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

March 31, 2022

AECOM
1001 Bishop Street, Suite 1600
Honolulu, Hawaii 96813

Attn: Alethea Ramos

Title: Report of Data: Case 96778-rev

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:

Seven water samples were received July 10, 2021. Revised written results for the requested analyses are being provided on this March 31, 2022.

Revision: For EPA 8015B analysis, samples ERH1464 and ERH1466 TPH-d/o and TPH d/o+SGC samples were switched during preparation. Reextraction (by 3510C) of ERH1464 and ERH1466 outside of holding time confirmed the samples were switched. The original results for samples ERH1464 and ERH1466 were revised. The re-extracted raw data is also included in this report.

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

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

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

Loren Portwood, Laboratory Director
APPL, Inc.

LP/lac
Enclosure
cc: File

Data Validation Package
for
60571032 CV18F0126 Red Hill Fuel Storage
APPL SDG 96778
TABLE OF CONTENTS

LABORATORY NAME: *APPL, Inc.*

CASE NARRATIVE

Case Narrative

ARF: 96778

Project: 60571032 CV18F0126 Red Hill Fuel Storage. HI

Sample Receipt Information:

Seven water samples were received July 10, 2021 at 2.0°C and 3.0°C. The sample group was assigned Analytical Request Form (ARF) number 96778.

Sample Preparation and Analysis Information:

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

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

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

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

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

Analytical Exceptions, Deviations and Abnormalities.

EPA 8260B: In the 210714BL LCS/LCSD, Benzene recovered above the 120% upper control limit and four RPD's exceeded the 20% limit. Benzene was not detected in the associated samples.

EPA 8260B GRO: One surrogate recovered below its lower control limit in two samples and the method blank. The samples were not reanalyzed past the recommended holding time.

SDG	Received	Client ID	APPL ID	Collected DateTime	Matrix	Method	Method Description
96778	7/10/2021	ERH1463	BA35744	7/8/2021 10:47:00 AM	WATER	EPA 8260B	EPA 8260B BTEX WATER
96778	7/10/2021	ERH1463	BA35744	7/8/2021 10:47:00 AM	WATER	EPA 8260B	EPA 8260B GRO WATER
96778	7/10/2021	ERH1464	BA35745	7/8/2021 10:52:00 AM	WATER	EPA 8260B	EPA 8260B BTEX WATER
96778	7/10/2021	ERH1464	BA35745	7/8/2021 10:52:00 AM	WATER	EPA 8015B-eHL	EPA 8015B TPH WATER L-L SGC
96778	7/10/2021	ERH1464	BA35745	7/8/2021 10:52:00 AM	WATER	EPA 8015B-eHL	EPA 8015B TPH LIQ-LIQ
96778	7/10/2021	ERH1464	BA35745	7/8/2021 10:52:00 AM	WATER	EPA 8260B	EPA 8260B GRO WATER
96778	7/10/2021	ERH1464	BA35745	7/8/2021 10:52:00 AM	WATER	8270D-SIM	EPA 8270D SIM LIQ-LIQ
96778	7/10/2021	ERH1464 BLANK	BA35746	7/8/2021 10:52:00 AM	WATER	EPA 8015B-eHL	EPA 8015B TPH LIQ-LIQ
96778	7/10/2021	ERH1465	BA35747	7/8/2021 11:55:00 AM	WATER	EPA 8260B	EPA 8260B BTEX WATER
96778	7/10/2021	ERH1465	BA35747	7/8/2021 11:55:00 AM	WATER	EPA 8260B	EPA 8260B GRO WATER
96778	7/10/2021	ERH1466	BA35748	7/8/2021 12:15:00 PM	WATER	EPA 8260B	EPA 8260B BTEX WATER
96778	7/10/2021	ERH1466	BA35748	7/8/2021 12:15:00 PM	WATER	EPA 8015B-eHL	EPA 8015B TPH WATER L-L SGC
96778	7/10/2021	ERH1466	BA35748	7/8/2021 12:15:00 PM	WATER	EPA 8015B-eHL	EPA 8015B TPH LIQ-LIQ
96778	7/10/2021	ERH1466	BA35748	7/8/2021 12:15:00 PM	WATER	EPA 8260B	EPA 8260B GRO WATER
96778	7/10/2021	ERH1466	BA35748	7/8/2021 12:15:00 PM	WATER	8270D-SIM	EPA 8270D SIM LIQ-LIQ
96778	7/10/2021	ERH1466 BLANK	BA35749	7/8/2021 12:15:00 PM	WATER	EPA 8015B-eHL	EPA 8015B TPH LIQ-LIQ
96778	7/10/2021	ERH1468	BA35750	7/8/2021 1:10:00 PM	WATER	EPA 8260B	EPA 8260B BTEX WATER
96778	7/10/2021	ERH1468	BA35750	7/8/2021 1:10:00 PM	WATER	EPA 8015B-eHL	EPA 8015B TPH WATER L-L SGC
96778	7/10/2021	ERH1468	BA35750	7/8/2021 1:10:00 PM	WATER	EPA 8015B-eHL	EPA 8015B TPH LIQ-LIQ
96778	7/10/2021	ERH1468	BA35750	7/8/2021 1:10:00 PM	WATER	EPA 8260B	EPA 8260B GRO WATER
96778	7/10/2021	ERH1468	BA35750	7/8/2021 1:10:00 PM	WATER	8270D-SIM	EPA 8270D SIM LIQ-LIQ
96778	7/10/2021	ERH1468 BLANK	BA35751	7/8/2021 1:10:00 PM	WATER	EPA 8015B-eHL	EPA 8015B TPH LIQ-LIQ
96778	7/10/2021	ERH1469	BA35752	7/8/2021 8:50:00 AM	WATER	EPA 8260B	EPA 8260B BTEX WATER
96778	7/10/2021	ERH1469	BA35752	7/8/2021 8:50:00 AM	WATER	EPA 8260B	EPA 8260B GRO WATER
96778	7/10/2021	ERH1470	BA35753	7/8/2021 8:55:00 AM	WATER	EPA 8260B	EPA 8260B BTEX WATER
96778	7/10/2021	ERH1470	BA35753	7/8/2021 8:55:00 AM	WATER	EPA 8015B-eHL	EPA 8015B TPH WATER L-L SGC
96778	7/10/2021	ERH1470	BA35753	7/8/2021 8:55:00 AM	WATER	EPA 8015B-eHL	EPA 8015B TPH LIQ-LIQ
96778	7/10/2021	ERH1470	BA35753	7/8/2021 8:55:00 AM	WATER	EPA 8260B	EPA 8260B GRO WATER
96778	7/10/2021	ERH1470	BA35753	7/8/2021 8:55:00 AM	WATER	8270D-SIM	EPA 8270D SIM LIQ-LIQ
96778	7/10/2021	ERH1470 BLANK	BA35754	7/8/2021 8:55:00 AM	WATER	EPA 8015B-eHL	EPA 8015B TPH LIQ-LIQ

Abbreviations and Flags

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

SAMPLE RECORDS MANAGEMENT

CHAIN OF CUSTODY,

ARF, CRF, AND

CLIENT COMMUNICATION

APPL - Analysis Request Form

96778

Client: **AECOM**
Address: **1001 Bishop Street, Suite 1600**
Honolulu, HI 96813
Attn: **Alethea Ramos**
Phone: **808-954-4536** Fax: **808-523-8950**
Job: **60571032 CV18F0126 Red Hill Fuel Storage**
PO #: **18S-22209-HI27 PO# 102604**
Chain of Custody (Y/N): **Y** # **59219,51730**
RAD Screen (Y/N): **Y** pH (Y/N): **Y**
Turn Around Type: **1 WEEK**

Received by: **SSE**
Date Received: **07/10/21** Time: **11:53**
Delivered by: **FEDEX**
Shuttle Custody Seals (Y/N): **Y** Time Zone: **-10**
Chest Temp(s): **2.0,3.0°C**
Color: **VFRG/G-Blue**
Samples Chilled until Placed in Refrig/Freezer: **Y**
Project Manager: **Libby Cheesebor**
QC Report Type: **DVP4DOD/EQUIS/HI**
Due Date: **07/19/21**

Comments:
PM: login and F1s to Margie.Pascua@aecom.com & alethea.ramos@aecom.com
PM: For Drinking Water DOC, use $5310CD.
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
Wetlab: EPA 300 (NO3, Br,F,CL,SO4). EPA 353.2 (TOXN).
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; analyze SGC if detections. DO NOT Q-DELETE.
RSK: Methane only; 8011: EDB only; $87DC53W5: report phenol + TICs
FR: email ftp info to Margie, alethea.ramos@aecom.com, Stella, trommelfanger@lab-data.com & jcanlas

Sample Distribution:
GC: 4-$DOC53SGCW5LIQ, 4-$DOC53W5LIQ, 4-$SIM53LIQ51, 4-$RHBLKETBLK
Extractions: 4-_LIQ003, 8-_LIQ005, 4-_LIQ005SGC
VOA: 7-$86BTOTXDOD5W, 7-$GASBL, 7-$GRO86BW

Charges:

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

	Client ID	APPL ID	Sampled		Analyses Requested
1.	ERH1463	LCSD BA35744W	07/08/21	10:47	$86BTOTXDOD5W, $GASBL, $GRO86BW -- See Comments
2.	ERH1464	LCSD BA35745W	07/08/21	10:52	$86BTOTXDOD5W, $DOC53SGCW5LIQ, $DOC53W5LIQ, $GASBL, $GRO86BW, $SIM53LIQ51 -- See Comments
3.	ERH1464 BLANK	LCSD BA35746W	07/08/21	10:52	$RHBLKETBLK -- See Comments
4.	ERH1465	LCSD BA35747W	07/08/21	11:55	$86BTOTXDOD5W, $GASBL, $GRO86BW -- See Comments

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

5.	ERH1466	LCSD BA35748W	07/08/21	12:15	$86BTOTXDOD5W, $DOC53SGCW5LIQ, $DOC53W5LIQ, $GASBL, $GRO86BW, $SIM53LIQ51 -- See Comments
6.	ERH1466 BLANK	LCSD BA35749W	07/08/21	12:15	$RHBLKETBLK -- See Comments
7.	ERH1468	LCSD BA35750W	07/08/21	13:10	$86BTOTXDOD5W, $DOC53SGCW5LIQ, $DOC53W5LIQ, $GASBL, $GRO86BW, $SIM53LIQ51 -- See Comments
8.	ERH1468 BLANK	LCSD BA35751W	07/08/21	13:10	$RHBLKETBLK -- See Comments
9.	ERH1469	LCSD BA35752W	07/08/21	08:50	$86BTOTXDOD5W, $GASBL, $GRO86BW -- See Comments
10.	ERH1470	LCSD BA35753W	07/08/21	08:55	$86BTOTXDOD5W, $DOC53SGCW5LIQ, $DOC53W5LIQ, $GASBL, $GRO86BW, $SIM53LIQ51 -- See Comments
11.	ERH1470 BLANK	LCSD BA35754W	07/08/21	08:55	$RHBLKETBLK -- See Comments

APPL Sample Receipt Form

ARF# **96778**

Sample	Container Type	Count	p
BA35744	[13] VOAs - HCL	4	NA
BA35745	[13] VOAs - HCL	4	NA
	[17] Amber Liter	2	NA
	[39] Amber Liter, HCL prsvd	2	1.6
BA35746	[39] Amber Liter, HCL prsvd	1	NA
BA35747	[13] VOAs - HCL	4	NA
BA35748	[13] VOAs - HCL	4	NA
	[17] Amber Liter	2	NA
	[39] Amber Liter, HCL prsvd	2	1.6
BA35749	[39] Amber Liter, HCL prsvd	1	NA
BA35750	[13] VOAs - HCL	4	NA
	[17] Amber Liter	2	NA
	[39] Amber Liter, HCL prsvd	2	1.6
BA35751	[39] Amber Liter, HCL prsvd	1	NA
BA35752	[13] VOAs - HCL	4	NA
BA35753	[13] VOAs - HCL	4	NA
	[17] Amber Liter	2	NA
	[39] Amber Liter, HCL prsvd	2	1.6
BA35754	[39] Amber Liter, HCL prsvd	1	NA

Sample	Container Type	Count	p

K's@ 0.0°C 5.0/5.0C

96778

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

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

CHAIN OF CUSTODY RECORD

C.O.C. 59219

1/2

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

Project Name/Number: CV_18F0126/60571032
Purchase Order Number: 102604
Sampler (Print): CS. EC
Sampler (Signature): Weifeng for CS. EC

Sample Identification	Location	Date Collected	Time Collected	Time Zone	No. of Containers	Matrix: Aq	Sed.	Soil	BTEX 8260	TPH-G 8260	TPH-D/O 8015	TPH-D/O SGC 8015	PAHs Short list 8270D SIM						Date Shipped: 7/9/2021
																			Carrier: FedEx
																			Waybill No.:
																			Comments:
ERH1463	Trip Blank	7/8/21	10:47	HST	4	X			X	X									
ERH1464	RHMW-01R		10:52		8	X			X	X	X	X	X*						
ERH1465	Trip Blank		11:55		4	X			X	X									The VOA of ERH1466
ERH1466	RHMW-02		12:15		8	X			X	X	X	X	X*						and ERH1468 are associated with ERH1465
~~ERH1467~~	~~Trip Blank~~ WZ		/		/	~~X~~			~~X~~	~~X~~				WZ					Cancelled
ERH1468	RHMW-03		13:10		4	X			X	X	X	X	X*						
ERH1469	Trip Blank		08:50		4	X			X	X									
ERH1470	RHSF		08:55		4	X			X	X	X	X	X*						TPH-D/O and PAHs need liquid-liquid extraction;
		WZ	7/9/2021																* Naphthalene, 1-methylnaphthalene, 2-methylnaphthalene

Shuttle Temperature:

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

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

Relinquished by sampler:	Date	Time	Received by:	Relinquished by:	Date	Time	Received by:
Relinquished by: WEIFENG ZHENG	7/9/21	14:00	Received by:	Relinquished by:	7/10/21	11:53	Received at lab by:

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

APPL LABS

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

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

R3 @ 0.0°C 2.0/2.0°C

CHAIN OF CUSTODY RECORD

C.O.C. 51730 2/2

Report to: PLEASE PRINT

Company Name: AECOM
Address: 1001 Bishop St., Suite 1600, Honolulu, HI 96813
Attn: Alethea Ramos (808)521-3051
Alethea.Ramos@aecom.com
CV_18F0126 / 60571032

Attn:
Email:

Invoice to: PLEASE PRINT

Company Name: AECOM
Address: 1001 Bishop St., Suite 1600, Honolulu, HI 96813
Attn: Sheree Smith (808)521-3051
Sheree.Smith@aecom.com
USAImaging@aecom.com

Attn:
Email:

Project Name/Number: CV_18F0126/60571032
Purchase Order Number: 102604
Sampler (Print): CS, EC
Sampler (Signature): Weifeng for CS, EC

Date Shipped: 7/9/2021
Carrier: FedEx
Waybill No.:
Comments:

Sample Identification	Location	Date Collected	Time Collected	Time Zone	No. of Containers	Matrix: Aq	Sed.	Soil	BTEX 8260	TPH-G 8260	TPH-D/O 8015	TPH-D/O SGC 8015	PAHs Short list 8270D SIM
ERH1463	Trip Blank	7/8/21	10:47	HST	0	X			X	X			
ERH1464	RHMW-01R		10:52		0	X			X	X	X	X	X*
ERH1465	Trip Blank		11:55		0	X			X	X			
ERH1466	RHMW-02		12:15		0	X			X	X	X	X	X*
~~ERH1467~~	~~Trip Blank~~ W2					~~X~~			~~X~~	~~X~~			W2 Cancelled
ERH1468	RHMW-03		13:10		4	X			X	X	X	X	X*
ERH1469	Trip Blank		08:50		0	X			X	X			
ERH1470	RHSF		08:55		4	X			X	X	X	X	X*
			W2	7/9/2021									

The VOA of ERH1466 and ERH1468 are associated with ERH1465.

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

* Naphthalene
1-methylnaphthalene
2-methylnaphthalene

12 of 523

Shuttle Temperature:

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

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

Relinquished by sampler:	Date	Time	Received by:	Relinquished by:	Date	Time	Received by:
Relinquished by: WEIFENG ZHENG	7/9/21	14:00			7/10/21	1053	Received at lab by:

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

COOLER RECEIPT FORM **ARF: 96778**

1) Project: 60571032 CV18F0126 Red Hill Fuel Storage Date Received: 07/10/21

2) Coolers: Number of Coolers: 2

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

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

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

6) YES Were cooler temperatures acceptable?

7) Serial number of calibrated thermometer used: R3 CF: +0.0°C

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

Chain of custody:

9) YES Was a chain of custody received?

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

Sample Labels:

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

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

Sample Containers:

13) YES Were all containers sealed in separate bags?

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

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

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

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

Preservation Hold time:

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

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

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

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

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

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

Notes/Deficiencies:

CUSTODY SEAL
APPL, Inc. (559) 275-2175
Initials MV **Date** 7/9/21

Personnel receiving samples: CG Second reviewer: MS
Personnel labeling samples: SS
Project manager notified: CG Date/Time of notification 7-10-21
Name of client notified: ____ Date/Time of notification ____

Revision: 22, November 5, 2013

SAMPLE RESULTS

EPA 8015B TPH LIQ-LIQ

AECOM
1001 Bishop Street, Suite 1600
Honolulu, HI 96813

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 96778

Sample ID: ERH1464

APPL ID: BA35745

Sample Collection Date: 07/08/21

QCG: #DOC53-210714A1-267039

Method	Analyte	Result	LOQ	LOD	DL	Units	Extraction Date	Analysis Date
EPA 8015B-e	DIESEL (C10-C24)	320	320	300.0	150.0	ug/L	07/14/21	08/09/21
EPA 8015B-e	OIL (C24-C40)	410	320	300.0	150.0	ug/L	07/14/21	08/09/21
EPA 8015B-e	SURROGATE: OCTACOSANE (S)	110	60-142			%	07/14/21	08/09/21
EPA 8015B-e	SURROGATE: ORTHO-TERPHENYL (S)	79.4	56-125			%	07/14/21	08/09/21

Quant Method: DOC0702.M
Run #: 808055
Instrument: Apollo
Sequence: 210808
Dilution Factor: 1
Initials: LA

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

EPA 8015B TPH LIQ-LIQ

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Honolulu, HI 96813

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 96778

Sample ID: ERH1466

APPL ID: BA35748

Sample Collection Date: 07/08/21

QCG: #DOC53-210714A1-267039

Method	Analyte	Result	LOQ	LOD	DL	Units	Extraction Date	Analysis Date
EPA 8015B-e	DIESEL (C10-C24)	3300	320	300.0	150.0	ug/L	07/14/21	08/09/21
EPA 8015B-e	OIL (C24-C40)	360	320	300.0	150.0	ug/L	07/14/21	08/09/21
EPA 8015B-e	SURROGATE: OCTACOSANE (S)	116	60-142			%	07/14/21	08/09/21
EPA 8015B-e	SURROGATE: ORTHO-TERPHENYL (S)	87.0	56-125			%	07/14/21	08/09/21

Quant Method:	DOC0702.M
Run #:	808054
Instrument:	Apollo
Sequence:	210808
Dilution Factor:	1
Initials:	LA

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

EPA 8015B TPH LIQ-LIQ

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908 North Temperance Avenue
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Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 96778

Sample ID: ERH1468

APPL ID: BA35750

Sample Collection Date: 07/08/21

QCG: #DOC53-210714A1-267039

Method	Analyte	Result	LOQ	LOD	DL	Units	Extraction Date	Analysis Date
EPA 8015B-e	DIESEL (C10-C24)	310 J	320	300.0	150.0	ug/L	07/14/21	08/09/21
EPA 8015B-e	OIL (C24-C40)	660	320	300.0	150.0	ug/L	07/14/21	08/09/21
EPA 8015B-e	SURROGATE: OCTACOSANE (S)	119	60-142			%	07/14/21	08/09/21
EPA 8015B-e	SURROGATE: ORTHO-TERPHENYL (S)	85.6	56-125			%	07/14/21	08/09/21

J = Estimated value.

Quant Method:	DOC0702.M
Run #:	808056
Instrument:	Apollo
Sequence:	210808
Dilution Factor:	1
Initials:	LA

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

EPA 8015B TPH LIQ-LIQ

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908 North Temperance Avenue
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Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 96778

Sample ID: ERH1470

APPL ID: BA35753

Sample Collection Date: 07/08/21

QCG: #DOC53-210714A1-267039

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	07/14/21	08/09/21
EPA 8015B-e	OIL (C24-C40)	370	320	300.0	150.0	ug/L	07/14/21	08/09/21
EPA 8015B-e	SURROGATE: OCTACOSANE (S)	119	60-142			%	07/14/21	08/09/21
EPA 8015B-e	SURROGATE: ORTHO-TERPHENYL (S)	86.0	56-125			%	07/14/21	08/09/21

Quant Method:	DOC0702.M
Run #:	808057
Instrument:	Apollo
Sequence:	210808
Dilution Factor:	1
Initials:	LA

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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: 96778

Sample ID: ERH1464

APPL ID: BA35745

Sample Collection Date: 07/08/21

QCG: #DOC53-210714A-267038

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	07/14/21	08/09/21
EPA 8015B-e	OIL (C24-C40)	300.0 U	320	300.0	150.0	ug/L	07/14/21	08/09/21
EPA 8015B-e	SURROGATE: (R) DECANOIC ACID (S)	0.0	0-1			%	07/14/21	08/09/21
EPA 8015B-e	SURROGATE: OCTACOSANE (S)	116	60-142			%	07/14/21	08/09/21
EPA 8015B-e	SURROGATE: ORTHO-TERPHENYL (S)	82.7	56-125			%	07/14/21	08/09/21

Quant Method:	DOC0702.M
Run #:	808044
Instrument:	Apollo
Sequence:	210808
Dilution Factor:	1
Initials:	LA

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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: 96778

Sample ID: ERH1466

APPL ID: BA35748

Sample Collection Date: 07/08/21

QCG: #DOC53-210714A-267038

Method	Analyte	Result	LOQ	LOD	DL	Units	Extraction Date	Analysis Date
EPA 8015B-e	DIESEL (C10-C24)	900	320	300.0	150.0	ug/L	07/14/21	08/09/21
EPA 8015B-e	OIL (C24-C40)	300.0 U	320	300.0	150.0	ug/L	07/14/21	08/09/21
EPA 8015B-e	SURROGATE: (R) DECANOIC ACID (S)	0.0	0-1			%	07/14/21	08/09/21
EPA 8015B-e	SURROGATE: OCTACOSANE (S)	124	60-142			%	07/14/21	08/09/21
EPA 8015B-e	SURROGATE: ORTHO-TERPHENYL (S)	88.4	56-125			%	07/14/21	08/09/21

Quant Method:	DOC0702.M
Run #:	808043
Instrument:	Apollo
Sequence:	210808
Dilution Factor:	1
Initials:	LA

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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: 96778

Sample ID: ERH1468

APPL ID: BA35750

Sample Collection Date: 07/08/21

QCG: #DOC53-210714A-267038

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	07/14/21	08/09/21
EPA 8015B-e	OIL (C24-C40)	300.0 U	320	300.0	150.0	ug/L	07/14/21	08/09/21
EPA 8015B-e	SURROGATE: (R) DECANOIC ACID (S)	0.0	0-1			%	07/14/21	08/09/21
EPA 8015B-e	SURROGATE: OCTACOSANE (S)	112	60-142			%	07/14/21	08/09/21
EPA 8015B-e	SURROGATE: ORTHO-TERPHENYL (S)	79.1	56-125			%	07/14/21	08/09/21

Quant Method:	DOC0702.M
Run #:	808045
Instrument:	Apollo
Sequence:	210808
Dilution Factor:	1
Initials:	LA

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

EPA 8015B TPH WATER L-L SGC

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908 North Temperance Avenue
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Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 96778

Sample ID: ERH1470

APPL ID: BA35753

Sample Collection Date: 07/08/21

QCG: #DOC53-210714A-267038

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	07/14/21	08/09/21
EPA 8015B-e	OIL (C24-C40)	300.0 U	320	300.0	150.0	ug/L	07/14/21	08/09/21
EPA 8015B-e	SURROGATE: (R) DECANOIC ACID (S)	0.0	0-1			%	07/14/21	08/09/21
EPA 8015B-e	SURROGATE: OCTACOSANE (S)	124	60-142			%	07/14/21	08/09/21
EPA 8015B-e	SURROGATE: ORTHO-TERPHENYL (S)	88.3	56-125			%	07/14/21	08/09/21

Quant Method:	DOC0702.M
Run #:	808046
Instrument:	Apollo
Sequence:	210808
Dilution Factor:	1
Initials:	LA

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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: 96778

Sample ID: ERH1464 BLANK

APPL ID: BA35746

Sample Collection Date: 07/08/21

QCG: #RHBLK-210713B-266790

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	07/13/21	07/29/21
EPA 8015B-e	OIL (C24-C40)	300.0 U	320	300.0	150.0	ug/L	07/13/21	07/29/21
EPA 8015B-e	SURROGATE: OCTACOSANE (S)	121	60-142			%	07/13/21	07/29/21
EPA 8015B-e	SURROGATE: ORTHO-TERPHENYL (S)	87.0	56-125			%	07/13/21	07/29/21

Quant Method:	DOC0702.M
Run #:	727110
Instrument:	Apollo
Sequence:	210727
Dilution Factor:	1
Initials:	LA

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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: 96778

Sample ID: ERH1466 BLANK

APPL ID: BA35749

Sample Collection Date: 07/08/21

QCG: #RHBLK-210713B-266790

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	07/13/21	07/29/21
EPA 8015B-e	OIL (C24-C40)	300.0 U	320	300.0	150.0	ug/L	07/13/21	07/29/21
EPA 8015B-e	SURROGATE: OCTACOSANE (S)	106	60-142			%	07/13/21	07/29/21
EPA 8015B-e	SURROGATE: ORTHO-TERPHENYL (S)	75.9	56-125			%	07/13/21	07/29/21

Quant Method:	DOC0702.M
Run #:	727111
Instrument:	Apollo
Sequence:	210727
Dilution Factor:	1
Initials:	LA

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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: 96778

Sample ID: ERH1468 BLANK

APPL ID: BA35751

Sample Collection Date: 07/08/21

QCG: #RHBLK-210713B-266790

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	07/13/21	07/29/21
EPA 8015B-e	OIL (C24-C40)	300.0 U	320	300.0	150.0	ug/L	07/13/21	07/29/21
EPA 8015B-e	SURROGATE: OCTACOSANE (S)	114	60-142			%	07/13/21	07/29/21
EPA 8015B-e	SURROGATE: ORTHO-TERPHENYL (S)	82.2	56-125			%	07/13/21	07/29/21

Quant Method:	DOC0702.M
Run #:	727112
Instrument:	Apollo
Sequence:	210727
Dilution Factor:	1
Initials:	LA

Printed: 9/18/2021 9:24:19 AM

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: 96778

Sample ID: ERH1470 BLANK

APPL ID: BA35754

Sample Collection Date: 07/08/21

QCG: #RHBLK-210713B-266790

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	07/13/21	07/29/21
EPA 8015B-e	OIL (C24-C40)	300.0 U	320	300.0	150.0	ug/L	07/13/21	07/29/21
EPA 8015B-e	SURROGATE: OCTACOSANE (S)	131	60-142			%	07/13/21	07/29/21
EPA 8015B-e	SURROGATE: ORTHO-TERPHENYL (S)	93.9	56-125			%	07/13/21	07/29/21

Quant Method:	DOC0702.M
Run #:	727113
Instrument:	Apollo
Sequence:	210727
Dilution Factor:	1
Initials:	LA

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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: 96778

Sample ID: ERH1464

APPL ID: BA35745

Sample Collection Date: 07/08/21

QCG: #SIM53-210713A-266367

Method	Analyte	Result	LOQ	LOD	DL	Units	Extraction Date	Analysis Date
8270D-SIM	1-METHYLNAPHTHALENE	0.28	0.2	0.10	0.04	ug/L	07/13/21	07/15/21
8270D-SIM	2-METHYLNAPHTHALENE	0.10 U	0.2	0.10	0.04	ug/L	07/13/21	07/15/21
8270D-SIM	NAPHTHALENE	0.10 U	0.2	0.10	0.04	ug/L	07/13/21	07/15/21
8270D-SIM	SURROGATE: 2-METHYLNAPHTHALEN	98.7	39-114			%	07/13/21	07/15/21
8270D-SIM	SURROGATE: FLUORANTHENE-D10 (S	83.3	58-120			%	07/13/21	07/15/21

Quant Method: L0715.M
Run #: 0715L017
Instrument: Linus
Sequence: L210715
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: 96778

Sample ID: ERH1466

APPL ID: BA35748

Sample Collection Date: 07/08/21

QCG: #SIM53-210713A-266367

Method	Analyte	Result	LOQ	LOD	DL	Units	Extraction Date	Analysis Date
8270D-SIM	1-METHYLNAPHTHALENE	19	0.2	0.10	0.04	ug/L	07/13/21	07/15/21
8270D-SIM	2-METHYLNAPHTHALENE	6.9	0.2	0.10	0.04	ug/L	07/13/21	07/15/21
8270D-SIM	NAPHTHALENE	37	0.2	0.10	0.04	ug/L	07/13/21	07/15/21
8270D-SIM	SURROGATE: 2-METHYLNAPHTHALEN	86.9	39-114			%	07/13/21	07/15/21
8270D-SIM	SURROGATE: FLUORANTHENE-D10 (S	73.0	58-120			%	07/13/21	07/15/21

Quant Method:	L0715.M
Run #:	0715L018
Instrument:	Linus
Sequence:	L210715
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: 96778

Sample ID: ERH1468

APPL ID: BA35750

Sample Collection Date: 07/08/21

QCG: #SIM53-210713A-266367

Method	Analyte	Result	LOQ	LOD	DL	Units	Extraction Date	Analysis Date
8270D-SIM	1-METHYLNAPHTHALENE	0.10 U	0.2	0.10	0.04	ug/L	07/13/21	07/15/21
8270D-SIM	2-METHYLNAPHTHALENE	0.10 U	0.2	0.10	0.04	ug/L	07/13/21	07/15/21
8270D-SIM	NAPHTHALENE	0.10 U	0.2	0.10	0.04	ug/L	07/13/21	07/15/21
8270D-SIM	SURROGATE: 2-METHYLNAPHTHALEN	75.6	39-114			%	07/13/21	07/15/21
8270D-SIM	SURROGATE: FLUORANTHENE-D10 (S	79.4	58-120			%	07/13/21	07/15/21

