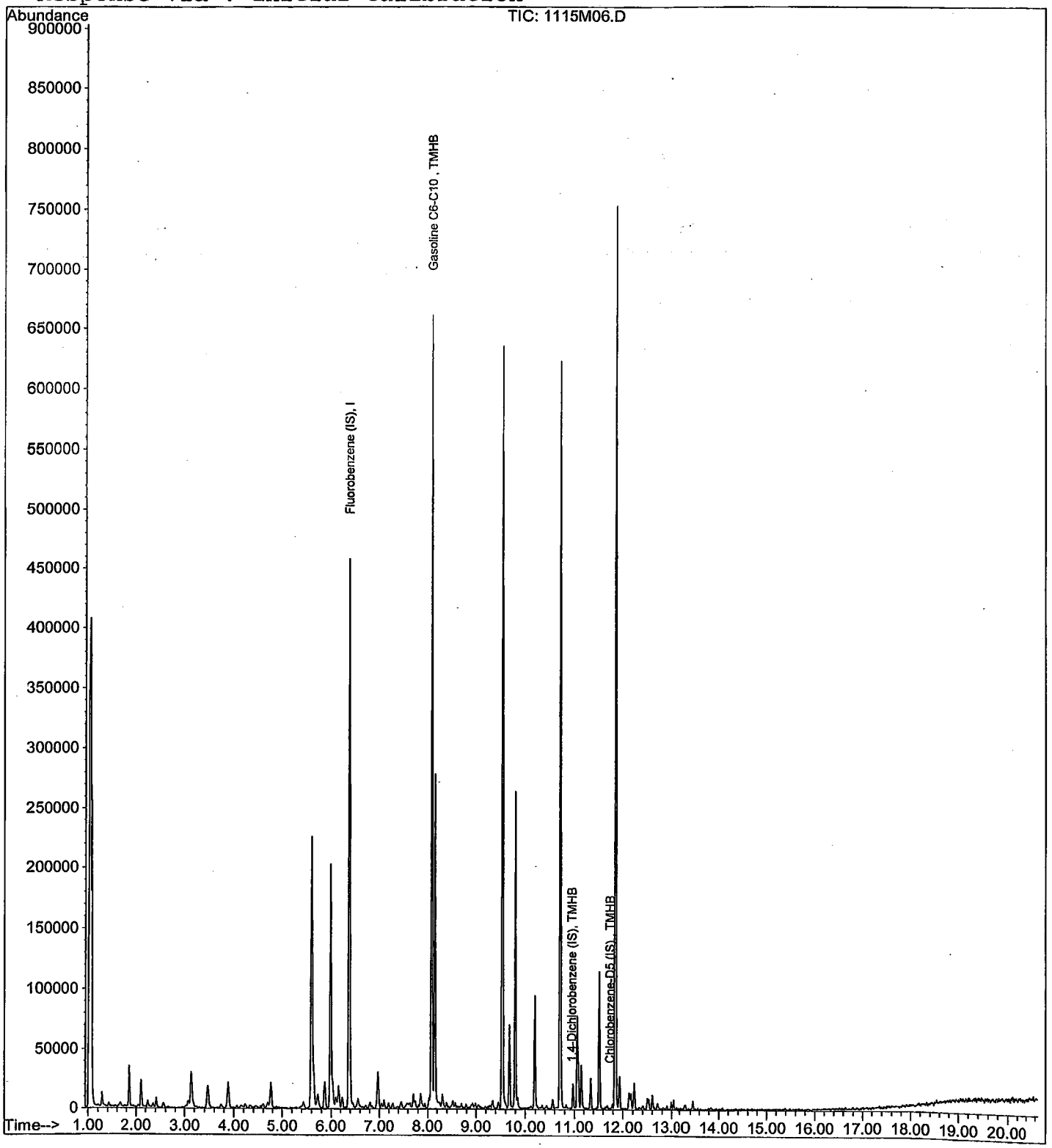
Data File : M:\MAX\DATA\211111\1115M06.D
Acq On : 15 Nov 21 10:53
Sample : 211115A LCS 300ug/L
Misc : IS&S 8/4/21

