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

January 14, 2022

AECOM
1001 Bishop Street, Suite 1600
Honolulu, Hawaii 96813

Attn: Alethea Ramos

Title: Report of Data: Case 98336

Project: 60571032 CV18F0126 Red Hill Fuel Storage, HI

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

Dear Ms. Ramos:

Eight water samples were received November 27, 2021. Written results for the requested analyses are being provided on this January 14, 2022.

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.

 for

Loren Portwood, Laboratory Director
APPL, Inc.

LP/lac
Enclosure
cc: File

Data Validation Package
for
60571032 CV18F0126 Red Hill Fuel Storage
APPL SDG 98336
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CASE NARRATIVE

Case Narrative

ARF: 98336

Project: 60571032 CV18F0126 Red Hill Fuel Storage. HI

Sample Receipt Information:

Eight water samples were received November 27, 2021 at 0.1°C and 1.1°C. The sample group was assigned Analytical Request Form (ARF) number 98336.

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 211201A1 method blank, Oil was detected above one-half the LOQ. Two samples were B flagged.

The 211201A1-LCS/LCSD recovers motor oil above the upper control limit.

EPA 8015B SGC: The CCV, file 1202082.D, recovers ortho-terphenyl below the lower control limit.

EPA 8015B Blank: The 21120A-LCS recovers motor oil above the upper control limit.

The CCV, file 1202056.D, recovers ortho-terphenyl below the lower control limit.

EPA 8270D SIM: In the LCS/LCSD, all RPD exceeded the 20% limit.

SDG	Received	Client ID	APPL ID	Collected DateTime	Matrix	Method	Method Description	Prep DateTime	Analysis DateTime
98336	11/27/2021	ERH1958	BA46970	11/24/2021 10:05:00 AM	WATER	EPA 8260B	EPA 8260B BTEX WATER	12/7/2021 6:19:00 PM	12/7/2021 6:19:00 PM
98336	11/27/2021	ERH1958	BA46970	11/24/2021 10:05:00 AM	WATER	EPA 8260B	EPA 8260B GRO WATER	12/7/2021 6:19:00 PM	12/7/2021 6:19:00 PM
98336	11/27/2021	ERH1959	BA46971	11/24/2021 10:20:00 AM	WATER	EPA 8260B	EPA 8260B BTEX WATER	12/7/2021 6:43:00 PM	12/7/2021 6:43:00 PM
98336	11/27/2021	ERH1959	BA46971	11/24/2021 10:20:00 AM	WATER	EPA 8015B-eHL	EPA 8015B TPH WATER L-L SGC	12/1/2021 10:12:00 AM	12/4/2021 7:07:00 AM
98336	11/27/2021	ERH1959	BA46971	11/24/2021 10:20:00 AM	WATER	EPA 8015B-eHL	EPA 8015B TPH LIQ-LIQ	12/1/2021 10:12:00 AM	12/15/2021 11:09:00 PM
98336	11/27/2021	ERH1959	BA46971	11/24/2021 10:20:00 AM	WATER	EPA 8260B	EPA 8260B GRO WATER	12/7/2021 6:43:00 PM	12/7/2021 6:43:00 PM
98336	11/27/2021	ERH1959	BA46971	11/24/2021 10:20:00 AM	WATER	8270D-SIM	EPA 8270D SIM LIQ-LIQ	11/29/2021 12:23:00 PM	12/1/2021 11:47:00 AM
98336	11/27/2021	ERH1959	BA46971	11/24/2021 10:20:00 AM	WATER	SW846 9060A	9060A TOC	11/29/2021 9:17:00 PM	11/29/2021 9:17:00 PM
98336	11/27/2021	ERH1961	BA46972	11/24/2021 9:40:00 AM	WATER	EPA 8260B	EPA 8260B BTEX WATER	12/7/2021 7:07:00 PM	12/7/2021 7:07:00 PM
98336	11/27/2021	ERH1961	BA46972	11/24/2021 9:40:00 AM	WATER	EPA 8260B	EPA 8260B GRO WATER	12/7/2021 7:07:00 PM	12/7/2021 7:07:00 PM
98336	11/27/2021	ERH1962	BA46973	11/24/2021 9:50:00 AM	WATER	EPA 8260B	EPA 8260B BTEX WATER	12/7/2021 7:31:00 PM	12/7/2021 7:31:00 PM
98336	11/27/2021	ERH1962	BA46973	11/24/2021 9:50:00 AM	WATER	EPA 8015B-eHL	EPA 8015B TPH WATER L-L SGC	12/1/2021 10:12:00 AM	12/4/2021 7:35:00 AM
98336	11/27/2021	ERH1962	BA46973	11/24/2021 9:50:00 AM	WATER	EPA 8015B-eHL	EPA 8015B TPH LIQ-LIQ	12/1/2021 10:12:00 AM	12/15/2021 11:37:00 PM
98336	11/27/2021	ERH1962	BA46973	11/24/2021 9:50:00 AM	WATER	EPA 8260B	EPA 8260B GRO WATER	12/7/2021 7:31:00 PM	12/7/2021 7:31:00 PM
98336	11/27/2021	ERH1962	BA46973	11/24/2021 9:50:00 AM	WATER	8270D-SIM	EPA 8270D SIM LIQ-LIQ	11/29/2021 12:23:00 PM	12/1/2021 12:07:00 PM
98336	11/27/2021	ERH1962	BA46973	11/24/2021 9:50:00 AM	WATER	SW846 9060A	9060A TOC	11/29/2021 8:37:00 PM	11/29/2021 8:37:00 PM
98336	11/27/2021	ERH1964	BA46974	11/24/2021 9:50:00 AM	WATER	EPA 8260B	EPA 8260B BTEX WATER	12/7/2021 7:55:00 PM	12/7/2021 7:55:00 PM
98336	11/27/2021	ERH1964	BA46974	11/24/2021 9:50:00 AM	WATER	EPA 8015B-eHL	EPA 8015B TPH WATER L-L SGC	12/1/2021 10:12:00 AM	12/4/2021 8:03:00 AM
98336	11/27/2021	ERH1964	BA46974	11/24/2021 9:50:00 AM	WATER	EPA 8015B-eHL	EPA 8015B TPH LIQ-LIQ	12/1/2021 10:12:00 AM	12/16/2021 12:05:00 AM
98336	11/27/2021	ERH1964	BA46974	11/24/2021 9:50:00 AM	WATER	EPA 8260B	EPA 8260B GRO WATER	12/7/2021 7:55:00 PM	12/7/2021 7:55:00 PM
98336	11/27/2021	ERH1964	BA46974	11/24/2021 9:50:00 AM	WATER	8270D-SIM	EPA 8270D SIM LIQ-LIQ	11/29/2021 12:23:00 PM	12/1/2021 12:27:00 PM
98336	11/27/2021	ERH1959 BLANK	BA46975	11/24/2021 10:20:00 AM	WATER	EPA 8015B-eHL	EPA 8015B TPH LIQ-LIQ	11/30/2021 9:09:00 AM	12/3/2021 1:13:00 PM
98336	11/27/2021	ERH1962 BLANK	BA46976	11/24/2021 9:50:00 AM	WATER	EPA 8015B-eHL	EPA 8015B TPH LIQ-LIQ	11/30/2021 9:09:00 AM	12/3/2021 1:42:00 PM
98336	11/27/2021	ERH1964 BLANK	BA46977	11/24/2021 9:50:00 AM	WATER	EPA 8015B-eHL	EPA 8015B TPH LIQ-LIQ	11/30/2021 9:09:00 AM	12/3/2021 2:10:00 PM

APPL Inc.
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 – (See case narrative)
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, e.g. mineral spirits, kerosene, stoddard solvent, white gas
T2 M	Is mainly lower boiling hydrocarbons, e.g. mineral spirits, kerosene, stoddard solvent, white gas
T3 I	Includes higher boiling hydrocarbons, e.g. asphaltene, waste oil, motor oil, or weathered diesel fuel
T3 M	Is mainly higher boiling hydrocarbons, e.g. asphaltene, waste 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
U	Not detected
Y	Percent difference between primary and confirmation column > 40%

SAMPLE RECORDS MANAGEMENT

CHAIN OF CUSTODY,

ARF, CRF, AND

CLIENT COMMUNICATION

APPL - Analysis Request Form 98336

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 Storag**
PO #: **18S-22209-HI27 PO# 102604**
Chain of Custody (Y/N) **Y** **50087**
RAD Screen (Y/N): **Y** pH (Y/N): **Y**
Turn Around Type: **1 WEEK**

Received by: **MSA**
Date Received: **11/27/21** Time: **12:10**
Delivered by: **FEDEX**
Shuttle Custody Seals (Y/N): **Y** Time Zone: **-10**
Chest Temp(s): **0.1,1.1°C**
Color: **VFRG/Receiving**
Samples Chilled until Placed in Refrig/Freezer: **Y**
Project Manager: **Libby Cheesebor**
QC Report Type: **DVP4DOD/EQUIS/HI**
Due Date: **12/06/21**

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

Sample Distribution:
GC: 3-$DOC53SGCW5LIQ, 3-$DOC53W5LIQ, 3-$SIM53LIQ51, 3-$RHBLKETBLK
Extractions: 3-_LIQ003, 6-_LIQ005, 3-_LIQ005SGC
VOA: 5-$86BTOTXDOD5W, 5-$GASBL, 5-$GRO86BW
Wetlab: 2-$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.	ERH1958	LCSD	BA46970W	11/24/21	10:05	$86BTOTXDOD5W, $GASBL, $GRO86BW -- See Comments
2.	ERH1959	LCSD	BA46971W	11/24/21	10:20	$86BTOTXDOD5W, $DOC53SGCW5LIQ, $DOC53W5LIQ, $GASBL, $GRO86BW, $SIM53LIQ51, $TOCW53 -- See Comments
3.	ERH1961	LCSD	BA46972W	11/24/21	09:40	$86BTOTXDOD5W, $GASBL, $GRO86BW -- See Comments

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

4.	ERH1962	LCSD BA46973W	11/24/21	09:50	$86BTOTXDOD5W, $DOC53SGCW5LIQ, $DOC53W5LIQ, $GASBL, $GRO86BW, $SIM53LIQ51, $TOCW53 -- See Comments
5.	ERH1964	LCSD BA46974W	11/24/21	09:50	$86BTOTXDOD5W, $DOC53SGCW5LIQ, $DOC53W5LIQ, $GASBL, $GRO86BW, $SIM53LIQ51 -- See Comments
6.	ERH1959 BLANK	LCSD BA46975W	11/24/21	10:20	$RHBLKETBLK -- See Comments
7.	ERH1962 BLANK	LCSD BA46976W	11/24/21	09:50	$RHBLKETBLK -- See Comments
8.	ERH1964 BLANK	LCSD BA46977W	11/24/21	09:50	$RHBLKETBLK -- See Comments

APPL Sample Receipt Form

ARF# **98336**

Sample	Container Type	Count	p
BA46970	[13] VOAs - HCL	4	NA
BA46971	[13] VOAs - HCL	4	NA
	[17] Amber Liter	2	NA
	[32] Clear VOA - H2SO4	2	NA
	[39] Amber Liter, HCL prsvd	2	1.3
BA46972	[13] VOAs - HCL	4	NA
BA46973	[13] VOAs - HCL	4	NA
	[17] Amber Liter	2	NA
	[32] Clear VOA - H2SO4	2	NA
	[39] Amber Liter, HCL prsvd	2	1.3
BA46974	[13] VOAs - HCL	4	NA
	[17] Amber Liter	2	NA
	[39] Amber Liter, HCL prsvd	2	1.3
BA46975	[39] Amber Liter, HCL prsvd	1	NA
BA46976	[39] Amber Liter, HCL prsvd	1	NA
BA46977	[39] Amber Liter, HCL prsvd	1	NA

Sample	Container Type	Count	p

98336

CHAIN OF CUSTODY RECORD

1/5

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

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

C.O.C. 50087 NOI

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

Project Name/Number	Sampler (Print)
60571032.02.20.01	DM, AM, JK
Purchase Order Number	**Sampler (Signature)**
102604	Matthew Yim for DM, AM, JK

Sample Identification	Location	Date Collected	Time Collected	Time Zone	No. of Containers	Matrix: Aq	Matrix: Sed.	Matrix: Soil	Analysis Requested/Method Number: DRO/ORO by 8015	GRO by 8015	TPH-g/d/o by 8015	TPH-d/o by 8015	PAH short list 8270D SIM	TOC by 9060
ERH1958	Trip Blank	11/24/21	1005	HST	4	X			X	X				
ERH1959	RHMW2254-01	↓	1020	↓	10	X			X	X	X	X	X*	X
ERH1961	Trip Blank		0940		0	X			X	X				
ERH1962	RHSF		0950		2	X			X	X	X	X	X*	X
ERH1964	RHSF		0950		0	X			X	X	X	X	X*	

Date Shipped: 11/26/21
Carrier: FedEX
Waybill No.:
Comments: Note: Log NOI in separate SDG's from other COC's.
TPH-g/d/o and PAH's need liquid-liquid extraction;
*Naphthalene
1-methylnaphthalene
2-methylnaphthalene

AY 11/26/21

Shuttle Temperature:	Turnaround Requested: Check one	Sample Disposal:
R3: 2.0/0.1°C, 3.0/1.1°C	☐ Standard 2-3 wk ☑ One week ☐ 24/48 Hrs. ☐ Other	☐ Return to client ☑ Disposal by Lab (30-day retention)

Relinquished by sampler:	Date	Time	Received by:	Relinquished by:	Date	Time	Received by:
Relinquished by: Matthew Yim	11/26/21	1200		Relinquished by:	11-27	1210	Received at lab by: DH

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

See reverse side for Container Preservative and Sampling Information

APPL LABS

CHAIN OF CUSTODY RECORD

#3

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

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

215

C.O.C. 50088 NOI

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

Project Name/Number	Sampler (Print)
60571032.02.20.01	DM, AM, JK
Purchase Order Number	**Sampler (Signature)**
102604	Matthew Yim for DM, AM, JK

Sample Identification	Location	Date Collected	Time Collected	Time Zone	No. of Containers	Matrix: Aq	Matrix: Sed.	Matrix: Soil	Analysis Requested/Method Number: BTEX by 8260	TPH-G by 8260	TPH-d/o by 8015	TPH-d/o by 8015 SGC	PAH SIM by 8270D SIM	TOC by 9060	Date Shipped: 11/26/21 / Carrier: FedEX / Waybill No.: / Comments: Note: Log NOI in separate SDGs from other COCs.
ERH1958	Trip Blank	11/24/21	1005	HST	0	X			X	X					
ERH1959	RHMW2S4-01	↓	1020	↓	0	X			X	X	X	X	X*	X	
ERH1961	Trip Blank		0940		4	X			X	X					
ERH1962	RHSF		0950		8	X			X	X	X	X	X*	X	
ERH1964	RHSF	↓	0950	✓	8	X			X	X	X	X	X*		

TPH-d/o and PAHs need liquid-liquid extraction;
*Naphthalene
1-methylnaphthalene
2-methylnaphthalene

MY 11/26/21

Shuttle Temperature:	Turnaround Requested: Check one	Sample Disposal:
R3: 3.0/1.1	☐ Standard 2-3 wk ☑ One week ☐ 24/48 Hrs. ☐ Other	☐ Return to client ☑ Disposal by Lab (30-day retention)

Relinquished by sampler:	Date	Time	Received by:	Relinquished by:	Date	Time	Received by:
Relinquished by:	**Date**	**Time**	**Received by:**	**Relinquished by:**	**Date**	**Time**	**Received at lab by:**
Matthew Yim	11/26/21	1200			11-27	1210	Dallas Hatcher

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

See reverse side for Container Preservative and Sampling Information

COOLER RECEIPT FORM **ARF: 98336**

1) Project: 60571032 CV18F0126 Red Hill Fuel Storage Date Received: 11/27/2021

2) Coolers: Number of Coolers: 2

3) YES Were custody seals present and intact?
How many? 6 Name/Date on seal? see below

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

5) Type of packing in cooler: X bubble wrap __popcorn __foam X plastic bags __other
X wet ice __dry ice __no ice __gel ice

6) YES Were cooler temperatures acceptable?

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

8) Cooler temp(s): In °C. Thermometer Temp / Corrected Temp
1: 3.0/1.1 2: 2.0/0.1 3: ____ 4: ____ 5: ____ 6: ____
7: ____ 8: ____ 9: ____ 10: ____ 11: ____ 12: ____

Chain of custody:

9) YES Was a chain of custody received?

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

Sample Labels:

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

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

Sample Containers:

13) YES Were all containers sealed in separate bags?

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

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

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

17) Yes Were bubbles present in volatile samples?
If yes, the following were received with air bubbles:
Larger than a pea: ____
Smaller than a pea: BA46970W W04, BA46973W W03-W04

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: HC046681
Lab notified if pH was not adequate: ____

Notes/Deficiencies:

CUSTODY SEAL NOT SIS
APPL, Inc. (559) 275-2175
Initials MY **Date** 11/26/21

Personnel receiving samples: DH Second reviewer: MS
Personnel labeling samples: CH
Project manager notified: DH Date/Time of notification 11/27/2021
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: 98336

Sample ID: ERH1959

APPL ID BA46971

Sample Collection Date: 11/24/21

QCG: #DOC53-211201A-271562

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	12/01/21	12/04/21
EPA 8015B-e	OIL (C24-C40)	300.0 U	320	300.0	150.0	ug/L	12/01/21	12/04/21
EPA 8015B-e	SURROGATE: (R) DECANOIC ACID (S)	0.0	0-1			%	12/01/21	12/04/21
EPA 8015B-e	SURROGATE: OCTACOSANE (S)	125	60-142			%	12/01/21	12/04/21
EPA 8015B-e	SURROGATE: ORTHO-TERPHENYL (S	96.5	56-125			%	12/01/21	12/04/21

Quant Method:	DEC0911.M
Run #:	1202088
Instrument:	Apollo
Sequence:	211202
Dilution Factor:	1
Initials:	KAB

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

EPA 8015B TPH LIQ-LIQ

AECOM
1001 Bishop Street, Suite 1600
Honolulu, HI 96813

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 98336

Sample ID: ERH1959

APPL ID BA46971

Sample Collection Date: 11/24/21

QCG: #DOC53-211201A1-272069

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	12/01/21	12/15/21
EPA 8015B-e	OIL (C24-C40)	170 B J	320	300.0	150.0	ug/L	12/01/21	12/15/21
EPA 8015B-e	SURROGATE: OCTACOSANE (S)	104	60-142			%	12/01/21	12/15/21
EPA 8015B-e	SURROGATE: ORTHO-TERPHENYL (S	83.5	56-125			%	12/01/21	12/15/21

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

Quant Method:	DOC1212.M
Run #:	1215030
Instrument:	Apollo
Sequence:	211215
Dilution Factor:	1
Initials:	KAB

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

EPA 8015B TPH WATER L-L SGC

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Honolulu, HI 96813

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 98336

Sample ID: ERH1962

APPL ID BA46973

Sample Collection Date: 11/24/21

QCG: #DOC53-211201A-271562

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	12/01/21	12/04/21
EPA 8015B-e	OIL (C24-C40)	300.0 U	320	300.0	150.0	ug/L	12/01/21	12/04/21
EPA 8015B-e	SURROGATE: (R) DECANOIC ACID (S)	0.0	0-1			%	12/01/21	12/04/21
EPA 8015B-e	SURROGATE: OCTACOSANE (S)	85.4	60-142			%	12/01/21	12/04/21
EPA 8015B-e	SURROGATE: ORTHO-TERPHENYL (S	66.6	56-125			%	12/01/21	12/04/21

Quant Method:	DEC0911.M
Run #:	1202089
Instrument:	Apollo
Sequence:	211202
Dilution Factor:	1
Initials:	KAB

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

EPA 8015B TPH LIQ-LIQ

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APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 98336

Sample ID: ERH1962

APPL ID BA46973

Sample Collection Date: 11/24/21

QCG: #DOC53-211201A1-272069

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	12/01/21	12/15/21
EPA 8015B-e	OIL (C24-C40)	300.0 U	320	300.0	150.0	ug/L	12/01/21	12/15/21
EPA 8015B-e	SURROGATE: OCTACOSANE (S)	102	60-142			%	12/01/21	12/15/21
EPA 8015B-e	SURROGATE: ORTHO-TERPHENYL (S	82.0	56-125			%	12/01/21	12/15/21

Quant Method:	DOC1212.M
Run #:	1215031
Instrument:	Apollo
Sequence:	211215
Dilution Factor:	1
Initials:	KAB

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

EPA 8015B TPH WATER L-L SGC

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908 North Temperance Avenue
Clovis, CA 93611

Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 98336

Sample ID: ERH1964

APPL ID BA46974

Sample Collection Date: 11/24/21

QCG: #DOC53-211201A-271562

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	12/01/21	12/04/21
EPA 8015B-e	OIL (C24-C40)	300.0 U	320	300.0	150.0	ug/L	12/01/21	12/04/21
EPA 8015B-e	SURROGATE: (R) DECANOIC ACID (S)	0.0	0-1			%	12/01/21	12/04/21
EPA 8015B-e	SURROGATE: OCTACOSANE (S)	78.3	60-142			%	12/01/21	12/04/21
EPA 8015B-e	SURROGATE: ORTHO-TERPHENYL (S	61.0	56-125			%	12/01/21	12/04/21

Quant Method:	DEC0911.M
Run #:	1202090
Instrument:	Apollo
Sequence:	211202
Dilution Factor:	1
Initials:	KAB

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

EPA 8015B TPH LIQ-LIQ

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APPL Inc.
908 North Temperance Avenue
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Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 98336

Sample ID: ERH1964

APPL ID BA46974

Sample Collection Date: 11/24/21

QCG: #DOC53-211201A1-272069

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	12/01/21	12/16/21
EPA 8015B-e	OIL (C24-C40)	160 B J	320	300.0	150.0	ug/L	12/01/21	12/16/21
EPA 8015B-e	SURROGATE: OCTACOSANE (S)	105	60-142			%	12/01/21	12/16/21
EPA 8015B-e	SURROGATE: ORTHO-TERPHENYL (S	83.5	56-125			%	12/01/21	12/16/21

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

Quant Method:	DOC1212.M
Run #:	1215032
Instrument:	Apollo
Sequence:	211215
Dilution Factor:	1
Initials:	KAB

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

EPA 8015B TPH LIQ-LIQ

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Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 98336

Sample ID: ERH1959 BLANK

APPL ID BA46975

Sample Collection Date: 11/24/21

QCG: #RHBLK-211130A-271662

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	11/30/21	12/03/21
EPA 8015B-e	OIL (C24-C40)	300.0 U	320	300.0	150.0	ug/L	11/30/21	12/03/21
EPA 8015B-e	SURROGATE: OCTACOSANE (S)	102	60-142			%	11/30/21	12/03/21
EPA 8015B-e	SURROGATE: ORTHO-TERPHENYL (S	81.3	56-125			%	11/30/21	12/03/21

Quant Method:	DOC1028.M
Run #:	1202050
Instrument:	Apollo
Sequence:	211202
Dilution Factor:	1
Initials:	KAB

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

EPA 8015B TPH LIQ-LIQ

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908 North Temperance Avenue
Clovis, CA 93611

Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 98336

Sample ID: ERH1962 BLANK

APPL ID BA46976

Sample Collection Date: 11/24/21

QCG: #RHBLK-211130A-271662

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	11/30/21	12/03/21
EPA 8015B-e	OIL (C24-C40)	300.0 U	320	300.0	150.0	ug/L	11/30/21	12/03/21
EPA 8015B-e	SURROGATE: OCTACOSANE (S)	95.5	60-142			%	11/30/21	12/03/21
EPA 8015B-e	SURROGATE: ORTHO-TERPHENYL (S	76.3	56-125			%	11/30/21	12/03/21

Quant Method:	DOC1028.M
Run #:	1202051
Instrument:	Apollo
Sequence:	211202
Dilution Factor:	1
Initials:	KAB

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

EPA 8015B TPH LIQ-LIQ

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Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 98336

Sample ID: ERH1964 BLANK

APPL ID BA46977

Sample Collection Date: 11/24/21

QCG: #RHBLK-211130A-271662

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	11/30/21	12/03/21
EPA 8015B-e	OIL (C24-C40)	300.0 U	320	300.0	150.0	ug/L	11/30/21	12/03/21
EPA 8015B-e	SURROGATE: OCTACOSANE (S)	108	60-142			%	11/30/21	12/03/21
EPA 8015B-e	SURROGATE: ORTHO-TERPHENYL (S	85.9	56-125			%	11/30/21	12/03/21

Quant Method:	DOC1028.M
Run #:	1202052
Instrument:	Apollo
Sequence:	211202
Dilution Factor:	1
Initials:	KAB

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

EPA 8270D SIM LIQ-LIQ

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Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 98336

Sample ID: ERH1959

APPL ID: BA46971

Sample Collection Date: 11/24/21

QCG: #SIM53-211129AK-271179

Method	Analyte	Result	LOQ	LOD	DL	Units	Extraction Date	Analysis Date
8270D-SIM	1-METHYLNAPHTHALENE	0.17 J	0.2	0.10	0.04	ug/L	11/29/21	12/01/21
8270D-SIM	2-METHYLNAPHTHALENE	0.19 J	0.2	0.10	0.04	ug/L	11/29/21	12/01/21
8270D-SIM	NAPHTHALENE	0.12 J	0.2	0.10	0.04	ug/L	11/29/21	12/01/21
8270D-SIM	SURROGATE: 2-METHYLNAPHTHALEN	97.3	39-114			%	11/29/21	12/01/21
8270D-SIM	SURROGATE: FLUORANTHENE-D10 (S	89.5	58-120			%	11/29/21	12/01/21

J = Estimated value.

Quant Method:	K1019.M
Run #:	1124K065
Instrument:	KYLO
Sequence:	211124
Dilution Factor:	1
Initials:	LSI

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

EPA 8270D SIM LIQ-LIQ

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908 North Temperance Avenue
Clovis, CA 93611

Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 98336

Sample ID: ERH1962

APPL ID: BA46973

Sample Collection Date: 11/24/21

QCG: #SIM53-211129AK-271179

Method	Analyte	Result	LOQ	LOD	DL	Units	Extraction Date	Analysis Date
8270D-SIM	1-METHYLNAPHTHALENE	0.055 J	0.2	0.10	0.04	ug/L	11/29/21	12/01/21
8270D-SIM	2-METHYLNAPHTHALENE	0.061 J	0.2	0.10	0.04	ug/L	11/29/21	12/01/21
8270D-SIM	NAPHTHALENE	0.10 U	0.2	0.10	0.04	ug/L	11/29/21	12/01/21
8270D-SIM	SURROGATE: 2-METHYLNAPHTHALEN	109	39-114			%	11/29/21	12/01/21
8270D-SIM	SURROGATE: FLUORANTHENE-D10 (S	91.0	58-120			%	11/29/21	12/01/21

J = Estimated value.

Quant Method:	K1019.M
Run #:	1124K066
Instrument:	KYLO
Sequence:	211124
Dilution Factor:	1
Initials:	LSI

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

EPA 8270D SIM LIQ-LIQ

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Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 98336

Sample ID: ERH1964

APPL ID: BA46974

Sample Collection Date: 11/24/21

QCG: #SIM53-211129AK-271179

Method	Analyte	Result	LOQ	LOD	DL	Units	Extraction Date	Analysis Date
8270D-SIM	1-METHYLNAPHTHALENE	0.063 J	0.2	0.10	0.04	ug/L	11/29/21	12/01/21
8270D-SIM	2-METHYLNAPHTHALENE	0.070 J	0.2	0.10	0.04	ug/L	11/29/21	12/01/21
8270D-SIM	NAPHTHALENE	0.043 J	0.2	0.10	0.04	ug/L	11/29/21	12/01/21
8270D-SIM	SURROGATE: 2-METHYLNAPHTHALEN	111	39-114			%	11/29/21	12/01/21
8270D-SIM	SURROGATE: FLUORANTHENE-D10 (S	92.7	58-120			%	11/29/21	12/01/21

J = Estimated value.

Quant Method:	K1019.M
Run #:	1124K067
Instrument:	KYLO
Sequence:	211124
Dilution Factor:	1
Initials:	LSI

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

EPA 8260B BTEX WATER

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Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 98336

Sample ID: ERH1958

APPL ID: BA46970

Sample Collection Date: 11/24/21

QCG: #86BTO-AZ211207-271380

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	12/07/21	12/07/21
EPA 8260B	ETHYLBENZENE	0.50 U	1.0	0.50	0.23	ug/L	12/07/21	12/07/21
EPA 8260B	TOLUENE	0.30 U	1.0	0.30	0.15	ug/L	12/07/21	12/07/21
EPA 8260B	XYLENES (TOTAL)	0.30 U	2.0	0.30	0.15	ug/L	12/07/21	12/07/21
EPA 8260B	SURROGATE: 1,2-DICHLOROETHANE-	114	81-118			%	12/07/21	12/07/21
EPA 8260B	SURROGATE: 4-BROMOFLUOROBENZ	102	85-114			%	12/07/21	12/07/21
EPA 8260B	SURROGATE: DIBROMOFLUOROMETH	108	80-119			%	12/07/21	12/07/21
EPA 8260B	SURROGATE: TOLUENE-D8 (S)	101	89-112			%	12/07/21	12/07/21

Quant Method: Z120621W.M
Run #: 1207Z09
Instrument: Zeus
Sequence: 211206
Dilution Factor: 1
Initials: PAN

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

EPA 8260B BTEX WATER

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Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 98336

Sample ID: ERH1959

APPL ID: BA46971

Sample Collection Date: 11/24/21

QCG: #86BTO-AZ211207-271380

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	12/07/21	12/07/21
EPA 8260B	ETHYLBENZENE	0.50 U	1.0	0.50	0.23	ug/L	12/07/21	12/07/21
EPA 8260B	TOLUENE	0.30 U	1.0	0.30	0.15	ug/L	12/07/21	12/07/21
EPA 8260B	XYLENES (TOTAL)	0.30 U	2.0	0.30	0.15	ug/L	12/07/21	12/07/21
EPA 8260B	SURROGATE: 1,2-DICHLOROETHANE-	114	81-118			%	12/07/21	12/07/21
EPA 8260B	SURROGATE: 4-BROMOFLUOROBENZ	101	85-114			%	12/07/21	12/07/21
EPA 8260B	SURROGATE: DIBROMOFLUOROMETH	106	80-119			%	12/07/21	12/07/21
EPA 8260B	SURROGATE: TOLUENE-D8 (S)	99.3	89-112			%	12/07/21	12/07/21

Quant Method: Z120621W.M
Run #: 1207Z10
Instrument: Zeus
Sequence: 211206
Dilution Factor: 1
Initials: PAN

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

EPA 8260B BTEX WATER

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Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 98336

Sample ID: ERH1961

APPL ID: BA46972

Sample Collection Date: 11/24/21

QCG: #86BTO-AZ211207-271380

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	12/07/21	12/07/21
EPA 8260B	ETHYLBENZENE	0.50 U	1.0	0.50	0.23	ug/L	12/07/21	12/07/21
EPA 8260B	TOLUENE	0.30 U	1.0	0.30	0.15	ug/L	12/07/21	12/07/21
EPA 8260B	XYLENES (TOTAL)	0.30 U	2.0	0.30	0.15	ug/L	12/07/21	12/07/21
EPA 8260B	SURROGATE: 1,2-DICHLOROETHANE-	115	81-118			%	12/07/21	12/07/21
EPA 8260B	SURROGATE: 4-BROMOFLUOROBENZ	100	85-114			%	12/07/21	12/07/21
EPA 8260B	SURROGATE: DIBROMOFLUOROMETH	108	80-119			%	12/07/21	12/07/21
EPA 8260B	SURROGATE: TOLUENE-D8 (S)	99.8	89-112			%	12/07/21	12/07/21

Quant Method: Z120621W.M
Run #: 1207Z11
Instrument: Zeus
Sequence: 211206
Dilution Factor: 1
Initials: PAN

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

EPA 8260B BTEX WATER

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Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 98336

Sample ID: ERH1962

APPL ID: BA46973

Sample Collection Date: 11/24/21

QCG: #86BTO-AZ211207-271380

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	12/07/21	12/07/21
EPA 8260B	ETHYLBENZENE	0.50 U	1.0	0.50	0.23	ug/L	12/07/21	12/07/21
EPA 8260B	TOLUENE	0.30 U	1.0	0.30	0.15	ug/L	12/07/21	12/07/21
EPA 8260B	XYLENES (TOTAL)	0.30 U	2.0	0.30	0.15	ug/L	12/07/21	12/07/21
EPA 8260B	SURROGATE: 1,2-DICHLOROETHANE-	115	81-118			%	12/07/21	12/07/21
EPA 8260B	SURROGATE: 4-BROMOFLUOROBENZ	101	85-114			%	12/07/21	12/07/21
EPA 8260B	SURROGATE: DIBROMOFLUOROMETH	110	80-119			%	12/07/21	12/07/21
EPA 8260B	SURROGATE: TOLUENE-D8 (S)	99.9	89-112			%	12/07/21	12/07/21

Quant Method: Z120621W.M
Run #: 1207Z12
Instrument: Zeus
Sequence: 211206
Dilution Factor: 1
Initials: PAN

Printed: 12/10/2021 10:07:33 AM

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

EPA 8260B BTEX WATER

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Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 98336

Sample ID: ERH1964

APPL ID: BA46974

Sample Collection Date: 11/24/21

QCG: #86BTO-AZ211207-271380

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	12/07/21	12/07/21
EPA 8260B	ETHYLBENZENE	0.50 U	1.0	0.50	0.23	ug/L	12/07/21	12/07/21
EPA 8260B	TOLUENE	0.30 U	1.0	0.30	0.15	ug/L	12/07/21	12/07/21
EPA 8260B	XYLENES (TOTAL)	0.30 U	2.0	0.30	0.15	ug/L	12/07/21	12/07/21
EPA 8260B	SURROGATE: 1,2-DICHLOROETHANE-	116	81-118			%	12/07/21	12/07/21
EPA 8260B	SURROGATE: 4-BROMOFLUOROBENZ	102	85-114			%	12/07/21	12/07/21
EPA 8260B	SURROGATE: DIBROMOFLUOROMETH	110	80-119			%	12/07/21	12/07/21
EPA 8260B	SURROGATE: TOLUENE-D8 (S)	101	89-112			%	12/07/21	12/07/21

Quant Method: Z120621W.M
Run #: 1207Z13
Instrument: Zeus
Sequence: 211206
Dilution Factor: 1
Initials: PAN

Printed: 12/10/2021 10:07:33 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: 98336

Sample ID: ERH1958

APPL ID: BA46970

Sample Collection Date: 11/24/21

QCG: #GRO86-211207AZ-271513

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	12/07/21	12/07/21
EPA 8260B	SURROGATE: 4-BROMOFLUOROBENZ	102	85-114			%	12/07/21	12/07/21

Quant Method:	ZGAS1206.M
Run #:	1207Z09
Instrument:	Zeus
Sequence:	211206
Dilution Factor:	1
Initials:	PAN

Printed: 12/10/2021 11:45:02 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: 98336

Sample ID: ERH1959

APPL ID: BA46971

Sample Collection Date: 11/24/21

QCG: #GRO86-211207AZ-271513

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	12/07/21	12/07/21
EPA 8260B	SURROGATE: 4-BROMOFLUOROBENZ	101	85-114			%	12/07/21	12/07/21

Quant Method:	ZGAS1206.M
Run #:	1207Z10
Instrument:	Zeus
Sequence:	211206
Dilution Factor:	1
Initials:	PAN

Printed: 12/10/2021 11:45:02 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: 98336

Sample ID: ERH1961

APPL ID: BA46972

Sample Collection Date: 11/24/21

QCG: #GRO86-211207AZ-271513

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	12/07/21	12/07/21
EPA 8260B	SURROGATE: 4-BROMOFLUOROBENZ	100	85-114			%	12/07/21	12/07/21

Quant Method:	ZGAS1206.M
Run #:	1207Z11
Instrument:	Zeus
Sequence:	211206
Dilution Factor:	1
Initials:	PAN

Printed: 12/10/2021 11:45:02 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: 98336

Sample ID: ERH1962

APPL ID: BA46973

Sample Collection Date: 11/24/21

QCG: #GRO86-211207AZ-271513

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	12/07/21	12/07/21
EPA 8260B	SURROGATE: 4-BROMOFLUOROBENZ	101	85-114			%	12/07/21	12/07/21

Quant Method:	ZGAS1206.M
Run #:	1207Z12
Instrument:	Zeus
Sequence:	211206
Dilution Factor:	1
Initials:	PAN

Printed: 12/10/2021 11:45:02 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: 98336

Sample ID: ERH1964

APPL ID: BA46974

Sample Collection Date: 11/24/21

QCG: #GRO86-211207AZ-271513

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	12/07/21	12/07/21
EPA 8260B	SURROGATE: 4-BROMOFLUOROBENZ	102	85-114			%	12/07/21	12/07/21

Quant Method:	ZGAS1206.M
Run #:	1207Z13
Instrument:	Zeus
Sequence:	211206
Dilution Factor:	1
Initials:	PAN

Printed: 12/10/2021 11:45:02 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: ERH1959

APPL ID: BA46971

Sample Collection Date: 11/24/2021

ARF: 98336

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	11/29/21	11/29/21

Printed: 12/1/2021 8:40:23 AM

APPL-F1-SC-NoMC-REG MDLs

Wet Lab Analysis

AECOM
1001 Bishop Street, Suite 1600
Honolulu, HI 96813

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

Sample ID: ERH1962

APPL ID: BA46973

Sample Collection Date: 11/24/2021

ARF: 98336

Method	Analyte	Result	LOQ	LOD	DL	Units	DF	Prep Date	Analysis Date
SW846 9060A	TOTAL ORGANIC CARBON	0.19 J	0.93	0.350	0.130	mg/L	1	11/29/21	11/29/21

J = Estimated value.

Printed: 12/1/2021 8:40:23 AM

APPL-F1-SC-NoMC-REG MDLs

QC FORMS

EPA 8015B-eHL

Form 2 & 8

Surrogate Recovery

Lab Name: APPL, Inc. SDG No: 98336

Case No: 98336 Date Analyzed: 12/4/2021

Matrix: WATER Instrument: Apollo

APPL ID.	Client Sample No.	SURROGATE: (R) DECANOIC ACID (S)			SURROGATE: OCTACOSANE (S)		
		Limits	Result	Qualifier	Limits	Result	Qualifier
211201A-BLK	Blank	0-1	0.0		60-142	78.9	
211201A-LCS	Lab Control Spike	0-1	0.0		60-142	90.7	
211201A-LCSD	Lab Control SpikeD	0-1	0.0		60-142	82.7	
BA46971	ERH1959	0-1	0.0		60-142	125	
BA46973	ERH1962	0-1	0.0		60-142	85.4	
BA46974	ERH1964	0-1	0.0		60-142	78.3	

Comments: Batch: #DOC53-211201A

EPA 8015B-eHL

Form 2 & 8

Surrogate Recovery

Lab Name: APPL, Inc. SDG No: 98336

Case No: 98336 Date Analyzed: 12/4/2021

Matrix: WATER Instrument: Apollo

APPL ID.	Client Sample No.	SURROGATE: ORTHO-TERPHENYL (S)					
		Limits	Result	Qualifier	Limits	Result	Qualifier
211201A-BLK	Blank	56-125	59.8				
211201A-LCS	Lab Control Spike	56-125	69.3				
211201A-LCSD	Lab Control SpikeD	56-125	63.7				
BA46971	ERH1959	56-125	96.5				
BA46973	ERH1962	56-125	66.6				
BA46974	ERH1964	56-125	61.0				

Comments: Batch: #DOC53-211201A

EPA 8015B-eHL

Form 2 & 8

Surrogate Recovery

Lab Name: APPL, Inc. SDG No: 98336

Case No: 98336 Date Analyzed: 12/15/2021

Matrix: WATER Instrument: Apollo

APPL ID.	Client Sample No.	SURROGATE: OCTACOSANE (S)			SURROGATE: ORTHO-TERPHENYL (S)		
		Limits	Result	Qualifier	Limits	Result	Qualifier
211201A1-BLK	Blank	60-142	106		56-125	84.5	
211201A1-LCS	Lab Control Spike	60-142	111		56-125	101	
211201A1-LCSD	Lab Control SpikeD	60-142	107		56-125	96.7	
BA46971	ERH1959	60-142	104		56-125	83.5	
BA46973	ERH1962	60-142	102		56-125	82.0	
BA46974	ERH1964	60-142	105		56-125	83.5	

Comments: Batch: #DOC53-211201A1

EPA 8015B-eHL

Form 2 & 8

Surrogate Recovery

Lab Name: APPL, Inc. SDG No: 98336

Case No: 98336 Date Analyzed: 12/3/2021

Matrix: WATER Instrument: Apollo

APPL ID.	Client Sample No.	SURROGATE: OCTACOSANE (S)			SURROGATE: ORTHO-TERPHENYL (S)		
		Limits	Result	Qualifier	Limits	Result	Qualifier
211130A-BLK	Blank	60-142	94.8		56-125	75.1	
211130A-LCS	Lab Control Spike	60-142	91.3		56-125	72.7	
211130A-LCSD	Lab Control SpikeD	60-142	97.3		56-125	77.3	
BA46975	ERH1959 BLANK	60-142	102		56-125	81.3	
BA46976	ERH1962 BLANK	60-142	95.5		56-125	76.3	
BA46977	ERH1964 BLANK	60-142	108		56-125	85.9	

Comments: Batch: #RHBLK-211130A

EPA 8015B-eH

Form 4

Blank Summary

Lab Name: APPL, Inc. SDG No: 98336

Case No: 98336 Date Analyzed: 12/4/2021

Matrix: WATER Instrument: Apollo

Blank ID: 211201A-BLK Time Analyzed: 0542

APPL ID.	Client Sample No.	File ID.	Date Analyzed
211201A-BLK	Blank	1202085	12/4/2021 0542
211201A-LCS	Lab Control Spike	1202086	12/4/2021 0610
211201A-LCSD	Lab Control SpikeD	1202087	12/4/2021 0638
BA46971	ERH1959	1202088	12/4/2021 0707
BA46973	ERH1962	1202089	12/4/2021 0735
BA46974	ERH1964	1202090	12/4/2021 0803

Comments: Batch: #DOC53-211201A

EPA 8015B-eH

Form 4

Blank Summary

Lab Name: APPL, Inc. SDG No: 98336

Case No: 98336 Date Analyzed: 12/15/2021

Matrix: WATER Instrument: Apollo

Blank ID: 211201A1-BLK Time Analyzed: 2145

APPL ID.	Client Sample No.	File ID.	Date Analyzed
211201A1-BLK	Blank	1215027	12/15/2021 2145
211201A1-LCS	Lab Control Spike	1215028	12/15/2021 2213
211201A1-LCSD	Lab Control SpikeD	1215029	12/15/2021 2241
BA46971	ERH1959	1215030	12/15/2021 2309
BA46973	ERH1962	1215031	12/15/2021 2337
BA46974	ERH1964	1215032	12/16/2021 0005

Comments: Batch: #DOC53-211201A1

EPA 8015B-eH

Form 4

Blank Summary

Lab Name: APPL, Inc. SDG No: 98336

Case No: 98336 Date Analyzed: 12/3/2021

Matrix: WATER Instrument: Apollo

Blank ID: 211130A-BLK Time Analyzed: 1148

APPL ID.	Client Sample No.	File ID.	Date Analyzed
211130A-BLK	Blank	1202047	12/3/2021 1148
211130A-LCS	Lab Control Spike	1202048	12/3/2021 1217
211130A-LCSD	Lab Control SpikeD	1202049	12/3/2021 1245
BA46975	ERH1959 BLANK	1202050	12/3/2021 1313
BA46976	ERH1962 BLANK	1202051	12/3/2021 1342
BA46977	ERH1964 BLANK	1202052	12/3/2021 1410

Comments: Batch: #RHBLK-211130A

Method Blank
EPA 8015B TPH WATER L-L SGC

Blank Name/QCG: **211201W-46971 - 271562**
Batch ID #DOC53-211201A

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	12/1/2021	12/4/2021
BLANK	OIL (C24-C40)	300.0 U	320	300.0	150.0	ug/L	12/1/2021	12/4/2021
BLANK	SURROGATE: (R) DECANOIC A	0.0	0-1			%	12/1/2021	12/4/2021
BLANK	SURROGATE: OCTACOSANE (S	78.9	60-142			%	12/1/2021	12/4/2021
BLANK	SURROGATE: ORTHO-TERPHE	59.8	56-125			%	12/1/2021	12/4/2021

Quant Method: DEC0911.M
Run #: 1202085
Instrument: Apollo
Sequence: 211202
Initials: KAB

GC SC-Blank-REG MDLs-DOD
Printed: 1/7/2022 8:06:41 AM

Method Blank
EPA 8015B TPH LIQ-LIQ

Blank Name/QCG: **211130W-46975 - 271662**
Batch ID #RHBLK-211130A

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	11/30/2021	12/3/2021
BLANK	OIL (C24-C40)	300.0 U	320	300.0	150.0	ug/L	11/30/2021	12/3/2021
BLANK	SURROGATE: OCTACOSANE (S	94.8	60-142			%	11/30/2021	12/3/2021
BLANK	SURROGATE: ORTHO-TERPHE	75.1	56-125			%	11/30/2021	12/3/2021

Quant Method: DOC1028.M
Run #: 1202047
Instrument: Apollo
Sequence: 211202
Initials: KAB

GC SC-Blank-REG MDLs-DOD
Printed: 1/7/2022 8:06:41 AM

Method Blank
EPA 8015B TPH LIQ-LIQ

Blank Name/QCG: **211201W-46971 - 272069**
Batch ID #DOC53-211201A1

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	12/1/2021	12/15/2021
BLANK	OIL (C24-C40)	170 J	320	300.0	150.0	ug/L	12/1/2021	12/15/2021
BLANK	SURROGATE: OCTACOSANE (S	106	60-142			%	12/1/2021	12/15/2021
BLANK	SURROGATE: ORTHO-TERPHE	84.5	56-125			%	12/1/2021	12/15/2021

J = Estimated value.

Quant Method: DOC1212.M
Run #: 1215027
Instrument: Apollo
Sequence: 211215
Initials: KAB

GC SC-Blank-REG MDLs-DOD
Printed: 1/7/2022 8:06:41 AM

EPA 8015B-eH

Form 4

LCS Summary

Lab Name:	APPL, Inc.	SDG No:	98336
Case No:	98336	Date Analyzed:	12/4/2021
Matrix:	WATER	Instrument:	Apollo
LCS ID:	211201A-LCS	Time Analyzed:	0610

APPL ID.	Client Sample No.	File ID.	Date Analyzed
211201A-BLK	Blank	1202085	12/4/2021 0542
211201A-LCS	Lab Control Spike	1202086	12/4/2021 0610
211201A-LCSD	Lab Control SpikeD	1202087	12/4/2021 0638
BA46971	ERH1959	1202088	12/4/2021 0707
BA46973	ERH1962	1202089	12/4/2021 0735
BA46974	ERH1964	1202090	12/4/2021 0803

Comments: Batch: #DOC53-211201A

EPA 8015B-eH

Form 4

LCS Summary

Lab Name: APPL, Inc. SDG No: 98336

Case No: 98336 Date Analyzed: 12/15/2021

Matrix: WATER Instrument: Apollo

LCS ID: 211201A1-LCS Time Analyzed: 2213

APPL ID.	Client Sample No.	File ID.	Date Analyzed
211201A1-BLK	Blank	1215027	12/15/2021 2145
211201A1-LCS	Lab Control Spike	1215028	12/15/2021 2213
211201A1-LCSD	Lab Control SpikeD	1215029	12/15/2021 2241
BA46971	ERH1959	1215030	12/15/2021 2309
BA46973	ERH1962	1215031	12/15/2021 2337
BA46974	ERH1964	1215032	12/16/2021 0005

Comments: Batch: #DOC53-211201A1

EPA 8015B-eH

Form 4

LCS Summary

Lab Name: APPL, Inc. SDG No: 98336

Case No: 98336 Date Analyzed: 12/3/2021

Matrix: WATER Instrument: Apollo

LCS ID: 211130A-LCS Time Analyzed: 1217

APPL ID.	Client Sample No.	File ID.	Date Analyzed
211130A-BLK	Blank	1202047	12/3/2021 1148
211130A-LCS	Lab Control Spike	1202048	12/3/2021 1217
211130A-LCSD	Lab Control SpikeD	1202049	12/3/2021 1245
BA46975	ERH1959 BLANK	1202050	12/3/2021 1313
BA46976	ERH1962 BLANK	1202051	12/3/2021 1342
BA46977	ERH1964 BLANK	1202052	12/3/2021 1410

Comments: Batch: #RHBLK-211130A

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

APPL ID **211201W-46971 LCS - 271562**
Batch ID #DOC53-211201A

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	1960	1790	98.0	89.5	36-132	9.1	30
OIL (C24-C40)	2000	2330	2120	117 #	106	41-113	9.4	30
SURROGATE: (R) DECANOIC ACID (S)	10.00	0	0	0.0	0.0	0-1		
SURROGATE: OCTACOSANE (S)	150	136	124	90.7	82.7	60-142		
SURROGATE: ORTHO-TERPHENYL (S)	150	104	95.6	69.3	63.7	56-125		

= Recovery is outside QC limits.

Comments:

Primary	SPK	DUP
Quant Method :	DEC0911.M	DEC0911.M
Extraction Date :	12/1/2021	12/1/2021
Analysis Date :	12/4/2021	12/4/2021
Instrument :	Apollo	Apollo
Run :	1202086	1202087
Initials :	KAB	

Laboratory Control Spike Recoveries
EPA 8015B TPH LIQ-LIQ

APPL ID **211201W-46971 LCS - 272069**
Batch ID #DOC53-211201A1

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	2400	2250	120	113	36-132	6.5	30
OIL (C24-C40)	2000	2970	2890	149 #	145 #	41-113	2.7	30
SURROGATE: OCTACOSANE (S)	150	167	160	111	107	60-142		
SURROGATE: ORTHO-TERPHENYL (S)	150	152	145	101	96.7	56-125		

= Recovery is outside QC limits.

Comments:

Primary	SPK	DUP
Quant Method :	DOC1212.M	DOC1212.M
Extraction Date :	12/1/2021	12/1/2021
Analysis Date :	12/15/2021	12/15/2021
Instrument :	Apollo	Apollo
Run :	1215028	1215029
Initials :	KAB	

8270D-SIM

Form 2 & 8

Surrogate Recovery

Lab Name: APPL, Inc. SDG No: 98336

Case No: 98336 Date Analyzed: 12/1/2021

Matrix: WATER Instrument: KYLO

APPL ID.	Client Sample No.	SURROGATE: 2-METHYLNAPHTHALENE-D10 (S)			SURROGATE: FLUORANTHENE-D10 (S)		
		Limits	Result	Qualifier	Limits	Result	Qualifier
211129AK-BLK	Blank	39-114	88.4		58-120	95.5	
211129AK-LCS	Lab Control Spike	39-114	82.4		58-120	91.8	
211129AK-LCSD	Lab Control SpikeD	39-114	93.0		58-120	92.2	
BA46971	ERH1959	39-114	97.3		58-120	89.5	
BA46973	ERH1962	39-114	109		58-120	91.0	
BA46974	ERH1964	39-114	111		58-120	92.7	

Comments: Batch: #SIM53-211129AK

8270D-SIM

Form 4

Blank Summary

Lab Name: APPL, Inc. SDG No: 98336

Case No: 98336 Date Analyzed: 12/1/2021

Matrix: WATER Instrument: KYLO

Blank ID: 211129AK-BLK Time Analyzed: 1028

APPL ID.	Client Sample No.	File ID.	Date Analyzed
211129AK-BLK	Blank	1124K061	12/1/2021 1028
211129AK-LCS	Lab Control Spike	1124K062	12/1/2021 1047
211129AK-LCSD	Lab Control SpikeD	1124K063	12/1/2021 1107
BA46971	ERH1959	1124K065	12/1/2021 1147
BA46973	ERH1962	1124K066	12/1/2021 1207
BA46974	ERH1964	1124K067	12/1/2021 1227

Comments: Batch: #SIM53-211129AK

Method Blank
EPA 8270D SIM LIQ-LIQ

Blank Name/QCG: **211129W-46927 - 271179**
Batch ID: #SIM53-211129AK

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	11/29/2021	12/1/2021
BLANK	2-METHYLNAPHTHALENE	0.10 U	0.2	0.10	0.04	ug/L	11/29/2021	12/1/2021
BLANK	NAPHTHALENE	0.10 U	0.2	0.10	0.04	ug/L	11/29/2021	12/1/2021
BLANK	SURROGATE: 2-METHYLNAPHT	88.4	39-114			%	11/29/2021	12/1/2021
BLANK	SURROGATE: FLUORANTHENE-	95.5	58-120			%	11/29/2021	12/1/2021

Quant Method:K1019.M
Run #:1124K061
Instrument:KYLO
Sequence:211124
Initials:LSI

GC SC-Blank-REG MDLs-DOD
Printed: 12/27/2021 3:11:57 PM

8270D-SIM

Form 4

LCS Summary

Lab Name:	APPL, Inc.	SDG No:	98336
Case No:	98336	Date Analyzed:	12/1/2021
Matrix:	WATER	Instrument:	KYLO
LCS ID:	211129AK-LCS	Time Analyzed:	1047

APPL ID.	Client Sample No.	File ID.	Date Analyzed
211129AK-BLK	Blank	1124K061	12/1/2021 1028
211129AK-LCS	Lab Control Spike	1124K062	12/1/2021 1047
211129AK-LCSD	Lab Control SpikeD	1124K063	12/1/2021 1107
BA46971	ERH1959	1124K065	12/1/2021 1147
BA46973	ERH1962	1124K066	12/1/2021 1207
BA46974	ERH1964	1124K067	12/1/2021 1227

Comments: Batch: #SIM53-211129AK

Laboratory Control Spike Recoveries
EPA 8270D SIM LIQ-LIQ

APPL ID: **211129W-46927 LCS - 271179**
Batch ID: #SIM53-211129AK

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Compound Name	Spike Lvl ug/L	SPK Result ug/L	DUP Result ug/L	SPK % Recovery	DUP % Recovery	Recovery Limits	RPD %	RPD Limits
1-METHYLNAPHTHALENE	5.00	3.08	4.66	61.6	93.2	41-115	40.8 #	20
2-METHYLNAPHTHALENE	5.00	2.97	4.71	59.4	94.2	39-114	45.3 #	20
NAPHTHALENE	5.00	3.38	4.62	67.6	92.4	43-114	31.0 #	20
SURROGATE: 2-METHYLNAPHTHALEN	5.00	4.12	4.65	82.4	93.0	39-114		
SURROGATE: FLUORANTHENE-D10 (S)	5.00	4.59	4.61	91.8	92.2	58-120		

= Recovery is outside QC limits.

Comments:

Primary	SPK	DUP
Quant Method :	K1019.M	K1019.M
Extraction Date :	11/29/2021	11/29/2021
Analysis Date :	12/1/2021	12/1/2021
Instrument :	KYLO	KYLO
Run :	1124K062	1124K063
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 10/10/21	1019K002.D	10/19/2021 14:09
2		0.2 ug/ml 10/10/21	1019K003.D	10/19/2021 14:29
3		0.5 ug/ml 10/10/21	1019K004.D	10/19/2021 14:49
4		1 ug/ml 10/10/21	1019K005.D	10/19/2021 15:09
5		5 ug/ml 10/10/21	1019K006.D	10/19/2021 15:29
6		10 ug/ml 10/10/21	1019K007.D	10/19/2021 15:49
7		50 ug/ml 10/10/21	1019K008.D	10/19/2021 16:09
8		100 ug/ml 10/10/21	1019K009.D	10/19/2021 16:29
9		SS ug/ml 10/10/21	1019K010.D	10/19/2021 16:49
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				

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

Form 5
Tune Summary

Lab Name: APPL Inc. SDG No: 98336
Case No: 98336 Date Analyzed: 12/1/2021
Matrix: Water Instrument: KYLO
ID: 1124K059.D Time Analyzed: 9:56

	Client Sample No.	APPL ID.	File ID.	Date Analyzed
1		5 ug/ml 10/19/21 (2)	1124K060.D	12/1/2021 10:08
2	Blank	211129A BLK 1/1000	1124K061.D	12/1/2021 10:28
3	Lab Control Spike	211129A LCS-1 1/1000	1124K062.D	12/1/2021 10:47
4	Lab Control SpikeD	211129A LCSD-1 1/100	1124K063.D	12/1/2021 11:07
5	ERH1959	BA46971W07 1/950	1124K065.D	12/1/2021 11:47
6	ERH1962	BA46973W07 1/950	1124K066.D	12/1/2021 12:07
7	ERH1964	BA46974W07 1/950	1124K067.D	12/1/2021 12:27
8		5 ug/ml 10/19/21 (1)	1124K096.D	12/1/2021 22:06
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				

m/e		
51	9.95 - 80.1% of mass 198	37.7
68	0 - 2.05% of mass 69	1.9
70	0 - 2% of mass 69	0.5
127	10 - 80% of mass 198	56.8
197	0 - 2% of mass 198	0.7
198	100 - 100% of mass 198	100.0
199	5 - 9% of mass 198	6.7
275	10 - 60% of mass 198	21.2
365	1 - 100% of mass 198	2.1
441	0.01 - 24% of mass 442	14.4
442	50 - 500% of mass 198	60.3
443	15 - 24% of mass 442	18.9

8A
INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: APPL Inc. Contract:

Lab Code: SDG No.:

Lab File ID (Standard): 1124K060.D Date Analyzed: 1 Dec 21 10:08

Instrument ID: KYLO Time Analyzed: 1 Dec 21 10:08

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	10556	3.86	5012	5.79	7449	7.49
	UPPER LIMIT	21112	4.03	10024	5.96	14898	7.66
	LOWER LIMIT	5278	3.69	2506	5.62	3725	7.32
	SAMPLE NO.						
01	211129A BLK 1/1000	10121	3.86	4869	5.79	7517	7.49
02	211129A LCS-1 1/1000	10677	3.86	5170	5.79	8059	7.49
03	211129A LCSD-1 1/100	10411	3.86	5102	5.79	8060	7.49
04	BA46971W07 1/950	9778	3.86	5013	5.79	8360	7.49
05	BA46973W07 1/950	9145	3.86	4752	5.79	8182	7.49
06	BA46974W07 1/950	8395	3.86	4359	5.79	7686	7.49
07	5 ug/ml 10/19/21 (1)	15373	3.86	7614	5.79	11236	7.49
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): 1124K060.D Date Analyzed: 1 Dec 21 10:08

Instrument ID: KYLO Time Analyzed: 1 Dec 21 10:08

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

		Chrysene-D12(IS)		Perylene-D12(IS)			
		AREA #	RT #	AREA #	RT #	AREA #	RT #
	12 HOUR STD	9092	10.54	8374	12.71		
	UPPER LIMIT	18184	10.71	16748	12.88		
	LOWER LIMIT	4546	10.37	4187	12.54		
	SAMPLE NO.						
01	211129A BLK 1/1000	8794	10.55	8022	12.71		
02	211129A LCS-1 1/1000	9659	10.54	8895	12.71		
03	211129A LCSD-1 1/100	9628	10.54	8737	12.71		
04	BA46971W07 1/950	9761	10.54	8611	12.71		
05	BA46973W07 1/950	9574	10.54	8468	12.71		
06	BA46974W07 1/950	9162	10.55	8100	12.71		
07	5 ug/ml 10/19/21 (1)	13098	10.54	11557	12.71		
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: 98336

Case No: 98336 Date Analyzed: 12/7/2021

Matrix: WATER Instrument: Zeus

APPL ID.	Client Sample No.	SURROGATE: 1,2-DICHLOROETHANE-D4 (S)			SURROGATE: 4-BROMOFLUOROBENZENE (S)		
		Limits	Result	Qualifier	Limits	Result	Qualifier
AZ211207-LCS	Lab Control Spike	81-118	109		85-114	103	
AZ211207-LCSD	Lab Control SpikeD	81-118	109		85-114	102	
AZ211207-BLK	Blank	81-118	112		85-114	101	
BA46970	ERH1958	81-118	114		85-114	102	
BA46971	ERH1959	81-118	114		85-114	101	
BA46972	ERH1961	81-118	115		85-114	100	
BA46973	ERH1962	81-118	115		85-114	101	
BA46974	ERH1964	81-118	116		85-114	102	

Comments: Batch: #86BTO-AZ211207

EPA 8260B

Form 2 & 8

Surrogate Recovery

Lab Name: APPL, Inc. SDG No: 98336

Case No: 98336 Date Analyzed: 12/7/2021

Matrix: WATER Instrument: Zeus

APPL ID.	Client Sample No.	SURROGATE: DIBROMOFLUOROMETHANE (S)			SURROGATE: TOLUENE-D8 (S)		
		Limits	Result	Qualifier	Limits	Result	Qualifier
AZ211207-LCS	Lab Control Spike	80-119	99.2		89-112	102	
AZ211207-LCSD	Lab Control SpikeD	80-119	99.2		89-112	102	
AZ211207-BLK	Blank	80-119	105		89-112	100	
BA46970	ERH1958	80-119	108		89-112	101	
BA46971	ERH1959	80-119	106		89-112	99.3	
BA46972	ERH1961	80-119	108		89-112	99.8	
BA46973	ERH1962	80-119	110		89-112	99.9	
BA46974	ERH1964	80-119	110		89-112	101	

Comments: Batch: #86BTO-AZ211207

EPA 8260B

Form 4

Blank Summary

Lab Name: APPL, Inc. SDG No: 98336

Case No: 98336 Date Analyzed: 12/7/2021

Matrix: WATER Instrument: Zeus

Blank ID: AZ211207-BLK Time Analyzed: 1755

APPL ID.	Client Sample No.	File ID.	Date Analyzed
AZ211207-LCS	Lab Control Spike	1207Z03	12/7/2021 1554
AZ211207-LCSD	Lab Control SpikeD	1207Z04	12/7/2021 1619
AZ211207-BLK	Blank	1207Z08	12/7/2021 1755
BA46970	ERH1958	1207Z09	12/7/2021 1819
BA46971	ERH1959	1207Z10	12/7/2021 1843
BA46972	ERH1961	1207Z11	12/7/2021 1907
BA46973	ERH1962	1207Z12	12/7/2021 1931
BA46974	ERH1964	1207Z13	12/7/2021 1955

Comments: Batch: #86BTO-AZ211207

Method Blank
EPA 8260B BTEX WATER

Blank Name/QCG: **AZ2112W-46970 - 271380**
Batch ID: #86BTO-AZ211207

APPL Inc.
908 North Temperance Avenu
Clovis, CA 93611

Sample Type	Analyte	Result	LOQ	LOD	DL	Units	Extraction Date	Analysis Date
BLANK	BENZENE	0.30 U	1.0	0.30	0.15	ug/L	12/7/2021	12/7/2021
BLANK	ETHYLBENZENE	0.50 U	1.0	0.50	0.23	ug/L	12/7/2021	12/7/2021
BLANK	TOLUENE	0.30 U	1.0	0.30	0.15	ug/L	12/7/2021	12/7/2021
BLANK	XYLENES (TOTAL)	0.30 U	2.0	0.30	0.15	ug/L	12/7/2021	12/7/2021
BLANK	SURROGATE: 1,2-DICHLOROET	112	81-118			%	12/7/2021	12/7/2021
BLANK	SURROGATE: 4-BROMOFLUORO	101	85-114			%	12/7/2021	12/7/2021
BLANK	SURROGATE: DIBROMOFLUOR	105	80-119			%	12/7/2021	12/7/2021
BLANK	SURROGATE: TOLUENE-D8 (S)	100	89-112			%	12/7/2021	12/7/2021

Quant Method:Z120621W.M
Run #:1207Z08
Instrument:Zeus
Sequence:211206
Initials:PAN

GC SC-Blank-REG MDLs-DOD
Printed: 12/10/2021 10:08:20 AM

EPA 8260B

Form 4

LCS Summary

Lab Name:	APPL, Inc.	SDG No:	98336
Case No:	98336	Date Analyzed:	12/7/2021
Matrix:	WATER	Instrument:	Zeus
LCS ID:	AZ211207-LCS	Time Analyzed:	1554

APPL ID.	Client Sample No.	File ID.	Date Analyzed
AZ211207-LCS	Lab Control Spike	1207Z03	12/7/2021 1554
AZ211207-LCSD	Lab Control SpikeD	1207Z04	12/7/2021 1619
AZ211207-BLK	Blank	1207Z08	12/7/2021 1755
BA46970	ERH1958	1207Z09	12/7/2021 1819
BA46971	ERH1959	1207Z10	12/7/2021 1843
BA46972	ERH1961	1207Z11	12/7/2021 1907
BA46973	ERH1962	1207Z12	12/7/2021 1931
BA46974	ERH1964	1207Z13	12/7/2021 1955

Comments: Batch: #86BTO-AZ211207

Laboratory Control Spike Recoveries
EPA 8260B BTEX WATER

APPL ID: **211207W-46970 LCS - 271380**
Batch ID: #86BTO-AZ211207

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Compound Name	Spike Lvl ug/L	SPK Result ug/L	DUP Result ug/L	SPK % Recovery	DUP % Recovery	Recovery Limits	RPD %	RPD Limits
BENZENE	10.00	9.49	9.85	94.9	98.5	79-120	3.7	20
ETHYLBENZENE	10.00	10.0	10.4	100	104	79-121	3.9	20
TOLUENE	10.00	9.36	9.69	93.6	96.9	80-121	3.5	20
XYLENES (TOTAL)	30.0	29.8	30.8	99.3	103	79-121	3.3	20
SURROGATE: 1,2-DICHLOROETHANE-D	25.0	27.3	27.3	109	109	81-118		
SURROGATE: 4-BROMOFLUOROBENZE	25.0	25.7	25.5	103	102	85-114		
SURROGATE: DIBROMOFLUOROMETH	25.0	24.8	24.8	99.2	99.2	80-119		
SURROGATE: TOLUENE-D8 (S)	25.0	25.5	25.5	102	102	89-112		

Comments:

Primary	SPK	DUP
Quant Method :	Z120621W.M	Z120621W.M
Extraction Date :	12/7/2021	12/7/2021
Analysis Date :	12/7/2021	12/7/2021
Instrument :	Zeus	Zeus
Run :	1207Z03	1207Z04
Initials :	PAN	

Form 5
Tune Summary

Lab Name: APPL Inc.
Case No:
Matrix: Water
ID: 1206Z16.D

SDG No:
Date Analyzed: 12/6/2021
Instrument: Zeus
Time Analyzed: 15:24

	Client Sample No.	APPL ID.	File ID.	Date Analyzed
1		0.3ug/L VOC STD 12/6	1206Z17.D	12/6/2021 15:48
2		0.5ug/L VOC STD 12/6	1206Z18.D	12/6/2021 16:12
3		1ug/L VOC STD 12/6/2	1206Z19.D	12/6/2021 16:36
4		2ug/L VOC STD 12/6/2	1206Z20.D	12/6/2021 17:00
5		5ug/L VOC STD 12/6/2	1206Z21.D	12/6/2021 17:24
6		10ug/L VOC STD 12/6/	1206Z22.D	12/6/2021 17:48
7		20ug/L VOC STD 12/6/	1206Z23.D	12/6/2021 18:12
8		40ug/L VOC STD 12/6/	1206Z24.D	12/6/2021 18:36
9		100ug/L VOC STD 12/6	1206Z25.D	12/6/2021 19:00
10		(SS) 10ug/L VOC STD	1206Z27.D	12/6/2021 19:48
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				

m/e		
50	14 - 40% of mass 95	14.4
75	30 - 60% of mass 95	43.6
95	100 - 100% of mass 95	100.0
96	5 - 9% of mass 95	8.4
173	0 - 2.05% of mass 174	0.5
174	50 - 200% of mass 95	78.7
175	5 - 9.5% of mass 174	7.5
176	95 - 101% of mass 174	95.2
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): 1206Z22.D Date Analyzed: 12/06/21

Instrument ID: Zeus Time Analyzed: 17:48

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	407844	6.09	362313	9.59	125640	12.14
	UPPER LIMIT	815688	6.26	724626	9.76	251280	12.31
	LOWER LIMIT	203922	5.92	181157	9.42	62820	11.97
	SAMPLE NO.						
01	0.3ug/L VOC STD 12/6/	367811	6.09	347235	9.58	119472	12.14
02	0.5ug/L VOC STD 12/6/	366661	6.09	344388	9.58	116856	12.14
03	1ug/L VOC STD 12/6/21	371997	6.09	345148	9.58	117056	12.14
04	2ug/L VOC STD 12/6/21	388302	6.09	355796	9.58	125880	12.14
05	5ug/L VOC STD 12/6/21	398068	6.09	358845	9.58	126680	12.14
06	10ug/L VOC STD 12/6/2	407844	6.09	362313	9.59	125640	12.14
07	20ug/L VOC STD 12/6/2	429143	6.09	371190	9.58	127840	12.14
08	40ug/L VOC STD 12/6/2	438913	6.09	374368	9.58	124832	12.14
09	100ug/L VOC STD 12/6/	457473	6.09	388410	9.58	126216	12.14
10	(SS) 10ug/L VOC STD 1	412017	6.09	360860	9.58	119576	12.14
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: 98336
Case No: 98336 Date Analyzed: 12/7/2021
Matrix: Water Instrument: Zeus
ID: 1207Z01.D Time Analyzed: 15:06

	Client Sample No.	APPL ID.	File ID.	Date Analyzed
1		211207A CCV 10ug/L	1207Z02.D	12/7/2021 15:30
2	Lab Control Spike	211207A LCS 10ug/L	1207Z03.D	12/7/2021 15:54
3	Lab Control SpikeD	211207A LCSD 10ug/L	1207Z04.D	12/7/2021 16:19
4	Blank	211207A BLK	1207Z08.D	12/7/2021 17:55
5	ERH1958	BA46970W02	1207Z09.D	12/7/2021 18:19
6	ERH1959	BA46971W02	1207Z10.D	12/7/2021 18:43
7	ERH1961	BA46972W03	1207Z11.D	12/7/2021 19:07
8	ERH1962	BA46973W02	1207Z12.D	12/7/2021 19:31
9	ERH1964	BA46974W02	1207Z13.D	12/7/2021 19:55
10		Ending CCV 10ug/L 12	1207Z30.D	12/8/2021 2:43
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				

m/e		
50	14 - 40% of mass 95	15.4
75	30 - 60% of mass 95	44.9
95	100 - 100% of mass 95	100.0
96	5 - 9% of mass 95	7.9
173	0 - 2.05% of mass 174	0.6
174	50 - 200% of mass 95	79.9
175	5 - 9.5% of mass 174	8.8
176	95 - 101% of mass 174	95.6
177	5 - 9% of mass 176	6.8

8A
INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: APPL Inc. Contract:

Lab Code: SDG No.:

Lab File ID (Standard): 1207Z02.D Date Analyzed: 12/07/21

Instrument ID: Zeus Time Analyzed: 15:30

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

		Fluorobenzene (IS)		Chlorobenzene-D5 (IS)		1,4-Dichlorobenzene-D (IS)	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
	12 HOUR STD	419379	6.09	367662	9.58	124264	12.14
	UPPER LIMIT	838758	6.26	735324	9.75	248528	12.31
	LOWER LIMIT	209690	5.92	183831	9.41	62132	11.97
	SAMPLE NO.						
01	211207A CCV 10ug/L	419379	6.09	367662	9.58	124264	12.14
02	211207A LCS 10ug/L	424705	6.09	368999	9.58	123640	12.14
03	211207A LCSD 10ug/L	421428	6.09	365775	9.58	121584	12.14
04	211207A BLK	384177	6.09	351591	9.58	118712	12.14
05	BA46970W02	376893	6.09	348788	9.58	121008	12.14
06	BA46971W02	376406	6.09	346739	9.58	116280	12.14
07	BA46972W03	357512	6.09	332531	9.58	112552	12.14
08	BA46973W02	350147	6.09	326825	9.58	110264	12.14
09	BA46974W02	343241	6.09	321223	9.58	110272	12.14
10	Ending CCV 10ug/L 12/7	382625	6.09	342519	9.58	117488	12.14
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: 98336

Case No: 98336 Date Analyzed: 12/7/2021

Matrix: WATER Instrument: Zeus

APPL ID.	Client Sample No.	SURROGATE: 4-BROMOFLUOROBENZENE (S)					
		Limits	Result	Qualifier	Limits	Result	Qualifier
211207AZ-LCS	Lab Control Spike	85-114	102				
211207AZ-LCSD	Lab Control SpikeD	85-114	102				
211207AZ-BLK	Blank	85-114	101				
BA46970	ERH1958	85-114	102				
BA46971	ERH1959	85-114	101				
BA46972	ERH1961	85-114	100				
BA46973	ERH1962	85-114	101				
BA46974	ERH1964	85-114	102				

Comments: Batch: #GRO86-211207AZ

EPA 8260B

Form 4

Blank Summary

Lab Name:	APPL, Inc.	SDG No:	98336
Case No:	98336	Date Analyzed:	12/7/2021
Matrix:	WATER	Instrument:	Zeus
Blank ID:	211207AZ-BLK	Time Analyzed:	1755

APPL ID.	Client Sample No.	File ID.	Date Analyzed
211207AZ-LCS	Lab Control Spike	1207Z06	12/7/2021 1707
211207AZ-LCSD	Lab Control SpikeD	1207Z07	12/7/2021 1731
211207AZ-BLK	Blank	1207Z08	12/7/2021 1755
BA46970	ERH1958	1207Z09	12/7/2021 1819
BA46971	ERH1959	1207Z10	12/7/2021 1843
BA46972	ERH1961	1207Z11	12/7/2021 1907
BA46973	ERH1962	1207Z12	12/7/2021 1931
BA46974	ERH1964	1207Z13	12/7/2021 1955

Comments: Batch: #GRO86-211207AZ

Method Blank
EPA 8260B GRO WATER

Blank Name/QCG: **211207W-46970 - 271513**
Batch ID: #GRO86-211207AZ

APPL Inc.
908 North Temperance Avenu
Clovis, CA 93611

Sample Type	Analyte	Result	LOQ	LOD	DL	Units	Extraction Date	Analysis Date
BLANK	GASOLINE RANGE ORGANICS	18.0 U	20	18.0	8.6	ug/L	12/7/2021	12/7/2021
BLANK	SURROGATE: 4-BROMOFLUORO	101	85-114			%	12/7/2021	12/7/2021

Quant Method:ZGAS1206.M
Run #:1207Z08
Instrument:Zeus
Sequence:211206
Initials:PAN

GC SC-Blank-REG MDLs-DOD
Printed: 12/10/2021 11:46:40 AM

EPA 8260B

Form 4

LCS Summary

Lab Name:	APPL, Inc.	SDG No:	98336
Case No:	98336	Date Analyzed:	12/7/2021
Matrix:	WATER	Instrument:	Zeus
LCS ID:	211207AZ-LCS	Time Analyzed:	1707

APPL ID.	Client Sample No.	File ID.	Date Analyzed
211207AZ-LCS	Lab Control Spike	1207Z06	12/7/2021 1707
211207AZ-LCSD	Lab Control SpikeD	1207Z07	12/7/2021 1731
211207AZ-BLK	Blank	1207Z08	12/7/2021 1755
BA46970	ERH1958	1207Z09	12/7/2021 1819
BA46971	ERH1959	1207Z10	12/7/2021 1843
BA46972	ERH1961	1207Z11	12/7/2021 1907
BA46973	ERH1962	1207Z12	12/7/2021 1931
BA46974	ERH1964	1207Z13	12/7/2021 1955

Comments: Batch: #GRO86-211207AZ

Laboratory Control Spike Recoveries
EPA 8260B GRO WATER

APPL ID: **211207W-46970 LCS - 271513**
Batch ID: #GRO86-211207AZ

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Compound Name	Spike Lvl ug/L	SPK Result ug/L	DUP Result ug/L	SPK % Recovery	DUP % Recovery	Recovery Limits	RPD %	RPD Limits
GASOLINE RANGE ORGANICS	300	295	302	98.3	101	78-122	2.3	20
SURROGATE: 4-BROMOFLUOROBENZE	25.0	25.4	25.4	102	102	85-114		

Comments:

Primary	SPK	DUP
Quant Method :	ZGAS1206.M	ZGAS1206.M
Extraction Date :	12/7/2021	12/7/2021
Analysis Date :	12/7/2021	12/7/2021
Instrument :	Zeus	Zeus
Run :	1207Z06	1207Z07
Initials :	PAN	

SW846 9060A

Form 4

Blank Summary

Lab Name:	APPL, Inc.	SDG No:	98336
Case No:	98336	Date Analyzed:	11/29/2021
Matrix:	WATER	Instrument:	TICTOC
Blank ID:	211129A-BLK	Time Analyzed:	1715

APPL ID.	Client Sample No.	File ID.	Date Analyzed
211129A-LCS	Lab Control Spike	15	11/29/2021 1634
211129A-BLK	Blank	16	11/29/2021 1715
BA46973	ERH1962	21	11/29/2021 2037
BA46971	ERH1959	22	11/29/2021 2117
211129A-LCSD	Lab Control SpikeD	27	11/30/2021 0039

Comments: Batch: #TOCW5-211129A

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	11/29/21	11/29/21	#TOCW5-211129A-BA46714

Wetlab SC-Blank-REG MDLs
Printed: 12/1/2021 8:40:23 AM

SW846 9060A

Form 4

LCS Summary

Lab Name:	APPL, Inc.	SDG No:	98336
Case No:	98336	Date Analyzed:	11/29/2021
Matrix:	WATER	Instrument:	TICTOC
LCS ID:	211129A-LCS	Time Analyzed:	1634

APPL ID.	Client Sample No.	File ID.	Date Analyzed
211129A-LCS	Lab Control Spike	15	11/29/2021 1634
211129A-BLK	Blank	16	11/29/2021 1715
BA46973	ERH1962	21	11/29/2021 2037
BA46971	ERH1959	22	11/29/2021 2117
211129A-LCSD	Lab Control SpikeD	27	11/30/2021 0039

Comments: Batch: #TOCW5-211129A

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	4.90	4.94	98.0	98.8	0.81	20	80-120	11/29/21	11/29/21	11/30/21	11/30/21	#TOCW5-211129A-BA467

Comments:

ORGANICS
Calibration Data

TPH Extractables
DOC1212

Form 6
Initial Calibration

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

		Compound	1	2	3	4	5	6	7				Avg	%RSD	Type	r^2	Q
			1212006.D	1212007.D	1212008.D	1212009.D	1212010.D	1212011.D	1212012.D								
1	HATML	Diesel (C10-C24)	8409900	1925328	2069958	2001689	2006236	1962917	2154305				2932905	82	HATM	0.997	
2	HBTML	Motor Oil (C24-C40)	6316816	1467738	1268546	1230563	1263138	1244243	1381191				2024605	94	HBTM	0.996	
3	SA	Ortho-Terphenyl(S)		2678531	2553559	2458004	2431880	2380674	2534932				2506263	4.2	SA		
4	SA	Octacosane(S)		1928500	1894461	1754396	1742966	1677732	1863978				1810339	5.5	SA		
5																	
6																	
7																	
8																	
9																	
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5.305152

Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\211212\1212006.D Vial: 4
Acq On : 12-12-21 16:08:57 Operator: KA
Sample : DMO Calibration 1 12/12/21 Inst : Apollo
Misc : Water Multiplr: 1.00
IntFile : events.e
Quant Time: Dec 13 5:49 2021 Quant Results File: DOC1212.RES

Method : G:\APOLLO\DATA\211212\DOC1212.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Mon Dec 13 05:52:11 2021
Response via : Multiple Level Calibration

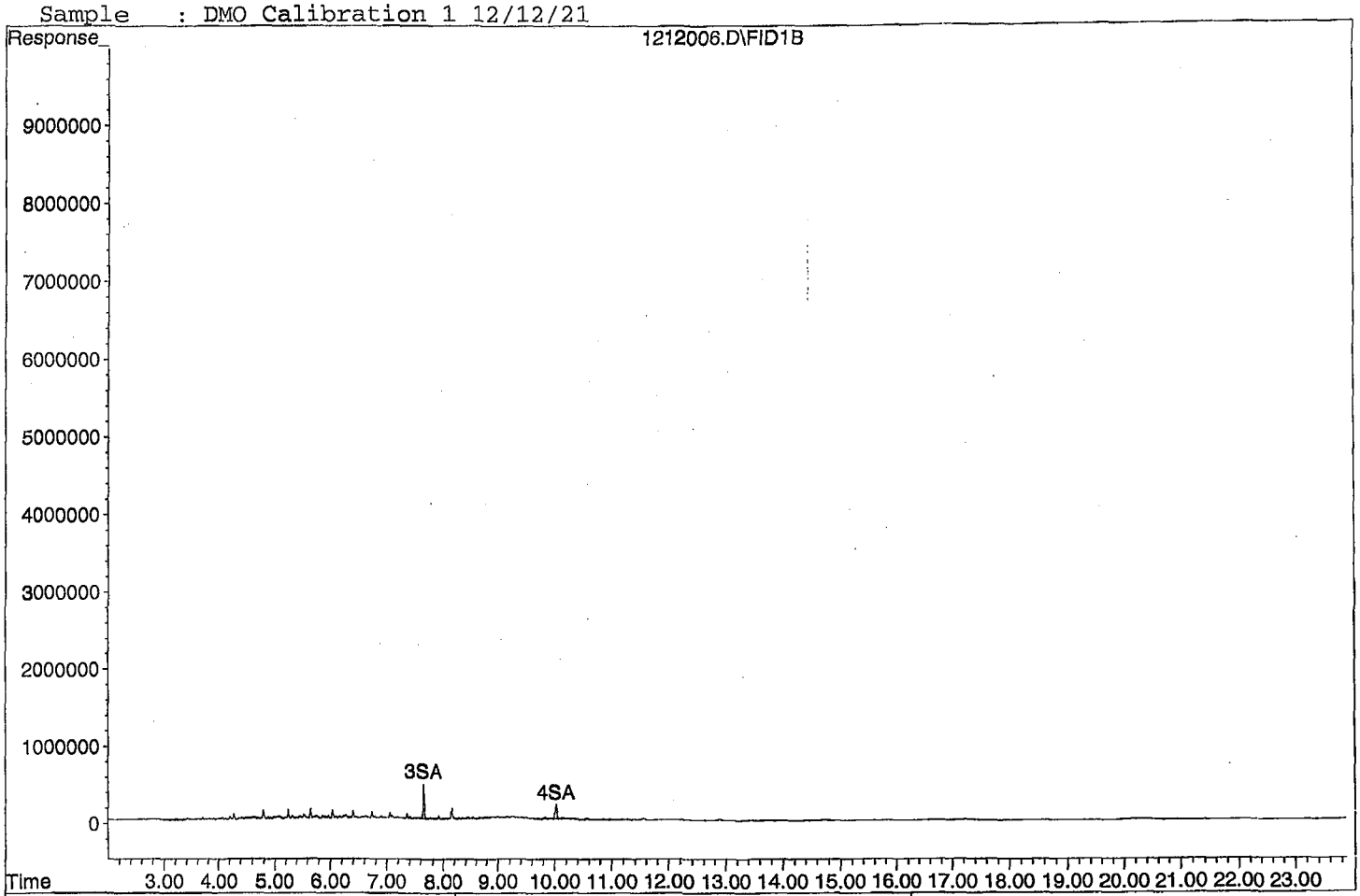
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

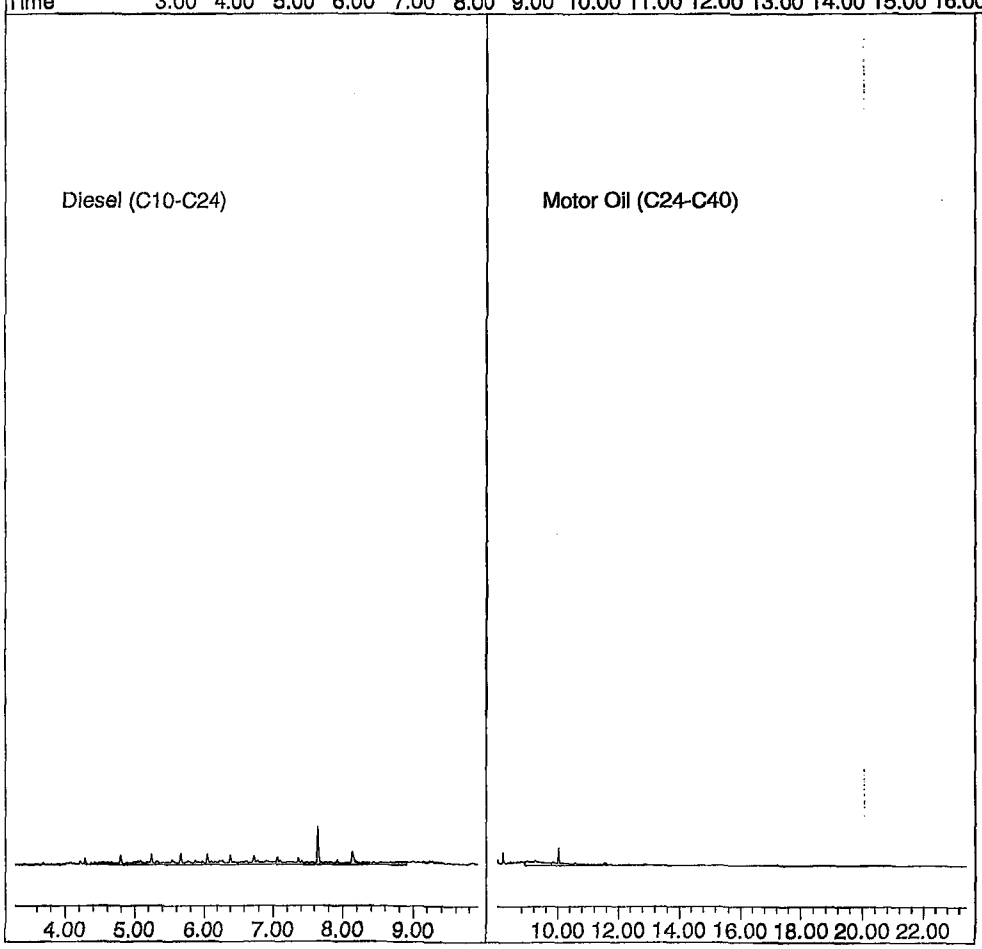
Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
3) SA Ortho-Terphenyl(S)	7.65	5591530	362.599	ppb
Surrogate Spike 30.000		Recovery =	1208.66%	
4) SA Octacosane(S)	10.03	4056830	1.381	ppb
Surrogate Spike 30.000		Recovery =	4.60%	
Target Compounds				
1) HATM Diesel (C10-C24)	6.60	84098995	26.361	ppb
2) HBTM Motor Oil (C24-C40)	15.67	63168156	34.400	ppb

Target Compounds

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

Data File: G:\APOLLO\DATA\211212\1212006.D
Sample : DMO Calibration 1 12/12/21





Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\211212\1212007.D Vial: 5
Acq On : 12-12-21 16:37:14 Operator: KA
Sample : DMO Calibration 2 12/12/21 Inst : Apollo
Misc : Water Multiplr: 1.00
IntFile : events.e
Quant Time: Dec 13 5:49 2021 Quant Results File: DOC1212.RES

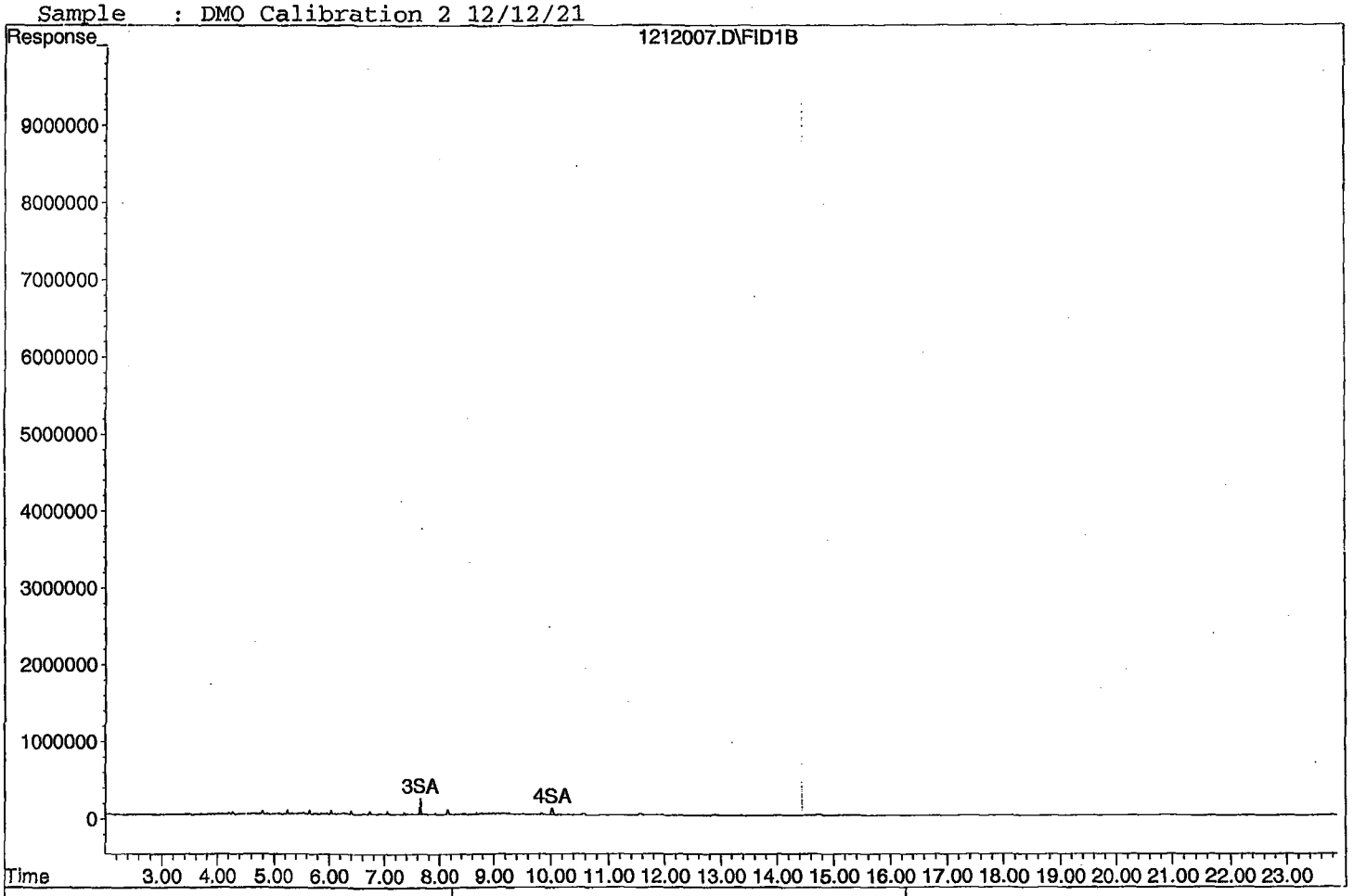
Method : G:\APOLLO\DATA\211212\DOC1212.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Mon Dec 13 05:52:11 2021
Response via : Multiple Level Calibration

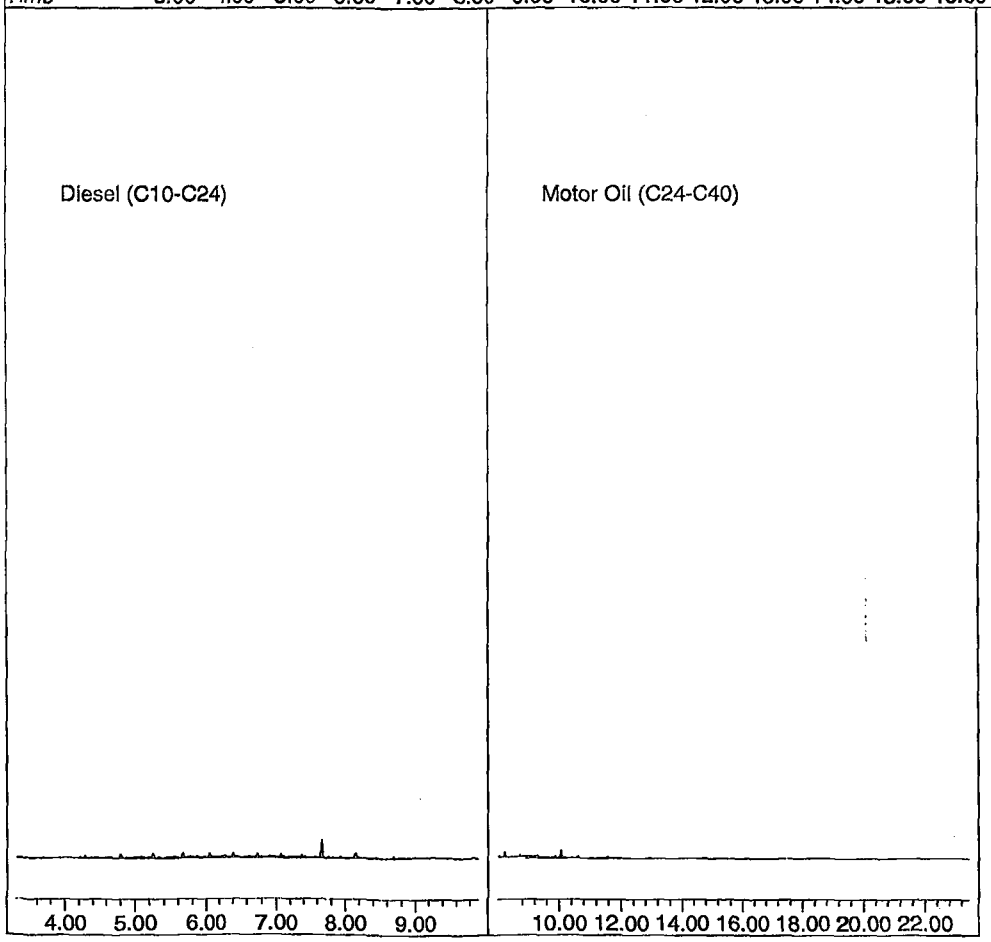
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.65	2678531	172.354 ppb
Surrogate Spike 30.000	Recovery	=	574.51%
4) SA Octacosane(S)	10.03	1928500	0.788 ppb
Surrogate Spike 30.000	Recovery	=	2.63%
Target Compounds			
1) HATM Diesel (C10-C24)	6.60	38506565	16.036 ppb
2) HBTM Motor Oil (C24-C40)	15.67	29354754	21.697 ppb
Target Compounds			

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

Data File: G:\APOLLO\DATA\211212\1212007.D
Sample : DMO Calibration 2 12/12/21





Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\211212\1212008.D Vial: 6
Acq On : 12-12-21 17:05:32 Operator: KA
Sample : DMO Calibration 3 12/12/21 Inst : Apollo
Misc : Water Multiplr: 1.00
IntFile : events.e
Quant Time: Dec 13 5:50 2021 Quant Results File: DOC1212.RES

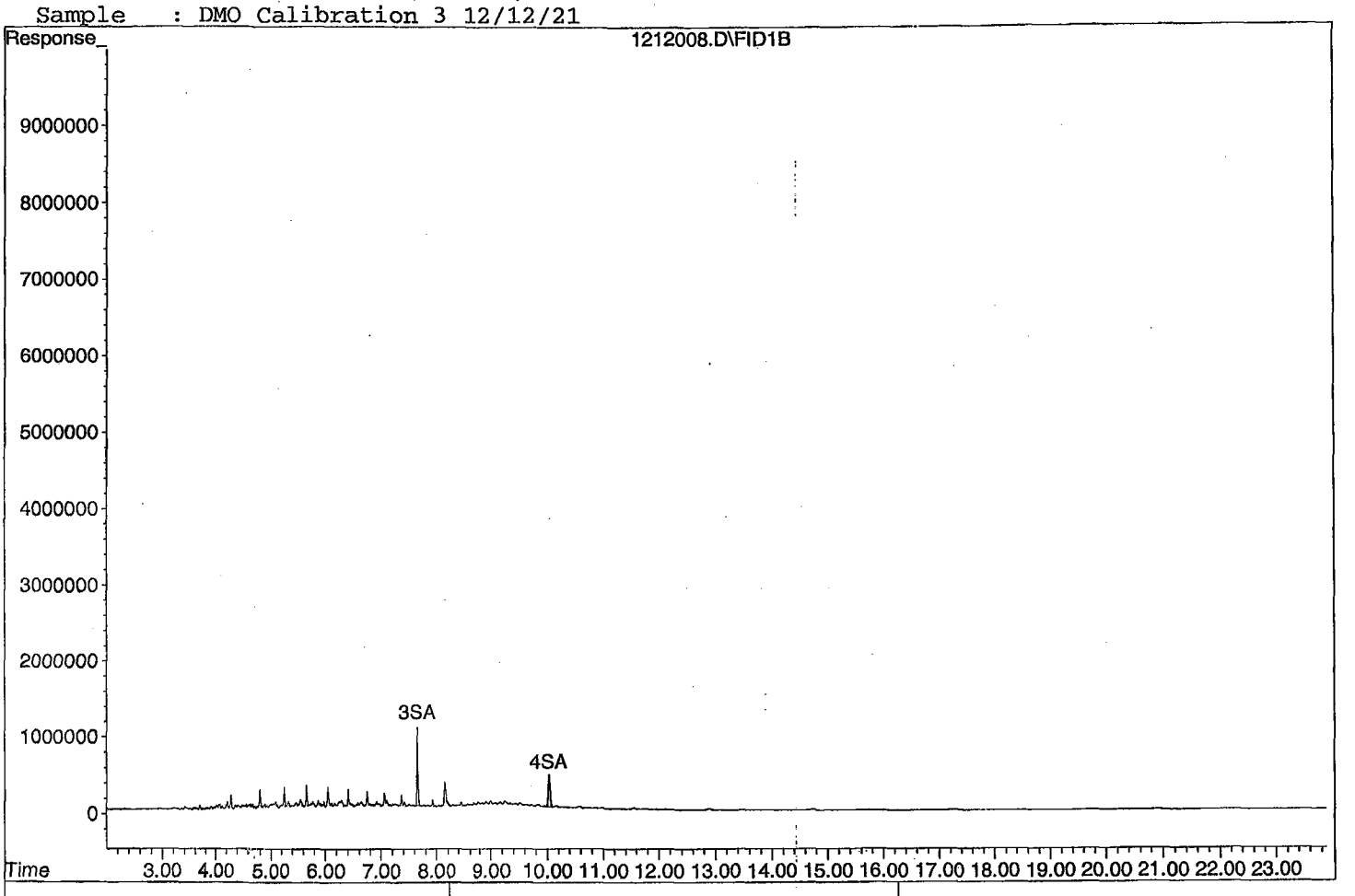
Method : G:\APOLLO\DATA\211212\DOC1212.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Mon Dec 13 05:52:11 2021
Response via : Multiple Level Calibration

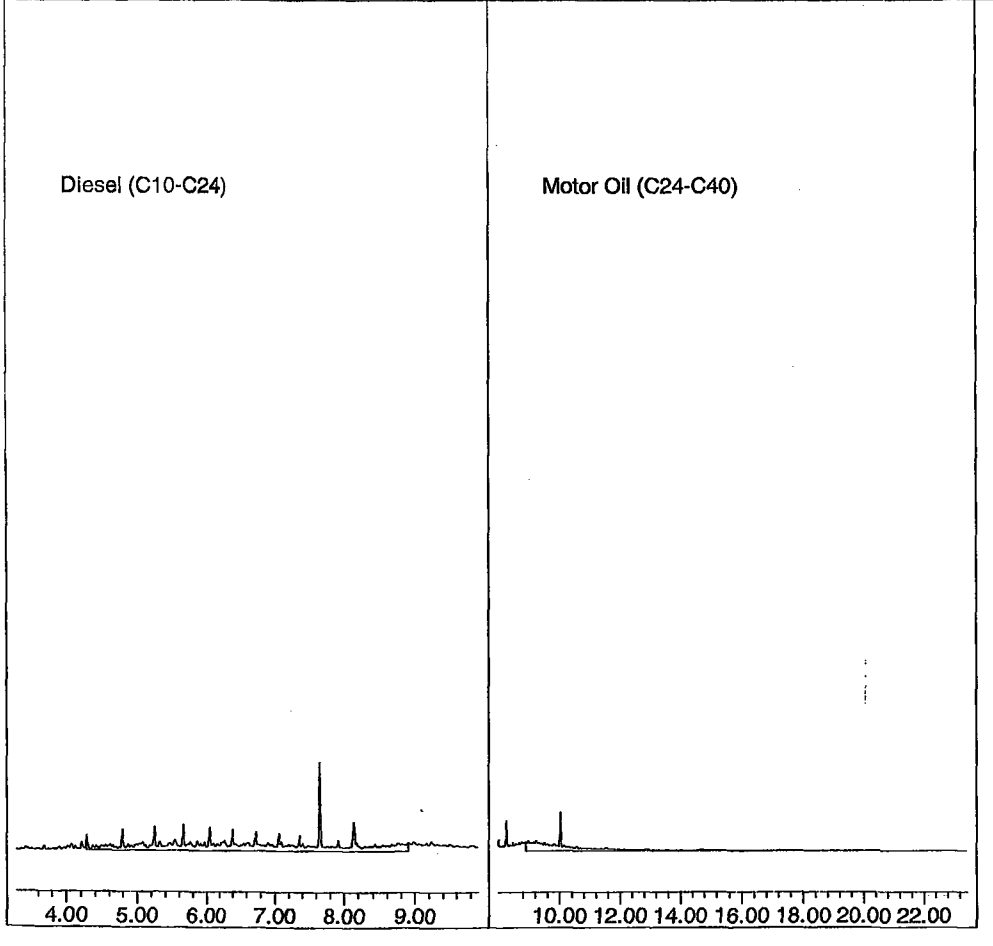
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.65	12767795	831.275 ppb
Surrogate Spike 30.000	Recovery =		2770.92%
4) SA Octacosane(S)	10.03	9472303	2.889 ppb
Surrogate Spike 30.000	Recovery =		9.63%
Target Compounds			
1) HATM Diesel (C10-C24)	6.60	206995836	54.193 ppb
2) HBTM Motor Oil (C24-C40)	15.67	126854570	58.325 ppb
Target Compounds			

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

Data File: G:\APOLLO\DATA\211212\1212008.D
Sample : DMO Calibration 3 12/12/21





Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\211212\1212009.D Vial: 7
Acq On : 12-12-21 17:33:48 Operator: KA
Sample : DMO Calibration 4 12/12/21 Inst : Apollo
Misc : Water Multiplr: 1.00
IntFile : events.e
Quant Time: Dec 13 5:50 2021 Quant Results File: DOC1212.RES

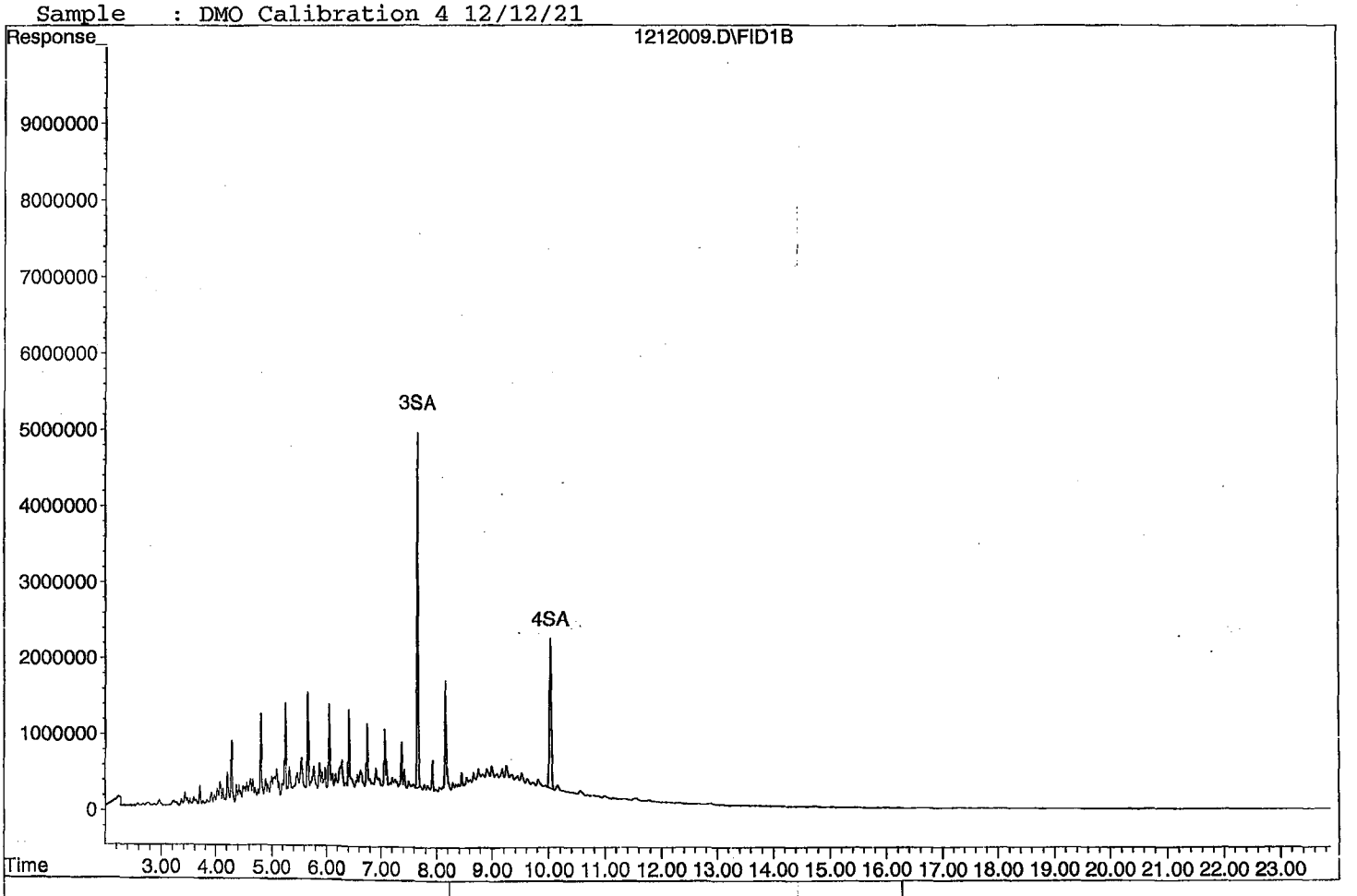
Method : G:\APOLLO\DATA\211212\DOC1212.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Mon Dec 13 05:52:11 2021
Response via : Multiple Level Calibration

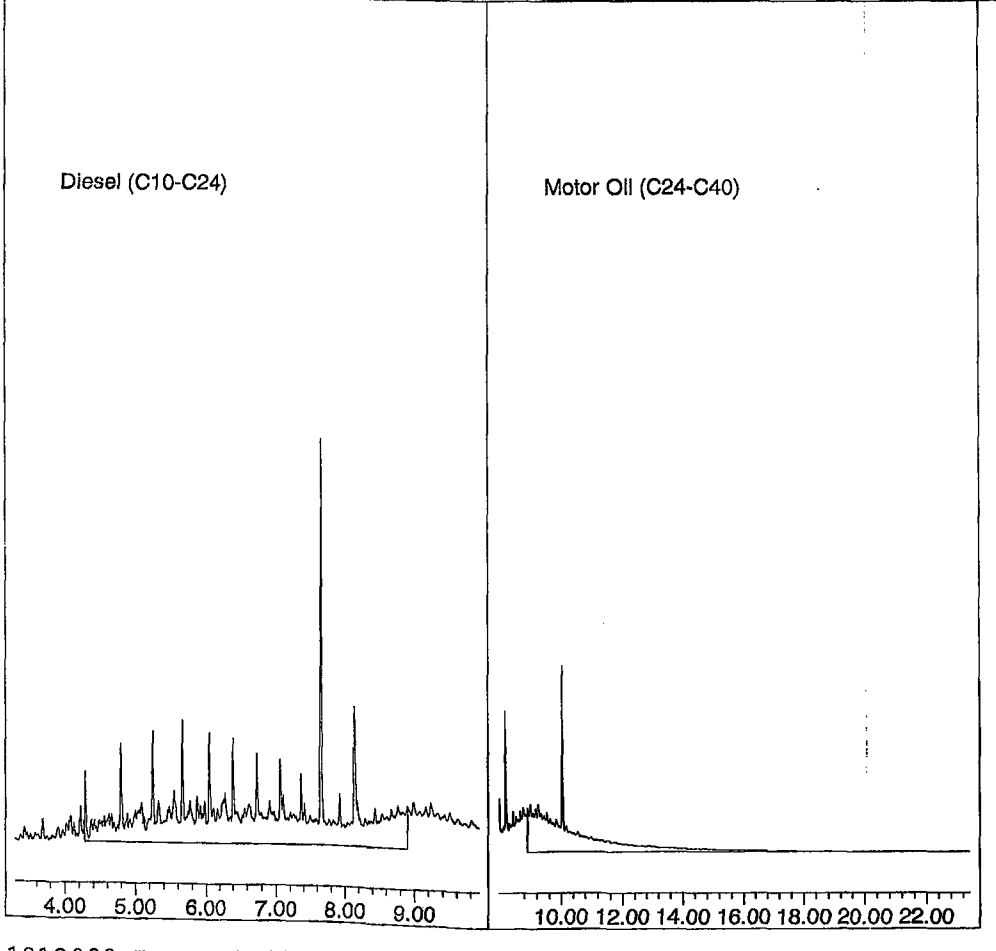
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.66	61450098	4010.675 ppb
Surrogate Spike 30.000		Recovery =	13368.92%
4) SA Octacosane(S)	10.03	43859896	12.467 ppb
Surrogate Spike 30.000		Recovery =	41.56%
Target Compounds			
1) HATM Diesel (C10-C24)	6.60	1000844348	233.976 ppb
2) HBTM Motor Oil (C24-C40)	15.67	615281568	241.810 ppb
Target Compounds			

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

Data File: G:\APOLLO\DATA\211212\1212009.D
Sample : DMO Calibration 4 12/12/21





Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\211212\1212010.D Vial: 8
Acq On : 12-12-21 18:02:04 Operator: KA
Sample : DMO Calibration 5 12/12/21 Inst : Apollo
Misc : Water Multiplr: 1.00
IntFile : events.e
Quant Time: Dec 13 5:50 2021 Quant Results File: DOC1212.RES

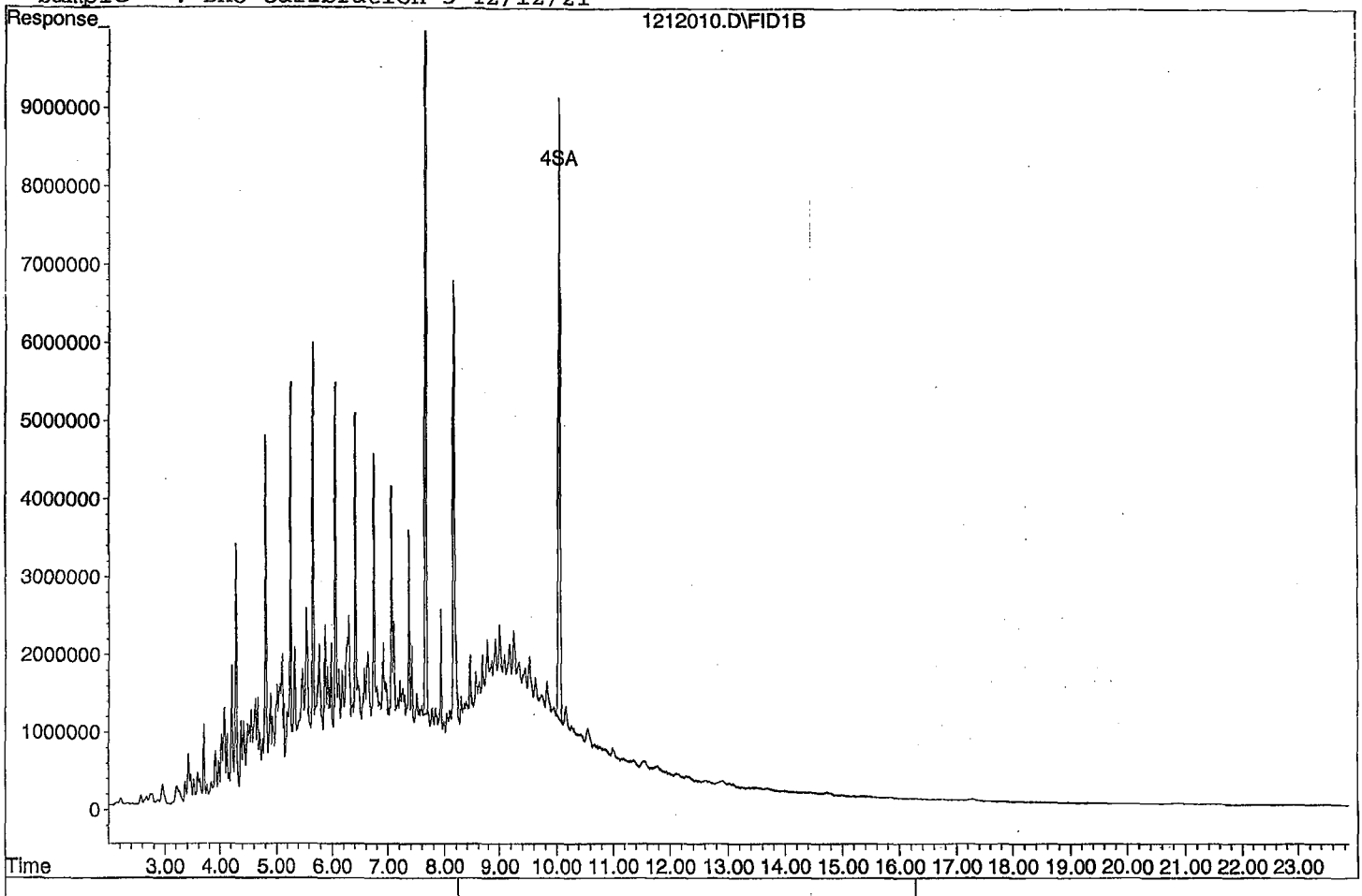
Method : G:\APOLLO\DATA\211212\DOC1212.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Mon Dec 13 05:52:11 2021
Response via : Multiple Level Calibration

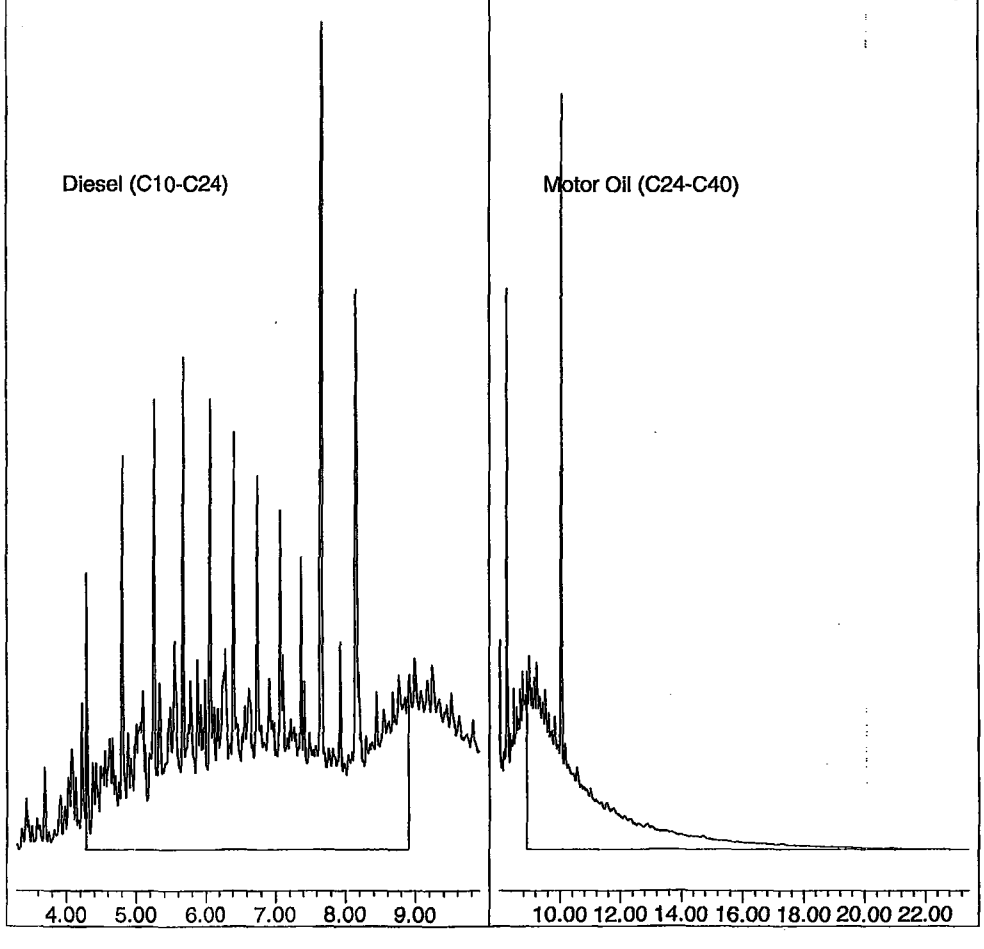
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.66	243188022	15879.826 ppb
Surrogate Spike 30.000	Recovery =		52932.75%
4) SA Octacosane(S)	10.04	174296600	48.797 ppb
Surrogate Spike 30.000	Recovery =		162.66%
Target Compounds			
1) HATM Diesel (C10-C24)	6.60	4012472898	916.018 ppb
2) HBTM Motor Oil (C24-C40)	15.67	2526276181	959.706 ppb
Target Compounds			

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

Data File: G:\APOLLO\DATA\211212\1212010.D
Sample : DMO Calibration 5 12/12/21





Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\211212\1212011.D Vial: 9
Acq On : 12-12-21 18:30:20 Operator: KA
Sample : DMO Calibration 6 12/12/21 Inst : Apollo
Misc : Water Multiplr: 1.00
IntFile : events.e
Quant Time: Dec 13 5:50 2021 Quant Results File: DOC1212.RES

Method : G:\APOLLO\DATA\211212\DOC1212.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Mon Dec 13 05:52:11 2021
Response via : Multiple Level Calibration

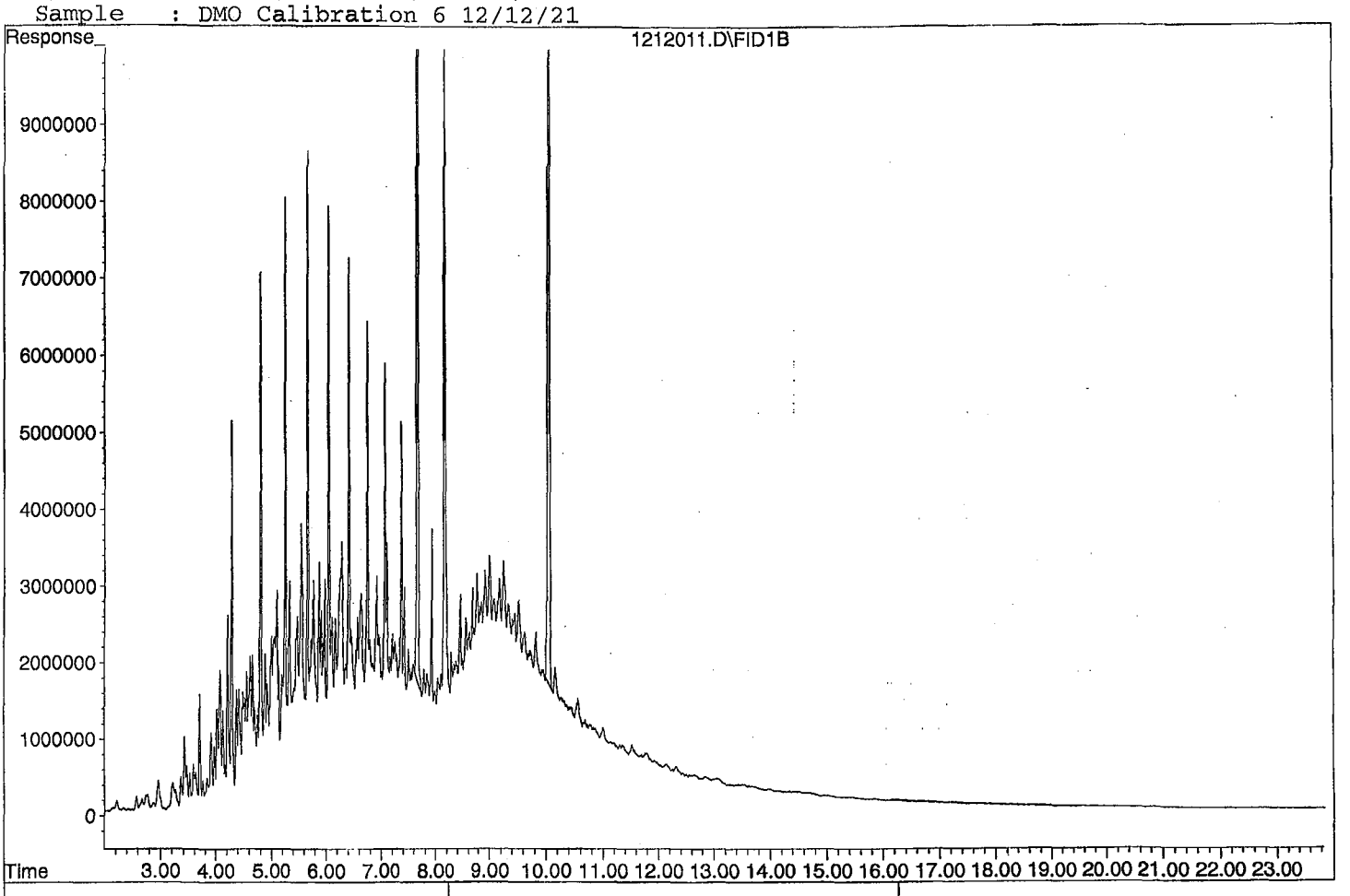
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

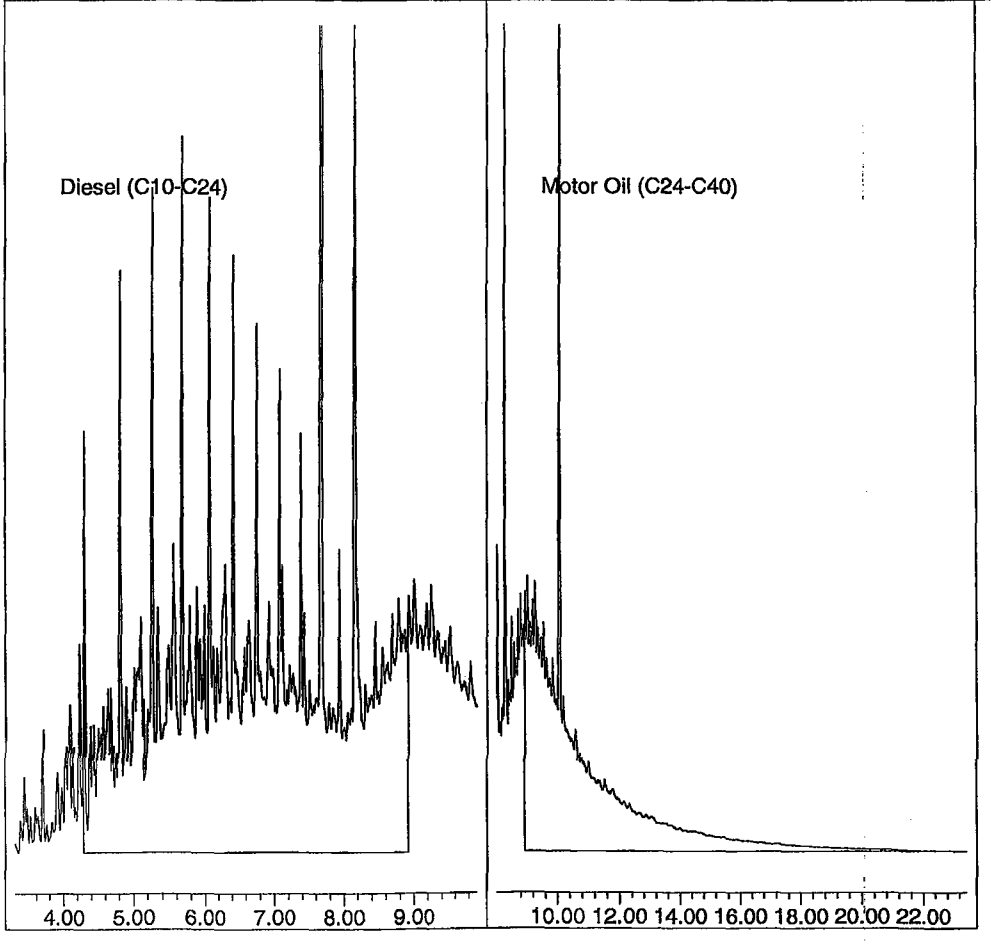
Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
3) SA Ortho-Terphenyl(S)	7.66	357101161	23319.396	ppb
Surrogate Spike 30.000		Recovery =	77731.32%	
4) SA Octacosane(S)	10.04	251659753	70.344	ppb
Surrogate Spike 30.000		Recovery =	234.48%	
Target Compounds				
1) HATM Diesel (C10-C24)	6.60	5888751722	1340.938	ppb
2) HBTM Motor Oil (C24-C40)	15.67	3732727704	1412.928	ppb

Target Compounds

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

Data File: G:\APOLLO\DATA\211212\1212011.D
Sample : DMO Calibration 6 12/12/21





Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\211212\1212012.D Vial: 10
Acq On : 12-12-21 18:58:36 Operator: KA
Sample : DMO Calibration 7 12/12/21 Inst : Apollo
Misc : Water Multiplr: 1.00
IntFile : events.e
Quant Time: Dec 13 5:50 2021 Quant Results File: DOC1212.RES

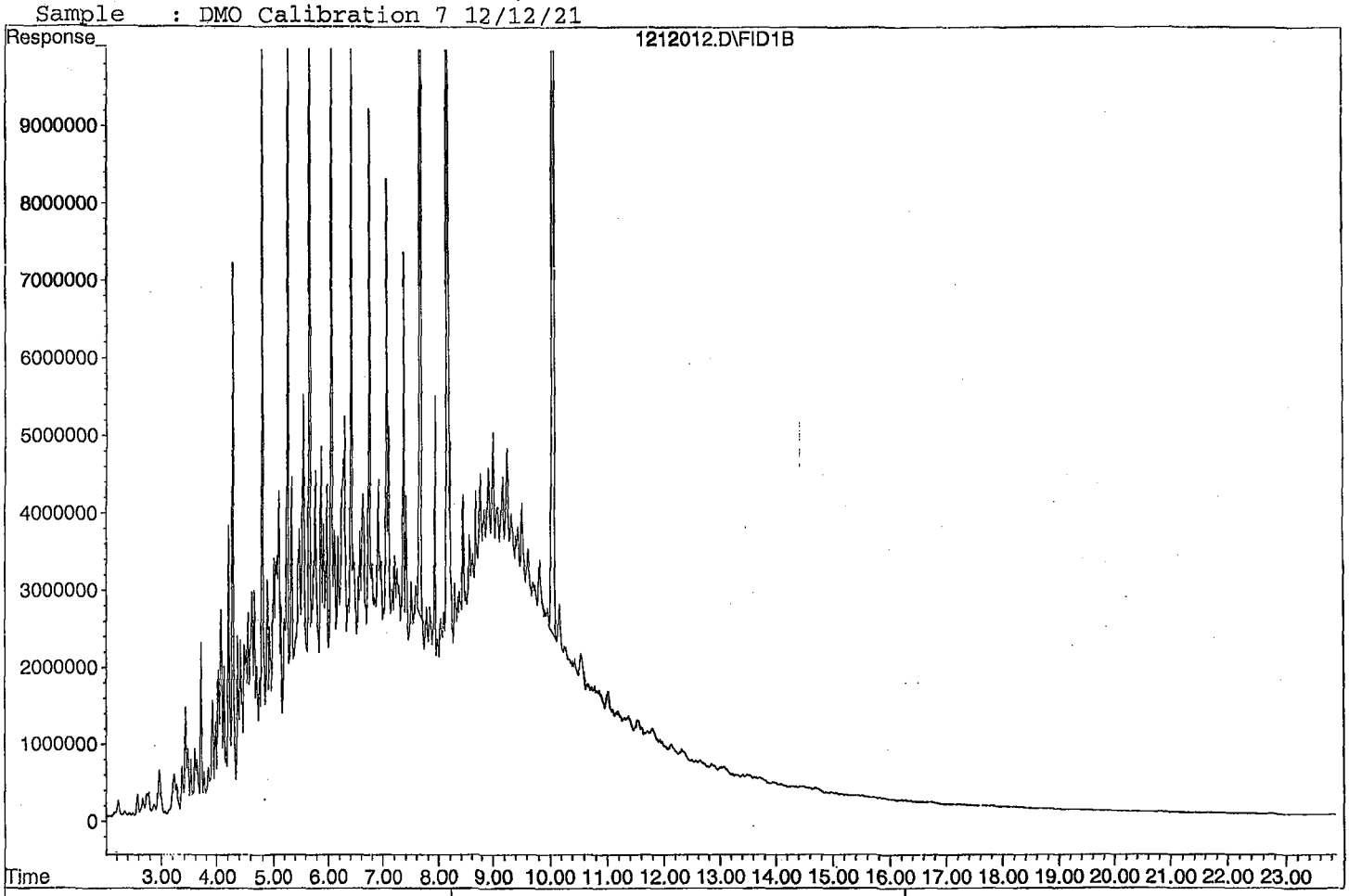
Method : G:\APOLLO\DATA\211212\DOC1212.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Mon Dec 13 05:52:11 2021
Response via : Multiple Level Calibration

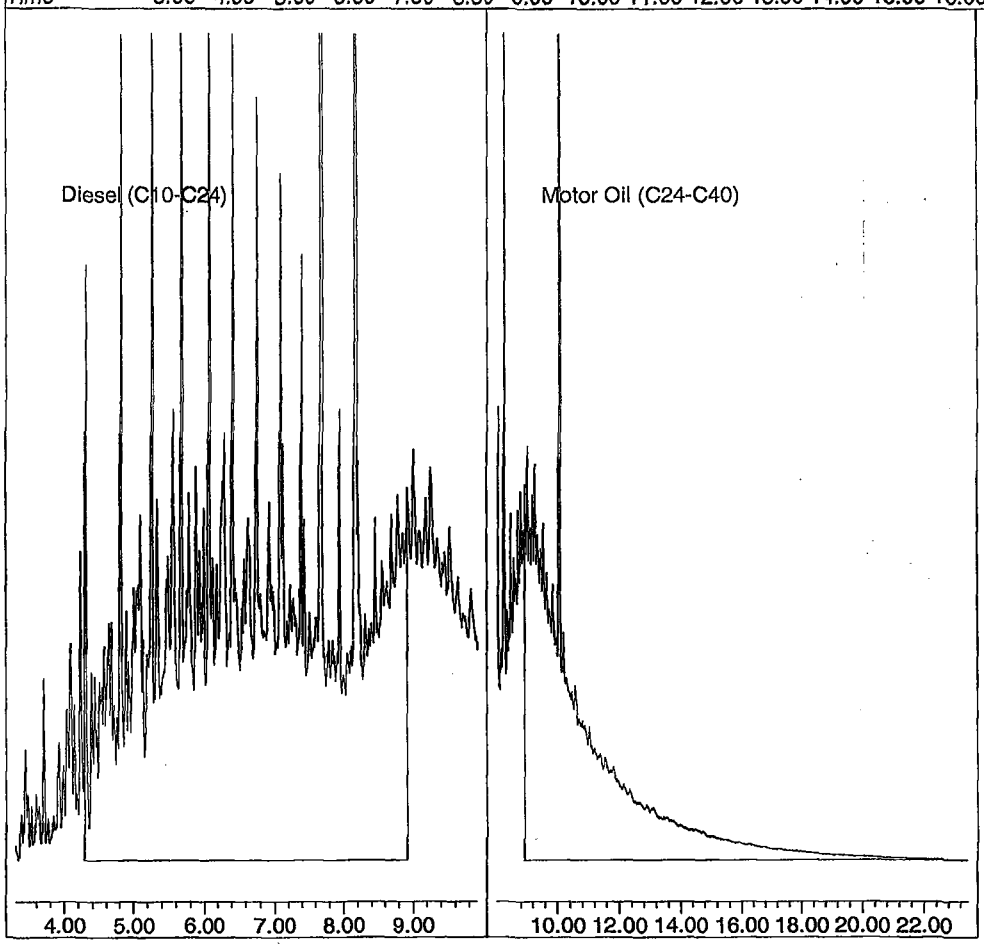
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.67	506986332	33108.270 ppb
Surrogate Spike 30.000		Recovery =	110360.90%
4) SA Octacosane(S)	10.05	372795641	104.084 ppb
Surrogate Spike 30.000		Recovery =	346.95%
Target Compounds			
1) HATM Diesel (C10-C24)	6.60	8617221755	1958.853 ppb
2) HBTM Motor Oil (C24-C40)	15.67	5524762507	2086.135 ppb
Target Compounds			

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

Data File: G:\APOLLO\DATA\211212\1212012.D
Sample : DMO Calibration 7 12/12/21





TPH Extractables
DOC1212

Form 7

Second Source Calibration

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

SDG No:
Date Analyzed: 12/12/2021
Instrument: Apollo
Initial Cal. Date: 12/12/2021
Data File: 1212013.D

		Compound	MEAN	CCRF	%D		%Drift
1	HATM	Diesel (C10-C24)	2932900	1827280	38	HATML	9.3
2	HBTM	Motor Oil (C24-C40)	2024600	1287750	36	HBTML	1.0
3							
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		Average			37.0		

Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\211212\1212013.D Vial: 11
Acq On : 12-12-21 19:26:51 Operator: KA
Sample : DMO Second Source 10/28/21 Inst : Apollo
Misc : Water Multiplr: 1.00
IntFile : events.e
Quant Time: Dec 13 5:53 2021 Quant Results File: DOC1212.RES