Quant Method: L0715.M
Run #: 0715L019
Instrument: Linus
Sequence: L210715
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: 96778

Sample ID: ERH1470

APPL ID: BA35753

Sample Collection Date: 07/08/21

QCG: #SIM53-210713A-266367

Method	Analyte	Result	LOQ	LOD	DL	Units	Extraction Date	Analysis Date
8270D-SIM	1-METHYLNAPHTHALENE	0.10 U	0.2	0.10	0.04	ug/L	07/13/21	07/15/21
8270D-SIM	2-METHYLNAPHTHALENE	0.10 U	0.2	0.10	0.04	ug/L	07/13/21	07/15/21
8270D-SIM	NAPHTHALENE	0.10 U	0.2	0.10	0.04	ug/L	07/13/21	07/15/21
8270D-SIM	SURROGATE: 2-METHYLNAPHTHALEN	83.2	39-114			%	07/13/21	07/15/21
8270D-SIM	SURROGATE: FLUORANTHENE-D10 (S	87.2	58-120			%	07/13/21	07/15/21

Quant Method: L0715.M
Run #: 0715L020
Instrument: Linus
Sequence: L210715
Dilution Factor: 1
Initials: LSI

Printed: 08/04/21 4:19:32 PM
APPL-F1-SC-NoMC-REG MDLs-DOD

EPA 8260B BTEX WATER

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

Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 96778

Sample ID: ERH1463

APPL ID: BA35744

Sample Collection Date: 07/08/21

QCG: #86BTO-210714BL-266387

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	07/15/21	07/15/21
EPA 8260B	ETHYLBENZENE	0.50 U	1.0	0.50	0.23	ug/L	07/15/21	07/15/21
EPA 8260B	TOLUENE	0.30 U	1.0	0.30	0.15	ug/L	07/15/21	07/15/21
EPA 8260B	XYLENES (TOTAL)	0.30 U	2.0	0.30	0.15	ug/L	07/15/21	07/15/21
EPA 8260B	SURROGATE: 1,2-DICHLOROETHANE-	104	81-118			%	07/15/21	07/15/21
EPA 8260B	SURROGATE: 4-BROMOFLUOROBENZ	86.8	85-114			%	07/15/21	07/15/21
EPA 8260B	SURROGATE: DIBROMOFLUOROMETH	102	80-119			%	07/15/21	07/15/21
EPA 8260B	SURROGATE: TOLUENE-D8 (S)	95.4	89-112			%	07/15/21	07/15/21

Quant Method:	L0712NEW.M
Run #:	0714L36
Instrument:	Loki
Sequence:	210712
Dilution Factor:	1
Initials:	JPR

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

EPA 8260B BTEX WATER

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1001 Bishop Street, Suite 1600
Honolulu, HI 96813

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908 North Temperance Avenue
Clovis, CA 93611

Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 96778

Sample ID: ERH1464

APPL ID: BA35745

Sample Collection Date: 07/08/21

QCG: #86BTO-210714BL-266387

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	07/15/21	07/15/21
EPA 8260B	ETHYLBENZENE	0.50 U	1.0	0.50	0.23	ug/L	07/15/21	07/15/21
EPA 8260B	TOLUENE	0.30 U	1.0	0.30	0.15	ug/L	07/15/21	07/15/21
EPA 8260B	XYLENES (TOTAL)	0.30 U	2.0	0.30	0.15	ug/L	07/15/21	07/15/21
EPA 8260B	SURROGATE: 1,2-DICHLOROETHANE-	103	81-118			%	07/15/21	07/15/21
EPA 8260B	SURROGATE: 4-BROMOFLUOROBENZ	84.9	85-114			%	07/15/21	07/15/21
EPA 8260B	SURROGATE: DIBROMOFLUOROMETH	102	80-119			%	07/15/21	07/15/21
EPA 8260B	SURROGATE: TOLUENE-D8 (S)	94.1	89-112			%	07/15/21	07/15/21

Quant Method:	L0712NEW.M
Run #:	0714L37
Instrument:	Loki
Sequence:	210712
Dilution Factor:	1
Initials:	JPR

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

EPA 8260B BTEX WATER

AECOM
1001 Bishop Street, Suite 1600
Honolulu, HI 96813

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 96778

Sample ID: ERH1465

APPL ID: BA35747

Sample Collection Date: 07/08/21

QCG: #86BTO-210714BL-266387

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	07/15/21	07/15/21
EPA 8260B	ETHYLBENZENE	0.50 U	1.0	0.50	0.23	ug/L	07/15/21	07/15/21
EPA 8260B	TOLUENE	0.30 U	1.0	0.30	0.15	ug/L	07/15/21	07/15/21
EPA 8260B	XYLENES (TOTAL)	0.30 U	2.0	0.30	0.15	ug/L	07/15/21	07/15/21
EPA 8260B	SURROGATE: 1,2-DICHLOROETHANE-	104	81-118			%	07/15/21	07/15/21
EPA 8260B	SURROGATE: 4-BROMOFLUOROBENZ	89.6	85-114			%	07/15/21	07/15/21
EPA 8260B	SURROGATE: DIBROMOFLUOROMETH	103	80-119			%	07/15/21	07/15/21
EPA 8260B	SURROGATE: TOLUENE-D8 (S)	96.6	89-112			%	07/15/21	07/15/21

Quant Method:	L0712NEW.M
Run #:	0714L38
Instrument:	Loki
Sequence:	210712
Dilution Factor:	1
Initials:	JPR

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

EPA 8260B BTEX WATER

AECOM
1001 Bishop Street, Suite 1600
Honolulu, HI 96813

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 96778

Sample ID: ERH1466

APPL ID: BA35748

Sample Collection Date: 07/08/21

QCG: #86BTO-210714BL-266387

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	07/15/21	07/15/21
EPA 8260B	ETHYLBENZENE	0.50 U	1.0	0.50	0.23	ug/L	07/15/21	07/15/21
EPA 8260B	TOLUENE	0.30 U	1.0	0.30	0.15	ug/L	07/15/21	07/15/21
EPA 8260B	XYLENES (TOTAL)	0.30 U	2.0	0.30	0.15	ug/L	07/15/21	07/15/21
EPA 8260B	SURROGATE: 1,2-DICHLOROETHANE-	103	81-118			%	07/15/21	07/15/21
EPA 8260B	SURROGATE: 4-BROMOFLUOROBENZ	90.8	85-114			%	07/15/21	07/15/21
EPA 8260B	SURROGATE: DIBROMOFLUOROMETH	104	80-119			%	07/15/21	07/15/21
EPA 8260B	SURROGATE: TOLUENE-D8 (S)	96.9	89-112			%	07/15/21	07/15/21

Quant Method:	L0712NEW.M
Run #:	0714L39
Instrument:	Loki
Sequence:	210712
Dilution Factor:	1
Initials:	JPR

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

EPA 8260B BTEX WATER

AECOM
1001 Bishop Street, Suite 1600
Honolulu, HI 96813

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 96778

Sample ID: ERH1468

APPL ID: BA35750

Sample Collection Date: 07/08/21

QCG: #86BTO-210714BL-266387

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	07/15/21	07/15/21
EPA 8260B	ETHYLBENZENE	0.50 U	1.0	0.50	0.23	ug/L	07/15/21	07/15/21
EPA 8260B	TOLUENE	0.30 U	1.0	0.30	0.15	ug/L	07/15/21	07/15/21
EPA 8260B	XYLENES (TOTAL)	0.30 U	2.0	0.30	0.15	ug/L	07/15/21	07/15/21
EPA 8260B	SURROGATE: 1,2-DICHLOROETHANE-	100	81-118			%	07/15/21	07/15/21
EPA 8260B	SURROGATE: 4-BROMOFLUOROBENZ	85.9	85-114			%	07/15/21	07/15/21
EPA 8260B	SURROGATE: DIBROMOFLUOROMETH	102	80-119			%	07/15/21	07/15/21
EPA 8260B	SURROGATE: TOLUENE-D8 (S)	95.0	89-112			%	07/15/21	07/15/21

Quant Method:	L0712NEW.M
Run #:	0714L40
Instrument:	Loki
Sequence:	210712
Dilution Factor:	1
Initials:	JPR

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

EPA 8260B BTEX WATER

AECOM
1001 Bishop Street, Suite 1600
Honolulu, HI 96813

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 96778

Sample ID: ERH1469

APPL ID: BA35752

Sample Collection Date: 07/08/21

QCG: #86BTO-210714BL-266387

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	07/15/21	07/15/21
EPA 8260B	ETHYLBENZENE	0.50 U	1.0	0.50	0.23	ug/L	07/15/21	07/15/21
EPA 8260B	TOLUENE	0.30 U	1.0	0.30	0.15	ug/L	07/15/21	07/15/21
EPA 8260B	XYLENES (TOTAL)	0.30 U	2.0	0.30	0.15	ug/L	07/15/21	07/15/21
EPA 8260B	SURROGATE: 1,2-DICHLOROETHANE-	101	81-118			%	07/15/21	07/15/21
EPA 8260B	SURROGATE: 4-BROMOFLUOROBENZ	88.1	85-114			%	07/15/21	07/15/21
EPA 8260B	SURROGATE: DIBROMOFLUOROMETH	102	80-119			%	07/15/21	07/15/21
EPA 8260B	SURROGATE: TOLUENE-D8 (S)	96.0	89-112			%	07/15/21	07/15/21

Quant Method:	L0712NEW.M
Run #:	0714L41
Instrument:	Loki
Sequence:	210712
Dilution Factor:	1
Initials:	JPR

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

EPA 8260B BTEX WATER

AECOM
1001 Bishop Street, Suite 1600
Honolulu, HI 96813

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 96778

Sample ID: ERH1470

APPL ID: BA35753

Sample Collection Date: 07/08/21

QCG: #86BTO-210714BL-266387

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	07/15/21	07/15/21
EPA 8260B	ETHYLBENZENE	0.50 U	1.0	0.50	0.23	ug/L	07/15/21	07/15/21
EPA 8260B	TOLUENE	0.30 U	1.0	0.30	0.15	ug/L	07/15/21	07/15/21
EPA 8260B	XYLENES (TOTAL)	0.30 U	2.0	0.30	0.15	ug/L	07/15/21	07/15/21
EPA 8260B	SURROGATE: 1,2-DICHLOROETHANE-	103	81-118			%	07/15/21	07/15/21
EPA 8260B	SURROGATE: 4-BROMOFLUOROBENZ	89.9	85-114			%	07/15/21	07/15/21
EPA 8260B	SURROGATE: DIBROMOFLUOROMETH	102	80-119			%	07/15/21	07/15/21
EPA 8260B	SURROGATE: TOLUENE-D8 (S)	96.5	89-112			%	07/15/21	07/15/21

Quant Method:	L0712NEW.M
Run #:	0714L42
Instrument:	Loki
Sequence:	210712
Dilution Factor:	1
Initials:	JPR

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

EPA 8260B GRO WATER

AECOM
1001 Bishop Street, Suite 1600
Honolulu, HI 96813

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 96778

Sample ID: ERH1463

APPL ID: BA35744

Sample Collection Date: 07/08/21

QCG: #GRO86-210714BL-266437

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	07/15/21	07/15/21
EPA 8260B	SURROGATE: 4-BROMOFLUOROBENZ	84.5	85-114			%	07/15/21	07/15/21

Quant Method:	LGAS0712.M
Run #:	0714L36
Instrument:	Loki
Sequence:	210712
Dilution Factor:	1
Initials:	JPR

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

EPA 8260B GRO WATER

AECOM
1001 Bishop Street, Suite 1600
Honolulu, HI 96813

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 96778

Sample ID: ERH1464

APPL ID: BA35745

Sample Collection Date: 07/08/21

QCG: #GRO86-210714BL-266437

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	07/15/21	07/15/21
EPA 8260B	SURROGATE: 4-BROMOFLUOROBENZ	82.6 #	85-114			%	07/15/21	07/15/21

= Recovery (or RPD) is outside QC limits.

Quant Method:	LGAS0712.M
Run #:	0714L37
Instrument:	Loki
Sequence:	210712
Dilution Factor:	1
Initials:	JPR

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

EPA 8260B GRO WATER

AECOM
1001 Bishop Street, Suite 1600
Honolulu, HI 96813

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 96778

Sample ID: ERH1465

APPL ID: BA35747

Sample Collection Date: 07/08/21

QCG: #GRO86-210714BL-266437

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	07/15/21	07/15/21
EPA 8260B	SURROGATE: 4-BROMOFLUOROBENZ	87.2	85-114			%	07/15/21	07/15/21

Quant Method:	LGAS0712.M
Run #:	0714L38
Instrument:	Loki
Sequence:	210712
Dilution Factor:	1
Initials:	JPR

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

EPA 8260B GRO WATER

AECOM
1001 Bishop Street, Suite 1600
Honolulu, HI 96813

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 96778

Sample ID: ERH1466

APPL ID: BA35748

Sample Collection Date: 07/08/21

QCG: #GRO86-210714BL-266437

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	07/15/21	07/15/21
EPA 8260B	SURROGATE: 4-BROMOFLUOROBENZ	88.3	85-114			%	07/15/21	07/15/21

Quant Method:	LGAS0712.M
Run #:	0714L39
Instrument:	Loki
Sequence:	210712
Dilution Factor:	1
Initials:	JPR

Printed: 07/29/21 11:52:31 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: 96778

Sample ID: ERH1468

APPL ID: BA35750

Sample Collection Date: 07/08/21

QCG: #GRO86-210714BL-266437

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	07/15/21	07/15/21
EPA 8260B	SURROGATE: 4-BROMOFLUOROBENZ	83.6 #	85-114			%	07/15/21	07/15/21

= Recovery (or RPD) is outside QC limits.

Quant Method:	LGAS0712.M
Run #:	0714L40
Instrument:	Loki
Sequence:	210712
Dilution Factor:	1
Initials:	JPR

Printed: 07/29/21 11:52:31 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: 96778

Sample ID: ERH1469

APPL ID: BA35752

Sample Collection Date: 07/08/21

QCG: #GRO86-210714BL-266437

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	07/15/21	07/15/21
EPA 8260B	SURROGATE: 4-BROMOFLUOROBENZ	85.7	85-114			%	07/15/21	07/15/21

Quant Method:	LGAS0712.M
Run #:	0714L41
Instrument:	Loki
Sequence:	210712
Dilution Factor:	1
Initials:	JPR

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

EPA 8260B GRO WATER

AECOM
1001 Bishop Street, Suite 1600
Honolulu, HI 96813

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 96778

Sample ID: ERH1470

APPL ID: BA35753

Sample Collection Date: 07/08/21

QCG: #GRO86-210714BL-266437

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	07/15/21	07/15/21
EPA 8260B	SURROGATE: 4-BROMOFLUOROBENZ	87.5	85-114			%	07/15/21	07/15/21

Quant Method:	LGAS0712.M
Run #:	0714L42
Instrument:	Loki
Sequence:	210712
Dilution Factor:	1
Initials:	JPR

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

QC FORMS

EPA 8015B-eHL

Form 2 & 8

Surrogate Recovery

Lab Name: APPL, Inc. SDG No: 96778

Case No: 96778 Date Analyzed: 8/9/2021

Matrix: WATER Instrument: Apollo

APPL ID.	Client Sample No.	SURROGATE: OCTACOSANE (S)			SURROGATE: ORTHO-TERPHENYL (S)		
		Limits	Result	Qualifier	Limits	Result	Qualifier
210714A1-BLK	Blank	60-142	118		56-125	85.0	
210714A1-LCS	Lab Control Spike	60-142	123		56-125	98.7	
210714A1-LCSD	Lab Control SpikeD	60-142	116		56-125	92.7	
BA35745	ERH1464	60-142	116		56-125	87.0	
BA35748	ERH1466	60-142	110		56-125	79.4	
BA35750	ERH1468	60-142	119		56-125	85.6	
BA35753	ERH1470	60-142	119		56-125	86.0	

Comments: Batch: #DOC53-210714A1

EPA 8015B-eH

Form 4

Blank Summary

Lab Name:	APPL, Inc.	SDG No:	96778
Case No:	96778	Date Analyzed:	8/9/2021
Matrix:	WATER	Instrument:	Apollo
Blank ID:	210714A1-BLK	Time Analyzed:	1121

APPL ID.	Client Sample No.	File ID.	Date Analyzed
210714A1-BLK	Blank	808051	8/9/2021 1121
210714A1-LCS	Lab Control Spike	808052	8/9/2021 1150
210714A1-LCSD	Lab Control SpikeD	808053	8/9/2021 1218
BA35745	ERH1464	808054	8/9/2021 1246
BA35748	ERH1466	808055	8/9/2021 1315
BA35750	ERH1468	808056	8/9/2021 1343
BA35753	ERH1470	808057	8/9/2021 1412

Comments: Batch: #DOC53-210714A1

Method Blank
EPA 8015B TPH LIQ-LIQ

Blank Name/QCG: **210714W-35745 - 267039**
Batch ID: #DOC53-210714A1

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	7/14/2021	8/9/2021
BLANK	OIL (C24-C40)	300.0 U	320	300.0	150.0	ug/L	7/14/2021	8/9/2021
BLANK	SURROGATE: OCTACOSANE (S)	118	60-142			%	7/14/2021	8/9/2021
BLANK	SURROGATE: ORTHO-TERPHEN	85.0	56-125			%	7/14/2021	8/9/2021

Quant Method: DOC0702.M
Run #: 808051
Instrument: Apollo
Sequence: 210808
Initials: LA

GC SC-Blank-REG MDLs-DOD
Printed: 9/18/2021 9:21:32 AM

EPA 8015B-eH

Form 4

LCS Summary

Lab Name:	APPL, Inc.	SDG No:	96778
Case No:	96778	Date Analyzed:	8/9/2021
Matrix:	WATER	Instrument:	Apollo
LCS ID:	210714A1-LCS	Time Analyzed:	1150

APPL ID.	Client Sample No.	File ID.	Date Analyzed
210714A1-BLK	Blank	808051	8/9/2021 1121
210714A1-LCS	Lab Control Spike	808052	8/9/2021 1150
210714A1-LCSD	Lab Control SpikeD	808053	8/9/2021 1218
BA35745	ERH1464	808054	8/9/2021 1246
BA35748	ERH1466	808055	8/9/2021 1315
BA35750	ERH1468	808056	8/9/2021 1343
BA35753	ERH1470	808057	8/9/2021 1412

Comments: Batch: #DOC53-210714A1

Laboratory Control Spike Recoveries
EPA 8015B TPH LIQ-LIQ

APPL ID: **210714W-35745 LCS - 267039**
Batch ID: #DOC53-210714A1

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	2060	1880	103	94.0	36-132	9.1	30
OIL (C24-C40)	2000	2100	1990	105	99.5	41-113	5.4	30
SURROGATE: OCTACOSANE (S)	150	185	174	123	116	60-142		
SURROGATE: ORTHO-TERPHENYL (S)	150	148	139	98.7	92.7	56-125		

Comments:

Primary	SPK	DUP
Quant Method :	DOC0702.M	DOC0702.M
Extraction Date :	7/14/2021	7/14/2021
Analysis Date :	8/9/2021	8/9/2021
Instrument :	Apollo	Apollo
Run :	808052	808053
Initials :	LA	

EPA 8015B-eHL

Form 2 & 8

Surrogate Recovery

Lab Name: APPL, Inc. SDG No: 96778

Case No: 96778 Date Analyzed: 8/9/2021

Matrix: WATER Instrument: Apollo

APPL ID.	Client Sample No.	SURROGATE: (R) DECANOIC ACID (S)			SURROGATE: OCTACOSANE (S)		
		Limits	Result	Qualifier	Limits	Result	Qualifier
210714A-BLK	Blank	0-1	0.0		60-142	81.1	
210714A-LCS	Lab Control Spike	0-1	0.0		60-142	110	
210714A-LCSD	Lab Control SpikeD	0-1	0.0		60-142	111	
BA35745	ERH1464	0-1	0.0		60-142	124	
BA35748	ERH1466	0-1	0.0		60-142	116	
BA35750	ERH1468	0-1	0.0		60-142	112	
BA35753	ERH1470	0-1	0.0		60-142	124	

Comments: Batch: #DOC53-210714A

EPA 8015B-eHL

Form 2 & 8

Surrogate Recovery

Lab Name: APPL, Inc. SDG No: 96778

Case No: 96778 Date Analyzed: 8/9/2021

Matrix: WATER Instrument: Apollo

APPL ID.	Client Sample No.	SURROGATE: ORTHO-TERPHENYL (S)					
		Limits	Result	Qualifier	Limits	Result	Qualifier
210714A-BLK	Blank	56-125	57.3				
210714A-LCS	Lab Control Spike	56-125	89.3				
210714A-LCSD	Lab Control SpikeD	56-125	90.0				
BA35745	ERH1464	56-125	88.4				
BA35748	ERH1466	56-125	82.7				
BA35750	ERH1468	56-125	79.1				
BA35753	ERH1470	56-125	88.3				

Comments: Batch: #DOC53-210714A

EPA 8015B-eH

Form 4

Blank Summary

Lab Name: APPL, Inc. SDG No: 96778

Case No: 96778 Date Analyzed: 8/9/2021

Matrix: WATER Instrument: Apollo

Blank ID: 210714A-BLK Time Analyzed: 0608

APPL ID.	Client Sample No.	File ID.	Date Analyzed
210714A-BLK	Blank	808040	8/9/2021 0608
210714A-LCS	Lab Control Spike	808041	8/9/2021 0637
210714A-LCSD	Lab Control SpikeD	808042	8/9/2021 0705
BA35745	ERH1464	808043	8/9/2021 0734
BA35748	ERH1466	808044	8/9/2021 0802
BA35750	ERH1468	808045	8/9/2021 0831
BA35753	ERH1470	808046	8/9/2021 0859

Comments: Batch: #DOC53-210714A

Method Blank
EPA 8015B TPH WATER L-L SGC

APPL Inc.
908 North Temperance Avenu
Clovis, CA 93611

Blank Name/QCG: **210714W-35745 - 267038**
Batch ID: #DOC53-210714A

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	7/14/2021	8/9/2021
BLANK	OIL (C24-C40)	300.0 U	320	300.0	150.0	ug/L	7/14/2021	8/9/2021
BLANK	SURROGATE: (R) DECANOIC AC	0.0	0-1			%	7/14/2021	8/9/2021
BLANK	SURROGATE: OCTACOSANE (S)	81.1	60-142			%	7/14/2021	8/9/2021
BLANK	SURROGATE: ORTHO-TERPHEN	57.3	56-125			%	7/14/2021	8/9/2021

Quant Method: DOC0702.M
Run #: 808040
Instrument: Apollo
Sequence: 210808
Initials: LA

GC SC-Blank-REG MDLs-DOD
Printed: 9/18/2021 9:06:14 AM

EPA 8015B-eH

Form 4

LCS Summary

Lab Name: APPL, Inc. SDG No: 96778

Case No: 96778 Date Analyzed: 8/9/2021

Matrix: WATER Instrument: Apollo

LCS ID: 210714A-LCS Time Analyzed: 0637

APPL ID.	Client Sample No.	File ID.	Date Analyzed
210714A-BLK	Blank	808040	8/9/2021 0608
210714A-LCS	Lab Control Spike	808041	8/9/2021 0637
210714A-LCSD	Lab Control SpikeD	808042	8/9/2021 0705
BA35745	ERH1464	808043	8/9/2021 0734
BA35748	ERH1466	808044	8/9/2021 0802
BA35750	ERH1468	808045	8/9/2021 0831
BA35753	ERH1470	808046	8/9/2021 0859

Comments: Batch: #DOC53-210714A

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

APPL ID: **210714W-35745 LCS - 267038**
Batch ID: #DOC53-210714A

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	1720	1740	86.0	87.0	36-132	1.2	30
OIL (C24-C40)	2000	1860	1890	93.0	94.5	41-113	1.6	30
SURROGATE: (R) DECANOIC ACID (S)	10.00	0	0	0.0	0.0	0-1		
SURROGATE: OCTACOSANE (S)	150	165	167	110	111	60-142		
SURROGATE: ORTHO-TERPHENYL (S)	150	134	135	89.3	90.0	56-125		

Comments:

Primary	SPK	DUP
Quant Method :	DOC0702.M	DOC0702.M
Extraction Date :	7/14/2021	7/14/2021
Analysis Date :	8/9/2021	8/9/2021
Instrument :	Apollo	Apollo
Run :	808041	808042
Initials :	LA	

Printed: 9/18/2021 9:05:04 AM
APPL Standard LCSD

EPA 8015B-eHL

Form 2 & 8

Surrogate Recovery

Lab Name: APPL, Inc. SDG No: 96778

Case No: 96778 Date Analyzed: 7/29/2021

Matrix: WATER Instrument: Apollo

APPL ID.	Client Sample No.	SURROGATE: OCTACOSANE (S)			SURROGATE: ORTHO-TERPHENYL (S)		
		Limits	Result	Qualifier	Limits	Result	Qualifier
210713B-BLK	Blank	60-142	116		56-125	82.4	
210713B-LCS	Lab Control Spike	60-142	116		56-125	83.3	
210713B-LCSD	Lab Control SpikeD	60-142	116		56-125	82.7	
BA35746	ERH1464 BLANK	60-142	121		56-125	87.0	
BA35749	ERH1466 BLANK	60-142	106		56-125	75.9	
BA35751	ERH1468 BLANK	60-142	114		56-125	82.2	
BA35754	ERH1470 BLANK	60-142	131		56-125	93.9	

Comments: Batch: #RHBLK-210713B

EPA 8015B-eH

Form 4

Blank Summary

Lab Name: APPL, Inc. SDG No: 96778

Case No: 96778 Date Analyzed: 7/29/2021

Matrix: WATER Instrument: Apollo

Blank ID: 210713B-BLK Time Analyzed: 1914

APPL ID.	Client Sample No.	File ID.	Date Analyzed
210713B-BLK	Blank	727107	7/29/2021 1914
210713B-LCS	Lab Control Spike	727108	7/29/2021 1943
210713B-LCSD	Lab Control SpikeD	727109	7/29/2021 2011
BA35746	ERH1464 BLANK	727110	7/29/2021 2040
BA35749	ERH1466 BLANK	727111	7/29/2021 2108
BA35751	ERH1468 BLANK	727112	7/29/2021 2136
BA35754	ERH1470 BLANK	727113	7/29/2021 2205

Comments: Batch: #RHBLK-210713B

Method Blank
EPA 8015B TPH LIQ-LIQ

Blank Name/QCG: **210713W-35746 - 266790**
Batch ID: #RHBLK-210713B

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	7/13/2021	7/29/2021
BLANK	OIL (C24-C40)	300.0 U	320	300.0	150.0	ug/L	7/13/2021	7/29/2021
BLANK	SURROGATE: OCTACOSANE (S)	116	60-142			%	7/13/2021	7/29/2021
BLANK	SURROGATE: ORTHO-TERPHEN	82.4	56-125			%	7/13/2021	7/29/2021

Quant Method: DOC0702.M
Run #: 727107
Instrument: Apollo
Sequence: 210727
Initials: LA

GC SC-Blank-REG MDLs-DOD
Printed: 9/18/2021 9:25:32 AM

EPA 8015B-eH

Form 4

LCS Summary

Lab Name: APPL, Inc. SDG No: 96778

Case No: 96778 Date Analyzed: 7/29/2021

Matrix: WATER Instrument: Apollo

LCS ID: 210713B-LCS Time Analyzed: 1943

APPL ID.	Client Sample No.	File ID.	Date Analyzed
210713B-BLK	Blank	727107	7/29/2021 1914
210713B-LCS	Lab Control Spike	727108	7/29/2021 1943
210713B-LCSD	Lab Control SpikeD	727109	7/29/2021 2011
BA35746	ERH1464 BLANK	727110	7/29/2021 2040
BA35749	ERH1466 BLANK	727111	7/29/2021 2108
BA35751	ERH1468 BLANK	727112	7/29/2021 2136
BA35754	ERH1470 BLANK	727113	7/29/2021 2205

Comments: Batch: #RHBLK-210713B

Laboratory Control Spike Recoveries
EPA 8015B TPH LIQ-LIQ

APPL ID: **210713W-35746 LCS - 266790**
Batch ID: #RHBLK-210713B

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Compound Name	Spike Lvl ug/L	SPK Result ug/L	DUP Result ug/L	SPK % Recovery	DUP % Recovery	Recovery Limits	RPD %	RPD Limits
DIESEL (C10-C24)	0	114	92.0	NA	NA	36-132		30
OIL (C24-C40)	0	81.8	75.6	NA	NA	41-113		30
SURROGATE: OCTACOSANE (S)	150	174	174	116	116	60-142		
SURROGATE: ORTHO-TERPHENYL (S)	150	125	124	83.3	82.7	56-125		

Comments:

Primary	SPK	DUP
Quant Method :	DOC0702.M	DOC0702.M
Extraction Date :	7/13/2021	7/13/2021
Analysis Date :	7/29/2021	7/29/2021
Instrument :	Apollo	Apollo
Run :	727108	727109
Initials :	LA	

8270D-SIM

Form 2 & 8

Surrogate Recovery

Lab Name: APPL, Inc. SDG No: 96778

Case No: 96778 Date Analyzed: 07/15/21

Matrix: WATER Instrument: Linus

APPL ID.	Client Sample No.	SURROGATE: 2-METHYLNAPHTHALENE-D10 (S)			SURROGATE: FLUORANTHENE-D10 (S)		
		Limits	Result	Qualifier	Limits	Result	Qualifier
210713A-BLK	Blank	39-114	74.1		58-120	87.2	
210713A-LCS	Lab Control Spike	39-114	93.4		58-120	96.8	
210713A-LCSD	Lab Control SpikeD	39-114	82.8		58-120	95.2	
BA35745	ERH1464	39-114	98.7		58-120	83.3	
BA35748	ERH1466	39-114	86.9		58-120	73.0	
BA35750	ERH1468	39-114	75.6		58-120	79.4	
BA35753	ERH1470	39-114	83.2		58-120	87.2	