Vial: 6
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Nov 15 11:28 2021

Quant Results File: MGAS0825.RE

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



Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\211111\1115M07.D Vial: 7
Acq On : 15 Nov 21 11:22 Operator: LP,DG,CH
Sample : 211115A LCSD 300ug/L Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Nov 22 16:32 2021 Quant Results File: MGAS0825.RE

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)	6.38	TIC	445352	25.00	ppb	0.17
3) Chlorobenzene-D5 (IS)	11.75	TIC	1117845m	25.00	ppb	0.00
4) 1,4-Dichlorobenzene (IS)	10.94	TIC	111978m	25.00	ppb	0.00
System Monitoring Compounds						
Target Compounds						Qvalue
2) Gasoline C6-C10	8.08	TIC	6976942m	331.76	ppb	100

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

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211111\1115M07.D Vial: 7
Acq On : 15 Nov 21 11:22 Operator: LP,DG,CH
Sample : 211115A LCSD 300ug/L Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Nov 22 16:29 2021 Quant Results File: M0825SUR.RE

Quant Method : M:\MAX\DATA\210922\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)	6.38	96	360359	25.00	ppb	0.17
4) Chlorobenzene-D5 (IS)	9.53	117	345933	25.00	ppb	0.12
7) 1,4-Dichlorobenzene-D (IS)	11.85	152	216380	25.00	ppb	0.11
System Monitoring Compounds						
2) Dibromofluoromethane(S)	5.60	111	127949	29.44	ppb	0.18
Spiked Amount 25.000			Recovery =	117.764%		
3) 1,2-DCA-D4(S)	5.99	65	85992	30.11	ppb	0.17
Spiked Amount 25.000			Recovery =	120.440%		
5) Toluene-D8(S)	8.08	98	407167	25.10	ppb	0.13
Spiked Amount 25.000			Recovery =	100.400%		
6) 4-Bromofluorobenzene(S)	10.71	95	154182	24.36	ppb	0.11
Spiked Amount 25.000			Recovery =	97.444%		