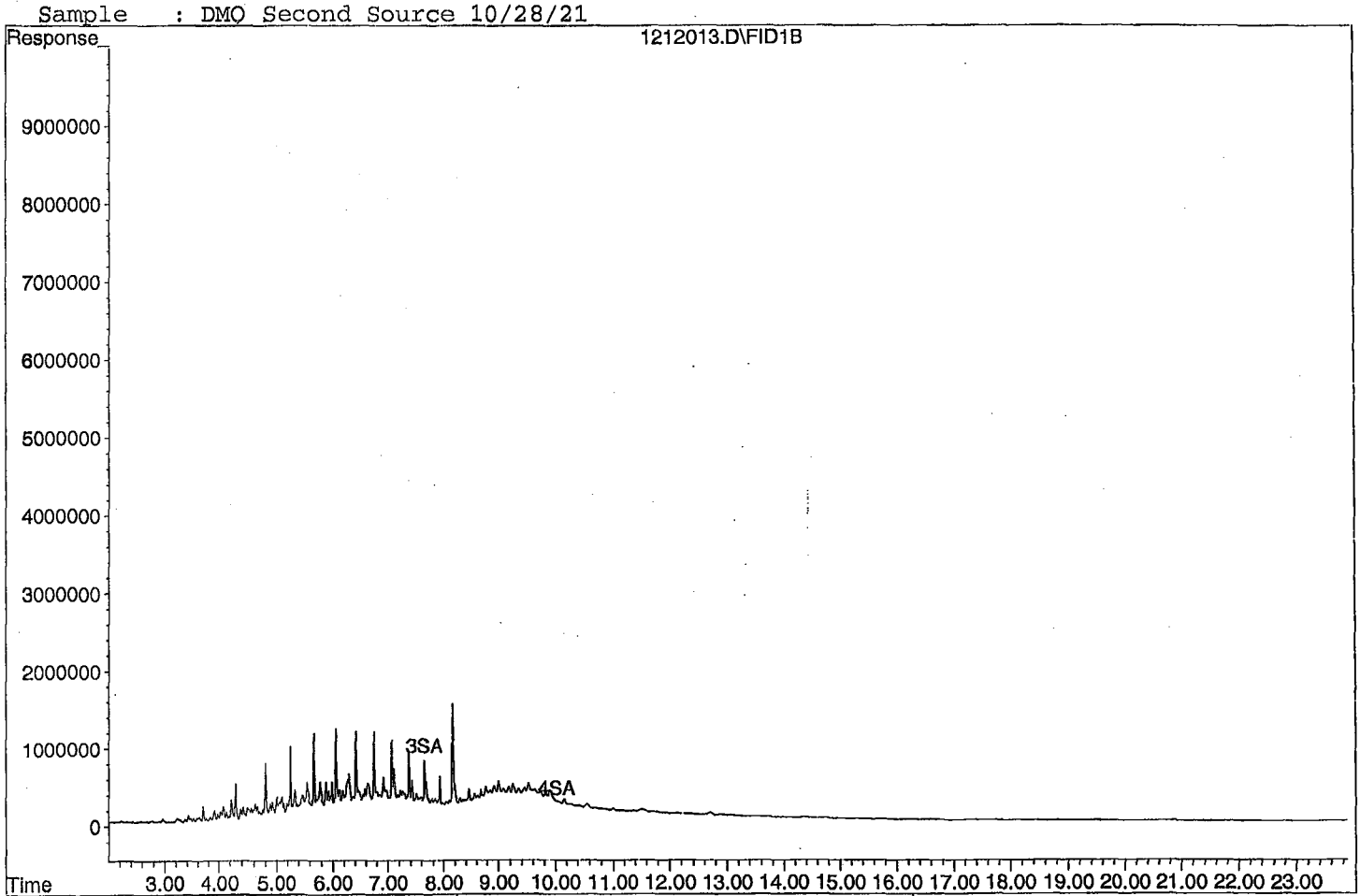
Method : G:\APOLLO\DATA\211212\DOC1212.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Mon Dec 13 05:52:11 2021
Response via : Multiple Level Calibration

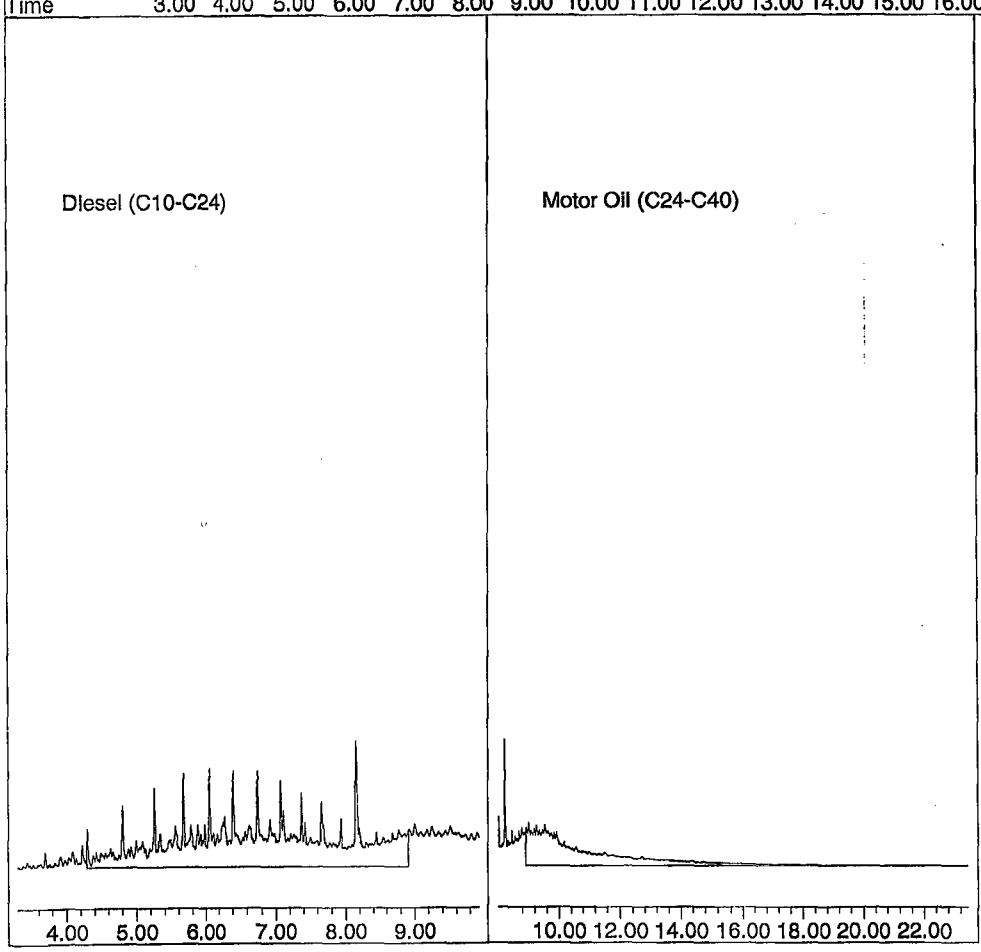
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

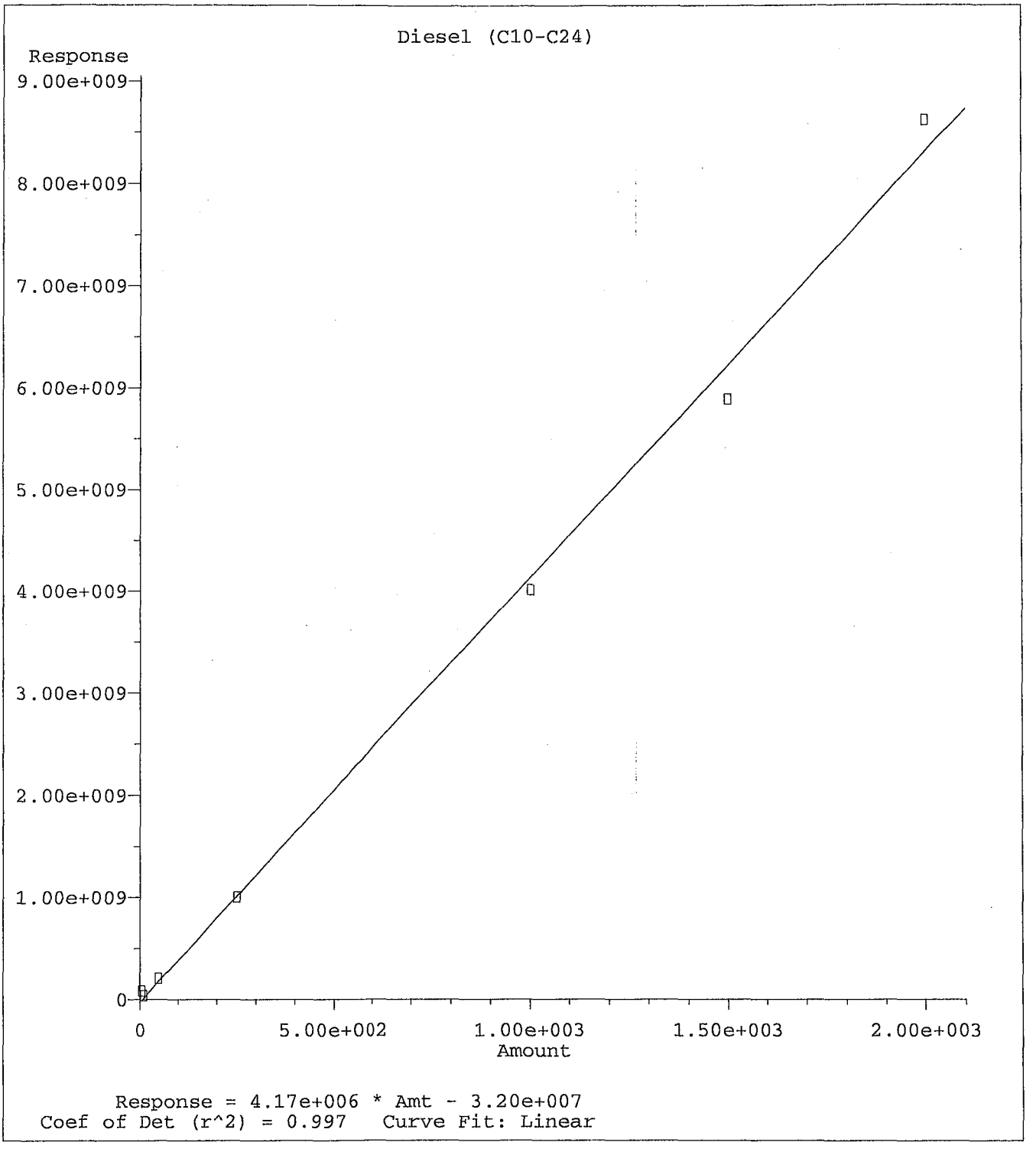
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.65	4209010	0.840 ppb
Surrogate Spike 30.000	Recovery	=	2.80%
4) SA Octacosane(S)	10.02	207793	0.057 ppb
Surrogate Spike 30.000	Recovery	=	0.19%
Target Compounds			
1) HATM Diesel (C10-C24)	6.60	913639690	226.836 ppb
2) HBTM Motor Oil (C24-C40)	15.67	643874690	252.551 ppb
Target Compounds			

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

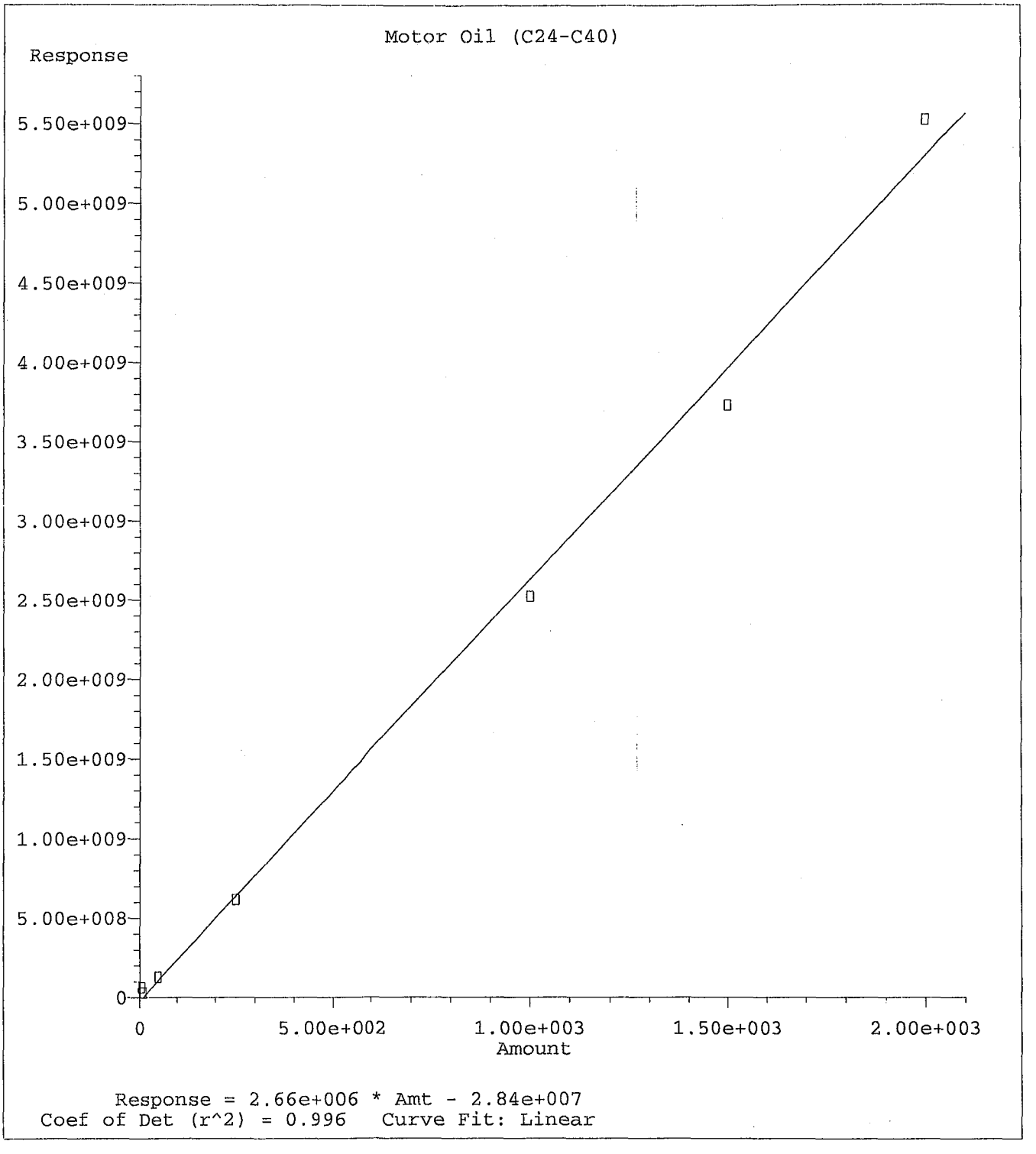
Data File: G:\APOLLO\DATA\211212\1212013.D
Sample : DMO Second Source 10/28/21







Method Name: G:\APOLLO\DATA\211212\DOC1212.M
Calibration Table Last Updated: Mon Dec 13 05:52:11 2021



Method Name: G:\APOLLO\DATA\211212\DOC1212.M
Calibration Table Last Updated: Mon Dec 13 05:52:11 2021

TPH Extractables
DOC1212

Form 7
Continuing Calibration

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

SDG No:
Date Analyzed: 12/15/2021
Instrument: Apollo
Initial Cal. Date: 12/12/2021
Data File: 1215022.D

		Compound	MEAN	CCRF	%D		%Drift
1	HATM	Diesel (C10-C24)	2932900	2193700	25	HATML	6.0
2	HBTM	Motor Oil (C24-C40)	2024600	1431050	29	HBTML	8.6
3	SA	Ortho-Terphenyl(S)	2506260	2708040	8.1	SA	
4	SA	Octacosane(S)	1810340	1999830	10	SA	
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		Average			18.0		

Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\211215\1215022.D Vial: 22
Acq On : 12-15-21 19:24:43 Operator: KA
Sample : DMO STD DF2 12/09/21 Inst : Apollo
Misc : Water Multiplr: 1.00
IntFile : events.e
Quant Time: Dec 16 8:25 2021 Quant Results File: DOC1212.RES

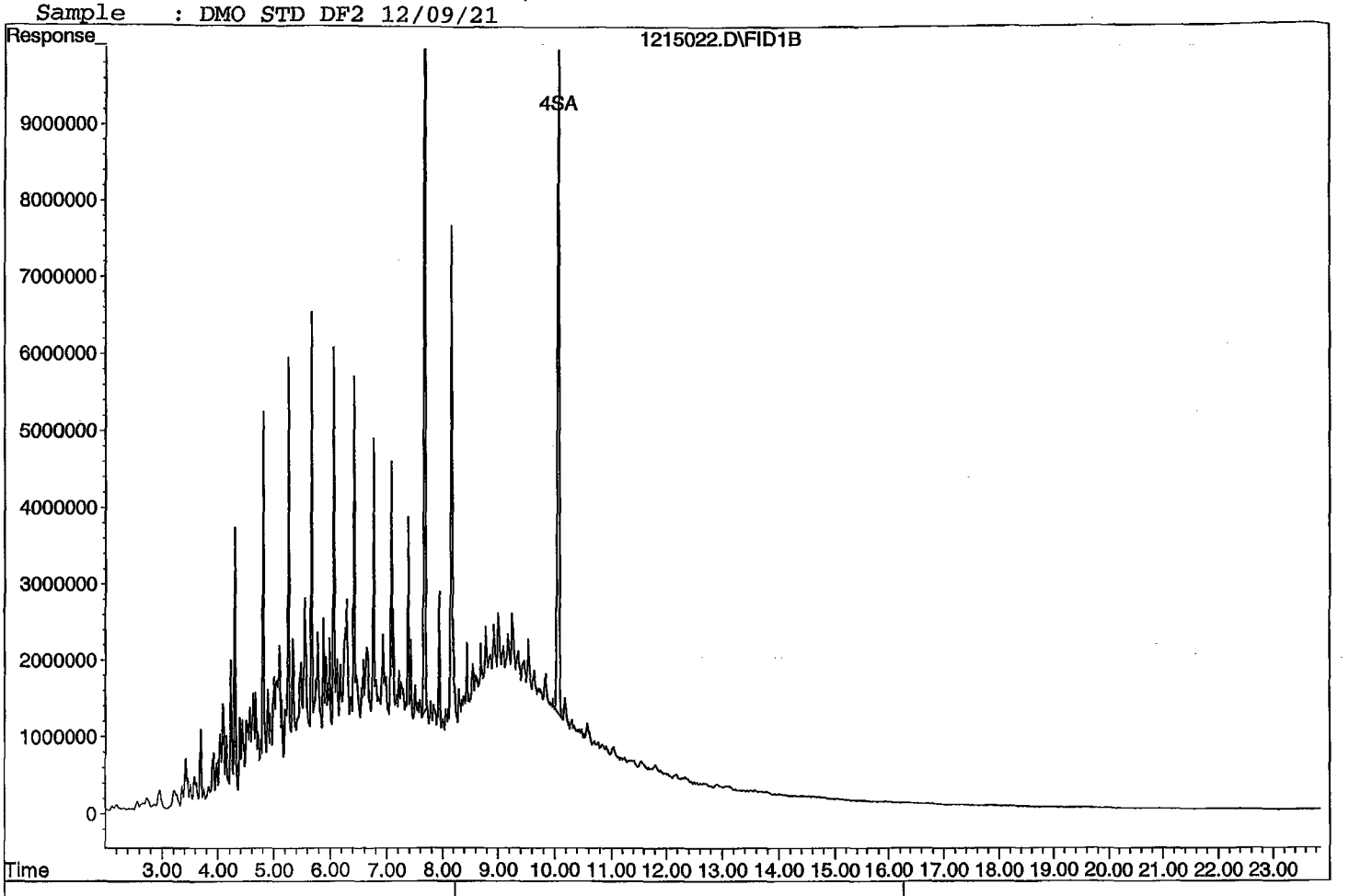
Method : G:\APOLLO\DATA\211229\DOC1212.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Dec 16 12:24:49 2021
Response via : Multiple Level Calibration

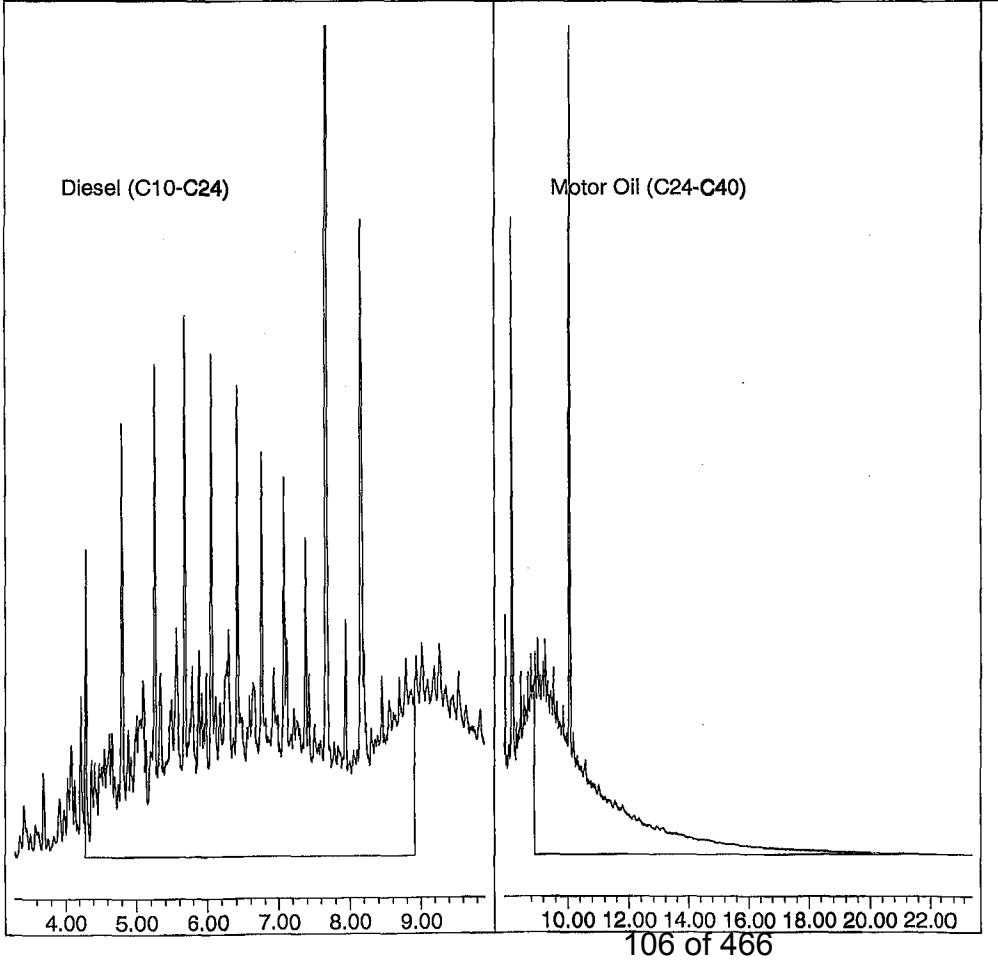
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.67	270804483	54.026 ppb
Surrogate Spike 30.000		Recovery =	180.09%
4) SA Octacosane(S)	10.06	199983211	55.234 ppb
Surrogate Spike 30.000		Recovery =	184.11%
Target Compounds			
1) HATM Diesel (C10-C24)	6.60	4387391400	1060.104 ppb
2) HBTM Motor Oil (C24-C40)	15.67	2862107228	1085.866 ppb
Target Compounds			

Quantitation Report

Data File: G:\APOLLO\DATA\211215\1215022.D
Sample : DMO STD DF2 12/09/21





TPH Extractables
DOC1212

Form 7
Continuing Calibration

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

SDG No:
Date Analyzed: 12/16/2021
Instrument: Apollo
Initial Cal. Date: 12/12/2021
Data File: 1215036.D

		Compound	MEAN	CCRF	%D	%Drift	
1	HATM	Diesel (C10-C24)	2932900	2304410	21	HATML	11
2	HBTM	Motor Oil (C24-C40)	2024600	1514900	25	HBTML	15
3	SA	Ortho-Terphenyl(S)	2506260	2787660	11	SA	
4	SA	Octacosane(S)	1810340	2136780	18	SA	
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		Average			18.8		

Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\211215\1215036.D Vial: 36
Acq On : 12-16-21 1:58:02 Operator: KA
Sample : DMO STD DF2 12/09/21 Inst : Apollo
Misc : Water Multiplr: 1.00
IntFile : events.e
Quant Time: Dec 16 8:26 2021 Quant Results File: DOC1212.RES

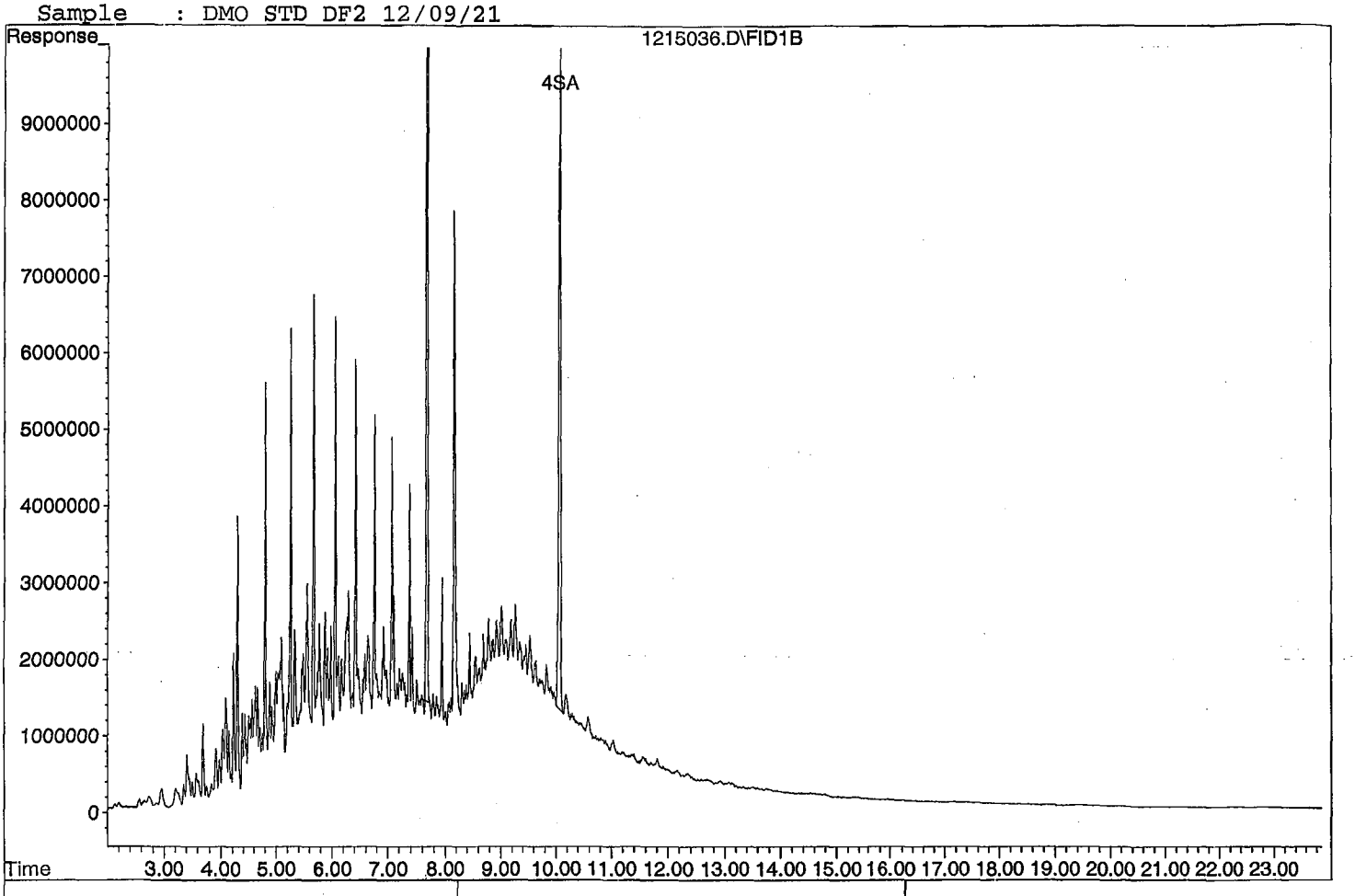
Method : G:\APOLLO\DATA\211229\DOC1212.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Dec 16 12:24:49 2021
Response via : Multiple Level Calibration

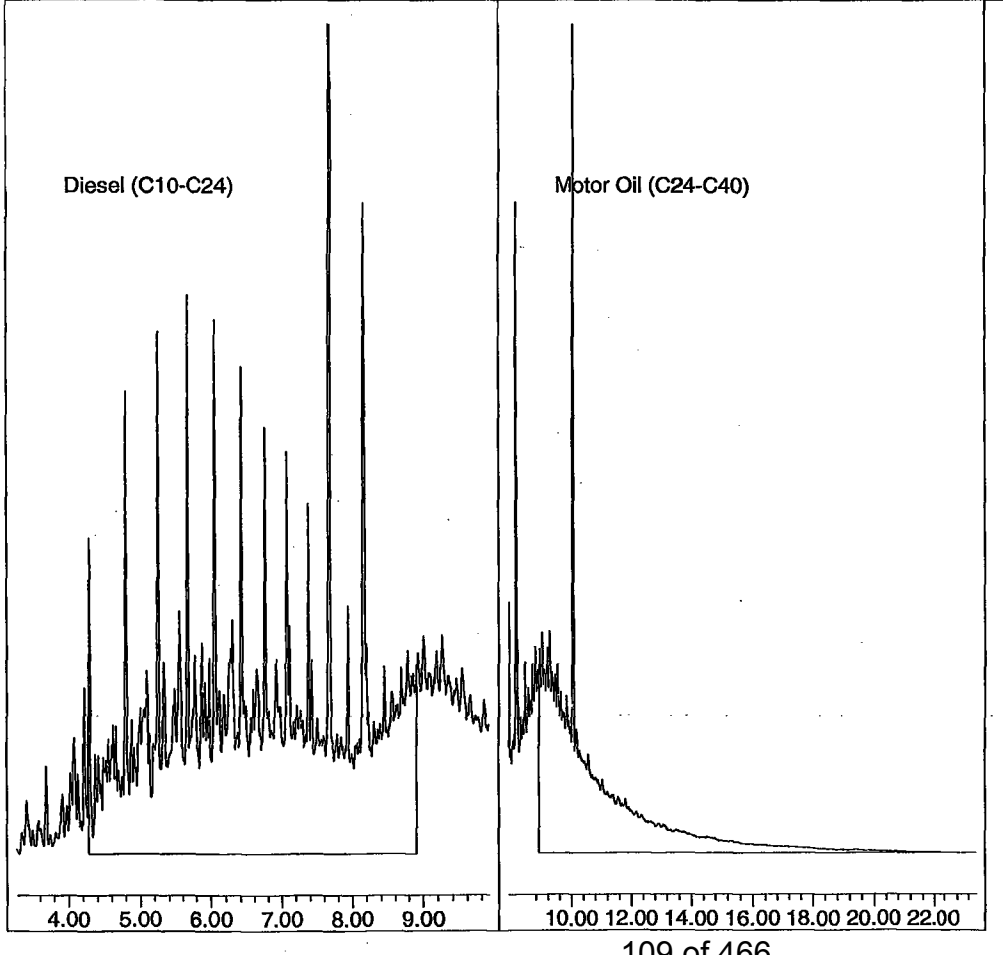
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
3) SA Ortho-Terphenyl(S)	7.67	278766342	55.614	ppb
Surrogate Spike 30.000		Recovery =	185.38%	
4) SA Octacosane(S)	10.06	213678358	59.016	ppb
Surrogate Spike 30.000		Recovery =	196.72%	
Target Compounds				
1) HATM Diesel (C10-C24)	6.60	4608819906	1113.220	ppb
2) HBTM Motor Oil (C24-C40)	15.67	3029793316	1148.860	ppb

Target Compounds

Data File: G:\APOLLO\DATA\211215\1215036.D
Sample : DMO STD DF2 12/09/21





ORGANICS
Raw Data

Quantitation Report (QT Reviewed)

Data File : G:\APOLLO\DATA\211215\1215030.D Vial: 30
Acq On : 12-15-21 23:09:31 Operator: KA
Sample : BA46971W09 5/1040 Inst : Apollo
Misc : Water Multiplr: 4.81
IntFile : events.e
Quant Time: Dec 16 12:55 2021 Quant Results File: DOC1212.RES

Method : G:\APOLLO\DATA\211229\DOC1212.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Dec 16 12:24:49 2021
Response via : Multiple Level Calibration

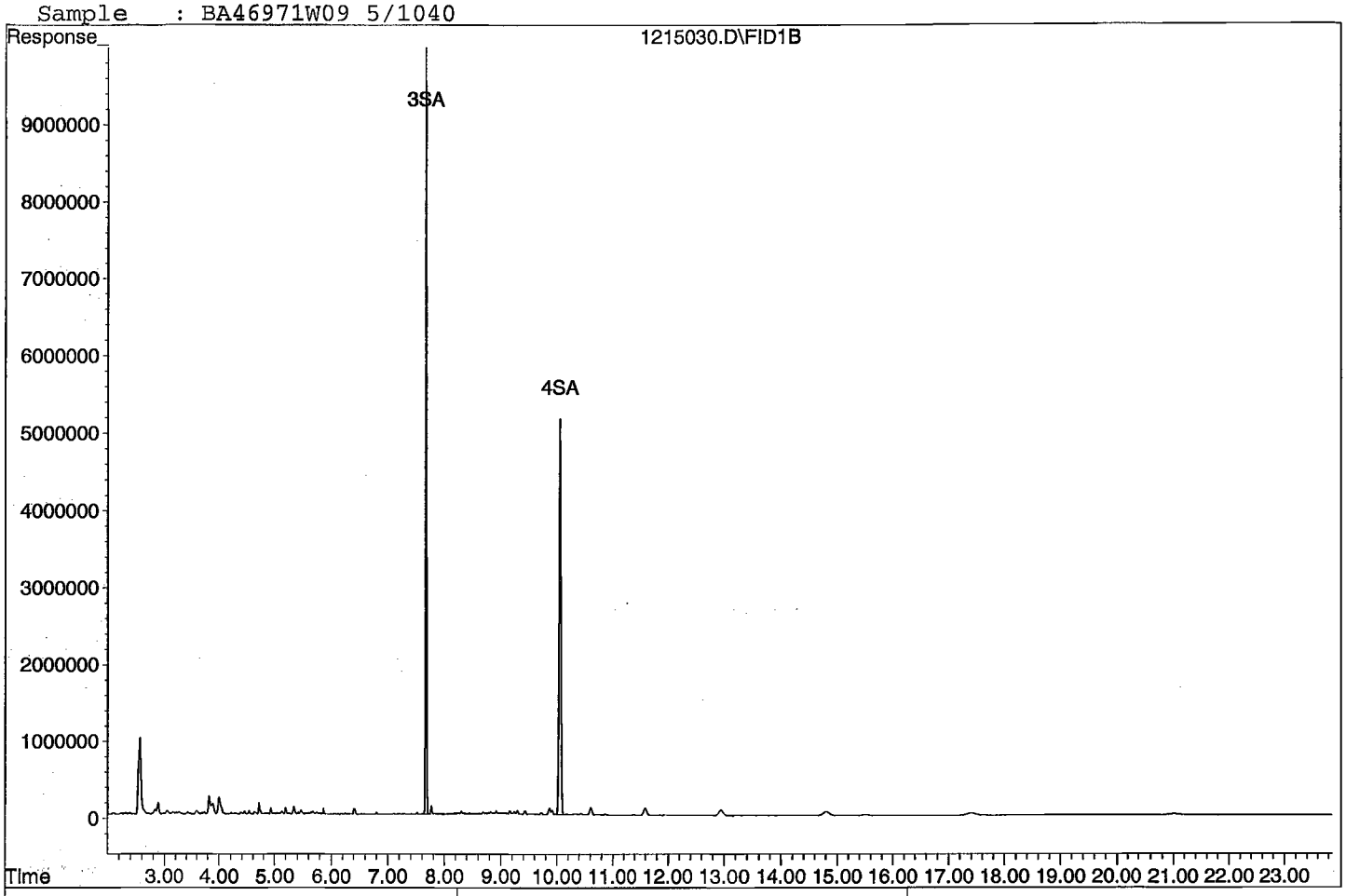
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

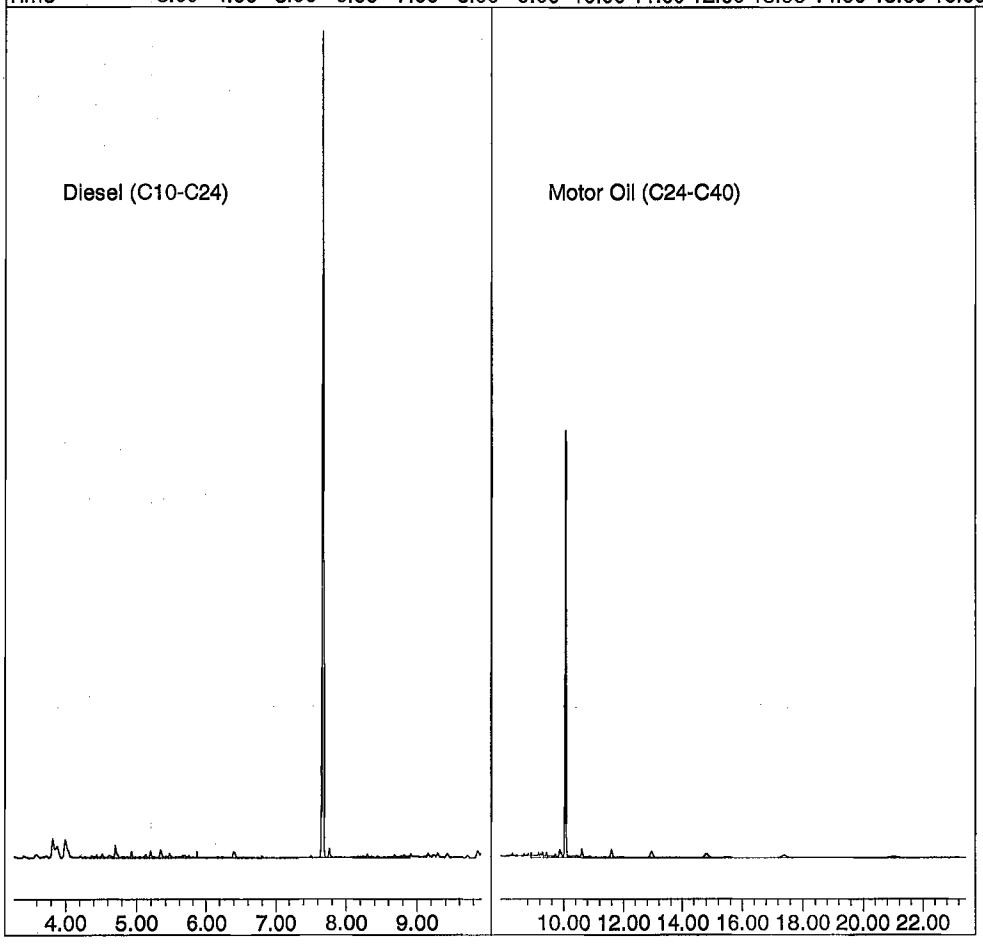
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.67	125623854	120.490 ppb
Surrogate Spike 144.231		Recovery =	83.54%
4) SA Octacosane(S)	10.05	113097839	150.176 ppb
Surrogate Spike 144.231		Recovery =	104.12%
Target Compounds			
1) HATM Diesel (C10-C24)	6.60	34486684	76.679 ppb
2) HBTM Motor Oil (C24-C40)	15.67	67105624	172.495 ppb

Target Compounds

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

Data File: G:\APOLLO\DATA\211215\1215030.D
Sample : BA46971W09 5/1040





Quantitation Report (QT Reviewed)

Data File : G:\APOLLO\DATA\211215\1215031.D Vial: 31
Acq On : 12-15-21 23:37:35 Operator: KA
Sample : BA46973W09 5/1050 Inst : Apollo
Misc : Water Multiplr: 4.76
IntFile : events.e
Quant Time: Dec 16 12:56 2021 Quant Results File: DOC1212.RES

Method : G:\APOLLO\DATA\211229\DOC1212.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Dec 16 12:24:49 2021
Response via : Multiple Level Calibration

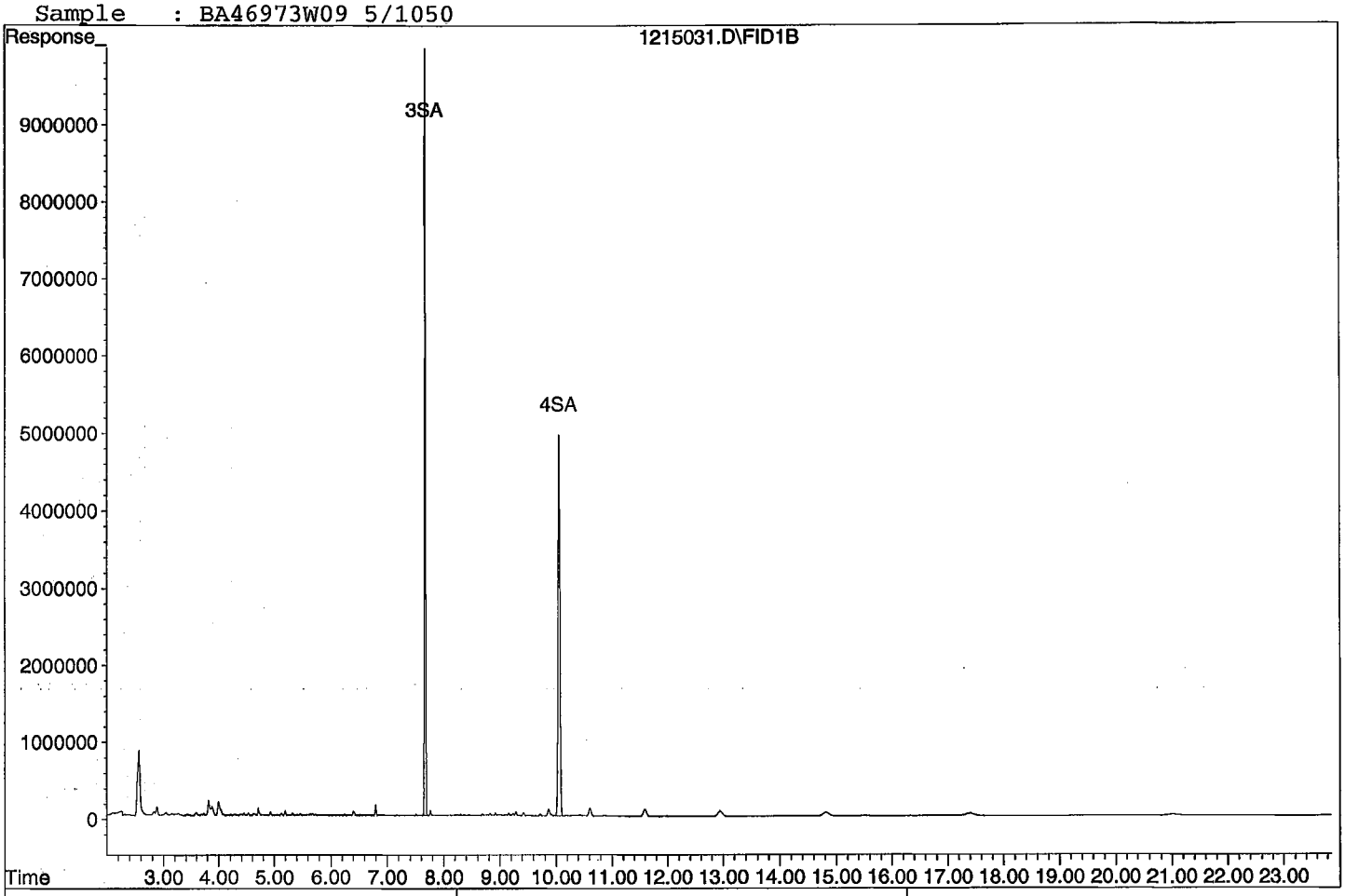
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

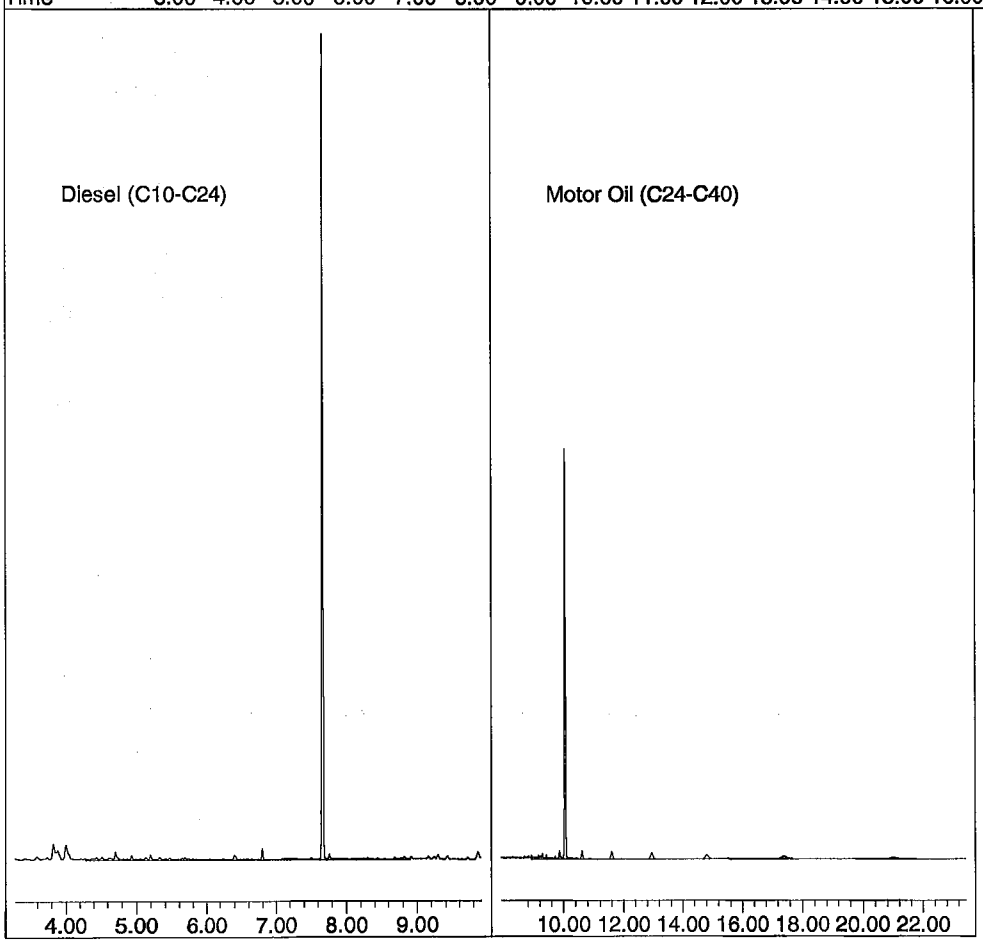
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.67	123240351	117.078 ppb
Surrogate Spike 142.857		Recovery =	81.95%
4) SA Octacosane(S)	10.05	111178153	146.221 ppb
Surrogate Spike 142.857		Recovery =	102.35%
Target Compounds			
1) HATM Diesel (C10-C24)	6.60	44035117	86.855 ppb
2) HBTM Motor Oil (C24-C40)	15.67	48773512	138.058 ppb

Target Compounds

Quantitation Report

Data File: G:\APOLLO\DATA\211215\1215031.D
Sample : BA46973W09 5/1050





Quantitation Report (QT Reviewed)

Data File : G:\APOLLO\DATA\211215\1215032.D Vial: 32
Acq On : 12-16-21 0:05:40 Operator: KA
Sample : BA46974W07 5/1040 Inst : Apollo
Misc : Water Multiplr: 4.81
IntFile : events.e
Quant Time: Dec 16 12:56 2021 Quant Results File: DOC1212.RES

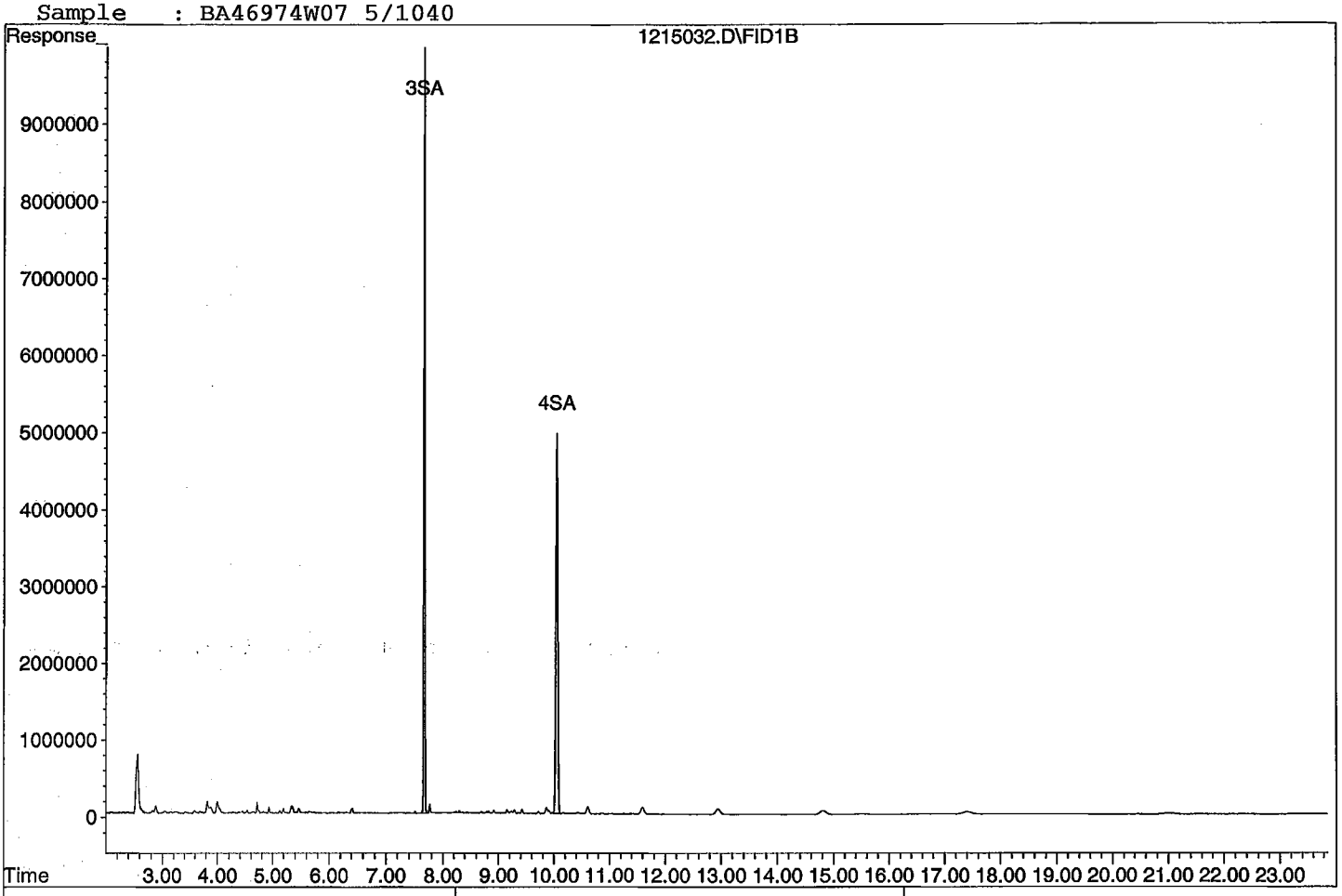
Method : G:\APOLLO\DATA\211229\DOC1212.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Dec 16 12:24:49 2021
Response via : Multiple Level Calibration

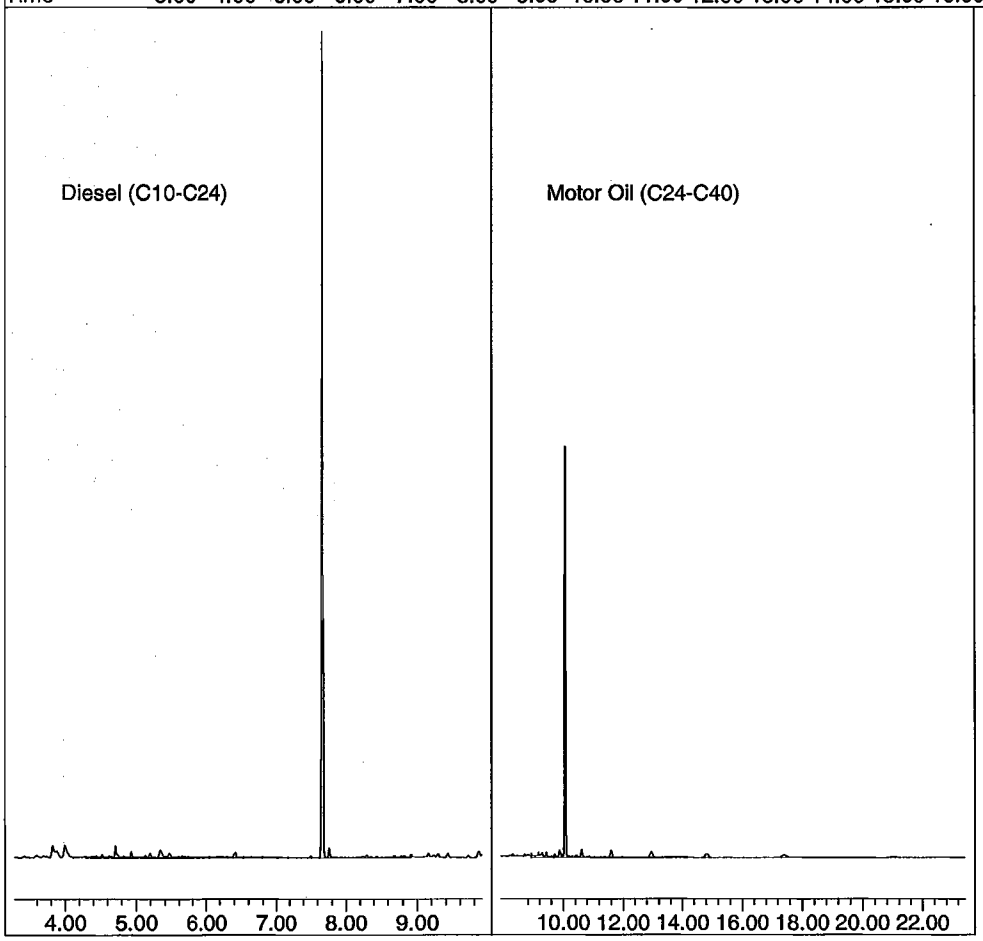
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.67	125485364	120.357 ppb
Surrogate Spike 144.231		Recovery =	83.45%
4) SA Octacosane(S)	10.05	114536805	152.087 ppb
Surrogate Spike 144.231		Recovery =	105.45%
Target Compounds			
1) HATM Diesel (C10-C24)	6.60	38838835	81.698 ppb
2) HBTM Motor Oil (C24-C40)	15.67	61216575	161.859 ppb
Target Compounds			

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

Data File: G:\APOLLO\DATA\211215\1215032.D
Sample : BA46974W07 5/1040





Quantitation Report (QT Reviewed)

Data File : G:\APOLLO\DATA\211215\1215027.D Vial: 27
Acq On : 12-15-21 21:45:15 Operator: KA
Sample : 211201A BLK 5/1000 Inst : Apollo
Misc : Water Multiplr: 5.00
IntFile : events.e
Quant Time: Dec 16 12:51 2021 Quant Results File: DOC1212.RES

Method : G:\APOLLO\DATA\211229\DOC1212.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Dec 16 12:24:49 2021
Response via : Multiple Level Calibration

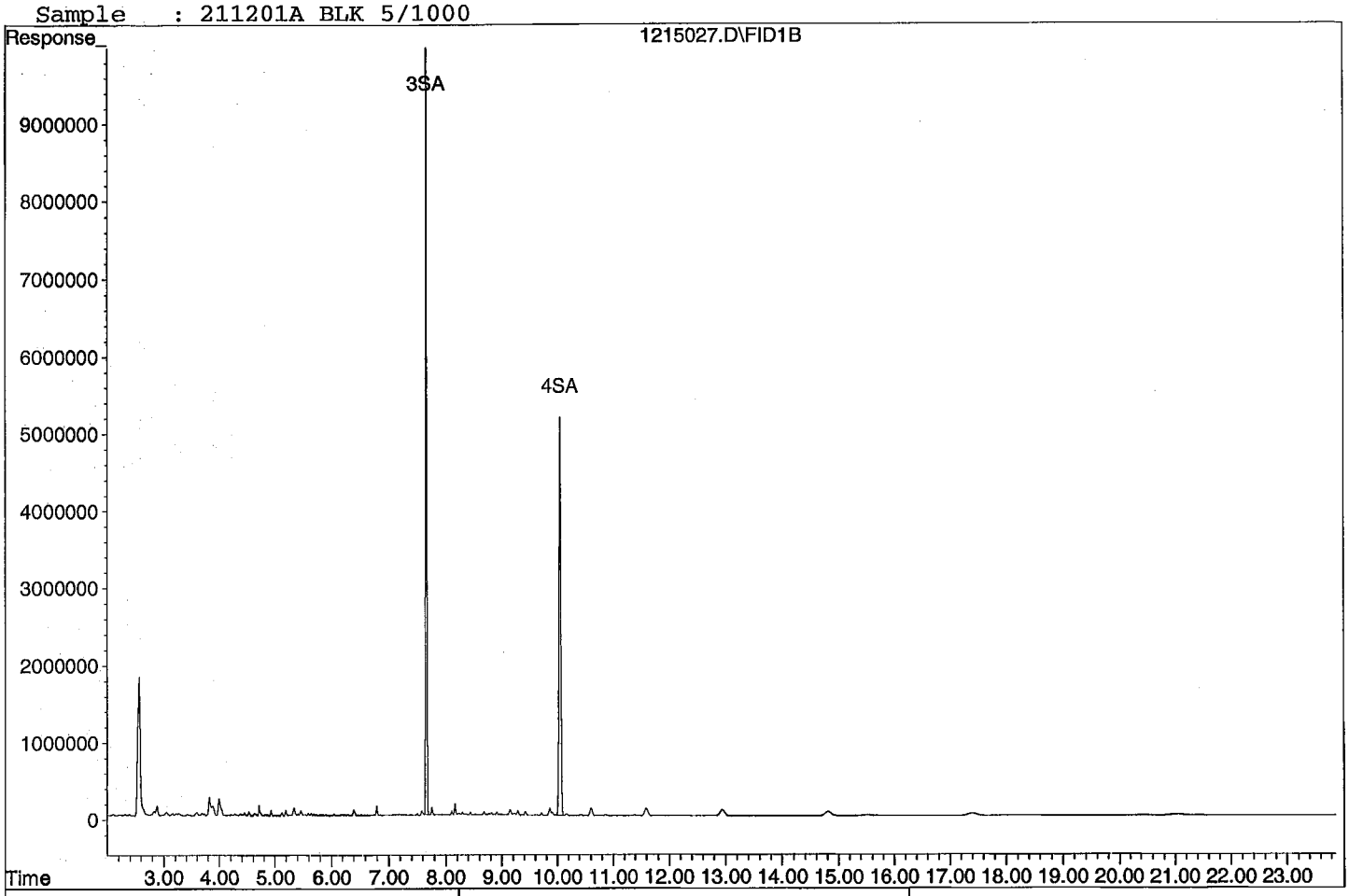
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

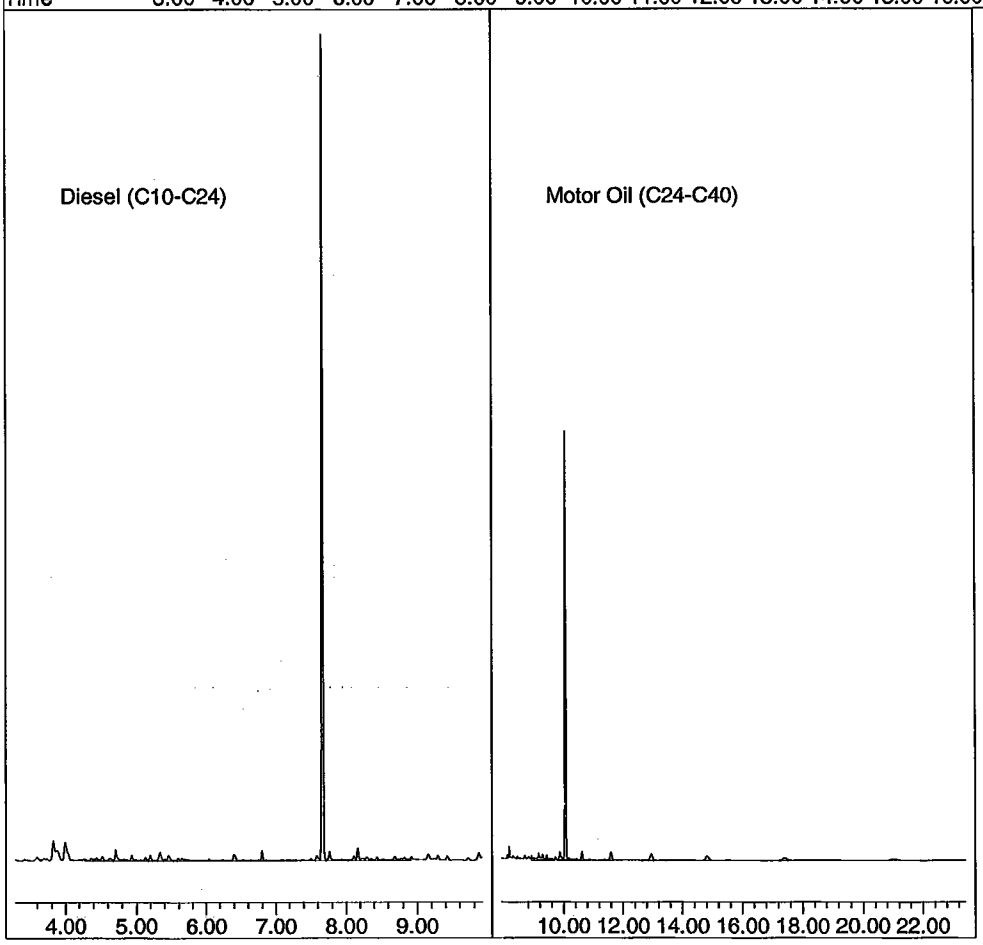
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.67	127001860	126.684 ppb
Surrogate Spike 150.000		Recovery =	84.46%
4) SA Octacosane(S)	10.05	114820831	158.563 ppb
Surrogate Spike 150.000		Recovery =	105.71%
Target Compounds			
1) HATM Diesel (C10-C24)	6.60	52862494	101.785 ppb
2) HBTM Motor Oil (C24-C40)	15.67	61239257	168.376 ppb

Target Compounds

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

Data File: G:\APOLLO\DATA\211215\1215027.D
Sample : 211201A BLK 5/1000





Quantitation Report (QT Reviewed)

Data File : G:\APOLLO\DATA\211215\1215028.D Vial: 28
Acq On : 12-15-21 22:13:21 Operator: KA
Sample : 211201A LCS-1 5/1000 Inst : Apollo
Misc : Water Multiplr: 5.00
IntFile : events.e
Quant Time: Dec 16 12:53 2021 Quant Results File: DOC1212.RES

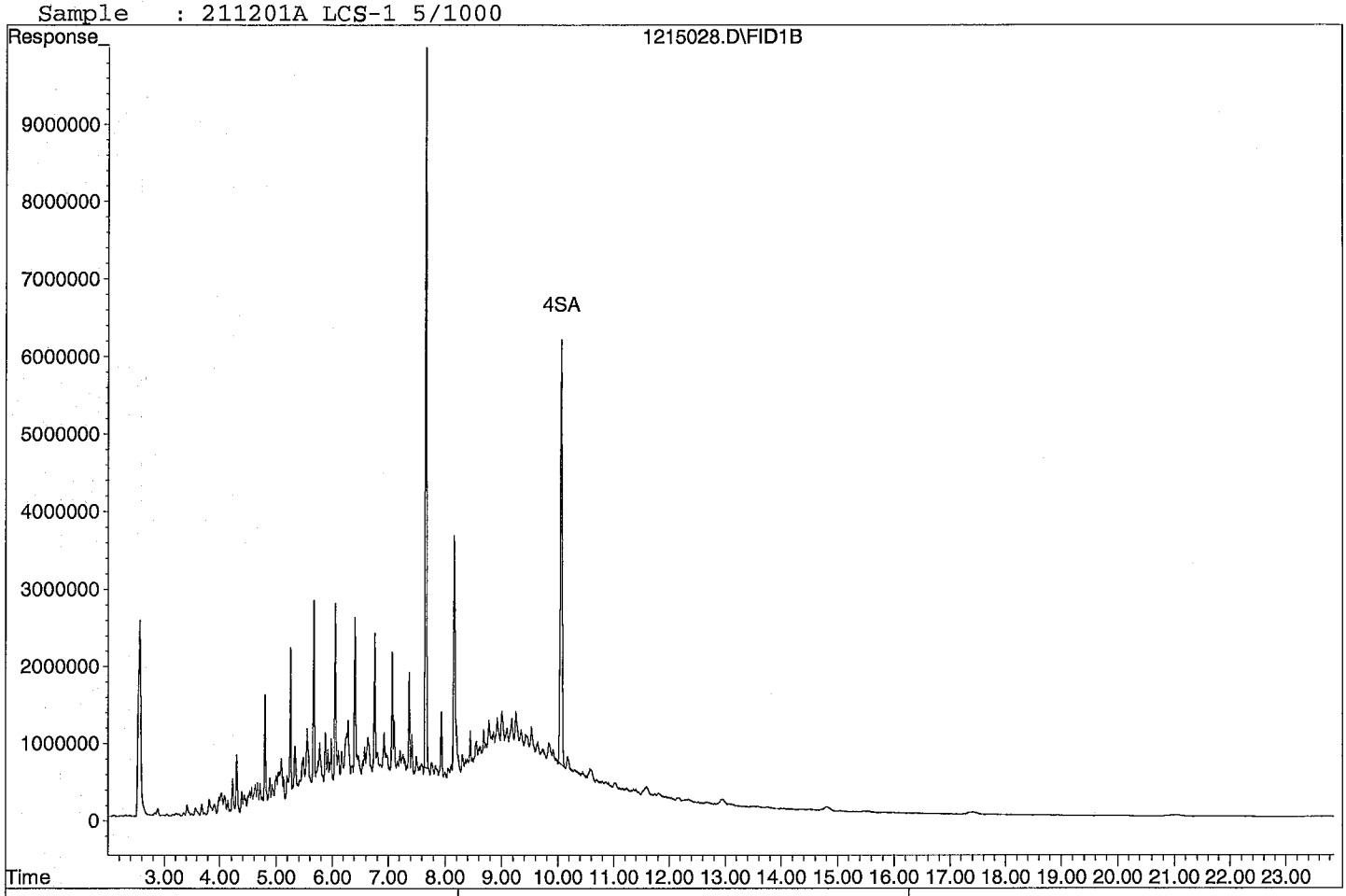
Method : G:\APOLLO\DATA\211215\DOC1212.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Dec 16 12:24:49 2021
Response via : Multiple Level Calibration

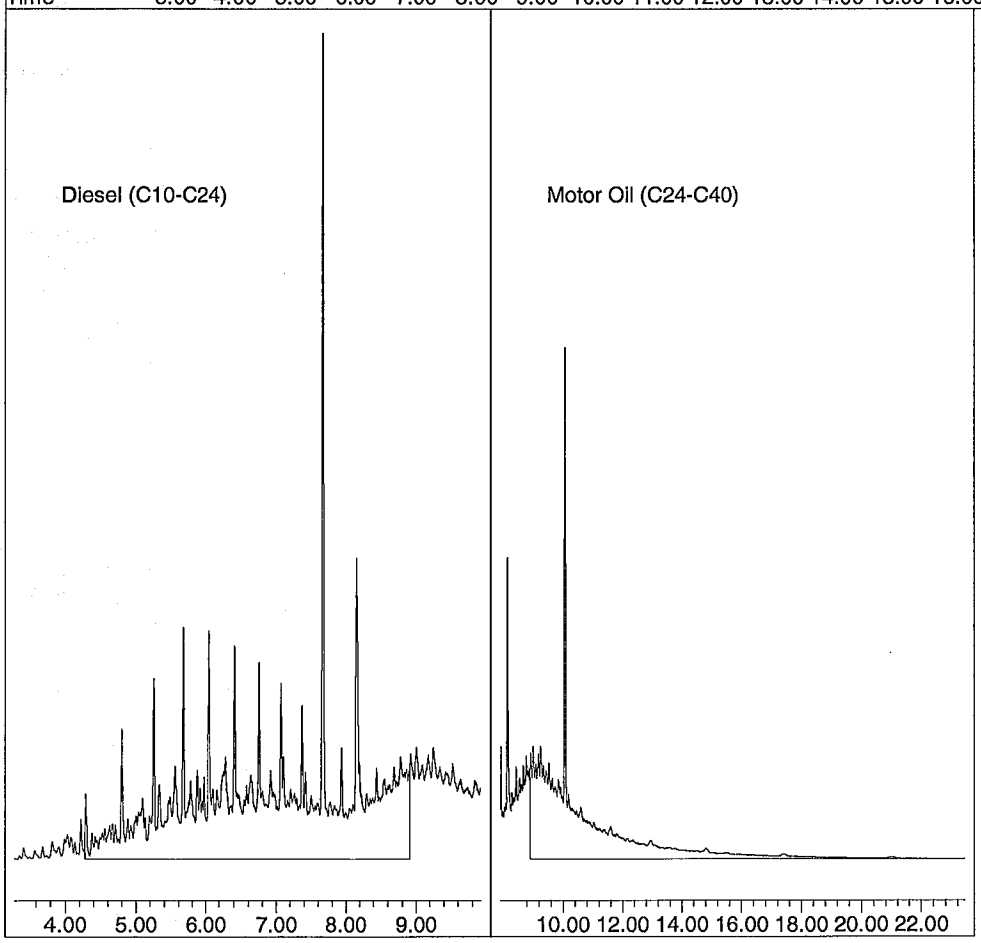
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.67	152679929	152.298 ppb
Surrogate Spike 150.000		Recovery =	101.53%
4) SA Octacosane(S)	10.06	120721221	166.711 ppb
Surrogate Spike 150.000		Recovery =	111.14%
Target Compounds			
1) HATM Diesel (C10-C24)	6.60	1972646633	2404.331 ppb
2) HBTM Motor Oil (C24-C40)	15.67	1554420376	2973.062 ppb
Target Compounds			

(f)=RT Delta > 1/2 Window (m)=manual int.
1215028.D DOC1212.M Thu Dec 30 15:24:53 2021

Data File: G:\APOLLO\DATA\211215\1215028.D
Sample : 211201A LCS-1 5/1000





Quantitation Report (QT Reviewed)

Data File : G:\APOLLO\DATA\211215\1215029.D Vial: 29
Acq On : 12-15-21 22:41:27 Operator: KA
Sample : 211201A LCSD-1 5/1000 Inst : Apollo
Misc : Water Multiplr: 5.00
IntFile : events.e
Quant Time: Dec 16 12:54 2021 Quant Results File: DOC1212.RES

Method : G:\APOLLO\DATA\211229\DOC1212.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Dec 16 12:24:49 2021
Response via : Multiple Level Calibration

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

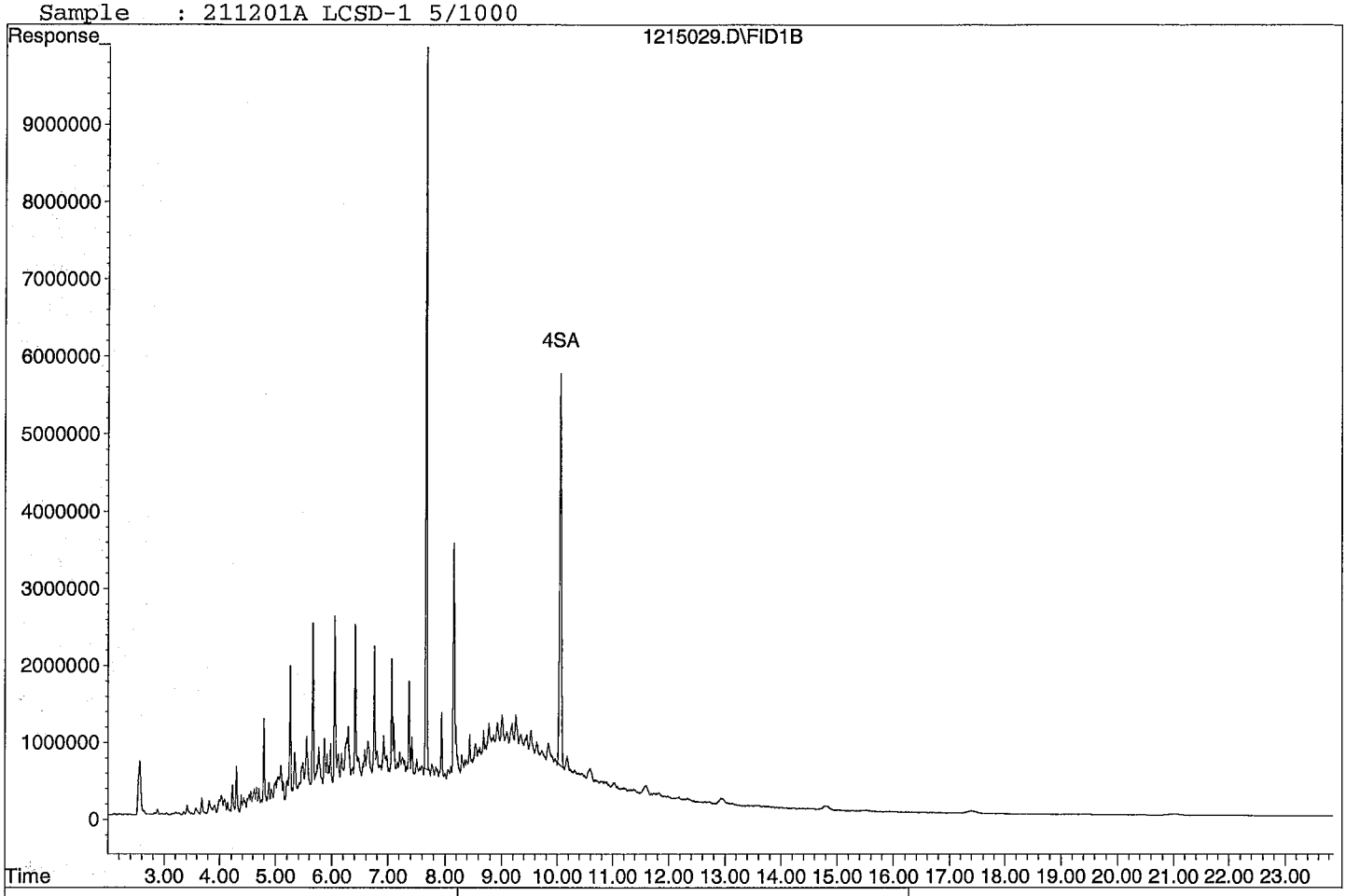
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.67	145424747	145.061 ppb
Surrogate Spike 150.000		Recovery =	96.71%
4) SA Octacosane(S)	10.06	115638570	159.692 ppb
Surrogate Spike 150.000		Recovery =	106.46%
Target Compounds			
1) HATM Diesel (C10-C24)	6.60	1840764013	2246.154 ppb
2) HBTM Motor Oil (C24-C40)	15.67	1509921875	2889.479 ppb

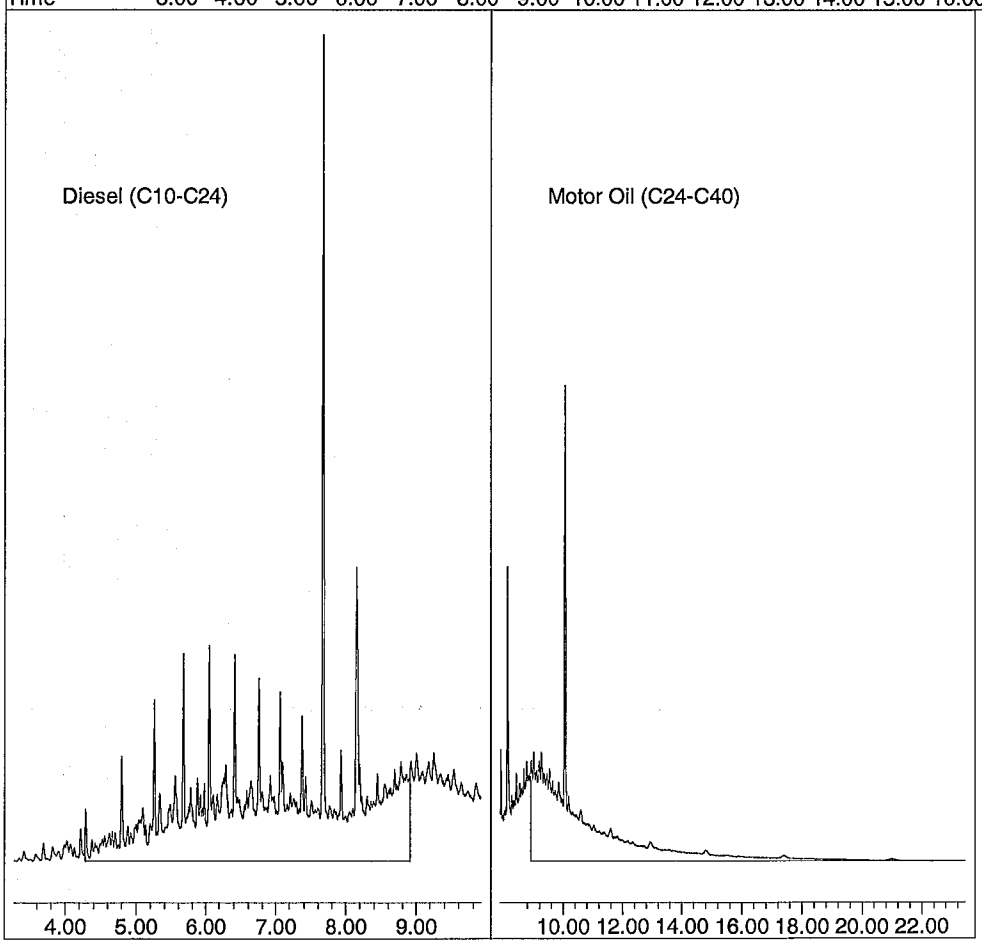
Target Compounds

(f)=RT Delta > 1/2 Window

(m)=manual int.
1215029.D DOC1212.M Thu Dec 30 14:33:13 2021

Data File: G:\APOLLO\DATA\211215\1215029.D
Sample : 211201A LCSD-1 5/1000





Diesel / Motor Oil Calibration Curve

Prepared: 12/12/2021
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:12/09/21 A0164586-53276, 53175, 53277 and 53278, A0168842-53280, and CL16893-53203	See man. Exp date	11/30/2027 10/31/2027 5/31/2026 3/31/28	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 Calibration Standard

Prepared: 12/9/2021 **Prepared By (Initials):** KA

Expires: 5/31/2026

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	Restek	31258	50,000	**A0164586-53276, 53275, 53277, and 53278**	**See man. Exp date**	**10/31/2027**	400uL	10mL	MC	2000
Motor Oil	Restek	31464	50,000	**A0168842-52820**		**3/31/2028**	400uL			2000
THC Surrogate	Phenova	ALO-130161	600	**CL16893-53203**		**5/31/2026**	1666uL			100

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: 11/23/2021 **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	**CL16893-53204**	**See ma. Date**	**5/31/2026**	N/A	N/A	N/A	600

_LIQ005SGC

Organic Extraction Worksheet

Method	Continuous Liq/Liq TPH- 3520C w/SGC	Extraction Set	211201A	Extraction Method	LIQ005SGC	Units	mL

Spiked ID 1	Diesel Motor Oil Mix 10-30-21 10-31-27		Surrogate ID 1	THC Surrogate 11-23-21 11-23-22	
Spiked ID 2	Decanoic 1000ug/mL Acid Solution 12-1-21 7-8-24		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:	12/01/21 10:54	
Spiked ID 8			Ext. End Time:	12/02/21 6:40	
			GC Requires Extract By:		

pH1	2	12/01/21 10:10	Water Bath Temp 1 °C	40/39.1 °C
pH2			Water Bath Temp 2 °C	34/35.1
pH3			Water Bath Temp 3 °C	30/29.5 °C

Spiked By: SR **Date** 12/1/2021 **Witnessed By:** CG **Date** 12/1/2021

	Sample	Sample Container	Spike Amount	Spike ID	Surrogate Amount	Surrogate ID	Extract Amount	Final Volume	pH	Extract Date/Time	Comments
1	211201A Blk		0.050	2	0.250	1	1000	5	2	12/01/21 10:12	*
						equip	E-HP3 E-WB1				
2	211201A LCS-1		0.080,0.050	1,2	0.250	1	1000	5	2	12/01/21 10:12	*
						equip	E-HP4 E-WB2				
3	211201A LCSD-1		0.080,0.050	1,2	0.250	1	1000	5	2	12/01/21 10:12	*
						equip	E-HP6 E-WB3				
4	BA46971	BA46971W09	0.050	2	0.250	1	1040	5	2	12/01/21 10:12	98336 *
						equip	E-HP7 E-WB1				
5	BA46973	BA46973W09	0.050	2	0.250	1	1050	5	2	12/01/21 10:12	98336 *
						equip	E-HP8 E-WB2				
6	BA46974	BA46974W07	0.050	2	0.250	1	1040	5	2	12/01/21 10:12	98336 *
						equip	E-HP9 E-WB3				
7	BA46979	BA46979W09	0.050	2	0.250	1	1030	5	2	12/01/21 10:12	98337 *
						equip	E-HP10 E-WB1				
8	BA46981	BA46981W09	0.050	2	0.250	1	1040	5	2	12/01/21 10:12	98337 *
						equip	E-HP11 E-WB2				
9	BA46983	BA46983W09	0.050	2	0.250	1	1030	5	2	12/01/21 10:12	98337 *
						equip	E-HP12 E-WB3				
10	BA46985	BA46985W09	0.050	2	0.250	1	1030	5	2	12/01/21 10:12	98337 *
						equip	E-HP13 E-WB1				

Solvent and Lot#	
1+1 HCL (5mLs)	60358
PH Strips	HC160397
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	12/2/21
Time	15:30
Refrigerator	HOBART

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

Modified	12/2/2021 12:40:20 PM

Reviewed By: KY **Date** 12/2/2021

Injection Log

Directory: G:\APOLLO\DATA\211212\

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	4	1212006.D	1	DMO Calibration 1 12/12/21	Water	12-12-21 16:08:57
2	5	1212007.D	1	DMO Calibration 2 12/12/21	Water	12-12-21 16:37:14
3	6	1212008.D	1	DMO Calibration 3 12/12/21	Water	12-12-21 17:05:32
4	7	1212009.D	1	DMO Calibration 4 12/12/21	Water	12-12-21 17:33:48
5	8	1212010.D	1	DMO Calibration 5 12/12/21	Water	12-12-21 18:02:04
6	9	1212011.D	1	DMO Calibration 6 12/12/21	Water	12-12-21 18:30:20
7	10	1212012.D	1	DMO Calibration 7 12/12/21	Water	12-12-21 18:58:36
8	11	1212013.D	1	DMO Second Source 10/28/21	Water	12-12-21 19:26:51
9	22	1215022.D	1	DMO STD DF2 12/09/21	Water	12-15-21 19:24:43
10	27	1215027.D	5	211201A BLK 5/1000	Water	12-15-21 21:45:15
11	28	1215028.D	5	211201A LCS-1 5/1000	Water	12-15-21 22:13:21
12	29	1215029.D	5	211201A LCSD-1 5/1000	Water	12-15-21 22:41:27
13	30	1215030.D	4.80769	BA46971W09 5/1040	Water	12-15-21 23:09:31
14	31	1215031.D	4.7619	BA46973W09 5/1050	Water	12-15-21 23:37:35
15	32	1215032.D	4.80769	BA46974W07 5/1040	Water	12-16-21 0:05:40
16	36	1215036.D	1	DMO STD DF2 12/09/21	Water	12-16-21 1:58:02

ORGANICS
Calibration Data

TPH Extractables
DOC1028

Form 6
Initial Calibration

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

		Compound	1	2	3	4	5	6	7				Avg	%RSD	Type	r^2	Q
			1028003.D	1028004.D	1028005.D	1028006.D	1028007.D	1028008.D	1028009.D								
1	HATM	Diesel (C10-C24)	2983809	2406563	2517872	2418941	2337993	2387715	2563791				2516669	8.7	HATM		
2	HBTML	Motor Oil (C24-C40)	5192328	3260715	2065863	1824592	1695984	1676117	1728658				2492037	53	HBTM	1.000	
3	SA	Ortho-Terphenyl(S)	3637234	3178668	3119876	3035678	2926966	2905323	3088794				3127505	7.9	SA		
4	SA	Octacosane(S)	2469203	2170507	2286410	2275552	2170413	2171254	2286658				2261428	4.8	SA		
5																	
6																	
7																	
8																	
9																	
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35																	

2.118919

Quantitation Report (Not Reviewed)

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

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

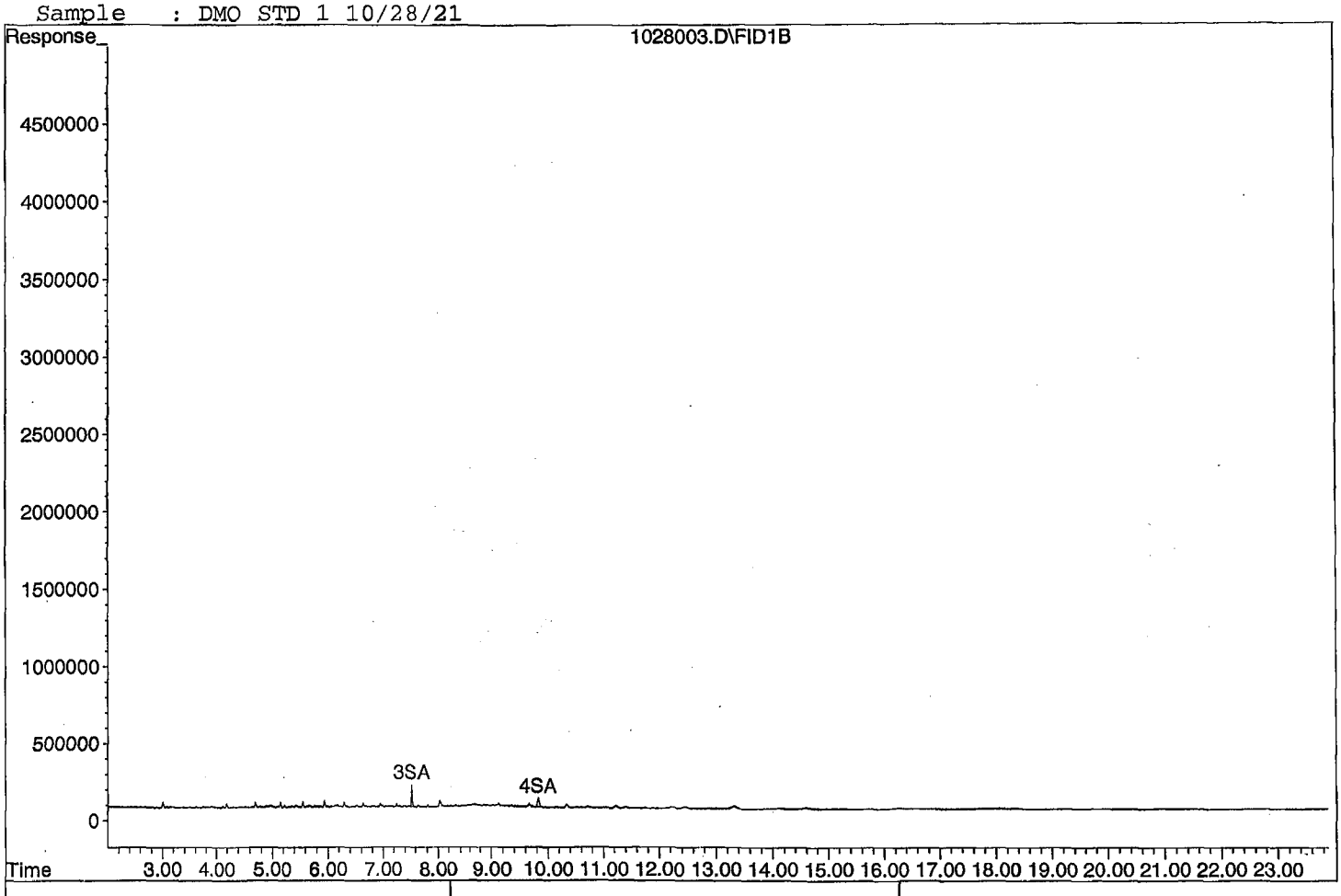
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

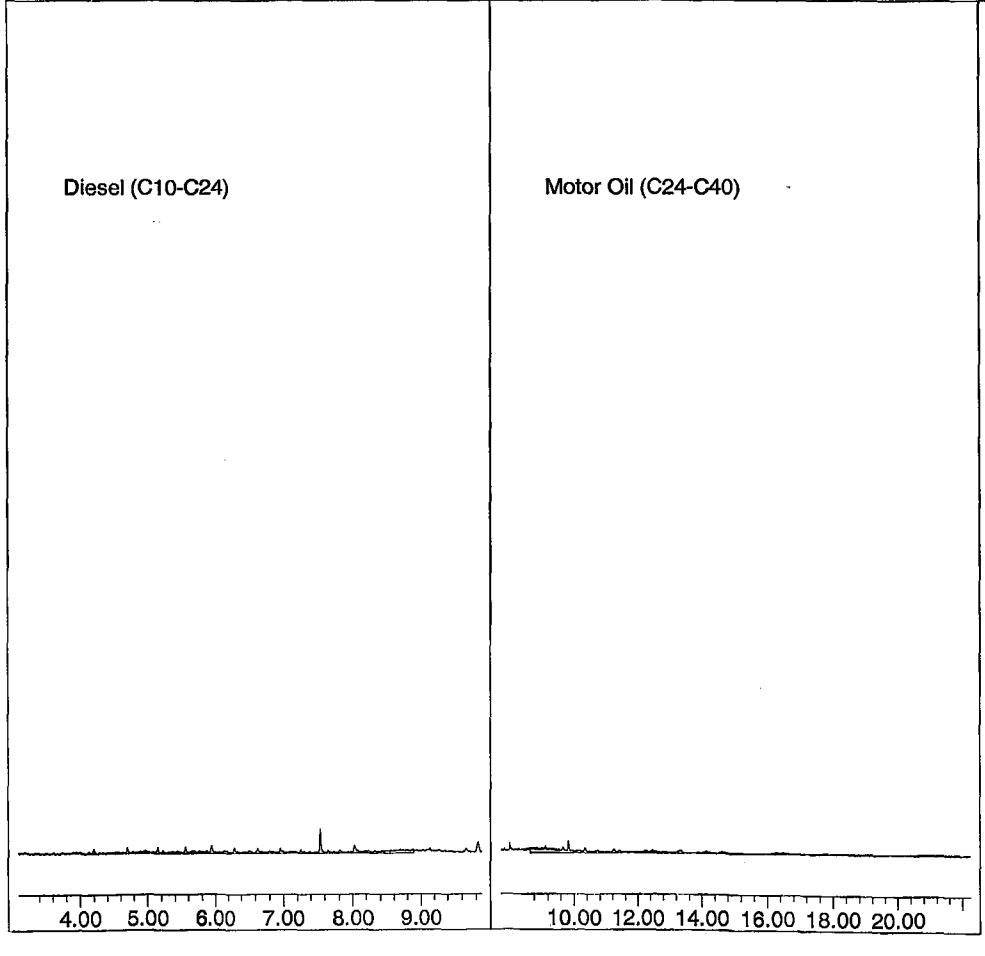
Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
3) SA Ortho-Terphenyl(S)	7.53	1818617	0.291	ppb
Surrogate Spike 30.000	Recovery =		0.97%	
4) SA Octacosane(S)	9.82	1234601	0.273	ppb
Surrogate Spike 30.000	Recovery =		0.91%	
Target Compounds				
1) HATM Diesel (C10-C24)	6.49	29838086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

Target Compounds

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

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





Quantitation Report (Not Reviewed)

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

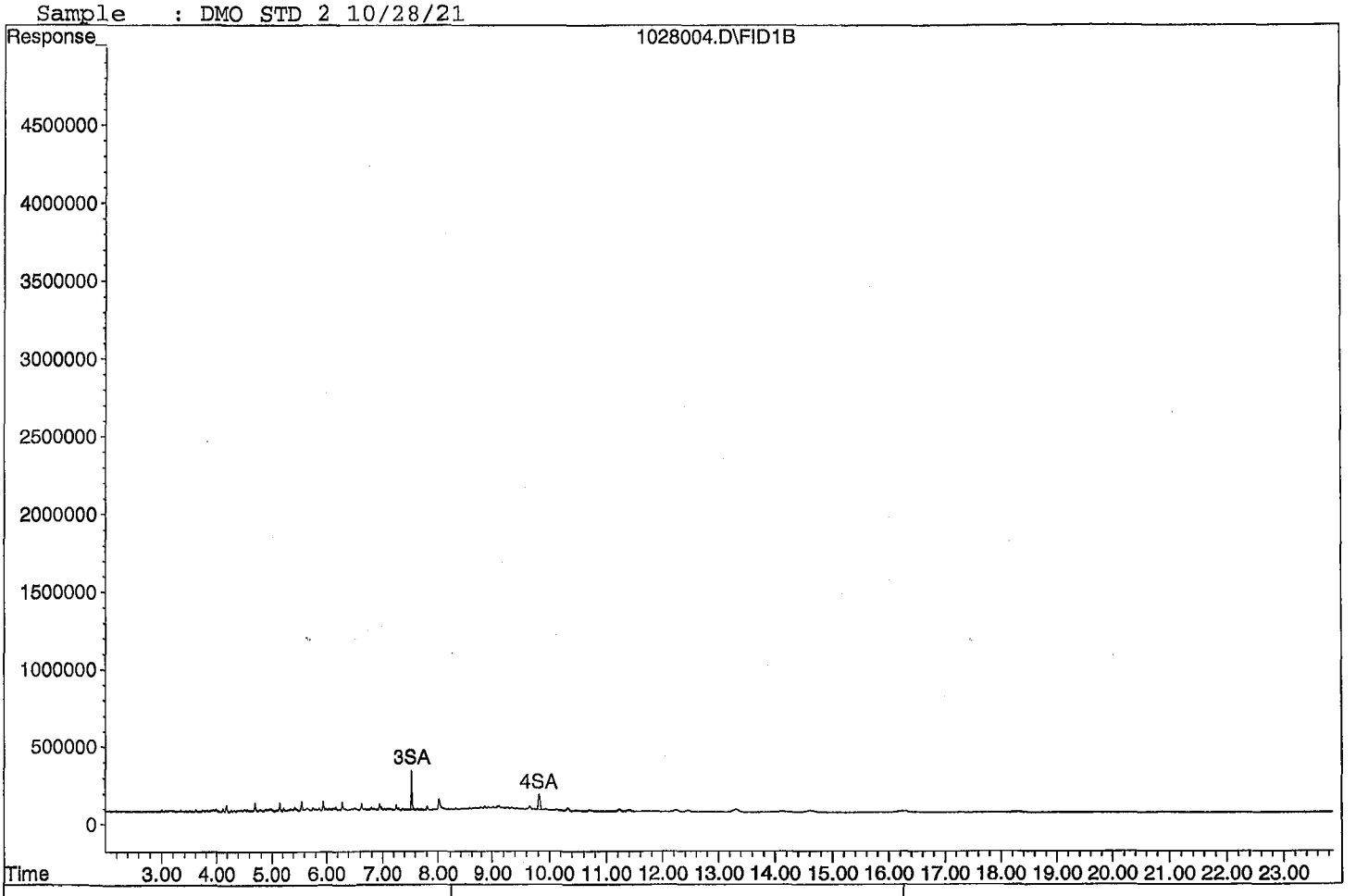
Method : G:\APOLLO\DATA\211028\DOC1028.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Oct 28 15:39:11 2021
Response via : Multiple Level Calibration

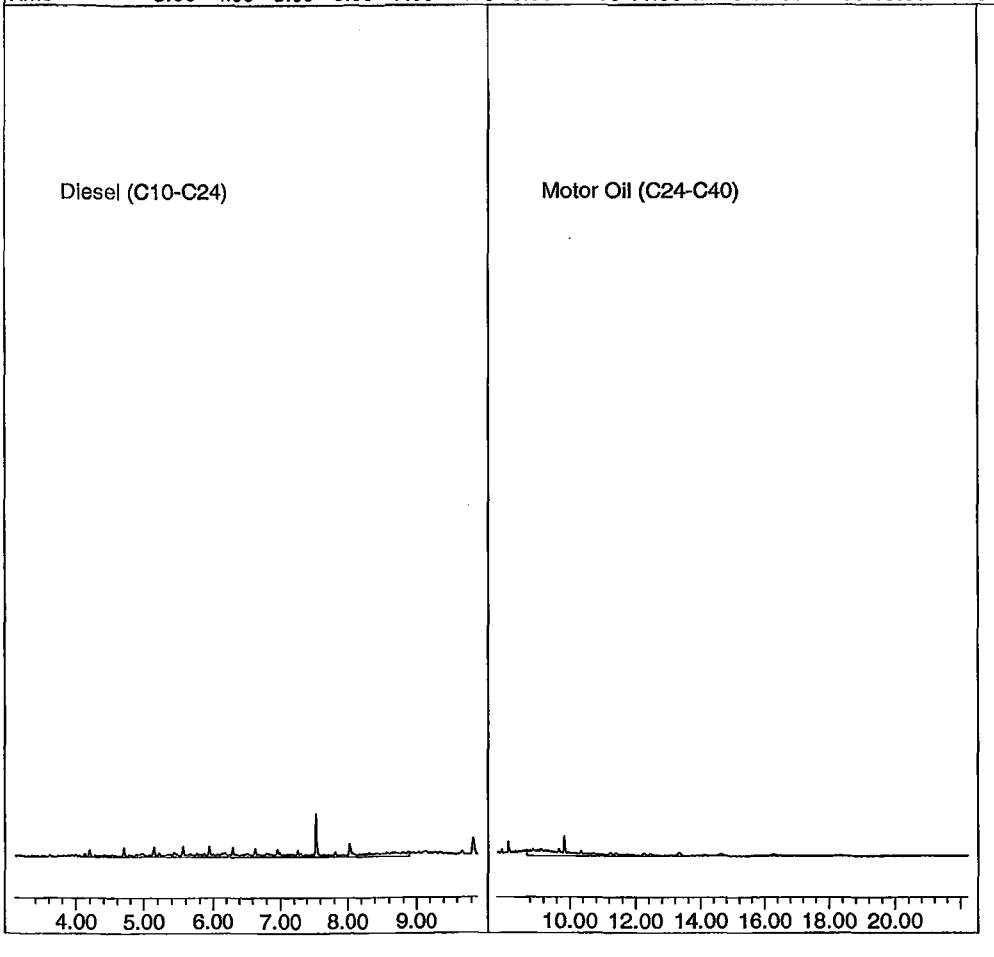
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

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

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

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





Quantitation Report (Not Reviewed)

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

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

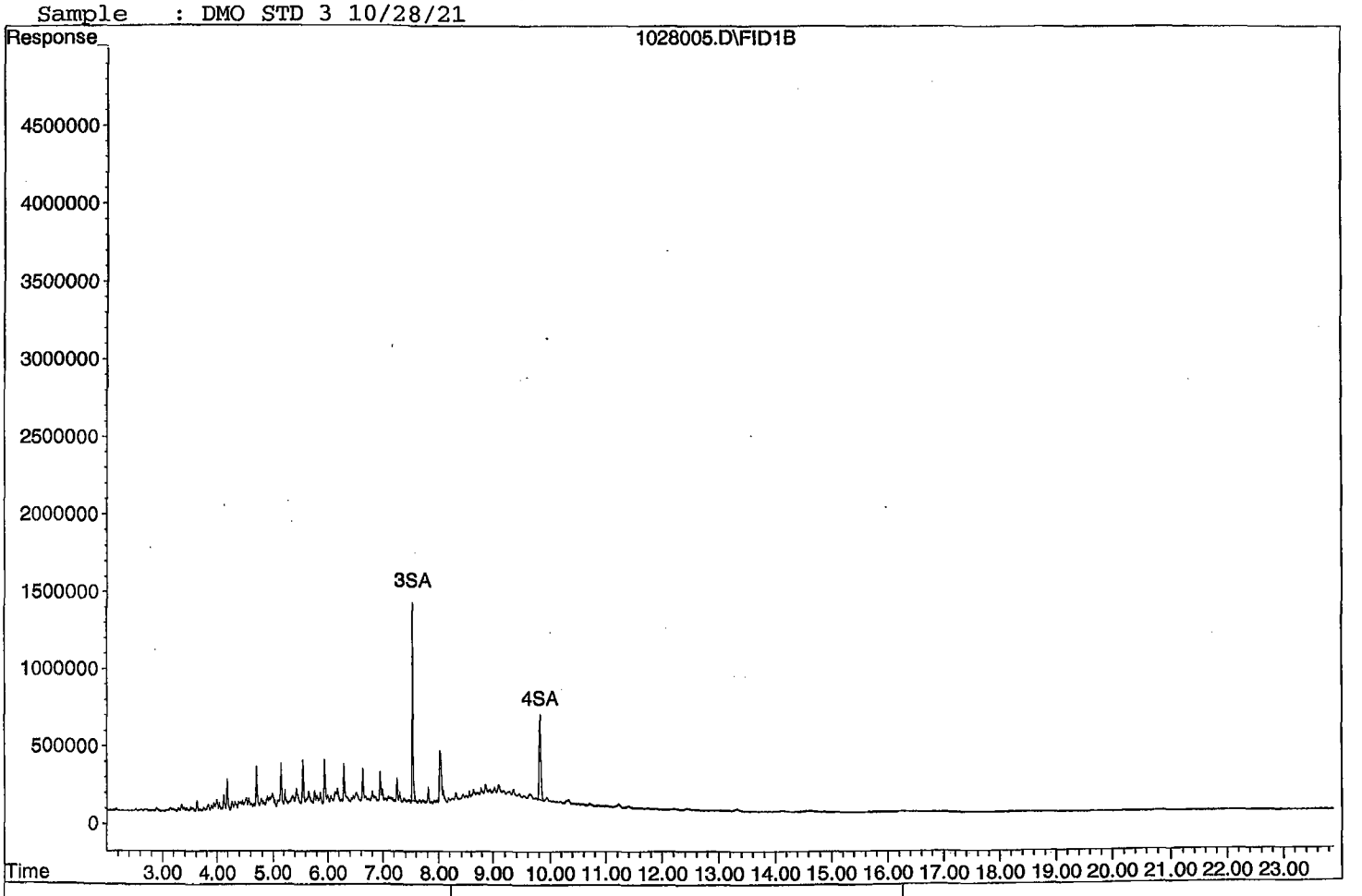
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

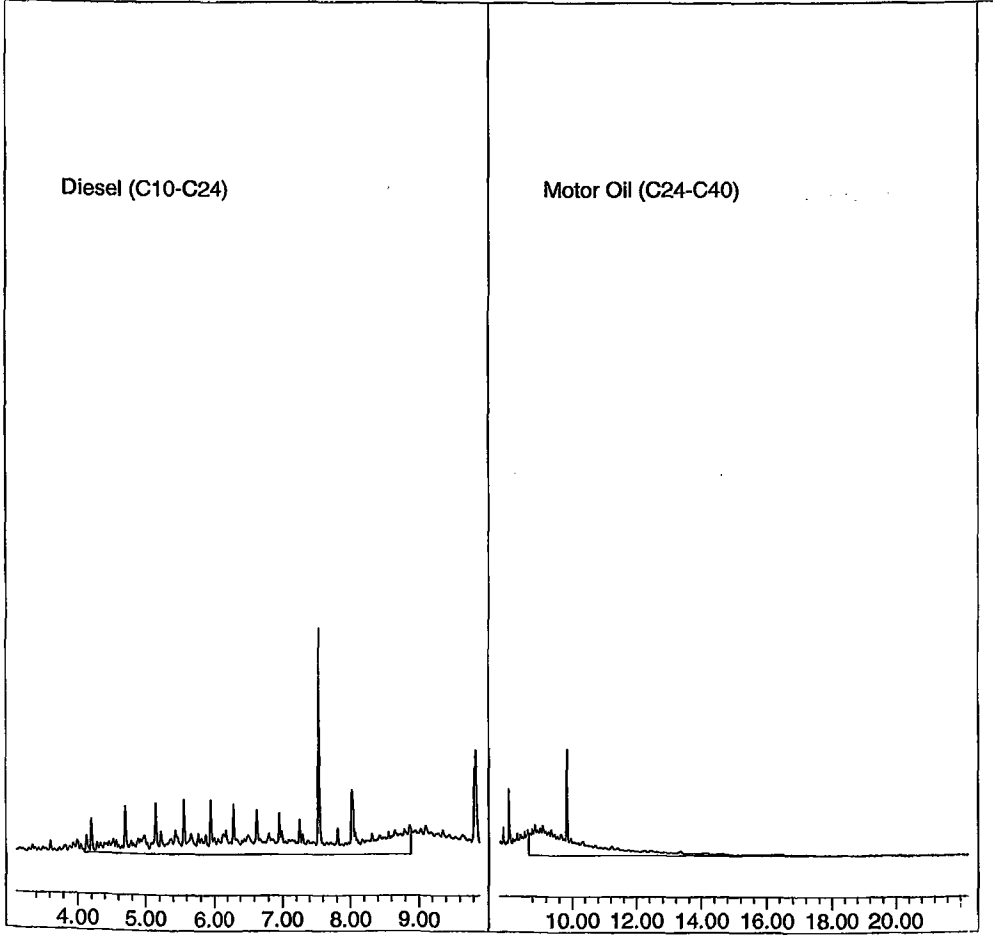
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.53	15599382	2.494 ppb
Surrogate Spike 30.000	Recovery =		8.31%
4) SA Octacosane(S)	9.82	11432050	2.528 ppb
Surrogate Spike 30.000	Recovery =		8.43%
Target Compounds			
1) HATM Diesel (C10-C24)	6.49	251787231	50.024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

Target Compounds

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

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





Quantitation Report (Not Reviewed)

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

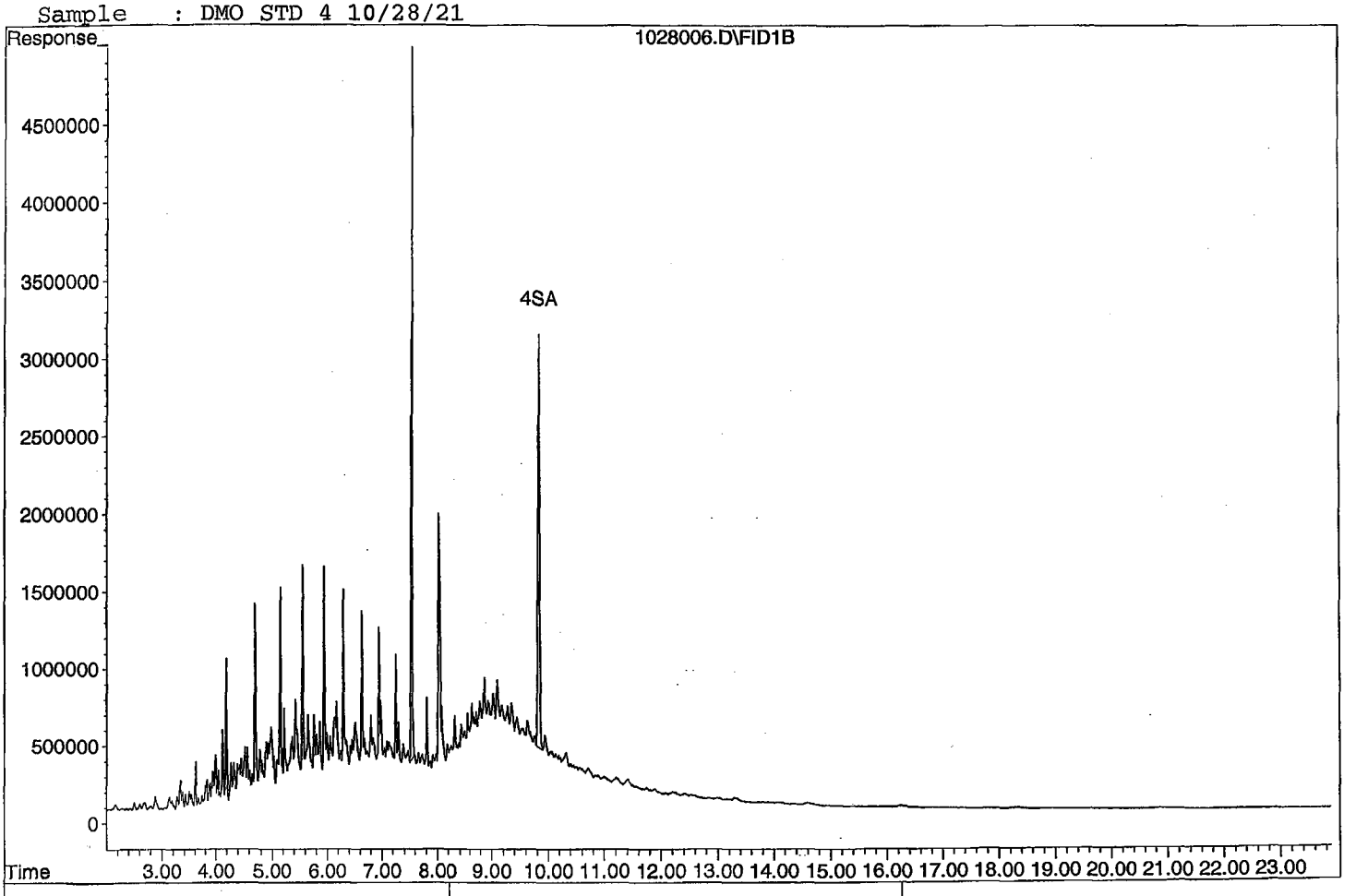
Method : G:\APOLLO\DATA\211028\DOC1028.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Oct 28 15:39:11 2021
Response via : Multiple Level Calibration

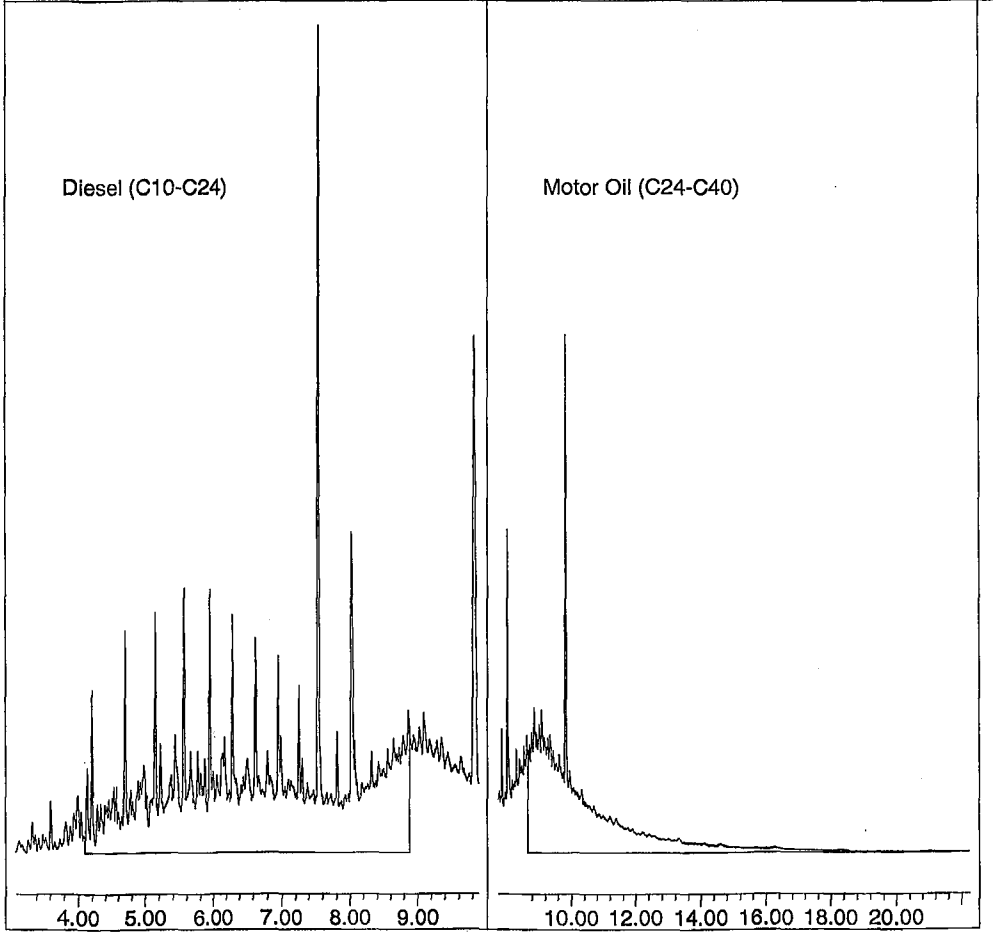
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

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

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

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





Quantitation Report (Not Reviewed)

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

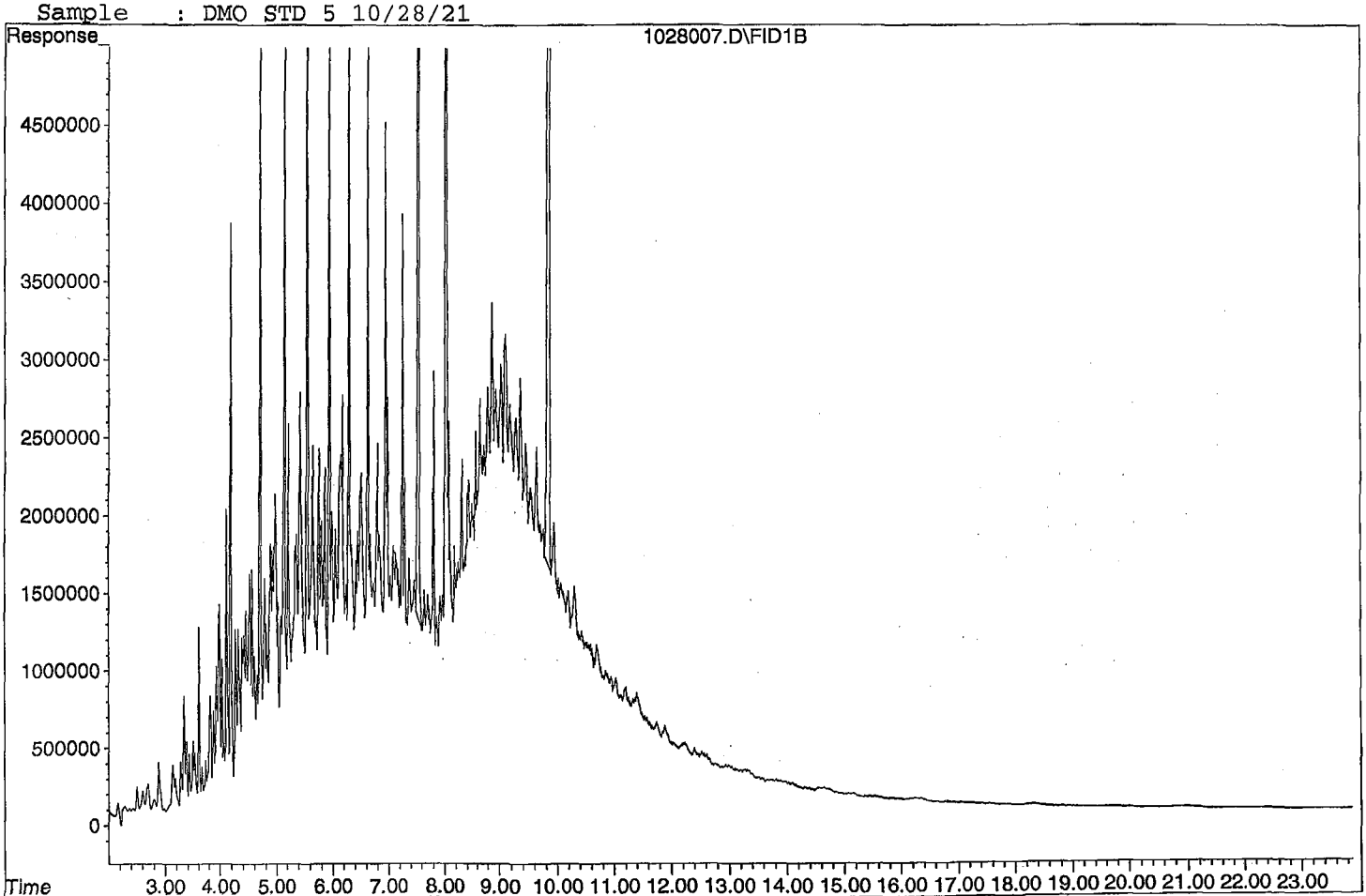
Method : G:\APOLLO\DATA\211028\DOC1028.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Oct 28 15:39:11 2021
Response via : Multiple Level Calibration

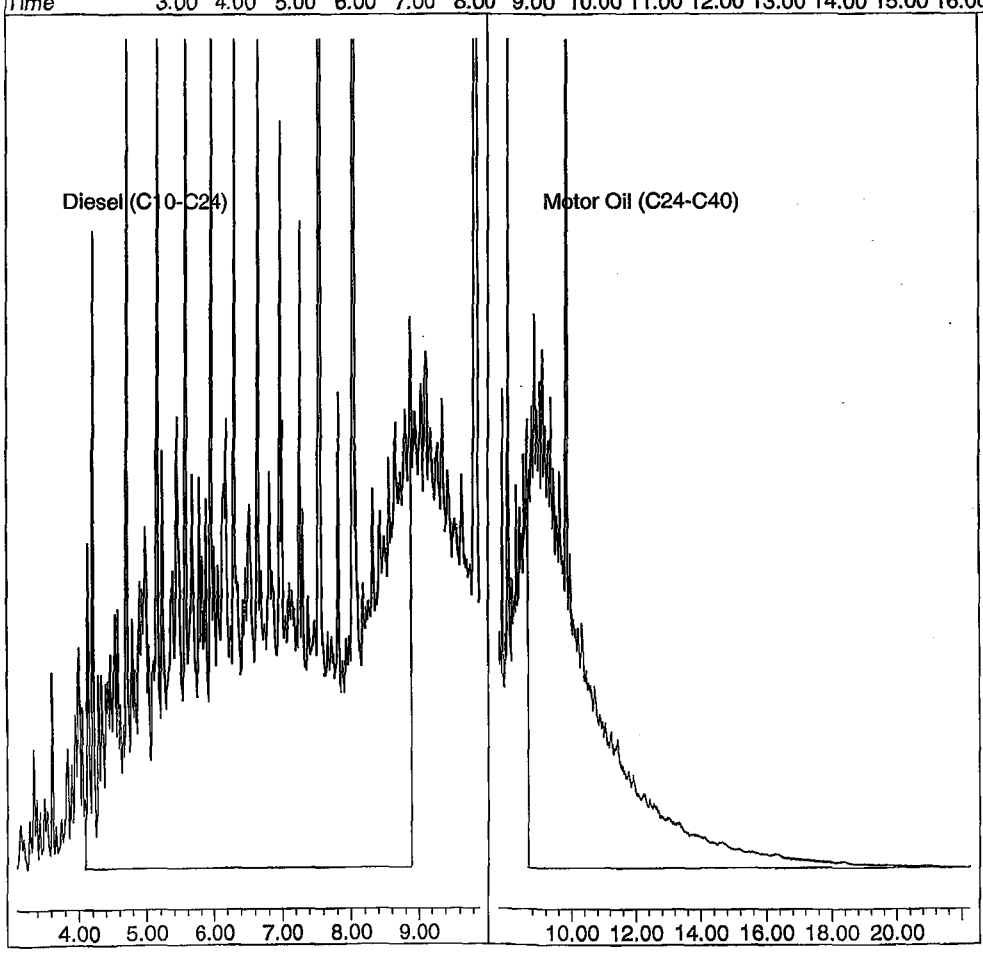
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

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

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

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





Quantitation Report (Not Reviewed)

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

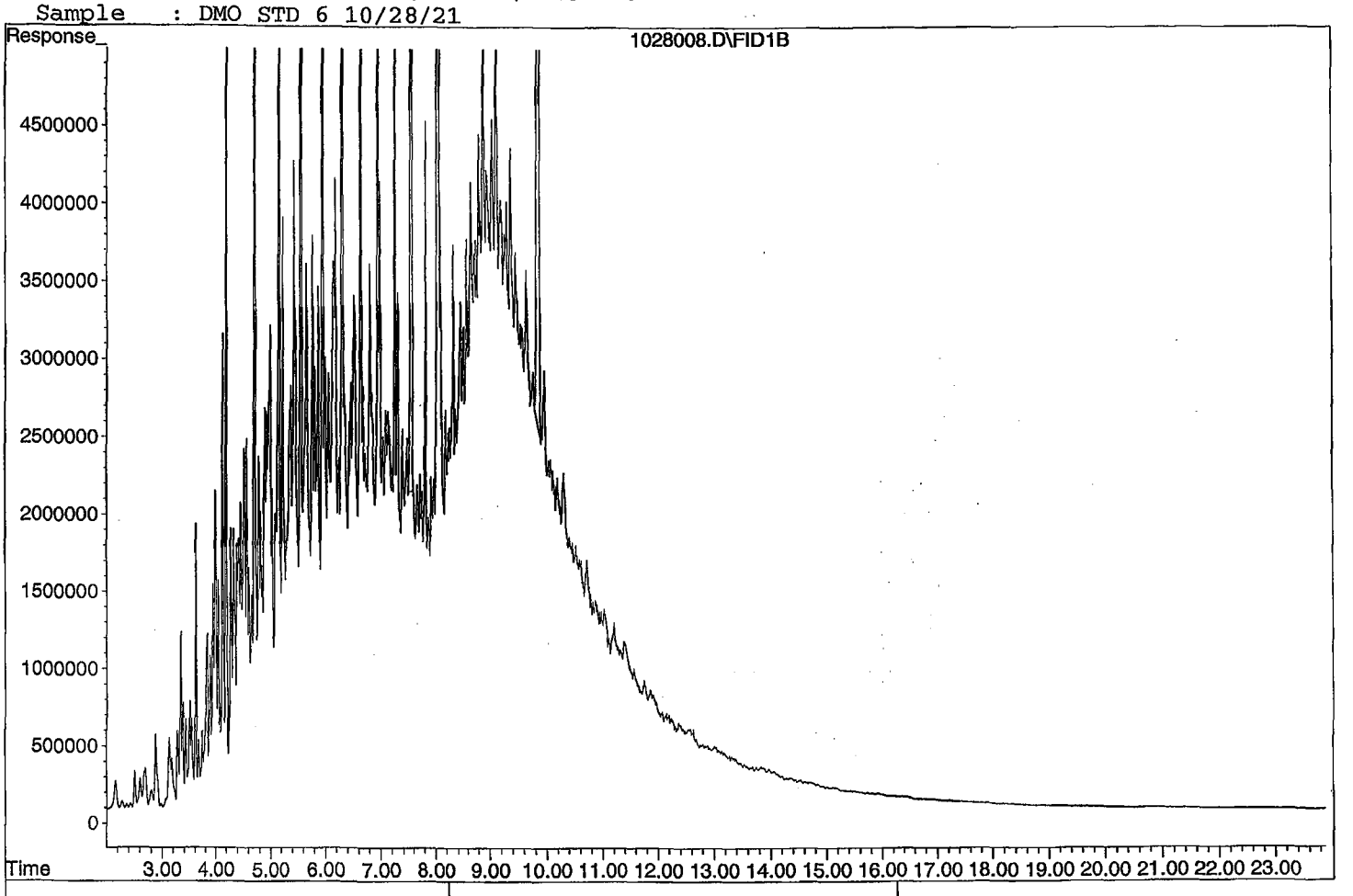
Method : G:\APOLLO\DATA\211028\DOC1028.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Oct 28 15:39:11 2021
Response via : Multiple Level Calibration

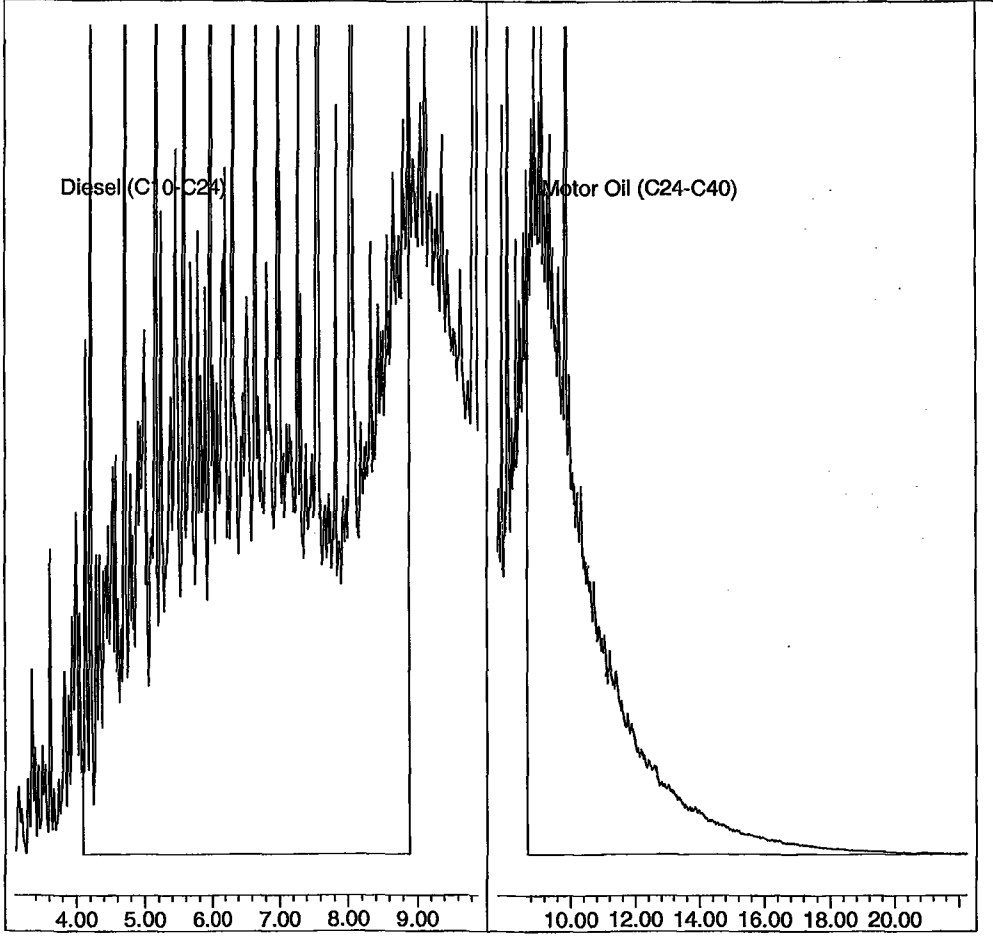
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

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

(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

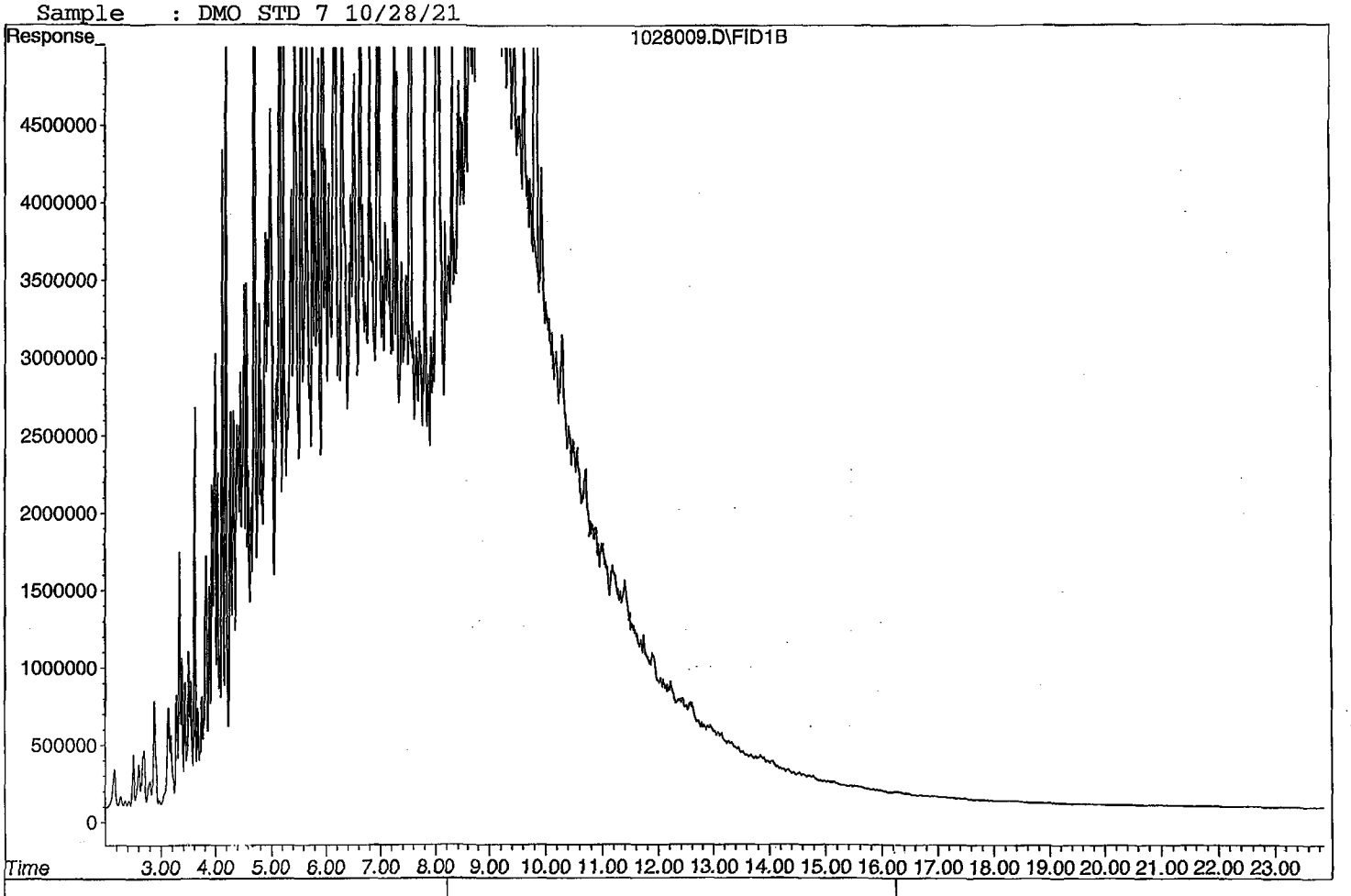
Method : G:\APOLLO\DATA\211028\DOC1028.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Oct 28 15:39:11 2021
Response via : Multiple Level Calibration

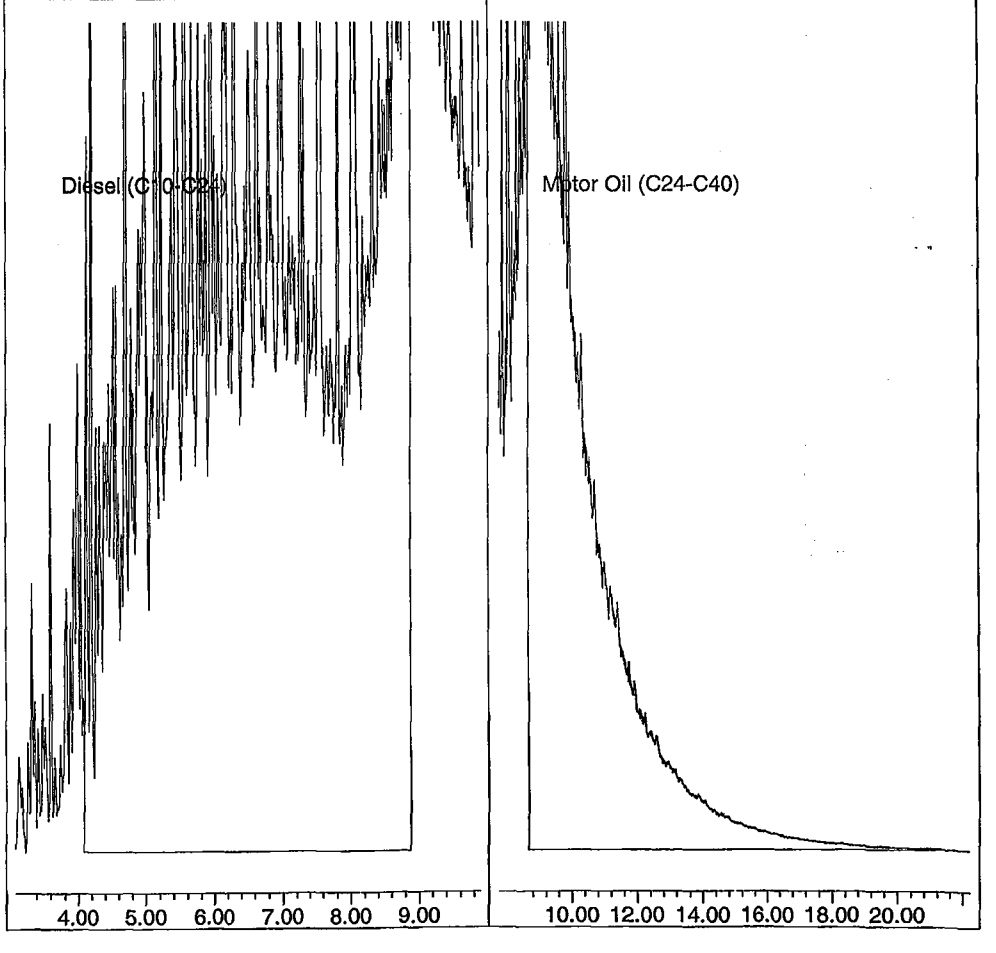
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

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				

(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							
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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

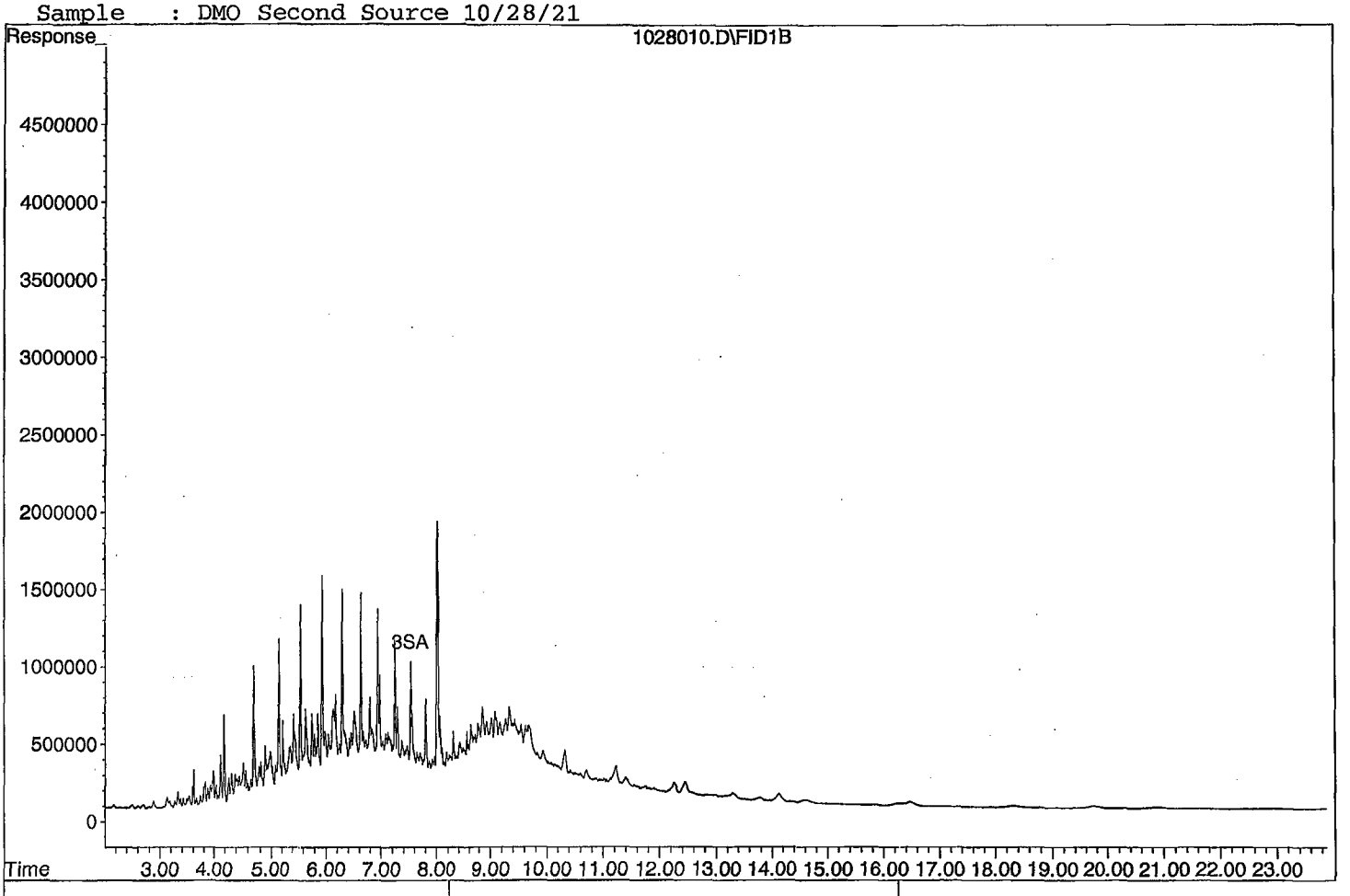
Method : G:\APOLLO\DATA\211028\DOC1028.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Oct 28 15:39:11 2021
Response via : Multiple Level Calibration