Comments: Batch: #SIM53-210713A

8270D-SIM

Form 4

Blank Summary

Lab Name: APPL, Inc. SDG No: 96778

Case No: 96778 Date Analyzed: 07/15/21

Matrix: WATER Instrument: Linus

Blank ID: 210713A-BLK Time Analyzed: 1240

APPL ID.	Client Sample No.	File ID.	Date Analyzed
210713A-BLK	Blank	0715L014	07/15/21 1240
210713A-LCS	Lab Control Spike	0715L015	07/15/21 1302
210713A-LCSD	Lab Control SpikeD	0715L016	07/15/21 1325
BA35745	ERH1464	0715L017	07/15/21 1347
BA35748	ERH1466	0715L018	07/15/21 1409
BA35750	ERH1468	0715L019	07/15/21 1431
BA35753	ERH1470	0715L020	07/15/21 1453

Comments: Batch: #SIM53-210713A

Method Blank
EPA 8270D SIM LIQ-LIQ

APPL Inc.
908 North Temperance Avenu
Clovis, CA 93611

Blank Name/QCG: **210713W-35745 - 266367**
Batch ID: #SIM53-210713A

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	07/13/21	07/15/21
BLANK	2-METHYLNAPHTHALENE	0.10 U	0.2	0.10	0.04	ug/L	07/13/21	07/15/21
BLANK	NAPHTHALENE	0.10 U	0.2	0.10	0.04	ug/L	07/13/21	07/15/21
BLANK	SURROGATE: 2-METHYLNAPHT	74.1	39-114			%	07/13/21	07/15/21
BLANK	SURROGATE: FLUORANTHENE-	87.2	58-120			%	07/13/21	07/15/21

Quant Method:L0715.M
Run #:0715L014
Instrument:Linus
Sequence:L210715
Initials:LSI

GC SC-Blank-REG MDLs-DOD
Printed: 07/27/21 4:50:06 PM

8270D-SIM

Form 4

LCS Summary

Lab Name:	APPL, Inc.	SDG No:	96778
Case No:	96778	Date Analyzed:	07/15/21
Matrix:	WATER	Instrument:	Linus
LCS ID:	210713A-LCS	Time Analyzed:	1302

APPL ID.	Client Sample No.	File ID.	Date Analyzed
210713A-BLK	Blank	0715L014	07/15/21 1240
210713A-LCS	Lab Control Spike	0715L015	07/15/21 1302
210713A-LCSD	Lab Control SpikeD	0715L016	07/15/21 1325
BA35745	ERH1464	0715L017	07/15/21 1347
BA35748	ERH1466	0715L018	07/15/21 1409
BA35750	ERH1468	0715L019	07/15/21 1431
BA35753	ERH1470	0715L020	07/15/21 1453

Comments: Batch: #SIM53-210713A

Laboratory Control Spike Recoveries
EPA 8270D SIM LIQ-LIQ

APPL ID: **210713W-35745 LCS - 266367**
Batch ID: #SIM53-210713A

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Compound Name	Spike Lvl ug/L	SPK Result ug/L	DUP Result ug/L	SPK % Recovery	DUP % Recovery	Recovery Limits	RPD %	RPD Limits
1-METHYLNAPHTHALENE	5.00	4.50	4.15	90.0	83.0	41-115	8.1	20
2-METHYLNAPHTHALENE	5.00	4.51	4.15	90.2	83.0	39-114	8.3	20
NAPHTHALENE	5.00	4.60	4.21	92.0	84.2	43-114	8.9	20
SURROGATE: 2-METHYLNAPHTHALEN	5.00	4.67	4.14	93.4	82.8	39-114		
SURROGATE: FLUORANTHENE-D10 (S)	5.00	4.84	4.76	96.8	95.2	58-120		

Comments:

Primary	SPK	DUP
Quant Method :	L0715.M	L0715.M
Extraction Date :	07/13/21	07/13/21
Analysis Date :	07/15/21	07/15/21
Instrument :	Linus	Linus
Run :	0715L015	0715L016
Initials :	LSI	

Form 5
Tune Summary

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

SDG No:
Date Analyzed: 07/15/21
Instrument: Linus
Time Analyzed: 8:48

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

m/e		
51	9.95 - 80.1% of mass 198	59.2
68	0 - 2.05% of mass 69	0.0
70	0 - 2% of mass 69	0.5
127	10 - 80% of mass 198	61.7
197	0 - 2% of mass 198	0.0
198	100 - 100% of mass 198	100.0
199	5 - 9% of mass 198	6.6
275	10 - 60% of mass 198	20.7
365	1 - 100% of mass 198	3.2
441	0.01 - 24% of mass 442	17.9
442	50 - 500% of mass 198	56.6
443	15 - 24% of mass 442	19.1

Form 5
Tune Summary

Lab Name: APPL Inc.
Case No: 96778
Matrix: Water
ID: 0715L013.D

SDG No: 96778
Date Analyzed: 07/15/21
Instrument: Linus
Time Analyzed: 12:22

	Client Sample No.	APPL ID.	File ID.	Date Analyzed
1	Blank	210713A BLK 1/1000	0715L014.D	07/15/21 12:40
2	Lab Control Spike	210713A LCS-1 1/1000	0715L015.D	07/15/21 13:02
3	Lab Control SpikeD	210713A LCSD-1 1/100	0715L016.D	07/15/21 13:25
4	ERH1464	BA35745W05 1/810	0715L017.D	07/15/21 13:47
5	ERH1466	BA35748W06 1/840	0715L018.D	07/15/21 14:09
6	ERH1468	BA35750W05 1/800	0715L019.D	07/15/21 14:31
7	ERH1470	BA35753W05 1/860	0715L020.D	07/15/21 14:53
8		5 SIM 07/08/21	0715L039.D	07/15/21 21:54
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				

m/e		
51	9.95 - 80.1% of mass 198	57.0
68	0 - 2.05% of mass 69	0.0
70	0 - 2% of mass 69	0.6
127	10 - 80% of mass 198	63.5
197	0 - 2% of mass 198	0.0
198	100 - 100% of mass 198	100.0
199	5 - 9% of mass 198	7.0
275	10 - 60% of mass 198	21.6
365	1 - 100% of mass 198	3.1
441	0.01 - 24% of mass 442	17.6
442	50 - 500% of mass 198	62.6
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): 0715L008.D Date Analyzed: 07/15/21

Instrument ID: Linus Time Analyzed: 10:32

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

		Chrysene-D12(IS)		Perylene-D12(IS)			
		AREA #	RT #	AREA #	RT #	AREA #	RT #
	12 HOUR STD	41147	10.87	36706	13.25		
	UPPER LIMIT	82294	11.04	73412	13.42		
	LOWER LIMIT	20574	10.70	18353	13.08		
	SAMPLE NO.						
01	210713A BLK 1/1000	55397	10.87	48970	13.25		
02	210713A LCS-1 1/1000	46779	10.87	42492	13.25		
03	210713A LCSD-1 1/100(	50601	10.87	45855	13.25		
04	BA35745W05 1/810	43738	10.87	39430	13.24		
05	BA35748W06 1/840	46407	10.87	42677	13.24		
06	BA35750W05 1/800	44781	10.87	41701	13.25		
07	BA35753W05 1/860	50632	10.87	27318	13.25		
08	5 SIM 07/08/21	53925	10.87	49145	13.25		
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): 0715L008.D Date Analyzed: 07/15/21

Instrument ID: Linus Time Analyzed: 10:32

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	34900	4.05	16606	6.05	27860	7.76
	UPPER LIMIT	69800	4.22	33212	6.22	55720	7.93
	LOWER LIMIT	17450	3.88	8303	5.88	13930	7.59
	SAMPLE NO.						
01	210713A BLK 1/1000	45618	4.05	22099	6.05	33506	7.77
02	210713A LCS-1 1/1000	35203	4.05	17199	6.05	31495	7.76
03	210713A LCSD-1 1/100	39179	4.05	19428	6.05	33238	7.76
04	BA35745W05 1/810	30502	4.05	17297	6.05	29239	7.76
05	BA35748W06 1/840	34704	4.05	17620	6.05	30547	7.76
06	BA35750W05 1/800	21471	4.05	10802	6.05	18068	7.76
07	BA35753W05 1/860	39257	4.05	19319	6.05	34413	7.76
08	5 SIM 07/08/21	29118	4.06	15606	6.05	37700	7.77
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: 96778

Case No: 96778 Date Analyzed: 7/14/2021

Matrix: WATER Instrument: Loki

APPL ID.	Client Sample No.	SURROGATE: 1,2-DICHLOROETHANE-D4 (S)			SURROGATE: 4-BROMOFLUOROBENZENE (S)		
		Limits	Result	Qualifier	Limits	Result	Qualifier
210714BL-LCS	Lab Control Spike	81-118	99.6		85-114	94.4	
210714BL-LCSD	Lab Control SpikeD	81-118	98.8		85-114	94.4	
210714BL-BLK	Blank	81-118	104		85-114	86.4	
BA35744	ERH1463	81-118	104		85-114	86.8	
BA35745	ERH1464	81-118	103		85-114	84.9	
BA35747	ERH1465	81-118	104		85-114	89.6	
BA35748	ERH1466	81-118	103		85-114	90.8	
BA35750	ERH1468	81-118	100		85-114	85.9	
BA35752	ERH1469	81-118	101		85-114	88.1	
BA35753	ERH1470	81-118	103		85-114	89.9	

Comments: Batch: #86BTO-210714BL

EPA 8260B

Form 2 & 8

Surrogate Recovery

Lab Name: APPL, Inc. SDG No: 96778

Case No: 96778 Date Analyzed: 7/14/2021

Matrix: WATER Instrument: Loki

APPL ID.	Client Sample No.	SURROGATE: DIBROMOFLUOROMETHANE (S)			SURROGATE: TOLUENE-D8 (S)		
		Limits	Result	Qualifier	Limits	Result	Qualifier
210714BL-LCS	Lab Control Spike	80-119	102		89-112	100	
210714BL-LCSD	Lab Control SpikeD	80-119	98.8		89-112	98.0	
210714BL-BLK	Blank	80-119	102		89-112	95.3	
BA35744	ERH1463	80-119	102		89-112	95.4	
BA35745	ERH1464	80-119	102		89-112	94.1	
BA35747	ERH1465	80-119	103		89-112	96.6	
BA35748	ERH1466	80-119	104		89-112	96.9	
BA35750	ERH1468	80-119	102		89-112	95.0	
BA35752	ERH1469	80-119	102		89-112	96.0	
BA35753	ERH1470	80-119	102		89-112	96.5	

Comments: Batch: #86BTO-210714BL

EPA 8260B

Form 4

Blank Summary

Lab Name: APPL, Inc. SDG No: 96778

Case No: 96778 Date Analyzed: 7/15/2021

Matrix: WATER Instrument: Loki

Blank ID: 210714BL-BLK Time Analyzed: 0146

APPL ID.	Client Sample No.	File ID.	Date Analyzed
210714BL-LCS	Lab Control Spike	0714L30	7/14/2021 2329
210714BL-LCSD	Lab Control SpikeD	0714L31	7/14/2021 2357
210714BL-BLK	Blank	0714L35	7/15/2021 0146
BA35744	ERH1463	0714L36	7/15/2021 0214
BA35745	ERH1464	0714L37	7/15/2021 0242
BA35747	ERH1465	0714L38	7/15/2021 0309
BA35748	ERH1466	0714L39	7/15/2021 0337
BA35750	ERH1468	0714L40	7/15/2021 0404
BA35752	ERH1469	0714L41	7/15/2021 0432
BA35753	ERH1470	0714L42	7/15/2021 0459

Comments: Batch: #86BTO-210714BL

Method Blank
EPA 8260B BTEX WATER

Blank Name/QCG: **210714W-35744 - 266387**
Batch ID: #86BTO-210714BL

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	7/15/2021	7/15/2021
BLANK	ETHYLBENZENE	0.50 U	1.0	0.50	0.23	ug/L	7/15/2021	7/15/2021
BLANK	TOLUENE	0.30 U	1.0	0.30	0.15	ug/L	7/15/2021	7/15/2021
BLANK	XYLENES (TOTAL)	0.30 U	2.0	0.30	0.15	ug/L	7/15/2021	7/15/2021
BLANK	SURROGATE: 1,2-DICHLOROET	104	81-118			%	7/15/2021	7/15/2021
BLANK	SURROGATE: 4-BROMOFLUOR	86.4	85-114			%	7/15/2021	7/15/2021
BLANK	SURROGATE: DIBROMOFLUOR	102	80-119			%	7/15/2021	7/15/2021
BLANK	SURROGATE: TOLUENE-D8 (S)	95.3	89-112			%	7/15/2021	7/15/2021

Quant Method: L0712NEW.
Run #: 0714L35
Instrument: Loki
Sequence: 210712
Initials: JPR

GC SC-Blank-REG MDLs-DOD
Printed: 9/13/2021 2:59:32 PM

EPA 8260B

Form 4

LCS Summary

Lab Name:	APPL, Inc.	SDG No:	96778
Case No:	96778	Date Analyzed:	7/14/2021
Matrix:	WATER	Instrument:	Loki
LCS ID:	210714BL-LCS	Time Analyzed:	2329

APPL ID.	Client Sample No.	File ID.	Date Analyzed
210714BL-LCS	Lab Control Spike	0714L30	7/14/2021 2329
210714BL-LCSD	Lab Control SpikeD	0714L31	7/14/2021 2357
210714BL-BLK	Blank	0714L35	7/15/2021 0146
BA35744	ERH1463	0714L36	7/15/2021 0214
BA35745	ERH1464	0714L37	7/15/2021 0242
BA35747	ERH1465	0714L38	7/15/2021 0309
BA35748	ERH1466	0714L39	7/15/2021 0337
BA35750	ERH1468	0714L40	7/15/2021 0404
BA35752	ERH1469	0714L41	7/15/2021 0432
BA35753	ERH1470	0714L42	7/15/2021 0459

Comments: Batch: #86BTO-210714BL

Laboratory Control Spike Recoveries
EPA 8260B BTEX WATER

APPL ID: **210714W-35744 LCS - 266387**
Batch ID: #86BTO-210714BL

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	9.22	12.3	92.2	123 #	79-120	28.6 #	20
ETHYLBENZENE	10.00	8.36	11.2	83.6	112	79-121	29.0 #	20
TOLUENE	10.00	9.34	11.6	93.4	116	80-121	21.6 #	20
XYLENES (TOTAL)	30.0	25.6	32.4	85.3	108	79-121	23.4 #	20
SURROGATE: 1,2-DICHLOROETHANE-D	25.0	24.9	24.7	99.6	98.8	81-118		
SURROGATE: 4-BROMOFLUOROBENZE	25.0	23.6	23.6	94.4	94.4	85-114		
SURROGATE: DIBROMOFLUOROMETH	25.0	25.5	24.7	102	98.8	80-119		
SURROGATE: TOLUENE-D8 (S)	25.0	25.1	24.5	100	98.0	89-112		

= Recovery is outside QC limits.

Comments:

Primary	SPK	DUP
Quant Method :	L0712NEW.M	L0712NEW.M
Extraction Date :	7/14/2021	7/14/2021
Analysis Date :	7/14/2021	7/14/2021
Instrument :	Loki	Loki
Run :	0714L30	0714L31
Initials :	JPR	

Form 5
Tune Summary

Lab Name: APPL Inc.
Case No:
Matrix: Water
ID: 0712L11.D

SDG No:
Date Analyzed: 7/12/2021
Instrument: Loki
Time Analyzed: 13:42

	Client Sample No.	APPL ID.	File ID.	Date Analyzed
1		0.3ug/L VOC STD 7/12	0712L12.D	7/12/2021 14:09
2		0.5ug/L VOC STD 7/12	0712L13.D	7/12/2021 14:37
3		1ug/L VOC STD 7/12/2	0712L14.D	7/12/2021 15:04
4		2ug/L VOC STD 7/12/2	0712L15.D	7/12/2021 15:32
5		5ug/L VOC STD 7/12/2	0712L16.D	7/12/2021 15:59
6		10ug/L VOC STD 7/12/	0712L17.D	7/12/2021 16:27
7		20ug/L VOC STD 7/12/	0712L18.D	7/12/2021 16:54
8		40ug/L VOC STD 7/12/	0712L19.D	7/12/2021 17:22
9		100ug/L VOC STD 7/12	0712L20.D	7/12/2021 17:49
10		(SS) 10ug/L VOC STD	0712L22.D	7/12/2021 18:45
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				

m/e		
50	15 - 40% of mass 95	18.3
75	30 - 60% of mass 95	47.8
95	100 - 100% of mass 95	100.0
96	5 - 9% of mass 95	6.6
173	0 - 2% of mass 174	0.8
174	50 - 200% of mass 95	97.2
175	5 - 9% of mass 174	7.2
176	94.9 - 100% of mass 174	97.2
177	5 - 9% of mass 176	6.1

Form 5
Tune Summary

Lab Name: APPL Inc.
Case No: 96778
Matrix: Water
ID: 0714L28.D

SDG No: 96778
Date Analyzed: 7/14/2021
Instrument: Loki
Time Analyzed: 22:34

	Client Sample No.	APPL ID.	File ID.	Date Analyzed
1		210714B CCV 10ug/L	0714L29.D	7/14/2021 23:01
2	Lab Control Spike	210714B LCS 10ug/L	0714L30.D	7/14/2021 23:29
3	Lab Control SpikeD	210714B LCSD 10ug/L	0714L31.D	7/14/2021 23:57
4	Blank	210714B BLK	0714L35.D	7/15/2021 1:46
5	ERH1463	BA35744W01	0714L36.D	7/15/2021 2:14
6	ERH1464	BA35745W01	0714L37.D	7/15/2021 2:42
7	ERH1465	BA35747W01	0714L38.D	7/15/2021 3:09
8	ERH1466	BA35748W01	0714L39.D	7/15/2021 3:37
9	ERH1468	BA35750W01	0714L40.D	7/15/2021 4:04
10	ERH1469	BA35752W01	0714L41.D	7/15/2021 4:32
11	ERH1470	BA35753W01	0714L42.D	7/15/2021 4:59
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				

m/e		
50	15 - 40% of mass 95	19.0
75	30 - 60% of mass 95	49.2
95	100 - 100% of mass 95	100.0
96	5 - 9% of mass 95	6.4
173	0 - 2% of mass 174	1.1
174	50 - 200% of mass 95	98.3
175	5 - 9% of mass 174	7.6
176	94.9 - 100% of mass 174	95.1
177	5 - 9% of mass 176	6.6

8A
INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: APPL Inc. Contract:

Lab Code: SDG No.:

Lab File ID (Standard): 0712L17.D Date Analyzed: 07/12/21

Instrument ID: Loki Time Analyzed: 16:27

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

		Fluorobenzene (IS)		Chlorobenzene-D5 (IS)		1,4-Dichlorobenzene-D4 (IS)	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
	12 HOUR STD	970940	6.53	752925	9.99	428056	12.56
	UPPER LIMIT	1941880	6.70	1505850	10.16	856112	12.73
	LOWER LIMIT	485470	6.36	376463	9.82	214028	12.39
	SAMPLE NO.						
01	210714B CCV 10ug/L	751443	6.53	574962	9.99	323843	12.55
02	210714B LCS 10ug/L	743987	6.53	567354	9.99	314100	12.56
03	210714B LCSD 10ug/L	761278	6.53	583121	9.99	330838	12.56
04	BA35744W01	718614	6.53	558534	9.99	279275	12.56
05	BA35745W01	688948	6.53	539802	9.99	269880	12.55
06	BA35747W01	692566	6.53	534580	9.99	272393	12.56
07	BA35748W01	711779	6.53	553999	9.99	291102	12.55
08	BA35750W01	735182	6.53	570305	9.99	281766	12.56
09	BA35752W01	720315	6.53	551477	9.99	277244	12.56
10	BA35753W01	706263	6.53	548719	9.99	273311	12.56
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): 0712L17.D Date Analyzed: 07/12/21

Instrument ID: Loki Time Analyzed: 16:27

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

		AREA	#	RT	#	AREA	#	RT	#	AREA	#	RT	#
	12 HOUR STD												
	UPPER LIMIT												
	LOWER LIMIT												
	SAMPLE												
	NO.												
01	210714B CCV 10ug/L												
02	210714B LCS 10ug/L												
03	210714B LCSD 10ug/L												
04	BA35744W01												
05	BA35745W01												
06	BA35747W01												
07	BA35748W01												
08	BA35750W01												
09	BA35752W01												
10	BA35753W01												
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: 96778

Case No: 96778 Date Analyzed: 07/15/21

Matrix: WATER Instrument: Loki

APPL ID.	Client Sample No.	SURROGATE: 4-BROMOFLUOROBENZENE (S)					
		Limits	Result	Qualifier	Limits	Result	Qualifier
210714BL-LCS	Lab Control Spike	85-114	87.2				
210714BL-LCSD	Lab Control SpikeD	85-114	88.0				
210714BL-BLK	Blank	85-114	84.1	#			
BA35744	ERH1463	85-114	84.5				
BA35745	ERH1464	85-114	82.6	#			
BA35747	ERH1465	85-114	87.2				
BA35748	ERH1466	85-114	88.3				
BA35750	ERH1468	85-114	83.6	#			
BA35752	ERH1469	85-114	85.7				
BA35753	ERH1470	85-114	87.5				

Comments: Batch: #GRO86-210714BL

= Recovery outside of Control Limits on Sample.

EPA 8260B

Form 4

Blank Summary

Lab Name:	APPL, Inc.	SDG No:	96778
Case No:	96778	Date Analyzed:	07/15/21
Matrix:	WATER	Instrument:	Loki
Blank ID:	210714BL-BLK	Time Analyzed:	0146

APPL ID.	Client Sample No.	File ID.	Date Analyzed
210714BL-LCS	Lab Control Spike	0714L33	07/15/21 0051
210714BL-LCSD	Lab Control SpikeD	0714L34	07/15/21 0119
210714BL-BLK	Blank	0714L35	07/15/21 0146
BA35744	ERH1463	0714L36	07/15/21 0214
BA35745	ERH1464	0714L37	07/15/21 0242
BA35747	ERH1465	0714L38	07/15/21 0309
BA35748	ERH1466	0714L39	07/15/21 0337
BA35750	ERH1468	0714L40	07/15/21 0404
BA35752	ERH1469	0714L41	07/15/21 0432
BA35753	ERH1470	0714L42	07/15/21 0459

Comments: Batch: #GRO86-210714BL

Method Blank
EPA 8260B GRO WATER

Blank Name/QCG: **210714W-35744 - 266437**
Batch ID: #GRO86-210714BL

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	07/15/21	07/15/21
BLANK	SURROGATE: 4-BROMOFLUORO	84.1 #	85-114			%	07/15/21	07/15/21

= Recovery (or RPD) is outside QC limits.

Quant Method:LGAS0712.M
Run #:0714L35
Instrument:Loki
Sequence:210712
Initials:JPR

GC SC-Blank-REG MDLs-DOD
Printed: 07/29/21 11:52:45 AM

EPA 8260B

Form 4

LCS Summary

Lab Name:	APPL, Inc.	SDG No:	96778
Case No:	96778	Date Analyzed:	07/15/21
Matrix:	WATER	Instrument:	Loki
LCS ID:	210714BL-LCS	Time Analyzed:	0051

APPL ID.	Client Sample No.	File ID.	Date Analyzed
210714BL-LCS	Lab Control Spike	0714L33	07/15/21 0051
210714BL-LCSD	Lab Control SpikeD	0714L34	07/15/21 0119
210714BL-BLK	Blank	0714L35	07/15/21 0146
BA35744	ERH1463	0714L36	07/15/21 0214
BA35745	ERH1464	0714L37	07/15/21 0242
BA35747	ERH1465	0714L38	07/15/21 0309
BA35748	ERH1466	0714L39	07/15/21 0337
BA35750	ERH1468	0714L40	07/15/21 0404
BA35752	ERH1469	0714L41	07/15/21 0432
BA35753	ERH1470	0714L42	07/15/21 0459

Comments: Batch: #GRO86-210714BL

Laboratory Control Spike Recoveries
EPA 8260B GRO WATER

APPL ID: **210715W-35744 LCS - 266437**
Batch ID: #GRO86-210714BL

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	285	267	95.0	89.0	78-122	6.5	20
SURROGATE: 4-BROMOFLUOROBENZE	25.0	21.8	22.0	87.2	88.0	85-114		

Comments:

Primary	SPK	DUP
Quant Method :	LGAS0712.M	LGAS0712.M
Extraction Date :	07/15/21	07/15/21
Analysis Date :	07/15/21	07/15/21
Instrument :	Loki	Loki
Run :	0714L33	0714L34
Initials :	JPR	

ORGANICS

Calibration Data

TPH Extractables
DOC0702

Form 6
Initial Calibration

Lab Name: APPL, Inc. SDG No:
Case No: Initial Cal. Date: 07/02/21
Matrix: Water Instrument: Apollo
Initials: MB

			702005.D	702006.D	702007.D	702008.D	702009.D	702010.D	702011.D								
		Compound	1	2	3	4	5	6	7				Avg	%RSD	Type	r^2	Q
1	HATM	Diesel (C10-C24)	3016894	1951949	2014939	2067917	2039722	2119264	2139867				2192936	17	HATM		
2	HBTM	Motor Oil (C24-C40)		1676406	1491952	1522421	1492860	1546113	1554117				1547312	4.4	HBTM		
3	SA	Ortho-Terphenyl(S)	2636466	2540006	2431557	2529925	2422677	2435838	2499496				2499423	3.1	SA		
4	SA	Octacosane(S)	1728504	1650255	1588691	1695307	1644244	1699403	1705536				1673134	2.9	SA		
5																	
6																	
7																	
8																	
9																	
10																	
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35																	

0.776978

FORM61

APPL 07/06/21 8:48 AM

Data File : G:\APOLLO\DATA\210702\702005.D Vial: 5
Acq On : 7-2-21 14:35:23 Operator: MB
Sample : DMO STD-1 07/02/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Jul 6 8:47 2021 Quant Results File: DOC0702.RES

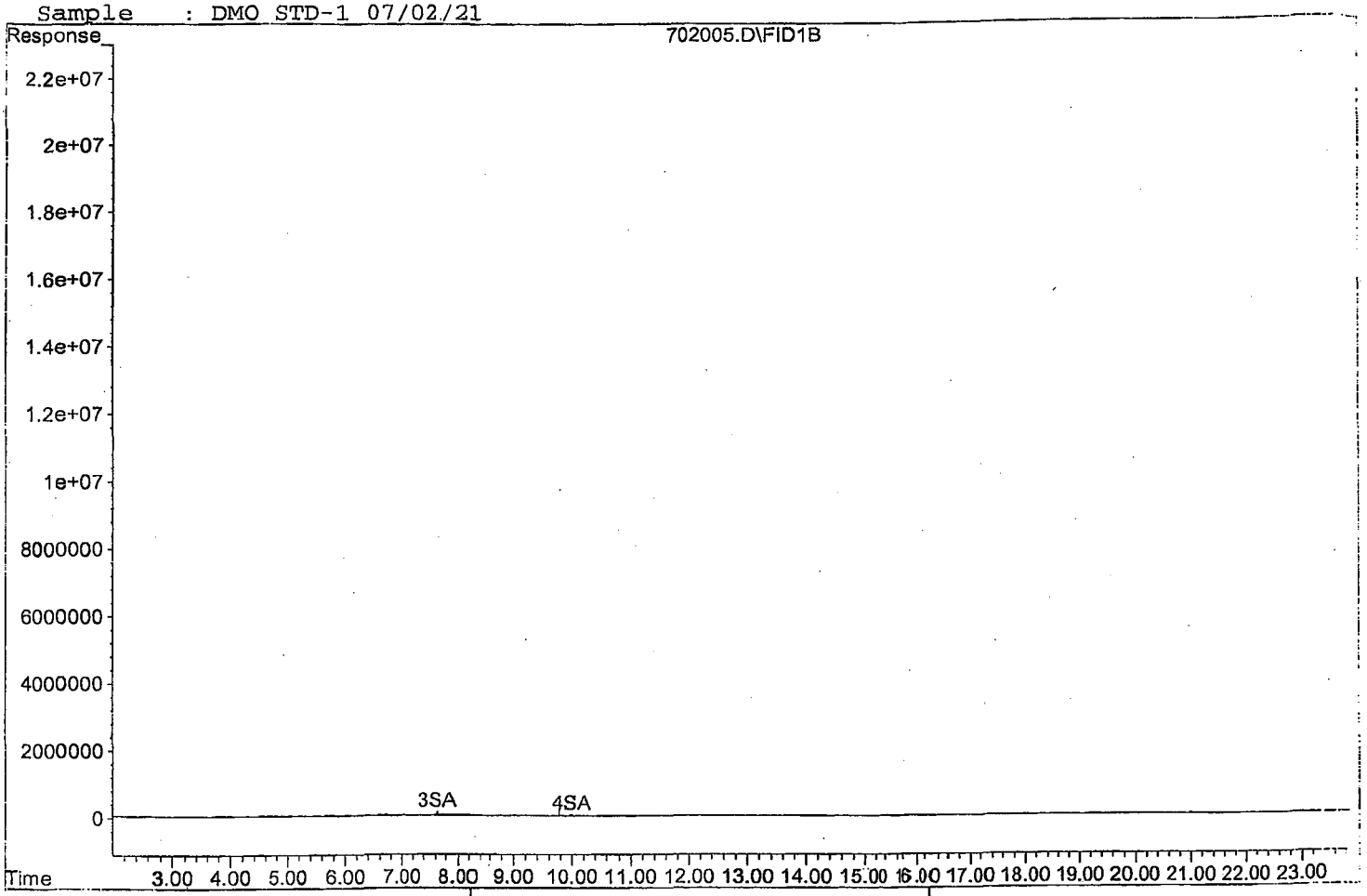
Method : G:\APOLLO\DATA\210702\DOC0702.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Tue Jul 06 08:45:30 2021
Response via : Multiple Level Calibration