Target Compounds Qvalue

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

Quantitation Report

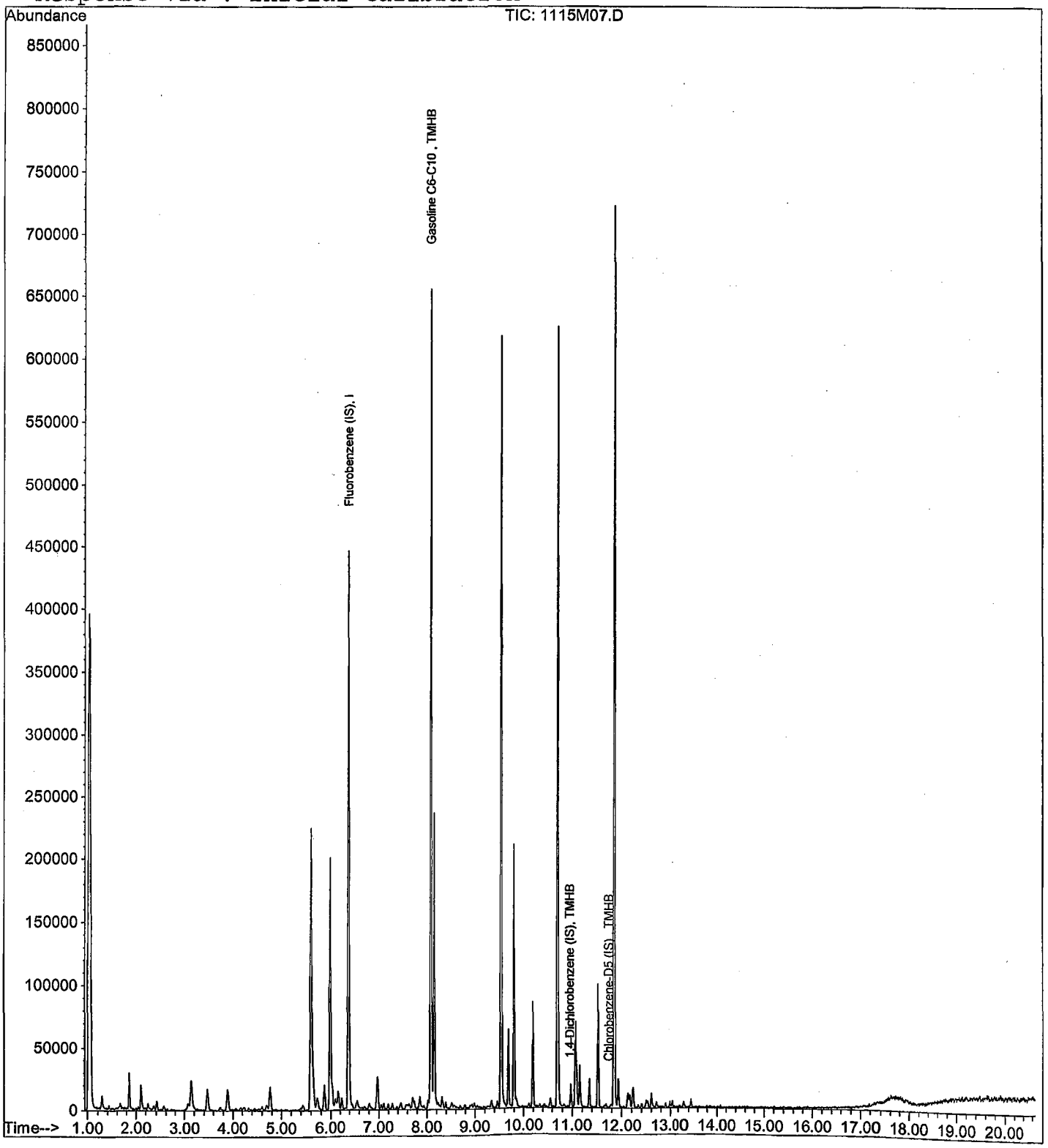
Data File : M:\MAX\DATA\211111\1115M07.D
Acq On : 15 Nov 21 11:22
Sample : 211115A LCSD 300ug/L
Misc : IS&S 8/4/21

Vial: 7
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Nov 22 16:32 2021

Quant Results File: MGAS0825.RE

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



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

MAX Gas Standard Prep

Gas Primary Working Standard

Prepared: 6/23/2021 **Prepared By (Initials):** CH

Expires: 1/4/2022

Methanol Lot No.

Initial Standard Information							Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	Supplier P/N#	Conc. (ug/mL)	Lot Number - QA Number	Exp. Date (1 yr)	Exp. Date (Manufacturers)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/mL)
50,000ug/mL Gas STD	Restek	30205	50,000	A0132443	1/4/2022	12/31/2024	80uL	2mL	Methanol	2,000

Gas Second Source (SS) Working Standard

Prepared: 3/31/2021 **Prepared By (Initials):** CH

Expires: 1/31/1930

Methanol Lot No.

Initial Standard Information							Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	Supplier P/N#	Conc. (ug/mL)	Lot Number - QA Number	Exp. Date (1 yr)	Exp. Date (Manufacturers)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/mL)
Gasoline (50,000ppm)	Phenova	ALO-101543	50,000	CL14915-51175	1/4/2022	1/31/1930	80uL	2mL	Methanol	2,000

MAX Gas Calibration Curve

Prepared: 8/25/2021 **Prepared By (Initials):** CH

Expires: 10/24/2021

Initial Standard Information							Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	APPL Mix Name	Conc. (ug/mL)	Reference To APPL Prep Date	Exp. Date	Exp. Date (Manufacturers)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/L)
VOA Gasses Standards	Phenova	20ug/L	2,000	Prepared 06/23/21	1/4/2022	N/A	1uL	100mL	P&T Water	20
VOA Gasses Standards	Phenova	50ug/L	2,000	Prepared 06/23/21	1/4/2022	N/A	2.5uL	100mL	P&T Water	50
VOA Gasses Standards	Phenova	100ug/L	2,000	Prepared 06/23/21	1/4/2022	N/A	5uL	100mL	P&T Water	100
VOA Gasses Standards	Phenova	300ug/L	2,000	Prepared 06/23/21	1/4/2022	N/A	15uL	100mL	P&T Water	300
VOA Gasses Standards	Phenova	600ug/L	2,000	Prepared 06/23/21	1/4/2022	N/A	30uL	100mL	P&T Water	600
VOA Gasses Standards	Phenova	800ug/L	2,000	Prepared 06/23/21	1/4/2022	N/A	40uL	100mL	P&T Water	800
VOA Gasses Standards	Phenova	1,000ug/L	2,000	Prepared 06/23/21	1/4/2022	N/A	50uL	100mL	P&T Water	1,000