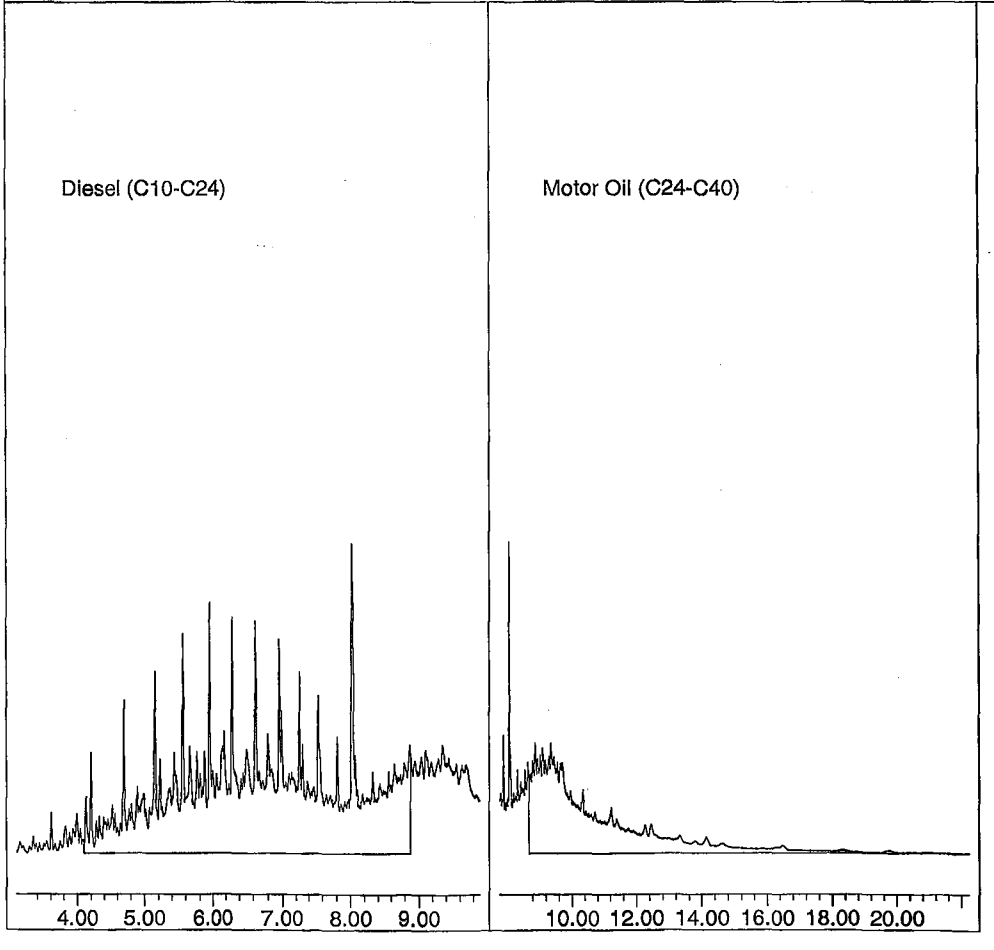
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

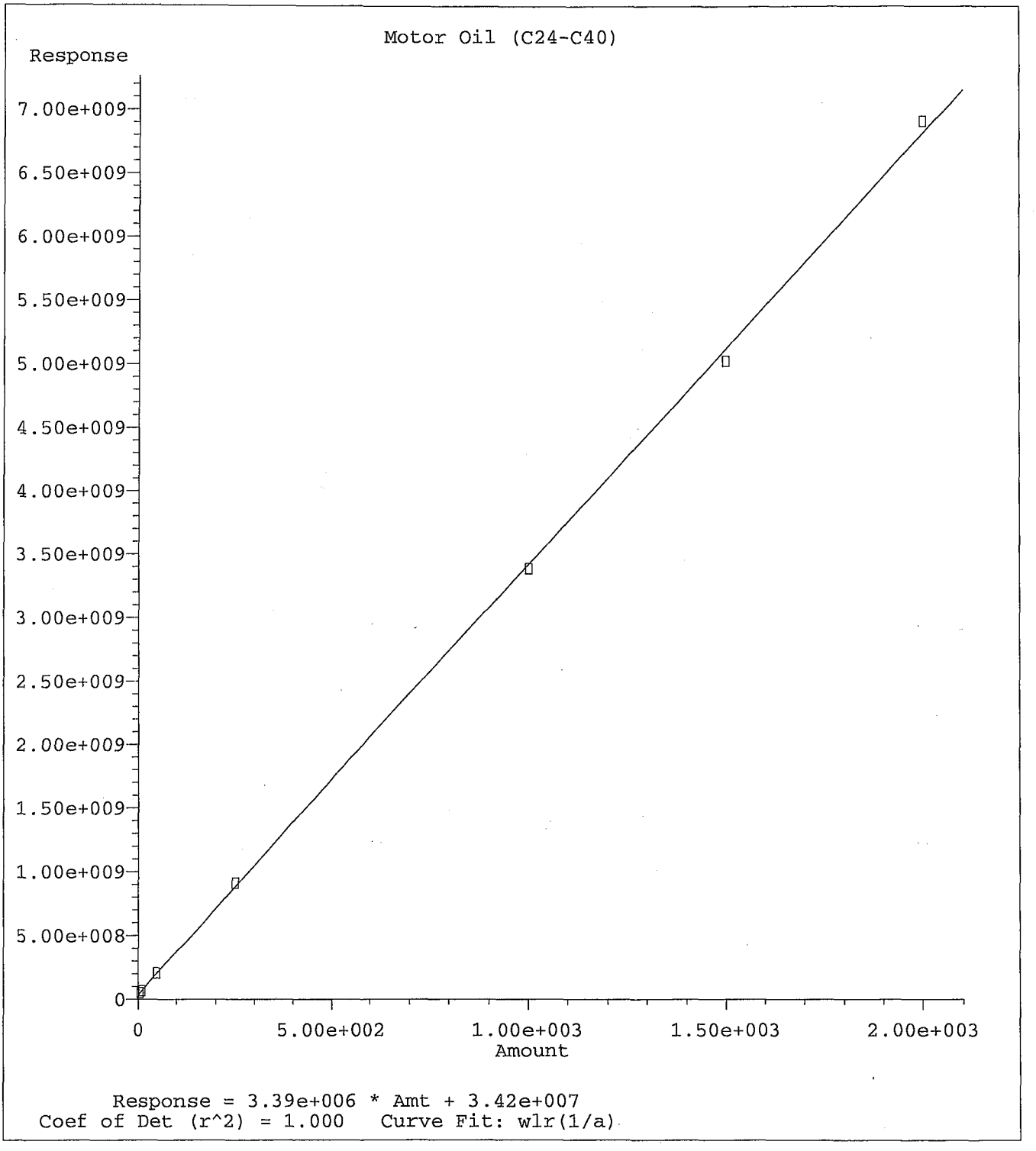
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.53	4250105	0.679 ppb
Surrogate Spike 30.000	Recovery =		2.26%
4) SA Octacosane(S)	9.83	-3553	N.D. ppb
Surrogate Spike 30.000	Recovery =		0.00%
Target Compounds			
1) HATM Diesel (C10-C24)	6.49	1133202337	225.139 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
DEC0911

Form 6
Initial Calibration

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

		Compound	1	2	3	4	5	6					Avg	%RSD	Type	r^2	Q
			911002.D	911003.D	911004.D	911005.D	911006.D	911007.D									
1	SC	Decanoic Acid(S)	883995	1084261	1313446	1384667	1522107	1509937					1283069	20	SC		*
2																	
3																	
4																	
5																	
6																	
7																	
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0.562142

Quantitation Report (Not Reviewed)

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

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

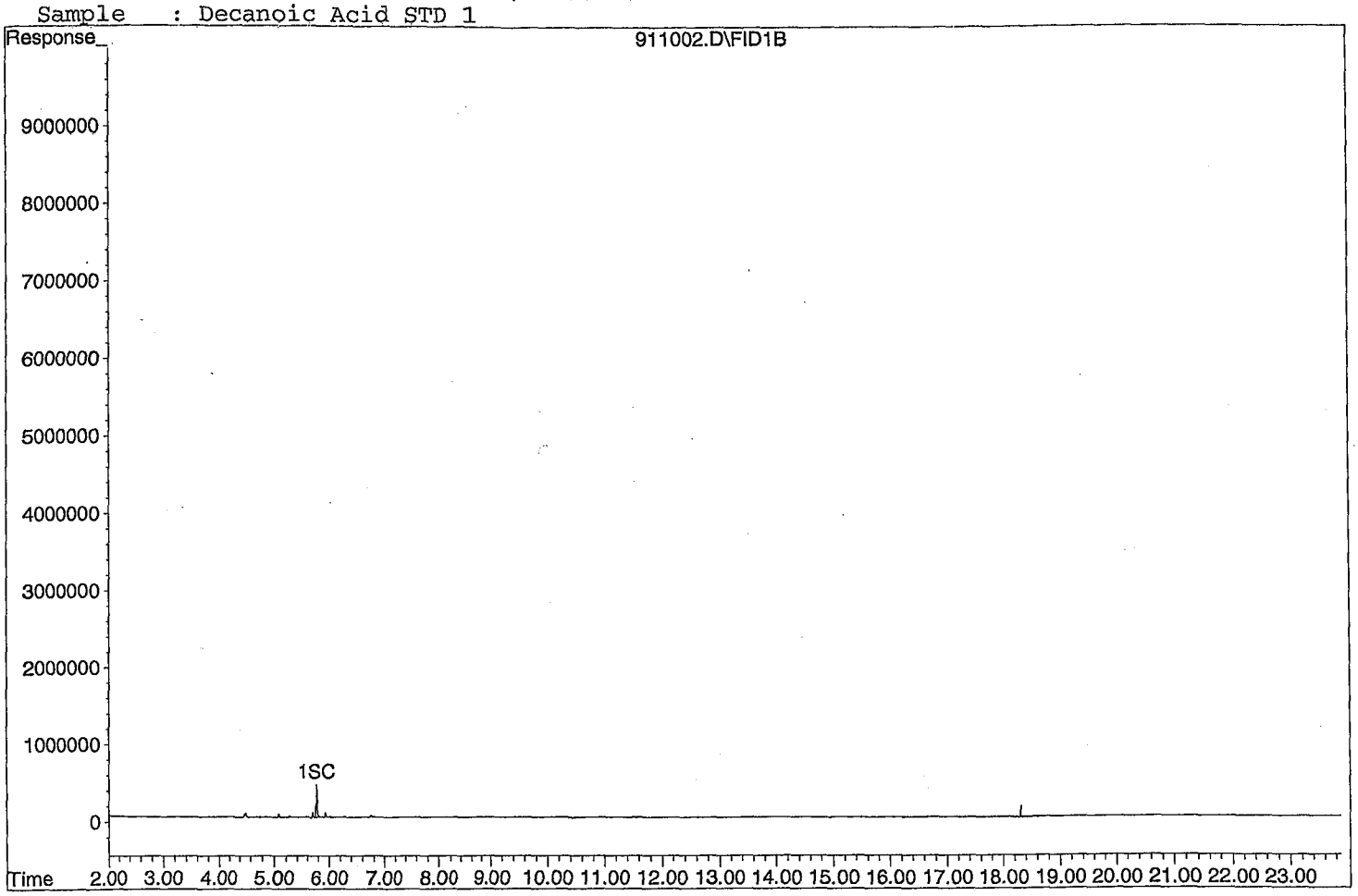
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

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

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

Quantitation Report

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



Quantitation Report (Not Reviewed)

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

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

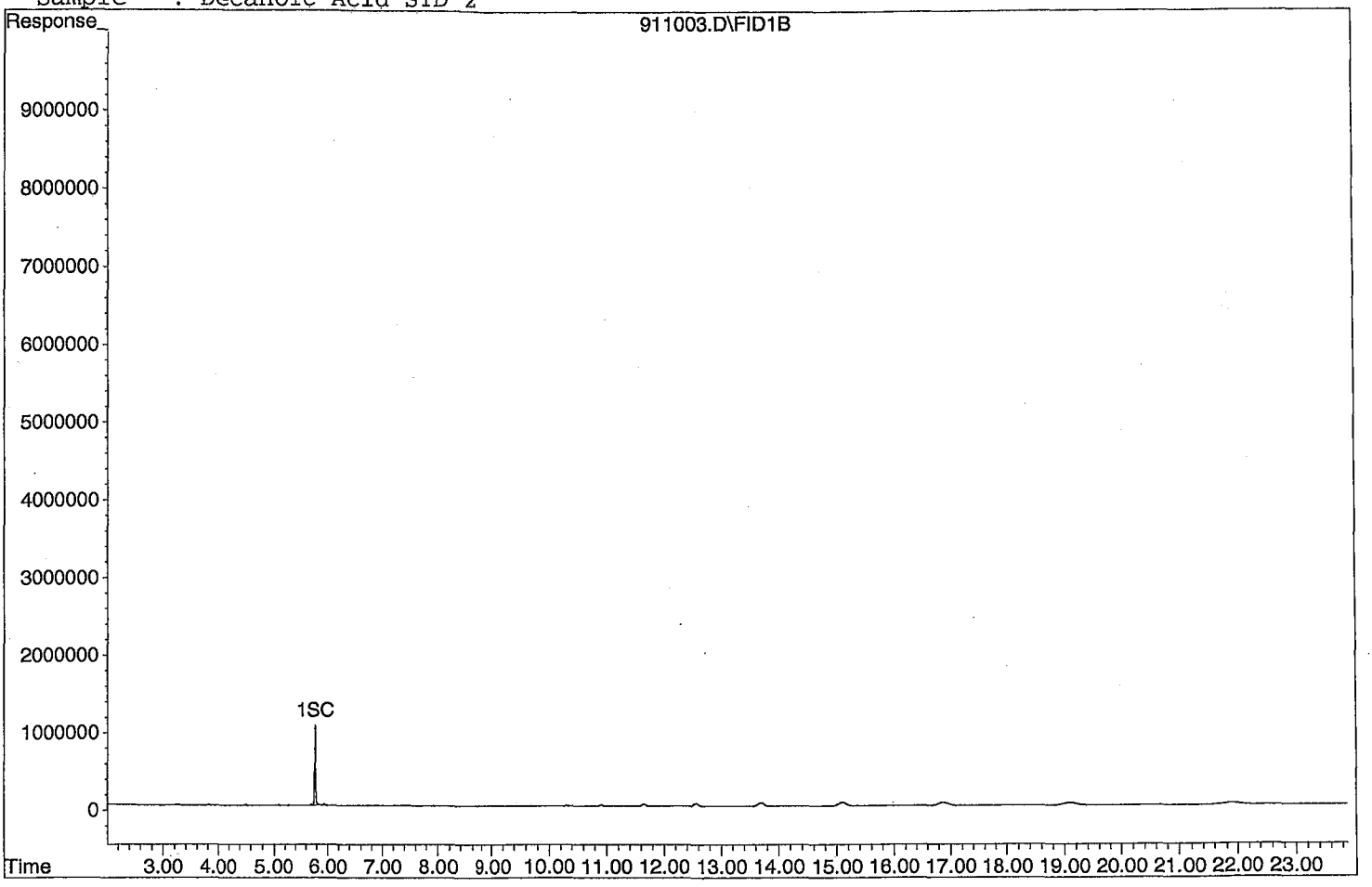
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

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

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

Quantitation Report

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



Quantitation Report (Not Reviewed)

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

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

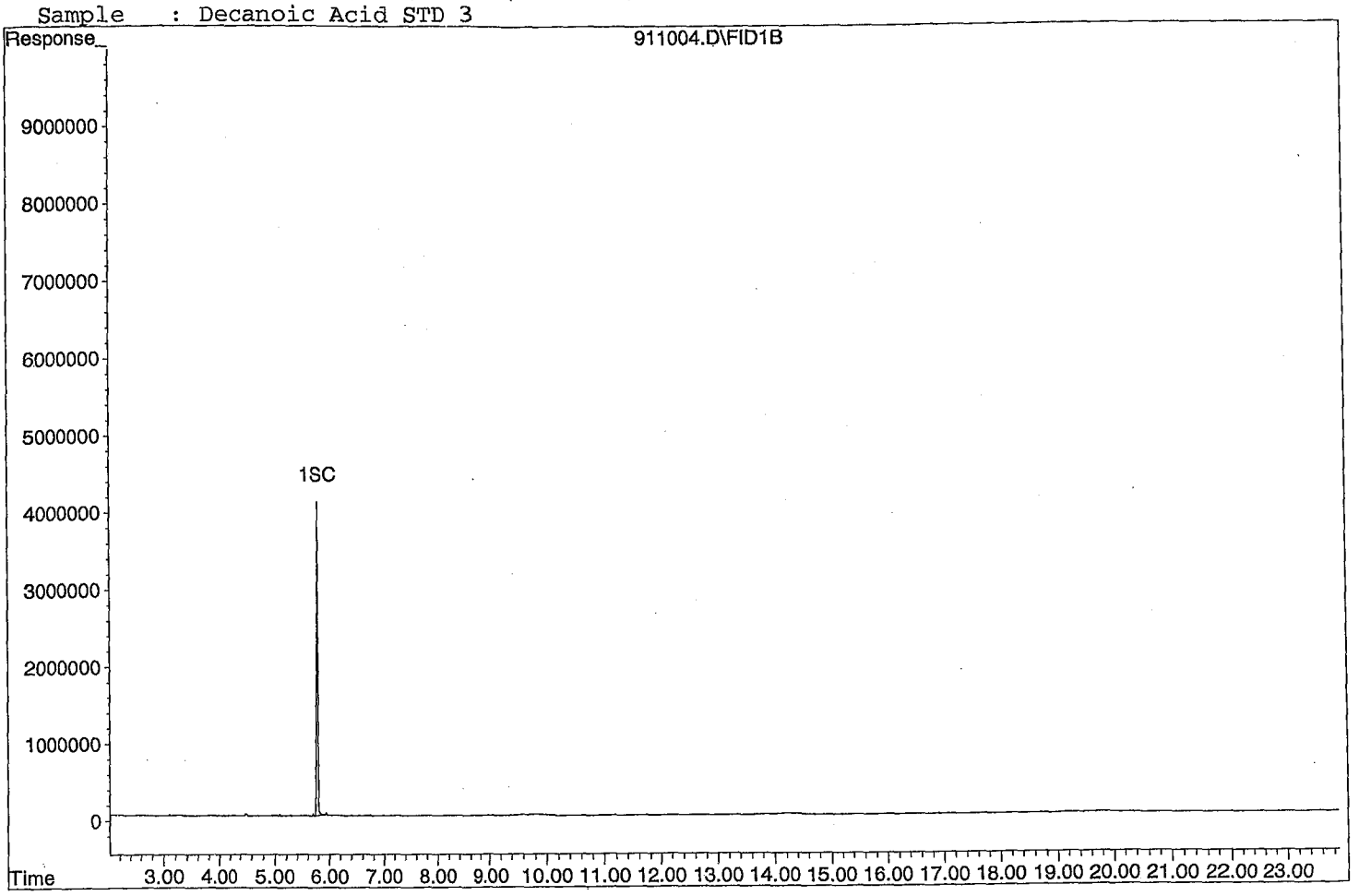
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

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

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

Quantitation Report

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



Quantitation Report (Not Reviewed)

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

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

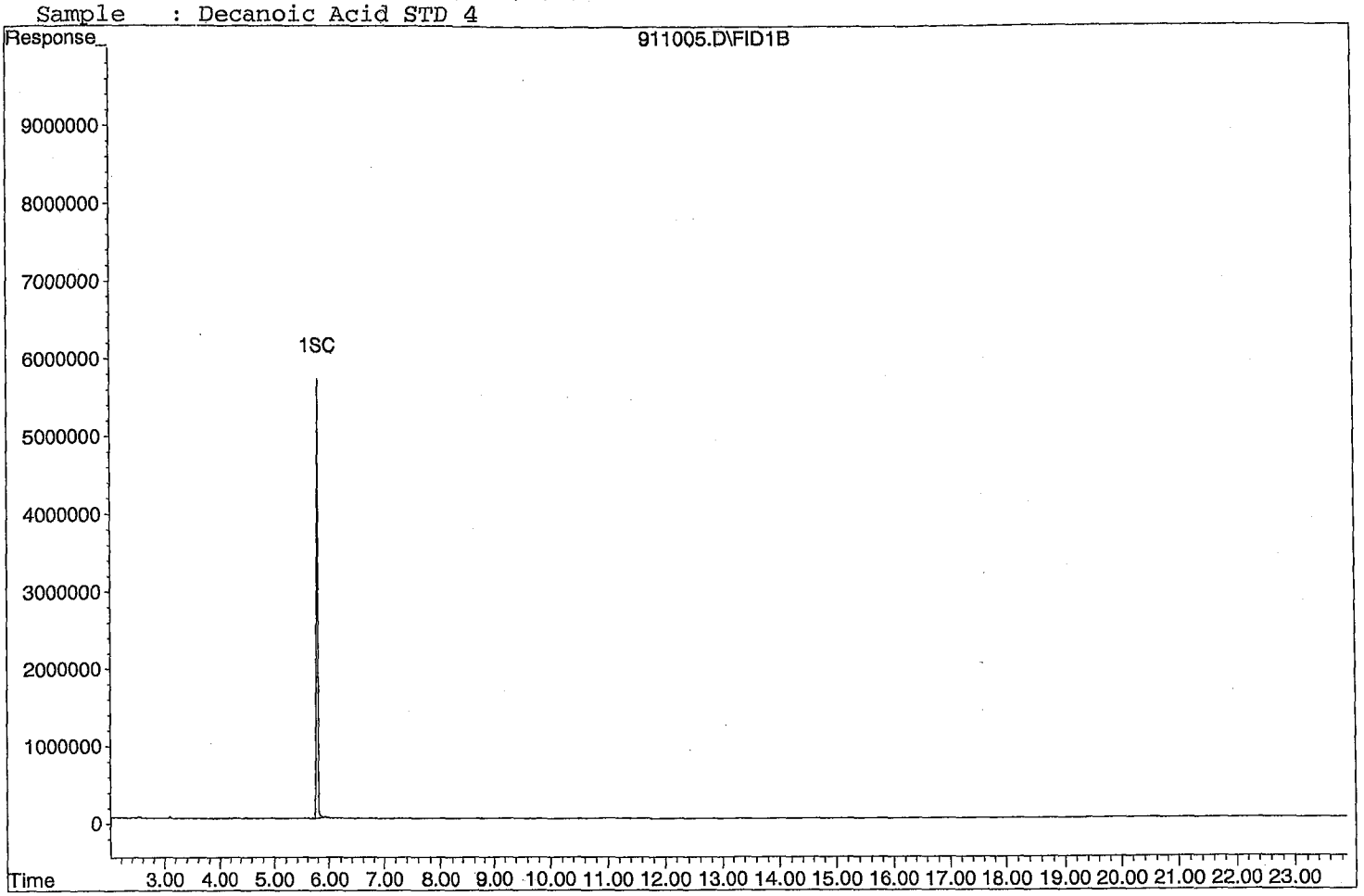
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

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

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

Quantitation Report

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



Quantitation Report (Not Reviewed)

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

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

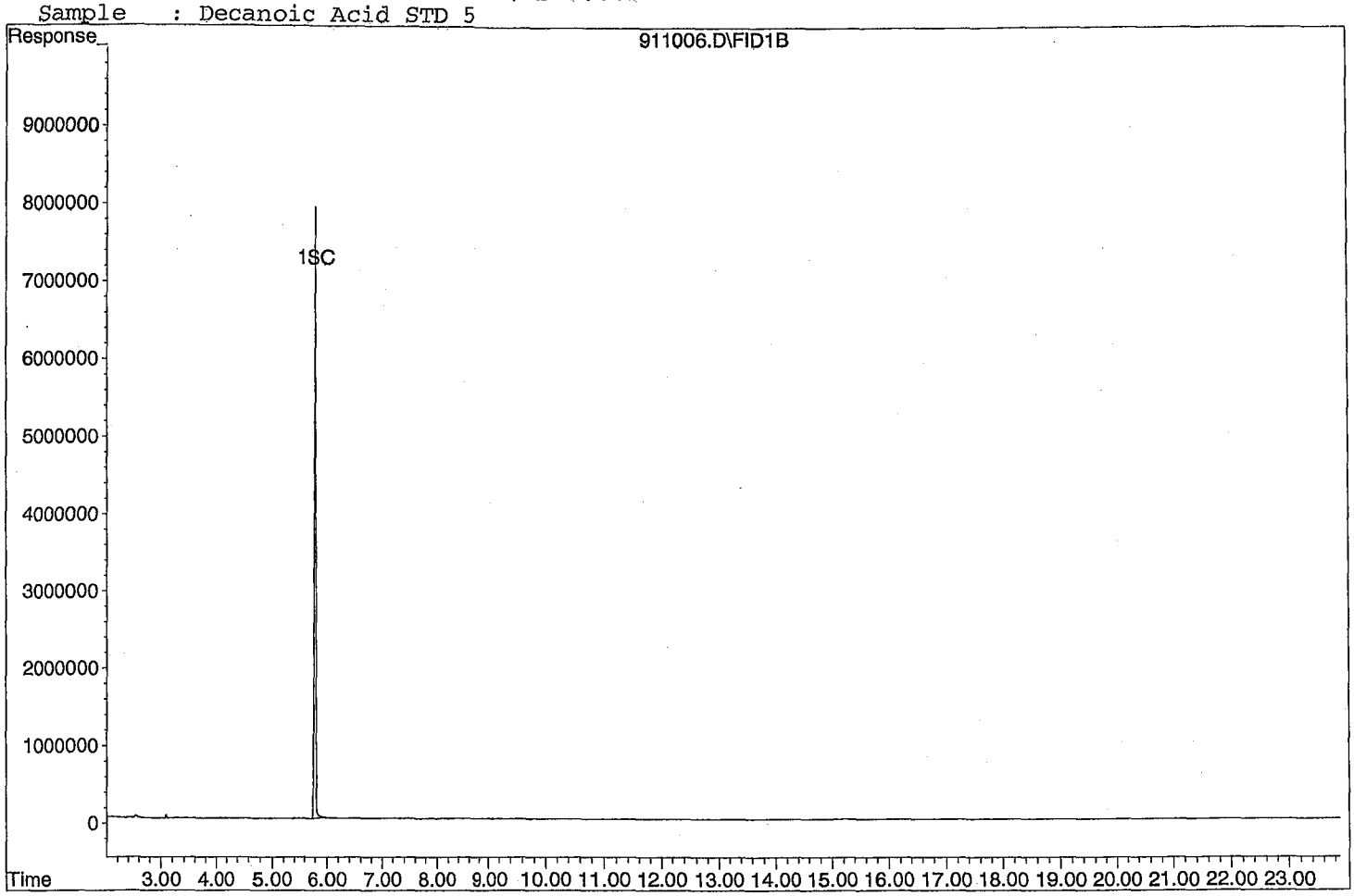
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

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

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

Quantitation Report

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



Quantitation Report (Not Reviewed)

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

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

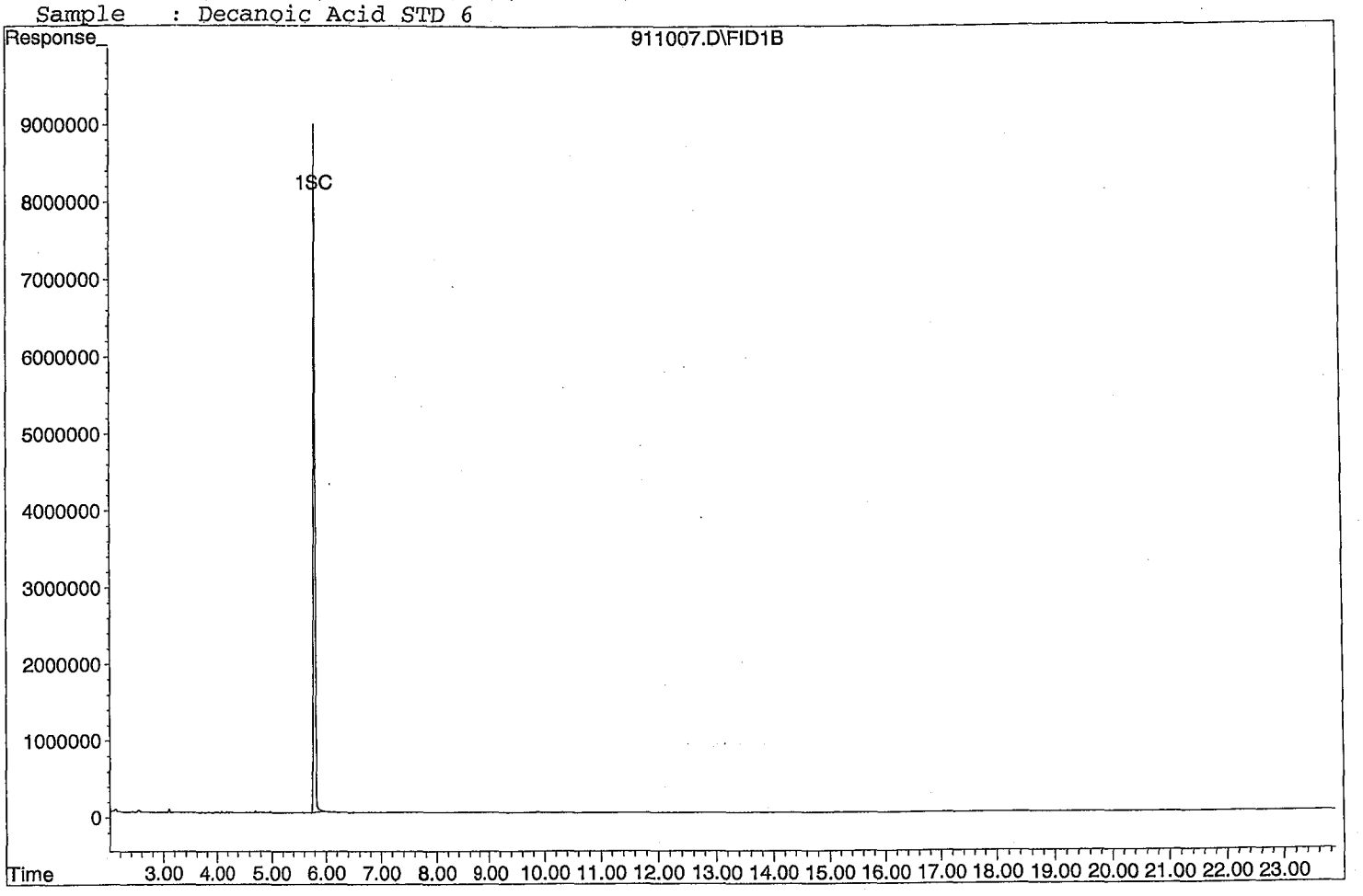
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

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

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

Quantitation Report

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



TPH Extractables
DOC1028

Form 7

Continuing Calibration

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

SDG No:
Date Analyzed: 12/4/2021
Instrument: Apollo
Initial Cal. Date: 10/28/2021
Data File: 1202082.D

		Compound	MEAN	CCRF	%D	%Drift		
1	HATM	Diesel (C10-C24)	2516670	2650660	5.3	HATM		
2	HBTM	Motor Oil (C24-C40)	2492040	1889600	24	HBTML	10	
3	SA	Ortho-Terphenyl(S)	3127510	2369560	24	SA		*
4	SA	Octacosane(S)	2261430	2423210	7.2	SA		
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		Average			15.1			

Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\211202\1202082.D Vial: 82
Acq On : 12-4-21 4:18:20 Operator: KA
Sample : DMO STD DF2 10/06/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Dec 6 7:57 2021 Quant Results File: DOC1028.RES

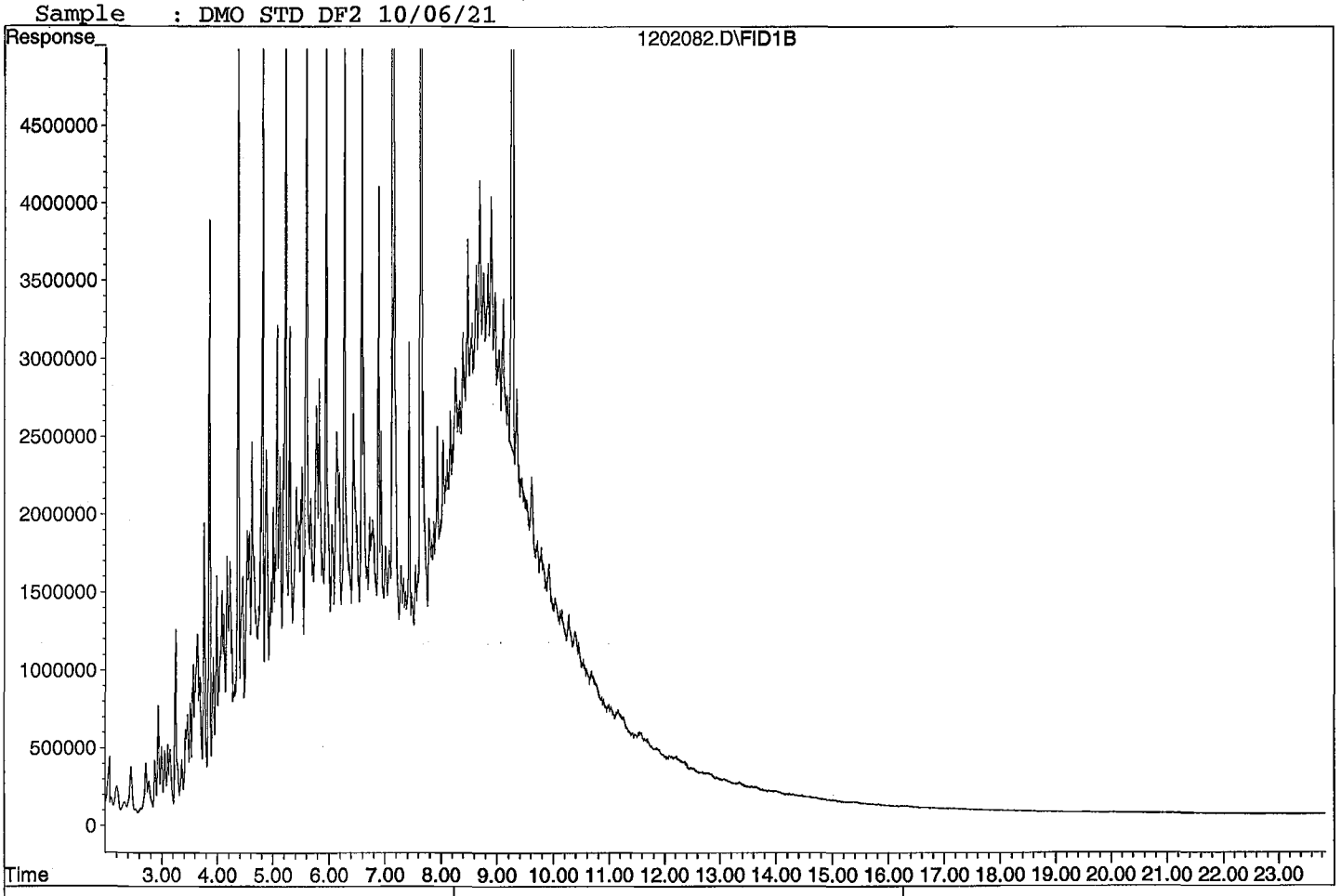
Method : G:\APOLLO\DATA\211202\DOC1028.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Fri Dec 03 08:22:29 2021
Response via : Multiple Level Calibration

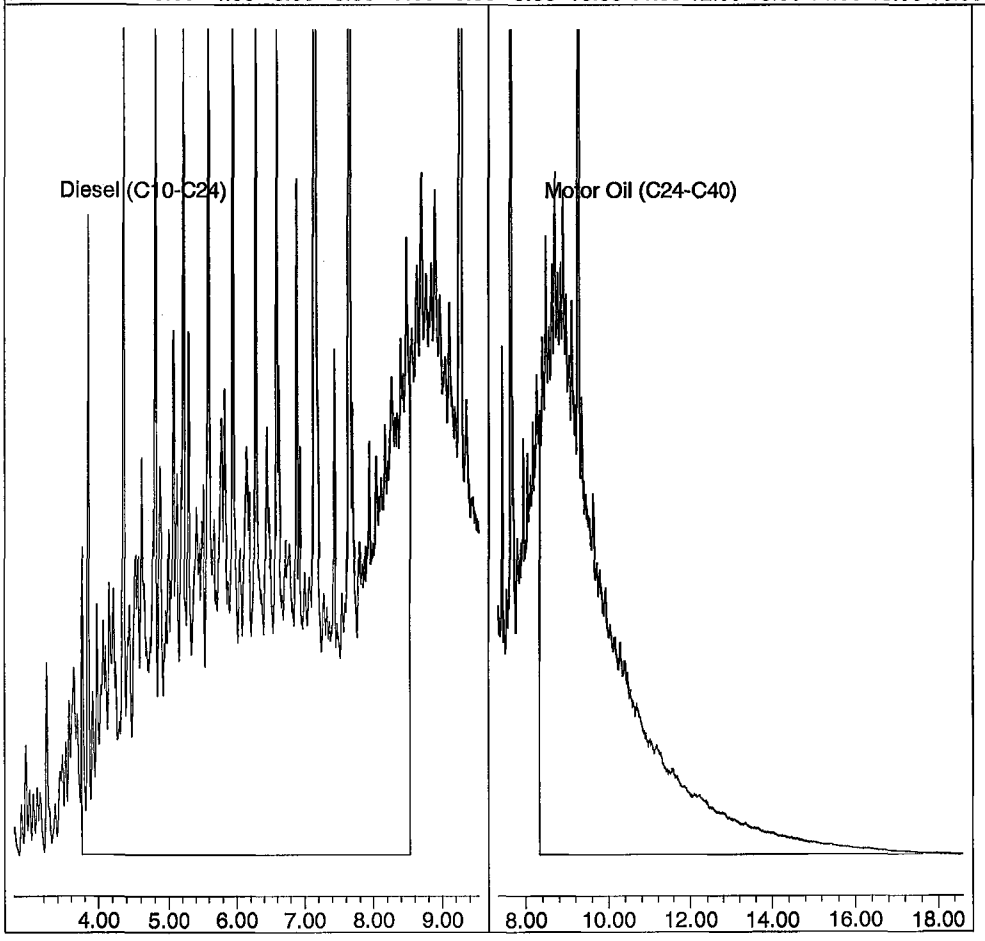
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
3) SA Ortho-Terphenyl(S)	7.14	236955522	37.883	ppb
Surrogate Spike 30.000		Recovery =	126.28%	
4) SA Octacosane(S)	9.27	242321243	53.577	ppb
Surrogate Spike 30.000		Recovery =	178.59%	
Target Compounds				
1) HATM Diesel (C10-C24)	6.15	5301313117	1053.240	ppb
2) HBTM Motor Oil (C24-C40)	12.97	3779207381	1104.127	ppb

Target Compounds

Data File: G:\APOLLO\DATA\211202\1202082.D
Sample : DMO STD DF2 10/06/21





TPH Extractables
DEC0911

Form 7

Continuing Calibration

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

SDG No:
Date Analyzed: 12/4/2021
Instrument: Apollo
Initial Cal. Date: 9/11/2021
Data File: 1202083.D

		Compound	MEAN	CCRF	%D	%Drift	
1	SC	Decanoic Acid(S)	1283070	1358940	5.9	SC	
2							
3							
4							
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39							
40							
		Average			5.9		

Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\211202\1202083.D Vial: 83
Acq On : 12-4-21 4:46:28 Operator: KA
Sample : Decanoic Acid CCV 11/05/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Dec 6 7:58 2021 Quant Results File: DEC0911.RES

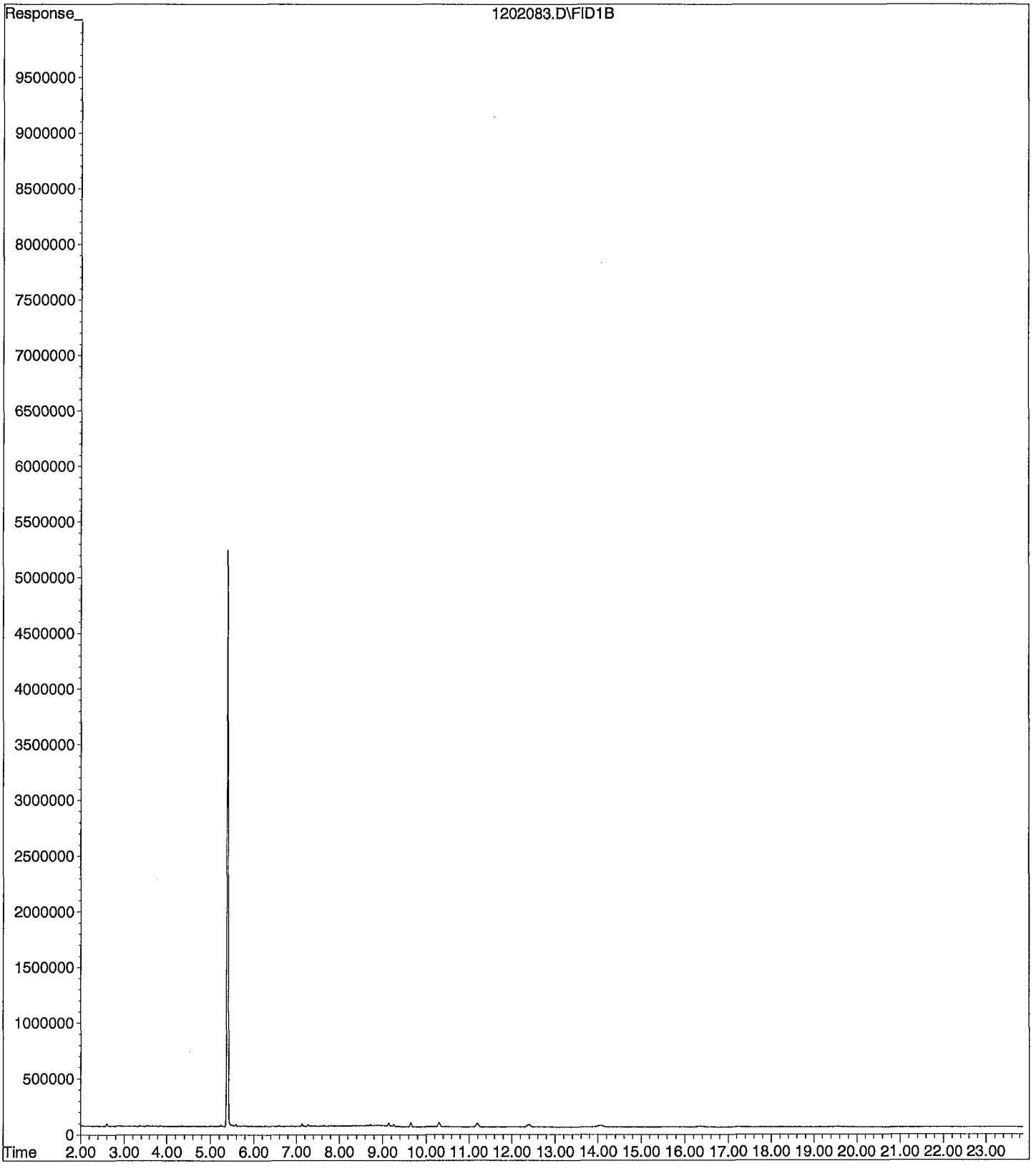
Method : G:\APOLLO\DATA\211202\DEC0911.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Wed Dec 22 10:59:27 2021
Response via : Multiple Level Calibration

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

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) SC Decanoic Acid(S)	5.40	97843608	38.129 ppb
Surrogate Spike 24.000	Recovery =	158.87%	
Target Compounds			
Target Compounds			

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

File : G:\APOLLO\DATA\211202\1202083.D
Operator : KA
Acquired : 12-4-21 4:46:28 using AcqMethod TPHSN.M
Instrument : Apollo
Sample Name: Decanoic Acid CCV 11/05/21
Misc Info : water
Vial Number: 83



TPH Extractables
DOC1028

Form 7
Continuing Calibration

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

SDG No:
Date Analyzed: 12/4/2021
Instrument: Apollo
Initial Cal. Date: 10/28/2021
Data File: 1202097.D

		Compound	MEAN	CCRF	%D	%Drift	
1	HATM	Diesel (C10-C24)	2516670	2648400	5.2	HATM	
2	HBTM	Motor Oil (C24-C40)	2492040	1889330	24	HBTML	10
3	SA	Ortho-Terphenyl(S)	3127510	2674320	14	SA	
4	SA	Octacosane(S)	2261430	2384620	5.4	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			12.2		

Quantitation Report (Not Reviewed)

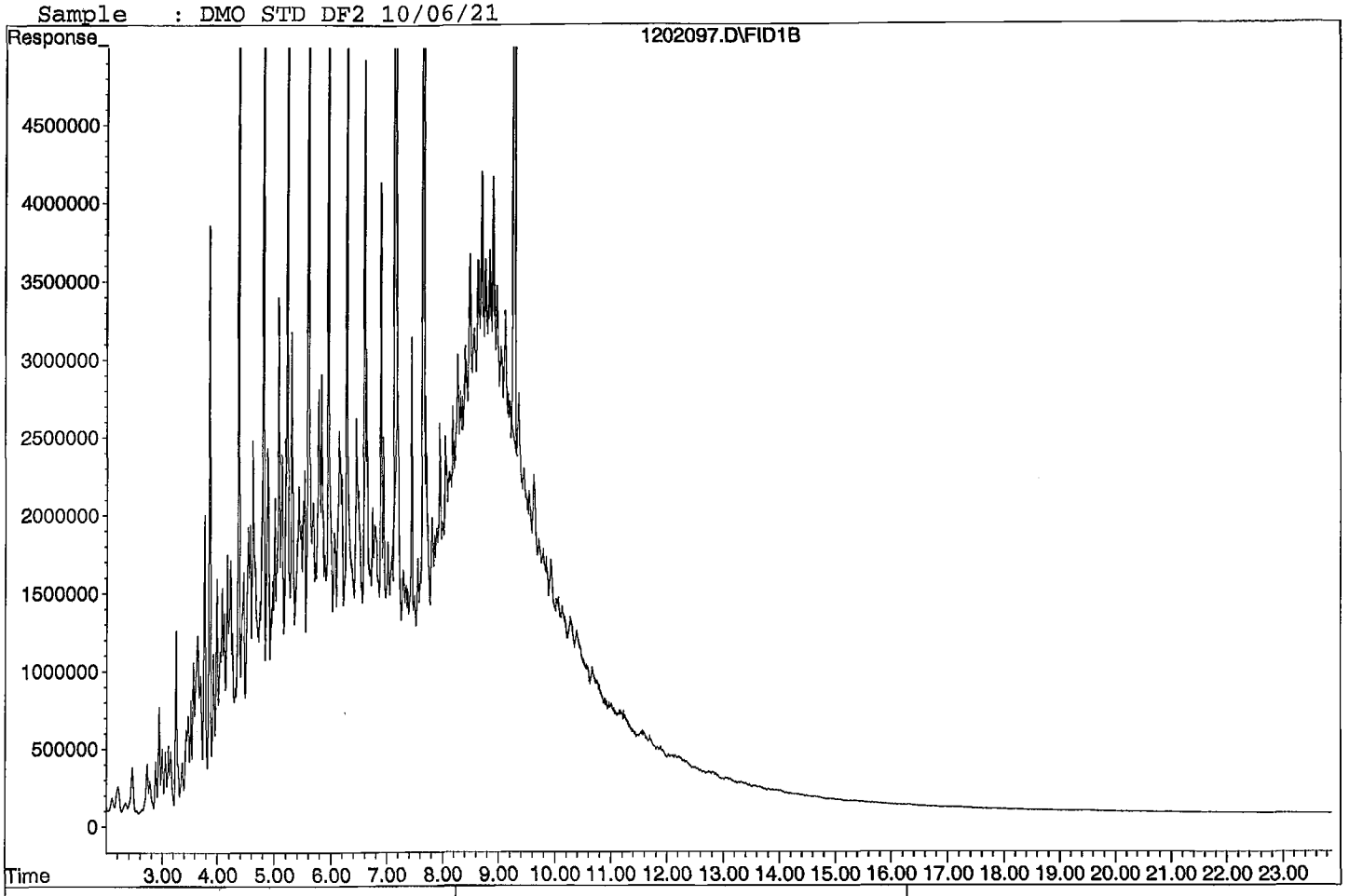
Data File : G:\APOLLO\DATA\211202\1202097.D Vial: 97
Acq On : 12-4-21 11:20:18 Operator: KA
Sample : DMO STD DF2 10/06/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Dec 4 13:58 2021 Quant Results File: DOC1028.RES

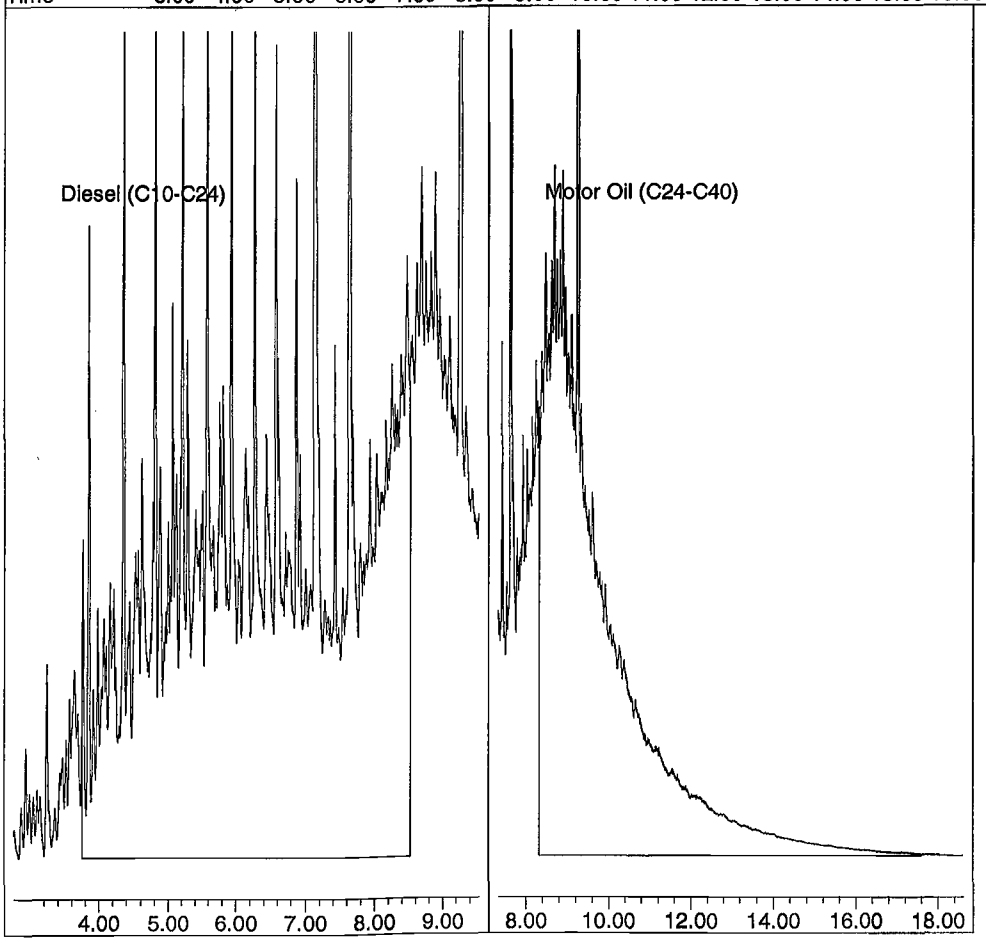
Method : G:\APOLLO\DATA\211202\DOC1028.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Fri Dec 03 08:22:29 2021
Response via : Multiple Level Calibration

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

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.14	267431538	42.755 ppb
Surrogate Spike 30.000		Recovery =	142.52%
4) SA Octacosane(S)	9.27	238462222	52.724 ppb
Surrogate Spike 30.000		Recovery =	175.75%
Target Compounds			
1) HATM Diesel (C10-C24)	6.15	5296797192	1052.343 ppb
2) HBTM Motor Oil (C24-C40)	12.97	3778660623	1103.966 ppb
Target Compounds			

Data File: G:\APOLLO\DATA\211202\1202097.D
Sample : DMO STD DF2 10/06/21





TPH Extractables
DEC0911

Form 7

Continuing Calibration

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

SDG No:
Date Analyzed: 12/4/2021
Instrument: Apollo
Initial Cal. Date: 9/11/2021
Data File: 1202098.D

		Compound	MEAN	CCRF	%D	%Drift	
1	SC	Decanoic Acid(S)	1283070	1317660	2.7	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			2.7		

Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\211202\1202098.D Vial: 98
Acq On : 12-4-21 11:48:27 Operator: KA
Sample : Decanoic Acid CCV 11/05/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Dec 7 12:53 2021 Quant Results File: DEC0911.RES

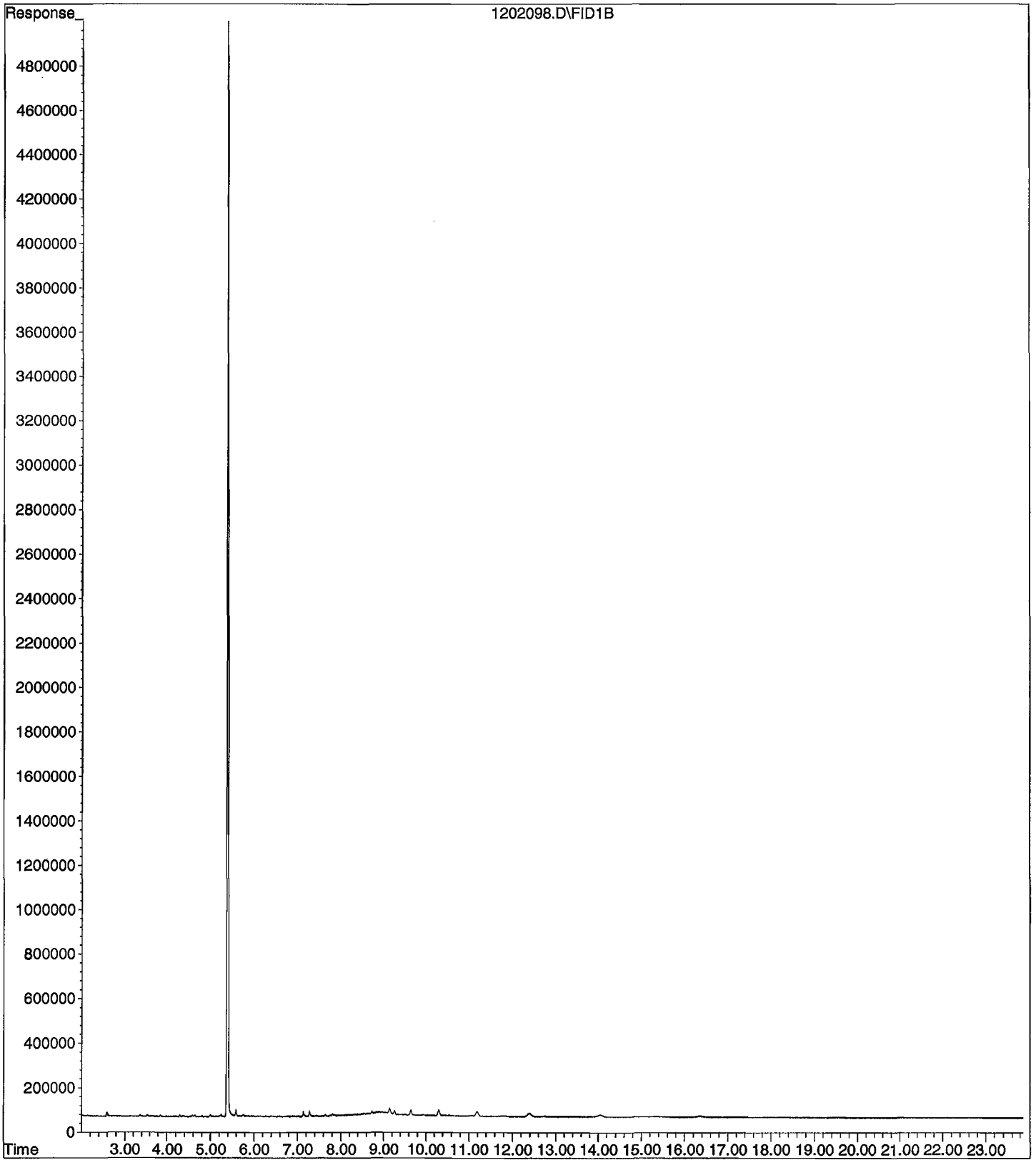
Method : G:\APOLLO\DATA\211202\DEC0911.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Wed Dec 22 10:59:27 2021
Response via : Multiple Level Calibration

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

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) SC Decanoic Acid(S)	5.40	94871319	36.970 ppb
Surrogate Spike 24.000	Recovery =		154.04%
Target Compounds			
Target Compounds			

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

File : G:\APOLLO\DATA\211202\1202098.D
Operator : KA
Acquired : 12-4-21 11:48:27 using AcqMethod TPHSN.M
Instrument : Apollo
Sample Name: Decanoic Acid CCV 11/05/21
Misc Info : water
Vial Number: 98



ORGANICS
Raw Data

Quantitation Report (QT Reviewed)

Data File : G:\APOLLO\DATA\211202\1202088.D Vial: 88
Acq On : 12-4-21 7:07:09 Operator: KA
Sample : BA46971W09 5/1040 SG Inst : Apollo
Misc : water Multiplr: 4.81
IntFile : events.e
Quant Time: Dec 11 20:10 2021 Quant Results File: DOC1028.RES

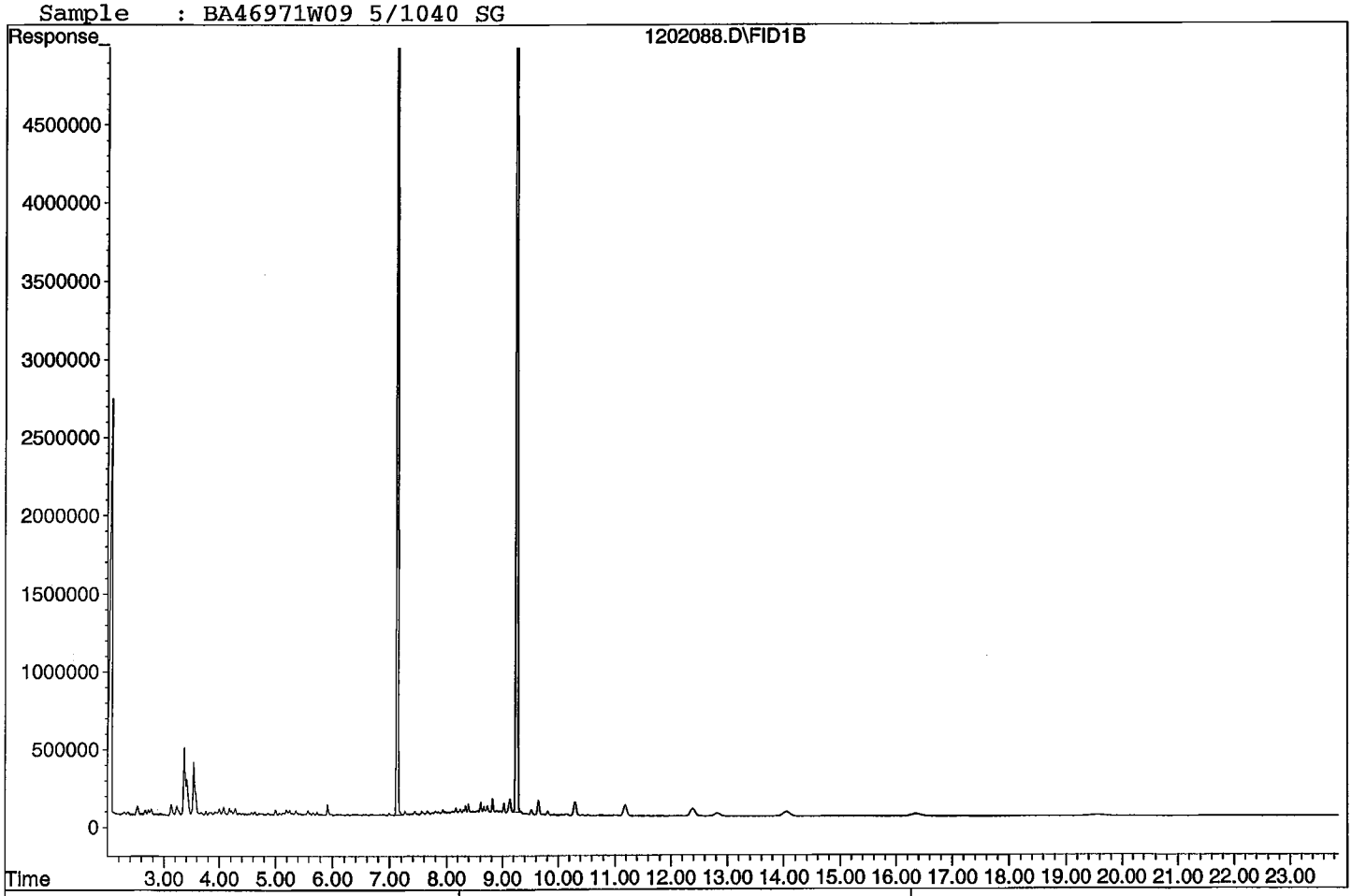
Method : G:\APOLLO\DATA\211202\DOC1028.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Fri Dec 03 08:22:29 2021
Response via : Multiple Level Calibration

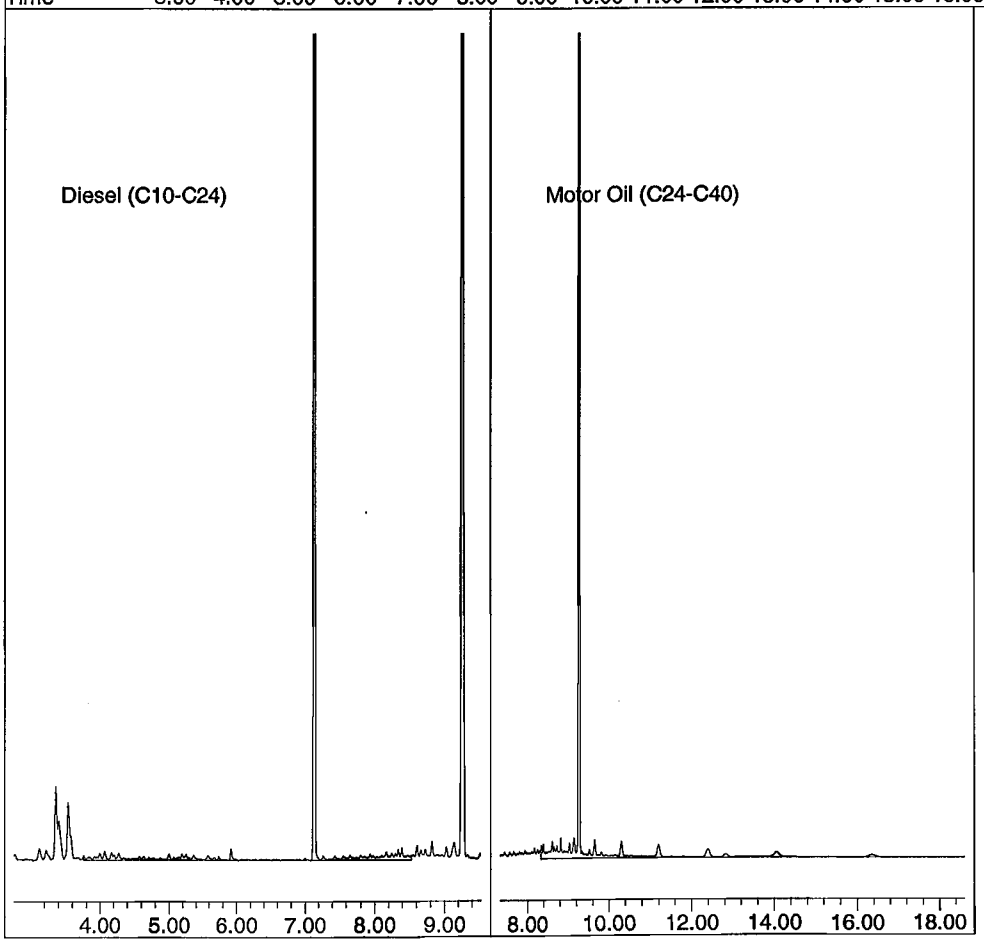
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.13	181119695	139.211 ppb
Surrogate Spike 144.231		Recovery =	96.52%
4) SA Octacosane(S)	9.26	168963560	179.604 ppb
Surrogate Spike 144.231		Recovery =	124.53%
Target Compounds			
1) HATM Diesel (C10-C24)	6.15	35495595	33.904 ppb
2) HBTM Motor Oil (C24-C40)	12.97	76297862	59.711 ppb

Target Compounds

Data File: G:\APOLLO\DATA\211202\1202088.D
Sample : BA46971W09 5/1040 SG





Quantitation Report (QT Reviewed)

Data File : G:\APOLLO\DATA\211202\1202089.D Vial: 89
Acq On : 12-4-21 7:35:20 Operator: KA
Sample : BA46973W09 5/1050 SG Inst : Apollo
Misc : water Multiplr: 4.76
IntFile : events.e
Quant Time: Dec 11 20:10 2021 Quant Results File: DOC1028.RES

Method : G:\APOLLO\DATA\211202\DOC1028.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Fri Dec 03 08:22:29 2021
Response via : Multiple Level Calibration

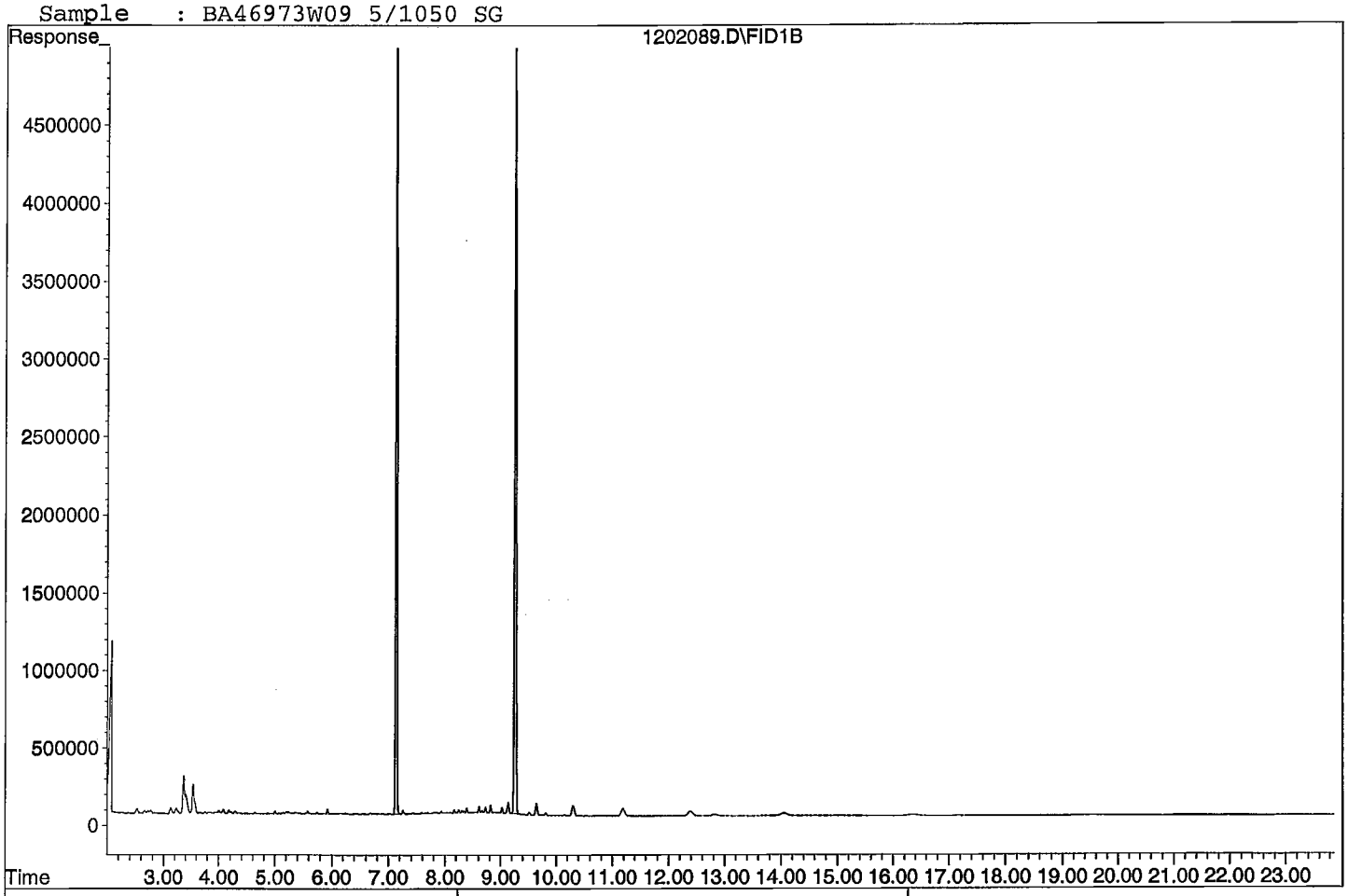
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

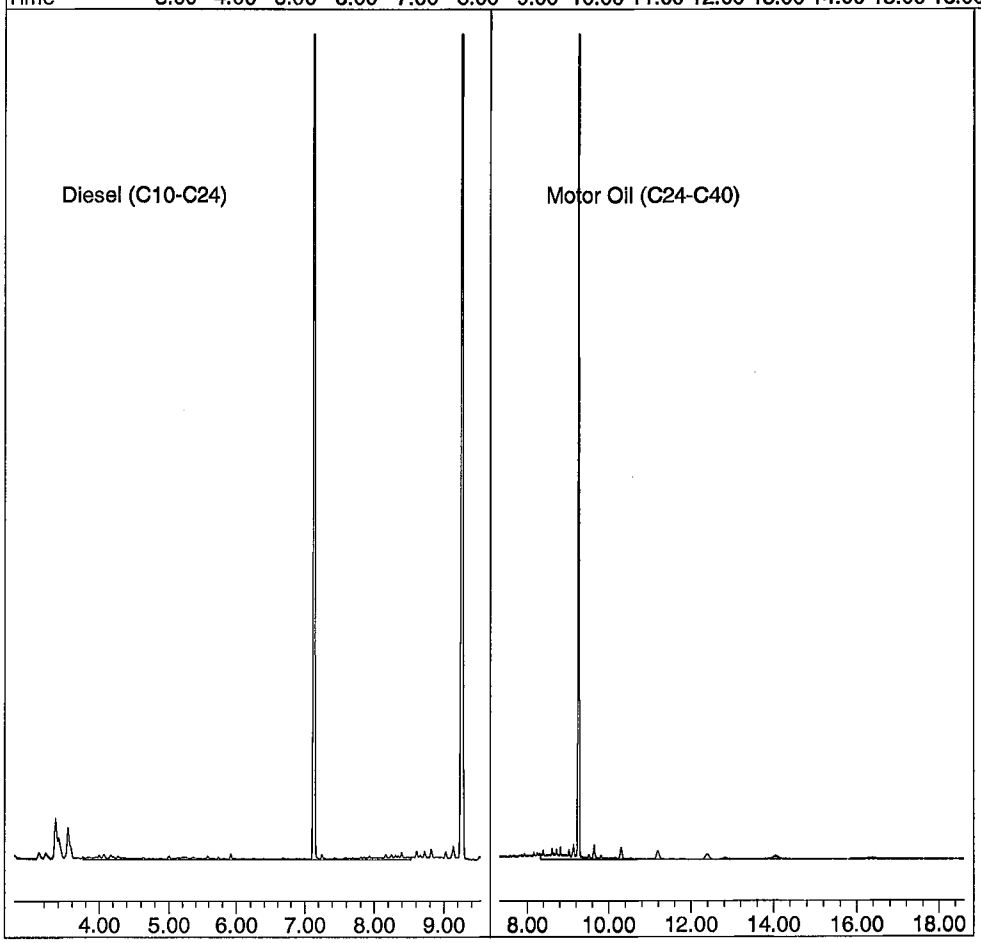
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.13	124904534	95.089 ppb
Surrogate Spike 142.857		Recovery =	66.56%
4) SA Octacosane(S)	9.26	115926211	122.053 ppb
Surrogate Spike 142.857		Recovery =	85.44%
Target Compounds			
1) HATM Diesel (C10-C24)	6.15	29968582	28.352 ppb
2) HBTM Motor Oil (C24-C40)	12.97	45715438	16.207 ppb

Target Compounds

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

Data File: G:\APOLLO\DATA\211202\1202089.D
Sample : BA46973W09 5/1050 SG





Quantitation Report (QT Reviewed)

Data File : G:\APOLLO\DATA\211202\1202090.D Vial: 90
Acq On : 12-4-21 8:03:28 Operator: KA
Sample : BA46974W07 5/1040 SG Inst : Apollo
Misc : water Multiplr: 4.81
IntFile : events.e
Quant Time: Dec 11 20:10 2021 Quant Results File: DOC1028.RES

Method : G:\APOLLO\DATA\211202\DOC1028.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Fri Dec 03 08:22:29 2021
Response via : Multiple Level Calibration

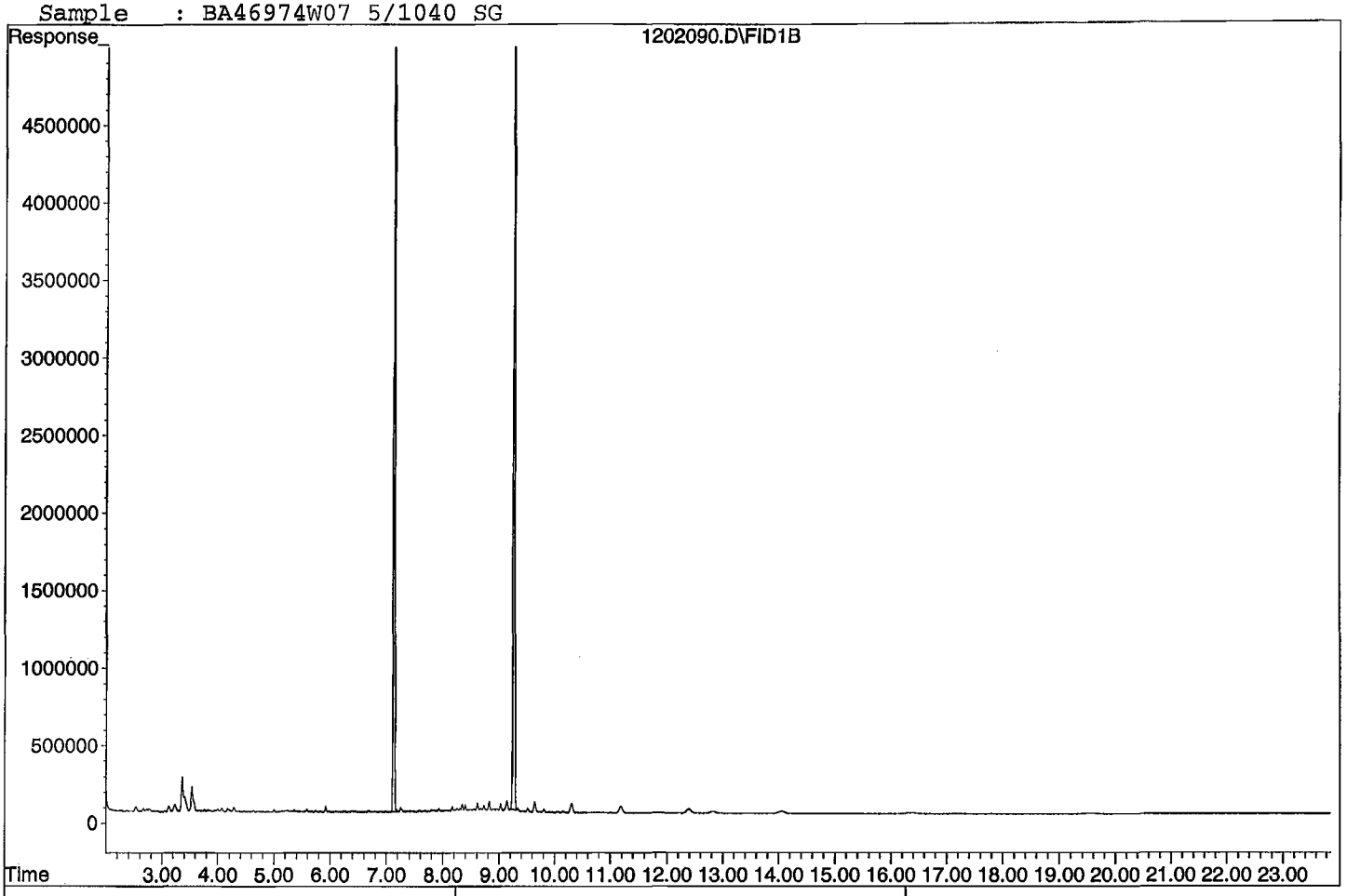
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

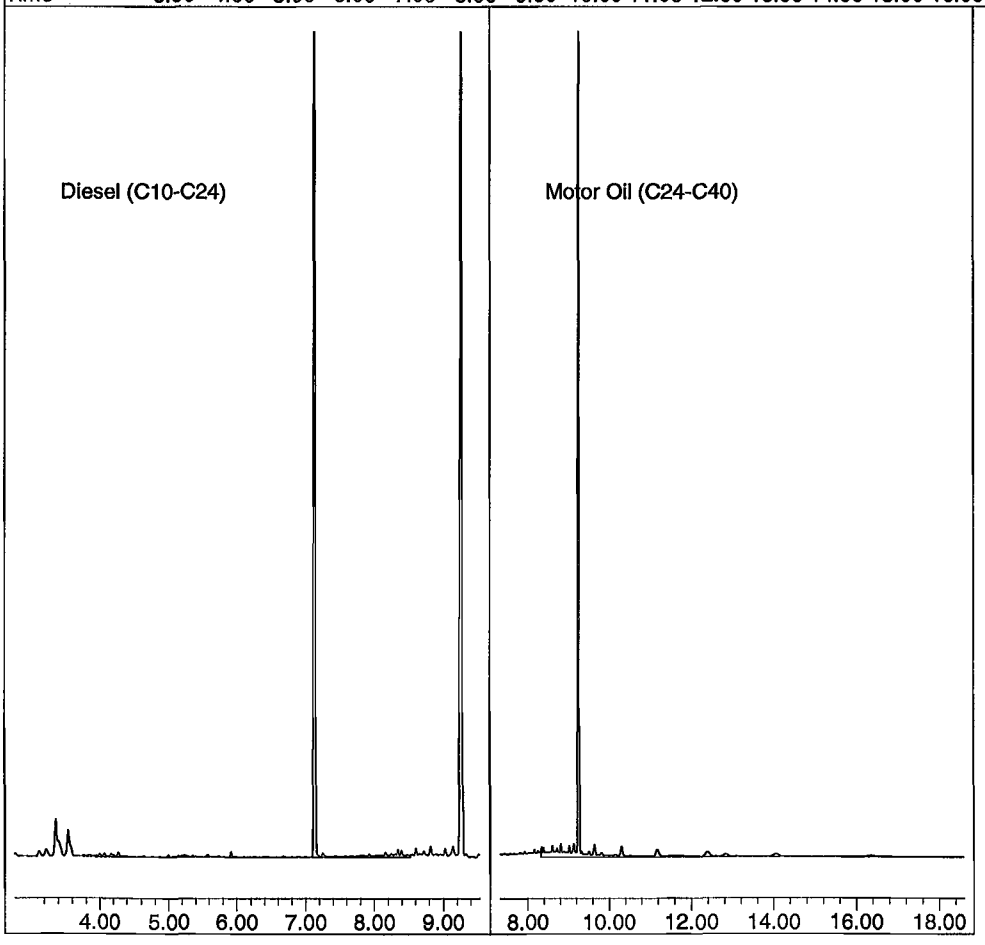
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.13	114450392	87.968 ppb
Surrogate Spike 144.231		Recovery =	60.99%
4) SA Octacosane(S)	9.26	106173539	112.860 ppb
Surrogate Spike 144.231		Recovery =	78.25%
Target Compounds			
1) HATM Diesel (C10-C24)	6.15	18499102	17.670 ppb
2) HBTM Motor Oil (C24-C40)	12.97	58544110	34.547 ppb

Target Compounds

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

Data File: G:\APOLLO\DATA\211202\1202090.D
Sample : BA46974W07 5/1040 SG





Quantitation Report (QT Reviewed)

Data File : G:\APOLLO\DATA\211202\1202085.D Vial: 85
Acq On : 12-4-21 5:42:45 Operator: KA
Sample : 211201A BLK 5/1000 SG Inst : Apollo
Misc : water Multiplr: 5.00
IntFile : events.e
Quant Time: Dec 11 19:55 2021 Quant Results File: DOC1028.RES

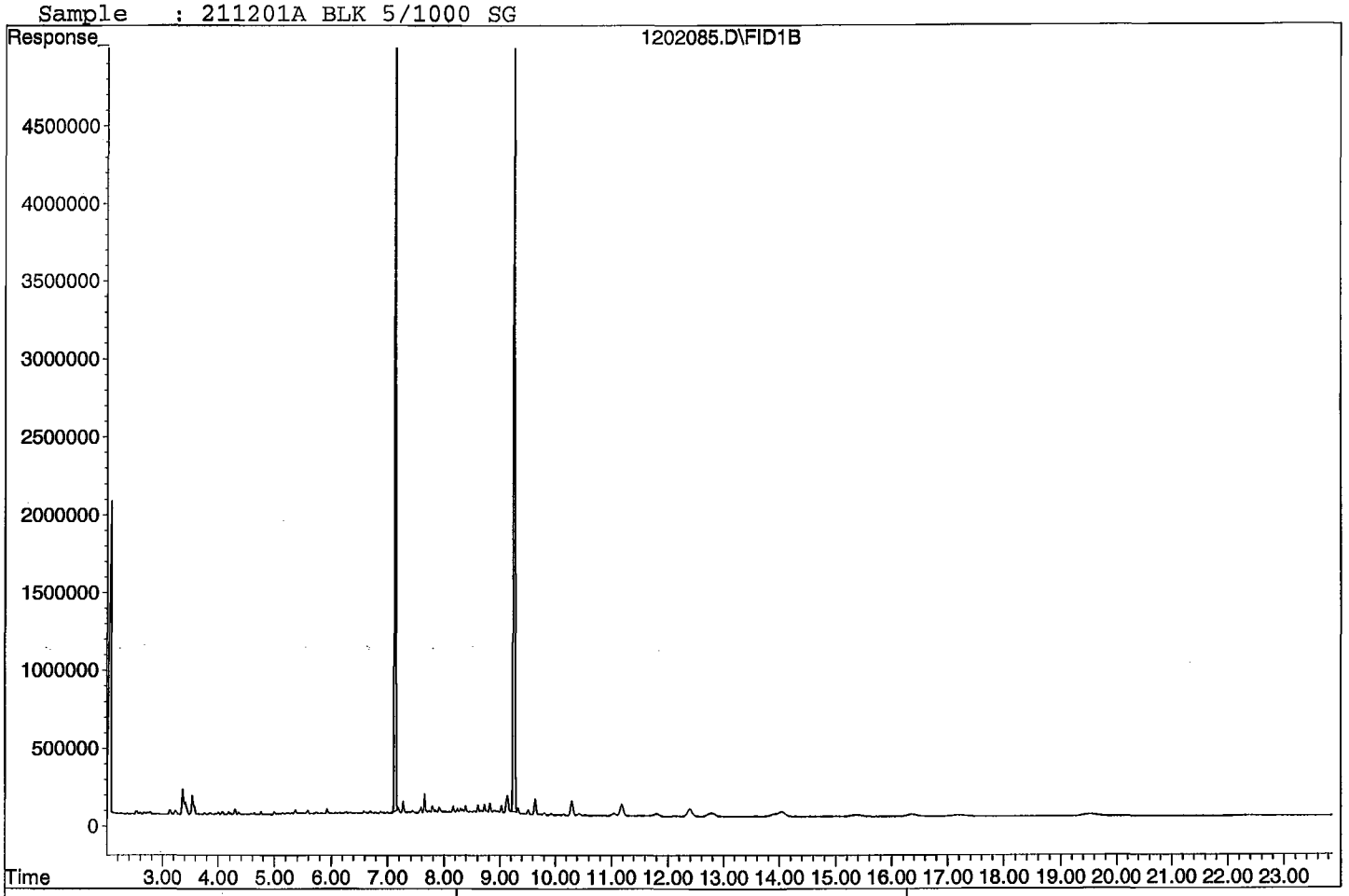
Method : G:\APOLLO\DATA\211202\DOC1028.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Fri Dec 03 08:22:29 2021
Response via : Multiple Level Calibration

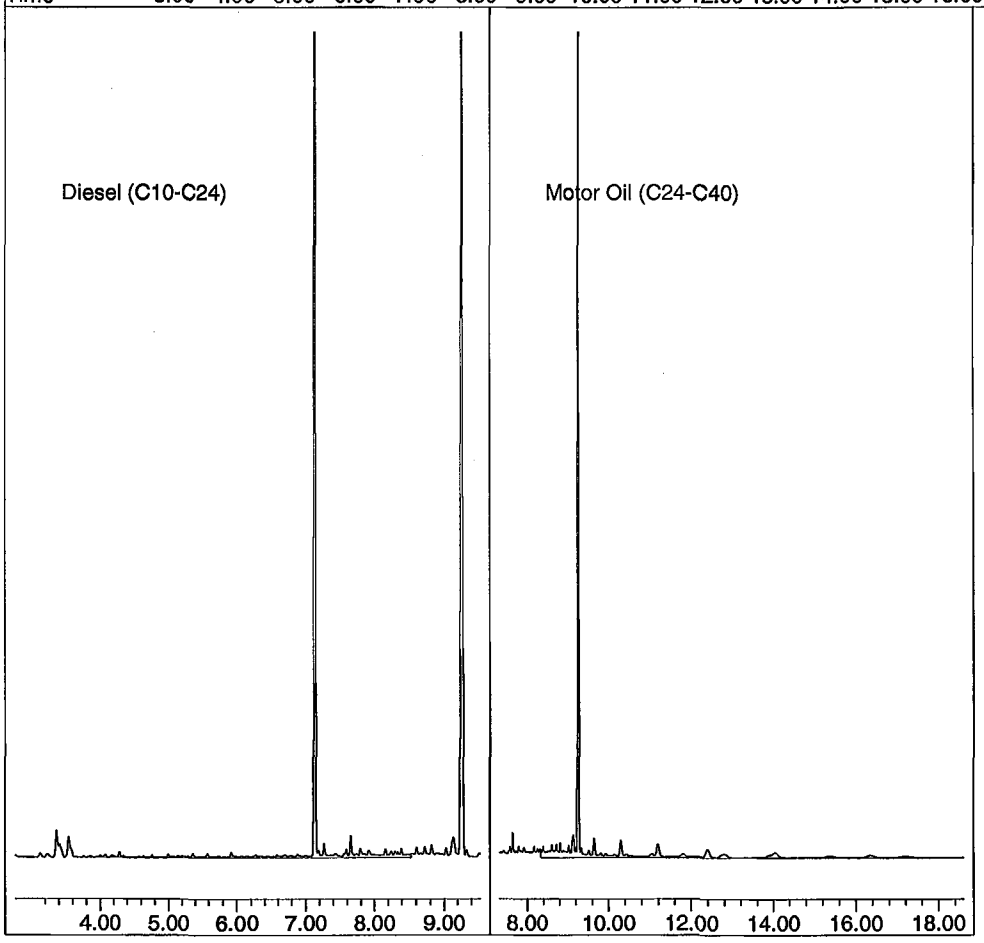
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.13	112183926	89.675 ppb
Surrogate Spike 150.000		Recovery =	59.78%
4) SA Octacosane(S)	9.26	107033436	118.325 ppb
Surrogate Spike 150.000		Recovery =	78.88%
Target Compounds			
1) HATM Diesel (C10-C24)	6.15	39359335	39.099 ppb
2) HBTM Motor Oil (C24-C40)	12.97	79580266	66.938 ppb
Target Compounds			

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

Data File: G:\APOLLO\DATA\211202\1202085.D
Sample : 211201A BLK 5/1000 SG





Quantitation Report (QT Reviewed)

Data File : G:\APOLLO\DATA\211202\1202086.D Vial: 86
Acq On : 12-4-21 6:10:51 Operator: KA
Sample : 211201A LCS-1 5/1000 SG Inst : Apollo
Misc : water Multiplr: 5.00
IntFile : events.e
Quant Time: Dec 11 19:57 2021 Quant Results File: DOC1028.RES

Method : G:\APOLLO\DATA\211202\DOC1028.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Fri Dec 03 08:22:29 2021
Response via : Multiple Level Calibration

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

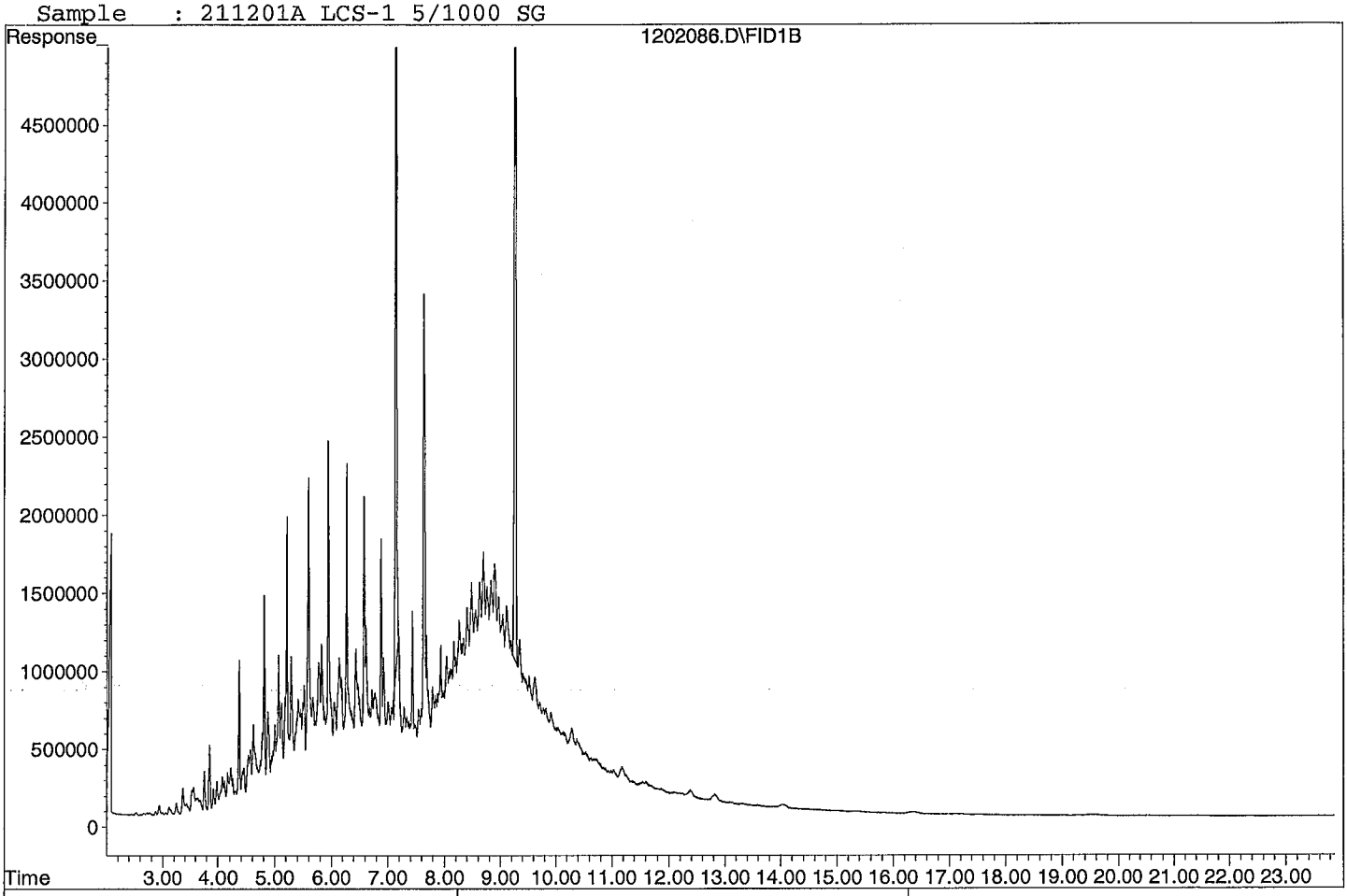
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.13	130406848	104.242 ppb
Surrogate Spike 150.000		Recovery =	69.49%
4) SA Octacosane(S)	9.26	123444142	136.467 ppb
Surrogate Spike 150.000		Recovery =	90.98%
Target Compounds			
1) HATM Diesel (C10-C24)	6.15	1973116794	1960.048 ppb
2) HBTM Motor Oil (C24-C40)	12.97	1615586312	2331.196 ppb
Target Compounds			

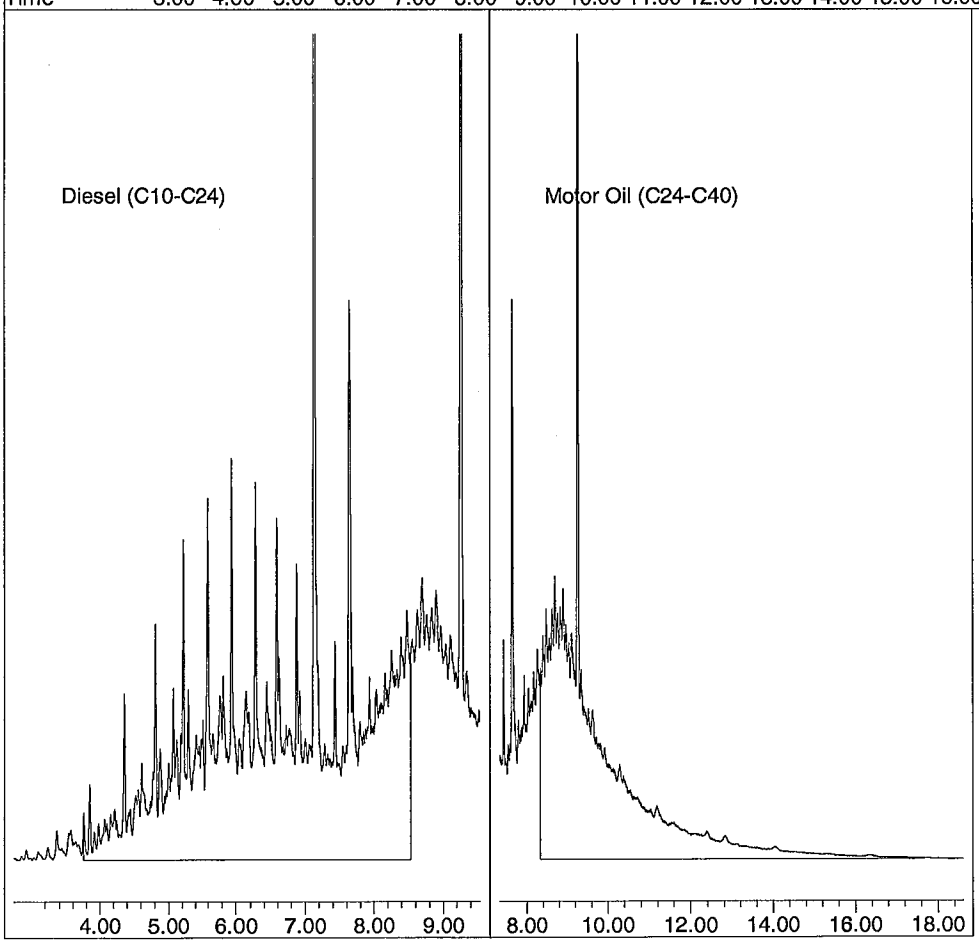
Diesel:

$$\frac{(1973116794)(5)}{(25166669)(2)} = \frac{9865583970}{50333338} = 1960.048$$

(f)=RT Delta > 1/2 Window
1202086.D DOC1028.M Thu Dec 30 14:38:45 2021 (m)=manual int.

Data File: G:\APOLLO\DATA\211202\1202086.D
Sample : 211201A LCS-1 5/1000 SG





Quantitation Report (QT Reviewed)

Data File : G:\APOLLO\DATA\211202\1202087.D Vial: 87
Acq On : 12-4-21 6:38:59 Operator: KA
Sample : 211201A LCSD-1 5/1000 SG Inst : Apollo
Misc : water Multiplr: 5.00
IntFile : events.e
Quant Time: Dec 11 20:09 2021 Quant Results File: DOC1028.RES

Method : G:\APOLLO\DATA\211202\DOC1028.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Fri Dec 03 08:22:29 2021
Response via : Multiple Level Calibration

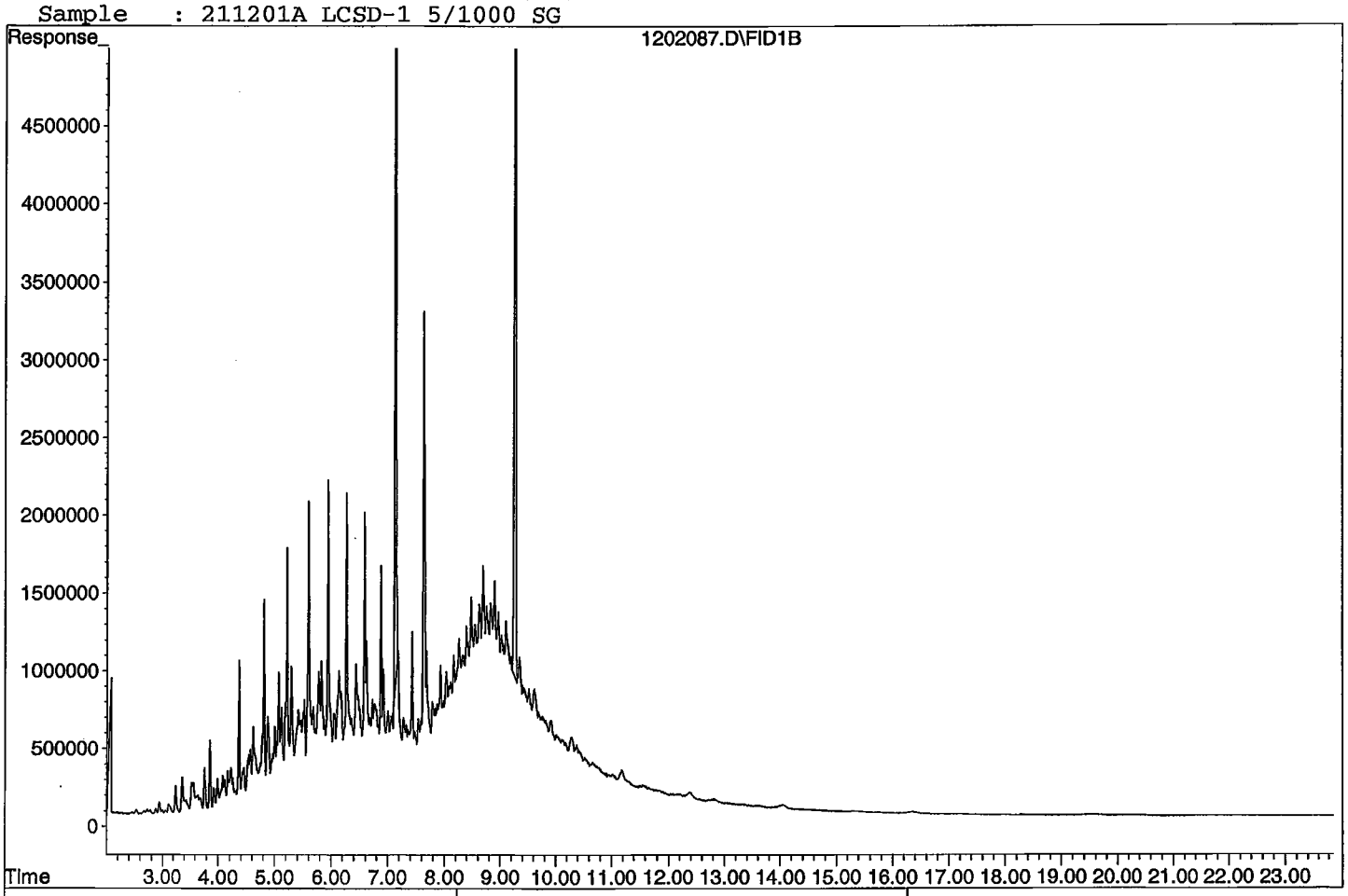
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

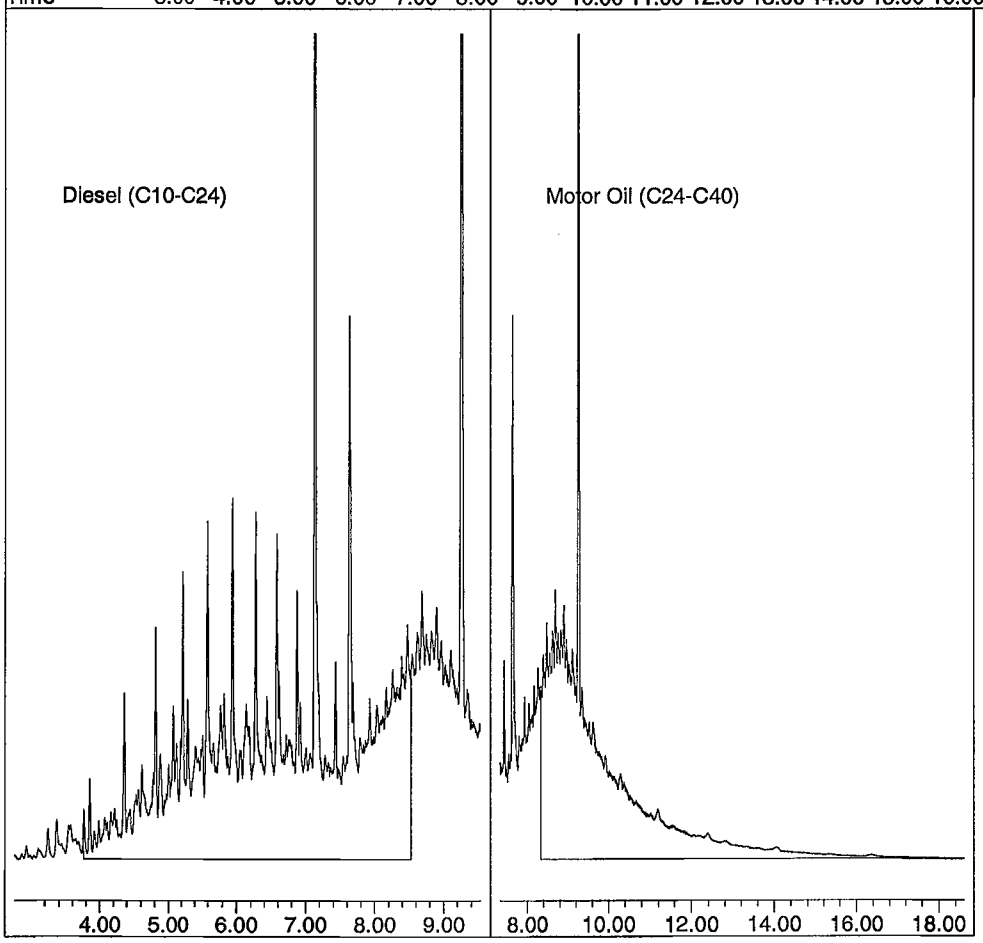
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.13	119563088	95.574 ppb
Surrogate Spike 150.000		Recovery =	63.72%
4) SA Octacosane(S)	9.26	112293040	124.140 ppb
Surrogate Spike 150.000		Recovery =	82.76%
Target Compounds			
1) HATM Diesel (C10-C24)	6.15	1802455316	1790.517 ppb
2) HBTM Motor Oil (C24-C40)	12.97	1474094756	2122.621 ppb

Target Compounds

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

Data File: G:\APOLLO\DATA\211202\1202087.D
Sample : 211201A LCSD-1 5/1000 SG





Diesel / Motor Oil Calibration Curve

Prepared: 10/28/2021
Expires: 5/31/2026
Prepared By (Initials): KA

Methylene Chloride Lot No. 61117

Initial Standard Information							Final Standard			
Name of Initial Standard (QAU Label)	Supplier	Conc. (ug/mL)	APPL Mix Name	Reference to APPL Prep Date and Lot #'s	Exp. Date	Exp. Date (Manufacturer)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/mL)
Diesel / Motor Oil - 2	APPL	10	Diesel / Motor Oil - 1	Perp'd: 10/6/21 A0164485-52822, A0168842-52820, AO166510-52817 CL16893-52835	See man. Exp date	10/31/2027 12/31/2027 5/31/2026	100uL	200uL	MC	5
Diesel / Motor Oil - 3		50	Diesel / Motor Oil - 2				200uL	1mL	MC	10
Diesel / Motor Oil Calibration STD	Restek	2,000	Diesel / Motor Oil - 3				25uL	1mL	MC	50
			Diesel / Motor Oil - 4				125uL	1mL	MC	250
			Diesel / Motor Oil - 5				500uL	1mL	MC	1000
			Diesel / Motor Oil - 6				750uL	1mL	MC	1500
			Diesel / Motor Oil - 7				100uL	100uL	N/A	2,000

Diesel / Motor Oil Second Source

Prepared: 10/28/2021
Expires: 10/28/2024
Methylene Chloride
Lot No. 61117

Prepared By (Initials): KA

Initial Standard Information							Final Standard			
Name of Initial Standard (QAU Label)	Supplier	Supplier Part No.	Conc. (ug/mL)	Lot Number - QA Number	Exp. Date (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			

Decanoic Acid Calibration Curve

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

Expires: 7/12/2022

Methylene Chloride Lot No. 61117

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

Diesel / Motor Oil Calibration Standard

Prepared: 10/6/2021 **Prepared By (Initials):** KA

Expires: 5/31/2026

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	Restek	31258	50,000	**A016448 5-52822**	**9/3/2022**	**10/31/2027**	400uL	10mL	MC	2000
Motor Oil	Restek	31464	50,000	**A016884 2-52820 and A016651 0-52817**	**10/6/2021**	**12/31/2027**	400uL			2000
THC Surrogate	Phenova	ALO-130161	600	**CL16893 52835**	**10/6/2021**	**5/31/2026**	1666uL			100

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

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: 11/23/2021 **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	**CL16893-53204**	**See ma. Date**	**5/31/2026**	N/A	N/A	N/A	600

Decanoic Acid Spike

Prepared: 12/1/2021 **Prepared By (Initials): KA**

Expires: 7/8/2024

Initial Standard Information							Final Standard			
Name of Initial Standard (QAU Label)	Supplier	Supplier Part No.	Conc. (ug/mL)	Lot Number - QA Number	Exp. Date (1 yr.)	Exp. Date (Manufacturer)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/mL)
Decanoic Acid Spike	Absolute	72766	1,000	**070821-52697**	**See man. Exp date**	**7/8/2024**	N/A	N/A	N/A	1,000

_LIQ005SGC

Organic Extraction Worksheet

Method	Continuous Liq/Liq TPH- 3520C w/SGC	Extraction Set	211201A	Extraction Method	LIQ005SGC	Units	mL

Spiked ID 1	Diesel Motor Oil Mix 10-30-21 10-31-27		Surrogate ID 1	THC Surrogate 11-23-21 11-23-22	
Spiked ID 2	Decanoic 1000ug/mL Acid Solution 12-1-21 7-8-24		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:	12/01/21 10:54	
Spiked ID 8			Ext. End Time:	12/02/21 6:40	
			GC Requires Extract By:		

pH1	2	12/01/21 10:10	Water Bath Temp 1 °C	40/39.1 °C
pH2			Water Bath Temp 2 °C	34/35.1
pH3			Water Bath Temp 3 °C	30/29.5 °C

Spiked By: SR **Date** 12/1/2021 **Witnessed By:** CG **Date** 12/1/2021

	Sample	Sample Container	Spike Amount	Spike ID	Surrogate Amount	Surrogate ID	Extract Amount	Final Volume	pH	Extract Date/Time	Comments
1	211201A Blk		0.050	2	0.250	1	1000	5	2	12/01/21 10:12	*
						equip	E-HP3 E-WB1				
2	211201A LCS-1		0.080,0.050	1,2	0.250	1	1000	5	2	12/01/21 10:12	*
						equip	E-HP4 E-WB2				
3	211201A LCSD-1		0.080,0.050	1,2	0.250	1	1000	5	2	12/01/21 10:12	*
						equip	E-HP6 E-WB3				
4	BA46971	BA46971W09	0.050	2	0.250	1	1040	5	2	12/01/21 10:12	98336 *
						equip	E-HP7 E-WB1				
5	BA46973	BA46973W09	0.050	2	0.250	1	1050	5	2	12/01/21 10:12	98336 *
						equip	E-HP8 E-WB2				
6	BA46974	BA46974W07	0.050	2	0.250	1	1040	5	2	12/01/21 10:12	98336 *
						equip	E-HP9 E-WB3				
7	BA46979	BA46979W09	0.050	2	0.250	1	1030	5	2	12/01/21 10:12	98337 *
						equip	E-HP10 E-WB1				
8	BA46981	BA46981W09	0.050	2	0.250	1	1040	5	2	12/01/21 10:12	98337 *
						equip	E-HP11 E-WB2				
9	BA46983	BA46983W09	0.050	2	0.250	1	1030	5	2	12/01/21 10:12	98337 *
						equip	E-HP12 E-WB3				
10	BA46985	BA46985W09	0.050	2	0.250	1	1030	5	2	12/01/21 10:12	98337 *
						equip	E-HP13 E-WB1				

Solvent and Lot#	
1+1 HCL (5mLs)	60358
PH Strips	HC160397
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	12/2/21
Time	15:30
Refrigerator	HOBART

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

Modified	12/2/2021 12:40:20 PM

Reviewed By: KY **Date** 12/2/2021

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	82	1202082.D	1	DMO STD DF2 10/06/21	water	12-4-21 4:18:20
16	83	1202083.D	1	Decanoic Acid CCV 11/05/21	water	12-4-21 4:46:28
17	85	1202085.D	5	211201A BLK 5/1000 SG	water	12-4-21 5:42:45
18	86	1202086.D	5	211201A LCS-1 5/1000 SG	water	12-4-21 6:10:51
19	87	1202087.D	5	211201A LCSD-1 5/1000 SG	water	12-4-21 6:38:59
20	88	1202088.D	4.80769	BA46971W09 5/1040 SG	water	12-4-21 7:07:09
21	89	1202089.D	4.7619	BA46973W09 5/1050 SG	water	12-4-21 7:35:20
22	90	1202090.D	4.80769	BA46974W07 5/1040 SG	water	12-4-21 8:03:28
23	97	1202097.D	1	DMO STD DF2 10/06/21	water	12-4-21 11:20:18
24	98	1202098.D	1	Decanoic Acid CCV 11/05/21	water	12-4-21 11:48:27

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																	
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2.118919

Quantitation Report (Not Reviewed)

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

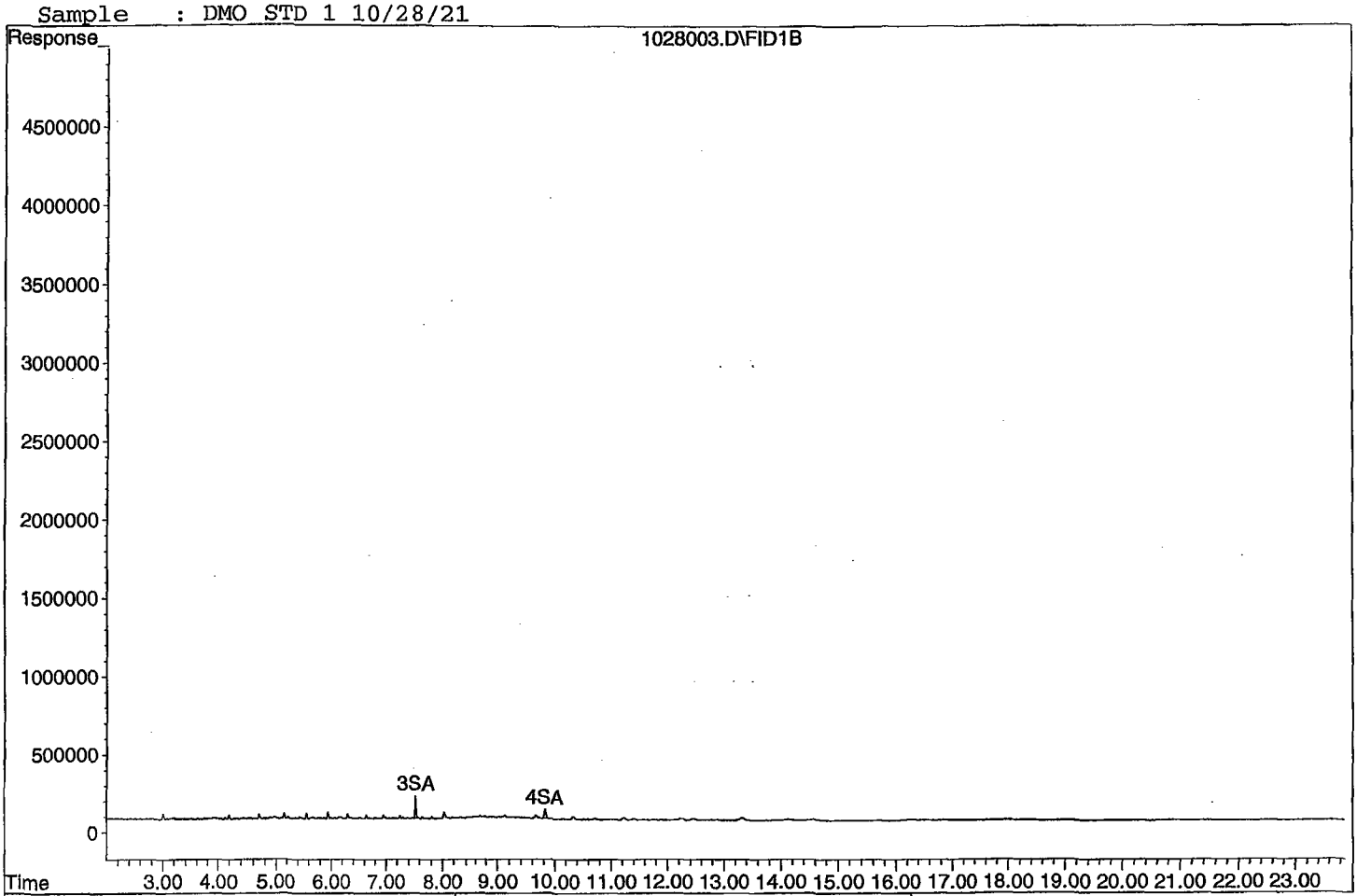
Method : G:\APOLLO\DATA\211028\DOC1028.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Oct 28 15:39:11 2021
Response via : Multiple Level Calibration

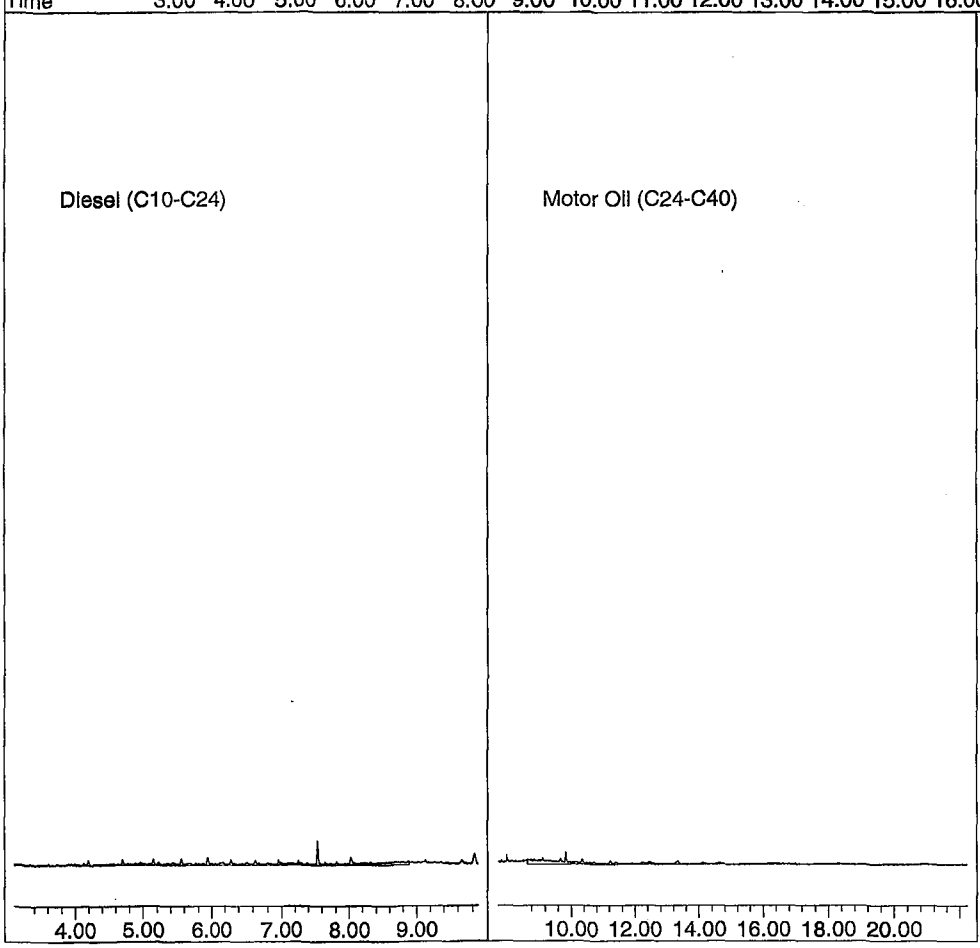
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

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

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

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





Quantitation Report (Not Reviewed)

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

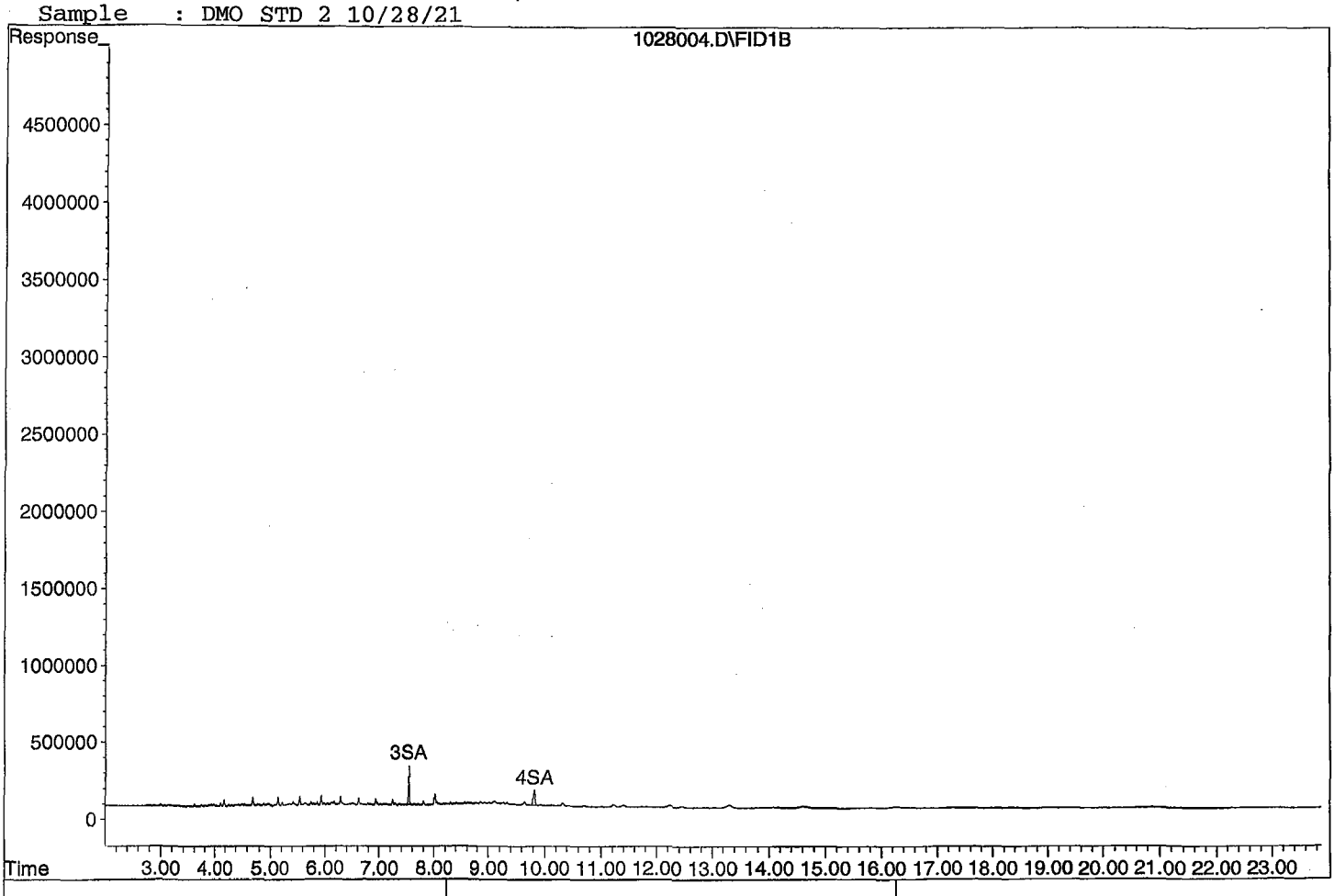
Method : G:\APOLLO\DATA\211028\DOC1028.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Oct 28 15:39:11 2021
Response via : Multiple Level Calibration

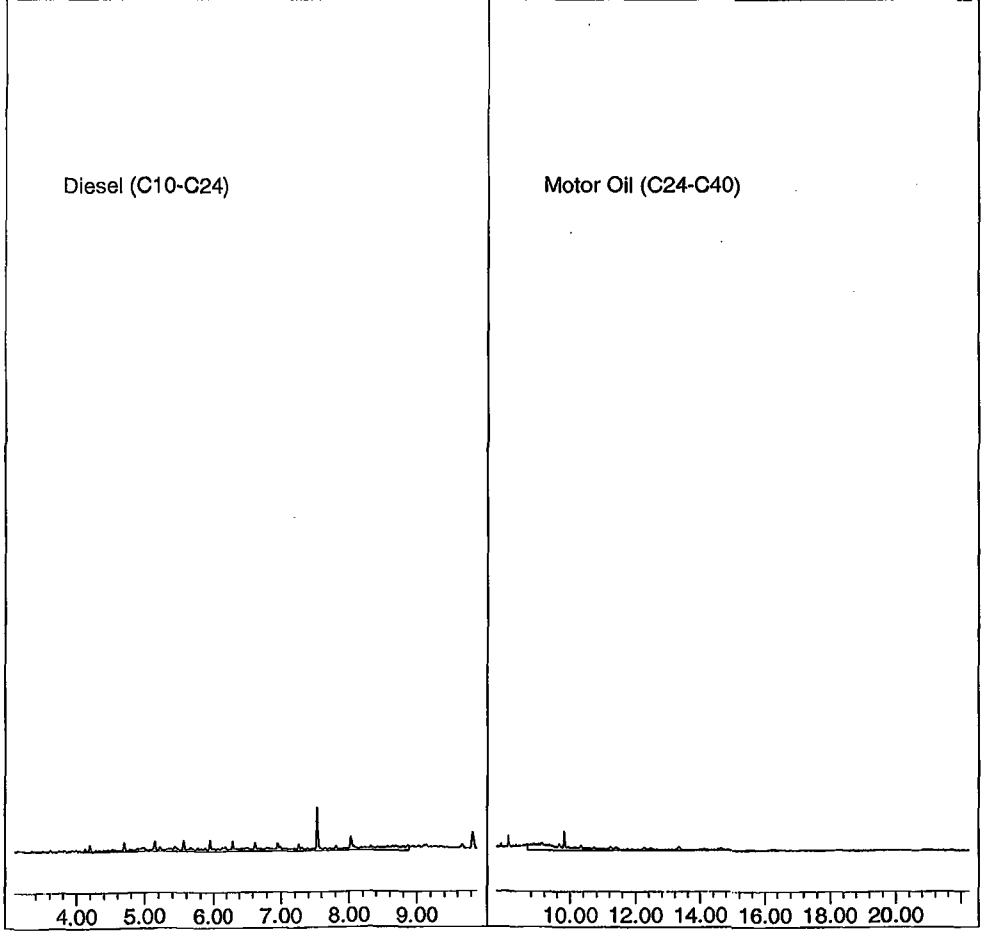
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

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

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

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





Quantitation Report (Not Reviewed)

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

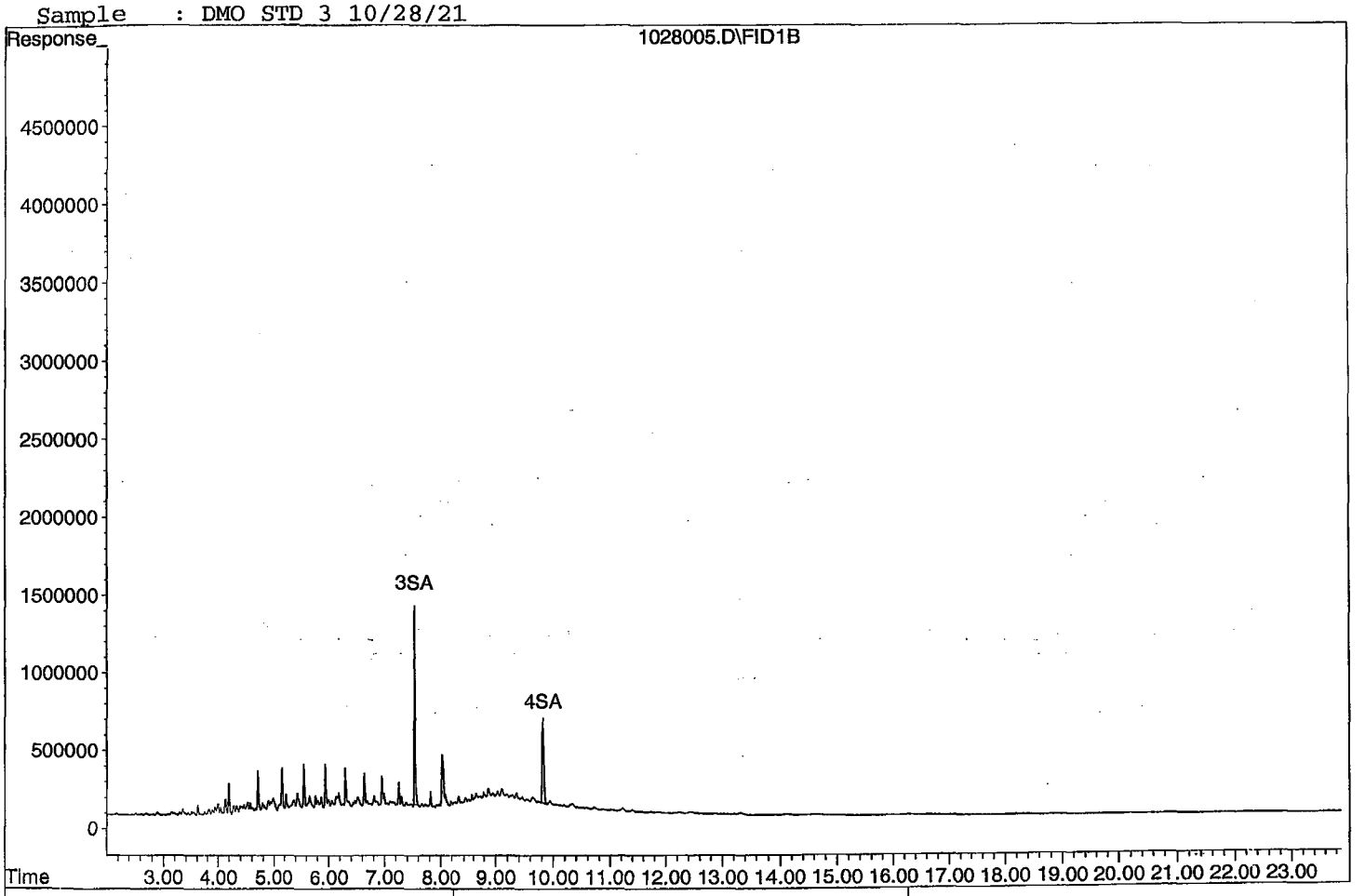
Method : G:\APOLLO\DATA\211028\DOC1028.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Oct 28 15:39:11 2021
Response via : Multiple Level Calibration

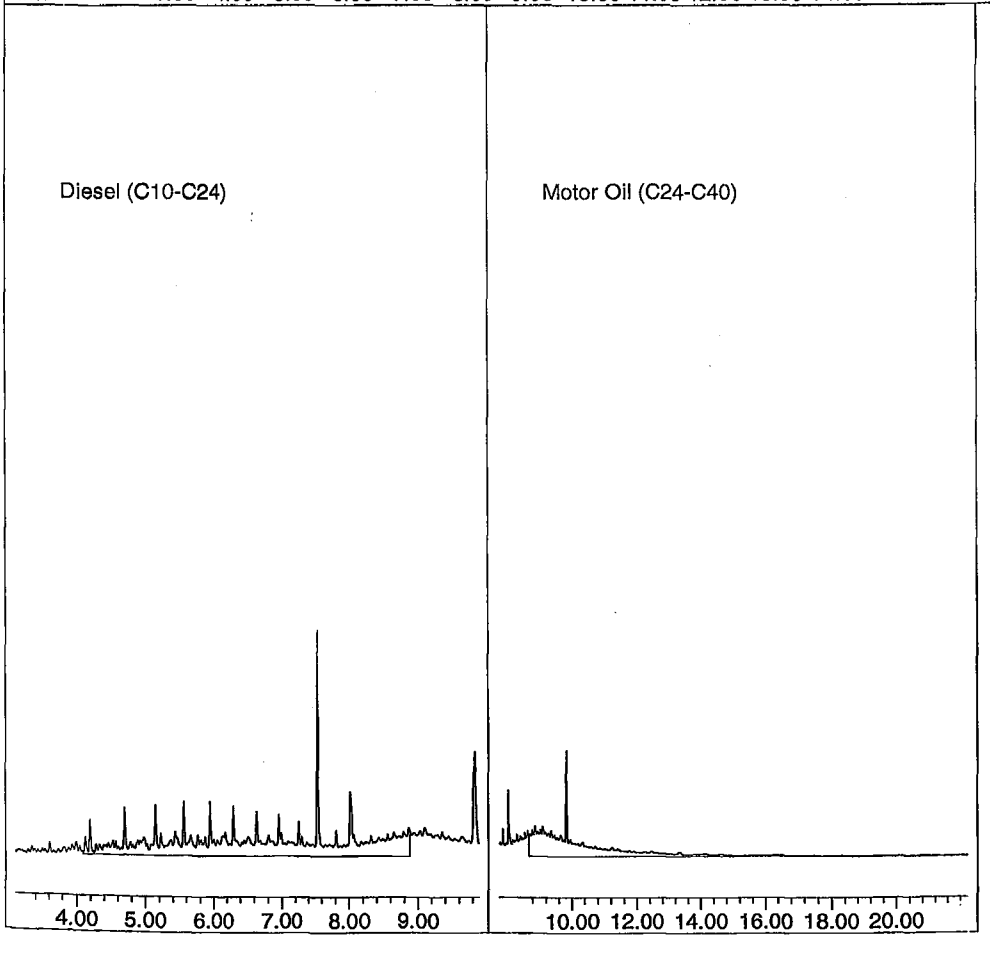
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

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

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

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





Quantitation Report (Not Reviewed)

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

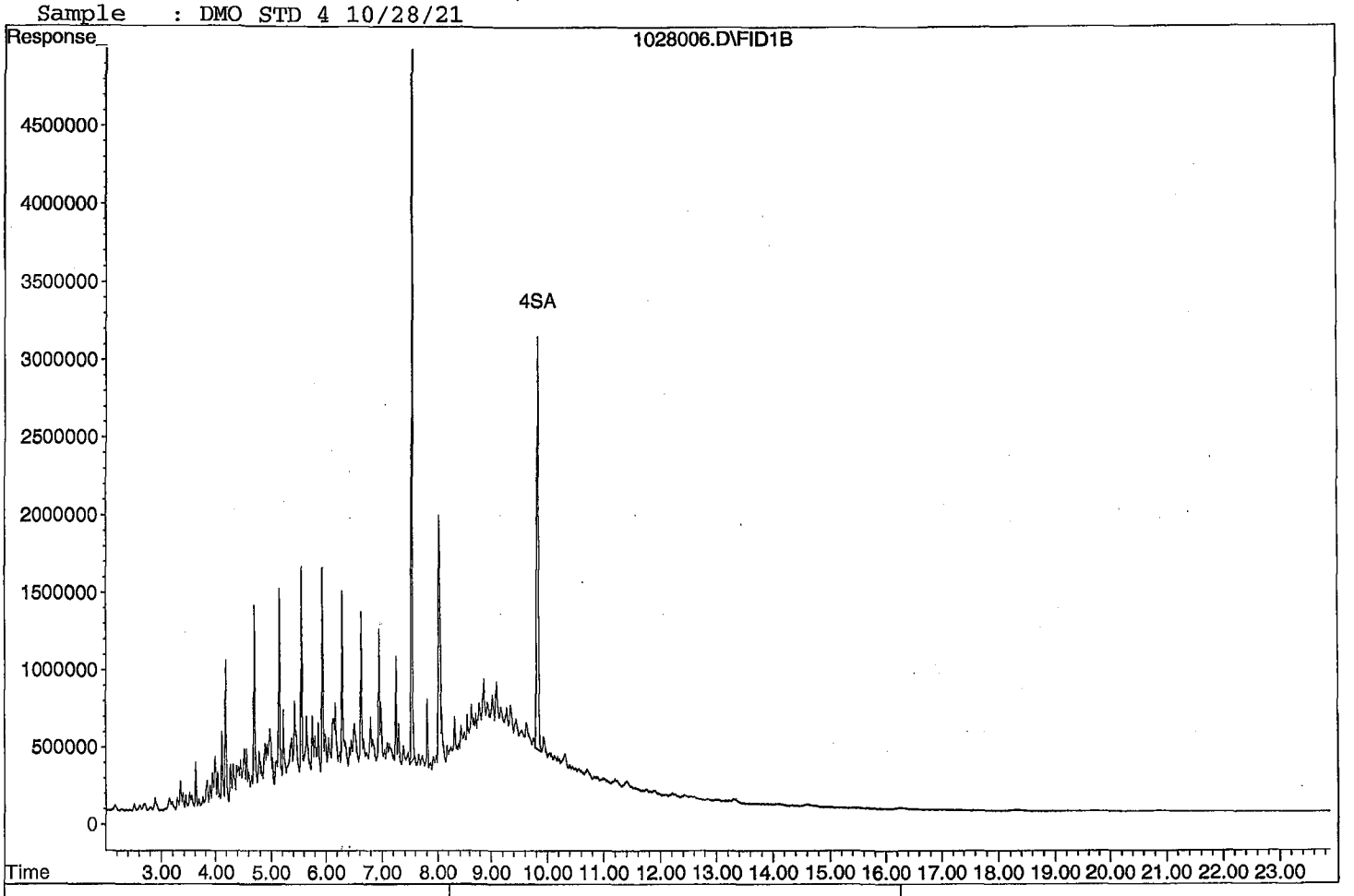
Method : G:\APOLLO\DATA\211028\DOC1028.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Oct 28 15:39:11 2021
Response via : Multiple Level Calibration