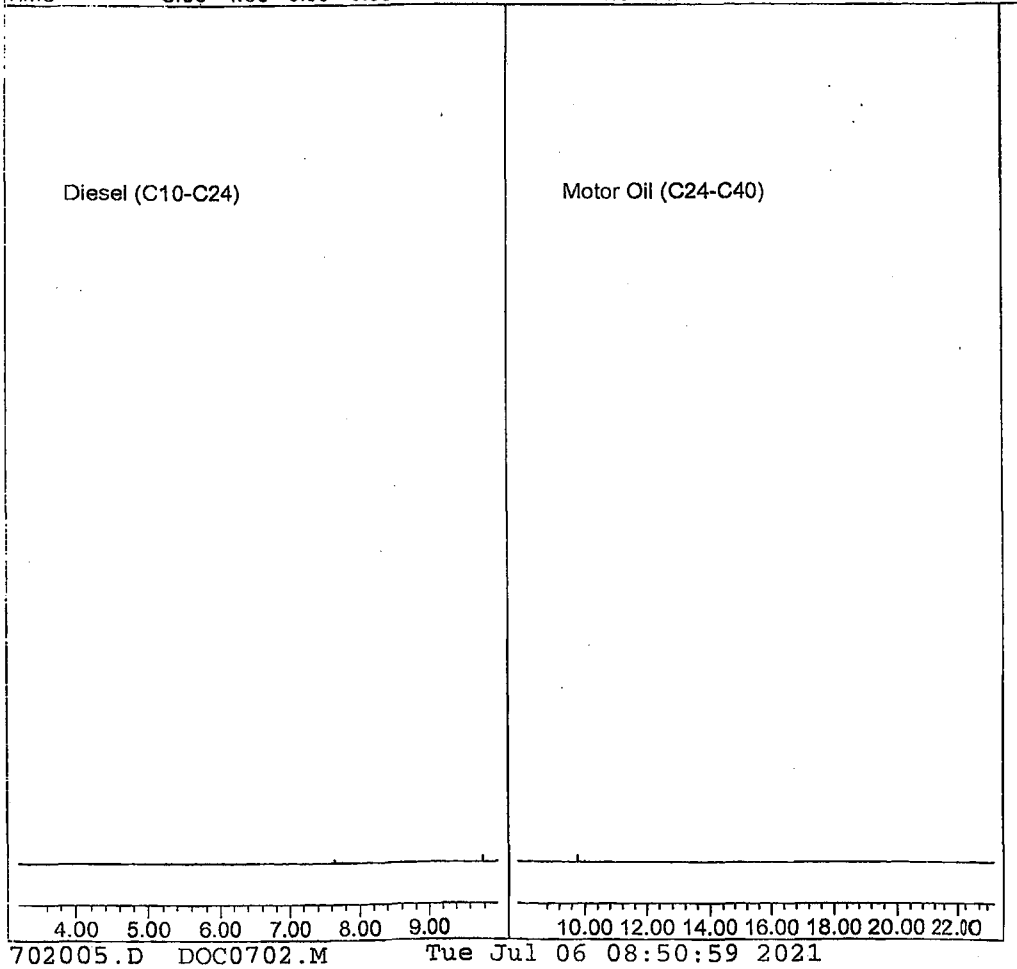
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.63	1318233	0.264 ppb
Surrogate Spike 30.000	Recovery	=	0.88%
4) SA Octacosane(S)	9.99	864252	0.258 ppb
Surrogate Spike 30.000	Recovery	=	0.86%
Target Compounds			
1) HATM Diesel (C10-C24)	6.59	30168940	6.879 ppb
2) HBTM Motor Oil (C24-C40)	15.58	26926949	8.701 ppb
Target Compounds			

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

Data File: G:\APOLLO\DATA\210702\702005.D
Sample : DMO STD-1 07/02/21





Data File : G:\APOLLO\DATA\210702\702006.D Vial: 6
Acq On : 7-2-21 15:03:41 Operator: MB
Sample : DMO STD-2 07/02/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Jul 6 8:47 2021 Quant Results File: DOC0702.RES

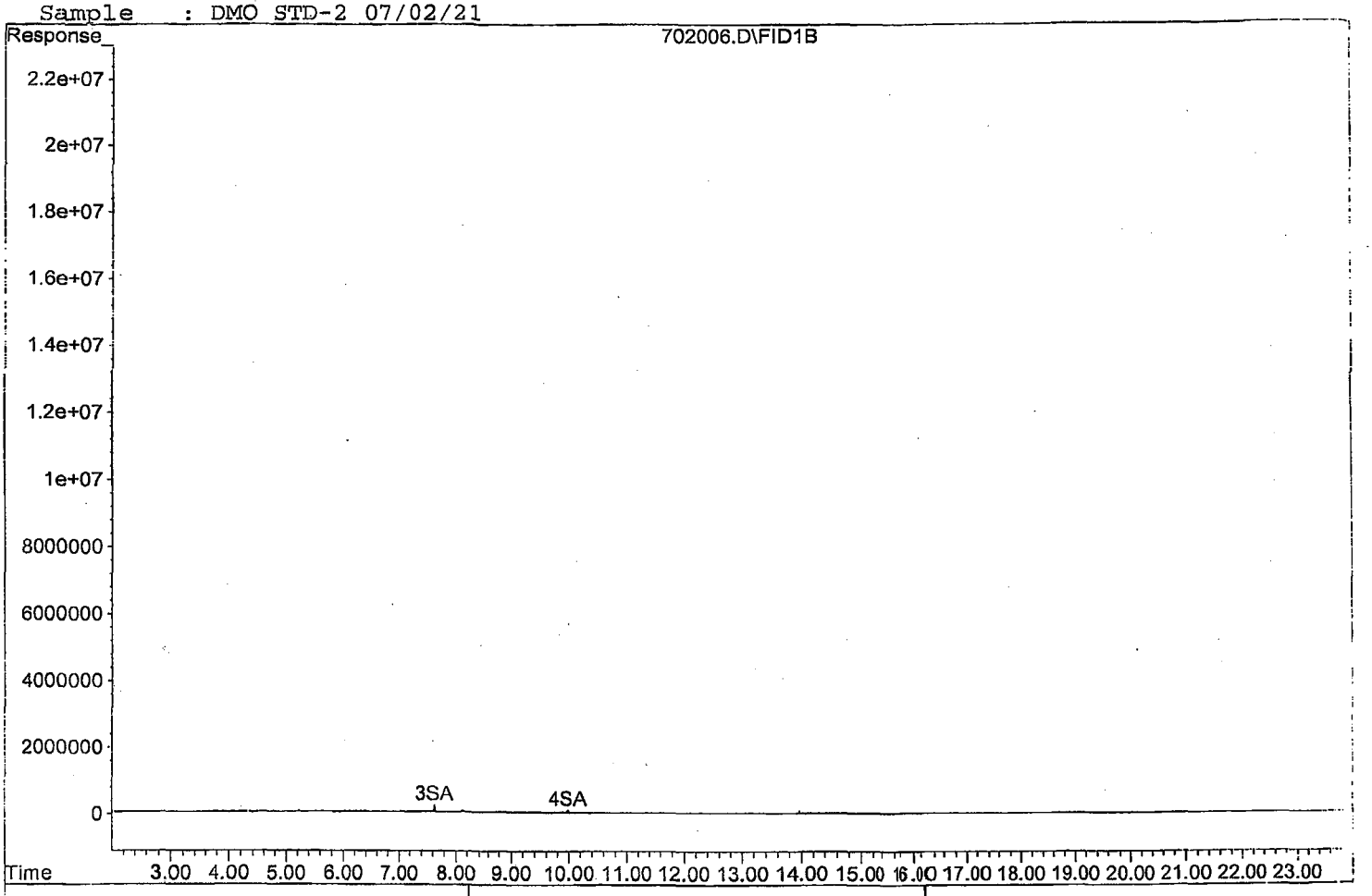
Method : G:\APOLLO\DATA\210702\DOC0702.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Tue Jul 06 08:45:30 2021
Response via : Multiple Level Calibration

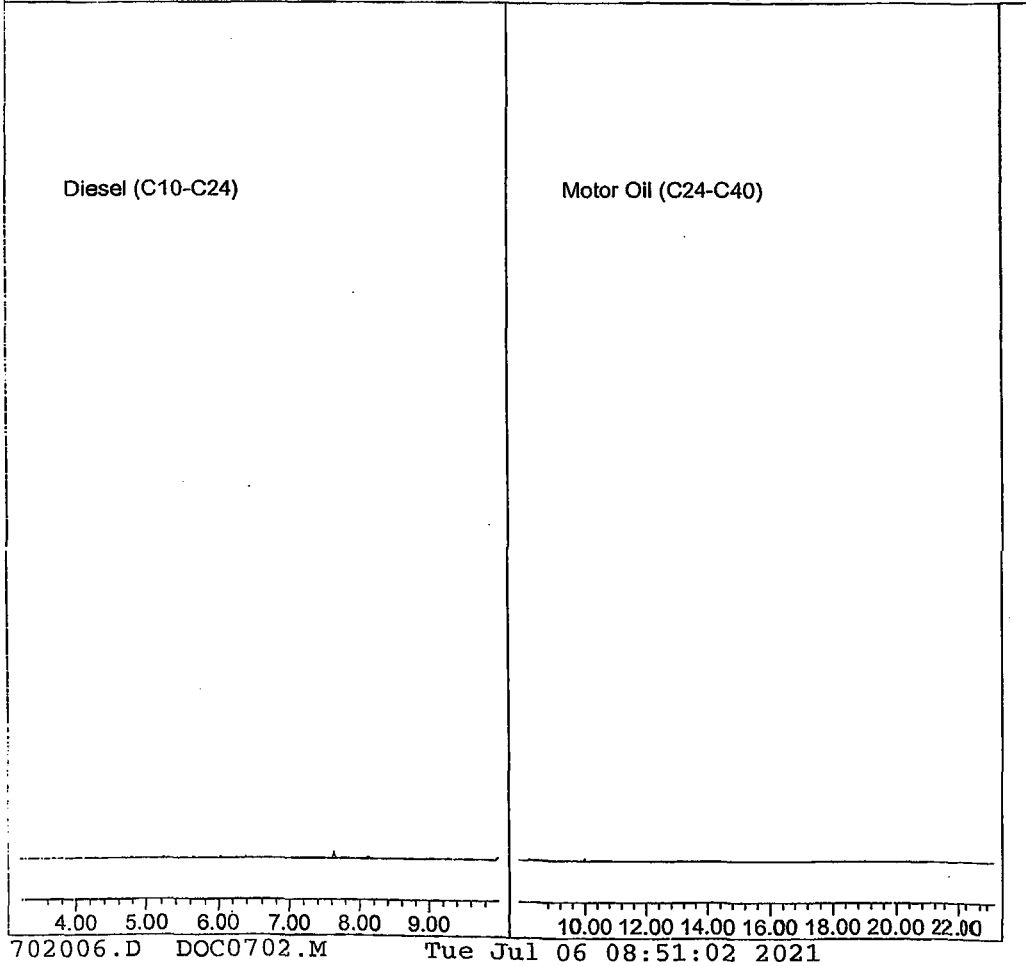
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.63	2540006	0.508 ppb
Surrogate Spike 30.000	Recovery =		1.69%
4) SA Octacosane(S)	9.99	1650255	0.493 ppb
Surrogate Spike 30.000	Recovery =		1.64%
Target Compounds			
1) HATM Diesel (C10-C24)	6.59	39038983	8.901 ppb
2) HBTM Motor Oil (C24-C40)	15.58	33528117	10.834 ppb
Target Compounds			

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

Data File: G:\APOLLO\DATA\210702\702006.D
Sample : DMO STD-2 07/02/21





Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\210702\702007.D Vial: 7
Acq On : 7-2-21 15:32:00 Operator: MB
Sample : DMO STD-3 07/02/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Jul 6 8:47 2021 Quant Results File: DOC0702.RES

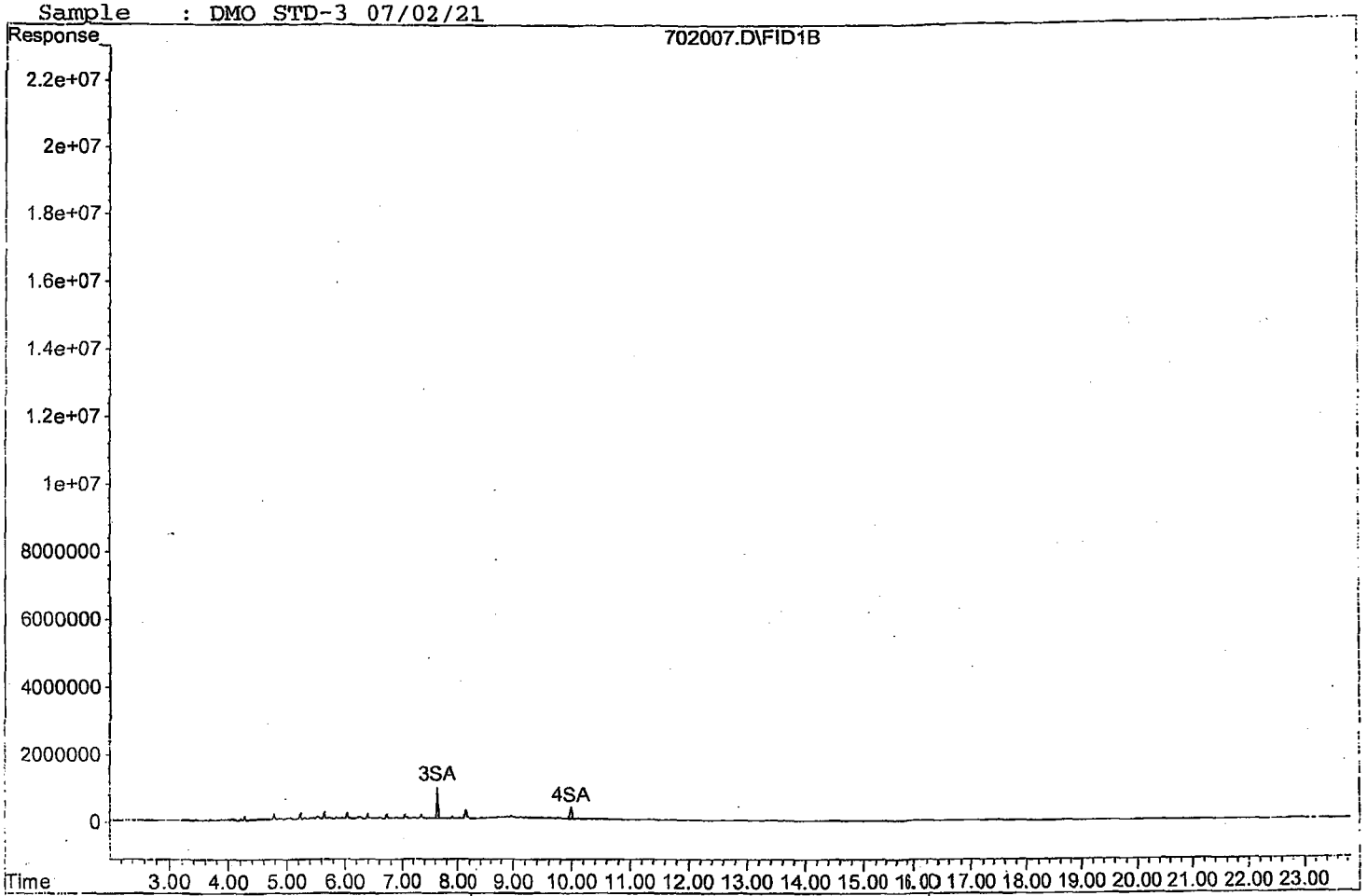
Method : G:\APOLLO\DATA\210702\DOC0702.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Tue Jul 06 08:45:30 2021
Response via : Multiple Level Calibration

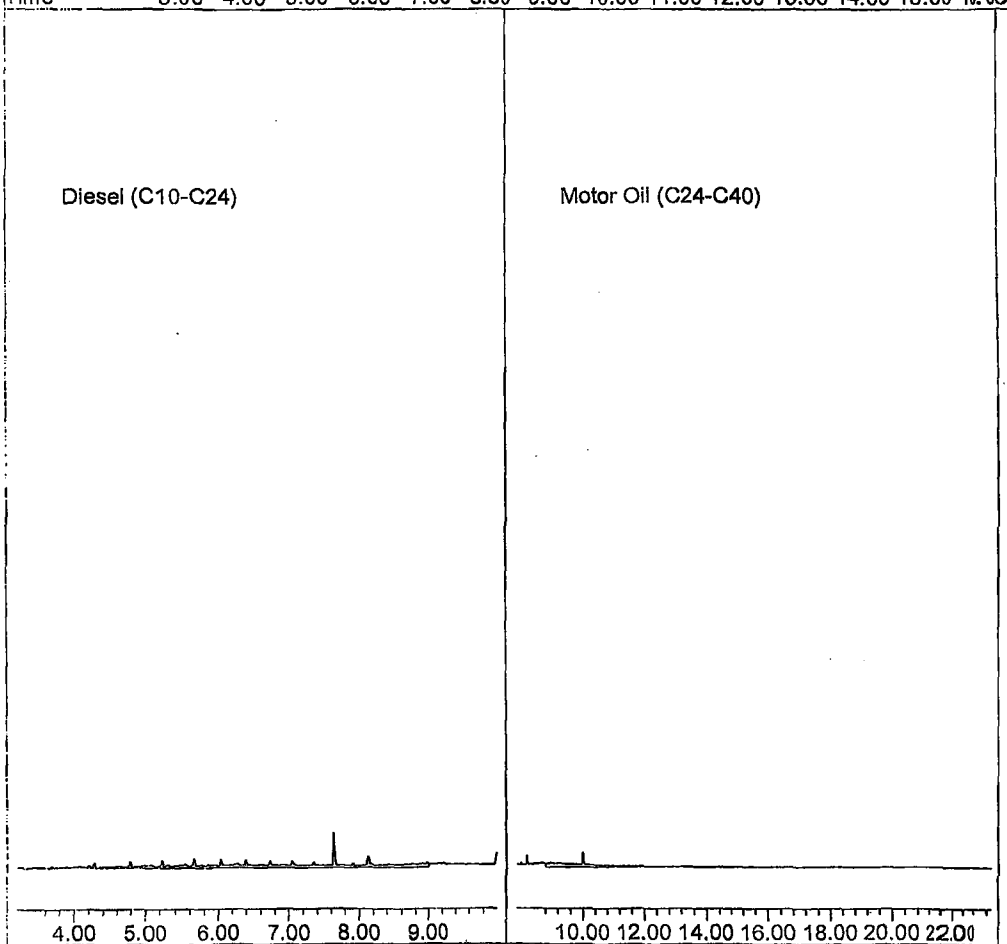
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.63	12157783	2.432 ppb
Surrogate Spike 30.000		Recovery =	8.11%
4) SA Octacosane(S)	9.99	7943456	2.374 ppb
Surrogate Spike 30.000		Recovery =	7.91%
Target Compounds			
1) HATM Diesel (C10-C24)	6.59	201493934	45.942 ppb
2) HBTM Motor Oil (C24-C40)	15.58	149195183	48.211 ppb
Target Compounds			

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

Data File: G:\APOLLO\DATA\210702\702007.D
Sample : DMO STD-3 07/02/21





Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\210702\702008.D Vial: 8
Acq On : 7-2-21 16:01:03 Operator: MB
Sample : DMO STD-4 07/02/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Jul 6 8:47 2021 Quant Results File: DOC0702.RES

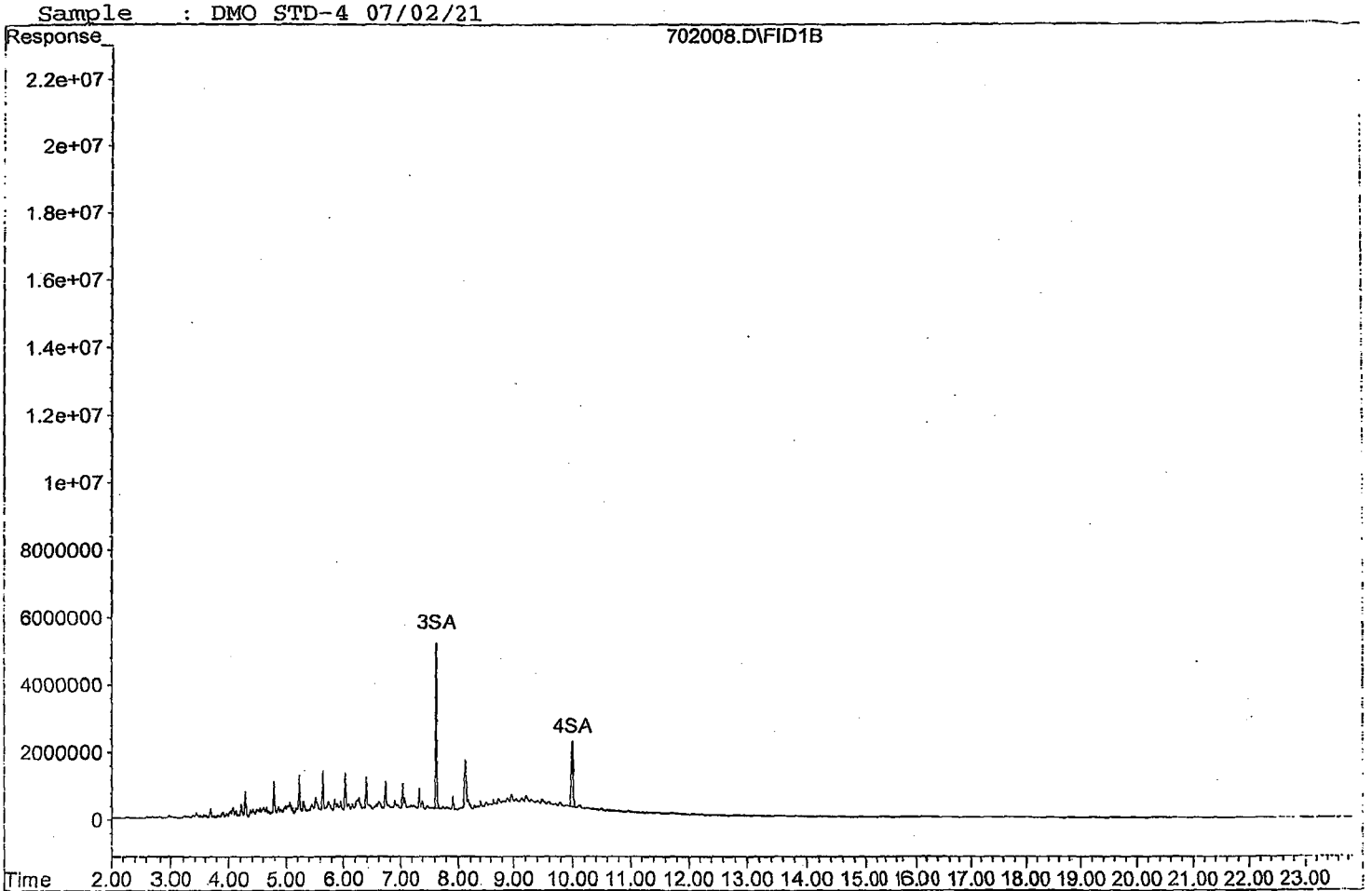
Method : G:\APOLLO\DATA\210702\DOC0702.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Tue Jul 06 08:45:30 2021
Response via : Multiple Level Calibration

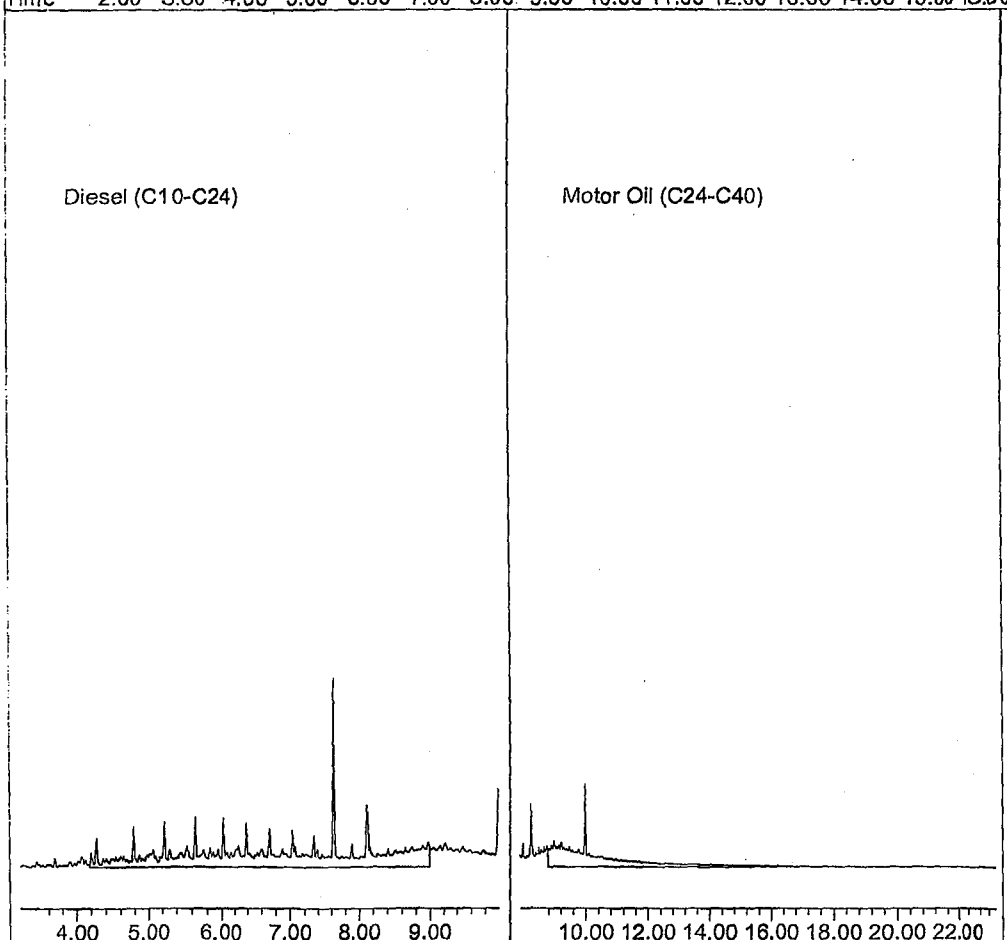
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.63	63248117	12.653 ppb
Surrogate Spike 30.000		Recovery =	42.18%
4) SA Octacosane(S)	9.99	42382685	12.666 ppb
Surrogate Spike 30.000		Recovery =	42.22%
Target Compounds			
1) HATM Diesel (C10-C24)	6.59	1033958317	235.747 ppb
2) HBTM Motor Oil (C24-C40)	15.58	761210432	245.978 ppb
Target Compounds			

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

Data File: G:\APOLLO\DATA\210702\702008.D
Sample : DMO STD-4 07/02/21





Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\210702\702009.D Vial: 9
Acq On : 7-2-21 16:29:22 Operator: MB
Sample : DMO STD-5 07/02/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Jul 6 8:47 2021 Quant Results File: DOC0702.RES

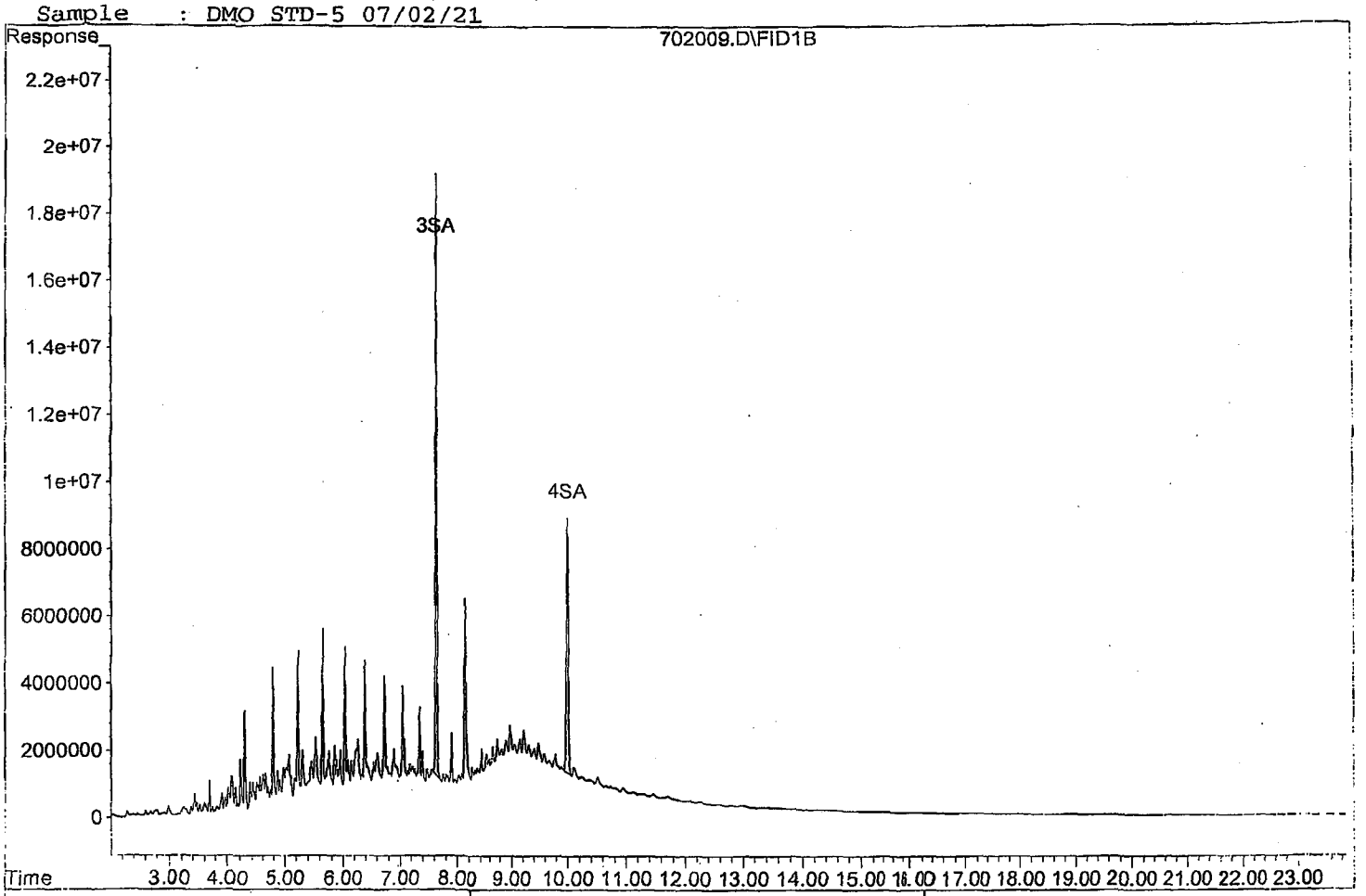
Method : G:\APOLLO\DATA\210702\DOC0702.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Tue Jul 06 08:45:30 2021
Response via : Multiple Level Calibration