Zeus Gas Second Source

Prepared: 8/25/2021 **Prepared By (Initials):** CH

Expires: 10/24/2021

Initial Standard Information							Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	APPL Mix Name	Conc. (ug/mL)	Reference To APPL Prep Date	Exp. Date	Exp. Date (Manufacturers)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/L)
50,000ug/mL Gas STD	Phenova	SS 300ug/L	2,000	Prepared 03/31/21	1/31/1930	N/A	15uL	100mL	P&T Water	300

MAX Gas Continuing Calibrations/Lab Control Spikes

Prepared: 8/25/2021 **Prepared By (Initials):** CH

Expires: 8/26/2021

Initial Standard Information							Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	Supplier P/N#	Conc. (ug/mL)	Lot Number - QA Number	Exp. Date (1 yr)	Exp. Date (Manufacturers)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/mL)
VOA Gasses Standards	Phenova	300ug/L	2,000	Prepared 06/23/21	1/4/2022	N/A	15uL	100mL	P&T Water	300

Injection Log

Directory: M:\MAX\DATA\210825\

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	2	0825M12.D	1	0.3ug/L VOC STD 8/25/21	IS&S 6/4/21	25 Aug 21 15:15
2	3	0825M13.D	1	0.5ug/L VOC STD 8/25/21	IS&S 6/4/21	25 Aug 21 15:43
3	4	0825M14.D	1	1ug/L VOC STD 8/25/21	IS&S 6/4/21	25 Aug 21 16:11
4	5	0825M15.D	1	2ug/L VOC STD 8/25/21	IS&S 6/4/21	25 Aug 21 16:39
5	6	0825M16.D	1	5ug/L VOC STD 8/25/21	IS&S 6/4/21	25 Aug 21 17:07
6	7	0825M17.D	1	10ug/L VOC STD 8/25/21	IS&S 6/4/21	25 Aug 21 17:35
7	8	0825M18.D	1	20ug/L VOC STD 8/25/21	IS&S 6/4/21	25 Aug 21 18:03
8	9	0825M19.D	1	40ug/L VOC STD 8/25/21	IS&S 6/4/21	25 Aug 21 18:31
9	10	0825M20.D	1	100ug/L VOC STD 8/25/21	IS&S 6/4/21	25 Aug 21 18:59
10	13	0825M23.D	1	20ug/L GAS STD 8/25/21	IS&S 6/4/21	25 Aug 21 20:23
11	14	0825M24.D	1	50ug/L GAS STD 8/25/21	IS&S 6/4/21	25 Aug 21 20:51
12	15	0825M25.D	1	100ug/L GAS STD 8/25/21	IS&S 6/4/21	25 Aug 21 21:19
13	16	0825M26.D	1	300ug/L GAS STD 8/25/21	IS&S 6/4/21	25 Aug 21 21:47
14	17	0825M27.D	1	600ug/L GAS STD 8/25/21	IS&S 6/4/21	25 Aug 21 22:14
15	18	0825M28.D	1	800ug/L GAS STD 8/25/21	IS&S 6/4/21	25 Aug 21 22:42
16	19	0825M29.D	1	1000ug/L GAS STD 8/25/21	IS&S 6/4/21	25 Aug 21 23:10
17	21	0825M31.D	1	(SS) 300ug/L GAS STD 8/25/21	IS&S 6/4/21	26 Aug 21 00:06