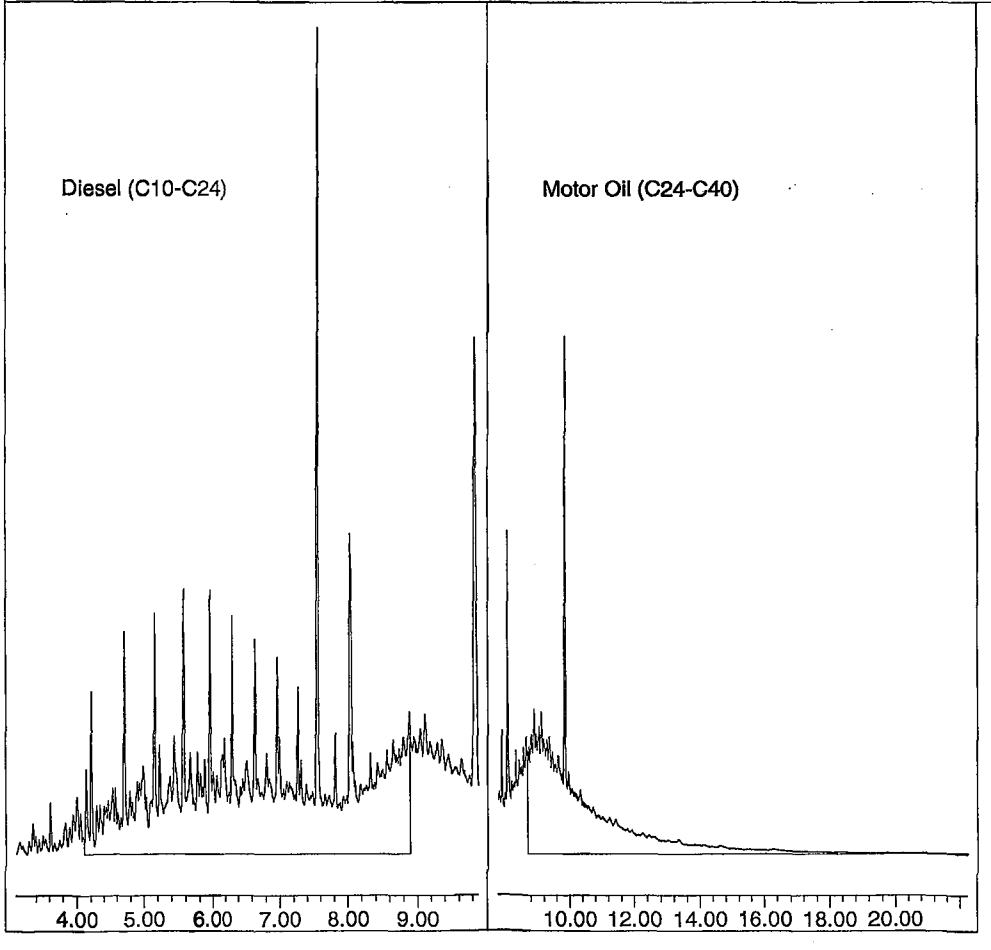
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

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

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

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





Quantitation Report (Not Reviewed)

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

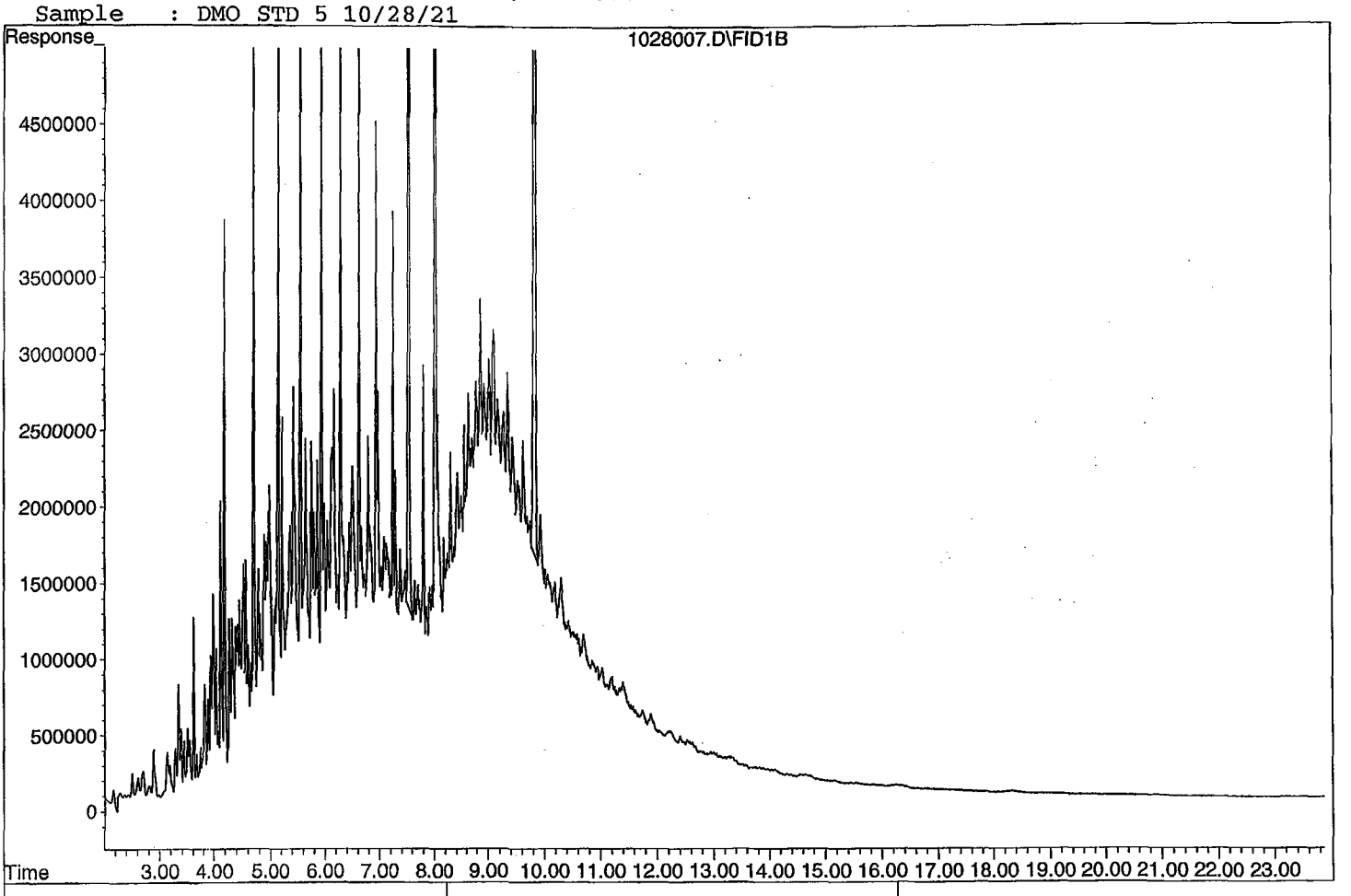
Method : G:\APOLLO\DATA\211028\DOC1028.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Oct 28 15:39:11 2021
Response via : Multiple Level Calibration

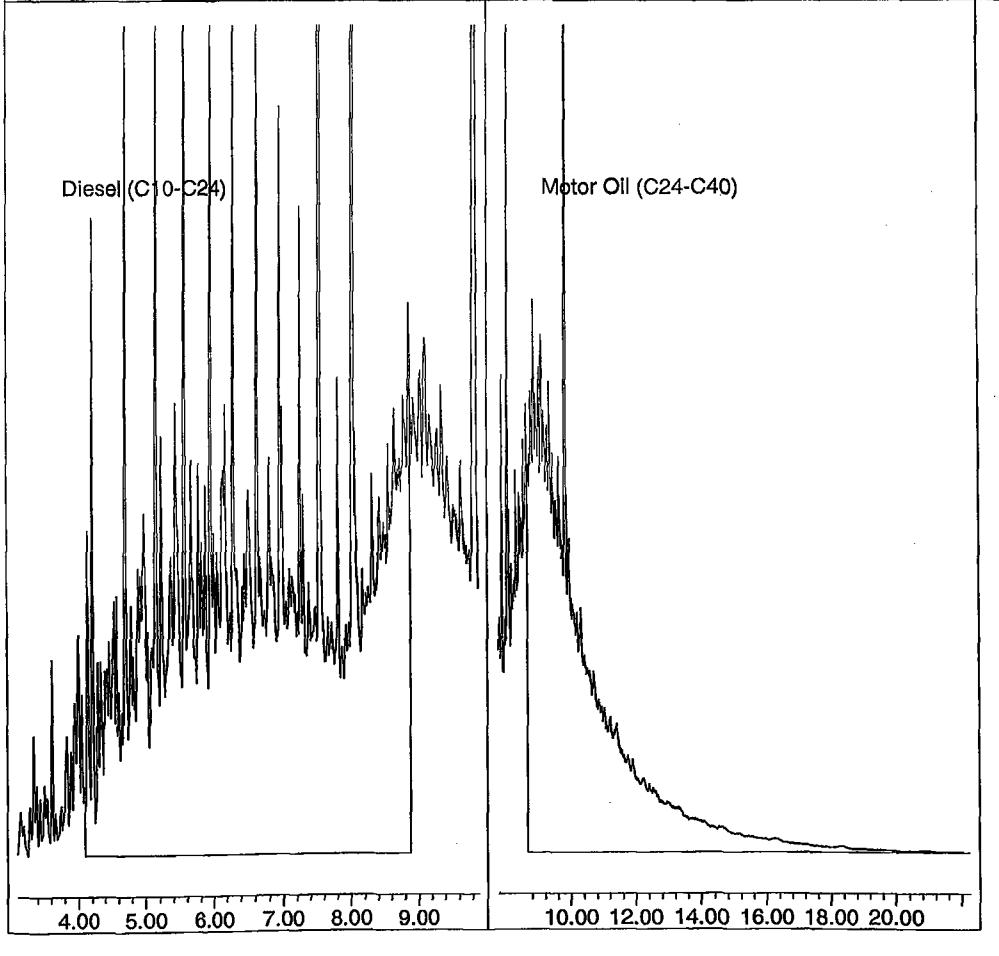
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

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

(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

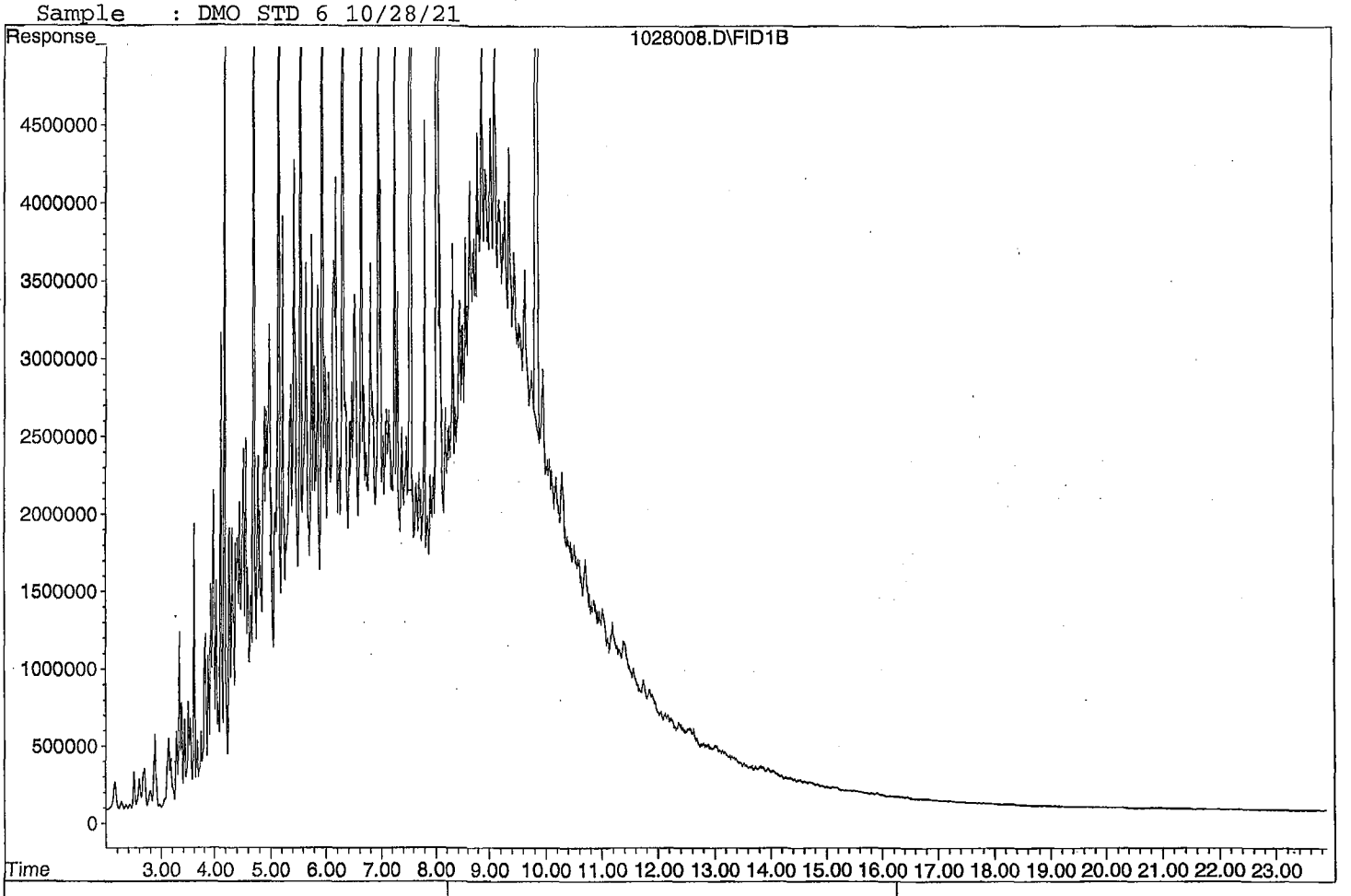
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

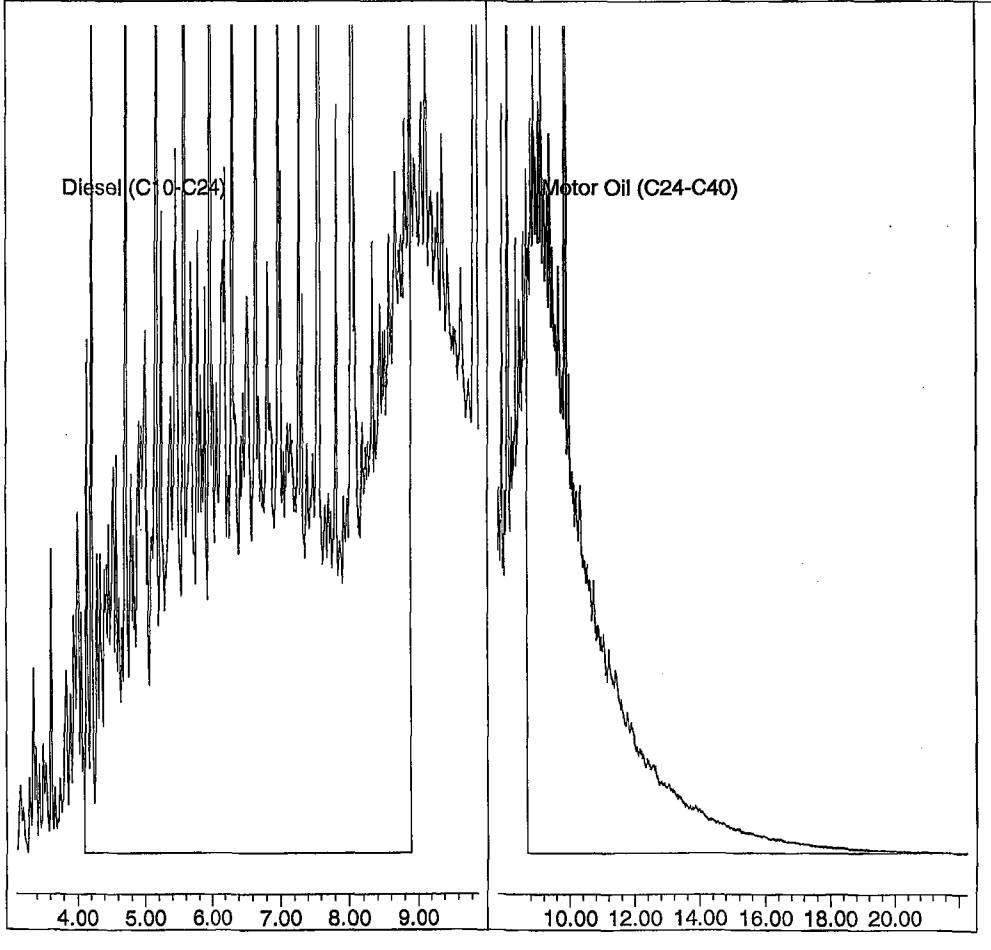
Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
3) SA Ortho-Terphenyl(S)	7.54	435798382	69.672	ppb
Surrogate Spike 30.000		Recovery =	232.24%	
4) SA Octacosane(S)	9.84	325688048	72.009	ppb
Surrogate Spike 30.000		Recovery =	240.03%	
Target Compounds				
1) HATM Diesel (C10-C24)	6.49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

Target Compounds

(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

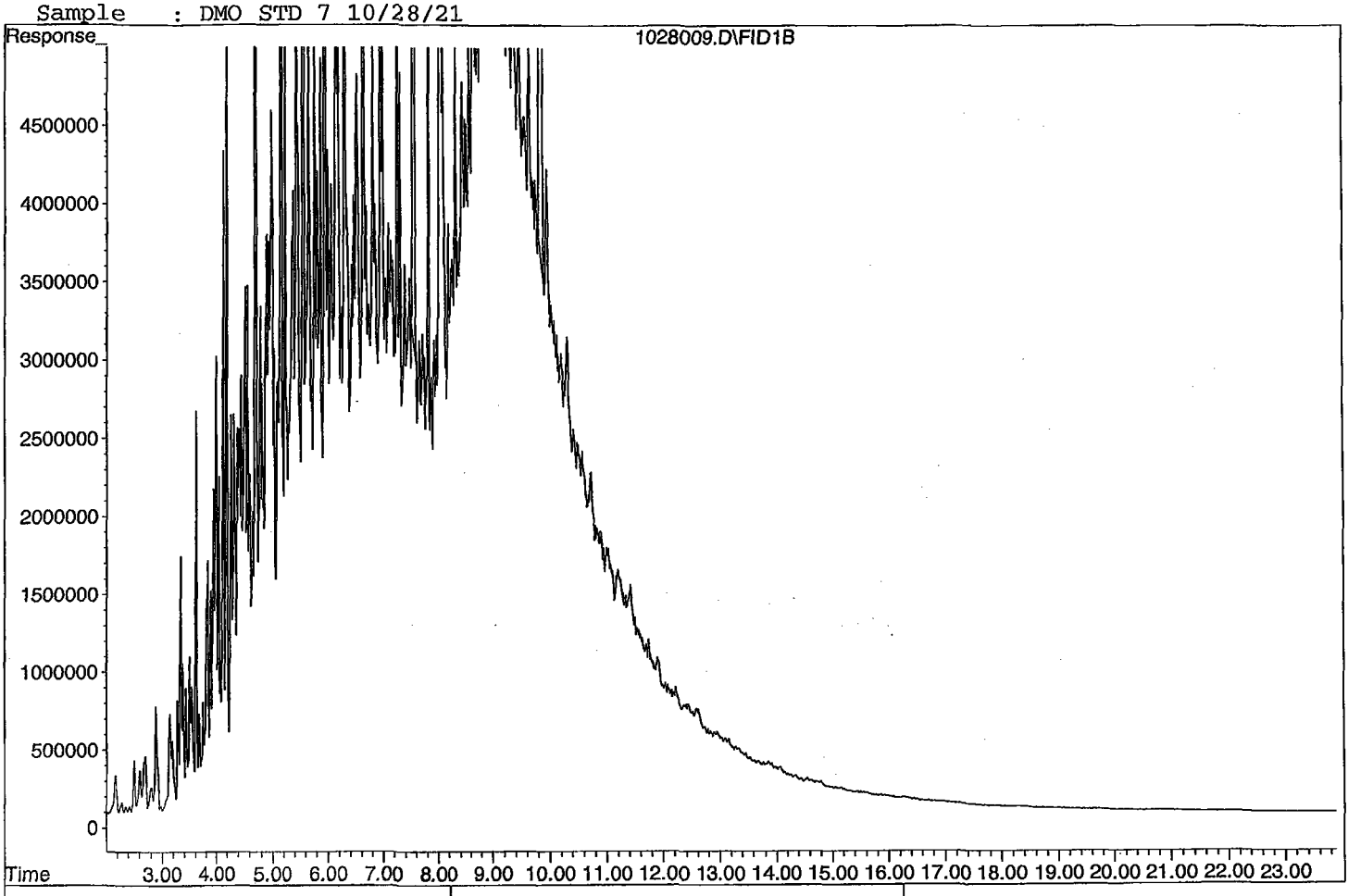
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

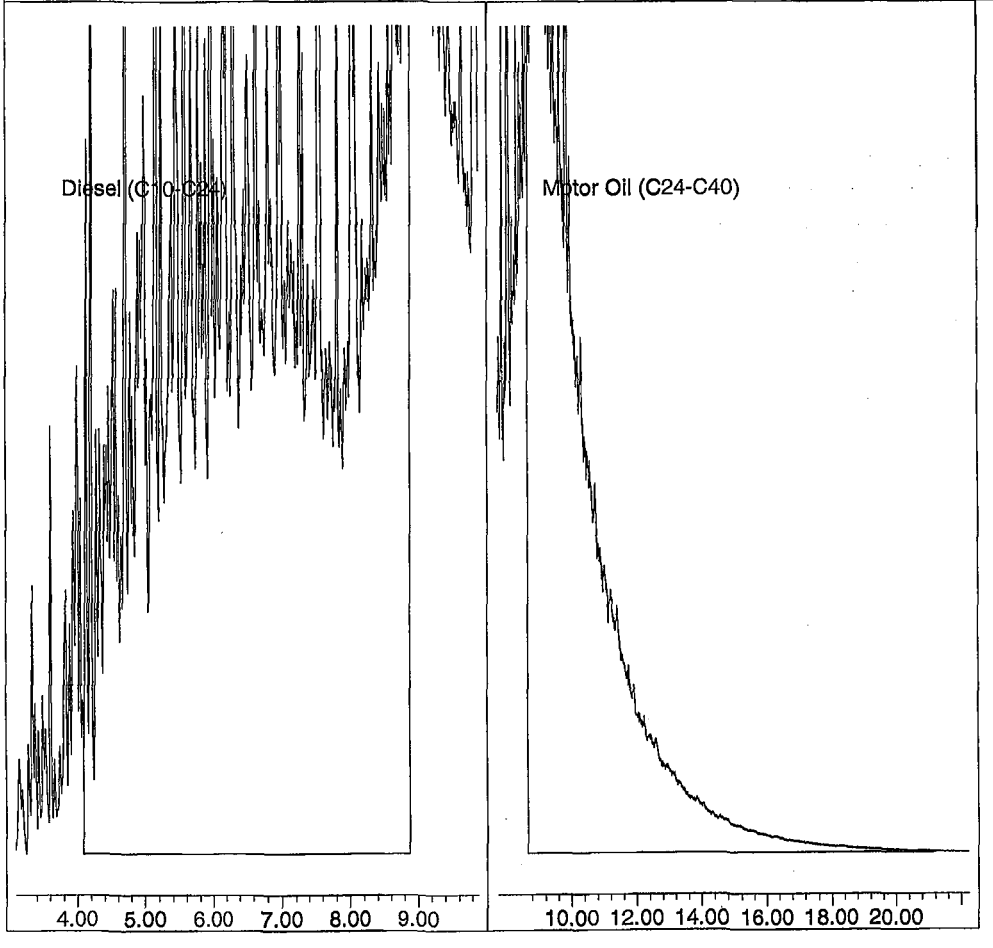
Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
3) SA Ortho-Terphenyl(S)	7.54	617758709	98.762	ppb
Surrogate Spike 30.000	Recovery =		329.21%	
4) SA Octacosane(S)	9.85	457331573	101.116	ppb
Surrogate Spike 30.000	Recovery =		337.05%	
Target Compounds				
1) HATM Diesel (C10-C24)	6.49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

Target Compounds

(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							
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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

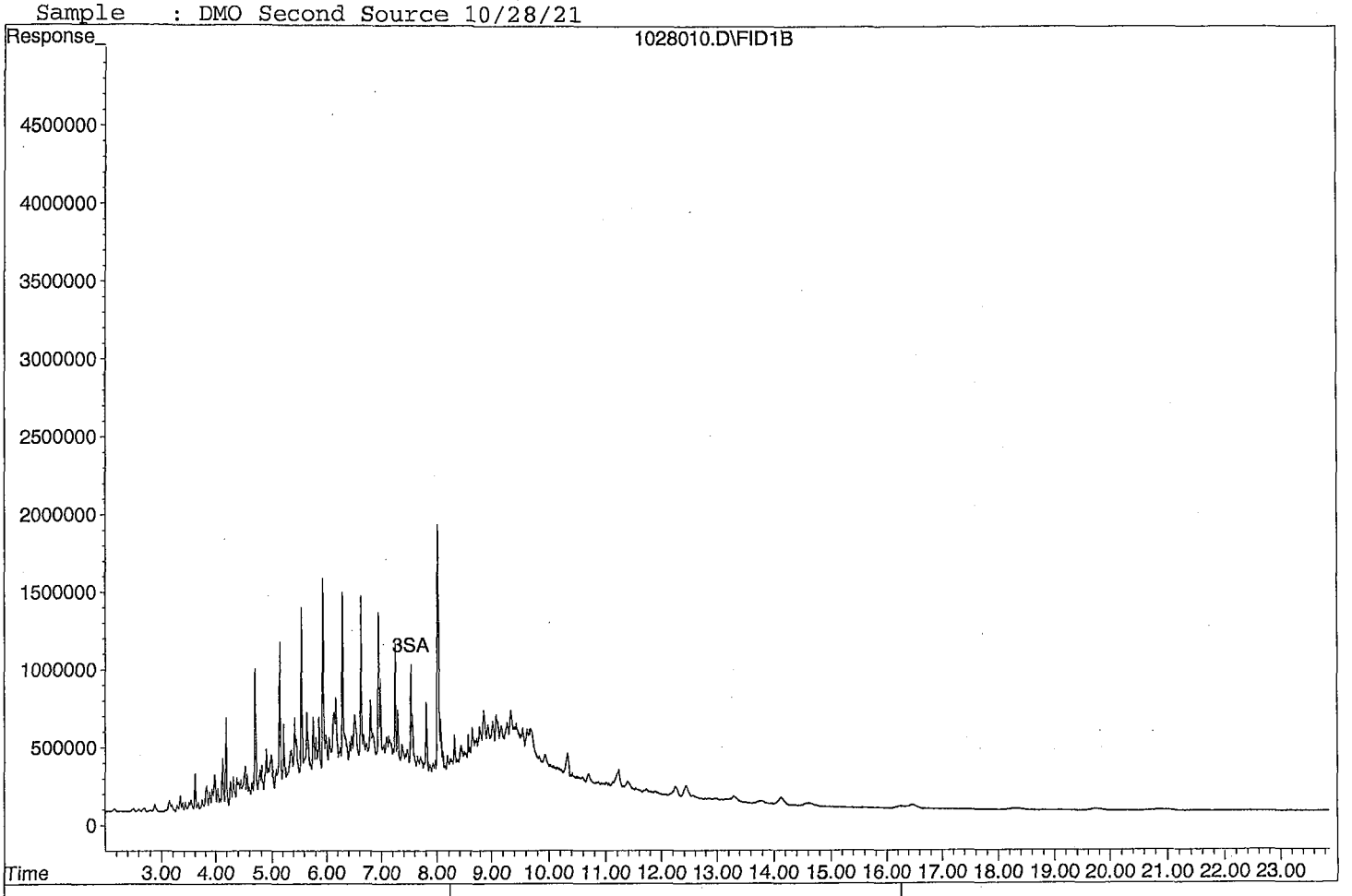
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

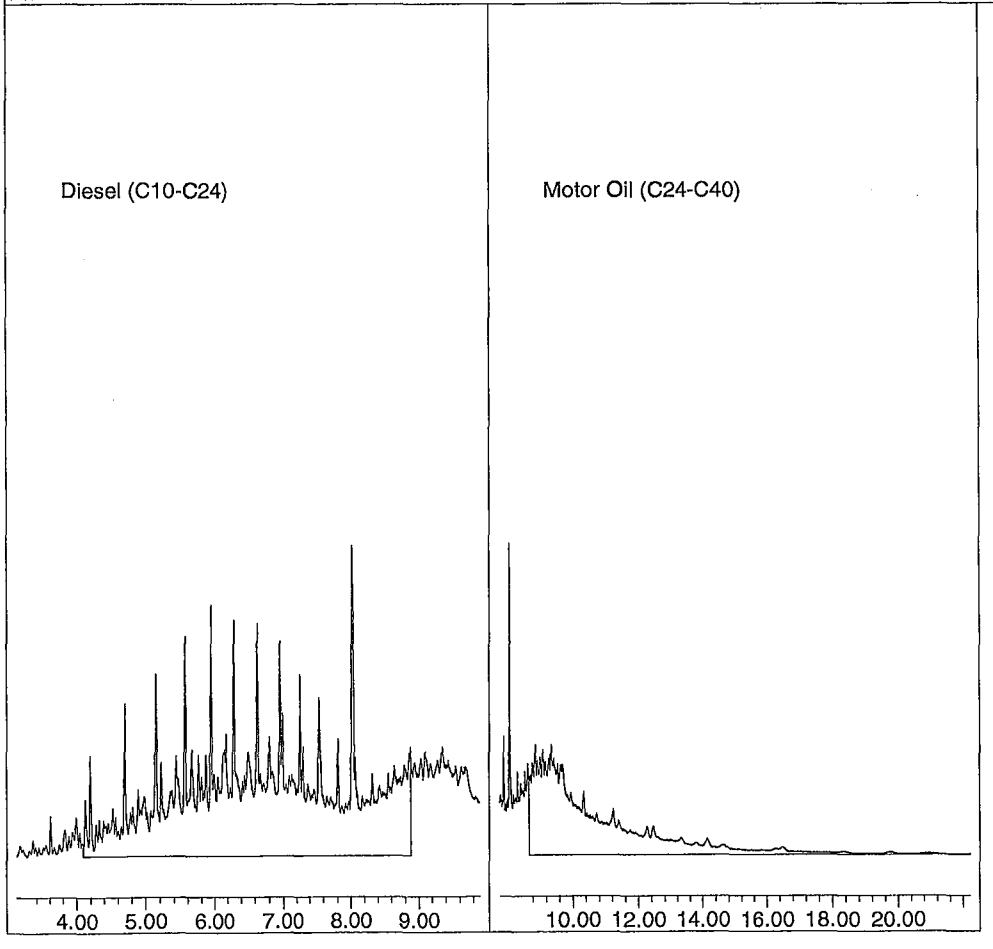
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.53	4250105	0.679 ppb
Surrogate Spike 30.000		Recovery =	2.26%
4) SA Octacosane(S)	9.83	-3553	N.D. ppb
Surrogate Spike 30.000		Recovery =	0.00%
Target Compounds			
1) HATM Diesel (C10-C24)	6.49	1133202337	225.139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

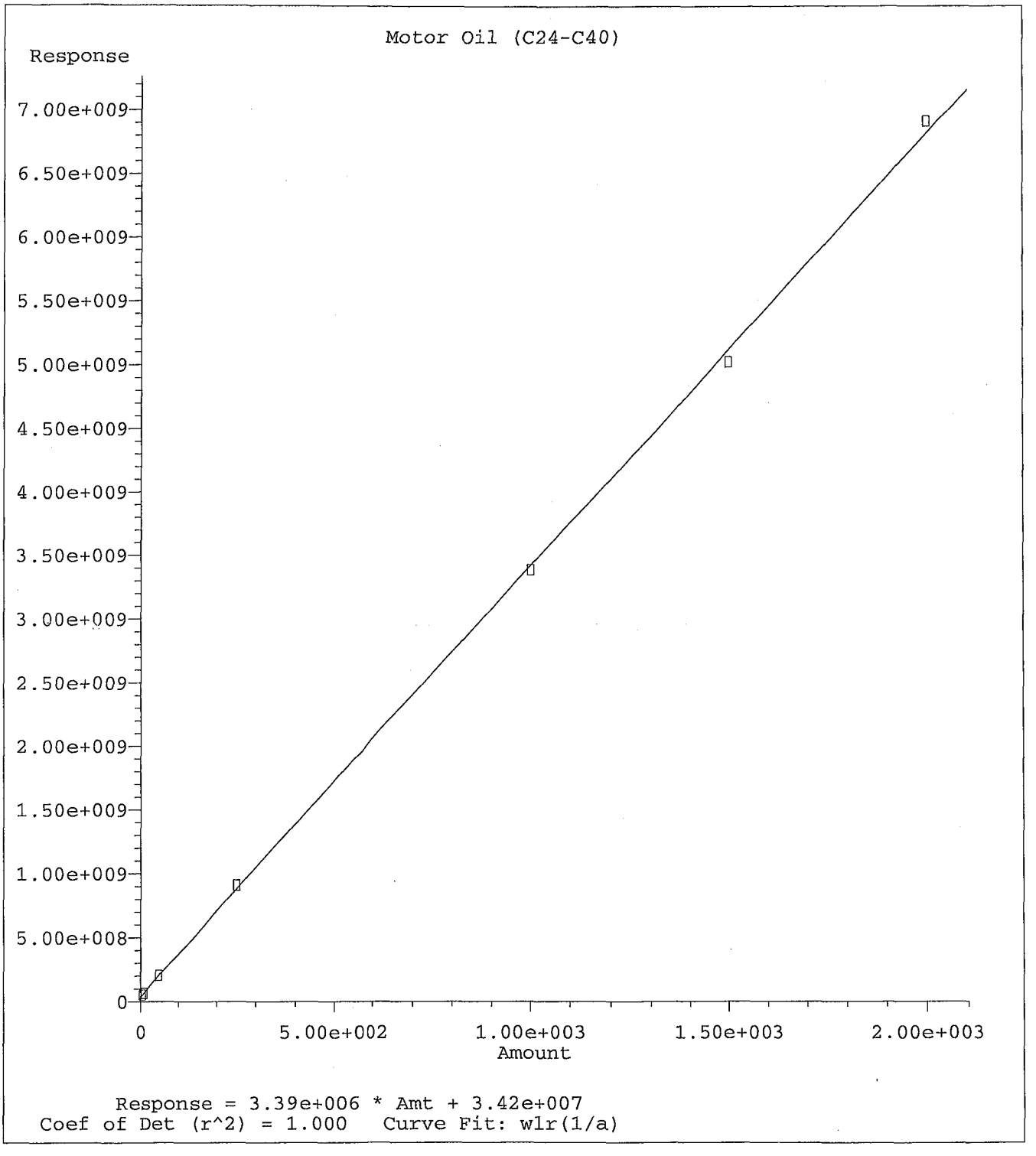
Target Compounds

(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
DOC1028

Form 7
Continuing Calibration

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

SDG No:
Date Analyzed: 12/3/2021
Instrument: Apollo
Initial Cal. Date: 10/28/2021
Data File: 1202039.D

		Compound	MEAN	CCRF	%D		%Drift
1	HATM	Diesel (C10-C24)	2516670	2648030	5.2	HATM	
2	HBTM	Motor Oil (C24-C40)	2492040	1912280	23	HBTML	12
3	SA	Ortho-Terphenyl(S)	3127510	2638380	16	SA	
4	SA	Octacosane(S)	2261430	2411190	6.6	SA	
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		Average			12.7		

Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\211202\1202039.D Vial: 39
Acq On : 12-3-21 8:03:38 Operator: KA
Sample : DMO STD DF2 10/06/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Dec 3 12:34 2021 Quant Results File: DOC1028.RES

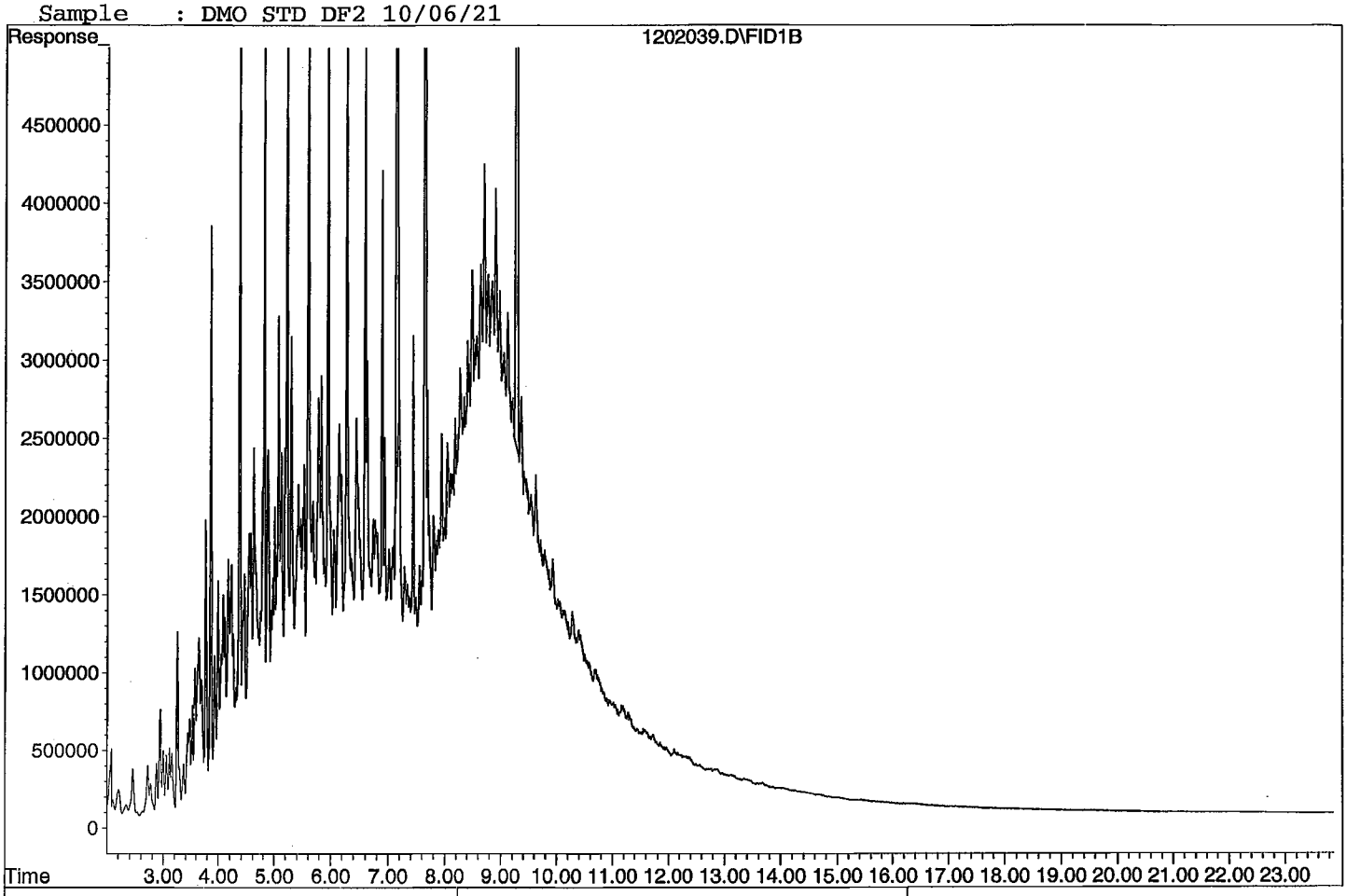
Method : G:\APOLLO\DATA\211202\DOC1028.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Fri Dec 03 08:22:29 2021
Response via : Multiple Level Calibration

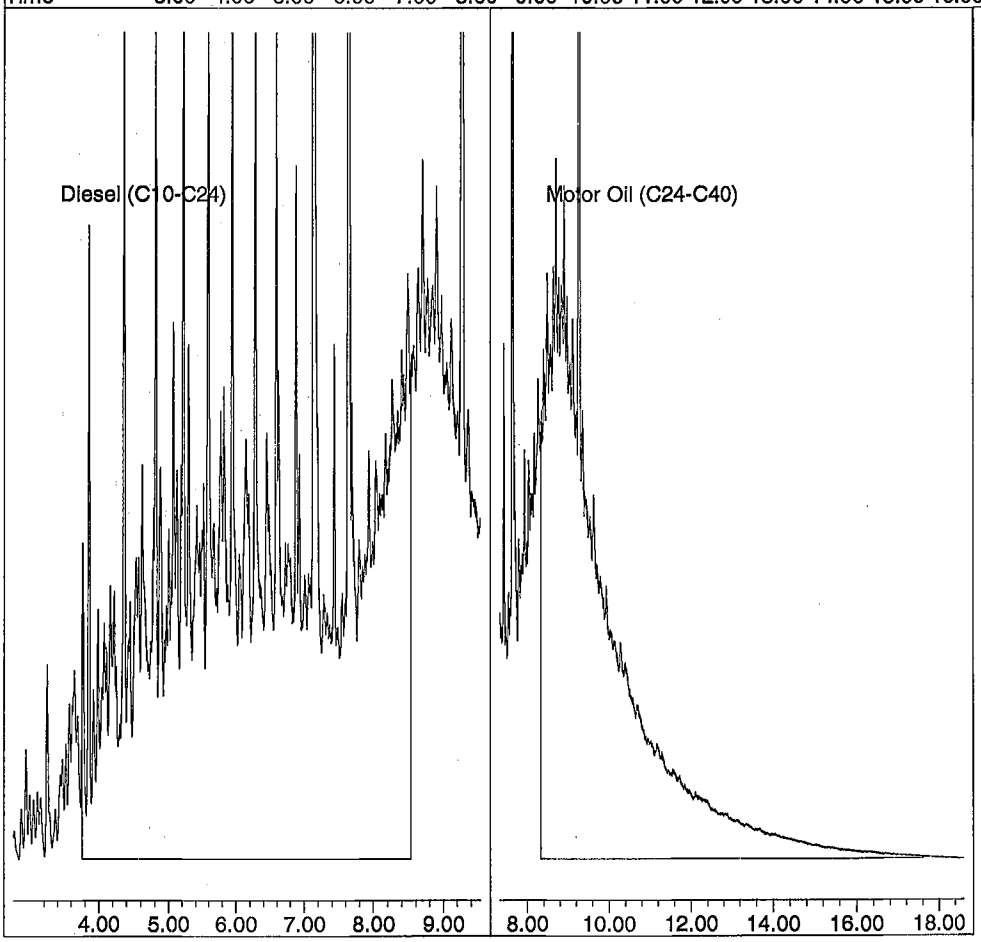
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
3) SA Ortho-Terphenyl(S)	7.14	263837915	42.180	ppb
Surrogate Spike 30.000		Recovery =	140.60%	
4) SA Octacosane(S)	9.27	241119122	53.311	ppb
Surrogate Spike 30.000		Recovery =	177.70%	
Target Compounds				
1) HATM Diesel (C10-C24)	6.15	5296066413	1052.198	ppb
2) HBTM Motor Oil (C24-C40)	12.97	3824568635	1117.501	ppb

Target Compounds

Data File: G:\APOLLO\DATA\211202\1202039.D
Sample : DMO STD DF2 10/06/21





TPH Extractables
DOC1028

Form 7

Continuing Calibration

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

SDG No:
Date Analyzed: 12/3/2021
Instrument: Apollo
Initial Cal. Date: 10/28/2021
Data File: 1202056.D

		Compound	MEAN	CCRF	%D	%Drift		
1	HATM	Diesel (C10-C24)	2516670	2757150	9.6	HATM		
2	HBTM	Motor Oil (C24-C40)	2492040	1980050	21	HBTML	16	
3	SA	Ortho-Terphenyl(S)	3127510	2283620	27	SA		*
4	SA	Octacosane(S)	2261430	2513390	11	SA		
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		Average			17.2			

Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\211202\1202056.D Vial: 56
Acq On : 12-3-21 16:05:12 Operator: KA
Sample : DMO STD DF2 10/06/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Dec 11 19:38 2021 Quant Results File: DOC1028.RES

Method : G:\APOLLO\DATA\211202\DOC1028.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Fri Dec 03 08:22:29 2021
Response via : Multiple Level Calibration

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

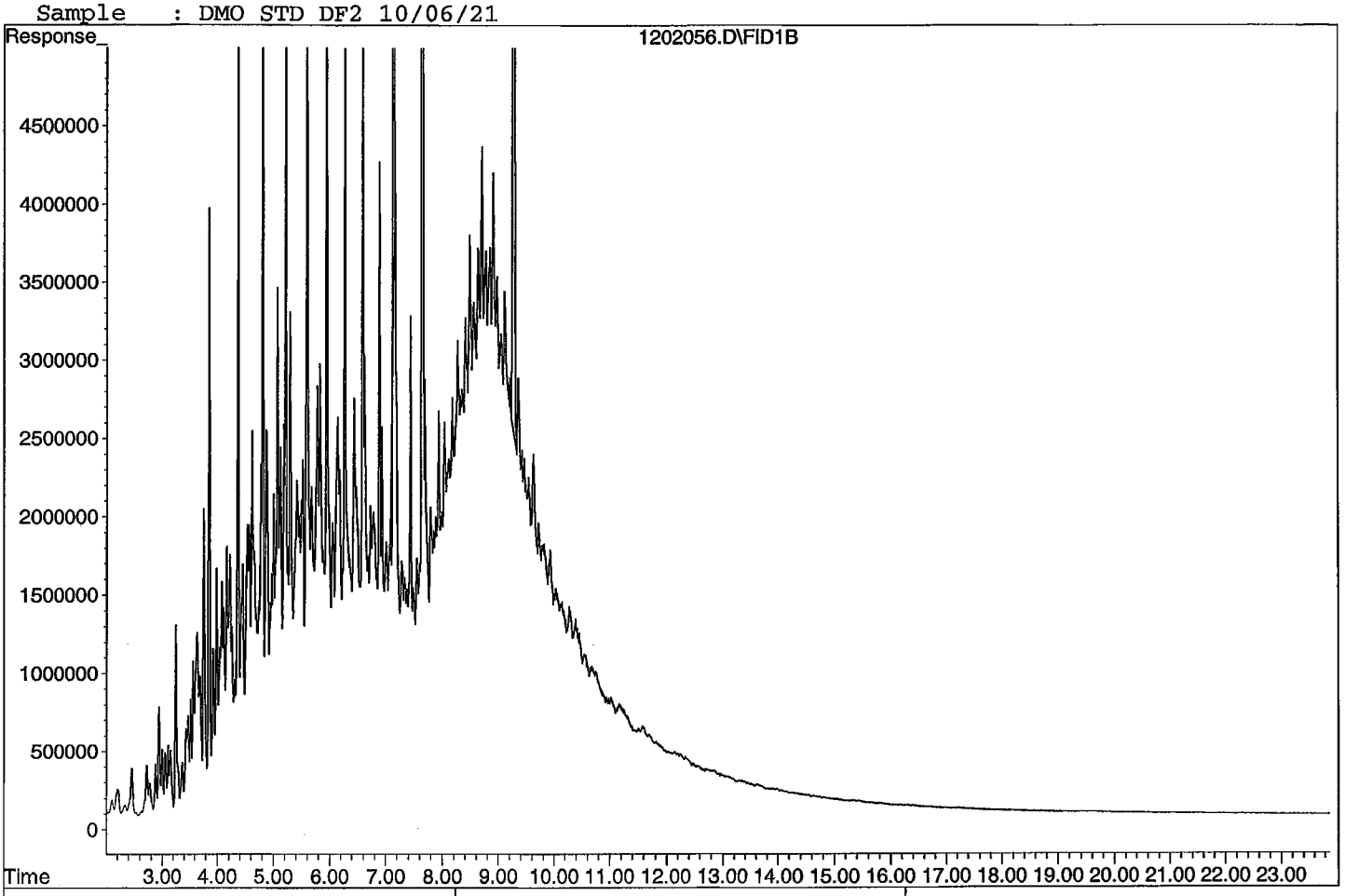
Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
3) SA Ortho-Terphenyl(S)	7.14	228361958	36.509	ppb
Surrogate Spike 30.000		Recovery =	121.70%	
4) SA Octacosane(S)	9.27	251339066	55.571	ppb
Surrogate Spike 30.000		Recovery =	185.24%	
Target Compounds				
1) HATM Diesel (C10-C24)	6.15	5514299430	1095.555	ppb
2) HBTM Motor Oil (C24-C40)	12.97	3960094721	1157.457	ppb

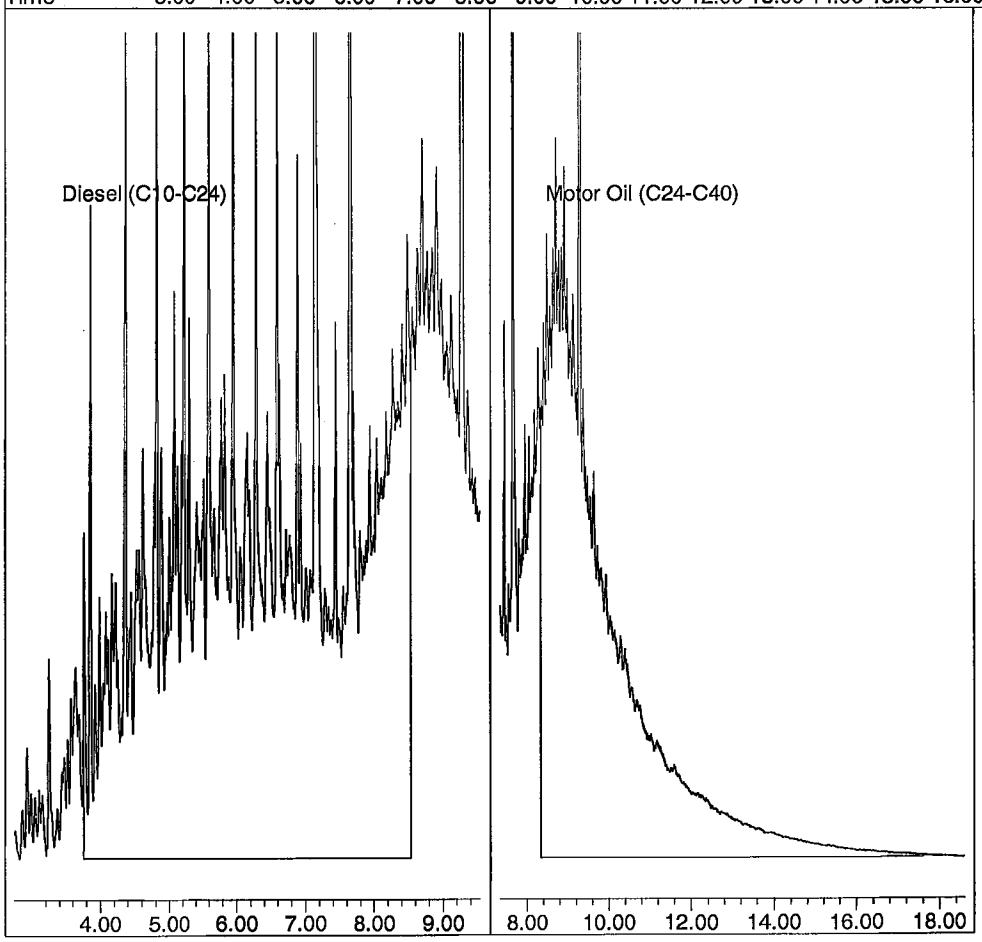
Target Compounds

(f)=RT Delta > 1/2 Window

(m)=manual int.
1202056.D DOC1028.M Thu Dec 30 14:38:32 2021

Data File: G:\APOLLO\DATA\211202\1202056.D
Sample : DMO STD DF2 10/06/21





ORGANICS
Raw Data

Quantitation Report (QT Reviewed)

Data File : G:\APOLLO\DATA\211202\1202050.D Vial: 50
Acq On : 12-3-21 13:13:58 Operator: KA
Sample : BA46975W01 5/1000 Inst : Apollo
Misc : water Multiplr: 5.00
IntFile : events.e
Quant Time: Dec 11 19:34 2021 Quant Results File: DOC1028.RES

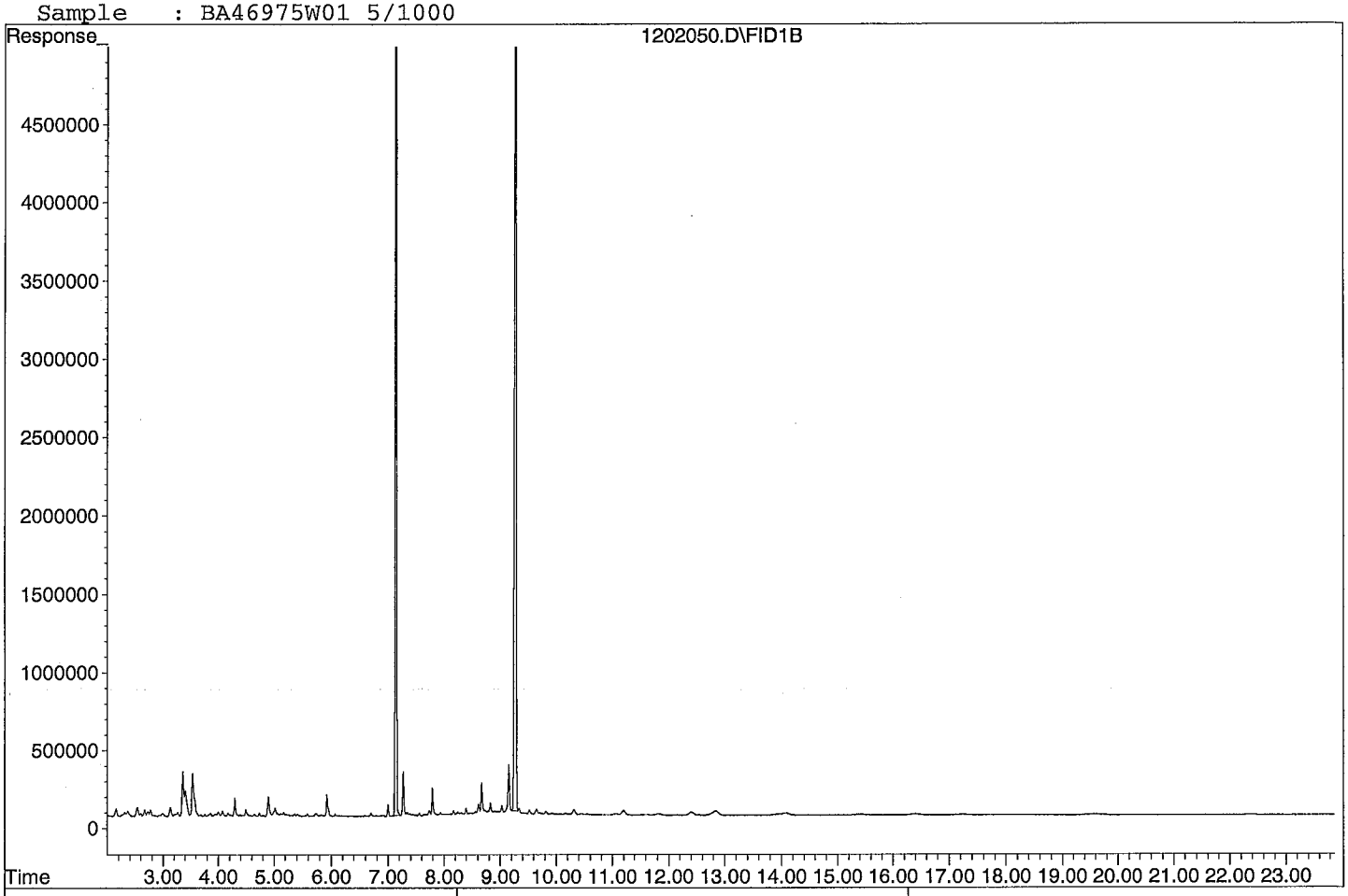
Method : G:\APOLLO\DATA\211202\DOC1028.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Fri Dec 03 08:22:29 2021
Response via : Multiple Level Calibration

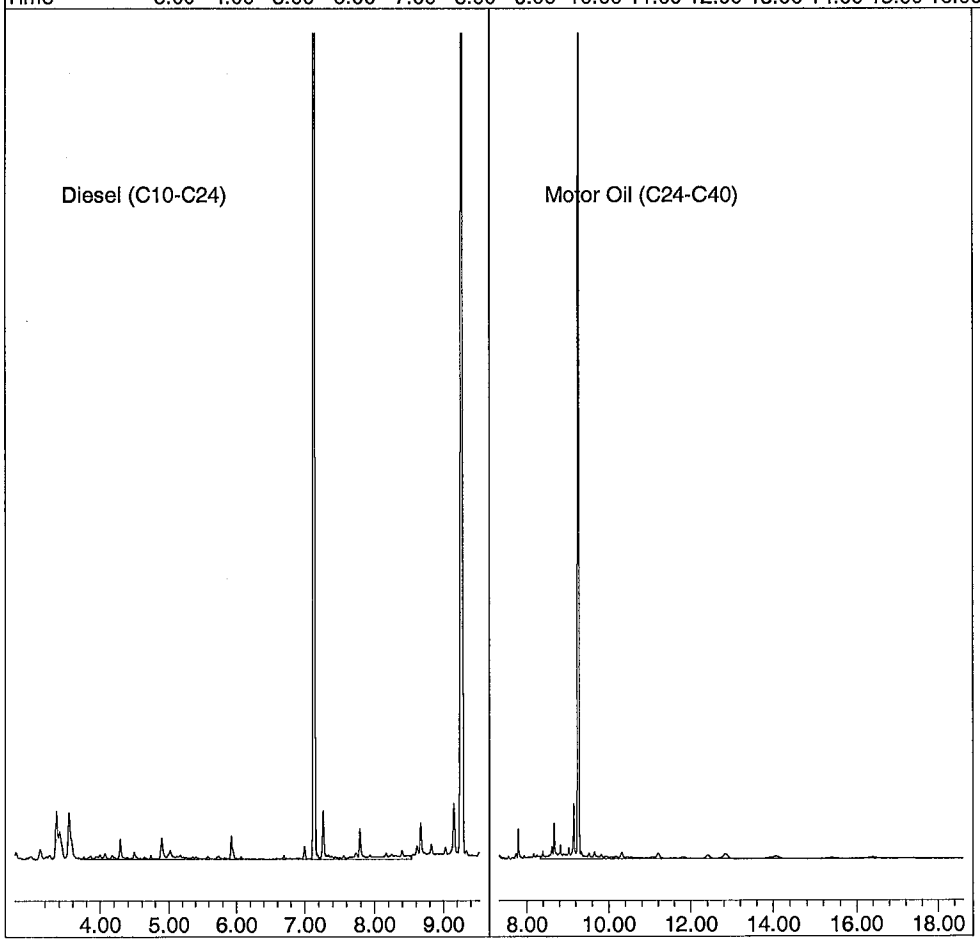
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.14	152573444	121.961 ppb
Surrogate Spike 150.000		Recovery =	81.31%
4) SA Octacosane(S)	9.27	137877108	152.423 ppb
Surrogate Spike 150.000		Recovery =	101.62%
Target Compounds			
1) HATM Diesel (C10-C24)	6.15	44010766	43.719 ppb
2) HBTM Motor Oil (C24-C40)	12.97	56179576	32.443 ppb

Target Compounds

Data File: G:\APOLLO\DATA\211202\1202050.D
Sample : BA46975W01 5/1000





Quantitation Report (QT Reviewed)

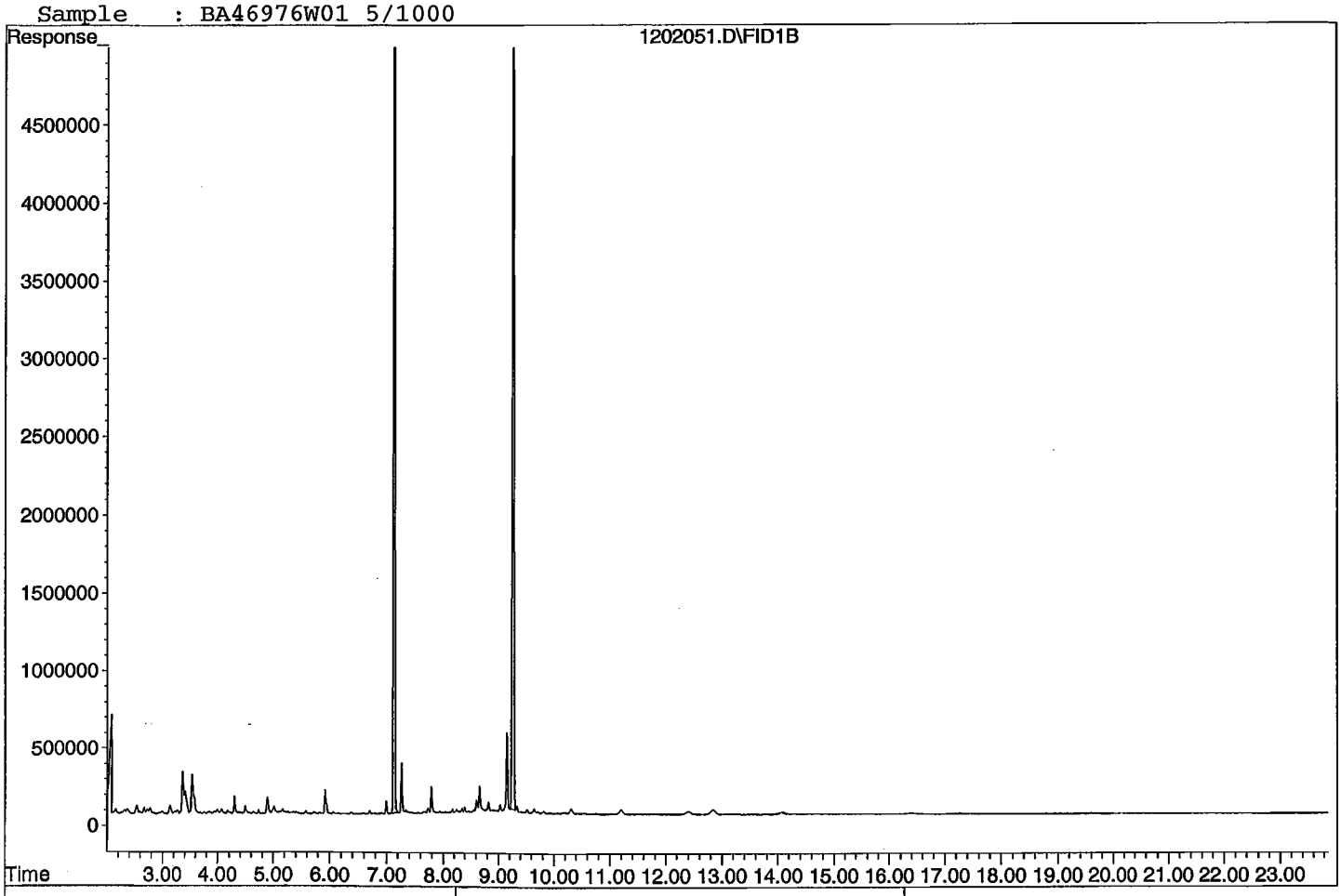
Data File : G:\APOLLO\DATA\211202\1202051.D Vial: 51
Acq On : 12-3-21 13:42:23 Operator: KA
Sample : BA46976W01 5/1000 Inst : Apollo
Misc : water Multiplr: 5.00
IntFile : events.e
Quant Time: Dec 11 19:35 2021 Quant Results File: DOC1028.RES

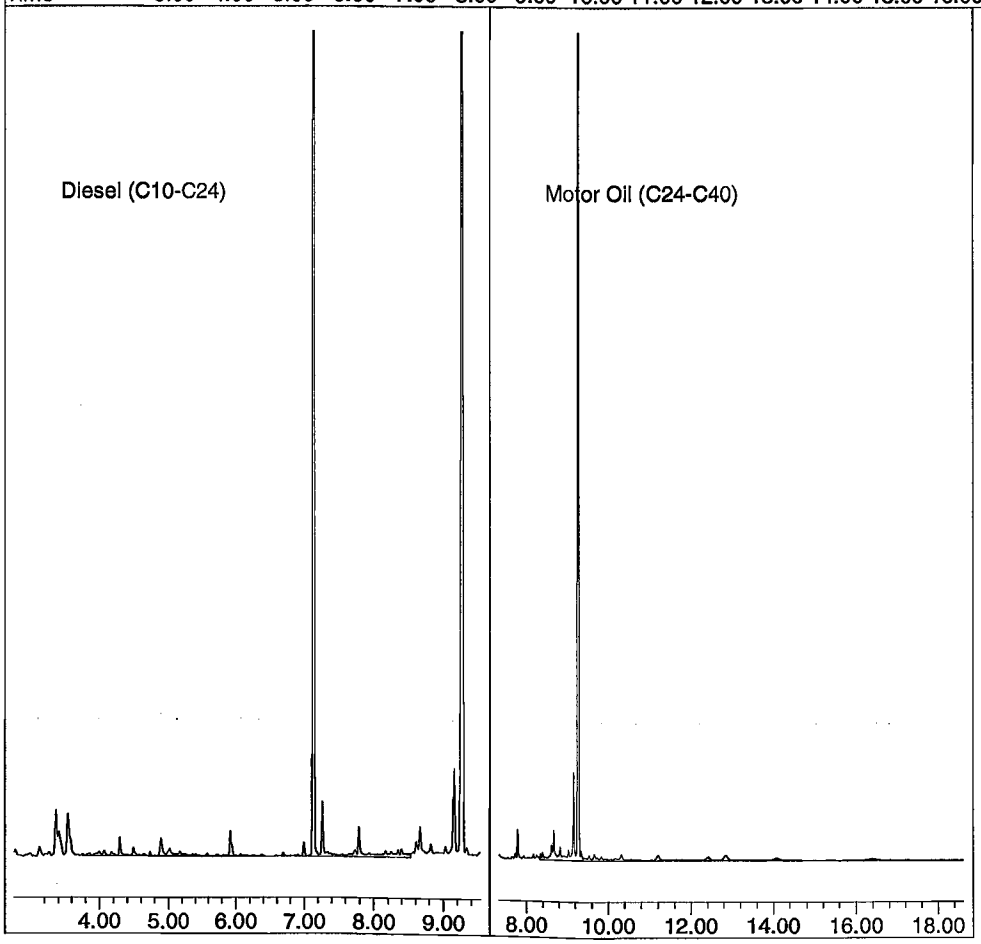
Method : G:\APOLLO\DATA\211202\DOC1028.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Fri Dec 03 08:22:29 2021
Response via : Multiple Level Calibration

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

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.13	143133755	114.415 ppb
Surrogate Spike 150.000		Recovery =	76.28%
4) SA Octacosane(S)	9.26	129611951	143.286 ppb
Surrogate Spike 150.000		Recovery =	95.52%
Target Compounds			
1) HATM Diesel (C10-C24)	6.15	44414905	44.121 ppb
2) HBTM Motor Oil (C24-C40)	12.97	59984220	38.051 ppb
Target Compounds			

Data File: G:\APOLLO\DATA\211202\1202051.D
Sample : BA46976W01 5/1000





Quantitation Report (QT Reviewed)

Data File : G:\APOLLO\DATA\211202\1202052.D Vial: 52
Acq On : 12-3-21 14:10:47 Operator: KA
Sample : BA46977W01 5/1000 Inst : Apollo
Misc : water Multiplr: 5.00
IntFile : events.e
Quant Time: Dec 11 19:35 2021 Quant Results File: DOC1028.RES

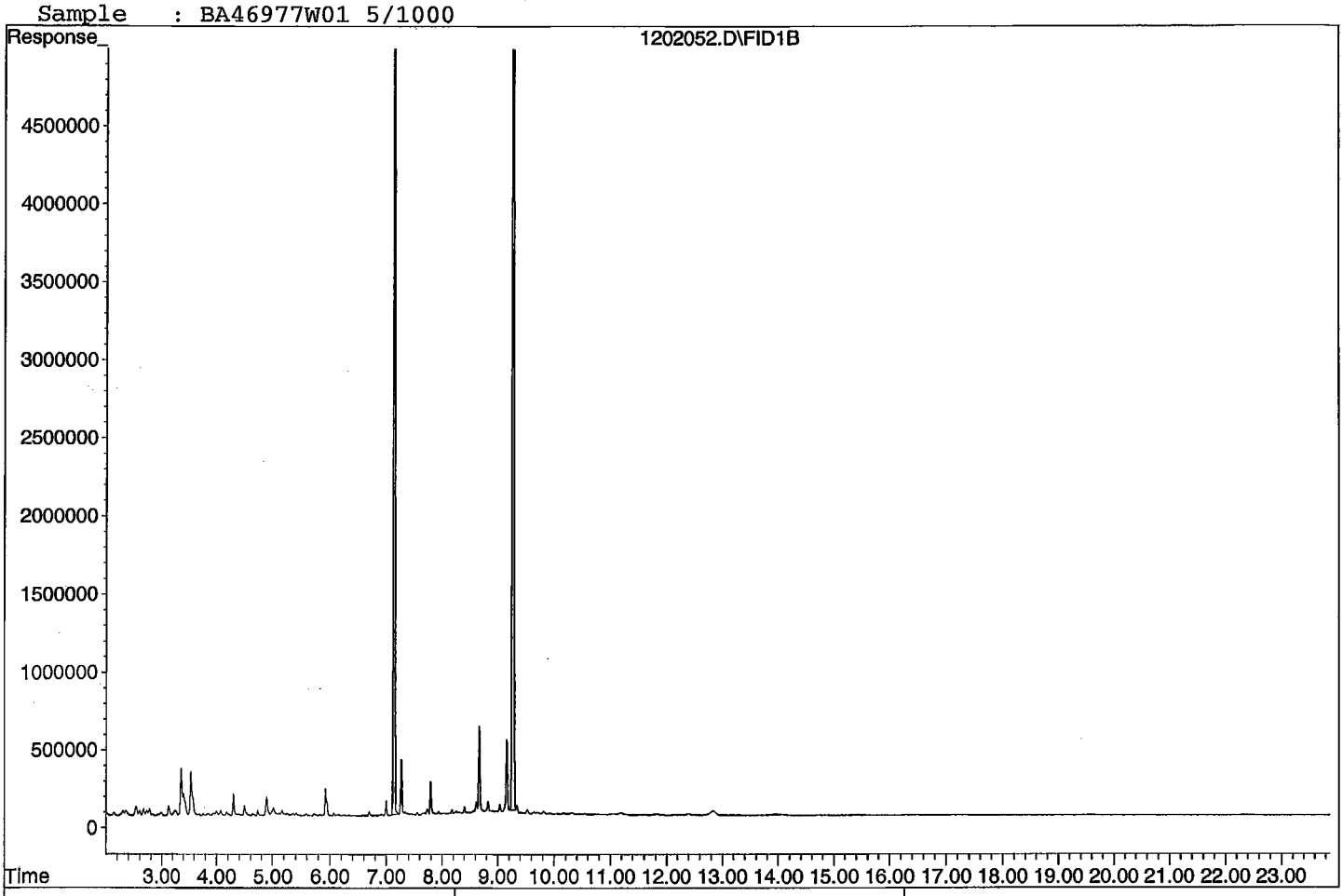
Method : G:\APOLLO\DATA\211202\DOC1028.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Fri Dec 03 08:22:29 2021
Response via : Multiple Level Calibration

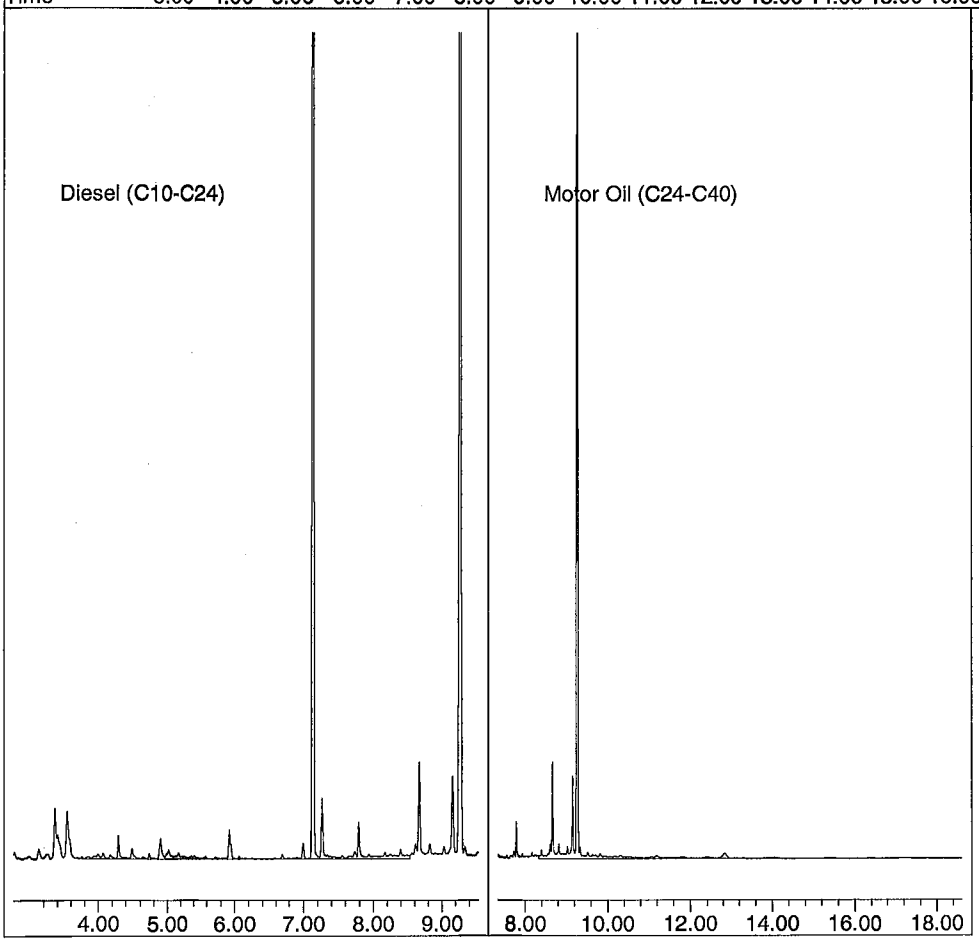
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.13	161156960	128.822 ppb
Surrogate Spike 150.000		Recovery =	85.88%
4) SA Octacosane(S)	9.27	146713789	162.192 ppb
Surrogate Spike 150.000		Recovery =	108.13%
Target Compounds			
1) HATM Diesel (C10-C24)	6.15	49058399	48.733 ppb
2) HBTM Motor Oil (C24-C40)	12.97	67189180	48.672 ppb
Target Compounds			

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

Data File: G:\APOLLO\DATA\211202\1202052.D
Sample : BA46977W01 5/1000





Quantitation Report (QT Reviewed)

Data File : G:\APOLLO\DATA\211202\1202047.D Vial: 47
Acq On : 12-3-21 11:48:57 Operator: KA
Sample : 211130A BLK 5/1000 Inst : Apollo
Misc : water Multiplr: 5.00
IntFile : events.e
Quant Time: Dec 11 19:31 2021 Quant Results File: DOC1028.RES

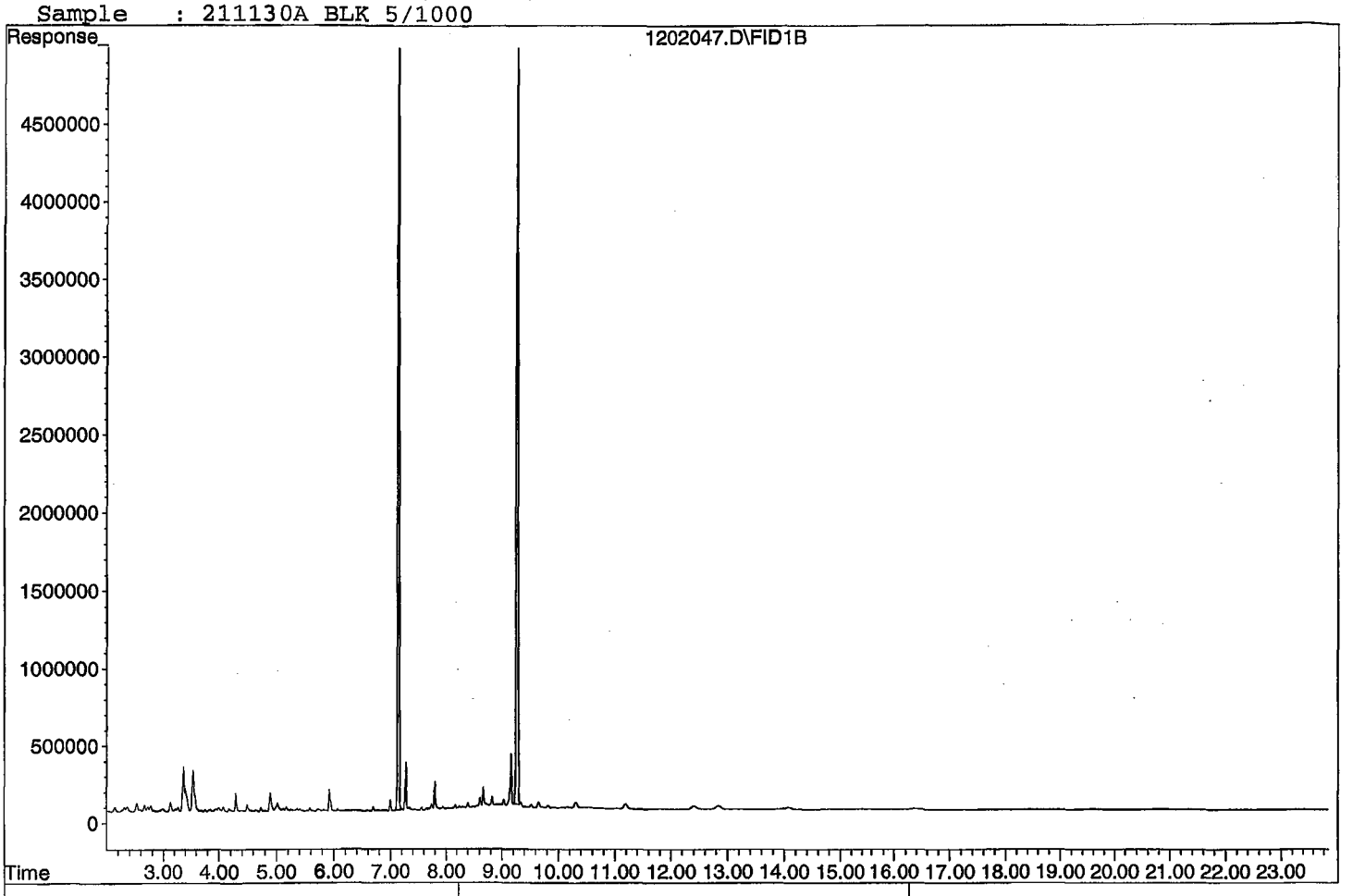
Method : G:\APOLLO\DATA\211202\DOC1028.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Fri Dec 03 08:22:29 2021
Response via : Multiple Level Calibration

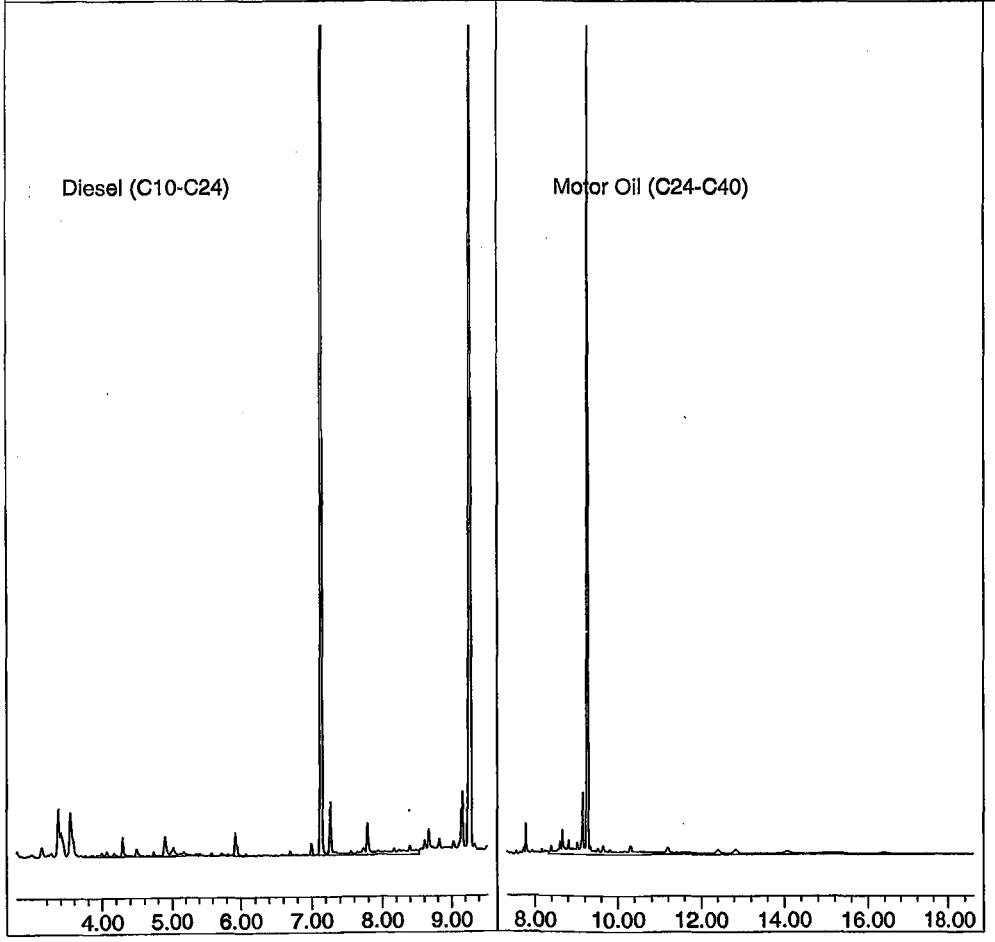
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.14	140858308	112.596 ppb
Surrogate Spike 150.000		Recovery =	75.06%
4) SA Octacosane(S)	9.26	128558729	142.121 ppb
Surrogate Spike 150.000		Recovery =	94.75%
Target Compounds			
1) HATM Diesel (C10-C24)	6.15	45287245	44.987 ppb
2) HBTM Motor Oil (C24-C40)	12.97	85288585	75.353 ppb

Target Compounds

Data File: G:\APOLLO\DATA\211202\1202047.D
Sample : 211130A BLK 5/1000





Quantitation Report (QT Reviewed)

Data File : G:\APOLLO\DATA\211202\1202048.D Vial: 48
Acq On : 12-3-21 12:17:14 Operator: KA
Sample : 211130A LCS-1 5/1000 Inst : Apollo
Misc : water Multiplr: 5.00
IntFile : events.e
Quant Time: Dec 11 19:34 2021 Quant Results File: DOC1028.RES

Method : G:\APOLLO\DATA\211202\DOC1028.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Fri Dec 03 08:22:29 2021
Response via : Multiple Level Calibration

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

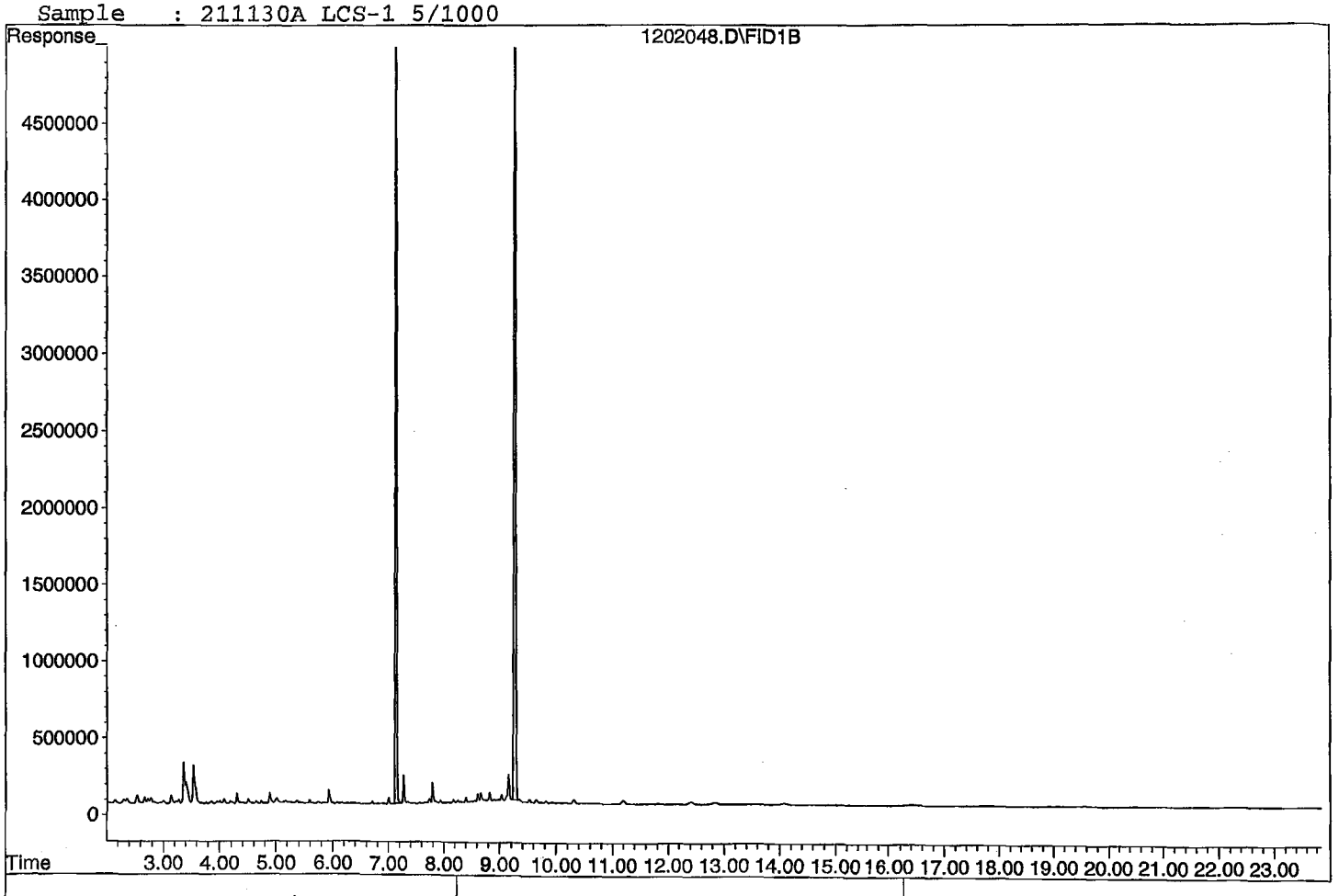
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.13	136452413	109.074 ppb
Surrogate Spike 150.000		Recovery =	72.72%
4) SA Octacosane(S)	9.27	123875284	136.944 ppb
Surrogate Spike 150.000		Recovery =	91.30%
Target Compounds			
1) HATM Diesel (C10-C24)	6.15	34069201	33.844 ppb
2) HBTM Motor Oil (C24-C40)	12.97	65959266	46.859 ppb
Target Compounds			

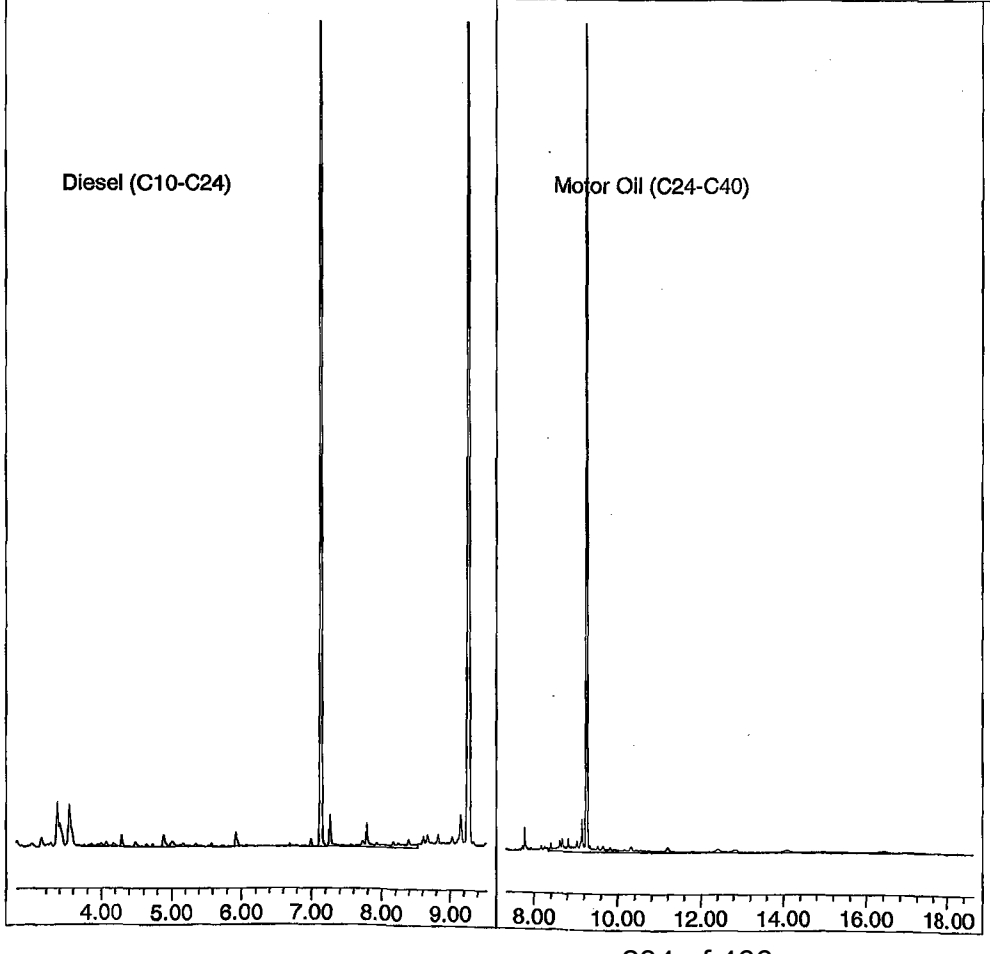
Diesel:

$$\frac{(34069201)(5)}{(25166\,69)(2)} = \frac{170346005}{5033338} = \boxed{33.844}$$

(f)=RT Delta > 1/2 Window
1202048.D DOC1028.M Thu Dec 30 14:38:21 2021 (m)=manual int.

Data File: G:\APOLLO\DATA\211202\1202048.D
Sample : 211130A LCS-1 5/1000





Quantitation Report (QT Reviewed)

Data File : G:\APOLLO\DATA\211202\1202049.D Vial: 49
Acq On : 12-3-21 12:45:35 Operator: KA
Sample : 211130A LCSD-1 5/1000 Inst : Apollo
Misc : water Multiplr: 5.00
IntFile : events.e
Quant Time: Dec 11 19:34 2021 Quant Results File: DOC1028.RES

Method : G:\APOLLO\DATA\211202\DOC1028.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Fri Dec 03 08:22:29 2021
Response via : Multiple Level Calibration

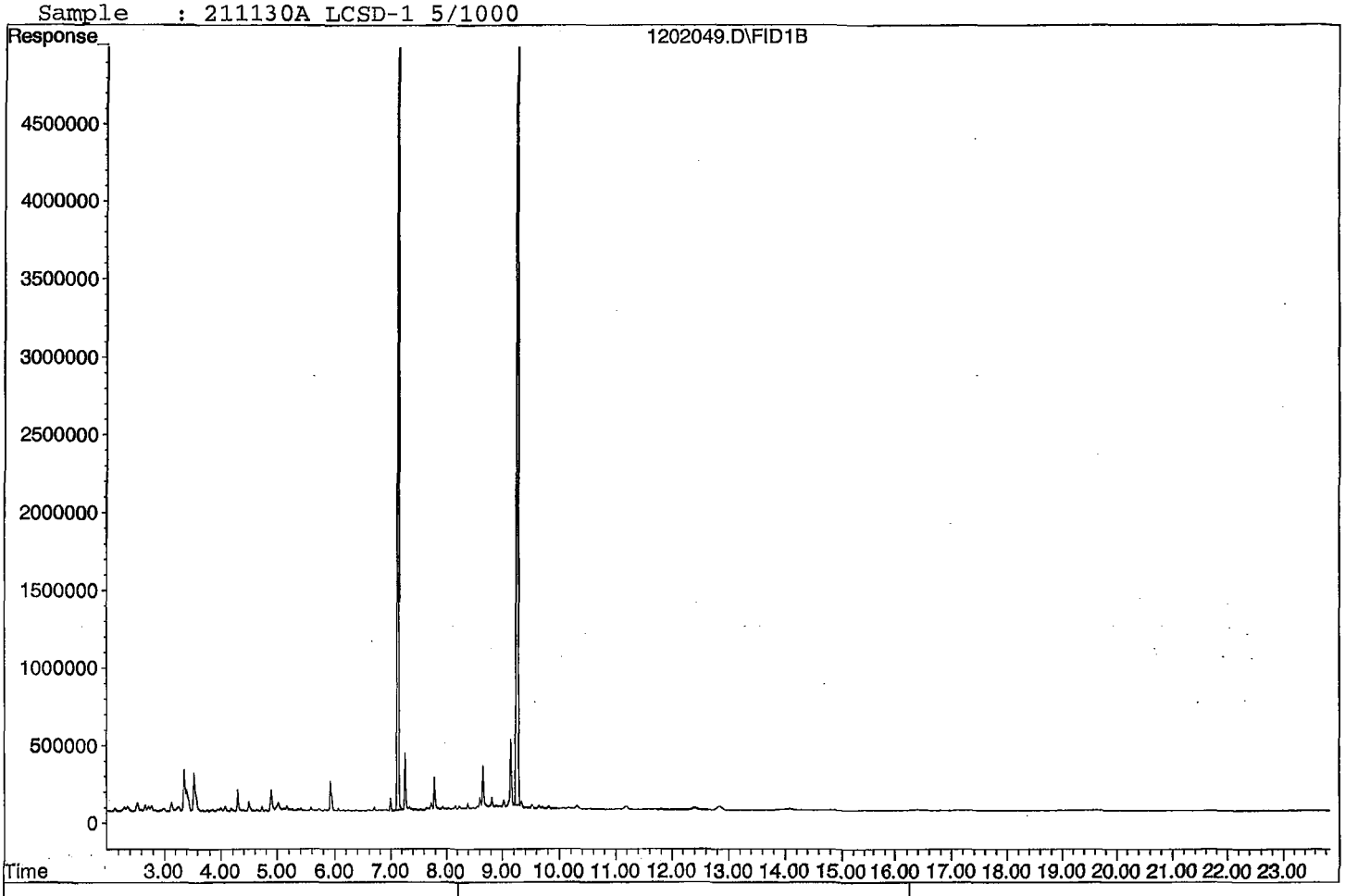
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

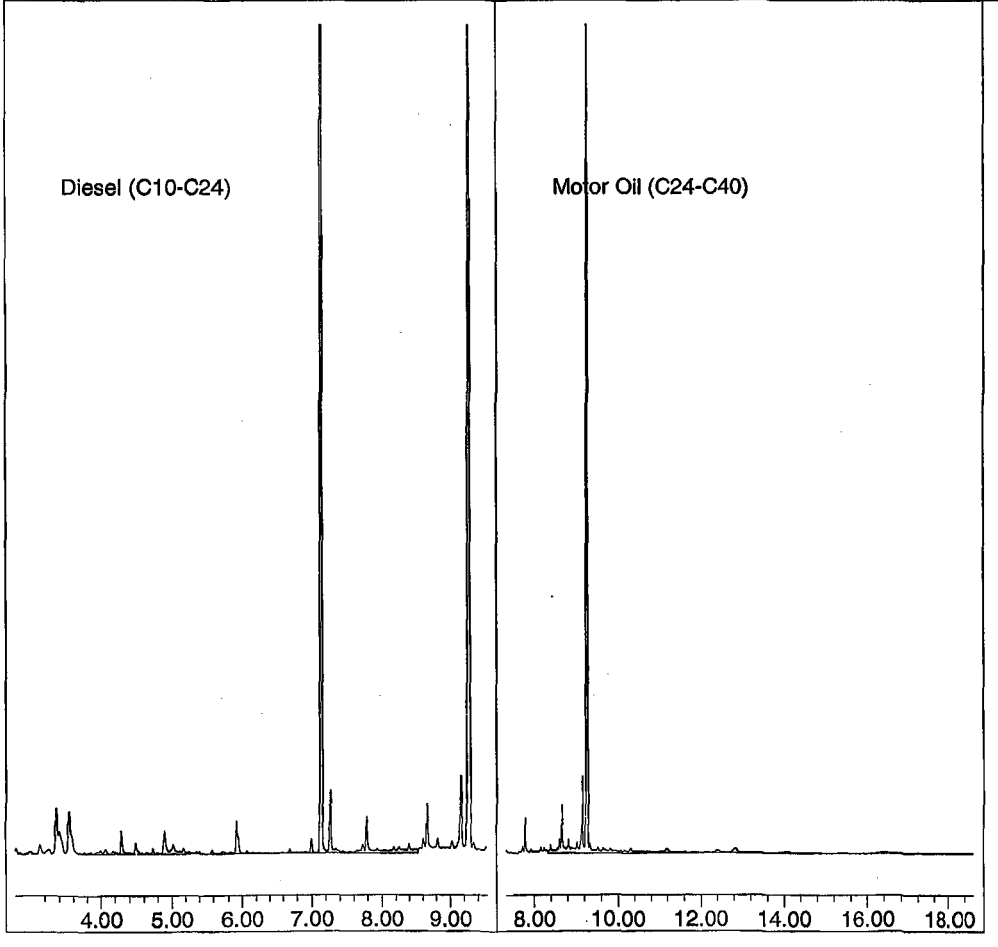
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.14	145666832	116.440 ppb
Surrogate Spike 150.000		Recovery =	77.63%
4) SA Octacosane(S)	9.26	132090207	146.025 ppb
Surrogate Spike 150.000		Recovery =	97.35%
Target Compounds			
1) HATM Diesel (C10-C24)	6.15	47501112	47.186 ppb
2) HBTM Motor Oil (C24-C40)	12.97	62616929	41.932 ppb

Target Compounds

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

Data File: G:\APOLLO\DATA\211202\1202049.D
Sample : 211130A LCSD-1 5/1000





Diesel / Motor Oil Calibration Curve

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

Prepared By (Initials): KA

Initial Standard Information							Final Standard			
Name of Initial Standard (QAU Label)	Supplier	Conc. (ug/mL)	APPL Mix Name	Reference to APPL Prep Date and Lot #'s	Exp. Date	Exp. Date (Manufacturer)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/mL)
Diesel / Motor Oil - 2	APPL	10	Diesel / Motor Oil - 1	Perp'd: 10/6/21 A0164485-52822, A0168842-52820, AO166510-52817 CL16893-52835	**See man. Exp date**	**10/31/2027 12/31/2027 5/31/2026**	100uL	200uL	MC	5
Diesel / Motor Oil - 3		50	Diesel / Motor Oil - 2				200uL	1mL	MC	10
Diesel / Motor Oil Calibration STD	Restek	2,000	Diesel / Motor Oil - 3				25uL	1mL	MC	50
			Diesel / Motor Oil - 4				125uL	1mL	MC	250
			Diesel / Motor Oil - 5				500uL	1mL	MC	1000
			Diesel / Motor Oil - 6				750uL	1mL	MC	1500
			Diesel / Motor Oil - 7				100uL	100uL	N/A	2,000

Diesel / Motor Oil Second Source

Prepared: 10/28/2021
Expires: 10/28/2024
Methylene Chloride Lot No. 61117

Prepared By (Initials): KA

Initial Standard Information							Final Standard			
Name of Initial Standard (QAU Label)	Supplier	Supplier Part No.	Conc. (ug/mL)	Lot Number - QA Number	Exp. Date (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 : 10/6/2021

Expires: 5/31/2026

Prepared By (Initials): KA

Methylene Chloride Lot No. 61117

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

THC Surrogate

Prepared: 11/23/2021 **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	**CL16893-53204**	**See ma. Date**	**5/31/2026**	N/A	N/A	N/A	600

_LIQ005

Organic Extraction Worksheet

Method	Continuous Liq/Liq TPH-Diesel/MO 3520C	Extraction Set	211130A	Extraction Method	LIQ005	Units	mL

Spiked ID 1		Surrogate ID 1	THC Surrogate 11-23-21 11-23-21		
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:	11/30/21 11:50		
Spiked ID 8		Ext. End Time:	12/01/21 7:09		
		GC Requires Extract By:			

pH1	2	11/30/21 9:00	Water Bath Temp 1 °C	43/42.1 °C
pH2			Water Bath Temp 2 °C	39/40.1
pH3			Water Bath Temp 3 °C	37/36.5 °C

Spiked By: SR **Date** 11/30/2021 **Witnessed By:** CG **Date** 11/30/2021

	Sample	Sample Container	Spike Amount	Spike ID	Surrogate Amount	Surrogate ID	Extract Amount	Final Volume	pH	Extract Date/Time	Comments
1	211130A Blk				0.250	1	1000	5	2	11/30/21 9:09	
						equip	E-HP3 E-WB1				
2	211130A LCS-1				0.250	1	1000	5	2	11/30/21 9:09	
						equip	E-HP4 E-WB2				
3	211130A LCSD-1				0.250	1	1000	5	2	11/30/21 9:09	
						equip	E-HP6 E-WB3				
4	BA46975	BA46975W01			0.250	1	1000	5	2	11/30/21 9:09	98336
						equip	E-HP7 E-WB1				
5	BA46976	BA46976W01			0.250	1	1000	5	2	11/30/21 9:09	98336
						equip	E-HP8 E-WB2				
6	BA46977	BA46977W01			0.250	1	1000	5	2	11/30/21 9:09	98336
						equip	E-HP9 E-WB3				
7	BA46986	BA46986W01			0.250	1	1000	5	2	11/30/21 9:09	98337
						equip	E-HP10 E-WB1				
8	BA46987	BA46987W01			0.250	1	1000	5	2	11/30/21 9:09	98337
						equip	E-HP11 E-WB2				
9	BA46988	BA46988W01			0.250	1	1000	5	2	11/30/21 9:09	98337
						equip	E-HP12 E-WB3				
10	BA46989	BA46989W01			0.250	1	1000	5	2	11/30/21 9:09	98337
						equip	E-HP13 E-WB1				

Solvent and Lot#	
1+1 HCL (5mLs)	60282
PH Strips	HC160347
Dicholormethane	61117
Filter Paper	400202
Sodium Sulfate	2021071206

Extraction COC Transfer	
Extraction lab employee Initials	KY
GC analyst's initials	KA
Date	12/2/21
Time	8:40
Refrigerator	HOBART

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

Modified	12/2/2021 7:41:11 AM

Reviewed By: KY **Date** 12/2/2021

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	39	1202039.D	1	DMO STD DF2 10/06/21	water	12-3-21 8:03:38
10	47	1202047.D	5	211130A BLK 5/1000	water	12-3-21 11:48:57
11	48	1202048.D	5	211130A LCS-1 5/1000	water	12-3-21 12:17:14
12	49	1202049.D	5	211130A LCSD-1 5/1000	water	12-3-21 12:45:35
13	50	1202050.D	5	BA46975W01 5/1000	water	12-3-21 13:13:58
14	51	1202051.D	5	BA46976W01 5/1000	water	12-3-21 13:42:23
15	52	1202052.D	5	BA46977W01 5/1000	water	12-3-21 14:10:47
16	56	1202056.D	1	DMO STD DF2 10/06/21	water	12-3-21 16:05:12

ORGANICS
Calibration Data

PAH by GCMS SIM
EPA 8270 SIM

Form 6
Initial Calibration

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

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

Quantitation Report (Not Reviewed)

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

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

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

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

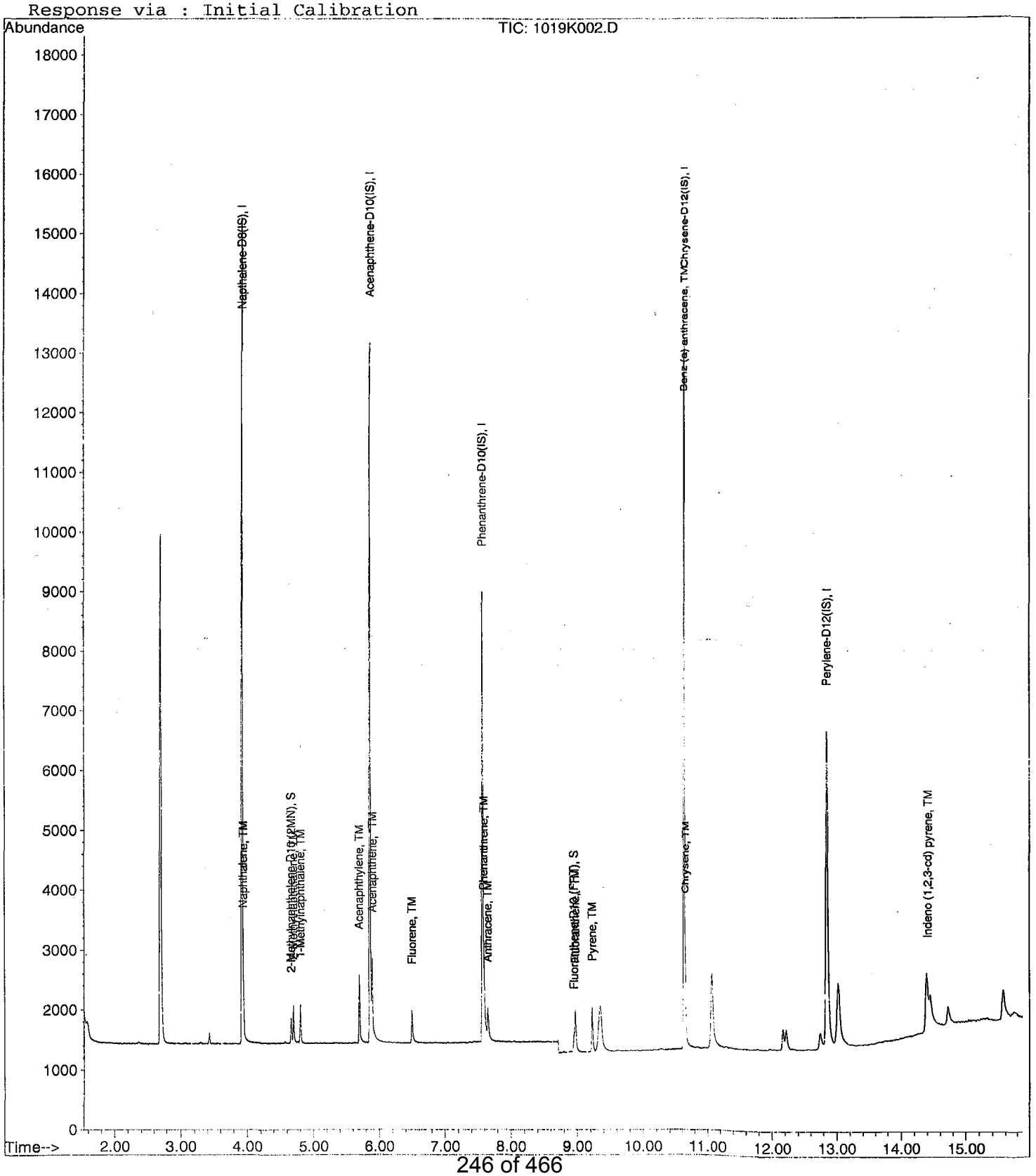
(#) = qualifier out of range (m) = manual integration

Quantitation Report

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

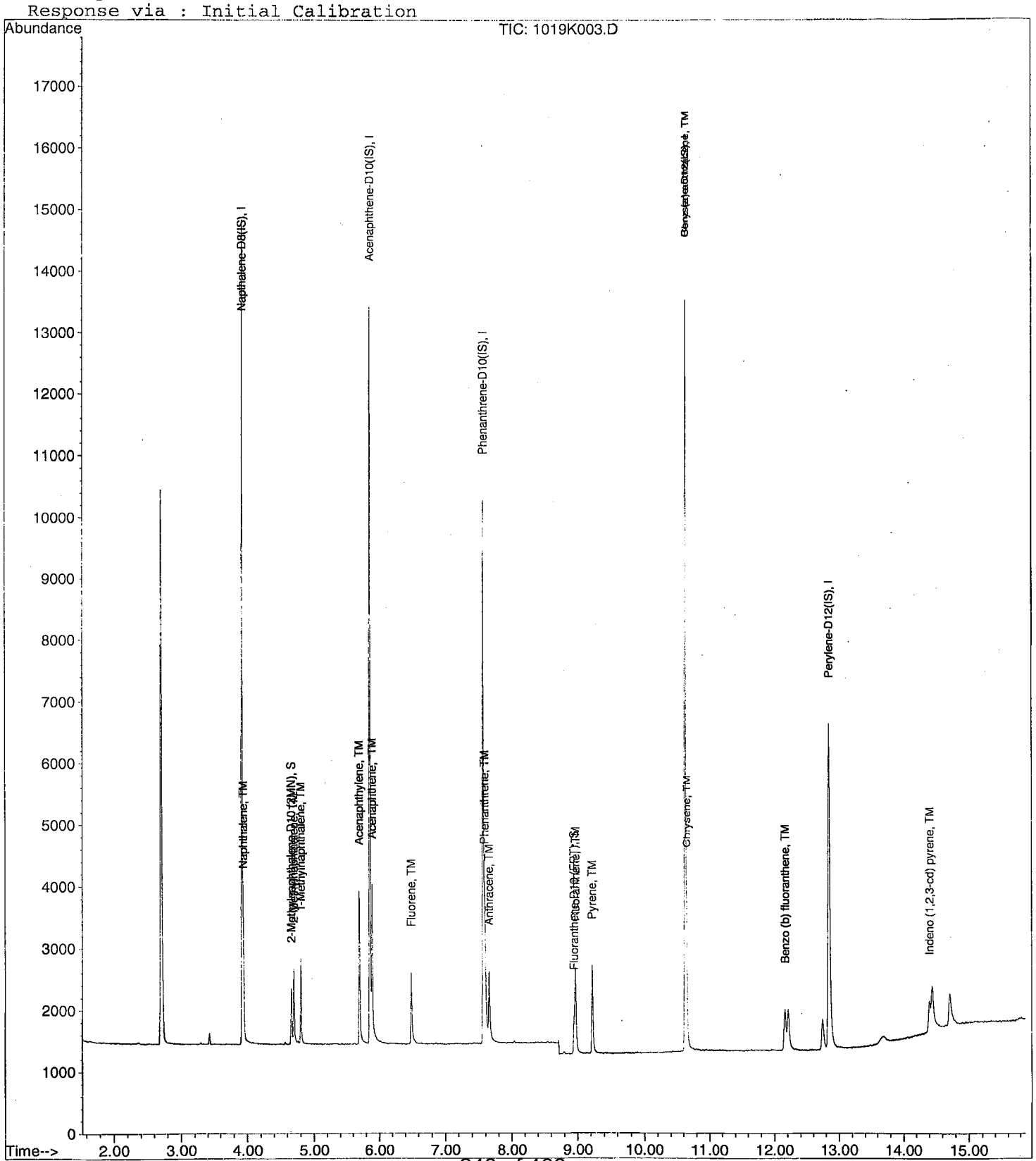
(#) = qualifier out of range (m) = manual integration

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

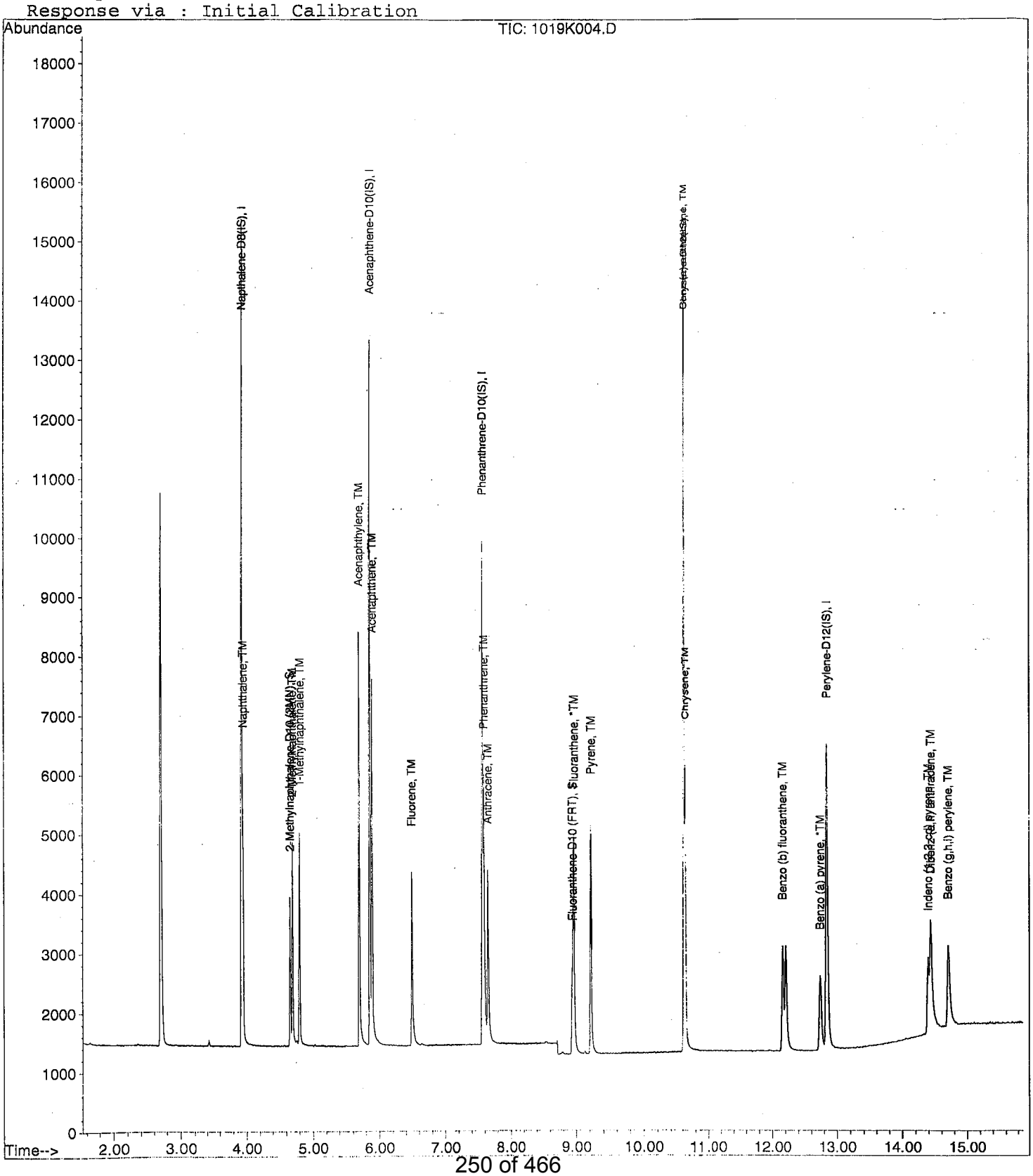
(#) = qualifier out of range (m) = manual integration

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



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

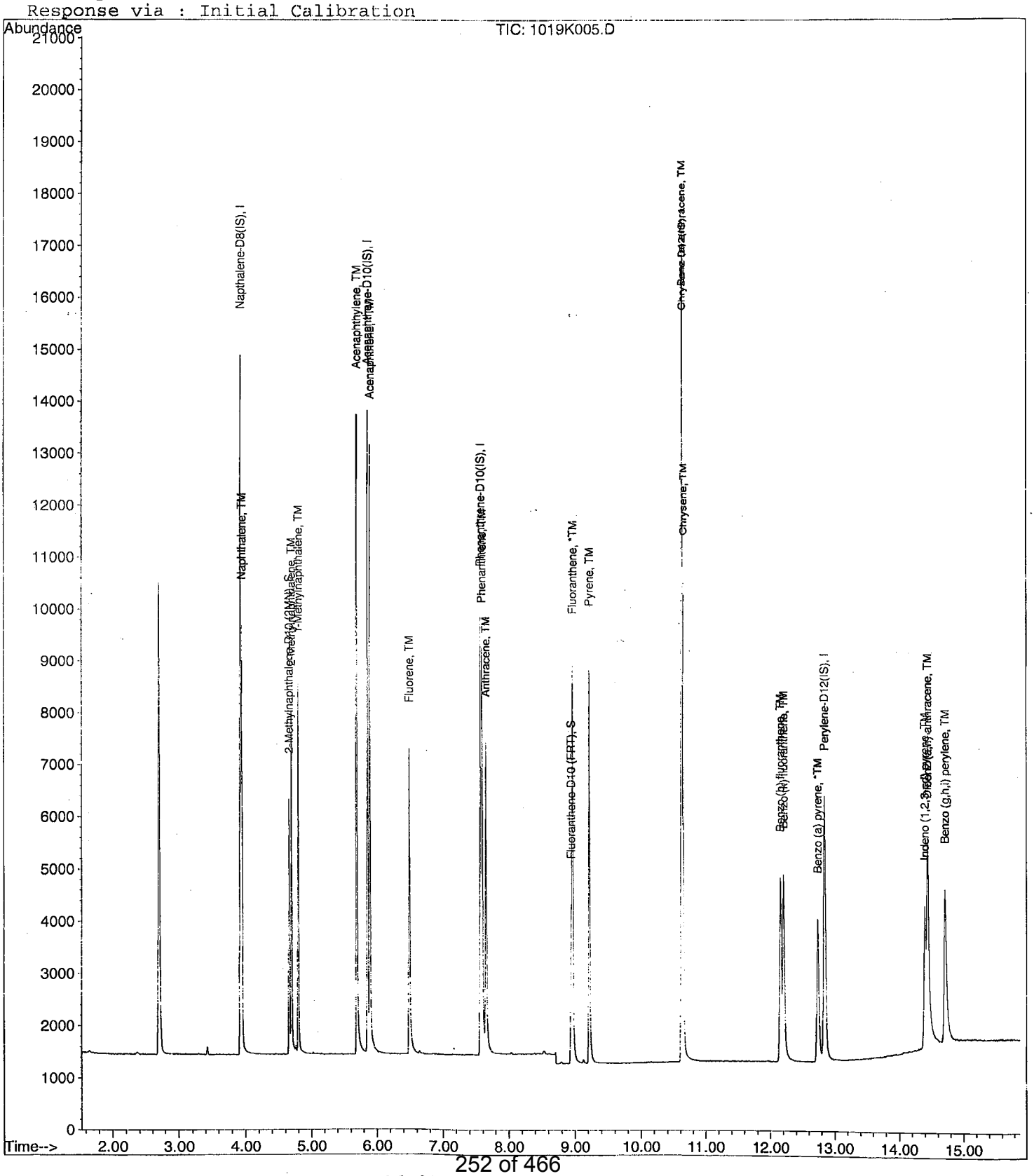
(#) = qualifier out of range (m) = manual integration

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

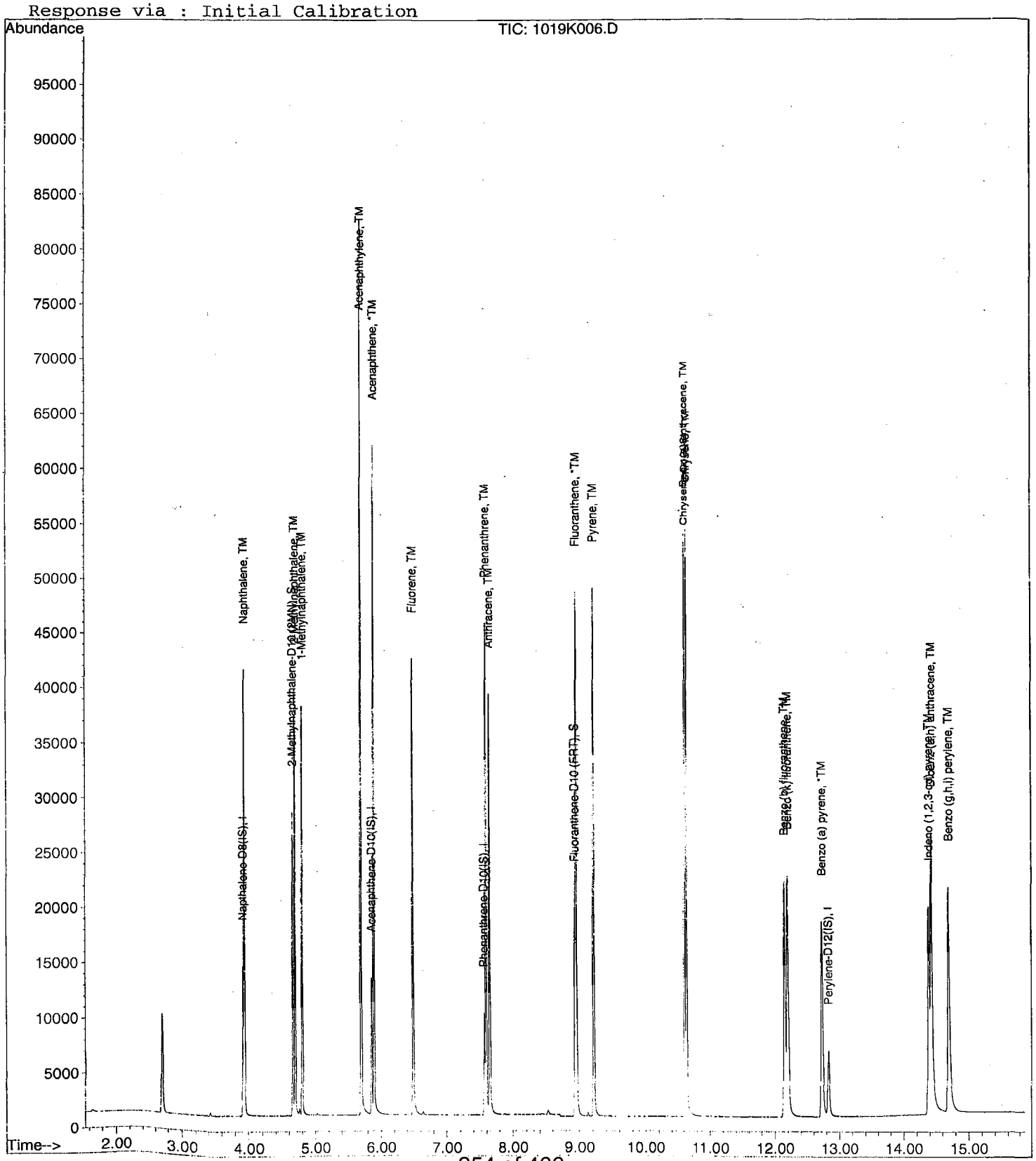
Quantitation Report

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

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

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

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



Quantitation Report (Not Reviewed)

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

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

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

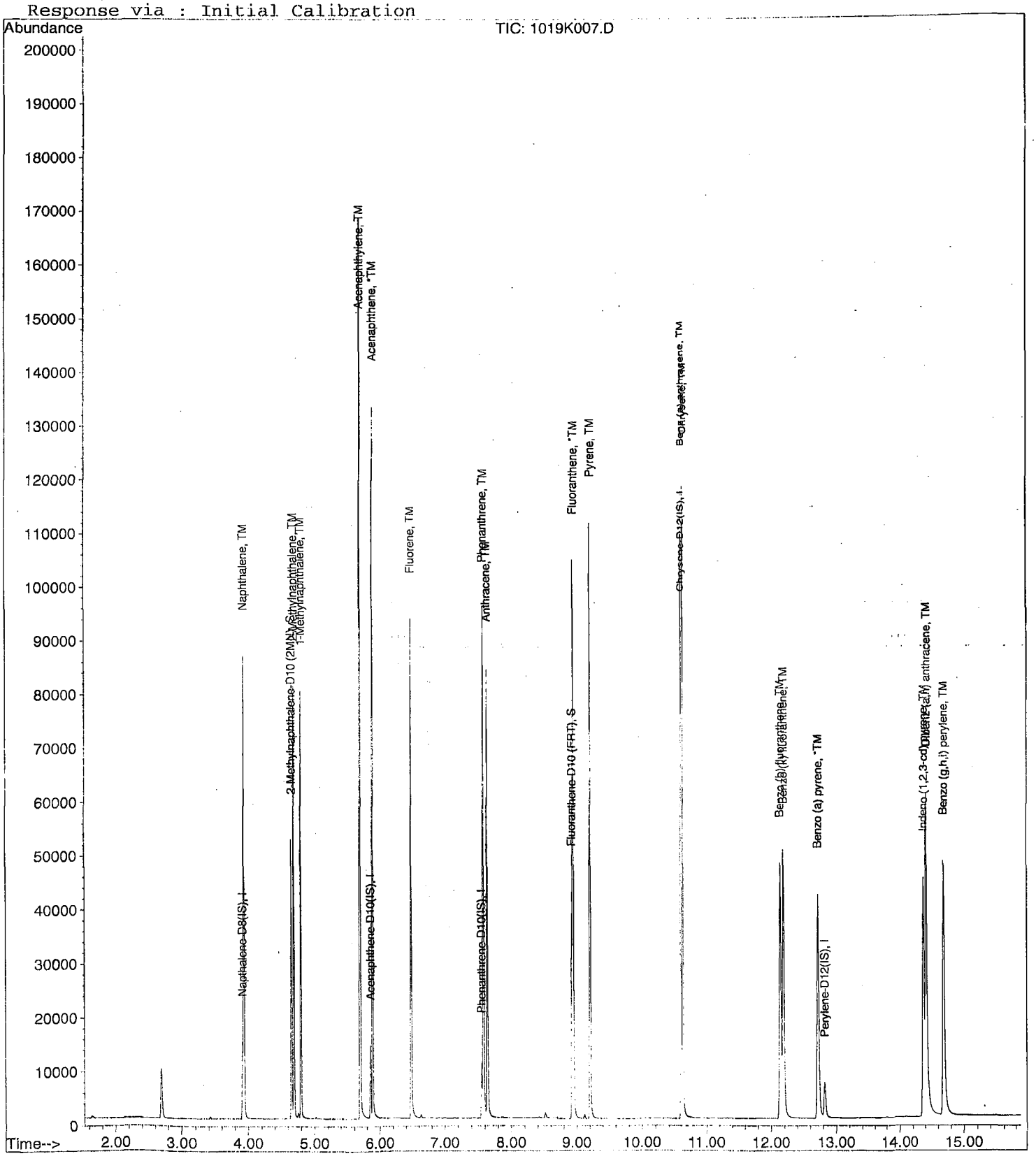
Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
1) Napthalene-D8(IS)	3.92	136	11510	2.50000 ppb		0.00
6) Acenaphthene-D10(IS)	5.86	164	5675	2.50000 ppb		0.00
10) Phenanthrene-D10(IS)	7.56	188	8972	2.50000 ppb		0.00
15) Chrysene-D12(IS)	10.62	240	10664	2.50000 ppb		0.00
20) Perylene-D12(IS)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

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

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

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

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



Quantitation Report (Not Reviewed)

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

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

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

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

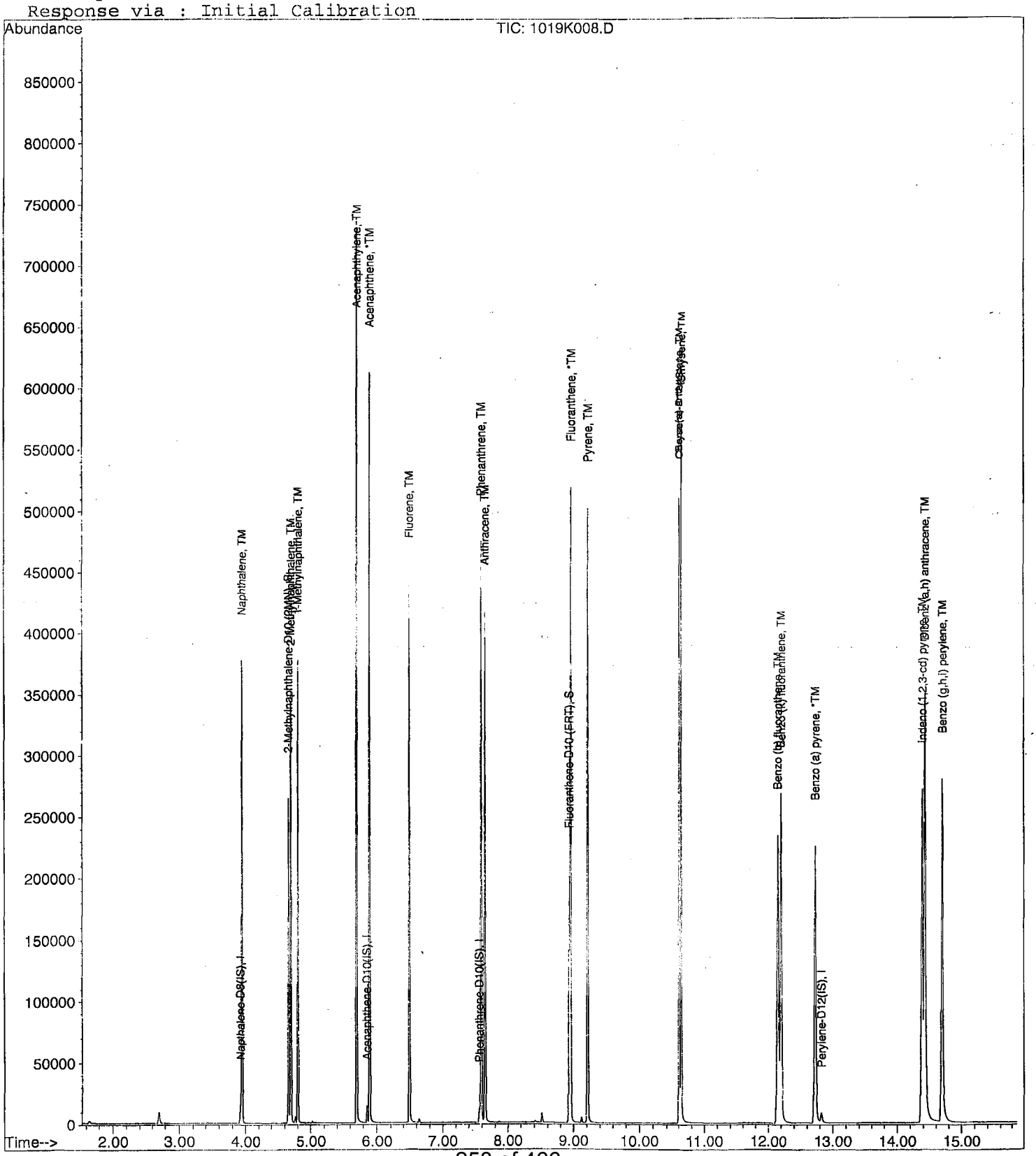
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\KYLO\DATA\211019\1019K008.D 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

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

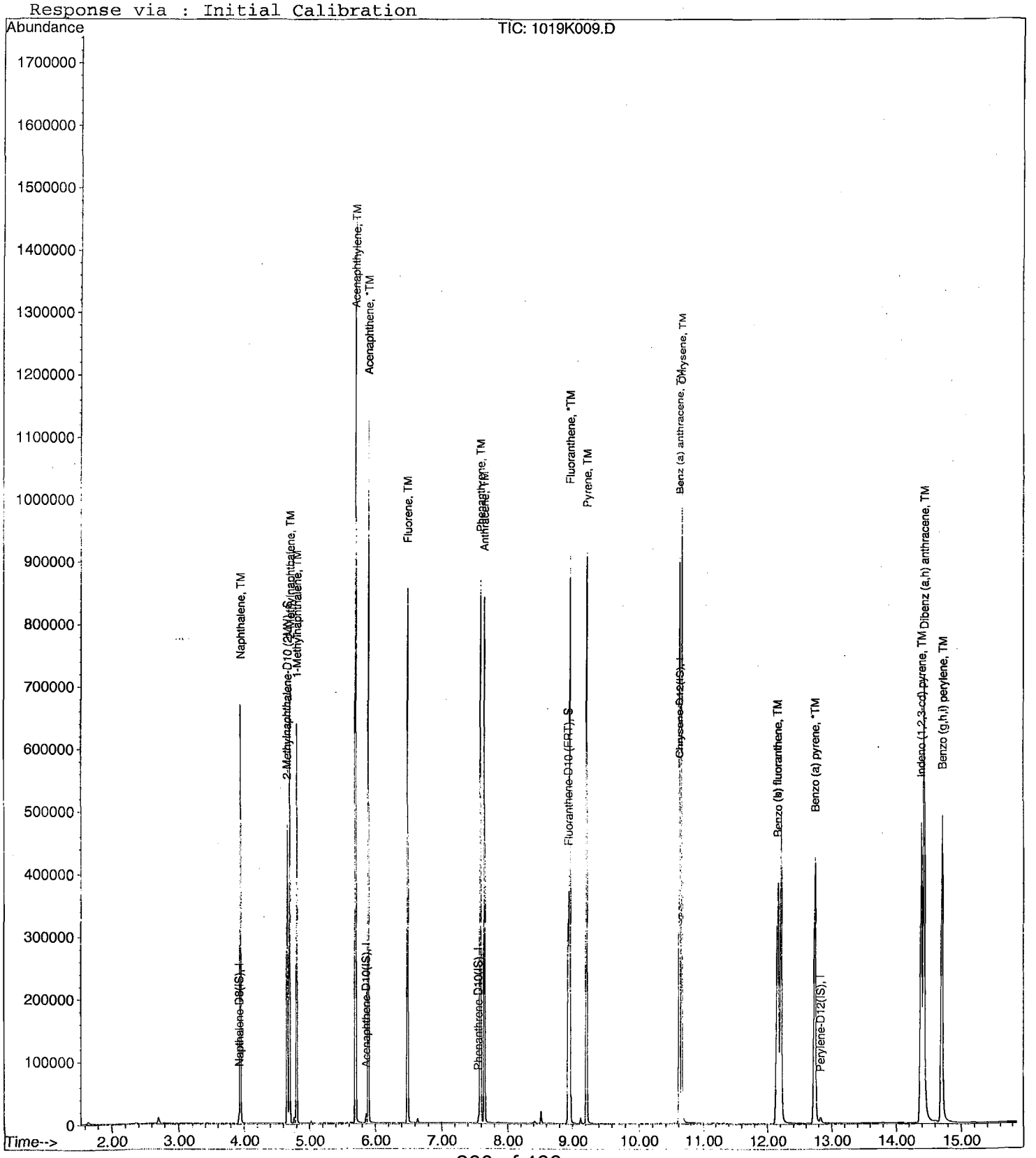
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Napthalene-D8(IS)	3.92	136	11679	2.50000 ppb	0.00
6) Acenaphthene-D10(IS)	5.86	164	5877	2.50000 ppb	0.00
10) Phenanthrene-D10(IS)	7.56	188	9024	2.50000 ppb	0.00
15) Chrysene-D12(IS)	10.63	240	10469	2.50000 ppb	0.01
20) Perylene-D12(IS)	12.83	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