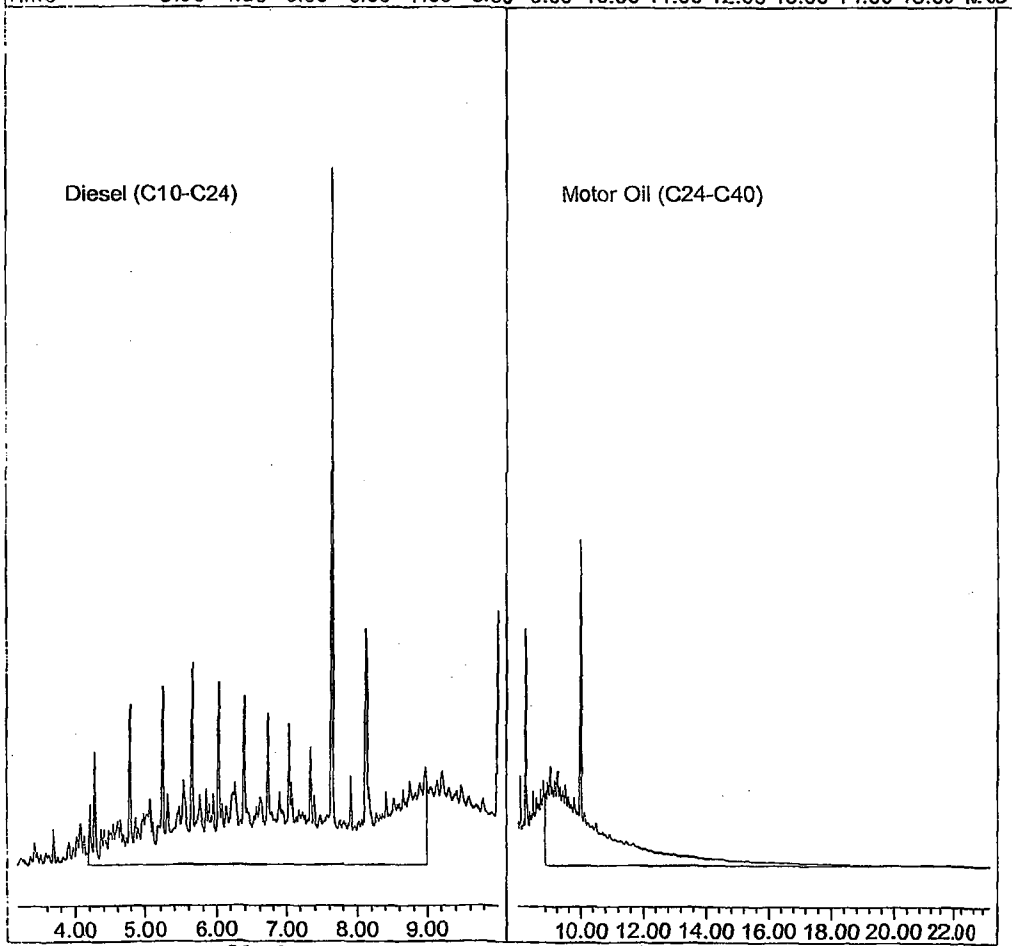
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.64	242267738	48.465 ppb
Surrogate Spike 30.000	Recovery =		161.55%
4) SA Octacosane(S)	10.00	164424401	49.137 ppb
Surrogate Spike 30.000	Recovery =		163.79%
Target Compounds			
1) HATM Diesel (C10-C24)	6.59	4079443154	930.133 ppb
2) HBTM Motor Oil (C24-C40)	15.58	2985720309	964.809 ppb
Target Compounds			

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

Data File: G:\APOLLO\DATA\210702\702009.D
Sample : DMO STD-5 07/02/21





Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\210702\702010.D Vial: 10
Acq On : 7-2-21 16:57:44 Operator: MB
Sample : DMO STD-6 07/02/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Jul 6 8:47 2021 Quant Results File: DOC0702.RES

Method : G:\APOLLO\DATA\210702\DOC0702.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Tue Jul 06 08:45:30 2021
Response via : Multiple Level Calibration

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

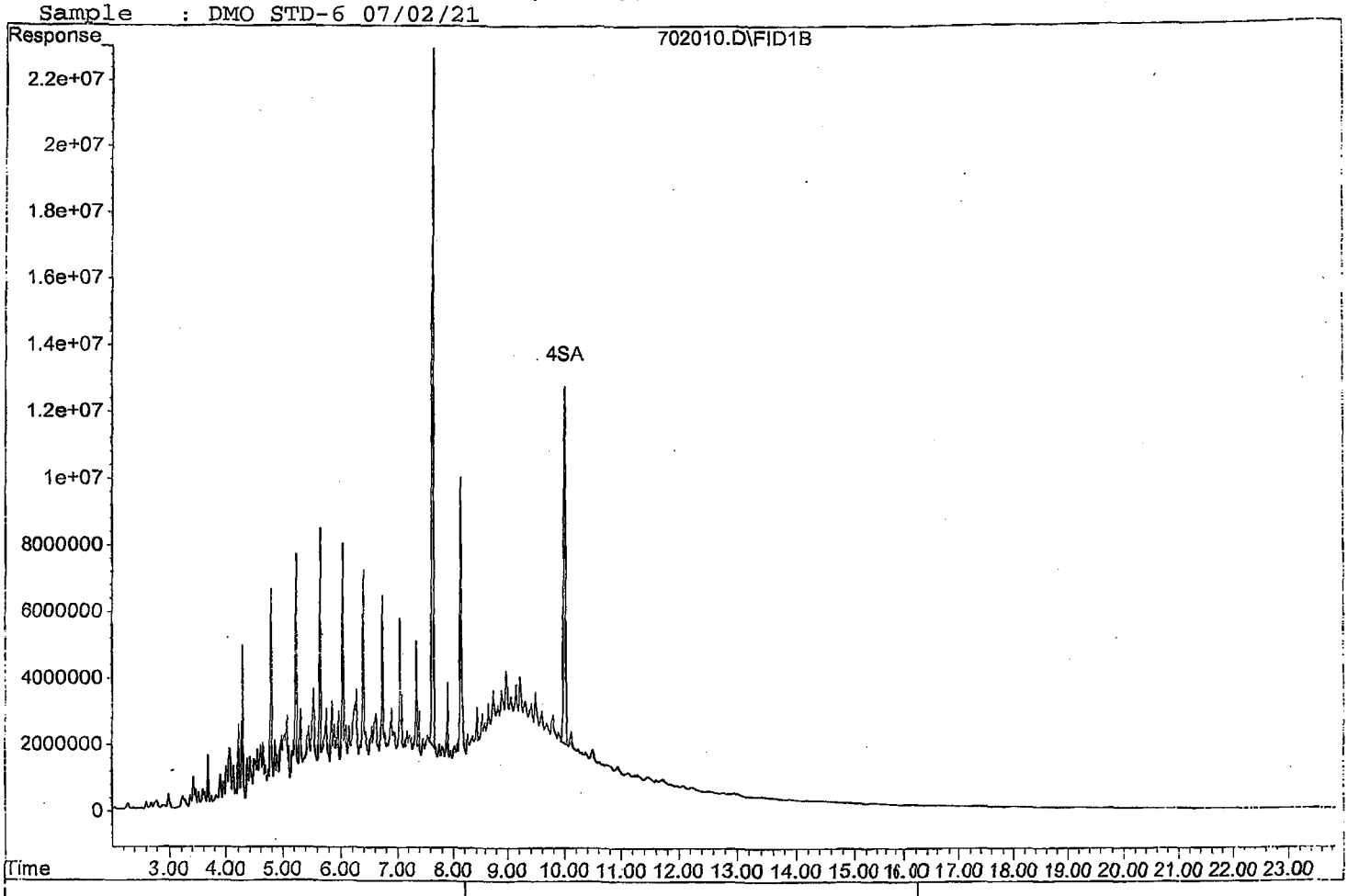
Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
3) SA Ortho-Terphenyl(S)	7.64	365375654	73.092	ppb
Surrogate Spike 30.000		Recovery =	243.64%	
4) SA Octacosane(S)	10.00	254910432	76.178	ppb
Surrogate Spike 30.000		Recovery =	253.93%	
Target Compounds				
1) HATM Diesel (C10-C24)	6.59	6357793272	1449.608	ppb
2) HBTM Motor Oil (C24-C40)	15.58	4638339387	1498.838	ppb

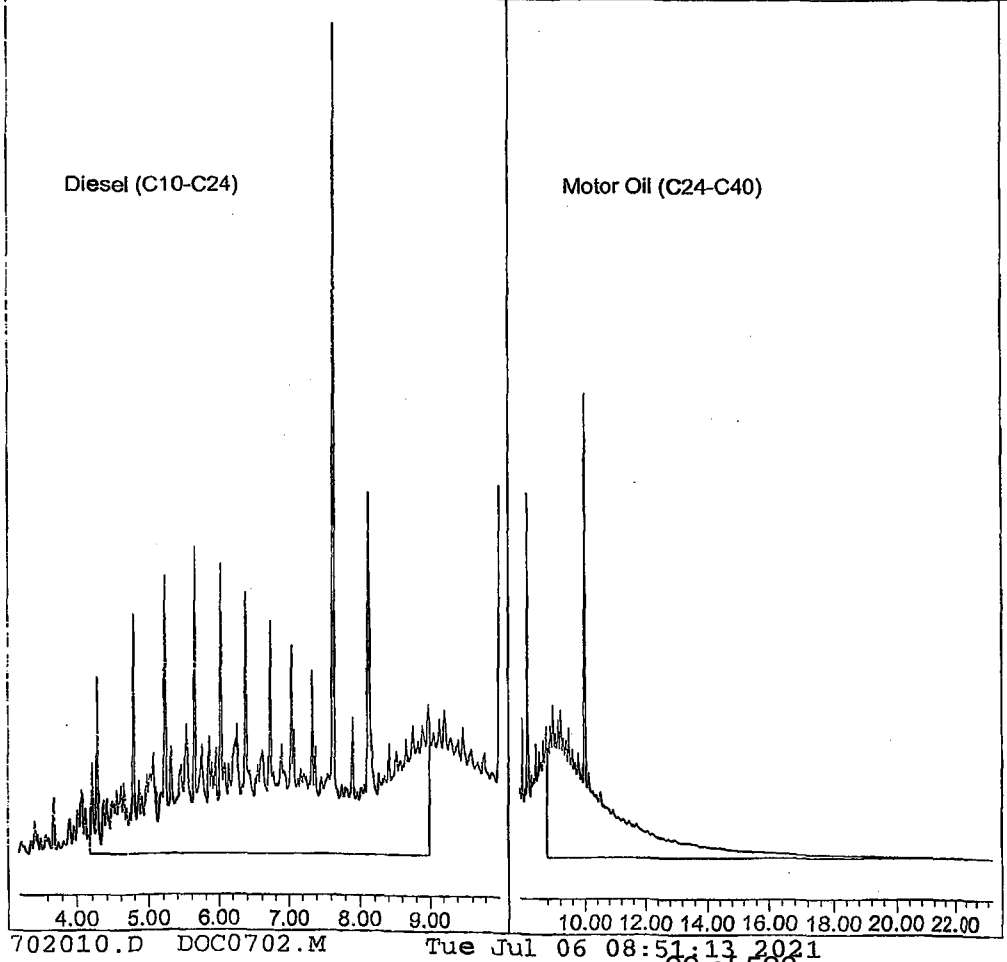
Target Compounds

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

Quantitation Report

Data File: G:\APOLLO\DATA\210702\702010.D
Sample : DMO STD-6 07/02/21





Data File : G:\APOLLO\DATA\210702\702011.D Vial: 11
Acq On : 7-2-21 17:26:03 Operator: MB
Sample : DMO STD-7 07/02/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Jul 6 8:47 2021 Quant Results File: DOC0702.RES

Method : G:\APOLLO\DATA\210702\DOC0702.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Tue Jul 06 08:45:30 2021
Response via : Multiple Level Calibration

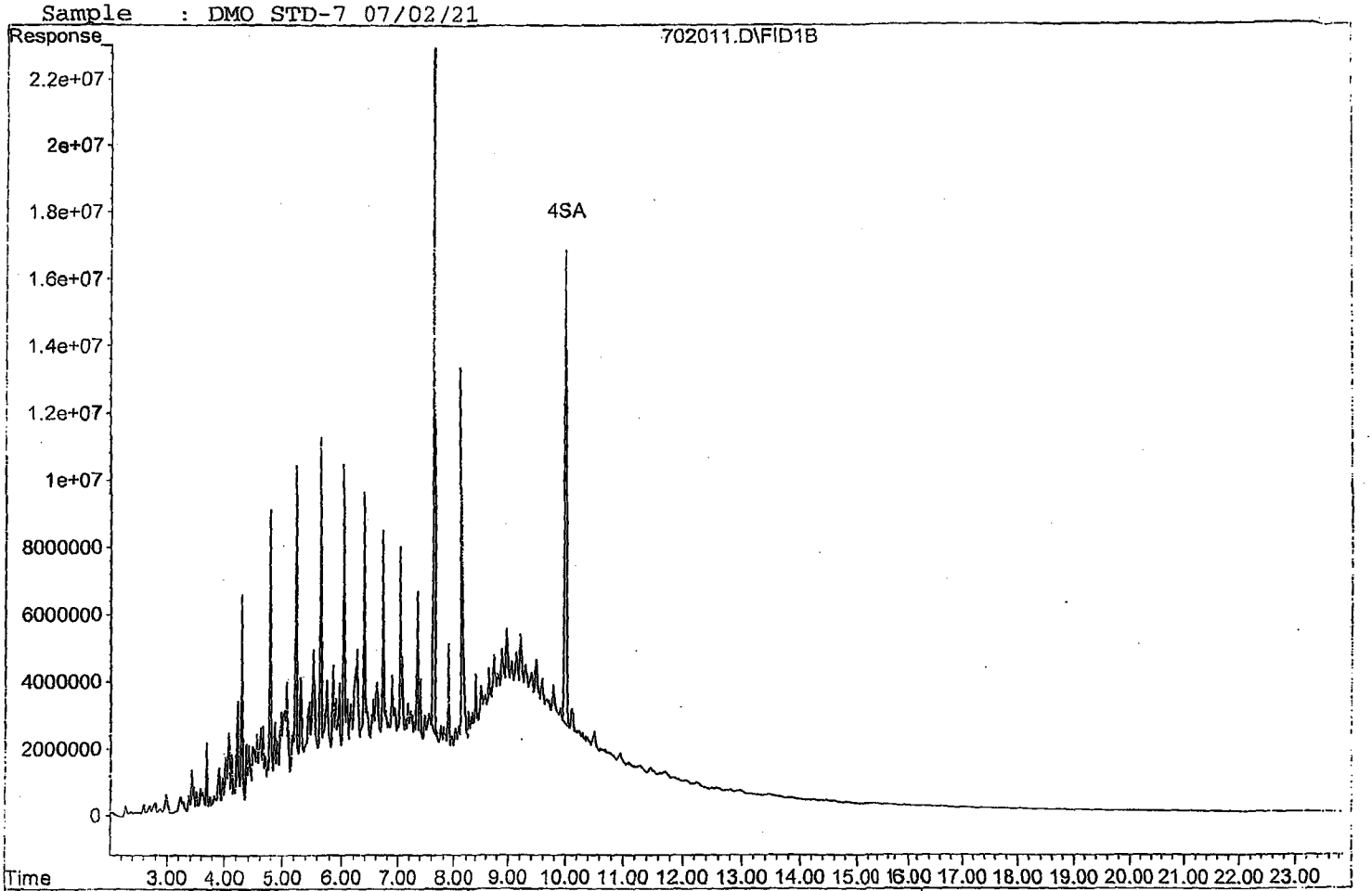
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

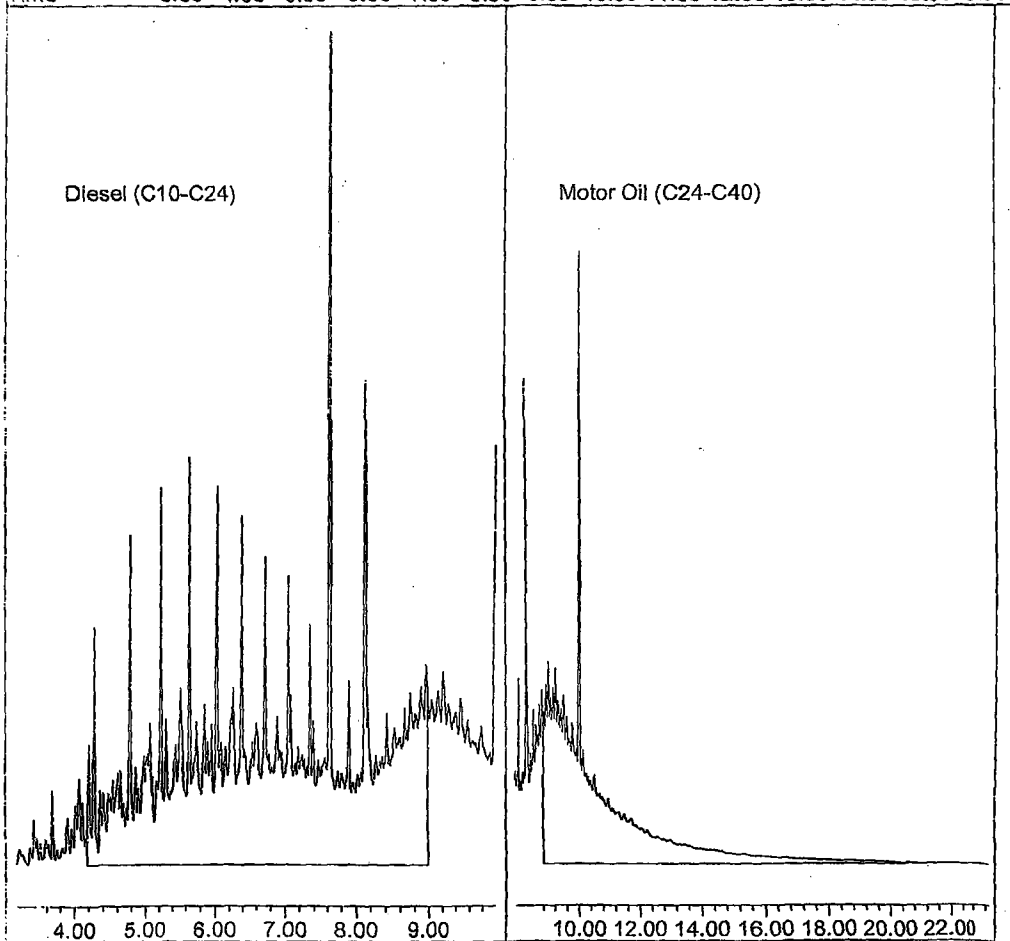
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.64	499899155	100.003 ppb
Surrogate Spike 30.000		Recovery =	333.34%
4) SA Octacosane(S)	10.01	341107264	101.937 ppb
Surrogate Spike 30.000		Recovery =	339.79%
Target Compounds			
1) HATM Diesel (C10-C24)	6.59	8559469801	1951.600 ppb
2) HBTM Motor Oil (C24-C40)	15.58	6216469170	2008.797 ppb

Target Compounds

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

Data File: G:\APOLLO\DATA\210702\702011.D
Sample : DMO STD-7 07/02/21





TPH Extractables
DOC0702

Form 7

Second Source Calibration

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

SDG No:
Date Analyzed: 07/02/21
Instrument: Apollo
Initial Cal. Date: 07/02/21
Data File: 702012.D

		Compound	MEAN	CCRF	%D		%Drift
1	HATM	Diesel (C10-C24)	2192940	2197080	0.19	HATM	
2	HBTM	Motor Oil (C24-C40)	1547310	1697380	9.7	HBTM	
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		Average			4.9		

Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\210702\702012.D Vial: 12
Acq On : 7-2-21 17:54:24 Operator: MB
Sample : DMO STD-SS 07/02/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Jul 6 8:49 2021 Quant Results File: DOC0702.RES

Method : G:\APOLLO\DATA\210702\DOC0702.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Tue Jul 06 08:45:30 2021
Response via : Multiple Level Calibration

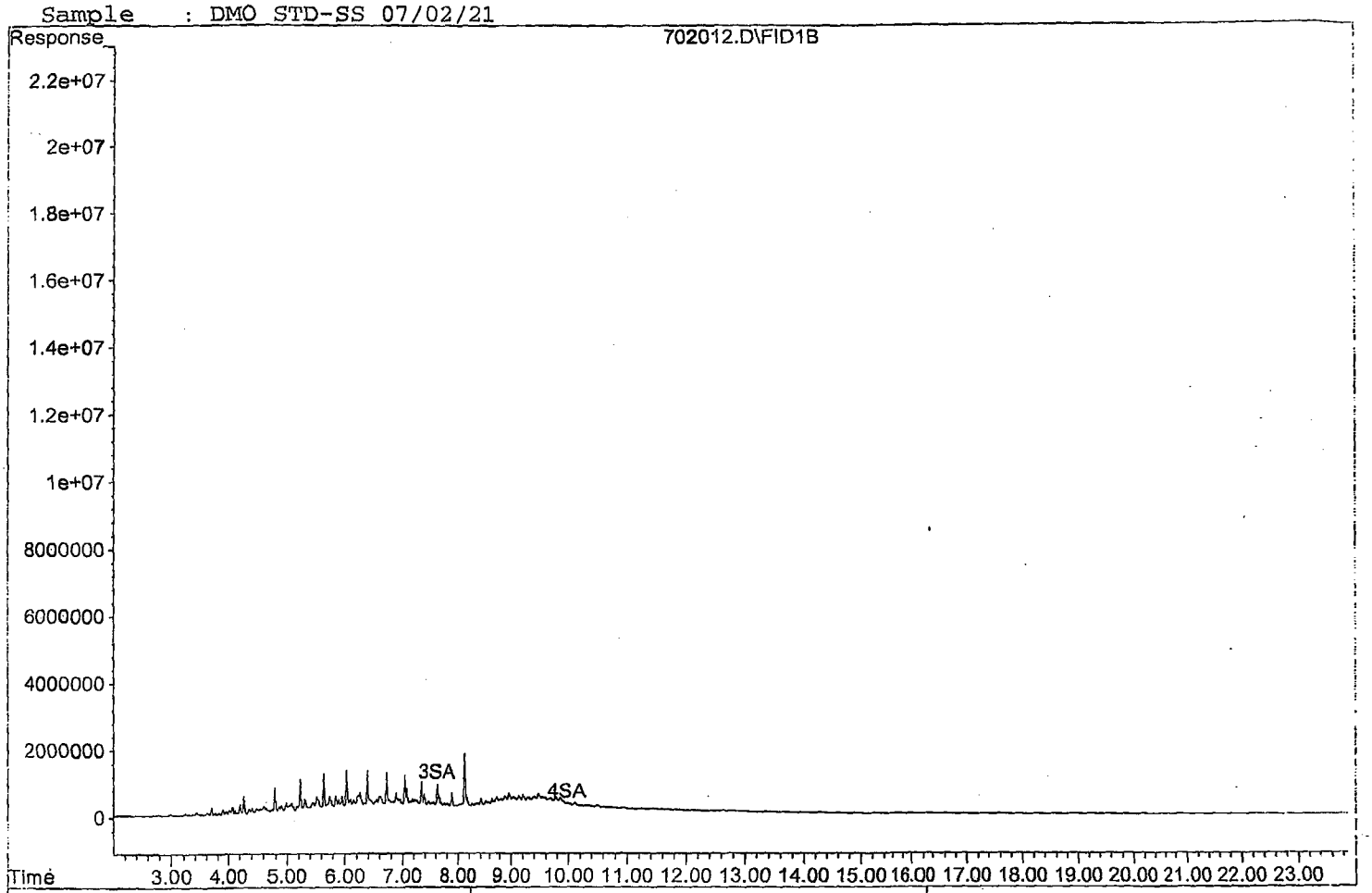
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

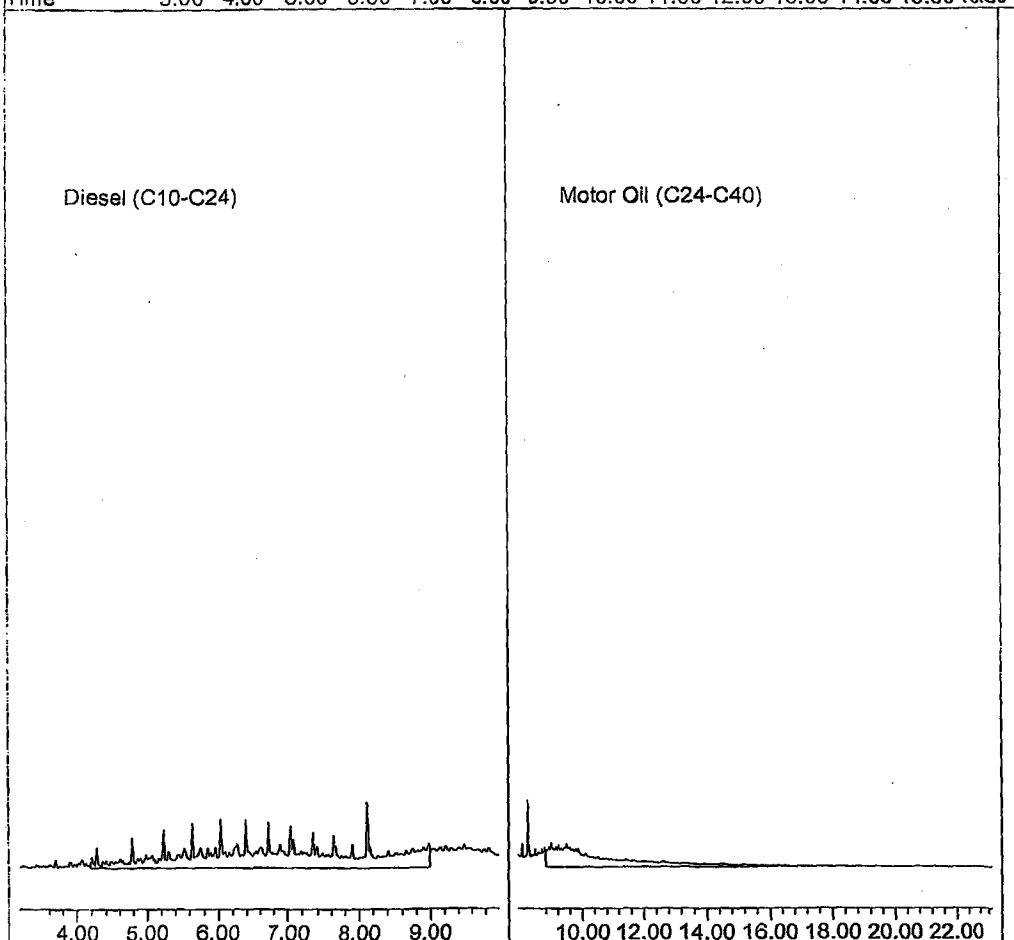
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.63	4247288	0.850 ppb
Surrogate Spike 30.000	Recovery =		2.83%
4) SA Octacosane(S)	9.97	108123	0.032 ppb
Surrogate Spike 30.000	Recovery =		0.11%
Target Compounds			
1) HATM Diesel (C10-C24)	6.59	1098540957	250.473 ppb
2) HBTM Motor Oil (C24-C40)	15.58	848692375	274.247 ppb
Target Compounds			

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

Quantitation Report

Data File: G:\APOLLO\DATA\210702\702012.D
Sample : DMO STD-SS 07/02/21





TPH Extractables
DOC0702

Form 7

Continuing Calibration

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

SDG No:
Date Analyzed: 08/09/21
Instrument: Apollo
Initial Cal. Date: 07/02/21
Data File: 808049.D

		Compound	MEAN	CCRF	%D	%Drift	
1	HATM	Diesel (C10-C24)	2192940	2117480	3.4	HATM	
2	HBTM	Motor Oil (C24-C40)	1547310	1505000	2.7	HBTM	
3	SA	Ortho-Terphenyl(S)	2499420	2632810	5.3	SA	
4	SA	Octacosane(S)	1673130	1706920	2.0	SA	
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		Average			3.4		

Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\210808\808049.D Vial: 49
Acq On : 8-9-21 10:24:45 Operator: KA
Sample : Diesel Motor Oil CCV-8/5/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Aug 14 9:25 2021 Quant Results File: DOC0702.RES

Method : G:\APOLLO\DATA\210808\DOC0702.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Mon Aug 09 15:46:59 2021
Response via : Multiple Level Calibration