Injection Log

Directory: M:\MAX\DATA\211111\

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	5	1115M05.D	1	211115A CCV 300ug/L	IS&S 8/4/21	15 Nov 21 10:25
2	6	1115M06.D	1	211115A LCS 300ug/L	IS&S 8/4/21	15 Nov 21 10:53
3	7	1115M07.D	1	211115A LCSD 300ug/L	IS&S 8/4/21	15 Nov 21 11:22
4	8	1115M08.D	1	211115A BLK	IS&S 8/4/21	15 Nov 21 11:50
5	23	1115M23.D	1	BA46000W01	IS&S 8/4/21	15 Nov 21 18:56
6	24	1115M24.D	1	BA46001W01	IS&S 8/4/21	15 Nov 21 19:24
7	26	1115M26.D	1	Ending CCV 300ug/L 11/15/21	IS&S 8/4/21	15 Nov 21 20:21

INORGANIC ANALYSIS
Calibration and Raw Data

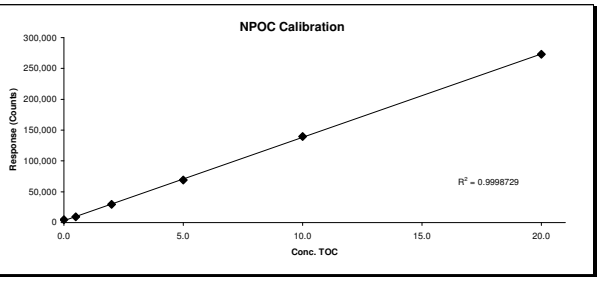
TOTAL ORGANIC CARBON

Method: WetChem | Units mg/L | Instrument: Tic Toc

Analyte: TOC | QCG: 211119A

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
2021-11-19	11:01 AM	CCB Prime	1	1408	40mL	0.000	0.032	0.03	0.12		
2021-11-19	11:43 AM	QCB	1	977	40mL	0.000	0	0.00	0.00		
2021-11-19	12:25 PM	211119A CCV/LCS 1	1	59244	40mL	0.000	4.317	4.32	0.12	5.00	86.3%
2021-11-19	01:08 PM	211119A CCB/Blk 1	1	1077	40mL	0.000	0.008	0.01	0.02		
2021-11-19	08:02 PM	BA41427W08 9060A	1	84288	40mL	0.000	6.062	6.06	0.14		
2021-11-19	08:46 PM	211119A CCV/LCSD 2	1	58775	40mL	0.000	4.282	4.28	0.22	5.00	85.6%
2021-11-19	09:29 PM	211119A CCB 2	1	1610	40mL	0.000	0.047	0.05	0.05		
2021-11-19	10:11 PM	BA44490W01 9060	1	39499	40mL	0.000	2.743	2.74	0.02		
2021-11-19	10:52 PM	BA45967W05 9060	1	63782	40mL	0.000	4.542	4.54	0.18		
2021-11-19	11:34 PM	BA45998W01	1	101756	40mL	0.000	7.356	7.36	0.04		
2021-11-20	12:15 AM	BA46115W05	1	5102	40mL	0.000	0.194	0.19	0.67		
2021-11-20	12:57 AM	BA46117W05	1	2783	40mL	0.000	0.022	0.02	0.00		
2021-11-20	01:38 AM	BA46001W05	1	2755	40mL	0.000	0.02	0.02	0.02		
2021-11-20	02:19 AM	BA46103W06	1	18650	40mL	0.000	1.199	1.20	0.01		
2021-11-20	03:01 AM	BA46105W05	1	67786	40mL	0.000	4.839	4.84	0.19		
2021-11-20	03:42 AM	BA46107W05	1	26002	40mL	0.000	1.743	1.74	0.02		
2021-11-20	04:24 AM	BA46109W05	1	4252	40mL	0.000	0.131	0.13	0.24		
2021-11-20	05:05 AM	211119A CCV 3	1	57708	40mL	0.000	4.204	4.20	0.04	5.00	84.1%
2021-11-20	05:48 AM	211119A CCB 3	1	1423	40mL	0.000	0.033	0.03	0.05		
						0.000					
						0.000					
						0.000					
						0.000					
						0.000					
						0.000					
						0.000					
						0.000					
						0.000					
						0.000					
						0.000					
						0.000					

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