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

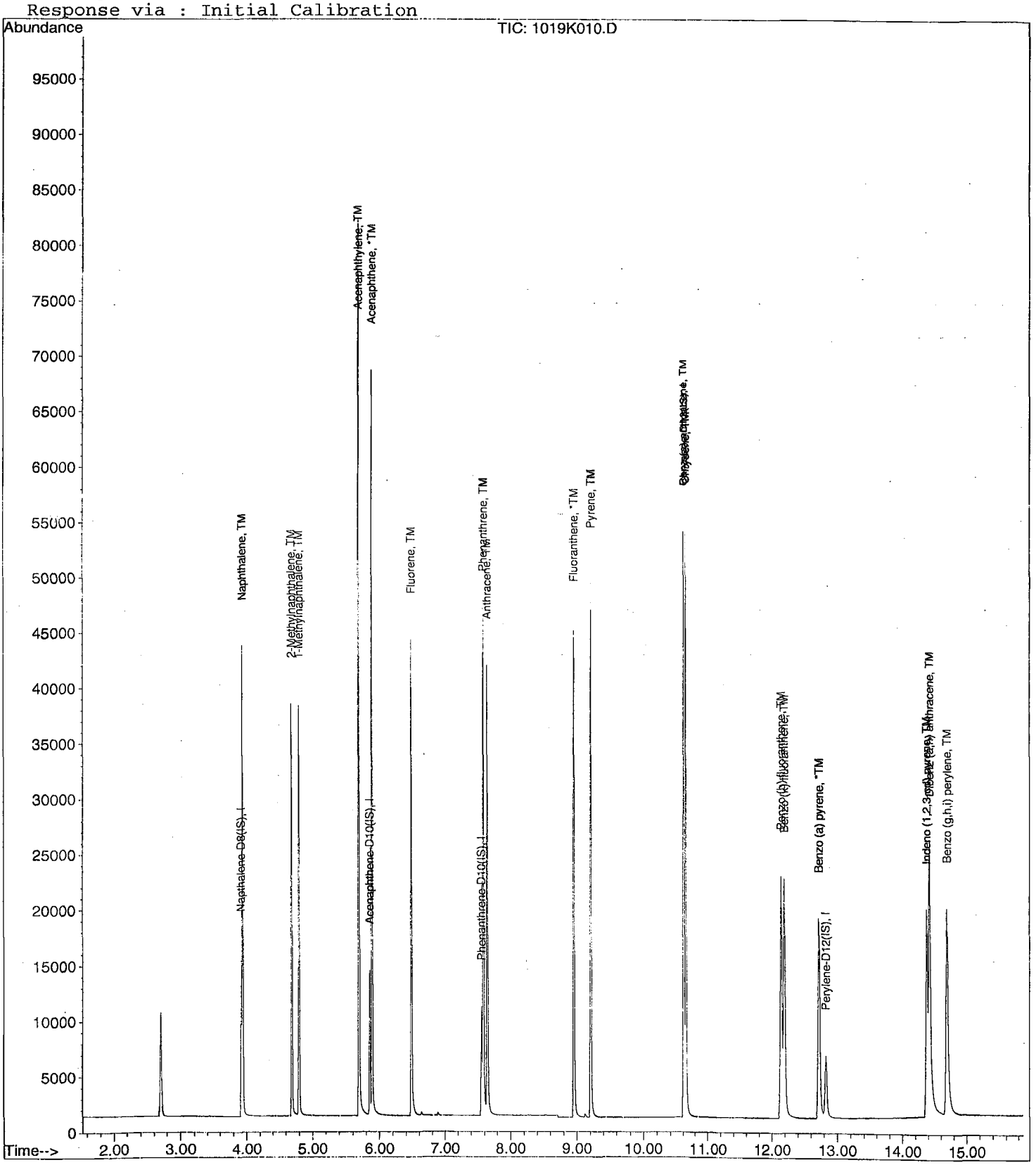
(#) = qualifier out of range (m) = manual integration

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: 1 Dec 21 10:08
Instrument: KYLO
Initial Cal. Date: 10/19/2021
Data File: 1124K060.D

		Compound	MEAN	CCRF	%D		%Drift
1	I	Napthalene-D8(IS)	ISTD			I	
2	TM	Naphthalene	1.299	1.317	1.4	TM	
3	S	2-Methylnaphthalene-D10 (2MN)	1.277	1.172	8.2	S	
4	TM	2-Methylnaphthalene	0.7611	0.7940	4.3	TM	
5	TM	1-Methylnaphthalene	0.7681	0.7954	3.5	TM	
6	I	Acenaphthene-D10(IS)	ISTD			I	
7	TM	Acenaphthylene	5.176	5.533	6.9	TM	
8	*TM	Acenaphthene	1.371	1.434	4.6	*TM	
9	TM	Fluorene	1.589	1.666	4.9	TM	
10	I	Phenanthrene-D10(IS)	ISTD			I	
11	TM	Phenanthrene	1.376	1.458	6.0	TM	
12	TM	Anthracene	1.299	1.413	8.8	TM	
13	S	Fluoranthene-D10 (FRT)	1.949	2.025	3.9	S	
14	*TM	Fluoranthene	2.137	2.388	12	*TM	
15	I	Chrysene-D12(IS)	ISTD			I	
16	TM	Pyrene	1.914	2.018	5.4	TM	
17	TM	Benz (a) anthracene	1.401	1.438	2.6	TM	
18	TM	Chrysene	1.558	1.595	2.4	TM	
19	TML	Indeno (1,2,3-cd) pyrene	1.272	1.162	8.7	TML	3.1
20	I	Perylene-D12(IS)	ISTD			I	
21	TM	Benzo (b) fluoranthene	1.408	1.522	8.1	TM	
22	TM	Benzo (k) fluoranthene	1.610	1.613	0.19	TM	
23	*TM	Benzo (a) pyrene	1.341	1.470	9.7	*TM	
24	TM	Dibenz (a,h) anthracene	1.326	1.345	1.4	TM	
25	TM	Benzo (g,h,i) perylene	1.443	1.471	1.9	TM	
26							
27							
28							
29							
30							
31							
32							
33							
34							
35							
36							
37							
38							
39							
40							
		Average			5.2		

Quantitation Report (Not Reviewed)

Data File : M:\KYLO\DATA\211124\1124K060.D Vial: 60
Acq On : 1 Dec 21 10:08 Operator: LS
Sample : 5 ug/ml 10/19/21 (2) Inst : KYLO
Misc : Multiplr: 1.00

Quant Time: Dec 1 10:24 2021 Quant Results File: K1019.RES

Quant Method : M:\KYLO\DATA\211124\K1019.M (RTE Integrator)
Title : EPA 8270
Last Update : Mon Nov 29 09:02:10 2021
Response via : Initial Calibration
DataAcq Meth : SIM_2

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Napthalene-D8(IS)	3.86	136	10556	2.50000 ppb	0.00
6) Acenaphthene-D10(IS)	5.79	164	5012	2.50000 ppb	-0.07
10) Phenanthrene-D10(IS)	7.49	188	7449	2.50000 ppb	-0.06
15) Chrysene-D12(IS)	10.54	240	9092	2.50000 ppb	-0.07
20) Perylene-D12(IS)	12.71	264	8374	2.50000 ppb	-0.13
System Monitoring Compounds					
3) 2-Methylnaphthalene-D10 (2	4.59	152	12372	2.29515 ppb	0.00
Spiked Amount 5.000			Recovery =	45.900%	
13) Fluoranthene-D10 (FRT)	8.86	212	15083	2.59747 ppb	-0.07
Spiked Amount 5.000			Recovery =	51.940%	
Target Compounds					Qvalue
2) Naphthalene	3.88	128	27802	5.07024 ppb	100
4) 2-Methylnaphthalene	4.63	142	16762	5.21588 ppb #	65
5) 1-Methylnaphthalene	4.74	142	16792	5.17747 ppb	85
7) Acenaphthylene	5.63	152	55464	5.34534 ppb	99
8) Acenaphthene	5.83	154	14376	5.23085 ppb	98
9) Fluorene	6.42	166	16702	5.24434 ppb	97
11) Phenanthrene	7.52	178	21720	5.29838 ppb	99
12) Anthracene	7.57	178	21056	5.43819 ppb	100
14) Fluoranthene	8.89	202	35572	5.58581 ppb	99
16) Pyrene	9.14	202	36689	5.27041 ppb	99
17) Benz (a) anthracene	10.53	228	26148	5.13107 ppb	99
18) Chrysene	10.57	228	28995	5.11768 ppb	99
19) Indeno (1,2,3-cd) pyrene	14.28	276	21123	5.15536 ppb	97
21) Benzo (b) fluoranthene	12.03	252	25495	5.40602 ppb	98
22) Benzo (k) fluoranthene	12.08	252	27017	5.00965 ppb	98
23) Benzo (a) pyrene	12.60	252	24628	5.48277 ppb	98
24) Dibenz (a,h) anthracene	14.32	278	22522	5.07085 ppb	94
25) Benzo (g,h,i) perylene	14.59	276	24636	5.09689 ppb	95

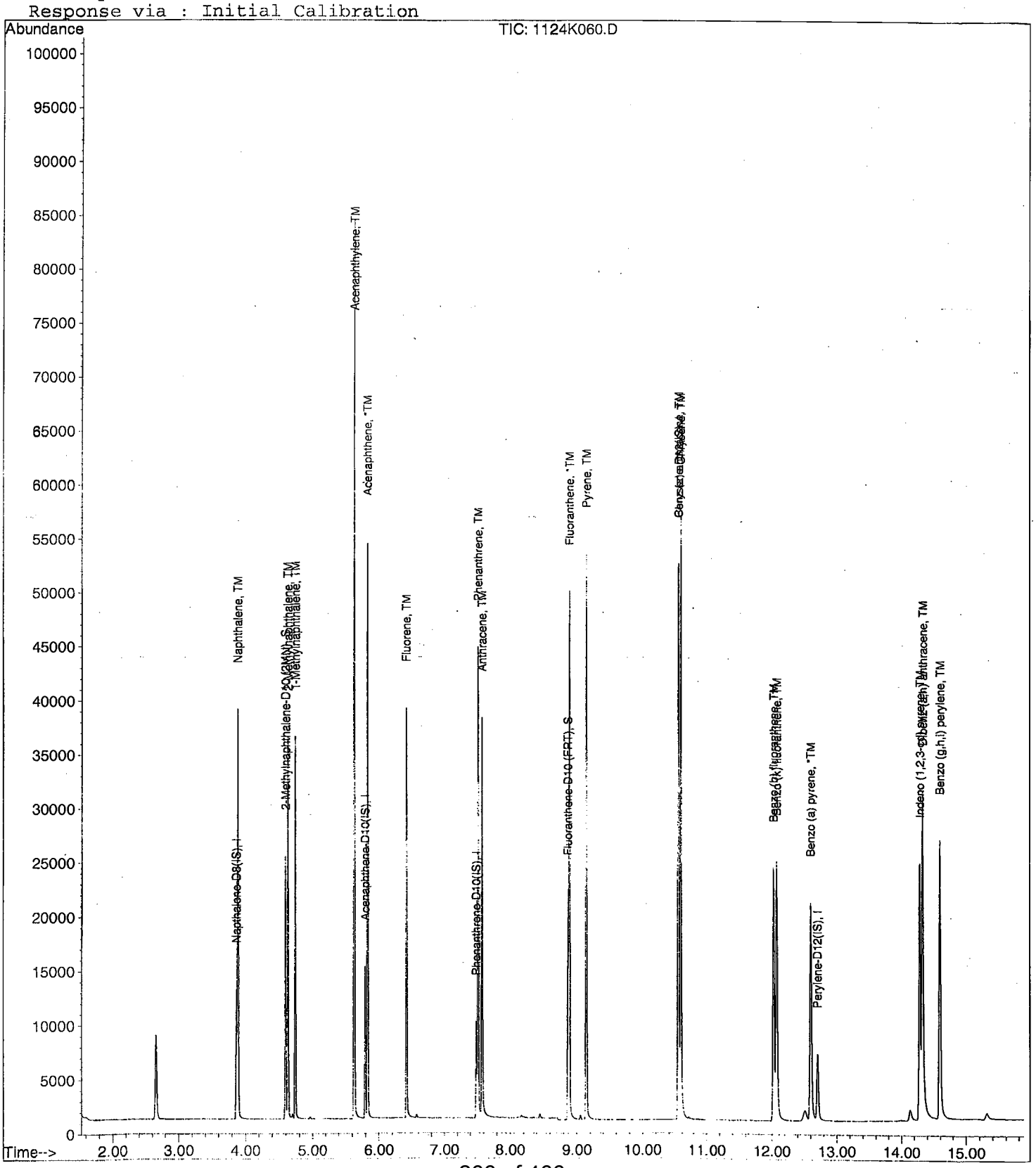
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\KYLO\DATA\211124\1124K060.D Vial: 60
Acq On : 1 Dec 21 10:08 Operator: LS
Sample : 5 ug/ml 10/19/21 (2) Inst : KYLO
Misc : Multiplr: 1.00

Quant Time: Dec 1 10:24 2021 Quant Results File: K1019.RES

Method : M:\KYLO\DATA\211124\K1019.M (RTE Integrator)
Title : EPA 8270
Last Update : Mon Nov 29 09:02:10 2021
Response via : Initial Calibration



PAH by GCMS SIM
EPA 8270 SIM

Form 7

Ending Continuing Calibration

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

SDG No:
Date Analyzed: 1 Dec 21 22:06
Instrument: KYLO
Initial Cal. Date: 10/19/2021
Data File: 1124K096.D

		Compound	MEAN	CCRF	%D	%Drift	
1	I	Napthalene-D8(IS)	ISTD			I	
2	TM	Naphthalene	1.299	1.298	0.08	TM	
3	S	2-Methylnaphthalene-D10 (2MN)	1.277	1.281	0.35	S	
4	TM	2-Methylnaphthalene	0.7611	0.7985	4.9	TM	
5	TM	1-Methylnaphthalene	0.7681	0.8019	4.4	TM	
6	I	Acenaphthene-D10(IS)	ISTD			I	
7	TM	Acenaphthylene	5.176	5.643	9.0	TM	
8	*TM	Acenaphthene	1.371	1.442	5.2	*TM	
9	TM	Fluorene	1.589	1.670	5.1	TM	
10	I	Phenanthrene-D10(IS)	ISTD			I	
11	TM	Phenanthrene	1.376	1.464	6.4	TM	
12	TM	Anthracene	1.299	1.391	7.1	TM	
13	S	Fluoranthene-D10 (FRT)	1.949	1.977	1.5	S	
14	*TM	Fluoranthene	2.137	2.327	8.9	*TM	
15	I	Chrysene-D12(IS)	ISTD			I	
16	TM	Pyrene	1.914	2.037	6.4	TM	
17	TM	Benz (a) anthracene	1.401	1.466	4.6	TM	
18	TM	Chrysene	1.558	1.596	2.4	TM	
19	TML	Indeno (1,2,3-cd) pyrene	1.272	1.065	16	TML	5.2
20	I	Perylene-D12(IS)	ISTD			I	
21	TM	Benzo (b) fluoranthene	1.408	1.582	12	TM	
22	TM	Benzo (k) fluoranthene	1.610	1.670	3.7	TM	
23	*TM	Benzo (a) pyrene	1.341	1.442	7.5	*TM	
24	TM	Dibenz (a,h) anthracene	1.326	1.341	1.1	TM	
25	TM	Benzo (g,h,i) perylene	1.443	1.462	1.3	TM	
26							
27							
28							
29							
30							
31							
32							
33							
34							
35							
36							
37							
38							
39							
40							
		Average			5.4		

Quantitation Report (Not Reviewed)

Data File : M:\KYLO\DATA\211124\1124K096.D Vial: 96
Acq On : 1 Dec 21 22:06 Operator: LS
Sample : 5 ug/ml 10/19/21 (1) Inst : KYLO
Misc : Multiplr: 1.00

Quant Time: Dec 2 8:40 2021 Quant Results File: K1019.RES

Quant Method : M:\KYLO\DATA\211124\K1019.M (RTE Integrator)
Title : EPA 8270
Last Update : Wed Dec 01 13:13:21 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	15373	2.50000	ppb	0.00
6) Acenaphthene-D10(IS)	5.79	164	7614	2.50000	ppb	-0.07
10) Phenanthrene-D10(IS)	7.49	188	11236	2.50000	ppb	-0.06
15) Chrysene-D12(IS)	10.54	240	13098	2.50000	ppb	-0.07
20) Perylene-D12(IS)	12.71	264	11557	2.50000	ppb	-0.13
System Monitoring Compounds						
3) 2-Methylnaphthalene-D10 (2	4.59	152	19695	2.50881	ppb	0.00
Spiked Amount 5.000			Recovery =	50.180%		
13) Fluoranthene-D10 (FRT)	8.86	212	22217	2.53650	ppb	-0.07
Spiked Amount 5.000			Recovery =	50.720%		
Target Compounds						Qvalue
2) Naphthalene	3.88	128	39897	4.99613	ppb	# 84
4) 2-Methylnaphthalene	4.63	142	24552	5.24601	ppb	# 65
5) 1-Methylnaphthalene	4.74	142	24656	5.22009	ppb	87
7) Acenaphthylene	5.63	152	85931	5.45145	ppb	99
8) Acenaphthene	5.83	154	21964	5.26070	ppb	98
9) Fluorene	6.42	166	25433	5.25676	ppb	97
11) Phenanthrene	7.52	178	32891	5.31920	ppb	100
12) Anthracene	7.57	178	31264	5.35315	ppb	99
14) Fluoranthene	8.89	202	52299	5.44449	ppb	99
16) Pyrene	9.14	202	53349	5.31973	ppb	100
17) Benz (a) anthracene	10.53	228	38395	5.22996	ppb	100
18) Chrysene	10.57	228	41808	5.12228	ppb	99
19) Indeno (1,2,3-cd) pyrene	14.28	276	27890	4.74089	ppb	97
21) Benzo (b) fluoranthene	12.03	252	36558	5.61686	ppb	98
22) Benzo (k) fluoranthene	12.08	252	38592	5.18508	ppb	99
23) Benzo (a) pyrene	12.60	252	33322	5.37514	ppb	98
24) Dibenz (a,h) anthracene	14.32	278	30989	5.05556	ppb	94
25) Benzo (g,h,i) perylene	14.59	276	33785	5.06462	ppb	95

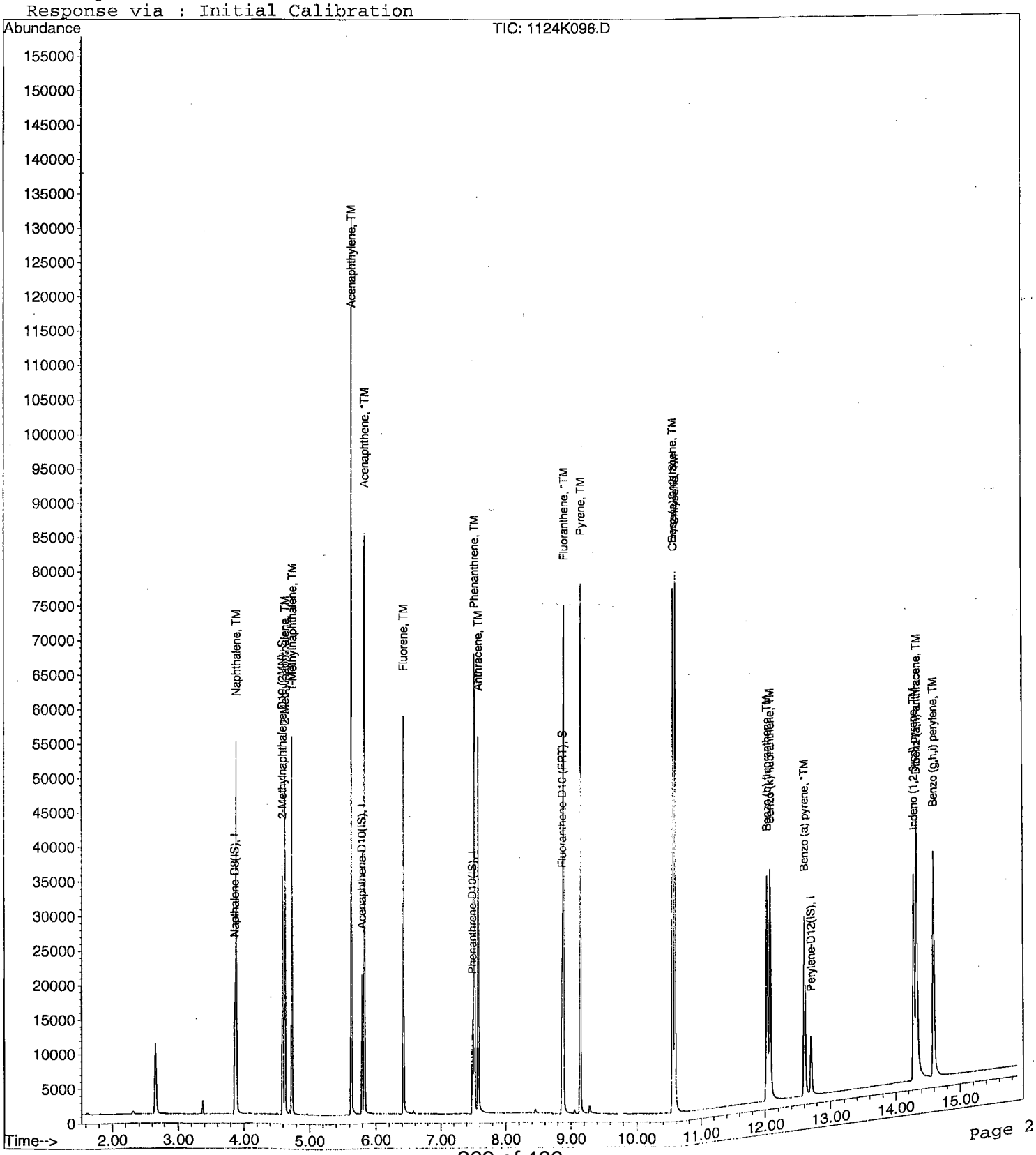
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\KYLO\DATA\211124\1124K096.D Vial: 96
Acq On : 1 Dec 21 22:06 Operator: LS
Sample : 5 ug/ml 10/19/21 (1) Inst : KYLO
Misc : Multiplr: 1.00

Quant Time: Dec 2 8:40 2021 Quant Results File: K1019.RES

Method : M:\KYLO\DATA\211124\K1019.M (RTE Integrator)
Title : EPA 8270
Last Update : Wed Dec 01 13:13:21 2021
Response via : Initial Calibration



1124K096.D K1019.M Thu Dec 02 08:41:15 2021

ORGANICS
Raw Data

Quantitation Report (QT Reviewed)

Data File : M:\KYLO\DATA\211124\1124K065.D Vial: 65
Acq On : 1 Dec 21 11:47 Operator: LS
Sample : BA46971W07 1/950 Inst : KYLO
Misc : Multiplr: 1.05

Quant Time: Dec 1 13:14 2021 Quant Results File: K1019.RES

Quant Method : M:\KYLO\DATA\211124\K1019.M (RTE Integrator)
Title : EPA 8270
Last Update : Wed Dec 01 13:13:21 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	9778	2.50000 ppb	0.00
6) Acenaphthene-D10(IS)	5.79	164	5013	2.50000 ppb	-0.07
10) Phenanthrene-D10(IS)	7.49	188	8360	2.50000 ppb	-0.06
15) Chrysene-D12(IS)	10.54	240	9761	2.50000 ppb	-0.07
20) Perylene-D12(IS)	12.71	264	8611	2.50000 ppb	-0.13
System Monitoring Compounds					
3) 2-Methylnaphthalene-D10 (2	4.59	152	24295	5.12169 ppb	0.00
Spiked Amount 5.263			Recovery	= 97.318%	
13) Fluoranthene-D10 (FRT)	8.86	212	29164	4.71061 ppb	-0.07
Spiked Amount 5.263			Recovery	= 89.509%	
Target Compounds					Qvalue
2) Naphthalene	3.88	128	579	0.11999 ppb #	83
4) 2-Methylnaphthalene	4.63	142	549	0.19413 ppb #	66
5) 1-Methylnaphthalene	4.74	142	478	0.16748 ppb	90

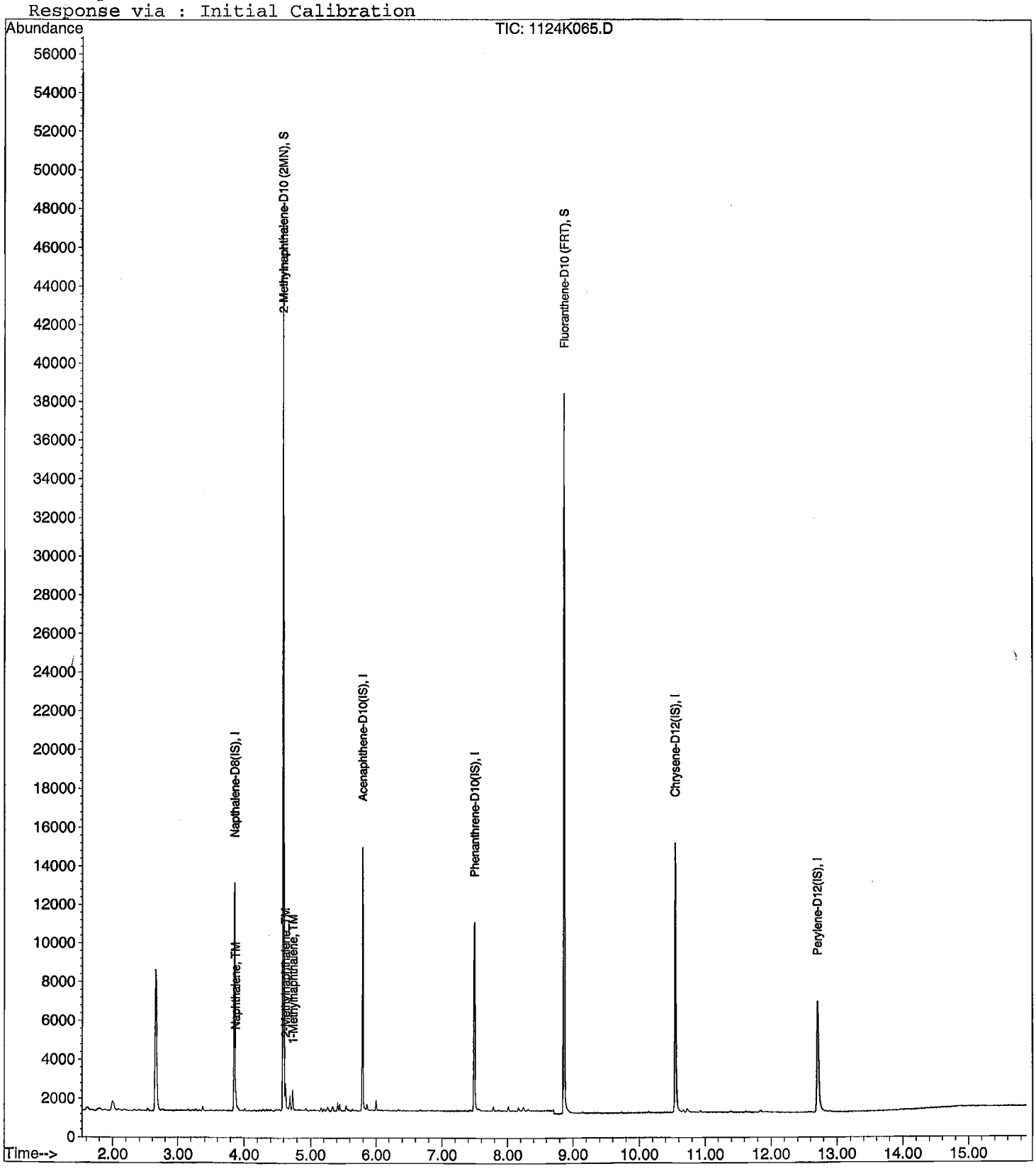
(#) = qualifier out of range (m) = manual integration

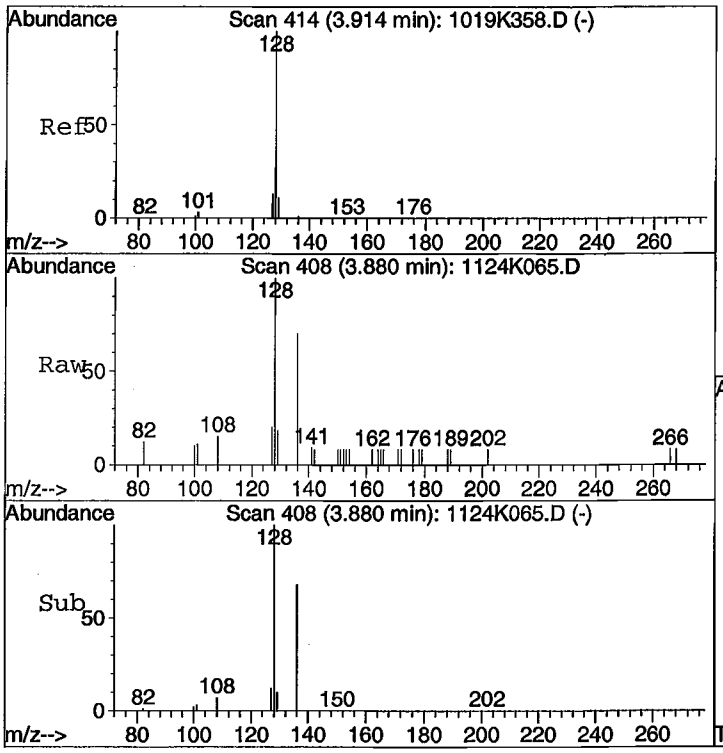
Quantitation Report

Data File : M:\KYLO\DATA\211124\1124K065.D Vial: 65
Acq On : 1 Dec 21 11:47 Operator: LS
Sample : BA46971W07 1/950 Inst : KYLO
Misc : Multiplr: 1.05

Quant Time: Dec 1 13:14 2021 Quant Results File: K1019.RES

Method : M:\KYLO\DATA\211124\K1019.M (RTE Integrator)
Title : EPA 8270
Last Update : Wed Dec 01 13:13:21 2021
Response via : Initial Calibration

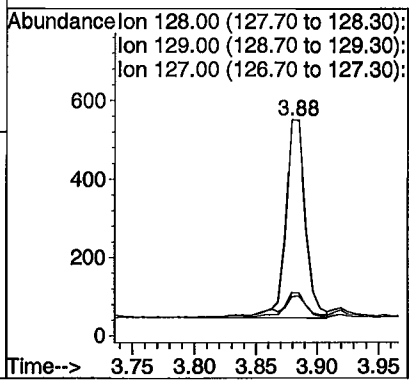


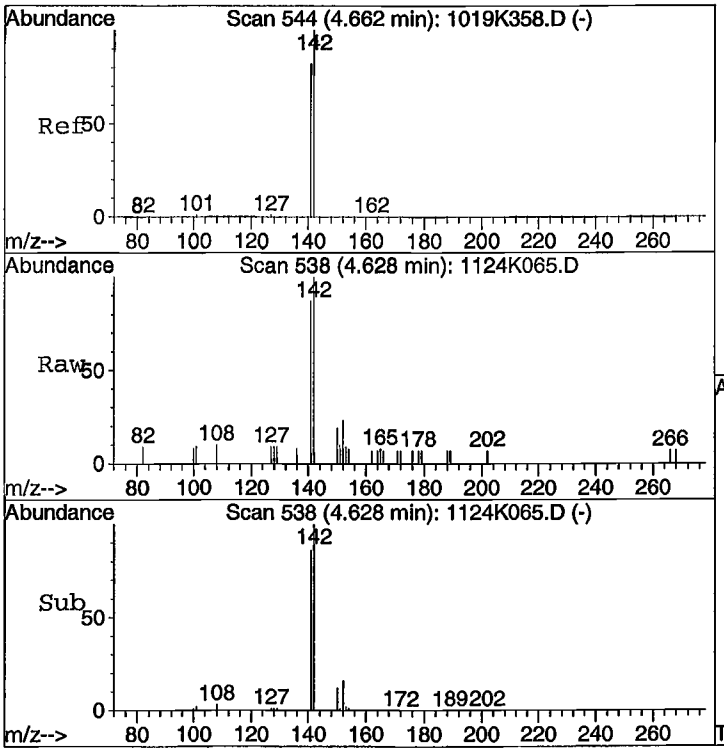


#2
Naphthalene
Concen: 0.11999 ppb
RT: 3.88 min Scan# 408
Delta R.T. 0.00 min
Lab File: 1124K065.D
Acq: 1 Dec 21 11:47

Tgt Ion:128 Resp: 579

Ion	Ratio	Lower	Upper
128	100		
129	10.1	12.7	23.5#
127	12.3	14.0	26.0#

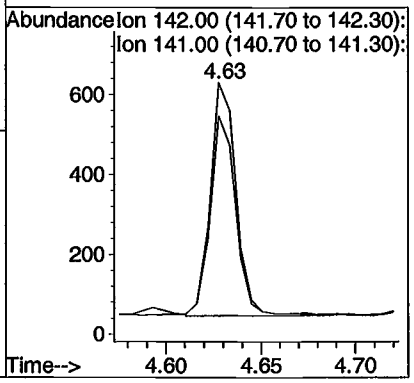


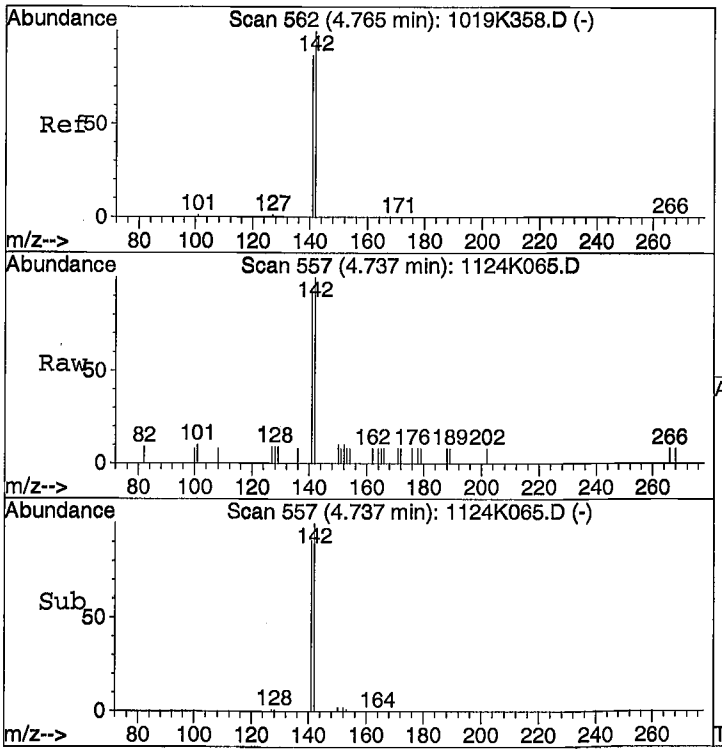


#4
2-Methylnaphthalene
Concen: 0.19413 ppb
RT: 4.63 min Scan# 538
Delta R.T. -0.00 min
Lab File: 1124K065.D
Acq: 1 Dec 21 11:47

Tgt Ion:142 Resp: 549

Ion	Ratio	Lower	Upper
142	100		
141	85.2	87.0	161.6#

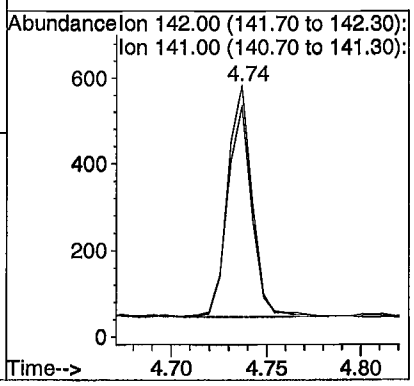




#5
1-Methylnaphthalene
Concen: 0.16748 ppb
RT: 4.74 min Scan# 557
Delta R.T. -0.00 min
Lab File: 1124K065.D
Acq: 1 Dec 21 11:47

Tgt Ion:142 Resp: 478

Ion	Ratio	Lower	Upper
142	100		
141	90.5	70.7	131.3



Quantitation Report (QT Reviewed)

Data File : M:\KYLO\DATA\211124\1124K066.D Vial: 66
Acq On : 1 Dec 21 12:07 Operator: LS
Sample : BA46973W07 1/950 Inst : KYLO
Misc : Multiplr: 1.05

Quant Time: Dec 1 13:15 2021 Quant Results File: K1019.RES

Quant Method : M:\KYLO\DATA\211124\K1019.M (RTE Integrator)
Title : EPA 8270
Last Update : Wed Dec 01 13:13:21 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	9145	2.50000 ppb	0.00
6) Acenaphthene-D10(IS)	5.79	164	4752	2.50000 ppb	-0.07
10) Phenanthrene-D10(IS)	7.49	188	8182	2.50000 ppb	-0.06
15) Chrysene-D12(IS)	10.54	240	9574	2.50000 ppb	-0.07
20) Perylene-D12(IS)	12.71	264	8468	2.50000 ppb	-0.12
System Monitoring Compounds					
3) 2-Methylnaphthalene-D10 (2	4.59	152	25362	5.71671 ppb	0.00
Spiked Amount 5.263			Recovery	= 108.623%	
13) Fluoranthene-D10 (FRT)	8.86	212	29029	4.79081 ppb	-0.07
Spiked Amount 5.263			Recovery	= 91.029%	
Target Compounds					Qvalue
4) 2-Methylnaphthalene	4.63	142	162	0.06125 ppb #	63
5) 1-Methylnaphthalene	4.74	142	147	0.05507 ppb	80

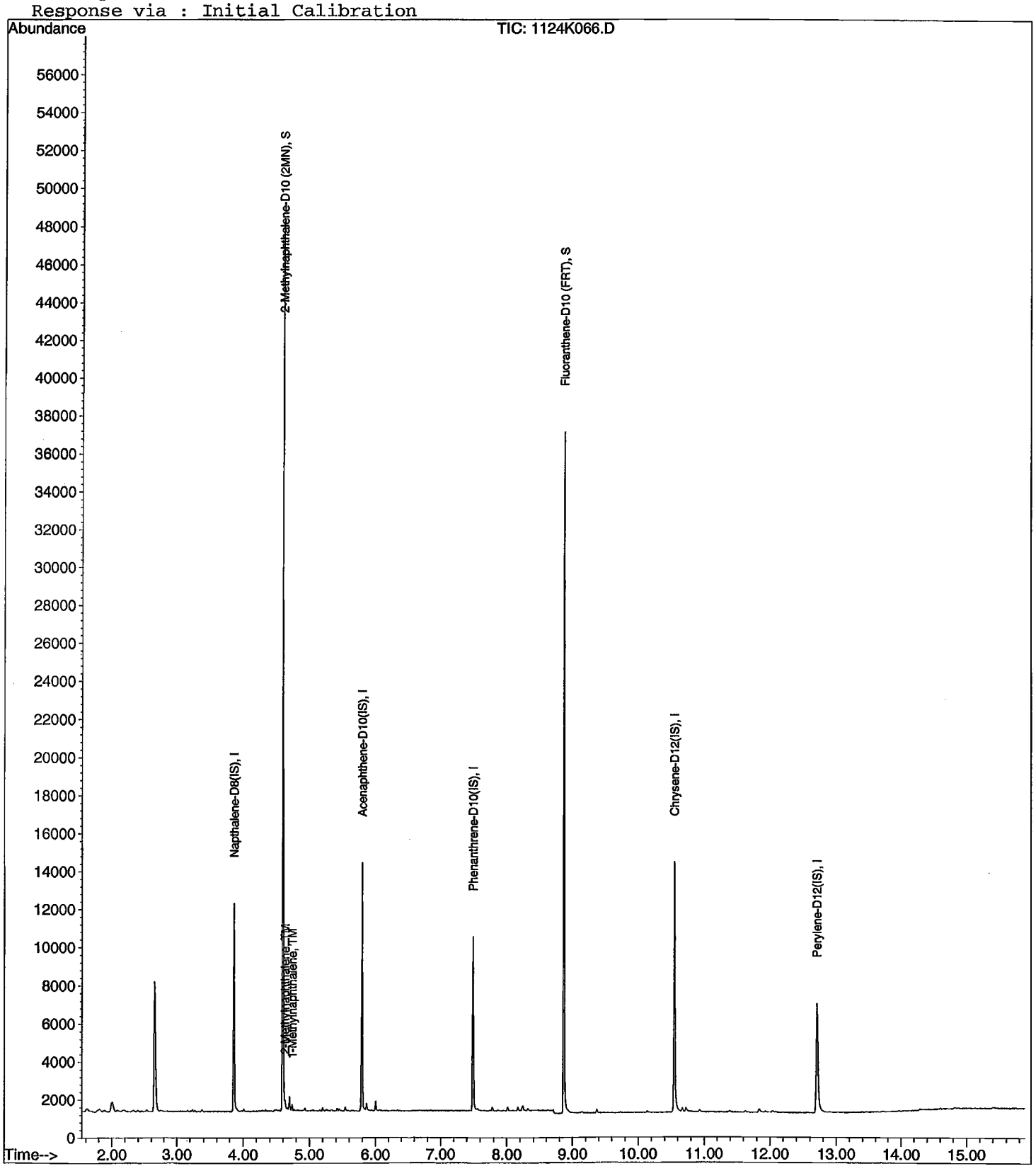
(#) = qualifier out of range (m) = manual integration

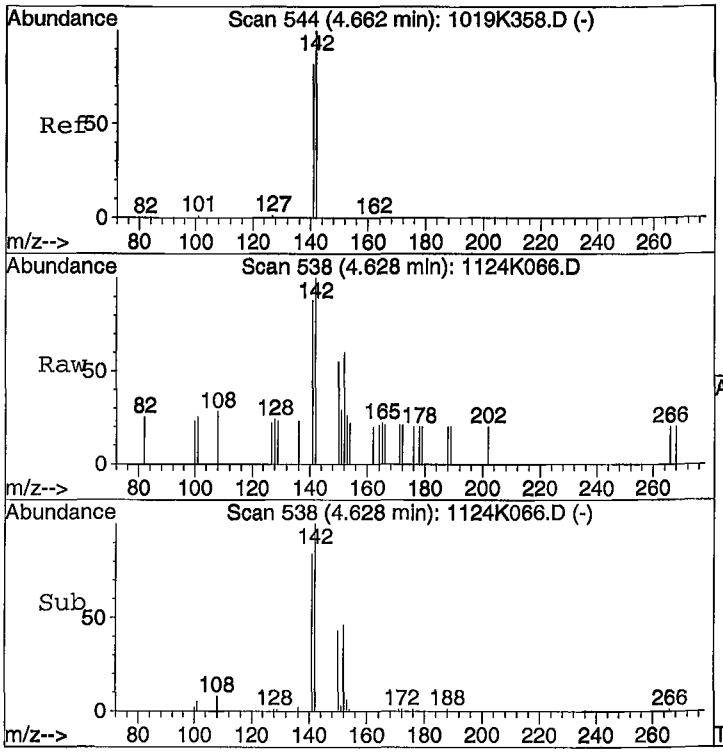
Quantitation Report

Data File : M:\KYLO\DATA\211124\1124K066.D Vial: 66
Acq On : 1 Dec 21 12:07 Operator: LS
Sample : BA46973W07 1/950 Inst : KYLO
Misc : Multiplr: 1.05

Quant Time: Dec 1 13:15 2021 Quant Results File: K1019.RES

Method : M:\KYLO\DATA\211124\K1019.M (RTE Integrator)
Title : EPA 8270
Last Update : Wed Dec 01 13:13:21 2021
Response via : Initial Calibration

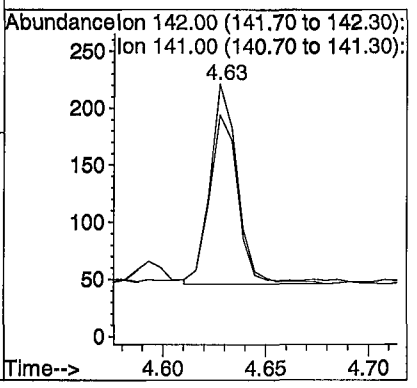


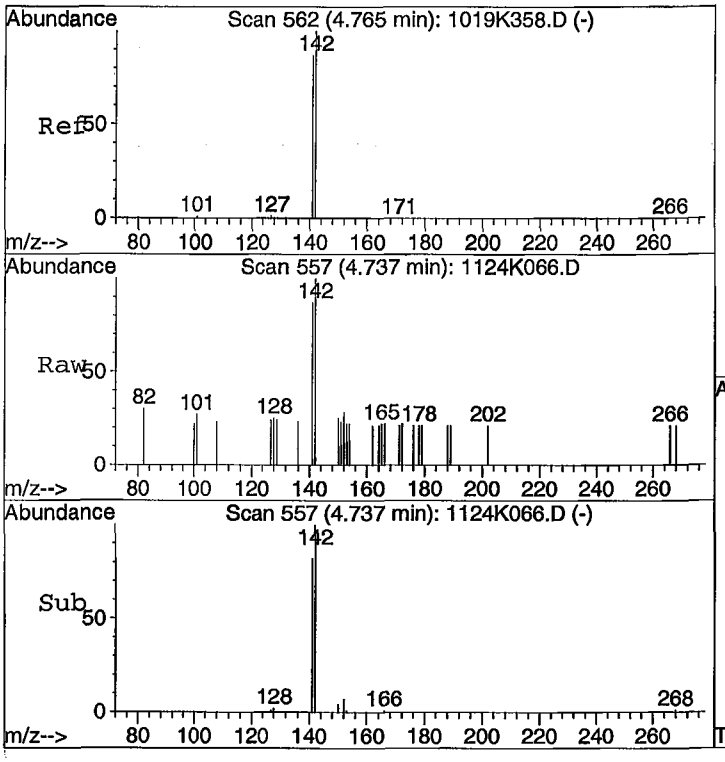


#4
2-Methylnaphthalene
Concen: 0.06125 ppb
RT: 4.63 min Scan# 538
Delta R.T. -0.00 min
Lab File: 1124K066.D
Acq: 1 Dec 21 12:07

Tgt Ion:142 Resp: 162

Ion	Ratio	Lower	Upper
142	100		
141	82.9	87.0	161.6#

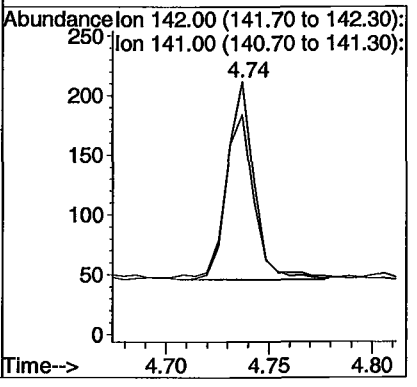




#5
1-Methylnaphthalene
Concen: 0.05507 ppb
RT: 4.74 min Scan# 557
Delta R.T. -0.00 min
Lab File: 1124K066.D
Acq: 1 Dec 21 12:07

Tgt Ion:142 Resp: 147

Ion	Ratio	Lower	Upper
142	100		
141	81.3	70.7	131.3



Quantitation Report (QT Reviewed)

Data File : M:\KYLO\DATA\211124\1124K067.D Vial: 67
Acq On : 1 Dec 21 12:27 Operator: LS
Sample : BA46974W07 1/950 Inst : KYLO
Misc : Multiplr: 1.05

Quant Time: Dec 1 13:15 2021 Quant Results File: K1019.RES

Quant Method : M:\KYLO\DATA\211124\K1019.M (RTE Integrator)
Title : EPA 8270
Last Update : Wed Dec 01 13:13:21 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	8395	2.50000 ppb	0.00
6) Acenaphthene-D10(IS)	5.79	164	4359	2.50000 ppb	-0.07
10) Phenanthrene-D10(IS)	7.49	188	7686	2.50000 ppb	-0.06
15) Chrysene-D12(IS)	10.55	240	9162	2.50000 ppb	-0.07
20) Perylene-D12(IS)	12.71	264	8100	2.50000 ppb	-0.12
System Monitoring Compounds					
3) 2-Methylnaphthalene-D10 (2	4.59	152	23774	5.83752 ppb	0.00
Spiked Amount 5.263			Recovery	= 110.922%	
13) Fluoranthene-D10 (FRT)	8.87	212	27775	4.87966 ppb	-0.07
Spiked Amount 5.263			Recovery	= 92.720%	
Target Compounds					Qvalue
2) Naphthalene	3.88	128	180	0.04345 ppb #	86
4) 2-Methylnaphthalene	4.63	142	170	0.07002 ppb	69
5) 1-Methylnaphthalene	4.74	142	154	0.06285 ppb	86

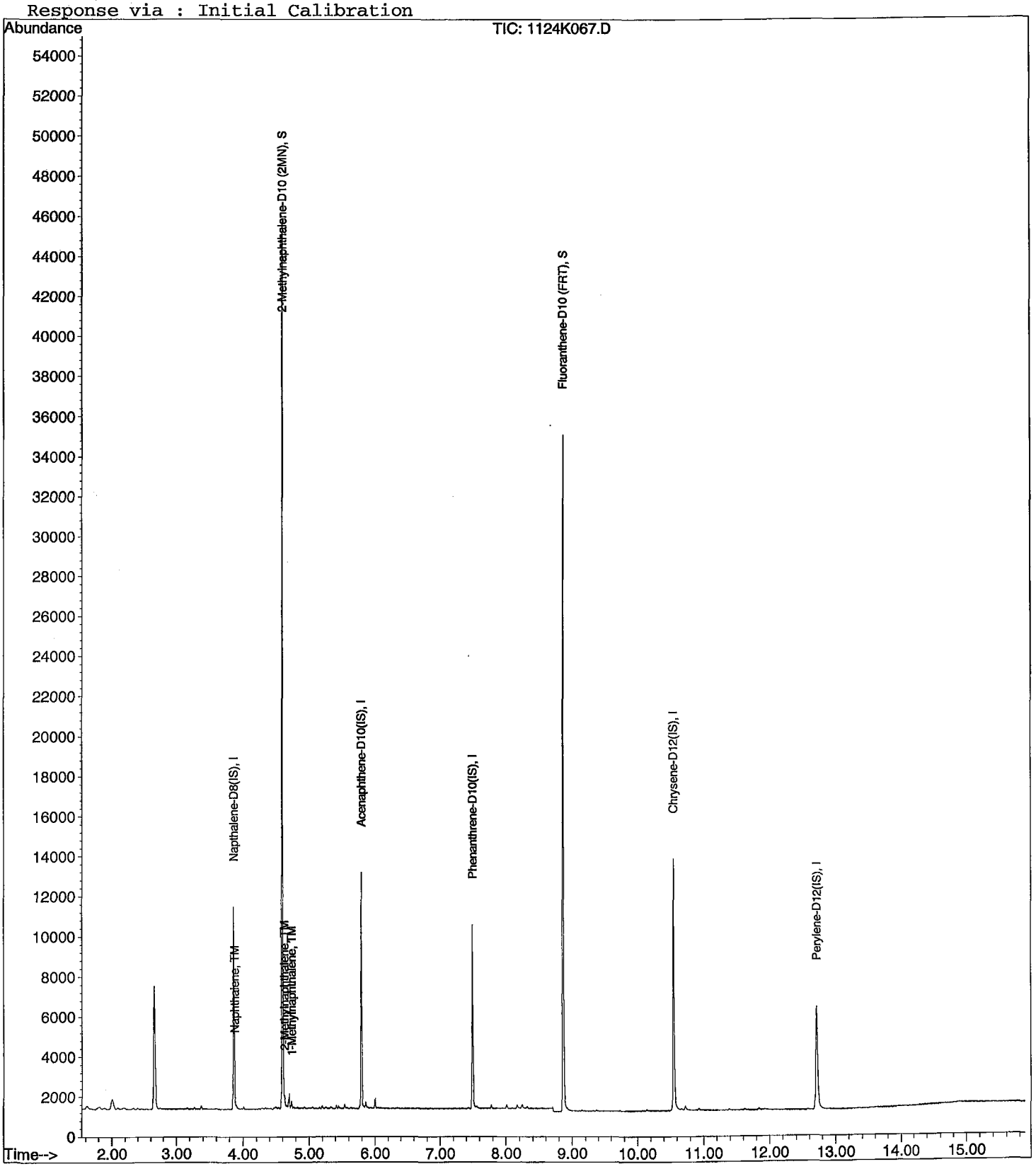
(#) = qualifier out of range (m) = manual integration

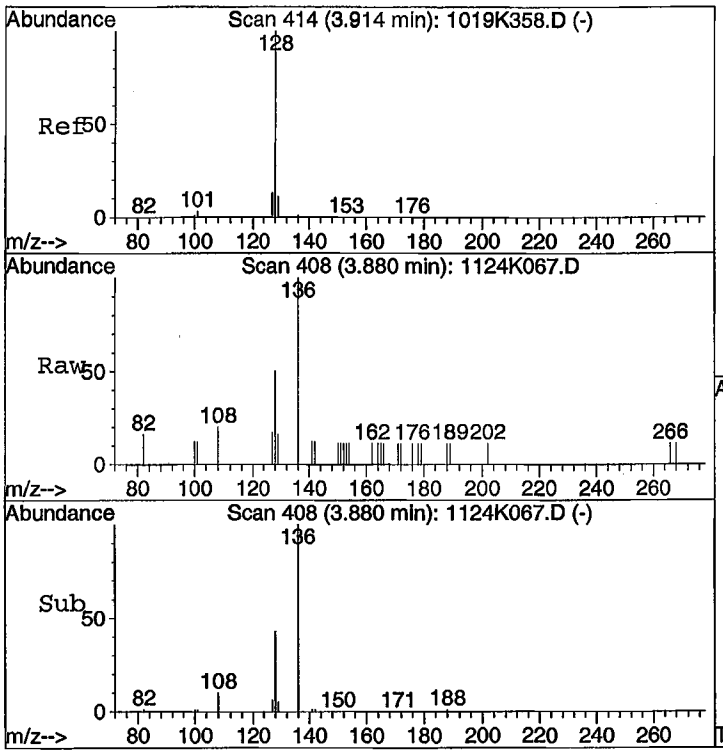
Quantitation Report

Data File : M:\KYLO\DATA\211124\1124K067.D Vial: 67
Acq On : 1 Dec 21 12:27 Operator: LS
Sample : BA46974W07 1/950 Inst : KYLO
Misc : Multiplr: 1.05

Quant Time: Dec 1 13:15 2021 Quant Results File: K1019.RES

Method : M:\KYLO\DATA\211124\K1019.M (RTE Integrator)
Title : EPA 8270
Last Update : Wed Dec 01 13:13:21 2021
Response via : Initial Calibration

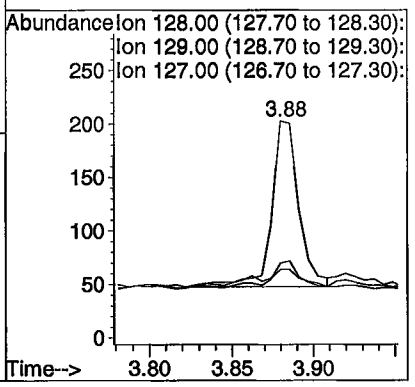


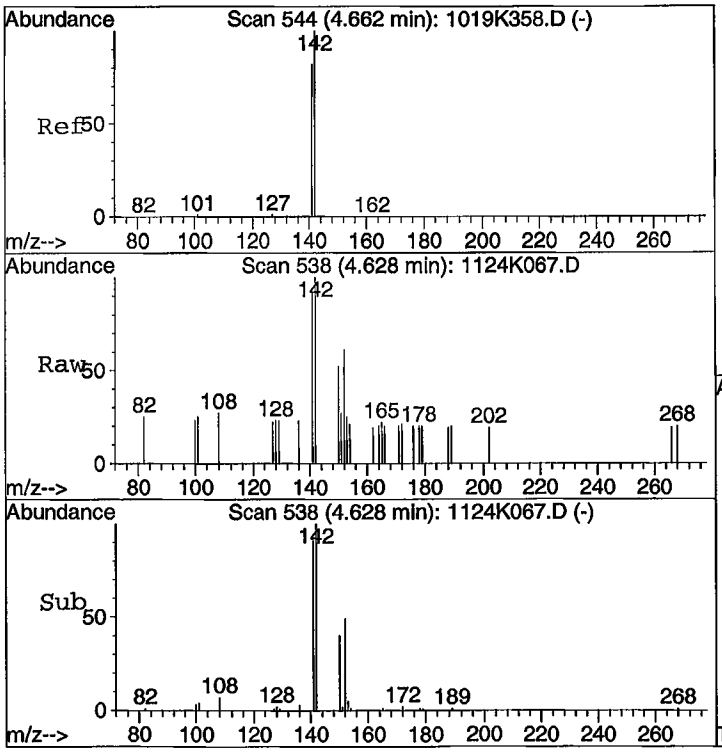


#2
Naphthalene
Concen: 0.04345 ppb
RT: 3.88 min Scan# 408
Delta R.T. 0.00 min
Lab File: 1124K067.D
Acq: 1 Dec 21 12:27

Tgt Ion:128 Resp: 180

Ion	Ratio	Lower	Upper
128	100		
129	10.3	12.7	23.5#
127	14.8	14.0	26.0

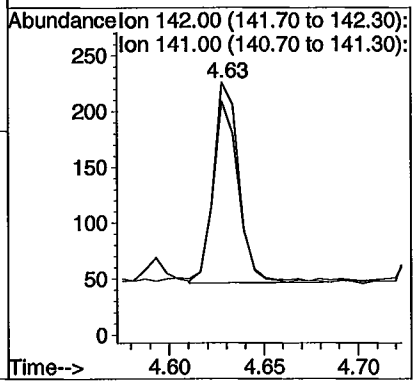


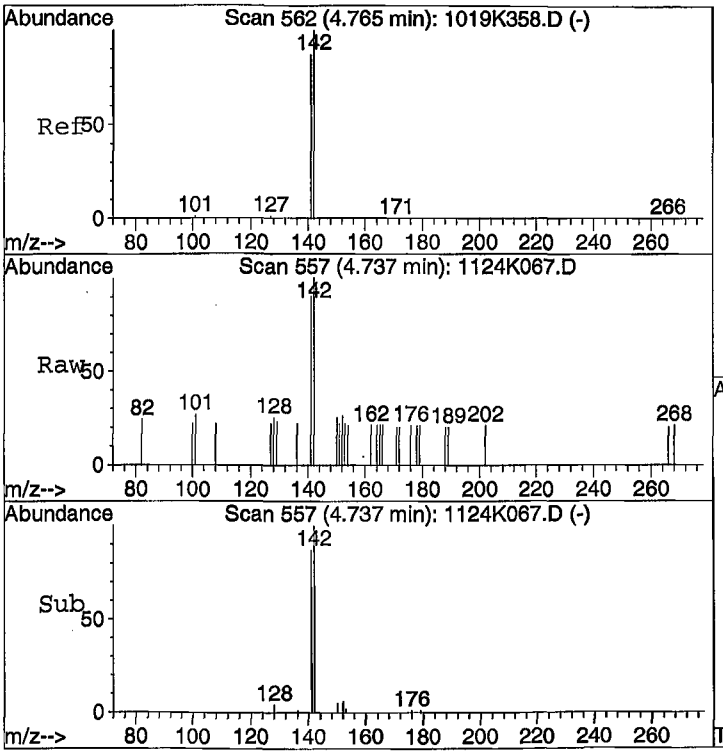


#4
2-Methylnaphthalene
Concen: 0.07002 ppb
RT: 4.63 min Scan# 538
Delta R.T. 0.00 min
Lab File: 1124K067.D
Acq: 1 Dec 21 12:27

Tgt Ion:142 Resp: 170

Ion	Ratio	Lower	Upper
142	100		
141	89.4	87.0	161.6

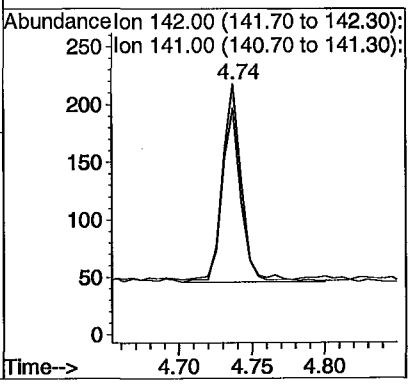




#5
1-Methylnaphthalene
Concen: 0.06285 ppb
RT: 4.74 min Scan# 557
Delta R.T. 0.00 min
Lab File: 1124K067.D
Acq: 1 Dec 21 12:27

Tgt Ion:142 Resp: 154

Ion	Ratio	Lower	Upper
142	100		
141	86.6	70.7	131.3



Quantitation Report (QT Reviewed)

Data File : M:\KYLO\DATA\211124\1124K061.D Vial: 61
Acq On : 1 Dec 21 10:28 Operator: LS
Sample : 211129A BLK 1/1000 Inst : KYLO
Misc : Multiplr: 1.00

Quant Time: Dec 1 10:49 2021 Quant Results File: K1019.RES

Quant Method : M:\KYLO\DATA\211124\K1019.M (RTE Integrator)
Title : EPA 8270
Last Update : Mon Nov 29 09:02:10 2021
Response via : Initial Calibration
DataAcq Meth : SIM_2

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Napthalene-D8(IS)	3.86	136	10121	2.50000 ppb	0.00
6) Acenaphthene-D10(IS)	5.79	164	4869	2.50000 ppb	-0.07
10) Phenanthrene-D10(IS)	7.49	188	7517	2.50000 ppb	-0.07
15) Chrysene-D12(IS)	10.55	240	8794	2.50000 ppb	-0.07
20) Perylene-D12(IS)	12.71	264	8022	2.50000 ppb	-0.12
System Monitoring Compounds					
3) 2-Methylnaphthalene-D10 (2	4.59	152	22853	4.42171 ppb	0.00
Spiked Amount 5.000			Recovery =	88.440%	
13) Fluoranthene-D10 (FRT)	8.86	212	27995	4.77745 ppb	-0.07
Spiked Amount 5.000			Recovery =	95.540%	

Target Compounds Qvalue

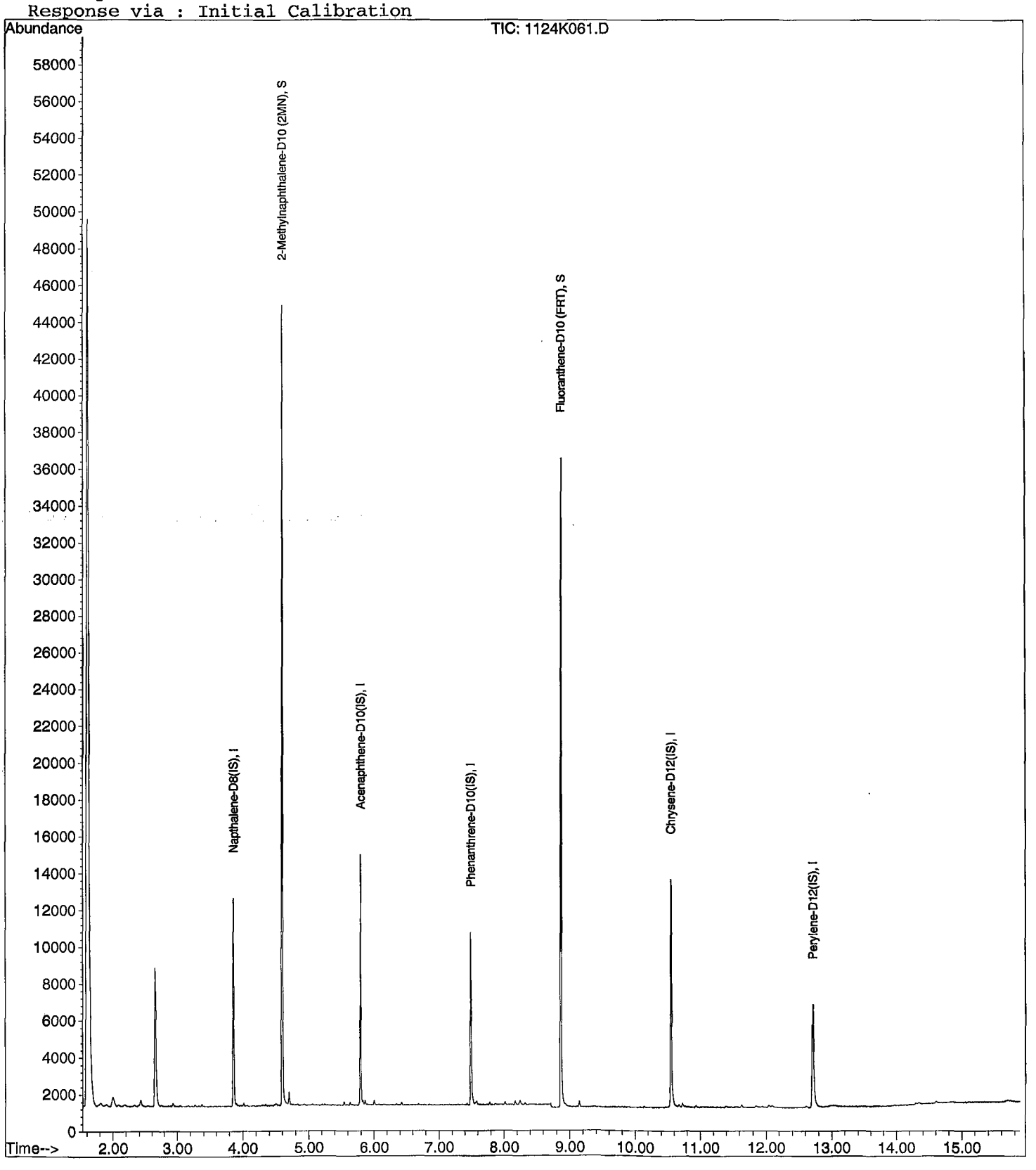
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\KYLO\DATA\211124\1124K061.D Vial: 61
Acq On : 1 Dec 21 10:28 Operator: LS
Sample : 211129A BLK 1/1000 Inst : KYLO
Misc : Multiplr: 1.00

Quant Time: Dec 1 10:49 2021 Quant Results File: K1019.RES

Method : M:\KYLO\DATA\211124\K1019.M (RTE Integrator)
Title : EPA 8270
Last Update : Wed Dec 01 13:13:21 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\KYLO\DATA\211124\1124K062.D Vial: 62
Acq On : 1 Dec 21 10:47 Operator: LS
Sample : 211129A LCS-1 1/1000 Inst : KYLO
Misc : Multiplr: 1.00

Quant Time: Dec 1 13:11 2021 Quant Results File: K1019.RES

Quant Method : M:\KYLO\DATA\211124\K1019.M (RTE Integrator)
Title : EPA 8270
Last Update : Mon Nov 29 09:02:10 2021
Response via : Initial Calibration
DataAcq Meth : SIM_2

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Napthalene-D8(IS)	3.86	136	10677	2.50000	ppb		0.00
6) Acenaphthene-D10(IS)	5.79	164	5170	2.50000	ppb		-0.07
10) Phenanthrene-D10(IS)	7.49	188	8059	2.50000	ppb		-0.07
15) Chrysene-D12(IS)	10.54	240	9659	2.50000	ppb		-0.07
20) Perylene-D12(IS)	12.71	264	8895	2.50000	ppb		-0.13
System Monitoring Compounds							
3) 2-Methylnaphthalene-D10 (2	4.59	152	22464	4.12011	ppb		0.00
Spiked Amount 5.000			Recovery	=	82.400%		
13) Fluoranthene-D10 (FRT)	8.86	212	28849	4.59209	ppb		-0.07
Spiked Amount 5.000			Recovery	=	91.840%		
Target Compounds							Qvalue
2) Naphthalene	3.88	128	18743	3.37942	ppb		100
4) 2-Methylnaphthalene	4.63	142	9650	2.96879	ppb	#	65
5) 1-Methylnaphthalene	4.74	142	10092	3.07640	ppb		85
7) Acenaphthylene	5.63	152	38746	3.62002	ppb		99
8) Acenaphthene	5.82	154	9670	3.41100	ppb		96
9) Fluorene	6.42	166	12086	3.67896	ppb		100
11) Phenanthrene	7.52	178	16793	3.78642	ppb		99
12) Anthracene	7.57	178	15978	3.81433	ppb		99
14) Fluoranthene	8.89	202	27658	4.01435	ppb		99
16) Pyrene	9.14	202	28306	3.82749	ppb		99
17) Benz (a) anthracene	10.53	228	20999	3.87878	ppb		100
18) Chrysene	10.57	228	22652	3.76343	ppb		99
19) Indeno (1,2,3-cd) pyrene	14.28	276	14926	3.49260	ppb		86
21) Benzo (b) fluoranthene	12.03	252	19607	3.91400	ppb		99
22) Benzo (k) fluoranthene	12.08	252	21911	3.82490	ppb		100
23) Benzo (a) pyrene	12.60	252	18086	3.79054	ppb		98
24) Dibenz (a,h) anthracene	14.32	278	17407	3.68964	ppb		98
25) Benzo (g,h,i) perylene	14.59	276	19147	3.72926	ppb		99

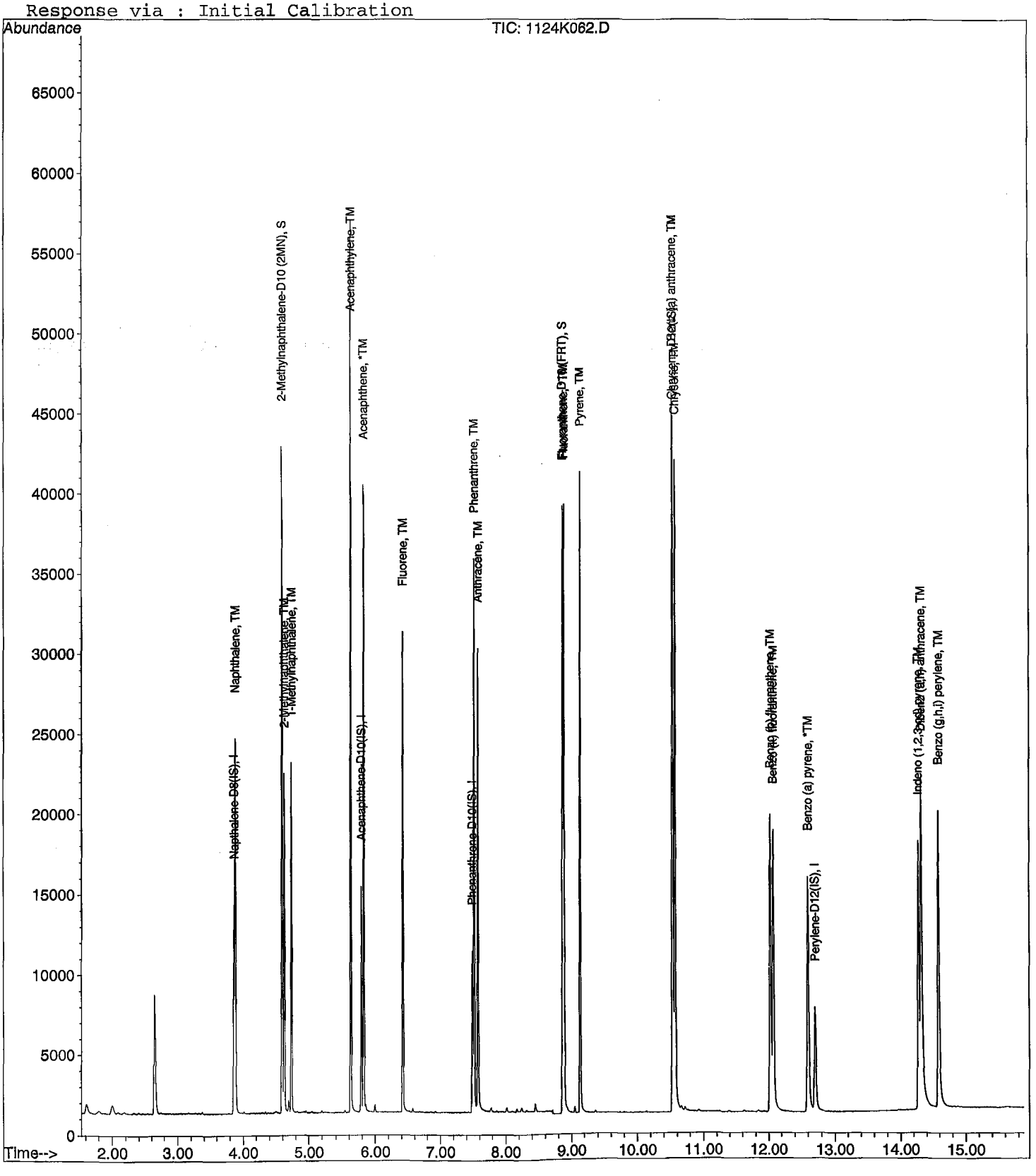
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\KYLO\DATA\211124\1124K062.D Vial: 62
Acq On : 1 Dec 21 10:47 Operator: LS
Sample : 211129A LCS-1 1/1000 Inst : KYLO
Misc : Multiplr: 1.00

Quant Time: Dec 1 13:11 2021 Quant Results File: K1019.RES

Method : M:\KYLO\DATA\211124\K1019.M (RTE Integrator)
Title : EPA 8270
Last Update : Wed Dec 01 13:13:21 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\KYLO\DATA\211124\1124K063.D Vial: 63
Acq On : 1 Dec 21 11:07 Operator: LS
Sample : 211129A LCSD-1 1/1000 Inst : KYLO
Misc : Multiplr: 1.00

Quant Time: Dec 1 13:11 2021 Quant Results File: K1019.RES

Quant Method : M:\KYLO\DATA\211124\K1019.M (RTE Integrator)
Title : EPA 8270
Last Update : Mon Nov 29 09:02:10 2021
Response via : Initial Calibration
DataAcq Meth : SIM_2

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Napthalene-D8(IS)	3.86	136	10411	2.50000 ppb	0.00
6) Acenaphthene-D10(IS)	5.79	164	5102	2.50000 ppb	-0.07
10) Phenanthrene-D10(IS)	7.49	188	8060	2.50000 ppb	-0.07
15) Chrysene-D12(IS)	10.54	240	9628	2.50000 ppb	-0.07
20) Perylene-D12(IS)	12.71	264	8737	2.50000 ppb	-0.12
System Monitoring Compounds					
3) 2-Methylnaphthalene-D10 (2	4.59	152	24705	4.64690 ppb	0.00
Spiked Amount 5.000			Recovery	= 92.940%	
13) Fluoranthene-D10 (FRT)	8.86	212	28967	4.61030 ppb	-0.07
Spiked Amount 5.000			Recovery	= 92.200%	
Target Compounds					Qvalue
2) Naphthalene	3.88	128	25005	4.62367 ppb	100
4) 2-Methylnaphthalene	4.63	142	14938	4.71304 ppb #	65
5) 1-Methylnaphthalene	4.74	142	14910	4.66122 ppb	85
7) Acenaphthylene	5.63	152	50417	4.77322 ppb	99
8) Acenaphthene	5.82	154	12956	4.63101 ppb	97
9) Fluorene	6.42	166	15094	4.65583 ppb	99
11) Phenanthrene	7.52	178	19982	4.50490 ppb	99
12) Anthracene	7.57	178	18516	4.41966 ppb	100
14) Fluoranthene	8.89	202	32338	4.69304 ppb	98
16) Pyrene	9.14	202	32880	4.46030 ppb	94
17) Benz (a) anthracene	10.53	228	24347	4.51168 ppb	99
18) Chrysene	10.57	228	26121	4.35375 ppb	98
19) Indeno (1,2,3-cd) pyrene	14.28	276	17721	4.12370 ppb	95
21) Benzo (b) fluoranthene	12.02	252	23039	4.68228 ppb	98
22) Benzo (k) fluoranthene	12.07	252	24851	4.41657 ppb	99
23) Benzo (a) pyrene	12.60	252	21319	4.54892 ppb	97
24) Dibenz (a,h) anthracene	14.32	278	20367	4.39513 ppb	95
25) Benzo (g,h,i) perylene	14.58	276	22214	4.40486 ppb	97

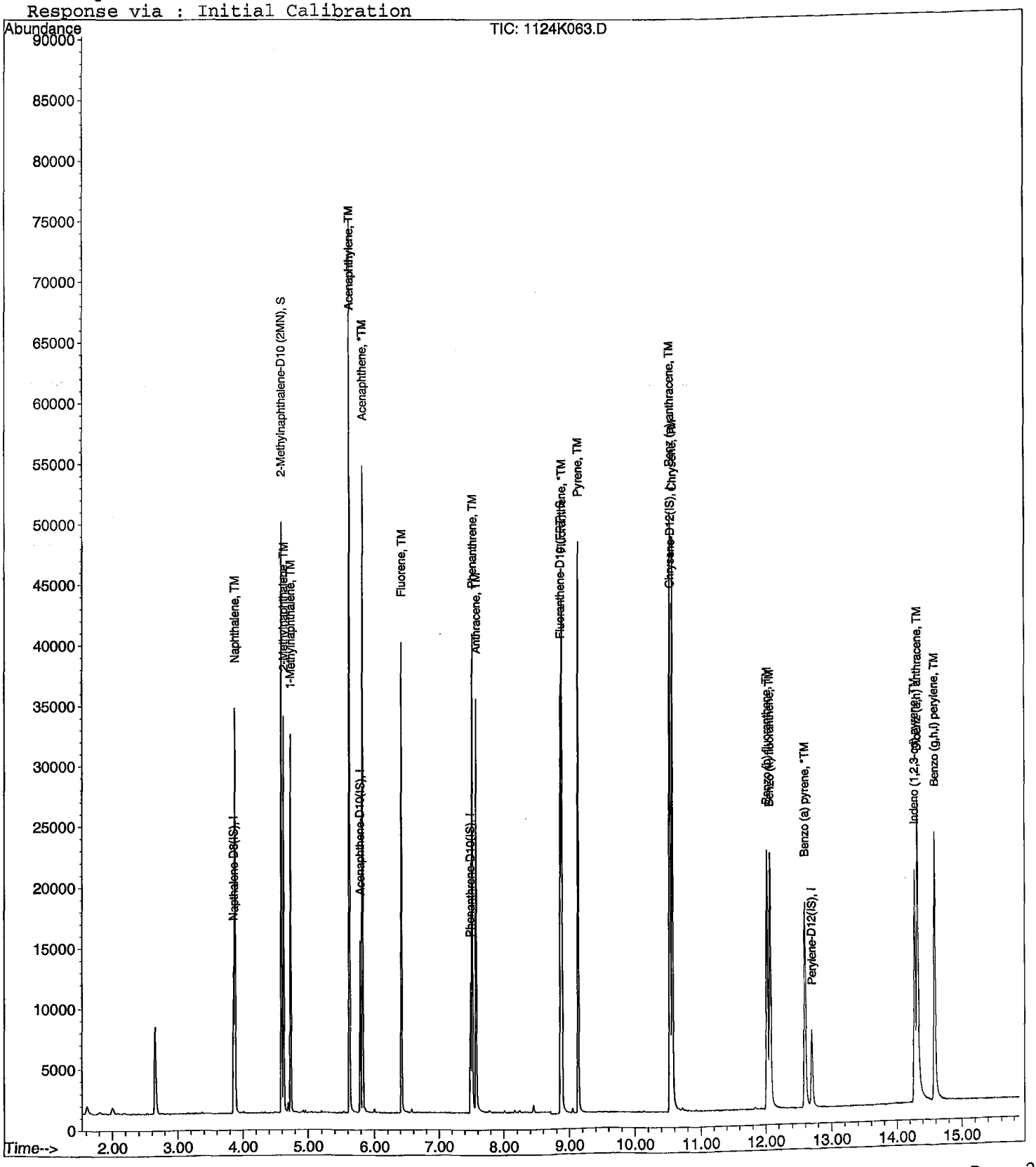
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\KYLO\DATA\211124\1124K063.D Vial: 63
Acq On : 1 Dec 21 11:07 Operator: LS
Sample : 211129A LCSD-1 1/1000 Inst : KYLO
Misc : Multiplr: 1.00

Quant Time: Dec 1 13:11 2021 Quant Results File: K1019.RES

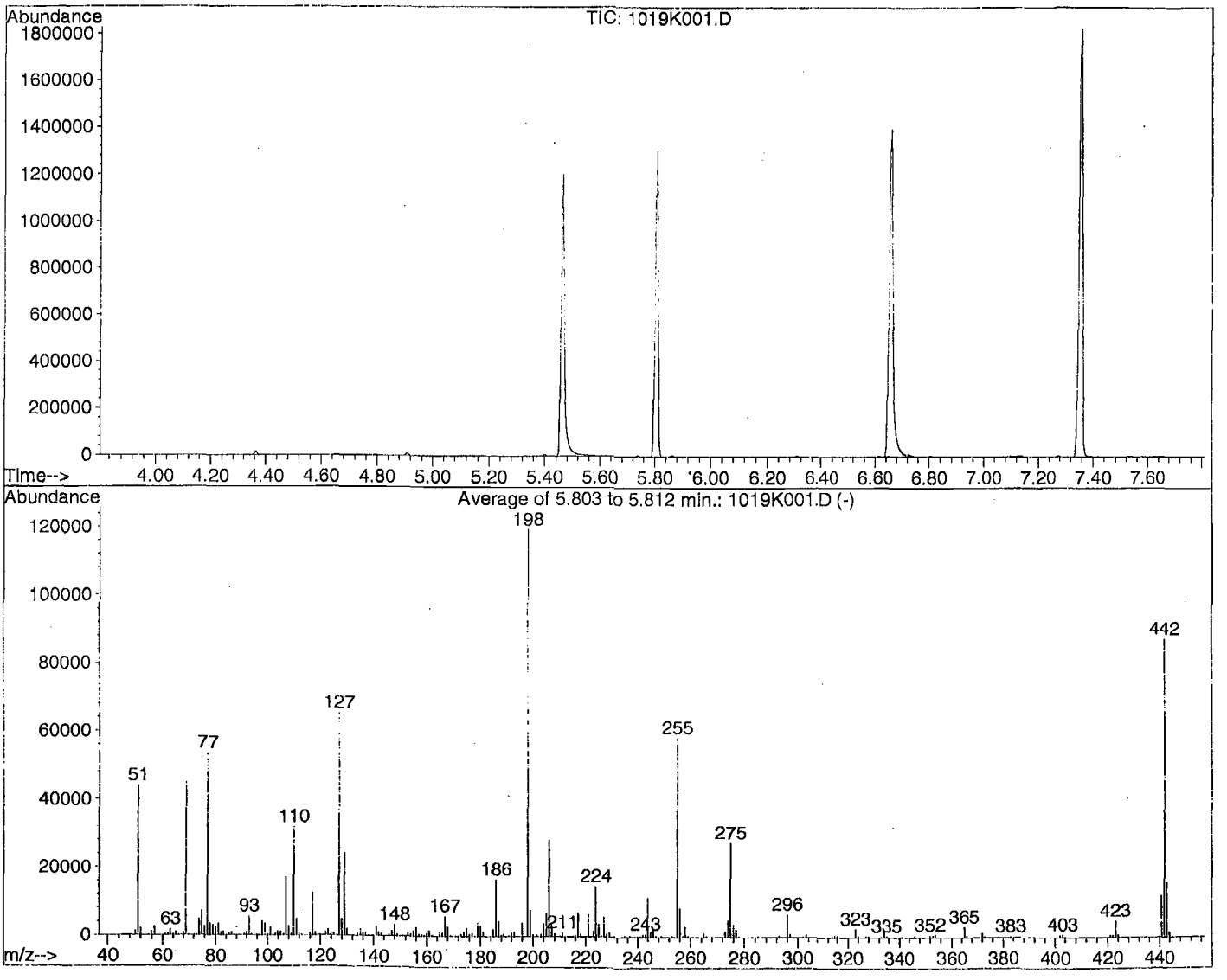
Method : M:\KYLO\DATA\211124\K1019.M (RTE Integrator)
Title : EPA 8270
Last Update : Wed Dec 01 13:13:21 2021
Response via : Initial Calibration



Data File : M:\KYLO\DATA\211019\1019K001.D
Acq On : 19 Oct 21 13:58
Sample : SV TUNE 7/2/21
Misc :

Vial: 1
Operator: LS
Inst : KYLO
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**

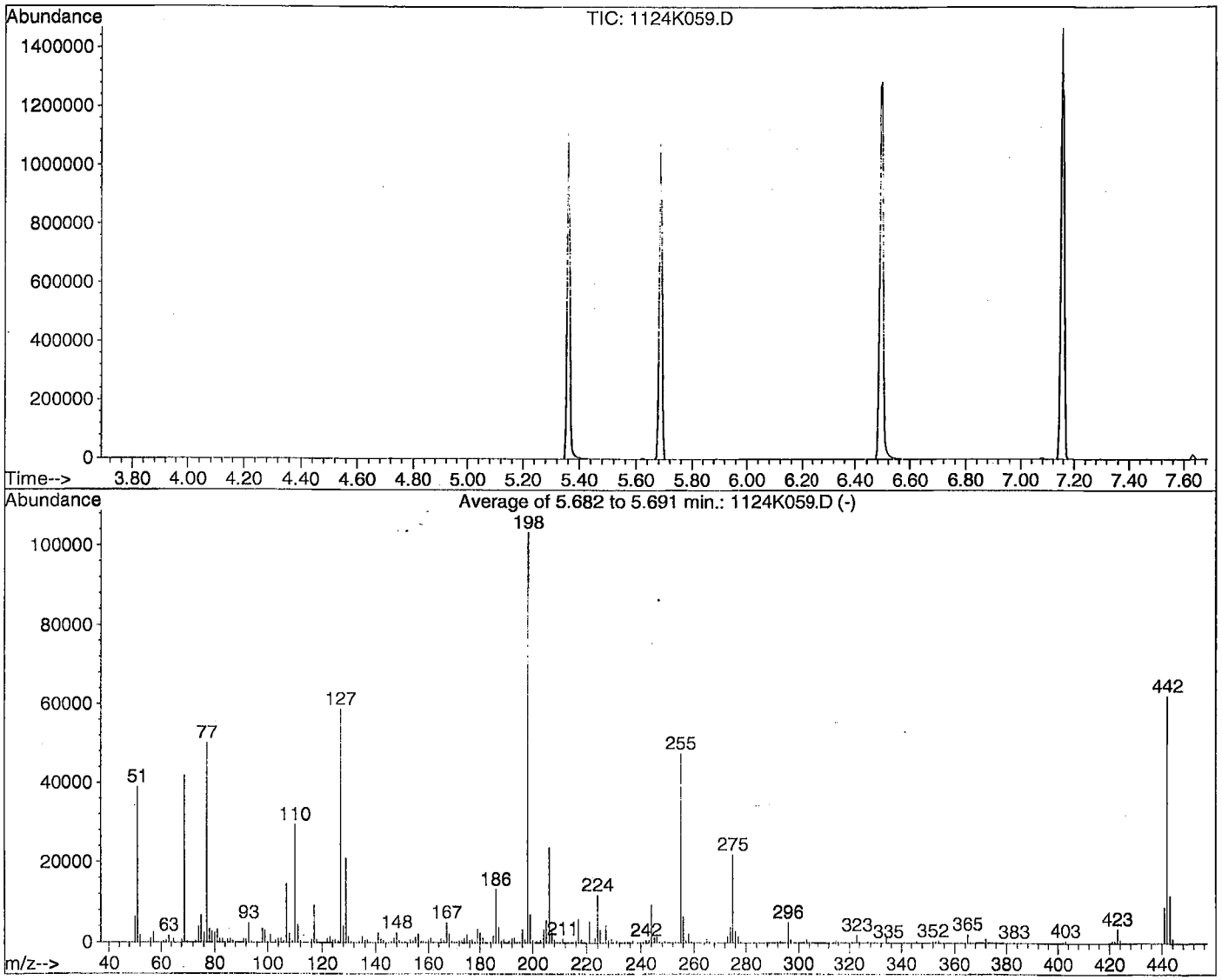
#	Name	Ret Time	Target Response
1)	DDT	7.36	16763500
2)	DDD	7.13	0
3)	DDE	6.80	0

Breakdown **0.00**

Data File : M:\KYLO\DATA\211124\1124K059.D
Acq On : 1 Dec 21 9:56
Sample : SV TUNE 7/2/21
Misc :

Vial: 59
Operator: LS
Inst : KYLO
Multiplr: 1.00

Method : M:\KYLO\DATA\211124\K1019.M (RTE Integrator)
Title : EPA 8270



AutoFind: Scans 450, 451, 452; Background Corrected with Scan 445

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	37.7	38992	PASS
68	69	0.00	2	1.9	790	PASS
70	69	0.00	2	0.5	211	PASS
127	198	10	80	56.8	58773	PASS
197	198	0.00	2	0.7	748	PASS
198	198	100	100	100.0	103480	PASS
199	198	5	9	6.7	6958	PASS
275	198	10	60	21.2	21977	PASS
365	198	1	100	2.1	2122	PASS
441	442	0.01	24	14.4	9001	PASS
442	198	50	500	60.3	62371	PASS
443	442	15	24	18.9	11815	PASS

Data File Name:	**1124K059.D**
Data File Path:	**M:\KYLO\DATA\211124**
Operator:	**LS**
Date Acquired:	**1 Dec 21 9:56**
Method File:	**DFTPP2.M**
Sample Name:	**SV TUNE 7/2/21**
Vial Number:	**59**
Instrument Name:	**KYLO**

#	Name	Ret Time	Target Response
1)	DDT	7.17	12321900
2)	DDD	6.95	0
3)	DDE	6.65	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

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	211129A	Extraction Method	LIQ003	Units	mL

Spiked ID 1	Sim Spike 10-21-21 10-21-22		Surrogate ID 1	SIM 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:	11/29/21 12:23	
Spiked ID 8			Ext. End Time:	11/30/21 6:35	
			GC Requires Extract By:		

pH1	14	11/29/21 9:07	Water Bath Temp 1 °C	60/59.5 E-WB5 °
pH2	14	11/29/21 11:40	Water Bath Temp 2 °C	66/66.5 E-WB7
pH3			Water Bath Temp 3 °C	

Spiked By: SR **Date** 11/29/2021 **Witnessed By:** CG **Date** 11/29/2021

	Sample	Sample Container	Spike Amount	Spike ID	Surrogate Amount	Surrogate ID	Extract Amount	Final Volume	pH	Extract Date/Time	Comments
1	211129A Blk				0.050	1 equip	1000 E-HP3 E-WB5	1	14	11/29/21 9:00	
2	211129A LCS-1		0.125	1	0.050	1 equip	1000 E-HP4 E-WB5	1	14	11/29/21 9:00	
3	211129A LCSD-1		0.125	1	0.050	1 equip	1000 E-HP6 E-WB5	1	14	11/29/21 9:00	
4	BA46927	BA46927W08			0.050	1 equip	1010 E-HP7 E-WB5	1	14	11/29/21 9:00	98311
5	BA46928	BA46928W04			0.050	1 equip	1000 E-HP8 E-WB5	1	14	11/29/21 9:00	98311 receiver broke lost extract
6	BA46971	BA46971W07			0.050	1 equip	950 E-HP9 E-WB5	1	14	11/29/21 11:30	98336
7	BA46973	BA46973W07			0.050	1 equip	950 E-HP10 E-WB5	1	14	11/29/21 11:30	98336
8	BA46974	BA46974W07			0.050	1 equip	950 E-HP11 E-WB5	1	14	11/29/21 11:30	98336
9	ba46979	BA46979W07			0.050	1 equip	1000 E-HP12 E-WB7	1	14	11/29/21 11:30	98337
10	BA46981	BA46981W07			0.050	1 equip	1000 E-HP13 E-WB7	1	14	11/29/21 11:30	98337
11	BA46983	BA46983W07			0.050	1 equip	1000 E-HP14 E-WB7	1	14	11/29/21 11:30	98337
12	BA46985	BA46985W07			0.050	1 equip	1000 E-HP15 E-WB7	1	14	11/29/21 11:30	98337

Solvent and Lot#	
PH Strips	HC155968
Dichloromethane (DCM)	61117
10N NaOH (10mLs)	11-20-21
Filter Paper	400202
Na2SO4	2021071206

Extraction COC Transfer	
Extraction lab employee Initials	KY
GC analyst's initials	LS
Date	12/1/21
Time	0852
Refrigerator	GC_C

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

Modified	12/1/2021 7:12:17 AM

Reviewed By: KY **Date** 12/1/2021

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	59	1124K059.D	1	SV TUNE 7/2/21		1 Dec 21 9:56
12	60	1124K060.D	1	5 ug/ml 10/19/21 (2)		1 Dec 21 10:08
13	61	1124K061.D	1	211129A BLK 1/1000		1 Dec 21 10:28
14	62	1124K062.D	1	211129A LCS-1 1/1000		1 Dec 21 10:47
15	63	1124K063.D	1	211129A LCSD-1 1/1000		1 Dec 21 11:07
17	65	1124K065.D	1.05263	BA46971W07 1/950		1 Dec 21 11:47
18	66	1124K066.D	1.05263	BA46973W07 1/950		1 Dec 21 12:07
19	67	1124K067.D	1.05263	BA46974W07 1/950		1 Dec 21 12:27
24	96	1124K096.D	1	5 ug/ml 10/19/21 (1)		1 Dec 21 22:06

ORGANICS
Calibration Data

VOLATILE ORGANIC ANALYSIS
VOLATILE ORGANIC COMPOUNDS

Form 6
Initial Calibration

Lab Name: APPL, Inc. SDG No:
Case No: Initial Cal. Date: 12/6/2021
Matrix: WATER Instrument: Zeus Initials: MH

			1206Z17.D	1206Z18.D	1206Z19.D	1206Z20.D	1206Z21.D	1206Z22.D	1206Z23.D	1206Z24.D	1206Z25.D							
		Compound	1	2	3	4	5	6	7	8	9		Avg	%RSD	Type	r^2	Q	MRF
1	I	Fluorobenzene (IS)																
2	TM	Chlorotrifluoroethene													TM			
3	TM	Dichlorodifluoromethane	0.1640	0.1511	0.1507	0.1699	0.1185	0.1266	0.1295	0.1331	0.1295		0.14	13	TM			
4	TML	Freon 114	0.1665	0.1422	0.1337	0.1498	0.0974	0.1072	0.1034	0.0936			0.12	22	TM	0.997		
5	TM**L	Chloromethane	0.1697	0.1403	0.1382	0.1428	0.1155	0.1074	0.0955	0.0911			0.13	22	TM**	0.998		
6	TM*	Vinyl chloride	0.1418	0.1331	0.1326	0.1321	0.1166	0.1091	0.1087	0.1085	0.1064		0.12	11	TM*			
7		Butane																
8	TML	2-Chloro-1,1,1-trifluoroethane													TM			
9	TML	Bromomethane	0.1563	0.1304	0.0919	0.0639	0.0474	0.0368	0.0312	0.0297	0.0277		0.07	70	TM	0.999		
10	TMQ	Chloroethane	0.0342	0.0382	0.0295	0.0299	0.0256	0.0205	0.0162	0.0118	0.0072		0.02	44	TM	0.991		
11	TML	Dichlorofluoromethane	0.2923	0.3259	0.2788	0.2780	0.2469	0.2437	0.2294	0.2181			0.26	14	TM	0.999		
12	TM	Trichlorofluoromethane	0.2220	0.2348	0.2270	0.2399	0.2124	0.2094	0.2050	0.2024	0.1846		0.22	8.1	TM			
13	TML	Pentane													TM			
14	TML	Diethyl ether			0.0117	0.0129	0.0142	0.0145	0.0152	0.0158	0.0159		0.01	11	TM	1.000		
15	TML	1,2 Dichlorotrifluoroethane	0.2923	0.3259	0.2788	0.2780	0.2469	0.2437	0.2294	0.2181	0.1805		0.25	17	TM	0.993		
16	TM	Acrolein	0.0062	0.0066	0.0067	0.0068	0.0068	0.0067	0.0067	0.0062	0.0063		0.01	3.8	TM			
17	TM	Acetone	0.0175	0.0210	0.0192	0.0183	0.0182	0.0183	0.0182	0.0176	0.0173		0.02	6.2	TM			
18	TM	Freon-113	0.0802	0.0746	0.0729	0.0658	0.0542	0.0627	0.0609	0.0612	0.0555		0.07	14	TM			
19	TM*	1,1-DCE	0.1801	0.1819	0.1838	0.1880	0.1558	0.1561	0.1565	0.1491	0.1390		0.17	11	TM*			
20	TML	2-Propanol													TM			
21	TMQ	Acetonitrile	0.0066	0.0041	0.0034	0.0031	0.0026	0.0022	0.0022	0.0019	0.0016		0.00	50	TM	0.990		
22	TM	t-Butanol	0.0026	0.0023	0.0023	0.0023	0.0024	0.0025	0.0025	0.0025	0.0021		0.00	6.6	TM			
23	TML	Methyl Acetate	0.0585	0.0545	0.0506	0.0482	0.0477	0.0463	0.0454	0.0452	0.0457		0.05	9.4	TM	1.00		
24	TML	Iodomethane	0.1119	0.1100	0.0929	0.0859	0.0815	0.0881	0.0872	0.0899	0.0793		0.09	13	TM	0.997		
25	TML	Acrylonitrile		0.0090	0.0200	0.0259	0.0249	0.0251	0.0252	0.0245	0.0228		0.02	25	TM	0.999		
26	TML	Methylene chloride	0.1602	0.1571	0.1521	0.1452	0.1294	0.1235	0.1156	0.1102	0.1023		0.13	16	TM	0.999		
27	TML	Carbon disulfide	0.3240	0.2894	0.2704	0.2777	0.1923	0.1959	0.1873	0.1828	0.1665		0.23	25	TM	0.999		
28	TM	Methyl t-butyl ether (MtBE)	0.2660	0.2186	0.2343	0.2385	0.2435	0.2574	0.2626	0.2712	0.2664		0.25	7.2	TM			
29	TM	Trans-1,2-DCE	0.1928	0.1849	0.1823	0.1821	0.1604	0.1556	0.1518	0.1466	0.1350		0.17	12	TM			
30	TML	Hexane	0.1230	0.2071	0.2150	0.2271	0.2307	0.2535	0.2565	0.2624	0.2481		0.22	19	TM	0.999		
31	TM	Diisopropyl Ether	0.2007	0.2157	0.2281	0.2183	0.2239	0.2339	0.2390	0.2428	0.2416		0.23	6.1	TM			
32	TM**L	2,2-Dichloro-1,1,1-trifluoroetha	0.0109	0.0083	0.0126	0.0151	0.0129	0.0137	0.0126	0.0122	0.0106		0.01	16	TM**	0.996		
33	TM**	1,1-DCA	0.2320	0.2360	0.2323	0.2317	0.2165	0.2099	0.2007	0.1956	0.1833		0.22	8.9	TM**			
34	TM	Vinyl Acetate	0.1894	0.1936	0.1770	0.1691	0.1706	0.1811	0.1819	0.1837	0.1763		0.18	4.5	TM			
35	TM	Ethyl tert Butyl Ether	0.2152	0.2343	0.2313	0.2396	0.2437	0.2615	0.2680	0.2752	0.2771		0.25	8.7	TM			

VOLATILE ORGANIC ANALYSIS
VOLATILE ORGANIC COMPOUNDS

Form 6
Initial Calibration

Lab Name: APPL, Inc. SDG No:
Case No: Initial Cal. Date: 12/6/2021
Matrix: WATER Instrument: Zeus Initials: MH

		Compound	1	2	3	4	5	6	7	8	9		Avg	%RSD	Type		Q	MRF
36	TML	MEK (2-Butanone)	0.0036	0.0070	0.0074	0.0074	0.0081	0.0092	0.0095	0.0100	0.0106		0.01	26	TM	0.993		
37	TM	Cis-1,2-DCE	0.2141	0.2028	0.2025	0.1990	0.1874	0.1845	0.1781	0.1728	0.1615		0.19	8.9	TM			
38	TM	2,2-Dichloropropane	0.1985	0.2119	0.2074	0.2063	0.1901	0.1938	0.1895	0.1842	0.1725		0.19	6.4	TM			
39	TML	2-Methylpentane	0.0539	0.0882	0.0814	0.0860	0.0857	0.0905	0.0907	0.0950	0.0893		0.08	14	TM	0.999		
40	TML	3-Methylpentane	0.1056	0.1831	0.1968	0.2257	0.2198	0.2320	0.2392	0.2496	0.2385		0.21	21	TM	1.000		
41	TM*	Chloroform	0.2506	0.2618	0.2470	0.2503	0.2381	0.2383	0.2303	0.2228	0.2092		0.24	6.7	TM*			
42	TM	Bromochloromethane	0.0677	0.0811	0.0821	0.0797	0.0795	0.0779	0.0741	0.0722	0.0677		0.08	7.3	TM			
43	SL	Dibromofluoromethane(S)	0.1704	0.1728	0.2228	0.2153	0.2474	0.2418	0.2463	0.2400	0.2377		0.22	14	S	0.999		
44	TM	1,1,1-TCA	0.1964	0.2170	0.2214	0.2238	0.2077	0.2187	0.2161	0.2113	0.1989		0.21	4.6	TM			
45	TML	Cyclohexane	0.2236	0.2306	0.2099	0.2239	0.1746	0.1971	0.2013	0.1984			0.21	8.9	TM	1.000		
46	TM	1,1-Dichloropropene	0.1788	0.1769	0.1831	0.1818	0.1627	0.1752	0.1794	0.1793	0.1685		0.18	3.7	TM			
47	TM	2,2,4-Trimethylpentane	0.4350	0.4379	0.4006	0.4414	0.3292	0.3832	0.3977	0.3990	0.3899		0.40	8.7	TM			
48	S	1,2-DCA-D4(S)	0.1414	0.1477	0.1850	0.1824	0.2069	0.2047	0.2085	0.2043	0.2016		0.19	14	S			
49	TM	Carbon Tetrachloride	0.1590	0.1814	0.1869	0.1931	0.1789	0.1868	0.1893	0.1879	0.1779		0.18	5.5	TM			
50	TM	Tert Amyl Methyl Ether	0.2769	0.2760	0.2624	0.2651	0.2649	0.2810	0.2893	0.2990	0.3068		0.28	5.6	TM			
51	TML	Methylcyclopentane	0.1230	0.2071	0.2150	0.2271	0.2307	0.2535	0.2565	0.2624	0.2481		0.22	19	TM	0.999		
52	TM	1,2-DCA	0.1468	0.1465	0.1419	0.1438	0.1393	0.1373	0.1312	0.1271	0.1214		0.14	6.5	TM			
53	TM	Benzene	0.6459	0.6323	0.6321	0.5969	0.5735	0.5824	0.5744	0.5648	0.5344		0.59	6.2	TM			
54	TM	TCE	0.1754	0.1878	0.1834	0.1886	0.1734	0.1847	0.1861	0.1866	0.1764		0.18	3.2	TM			
55	TM	2-Pentanone	0.0354	0.0361	0.0382	0.0392	0.0431	0.0455	0.0493	0.0511	0.0527		0.04	15	TM			
56	TM*	1,2-Dichloropropane	0.1174	0.1250	0.1349	0.1349	0.1300	0.1364	0.1333	0.1311	0.1249		0.13	4.8	TM*			
57	TM	Bromodichloromethane	0.1452	0.1526	0.1540	0.1490	0.1558	0.1630	0.1634	0.1674	0.1641		0.16	4.9	TM			
58	TM	Methyl Cyclohexane	0.2560	0.2546	0.2567	0.2794	0.2132	0.2458	0.2582	0.2608	0.2539		0.25	6.9	TM			
59	TML	Dibromomethane	0.0949	0.0946	0.1051	0.1005	0.0974	0.0983	0.0975	0.0963	0.0936		0.10	3.6	TM	1.000		
60	TML	MIBK (methyl isobutyl ketone)	0.0387	0.0539	0.0569	0.0573	0.0605	0.0643	0.0679	0.0680	0.0704		0.06	16	TM	0.998		
61	TML	1-Bromo-2-chloroethane	0.0045	0.0070	0.0128	0.0196	0.0215	0.0228	0.0229	0.0230	0.0228		0.02	42	TM	1.00		
62	TML	2-Chloroethyl vinyl ether	0.0278	0.0311	0.0300	0.0310	0.0332	0.0347	0.0375	0.0373	0.0391		0.03	12	TM	0.996		
63	TM	Cis-1,3-Dichloropropene	0.1967	0.2037	0.1917	0.1896	0.1960	0.2107	0.2166	0.2223	0.2186		0.21	6.0	TM			
64	TM*	Toluene	0.8560	0.7819	0.7677	0.7522	0.6946	0.6968	0.6814	0.6650	0.6261		0.72	9.8	TM*			
65	TM	Trans-1,3-Dichloropropene	0.1656	0.1575	0.1595	0.1542	0.1618	0.1758	0.1814	0.1885	0.1882		0.17	7.9	TM			
66	TM	1,1,2-TCA	0.1223	0.1203	0.1120	0.1079	0.1134	0.1165	0.1190	0.1198	0.1176		0.12	4.0	TM			
67	TML	2-Hexanone	0.0183	0.0240	0.0255	0.0256	0.0272	0.0291	0.0302	0.0305	0.0310		0.03	15	TM	0.998		
68	I	Chlorobenzene-D5 (IS)																
69	SL	Toluene-D8(S)	0.7983	0.8206	1.050	1.051	1.217	1.212	1.270	1.261	1.258		1.1	17	S	1.000		
70	TML	1,2-EDB	0.0931	0.1050	0.1115	0.1082	0.1150	0.1236	0.1296	0.1352	0.1354		0.12	12	TM	1.000		

VOLATILE ORGANIC ANALYSIS
VOLATILE ORGANIC COMPOUNDS

Form 6
Initial Calibration

Lab Name: APPL, Inc. SDG No:
Case No: Initial Cal. Date: 12/6/2021
Matrix: WATER Instrument: Zeus Initials: MH

		Compound	1	2	3	4	5	6	7	8	9		Avg	%RSD	Type		Q	MRF
71	TML	Tetrachloroethene	0.2532	0.2372	0.2432	0.2351	0.2205	0.2294	0.2307	0.2328	0.2240		0.23	4.2	TM	1.000		
72	TML	1-Chlorohexane	0.2724	0.2747	0.2670	0.2721	0.2577	0.2660	0.2695	0.2733	0.2591		0.27	2.3	TM	1.000		
73	TML	1,1,1,2-Tetrachloroethane	0.1181	0.1250	0.1405	0.1332	0.1481	0.1553	0.1666	0.1752	0.1791		0.15	15	TM	1.000		
74	TM	m&p-Xylene	0.7394	0.7266	0.6954	0.7124	0.6839	0.7016	0.7029	0.6981	0.6579		0.70	3.4	TM			
75	TM	o-Xylene	0.7949	0.7438	0.6994	0.7089	0.6891	0.6983	0.7040	0.7028	0.6727		0.71	5.1	TM			
76	TML	Styrene	0.4855	0.4578	0.4472	0.4724	0.4742	0.5033	0.5290	0.5527	0.5500		0.50	7.9	TM	1.000		
77	SL	4-Bromofluorobenzene(S)	0.3265	0.3292	0.4231	0.4275	0.4960	0.4958	0.5208	0.5195	0.5192		0.45	18	S	1.000		
78	TM	1,3-Dichloropropane	0.2062	0.2006	0.2026	0.2032	0.2160	0.2250	0.2336	0.2380	0.2328		0.22	6.9	TM			
79	TML	Dibromochloromethane	0.0886	0.0951	0.1089	0.1132	0.1207	0.1290	0.1403	0.1502	0.1553		0.12	19	TM	1.000		
80	TM**	Chlorobenzene	0.5873	0.6025	0.5800	0.5568	0.5358	0.5470	0.5444	0.5382	0.5169		0.56	5.0	TM**			
81	TM*	Ethylbenzene	1.479	1.453	1.391	1.425	1.368	1.403	1.409	1.399	1.317		1.4	3.3	TM*			
82	TM**L	Bromoform	0.0307	0.0530	0.0558	0.0618	0.0701	0.0758	0.0852	0.0917	0.1012		0.07	31	TM**	0.998		
83	I	1,4-Dichlorobenzene-D (IS)																
84	TM	Isopropylbenzene	2.718	2.728	2.688	2.657	2.544	2.742	2.815	2.913	2.837		2.7	4.0	TM			
85	TM**L	1,1,2,2-Tetrachloroethane	0.3062	0.3598	0.3533	0.3396	0.3710	0.4066	0.4216	0.4471	0.4591		0.38	13	TM**	1.000		
86	TML	1,2,3-Trichloropropane	0.0160	0.1061	0.1371	0.1254	0.1377	0.1427	0.1487	0.1523	0.1555		0.12	35	TM	1.000		
87	TML	t-1,4-Dichloro-2-Butene	0.0293	0.0394	0.0553	0.0705	0.0931	0.1010	0.1047	0.1097	0.1118		0.08	40	TM	1.000		
88	TML	Bromobenzene	1.034	0.9811	0.9267	0.8756	0.8808	0.9181	0.9032	0.9287	0.9124		0.93	5.4	TM	1.000		
89	TM	n-Propylbenzene	3.326	3.350	3.312	3.122	3.039	3.187	3.272	3.355	3.284		3.2	3.4	TM			
90	TM	4-Ethyltoluene	2.911	2.782	2.687	2.693	2.627	2.770	2.802	2.851	2.784		2.8	3.2	TM			
91	TML	2-Chlorotoluene	2.224	2.257	2.151	2.057	2.074	2.114	2.134	2.157	2.093		2.1	3.1	TM	1.000		
92	TM	1,3,5-Trimethylbenzene	2.134	2.216	2.174	2.126	2.153	2.262	2.326	2.388	2.328		2.2	4.3	TM			
93	TM	4-Chlorotoluene	2.224	2.257	2.151	2.057	2.074	2.114	2.134	2.157	2.093		2.1	3.1	TM			
94	TM	Tert-Butylbenzene	2.123	2.199	2.134	2.062	2.011	2.086	2.176	2.219	2.185		2.1	3.3	TM			
95	TM	1,2,4-Trimethylbenzene	1.995	1.967	1.991	2.046	2.004	2.165	2.264	2.336	2.323		2.1	7.2	TM			
96	TM	Sec-Butylbenzene	2.962	3.061	2.993	2.882	2.838	3.045	3.133	3.195	3.131		3.0	3.9	TM			
97	TM	p-Isopropyltoluene	2.123	2.199	2.134	2.062	2.011	2.086	2.176	2.219	2.185		2.1	3.3	TM			
98	TML	Benzyl Chloride	0.8056	0.7997	0.7983	0.7474	0.8090	0.8571	0.9194	1.001	1.066		0.87	12	TM	0.999		
99	TM	1,3-DCB	1.406	1.374	1.434	1.307	1.284	1.322	1.322	1.345	1.321		1.3	3.6	TM			
100	TM	1,4-DCB	1.574	1.480	1.434	1.348	1.313	1.318	1.323	1.340	1.312		1.4	6.7	TM			
101	TM	n-Butylbenzene	2.024	1.999	2.027	2.018	2.008	2.250	2.355	2.425	2.410		2.2	8.7	TM			
102	TM	1,2-DCB	1.249	1.237	1.276	1.172	1.172	1.201	1.200	1.224	1.196		1.2	2.9	TM			
103	TML	Hexachloroethane	0.1374	0.2456	0.2819	0.2805	0.2946	0.3260	0.3600	0.4015	0.4485		0.31	29	TM	0.997		
104	TML	1,2-Dibromo-3-chloropropane		0.0116	0.0553	0.0646	0.0712	0.0769	0.0854	0.0937	0.1002		0.07	40	TM	0.999		
105	TM	1,2,4-Trichlorobenzene	0.9423	0.9490	0.9214	0.9117	0.8905	0.9475	0.9639	0.9967	1.013		0.95	4.1	TM			

VOLATILE ORGANIC ANALYSIS
VOLATILE ORGANIC COMPOUNDS

Form 6
Initial Calibration

Lab Name: APPL, Inc. SDG No:
Case No: Initial Cal. Date: 12/6/2021
Matrix: WATER Instrument: Zeus Initials: MH

		Compound	1	2	3	4	5	6	7	8	9		Avg	%RSD	Type		Q	MRF
106	TML	Hexachlorobutadiene	0.4241	0.4287	0.4391	0.4284	0.4026	0.4460	0.4647	0.4752	0.4782		0.44	5.7	TM	1.000		
107	TM	Naphthalene	1.578	1.498	1.401	1.371	1.427	1.556	1.665	1.773	1.838		1.6	10	TM			
108	TML	1,2,3-Trichlorobenzene	0.7317	0.7154	0.6862	0.6621	0.6696	0.7144	0.7279	0.7510	0.7632		0.71	4.9	TM	1.000		
109																		
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Quantitation Report (Not Reviewed)

Data File : M:\ZEUS\DATA\211206\1206Z17.D Vial: 2
Acq On : 06 Dec 21 15:48 Operator: MH
Sample : 0.3ug/L VOC STD 12/6/21 Inst : Zeus
Misc : Multiplr: 1.00

Quant Time: Dec 7 9:23 2021 Quant Results File: Z120621W.RE

Quant Method : M:\ZEUS\DATA\211206\Z120621W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Dec 07 09:23:27 2021
Response via : Initial Calibration
DataAcq Meth : 082421_Z8260.M

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene (IS)	6.09	96	367811	25.000	ppb		0.00
68) Chlorobenzene-D5 (IS)	9.58	117	347235	25.000	ppb		0.00
83) 1,4-Dichlorobenzene-D (IS)	12.14	152	119472	25.000	ppb		0.00
System Monitoring Compounds							
43) Dibromofluoromethane(S)	5.23	111	12538	4.138	ppb		0.00
Spiked Amount 25.000			Recovery =	16.552%			
48) 1,2-DCA-D4(S)	5.65	65	10399	3.781	ppb		0.00
Spiked Amount 25.000			Recovery =	15.124%			
69) Toluene-D8(S)	7.98	98	55440	4.688	ppb		0.00
Spiked Amount 25.000			Recovery =	18.752%			
77) 4-Bromofluorobenzene(S)	10.88	95	22674	4.824	ppb		0.00
Spiked Amount 25.000			Recovery =	19.296%			
Target Compounds							Qvalue
3) Dichlorodifluoromethane	1.00	85	724	0.348	ppb		97
4) Freon 114	1.09	85	735	-0.181	ppb		87
5) Chloromethane	1.13	50	749	-0.608	ppb		95
6) Vinyl chloride	1.21	62	626	0.352	ppb		90
9) Bromomethane	1.45	94	690	-1.007	ppb	#	71
10) Chloroethane	1.54	66	189	182.340	ppb	#	42
11) Dichlorofluoromethane	1.71	67	1290	-1.714	ppb	#	84
12) Trichlorofluoromethane	1.74	101	980	0.309	ppb		86
15) 1,2 Dichlorotrifluoroethan	2.04	67	547	-1.992	ppb	#	98
16) Acrolein	2.13	55	908	9.425	ppb	#	68
17) Acetone	2.29	43	1284	4.743	ppb	#	73
18) Freon-113	2.22	101	354	0.368	ppb	#	86
19) 1,1-DCE	2.20	61	795	0.326	ppb		89
21) Acetonitrile	2.56	40	966	11.087	ppb	#	8
22) t-Butanol	2.94	59	383	10.844	ppb	#	57
23) Methyl Acetate	2.64	43	258	0.317	ppb	#	40
24) Iodomethane	2.33	142	494	-0.408	ppb	#	82
26) Methylene chloride	2.72	49	707	-0.764	ppb		93
27) Carbon disulfide	2.39	76	1430	-0.695	ppb	#	93
28) Methyl t-butyl ether (MtBE	3.08	73	1174	0.318	ppb	#	47
29) Trans-1,2-DCE	3.04	61	851	0.349	ppb		96
31) Diisopropyl Ether	3.79	45	886	0.265	ppb		98
32) 2,2-Dichloro-1,1,1-trifluo	1.71	83	48	-1.219	ppb	#	21
33) 1,1-DCA	3.61	63	1024	0.323	ppb	#	83
34) Vinyl Acetate	3.78	43	836	0.315	ppb	#	74
35) Ethyl tert Butyl Ether	4.37	59	950	0.259	ppb		95
36) MEK (2-Butanone)	4.62	72	268	8.182	ppb	#	49

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

Data File : M:\ZEUS\DATA\211206\1206Z17.D Vial: 2
Acq On : 06 Dec 21 15:48 Operator: MH
Sample : 0.3ug/L VOC STD 12/6/21 Inst : Zeus
Misc : Multiplr: 1.00

Quant Time: Dec 7 9:23 2021 Quant Results File: Z120621W.RES

Quant Method : M:\ZEUS\DATA\211206\Z120621W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Dec 07 09:23:27 2021
Response via : Initial Calibration
DataAcq Meth : 082421_Z8260.M

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
37)	Cis-1,2-DCE	4.52	61	945	0.340	ppb		85
38)	2,2-Dichloropropane	4.50	77	876	0.305	ppb	#	52
40)	3-Methylpentane	3.03	57	466	0.186	ppb	#	76
41)	Chloroform	5.01	83	1106	0.315	ppb		91
42)	Bromochloromethane	4.86	49	299	0.268	ppb	#	83
44)	1,1,1-TCA	5.20	97	867	0.277	ppb	#	75
45)	Cyclohexane	5.25	56	987	0.346	ppb	#	76
46)	1,1-Dichloropropene	5.43	75	789	0.304	ppb	#	51
47)	2,2,4-Trimethylpentane	5.85	57	1920	0.325	ppb		93
49)	Carbon Tetrachloride	5.42	117	702	0.262	ppb		88
50)	Tert Amyl Methyl Ether	5.92	73	1222	0.296	ppb		98
52)	1,2-DCA	5.75	62	648	0.321	ppb	#	64
53)	Benzene	5.70	78	2851	0.327	ppb		95
54)	TCE	6.54	130	774	0.288	ppb	#	85
55)	2-Pentanone	6.84	43	5210	8.158	ppb		99
56)	1,2-Dichloropropane	6.81	63	518	0.271	ppb	#	81
57)	Bromodichloromethane	7.17	83	641	0.277	ppb		100
58)	Methyl Cyclohexane	6.74	83	1130	0.303	ppb		99
60)	MIBK (methyl isobutyl ket	7.91	43	2850	6.840	ppb	#	93
61)	1-Bromo-2-chloroethane	7.50	144	20	0.258	ppb	#	13
62)	2-Chloroethyl vinyl ether	7.57	43	2048	7.730	ppb		89
63)	Cis-1,3-Dichloropropene	7.70	75	868	0.288	ppb	#	89
64)	Toluene	8.05	91	3778	0.354	ppb		98
65)	Trans-1,3-Dichloropropene	8.35	75	731	0.292	ppb	#	85
66)	1,1,2-TCA	8.55	97	540	0.315	ppb	#	82
67)	2-Hexanone	8.86	58	1345	6.710	ppb	#	91
70)	1,2-EDB	9.07	107	388	0.648	ppb	#	70
71)	Tetrachloroethene	8.66	166	1055	0.112	ppb	#	79
73)	1,1,1,2-Tetrachloroethane	9.72	131	492	0.861	ppb		92
74)	m&p-Xylene	9.88	91	6162	0.632	ppb		94
75)	o-Xylene	10.31	91	3312	0.335	ppb		91
76)	Styrene	10.33	104	2023	0.639	ppb		99
78)	1,3-Dichloropropane	8.72	76	859	0.284	ppb	#	83
79)	Dibromochloromethane	8.95	129	369	1.036	ppb		86
80)	Chlorobenzene	9.62	112	2447	0.317	ppb		94
81)	Ethylbenzene	9.88	91	6162	0.316	ppb		94
82)	Bromoform	10.52	173	128	1.500	ppb		88
84)	Isopropylbenzene	10.73	105	3896	0.298	ppb		94
85)	1,1,2,2-Tetrachloroethane	11.07	83	439	0.887	ppb	#	73
86)	1,2,3-Trichloropropane	11.10	110	23	0.516	ppb	#	47
87)	t-1,4-Dichloro-2-Butene	11.14	53	42	0.789	ppb	#	9
88)	Bromobenzene	11.03	77	1483	0.330	ppb	#	75

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

Quantitation Report (Not Reviewed)

Data File : M:\ZEUS\DATA\211206\1206Z17.D Vial: 2
Acq On : 06 Dec 21 15:48 Operator: MH
Sample : 0.3ug/L VOC STD 12/6/21 Inst : Zeus
Misc : Multiplr: 1.00

Quant Time: Dec 7 9:23 2021 Quant Results File: Z120621W.RE

Quant Method : M:\ZEUS\DATA\211206\Z120621W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Dec 07 09:23:27 2021
Response via : Initial Calibration
DataAcq Meth : 082421_Z8260.M

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
89)	n-Propylbenzene	11.18	91	4769	0.307	ppb		96
90)	4-Ethyltoluene	11.30	105	4173	0.316	ppb		99
91)	2-Chlorotoluene	11.37	91	3189	0.181	ppb		98
92)	1,3,5-Trimethylbenzene	11.37	105	3059	0.287	ppb		94
93)	4-Chlorotoluene	11.37	91	3189	0.312	ppb		98
94)	Tert-Butylbenzene	11.73	119	3043	0.299	ppb		93
95)	1,2,4-Trimethylbenzene	11.77	105	2860	0.282	ppb		97
96)	Sec-Butylbenzene	11.96	105	4247	0.294	ppb		97
97)	p-Isopropyltoluene	11.73	119	3043	0.299	ppb	#	88
98)	Benzyl Chloride	12.33	91	1155	1.286	ppb	#	64
99)	1,3-DCB	12.07	146	2016	0.313	ppb		92
100)	1,4-DCB	12.17	146	2257	0.342	ppb	#	90
101)	n-Butylbenzene	12.57	91	2902	0.280	ppb		97
102)	1,2-DCB	12.57	146	1790	0.309	ppb	#	79
103)	Hexachloroethane	12.85	201	197	1.656	ppb	#	57
105)	1,2,4-Trichlorobenzene	13.64	180	1351	0.298	ppb		82
106)	Hexachlorobutadiene	14.52	225	608	0.606	ppb	#	88
107)	Naphthalene	14.60	128	2263	0.302	ppb	#	69
108)	1,2,3-Trichlorobenzene	14.86	180	1049	0.668	ppb	#	79

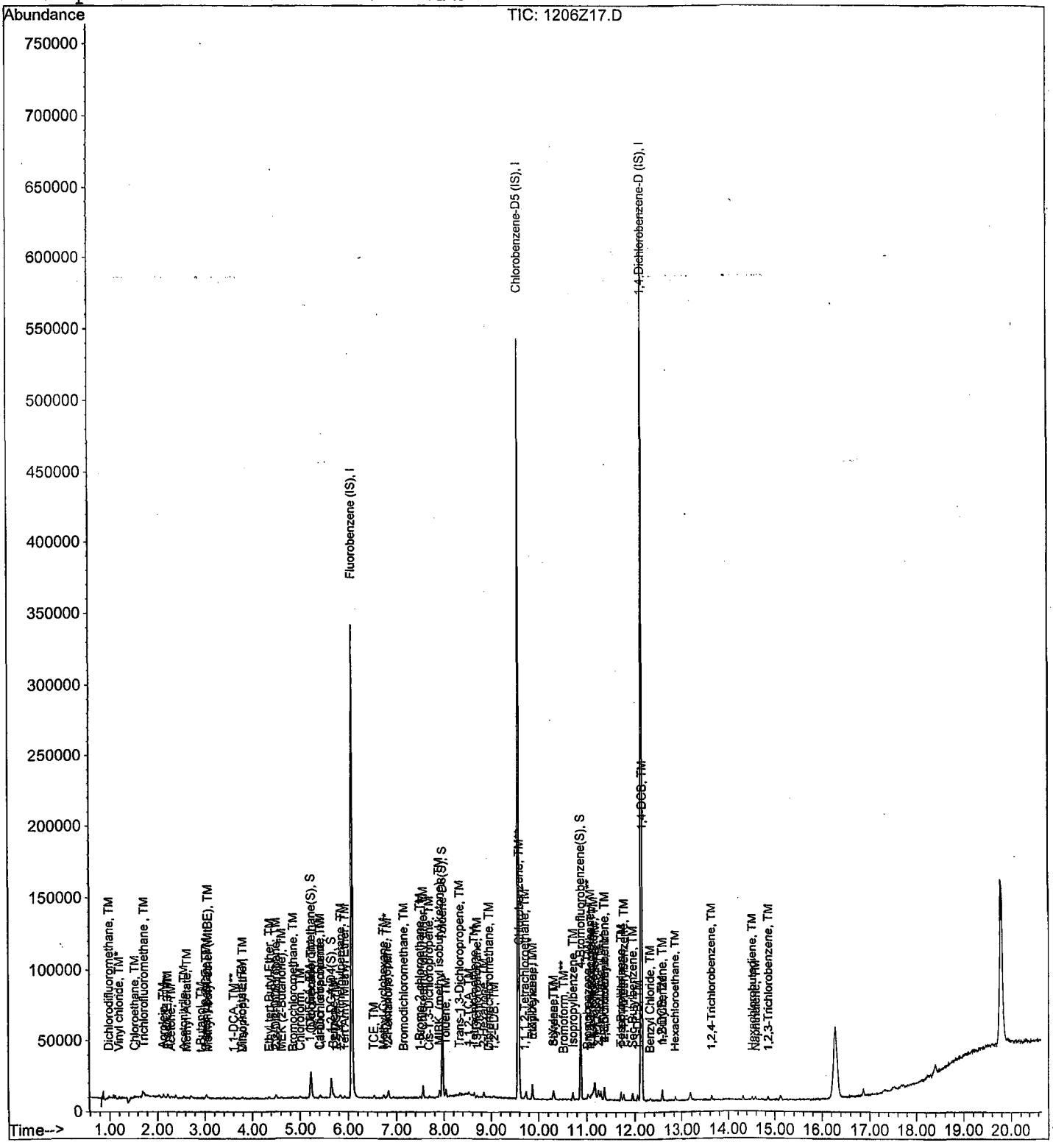
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\ZEUS\DATA\211206\1206Z17.D Vial: 2
Acq On : 06 Dec 21 15:48 Operator: MH
Sample : 0.3ug/L VOC STD 12/6/21 Inst : Zeus
Misc : Multiplr: 1.00

Quant Time: Dec 7 9:23 2021 Quant Results File: Z120621W.RE

Method : M:\ZEUS\DATA\211206\Z120621W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Dec 07 09:28:24 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\ZEUS\DATA\211206\1206Z18.D Vial: 3
Acq On : 06 Dec 21 16:12 Operator: MH
Sample : 0.5ug/L VOC STD 12/6/21 Inst : Zeus
Misc : Multiplr: 1.00

Quant Time: Dec 7 9:23 2021 Quant Results File: Z120621W.RES

Quant Method : M:\ZEUS\DATA\211206\Z120621W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Dec 07 09:23:27 2021
Response via : Initial Calibration
DataAcq Meth : 082421_Z8260.M

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene (IS)	6.09	96	366661	25.000	ppb		0.00
68) Chlorobenzene-D5 (IS)	9.58	117	344388	25.000	ppb		0.00
83) 1,4-Dichlorobenzene-D (IS)	12.14	152	116856	25.000	ppb		0.00
System Monitoring Compounds							
43) Dibromofluoromethane(S)	5.23	111	12671	4.187	ppb		0.00
Spiked Amount 25.000			Recovery =	16.748%			
48) 1,2-DCA-D4(S)	5.66	65	10832	3.951	ppb		0.00
Spiked Amount 25.000			Recovery =	15.804%			
69) Toluene-D8(S)	7.98	98	56522	4.774	ppb		0.00
Spiked Amount 25.000			Recovery =	19.096%			
77) 4-Bromofluorobenzene(S)	10.89	95	22676	4.849	ppb		0.00
Spiked Amount 25.000			Recovery =	19.396%			
Target Compounds							Qvalue
3) Dichlorodifluoromethane	1.00	85	1108	0.534	ppb		96
5) Chloromethane	1.13	50	1029	-0.388	ppb		94
6) Vinyl chloride	1.21	62	976	0.550	ppb	#	68
9) Bromomethane	1.45	94	956	-0.333	ppb		80
10) Chloroethane	1.54	66	254	182.049	ppb	#	64
11) Dichlorofluoromethane	1.71	67	2390	-1.301	ppb	#	86
12) Trichlorofluoromethane	1.74	101	1722	0.545	ppb		91
15) 1,2 Dichlorotrifluoroethan	2.03	67	1260	-1.724	ppb	#	82
16) Acrolein	2.13	55	2435	25.354	ppb		92
17) Acetone	2.28	43	3086	11.435	ppb		87
18) Freon-113	2.22	101	547	0.571	ppb		87
19) 1,1-DCE	2.20	61	1334	0.549	ppb	#	90
21) Acetonitrile	2.58	40	1500	23.662	ppb	#	52
22) t-Butanol	2.93	59	849	24.114	ppb		95
23) Methyl Acetate	2.64	43	400	0.530	ppb	#	40
24) Iodomethane	2.33	142	807	-0.140	ppb	#	75
25) Acrylonitrile	3.04	52	66	-0.530	ppb	#	48
26) Methylene chloride	2.72	49	1152	-0.465	ppb		91
27) Carbon disulfide	2.39	76	2122	-0.410	ppb		96
28) Methyl t-butyl ether (MtBE	3.08	73	1603	0.436	ppb	#	82
29) Trans-1,2-DCE	3.05	61	1356	0.558	ppb	#	79
30) Hexane	4.31	56	1519	0.298	ppb	#	73
31) Diisopropyl Ether	3.80	45	1582	0.475	ppb		91
32) 2,2-Dichloro-1,1,1-trifluo	1.71	83	61	-1.135	ppb	#	21
33) 1,1-DCA	3.62	63	1731	0.548	ppb	#	83
34) Vinyl Acetate	3.78	43	1420	0.537	ppb	#	74
35) Ethyl tert Butyl Ether	4.37	59	1718	0.469	ppb		95

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

Quantitation Report (Not Reviewed)

Data File : M:\ZEUS\DATA\211206\1206Z18.D Vial: 3
Acq On : 06 Dec 21 16:12 Operator: MH
Sample : 0.5ug/L VOC STD 12/6/21 Inst : Zeus
Misc : Multiplr: 1.00

Quant Time: Dec 7 9:23 2021 Quant Results File: Z120621W.RE

Quant Method : M:\ZEUS\DATA\211206\Z120621W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Dec 07 09:23:27 2021
Response via : Initial Calibration
DataAcq Meth : 082421_Z8260.M

Compound	R.T.	QIon	Response	Conc Unit		Qvalue
36) MEK (2-Butanone)	4.61	72	1022	12.891 ppb		95
37) Cis-1,2-DCE	4.52	61	1487	0.536 ppb	#	80
38) 2,2-Dichloropropane	4.50	77	1554	0.544 ppb	#	36
39) 2-Methylpentane	2.74	42	647	0.344 ppb	#	71
40) 3-Methylpentane	3.04	57	1343	0.436 ppb	#	86
41) Chloroform	5.01	83	1920	0.548 ppb		93
42) Bromochloromethane	4.86	49	595	0.535 ppb	#	81
44) 1,1,1-TCA	5.21	97	1591	0.511 ppb		98
45) Cyclohexane	5.25	56	1691	0.588 ppb	#	83
46) 1,1-Dichloropropene	5.43	75	1297	0.502 ppb		99
47) 2,2,4-Trimethylpentane	5.83	57	3211	0.545 ppb		95
49) Carbon Tetrachloride	5.42	117	1330	0.497 ppb		82
50) Tert Amyl Methyl Ether	5.93	73	2024	0.493 ppb	#	89
51) Methylcyclopentane	4.31	56	1519	0.298 ppb	#	84
52) 1,2-DCA	5.76	62	1074	0.533 ppb	#	64
53) Benzene	5.70	78	4637	0.533 ppb		100
54) TCE	6.54	130	1377	0.514 ppb	#	82
55) 2-Pentanone	6.84	43	13234	20.787 ppb		93
56) 1,2-Dichloropropane	6.82	63	917	0.482 ppb	#	81
57) Bromodichloromethane	7.16	83	1119	0.485 ppb		92
58) Methyl Cyclohexane	6.75	83	1867	0.503 ppb		86
59) Dibromomethane	6.95	174	694	0.195 ppb		95
60) MIBK (methyl isobutyl ket	7.92	43	7912	11.637 ppb		96
61) 1-Bromo-2-chloroethane	7.51	144	51	0.351 ppb	#	13
62) 2-Chloroethyl vinyl ether	7.57	43	4556	12.044 ppb		90
63) Cis-1,3-Dichloropropene	7.70	75	1494	0.497 ppb		94
64) Toluene	8.05	91	5734	0.540 ppb		96
65) Trans-1,3-Dichloropropene	8.34	75	1155	0.463 ppb		96
66) 1,1,2-TCA	8.54	97	882	0.516 ppb	#	70
67) 2-Hexanone	8.86	58	3517	11.360 ppb		93
70) 1,2-EDB	9.07	107	723	0.829 ppb	#	87
71) Tetrachloroethene	8.66	166	1634	0.302 ppb		97
72) 1-Chlorohexane	9.62	91	1892	0.240 ppb	#	85
73) 1,1,1,2-Tetrachloroethane	9.72	131	861	1.012 ppb	#	80
74) m&p-Xylene	9.89	91	10009	1.035 ppb		97
75) o-Xylene	10.31	91	5123	0.522 ppb		86
76) Styrene	10.33	104	3153	0.790 ppb		98
78) 1,3-Dichloropropane	8.71	76	1382	0.461 ppb		90
79) Dibromochloromethane	8.96	129	655	1.170 ppb	#	81
80) Chlorobenzene	9.62	112	4150	0.541 ppb		99
81) Ethylbenzene	9.89	91	10009	0.517 ppb		97
82) Bromoform	10.52	173	365	1.671 ppb		97

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

Quantitation Report (Not Reviewed)

Data File : M:\ZEUS\DATA\211206\1206Z18.D Vial: 3
Acq On : 06 Dec 21 16:12 Operator: MH
Sample : 0.5ug/L VOC STD 12/6/21 Inst : Zeus
Misc : Multiplr: 1.00

Quant Time: Dec 7 9:23 2021 Quant Results File: Z120621W.RE

Quant Method : M:\ZEUS\DATA\211206\Z120621W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Dec 07 09:23:27 2021
Response via : Initial Calibration
DataAcq Meth : 082421_Z8260.M

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
84)	Isopropylbenzene	10.73	105	6375	0.498	ppb		95
85)	1,1,2,2-Tetrachloroethane	11.07	83	841	1.078	ppb	#	92
86)	1,2,3-Trichloropropane	11.10	110	248	0.826	ppb		96
87)	t-1,4-Dichloro-2-Butene	11.13	53	92	0.886	ppb		92
88)	Bromobenzene	11.03	77	2293	0.527	ppb		89
89)	n-Propylbenzene	11.18	91	7830	0.515	ppb		99
90)	4-Ethyltoluene	11.30	105	6502	0.503	ppb		93
91)	2-Chlorotoluene	11.37	91	5274	0.401	ppb		92
92)	1,3,5-Trimethylbenzene	11.37	105	5180	0.496	ppb		94
93)	4-Chlorotoluene	11.37	91	5274	0.527	ppb		92
94)	Tert-Butylbenzene	11.72	119	5139	0.516	ppb		98
95)	1,2,4-Trimethylbenzene	11.78	105	4597	0.464	ppb		91
96)	Sec-Butylbenzene	11.96	105	7155	0.506	ppb		92
97)	p-Isopropyltoluene	11.72	119	5139	0.516	ppb		96
98)	Benzyl Chloride	12.32	91	1869	1.435	ppb	#	86
99)	1,3-DCB	12.07	146	3211	0.510	ppb		94
100)	1,4-DCB	12.17	146	3460	0.535	ppb	#	88
101)	n-Butylbenzene	12.57	91	4671	0.461	ppb		98
102)	1,2-DCB	12.57	146	2892	0.510	ppb		92
103)	Hexachloroethane	12.85	201	574	1.838	ppb	#	93
104)	1,2-Dibromo-3-chloropropan	13.42	157	27	1.548	ppb	#	8
105)	1,2,4-Trichlorobenzene	13.65	180	2218	0.500	ppb		92
106)	Hexachlorobutadiene	14.53	225	1002	0.788	ppb		93
107)	Naphthalene	14.60	128	3502	0.478	ppb		95
108)	1,2,3-Trichlorobenzene	14.86	180	1672	0.849	ppb		88