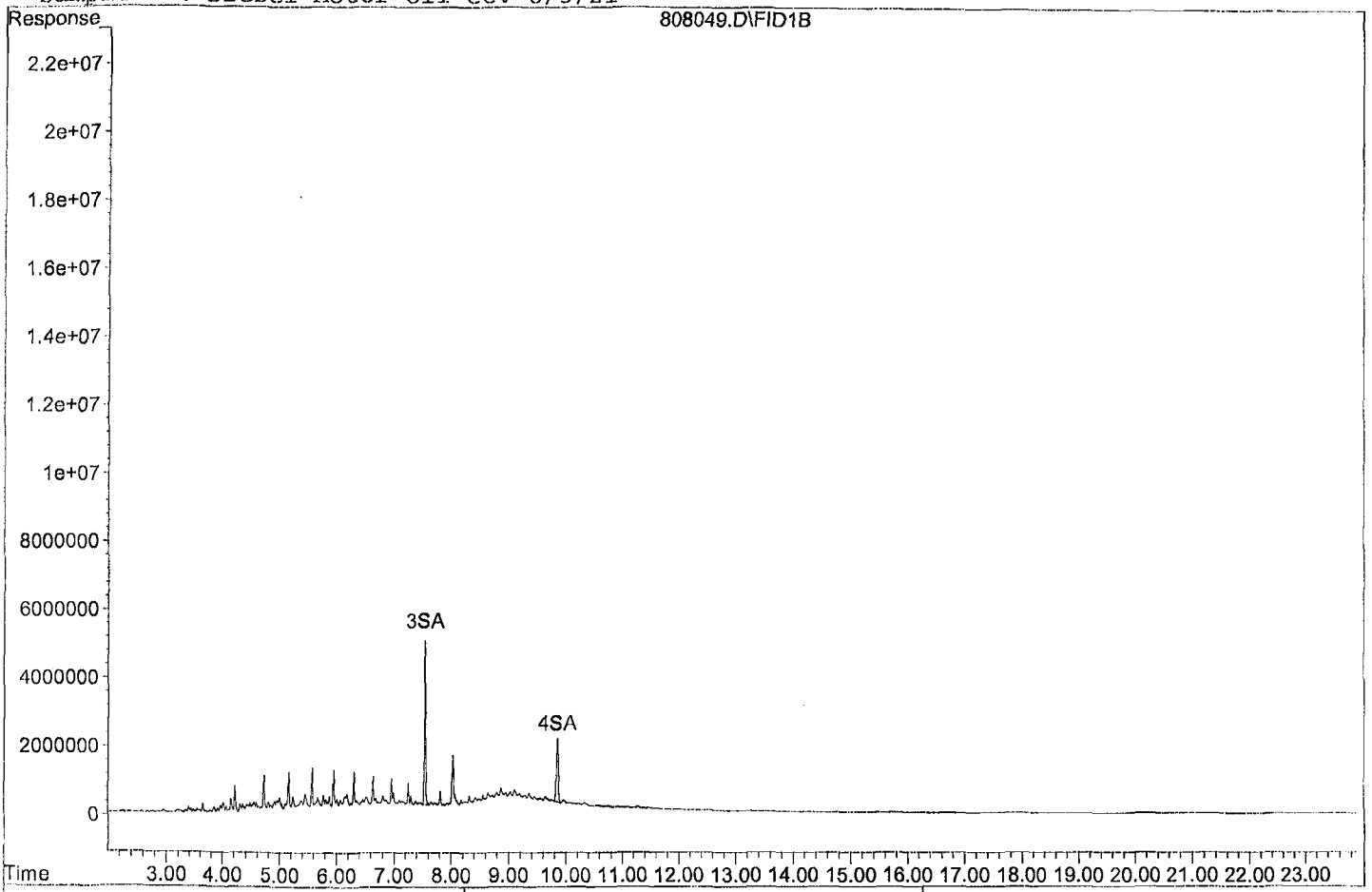
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

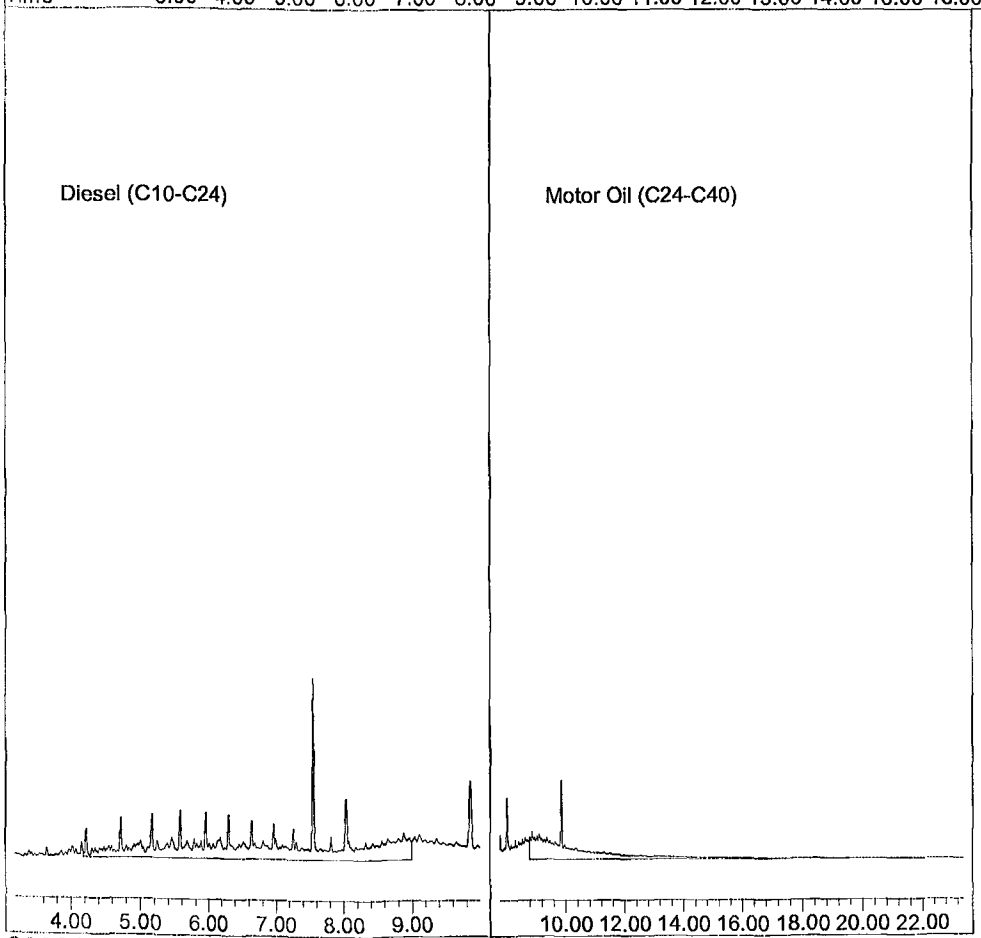
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.55	65820365	13.167 ppb
Surrogate Spike 30.000		Recovery =	43.89%
4) SA Octacosane(S)	9.85	42673002	12.752 ppb
Surrogate Spike 30.000		Recovery =	42.51%
Target Compounds			
1) HATM Diesel (C10-C24)	6.59	1058738282	241.397 ppb
2) HBTM Motor Oil (C24-C40)	15.58	752499841	243.164 ppb

Target Compounds

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

Data File: G:\APOLLO\DATA\210808\808049.D
Sample : Diesel Motor Oil CCV-8/5/21





808049.D DOC0702.M Sat Aug 14 09:55:32 2021

TPH Extractables
DOC0702

Form 7

Continuing Calibration

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

SDG No:
Date Analyzed: 08/09/21
Instrument: Apollo
Initial Cal. Date: 07/02/21
Data File: 808060.D

		Compound	MEAN	CCRF	%D		%Drift
1	HATM	Diesel (C10-C24)	2192940	2191040	0.09	HATM	
2	HBTM	Motor Oil (C24-C40)	1547310	1545890	0.09	HBTM	
3	SA	Ortho-Terphenyl(S)	2499420	2695390	7.8	SA	
4	SA	Octacosane(S)	1673130	1711750	2.3	SA	
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		Average			2.6		

Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\210808\808060.D Vial: 60
Acq On : 8-9-21 15:37:22 Operator: KA
Sample : Diesel Motor Oil CCV-8/5/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Aug 14 9:25 2021 Quant Results File: DOC0702.RES

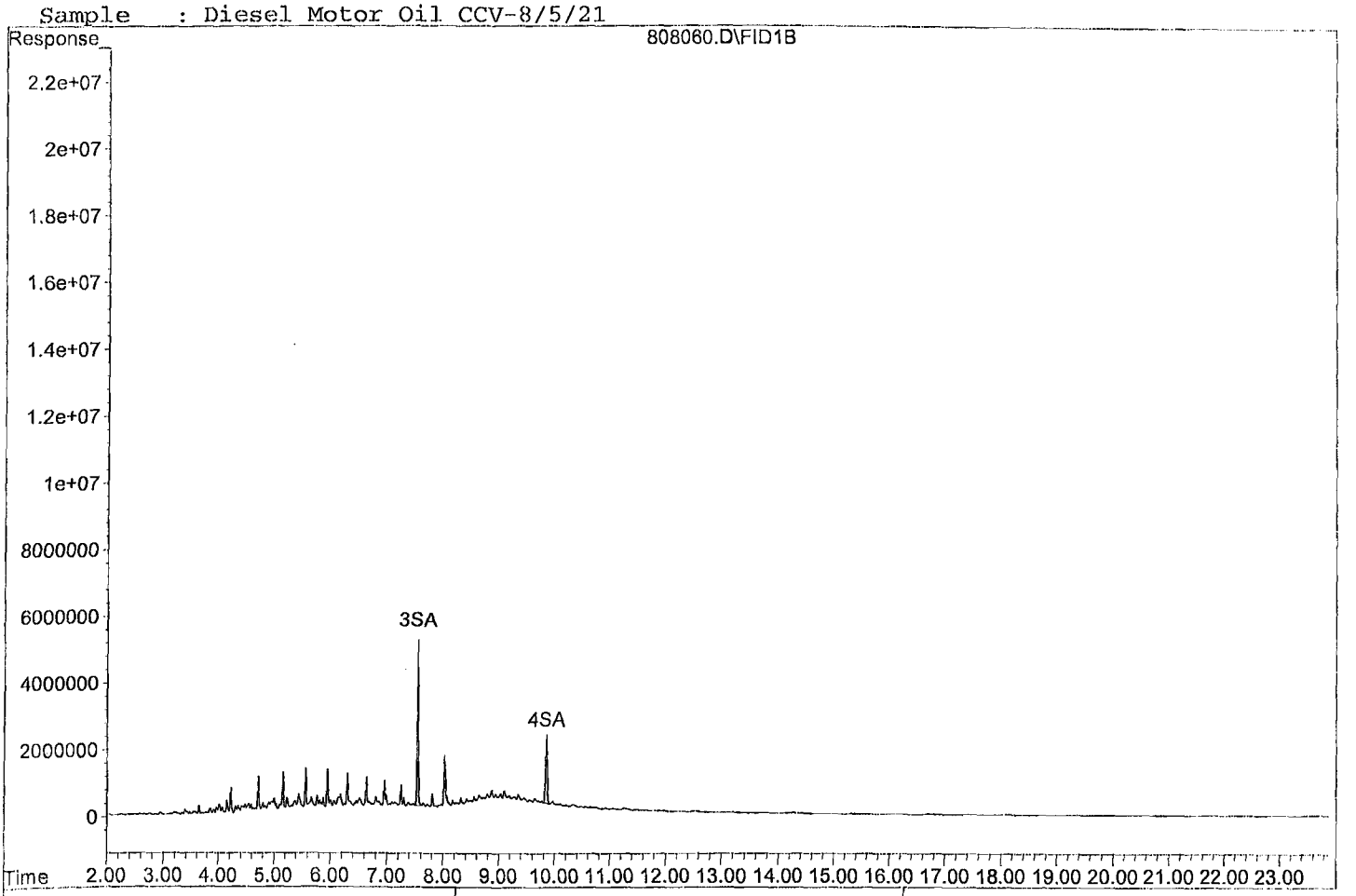
Method : G:\APOLLO\DATA\210808\DOC0702.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Mon Aug 09 15:46:59 2021
Response via : Multiple Level Calibration

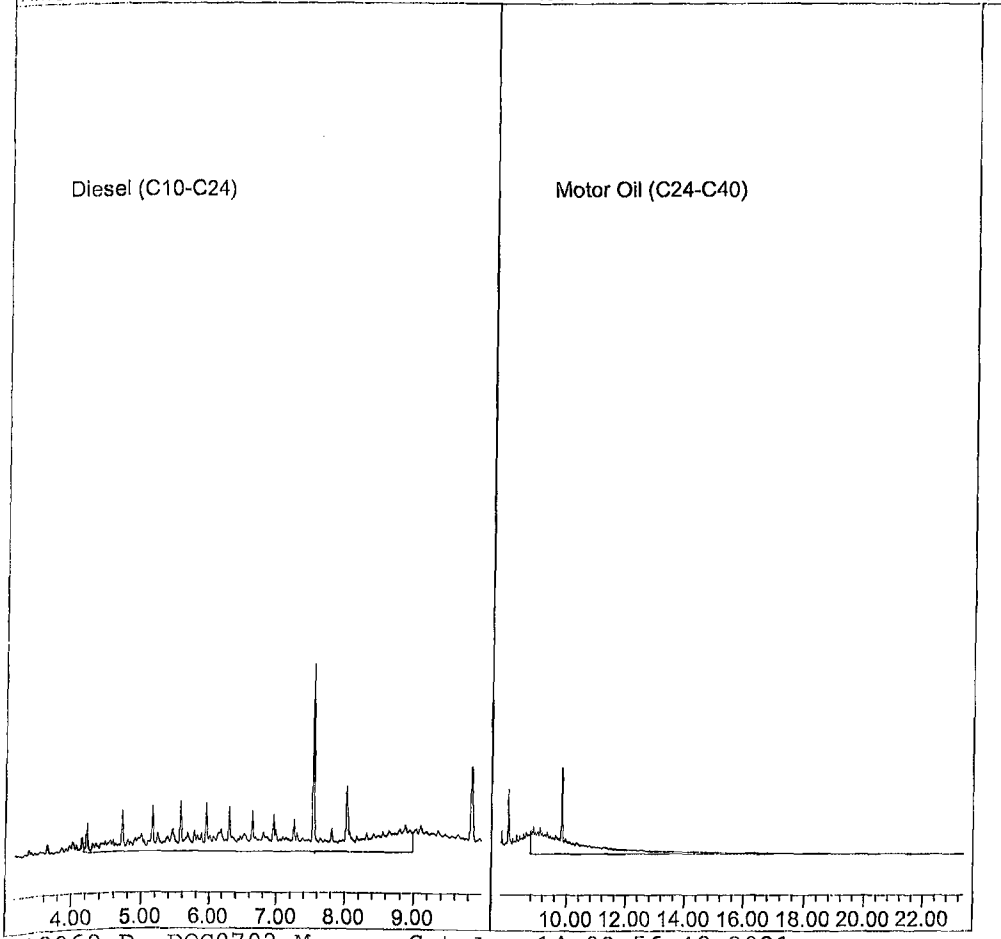
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.55	67384683	13.480 ppb
Surrogate Spike 30.000		Recovery =	44.93%
4) SA Octacosane(S)	9.85	42793838	12.789 ppb
Surrogate Spike 30.000		Recovery =	42.63%
Target Compounds			
1) HATM Diesel (C10-C24)	6.59	1095519144	249.784 ppb
2) HBTM Motor Oil (C24-C40)	15.58	772944954	249.770 ppb
Target Compounds			

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

Data File: G:\APOLLO\DATA\210808\808060.D
Sample : Diesel Motor Oil CCV-8/5/21





ORGANICS

Raw Data

Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\2021\210808\808054.D Vial: 54
Acq On : 8-9-21 12:46:54 Operator: KA
Sample : BA35748W08 5/1040 Inst : Apollo
Misc : water Multiplr: 4.81
IntFile : events.e
Quant Time: Mar 30 9:32 2022 Quant Results File: DOC0702.RES

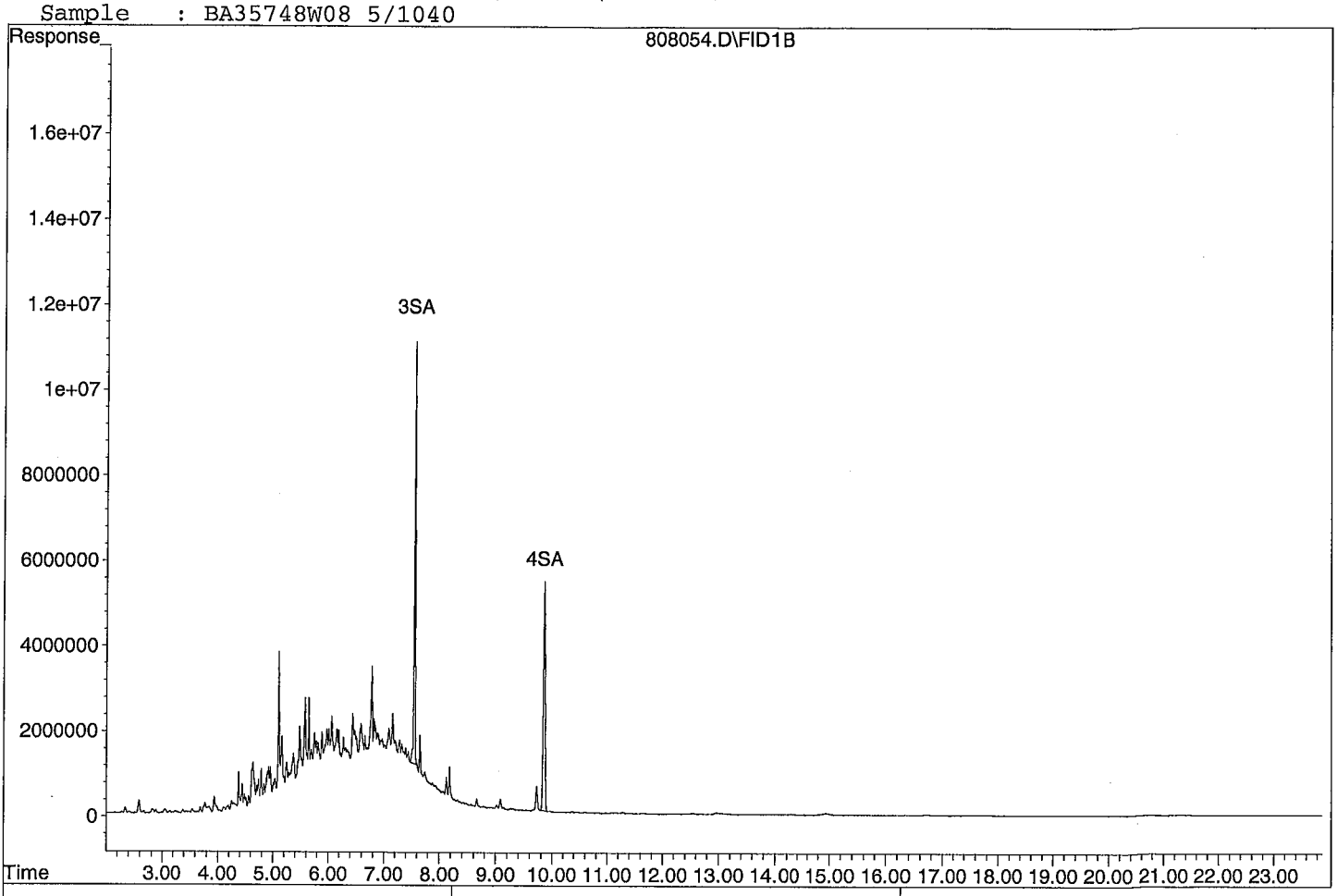
Method : G:\APOLLO\DATA\2021\210702\DOC0702.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Wed Mar 30 09:32:19 2022
Response via : Multiple Level Calibration

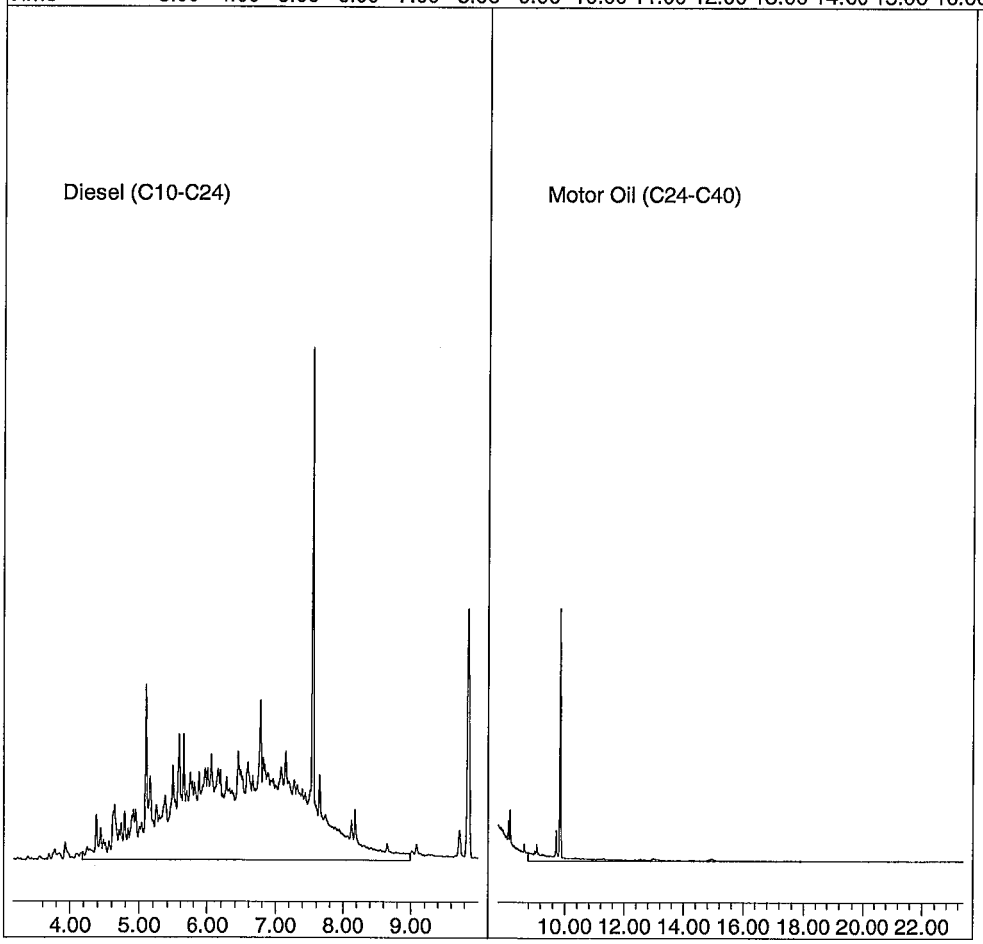
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.55	130410060	125.423 ppb
Surrogate Spike 144.231		Recovery =	86.96%
4) SA Octacosane(S)	9.85	116911634	167.971 ppb
Surrogate Spike 144.231		Recovery =	116.46%
Target Compounds			
1) HATM Diesel (C10-C24)	6.59	3030302922	3321.747 ppb
2) HBTM Motor Oil (C24-C40)	15.58	230599152	358.250 ppb

Target Compounds

Data File: G:\APOLLO\DATA\2021\210808\808054.D
Sample : BA35748W08 5/1040





Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\2021\210808\808055.D Vial: 55
Acq On : 8-9-21 13:15:21 Operator: KA
Sample : BA35745W08 5/1020 Inst : Apollo
Misc : water Multiplr: 4.90
IntFile : events.e
Quant Time: Mar 30 9:33 2022 Quant Results File: DOC0702.RES

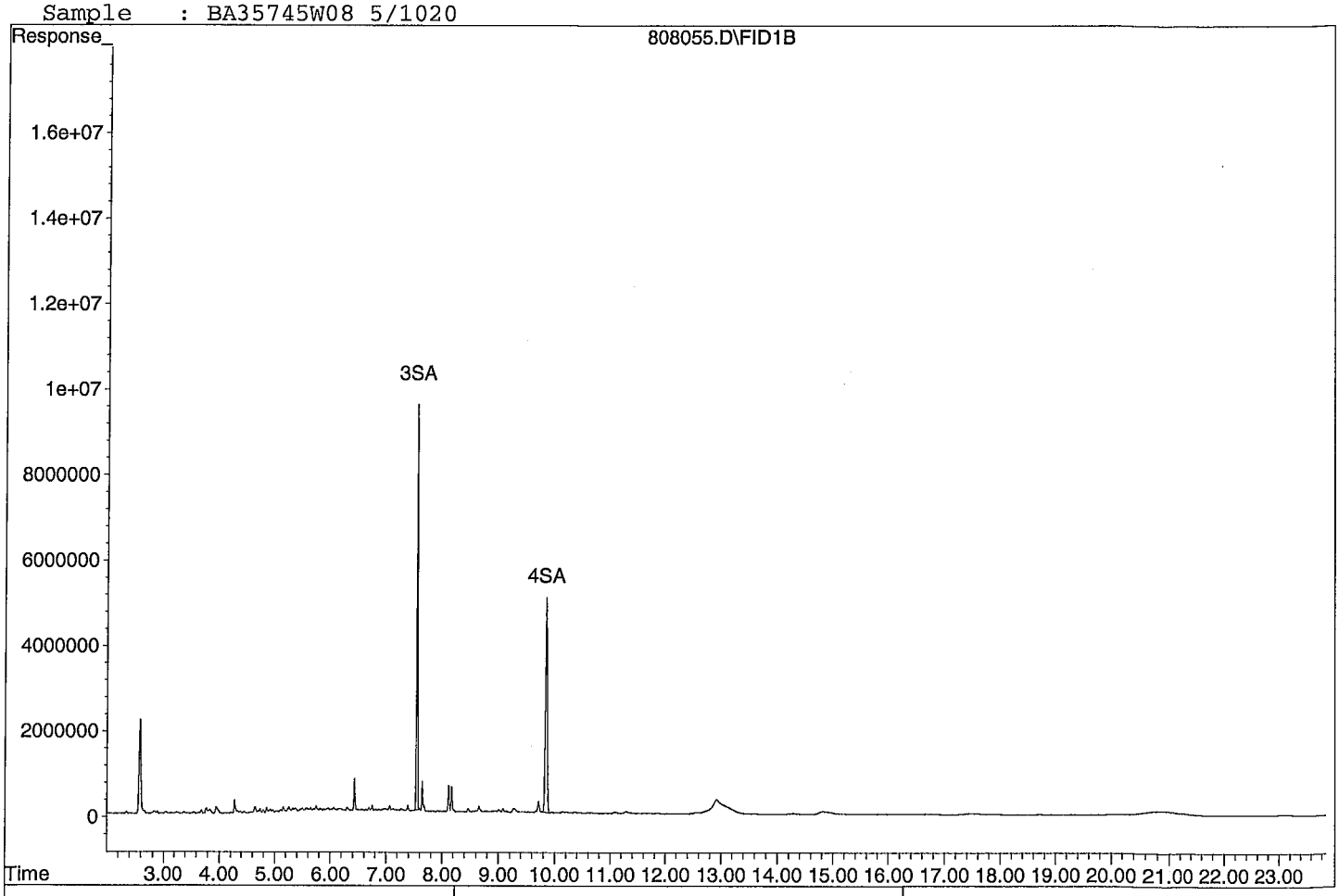
Method : G:\APOLLO\DATA\2021\210702\DOC0702.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Wed Mar 30 09:32:19 2022
Response via : Multiple Level Calibration

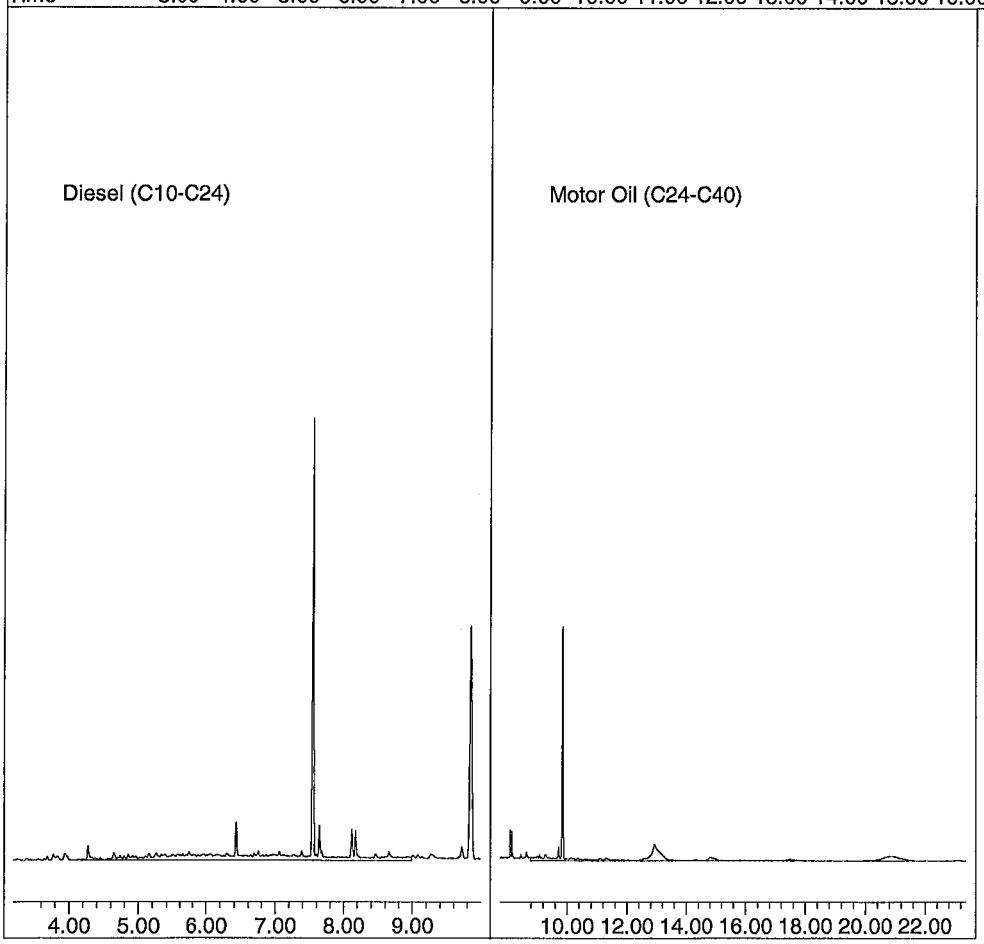
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.55	119032466	116.725 ppb
Surrogate Spike 147.059		Recovery =	79.37%
4) SA Octacosane(S)	9.85	110669628	162.120 ppb
Surrogate Spike 147.059		Recovery =	110.24%
Target Compounds			
1) HATM Diesel (C10-C24)	6.59	286203433	319.881 ppb
2) HBTM Motor Oil (C24-C40)	15.58	261470500	414.176 ppb
Target Compounds			