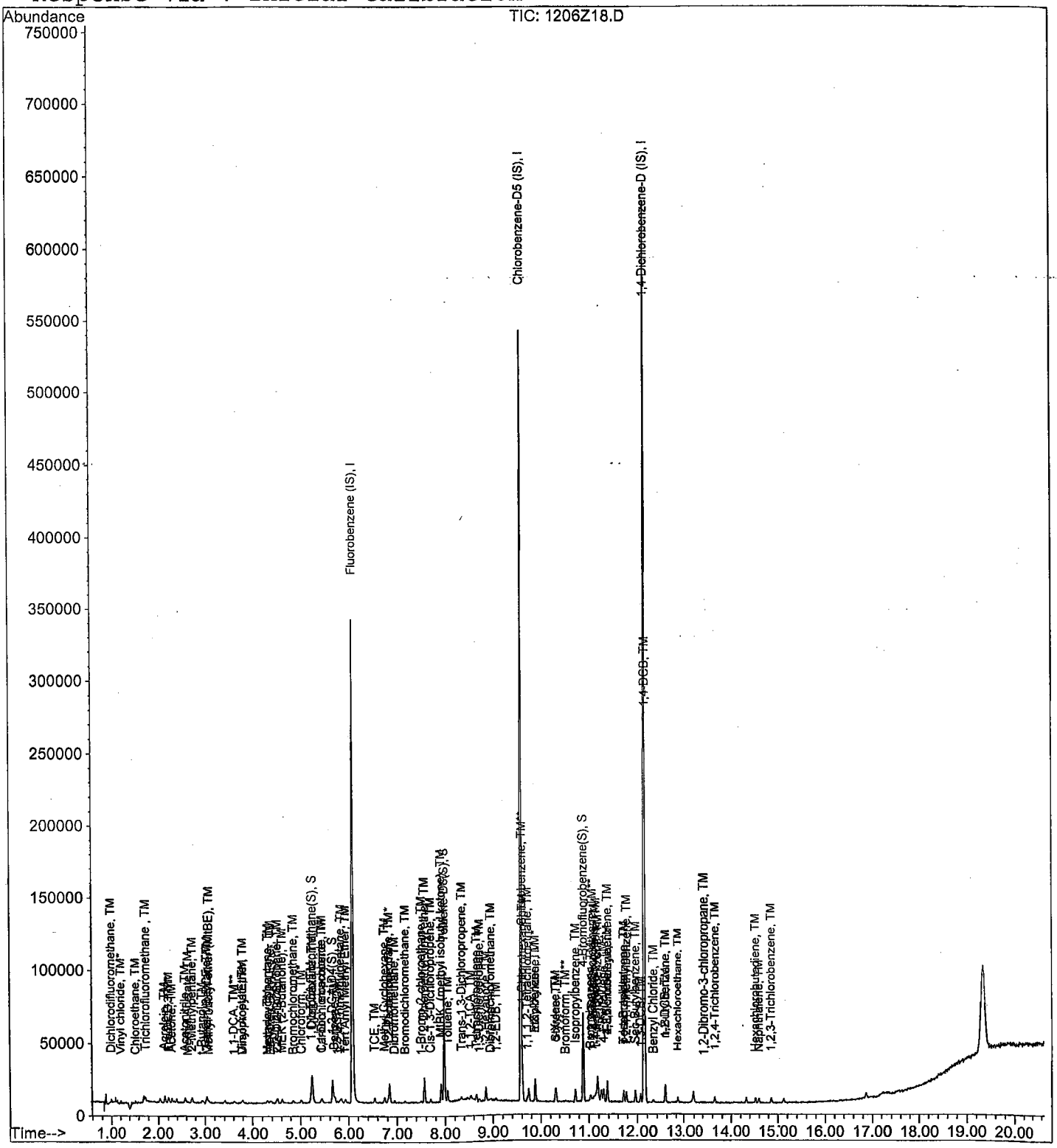
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\ZEUS\DATA\211206\1206Z18.D Vial: 3
Acq On : 06 Dec 21 16:12 Operator: MH
Sample : 0.5ug/L VOC STD 12/6/21 Inst : Zeus
Misc : Multiplr: 1.00

Quant Time: Dec 7 9:23 2021 Quant Results File: Z120621W.RE

Method : M:\ZEUS\DATA\211206\Z120621W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Dec 07 09:28:24 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\ZEUS\DATA\211206\1206Z19.D Vial: 4
Acq On : 06 Dec 21 16:36 Operator: MH
Sample : 1ug/L VOC STD 12/6/21 Inst : Zeus
Misc : Multiplr: 1.00

Quant Time: Dec 7 9:23 2021 Quant Results File: Z120621W.RE

Quant Method : M:\ZEUS\DATA\211206\Z120621W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Dec 07 09:23:27 2021
Response via : Initial Calibration
DataAcq Meth : 082421_Z8260.M

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene (IS)	6.09	96	371997	25.000	ppb		0.00
68) Chlorobenzene-D5 (IS)	9.58	117	345148	25.000	ppb		0.00
83) 1,4-Dichlorobenzene-D (IS)	12.14	152	117056	25.000	ppb		0.00
System Monitoring Compounds							
43) Dibromofluoromethane(S)	5.23	111	33149	9.823	ppb		0.00
Spiked Amount 25.000			Recovery =	39.292%			
48) 1,2-DCA-D4(S)	5.66	65	27522	9.894	ppb		0.00
Spiked Amount 25.000			Recovery =	39.576%			
69) Toluene-D8(S)	7.98	98	145028	9.746	ppb		0.00
Spiked Amount 25.000			Recovery =	38.984%			
77) 4-Bromofluorobenzene(S)	10.89	95	58408	9.709	ppb		0.00
Spiked Amount 25.000			Recovery =	38.836%			
Target Compounds							Qvalue
3) Dichlorodifluoromethane	1.00	85	2242	1.065	ppb		95
4) Freon 114	1.09	85	1989	0.712	ppb		95
5) Chloromethane	1.13	50	2057	0.392	ppb		98
6) Vinyl chloride	1.20	62	1973	1.096	ppb		92
9) Bromomethane	1.45	94	1367	0.650	ppb		89
10) Chloroethane	1.53	66	393	181.454	ppb	#	43
11) Dichlorofluoromethane	1.71	67	4149	-0.664	ppb		90
12) Trichlorofluoromethane	1.74	101	3377	1.054	ppb		90
14) Diethyl ether	2.65	74	174	1.349	ppb	#	48
15) 1,2 Dichlorotrifluoroethan	2.03	67	2319	-1.340	ppb		95
16) Acrolein	2.13	55	5018	51.499	ppb		94
17) Acetone	2.29	43	5704	20.832	ppb		95
18) Freon-113	2.22	101	1084	1.115	ppb		85
19) 1,1-DCE	2.20	61	2735	1.110	ppb		92
21) Acetonitrile	2.57	40	2505	49.326	ppb	#	57
22) t-Butanol	2.95	59	1744	48.824	ppb	#	87
23) Methyl Acetate	2.64	43	753	1.042	ppb		93
24) Iodomethane	2.34	142	1383	0.333	ppb	#	87
25) Acrylonitrile	3.04	52	297	0.146	ppb	#	70
26) Methylene chloride	2.72	49	2263	0.255	ppb		98
27) Carbon disulfide	2.39	76	4024	0.345	ppb		100
28) Methyl t-butyl ether (MtBE	3.08	73	3486	0.934	ppb		97
29) Trans-1,2-DCE	3.04	61	2713	1.100	ppb		91
30) Hexane	4.30	56	3199	0.744	ppb	#	94
31) Diisopropyl Ether	3.79	45	3394	1.004	ppb		95
32) 2,2-Dichloro-1,1,1-trifluo	1.71	83	188	-0.338	ppb	#	84
33) 1,1-DCA	3.61	63	3457	1.079	ppb		93

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

Quantitation Report (Not Reviewed)

Data File : M:\ZEUS\DATA\211206\1206Z19.D Vial: 4
Acq On : 06 Dec 21 16:36 Operator: MH
Sample : 1ug/L VOC STD 12/6/21 Inst : Zeus
Misc : Multiplr: 1.00

Quant Time: Dec 7 9:23 2021 Quant Results File: Z120621W.RE

Quant Method : M:\ZEUS\DATA\211206\Z120621W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Dec 07 09:23:27 2021
Response via : Initial Calibration
DataAcq Meth : 082421_Z8260.M

Compound	R.T.	QIon	Response	Conc Unit		Qvalue
34) Vinyl Acetate	3.77	43	2634	0.982 ppb	#	74
35) Ethyl tert Butyl Ether	4.37	59	3442	0.927 ppb		88
36) MEK (2-Butanone)	4.62	72	2197	20.026 ppb		89
37) Cis-1,2-DCE	4.53	61	3013	1.070 ppb	#	81
38) 2,2-Dichloropropane	4.49	77	3086	1.064 ppb		100
39) 2-Methylpentane	2.74	42	1211	0.759 ppb	#	76
40) 3-Methylpentane	3.03	57	2929	0.874 ppb		91
41) Chloroform	5.01	83	3676	1.035 ppb		90
42) Bromochloromethane	4.85	49	1222	1.084 ppb		92
44) 1,1,1-TCA	5.20	97	3295	1.043 ppb		95
45) Cyclohexane	5.25	56	3124	1.065 ppb		87
46) 1,1-Dichloropropene	5.44	75	2725	1.039 ppb		98
47) 2,2,4-Trimethylpentane	5.84	57	5961	0.998 ppb		99
49) Carbon Tetrachloride	5.42	117	2781	1.025 ppb		97
50) Tert Amyl Methyl Ether	5.93	73	3904	0.936 ppb		99
51) Methylcyclopentane	4.30	56	3199	0.744 ppb		93
52) 1,2-DCA	5.76	62	2112	1.034 ppb	#	87
53) Benzene	5.70	78	9406	1.066 ppb		99
54) TCE	6.54	130	2729	1.005 ppb		95
55) 2-Pentanone	6.84	43	28448	44.043 ppb		96
56) 1,2-Dichloropropane	6.82	63	2007	1.039 ppb	#	81
57) Bromodichloromethane	7.17	83	2291	0.980 ppb		98
58) Methyl Cyclohexane	6.74	83	3820	1.014 ppb		98
59) Dibromomethane	6.95	174	1564	0.812 ppb		97
60) MIBK (methyl isobutyl ket	7.91	43	16936	19.943 ppb		97
61) 1-Bromo-2-chloroethane	7.50	144	191	0.760 ppb	#	78
62) 2-Chloroethyl vinyl ether	7.57	43	8930	19.329 ppb		95
63) Cis-1,3-Dichloropropene	7.69	75	2853	0.935 ppb		95
64) Toluene	8.05	91	11423	1.059 ppb		98
65) Trans-1,3-Dichloropropene	8.35	75	2374	0.937 ppb		95
66) 1,1,2-TCA	8.54	97	1667	0.961 ppb		93
67) 2-Hexanone	8.85	58	7583	19.815 ppb		91
70) 1,2-EDB	9.07	107	1539	1.263 ppb	#	81
71) Tetrachloroethene	8.66	166	3357	0.856 ppb		87
72) 1-Chlorohexane	9.63	91	3686	0.738 ppb		94
73) 1,1,1,2-Tetrachloroethane	9.72	131	1940	1.446 ppb		95
74) m&p-Xylene	9.88	91	19201	1.981 ppb		96
75) o-Xylene	10.32	91	9656	0.981 ppb		95
76) Styrene	10.33	104	6174	1.185 ppb		91
78) 1,3-Dichloropropane	8.72	76	2797	0.931 ppb		100
79) Dibromochloromethane	8.96	129	1504	1.564 ppb		90
80) Chlorobenzene	9.62	112	8008	1.042 ppb		96

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

Quantitation Report (Not Reviewed)

Data File : M:\ZEUS\DATA\211206\1206Z19.D Vial: 4
Acq On : 06 Dec 21 16:36 Operator: MH
Sample : 1ug/L VOC STD 12/6/21 Inst : Zeus
Misc : Multiplr: 1.00

Quant Time: Dec 7 9:23 2021 Quant Results File: Z120621W.RE

Quant Method : M:\ZEUS\DATA\211206\Z120621W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Dec 07 09:23:27 2021
Response via : Initial Calibration
DataAcq Meth : 082421_Z8260.M

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
81)	Ethylbenzene	9.88	91	19201	0.990	ppb		96
82)	Bromoform	10.53	173	771	1.961	ppb		98
84)	Isopropylbenzene	10.73	105	12586	0.982	ppb		95
85)	1,1,2,2-Tetrachloroethane	11.07	83	1654	1.454	ppb		88
86)	1,2,3-Trichloropropane	11.11	110	642	1.365	ppb		94
87)	t-1,4-Dichloro-2-Butene	11.13	53	259	1.204	ppb		89
88)	Bromobenzene	11.03	77	4339	1.004	ppb		96
89)	n-Propylbenzene	11.18	91	15507	1.019	ppb		98
90)	4-Ethyltoluene	11.30	105	12581	0.971	ppb		97
91)	2-Chlorotoluene	11.37	91	10071	0.888	ppb		95
92)	1,3,5-Trimethylbenzene	11.37	105	10178	0.973	ppb		98
93)	4-Chlorotoluene	11.37	91	10071	1.005	ppb		95
94)	Tert-Butylbenzene	11.73	119	9990	1.000	ppb		91
95)	1,2,4-Trimethylbenzene	11.78	105	9321	0.938	ppb		98
96)	Sec-Butylbenzene	11.97	105	14013	0.989	ppb		99
97)	p-Isopropyltoluene	11.73	119	9990	1.000	ppb	#	85
98)	Benzyl Chloride	12.33	91	3738	1.808	ppb		94
99)	1,3-DCB	12.17	146	6715	1.065	ppb		98
100)	1,4-DCB	12.17	146	6715	1.037	ppb		98
101)	n-Butylbenzene	12.57	91	9490	0.935	ppb		90
102)	1,2-DCB	12.58	146	5973	1.051	ppb		97
103)	Hexachloroethane	12.84	201	1320	2.193	ppb	#	82
104)	1,2-Dibromo-3-chloropropan	13.43	157	259	2.039	ppb	#	43
105)	1,2,4-Trichlorobenzene	13.66	180	4314	0.971	ppb		92
106)	Hexachlorobutadiene	14.52	225	2056	1.257	ppb		93
107)	Naphthalene	14.60	128	6562	0.894	ppb	#	93
108)	1,2,3-Trichlorobenzene	14.86	180	3213	1.279	ppb		94

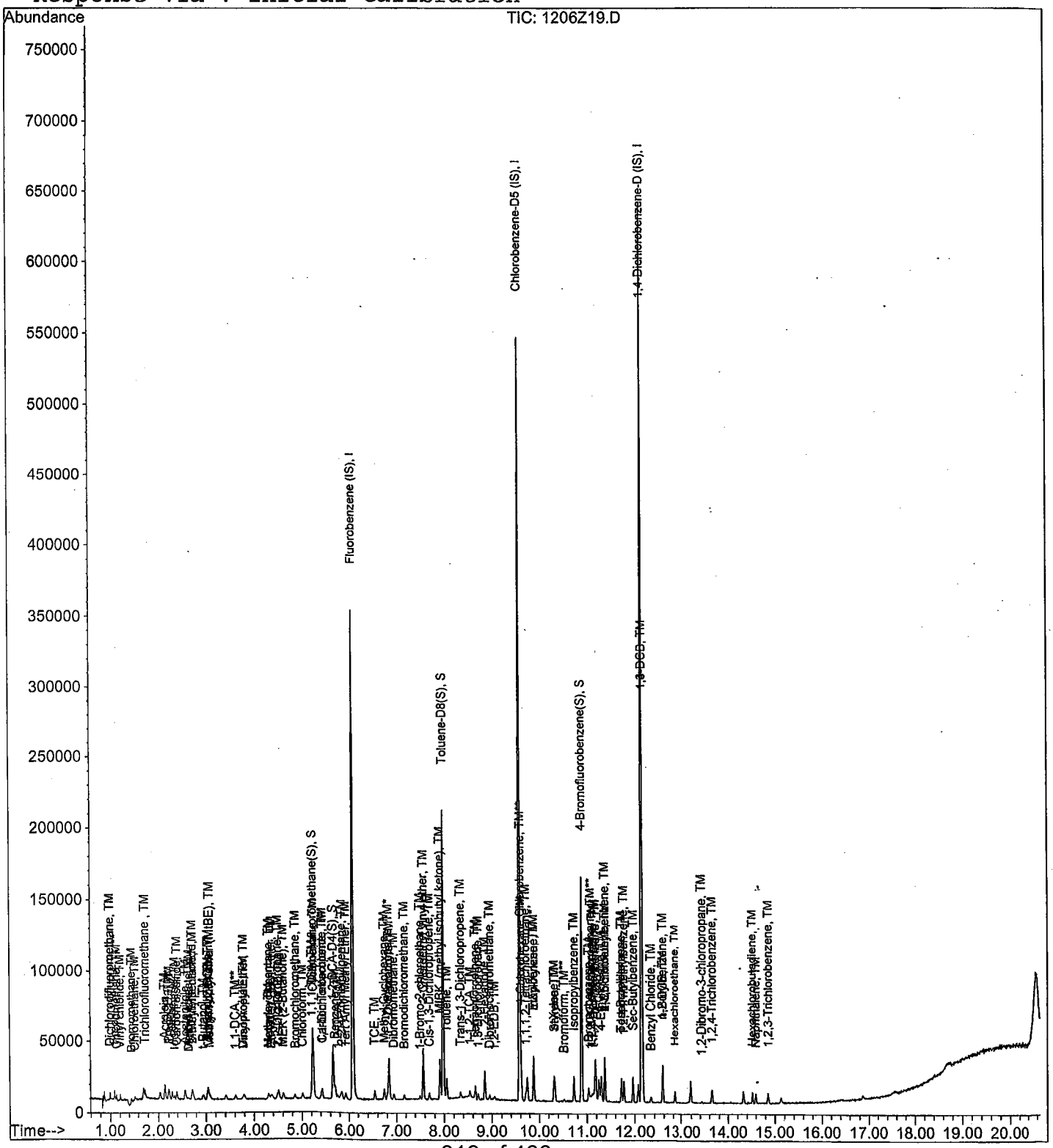
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\ZEUS\DATA\211206\1206Z19.D Vial: 4
Acq On : 06 Dec 21 16:36 Operator: MH
Sample : 1ug/L VOC STD 12/6/21 Inst : Zeus
Misc : Multiplr: 1.00

Quant Time: Dec 7 9:23 2021 Quant Results File: Z120621W.RE

Method : M:\ZEUS\DATA\211206\Z120621W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Dec 07 09:28:24 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\ZEUS\DATA\211206\1206Z20.D Vial: 5
Acq On : 06 Dec 21 17:00 Operator: MH
Sample : 2ug/L VOC STD 12/6/21 Inst : Zeus
Misc : Multiplr: 1.00

Quant Time: Dec 7 9:23 2021 Quant Results File: Z120621W.RE

Quant Method : M:\ZEUS\DATA\211206\Z120621W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Dec 07 09:23:27 2021
Response via : Initial Calibration
DataAcq Meth : 082421_Z8260.M

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene (IS)	6.09	96	388302	25.000	ppb		0.00
68) Chlorobenzene-D5 (IS)	9.58	117	355796	25.000	ppb		0.00
83) 1,4-Dichlorobenzene-D (IS)	12.14	152	125880	25.000	ppb		0.00
System Monitoring Compounds							
43) Dibromofluoromethane(S)	5.23	111	33446	9.515	ppb		0.00
Spiked Amount 25.000			Recovery =	38.060%			
48) 1,2-DCA-D4(S)	5.65	65	28333	9.758	ppb		0.00
Spiked Amount 25.000			Recovery =	39.032%			
69) Toluene-D8(S)	7.98	98	149510	9.746	ppb		0.00
Spiked Amount 25.000			Recovery =	38.984%			
77) 4-Bromofluorobenzene(S)	10.88	95	60845	9.793	ppb		0.00
Spiked Amount 25.000			Recovery =	39.172%			
Target Compounds							Qvalue
3) Dichlorodifluoromethane	1.00	85	5278	2.403	ppb		99
4) Freon 114	1.09	85	4653	2.481	ppb		85
5) Chloromethane	1.13	50	4435	2.080	ppb		94
6) Vinyl chloride	1.21	62	4103	2.183	ppb		92
9) Bromomethane	1.45	94	1985	1.973	ppb		91
10) Chloroethane	1.54	66	795	1.488	ppb	#	56
11) Dichlorofluoromethane	1.71	67	8636	0.860	ppb		95
12) Trichlorofluoromethane	1.74	101	7451	2.228	ppb		99
14) Diethyl ether	2.63	74	400	2.227	ppb	#	48
15) 1,2 Dichlorotrifluoroethan	2.03	67	5030	-0.416	ppb	#	82
16) Acrolein	2.13	55	7907	77.741	ppb		88
17) Acetone	2.29	43	8546	29.901	ppb		99
18) Freon-113	2.22	101	2043	2.013	ppb	#	82
19) 1,1-DCE	2.20	61	5840	2.270	ppb		96
21) Acetonitrile	2.57	40	3574	78.912	ppb		80
22) t-Butanol	2.94	59	2683	71.958	ppb	#	90
23) Methyl Acetate	2.64	43	1496	2.044	ppb		90
24) Iodomethane	2.34	142	2667	1.317	ppb	#	93
25) Acrylonitrile	3.05	52	804	1.537	ppb	#	64
26) Methylene chloride	2.72	49	4511	1.609	ppb		88
27) Carbon disulfide	2.39	76	8627	2.056	ppb		99
28) Methyl t-butyl ether (MtBE	3.08	73	7410	1.901	ppb		92
29) Trans-1,2-DCE	3.04	61	5657	2.198	ppb		89
30) Hexane	4.30	56	7055	1.702	ppb	#	94
31) Diisopropyl Ether	3.79	45	6780	1.922	ppb		87
32) 2,2-Dichloro-1,1,1-trifluo	1.71	83	469	1.312	ppb		94
33) 1,1-DCA	3.62	63	7196	2.152	ppb	#	90

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

Quantitation Report (Not Reviewed)

Data File : M:\ZEUS\DATA\211206\1206Z20.D Vial: 5
Acq On : 06 Dec 21 17:00 Operator: MH
Sample : 2ug/L VOC STD 12/6/21 Inst : Zeus
Misc : Multiplr: 1.00

Quant Time: Dec 7 9:23 2021 Quant Results File: Z120621W.RE

Quant Method : M:\ZEUS\DATA\211206\Z120621W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Dec 07 09:23:27 2021
Response via : Initial Calibration
DataAcq Meth : 082421_Z8260.M

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
34)	Vinyl Acetate	3.77	43	5254	1.876 ppb		100
35)	Ethyl tert Butyl Ether	4.37	59	7442	1.920 ppb		95
36)	MEK (2-Butanone)	4.62	72	3440	26.782 ppb		93
37)	Cis-1,2-DCE	4.51	61	6183	2.104 ppb		89
38)	2,2-Dichloropropane	4.50	77	6409	2.117 ppb	#	89
39)	2-Methylpentane	2.74	42	2670	1.766 ppb		90
40)	3-Methylpentane	3.04	57	7012	1.935 ppb		85
41)	Chloroform	5.01	83	7774	2.097 ppb		95
42)	Bromochloromethane	4.86	49	2476	2.104 ppb		87
44)	1,1,1-TCA	5.20	97	6952	2.108 ppb		95
45)	Cyclohexane	5.25	56	6954	2.261 ppb		91
46)	1,1-Dichloropropene	5.44	75	5648	2.064 ppb		92
47)	2,2,4-Trimethylpentane	5.84	57	13712	2.199 ppb		99
49)	Carbon Tetrachloride	5.42	117	6000	2.118 ppb		97
50)	Tert Amyl Methyl Ether	5.93	73	8235	1.892 ppb		91
51)	Methylcyclopentane	4.30	56	7055	1.702 ppb		96
52)	1,2-DCA	5.76	62	4468	2.096 ppb		95
53)	Benzene	5.70	78	18541	2.013 ppb		97
54)	TCE	6.55	130	5858	2.067 ppb		97
55)	2-Pentanone	6.84	43	45659	67.721 ppb		98
56)	1,2-Dichloropropane	6.82	63	4191	2.079 ppb	#	96
57)	Bromodichloromethane	7.16	83	4629	1.896 ppb		95
58)	Methyl Cyclohexane	6.74	83	8679	2.207 ppb		91
59)	Dibromomethane	6.95	174	3123	1.836 ppb		98
60)	MIBK (methyl isobutyl ket	7.91	43	26715	28.014 ppb		98
61)	1-Bromo-2-chloroethane	7.51	144	608	1.911 ppb	#	82
62)	2-Chloroethyl vinyl ether	7.57	43	14460	27.655 ppb		94
63)	Cis-1,3-Dichloropropene	7.70	75	5891	1.849 ppb		99
64)	Toluene	8.06	91	23365	2.076 ppb		99
65)	Trans-1,3-Dichloropropene	8.34	75	4789	1.811 ppb		98
66)	1,1,2-TCA	8.54	97	3353	1.852 ppb		97
67)	2-Hexanone	8.85	58	11935	27.925 ppb		93
70)	1,2-EDB	9.07	107	3079	2.035 ppb		93
71)	Tetrachloroethene	8.65	166	6691	1.866 ppb		95
72)	1-Chlorohexane	9.63	91	7744	1.803 ppb		96
73)	1,1,1,2-Tetrachloroethane	9.72	131	3791	2.147 ppb		90
74)	m&p-Xylene	9.88	91	40553	4.059 ppb		100
75)	o-Xylene	10.31	91	20177	1.989 ppb		96
76)	Styrene	10.33	104	13447	2.086 ppb		100
78)	1,3-Dichloropropane	8.72	76	5783	1.868 ppb		99
79)	Dibromochloromethane	8.96	129	3222	2.318 ppb		86
80)	Chlorobenzene	9.61	112	15849	2.001 ppb		98

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

Quantitation Report (Not Reviewed)

Data File : M:\ZEUS\DATA\211206\1206Z20.D Vial: 5
Acq On : 06 Dec 21 17:00 Operator: MH
Sample : 2ug/L VOC STD 12/6/21 Inst : Zeus
Misc : Multiplr: 1.00

Quant Time: Dec 7 9:23 2021 Quant Results File: Z120621W.RE

Quant Method : M:\ZEUS\DATA\211206\Z120621W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Dec 07 09:23:27 2021
Response via : Initial Calibration
DataAcq Meth : 082421_Z8260.M

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
81)	Ethylbenzene	9.88	91	40553	2.028	ppb		100
82)	Bromoform	10.52	173	1760	2.631	ppb	#	82
84)	Isopropylbenzene	10.73	105	26755	1.941	ppb		99
85)	1,1,2,2-Tetrachloroethane	11.07	83	3420	2.163	ppb		98
86)	1,2,3-Trichloropropane	11.10	110	1263	2.095	ppb	#	76
87)	t-1,4-Dichloro-2-Butene	11.13	53	710	1.967	ppb	#	70
88)	Bromobenzene	11.03	77	8818	1.906	ppb		92
89)	n-Propylbenzene	11.18	91	31442	1.922	ppb		99
90)	4-Ethyltoluene	11.30	105	27117	1.946	ppb		96
91)	2-Chlorotoluene	11.37	91	20710	1.823	ppb		97
92)	1,3,5-Trimethylbenzene	11.37	105	21407	1.903	ppb		96
93)	4-Chlorotoluene	11.37	91	20710	1.922	ppb		97
94)	Tert-Butylbenzene	11.73	119	20770	1.934	ppb		93
95)	1,2,4-Trimethylbenzene	11.78	105	20599	1.929	ppb		93
96)	Sec-Butylbenzene	11.96	105	29021	1.904	ppb		100
97)	p-Isopropyltoluene	11.73	119	20770	1.934	ppb		98
98)	Benzyl Chloride	12.33	91	7527	2.461	ppb		96
99)	1,3-DCB	12.07	146	13165	1.942	ppb		100
100)	1,4-DCB	12.17	146	13579	1.951	ppb		97
101)	n-Butylbenzene	12.57	91	20323	1.861	ppb		94
102)	1,2-DCB	12.57	146	11807	1.931	ppb		96
103)	Hexachloroethane	12.84	201	2825	2.815	ppb		88
104)	1,2-Dibromo-3-chloropropan	13.43	157	651	2.773	ppb		90
105)	1,2,4-Trichlorobenzene	13.65	180	9181	1.923	ppb		98
106)	Hexachlorobutadiene	14.52	225	4314	2.128	ppb		94
107)	Naphthalene	14.60	128	13807	1.749	ppb		97
108)	1,2,3-Trichlorobenzene	14.86	180	6668	2.114	ppb		95

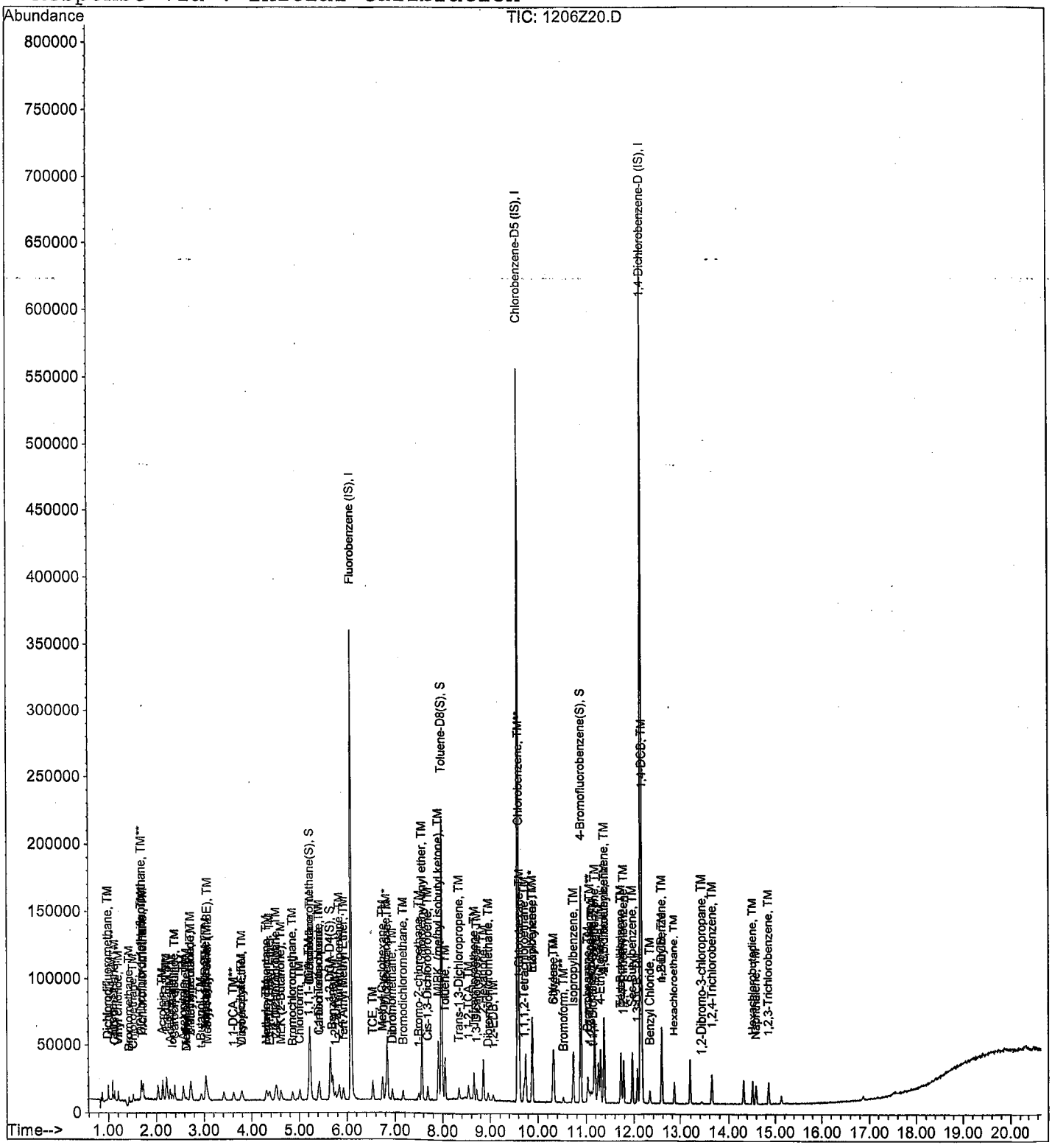
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\ZEUS\DATA\211206\1206Z20.D Vial: 5
Acq On : 06 Dec 21 17:00 Operator: MH
Sample : 2ug/L VOC STD 12/6/21 Inst : Zeus
Misc : Multiplr: 1.00

Quant Time: Dec 7 9:23 2021 Quant Results File: Z120621W.RE

Method : M:\ZEUS\DATA\211206\Z120621W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Dec 07 09:28:24 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\ZEUS\DATA\211206\1206Z21.D Vial: 6
Acq On : 06 Dec 21 17:24 Operator: MH
Sample : 5ug/L VOC STD 12/6/21 Inst : Zeus
Misc : Multiplr: 1.00

Quant Time: Dec 7 9:24 2021 Quant Results File: Z120621W.RE

Quant Method : M:\ZEUS\DATA\211206\Z120621W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Dec 07 09:23:27 2021
Response via : Initial Calibration
DataAcq Meth : 082421_Z8260.M

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
1) Fluorobenzene (IS)	6.09	96	398068	25.000 ppb		0.00
68) Chlorobenzene-D5 (IS)	9.58	117	358845	25.000 ppb		0.00
83) 1,4-Dichlorobenzene-D (IS)	12.14	152	126680	25.000 ppb		0.00
System Monitoring Compounds						
43) Dibromofluoromethane(S)	5.23	111	98469	26.174 ppb		0.00
Spiked Amount 25.000			Recovery	= 104.696%		
48) 1,2-DCA-D4(S)	5.66	65	82342	27.663 ppb		0.00
Spiked Amount 25.000			Recovery	= 110.652%		
69) Toluene-D8(S)	7.98	98	436806	25.220 ppb		0.00
Spiked Amount 25.000			Recovery	= 100.880%		
77) 4-Bromofluorobenzene(S)	10.88	95	177990	25.071 ppb		0.00
Spiked Amount 25.000			Recovery	= 100.284%		
Target Compounds						Qvalue
3) Dichlorodifluoromethane	1.00	85	9433	4.189 ppb		98
4) Freon 114	1.09	85	7753	4.478 ppb		90
5) Chloromethane	1.13	50	9197	5.427 ppb		97
6) Vinyl chloride	1.20	62	9281	4.817 ppb		95
9) Bromomethane	1.45	94	3771	5.989 ppb		86
10) Chloroethane	1.53	66	1500	4.411 ppb		90
11) Dichlorofluoromethane	1.71	67	19656	4.590 ppb		97
12) Trichlorofluoromethane	1.74	101	16910	4.933 ppb		100
14) Diethyl ether	2.64	74	1133	5.062 ppb		91
15) 1,2 Dichlorotrifluoroethan	2.03	67	11051	1.619 ppb		100
16) Acrolein	2.13	55	10755	103.148 ppb		99
17) Acetone	2.28	43	11585	39.540 ppb		97
18) Freon-113	2.22	101	4318	4.151 ppb		92
19) 1,1-DCE	2.20	61	12406	4.705 ppb		99
21) Acetonitrile	2.58	40	4178	98.428 ppb		96
22) t-Butanol	2.94	59	3826	100.095 ppb		95
23) Methyl Acetate	2.64	43	3798	5.162 ppb		97
24) Iodomethane	2.34	142	6486	4.261 ppb		97
25) Acrylonitrile	3.04	52	1985	4.726 ppb		95
26) Methylene chloride	2.72	49	10303	5.100 ppb		97
27) Carbon disulfide	2.38	76	15313	4.495 ppb		98
28) Methyl t-butyl ether (MtBE	3.08	73	19385	4.852 ppb		94
29) Trans-1,2-DCE	3.04	61	12772	4.840 ppb		97
30) Hexane	4.31	56	18367	4.500 ppb	#	98
31) Diisopropyl Ether	3.79	45	17829	4.930 ppb		99
32) 2,2-Dichloro-1,1,1-trifluo	1.70	83	1024	4.517 ppb		95
33) 1,1-DCA	3.61	63	17238	5.028 ppb		92

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

Quantitation Report (Not Reviewed)

Data File : M:\ZEUS\DATA\211206\1206Z21.D Vial: 6
Acq On : 06 Dec 21 17:24 Operator: MH
Sample : 5ug/L VOC STD 12/6/21 Inst : Zeus
Misc : Multiplr: 1.00

Quant Time: Dec 7 9:24 2021 Quant Results File: Z120621W.RE

Quant Method : M:\ZEUS\DATA\211206\Z120621W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Dec 07 09:23:27 2021
Response via : Initial Calibration
DataAcq Meth : 082421_Z8260.M

Compound	R.T.	QIon	Response	Conc Unit		Qvalue
34) Vinyl Acetate	3.78	43	13580	4.730 ppb	#	90
35) Ethyl tert Butyl Ether	4.37	59	19398	4.882 ppb		99
36) MEK (2-Butanone)	4.61	72	5169	36.221 ppb		96
37) Cis-1,2-DCE	4.52	61	14921	4.953 ppb		99
38) 2,2-Dichloropropane	4.49	77	15135	4.877 ppb		98
39) 2-Methylpentane	2.74	42	6824	4.622 ppb		95
40) 3-Methylpentane	3.03	57	17500	4.632 ppb		89
41) Chloroform	5.01	83	18954	4.987 ppb		98
42) Bromochloromethane	4.86	49	6329	5.245 ppb		87
44) 1,1,1-TCA	5.21	97	16537	4.891 ppb		99
45) Cyclohexane	5.25	56	13904	4.403 ppb		97
46) 1,1-Dichloropropene	5.44	75	12954	4.617 ppb		97
47) 2,2,4-Trimethylpentane	5.84	57	26207	4.099 ppb		98
49) Carbon Tetrachloride	5.41	117	14243	4.905 ppb		91
50) Tert Amyl Methyl Ether	5.92	73	21089	4.728 ppb	#	90
51) Methylcyclopentane	4.31	56	18367	4.500 ppb		91
52) 1,2-DCA	5.75	62	11093	5.075 ppb		99
53) Benzene	5.70	78	45660	4.836 ppb		97
54) TCE	6.54	130	13808	4.752 ppb		98
55) 2-Pentanone	6.84	43	68643	99.312 ppb		100
56) 1,2-Dichloropropane	6.82	63	10352	5.010 ppb		98
57) Bromodichloromethane	7.17	83	12407	4.958 ppb		96
58) Methyl Cyclohexane	6.74	83	16975	4.211 ppb		97
59) Dibromomethane	6.95	174	7758	4.891 ppb		97
60) MIBK (methyl isobutyl ket	7.91	43	38552	37.742 ppb		95
61) 1-Bromo-2-chloroethane	7.50	144	1708	4.891 ppb		89
62) 2-Chloroethyl vinyl ether	7.57	43	21168	37.681 ppb		95
63) Cis-1,3-Dichloropropene	7.70	75	15602	4.777 ppb		96
64) Toluene	8.05	91	55301	4.793 ppb		95
65) Trans-1,3-Dichloropropene	8.34	75	12884	4.752 ppb		97
66) 1,1,2-TCA	8.54	97	9028	4.865 ppb		100
67) 2-Hexanone	8.86	58	17324	37.940 ppb		99
70) 1,2-EDB	9.06	107	8250	4.672 ppb		98
71) Tetrachloroethene	8.66	166	15822	4.679 ppb		97
72) 1-Chlorohexane	9.62	91	18498	4.664 ppb		96
73) 1,1,1,2-Tetrachloroethane	9.72	131	10632	4.787 ppb		97
74) m&p-Xylene	9.88	91	98167	9.742 ppb		98
75) o-Xylene	10.31	91	49453	4.835 ppb		96
76) Styrene	10.33	104	34031	4.669 ppb		100
78) 1,3-Dichloropropane	8.72	76	15502	4.964 ppb		95
79) Dibromochloromethane	8.96	129	8662	4.738 ppb		97
80) Chlorobenzene	9.62	112	38452	4.813 ppb		98

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

Quantitation Report (Not Reviewed)

Data File : M:\ZEUS\DATA\211206\1206Z21.D Vial: 6
Acq On : 06 Dec 21 17:24 Operator: MH
Sample : 5ug/L VOC STD 12/6/21 Inst : Zeus
Misc : Multiplr: 1.00

Quant Time: Dec 7 9:24 2021 Quant Results File: Z120621W.RE

Quant Method : M:\ZEUS\DATA\211206\Z120621W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Dec 07 09:23:27 2021
Response via : Initial Calibration
DataAcq Meth : 082421_Z8260.M

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
81)	Ethylbenzene	9.88	91	98167	4.868	ppb		98
82)	Bromoform	10.52	173	5033	4.873	ppb		97
84)	Isopropylbenzene	10.72	105	64460	4.646	ppb		99
85)	1,1,2,2-Tetrachloroethane	11.07	83	9399	4.717	ppb		98
86)	1,2,3-Trichloropropane	11.10	110	3490	4.906	ppb	#	90
87)	t-1,4-Dichloro-2-Butene	11.13	53	2359	4.857	ppb		89
88)	Bromobenzene	11.03	77	22315	4.808	ppb		91
89)	n-Propylbenzene	11.18	91	76998	4.676	ppb		100
90)	4-Ethyltoluene	11.30	105	66550	4.746	ppb		99
91)	2-Chlorotoluene	11.38	91	52550	4.805	ppb		97
92)	1,3,5-Trimethylbenzene	11.37	105	54552	4.819	ppb		99
93)	4-Chlorotoluene	11.38	91	52550	4.846	ppb		97
94)	Tert-Butylbenzene	11.72	119	50942	4.714	ppb		98
95)	1,2,4-Trimethylbenzene	11.78	105	50773	4.724	ppb		97
96)	Sec-Butylbenzene	11.96	105	71897	4.688	ppb		100
97)	p-Isopropyltoluene	11.72	119	50942	4.714	ppb		100
98)	Benzyl Chloride	12.33	91	20497	4.852	ppb		98
99)	1,3-DCB	12.07	146	32539	4.770	ppb		97
100)	1,4-DCB	12.17	146	33275	4.749	ppb		96
101)	n-Butylbenzene	12.57	91	50877	4.630	ppb		99
102)	1,2-DCB	12.57	146	29686	4.825	ppb		100
103)	Hexachloroethane	12.84	201	7464	4.849	ppb	#	83
104)	1,2-Dibromo-3-chloropropan	13.43	157	1803	5.021	ppb		92
105)	1,2,4-Trichlorobenzene	13.65	180	22562	4.695	ppb		98
106)	Hexachlorobutadiene	14.52	225	10199	4.540	ppb		95
107)	Naphthalene	14.60	128	36165	4.553	ppb		97
108)	1,2,3-Trichlorobenzene	14.86	180	16966	4.763	ppb		95

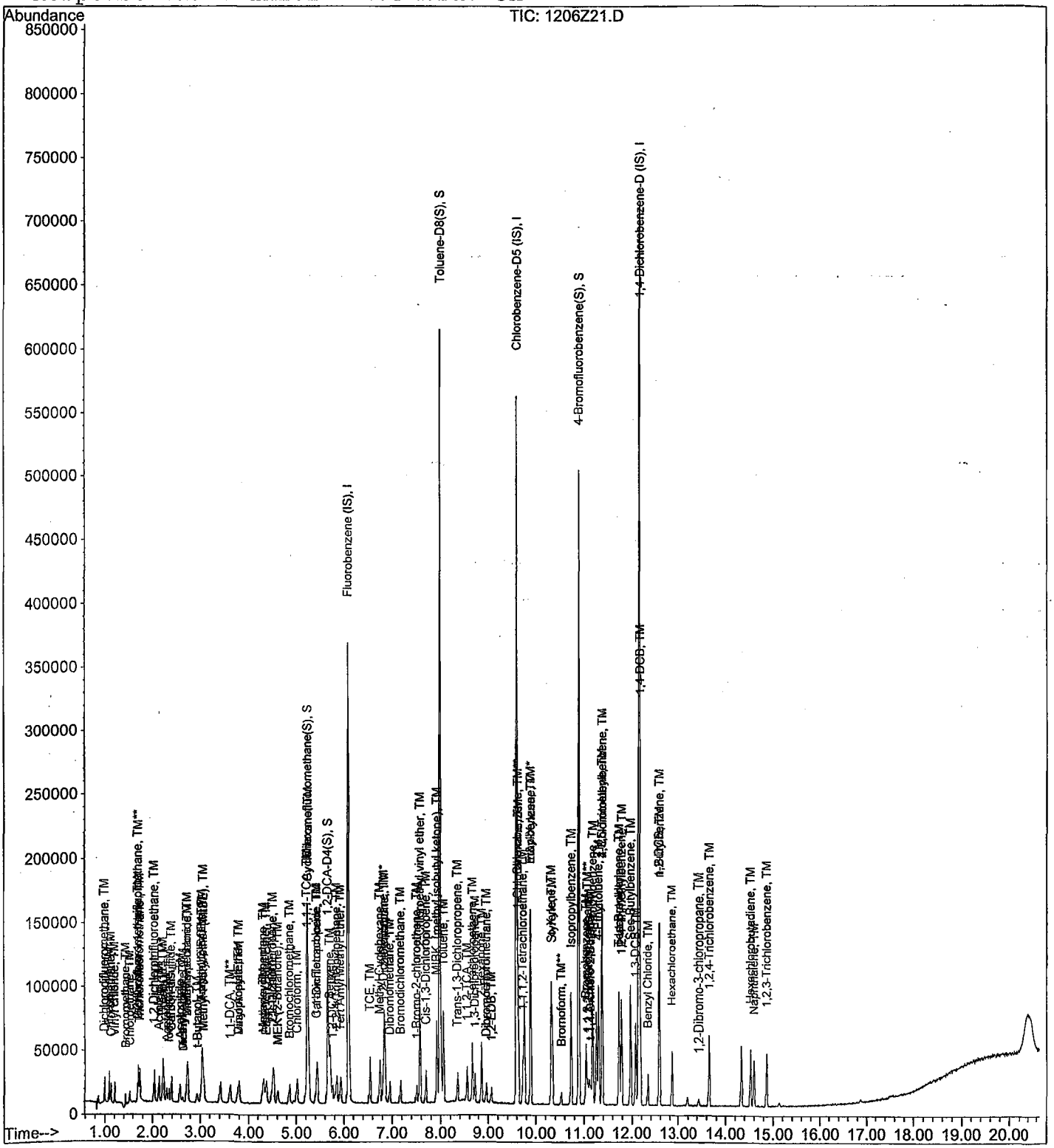
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\ZEUS\DATA\211206\1206Z21.D Vial: 6
Acq On : 06 Dec 21 17:24 Operator: MH
Sample : 5ug/L VOC STD 12/6/21 Inst : Zeus
Misc : Multiplr: 1.00

Quant Time: Dec 7 9:24 2021 Quant Results File: Z120621W.RE

Method : M:\ZEUS\DATA\211206\Z120621W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Dec 07 09:28:24 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\ZEUS\DATA\211206\1206Z22.D Vial: 7
Acq On : 06 Dec 21 17:48 Operator: MH
Sample : 10ug/L VOC STD 12/6/21 Inst : Zeus
Misc : Multiplr: 1.00

Quant Time: Dec 7 9:24 2021 Quant Results File: Z120621W.RE

Quant Method : M:\ZEUS\DATA\211206\Z120621W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Dec 07 09:23:27 2021
Response via : Initial Calibration
DataAcq Meth : 082421_Z8260.M

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	6.09	96	407844	25.000 ppb	0.00
68) Chlorobenzene-D5 (IS)	9.59	117	362313	25.000 ppb	0.00
83) 1,4-Dichlorobenzene-D (IS)	12.14	152	125640	25.000 ppb	0.00
System Monitoring Compounds					
43) Dibromofluoromethane(S)	5.23	111	98626	25.601 ppb	0.00
Spiked Amount 25.000			Recovery	= 102.404%	
48) 1,2-DCA-D4(S)	5.65	65	83490	27.377 ppb	0.00
Spiked Amount 25.000			Recovery	= 109.508%	
69) Toluene-D8(S)	7.98	98	439095	25.117 ppb	0.00
Spiked Amount 25.000			Recovery	= 100.468%	
77) 4-Bromofluorobenzene(S)	10.88	95	179650	25.064 ppb	0.00
Spiked Amount 25.000			Recovery	= 100.256%	
Target Compounds					Qvalue
3) Dichlorodifluoromethane	1.00	85	20653	8.952 ppb	100
4) Freon 114	1.09	85	17496	10.721 ppb	100
5) Chloromethane	1.13	50	17528	11.120 ppb	100
6) Vinyl chloride	1.21	62	17806	9.021 ppb	100
9) Bromomethane	1.45	94	6008	10.831 ppb	100
10) Chloroethane	1.53	66	2571	8.906 ppb	100
11) Dichlorofluoromethane	1.71	67	39749	11.198 ppb	100
12) Trichlorofluoromethane	1.74	101	34157	9.726 ppb	100
14) Diethyl ether	2.64	74	2364	9.668 ppb	100
15) 1,2 Dichlorotrifluoroethan	2.03	67	26138	6.611 ppb	100
16) Acrolein	2.13	55	13628	127.569 ppb	100
17) Acetone	2.29	43	14965	49.851 ppb	100
18) Freon-113	2.22	101	10221	9.590 ppb	100
19) 1,1-DCE	2.20	61	25471	9.428 ppb	100
21) Acetonitrile	2.58	40	4530	109.466 ppb	100
22) t-Butanol	2.95	59	5093	130.049 ppb	100
23) Methyl Acetate	2.64	43	7546	10.074 ppb	100
24) Iodomethane	2.34	142	14376	10.181 ppb	100
25) Acrylonitrile	3.04	52	4101	10.268 ppb	100
26) Methylene chloride	2.72	49	20142	10.852 ppb	100
27) Carbon disulfide	2.39	76	31952	10.481 ppb	100
28) Methyl t-butyl ether (MtBE	3.07	73	41995	10.258 ppb	100
29) Trans-1,2-DCE	3.04	61	25379	9.387 ppb	100
30) Hexane	4.30	56	41353	10.028 ppb #	99
31) Diisopropyl Ether	3.79	45	38163	10.300 ppb	99
32) 2,2-Dichloro-1,1,1-trifluo	1.71	83	2236	11.352 ppb	100
33) 1,1-DCA	3.61	63	34238	9.747 ppb	100

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

Quantitation Report (Not Reviewed)

Data File : M:\ZEUS\DATA\211206\1206Z22.D Vial: 7
Acq On : 06 Dec 21 17:48 Operator: MH
Sample : 10ug/L VOC STD 12/6/21 Inst : Zeus
Misc : Multiplr: 1.00

Quant Time: Dec 7 9:24 2021 Quant Results File: Z120621W.RE

Quant Method : M:\ZEUS\DATA\211206\Z120621W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Dec 07 09:23:27 2021
Response via : Initial Calibration
DataAcq Meth : 082421_Z8260.M

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
34) Vinyl Acetate	3.77	43	29541	10.043 ppb	100
35) Ethyl tert Butyl Ether	4.37	59	42653	10.478 ppb	100
36) MEK (2-Butanone)	4.61	72	7517	48.680 ppb	100
37) Cis-1,2-DCE	4.51	61	30098	9.752 ppb	100
38) 2,2-Dichloropropane	4.49	77	31612	9.942 ppb	100
39) 2-Methylpentane	2.74	42	14767	9.925 ppb	100
40) 3-Methylpentane	3.03	57	37855	9.719 ppb	100
41) Chloroform	5.01	83	38869	9.982 ppb	100
42) Bromochloromethane	4.85	49	12703	10.275 ppb	100
44) 1,1,1-TCA	5.20	97	35676	10.298 ppb	100
45) Cyclohexane	5.25	56	32155	9.927 ppb	100
46) 1,1-Dichloropropene	5.44	75	28584	9.944 ppb	100
47) 2,2,4-Trimethylpentane	5.84	57	62510	9.543 ppb	100
49) Carbon Tetrachloride	5.42	117	30466	10.241 ppb	100
50) Tert Amyl Methyl Ether	5.92	73	45848	10.031 ppb	100
51) Methylcyclopentane	4.30	56	41353	10.028 ppb	100
52) 1,2-DCA	5.75	62	22399	10.002 ppb	100
53) Benzene	5.70	78	95008	9.821 ppb	100
54) TCE	6.54	130	30131	10.121 ppb	100
55) 2-Pentanone	6.84	43	92882	131.160 ppb	100
56) 1,2-Dichloropropane	6.81	63	22250	10.511 ppb	100
57) Bromodichloromethane	7.17	83	26591	10.371 ppb	100
58) Methyl Cyclohexane	6.74	83	40101	9.709 ppb	100
59) Dibromomethane	6.95	174	16032	10.181 ppb	100
60) MIBK (methyl isobutyl ket	7.91	43	52426	48.735 ppb	100
61) 1-Bromo-2-chloroethane	7.50	144	3725	10.187 ppb	100
62) 2-Chloroethyl vinyl ether	7.57	43	28309	47.895 ppb	100
63) Cis-1,3-Dichloropropene	7.70	75	34372	10.272 ppb	100
64) Toluene	8.05	91	113680	9.616 ppb	100
65) Trans-1,3-Dichloropropene	8.35	75	28674	10.323 ppb	100
66) 1,1,2-TCA	8.54	97	19000	9.994 ppb	100
67) 2-Hexanone	8.86	58	23720	49.409 ppb	100
70) 1,2-EDB	9.06	107	17919	9.542 ppb	100
71) Tetrachloroethene	8.66	166	33253	9.985 ppb	100
72) 1-Chlorohexane	9.62	91	38557	9.934 ppb	100
73) 1,1,1,2-Tetrachloroethane	9.72	131	22510	9.310 ppb	100
74) m&p-Xylene	9.88	91	203369	19.989 ppb	100
75) o-Xylene	10.31	91	101201	9.799 ppb	100
76) Styrene	10.33	104	72938	9.490 ppb	100
78) 1,3-Dichloropropane	8.72	76	32612	10.343 ppb	100
79) Dibromochloromethane	8.96	129	18700	9.145 ppb	100
80) Chlorobenzene	9.62	112	79274	9.828 ppb	100

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

Data File : M:\ZEUS\DATA\211206\1206Z22.D Vial: 7
Acq On : 06 Dec 21 17:48 Operator: MH
Sample : 10ug/L VOC STD 12/6/21 Inst : Zeus
Misc : Multiplr: 1.00

Quant Time: Dec 7 9:24 2021 Quant Results File: Z120621W.RE

Quant Method : M:\ZEUS\DATA\211206\Z120621W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Dec 07 09:23:27 2021
Response via : Initial Calibration
DataAcq Meth : 082421_Z8260.M

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
81)	Ethylbenzene	9.88	91	203369	9.989	ppb	100
82)	Bromoform	10.52	173	10982	8.894	ppb	100
84)	Isopropylbenzene	10.72	105	137795	10.014	ppb	100
85)	1,1,2,2-Tetrachloroethane	11.07	83	20434	9.520	ppb	100
86)	1,2,3-Trichloropropane	11.10	110	7173	9.646	ppb	100
87)	t-1,4-Dichloro-2-Butene	11.13	53	5077	9.707	ppb	100
88)	Bromobenzene	11.03	77	46142	10.035	ppb	100
89)	n-Propylbenzene	11.17	91	160153	9.806	ppb	100
90)	4-Ethyltoluene	11.30	105	139189	10.008	ppb	100
91)	2-Chlorotoluene	11.37	91	106219	9.935	ppb	100
92)	1,3,5-Trimethylbenzene	11.37	105	113681	10.125	ppb	100
93)	4-Chlorotoluene	11.37	91	106219	9.877	ppb	100
94)	Tert-Butylbenzene	11.72	119	104832	9.781	ppb	100
95)	1,2,4-Trimethylbenzene	11.78	105	108792	10.205	ppb	100
96)	Sec-Butylbenzene	11.96	105	153037	10.061	ppb	100
97)	p-Isopropyltoluene	11.72	119	104832	9.781	ppb	100
98)	Benzyl Chloride	12.33	91	43075	9.095	ppb	100
99)	1,3-DCB	12.07	146	66450	9.822	ppb	100
100)	1,4-DCB	12.17	146	66248	9.534	ppb	100
101)	n-Butylbenzene	12.57	91	113096	10.378	ppb	100
102)	1,2-DCB	12.57	146	60352	9.891	ppb	100
103)	Hexachloroethane	12.85	201	16383	8.835	ppb	100
104)	1,2-Dibromo-3-chloropropan	13.43	157	3864	9.119	ppb	100
105)	1,2,4-Trichlorobenzene	13.65	180	47618	9.991	ppb	100
106)	Hexachlorobutadiene	14.52	225	22412	9.645	ppb	100
107)	Naphthalene	14.60	128	78181	9.924	ppb	100
108)	1,2,3-Trichlorobenzene	14.86	180	35904	9.731	ppb	100

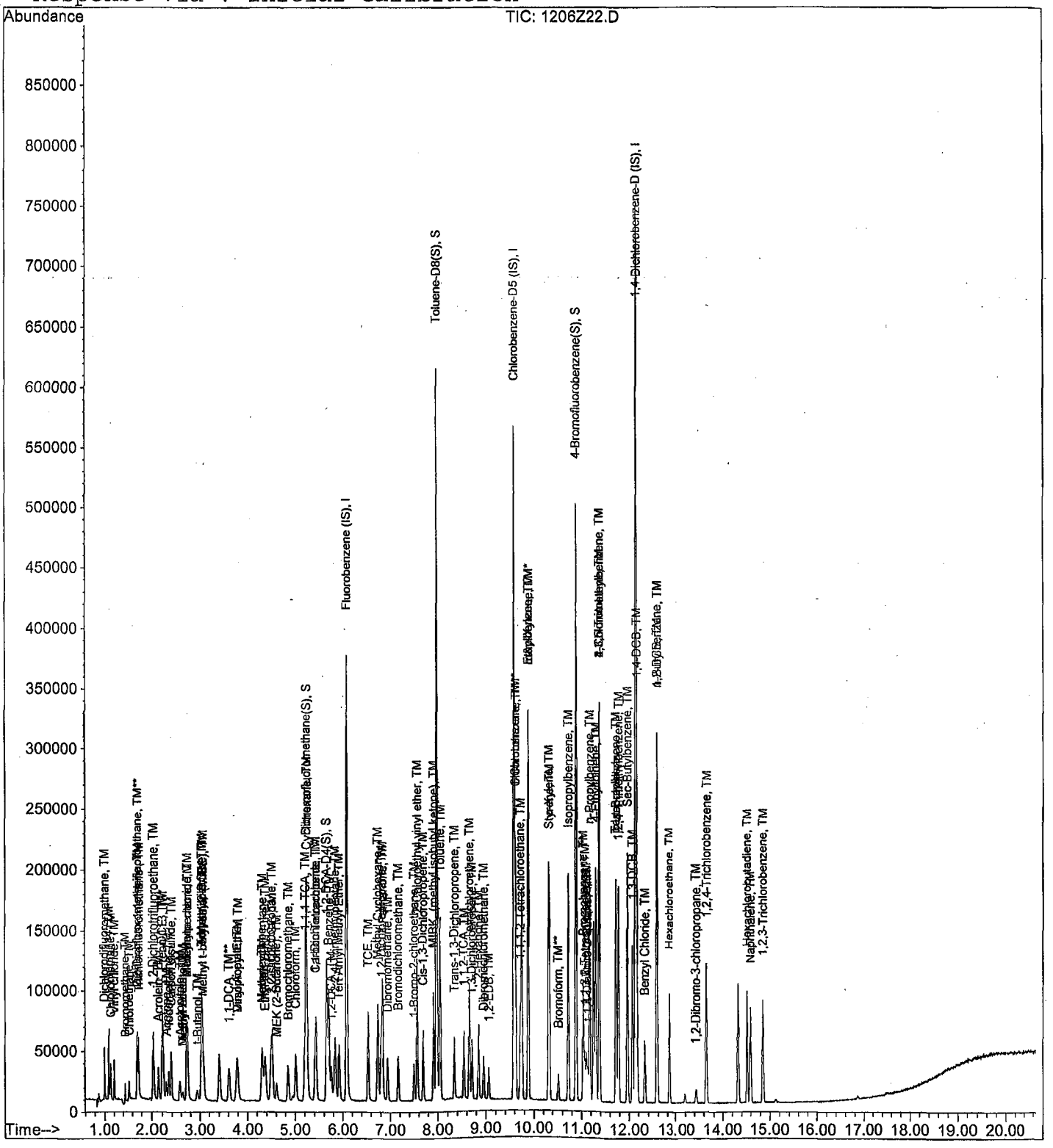
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\ZEUS\DATA\211206\1206Z22.D Vial: 7
Acq On : 06 Dec 21 17:48 Operator: MH
Sample : 10ug/L VOC STD 12/6/21 Inst : Zeus
Misc : Multiplr: 1.00

Quant Time: Dec 7 9:24 2021 Quant Results File: Z120621W.RE

Method : M:\ZEUS\DATA\211206\Z120621W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Dec 07 09:28:24 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\ZEUS\DATA\211206\1206Z23.D Vial: 8
Acq On : 06 Dec 21 18:12 Operator: MH
Sample : 20ug/L VOC STD 12/6/21 Inst : Zeus
Misc : Multiplr: 1.00

Quant Time: Dec 7 9:24 2021 Quant Results File: Z120621W.RE

Quant Method : M:\ZEUS\DATA\211206\Z120621W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Dec 07 09:23:27 2021
Response via : Initial Calibration
DataAcq Meth : 082421_Z8260.M

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene (IS)	6.09	96	429143	25.000	ppb		0.00
68) Chlorobenzene-D5 (IS)	9.58	117	371190	25.000	ppb		0.00
83) 1,4-Dichlorobenzene-D (IS)	12.14	152	127840	25.000	ppb		0.00
System Monitoring Compounds							
43) Dibromofluoromethane(S)	5.23	111	211390	51.510	ppb		0.00
Spiked Amount 25.000			Recovery = 206.040%				
48) 1,2-DCA-D4(S)	5.65	65	178963	55.770	ppb		0.00
Spiked Amount 25.000			Recovery = 223.080%				
69) Toluene-D8(S)	7.98	98	942563	50.887	ppb		0.00
Spiked Amount 25.000			Recovery = 203.548%				
77) 4-Bromofluorobenzene(S)	10.88	95	386622	50.718	ppb		0.00
Spiked Amount 25.000			Recovery = 202.872%				
Target Compounds							Qvalue
3) Dichlorodifluoromethane	1.00	85	44451	18.310	ppb		98
4) Freon 114	1.09	85	35496	21.333	ppb		98
5) Chloromethane	1.13	50	32784	20.693	ppb		97
6) Vinyl chloride	1.21	62	37335	17.975	ppb		100
9) Bromomethane	1.45	94	10696	20.217	ppb		92
10) Chloroethane	1.53	66	4049	14.825	ppb		90
11) Dichlorofluoromethane	1.71	67	78769	23.029	ppb		95
12) Trichlorofluoromethane	1.74	101	70389	19.049	ppb		100
14) Diethyl ether	2.64	74	5204	19.550	ppb		93
15) 1,2 Dichlorotrifluoroethan	2.03	67	52255	14.538	ppb		96
16) Acrolein	2.13	55	17159	152.650	ppb		96
17) Acetone	2.29	43	18769	59.420	ppb		94
18) Freon-113	2.21	101	20920	18.655	ppb		97
19) 1,1-DCE	2.20	61	53733	18.902	ppb		96
21) Acetonitrile	2.58	40	5655	-25.000	ppb		91
22) t-Butanol	2.95	59	6517	158.151	ppb		96
23) Methyl Acetate	2.64	43	15601	19.859	ppb		96
24) Iodomethane	2.34	142	29936	20.959	ppb		99
25) Acrylonitrile	3.04	52	8664	21.348	ppb		86
26) Methylene chloride	2.72	49	39687	21.398	ppb		98
27) Carbon disulfide	2.39	76	64288	21.208	ppb		98
28) Methyl t-butyl ether (MtBE	3.07	73	90141	20.927	ppb		98
29) Trans-1,2-DCE	3.04	61	52118	18.321	ppb		94
30) Hexane	4.31	56	88052	20.412	ppb	#	100
31) Diisopropyl Ether	3.79	45	82069	21.050	ppb		97
32) 2,2-Dichloro-1,1,1-trifluo	1.71	83	4337	22.212	ppb		86
33) 1,1-DCA	3.61	63	68899	18.640	ppb		99

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

Quantitation Report (Not Reviewed)

Data File : M:\ZEUS\DATA\211206\1206Z23.D Vial: 8
Acq On : 06 Dec 21 18:12 Operator: MH
Sample : 20ug/L VOC STD 12/6/21 Inst : Zeus
Misc : Multiplr: 1.00

Quant Time: Dec 7 9:24 2021 Quant Results File: Z120621W.RE

Quant Method : M:\ZEUS\DATA\211206\Z120621W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Dec 07 09:23:27 2021
Response via : Initial Calibration
DataAcq Meth : 082421_Z8260.M

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
34) Vinyl Acetate	3.77	43	62451	20.177 ppb	98
35) Ethyl tert Butyl Ether	4.37	59	92004	21.479 ppb	97
36) MEK (2-Butanone)	4.61	72	9825	58.891 ppb	89
37) Cis-1,2-DCE	4.52	61	61144	18.827 ppb	97
38) 2,2-Dichloropropane	4.49	77	65068	19.448 ppb	97
39) 2-Methylpentane	2.74	42	31141	20.039 ppb	94
40) 3-Methylpentane	3.04	57	82124	19.981 ppb	95
41) Chloroform	5.01	83	79055	19.294 ppb	97
42) Bromochloromethane	4.86	49	25437	19.554 ppb	94
44) 1,1,1-TCA	5.20	97	74198	20.354 ppb	98
45) Cyclohexane	5.25	56	69102	20.267 ppb	99
46) 1,1-Dichloropropene	5.44	75	61598	20.366 ppb	94
47) 2,2,4-Trimethylpentane	5.84	57	136548	19.810 ppb	99
49) Carbon Tetrachloride	5.42	117	64975	20.758 ppb	98
50) Tert Amyl Methyl Ether	5.92	73	99335	20.655 ppb	99
51) Methylcyclopentane	4.31	56	88052	20.412 ppb	94
52) 1,2-DCA	5.76	62	45059	19.123 ppb	99
53) Benzene	5.70	78	197208	19.374 ppb	98
54) TCE	6.54	130	63899	20.398 ppb	98
55) 2-Pentanone	6.84	43	126928	170.341 ppb	99
56) 1,2-Dichloropropane	6.81	63	45749	20.539 ppb	100
57) Bromodichloromethane	7.17	83	56114	20.799 ppb	93
58) Methyl Cyclohexane	6.74	83	88643	20.396 ppb	98
59) Dibromomethane	6.95	174	33460	20.499 ppb	96
60) MIBK (methyl isobutyl ket	7.91	43	69947	60.682 ppb	98
61) 1-Bromo-2-chloroethane	7.50	144	7878	20.274 ppb	97
62) 2-Chloroethyl vinyl ether	7.57	43	38602	60.817 ppb	96
63) Cis-1,3-Dichloropropene	7.70	75	74364	21.121 ppb	99
64) Toluene	8.05	91	233943	18.807 ppb	100
65) Trans-1,3-Dichloropropene	8.34	75	62277	21.307 ppb	98
66) 1,1,2-TCA	8.54	97	40868	20.429 ppb	98
67) 2-Hexanone	8.86	58	31090	60.602 ppb	94
70) 1,2-EDB	9.06	107	38478	19.515 ppb	98
71) Tetrachloroethene	8.65	166	68499	20.305 ppb	98
72) 1-Chlorohexane	9.62	91	80032	20.422 ppb	98
73) 1,1,1,2-Tetrachloroethane	9.72	131	49470	19.211 ppb	99
74) m&p-Xylene	9.88	91	417432	40.049 ppb	100
75) o-Xylene	10.31	91	209067	19.759 ppb	99
76) Styrene	10.33	104	157102	19.537 ppb	98
78) 1,3-Dichloropropane	8.72	76	69379	21.478 ppb	97
79) Dibromochloromethane	8.96	129	41652	18.867 ppb	95
80) Chlorobenzene	9.62	112	161663	19.564 ppb	98

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

Data File : M:\ZEUS\DATA\211206\1206Z23.D Vial: 8
Acq On : 06 Dec 21 18:12 Operator: MH
Sample : 20ug/L VOC STD 12/6/21 Inst : Zeus
Misc : Multiplr: 1.00

Quant Time: Dec 7 9:24 2021 Quant Results File: Z120621W.RE

Quant Method : M:\ZEUS\DATA\211206\Z120621W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Dec 07 09:23:27 2021
Response via : Initial Calibration
DataAcq Meth : 082421_Z8260.M

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
81)	Ethylbenzene	9.88	91	418308	20.054	ppb	100
82)	Bromoform	10.52	173	25304	18.243	ppb	99
84)	Isopropylbenzene	10.72	105	287917	20.564	ppb	99
85)	1,1,2,2-Tetrachloroethane	11.07	83	43119	19.006	ppb	98
86)	1,2,3-Trichloropropane	11.10	110	15203	19.568	ppb	92
87)	t-1,4-Dichloro-2-Butene	11.13	53	10708	19.358	ppb	94
88)	Bromobenzene	11.03	77	92377	19.754	ppb	97
89)	n-Propylbenzene	11.17	91	334650	20.138	ppb	100
90)	4-Ethyltoluene	11.30	105	286598	20.253	ppb	99
91)	2-Chlorotoluene	11.37	91	218246	20.201	ppb	100
92)	1,3,5-Trimethylbenzene	11.37	105	237894	20.823	ppb	99
93)	4-Chlorotoluene	11.37	91	218246	19.944	ppb	100
94)	Tert-Butylbenzene	11.72	119	222517	20.404	ppb	97
95)	1,2,4-Trimethylbenzene	11.78	105	231549	21.347	ppb	98
96)	Sec-Butylbenzene	11.96	105	320433	20.704	ppb	100
97)	p-Isopropyltoluene	11.72	119	222517	20.404	ppb	99
98)	Benzyl Chloride	12.33	91	94033	18.298	ppb	99
99)	1,3-DCB	12.07	146	135175	19.637	ppb	96
100)	1,4-DCB	12.17	146	135276	19.133	ppb	97
101)	n-Butylbenzene	12.57	91	240858	21.721	ppb	98
102)	1,2-DCB	12.57	146	122742	19.770	ppb	99
103)	Hexachloroethane	12.85	201	36817	17.623	ppb	93
104)	1,2-Dibromo-3-chloropropan	13.43	157	8730	18.429	ppb	93
105)	1,2,4-Trichlorobenzene	13.65	180	98576	20.326	ppb	95
106)	Hexachlorobutadiene	14.52	225	47521	19.729	ppb	95
107)	Naphthalene	14.60	128	170287	21.243	ppb	98
108)	1,2,3-Trichlorobenzene	14.86	180	74446	19.435	ppb	99

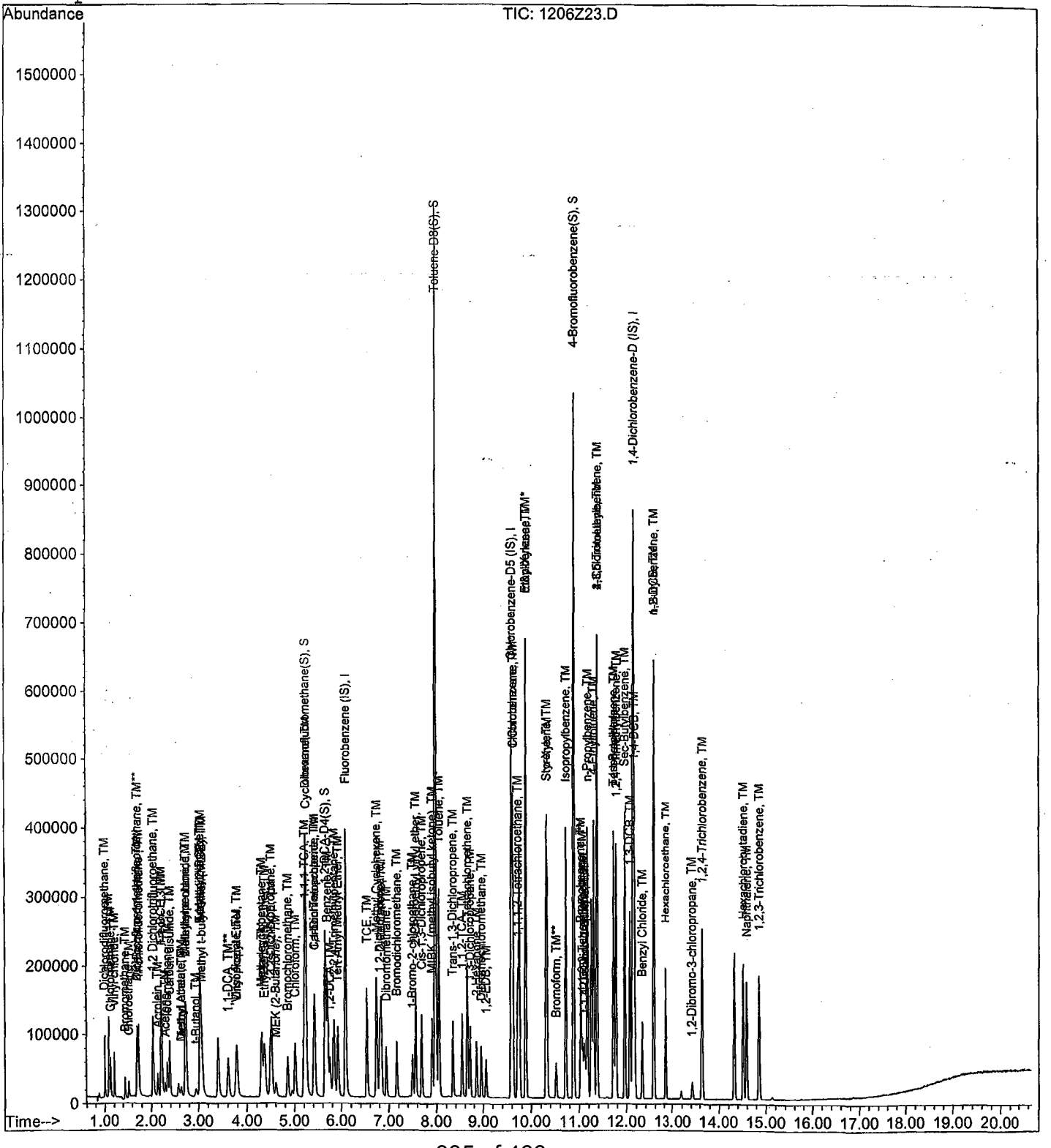
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\ZEUS\DATA\211206\1206Z23.D Vial: 8
Acq On : 06 Dec 21 18:12 Operator: MH
Sample : 20ug/L VOC STD 12/6/21 Inst : Zeus
Misc : Multiplr: 1.00

Quant Time: Dec 7 9:24 2021 Quant Results File: Z120621W.RE

Method : M:\ZEUS\DATA\211206\Z120621W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Dec 07 09:28:24 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\ZEUS\DATA\211206\1206Z24.D Vial: 9
Acq On : 06 Dec 21 18:36 Operator: MH
Sample : 40ug/L VOC STD 12/6/21 Inst : Zeus
Misc : Multiplr: 1.00

Quant Time: Dec 7 9:24 2021 Quant Results File: Z120621W.RES

Quant Method : M:\ZEUS\DATA\211206\Z120621W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Dec 07 09:23:27 2021
Response via : Initial Calibration
DataAcq Meth : 082421_Z8260.M

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene (IS)	6.09	96	438913	25.000	ppb		0.00
68) Chlorobenzene-D5 (IS)	9.58	117	374368	25.000	ppb		0.00
83) 1,4-Dichlorobenzene-D (IS)	12.14	152	124832	25.000	ppb		0.00
System Monitoring Compounds							
43) Dibromofluoromethane(S)	5.23	111	210639	50.201	ppb		0.00
Spiked Amount 25.000			Recovery = 200.804%				
48) 1,2-DCA-D4(S)	5.65	65	179326	54.639	ppb		0.00
Spiked Amount 25.000			Recovery = 218.556%				
69) Toluene-D8(S)	7.98	98	944015	50.544	ppb		0.00
Spiked Amount 25.000			Recovery = 202.176%				
77) 4-Bromofluorobenzene(S)	10.88	95	388955	50.595	ppb		0.00
Spiked Amount 25.000			Recovery = 202.380%				
Target Compounds							Qvalue
3) Dichlorodifluoromethane	1.00	85	93480	37.649	ppb		100
4) Freon 114	1.09	85	65744	39.211	ppb		99
5) Chloromethane	1.13	50	63990	40.573	ppb		98
6) Vinyl chloride	1.21	62	76181	35.862	ppb		100
9) Bromomethane	1.45	94	20881	41.074	ppb		87
10) Chloroethane	1.53	66	6265	25.013	ppb		99
11) Dichlorofluoromethane	1.71	67	153143	45.755	ppb		100
12) Trichlorofluoromethane	1.74	101	142111	37.602	ppb		98
14) Diethyl ether	2.64	74	11087	40.054	ppb	#	93
15) 1,2 Dichlorotrifluoroethan	2.03	67	103571	30.233	ppb		98
16) Acrolein	2.13	55	19092	166.066	ppb		100
17) Acetone	2.29	43	24694	76.438	ppb		90
18) Freon-113	2.22	101	42992	37.483	ppb		95
19) 1,1-DCE	2.20	61	104706	36.013	ppb		98
21) Acetonitrile	2.58	40	5848	-25.000	ppb		97
22) t-Butanol	2.95	59	7737	183.578	ppb		96
23) Methyl Acetate	2.64	43	31763	39.600	ppb		98
24) Iodomethane	2.34	142	63104	44.075	ppb		98
25) Acrylonitrile	3.04	52	17195	42.108	ppb		97
26) Methylene chloride	2.72	49	77420	41.934	ppb		99
27) Carbon disulfide	2.39	76	128368	42.622	ppb		99
28) Methyl t-butyl ether (MtBE	3.07	73	190427	43.224	ppb		99
29) Trans-1,2-DCE	3.04	61	102917	35.373	ppb		97
30) Hexane	4.30	56	184278	41.890	ppb	#	99
31) Diisopropyl Ether	3.79	45	170474	42.752	ppb		99
32) 2,2-Dichloro-1,1,1-trifluo	1.71	83	8574	44.357	ppb		90
33) 1,1-DCA	3.61	63	137357	36.334	ppb		99

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

Quantitation Report (Not Reviewed)

Data File : M:\ZEUS\DATA\211206\1206Z24.D Vial: 9
Acq On : 06 Dec 21 18:36 Operator: MH
Sample : 40ug/L VOC STD 12/6/21 Inst : Zeus
Misc : Multiplr: 1.00

Quant Time: Dec 7 9:24 2021 Quant Results File: Z120621W.RE

Quant Method : M:\ZEUS\DATA\211206\Z120621W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Dec 07 09:23:27 2021
Response via : Initial Calibration
DataAcq Meth : 082421_Z8260.M

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
34)	Vinyl Acetate	3.77	43	129022	40.757 ppb	98
35)	Ethyl tert Butyl Ether	4.37	59	193239	44.109 ppb	96
36)	MEK (2-Butanone)	4.61	72	14078	79.893 ppb	94
37)	Cis-1,2-DCE	4.52	61	121377	36.542 ppb	98
38)	2,2-Dichloropropane	4.49	77	129373	37.807 ppb	99
39)	2-Methylpentane	2.74	42	66718	42.138 ppb	99
40)	3-Methylpentane	3.03	57	175276	41.638 ppb	96
41)	Chloroform	5.01	83	156492	37.342 ppb	97
42)	Bromochloromethane	4.86	49	50678	38.089 ppb	96
44)	1,1,1-TCA	5.20	97	148374	39.796 ppb	100
45)	Cyclohexane	5.25	56	139315	39.943 ppb	98
46)	1,1-Dichloropropene	5.43	75	125928	40.708 ppb	98
47)	2,2,4-Trimethylpentane	5.84	57	280195	39.746 ppb	100
49)	Carbon Tetrachloride	5.42	117	131961	41.219 ppb	99
50)	Tert Amyl Methyl Ether	5.92	73	209979	42.691 ppb	96
51)	Methylcyclopentane	4.30	56	184278	41.890 ppb	94
52)	1,2-DCA	5.75	62	89257	37.037 ppb	97
53)	Benzene	5.70	78	396620	38.098 ppb	99
54)	TCE	6.54	130	131075	40.910 ppb	98
55)	2-Pentanone	6.84	43	157091	206.128 ppb	99
56)	1,2-Dichloropropane	6.81	63	92050	40.406 ppb	99
57)	Bromodichloromethane	7.17	83	117525	42.592 ppb	96
58)	Methyl Cyclohexane	6.74	83	183172	41.208 ppb	98
59)	Dibromomethane	6.95	174	67651	40.827 ppb	98
60)	MIBK (methyl isobutyl ket	7.91	43	95540	79.647 ppb	99
61)	1-Bromo-2-chloroethane	7.50	144	16129	40.386 ppb	95
62)	2-Chloroethyl vinyl ether	7.57	43	52384	79.311 ppb	97
63)	Cis-1,3-Dichloropropene	7.70	75	156116	43.354 ppb	96
64)	Toluene	8.05	91	467029	36.710 ppb	100
65)	Trans-1,3-Dichloropropene	8.34	75	132351	44.274 ppb	99
66)	1,1,2-TCA	8.54	97	84103	41.105 ppb	99
67)	2-Hexanone	8.86	58	42787	80.217 ppb	99
70)	1,2-EDB	9.06	107	80976	40.239 ppb	99
71)	Tetrachloroethene	8.66	166	139465	41.222 ppb	98
72)	1-Chlorohexane	9.62	91	163680	41.709 ppb	96
73)	1,1,1,2-Tetrachloroethane	9.72	131	104917	39.665 ppb	98
74)	m&p-Xylene	9.88	91	836255	79.549 ppb	100
75)	o-Xylene	10.31	91	420940	39.445 ppb	100
76)	Styrene	10.33	104	331090	40.416 ppb	99
78)	1,3-Dichloropropane	8.72	76	142535	43.751 ppb	97
79)	Dibromochloromethane	8.96	129	89975	39.423 ppb	96
80)	Chlorobenzene	9.62	112	322361	38.680 ppb	97

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

Data File : M:\ZEUS\DATA\211206\1206Z24.D Vial: 9
Acq On : 06 Dec 21 18:36 Operator: MH
Sample : 40ug/L VOC STD 12/6/21 Inst : Zeus
Misc : Multiplr: 1.00

Quant Time: Dec 7 9:24 2021 Quant Results File: Z120621W.RE

Quant Method : M:\ZEUS\DATA\211206\Z120621W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Dec 07 09:23:27 2021
Response via : Initial Calibration
DataAcq Meth : 082421_Z8260.M

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
81)	Ethylbenzene	9.88	91	838155	39.841	ppb		100
82)	Bromoform	10.52	173	54946	37.652	ppb		100
84)	Isopropylbenzene	10.73	105	581901	42.563	ppb		99
85)	1,1,2,2-Tetrachloroethane	11.07	83	89308	39.544	ppb		98
86)	1,2,3-Trichloropropane	11.10	110	30427	39.598	ppb	#	89
87)	t-1,4-Dichloro-2-Butene	11.14	53	21910	39.785	ppb		91
88)	Bromobenzene	11.03	77	185495	40.631	ppb		99
89)	n-Propylbenzene	11.18	91	670078	41.295	ppb		99
90)	4-Ethyltoluene	11.30	105	569407	41.208	ppb		98
91)	2-Chlorotoluene	11.37	91	430778	40.975	ppb		100
92)	1,3,5-Trimethylbenzene	11.37	105	477006	42.759	ppb		98
93)	4-Chlorotoluene	11.37	91	430778	40.315	ppb		100
94)	Tert-Butylbenzene	11.73	119	443212	41.620	ppb		97
95)	1,2,4-Trimethylbenzene	11.78	105	466648	44.058	ppb		97
96)	Sec-Butylbenzene	11.96	105	638091	42.221	ppb		99
97)	p-Isopropyltoluene	11.73	119	443212	41.620	ppb		100
98)	Benzyl Chloride	12.33	91	199889	38.587	ppb		99
99)	1,3-DCB	12.07	146	268612	39.961	ppb		96
100)	1,4-DCB	12.17	146	267616	38.764	ppb		99
101)	n-Butylbenzene	12.57	91	484414	44.738	ppb		99
102)	1,2-DCB	12.57	146	244455	40.323	ppb		98
103)	Hexachloroethane	12.85	201	80191	37.384	ppb	#	85
104)	1,2-Dibromo-3-chloropropan	13.43	157	18709	38.666	ppb		95
105)	1,2,4-Trichlorobenzene	13.65	180	199077	42.038	ppb		98
106)	Hexachlorobutadiene	14.52	225	94918	40.001	ppb		96
107)	Naphthalene	14.60	128	354074	45.235	ppb		99
108)	1,2,3-Trichlorobenzene	14.86	180	149998	39.697	ppb		99

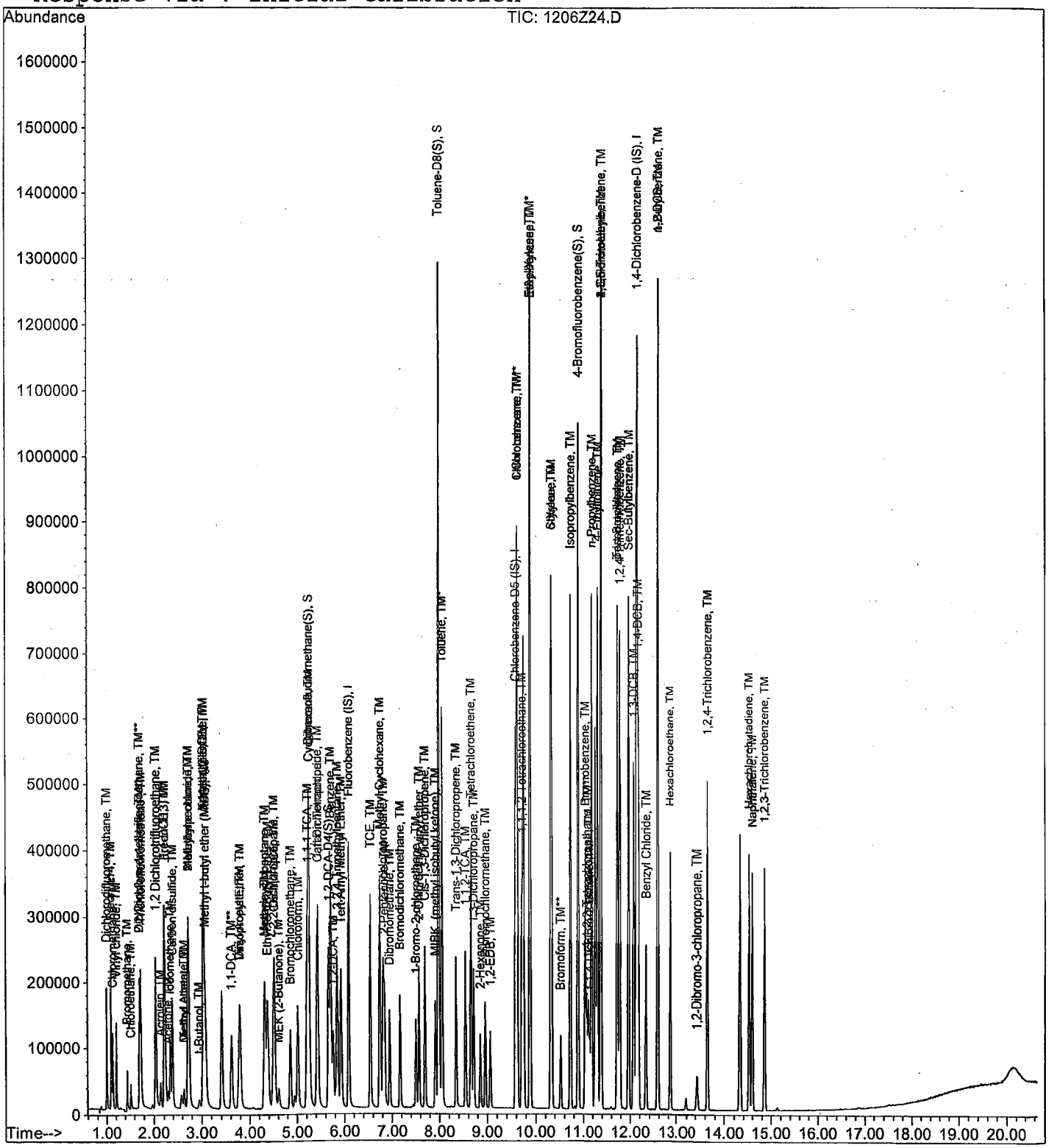
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\ZEUS\DATA\211206\1206Z24.D Vial: 9
Acq On : 06 Dec 21 18:36 Operator: MH
Sample : 40ug/L VOC STD 12/6/21 Inst : Zeus
Misc : Multiplr: 1.00

Quant Time: Dec 7 9:24 2021 Quant Results File: Z120621W.RE

Method : M:\ZEUS\DATA\211206\Z120621W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Dec 07 09:28:24 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\ZEUS\DATA\211206\1206Z25.D Vial: 10
Acq On : 06 Dec 21 19:00 Operator: MH
Sample : 100ug/L VOC STD 12/6/21 Inst : Zeus
Misc : Multiplr: 1.00

Quant Time: Dec 7 9:24 2021 Quant Results File: Z120621W.RE

Quant Method : M:\ZEUS\DATA\211206\Z120621W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Dec 07 09:23:27 2021
Response via : Initial Calibration
DataAcq Meth : 082421_Z8260.M

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene (IS)	6.09	96	457473	25.000	ppb		0.00
68) Chlorobenzene-D5 (IS)	9.58	117	388410	25.000	ppb		0.00
83) 1,4-Dichlorobenzene-D (IS)	12.14	152	126216	25.000	ppb		0.00
System Monitoring Compounds							
43) Dibromofluoromethane(S)	5.23	111	434953	98.851	ppb		0.00
Spiked Amount 25.000			Recovery = 395.404%				
48) 1,2-DCA-D4(S)	5.66	65	368985	107.865	ppb		0.00
Spiked Amount 25.000			Recovery = 431.460%				
69) Toluene-D8(S)	7.98	98	1954424	99.278	ppb		0.00
Spiked Amount 25.000			Recovery = 397.112%				
77) 4-Bromofluorobenzene(S)	10.88	95	806582	99.376	ppb		0.00
Spiked Amount 25.000			Recovery = 397.504%				
Target Compounds							Qvalue
3) Dichlorodifluoromethane	1.00	85	236889	91.536	ppb		100
4) Freon 114	1.09	85	129027	74.462	ppb		99
5) Chloromethane	1.13	50	160814	99.510	ppb		97
6) Vinyl chloride	1.21	62	194760	87.962	ppb		100
9) Bromomethane	1.45	94	50744	99.407	ppb		87
10) Chloroethane	1.52	66	10408	48.419	ppb		90
11) Dichlorofluoromethane	1.71	67	330361	97.048	ppb		99
12) Trichlorofluoromethane	1.73	101	337732	85.738	ppb		99
14) Diethyl ether	2.64	74	29148	100.090	ppb	#	93
15) 1,2 Dichlorotrifluoroethan	2.03	67	257811	75.253	ppb		98
16) Acrolein	2.13	55	22964	191.641	ppb		97
17) Acetone	2.30	43	31595	93.831	ppb		93
18) Freon-113	2.21	101	101584	84.974	ppb		94
19) 1,1-DCE	2.19	61	254395	83.949	ppb		97
21) Acetonitrile	2.58	40	5745	147.587	ppb		91
22) t-Butanol	2.97	59	7647	174.081	ppb	#	91
23) Methyl Acetate	2.64	43	83659	100.171	ppb		100
24) Iodomethane	2.34	142	145088	98.223	ppb		98
25) Acrylonitrile	3.04	52	41683	98.897	ppb		99
26) Methylene chloride	2.72	49	187144	98.880	ppb		99
27) Carbon disulfide	2.38	76	304704	98.700	ppb		99
28) Methyl t-butyl ether (MtBE	3.08	73	487462	106.158	ppb		95
29) Trans-1,2-DCE	3.04	61	247031	81.460	ppb		97
30) Hexane	4.30	56	454086	99.194	ppb	#	99
31) Diisopropyl Ether	3.79	45	442145	106.384	ppb		97
32) 2,2-Dichloro-1,1,1-trifluo	1.71	83	19335	97.744	ppb		92
33) 1,1-DCA	3.61	63	335347	85.107	ppb		99

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

Quantitation Report (Not Reviewed)

Data File : M:\ZEUS\DATA\211206\1206Z25.D Vial: 10
Acq On : 06 Dec 21 19:00 Operator: MH
Sample : 100ug/L VOC STD 12/6/21 Inst : Zeus
Misc : Multiplr: 1.00

Quant Time: Dec 7 9:24 2021 Quant Results File: Z120621W.RE

Quant Method : M:\ZEUS\DATA\211206\Z120621W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Dec 07 09:23:27 2021
Response via : Initial Calibration
DataAcq Meth : 082421_Z8260.M

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
34) Vinyl Acetate	3.77	43	322670	97.793	ppb	99
35) Ethyl tert Butyl Ether	4.37	59	507116	111.059	ppb	95
36) MEK (2-Butanone)	4.61	72	19381	103.435	ppb	83
37) Cis-1,2-DCE	4.51	61	295464	85.345	ppb	99
38) 2,2-Dichloropropane	4.49	77	315591	88.484	ppb	99
39) 2-Methylpentane	2.74	42	163333	99.172	ppb	97
40) 3-Methylpentane	3.03	57	436448	99.398	ppb	96
41) Chloroform	5.01	83	382726	87.621	ppb	96
42) Bromochloromethane	4.86	49	123925	89.363	ppb	97
44) 1,1,1-TCA	5.20	97	363894	93.641	ppb	99
45) Cyclohexane	5.25	56	338987	93.237	ppb	98
46) 1,1-Dichloropropene	5.44	75	308416	95.655	ppb	98
47) 2,2,4-Trimethylpentane	5.84	57	713490	97.103	ppb	100
49) Carbon Tetrachloride	5.42	117	325476	97.541	ppb	99
50) Tert Amyl Methyl Ether	5.92	73	561457	109.518	ppb	95
51) Methylcyclopentane	4.30	56	454086	99.194	ppb	93
52) 1,2-DCA	5.76	62	222114	88.427	ppb	98
53) Benzene	5.70	78	977876	90.121	ppb	98
54) TCE	6.54	130	322853	96.678	ppb	97
55) 2-Pentanone	6.84	43	192711	242.608	ppb	99
56) 1,2-Dichloropropane	6.81	63	228537	96.247	ppb	98
57) Bromodichloromethane	7.17	83	300216	104.387	ppb	94
58) Methyl Cyclohexane	6.74	83	464544	100.269	ppb	98
59) Dibromomethane	6.95	174	171192	99.564	ppb	99
60) MIBK (methyl isobutyl ket	7.91	43	128750	101.761	ppb	99
61) 1-Bromo-2-chloroethane	7.50	144	41658	99.783	ppb	97
62) 2-Chloroethyl vinyl ether	7.57	43	71489	102.538	ppb	96
63) Cis-1,3-Dichloropropene	7.70	75	400086	106.597	ppb	96
64) Toluene	8.05	91	1145623	86.397	ppb	99
65) Trans-1,3-Dichloropropene	8.35	75	344295	110.500	ppb	99
66) 1,1,2-TCA	8.54	97	215219	100.920	ppb	98
67) 2-Hexanone	8.85	58	56746	101.023	ppb	98
70) 1,2-EDB	9.06	107	210292	100.057	ppb	98
71) Tetrachloroethene	8.66	166	348056	99.474	ppb	99
72) 1-Chlorohexane	9.62	91	402555	99.264	ppb	94
73) 1,1,1,2-Tetrachloroethane	9.72	131	278248	100.360	ppb	100
74) m&p-Xylene	9.88	91	2044199	187.426	ppb	100
75) o-Xylene	10.31	91	1045067	94.390	ppb	100
76) Styrene	10.33	104	854578	99.988	ppb	100
78) 1,3-Dichloropropane	8.72	76	361759	107.027	ppb	98
79) Dibromochloromethane	8.96	129	241315	100.538	ppb	96
80) Chlorobenzene	9.62	112	803130	92.882	ppb	98

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

Quantitation Report (Not Reviewed)

Data File : M:\ZEUS\DATA\211206\1206Z25.D Vial: 10
Acq On : 06 Dec 21 19:00 Operator: MH
Sample : 100ug/L VOC STD 12/6/21 Inst : Zeus
Misc : Multiplr: 1.00

Quant Time: Dec 7 9:24 2021 Quant Results File: Z120621W.RES

Quant Method : M:\ZEUS\DATA\211206\Z120621W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Dec 07 09:23:27 2021
Response via : Initial Calibration
DataAcq Meth : 082421_Z8260.M

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
81)	Ethylbenzene	9.88	91	2046563	93.765	ppb		100
82)	Bromoform	10.52	173	157242	101.376	ppb		99
84)	Isopropylbenzene	10.73	105	1432414	103.624	ppb		98
85)	1,1,2,2-Tetrachloroethane	11.07	83	231789	100.431	ppb		99
86)	1,2,3-Trichloropropane	11.10	110	78494	100.279	ppb		90
87)	t-1,4-Dichloro-2-Butene	11.13	53	56431	100.246	ppb		91
88)	Bromobenzene	11.03	77	460626	99.804	ppb		98
89)	n-Propylbenzene	11.18	91	1657896	101.050	ppb		98
90)	4-Ethyltoluene	11.30	105	1405370	100.592	ppb		98
91)	2-Chlorotoluene	11.37	91	1056565	99.592	ppb		100
92)	1,3,5-Trimethylbenzene	11.37	105	1175329	104.202	ppb		98
93)	4-Chlorotoluene	11.37	91	1056565	97.795	ppb		100
94)	Tert-Butylbenzene	11.72	119	1103297	102.469	ppb		97
95)	1,2,4-Trimethylbenzene	11.78	105	1173029	109.536	ppb		97
96)	Sec-Butylbenzene	11.96	105	1580635	103.441	ppb		99
97)	p-Isopropyltoluene	11.72	119	1103297	102.469	ppb		99
98)	Benzyl Chloride	12.33	91	538117	100.979	ppb		100
99)	1,3-DCB	12.07	146	666848	98.119	ppb		97
100)	1,4-DCB	12.17	146	662443	94.901	ppb		100
101)	n-Butylbenzene	12.57	91	1216556	111.123	ppb		98
102)	1,2-DCB	12.57	146	603992	98.536	ppb		99
103)	Hexachloroethane	12.84	201	226454	101.607	ppb	#	82
104)	1,2-Dibromo-3-chloropropan	13.43	157	50585	100.904	ppb		92
105)	1,2,4-Trichlorobenzene	13.65	180	511224	106.769	ppb		97
106)	Hexachlorobutadiene	14.52	225	241413	100.105	ppb		98
107)	Naphthalene	14.60	128	927962	117.253	ppb		98
108)	1,2,3-Trichlorobenzene	14.86	180	385302	100.265	ppb		99

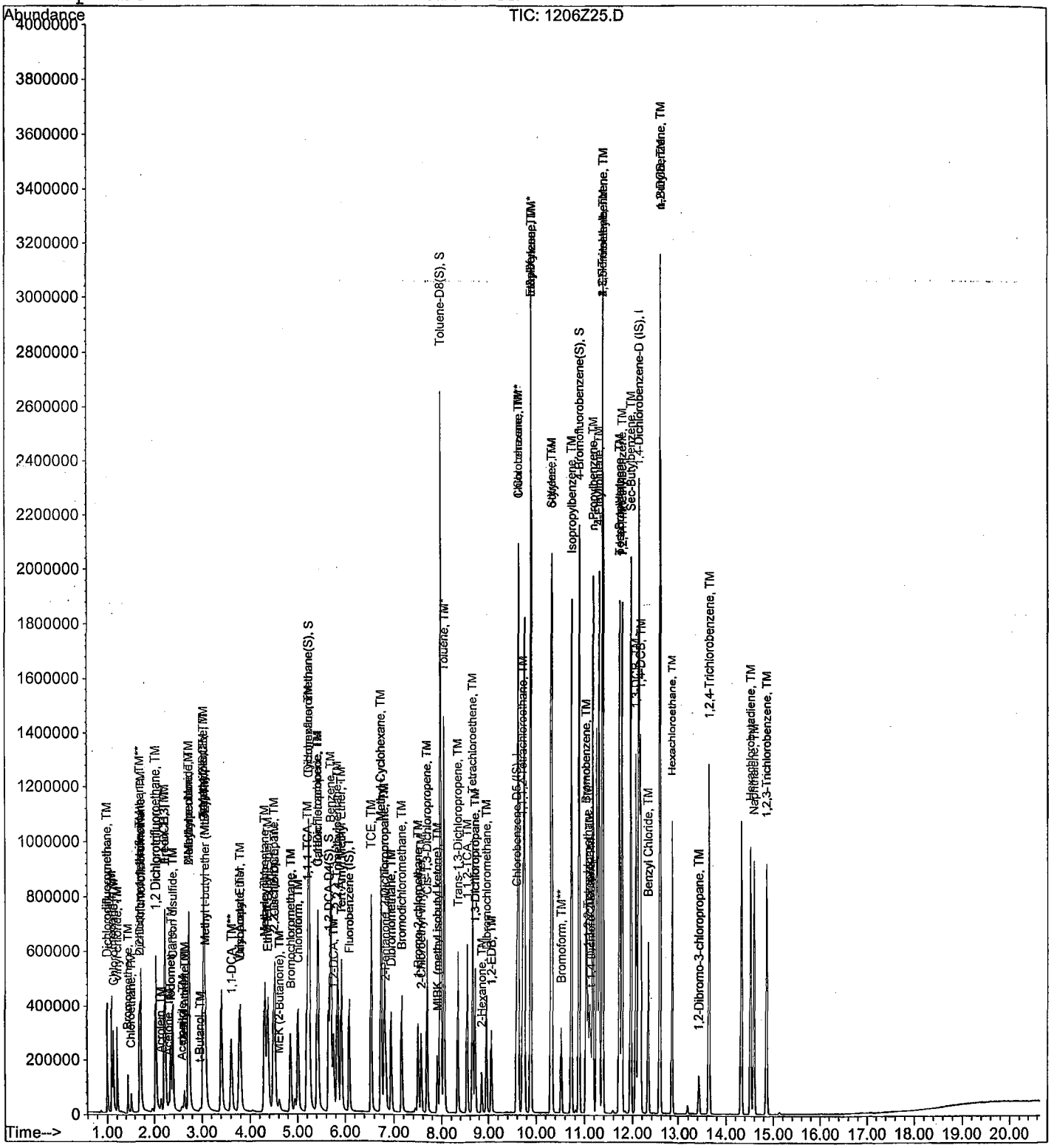
(#) = qualifier out of range (m) = manual integration

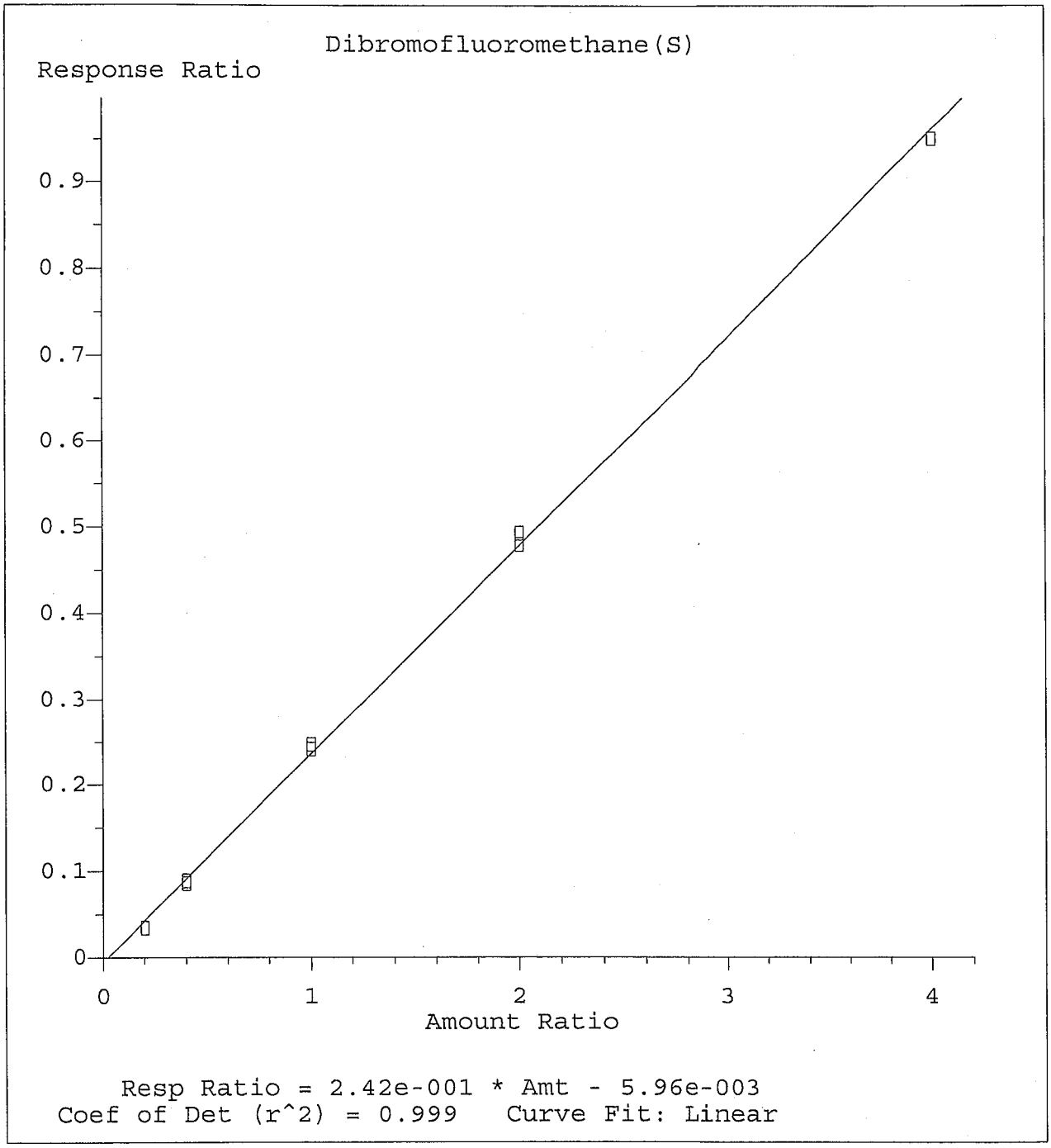
Quantitation Report

Data File : M:\ZEUS\DATA\211206\1206Z25.D Vial: 10
Acq On : 06 Dec 21 19:00 Operator: MH
Sample : 100ug/L VOC STD 12/6/21 Inst : Zeus
Misc : Multiplr: 1.00

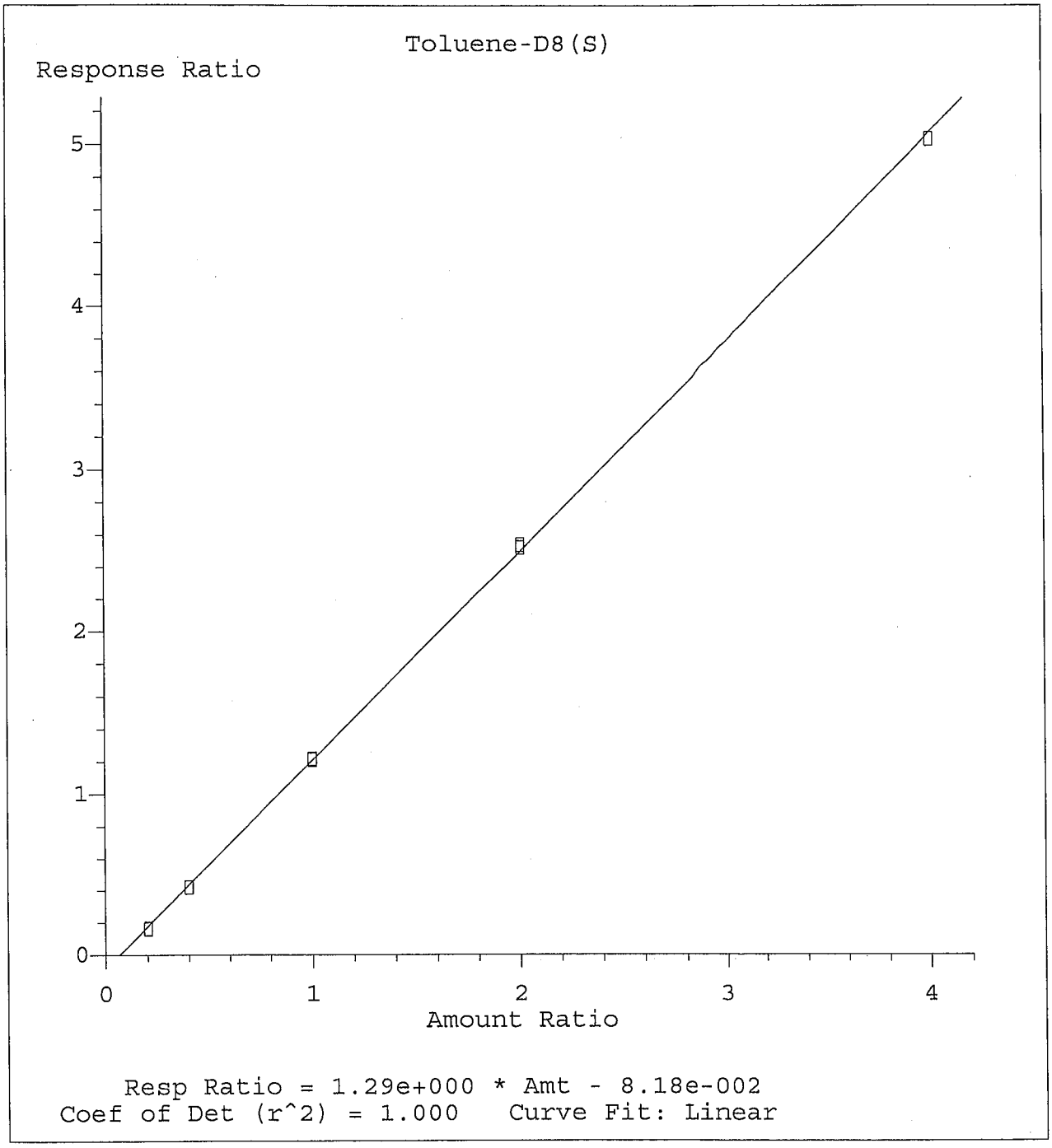
Quant Time: Dec 7 9:24 2021 Quant Results File: Z120621W.RE

Method : M:\ZEUS\DATA\211206\Z120621W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Dec 07 09:28:24 2021
Response via : Initial Calibration

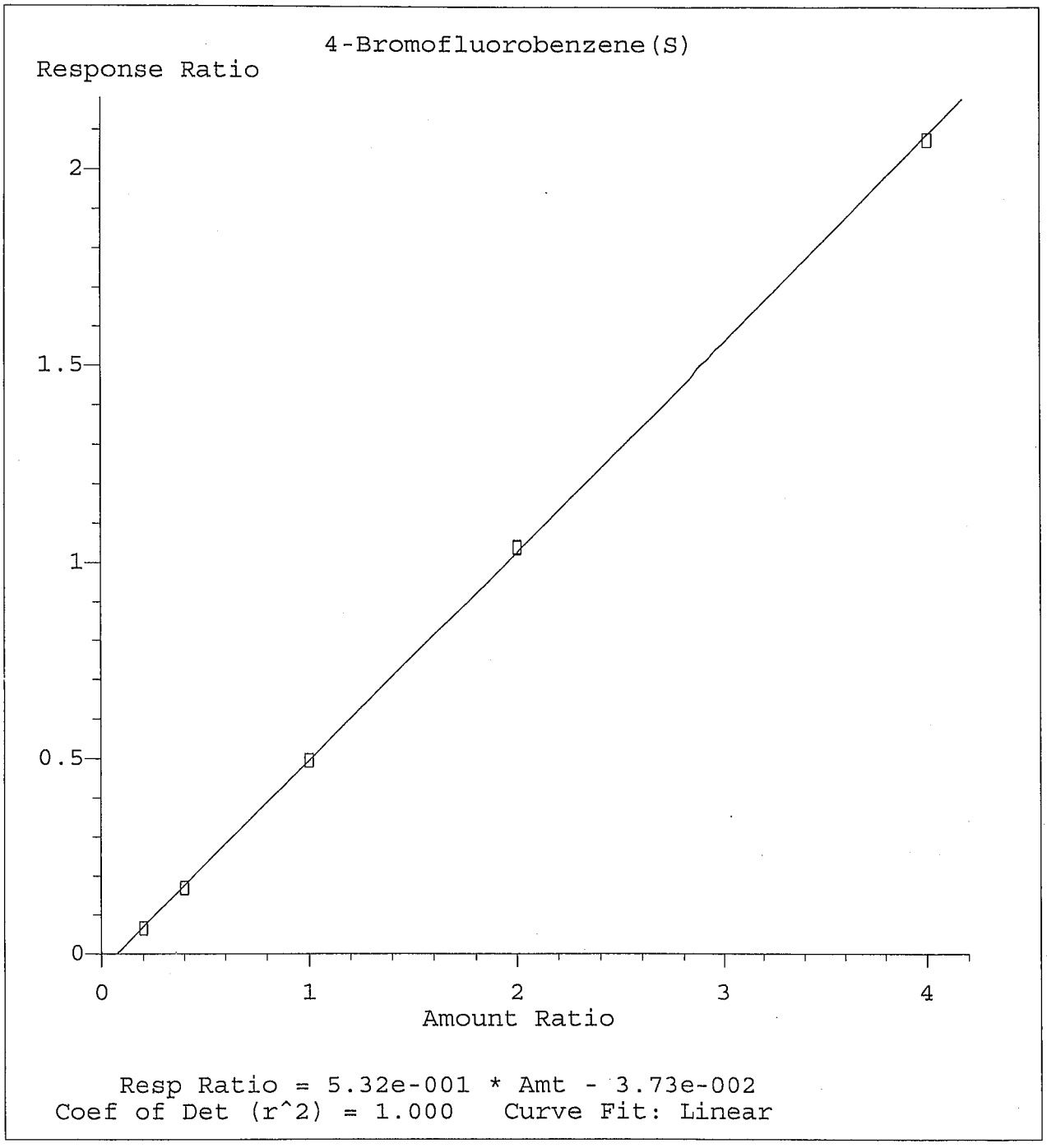




Method Name: M:\ZEUS\DATA\211206\Z120621W.M
Calibration Table Last Updated: Tue Dec 07 09:28:24 2021



Method Name: M:\ZEUS\DATA\211206\Z120621W.M
Calibration Table Last Updated: Tue Dec 07 09:28:24 2021



Method Name: M:\ZEUS\DATA\211206\Z120621W.M
Calibration Table Last Updated: Tue Dec 07 09:28:24 2021

VOLATILE ORGANIC ANALYSIS
VOLATILE ORGANIC COMPOUNDS

Form 7

Second Source Calibration

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

SDG No:
Date Analyzed: 12/6/2021
Instrument: Zeus
Initial Cal. Date: 12/6/2021
Data File: 1206Z27.D

		Compound	MEAN	CCRF	%D	%Drift		
1	TM	Dichlorodifluoromethane	0.1414	0.1463	3.4	TM		
2	TML	Freon 114	0.1242	0.1419	14	TML	44	*HIGH
3	TM**L	Chloromethane	0.1209	0.1270	5.0	TM**L	34	*HIGH
4	TM*	Vinyl chloride	0.1210	0.1301	7.6	TM*		
5		Butane	0.0000	0.0922	0.00			
6	TML	Bromomethane	0.0684	0.0507	26	TML	59	*HIGH
7	TMQ	Chloroethane	0.0237	0.0184	22	TMQ	8.8	
8	TML	Dichlorofluoromethane	0.2548	0.2678	5.1	TML	25	
9	TM	Trichlorofluoromethane	0.2153	0.2233	3.7	TM		
10	TML	Pentane	0.0000	0.0002	0.00	TML		
11	TML	Diethyl ether	0.0143	0.0169	18	TML	12	
12	TML	1,2 Dichlorotrifluoroethane	0.2548	0.1561	39	TML	36	*LOW
13	TM	Acrolein	0.0065	0.0069	4.9	TM		
14	TM	Acetone	0.0184	0.0185	0.62	TM		
15	TM	Freon-113	0.0653	0.0688	5.3	TM		
16	TM*	1,1-DCE	0.1656	0.1861	12	TM*		
17	TMQ	Acetonitrile	0.0031	0.0025	18	TMQ	20	
18	TM	t-Butanol	0.0024	0.0025	3.9	TM		
19	TML	Methyl Acetate	0.0491	0.0522	6.3	TML	14	
20	TML	Iodomethane	0.0919	0.0904	1.6	TML	4.7	
21	TML	Acrylonitrile	0.0222	0.0274	24	TML	13	
22	TML	Methylene chloride	0.1328	0.1351	1.7	TML	20	
23	TML	Carbon disulfide	0.2318	0.2724	18	TML	51	*HIGH
24	TM	Methyl t-butyl ether (MtBE)	0.2509	0.2852	14	TM		
25	TM	Trans-1,2-DCE	0.1657	0.1877	13	TM		
26	TML	Hexane	0.2248	0.2336	3.9	TML	7.7	
27	TM	Diisopropyl Ether	0.2271	0.2589	14	TM		
28	TM**L	2,2-Dichloro-1,1,1-trifluoroethane	0.0121	0.0143	19	TM**L	20	
29	TM**	1,1-DCA	0.2153	0.2323	7.9	TM**		
30	TM	Vinyl Acetate	0.1803	0.1866	3.5	TM		
31	TM	Ethyl tert Butyl Ether	0.2495	0.2859	15	TM		
32	TML	MEK (2-Butanone)	0.0081	0.0091	13	TML	3.6	
33	TM	Cis-1,2-DCE	0.1892	0.2093	11	TM		
34	TM	2,2-Dichloropropane	0.1949	0.2098	7.6	TM		
35	TML	2-Methylpentane	0.0845	0.0809	4.3	TML	11	
36	TML	3-Methylpentane	0.2100	0.2279	8.5	TML	4.5	
37	TM*	Chloroform	0.2387	0.2600	8.9	TM*		
38	TM	Bromochloromethane	0.0758	0.0863	14	TM		
39	TM	1,1,1-TCA	0.2124	0.2430	14	TM		
40	TML	Cyclohexane	0.2074	0.2346	13	TML	18	
		Average			10.6			

VOLATILE ORGANIC ANALYSIS
VOLATILE ORGANIC COMPOUNDS

Form 7

Second Source Calibration

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

SDG No:
Date Analyzed: 12/6/2021
Instrument: Zeus
Cal. Date: 12/6/2021
Data File: 1206Z27.D

		Compound	MEAN	CCRF	%D		%Drift
41	TM	1,1-Dichloropropene	0.1762	0.2046	16	TM	
42	TM	2,2,4-Trimethylpentane	0.4015	0.4263	6.2	TM	
43	TM	Carbon Tetrachloride	0.1824	0.2117	16	TM	
44	TM	Tert Amyl Methyl Ether	0.2802	0.3102	11	TM	
45	TML	Methylcyclopentane	0.2248	0.2336	3.9	TML	7.7
46	TM	1,2-DCA	0.1373	0.1510	10	TM	
47	TM	Benzene	0.5930	0.6713	13	TM	
48	TM	TCE	0.1825	0.2140	17	TM	
49	TM	2-Pentanone	0.0434	0.0445	2.6	TM	
50	TM*	1,2-Dichloropropane	0.1298	0.1501	16	TM*	
51	TM	Bromodichloromethane	0.1572	0.1765	12	TM	
52	TM	Methyl Cyclohexane	0.2532	0.2875	14	TM	
53	TML	Dibromomethane	0.0976	0.1103	13	TML	15
54	TML	MIBK (methyl isobutyl ketone)	0.0598	0.0648	8.5	TML	1.7
55	TML	1-Bromo-2-chloroethane	0.0174	0.0256	47	TML	14
56	TML	2-Chloroethyl vinyl ether	0.0335	0.0371	11	TML	1.8
57	TM	Cis-1,3-Dichloropropene	0.2051	0.2344	14	TM	
58	TM*	Toluene	0.7246	0.7870	8.6	TM*	
59	TM	Trans-1,3-Dichloropropene	0.1703	0.1922	13	TM	
60	TM	1,1,2-TCA	0.1165	0.1247	7.0	TM	
61	TML	2-Hexanone	0.0268	0.0297	11	TML	0.80
62	TML	1,2-EDB	0.1174	0.1378	17	TML	5.8
63	TML	Tetrachloroethene	0.2340	0.2647	13	TML	16
64	TML	1-Chlorohexane	0.2680	0.3061	14	TML	15
65	TML	1,1,1,2-Tetrachloroethane	0.1490	0.1720	15	TML	2.4
66	TM	m&p-Xylene	0.7020	0.7968	13	TM	
67	TM	o-Xylene	0.7126	0.7915	11	TM	
68	TML	Styrene	0.4969	0.5655	14	TML	6.2
69	TM	1,3-Dichloropropane	0.2176	0.2433	12	TM	
70	TML	Dibromochloromethane	0.1224	0.1440	18	TML	1.1
71	TM**	Chlorobenzene	0.5565	0.6128	10	TM**	
72	TM*	Ethylbenzene	1.405	1.594	13	TM*	
73	TM**L	Bromoform	0.0695	0.0824	19	TM**L	4.5
74	TM	Isopropylbenzene	2.738	3.217	18	TM	
75	TM**L	1,1,2,2-Tetrachloroethane	0.3849	0.4355	13	TM**L	1.5
76	TML	1,2,3-Trichloropropane	0.1246	0.1654	33	TML	11
77	TML	t-1,4-Dichloro-2-Butene	0.0794	0.1253	58	TML	19
78	TML	Bromobenzene	0.9290	1.044	12	TML	14
79	TM	n-Propylbenzene	3.250	3.744	15	TM	
80	TM	4-Ethyltoluene	2.767	3.284	19	TM	
		Average			15.2		

VOLATILE ORGANIC ANALYSIS
VOLATILE ORGANIC COMPOUNDS

Form 7

Second Source Calibration

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

SDG No:
Date Analyzed: 12/6/2021
Instrument: Zeus
Cal. Date: 12/6/2021
Data File: 1206Z27.D

		Compound	MEAN	CCRF	%D		%Drift
81	TML	2-Chlorotoluene	2.140	2.438	14	TML	15
82	TM	1,3,5-Trimethylbenzene	2.234	2.662	19	TM	
83	TM	4-Chlorotoluene	2.140	2.438	14	TM	
84	TM	Tert-Butylbenzene	2.133	2.432	14	TM	
85	TM	1,2,4-Trimethylbenzene	2.121	2.550	20	TM	
86	TM	Sec-Butylbenzene	3.027	3.513	16	TM	
87	TM	p-Isopropyltoluene	2.133	2.432	14	TM	
88	TML	Benzyl Chloride	0.8670	0.8126	6.3	TML	13
89	TM	1,3-DCB	1.346	1.545	15	TM	
90	TM	1,4-DCB	1.383	1.564	13	TM	
91	TM	n-Butylbenzene	2.168	2.554	18	TM	
92	TM	1,2-DCB	1.214	1.386	14	TM	
93	TML	Hexachloroethane	0.3085	0.3641	18	TML	3.1
94	TML	1,2-Dibromo-3-chloropropane	0.0698	0.0917	31	TML	5.9
95	TM	1,2,4-Trichlorobenzene	0.9484	1.095	15	TM	
96	TML	Hexachlorobutadiene	0.4430	0.5142	16	TML	11
97	TM	Naphthalene	1.568	1.791	14	TM	
98	TML	1,2,3-Trichlorobenzene	0.7135	0.8228	15	TML	11
99							
100							
101							
102							
103							
104							
105							
106							
107							
108							
109							
110							
111							
112							
113							
114							
115							
116							
117							
118							
119							
120							
		Average			15.9		

Quantitation Report (Not Reviewed)

Data File : M:\ZEUS\DATA\211206\1206Z27.D Vial: 12
Acq On : 06 Dec 21 19:48 Operator: MH
Sample : (SS) 10ug/L VOC STD 12/6/21 Inst : Zeus
Misc : Multiplr: 1.00

Quant Time: Dec 7 9:28 2021 Quant Results File: Z120621W.RE

Quant Method : M:\ZEUS\DATA\211206\Z120621W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Dec 07 09:28:24 2021
Response via : Initial Calibration
DataAcq Meth : 082421_Z8260.M

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	6.09	96	412017	25.000 ppb	0.00
68) Chlorobenzene-D5 (IS)	9.58	117	360860	25.000 ppb	0.00
83) 1,4-Dichlorobenzene-D (IS)	12.14	152	119576	25.000 ppb	0.00
System Monitoring Compounds					
43) Dibromofluoromethane(S)	5.23	111	101579	26.089 ppb	0.00
Spiked Amount 25.000			Recovery = 104.356%		
48) 1,2-DCA-D4(S)	5.65	65	84274	27.354 ppb	0.00
Spiked Amount 25.000			Recovery = 109.416%		
69) Toluene-D8(S)	7.98	98	451444	25.876 ppb	0.00
Spiked Amount 25.000			Recovery = 103.504%		
77) 4-Bromofluorobenzene(S)	10.88	95	185281	25.891 ppb	0.00
Spiked Amount 25.000			Recovery = 103.564%		
Target Compounds					Qvalue
3) Dichlorodifluoromethane	0.99	85	24106	10.342 ppb	94
4) Freon 114	1.09	85	23392	14.419 ppb	98
5) Chloromethane	1.13	50	20928	13.189 ppb	98
6) Vinyl chloride	1.20	62	21449	10.756 ppb	100
9) Bromomethane	1.45	94	8357	15.943 ppb	89
10) Chloroethane	1.53	66	3039	10.883 ppb	91
11) Dichlorofluoromethane	1.71	67	44101	11.768 ppb	99
12) Trichlorofluoromethane	1.74	101	36800	10.373 ppb	100
14) Diethyl ether	2.64	74	2792	11.198 ppb	99
15) 1,2 Dichlorotrifluoroethan	2.03	67	25726	6.385 ppb	98
16) Acrolein	2.13	55	14150	131.114 ppb	98
17) Acetone	2.28	43	15257	50.309 ppb	98
18) Freon-113	2.22	101	11336	10.529 ppb	99
19) 1,1-DCE	2.20	61	30674	11.239 ppb	97
21) Acetonitrile	2.57	40	5201	150.342 ppb	90
22) t-Butanol	2.94	59	5139	129.894 ppb	99
23) Methyl Acetate	2.64	43	8603	11.378 ppb	94
24) Iodomethane	2.34	142	14903	10.469 ppb	98
25) Acrylonitrile	3.04	52	4518	11.263 ppb	97
26) Methylene chloride	2.72	49	22271	11.994 ppb	99
27) Carbon disulfide	2.38	76	44896	15.077 ppb	99
28) Methyl t-butyl ether (MtBE	3.07	73	47000	11.365 ppb	93
29) Trans-1,2-DCE	3.04	61	30938	11.328 ppb	98
30) Hexane	4.30	56	38499	9.232 ppb #	100
31) Diisopropyl Ether	3.79	45	42675	11.401 ppb	94
32) 2,2-Dichloro-1,1,1-trifluo	1.71	83	2364	11.951 ppb	96
33) 1,1-DCA	3.61	63	38284	10.788 ppb	96

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

Quantitation Report (Not Reviewed)

Data File : M:\ZEUS\DATA\211206\1206Z27.D Vial: 12
Acq On : 06 Dec 21 19:48 Operator: MH
Sample : (SS) 10ug/L VOC STD 12/6/21 Inst : Zeus
Misc : Multiplr: 1.00

Quant Time: Dec 7 9:28 2021 Quant Results File: Z120621W.RE

Quant Method : M:\ZEUS\DATA\211206\Z120621W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Dec 07 09:28:24 2021
Response via : Initial Calibration
DataAcq Meth : 082421_Z8260.M

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
34)	Vinyl Acetate	3.77	43	30758	10.350	ppb	#	92
35)	Ethyl tert Butyl Ether	4.37	59	47116	11.457	ppb		90
36)	MEK (2-Butanone)	4.61	72	7509	48.208	ppb		90
37)	Cis-1,2-DCE	4.51	61	34502	11.065	ppb		97
38)	2,2-Dichloropropane	4.49	77	34579	10.765	ppb		96
39)	2-Methylpentane	2.74	42	13331	8.854	ppb		99
40)	3-Methylpentane	3.03	57	37556	9.546	ppb		93
41)	Chloroform	5.01	83	42844	10.891	ppb		92
42)	Bromochloromethane	4.85	49	14223	11.388	ppb		98
44)	1,1,1-TCA	5.21	97	40051	11.443	ppb		98
45)	Cyclohexane	5.25	56	38657	11.813	ppb		99
46)	1,1-Dichloropropene	5.44	75	33727	11.615	ppb		96
47)	2,2,4-Trimethylpentane	5.84	57	70264	10.618	ppb		100
49)	Carbon Tetrachloride	5.42	117	34888	11.609	ppb		99
50)	Tert Amyl Methyl Ether	5.92	73	51123	11.072	ppb		98
51)	Methylcyclopentane	4.30	56	38499	9.232	ppb		92
52)	1,2-DCA	5.75	62	24888	11.001	ppb		97
53)	Benzene	5.70	78	110628	11.320	ppb		99
54)	TCE	6.54	130	35275	11.728	ppb		97
55)	2-Pentanone	6.84	43	91719	128.206	ppb		99
56)	1,2-Dichloropropane	6.81	63	24742	11.570	ppb		99
57)	Bromodichloromethane	7.17	83	29081	11.227	ppb		95
58)	Methyl Cyclohexane	6.74	83	47375	11.354	ppb		98
59)	Dibromomethane	6.95	174	18185	11.470	ppb		95
60)	MIBK (methyl isobutyl ket	7.92	43	53431	49.129	ppb		99
61)	1-Bromo-2-chloroethane	7.50	144	4227	11.418	ppb		94
62)	2-Chloroethyl vinyl ether	7.57	43	30579	50.918	ppb		95
63)	Cis-1,3-Dichloropropene	7.70	75	38628	11.427	ppb		97
64)	Toluene	8.05	91	129695	10.860	ppb		99
65)	Trans-1,3-Dichloropropene	8.35	75	31677	11.288	ppb		97
66)	1,1,2-TCA	8.54	97	20556	10.703	ppb		97
67)	2-Hexanone	8.85	58	24485	50.402	ppb		96
70)	1,2-EDB	9.06	107	19889	10.583	ppb		96
71)	Tetrachloroethene	8.65	166	38202	11.552	ppb		99
72)	1-Chlorohexane	9.62	91	44180	11.472	ppb		97
73)	1,1,1,2-Tetrachloroethane	9.72	131	24829	10.239	ppb		99
74)	m&p-Xylene	9.88	91	230016	22.700	ppb		99
75)	o-Xylene	10.31	91	114244	11.106	ppb		99
76)	Styrene	10.33	104	81627	10.616	ppb		100
78)	1,3-Dichloropropane	8.72	76	35115	11.182	ppb		95
79)	Dibromochloromethane	8.96	129	20791	10.108	ppb		94
80)	Chlorobenzene	9.62	112	88449	11.010	ppb		97

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

Data File : M:\ZEUS\DATA\211206\1206Z27.D Vial: 12
Acq On : 06 Dec 21 19:48 Operator: MH
Sample : (SS) 10ug/L VOC STD 12/6/21 Inst : Zeus
Misc : Multiplr: 1.00

Quant Time: Dec 7 9:28 2021 Quant Results File: Z120621W.RE

Quant Method : M:\ZEUS\DATA\211206\Z120621W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Dec 07 09:28:24 2021
Response via : Initial Calibration
DataAcq Meth : 082421_Z8260.M

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
81)	Ethylbenzene	9.88	91	230016	11.343	ppb		99
82)	Bromoform	10.52	173	11890	9.545	ppb		100
84)	Isopropylbenzene	10.73	105	153887	11.751	ppb		98
85)	1,1,2,2-Tetrachloroethane	11.07	83	20829	10.148	ppb		97
86)	1,2,3-Trichloropropane	11.10	110	7909	11.099	ppb	#	88
87)	t-1,4-Dichloro-2-Butene	11.13	53	5991	11.865	ppb		97
88)	Bromobenzene	11.03	77	49922	11.409	ppb		96
89)	n-Propylbenzene	11.18	91	179069	11.520	ppb		99
90)	4-Ethyltoluene	11.30	105	157057	11.866	ppb		98
91)	2-Chlorotoluene	11.37	91	116604	11.480	ppb		98
92)	1,3,5-Trimethylbenzene	11.37	105	127340	11.917	ppb		99
93)	4-Chlorotoluene	11.37	91	116604	11.392	ppb		98
94)	Tert-Butylbenzene	11.73	119	116338	11.405	ppb		97
95)	1,2,4-Trimethylbenzene	11.78	105	121955	12.020	ppb		98
96)	Sec-Butylbenzene	11.96	105	168046	11.608	ppb		100
97)	p-Isopropyltoluene	11.73	119	116338	11.405	ppb		99
98)	Benzyl Chloride	12.33	91	38865	8.677	ppb		99
99)	1,3-DCB	12.07	146	73901	11.478	ppb		96
100)	1,4-DCB	12.17	146	74821	11.314	ppb		99
101)	n-Butylbenzene	12.57	91	122176	11.780	ppb		99
102)	1,2-DCB	12.57	146	66279	11.413	ppb		97
103)	Hexachloroethane	12.85	201	17417	9.686	ppb		93
104)	1,2-Dibromo-3-chloropropan	13.44	157	4388	10.593	ppb	#	81
105)	1,2,4-Trichlorobenzene	13.65	180	52376	11.546	ppb		99
106)	Hexachlorobutadiene	14.52	225	24594	11.069	ppb		96
107)	Naphthalene	14.60	128	85684	11.428	ppb		98
108)	1,2,3-Trichlorobenzene	14.86	180	39355	11.149	ppb		100

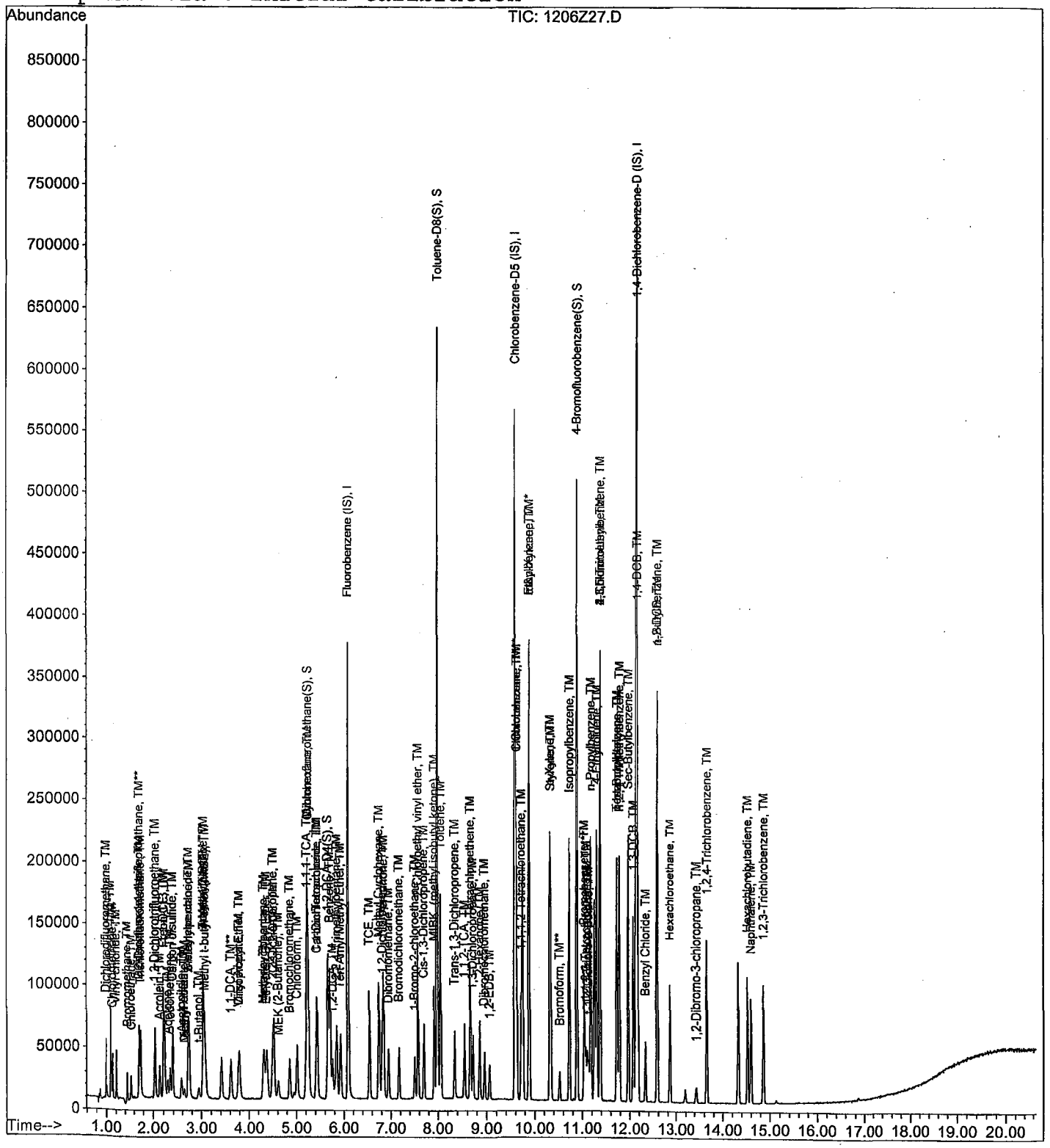
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\ZEUS\DATA\211206\1206Z27.D Vial: 12
Acq On : 06 Dec 21 19:48 Operator: MH
Sample : (SS) 10ug/L VOC STD 12/6/21 Inst : Zeus
Misc : Multiplr: 1.00

Quant Time: Dec 7 9:28 2021 Quant Results File: Z120621W.RE

Method : M:\ZEUS\DATA\211206\Z120621W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Dec 07 09:28:24 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: 12/7/2021
Instrument: Zeus
Initial Cal. Date: 12/6/2021
Data File: 1207Z02.D

		Compound	MEAN	CCRF	%D	%Drift		
1	I	Fluorobenzene (IS)	ISTD			I		
2	TM	Dichlorodifluoromethane	0.1414	0.1337	5.4	TM		
3	TML	Freon 114	0.1242	0.1103	11	TML	10	
4	TM**L	Chloromethane	0.1251	0.0991	21	TM**L	0.95	
5	TM*	Vinyl chloride	0.1210	0.1077	11	TM*		
6		Butane	0.0000	0.1039	0.00			
7	TML	Bromomethane	0.0684	0.0361	47	TML	5.6	
8	TMQ	Chloroethane	0.0237	0.0149	37	TMQ	17	
9	TML	Dichlorofluoromethane	0.2641	0.2073	22	TML	10	
10	TM	Trichlorofluoromethane	0.2153	0.2148	0.23	TM		
11	TML	Pentane	0.0000	0.0004	0.00	TML		
12	TML	Diethyl ether	0.0143	0.0146	1.9	TML	2.7	
13	TML	1,2 Dichlorotrifluoroethane	0.2548	0.1576	38	TML	35	*NT
14	TM	Acrolein	0.0065	0.0066	1.1	TM		
15	TM	Acetone	0.0184	0.0208	13	TM		
16	TM	Freon-113	0.0653	0.0668	2.2	TM		
17	TM*	1,1-DCE	0.1656	0.1611	2.7	TM*		
18	TMQ	Acetonitrile	0.0031	0.0023	24	TMQ	3.9	
19	TM	t-Butanol	0.0024	0.0028	15	TM		
20	TML	Methyl Acetate	0.0491	0.0475	3.3	TML	3.5	
21	TML	Iodomethane	0.0919	0.0712	23	TML	19	
22	TML	Acrylonitrile	0.0222	0.0253	14	TML	3.3	
23	TML	Methylene chloride	0.1328	0.1226	7.7	TML	7.7	
24	TML	Carbon disulfide	0.2318	0.1839	21	TML	2.4	
25	TM	Methyl t-butyl ether (MtBE)	0.2509	0.2622	4.5	TM		
26	TM	Trans-1,2-DCE	0.1657	0.1555	6.2	TM		
27	TML	Hexane	0.2248	0.2675	19	TML	5.9	
28	TM	Diisopropyl Ether	0.2271	0.2383	4.9	TM		
29	TM**L	2,2-Dichloro-1,1,1-trifluoroethane	0.0121	0.0116	4.4	TM**L	6.5	
30	TM**	1,1-DCA	0.2153	0.2098	2.6	TM**		
31	TM	Vinyl Acetate	0.1803	0.1918	6.4	TM		
32	TM	Ethyl tert Butyl Ether	0.2495	0.2618	4.9	TM		
33	TML	MEK (2-Butanone)	0.0081	0.0103	28	TML	7.6	
34	TM	Cis-1,2-DCE	0.1892	0.1857	1.8	TM		
35	TM	2,2-Dichloropropane	0.1949	0.2011	3.2	TM		
36	TML	2-Methylpentane	0.0845	0.0961	14	TML	5.5	
37	TML	3-Methylpentane	0.2100	0.2499	19	TML	4.6	
38	TM*	Chloroform	0.2387	0.2354	1.4	TM*		
39	TM	Bromochloromethane	0.0758	0.0754	0.51	TM		
40	SL	Dibromofluoromethane(S)	0.2216	0.2360	6.5	SL	0.02	
		Average			11.5			

VOLATILE ORGANIC ANALYSIS
VOLATILE ORGANIC COMPOUNDS

Form 7

Continuing Calibration

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

SDG No:
Date Analyzed: 12/7/2021
Instrument: Zeus
Cal. Date: 12/6/2021
Data File: 1207Z02.D

		Compound	MEAN	CCRF	%D		%Drift
41	TM	1,1,1-TCA	0.2124	0.2216	4.4	TM	
42	TML	Cyclohexane	0.2074	0.2070	0.19	TML	4.3
43	TM	1,1-Dichloropropene	0.1762	0.1799	2.1	TM	
44	TM	2,2,4-Trimethylpentane	0.4015	0.4164	3.7	TM	
45	S	1,2-DCA-D4(S)	0.1869	0.2072	11	S	
46	TM	Carbon Tetrachloride	0.1824	0.1911	4.8	TM	
47	TM	Tert Amyl Methyl Ether	0.2802	0.2826	0.87	TM	
48	TML	Methylcyclopentane	0.2248	0.2675	19	TML	5.9
49	TM	1,2-DCA	0.1373	0.1367	0.43	TM	
50	TM	Benzene	0.5930	0.5772	2.7	TM	
51	TM	TCE	0.1825	0.1840	0.84	TM	
52	TM	2-Pentanone	0.0434	0.0474	9.2	TM	
53	TM*	1,2-Dichloropropane	0.1298	0.1336	2.9	TM*	
54	TM	Bromodichloromethane	0.1572	0.1599	1.7	TM	
55	TM	Methyl Cyclohexane	0.2532	0.2576	1.7	TM	
56	TML	Dibromomethane	0.0976	0.0945	3.1	TML	2.2
57	TML	MIBK (methyl isobutyl ketone)	0.0598	0.0759	27	TML	14
58	TML	1-Bromo-2-chloroethane	0.0174	0.0224	29	TML	0.06
59	TML	2-Chloroethyl vinyl ether	0.0335	0.0383	14	TML	4.9
60	TM	Cis-1,3-Dichloropropene	0.2051	0.2105	2.6	TM	
61	TM*	Toluene	0.7246	0.7029	3.0	TM*	
62	TM	Trans-1,3-Dichloropropene	0.1703	0.1724	1.3	TM	
63	TM	1,1,2-TCA	0.1165	0.1157	0.75	TM	
64	TML	2-Hexanone	0.0268	0.0347	29	TML	16
65	I	Chlorobenzene-D5 (IS)	ISTD			I	
66	SL	Toluene-D8(S)	1.104	1.247	13	SL	3.2
67	TML	1,2-EDB	0.1174	0.1244	6.0	TML	4.0
68	TML	Tetrachloroethene	0.2340	0.2320	0.86	TML	0.98
69	TML	1-Chlorohexane	0.2680	0.2834	5.8	TML	6.0
70	TML	1,1,1,2-Tetrachloroethane	0.1490	0.1570	5.4	TML	5.9
71	TM	m&p-Xylene	0.7020	0.7233	3.0	TM	
72	TM	o-Xylene	0.7126	0.7148	0.30	TM	
73	TML	Styrene	0.4969	0.5090	2.4	TML	4.1
74	SL	4-Bromofluorobenzene(S)	0.4508	0.5099	13	SL	2.9
75	TM	1,3-Dichloropropane	0.2176	0.2244	3.1	TM	
76	TML	Dibromochloromethane	0.1224	0.1278	4.4	TML	9.3
77	TM**	Chlorobenzene	0.5565	0.5467	1.8	TM**	
78	TM*	Ethylbenzene	1.405	1.447	3.0	TM*	
79	TM**L	Bromoform	0.0695	0.0741	6.7	TM**L	13
80	I	1,4-Dichlorobenzene-D (IS)	ISTD			I	
		Average			6.4		

VOLATILE ORGANIC ANALYSIS
VOLATILE ORGANIC COMPOUNDS

Form 7

Continuing Calibration

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

SDG No:
Date Analyzed: 12/7/2021
Instrument: Zeus
Cal. Date: 12/6/2021
Data File: 1207Z02.D

		Compound	MEAN	CCRF	%D		%Drift
81	TM	Isopropylbenzene	2.738	2.885	5.4	TM	
82	TM**L	1,1,2,2-Tetrachloroethane	0.3849	0.4154	7.9	TM**L	2.9
83	TML	1,2,3-Trichloropropane	0.1246	0.1514	21	TML	2.0
84	TML	t-1,4-Dichloro-2-Butene	0.0794	0.1057	33	TML	1.2
85	TML	Bromobenzene	0.9290	0.9470	1.9	TML	3.5
86	TM	n-Propylbenzene	3.250	3.424	5.4	TM	
87	TM	4-Ethyltoluene	2.767	2.921	5.6	TM	
88	TML	2-Chlorotoluene	2.140	2.214	3.5	TML	4.1
89	TM	1,3,5-Trimethylbenzene	2.234	2.365	5.9	TM	
90	TM	4-Chlorotoluene	2.140	2.214	3.5	TM	
91	TM	Tert-Butylbenzene	2.133	2.220	4.1	TM	
92	TM	1,2,4-Trimethylbenzene	2.121	2.277	7.4	TM	
93	TM	Sec-Butylbenzene	3.027	3.254	7.5	TM	
94	TM	p-Isopropyltoluene	2.133	2.220	4.1	TM	
95	TML	Benzyl Chloride	0.8670	0.9023	4.1	TML	4.8
96	TM	1,3-DCB	1.346	1.375	2.1	TM	
97	TM	1,4-DCB	1.383	1.378	0.31	TM	
98	TM	n-Butylbenzene	2.168	2.362	8.9	TM	
99	TM	1,2-DCB	1.214	1.239	2.0	TM	
100	TML	Hexachloroethane	0.3085	0.3268	6.0	TML	11
101	TML	1,2-Dibromo-3-chloropropane	0.0698	0.0805	15	TML	5.2
102	TM	1,2,4-Trichlorobenzene	0.9484	0.9584	1.1	TM	
103	TML	Hexachlorobutadiene	0.4430	0.4593	3.7	TML	0.77
104	TM	Naphthalene	1.568	1.596	1.8	TM	
105	TML	1,2,3-Trichlorobenzene	0.7135	0.7368	3.3	TML	0.23
106							
107							
108							
109							
110							
111							
112							
113							
114							
115							
116							
117							
118							
119							
120							
		Average			6.6		

Quantitation Report (Not Reviewed)

Data File : M:\ZEUS\DATA\211206\1207Z02.D Vial: 2
Acq On : 07 Dec 21 15:30 Operator: MH
Sample : 211207A CCV 10ug/L Inst : Zeus
Misc : Multiplr: 1.00

Quant Time: Dec 8 8:39 2021 Quant Results File: Z120621W.RE

Quant Method : M:\ZEUS\DATA\211206\Z120621W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Dec 07 09:28:24 2021
Response via : Initial Calibration
DataAcq Meth : 082421_Z8260.M

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene (IS)	6.09	96	419379	25.00	ppb		0.00
68) Chlorobenzene-D5 (IS)	9.58	117	367662	25.00	ppb		0.00
83) 1,4-Dichlorobenzene-D (IS)	12.14	152	124264	25.00	ppb		0.00
System Monitoring Compounds							
43) Dibromofluoromethane(S)	5.23	111	98990	25.00	ppb		0.00
Spiked Amount 25.000			Recovery =	100.016%			
48) 1,2-DCA-D4(S)	5.65	65	86896	27.71	ppb		0.00
Spiked Amount 25.000			Recovery =	110.840%			
69) Toluene-D8(S)	7.98	98	458429	25.80	ppb		0.00
Spiked Amount 25.000			Recovery =	103.180%			
77) 4-Bromofluorobenzene(S)	10.88	95	187468	25.72	ppb		0.00
Spiked Amount 25.000			Recovery =	102.896%			
Target Compounds							Qvalue
3) Dichlorodifluoromethane	1.00	85	22436	9.46	ppb		97
4) Freon 114	1.09	85	18496	11.04	ppb		91
5) Chloromethane	1.13	50	16624	10.09	ppb		98
6) Vinyl chloride	1.20	62	18073	8.90	ppb		99
9) Bromomethane	1.45	94	6056	10.56	ppb		85
10) Chloroethane	1.53	66	2501	8.29	ppb		90
11) Dichlorofluoromethane	1.71	67	34780	9.00	ppb		95
12) Trichlorofluoromethane	1.74	101	36028	9.98	ppb		99
14) Diethyl ether	2.64	74	2447	9.73	ppb		99
15) 1,2 Dichlorotrifluoroethan	2.03	67	26431	6.46	ppb		98
16) Acrolein	2.13	55	13882	126.37	ppb		97
17) Acetone	2.28	43	17434	56.48	ppb		98
18) Freon-113	2.22	101	11203	10.22	ppb		99
19) 1,1-DCE	2.20	61	27030	9.73	ppb		96
21) Acetonitrile	2.58	40	4871	120.09	ppb		99
22) t-Butanol	2.95	59	5773	143.36	ppb	#	92
23) Methyl Acetate	2.64	43	7971	10.35	ppb		98
24) Iodomethane	2.34	142	11940	8.06	ppb		97
25) Acrylonitrile	3.04	52	4242	10.33	ppb		95
26) Methylene chloride	2.72	49	20570	10.77	ppb		94
27) Carbon disulfide	2.39	76	30848	9.76	ppb		99
28) Methyl t-butyl ether (MtBE	3.07	73	43981	10.45	ppb		98
29) Trans-1,2-DCE	3.04	61	26077	9.38	ppb		98
30) Hexane	4.30	56	44869	10.59	ppb	#	100
31) Diisopropyl Ether	3.79	45	39968	10.49	ppb		98
32) 2,2-Dichloro-1,1,1-trifluo	1.71	83	1941	9.35	ppb		92
33) 1,1-DCA	3.61	63	35197	9.74	ppb		98

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

Quantitation Report (Not Reviewed)

Data File : M:\ZEUS\DATA\211206\1207Z02.D Vial: 2
Acq On : 07 Dec 21 15:30 Operator: MH
Sample : 211207A CCV 10ug/L Inst : Zeus
Misc : Multiplr: 1.00

Quant Time: Dec 8 8:39 2021 Quant Results File: Z120621W.RE

Quant Method : M:\ZEUS\DATA\211206\Z120621W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Dec 07 09:28:24 2021
Response via : Initial Calibration
DataAcq Meth : 082421_Z8260.M

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
34)	Vinyl Acetate	3.78	43	32177	10.64	ppb	#	93
35)	Ethyl tert Butyl Ether	4.37	59	43920	10.49	ppb		97
36)	MEK (2-Butanone)	4.61	72	8672	53.82	ppb		84
37)	Cis-1,2-DCE	4.52	61	31157	9.82	ppb		94
38)	2,2-Dichloropropane	4.49	77	33736	10.32	ppb		98
39)	2-Methylpentane	2.74	42	16120	10.55	ppb		99
40)	3-Methylpentane	3.04	57	41914	10.46	ppb		94
41)	Chloroform	5.01	83	39482	9.86	ppb		95
42)	Bromochloromethane	4.85	49	12648	9.95	ppb		92
44)	1,1,1-TCA	5.20	97	37182	10.44	ppb		98
45)	Cyclohexane	5.25	56	34731	10.43	ppb		97
46)	1,1-Dichloropropene	5.44	75	30179	10.21	ppb		97
47)	2,2,4-Trimethylpentane	5.83	57	69847	10.37	ppb		99
49)	Carbon Tetrachloride	5.42	117	32052	10.48	ppb		95
50)	Tert Amyl Methyl Ether	5.92	73	47404	10.09	ppb		97
51)	Methylcyclopentane	4.30	56	44869	10.59	ppb		96
52)	1,2-DCA	5.75	62	22927	9.96	ppb		98
53)	Benzene	5.70	78	96818	9.73	ppb		96
54)	TCE	6.54	130	30872	10.08	ppb		99
55)	2-Pentanone	6.84	43	99400	136.50	ppb		98
56)	1,2-Dichloropropane	6.82	63	22405	10.29	ppb		96
57)	Bromodichloromethane	7.17	83	26826	10.17	ppb		91
58)	Methyl Cyclohexane	6.74	83	43206	10.17	ppb		96
59)	Dibromomethane	6.95	174	15860	9.78	ppb		96
60)	MIBK (methyl isobutyl ket	7.91	43	63691	56.82	ppb		100
61)	1-Bromo-2-chloroethane	7.50	144	3761	10.01	ppb		97
62)	2-Chloroethyl vinyl ether	7.57	43	32135	52.43	ppb		94
63)	Cis-1,3-Dichloropropene	7.69	75	35317	10.26	ppb		96
64)	Toluene	8.05	91	117911	9.70	ppb		98
65)	Trans-1,3-Dichloropropene	8.34	75	28926	10.13	ppb		96
66)	1,1,2-TCA	8.54	97	19403	9.92	ppb		98
67)	2-Hexanone	8.86	58	29071	58.15	ppb		96
70)	1,2-EDB	9.06	107	18301	9.60	ppb		91
71)	Tetrachloroethene	8.66	166	34118	10.10	ppb		99
72)	1-Chlorohexane	9.62	91	41679	10.60	ppb		95
73)	1,1,1,2-Tetrachloroethane	9.72	131	23096	9.41	ppb		98
74)	m&p-Xylene	9.88	91	212739	20.61	ppb		99
75)	o-Xylene	10.31	91	105121	10.03	ppb		99
76)	Styrene	10.33	104	74850	9.59	ppb		98
78)	1,3-Dichloropropane	8.72	76	33001	10.31	ppb		98
79)	Dibromochloromethane	8.96	129	18792	9.07	ppb		99
80)	Chlorobenzene	9.61	112	80395	9.82	ppb		96

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

Data File : M:\ZEUS\DATA\211206\1207Z02.D Vial: 2
Acq On : 07 Dec 21 15:30 Operator: MH
Sample : 211207A CCV 10ug/L Inst : Zeus
Misc : Multiplr: 1.00

Quant Time: Dec 8 8:39 2021 Quant Results File: Z120621W.RE

Quant Method : M:\ZEUS\DATA\211206\Z120621W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Dec 07 09:28:24 2021
Response via : Initial Calibration
DataAcq Meth : 082421_Z8260.M

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
81)	Ethylbenzene	9.88	91	212741	10.30	ppb	99
82)	Bromoform	10.52	173	10903	8.73	ppb	96
84)	Isopropylbenzene	10.73	105	143410	10.54	ppb	99
85)	1,1,2,2-Tetrachloroethane	11.07	83	20646	9.71	ppb	100
86)	1,2,3-Trichloropropane	11.11	110	7526	10.20	ppb	90
87)	t-1,4-Dichloro-2-Butene	11.13	53	5252	10.12	ppb	95
88)	Bromobenzene	11.03	77	47070	10.35	ppb	95
89)	n-Propylbenzene	11.18	91	170216	10.54	ppb	100
90)	4-Ethyltoluene	11.30	105	145202	10.56	ppb	100
91)	2-Chlorotoluene	11.37	91	110048	10.41	ppb	99
92)	1,3,5-Trimethylbenzene	11.37	105	117547	10.59	ppb	97
93)	4-Chlorotoluene	11.37	91	110048	10.35	ppb	99
94)	Tert-Butylbenzene	11.73	119	110363	10.41	ppb	96
95)	1,2,4-Trimethylbenzene	11.78	105	113185	10.74	ppb	97
96)	Sec-Butylbenzene	11.96	105	161718	10.75	ppb	98
97)	p-Isopropyltoluene	11.73	119	110363	10.41	ppb	97
98)	Benzyl Chloride	12.33	91	44849	9.52	ppb	98
99)	1,3-DCB	12.07	146	68347	10.21	ppb	99
100)	1,4-DCB	12.17	146	68508	9.97	ppb	98
101)	n-Butylbenzene	12.57	91	117406	10.89	ppb	99
102)	1,2-DCB	12.57	146	61576	10.20	ppb	98
103)	Hexachloroethane	12.85	201	16245	8.85	ppb	94
104)	1,2-Dibromo-3-chloropropan	13.43	157	4001	9.48	ppb	91
105)	1,2,4-Trichlorobenzene	13.65	180	47638	10.11	ppb	100
106)	Hexachlorobutadiene	14.52	225	22828	9.92	ppb	94
107)	Naphthalene	14.60	128	79322	10.18	ppb	95
108)	1,2,3-Trichlorobenzene	14.86	180	36621	10.02	ppb	98

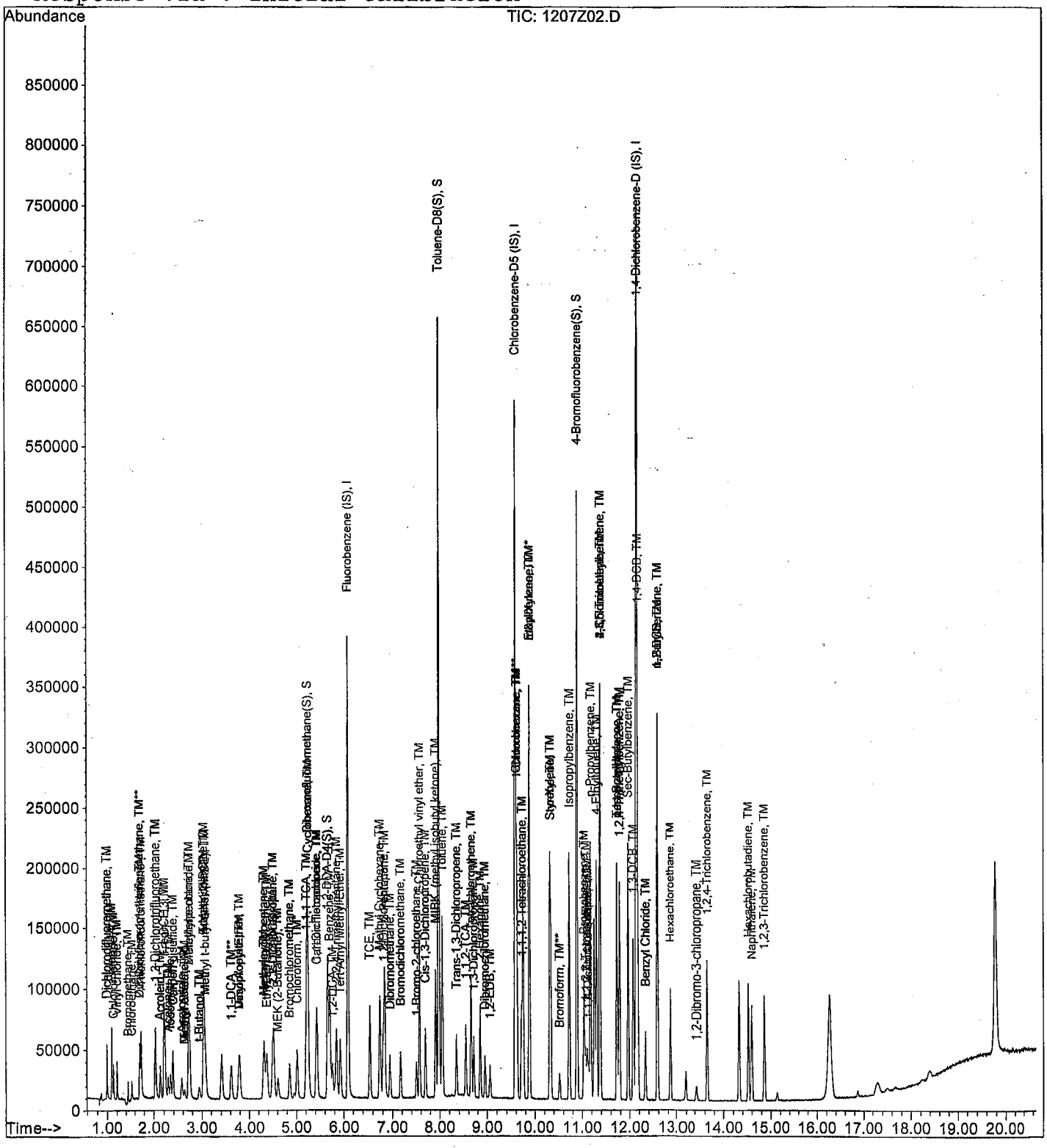
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\ZEUS\DATA\211206\1207Z02.D Vial: 2
Acq On : 07 Dec 21 15:30 Operator: MH
Sample : 211207A CCV 10ug/L Inst : Zeus
Misc : Multiplr: 1.00

Quant Time: Dec 8 8:39 2021 Quant Results File: Z120621W.RE

Method : M:\ZEUS\DATA\211206\Z120621W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Dec 07 09:28:24 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: 12/8/2021
Instrument: Zeus
Initial Cal. Date: 12/6/2021
Data File: 1207Z30.D

		Compound	MEAN	CCRF	%D		%Drift
1	I	Fluorobenzene (IS)	ISTD			I	
2	TM	Dichlorodifluoromethane	0.1414	0.1439	1.8	TM	
3	TML	Freon 114	0.1242	0.1305	5.1	TML	32
4	TM**L	Chloromethane	0.1251	0.1148	8.2	TM**L	18
5	TM*	Vinyl chloride	0.1210	0.1110	8.2	TM*	
6		Butane	0.0000	0.0954	0.00		
7	TML	Bromomethane	0.0684	0.0381	44	TML	13
8	TMQ	Chloroethane	0.0237	0.0168	29	TMQ	3.3
9	TML	Dichlorofluoromethane	0.2641	0.2573	2.6	TML	13
10	TM	Trichlorofluoromethane	0.2153	0.2280	5.9	TM	
11	TML	Pentane	0.0000	0.0001	0.00	TML	
12	TML	Diethyl ether	0.0143	0.0134	6.5	TML	10
13	TML	1,2 Dichlorotrifluoroethane	0.2548	0.1688	34	TML	29
14	TM	Acrolein	0.0065	0.0055	15	TM	
15	TM	Acetone	0.0184	0.0191	3.7	TM	
16	TM	Freon-113	0.0653	0.0673	3.1	TM	
17	TM*	1,1-DCE	0.1656	0.1677	1.3	TM*	
18	TML	2-Propanol	0.0000	0.0000	0.00	TML	
19	TMQ	Acetonitrile	0.0031	0.0025	18	TMQ	19
20	TM	t-Butanol	0.0024	0.0022	6.6	TM	
21	TML	Methyl Acetate	0.0491	0.0433	12	TML	5.8
22	TML	Iodomethane	0.0919	0.0919	0.07	TML	6.6
23	TML	Acrylonitrile	0.0222	0.0225	1.5	TML	8.8
24	TML	Methylene chloride	0.1328	0.1295	2.5	TML	14
25	TML	Carbon disulfide	0.2318	0.1914	17	TML	2.1
26	TM	Methyl t-butyl ether (MtBE)	0.2509	0.2369	5.6	TM	
27	TM	Trans-1,2-DCE	0.1657	0.1643	0.86	TM	
28	TML	Hexane	0.2248	0.2464	9.6	TML	2.6
29	TM	Diisopropyl Ether	0.2271	0.2300	1.3	TM	
30	TM**L	2,2-Dichloro-1,1,1-trifluoroethane	0.0121	0.0144	19	TM**L	20
31	TM**	1,1-DCA	0.2153	0.2239	4.0	TM**	
32	TM	Vinyl Acetate	0.1803	0.1424	21	TM	
33	TM	Ethyl tert Butyl Ether	0.2495	0.2450	1.8	TM	
34	TML	MEK (2-Butanone)	0.0081	0.0088	8.1	TML	6.9
35	TM	Cis-1,2-DCE	0.1892	0.1908	0.84	TM	
36	TM	2,2-Dichloropropane	0.1949	0.1808	7.3	TM	
37	TML	2-Methylpentane	0.0845	0.0895	5.9	TML	1.9
38	TML	3-Methylpentane	0.2100	0.2268	8.0	TML	5.0
39	TM*	Chloroform	0.2387	0.2478	3.8	TM*	
40	TM	Bromochloromethane	0.0758	0.0775	2.3	TM	
		Average			8.3		

VOLATILE ORGANIC ANALYSIS
VOLATILE ORGANIC COMPOUNDS

Form 7

Ending Continuing Calibration

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

SDG No:
Date Analyzed: 12/8/2021
Instrument: Zeus
Cal. Date: 12/6/2021
Data File: 1207Z30.D

		Compound	MEAN	CCRF	%D		%Drift
41	SL	Dibromofluoromethane(S)	0.2216	0.2409	8.7	SL	2.0
42	TM	1,1,1-TCA	0.2124	0.2293	8.0	TM	
43	TML	Cyclohexane	0.2074	0.2061	0.65	TML	3.8
44	TM	1,1-Dichloropropene	0.1762	0.1790	1.6	TM	
45	TM	2,2,4-Trimethylpentane	0.4015	0.3862	3.8	TM	
46	S	1,2-DCA-D4(S)	0.1869	0.1960	4.8	S	
47	TM	Carbon Tetrachloride	0.1824	0.1987	9.0	TM	
48	TM	Tert Amyl Methyl Ether	0.2802	0.2599	7.2	TM	
49	TML	Methylcyclopentane	0.2248	0.2464	9.6	TML	2.6
50	TM	1,2-DCA	0.1373	0.1340	2.3	TM	
51	TM	Benzene	0.5930	0.5804	2.1	TM	
52	TM	TCE	0.1825	0.1901	4.1	TM	
53	TM	2-Pentanone	0.0434	0.0398	8.2	TM	
54	TM*	1,2-Dichloropropane	0.1298	0.1321	1.8	TM*	
55	TM	Bromodichloromethane	0.1572	0.1577	0.34	TM	
56	TM	Methyl Cyclohexane	0.2532	0.2538	0.26	TM	
57	TML	Dibromomethane	0.0976	0.0943	3.4	TML	2.5
58	TML	MIBK (methyl isobutyl ketone)	0.0598	0.0653	9.2	TML	1.2
59	TML	1-Bromo-2-chloroethane	0.0174	0.0211	21	TML	5.9
60	TML	2-Chloroethyl vinyl ether	0.0335	0.0334	0.43	TML	7.5
61	TM	Cis-1,3-Dichloropropene	0.2051	0.1955	4.7	TM	
62	TM*	Toluene	0.7246	0.7142	1.4	TM*	
63	TM	Trans-1,3-Dichloropropene	0.1703	0.1591	6.5	TM	
64	TM	1,1,2-TCA	0.1165	0.1094	6.1	TM	
65	TML	2-Hexanone	0.0268	0.0295	9.9	TML	0.05
66	I	Chlorobenzene-D5 (IS)	ISTD			I	
67	SL	Toluene-D8(S)	1.104	1.180	6.8	SL	2.0
68	TML	1,2-EDB	0.1174	0.1131	3.6	TML	12
69	TML	Tetrachloroethene	0.2340	0.2275	2.8	TML	1.0
70	TML	1-Chlorohexane	0.2680	0.2785	3.9	TML	4.1
71	TML	1,1,1,2-Tetrachloroethane	0.1490	0.1514	1.6	TML	9.1
72	TM	m&p-Xylene	0.7020	0.7173	2.2	TM	
73	TM	o-Xylene	0.7126	0.7109	0.24	TM	
74	TML	Styrene	0.4969	0.5056	1.7	TML	4.7
75	SL	4-Bromofluorobenzene(S)	0.4508	0.4874	8.1	SL	1.3
76	TM	1,3-Dichloropropane	0.2176	0.2102	3.4	TM	
77	TML	Dibromochloromethane	0.1224	0.1225	0.08	TML	13
78	TM**	Chlorobenzene	0.5565	0.5509	1.0	TM**	
79	TM*	Ethylbenzene	1.405	1.435	2.1	TM*	
80	TM**L	Bromoform	0.0695	0.0677	2.6	TM**L	19
		Average			4.5		

VOLATILE ORGANIC ANALYSIS
VOLATILE ORGANIC COMPOUNDS

Form 7

Ending Continuing Calibration

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

SDG No:
Date Analyzed: 12/8/2021
Instrument: Zeus
Cal. Date: 12/6/2021
Data File: 1207Z30.D

		Compound	MEAN	CCRF	%D		%Drift
81	I	1,4-Dichlorobenzene-D (IS)	ISTD			I	
82	TM	Isopropylbenzene	2.738	2.869	4.8	TM	
83	TM**L	1,1,2,2-Tetrachloroethane	0.3849	0.3556	7.6	TM**L	16
84	TML	1,2,3-Trichloropropane	0.1246	0.1296	4.0	TML	12
85	TML	t-1,4-Dichloro-2-Butene	0.0794	0.0864	8.8	TML	16
86	TML	Bromobenzene	0.9290	0.9188	1.1	TML	0.42
87	TM	n-Propylbenzene	3.250	3.302	1.6	TM	
88	TM	4-Ethyltoluene	2.767	2.834	2.4	TM	
89	TML	2-Chlorotoluene	2.140	2.158	0.85	TML	1.5
90	TM	1,3,5-Trimethylbenzene	2.234	2.320	3.8	TM	
91	TM	4-Chlorotoluene	2.140	2.158	0.85	TM	
92	TM	Tert-Butylbenzene	2.133	2.160	1.3	TM	
93	TM	1,2,4-Trimethylbenzene	2.121	2.187	3.1	TM	
94	TM	Sec-Butylbenzene	3.027	3.170	4.7	TM	
95	TM	p-Isopropyltoluene	2.133	2.160	1.3	TM	
96	TML	Benzyl Chloride	0.8670	0.6171	29	TML	32
97	TM	1,3-DCB	1.346	1.330	1.2	TM	
98	TM	1,4-DCB	1.383	1.353	2.1	TM	
99	TM	n-Butylbenzene	2.168	2.266	4.5	TM	
100	TM	1,2-DCB	1.214	1.208	0.47	TM	
101	TML	Hexachloroethane	0.3085	0.3225	4.5	TML	12
102	TML	1,2-Dibromo-3-chloropropane	0.0698	0.0698	0.05	TML	16
103	TM	1,2,4-Trichlorobenzene	0.9484	0.9171	3.3	TM	
104	TML	Hexachlorobutadiene	0.4430	0.4651	5.0	TML	0.44
105	TM	Naphthalene	1.568	1.456	7.1	TM	
106	TML	1,2,3-Trichlorobenzene	0.7135	0.7125	0.15	TML	2.9
107							
108							
109							
110							
111							
112							
113							
114							
115							
116							
117							
118							
119							
120							
		Average			4.1		

Quantitation Report (Not Reviewed)

Data File : M:\ZEUS\DATA\211206\1207Z30.D Vial: 30
Acq On : 08 Dec 21 02:43 Operator: MH
Sample : Ending CCV 10ug/L 12/7/21 Inst : Zeus
Misc : Multiplr: 1.00

Quant Time: Dec 8 8:40 2021 Quant Results File: Z120621W.RE

Quant Method : M:\ZEUS\DATA\211206\Z120621W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Dec 07 09:28:24 2021
Response via : Initial Calibration
DataAcq Meth : 082421_Z8260.M

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene (IS)	6.09	96	382625	25.00	ppb		0.00
68) Chlorobenzene-D5 (IS)	9.58	117	342519	25.00	ppb		0.00
83) 1,4-Dichlorobenzene-D (IS)	12.14	152	117488	25.00	ppb		0.00
System Monitoring Compounds							
43) Dibromofluoromethane(S)	5.23	111	92185	25.51	ppb		0.00
Spiked Amount 25.000			Recovery =	102.036%			
48) 1,2-DCA-D4(S)	5.65	65	74991	26.21	ppb		0.00
Spiked Amount 25.000			Recovery =	104.840%			
69) Toluene-D8(S)	7.98	98	404008	24.49	ppb		0.00
Spiked Amount 25.000			Recovery =	97.952%			
77) 4-Bromofluorobenzene(S)	10.88	95	166930	24.66	ppb		0.00
Spiked Amount 25.000			Recovery =	98.660%			
Target Compounds							Qvalue
3) Dichlorodifluoromethane	1.00	85	22025	10.18	ppb		98
4) Freon 114	1.09	85	19976	13.20	ppb		94
5) Chloromethane	1.13	50	17576	11.84	ppb		97
6) Vinyl chloride	1.20	62	16992	9.18	ppb		99
9) Bromomethane	1.45	94	5824	11.28	ppb		89
10) Chloroethane	1.53	66	2572	9.67	ppb		99
11) Dichlorofluoromethane	1.71	67	39386	11.30	ppb		96
12) Trichlorofluoromethane	1.74	101	34896	10.59	ppb		94
14) Diethyl ether	2.64	74	2048	8.97	ppb		93
15) 1,2 Dichlorotrifluoroethan	2.03	67	25835	7.08	ppb		95
16) Acrolein	2.13	55	10617	105.93	ppb		94
17) Acetone	2.29	43	14604	51.86	ppb		95
18) Freon-113	2.22	101	10306	10.31	ppb		97
19) 1,1-DCE	2.20	61	25666	10.13	ppb		96
21) Acetonitrile	2.57	40	4814	148.55	ppb		93
22) t-Butanol	2.94	59	4288	116.71	ppb		97
23) Methyl Acetate	2.64	43	6623	9.42	ppb		96
24) Iodomethane	2.34	142	14068	10.66	ppb		99
25) Acrylonitrile	3.04	52	3445	9.12	ppb		94
26) Methylene chloride	2.72	49	19818	11.44	ppb		98
27) Carbon disulfide	2.39	76	29288	10.21	ppb		97
28) Methyl t-butyl ether (MtBE	3.07	73	36254	9.44	ppb		98
29) Trans-1,2-DCE	3.04	61	25145	9.91	ppb		97
30) Hexane	4.31	56	37708	9.74	ppb	#	100
31) Diisopropyl Ether	3.79	45	35198	10.13	ppb		89
32) 2,2-Dichloro-1,1,1-trifluo	1.71	83	2208	12.03	ppb		97
33) 1,1-DCA	3.61	63	34264	10.40	ppb		98

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

Data File : M:\ZEUS\DATA\211206\1207Z30.D Vial: 30
Acq On : 08 Dec 21 02:43 Operator: MH
Sample : Ending CCV 10ug/L 12/7/21 Inst : Zeus
Misc : Multiplr: 1.00

Quant Time: Dec 8 8:40 2021 Quant Results File: Z120621W.RE

Quant Method : M:\ZEUS\DATA\211206\Z120621W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Dec 07 09:28:24 2021
Response via : Initial Calibration
DataAcq Meth : 082421_Z8260.M

Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
34) Vinyl Acetate	3.78	43	21801	7.90	ppb	#	89
35) Ethyl tert Butyl Ether	4.36	59	37499	9.82	ppb		96
36) MEK (2-Butanone)	4.61	72	6700	46.57	ppb		88
37) Cis-1,2-DCE	4.52	61	29200	10.08	ppb		98
38) 2,2-Dichloropropane	4.49	77	27664	9.27	ppb		98
39) 2-Methylpentane	2.74	42	13695	9.81	ppb		93
40) 3-Methylpentane	3.04	57	34707	9.50	ppb		93
41) Chloroform	5.02	83	37923	10.38	ppb		99
42) Bromochloromethane	4.85	49	11867	10.23	ppb		92
44) 1,1,1-TCA	5.21	97	35098	10.80	ppb		99
45) Cyclohexane	5.25	56	31540	10.38	ppb		98
46) 1,1-Dichloropropene	5.44	75	27398	10.16	ppb		95
47) 2,2,4-Trimethylpentane	5.84	57	59110	9.62	ppb		99
49) Carbon Tetrachloride	5.41	117	30416	10.90	ppb		98
50) Tert Amyl Methyl Ether	5.92	73	39781	9.28	ppb		95
51) Methylcyclopentane	4.31	56	37708	9.74	ppb		91
52) 1,2-DCA	5.75	62	20516	9.77	ppb		100
53) Benzene	5.70	78	88829	9.79	ppb		96
54) TCE	6.54	130	29088	10.41	ppb		95
55) 2-Pentanone	6.84	43	76225	114.73	ppb		98
56) 1,2-Dichloropropane	6.81	63	20225	10.18	ppb		99
57) Bromodichloromethane	7.17	83	24136	10.03	ppb		95
58) Methyl Cyclohexane	6.74	83	38851	10.03	ppb		98
59) Dibromomethane	6.95	174	14428	9.75	ppb		97
60) MIBK (methyl isobutyl ket	7.92	43	49945	49.42	ppb		99
61) 1-Bromo-2-chloroethane	7.50	144	3222	9.41	ppb		98
62) 2-Chloroethyl vinyl ether	7.57	43	25546	46.23	ppb		97
63) Cis-1,3-Dichloropropene	7.70	75	29927	9.53	ppb		97
64) Toluene	8.05	91	109308	9.86	ppb		99
65) Trans-1,3-Dichloropropene	8.35	75	24355	9.35	ppb		98
66) 1,1,2-TCA	8.54	97	16741	9.39	ppb		98
67) 2-Hexanone	8.86	58	22555	50.03	ppb		94
70) 1,2-EDB	9.06	107	15497	8.77	ppb		91
71) Tetrachloroethene	8.66	166	31172	9.90	ppb		97
72) 1-Chlorohexane	9.62	91	38153	10.41	ppb		97
73) 1,1,1,2-Tetrachloroethane	9.72	131	20742	9.09	ppb		98
74) m&p-Xylene	9.88	91	196547	20.44	ppb		99
75) o-Xylene	10.31	91	97399	9.98	ppb		100
76) Styrene	10.33	104	69270	9.53	ppb		98
78) 1,3-Dichloropropane	8.71	76	28802	9.66	ppb		97
79) Dibromochloromethane	8.96	129	16778	8.72	ppb		99
80) Chlorobenzene	9.62	112	75477	9.90	ppb		97

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

Quantitation Report (Not Reviewed)

Data File : M:\ZEUS\DATA\211206\1207Z30.D Vial: 30
Acq On : 08 Dec 21 02:43 Operator: MH
Sample : Ending CCV 10ug/L 12/7/21 Inst : Zeus
Misc : Multiplr: 1.00

Quant Time: Dec 8 8:40 2021 Quant Results File: Z120621W.RE

Quant Method : M:\ZEUS\DATA\211206\Z120621W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Dec 07 09:28:24 2021
Response via : Initial Calibration
DataAcq Meth : 082421_Z8260.M

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
81)	Ethylbenzene	9.88	91	196547	10.21	ppb	99
82)	Bromoform	10.52	173	9278	8.10	ppb	97
84)	Isopropylbenzene	10.73	105	134819	10.48	ppb	99
85)	1,1,2,2-Tetrachloroethane	11.07	83	16711	8.41	ppb	100
86)	1,2,3-Trichloropropane	11.10	110	6090	8.80	ppb	95
87)	t-1,4-Dichloro-2-Butene	11.13	53	4062	8.41	ppb	91
88)	Bromobenzene	11.03	77	43179	10.04	ppb	93
89)	n-Propylbenzene	11.18	91	155176	10.16	ppb	99
90)	4-Ethyltoluene	11.30	105	133167	10.24	ppb	98
91)	2-Chlorotoluene	11.37	91	101424	10.15	ppb	99
92)	1,3,5-Trimethylbenzene	11.37	105	109018	10.38	ppb	99
93)	4-Chlorotoluene	11.37	91	101424	10.09	ppb	99
94)	Tert-Butylbenzene	11.73	119	101494	10.13	ppb	95
95)	1,2,4-Trimethylbenzene	11.78	105	102800	10.31	ppb	95
96)	Sec-Butylbenzene	11.96	105	148987	10.47	ppb	100
97)	p-Isopropyltoluene	11.73	119	101494	10.13	ppb	97
98)	Benzyl Chloride	12.33	91	29002	6.84	ppb	98
99)	1,3-DCB	12.07	146	62526	9.88	ppb	98
100)	1,4-DCB	12.17	146	63585	9.79	ppb	99
101)	n-Butylbenzene	12.57	91	106477	10.45	ppb	98
102)	1,2-DCB	12.57	146	56789	9.95	ppb	97
103)	Hexachloroethane	12.84	201	15155	8.76	ppb	95
104)	1,2-Dibromo-3-chloropropan	13.43	157	3281	8.42	ppb	96
105)	1,2,4-Trichlorobenzene	13.65	180	43100	9.67	ppb	96
106)	Hexachlorobutadiene	14.52	225	21856	10.04	ppb	98
107)	Naphthalene	14.60	128	68413	9.29	ppb	100
108)	1,2,3-Trichlorobenzene	14.86	180	33482	9.71	ppb	98

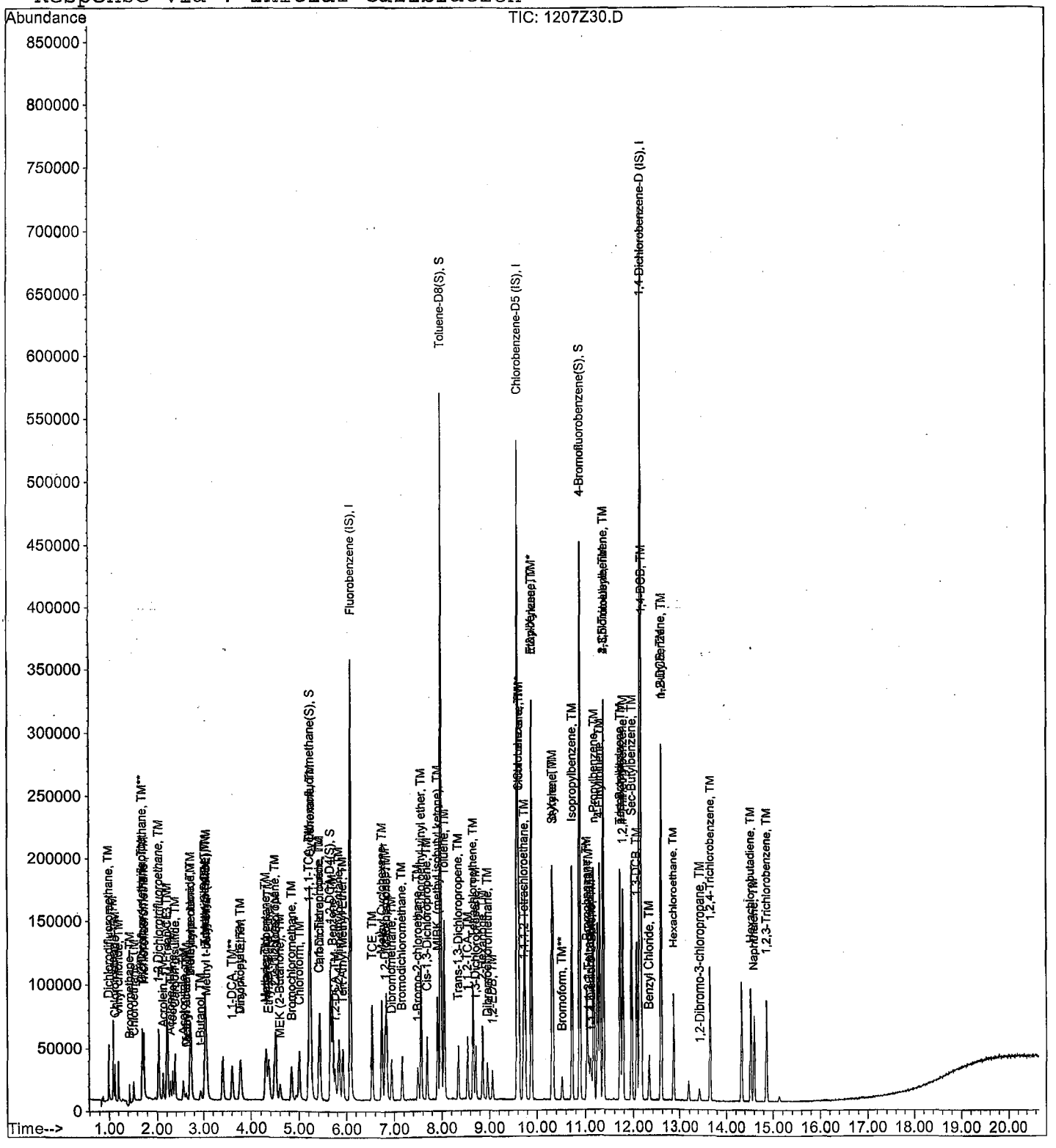
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\ZEUS\DATA\211206\1207Z30.D Vial: 30
Acq On : 08 Dec 21 02:43 Operator: MH
Sample : Ending CCV 10ug/L 12/7/21 Inst : Zeus
Misc : Multiplr: 1.00

Quant Time: Dec 8 8:40 2021 Quant Results File: Z120621W.RE

Method : M:\ZEUS\DATA\211206\Z120621W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Dec 07 09:28:24 2021
Response via : Initial Calibration



ORGANICS
Raw Data

Quantitation Report (QT Reviewed)

Data File : M:\ZEUS\DATA\211206\1207Z09.D Vial: 9
Acq On : 07 Dec 21 18:19 Operator: MH
Sample : BA46970W02 Inst : Zeus
Misc : Multiplr: 1.00

Quant Time: Dec 8 10:15 2021 Quant Results File: Z120621W.RE

Quant Method : M:\ZEUS\DATA\211206\Z120621W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Dec 07 09:28:24 2021
Response via : Initial Calibration
DataAcq Meth : 082421_Z8260.M

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.09	96	376893	25.00	ppb	0.00
68) Chlorobenzene-D5 (IS)	9.58	117	348788	25.00	ppb	0.00
83) 1,4-Dichlorobenzene-D (IS)	12.14	152	121008	25.00	ppb	0.00
System Monitoring Compounds						
43) Dibromofluoromethane(S)	5.23	111	96393	27.04	ppb	0.00
Spiked Amount 25.000			Recovery = 108.164%			
48) 1,2-DCA-D4(S)	5.66	65	80624	28.61	ppb	0.00
Spiked Amount 25.000			Recovery = 114.432%			
69) Toluene-D8(S)	7.98	98	426634	25.34	ppb	0.00
Spiked Amount 25.000			Recovery = 101.340%			
77) 4-Bromofluorobenzene(S)	10.88	95	175476	25.40	ppb	0.00
Spiked Amount 25.000			Recovery = 101.620%			

Target Compounds Qvalue

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

Quantitation Report

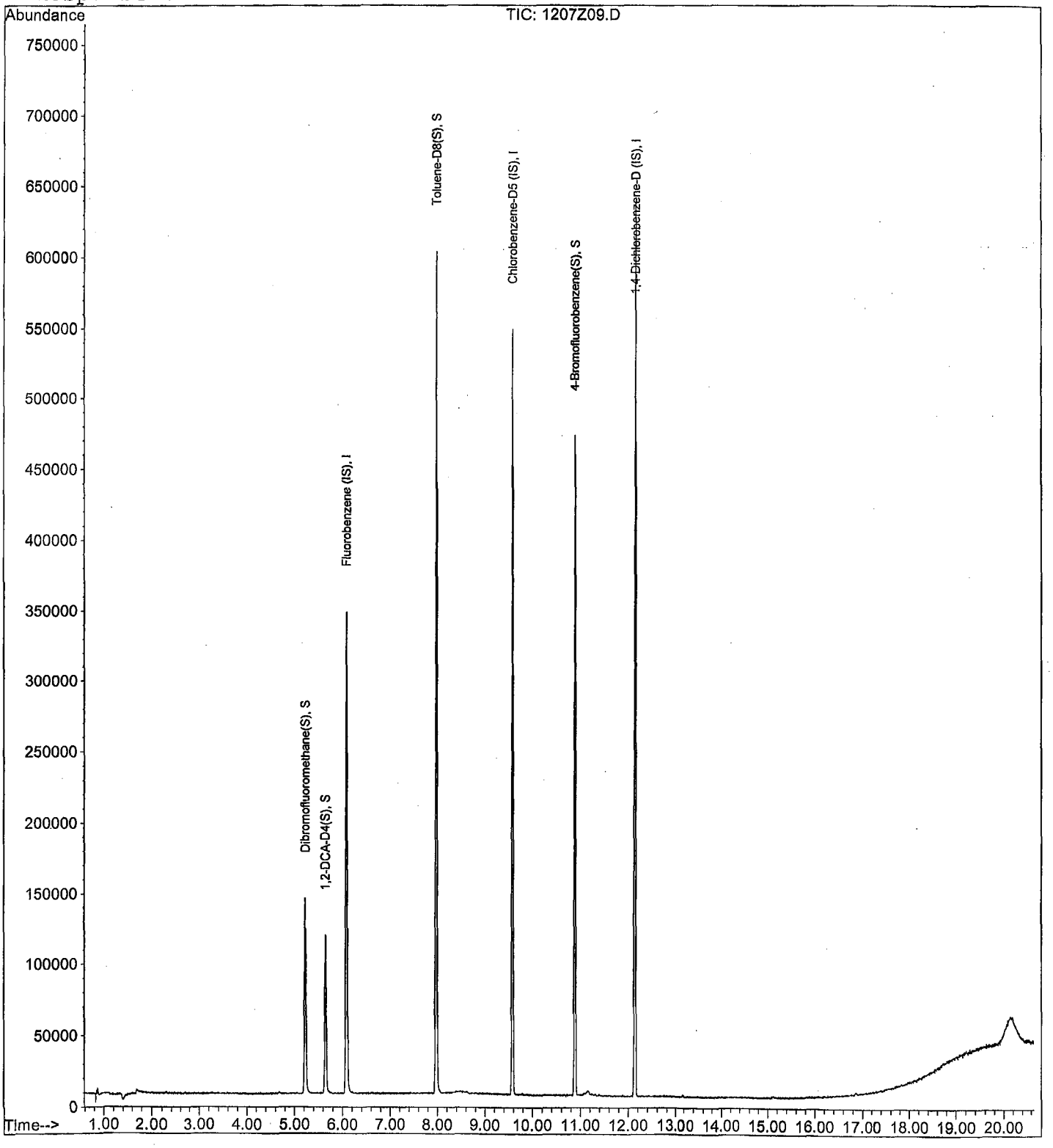
Data File : M:\ZEUS\DATA\211206\1207Z09.D
Acq On : 07 Dec 21 18:19
Sample : BA46970W02
Misc :

Vial: 9
Operator: MH
Inst : Zeus
Multiplr: 1.00

Quant Time: Dec 8 10:15 2021

Quant Results File: Z120621W.RE

Method : M:\ZEUS\DATA\211206\Z120621W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Dec 07 09:28:24 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\ZEUS\DATA\211206\1207Z10.D Vial: 10
Acq On : 07 Dec 21 18:43 Operator: MH
Sample : BA46971W02 Inst : Zeus
Misc : Multiplr: 1.00

Quant Time: Dec 8 10:15 2021 Quant Results File: Z120621W.RE

Quant Method : M:\ZEUS\DATA\211206\Z120621W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Dec 07 09:28:24 2021
Response via : Initial Calibration
DataAcq Meth : 082421_Z8260.M

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.09	96	376406	25.00	ppb	0.00
68) Chlorobenzene-D5 (IS)	9.58	117	346739	25.00	ppb	0.00
83) 1,4-Dichlorobenzene-D (IS)	12.14	152	116280	25.00	ppb	0.00
System Monitoring Compounds						
43) Dibromofluoromethane(S)	5.23	111	94689	26.61	ppb	0.00
Spiked Amount 25.000			Recovery =	106.428%		
48) 1,2-DCA-D4(S)	5.65	65	80166	28.48	ppb	0.00
Spiked Amount 25.000			Recovery =	113.928%		
69) Toluene-D8(S)	7.98	98	415224	24.84	ppb	0.00
Spiked Amount 25.000			Recovery =	99.348%		
77) 4-Bromofluorobenzene(S)	10.88	95	172496	25.14	ppb	0.00
Spiked Amount 25.000			Recovery =	100.564%		

Target Compounds Qvalue

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

Quantitation Report

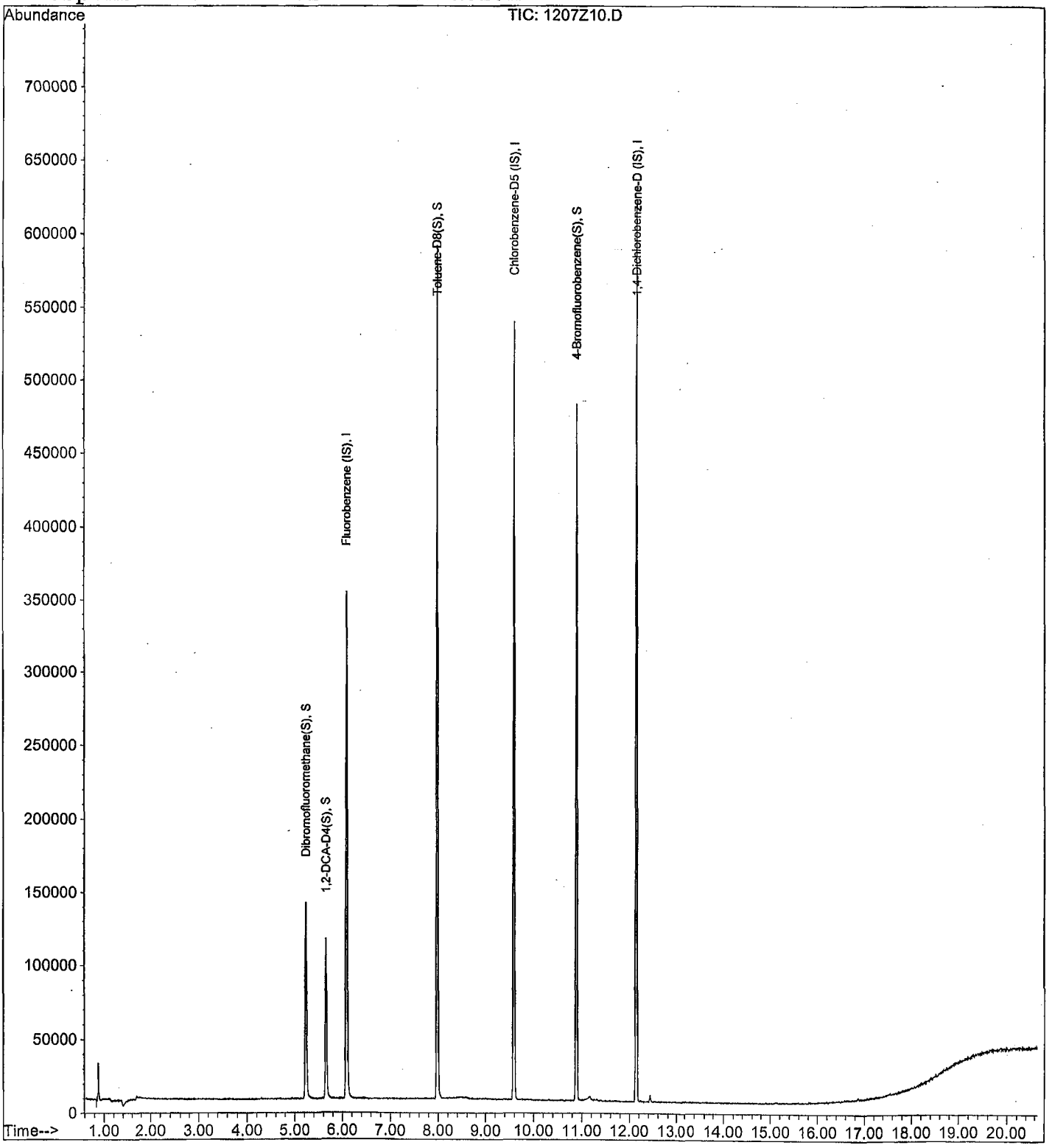
Data File : M:\ZEUS\DATA\211206\1207Z10.D
Acq On : 07 Dec 21 18:43
Sample : BA46971W02
Misc :

Vial: 10
Operator: MH
Inst : Zeus
Multiplr: 1.00

Quant Time: Dec 8 10:15 2021

Quant Results File: Z120621W.RE

Method : M:\ZEUS\DATA\211206\Z120621W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Dec 07 09:28:24 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\ZEUS\DATA\211206\1207Z11.D Vial: 11
Acq On : 07 Dec 21 19:07 Operator: MH
Sample : BA46972W03 Inst : Zeus
Misc : Multiplr: 1.00

Quant Time: Dec 8 10:16 2021 Quant Results File: Z120621W.RE

Quant Method : M:\ZEUS\DATA\211206\Z120621W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Dec 07 09:28:24 2021
Response via : Initial Calibration
DataAcq Meth : 082421_Z8260.M

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.09	96	357512	25.00	ppb	0.00
68) Chlorobenzene-D5 (IS)	9.58	117	332531	25.00	ppb	0.00
83) 1,4-Dichlorobenzene-D (IS)	12.14	152	112552	25.00	ppb	0.00
System Monitoring Compounds						
43) Dibromofluoromethane(S)	5.23	111	91152	26.96	ppb	0.00
Spiked Amount 25.000			Recovery = 107.836%			
48) 1,2-DCA-D4(S)	5.66	65	76728	28.70	ppb	0.00
Spiked Amount 25.000			Recovery = 114.804%			
69) Toluene-D8(S)	7.98	98	400097	24.95	ppb	0.00
Spiked Amount 25.000			Recovery = 99.788%			
77) 4-Bromofluorobenzene(S)	10.89	95	164897	25.07	ppb	0.00
Spiked Amount 25.000			Recovery = 100.264%			

Target Compounds Qvalue

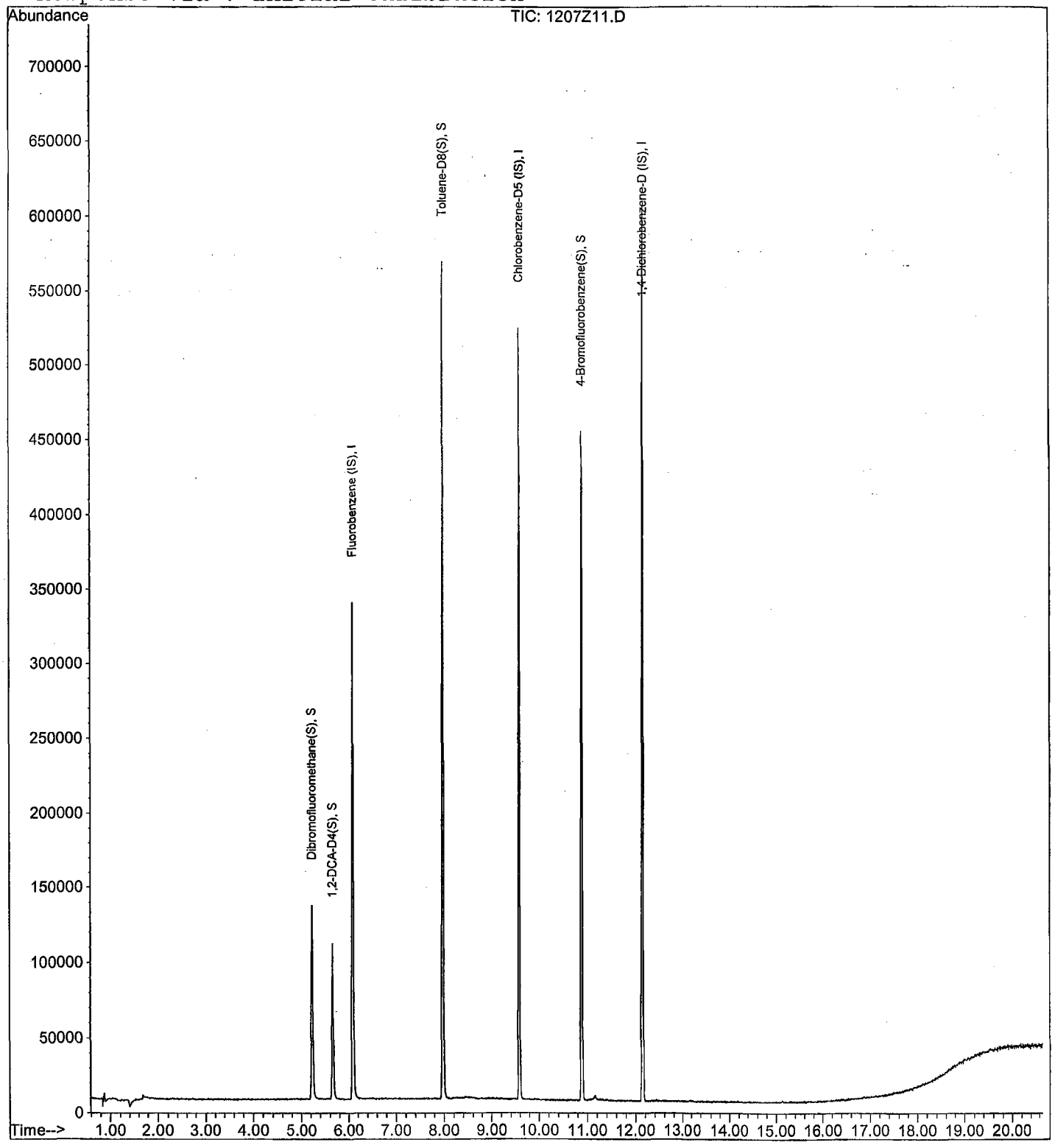
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\ZEUS\DATA\211206\1207Z11.D Vial: 11
Acq On : 07 Dec 21 19:07 Operator: MH
Sample : BA46972W03 Inst : Zeus
Misc : Multiplr: 1.00

Quant Time: Dec 8 10:16 2021 Quant Results File: Z120621W.RE

Method : M:\ZEUS\DATA\211206\Z120621W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Dec 07 09:28:24 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\ZEUS\DATA\211206\1207Z12.D Vial: 12
Acq On : 07 Dec 21 19:31 Operator: MH
Sample : BA46973W02 Inst : Zeus
Misc : Multiplr: 1.00

Quant Time: Dec 8 10:17 2021 Quant Results File: Z120621W.RES

Quant Method : M:\ZEUS\DATA\211206\Z120621W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Dec 07 09:28:24 2021
Response via : Initial Calibration
DataAcq Meth : 082421_Z8260.M

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.09	96	350147	25.00	ppb	0.00
68) Chlorobenzene-D5 (IS)	9.58	117	326825	25.00	ppb	0.00
83) 1,4-Dichlorobenzene-D (IS)	12.14	152	110264	25.00	ppb	0.00
System Monitoring Compounds						
43) Dibromofluoromethane(S)	5.23	111	90712	27.38	ppb	0.00
Spiked Amount 25.000			Recovery = 109.532%			
48) 1,2-DCA-D4(S)	5.66	65	75133	28.70	ppb	0.00
Spiked Amount 25.000			Recovery = 114.784%			
69) Toluene-D8(S)	7.98	98	393628	24.97	ppb	0.00
Spiked Amount 25.000			Recovery = 99.884%			
77) 4-Bromofluorobenzene(S)	10.89	95	162483	25.13	ppb	0.00
Spiked Amount 25.000			Recovery = 100.500%			
Target Compounds						Qvalue

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

Quantitation Report

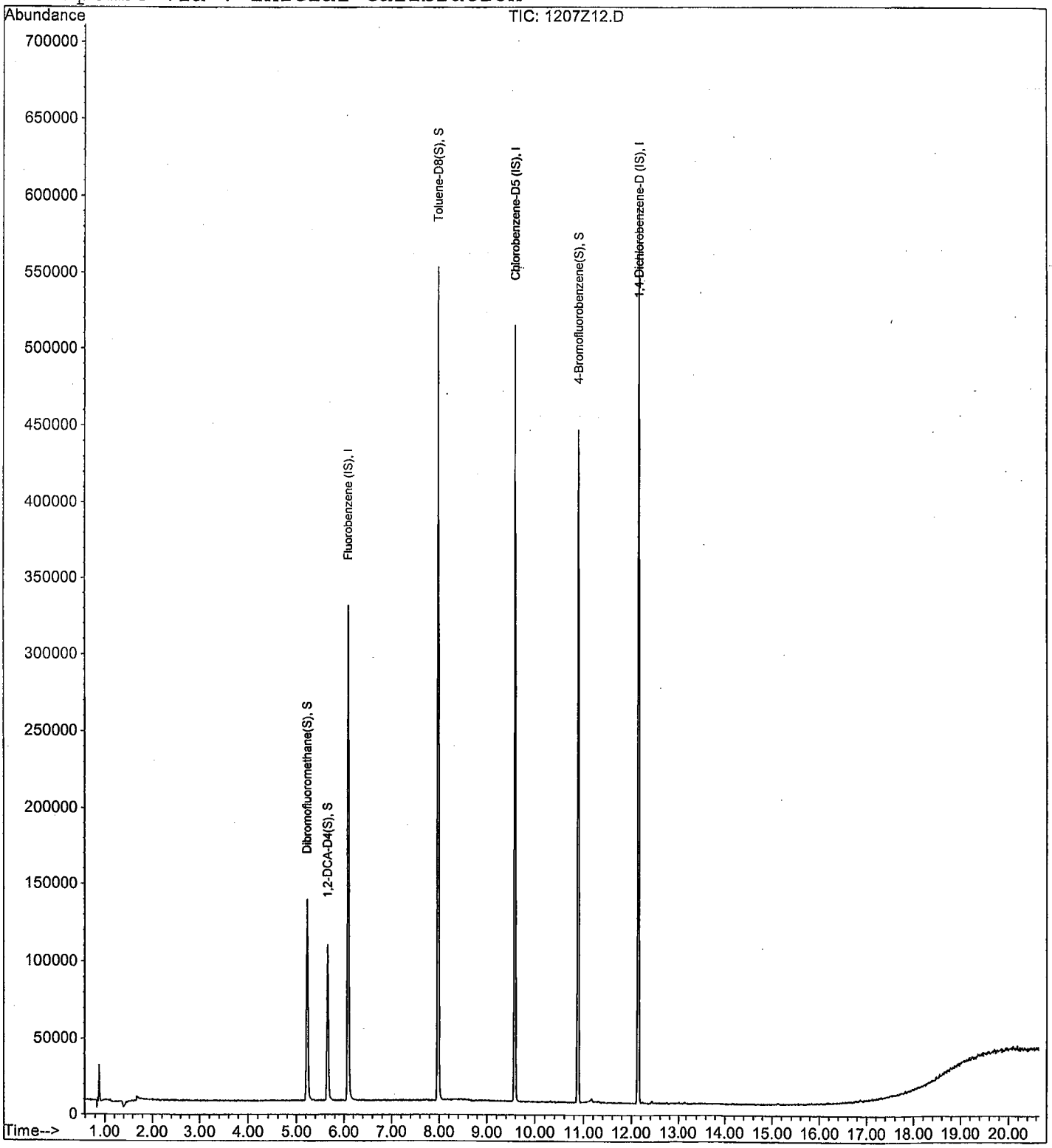
Data File : M:\ZEUS\DATA\211206\1207Z12.D
Acq On : 07 Dec 21 19:31
Sample : BA46973W02
Misc :

Vial: 12
Operator: MH
Inst : Zeus
Multiplr: 1.00

Quant Time: Dec 8 10:17 2021

Quant Results File: Z120621W.RE

Method : M:\ZEUS\DATA\211206\Z120621W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Dec 07 09:28:24 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\ZEUS\DATA\211206\1207Z13.D Vial: 13
Acq On : 07 Dec 21 19:55 Operator: MH
Sample : BA46974W02 Inst : Zeus
Misc : Multiplr: 1.00

Quant Time: Dec 8 10:18 2021 Quant Results File: Z120621W.RE

Quant Method : M:\ZEUS\DATA\211206\Z120621W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Dec 07 09:28:24 2021
Response via : Initial Calibration
DataAcq Meth : 082421_Z8260.M

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.09	96	343241	25.00	ppb	0.00
68) Chlorobenzene-D5 (IS)	9.58	117	321223	25.00	ppb	0.00
83) 1,4-Dichlorobenzene-D (IS)	12.14	152	110272	25.00	ppb	0.00
System Monitoring Compounds						
43) Dibromofluoromethane(S)	5.23	111	89717	27.62	ppb	0.00
Spiked Amount 25.000			Recovery = 110.488%			
48) 1,2-DCA-D4(S)	5.65	65	74370	28.98	ppb	0.00
Spiked Amount 25.000			Recovery = 115.904%			
69) Toluene-D8(S)	7.98	98	391484	25.25	ppb	0.00
Spiked Amount 25.000			Recovery = 100.996%			
77) 4-Bromofluorobenzene(S)	10.88	95	161904	25.45	ppb	0.00
Spiked Amount 25.000			Recovery = 101.792%			
Target Compounds						Qvalue

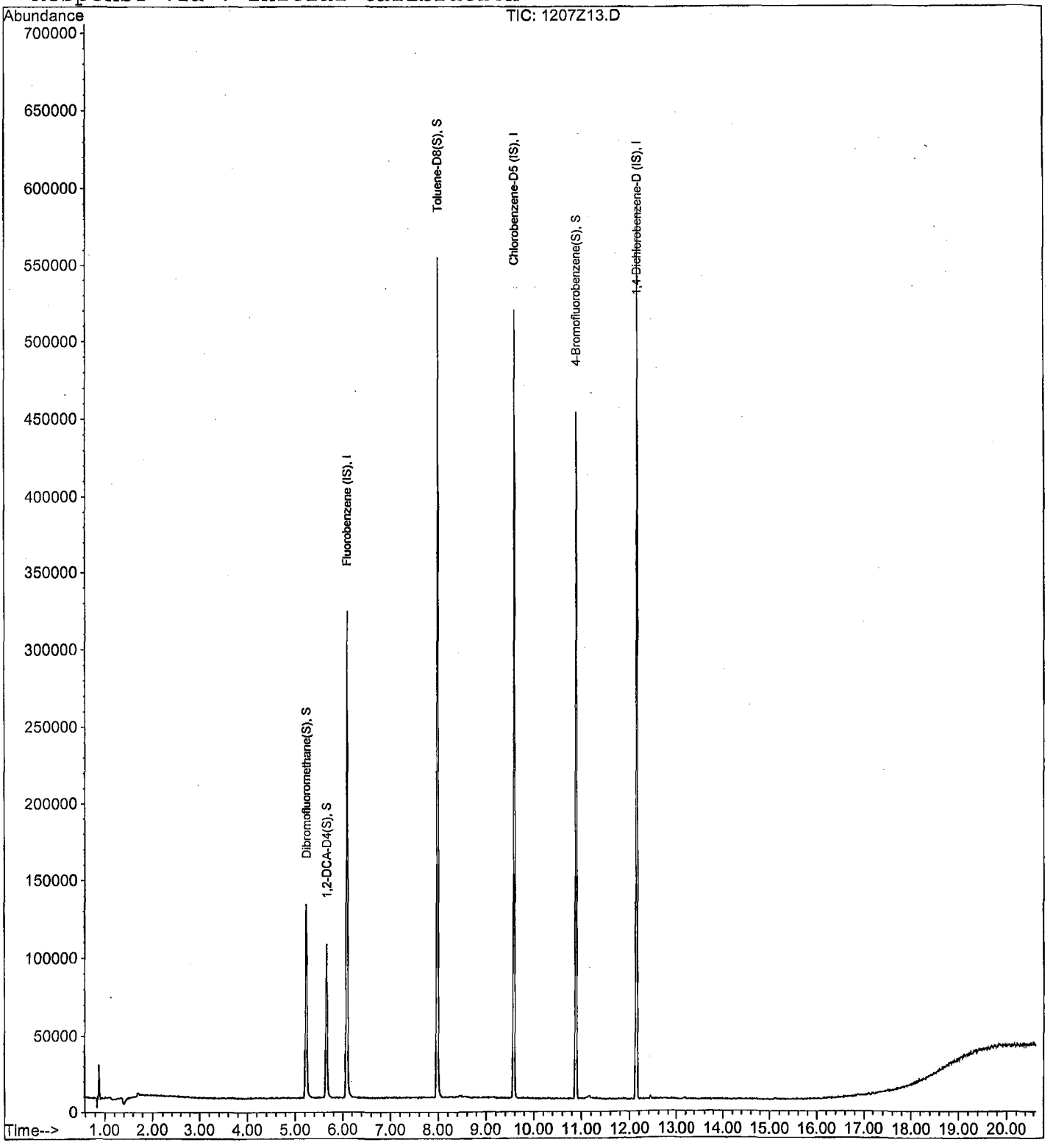
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\ZEUS\DATA\211206\1207Z13.D Vial: 13
Acq On : 07 Dec 21 19:55 Operator: MH
Sample : BA46974W02 Inst : Zeus
Misc : Multiplr: 1.00

Quant Time: Dec 8 10:18 2021 Quant Results File: Z120621W.RE

Method : M:\ZEUS\DATA\211206\Z120621W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Dec 07 09:28:24 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\ZEUS\DATA\211206\1207Z08.D Vial: 8
Acq On : 07 Dec 21 17:55 Operator: MH
Sample : 211207A BLK Inst : Zeus
Misc : Multiplr: 1.00

Quant Time: Dec 8 10:12 2021 Quant Results File: Z120621W.RE

Quant Method : M:\ZEUS\DATA\211206\Z120621W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Dec 07 09:28:24 2021
Response via : Initial Calibration
DataAcq Meth : 082421_Z8260.M

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.09	96	384177	25.00	ppb	0.00
68) Chlorobenzene-D5 (IS)	9.58	117	351591	25.00	ppb	0.00
83) 1,4-Dichlorobenzene-D (IS)	12.14	152	118712	25.00	ppb	0.00
System Monitoring Compounds						
43) Dibromofluoromethane(S)	5.23	111	95522	26.31	ppb	0.00
Spiked Amount 25.000			Recovery =	105.224%		
48) 1,2-DCA-D4(S)	5.65	65	80692	28.09	ppb	0.00
Spiked Amount 25.000			Recovery =	112.356%		
69) Toluene-D8(S)	7.98	98	424721	25.04	ppb	0.00
Spiked Amount 25.000			Recovery =	100.164%		
77) 4-Bromofluorobenzene(S)	10.88	95	176479	25.35	ppb	0.00
Spiked Amount 25.000			Recovery =	101.400%		

Target Compounds Qvalue

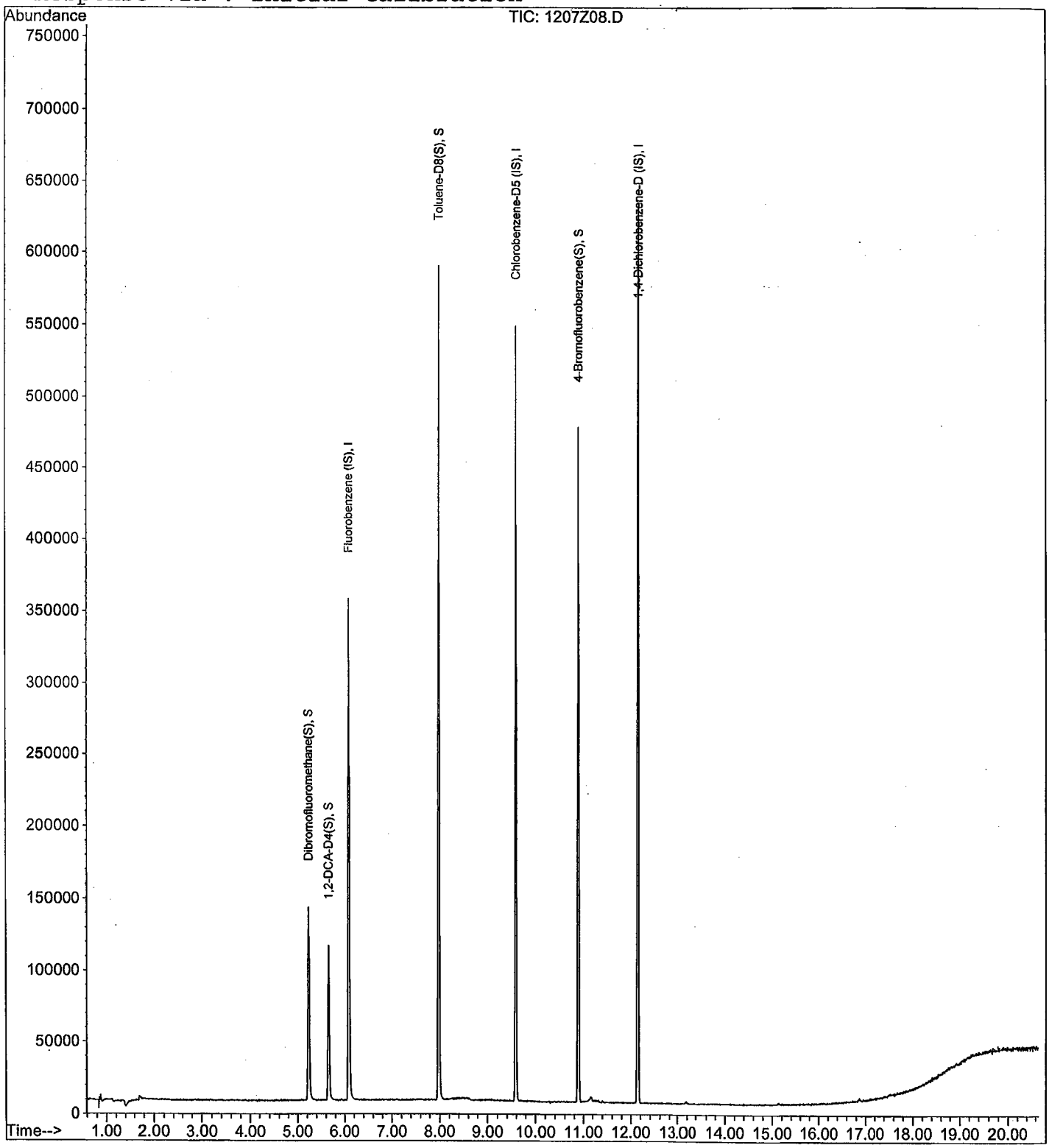
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\ZEUS\DATA\211206\1207Z08.D Vial: 8
Acq On : 07 Dec 21 17:55 Operator: MH
Sample : 211207A BLK Inst : Zeus
Misc : Multiplr: 1.00

Quant Time: Dec 8 10:12 2021 Quant Results File: Z120621W.RE

Method : M:\ZEUS\DATA\211206\Z120621W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Dec 07 09:28:24 2021
Response via : Initial Calibration



1207Z08.D Z120621W.M Wed Dec 08 10:13:09 2021 Page 2

Quantitation Report (Not Reviewed)

Data File : M:\ZEUS\DATA\211206\1207Z03.D Vial: 3
Acq On : 07 Dec 21 15:54 Operator: MH
Sample : 211207A LCS 10ug/L Inst : Zeus
Misc : Multiplr: 1.00

Quant Time: Dec 8 8:39 2021 Quant Results File: Z120621W.RE

Quant Method : M:\ZEUS\DATA\211206\Z120621W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Dec 07 09:28:24 2021
Response via : Initial Calibration
DataAcq Meth : 082421_Z8260.M

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene (IS)	6.09	96	424705	25.00	ppb		0.00
68) Chlorobenzene-D5 (IS)	9.58	117	368999	25.00	ppb		0.00
83) 1,4-Dichlorobenzene-D (IS)	12.14	152	123640	25.00	ppb		0.00
System Monitoring Compounds							
43) Dibromofluoromethane(S)	5.23	111	99579	24.84	ppb		0.00
Spiked Amount 25.000			Recovery = 99.364%				
48) 1,2-DCA-D4(S)	5.65	65	86795	27.33	ppb		0.00
Spiked Amount 25.000			Recovery = 109.320%				
69) Toluene-D8(S)	7.98	98	455151	25.54	ppb		0.00
Spiked Amount 25.000			Recovery = 102.140%				
77) 4-Bromofluorobenzene(S)	10.89	95	187665	25.66	ppb		0.00
Spiked Amount 25.000			Recovery = 102.648%				
Target Compounds							Qvalue
3) Dichlorodifluoromethane	1.00	85	21976	9.15	ppb		99
4) Freon 114	1.09	85	17824	10.47	ppb		97
5) Chloromethane	1.13	50	15740	9.38	ppb		99
6) Vinyl chloride	1.21	62	17673	8.60	ppb		97
9) Bromomethane	1.45	94	6047	10.38	ppb		93
10) Chloroethane	1.53	66	2444	7.91	ppb		91
11) Dichlorofluoromethane	1.71	67	36308	9.29	ppb		100
12) Trichlorofluoromethane	1.74	101	34825	9.52	ppb		99
14) Diethyl ether	2.64	74	2659	10.39	ppb		98
15) 1,2 Dichlorotrifluoroethan	2.04	67	25930	6.19	ppb		97
16) Acrolein	2.13	55	14295	128.50	ppb		92
17) Acetone	2.29	43	17643	56.44	ppb		97
18) Freon-113	2.22	101	10692	9.63	ppb		98
19) 1,1-DCE	2.20	61	25978	9.23	ppb		96
21) Acetonitrile	2.57	40	5221	138.11	ppb		97
22) t-Butanol	2.94	59	5463	133.96	ppb		98
23) Methyl Acetate	2.64	43	7797	10.00	ppb		98
24) Iodomethane	2.34	142	12926	8.68	ppb		97
25) Acrylonitrile	3.04	52	4068	9.75	ppb		97
26) Methylene chloride	2.72	49	19984	10.28	ppb		96
27) Carbon disulfide	2.39	76	30312	9.43	ppb		97
28) Methyl t-butyl ether (MtBE	3.07	73	43246	10.14	ppb		97
29) Trans-1,2-DCE	3.04	61	26185	9.30	ppb		93
30) Hexane	4.31	56	44021	10.25	ppb	#	99
31) Diisopropyl Ether	3.79	45	39200	10.16	ppb		99
32) 2,2-Dichloro-1,1,1-trifluo	1.71	83	2078	9.97	ppb		95
33) 1,1-DCA	3.61	63	34846	9.53	ppb		98

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

Quantitation Report (Not Reviewed)

Data File : M:\ZEUS\DATA\211206\1207Z03.D Vial: 3
Acq On : 07 Dec 21 15:54 Operator: MH
Sample : 211207A LCS 10ug/L Inst : Zeus
Misc : Multiplr: 1.00

Quant Time: Dec 8 8:39 2021 Quant Results File: Z120621W.RE

Quant Method : M:\ZEUS\DATA\211206\Z120621W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Dec 07 09:28:24 2021
Response via : Initial Calibration
DataAcq Meth : 082421_Z8260.M

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
34)	Vinyl Acetate	3.78	43	30984	10.11	ppb	#	93
35)	Ethyl tert Butyl Ether	4.37	59	43297	10.21	ppb		98
36)	MEK (2-Butanone)	4.61	72	8870	54.29	ppb		88
37)	Cis-1,2-DCE	4.52	61	31004	9.65	ppb		98
38)	2,2-Dichloropropane	4.50	77	33377	10.08	ppb		98
39)	2-Methylpentane	2.74	42	15788	10.19	ppb		98
40)	3-Methylpentane	3.04	57	40718	10.04	ppb		95
41)	Chloroform	5.01	83	38958	9.61	ppb		99
42)	Bromochloromethane	4.85	49	12636	9.81	ppb		93
44)	1,1,1-TCA	5.20	97	36406	10.09	ppb		95
45)	Cyclohexane	5.25	56	33874	10.04	ppb		94
46)	1,1-Dichloropropene	5.44	75	29974	10.01	ppb		94
47)	2,2,4-Trimethylpentane	5.84	57	67034	9.83	ppb		99
49)	Carbon Tetrachloride	5.42	117	31381	10.13	ppb		100
50)	Tert Amyl Methyl Ether	5.92	73	46539	9.78	ppb		99
51)	Methylcyclopentane	4.31	56	44021	10.25	ppb		97
52)	1,2-DCA	5.76	62	22578	9.68	ppb		94
53)	Benzene	5.70	78	95557	9.49	ppb		98
54)	TCE	6.55	130	30163	9.73	ppb		98
55)	2-Pentanone	6.84	43	98794	133.97	ppb		99
56)	1,2-Dichloropropane	6.81	63	22295	10.11	ppb		100
57)	Bromodichloromethane	7.17	83	26321	9.86	ppb		96
58)	Methyl Cyclohexane	6.74	83	42237	9.82	ppb		98
59)	Dibromomethane	6.95	174	15739	9.58	ppb		98
60)	MIBK (methyl isobutyl ket	7.91	43	63136	55.71	ppb		98
61)	1-Bromo-2-chloroethane	7.50	144	3690	9.70	ppb		92
62)	2-Chloroethyl vinyl ether	7.57	43	31947	51.55	ppb		92
63)	Cis-1,3-Dichloropropene	7.70	75	34851	10.00	ppb		98
64)	Toluene	8.06	91	115163	9.36	ppb		99
65)	Trans-1,3-Dichloropropene	8.35	75	28996	10.02	ppb		99
66)	1,1,2-TCA	8.54	97	19410	9.80	ppb		97
67)	2-Hexanone	8.86	58	28830	57.03	ppb		99
70)	1,2-EDB	9.06	107	17918	9.38	ppb	#	100
71)	Tetrachloroethene	8.66	166	33369	9.84	ppb		96
72)	1-Chlorohexane	9.62	91	40237	10.19	ppb		97
73)	1,1,1,2-Tetrachloroethane	9.72	131	22776	9.25	ppb		99
74)	m&p-Xylene	9.88	91	207994	20.07	ppb		99
75)	o-Xylene	10.31	91	102754	9.77	ppb		99
76)	Styrene	10.33	104	72773	9.30	ppb		98
78)	1,3-Dichloropropane	8.72	76	32803	10.22	ppb		100
79)	Dibromochloromethane	8.96	129	19137	9.19	ppb		93
80)	Chlorobenzene	9.62	112	78709	9.58	ppb		96

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

Data File : M:\ZEUS\DATA\211206\1207Z03.D Vial: 3
Acq On : 07 Dec 21 15:54 Operator: MH
Sample : 211207A LCS 10ug/L Inst : Zeus
Misc : Multiplr: 1.00

Quant Time: Dec 8 8:39 2021 Quant Results File: Z120621W.RE

Quant Method : M:\ZEUS\DATA\211206\Z120621W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Dec 07 09:28:24 2021
Response via : Initial Calibration
DataAcq Meth : 082421_Z8260.M

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
81)	Ethylbenzene	9.88	91	207994	10.03	ppb	99
82)	Bromoform	10.53	173	10674	8.55	ppb	93
84)	Isopropylbenzene	10.73	105	141254	10.43	ppb	100
85)	1,1,2,2-Tetrachloroethane	11.07	83	20681	9.77	ppb	97
86)	1,2,3-Trichloropropane	11.10	110	7581	10.32	ppb	98
87)	t-1,4-Dichloro-2-Butene	11.13	53	5067	9.83	ppb	92
88)	Bromobenzene	11.03	77	45326	10.02	ppb	96
89)	n-Propylbenzene	11.18	91	164970	10.26	ppb	99
90)	4-Ethyltoluene	11.30	105	140876	10.29	ppb	99
91)	2-Chlorotoluene	11.38	91	106915	10.16	ppb	99
92)	1,3,5-Trimethylbenzene	11.37	105	115153	10.42	ppb	99
93)	4-Chlorotoluene	11.38	91	106915	10.10	ppb	99
94)	Tert-Butylbenzene	11.72	119	108760	10.31	ppb	97
95)	1,2,4-Trimethylbenzene	11.78	105	110494	10.53	ppb	94
96)	Sec-Butylbenzene	11.96	105	155630	10.40	ppb	100
97)	p-Isopropyltoluene	11.72	119	108760	10.31	ppb	97
98)	Benzyl Chloride	12.33	91	45290	9.64	ppb	98
99)	1,3-DCB	12.07	146	65531	9.84	ppb	98
100)	1,4-DCB	12.17	146	66852	9.78	ppb	98
101)	n-Butylbenzene	12.57	91	115498	10.77	ppb	97
102)	1,2-DCB	12.58	146	59720	9.95	ppb	96
103)	Hexachloroethane	12.85	201	16340	8.93	ppb	93
104)	1,2-Dibromo-3-chloropropan	13.43	157	4028	9.57	ppb	89
105)	1,2,4-Trichlorobenzene	13.65	180	46837	9.99	ppb	98
106)	Hexachlorobutadiene	14.52	225	22493	9.83	ppb	95
107)	Naphthalene	14.60	128	79904	10.31	ppb	99
108)	1,2,3-Trichlorobenzene	14.86	180	35763	9.84	ppb	99

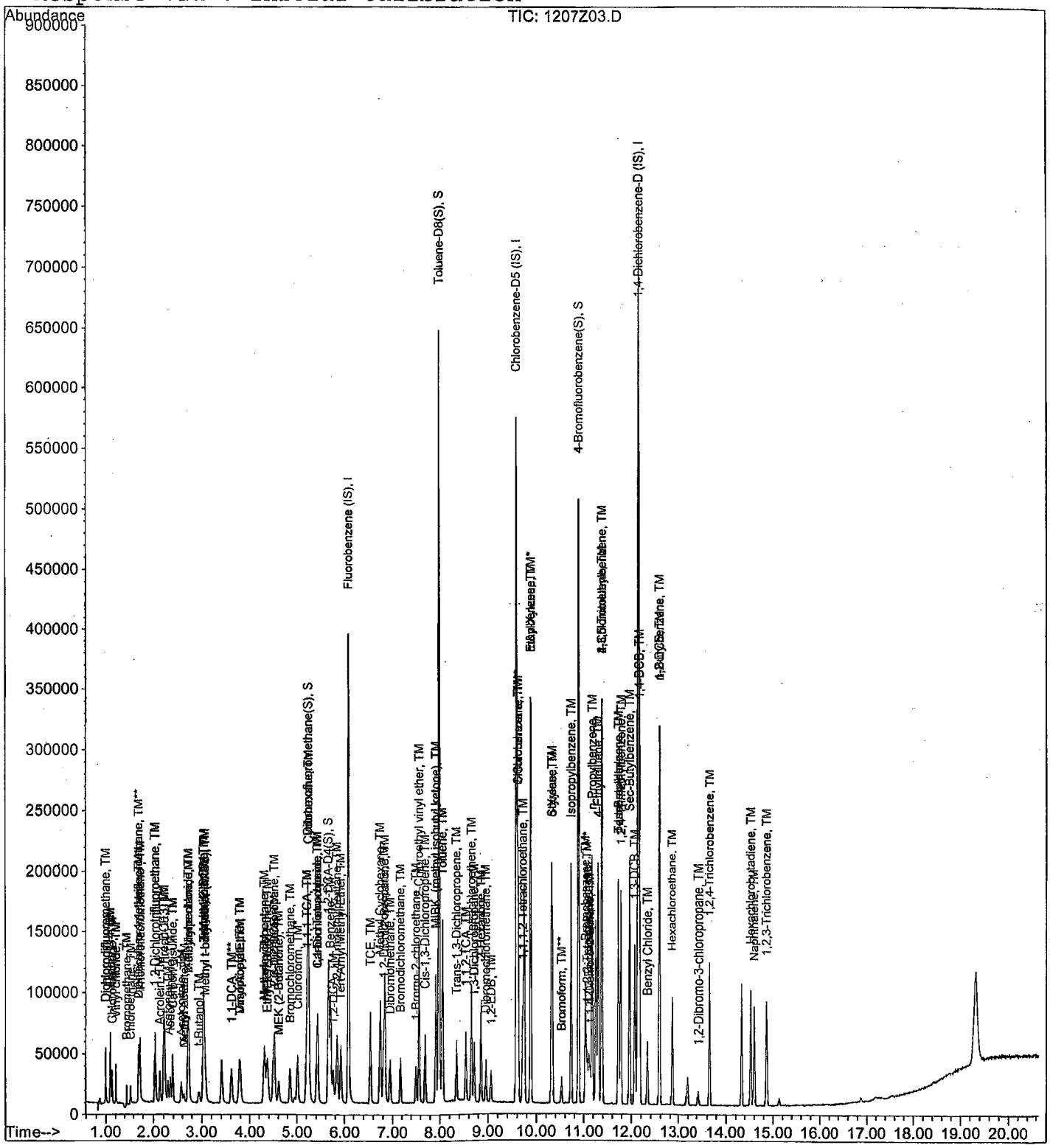
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\ZEUS\DATA\211206\1207Z03.D Vial: 3
Acq On : 07 Dec 21 15:54 Operator: MH
Sample : 211207A LCS 10ug/L Inst : Zeus
Misc : Multiplr: 1.00

Quant Time: Dec 8 8:39 2021 Quant Results File: Z120621W.RE

Method : M:\ZEUS\DATA\211206\Z120621W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Dec 07 09:28:24 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\ZEUS\DATA\211206\1207Z04.D Vial: 4
Acq On : 07 Dec 21 16:19 Operator: MH
Sample : 211207A LCSD 10ug/L Inst : Zeus
Misc : Multiplr: 1.00

Quant Time: Dec 8 8:39 2021 Quant Results File: Z120621W.RE

Quant Method : M:\ZEUS\DATA\211206\Z120621W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Dec 07 09:28:24 2021
Response via : Initial Calibration
DataAcq Meth : 082421_Z8260.M

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene (IS)	6.09	96	421428	25.00	ppb		0.00
68) Chlorobenzene-D5 (IS)	9.58	117	365775	25.00	ppb		0.00
83) 1,4-Dichlorobenzene-D (IS)	12.14	152	121584	25.00	ppb		0.00
System Monitoring Compounds							
43) Dibromofluoromethane(S)	5.23	111	98476	24.76	ppb		0.00
Spiked Amount 25.000			Recovery = 99.036%				
48) 1,2-DCA-D4(S)	5.66	65	85919	27.26	ppb		0.00
Spiked Amount 25.000			Recovery = 109.060%				
69) Toluene-D8(S)	7.98	98	450050	25.48	ppb		0.00
Spiked Amount 25.000			Recovery = 101.900%				
77) 4-Bromofluorobenzene(S)	10.88	95	184642	25.48	ppb		0.00
Spiked Amount 25.000			Recovery = 101.936%				
Target Compounds							Qvalue
3) Dichlorodifluoromethane	1.00	85	22541	9.45	ppb		99
4) Freon 114	1.09	85	18776	11.16	ppb		97
5) Chloromethane	1.13	50	16976	10.27	ppb		97
6) Vinyl chloride	1.21	62	17820	8.74	ppb		100
9) Bromomethane	1.45	94	6223	10.86	ppb		85
10) Chloroethane	1.53	66	2579	8.57	ppb		96
11) Dichlorofluoromethane	1.71	67	40413	10.49	ppb		97
12) Trichlorofluoromethane	1.74	101	36245	9.99	ppb		96
14) Diethyl ether	2.64	74	2605	10.27	ppb		94
15) 1,2 Dichlorotrifluoroethan	2.03	67	27435	6.75	ppb		98
16) Acrolein	2.13	55	14622	132.46	ppb		98
17) Acetone	2.29	43	17666	56.95	ppb		93
18) Freon-113	2.22	101	11167	10.14	ppb		95
19) 1,1-DCE	2.20	61	27266	9.77	ppb		98
21) Acetonitrile	2.58	40	5380	157.42	ppb		83
22) t-Butanol	2.94	59	5743	141.92	ppb		92
23) Methyl Acetate	2.64	43	7893	10.20	ppb		92
24) Iodomethane	2.34	142	14094	9.62	ppb		98
25) Acrylonitrile	3.04	52	4304	10.44	ppb		97
26) Methylene chloride	2.72	49	20813	10.85	ppb		96
27) Carbon disulfide	2.39	76	31736	10.02	ppb		99
28) Methyl t-butyl ether (MtBE	3.07	73	44201	10.45	ppb		97
29) Trans-1,2-DCE	3.04	61	26691	9.55	ppb		97
30) Hexane	4.30	56	44262	10.39	ppb	#	100
31) Diisopropyl Ether	3.79	45	40369	10.54	ppb		100
32) 2,2-Dichloro-1,1,1-trifluo	1.71	83	2235	10.93	ppb		91
33) 1,1-DCA	3.61	63	35986	9.91	ppb		99

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

Quantitation Report (Not Reviewed)

Data File : M:\ZEUS\DATA\211206\1207Z04.D Vial: 4
Acq On : 07 Dec 21 16:19 Operator: MH
Sample : 211207A LCSD 10ug/L Inst : Zeus
Misc : Multiplr: 1.00

Quant Time: Dec 8 8:39 2021 Quant Results File: Z120621W.RE

Quant Method : M:\ZEUS\DATA\211206\Z120621W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Dec 07 09:28:24 2021
Response via : Initial Calibration
DataAcq Meth : 082421_Z8260.M

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
34)	Vinyl Acetate	3.77	43	31898	10.49	ppb	#	95
35)	Ethyl tert Butyl Ether	4.37	59	44288	10.53	ppb		95
36)	MEK (2-Butanone)	4.61	72	8934	55.01	ppb		91
37)	Cis-1,2-DCE	4.52	61	31514	9.88	ppb		100
38)	2,2-Dichloropropane	4.50	77	34346	10.45	ppb		95
39)	2-Methylpentane	2.74	42	16636	10.83	ppb		94
40)	3-Methylpentane	3.03	57	41327	10.27	ppb		90
41)	Chloroform	5.01	83	39968	9.93	ppb		95
42)	Bromochloromethane	4.85	49	12835	10.05	ppb		96
44)	1,1,1-TCA	5.20	97	37722	10.54	ppb		97
45)	Cyclohexane	5.25	56	35088	10.48	ppb		98
46)	1,1-Dichloropropene	5.44	75	30631	10.31	ppb		96
47)	2,2,4-Trimethylpentane	5.84	57	69944	10.33	ppb		100
49)	Carbon Tetrachloride	5.42	117	32665	10.63	ppb		95
50)	Tert Amyl Methyl Ether	5.92	73	47912	10.15	ppb		99
51)	Methylcyclopentane	4.30	56	44262	10.39	ppb		98
52)	1,2-DCA	5.76	62	22881	9.89	ppb		99
53)	Benzene	5.70	78	98419	9.85	ppb		98
54)	TCE	6.54	130	31556	10.26	ppb		99
55)	2-Pentanone	6.84	43	100691	137.60	ppb		99
56)	1,2-Dichloropropane	6.81	63	23153	10.58	ppb		98
57)	Bromodichloromethane	7.17	83	27115	10.23	ppb		96
58)	Methyl Cyclohexane	6.74	83	43841	10.27	ppb		98
59)	Dibromomethane	6.95	174	16227	9.97	ppb		99
60)	MIBK (methyl isobutyl ket	7.91	43	63211	56.17	ppb		99
61)	1-Bromo-2-chloroethane	7.51	144	3714	9.84	ppb		94
62)	2-Chloroethyl vinyl ether	7.57	43	32195	52.29	ppb		96
63)	Cis-1,3-Dichloropropene	7.70	75	35768	10.34	ppb		98
64)	Toluene	8.05	91	118389	9.69	ppb		100
65)	Trans-1,3-Dichloropropene	8.34	75	29745	10.36	ppb		95
66)	1,1,2-TCA	8.54	97	19738	10.05	ppb		98
67)	2-Hexanone	8.86	58	28630	57.07	ppb		100
70)	1,2-EDB	9.06	107	18266	9.63	ppb	#	94
71)	Tetrachloroethene	8.65	166	34544	10.28	ppb		99
72)	1-Chlorohexane	9.62	91	41342	10.57	ppb		97
73)	1,1,1,2-Tetrachloroethane	9.72	131	23403	9.57	ppb		97
74)	m&p-Xylene	9.88	91	213028	20.74	ppb		98
75)	o-Xylene	10.31	91	105349	10.10	ppb		96
76)	Styrene	10.33	104	75188	9.68	ppb		97
78)	1,3-Dichloropropane	8.72	76	33557	10.54	ppb		96
79)	Dibromochloromethane	8.96	129	19344	9.35	ppb		100
80)	Chlorobenzene	9.62	112	82300	10.11	ppb		98

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

Quantitation Report (Not Reviewed)

Data File : M:\ZEUS\DATA\211206\1207Z04.D Vial: 4
Acq On : 07 Dec 21 16:19 Operator: MH
Sample : 211207A LCSD 10ug/L Inst : Zeus
Misc : Multiplr: 1.00

Quant Time: Dec 8 8:39 2021 Quant Results File: Z120621W.RE

Quant Method : M:\ZEUS\DATA\211206\Z120621W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Dec 07 09:28:24 2021
Response via : Initial Calibration
DataAcq Meth : 082421_Z8260.M

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
81)	Ethylbenzene	9.88	91	213028	10.36	ppb	98
82)	Bromoform	10.52	173	11147	8.93	ppb	98
84)	Isopropylbenzene	10.73	105	143254	10.76	ppb	100
85)	1,1,2,2-Tetrachloroethane	11.07	83	20637	9.91	ppb	99
86)	1,2,3-Trichloropropane	11.10	110	7289	10.11	ppb	97
87)	t-1,4-Dichloro-2-Butene	11.13	53	5087	10.03	ppb	89
88)	Bromobenzene	11.03	77	46771	10.51	ppb	97
89)	n-Propylbenzene	11.18	91	167910	10.62	ppb	99
90)	4-Ethyltoluene	11.30	105	143404	10.66	ppb	97
91)	2-Chlorotoluene	11.38	91	109632	10.61	ppb	99
92)	1,3,5-Trimethylbenzene	11.37	105	117213	10.79	ppb	99
93)	4-Chlorotoluene	11.38	91	109632	10.53	ppb	99
94)	Tert-Butylbenzene	11.73	119	109896	10.60	ppb	100
95)	1,2,4-Trimethylbenzene	11.78	105	112259	10.88	ppb	96
96)	Sec-Butylbenzene	11.96	105	159686	10.85	ppb	100
97)	p-Isopropyltoluene	11.73	119	109896	10.60	ppb	99
98)	Benzyl Chloride	12.33	91	45143	9.76	ppb	98
99)	1,3-DCB	12.07	146	67346	10.29	ppb	97
100)	1,4-DCB	12.17	146	68002	10.11	ppb	99
101)	n-Butylbenzene	12.57	91	116903	11.08	ppb	97
102)	1,2-DCB	12.57	146	61747	10.46	ppb	98
103)	Hexachloroethane	12.85	201	16499	9.13	ppb	95
104)	1,2-Dibromo-3-chloropropan	13.43	157	3949	9.55	ppb	89
105)	1,2,4-Trichlorobenzene	13.65	180	47774	10.36	ppb	99
106)	Hexachlorobutadiene	14.52	225	22630	10.05	ppb	99
107)	Naphthalene	14.60	128	79010	10.36	ppb	97
108)	1,2,3-Trichlorobenzene	14.86	180	36229	10.13	ppb	98

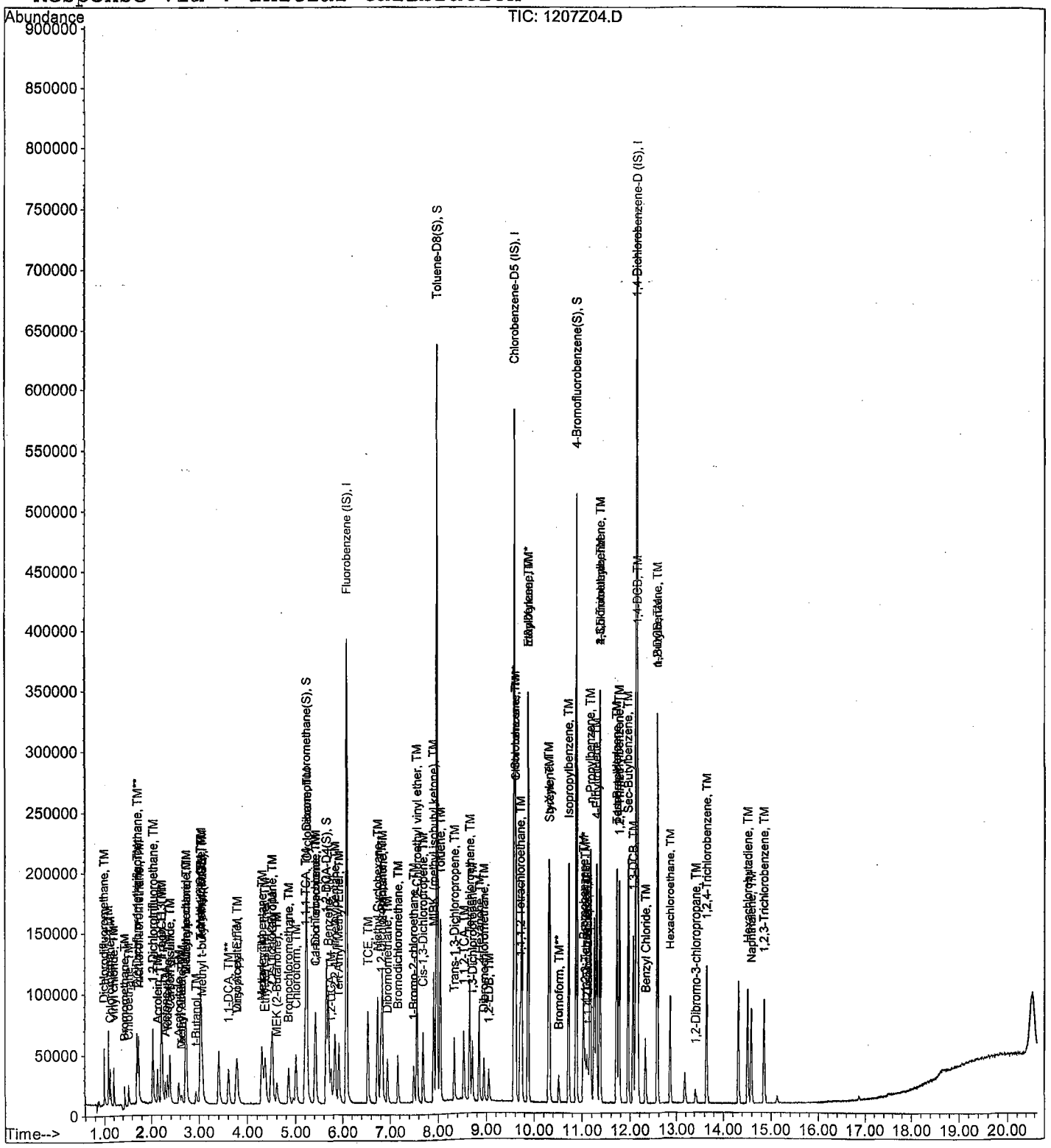
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\ZEUS\DATA\211206\1207Z04.D Vial: 4
Acq On : 07 Dec 21 16:19 Operator: MH
Sample : 211207A LCSD 10ug/L Inst : Zeus
Misc : Multiplr: 1.00

Quant Time: Dec 8 8:39 2021 Quant Results File: Z120621W.RE

Method : M:\ZEUS\DATA\211206\Z120621W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Dec 07 09:28:24 2021
Response via : Initial Calibration

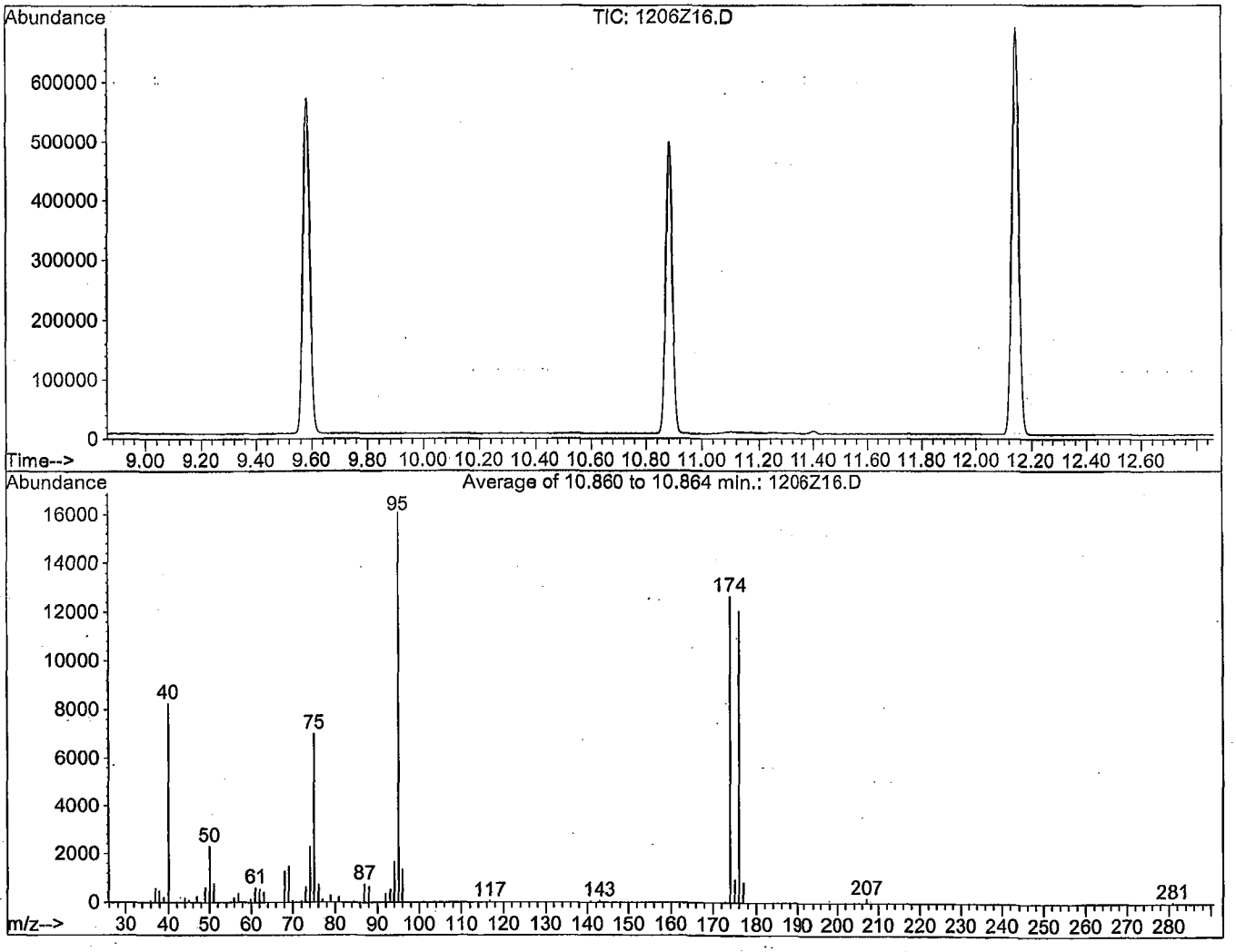


BFB

Data File : M:\ZEUS\DATA\211206\1206Z16.D
Acq On : 06 Dec 21 15:24
Sample : BLK
Misc :

Vial: 1
Operator: MH
Inst : Zeus
Multiplr: 1.00

Method : M:\ZEUS\DATA\211206\Z120621W.M (RTE Integrator)
Title : METHOD 8260B



Spectrum Information: Average of 10.860 to 10.864 min.