(f)=RT Delta > 1/2 Window (m)=manual int.
808055.D DOC0702.M Wed Mar 30 09:33:06 2022 Page 1

Data File: G:\APOLLO\DATA\2021\210808\808055.D
Sample : BA35745W08 5/1020





Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\211005\1005099.D Vial: 99
Acq On : 10-7-21 10:34:16 Operator: KA
Sample : BA35745W06 5/850 Inst : Apollo
Misc : water Multiplr: 5.88
IntFile : events.e
Quant Time: Oct 18 12:37 2021 Quant Results File: DOC0830.RES

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

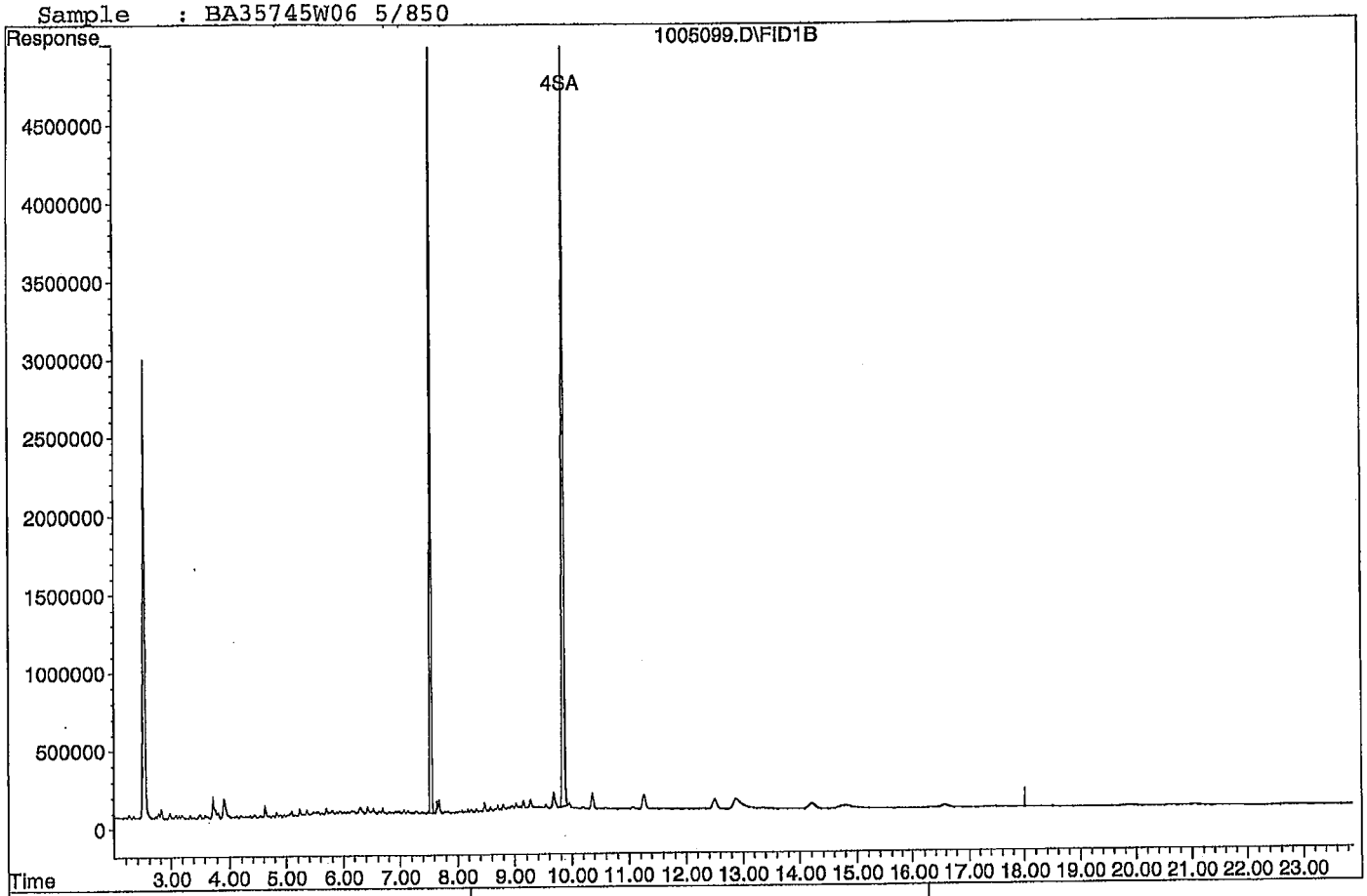
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

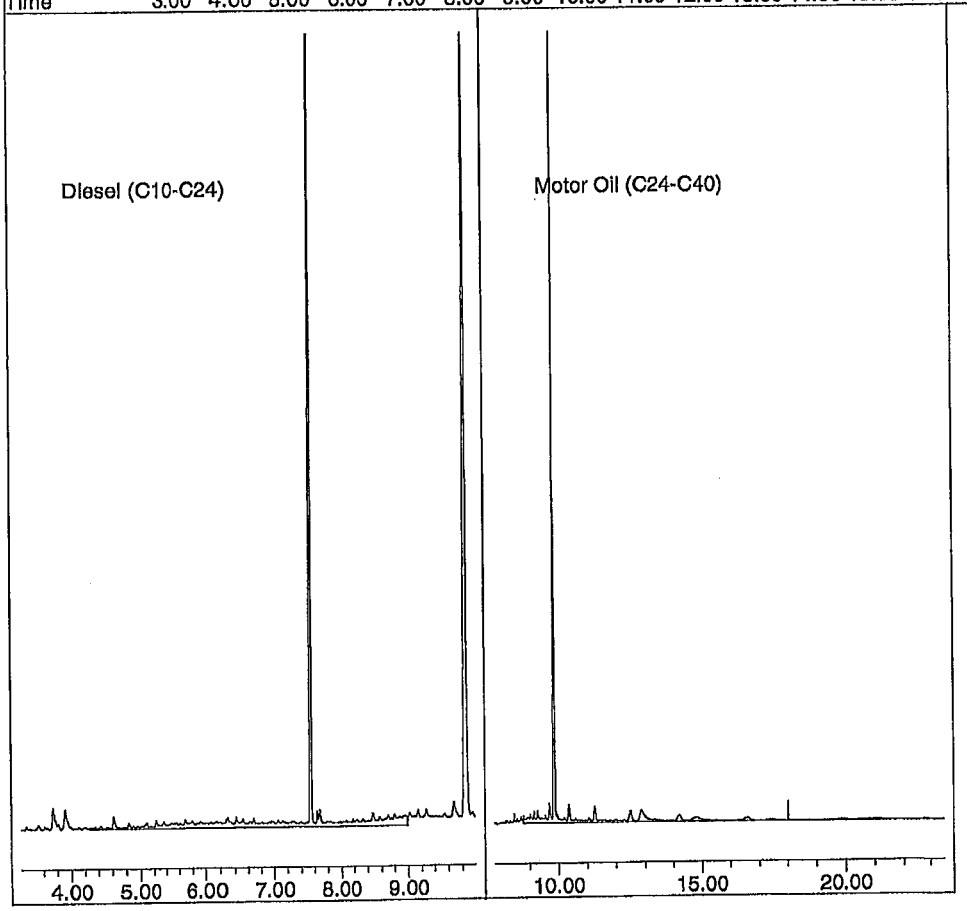
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.54	121153455	137.542 ppb
Surrogate Spike 176.471		Recovery =	77.94%
4) SA Octacosane(S)	9.85	106456932	162.537 ppb
Surrogate Spike 176.471		Recovery =	92.10%
Target Compounds			
1) HATM Diesel (C10-C24)	6.63	85301336	124.226 ppb
2) HBTM Motor Oil (C24-C40)	15.62	106338452	163.931 ppb
Target Compounds			

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

Quantitation Report

Data File: G:\APOLLO\DATA\211005\1005099.D
Sample : BA35745W06 5/850





1005099.D DOC0830.M Mon Oct 18 12:37:31 2021

Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\211005\1005100.D Vial: 100
Acq On : 10-7-21 11:02:38 Operator: KA
Sample : BA35748W07 5/1000 Inst : Apollo
Misc : water Multiplr: 5.00
IntFile : events.e
Quant Time: Oct 18 12:37 2021 Quant Results File: DOC0830.RES

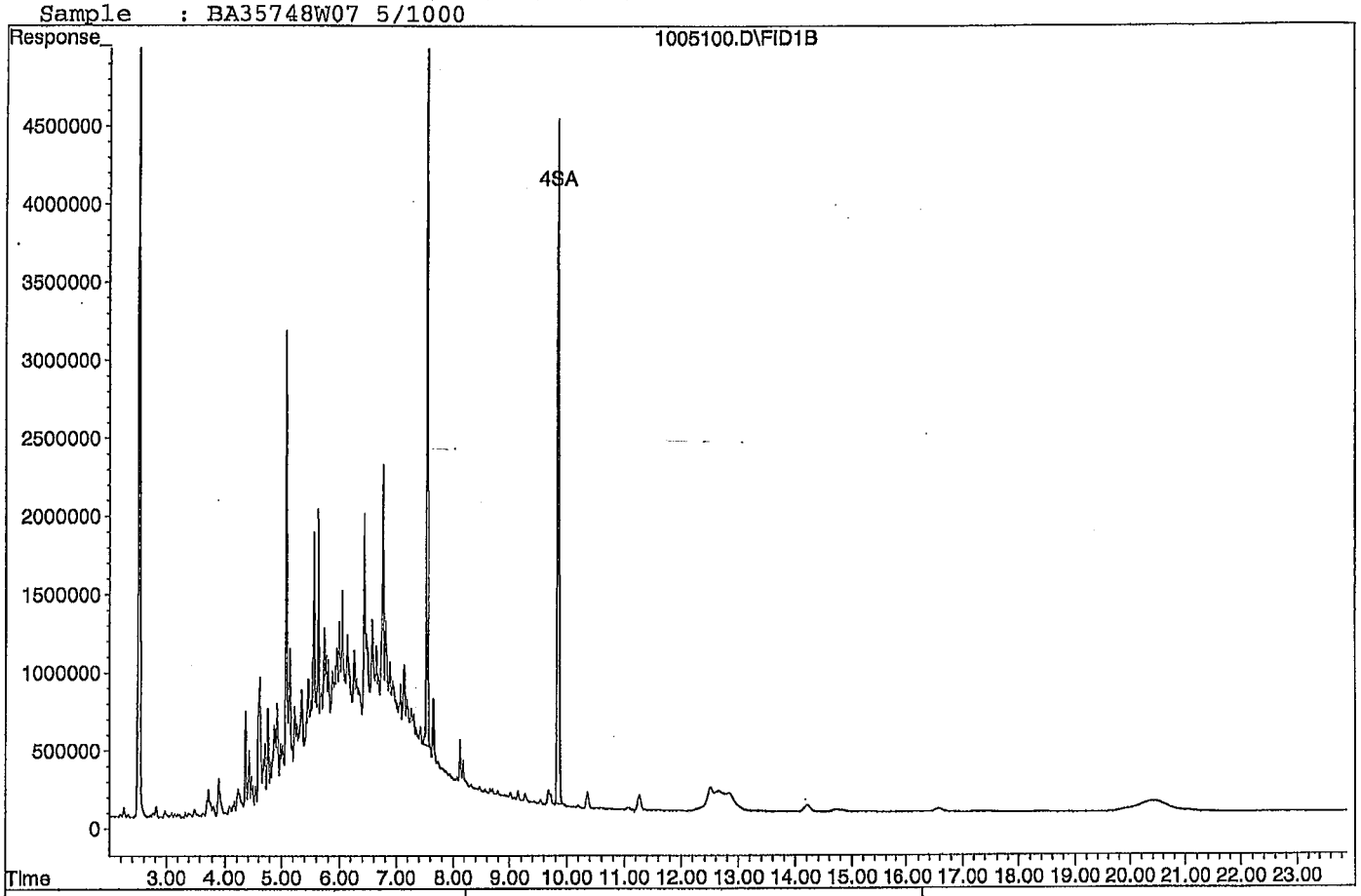
Method : G:\APOLLO\DATA\211007\DOC0830.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Mon Oct 11 17:41:08 2021
Response via : Multiple Level Calibration

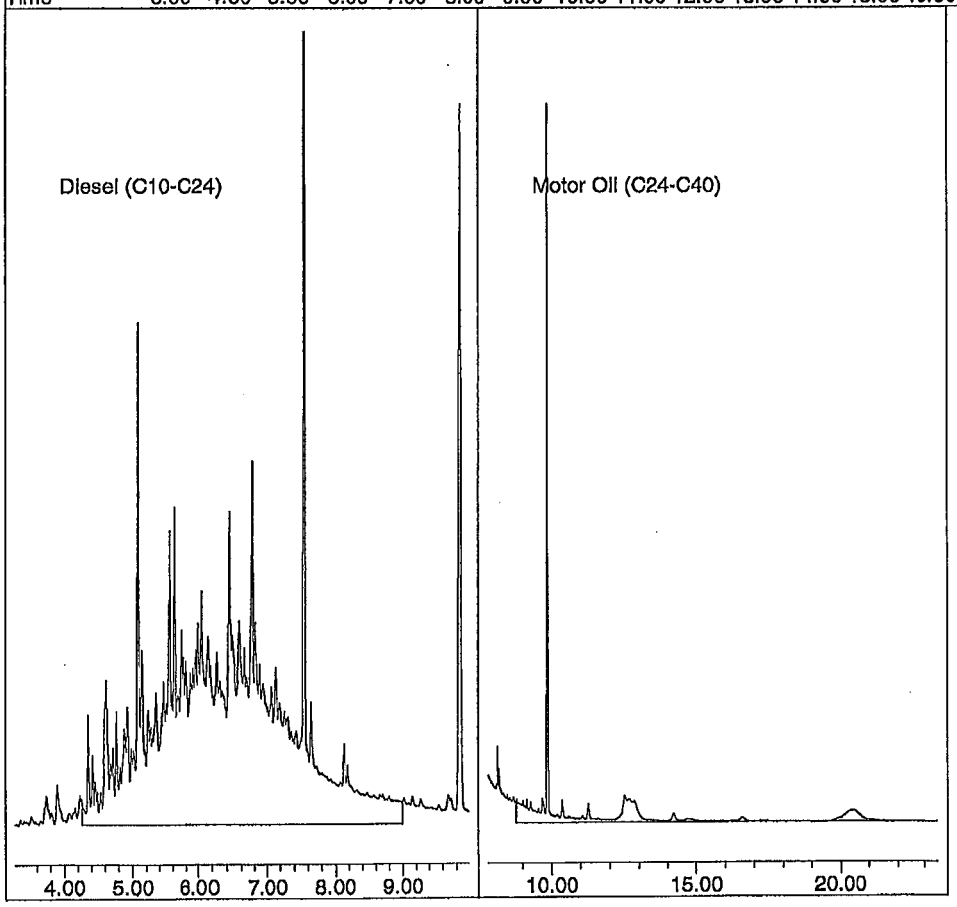
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.54	108313040	104.520 ppb
Surrogate Spike 150.000		Recovery =	69.68%
4) SA Octacosane(S)	9.85	93293050	121.073 ppb
Surrogate Spike 150.000		Recovery =	80.72%
Target Compounds			
1) HATM Diesel (C10-C24)	6.63	1641989879	2032.572 ppb
2) HBTM Motor Oil (C24-C40)	15.62	216210748	325.028 ppb
Target Compounds			

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

Data File: G:\APOLLO\DATA\211005\1005100.D
Sample : BA35748W07 5/1000





Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\210808\808056.D Vial: 56
Acq On : 8-9-21 13:43:46 Operator: KA
Sample : BA35750W08 5/1040 Inst : Apollo
Misc : water Multiplr: 4.81
IntFile : events.e
Quant Time: Aug 14 9:25 2021 Quant Results File: DOC0702.RES

Method : G:\APOLLO\DATA\210808\DOC0702.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Mon Aug 09 15:46:59 2021
Response via : Multiple Level Calibration

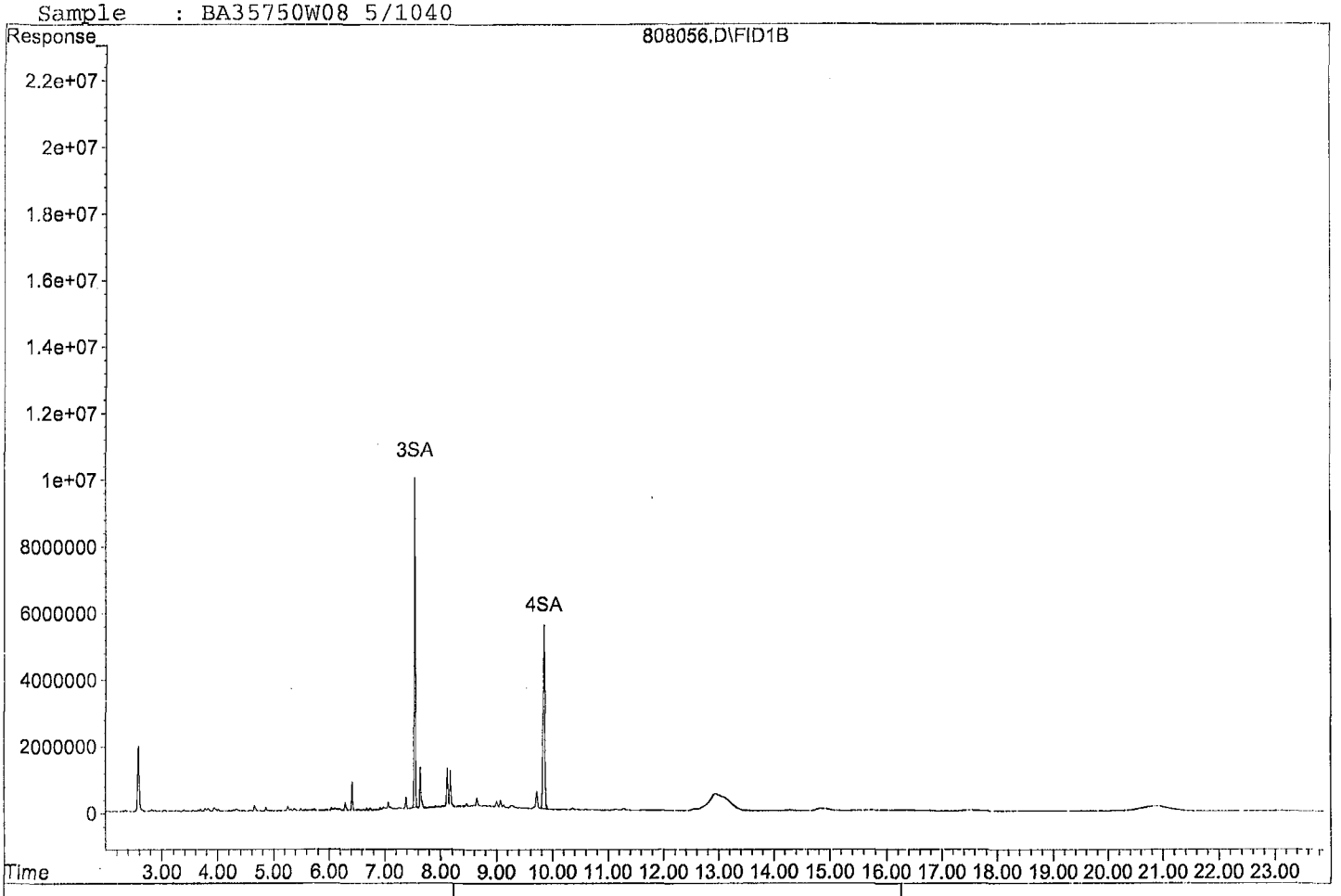
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

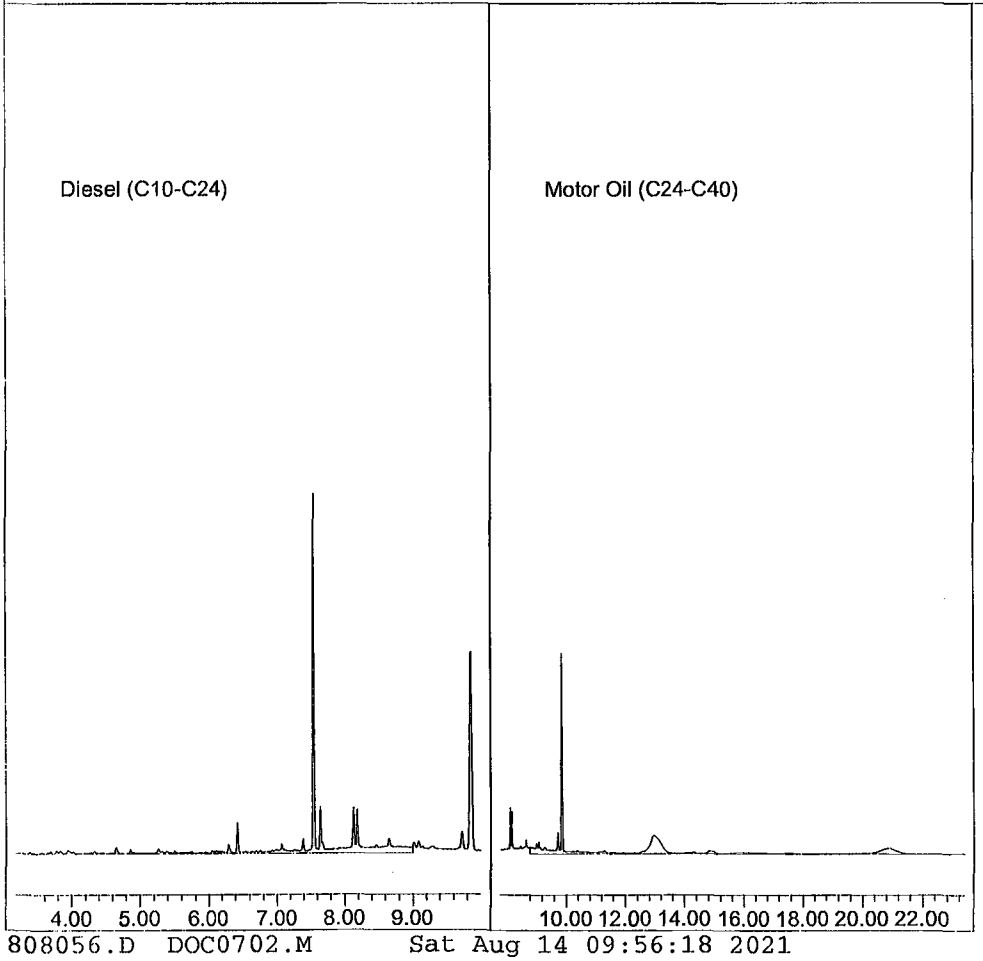
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.55	128364556	123.456 ppb
Surrogate Spike 144.231		Recovery =	85.60%
4) SA Octacosane(S)	9.85	119589041	171.817 ppb
Surrogate Spike 144.231		Recovery =	119.13%
Target Compounds			
1) HATM Diesel (C10-C24)	6.59	284025593	311.342 ppb
2) HBTM Motor Oil (C24-C40)	15.58	425572799	661.154 ppb

Target Compounds

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

Data File: G:\APOLLO\DATA\210808\808056.D
Sample : BA35750W08 5/1040





Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\210808\808057.D Vial: 57
Acq On : 8-9-21 14:12:11 Operator: KA
Sample : BA35753W08 5/1000 Inst : Apollo
Misc : water Multiplr: 5.00
IntFile : events.e
Quant Time: Aug 14 9:25 2021 Quant Results File: DOC0702.RES

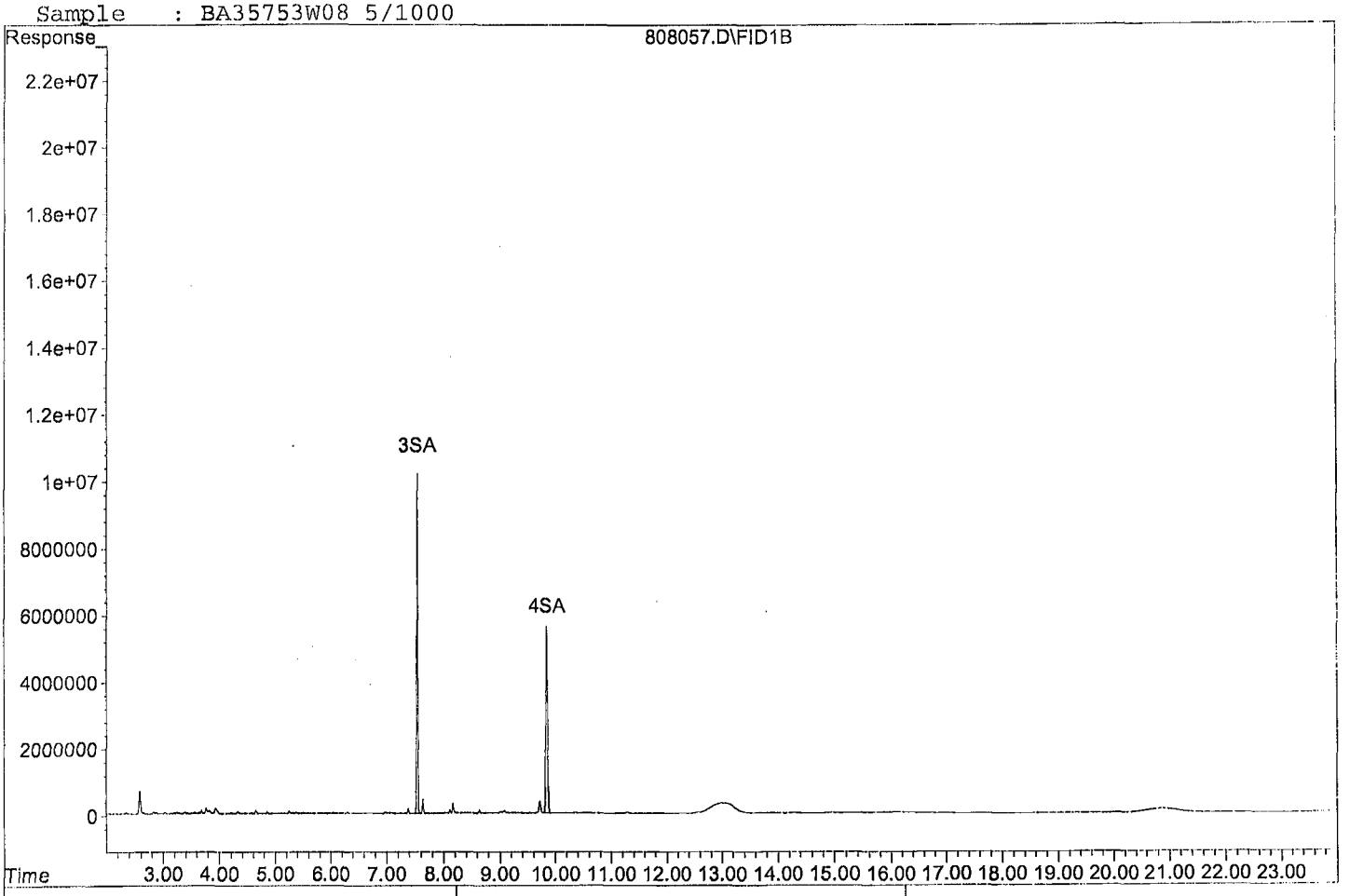
Method : G:\APOLLO\DATA\210808\DOC0702.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Mon Aug 09 15:46:59 2021
Response via : Multiple Level Calibration

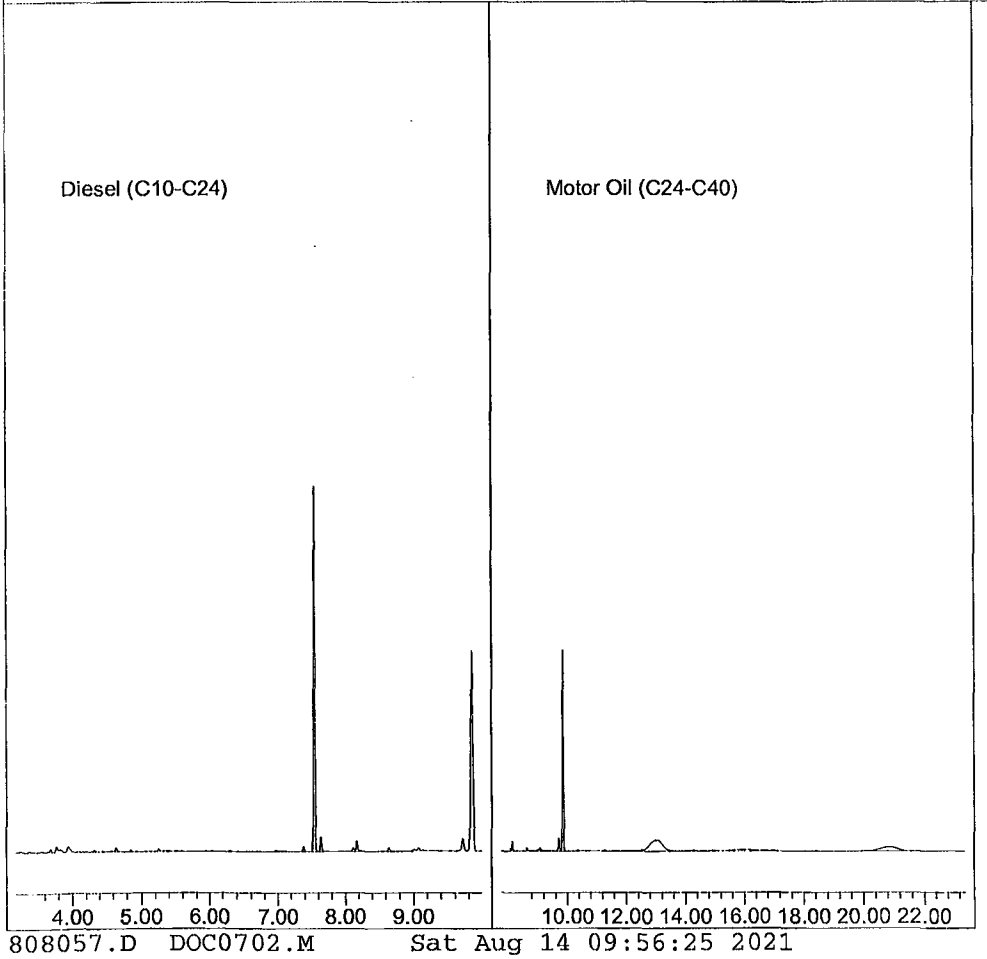
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.55	129012808	129.043 ppb
Surrogate Spike 150.000		Recovery =	86.03%
4) SA Octacosane(S)	9.85	119747861	178.927 ppb
Surrogate Spike 150.000		Recovery =	119.28%
Target Compounds			
1) HATM Diesel (C10-C24)	6.59	49472310	56.400 ppb
2) HBTM Motor Oil (C24-C40)	15.58	230759975	372.840 ppb
Target Compounds			