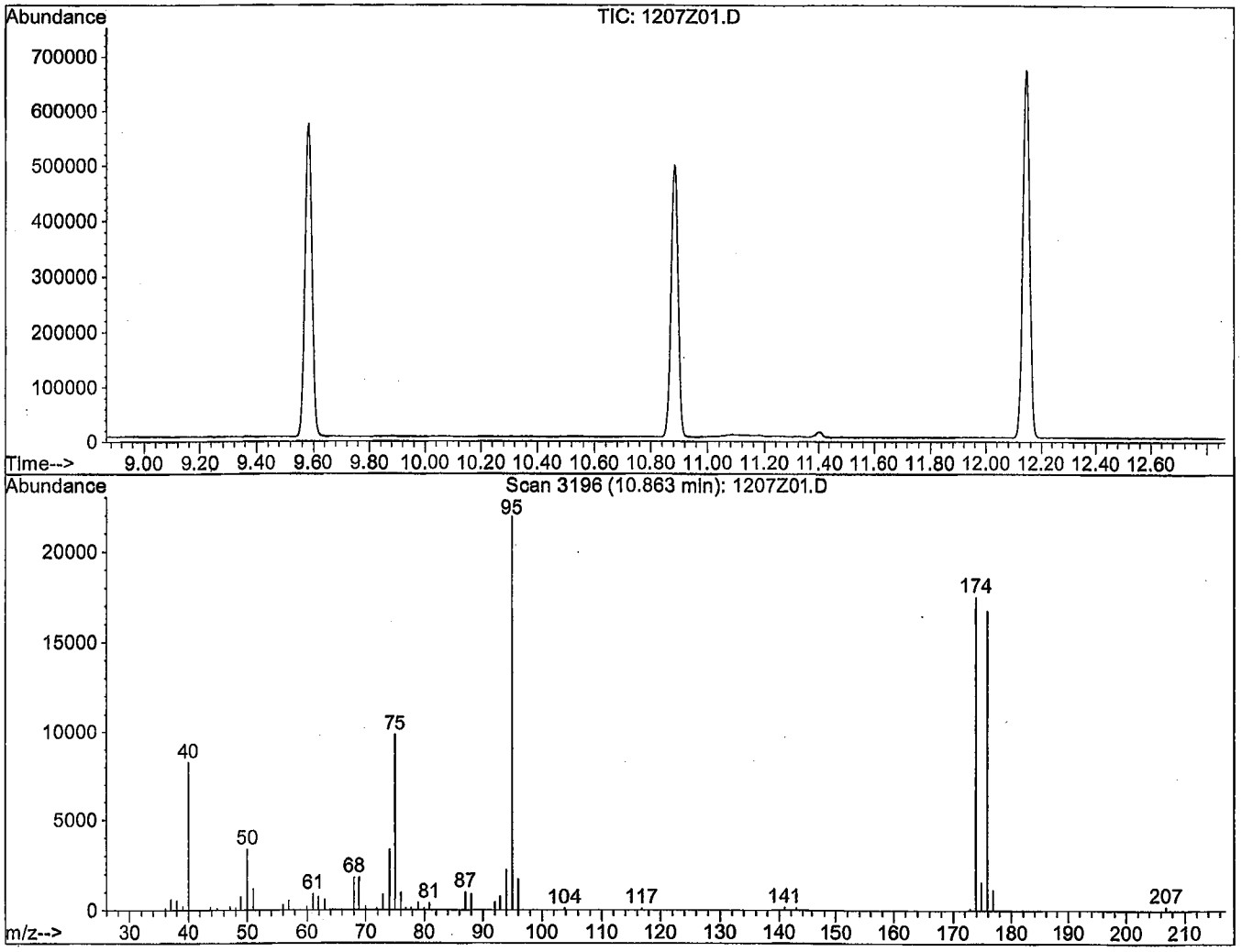
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	14	40	14.4	2314	PASS
75	95	30	60	43.6	7006	PASS
95	95	100	100	100.0	16070	PASS
96	95	5	9	8.4	1348	PASS
173	174	0.00	2	0.5	57	PASS
174	95	50	200	78.7	12653	PASS
175	174	5	10	7.5	946	PASS
176	174	95	101	95.2	12047	PASS
177	176	5	9	6.9	831	PASS

1206Z16.D Z120621W.M Tue Dec 07 10:38:33 2021

Data File : M:\ZEUS\DATA\211206\1207Z01.D
Acq On : 07 Dec 21 15:06
Sample : 25ug/L BFB STD 10/29/21
Misc :

Vial: 1
Operator: MH
Inst : Zeus
Multiplr: 1.00

Method : M:\ZEUS\DATA\211101\Z110121W.M (RTE Integrator)
Title : METHOD 8260B



Spectrum Information: Scan 3196

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	15.4	3387	PASS
75	95	30	60	44.9	9845	PASS
95	95	100	100	100.0	21936	PASS
96	95	5	9	7.9	1722	PASS
173	174	0.00	2	0.6	112	PASS
174	95	50	200	79.9	17528	PASS
175	174	5	9	8.8	1551	PASS
176	174	95	101	95.6	16752	PASS
177	176	5	9	6.8	1136	PASS

1207Z01.D Z110121W.M Wed Dec 08 07:48:55 2021

ZEUS 8260 Standard Prep

ZEUS 8260 Water Calibration Curve

0.3ug/L

Prepared By (Initials): CH

Prepared: 12/6/2021

Expires: 12/15/2021

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 11/29/21	1/28/2022	N/A	3uL	50mL	P&T Water	0.3
VOA STD. 1	Absolute		50	Prepared 11/29/21	1/28/2022	N/A	5uL			5
VOA STD. 2	Phenova		100	Prepared 11/29/21	1/28/2022	N/A	2.5uL			5
VOA STD. TBA	Various		250	Prepared 11/29/21	12/15/2021	N/A	2uL			10

0.5ug/L

Prepared: 12/6/2021

Expires: 12/15/2021

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 11/29/21	1/28/2022	N/A	5uL	50mL	P&T Water	0.5
VOA STD. 1	Absolute		50	Prepared 11/29/21	1/28/2022	N/A	10uL			10
VOA STD. 2	Phenova		100	Prepared 11/29/21	1/28/2022	N/A	5uL			10
VOA STD. TBA	Various		250	Prepared 11/29/21	12/15/2021	N/A	5uL			25

1.0ug/L

Prepared: 12/6/2021

Expires: 12/15/2021

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 11/29/21	1/28/2022	N/A	10uL	50mL	P&T Water	1
VOA STD. 1	Absolute		50	Prepared 11/29/21	1/28/2022	N/A	20uL			20
VOA STD. 2	Phenova		100	Prepared 11/29/21	1/28/2022	N/A	10uL			20
VOA STD. TBA	Various		250	Prepared 11/29/21	12/15/2021	N/A	10uL			50

2.0ug/L

Prepared: 12/6/2021

Expires: 12/15/2021

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 11/29/21	1/28/2022	N/A	20uL	50mL	P&T Water	2
VOA STD. 1	Absolute		50	Prepared 11/29/21	1/28/2022	N/A	30uL			30
VOA STD. 2	Phenova		100	Prepared 11/29/21	1/28/2022	N/A	15uL			30
VOA STD. TBA	Various		250	Prepared 11/29/21	12/15/2021	N/A	15uL			75

5ug/L

Prepared: 12/6/2021

Expires: 12/15/2021

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 11/29/21	1/28/2022	N/A	5uL	50mL	P&T Water	5
VOA STD. 8	Phenova		50	Prepared 11/29/21	12/15/2021	N/A	5uL			5
VOA STD. 1	Absolute		50	Prepared 11/29/21	1/28/2022	N/A	40uL			40
VOA STD. 2	Phenova		100	Prepared 11/29/21	1/28/2022	N/A	20uL			20
VOA STD. TBA	Various		250	Prepared 11/29/21	12/15/2021	N/A	20uL			100

10ug/L

Prepared: 12/6/2021

Expires: 12/15/2021

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 11/29/21	1/28/2022	N/A	10uL	50mL	P&T Water	10
VOA STD. 8	Phenova		50	Prepared 11/29/21	12/15/2021	N/A	10uL			10
VOA STD. 1	Absolute		50	Prepared 11/29/21	1/28/2022	N/A	50uL			50
VOA STD. 2	Phenova		100	Prepared 11/29/21	1/28/2022	N/A	25uL			50
VOA STD. TBA	Various		250	Prepared 11/29/21	12/15/2021	N/A	25uL			125

20ug/L

Prepared: 12/6/2021

Expires: 12/15/2021

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 11/29/21	1/28/2022	N/A	20uL	50mL	P&T Water	20
VOA STD. 8	Phenova		50	Prepared 11/29/21	12/15/2021	N/A	20uL			20
VOA STD. 1	Absolute		50	Prepared 11/29/21	1/28/2022	N/A	60uL			60
VOA STD. 2	Phenova		100	Prepared 11/29/21	1/28/2022	N/A	30uL			60
VOA STD. TBA	Various		250	Prepared 11/29/21	12/15/2021	N/A	30uL			150

40ug/L

Prepared: 12/6/2021

Expires: 12/15/2021

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 11/29/21	1/28/2022	N/A	40uL	50mL	P&T Water	40
VOA STD. 8	Phenova		50	Prepared 11/29/21	12/15/2021	N/A	40uL			40
VOA STD. 1	Absolute		50	Prepared 11/29/21	1/28/2022	N/A	80uL			80
VOA STD. 2	Phenova		100	Prepared 11/29/21	1/28/2022	N/A	40uL			80
VOA STD. TBA	Various		250	Prepared 11/29/21	12/15/2021	N/A	35uL			175

100ug/L

Prepared: 12/6/2021

Expires: 12/15/2021

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 11/29/21	1/28/2022	N/A	100uL	50mL	P&T Water	100
VOA STD. 8	Phenova		50	Prepared 11/29/21	12/15/2021	N/A	100uL			100
VOA STD. 1	Absolute		50	Prepared 11/29/21	1/28/2022	N/A	100uL			100
VOA STD. 2	Phenova		100	Prepared 11/29/21	1/28/2022	N/A	50uL			100
VOA STD. TBA	Various		250	Prepared 11/29/21	12/15/2021	N/A	40uL			200

ZEUS 8260 Water Second Source (SS)

Prepared: 12/6/2021

Prepared By (Initials): CH

Expires: 12/15/2021

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 11/29/21	1/28/2022	N/A	25uL	50mL	P&T Water	50
VOA STD. GASES	Phenova	8260 Water SS	50	Prepared 11/29/21	1/28/2022	N/A	10uL			10
VOA STD. 0	Phenova	8260 Water SS	50	Prepared 11/29/21	1/28/2022	N/A	10uL			10
VOA STD. 2-CEVE	Absolute	8260 Water SS	50	Prepared 11/29/21	11/29/2021	N/A	50uL			50
VOA STD. 6	Various	8260 Water SS	50	Prepared 11/29/21	12/15/2021	N/A	10uL			10
Voa STD. TBA	Various	8260 Water SS	250	Prepared 11/29/21	12/15/2021	N/A	25uL			250

8260 Water Continuing Calibrations (CCV)/ Lab Control Spikes (LCS)

Prepared: 12/6/2021

Prepared By (Initials): CH

Expires: 12/7/2021

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 11/29/21	1/28/2022	N/A	10uL	50mL	P&T Water	10
VOA STD. 8	Phenova	CCV/ LCS	50	Prepared 11/29/21	12/15/2021	N/A	10uL			10
VOA STD. 1	Absolute	CCV/ LCS	50	Prepared 11/29/21	1/28/2022	N/A	50uL			50
VOA STD. 2	Phenova	CCV/ LCS	100	Prepared 11/29/21	1/28/2022	N/A	25uL			50
VOA STD. TBA	Various	CCV/ LCS	250	Prepared 11/29/21	12/15/2021	N/A	25uL			250

Injection Log

Directory: M:\ZEUS\DATA\211206\

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	1	1206Z15.D	1	25ug/L BFB STD 10/29/21		06 Dec 21 15:09
2	2	1206Z17.D	1	0.3ug/L VOC STD 12/6/21		06 Dec 21 15:48
3	3	1206Z18.D	1	0.5ug/L VOC STD 12/6/21		06 Dec 21 16:12
4	4	1206Z19.D	1	1ug/L VOC STD 12/6/21		06 Dec 21 16:36
5	5	1206Z20.D	1	2ug/L VOC STD 12/6/21		06 Dec 21 17:00
6	6	1206Z21.D	1	5ug/L VOC STD 12/6/21		06 Dec 21 17:24
7	7	1206Z22.D	1	10ug/L VOC STD 12/6/21		06 Dec 21 17:48
8	8	1206Z23.D	1	20ug/L VOC STD 12/6/21		06 Dec 21 18:12
9	9	1206Z24.D	1	40ug/L VOC STD 12/6/21		06 Dec 21 18:36
10	10	1206Z25.D	1	100ug/L VOC STD 12/6/21		06 Dec 21 19:00
11	12	1206Z27.D	1	(SS) 10ug/L VOC STD 12/6/21		06 Dec 21 19:48

Injection Log

Directory: M:\ZEUS\DATA\211206\

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	1	1207Z01.D	1	25ug/L BFB STD 10/29/21		07 Dec 21 15:06
2	2	1207Z02.D	1	211207A CCV 10ug/L		07 Dec 21 15:30
3	3	1207Z03.D	1	211207A LCS 10ug/L		07 Dec 21 15:54
4	4	1207Z04.D	1	211207A LCSD 10ug/L		07 Dec 21 16:19
5	8	1207Z08.D	1	211207A BLK		07 Dec 21 17:55
6	9	1207Z09.D	1	BA46970W02		07 Dec 21 18:19
7	10	1207Z10.D	1	BA46971W02		07 Dec 21 18:43
8	11	1207Z11.D	1	BA46972W03		07 Dec 21 19:07
9	12	1207Z12.D	1	BA46973W02		07 Dec 21 19:31
10	13	1207Z13.D	1	BA46974W02		07 Dec 21 19:55
11	30	1207Z30.D	1	Ending CCV 10ug/L 12/7/21		08 Dec 21 02:43

ORGANICS
Calibration Data

VOLATILE ORGANIC ANALYSIS
VOLATILE ORGANIC COMPOUNDS

Form 6
Initial Calibration

Lab Name: APPL, Inc. SDG No:
Case No: Initial Cal. Date: 12/6/2021
Matrix: WATER Instrument: Zeus Initials: MH

		Compound	1206Z17.D	1206Z18.D	1206Z19.D	1206Z20.D	1206Z21.D	1206Z22.D	1206Z23.D	1206Z24.D	1206Z25.D		Avg	%RSD	Type	r^2	Q	MRF
1	I	Fluorobenzene (IS)																
2	S	Dibromofluoromethane(S)	0.1704	0.1728	0.2228	0.2153	0.2474	0.2418	0.2463	0.2400	0.2377		0.22	14	S			
3	S	1,2-DCA-D4(S)	0.1414	0.1477	0.1850	0.1824	0.2069	0.2047	0.2085	0.2043	0.2016		0.19	14	S			
4	I	Chlorobenzene-D5 (IS)																
5	SL	Toluene-D8(S)	0.7983	0.8206	1.050	1.051	1.217	1.212	1.270	1.261	1.258		1.1	17	S	1.000		
6	SL	4-Bromofluorobenzene(S)	0.3265	0.3292	0.4231	0.4275	0.4960	0.4958	0.5208	0.5195	0.5192		0.45	18	S	1.000		
7	I	1,4-Dichlorobenzene-D (IS)																
8																		
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10																		
11																		
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Quantitation Report (QT Reviewed)

Data File : M:\ZEUS\DATA\211206\1206Z17.D Vial: 2
Acq On : 06 Dec 21 15:48 Operator: MH
Sample : 0.3ug/L VOC STD 12/6/21 Inst : Zeus
Misc : Multiplr: 1.00

Quant Time: Dec 7 12:50 2021 Quant Results File: Z1206SUR.RE

Quant Method : M:\ZEUS\DATA\211206\Z1206SUR.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Dec 07 12:50:11 2021
Response via : Initial Calibration
DataAcq Meth : 082421_Z8260.M

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.09	96	367811	25.000	ppb	0.00
4) Chlorobenzene-D5 (IS)	9.58	117	347235	25.000	ppb	0.00
7) 1,4-Dichlorobenzene-D (IS)	12.14	152	119472	25.000	ppb	0.00
System Monitoring Compounds						
2) Dibromofluoromethane(S)	5.23	111	12538	3.203	ppb	0.00
Spiked Amount 25.000			Recovery =	12.812%		
3) 1,2-DCA-D4(S)	5.65	65	10399	2.698	ppb	0.00
Spiked Amount 25.000			Recovery =	10.792%		
5) Toluene-D8(S)	7.98	98	55440	4.664	ppb	0.00
Spiked Amount 25.000			Recovery =	18.656%		
6) 4-Bromofluorobenzene(S)	10.88	95	22674	6.112	ppb	0.00
Spiked Amount 25.000			Recovery =	24.448%		

Target Compounds Qvalue

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

Quantitation Report (Not Reviewed)

Data File : M:\ZEUS\DATA\211206\1206Z18.D Vial: 3
Acq On : 06 Dec 21 16:12 Operator: MH
Sample : 0.5ug/L VOC STD 12/6/21 Inst : Zeus
Misc : Multiplr: 1.00

Quant Time: Dec 7 12:50 2021 Quant Results File: Z1206SUR.RE

Quant Method : M:\ZEUS\DATA\211206\Z1206SUR.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Dec 07 12:50:11 2021
Response via : Initial Calibration
DataAcq Meth : 082421_Z8260.M

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.09	96	366661	25.000	ppb	0.00
4) Chlorobenzene-D5 (IS)	9.58	117	344388	25.000	ppb	0.00
7) 1,4-Dichlorobenzene-D (IS)	12.14	152	116856	25.000	ppb	0.00
System Monitoring Compounds						
2) Dibromofluoromethane(S)	5.23	111	12671	3.247	ppb	0.00
Spiked Amount 25.000			Recovery =	12.988%		
3) 1,2-DCA-D4(S)	5.66	65	10832	2.819	ppb	0.00
Spiked Amount 25.000			Recovery =	11.276%		
5) Toluene-D8(S)	7.98	98	56522	4.739	ppb	0.00
Spiked Amount 25.000			Recovery =	18.956%		
6) 4-Bromofluorobenzene(S)	10.89	95	22676	6.136	ppb	0.00
Spiked Amount 25.000			Recovery =	24.544%		

Target Compounds Qvalue

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

Quantitation Report (Not Reviewed)

Data File : M:\ZEUS\DATA\211206\1206Z19.D Vial: 4
Acq On : 06 Dec 21 16:36 Operator: MH
Sample : 1ug/L VOC STD 12/6/21 Inst : Zeus
Misc : Multiplr: 1.00

Quant Time: Dec 7 12:50 2021 Quant Results File: Z1206SUR.RE

Quant Method : M:\ZEUS\DATA\211206\Z1206SUR.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Dec 07 12:50:11 2021
Response via : Initial Calibration
DataAcq Meth : 082421_Z8260.M

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.09	96	371997	25.000	ppb	0.00
4) Chlorobenzene-D5 (IS)	9.58	117	345148	25.000	ppb	0.00
7) 1,4-Dichlorobenzene-D (IS)	12.14	152	117056	25.000	ppb	0.00
System Monitoring Compounds						
2) Dibromofluoromethane(S)	5.23	111	33149	8.372	ppb	0.00
Spiked Amount 25.000			Recovery =		33.488%	
3) 1,2-DCA-D4(S)	5.66	65	27522	7.060	ppb	0.00
Spiked Amount 25.000			Recovery =		28.240%	
5) Toluene-D8(S)	7.98	98	145028	9.025	ppb	0.00
Spiked Amount 25.000			Recovery =		36.100%	
6) 4-Bromofluorobenzene(S)	10.89	95	58408	10.581	ppb	0.00
Spiked Amount 25.000			Recovery =		42.324%	

Target Compounds Qvalue

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

Quantitation Report (Not Reviewed)

Data File : M:\ZEUS\DATA\211206\1206Z20.D Vial: 5
Acq On : 06 Dec 21 17:00 Operator: MH
Sample : 2ug/L VOC STD 12/6/21 Inst : Zeus
Misc : Multiplr: 1.00

Quant Time: Dec 7 12:50 2021 Quant Results File: Z1206SUR.RE

Quant Method : M:\ZEUS\DATA\211206\Z1206SUR.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Dec 07 12:50:11 2021
Response via : Initial Calibration
DataAcq Meth : 082421_Z8260.M

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.09	96	388302	25.000	ppb	0.00
4) Chlorobenzene-D5 (IS)	9.58	117	355796	25.000	ppb	0.00
7) 1,4-Dichlorobenzene-D (IS)	12.14	152	125880	25.000	ppb	0.00
System Monitoring Compounds						
2) Dibromofluoromethane(S)	5.23	111	33446	8.092	ppb	0.00
Spiked Amount 25.000			Recovery =	32.368%		
3) 1,2-DCA-D4(S)	5.65	65	28333	6.963	ppb	0.00
Spiked Amount 25.000			Recovery =	27.852%		
5) Toluene-D8(S)	7.98	98	149510	9.025	ppb	0.00
Spiked Amount 25.000			Recovery =	36.100%		
6) 4-Bromofluorobenzene(S)	10.88	95	60845	10.657	ppb	0.00
Spiked Amount 25.000			Recovery =	42.628%		

Target Compounds Qvalue

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

Quantitation Report (Not Reviewed)

Data File : M:\ZEUS\DATA\211206\1206Z21.D Vial: 6
Acq On : 06 Dec 21 17:24 Operator: MH
Sample : 5ug/L VOC STD 12/6/21 Inst : Zeus
Misc : Multiplr: 1.00

Quant Time: Dec 7 12:50 2021 Quant Results File: Z1206SUR.RE

Quant Method : M:\ZEUS\DATA\211206\Z1206SUR.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Dec 07 12:50:11 2021
Response via : Initial Calibration
DataAcq Meth : 082421_Z8260.M

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.09	96	398068	25.000	ppb	0.00
4) Chlorobenzene-D5 (IS)	9.58	117	358845	25.000	ppb	0.00
7) 1,4-Dichlorobenzene-D (IS)	12.14	152	126680	25.000	ppb	0.00
System Monitoring Compounds						
2) Dibromofluoromethane(S)	5.23	111	98469	23.241	ppb	0.00
Spiked Amount 25.000			Recovery =	92.964%		
3) 1,2-DCA-D4(S)	5.66	65	82342	19.739	ppb	0.00
Spiked Amount 25.000			Recovery =	78.956%		
5) Toluene-D8(S)	7.98	98	436806	22.365	ppb	0.00
Spiked Amount 25.000			Recovery =	89.460%		
6) 4-Bromofluorobenzene(S)	10.88	95	177990	24.631	ppb	0.00
Spiked Amount 25.000			Recovery =	98.524%		

Target Compounds Qvalue

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

Quantitation Report (Not Reviewed)

Data File : M:\ZEUS\DATA\211206\1206Z22.D Vial: 7
Acq On : 06 Dec 21 17:48 Operator: MH
Sample : 10ug/L VOC STD 12/6/21 Inst : Zeus
Misc : Multiplr: 1.00

Quant Time: Dec 7 12:50 2021 Quant Results File: Z1206SUR.RES

Quant Method : M:\ZEUS\DATA\211206\Z1206SUR.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Dec 07 12:50:11 2021
Response via : Initial Calibration
DataAcq Meth : 082421_Z8260.M

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.09	96	407844	25.000	ppb	0.00
4) Chlorobenzene-D5 (IS)	9.59	117	362313	25.000	ppb	0.00
7) 1,4-Dichlorobenzene-D (IS)	12.14	152	125640	25.000	ppb	0.00
System Monitoring Compounds						
2) Dibromofluoromethane(S)	5.23	111	98626	22.720	ppb	0.00
Spiked Amount 25.000			Recovery =	90.880%		
3) 1,2-DCA-D4(S)	5.65	65	83490	19.534	ppb	0.00
Spiked Amount 25.000			Recovery =	78.136%		
5) Toluene-D8(S)	7.98	98	439095	22.276	ppb	0.00
Spiked Amount 25.000			Recovery =	89.104%		
6) 4-Bromofluorobenzene(S)	10.88	95	179650	24.624	ppb	0.00
Spiked Amount 25.000			Recovery =	98.496%		

Target Compounds Qvalue

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

Quantitation Report (Not Reviewed)

Data File : M:\ZEUS\DATA\211206\1206Z23.D Vial: 8
Acq On : 06 Dec 21 18:12 Operator: MH
Sample : 20ug/L VOC STD 12/6/21 Inst : Zeus
Misc : Multiplr: 1.00

Quant Time: Dec 7 12:50 2021 Quant Results File: Z1206SUR.RE

Quant Method : M:\ZEUS\DATA\211206\Z1206SUR.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Dec 07 12:50:11 2021
Response via : Initial Calibration
DataAcq Meth : 082421_Z8260.M

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	6.09	96	429143	25.000 ppb	0.00
4) Chlorobenzene-D5 (IS)	9.58	117	371190	25.000 ppb	0.00
7) 1,4-Dichlorobenzene-D (IS)	12.14	152	127840	25.000 ppb	0.00
System Monitoring Compounds					
2) Dibromofluoromethane(S)	5.23	111	211390	46.279 ppb	0.00
Spiked Amount 25.000			Recovery	= 185.116%	
3) 1,2-DCA-D4(S)	5.65	65	178963	39.794 ppb	0.00
Spiked Amount 25.000			Recovery	= 159.176%	
5) Toluene-D8(S)	7.98	98	942563	44.492 ppb	0.00
Spiked Amount 25.000			Recovery	= 177.968%	
6) 4-Bromofluorobenzene(S)	10.88	95	386622	48.089 ppb	0.00
Spiked Amount 25.000			Recovery	= 192.356%	

Target Compounds Qvalue

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

Quantitation Report (Not Reviewed)

Data File : M:\ZEUS\DATA\211206\1206Z24.D Vial: 9
Acq On : 06 Dec 21 18:36 Operator: MH
Sample : 40ug/L VOC STD 12/6/21 Inst : Zeus
Misc : Multiplr: 1.00

Quant Time: Dec 7 12:50 2021 Quant Results File: Z1206SUR.RE

Quant Method : M:\ZEUS\DATA\211206\Z1206SUR.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Dec 07 12:50:11 2021
Response via : Initial Calibration
DataAcq Meth : 082421_Z8260.M

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	6.09	96	438913	25.000 ppb	0.00
4) Chlorobenzene-D5 (IS)	9.58	117	374368	25.000 ppb	0.00
7) 1,4-Dichlorobenzene-D (IS)	12.14	152	124832	25.000 ppb	0.00
System Monitoring Compounds					
2) Dibromofluoromethane(S)	5.23	111	210639	45.088 ppb	0.00
Spiked Amount 25.000			Recovery = 180.352%		
3) 1,2-DCA-D4(S)	5.65	65	179326	38.987 ppb	0.00
Spiked Amount 25.000			Recovery = 155.948%		
5) Toluene-D8(S)	7.98	98	944015	44.196 ppb	0.00
Spiked Amount 25.000			Recovery = 176.784%		
6) 4-Bromofluorobenzene(S)	10.88	95	388955	47.976 ppb	0.00
Spiked Amount 25.000			Recovery = 191.904%		

Target Compounds Qvalue

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

Quantitation Report (Not Reviewed)

Data File : M:\ZEUS\DATA\211206\1206Z25.D Vial: 10
Acq On : 06 Dec 21 19:00 Operator: MH
Sample : 100ug/L VOC STD 12/6/21 Inst : Zeus
Misc : Multiplr: 1.00

Quant Time: Dec 7 12:50 2021 Quant Results File: Z1206SUR.RE

Quant Method : M:\ZEUS\DATA\211206\Z1206SUR.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Dec 07 12:50:11 2021
Response via : Initial Calibration
DataAcq Meth : 082421_Z8260.M

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	6.09	96	457473	25.000 ppb	0.00
4) Chlorobenzene-D5 (IS)	9.58	117	388410	25.000 ppb	0.00
7) 1,4-Dichlorobenzene-D (IS)	12.14	152	126216	25.000 ppb	0.00
System Monitoring Compounds					
2) Dibromofluoromethane(S)	5.23	111	434953	89.326 ppb	0.00
Spiked Amount 25.000			Recovery = 357.304%		
3) 1,2-DCA-D4(S)	5.66	65	368985	76.966 ppb	0.00
Spiked Amount 25.000			Recovery = 307.864%		
5) Toluene-D8(S)	7.98	98	1954424	86.210 ppb	0.00
Spiked Amount 25.000			Recovery = 344.840%		
6) 4-Bromofluorobenzene(S)	10.88	95	806582	92.592 ppb	0.00
Spiked Amount 25.000			Recovery = 370.368%		

Target Compounds Qvalue

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

VOLATILE ORGANIC ANALYSIS
VOLATILE ORGANIC COMPOUNDS

Form 6
Initial Calibration

Lab Name: APPL, Inc. SDG No:
Case No: Initial Cal. Date: 12/6/2021
Matrix: GAS Instrument: Zeus
Initials: MH

		Compound	1	2	3	4	5	6	7				Avg	%RSD	Type	r^2	Q	MRF
			1206Z36.D	1206Z37.D	1206Z38.D	1206Z39.D	1206Z40.D	1206Z41.D	1206Z42.D									
1	I	Fluorobenzene (IS)																
2	TMHBL	Gasoline C6-C10	16.6	7.019	3.923	1.820	1.243	1.131	1.041				4.7	121	TMHB	1.000		
3	I	Chlorobenzene-D5 (IS)																
4	I	1,4-Dichlorobenzene-D (IS)																
5																		
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Quantitation Report (QT Reviewed)

Data File : M:\ZEUS\DATA\211206\1206Z36.D Vial: 21
Acq On : 06 Dec 21 23:24 Operator: MH
Sample : 20ug/L GAS STD 12/6/21 Inst : Zeus
Misc : Multiplr: 1.00

Quant Time: Dec 7 12:35 2021 Quant Results File: ZGAS1206.RE

Quant Method : M:\ZEUS\DATA\211206\ZGAS1206.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Dec 07 12:30:29 2021
Response via : Initial Calibration
DataAcq Meth : 082421_Z8260.M

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.09	TIC	352283	25.000	ppb	0.00
3) Chlorobenzene-D5 (IS)	12.14	TIC	633261	25.000	ppb	0.00
4) 1,4-Dichlorobenzene-D (IS)	9.58	TIC	542972	25.000	ppb	0.08
System Monitoring Compounds						
Target Compounds						Qvalue
2) Gasoline C6-C10	7.98	TIC	4674724m	24.795	ppb	100

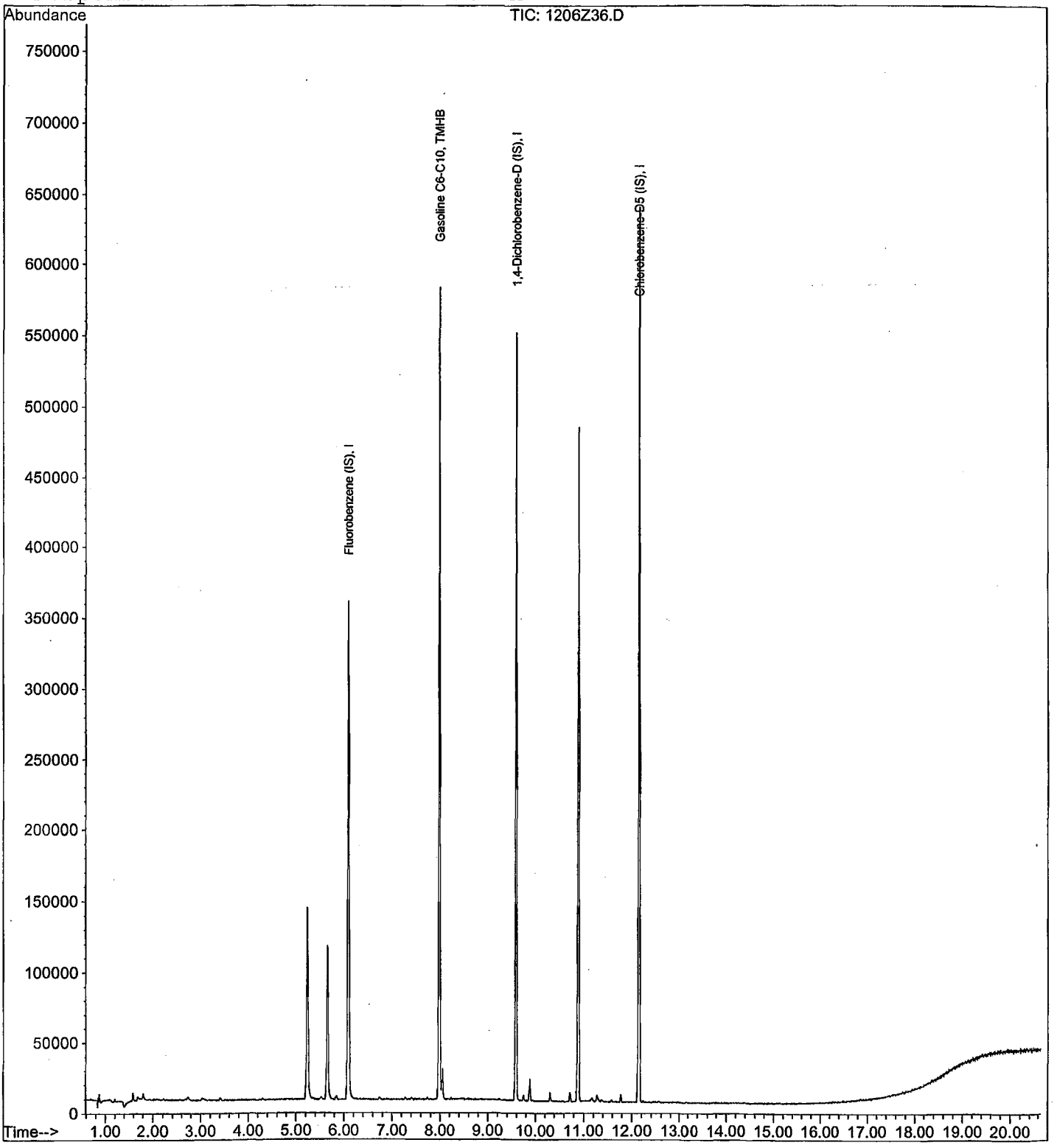
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\ZEUS\DATA\211206\1206Z36.D Vial: 21
Acq On : 06 Dec 21 23:24 Operator: MH
Sample : 20ug/L GAS STD 12/6/21 Inst : Zeus
Misc : Multiplr: 1.00

Quant Time: Dec 7 12:35 2021 Quant Results File: ZGAS1206.RES

Method : M:\ZEUS\DATA\211206\ZGAS1206.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Dec 07 12:37:53 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\ZEUS\DATA\211206\1206Z37.D Vial: 22
Acq On : 06 Dec 21 23:48 Operator: MH
Sample : 50ug/L GAS STD 12/6/21 Inst : Zeus
Misc : Multiplr: 1.00

Quant Time: Dec 7 12:35 2021 Quant Results File: ZGAS1206.RE

Quant Method : M:\ZEUS\DATA\211206\ZGAS1206.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Dec 07 12:30:29 2021
Response via : Initial Calibration
DataAcq Meth : 082421_Z8260.M

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.09	TIC	351086	25.000	ppb	0.00
3) Chlorobenzene-D5 (IS)	12.14	TIC	606793	25.000	ppb	0.00
4) 1,4-Dichlorobenzene-D (IS)	9.58	TIC	538264	25.000	ppb	0.08
System Monitoring Compounds						
Target Compounds						Qvalue
2) Gasoline C6-C10	7.98	TIC	4928196m	51.700	ppb	100

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

Quantitation Report

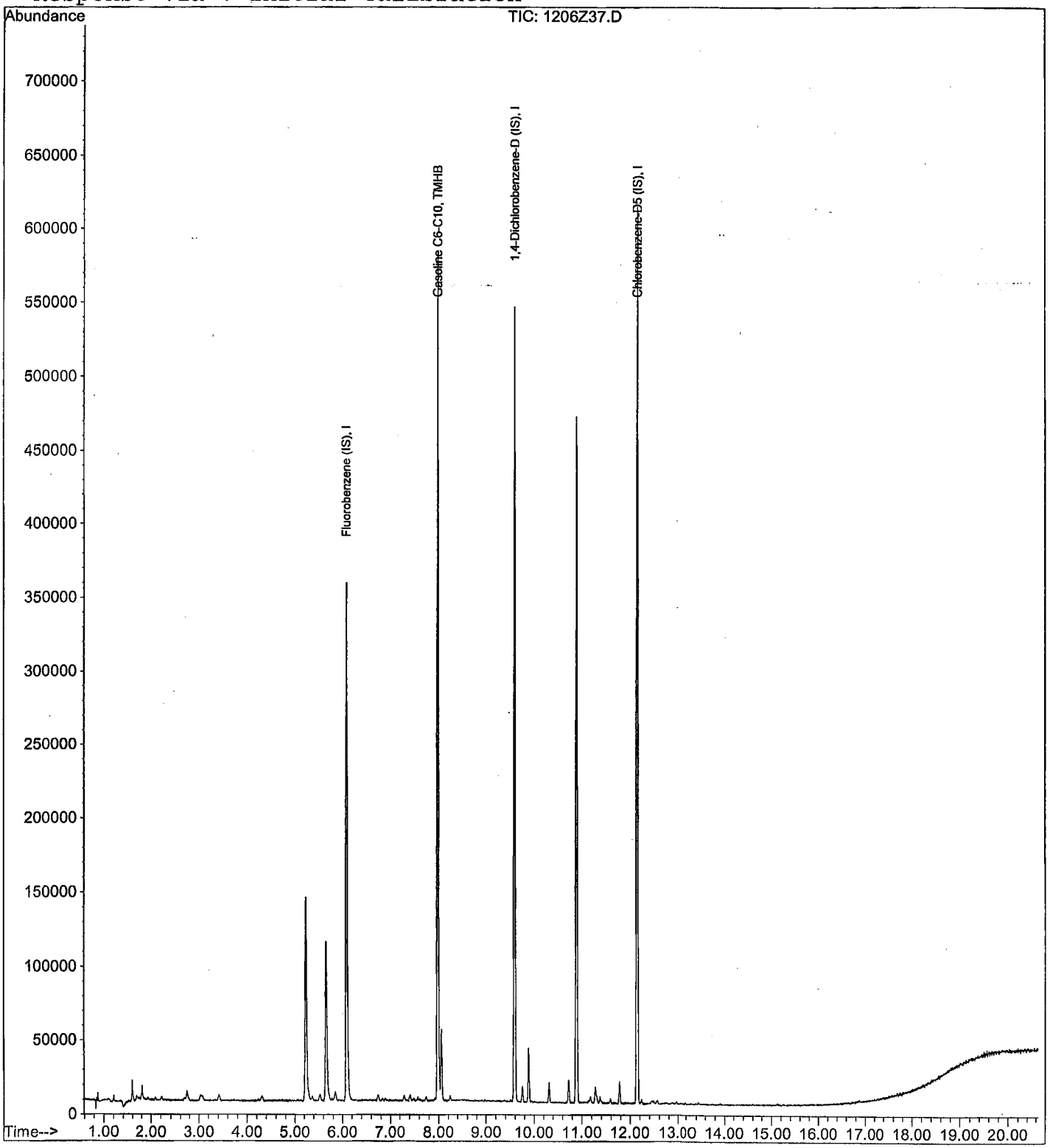
Data File : M:\ZEUS\DATA\211206\1206Z37.D
Acq On : 06 Dec 21 23:48
Sample : 50ug/L GAS STD 12/6/21
Misc :

Vial: 22
Operator: MH
Inst : Zeus
Multiplr: 1.00

Quant Time: Dec 7 12:35 2021

Quant Results File: ZGAS1206.RE

Method : M:\ZEUS\DATA\211206\ZGAS1206.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Dec 07 12:37:53 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\ZEUS\DATA\211206\1206Z38.D Vial: 23
Acq On : 07 Dec 21 00:12 Operator: MH
Sample : 100ug/L GAS STD 12/6/21 Inst : Zeus
Misc : Multiplr: 1.00

Quant Time: Dec 7 12:36 2021 Quant Results File: ZGAS1206.RES

Quant Method : M:\ZEUS\DATA\211206\ZGAS1206.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Dec 07 12:30:29 2021
Response via : Initial Calibration
DataAcq Meth : 082421_Z8260.M

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.09	TIC	351331	25.000	ppb	0.00
3) Chlorobenzene-D5 (IS)	12.14	TIC	615816	25.000	ppb	0.00
4) 1,4-Dichlorobenzene-D (IS)	9.58	TIC	528762	25.000	ppb	0.08
System Monitoring Compounds						
Target Compounds						Qvalue
2) Gasoline C6-C10	7.98	TIC	5512865m	109.716	ppb	100

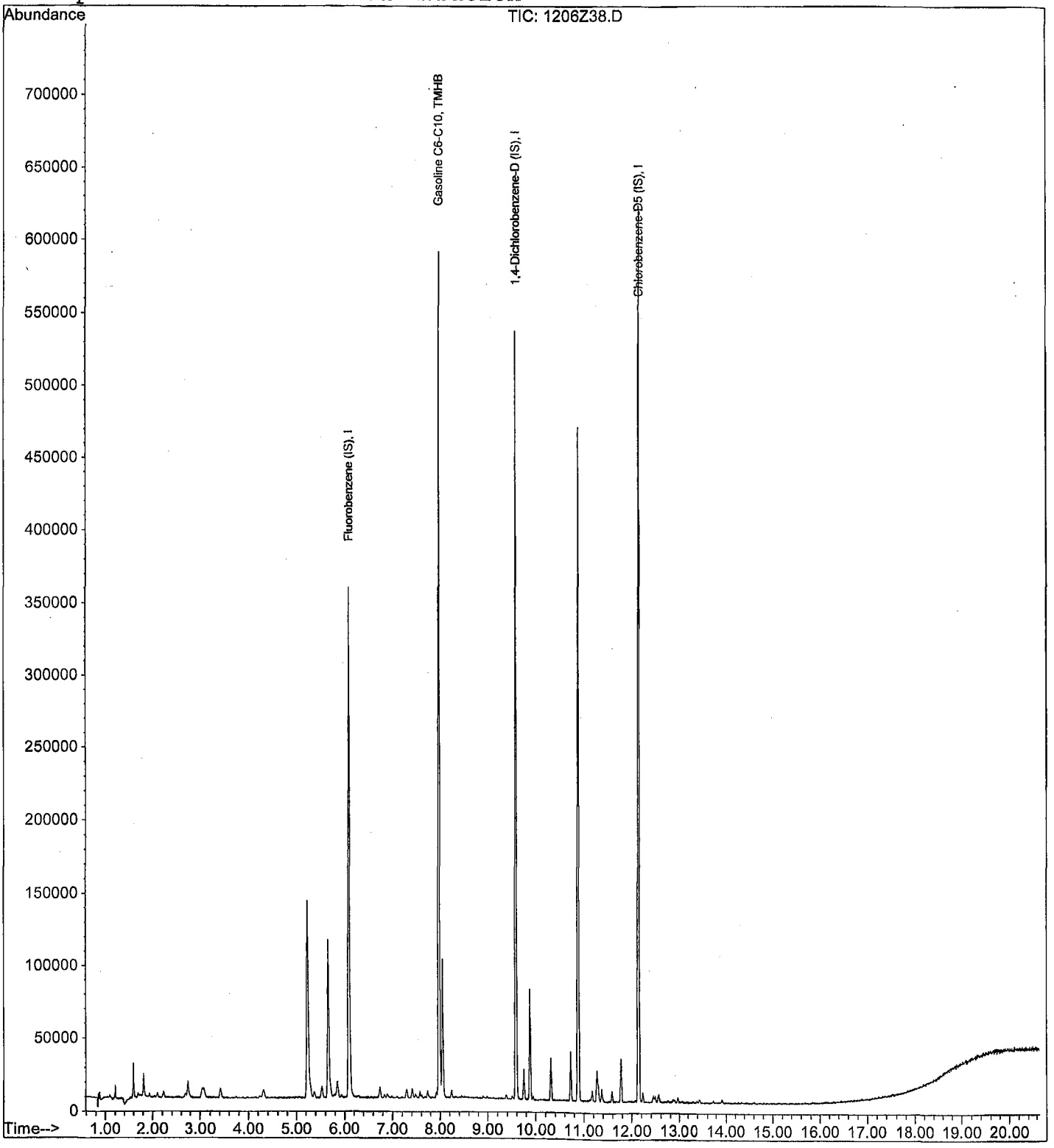
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\ZEUS\DATA\211206\1206Z38.D Vial: 23
Acq On : 07 Dec 21 00:12 Operator: MH
Sample : 100ug/L GAS STD 12/6/21 Inst : Zeus
Misc : Multiplr: 1.00

Quant Time: Dec 7 12:36 2021 Quant Results File: ZGAS1206.RES

Method : M:\ZEUS\DATA\211206\ZGAS1206.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Dec 07 12:37:53 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\ZEUS\DATA\211206\1206Z39.D Vial: 24
Acq On : 07 Dec 21 00:37 Operator: MH
Sample : 300ug/L GAS STD 12/6/21 Inst : Zeus
Misc : Multiplr: 1.00

Quant Time: Dec 7 12:36 2021 Quant Results File: ZGAS1206.RE

Quant Method : M:\ZEUS\DATA\211206\ZGAS1206.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Dec 07 12:30:29 2021
Response via : Initial Calibration
DataAcq Meth : 082421_Z8260.M

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.09	TIC	350046	25.000	ppb	0.00
3) Chlorobenzene-D5 (IS)	12.14	TIC	632106	25.000	ppb	0.00
4) 1,4-Dichlorobenzene-D (IS)	9.51	TIC	8028	25.000	ppb	0.00

System Monitoring Compounds

Target Compounds						Qvalue
2) Gasoline C6-C10	7.98	TIC	7644838m	325.324	ppb	100

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

Quantitation Report

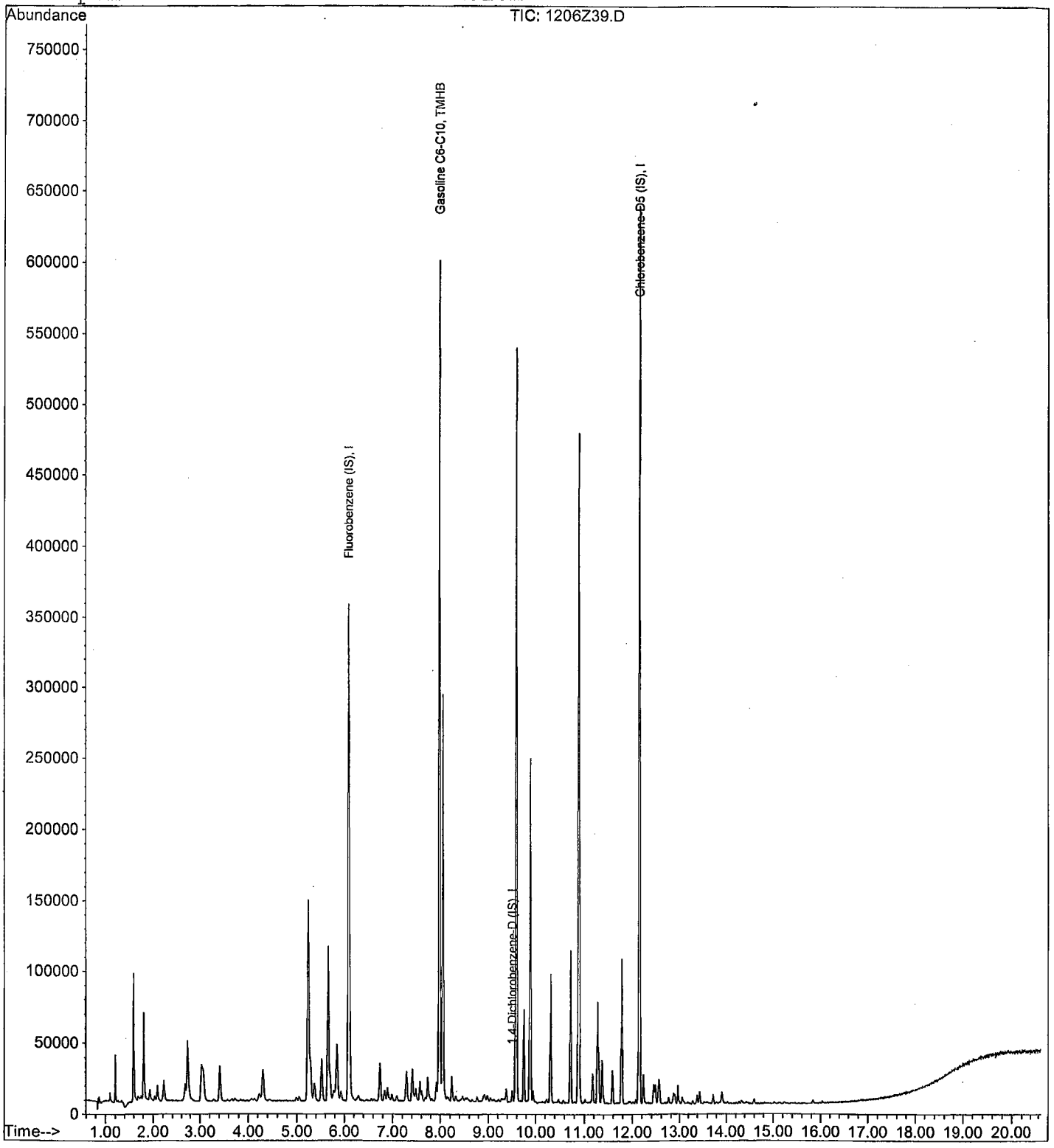
Data File : M:\ZEUS\DATA\211206\1206Z39.D
Acq On : 07 Dec 21 00:37
Sample : 300ug/L GAS STD 12/6/21
Misc :

Vial: 24
Operator: MH
Inst : Zeus
Multiplr: 1.00

Quant Time: Dec 7 12:36 2021

Quant Results File: ZGAS1206.RE

Method : M:\ZEUS\DATA\211206\ZGAS1206.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Dec 07 12:37:53 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\ZEUS\DATA\211206\1206Z40.D Vial: 25
Acq On : 07 Dec 21 01:01 Operator: MH
Sample : 600ug/L GAS STD 12/6/21 Inst : Zeus
Misc : Multiplr: 1.00

Quant Time: Dec 7 12:36 2021 Quant Results File: ZGAS1206.RE

Quant Method : M:\ZEUS\DATA\211206\ZGAS1206.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Dec 07 12:30:29 2021
Response via : Initial Calibration
DataAcq Meth : 082421_Z8260.M

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.09	TIC	379834	25.000	ppb	0.00
3) Chlorobenzene-D5 (IS)	12.14	TIC	634059	25.000	ppb	0.00
4) 1,4-Dichlorobenzene-D (IS)	9.51	TIC	16830	25.000	ppb	0.00

System Monitoring Compounds

Target Compounds						Qvalue
2) Gasoline C6-C10	8.05	TIC	11331953m	605.679	ppb	100

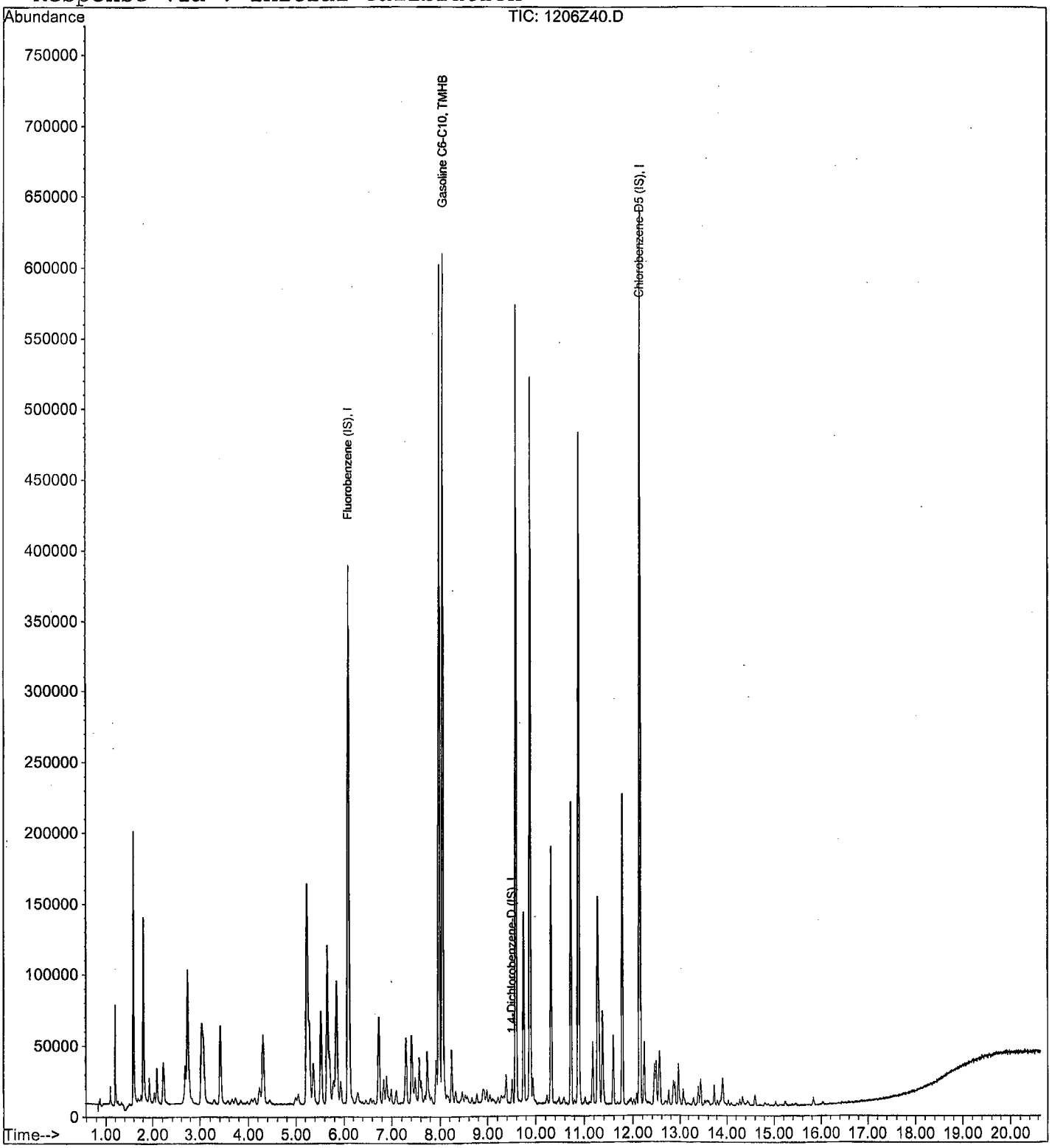
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\ZEUS\DATA\211206\1206Z40.D Vial: 25
Acq On : 07 Dec 21 01:01 Operator: MH
Sample : 600ug/L GAS STD 12/6/21 Inst : Zeus
Misc : Multiplr: 1.00

Quant Time: Dec 7 12:36 2021 Quant Results File: ZGAS1206.RES

Method : M:\ZEUS\DATA\211206\ZGAS1206.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Dec 07 12:37:53 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\ZEUS\DATA\211206\1206Z41.D Vial: 26
Acq On : 07 Dec 21 01:25 Operator: MH
Sample : 800ug/L GAS STD 12/6/21 Inst : Zeus
Misc : Multiplr: 1.00

Quant Time: Dec 7 12:37 2021 Quant Results File: ZGAS1206.RES

Quant Method : M:\ZEUS\DATA\211206\ZGAS1206.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Dec 07 12:30:29 2021
Response via : Initial Calibration
DataAcq Meth : 082421_Z8260.M

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.09	TIC	391564	25.000	ppb	0.00
3) Chlorobenzene-D5 (IS)	12.14	TIC	638438	25.000	ppb	0.00
4) 1,4-Dichlorobenzene-D (IS)	9.51	TIC	23343	25.000	ppb	0.00

System Monitoring Compounds

Target Compounds						Qvalue
2) Gasoline C6-C10	8.05	TIC	14168522m	828.382	ppb	100

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

Quantitation Report

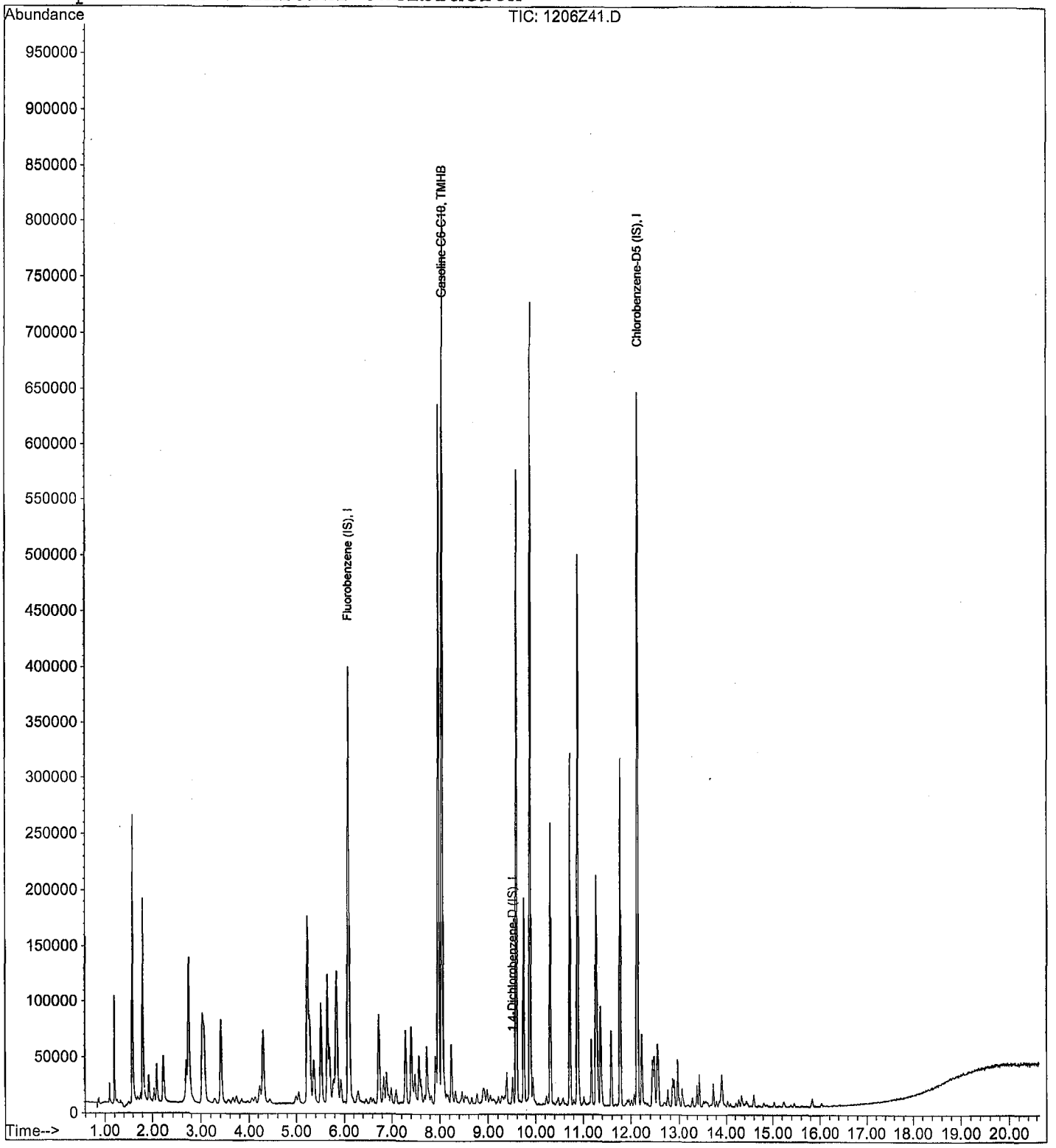
Data File : M:\ZEUS\DATA\211206\1206Z41.D
Acq On : 07 Dec 21 01:25
Sample : 800ug/L GAS STD 12/6/21
Misc :

Vial: 26
Operator: MH
Inst : Zeus
Multiplr: 1.00

Quant Time: Dec 7 12:37 2021

Quant Results File: ZGAS1206.RES

Method : M:\ZEUS\DATA\211206\ZGAS1206.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Dec 07 12:37:53 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\ZEUS\DATA\211206\1206Z42.D Vial: 27
Acq On : 07 Dec 21 01:49 Operator: MH
Sample : 1000ug/L GAS STD 12/6/21 Inst : Zeus
Misc : Multiplr: 1.00

Quant Time: Dec 7 12:37 2021 Quant Results File: ZGAS1206.RE

Quant Method : M:\ZEUS\DATA\211206\ZGAS1206.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Dec 07 12:30:29 2021
Response via : Initial Calibration
DataAcq Meth : 082421_Z8260.M

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.09	TIC	401524	25.000	ppb	0.00
3) Chlorobenzene-D5 (IS)	12.14	TIC	661948	25.000	ppb	0.00
4) 1,4-Dichlorobenzene-D (IS)	9.51	TIC	30806	25.000	ppb	0.00

System Monitoring Compounds

Target Compounds						Qvalue
2) Gasoline C6-C10	8.05	TIC	16723774m	1020.078	ppb	100

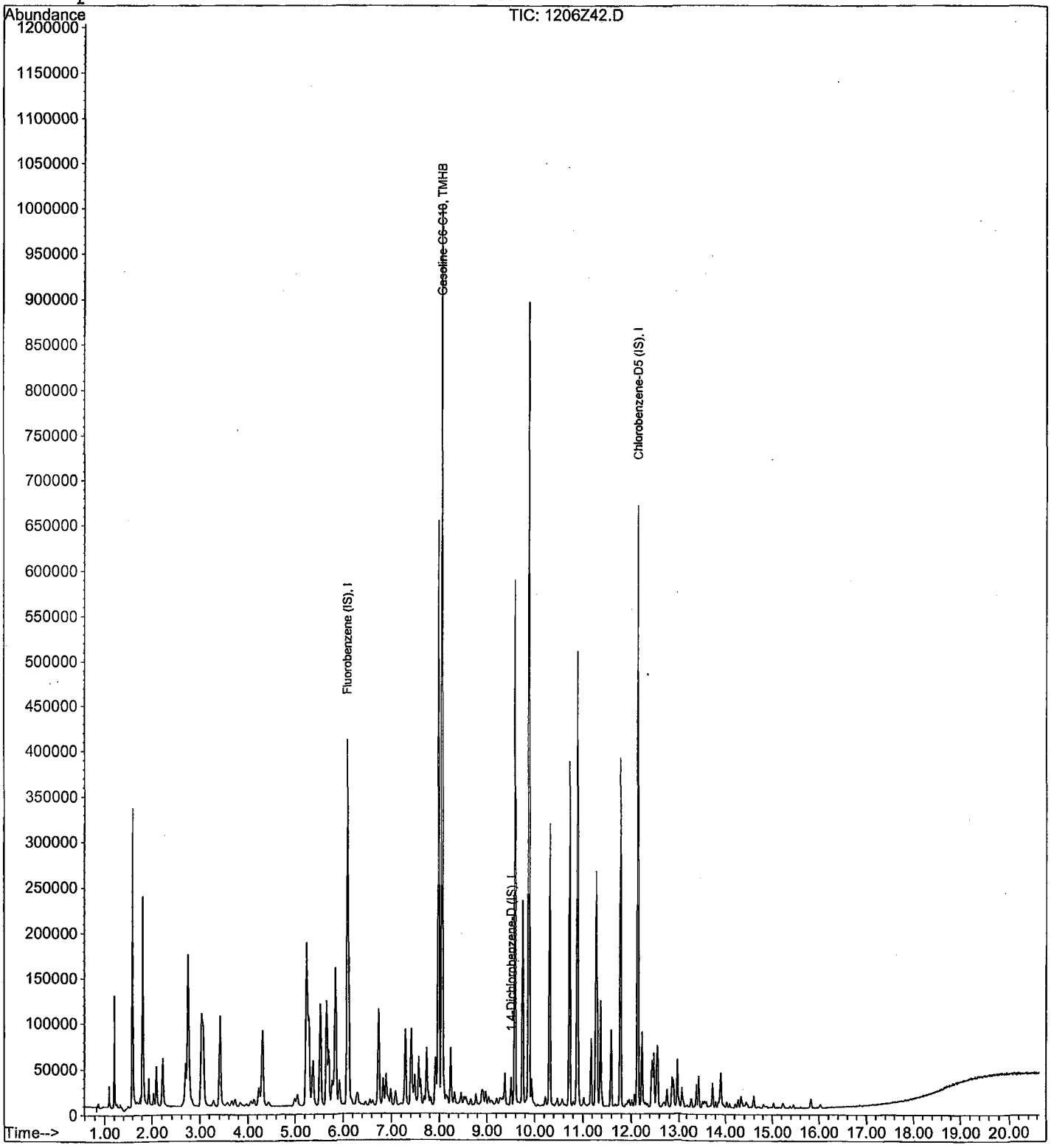
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\ZEUS\DATA\211206\1206Z42.D Vial: 27
Acq On : 07 Dec 21 01:49 Operator: MH
Sample : 1000ug/L GAS STD 12/6/21 Inst : Zeus
Misc : Multiplr: 1.00

Quant Time: Dec 7 12:37 2021 Quant Results File: ZGAS1206.RE

Method : M:\ZEUS\DATA\211206\ZGAS1206.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Dec 07 12:37:53 2021
Response via : Initial Calibration



VOLATILE ORGANIC ANALYSIS
VOLATILE ORGANIC COMPOUNDS

Form 7

Second Source Calibration

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

SDG No:
Date Analyzed: 12/7/2021
Instrument: Zeus
Initial Cal. Date: 12/6/2021
Data File: 1206Z43.D

		Compound	MEAN	CCRF	%D		%Drift
1	TMHB	Gasoline C6-C10	8.386	2.783	67	TMHBL	7.8
2							
3							
4							
5							
6							
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39							
40							
		Average			67.0		

Quantitation Report (QT Reviewed)

Data File : M:\ZEUS\DATA\211206\1206Z43.D Vial: 28
Acq On : 07 Dec 21 02:13 Operator: MH
Sample : (SS) 300ug/L GAS STD 12/6/21 Inst : Zeus
Misc : Multiplr: 1.00

Quant Time: Dec 7 12:40 2021 Quant Results File: ZGAS1206.RES

Quant Method : M:\ZEUS\DATA\211206\ZGAS1206.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Dec 07 12:30:29 2021
Response via : Initial Calibration
DataAcq Meth : 082421_Z8260.M

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.09	TIC	387052	25.000	ppb	0.00
3) Chlorobenzene-D5 (IS)	12.15	TIC	654794	25.000	ppb	0.00
4) 1,4-Dichlorobenzene-D (IS)	9.51	TIC	11888	25.000	ppb	0.00
System Monitoring Compounds						
Target Compounds						Qvalue
2) Gasoline C6-C10	7.98	TIC	8706651m	348.303	ppb	100

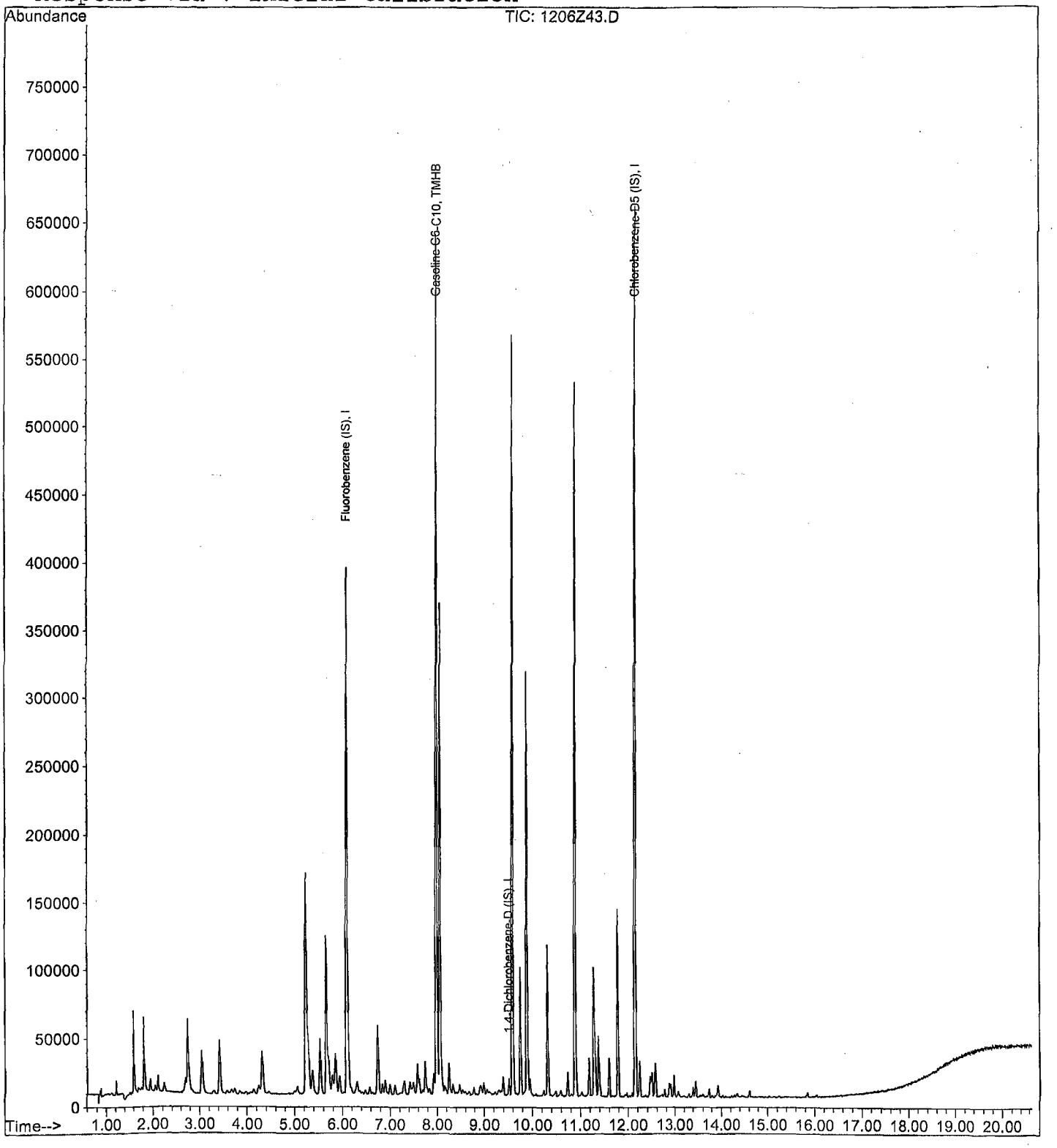
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\ZEUS\DATA\211206\1206Z43.D Vial: 28
Acq On : 07 Dec 21 02:13 Operator: MH
Sample : (SS) 300ug/L GAS STD 12/6/21 Inst : Zeus
Misc : Multiplr: 1.00

Quant Time: Dec 7 12:40 2021 Quant Results File: ZGAS1206.RES

Method : M:\ZEUS\DATA\211206\ZGAS1206.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Dec 07 12:37:53 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: 12/7/2021
Instrument: Zeus
Initial Cal. Date: 12/6/2021
Data File: 1207Z05.D

		Compound	MEAN	CCRF	%D		%Drift
1	I	Fluorobenzene (IS)	ISTD			I	
2	TMHB	Gasoline C6-C10	4.681	1.780	62	TMHBL	1.1
3	I	Chlorobenzene-D5 (IS)	ISTD			I	
4	I	1,4-Dichlorobenzene-D (IS)	ISTD			I	
5							
6							
7							
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39							
40							
		Average			62.0		

VOLATILE ORGANIC ANALYSIS
VOLATILE ORGANIC COMPOUNDS

Form 7

Continuing Calibration

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

SDG No:
Date Analyzed: 12/7/2021
Instrument: Zeus
Initial Cal. Date: 12/6/2021
Data File: 1207Z05.D

		Compound	MEAN	CCRF	%D		%Drift
1	I	Fluorobenzene (IS)	ISTD			I	
2	S	Dibromofluoromethane(S)	0.2216	0.2384	7.6	S	
3	S	1,2-DCA-D4(S)	0.1869	0.2075	11	S	
4	I	Chlorobenzene-D5 (IS)	ISTD			I	
5	SL	Toluene-D8(S)	1.104	1.223	11	SL	1.3
6	SL	4-Bromofluorobenzene(S)	0.4508	0.5018	11	SL	1.4
7	I	1,4-Dichlorobenzene-D (IS)	ISTD			I	
8							
9							
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39							
40							
		Average			10.2		

Quantitation Report (QT Reviewed)

Data File : M:\ZEUS\DATA\211206\1207Z05.D Vial: 5
Acq On : 07 Dec 21 16:43 Operator: MH
Sample : 211207A CCV 300ug/L Inst : Zeus
Misc : Multiplr: 1.00

Quant Time: Dec 8 11:11 2021 Quant Results File: ZGAS1206.RE

Quant Method : M:\ZEUS\DATA\211206\ZGAS1206.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Dec 07 12:37:53 2021
Response via : Initial Calibration
DataAcq Meth : 082421_Z8260.M

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	6.09	TIC	377708	25.00 ppb	0.00
3) Chlorobenzene-D5 (IS)	12.14	TIC	643195	25.00 ppb	0.00
4) 1,4-Dichlorobenzene-D (IS)	9.51	TIC	9839	25.00 ppb	0.00
System Monitoring Compounds					
Target Compounds					Qvalue
2) Gasoline C6-C10	7.98	TIC	8067002m	296.68 ppb	100

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

Quantitation Report (Not Reviewed)

Data File : M:\ZEUS\DATA\211206\1207Z05.D Vial: 5
Acq On : 07 Dec 21 16:43 Operator: MH
Sample : 211207A CCV 300ug/L Inst : Zeus
Misc : Multiplr: 1.00

Quant Time: Dec 8 12:30 2021 Quant Results File: Z1206SUR.RE

Quant Method : M:\ZEUS\DATA\211206\Z1206SUR.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Dec 07 12:53:13 2021
Response via : Initial Calibration
DataAcq Meth : 082421_Z8260.M

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.09	96	403420	25.00	ppb	0.00
4) Chlorobenzene-D5 (IS)	9.58	117	359753	25.00	ppb	0.00
7) 1,4-Dichlorobenzene-D (IS)	12.14	152	121712	25.00	ppb	0.00
System Monitoring Compounds						
2) Dibromofluoromethane(S)	5.23	111	96159	26.89	ppb	0.00
Spiked Amount 25.000			Recovery = 107.560%			
3) 1,2-DCA-D4(S)	5.65	65	83696	27.75	ppb	0.00
Spiked Amount 25.000			Recovery = 110.980%			
5) Toluene-D8(S)	7.98	98	440031	25.33	ppb	0.00
Spiked Amount 25.000			Recovery = 101.340%			
6) 4-Bromofluorobenzene(S)	10.89	95	180510	25.34	ppb	0.00
Spiked Amount 25.000			Recovery = 101.368%			

Target Compounds Qvalue

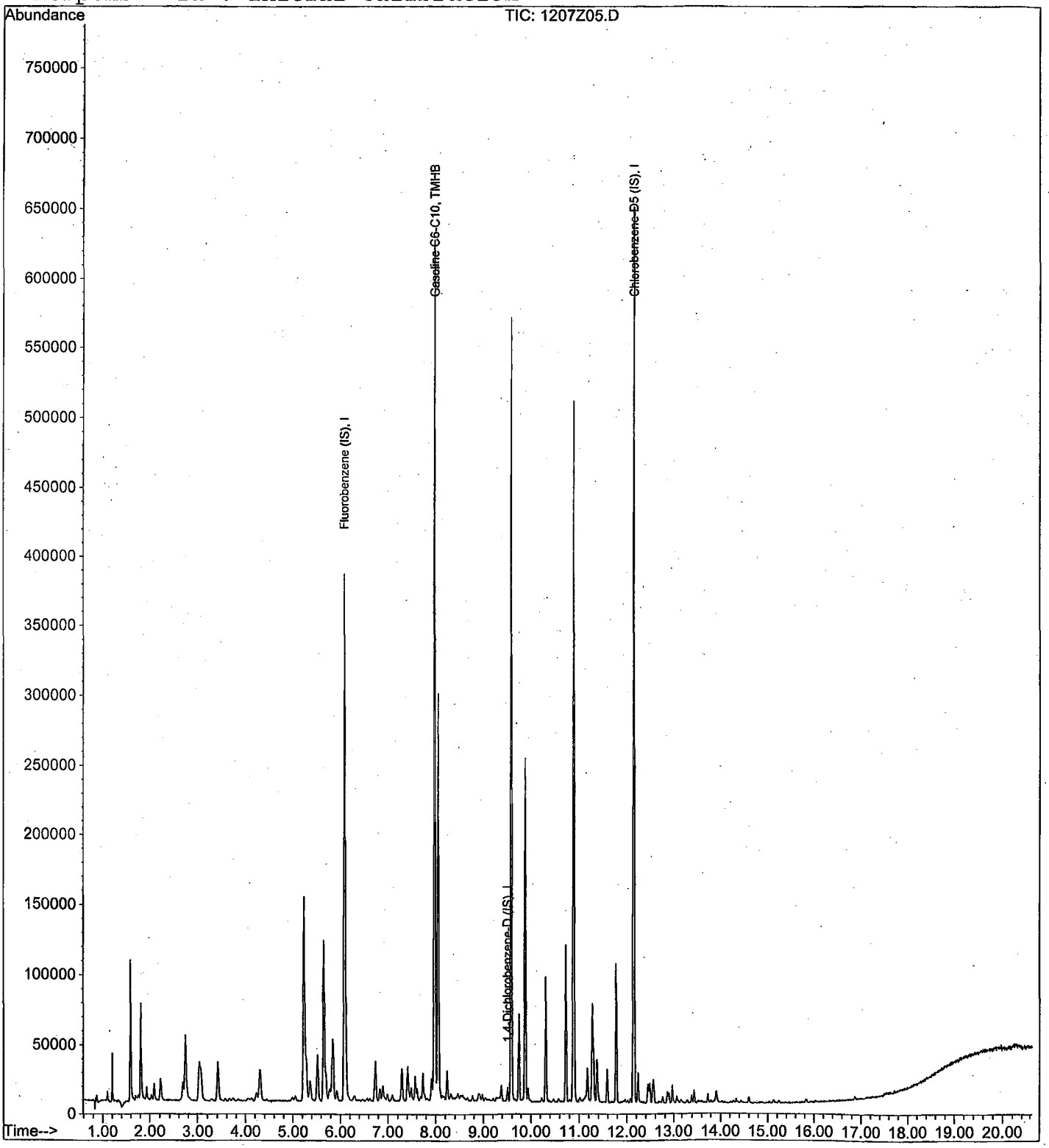
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\ZEUS\DATA\211206\1207Z05.D Vial: 5
Acq On : 07 Dec 21 16:43 Operator: MH
Sample : 211207A CCV 300ug/L Inst : Zeus
Misc : Multiplr: 1.00

Quant Time: Dec 8 11:11 2021 Quant Results File: ZGAS1206.RE

Method : M:\ZEUS\DATA\211206\ZGAS1206.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Dec 07 12:37:53 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: 12/8/2021
Instrument: Zeus
Initial Cal. Date: 12/6/2021
Data File: 1207Z31.D

		Compound	MEAN	CCRF	%D	%Drift	
1	I	Fluorobenzene (IS)	ISTD			I	
2	TMHB	Gasoline C6-C10	4.681	1.832	61	TMHBL	6.1
3	I	Chlorobenzene-D5 (IS)	ISTD			I	
4	I	1,4-Dichlorobenzene-D (IS)	ISTD			I	
5							
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37							
38							
39							
40							
		Average			61.0		

VOLATILE ORGANIC ANALYSIS
VOLATILE ORGANIC COMPOUNDS

Form 7

Ending Continuing Calibration

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

SDG No:
Date Analyzed: 12/8/2021
Instrument: Zeus
Initial Cal. Date: 12/6/2021
Data File: 1207Z31.D

		Compound	MEAN	CCRF	%D		%Drift
1	I	Fluorobenzene (IS)	ISTD			I	
2	S	Dibromofluoromethane(S)	0.2216	0.2430	9.7	S	
3	S	1,2-DCA-D4(S)	0.1869	0.2013	7.7	S	
4	I	Chlorobenzene-D5 (IS)	ISTD			I	
5	SL	Toluene-D8(S)	1.104	1.189	7.7	SL	1.3
6	SL	4-Bromofluorobenzene(S)	0.4508	0.4921	9.1	SL	0.45
7	I	1,4-Dichlorobenzene-D (IS)	ISTD			I	
8							
9							
10							
11							
12							
13							
14							
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16							
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37							
38							
39							
40							
		Average			8.6		

Quantitation Report (QT Reviewed)

Data File : M:\ZEUS\DATA\211206\1207Z31.D Vial: 31
Acq On : 08 Dec 21 03:07 Operator: MH
Sample : Ending CCV 300ug/L 12/7/21 Inst : Zeus
Misc : Multiplr: 1.00

Quant Time: Dec 8 11:10 2021 Quant Results File: ZGAS1206.RE

Quant Method : M:\ZEUS\DATA\211206\ZGAS1206.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Dec 07 12:37:53 2021
Response via : Initial Calibration
DataAcq Meth : 082421_Z8260.M

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.09	TIC	343870	25.00	ppb	0.00
3) Chlorobenzene-D5 (IS)	12.14	TIC	594422	25.00	ppb	0.00
4) 1,4-Dichlorobenzene-D (IS)	9.51	TIC	7097	25.00	ppb	0.00
System Monitoring Compounds						
Target Compounds						Qvalue
2) Gasoline C6-C10	7.98	TIC	7558404m	318.16	ppb	100

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

Quantitation Report (Not Reviewed)

Data File : M:\ZEUS\DATA\211206\1207Z31.D Vial: 31
Acq On : 08 Dec 21 03:07 Operator: MH
Sample : Ending CCV 300ug/L 12/7/21 Inst : Zeus
Misc : Multiplr: 1.00

Quant Time: Dec 8 12:30 2021 Quant Results File: Z1206SUR.RE

Quant Method : M:\ZEUS\DATA\211206\Z1206SUR.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Dec 07 12:53:13 2021
Response via : Initial Calibration
DataAcq Meth : 082421_Z8260.M

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.09	96	368479	25.00	ppb	0.00
4) Chlorobenzene-D5 (IS)	9.58	117	338733	25.00	ppb	0.00
7) 1,4-Dichlorobenzene-D (IS)	12.14	152	111192	25.00	ppb	0.00
System Monitoring Compounds						
2) Dibromofluoromethane(S)	5.23	111	89551	27.42	ppb	0.00
Spiked Amount 25.000			Recovery =	109.664%		
3) 1,2-DCA-D4(S)	5.65	65	74176	26.92	ppb	0.00
Spiked Amount 25.000			Recovery =	107.684%		
5) Toluene-D8(S)	7.98	98	402893	24.68	ppb	0.00
Spiked Amount 25.000			Recovery =	98.720%		
6) 4-Bromofluorobenzene(S)	10.88	95	166682	24.89	ppb	0.00
Spiked Amount 25.000			Recovery =	99.544%		

Target Compounds Qvalue

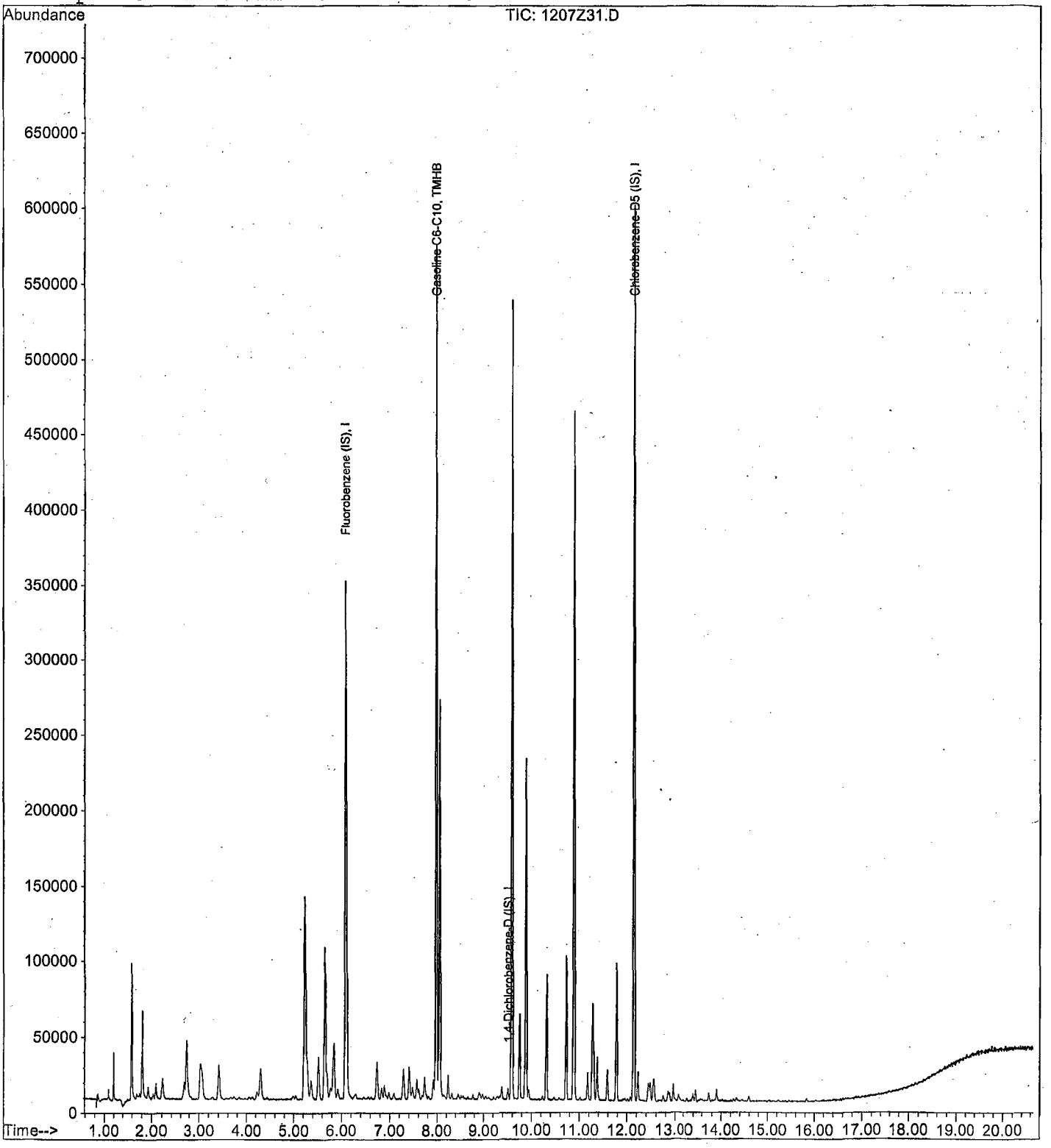
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\ZEUS\DATA\211206\1207Z31.D Vial: 31
Acq On : 08 Dec 21 03:07 Operator: MH
Sample : Ending CCV 300ug/L 12/7/21 Inst : Zeus
Misc : Multiplr: 1.00

Quant Time: Dec 8 11:10 2021 Quant Results File: ZGAS1206.RE

Method : M:\ZEUS\DATA\211206\ZGAS1206.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Dec 07 12:37:53 2021
Response via : Initial Calibration



ORGANICS
Raw Data

Quantitation Report (QT Reviewed)

Data File : M:\ZEUS\DATA\211206\1207Z09.D Vial: 9
Acq On : 07 Dec 21 18:19 Operator: MH
Sample : BA46970W02 Inst : Zeus
Misc : Multiplr: 1.00

Quant Time: Dec 8 11:53 2021 Quant Results File: ZGAS1206.RE

Quant Method : M:\ZEUS\DATA\211206\ZGAS1206.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Dec 07 12:37:53 2021
Response via : Initial Calibration
DataAcq Meth : 082421_Z8260.M

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	6.09	TIC	339845	25.00 ppb	0.00
3) Chlorobenzene-D5 (IS)	12.14	TIC	629755	25.00 ppb	0.00
4) 1,4-Dichlorobenzene-D (IS)	9.58	TIC	540354	25.00 ppb	0.08

System Monitoring Compounds

Target Compounds Qvalue

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

Quantitation Report (Not Reviewed)

Data File : M:\ZEUS\DATA\211206\1207Z09.D Vial: 9
Acq On : 07 Dec 21 18:19 Operator: MH
Sample : BA46970W02 Inst : Zeus
Misc : Multiplr: 1.00

Quant Time: Dec 8 12:30 2021 Quant Results File: Z1206SUR.RE

Quant Method : M:\ZEUS\DATA\211206\Z1206SUR.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Dec 07 12:53:13 2021
Response via : Initial Calibration
DataAcq Meth : 082421_Z8260.M

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.09	96	376893	25.00	ppb	0.00
4) Chlorobenzene-D5 (IS)	9.58	117	348788	25.00	ppb	0.00
7) 1,4-Dichlorobenzene-D (IS)	12.14	152	121008	25.00	ppb	0.00
System Monitoring Compounds						
2) Dibromofluoromethane(S)	5.23	111	96393	28.85	ppb	0.00
Spiked Amount 25.000			Recovery =	115.408%		
3) 1,2-DCA-D4(S)	5.66	65	80624	28.61	ppb	0.00
Spiked Amount 25.000			Recovery =	114.432%		
5) Toluene-D8(S)	7.98	98	426634	25.34	ppb	0.00
Spiked Amount 25.000			Recovery =	101.340%		
6) 4-Bromofluorobenzene(S)	10.88	95	175476	25.40	ppb	0.00
Spiked Amount 25.000			Recovery =	101.620%		

Target Compounds Qvalue

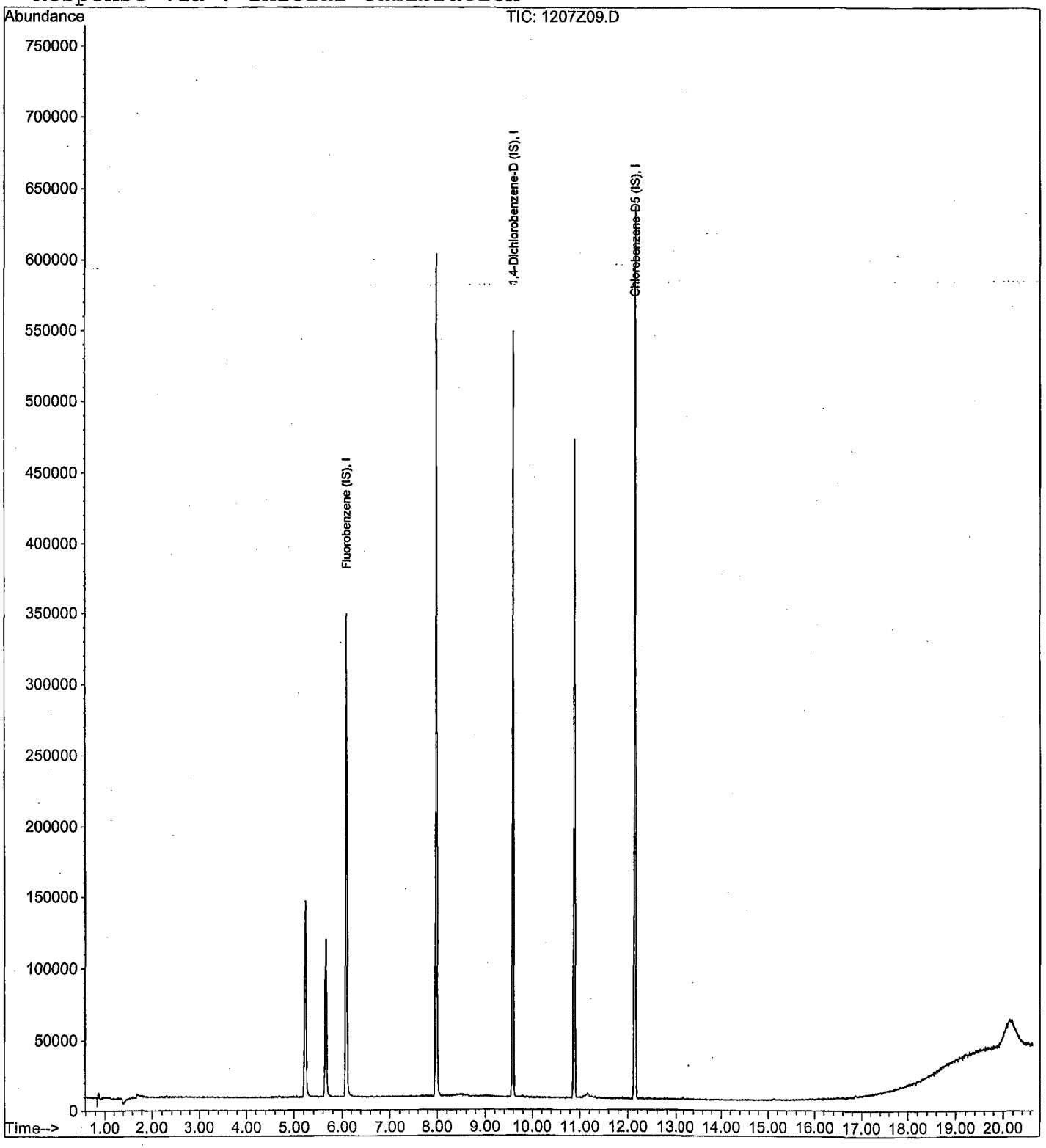
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\ZEUS\DATA\211206\1207Z09.D Vial: 9
Acq On : 07 Dec 21 18:19 Operator: MH
Sample : BA46970W02 Inst : Zeus
Misc : Multiplr: 1.00

Quant Time: Dec 8 11:53 2021 Quant Results File: ZGAS1206.RE

Method : M:\ZEUS\DATA\211206\ZGAS1206.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Dec 07 12:37:53 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\ZEUS\DATA\211206\1207Z10.D Vial: 10
Acq On : 07 Dec 21 18:43 Operator: MH
Sample : BA46971W02 Inst : Zeus
Misc : Multiplr: 1.00

Quant Time: Dec 8 11:53 2021 Quant Results File: ZGAS1206.RE

Quant Method : M:\ZEUS\DATA\211206\ZGAS1206.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Dec 07 12:37:53 2021
Response via : Initial Calibration
DataAcq Meth : 082421_Z8260.M

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	6.09	TIC	345892	25.00 ppb	0.00
3) Chlorobenzene-D5 (IS)	12.14	TIC	611430	25.00 ppb	0.00
4) 1,4-Dichlorobenzene-D (IS)	9.58	TIC	531190	25.00 ppb	0.08

System Monitoring Compounds

Target Compounds Qvalue

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

Quantitation Report (Not Reviewed)

Data File : M:\ZEUS\DATA\211206\1207Z10.D Vial: 10
Acq On : 07 Dec 21 18:43 Operator: MH
Sample : BA46971W02 Inst : Zeus
Misc : Multiplr: 1.00

Quant Time: Dec 8 12:30 2021 Quant Results File: Z1206SUR.RE

Quant Method : M:\ZEUS\DATA\211206\Z1206SUR.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Dec 07 12:53:13 2021
Response via : Initial Calibration
DataAcq Meth : 082421_Z8260.M

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.09	96	376406	25.00	ppb	0.00
4) Chlorobenzene-D5 (IS)	9.58	117	346739	25.00	ppb	0.00
7) 1,4-Dichlorobenzene-D (IS)	12.14	152	116280	25.00	ppb	0.00
System Monitoring Compounds						
2) Dibromofluoromethane(S)	5.23	111	94689	28.38	ppb	0.00
Spiked Amount 25.000			Recovery =	113.516%		
3) 1,2-DCA-D4(S)	5.65	65	80166	28.48	ppb	0.00
Spiked Amount 25.000			Recovery =	113.928%		
5) Toluene-D8(S)	7.98	98	415224	24.84	ppb	0.00
Spiked Amount 25.000			Recovery =	99.348%		
6) 4-Bromofluorobenzene(S)	10.88	95	172496	25.14	ppb	0.00
Spiked Amount 25.000			Recovery =	100.564%		

Target Compounds Qvalue

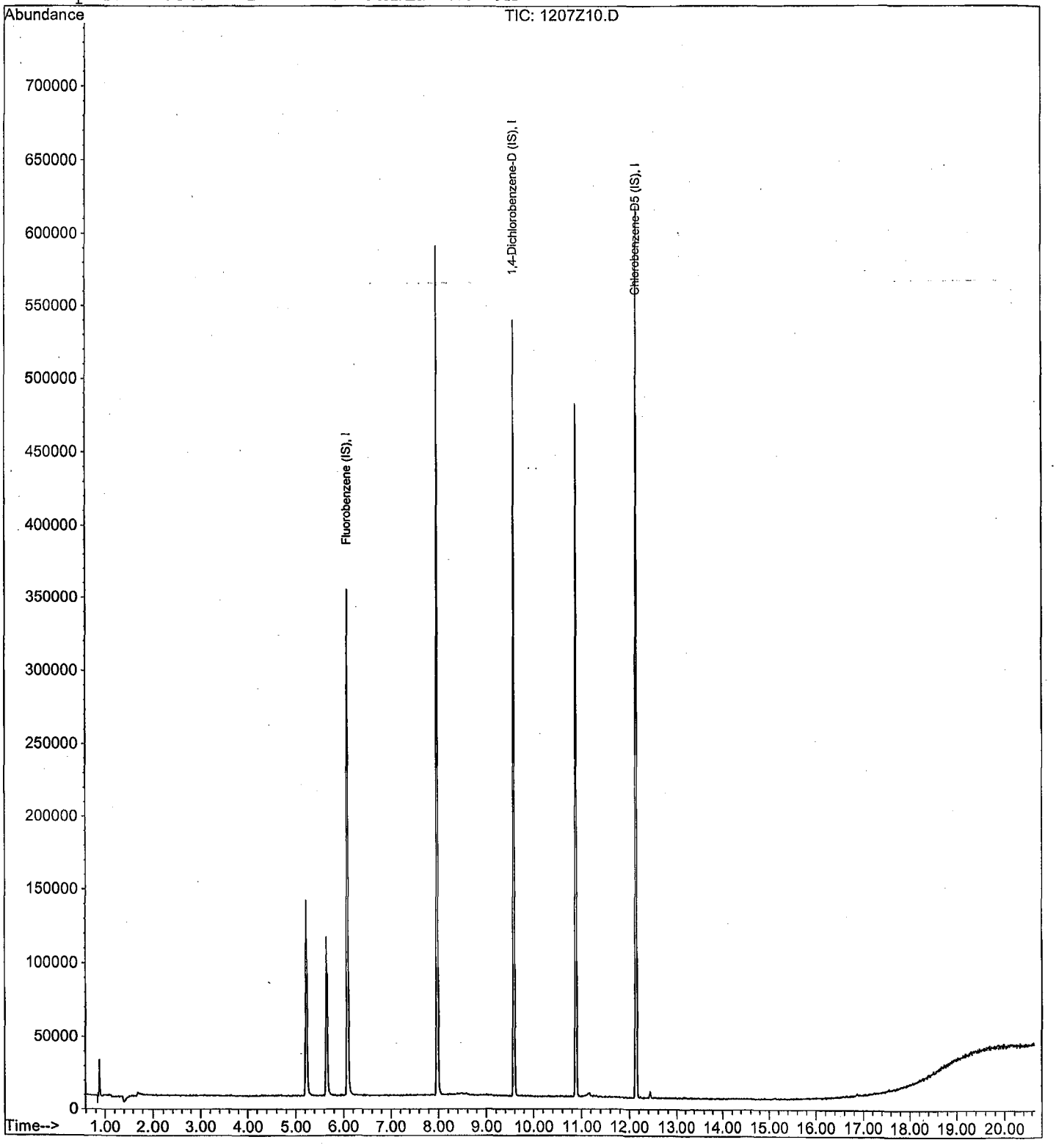
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\ZEUS\DATA\211206\1207Z10.D Vial: 10
Acq On : 07 Dec 21 18:43 Operator: MH
Sample : BA46971W02 Inst : Zeus
Misc : Multiplr: 1.00

Quant Time: Dec 8 11:53 2021 Quant Results File: ZGAS1206.RE

Method : M:\ZEUS\DATA\211206\ZGAS1206.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Dec 07 12:37:53 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\ZEUS\DATA\211206\1207Z11.D Vial: 11
Acq On : 07 Dec 21 19:07 Operator: MH
Sample : BA46972W03 Inst : Zeus
Misc : Multiplr: 1.00

Quant Time: Dec 8 11:54 2021 Quant Results File: ZGAS1206.RE

Quant Method : M:\ZEUS\DATA\211206\ZGAS1206.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Dec 07 12:37:53 2021
Response via : Initial Calibration
DataAcq Meth : 082421_Z8260.M

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	6.09	TIC	332083	25.00 ppb	0.00
3) Chlorobenzene-D5 (IS)	12.14	TIC	599095	25.00 ppb	0.00
4) 1,4-Dichlorobenzene-D (IS)	9.58	TIC	516393	25.00 ppb	0.08

System Monitoring Compounds

Target Compounds Qvalue

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

Quantitation Report (Not Reviewed)

Data File : M:\ZEUS\DATA\211206\1207Z11.D Vial: 11
Acq On : 07 Dec 21 19:07 Operator: MH
Sample : BA46972W03 Inst : Zeus
Misc : Multiplr: 1.00

Quant Time: Dec 8 12:30 2021 Quant Results File: Z1206SUR.RE

Quant Method : M:\ZEUS\DATA\211206\Z1206SUR.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Dec 07 12:53:13 2021
Response via : Initial Calibration
DataAcq Meth : 082421_Z8260.M

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.09	96	357512	25.00	ppb	0.00
4) Chlorobenzene-D5 (IS)	9.58	117	332531	25.00	ppb	0.00
7) 1,4-Dichlorobenzene-D (IS)	12.14	152	112552	25.00	ppb	0.00
System Monitoring Compounds						
2) Dibromofluoromethane(S)	5.23	111	91152	28.76	ppb	0.00
Spiked Amount 25.000			Recovery = 115.052%			
3) 1,2-DCA-D4(S)	5.66	65	76728	28.70	ppb	0.00
Spiked Amount 25.000			Recovery = 114.804%			
5) Toluene-D8(S)	7.98	98	400097	24.95	ppb	0.00
Spiked Amount 25.000			Recovery = 99.788%			
6) 4-Bromofluorobenzene(S)	10.89	95	164897	25.07	ppb	0.00
Spiked Amount 25.000			Recovery = 100.264%			

Target Compounds Qvalue

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

Quantitation Report

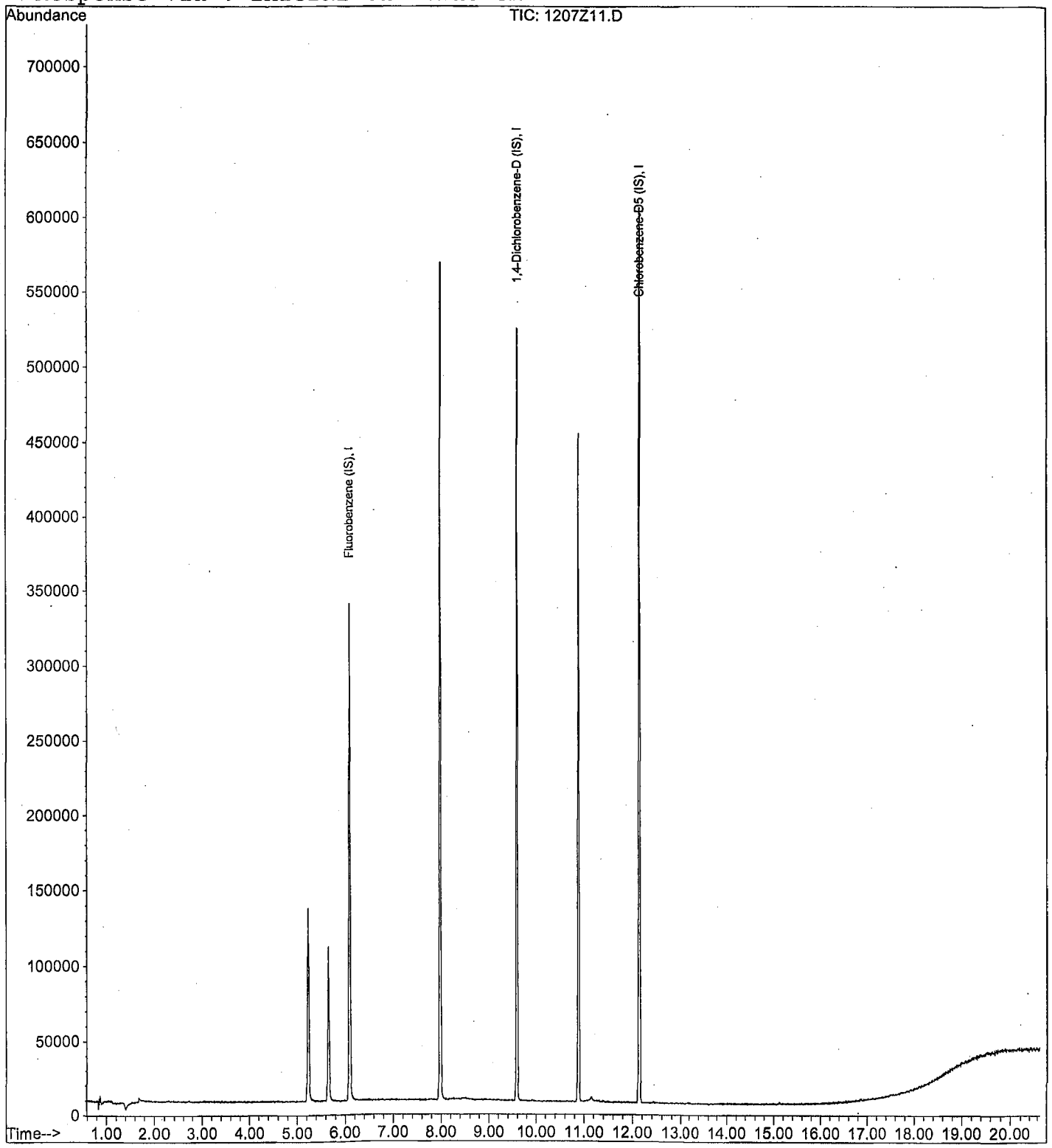
Data File : M:\ZEUS\DATA\211206\1207Z11.D
Acq On : 07 Dec 21 19:07
Sample : BA46972W03
Misc :

Vial: 11
Operator: MH
Inst : Zeus
Multiplr: 1.00

Quant Time: Dec 8 11:54 2021

Quant Results File: ZGAS1206.RE

Method : M:\ZEUS\DATA\211206\ZGAS1206.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Dec 07 12:37:53 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\ZEUS\DATA\211206\1207Z12.D Vial: 12
Acq On : 07 Dec 21 19:31 Operator: MH
Sample : BA46973W02 Inst : Zeus
Misc : Multiplr: 1.00

Quant Time: Dec 8 11:54 2021 Quant Results File: ZGAS1206.RE

Quant Method : M:\ZEUS\DATA\211206\ZGAS1206.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Dec 07 12:37:53 2021
Response via : Initial Calibration
DataAcq Meth : 082421_Z8260.M

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	6.09	TIC	322879	25.00 ppb	0.00
3) Chlorobenzene-D5 (IS)	12.14	TIC	585215	25.00 ppb	0.00
4) 1,4-Dichlorobenzene-D (IS)	9.58	TIC	506366	25.00 ppb	0.08

System Monitoring Compounds

Target Compounds Qvalue

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

Quantitation Report (Not Reviewed)

Data File : M:\ZEUS\DATA\211206\1207Z12.D Vial: 12
Acq On : 07 Dec 21 19:31 Operator: MH
Sample : BA46973W02 Inst : Zeus
Misc : Multiplr: 1.00

Quant Time: Dec 8 12:30 2021 Quant Results File: Z1206SUR.RE

Quant Method : M:\ZEUS\DATA\211206\Z1206SUR.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Dec 07 12:53:13 2021
Response via : Initial Calibration
DataAcq Meth : 082421_Z8260.M

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.09	96	350147	25.00	ppb	0.00
4) Chlorobenzene-D5 (IS)	9.58	117	326825	25.00	ppb	0.00
7) 1,4-Dichlorobenzene-D (IS)	12.14	152	110264	25.00	ppb	0.00
System Monitoring Compounds						
2) Dibromofluoromethane(S)	5.23	111	90712	29.23	ppb	0.00
Spiked Amount 25.000			Recovery =	116.904%		
3) 1,2-DCA-D4(S)	5.66	65	75133	28.70	ppb	0.00
Spiked Amount 25.000			Recovery =	114.784%		
5) Toluene-D8(S)	7.98	98	393628	24.97	ppb	0.00
Spiked Amount 25.000			Recovery =	99.884%		
6) 4-Bromofluorobenzene(S)	10.89	95	162483	25.13	ppb	0.00
Spiked Amount 25.000			Recovery =	100.500%		

Target Compounds Qvalue

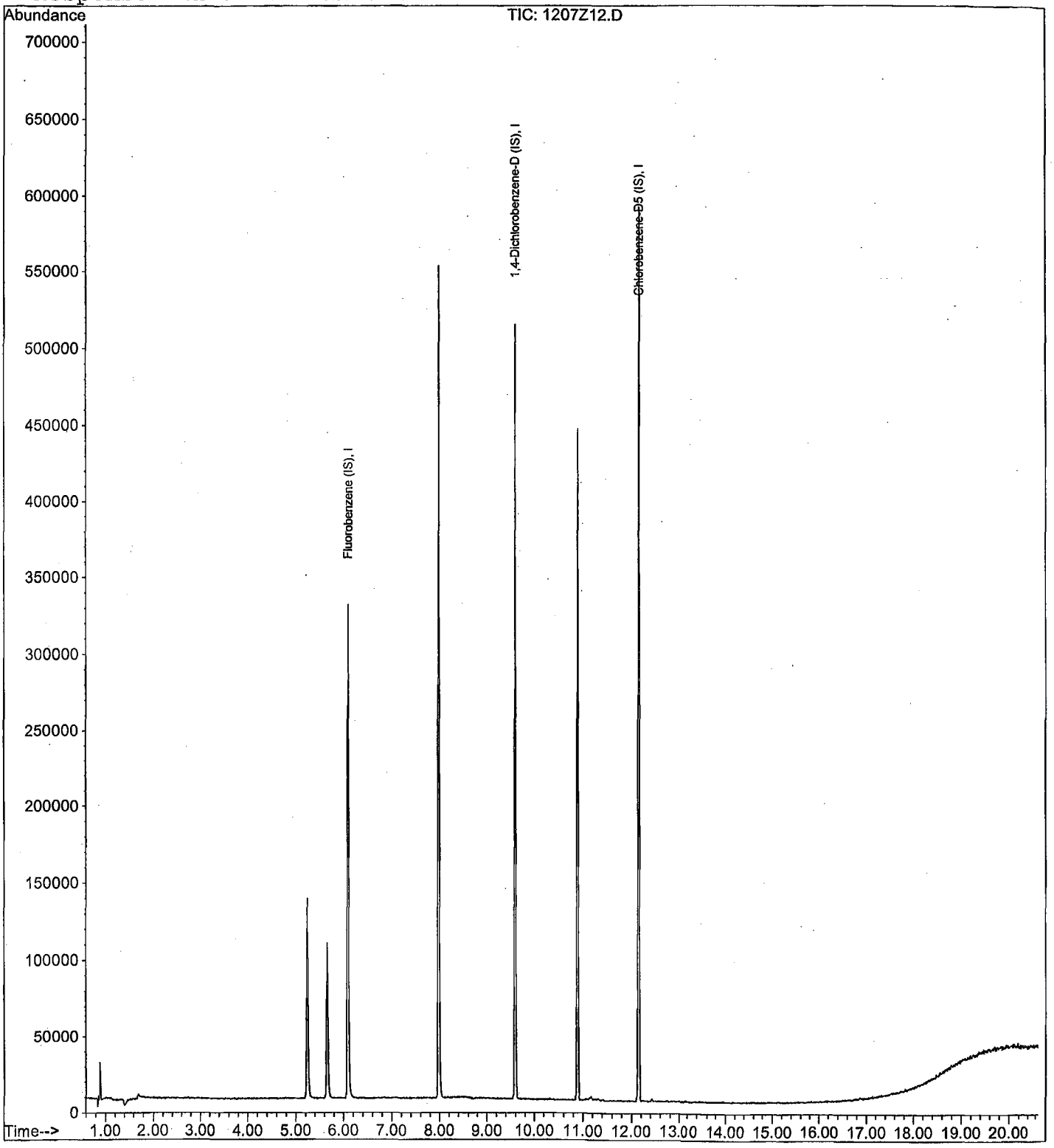
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\ZEUS\DATA\211206\1207Z12.D Vial: 12
Acq On : 07 Dec 21 19:31 Operator: MH
Sample : BA46973W02 Inst : Zeus
Misc : Multiplr: 1.00

Quant Time: Dec 8 11:54 2021 Quant Results File: ZGAS1206.RE

Method : M:\ZEUS\DATA\211206\ZGAS1206.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Dec 07 12:37:53 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\ZEUS\DATA\211206\1207Z13.D Vial: 13
Acq On : 07 Dec 21 19:55 Operator: MH
Sample : BA46974W02 Inst : Zeus
Misc : Multiplr: 1.00

Quant Time: Dec 8 11:54 2021 Quant Results File: ZGAS1206.RE

Quant Method : M:\ZEUS\DATA\211206\ZGAS1206.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Dec 07 12:37:53 2021
Response via : Initial Calibration
DataAcq Meth : 082421_Z8260.M

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.09	TIC	315200	25.00	ppb	0.00
3) Chlorobenzene-D5 (IS)	12.14	TIC	580782	25.00	ppb	0.00
4) 1,4-Dichlorobenzene-D (IS)	9.58	TIC	511662	25.00	ppb	0.08

System Monitoring Compounds

Target Compounds Qvalue

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

Quantitation Report (Not Reviewed)

Data File : M:\ZEUS\DATA\211206\1207Z13.D Vial: 13
Acq On : 07 Dec 21 19:55 Operator: MH
Sample : BA46974W02 Inst : Zeus
Misc : Multiplr: 1.00

Quant Time: Dec 8 12:30 2021 Quant Results File: Z1206SUR.RE

Quant Method : M:\ZEUS\DATA\211206\Z1206SUR.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Dec 07 12:53:13 2021
Response via : Initial Calibration
DataAcq Meth : 082421_Z8260.M

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.09	96	343241	25.00	ppb	0.00
4) Chlorobenzene-D5 (IS)	9.58	117	321223	25.00	ppb	0.00
7) 1,4-Dichlorobenzene-D (IS)	12.14	152	110272	25.00	ppb	0.00
System Monitoring Compounds						
2) Dibromofluoromethane(S)	5.23	111	89717	29.49	ppb	0.00
Spiked Amount 25.000			Recovery =	117.948%		
3) 1,2-DCA-D4(S)	5.65	65	74370	28.98	ppb	0.00
Spiked Amount 25.000			Recovery =	115.904%		
5) Toluene-D8(S)	7.98	98	391484	25.25	ppb	0.00
Spiked Amount 25.000			Recovery =	100.996%		
6) 4-Bromofluorobenzene(S)	10.88	95	161904	25.45	ppb	0.00
Spiked Amount 25.000			Recovery =	101.792%		

Target Compounds Qvalue

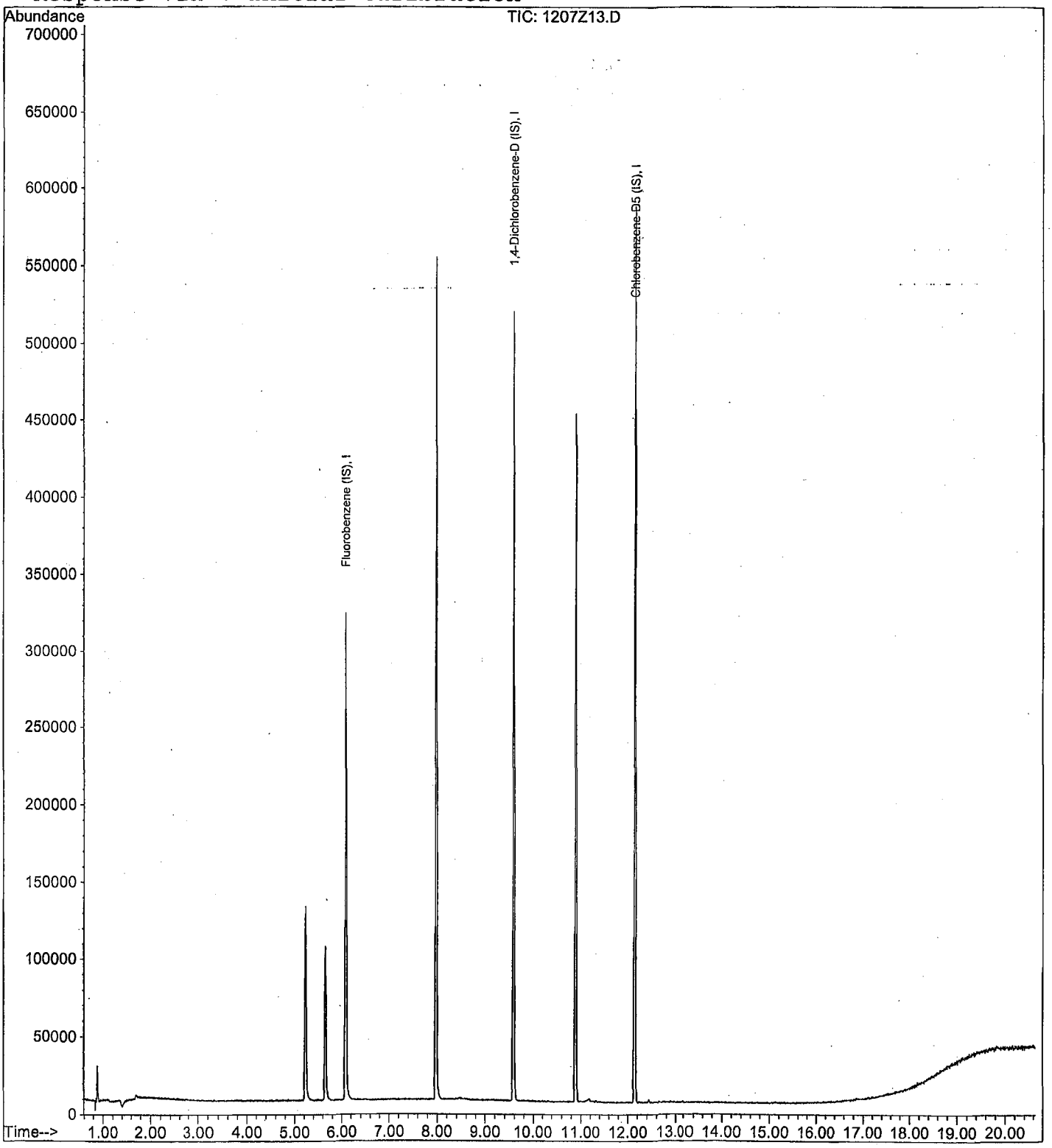
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\ZEUS\DATA\211206\1207Z13.D Vial: 13
Acq On : 07 Dec 21 19:55 Operator: MH
Sample : BA46974W02 Inst : Zeus
Misc : Multiplr: 1.00

Quant Time: Dec 8 11:54 2021 Quant Results File: ZGAS1206.RE

Method : M:\ZEUS\DATA\211206\ZGAS1206.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Dec 07 12:37:53 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\ZEUS\DATA\211206\1207Z08.D Vial: 8
Acq On : 07 Dec 21 17:55 Operator: MH
Sample : 211207A BLK Inst : Zeus
Misc : Multiplr: 1.00

Quant Time: Dec 8 11:10 2021 Quant Results File: ZGAS1206.RE

Quant Method : M:\ZEUS\DATA\211206\ZGAS1206.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Dec 07 12:37:53 2021
Response via : Initial Calibration
DataAcq Meth : 082421_Z8260.M

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.09	TIC	349530	25.00	ppb	0.00
3) Chlorobenzene-D5 (IS)	12.14	TIC	623528	25.00	ppb	0.00
4) 1,4-Dichlorobenzene-D (IS)	9.58	TIC	540290	25.00	ppb	0.08

System Monitoring Compounds

Target Compounds Qvalue

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

Quantitation Report (Not Reviewed)

Data File : M:\ZEUS\DATA\211206\1207Z08.D Vial: 8
Acq On : 07 Dec 21 17:55 Operator: MH
Sample : 211207A BLK Inst : Zeus
Misc : Multiplr: 1.00

Quant Time: Dec 8 12:30 2021 Quant Results File: Z1206SUR.RES

Quant Method : M:\ZEUS\DATA\211206\Z1206SUR.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Dec 07 12:53:13 2021
Response via : Initial Calibration
DataAcq Meth : 082421_Z8260.M

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.09	96	384177	25.00	ppb	0.00
4) Chlorobenzene-D5 (IS)	9.58	117	351591	25.00	ppb	0.00
7) 1,4-Dichlorobenzene-D (IS)	12.14	152	118712	25.00	ppb	0.00
System Monitoring Compounds						
2) Dibromofluoromethane(S)	5.23	111	95522	28.05	ppb	0.00
Spiked Amount 25.000			Recovery = 112.200%			
3) 1,2-DCA-D4(S)	5.65	65	80692	28.09	ppb	0.00
Spiked Amount 25.000			Recovery = 112.356%			
5) Toluene-D8(S)	7.98	98	424721	25.04	ppb	0.00
Spiked Amount 25.000			Recovery = 100.164%			
6) 4-Bromofluorobenzene(S)	10.88	95	176479	25.35	ppb	0.00
Spiked Amount 25.000			Recovery = 101.400%			

Target Compounds Qvalue

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

Quantitation Report

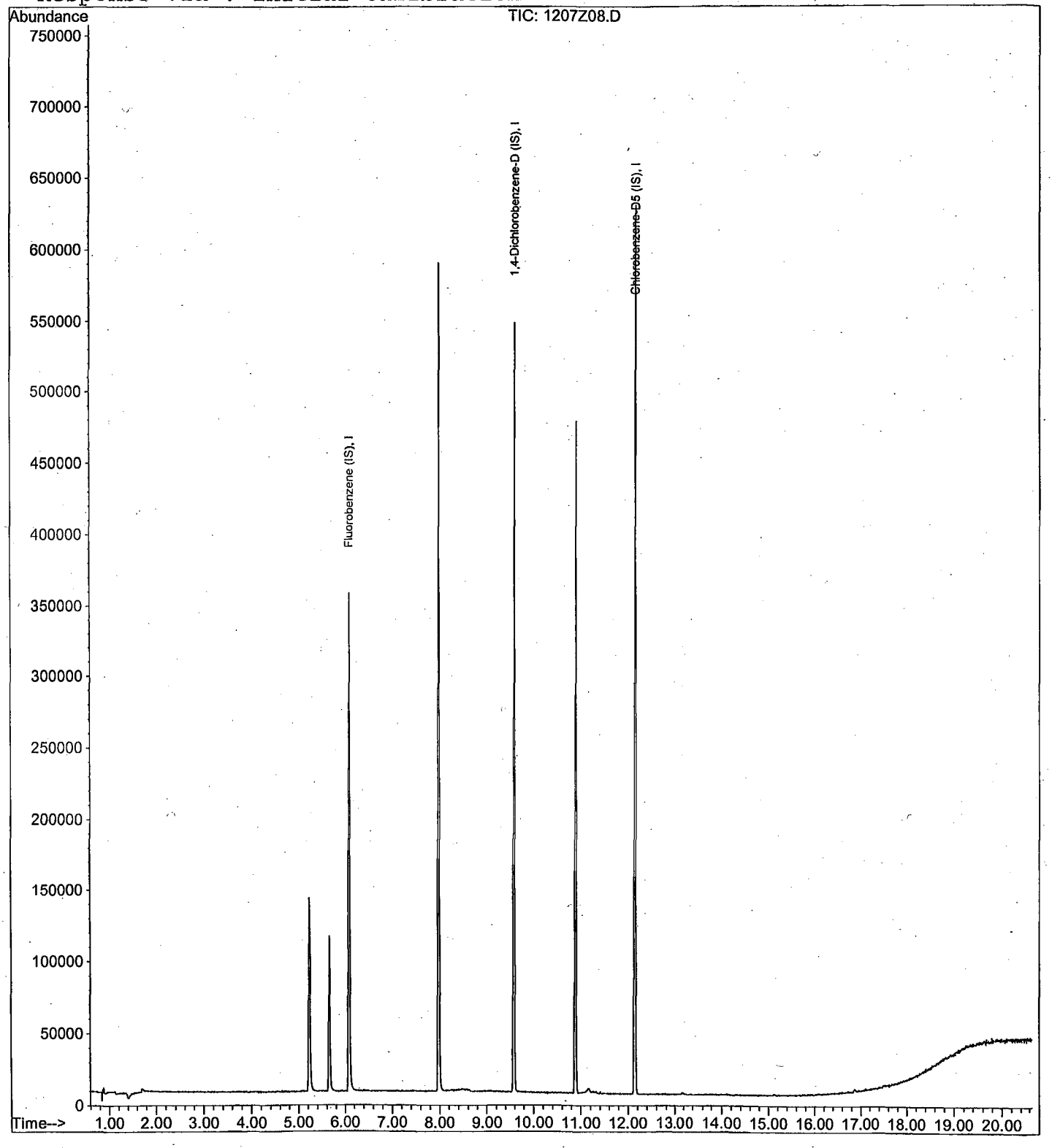
Data File : M:\ZEUS\DATA\211206\1207Z08.D
Acq On : 07 Dec 21 17:55
Sample : 211207A BLK
Misc :

Vial: 8
Operator: MH
Inst : Zeus
Multiplr: 1.00

Quant Time: Dec 8 11:10 2021

Quant Results File: ZGAS1206.RE

Method : M:\ZEUS\DATA\211206\ZGAS1206.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Dec 07 12:37:53 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\ZEUS\DATA\211206\1207Z06.D Vial: 6
Acq On : 07 Dec 21 17:07 Operator: MH
Sample : 211207A LCS 300ug/L Inst : Zeus
Misc : Multiplr: 1.00

Quant Time: Dec 8 11:12 2021 Quant Results File: ZGAS1206.RE

Quant Method : M:\ZEUS\DATA\211206\ZGAS1206.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Dec 07 12:37:53 2021
Response via : Initial Calibration
DataAcq Meth : 082421_Z8260.M

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.09	TIC	374048	25.00	ppb	0.00
3) Chlorobenzene-D5 (IS)	12.14	TIC	623740	25.00	ppb	0.00
4) 1,4-Dichlorobenzene-D (IS)	9.51	TIC	9626	25.00	ppb	0.00
System Monitoring Compounds						
Target Compounds						Qvalue
2) Gasoline C6-C10	7.98	TIC	7971092m	295.05	ppb	100

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

Quantitation Report (Not Reviewed)

Data File : M:\ZEUS\DATA\211206\1207Z06.D Vial: 6
Acq On : 07 Dec 21 17:07 Operator: MH
Sample : 211207A LCS 300ug/L Inst : Zeus
Misc : Multiplr: 1.00

Quant Time: Dec 8 12:30 2021 Quant Results File: Z1206SUR.RE

Quant Method : M:\ZEUS\DATA\211206\Z1206SUR.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Dec 07 12:53:13 2021
Response via : Initial Calibration
DataAcq Meth : 082421_Z8260.M

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.09	96	401543	25.00	ppb	0.00
4) Chlorobenzene-D5 (IS)	9.58	117	360119	25.00	ppb	0.00
7) 1,4-Dichlorobenzene-D (IS)	12.14	152	118408	25.00	ppb	0.00
System Monitoring Compounds						
2) Dibromofluoromethane(S)	5.23	111	96703	27.17	ppb	0.00
Spiked Amount 25.000			Recovery =	108.672%		
3) 1,2-DCA-D4(S)	5.65	65	83452	27.79	ppb	0.00
Spiked Amount 25.000			Recovery =	111.176%		
5) Toluene-D8(S)	7.98	98	440076	25.31	ppb	0.00
Spiked Amount 25.000			Recovery =	101.252%		
6) 4-Bromofluorobenzene(S)	10.88	95	180761	25.35	ppb	0.00
Spiked Amount 25.000			Recovery =	101.404%		

Target Compounds Qvalue

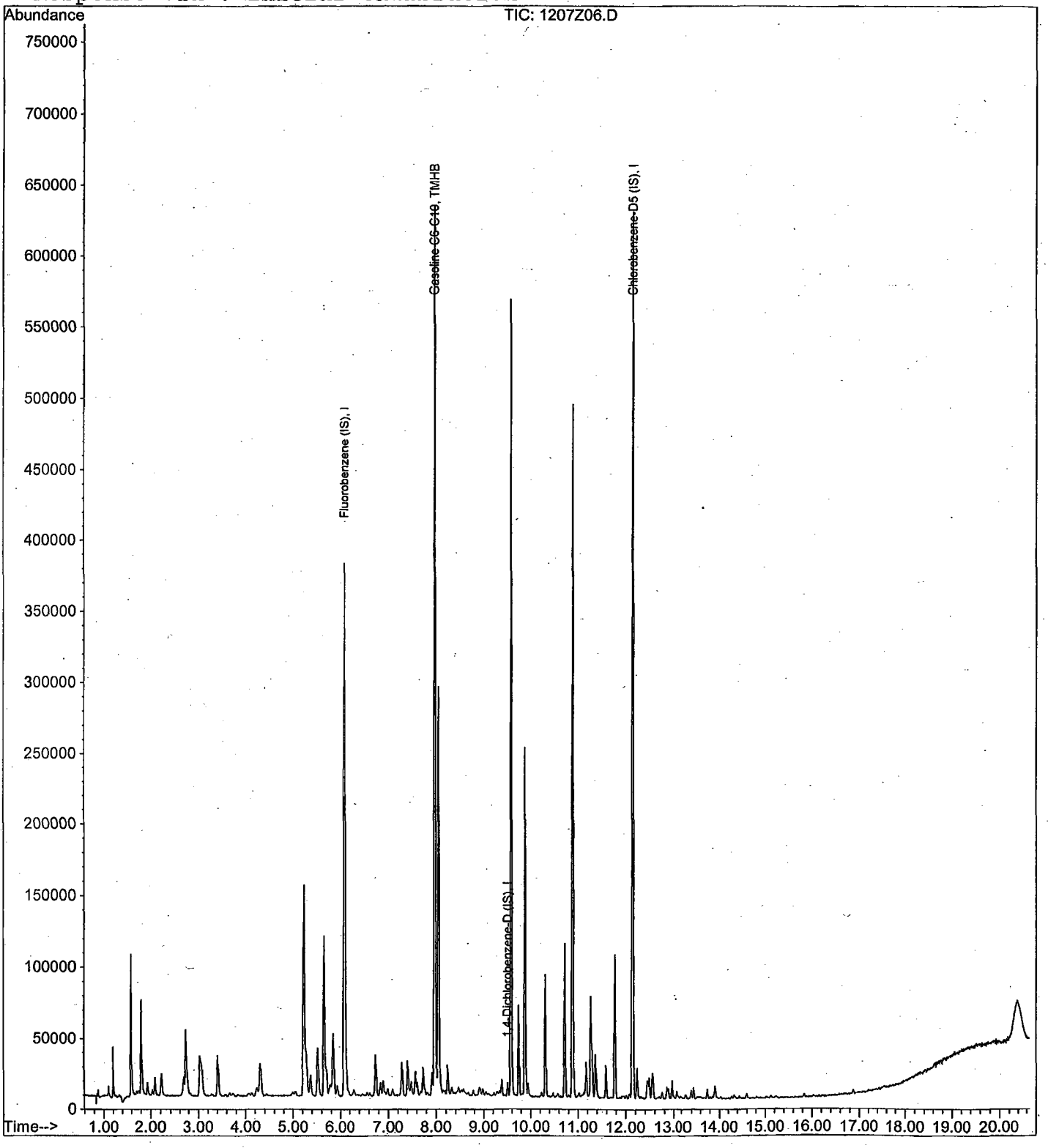
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\ZEUS\DATA\211206\1207Z06.D Vial: 6
Acq On : 07 Dec 21 17:07 Operator: MH
Sample : 211207A LCS 300ug/L Inst : Zeus
Misc : Multiplr: 1.00

Quant Time: Dec 8 11:12 2021 Quant Results File: ZGAS1206.RE

Method : M:\ZEUS\DATA\211206\ZGAS1206.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Dec 07 12:37:53 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\ZEUS\DATA\211206\1207Z07.D Vial: 7
Acq On : 07 Dec 21 17:31 Operator: MH
Sample : 211207A LCSD 300ug/L Inst : Zeus
Misc : Multiplr: 1.00

Quant Time: Dec 8 11:12 2021 Quant Results File: ZGAS1206.RE

Quant Method : M:\ZEUS\DATA\211206\ZGAS1206.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Dec 07 12:37:53 2021
Response via : Initial Calibration
DataAcq Meth : 082421_Z8260.M

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.09	TIC	363812	25.00	ppb	0.00
3) Chlorobenzene-D5 (IS)	12.14	TIC	619178	25.00	ppb	0.00
4) 1,4-Dichlorobenzene-D (IS)	9.51	TIC	9420	25.00	ppb	0.00
System Monitoring Compounds						
Target Compounds						Qvalue
2) Gasoline C6-C10	7.98	TIC	7829854m	302.34	ppb	100

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

Quantitation Report (Not Reviewed)

Data File : M:\ZEUS\DATA\211206\1207Z07.D Vial: 7
Acq On : 07 Dec 21 17:31 Operator: MH
Sample : 211207A LCSD 300ug/L Inst : Zeus
Misc : Multiplr: 1.00

Quant Time: Dec 8 12:30 2021 Quant Results File: Z1206SUR.RE

Quant Method : M:\ZEUS\DATA\211206\Z1206SUR.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Dec 07 12:53:13 2021
Response via : Initial Calibration
DataAcq Meth : 082421_Z8260.M

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.09	96	393678	25.00	ppb	0.00
4) Chlorobenzene-D5 (IS)	9.58	117	351479	25.00	ppb	0.00
7) 1,4-Dichlorobenzene-D (IS)	12.15	152	117352	25.00	ppb	0.00
System Monitoring Compounds						
2) Dibromofluoromethane(S)	5.23	111	94460	27.07	ppb	0.00
Spiked Amount 25.000			Recovery = 108.272%			
3) 1,2-DCA-D4(S)	5.65	65	81302	27.62	ppb	0.00
Spiked Amount 25.000			Recovery = 110.472%			
5) Toluene-D8(S)	7.98	98	430165	25.35	ppb	0.00
Spiked Amount 25.000			Recovery = 101.396%			
6) 4-Bromofluorobenzene(S)	10.89	95	176969	25.42	ppb	0.00
Spiked Amount 25.000			Recovery = 101.692%			

Target Compounds Qvalue

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

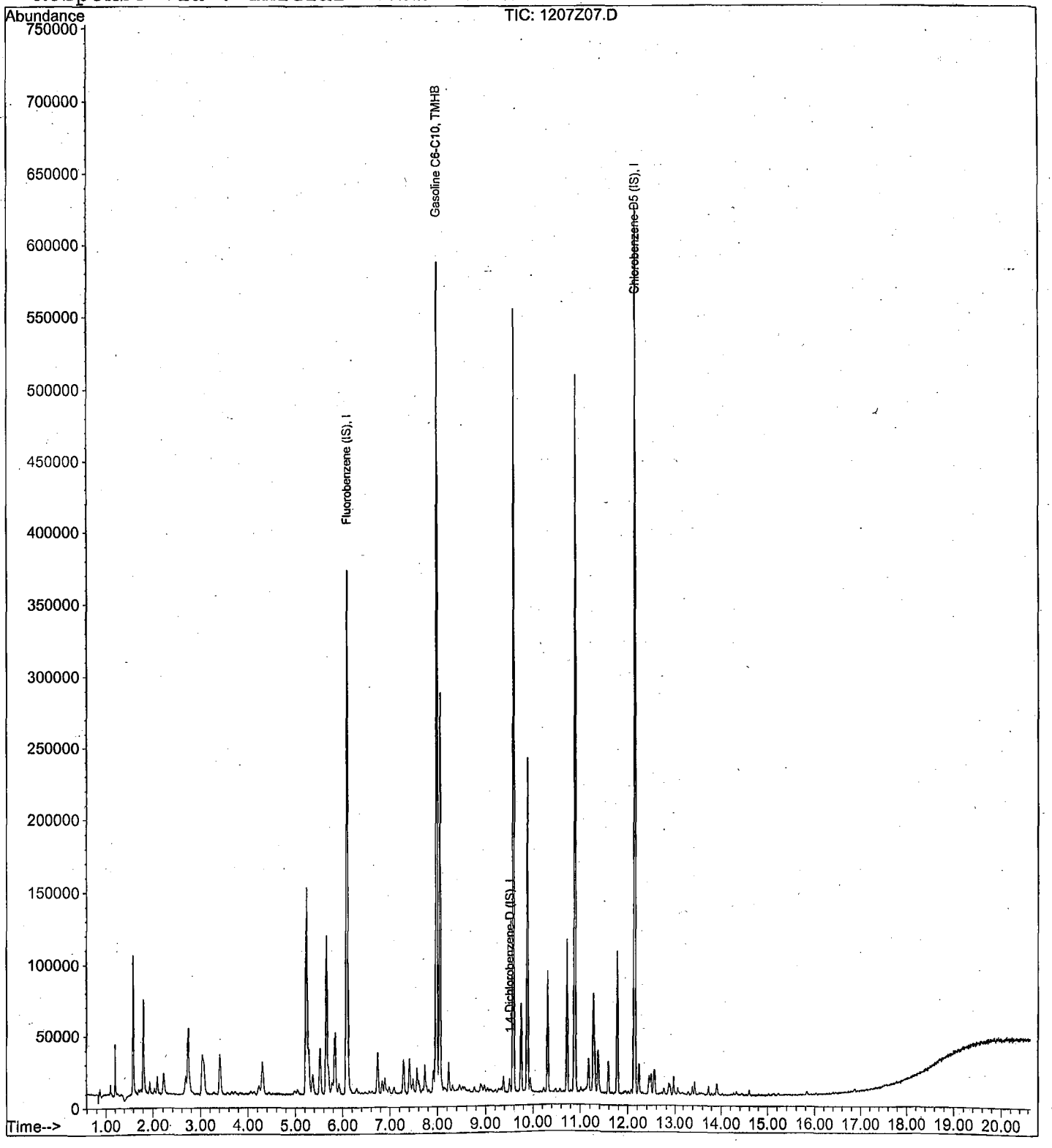
Quantitation Report

Data File : M:\ZEUS\DATA\211206\1207Z07.D
Acq On : 07 Dec 21 17:31
Sample : 211207A LCSD 300ug/L
Misc :

Vial: 7
Operator: MH
Inst : Zeus
Multiplr: 1.00

Quant Time: Dec 8 11:12 2021 Quant Results File: ZGAS1206.RE

Method : M:\ZEUS\DATA\211206\ZGAS1206.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Dec 07 12:37:53 2021
Response via : Initial Calibration



ZEUS 8260 Standard Prep

ZEUS 8260 Water Calibration Curve

0.3ug/L

Prepared By (Initials): CH

Prepared: 12/6/2021

Expires: 12/15/2021

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 11/29/21	1/28/2022	N/A	3uL	50mL	P&T Water	0.3
VOA STD. 1	Absolute		50	Prepared 11/29/21	1/28/2022	N/A	5uL			5
VOA STD. 2	Phenova		100	Prepared 11/29/21	1/28/2022	N/A	2.5uL			5
VOA STD. TBA	Various		250	Prepared 11/29/21	12/15/2021	N/A	2uL			10

0.5ug/L

Prepared: 12/6/2021

Expires: 12/15/2021

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 11/29/21	1/28/2022	N/A	5uL	50mL	P&T Water	0.5
VOA STD. 1	Absolute		50	Prepared 11/29/21	1/28/2022	N/A	10uL			10
VOA STD. 2	Phenova		100	Prepared 11/29/21	1/28/2022	N/A	5uL			10
VOA STD. TBA	Various		250	Prepared 11/29/21	12/15/2021	N/A	5uL			25

1.0ug/L

Prepared: 12/6/2021

Expires: 12/15/2021

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 11/29/21	1/28/2022	N/A	10uL	50mL	P&T Water	1
VOA STD. 1	Absolute		50	Prepared 11/29/21	1/28/2022	N/A	20uL			20
VOA STD. 2	Phenova		100	Prepared 11/29/21	1/28/2022	N/A	10uL			20
VOA STD. TBA	Various		250	Prepared 11/29/21	12/15/2021	N/A	10uL			50

2.0ug/L

Prepared: 12/6/2021

Expires: 12/15/2021

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 11/29/21	1/28/2022	N/A	20uL	50mL	P&T Water	2
VOA STD. 1	Absolute		50	Prepared 11/29/21	1/28/2022	N/A	30uL			30
VOA STD. 2	Phenova		100	Prepared 11/29/21	1/28/2022	N/A	15uL			30
VOA STD. TBA	Various		250	Prepared 11/29/21	12/15/2021	N/A	15uL			75

5ug/L

Prepared: 12/6/2021

Expires: 12/15/2021

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 11/29/21	1/28/2022	N/A	5uL	50mL	P&T Water	5
VOA STD. 8	Phenova		50	Prepared 11/29/21	12/15/2021	N/A	5uL			5
VOA STD. 1	Absolute		50	Prepared 11/29/21	1/28/2022	N/A	40uL			40
VOA STD. 2	Phenova		100	Prepared 11/29/21	1/28/2022	N/A	20uL			20
VOA STD. TBA	Various		250	Prepared 11/29/21	12/15/2021	N/A	20uL			100

10ug/L

Prepared: 12/6/2021

Expires: 12/15/2021

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 11/29/21	1/28/2022	N/A	10uL	50mL	P&T Water	10
VOA STD. 8	Phenova		50	Prepared 11/29/21	12/15/2021	N/A	10uL			10
VOA STD. 1	Absolute		50	Prepared 11/29/21	1/28/2022	N/A	50uL			50
VOA STD. 2	Phenova		100	Prepared 11/29/21	1/28/2022	N/A	25uL			50
VOA STD. TBA	Various		250	Prepared 11/29/21	12/15/2021	N/A	25uL			125

20ug/L

Prepared: 12/6/2021

Expires: 12/15/2021

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 11/29/21	1/28/2022	N/A	20uL	50mL	P&T Water	20
VOA STD. 8	Phenova		50	Prepared 11/29/21	12/15/2021	N/A	20uL			20
VOA STD. 1	Absolute		50	Prepared 11/29/21	1/28/2022	N/A	60uL			60
VOA STD. 2	Phenova		100	Prepared 11/29/21	1/28/2022	N/A	30uL			60
VOA STD. TBA	Various		250	Prepared 11/29/21	12/15/2021	N/A	30uL			150

40ug/L

Prepared: 12/6/2021

Expires: 12/15/2021

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 11/29/21	1/28/2022	N/A	40uL	50mL	P&T Water	40
VOA STD. 8	Phenova		50	Prepared 11/29/21	12/15/2021	N/A	40uL			40
VOA STD. 1	Absolute		50	Prepared 11/29/21	1/28/2022	N/A	80uL			80
VOA STD. 2	Phenova		100	Prepared 11/29/21	1/28/2022	N/A	40uL			80
VOA STD. TBA	Various		250	Prepared 11/29/21	12/15/2021	N/A	35uL			175

100ug/L

Prepared: 12/6/2021

Expires: 12/15/2021

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 11/29/21	1/28/2022	N/A	100uL	50mL	P&T Water	100
VOA STD. 8	Phenova		50	Prepared 11/29/21	12/15/2021	N/A	100uL			100
VOA STD. 1	Absolute		50	Prepared 11/29/21	1/28/2022	N/A	100uL			100
VOA STD. 2	Phenova		100	Prepared 11/29/21	1/28/2022	N/A	50uL			100
VOA STD. TBA	Various		250	Prepared 11/29/21	12/15/2021	N/A	40uL			200

ZEUS 8260 Water Second Source (SS)

Prepared: 12/6/2021

Prepared By (Initials): CH

Expires: 12/15/2021

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 11/29/21	1/28/2022	N/A	25uL	50mL	P&T Water	50
VOA STD. GASES	Phenova	8260 Water SS	50	Prepared 11/29/21	1/28/2022	N/A	10uL			10
VOA STD. 0	Phenova	8260 Water SS	50	Prepared 11/29/21	1/28/2022	N/A	10uL			10
VOA STD. 2-CEVE	Absolute	8260 Water SS	50	Prepared 11/29/21	11/29/2021	N/A	50uL			50
VOA STD. 6	Various	8260 Water SS	50	Prepared 11/29/21	12/15/2021	N/A	10uL			10
Voa STD. TBA	Various	8260 Water SS	250	Prepared 11/29/21	12/15/2021	N/A	25uL			250

8260 Water Continuing Calibrations (CCV)/ Lab Control Spikes (LCS)

Prepared: 12/6/2021

Prepared By (Initials): CH

Expires: 12/7/2021

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 11/29/21	1/28/2022	N/A	10uL	50mL	P&T Water	10
VOA STD. 8	Phenova	CCV/ LCS	50	Prepared 11/29/21	12/15/2021	N/A	10uL			10
VOA STD. 1	Absolute	CCV/ LCS	50	Prepared 11/29/21	1/28/2022	N/A	50uL			50
VOA STD. 2	Phenova	CCV/ LCS	100	Prepared 11/29/21	1/28/2022	N/A	25uL			50
VOA STD. TBA	Various	CCV/ LCS	250	Prepared 11/29/21	12/15/2021	N/A	25uL			250

ZEUS Gas Standard Prep

Gas Primary Working Standard

Prepared: 12/6/2021 — **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

LOKI Gas Calibration Curve

Prepared: 12/6/2021 — **Prepared By (Initials):** CH

Expires: 2/4/2022

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 12/06/21	1/4/2022	N/A	1uL	100mL	P&T Water	20
VOA Gasses Standards	Phenova	50ug/L	2,000	Prepared 12/06/21	1/4/2022	N/A	2.5uL	100mL	P&T Water	50
VOA Gasses Standards	Phenova	100ug/L	2,000	Prepared 12/06/21	1/4/2022	N/A	5uL	100mL	P&T Water	100
VOA Gasses Standards	Phenova	300ug/L	2,000	Prepared 12/06/21	1/4/2022	N/A	15uL	100mL	P&T Water	300
VOA Gasses Standards	Phenova	600ug/L	2,000	Prepared 12/06/21	1/4/2022	N/A	30uL	100mL	P&T Water	600
VOA Gasses Standards	Phenova	800ug/L	2,000	Prepared 12/06/21	1/4/2022	N/A	40uL	100mL	P&T Water	800
VOA Gasses Standards	Phenova	1,000ug/L	2,000	Prepared 12/06/21	1/4/2022	N/A	50uL	100mL	P&T Water	1,000

Zeus Gas Second Source

Prepared: 12/6/2021 — **Prepared By (Initials):** CH

Expires: 2/4/2022

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

ZEUS Gas Continuing Calibrations/Lab Control Spikes

Prepared: 12/6/2021 — **Prepared By (Initials):** CH

Expires: 12/7/2021

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 12/06/21	1/4/2022	N/A	15uL	100mL	P&T Water	300

Injection Log

Directory: M:\ZEUS\DATA\211206\

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	2	1206Z17.D	1	0.3ug/L VOC STD 12/6/21		06 Dec 21 15:48
2	3	1206Z18.D	1	0.5ug/L VOC STD 12/6/21		06 Dec 21 16:12
3	4	1206Z19.D	1	1ug/L VOC STD 12/6/21		06 Dec 21 16:36
4	5	1206Z20.D	1	2ug/L VOC STD 12/6/21		06 Dec 21 17:00
5	6	1206Z21.D	1	5ug/L VOC STD 12/6/21		06 Dec 21 17:24
6	7	1206Z22.D	1	10ug/L VOC STD 12/6/21		06 Dec 21 17:48
7	8	1206Z23.D	1	20ug/L VOC STD 12/6/21		06 Dec 21 18:12
8	9	1206Z24.D	1	40ug/L VOC STD 12/6/21		06 Dec 21 18:36
9	10	1206Z25.D	1	100ug/L VOC STD 12/6/21		06 Dec 21 19:00
10	21	1206Z36.D	1	20ug/L GAS STD 12/6/21		06 Dec 21 23:24
11	22	1206Z37.D	1	50ug/L GAS STD 12/6/21		06 Dec 21 23:48
12	23	1206Z38.D	1	100ug/L GAS STD 12/6/21		07 Dec 21 00:12
13	24	1206Z39.D	1	300ug/L GAS STD 12/6/21		07 Dec 21 00:37
14	25	1206Z40.D	1	600ug/L GAS STD 12/6/21		07 Dec 21 01:01
15	26	1206Z41.D	1	800ug/L GAS STD 12/6/21		07 Dec 21 01:25
16	27	1206Z42.D	1	1000ug/L GAS STD 12/6/21		07 Dec 21 01:49
17	28	1206Z43.D	1	(SS) 300ug/L GAS STD 12/6/21		07 Dec 21 02:13

Injection Log

Directory: M:\ZEUS\DATA\211206\

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	5	1207Z05.D	1	211207A CCV 300ug/L		07 Dec 21 16:43
2	6	1207Z06.D	1	211207A LCS 300ug/L		07 Dec 21 17:07
3	7	1207Z07.D	1	211207A LCSD 300ug/L		07 Dec 21 17:31
4	8	1207Z08.D	1	211207A BLK		07 Dec 21 17:55
5	9	1207Z09.D	1	BA46970W02		07 Dec 21 18:19
6	10	1207Z10.D	1	BA46971W02		07 Dec 21 18:43
7	11	1207Z11.D	1	BA46972W03		07 Dec 21 19:07
8	12	1207Z12.D	1	BA46973W02		07 Dec 21 19:31
9	13	1207Z13.D	1	BA46974W02		07 Dec 21 19:55
10	31	1207Z31.D	1	Ending CCV 300ug/L 12/7/21		08 Dec 21 03:07

INORGANIC ANALYSIS
Calibration and Raw Data

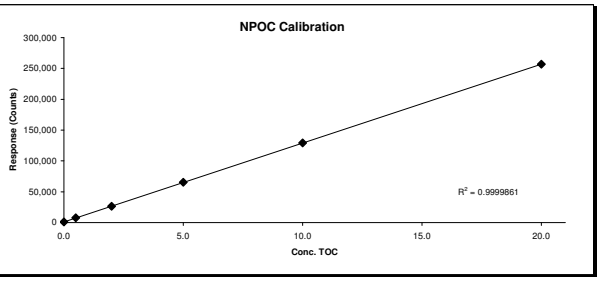
TOTAL ORGANIC CARBON

Method: WetChem | Units mg/L | Instrument: Tic Toc

Analyte: TOC | QCG: 211129A

Analyist: EA | Final Volume: 40mL

Date	Time	Appl ID	[TOC]	Raw	% Recovery
11/27/2021	13:37	QC blank	0.00	872	
11/27/2021	16:18	Ical 1	0.50	7728	
11/27/2021	16:58	Ical 2	2.00	26223	
11/27/2021	17:38	Ical 3	5.00	65575	
11/27/2021	18:19	Ical 4	10.00	129337	
11/27/2021	19:00	Ical 5	20.00	256854	
11/27/2021	19:41	ICB	0.05	1142	
11/27/2021	20:21	ICV	9.90	127224	99.0%



Date	Time	Appl ID	DF	Raw Result	SubSample Amount	Filter Blank Subtract	Calc Conc	Result	Range (mg/L)	QC True	% Recovery
2021-11-29	03:12 PM	CCB Prime	1	945	40mL	0.000	0	0.00	0.00		
2021-11-29	03:53 PM	QCB	1	845	40mL	0.000	0	0.00	0.00		
2021-11-29	04:34 PM	211129A CCV/LCS 1	1	63576	40mL	0.000	4.902	4.90	0.30	5.00	98.0%
2021-11-29	05:15 PM	211129A CCB/Blk 1	1	950	40mL	0.000	0.01	0.01	0.02		
2021-11-29	05:56 PM	BA46714W05	1	2207	40mL	0.000	0.134	0.13	0.04		
2021-11-29	06:36 PM	BA46721W01	1	5894	40mL	0.000	0.422	0.42	0.25		
2021-11-29	07:16 PM	BA39645W06	1	42814	40mL	0.000	3.307	3.31	0.03		
2021-11-29	07:57 PM	BA46927W02	1	25700	40mL	0.000	1.969	1.97	1.30		
2021-11-29	08:37 PM	BA46973W05	1	2966	40mL	0.000	0.193	0.19	0.37		
2021-11-29	09:17 PM	BA46971W06	1	2023	40mL	0.000	0.119	0.12	0.05		
2021-11-29	09:57 PM	BA38713W02	1	30844	40mL	0.000	2.371	2.37	2.29		
2021-11-29	10:37 PM	BA39648W06	1	62050	40mL	0.000	4.809	4.81	0.07		
2021-11-29	11:17 PM	BA39641W06	1	66891	40mL	0.000	5.188	5.19	0.36		
2021-11-29	11:58 PM	BA39647W06	1	54734	40mL	0.000	4.238	4.24	0.18		
2021-11-30	12:39 AM	211129A CCV/LCSD	1	64047	40mL	0.000	4.938	4.94	0.01	5.00	98.8%
2021-11-30	01:20 AM	211129A CCB 2	1	1305	40mL	0.000	0.036	0.04	0.05		
2021-11-30	02:01 AM	BA39123W01	1	57517	40mL	0.000	4.455	4.46	0.05		
2021-11-30	02:41 AM	BA46829W06	1	33099	40mL	0.000	2.548	2.55	0.90		
2021-11-30	03:21 AM	BA46823W06	1	7673	40mL	0.000	0.561	0.56	0.33		
2021-11-30	04:01 AM	BA46821W05	1	29307	40mL	0.000	2.251	2.25	1.02		
2021-11-30	04:41 AM	BA46827W05	1	18269	40mL	0.000	1.389	1.39	0.07		
2021-11-30	05:21 AM	BA46716W05	1	2637	40mL	0.000	0.167	0.17	0.22		
2021-11-30	06:02 AM	BA46983W05	1	20433	40mL	0.000	1.558	1.56	0.36		
2021-11-30	06:42 AM	BA46985W06	1	27259	40mL	0.000	2.091	2.09	1.31		
2021-11-30	07:24 AM	BA46981W05	1	30062	40mL	0.000	2.31	2.31	0.72		
2021-11-30	08:05 AM	BA46979W05	1	5187	40mL	0.000	0.367	0.37	0.33		
2021-11-30	08:45 AM	CCV	1	64283	40mL	0.000	4.957	4.96	0.01	5.00	99.1%
2021-11-30	09:26 AM	CCB	1	1179	40mL	0.000	0.026	0.03	0.04		
						0.000					
						0.000					
						0.000					

Name of Final Standard TOC Calibration Curve — **Prep'd By (Initials)** EA

Prep Date 11/27/2021

Exp Date 11/27/2022

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)** EA

Prep Date 11/27/2021

Exp Date 11/27/2022

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