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

Data File: G:\APOLLO\DATA\210808\808057.D
Sample : BA35753W08 5/1000





Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\210808\808051.D Vial: 51
Acq On : 8-9-21 11:21:38 Operator: KA
Sample : 210714A BLK 5/1000 Inst : Apollo
Misc : water Multiplr: 5.00
IntFile : events.e
Quant Time: Aug 14 9:25 2021 Quant Results File: DOC0702.RES

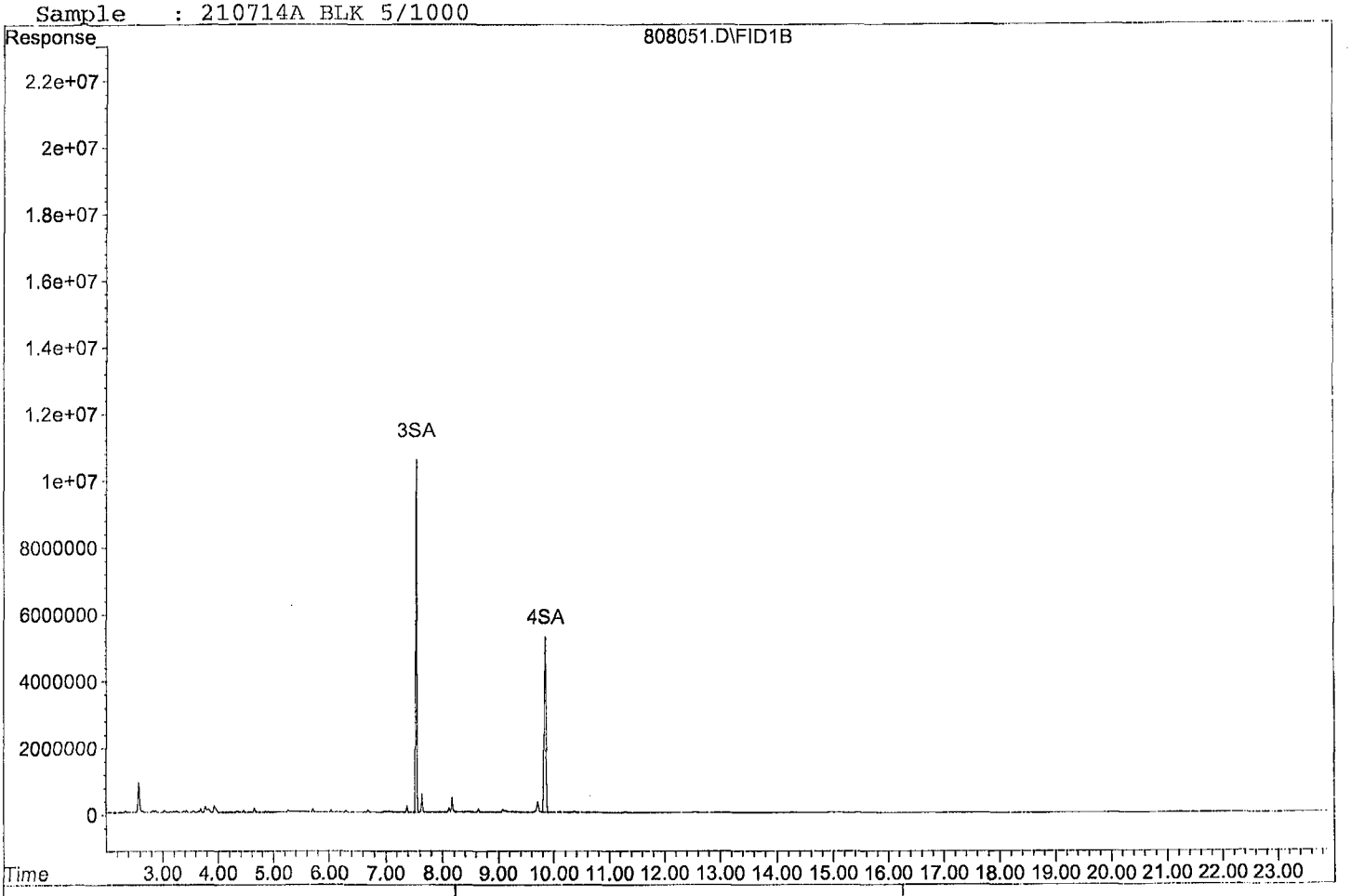
Method : G:\APOLLO\DATA\210808\DOC0702.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Mon Aug 09 15:46:59 2021
Response via : Multiple Level Calibration

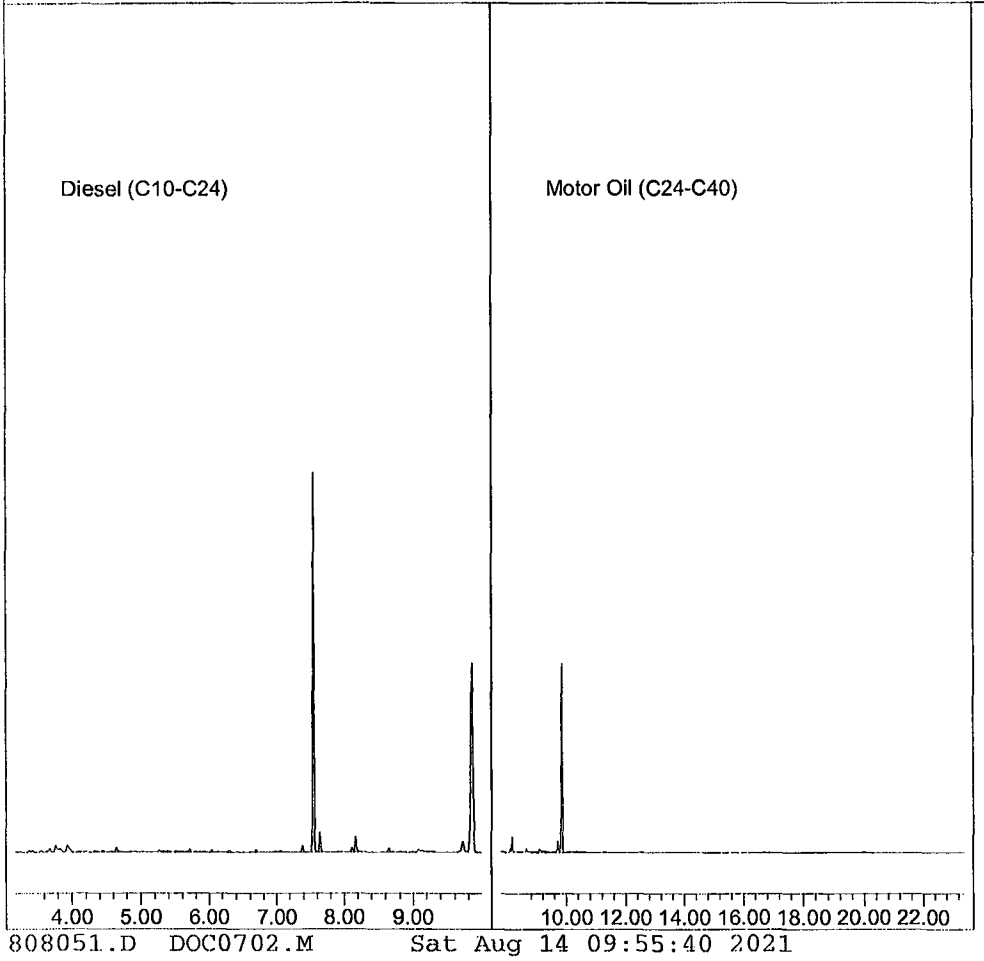
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.55	127515553	127.545 ppb
Surrogate Spike 150.000		Recovery =	85.03%
4) SA Octacosane(S)	9.85	118609496	177.226 ppb
Surrogate Spike 150.000		Recovery =	118.15%
Target Compounds			
1) HATM Diesel (C10-C24)	6.59	55633125	63.423 ppb
2) HBTM Motor Oil (C24-C40)	15.58	55453122	89.596 ppb
Target Compounds			

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

Data File: G:\APOLLO\DATA\210808\808051.D
Sample : 210714A BLK 5/1000





Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\210808\808052.D Vial: 52
Acq On : 8-9-21 11:50:02 Operator: KA
Sample : 210714A LCS-1 5/1000 Inst : Apollo
Misc : water Multiplr: 5.00
IntFile : events.e
Quant Time: Aug 14 9:25 2021 Quant Results File: DOC0702.RES

Method : G:\APOLLO\DATA\210808\DOC0702.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Mon Aug 09 15:46:59 2021
Response via : Multiple Level Calibration

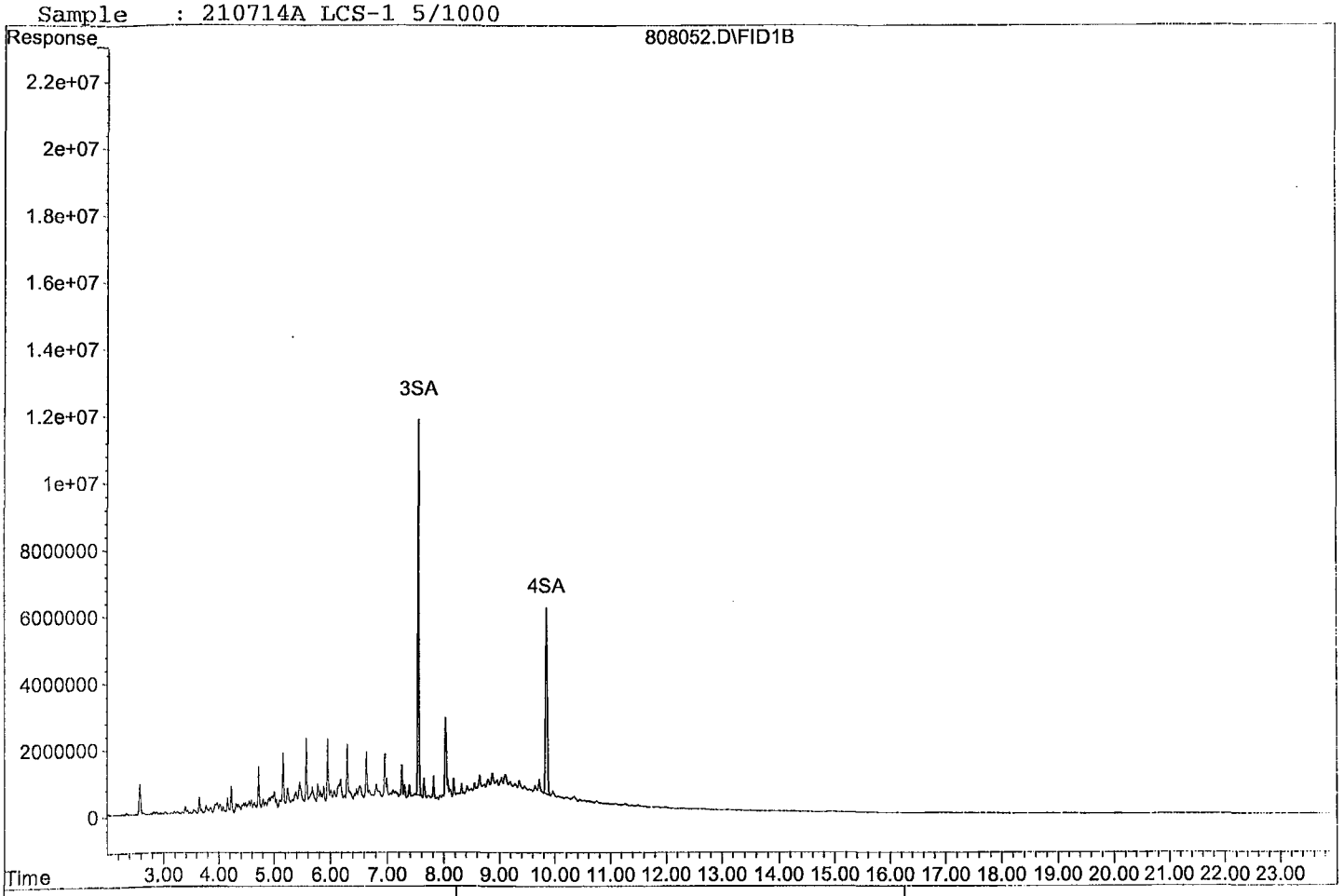
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

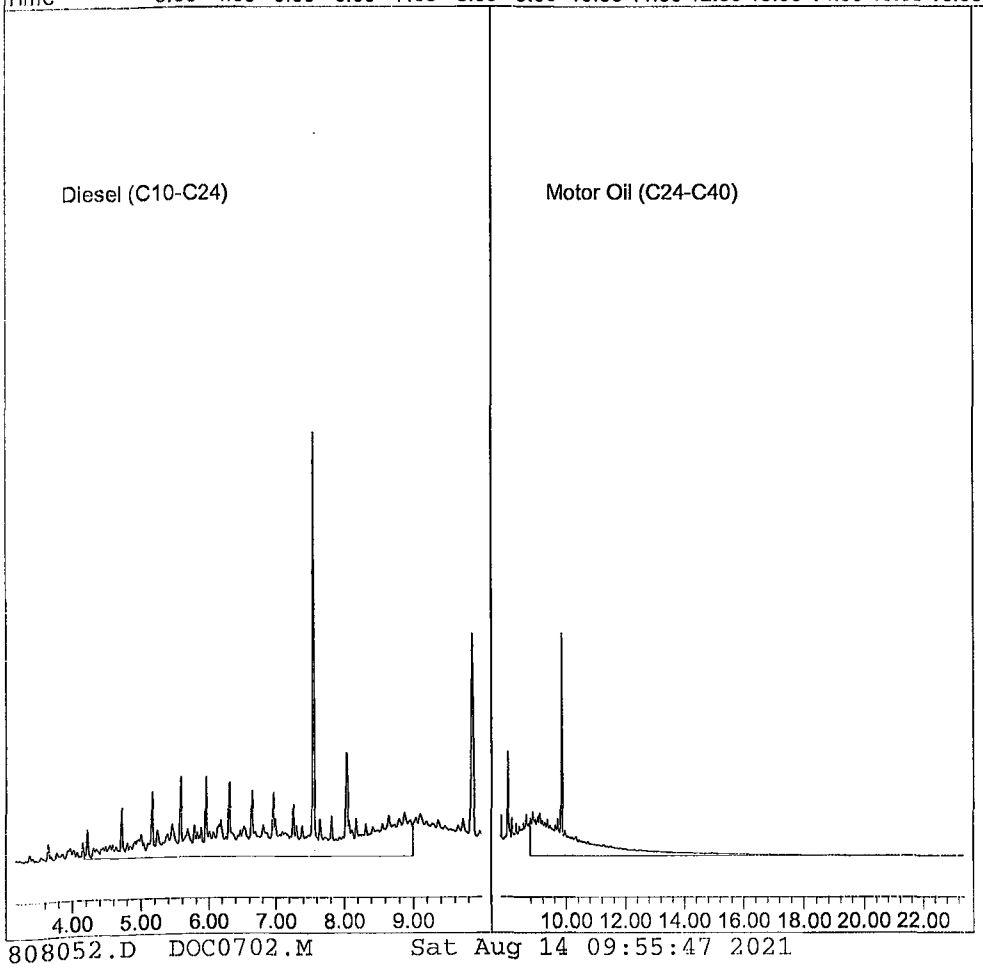
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.55	148062298	148.096 ppb
Surrogate Spike 150.000		Recovery =	98.73%
4) SA Octacosane(S)	9.85	123610203	184.699 ppb
Surrogate Spike 150.000		Recovery =	123.13%
Target Compounds			
1) HATM Diesel (C10-C24)	6.59	1811257826	2064.878 ppb
2) HBTM Motor Oil (C24-C40)	15.58	1296820889	2095.281 ppb

Target Compounds

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

Data File: G:\APOLLO\DATA\210808\808052.D
Sample : 210714A LCS-1 5/1000





Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\210808\808053.D Vial: 53
Acq On : 8-9-21 12:18:28 Operator: KA
Sample : 210714A LCSD-1 5/1000 Inst : Apollo
Misc : water Multiplr: 5.00
IntFile : events.e
Quant Time: Aug 14 9:25 2021 Quant Results File: DOC0702.RES

Method : G:\APOLLO\DATA\210808\DOC0702.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Mon Aug 09 15:46:59 2021
Response via : Multiple Level Calibration

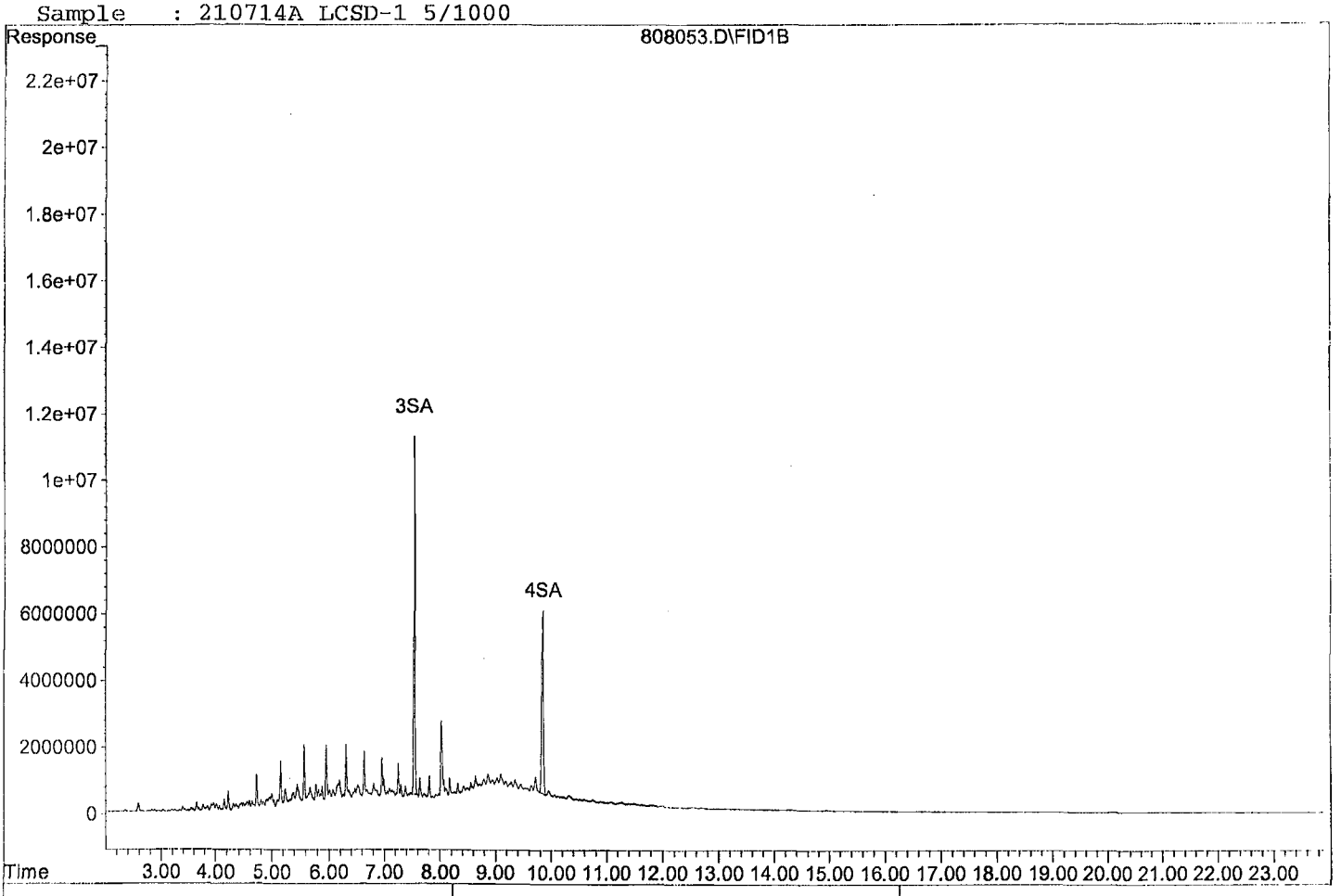
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

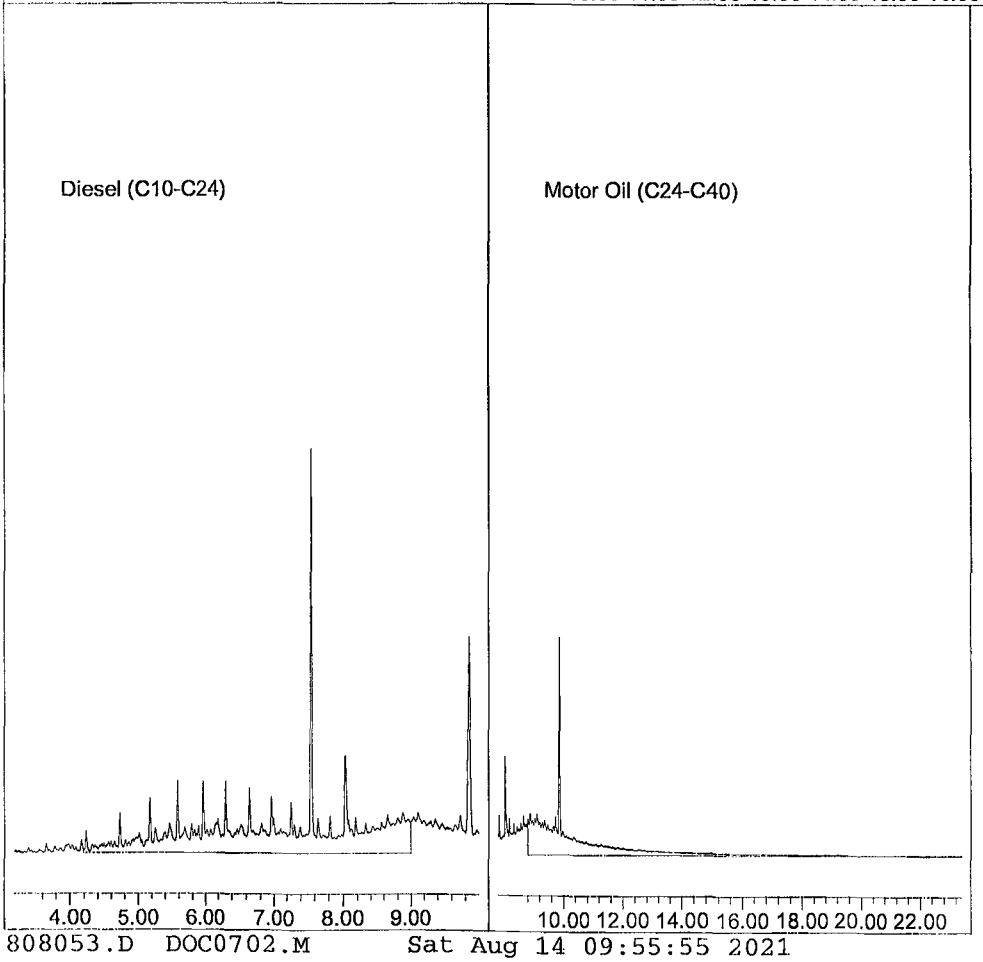
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.55	138550467	138.582 ppb
Surrogate Spike 150.000		Recovery =	92.39%
4) SA Octacosane(S)	9.85	116533073	174.124 ppb
Surrogate Spike 150.000		Recovery =	116.08%
Target Compounds			
1) HATM Diesel (C10-C24)	6.59	1645069746	1875.419 ppb
2) HBTM Motor Oil (C24-C40)	15.58	1229127560	1985.908 ppb

Target Compounds

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

Data File: G:\APOLLO\DATA\210808\808053.D
Sample : 210714A LCSD-1 5/1000





808053.D DOC0702.M Sat Aug 14 09:55:55 2021

Name of Final Standard	THC Surrogate	Prep'd By (Initials)	LS (KY)
Prep Date	07/01/21		
Exp Date	07/01/22		

Initial Standard Information						Final Standard Information				
Name of Initial Standard (QAU Label)	Supplier	Supplier Part No.	Conc.(mg/L))	Lot # with QA # (or reference to APPL prep date)	EXP DATE (1Yr)	Exp Date (Manufacturer)	Aliquot from Stock	Final Volume	Final Solvent + Lot# (or APPL Prep Date)	Final Standard Conc (range)
O-terphenyl/ Octacosane Mix	Phhenova	ALO-130161	600 mg/L	CL15902-52325	07/01/22	10/31/25	NA	NA	NA	600 mg/L

Name of Final Standard	Diesel Motor Oil Standard
Prep Date	06/30/21
Exp Date	06/30/21
MC	

MB

Initial Standard Information						Final Standard Information			
Name of Standard	Supplier	Supplier P/N# (or APPL Mix Name)	Conc.(ug/mL)	Lot # QA Number	Exp. Date	Allquot from Stock	Final Volume	solvent	Final Standard Conc (range)
Diesel Fuel #2	Restek	31258	50,000	A0164485-52484	46,691	400 uL	10 mL	MC	2000 ug/mL
Motor Oil	Restek	31464	50,000	A0166510-52488	46,752	400 uL	10 mL	MC	2000 ug/mL
THC Surrogate	Phenova	ALO-130161	600	CL15902-51797	10/31/25	1666uL	10 mL	MC	100 ug/mL

Diesel Motor Oil Calibration Curve

Prep'd By (Initials) MB

Prep Date	07/02/21
Exp Date	07/02/22

						Final Standard Information			
Name of Initial Standard (from contlaner Label)	Supplier	Supplier P/N# (or APPL Mix Name)	Conc. (ug/mL)	Lot # with QA # (or reference to APPL prep date)	Exp Date	Aliquot from Stock	Final Volume	Solvent	Final Standard Conc (ug/mL)
Diesel Motor Oil Calibration STD -2	AAPL	Diesel /Motor Oil 1	10	04/21/21	05/06/22	100 uL	200 uL	MC	5
Diesel Motor Oil Calibration STD-3	AAPL	Diesel /Motor Oil 2	50	04/21/21	05/06/22	200 uL	1 mL	MC	10
Diesel Motor Oil Calibration STD	Restek	Diesel /Motor Oil 3	2000	04/21/21	05/06/22	25 uL	1mL	MC	50
Diesel Motor Oil Calibration STD	Restek	Diesel /Motor Oil 4	2000	04/21/21	05/06/22	125 uL	1mL	MC	250
Diesel Motor Oil Calibration STD	Restek	Diesel /Motor Oil 5	2000	04/21/21	05/06/22	500 uL	1 mL	MC	1000
Diesel Motor Oil Calibration STD	Restek	Diesel /Motor Oil 6	2000	04/21/21	05/06/22	750 uL	1 mL	MC	1500
Diesel Motor Oil Calibration STD	Restek	Diesel /Motor Oil 7	2000	04/21/21	05/06/22	100uL	100 uL	MC	2000

Diesel Motor Oil CCV

Prepared By (Initials): MB

Prep Date	06/30/21
Exp Date	06/30/21
Methylene Chloride Lot No.	59353

Initial Standard Information						Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	APPL Mix name	Conc.(ug/mL)	Reference to APPL Prep Date and Lot #'s	Exp Date	Aliquot from Stock	Final Volume	Solvent	Final Standard Conc (ug/mL)
Diesel-Motor Oil Standard	Restek	Diesel Motor Oil CCV	2000	**Perp'd: 09/05/20 A0156490-156569-51860, A0155668-160024-51534, CL15440-500953**	**06/30/25**	1250 uL	10mL	**MC**	250

Diesel Motor Oil Mix

Prepared: 06/28/21

Expires: 06/28/22

Prepared By (Initials): MB

Initial Standard Information							Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	Supplier Part No.	Conc. (ug/mL)	Lot Number - QA Number	Exp. Date (1 yr.)	Exp. Date (Manufacturer)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/mL)
Diesel Fuel #2	Restek	31258	50,000	A0164485-52482,52484,52483, 52480	06/28/22	02/28/27	4.00 mL	8.0 mL	NA	25,000
Motor Oil Composite	Restek	31464	50,000	A0166510-52485,52486.52487, 52484	06/28/22	09/30/27	4.00 mL			25,000

_LIQ005SGC

Organic Extraction Worksheet

Method	Continuous Liq/Liq TPH- 3520C w/SGC	Extraction Set	210714A	Extraction Method	LIQ005SGC	Units	mL

Spiked ID 1	Diesel Motor Oil Mix 6-28-21 6-28-22		Surrogate ID 1	THC Surrogate 7-6-21 7-6-22	
Spiked ID 2	Decanoic 1000ug/mL Acid Solution 7-13-21 7-13-22		Surrogate ID 2		
Spiked ID 3			Surrogate ID 3		
Spiked ID 4			Surrogate ID 4		
Spiked ID 5			Surrogate ID 5		
Spiked ID 6			Sufficient Vol for Matrix QC:	NO	
Spiked ID 7			Ext. Start Time:	07/14/21 12:28	
Spiked ID 8			Ext. End Time:	07/15/21 8:40	
			GC Requires Extract By:		

pH1	2	07/14/21 11:25	Water Bath Temp 1 °C	42/40.5 °C
pH2	2	07/14/21 14:05	Water Bath Temp 2 °C	38/41.1
pH3			Water Bath Temp 3 °C	35/34.5 °C

Spiked By: YL **Date** 7/14/2021 **Witnessed By:** CFM **Date** 7/14/2021

	Sample	Sample Container	Spike Amount	Spike ID	Surrogate Amount	Surrogate ID	Extract Amount	Final Volume	pH	Extract Date/Time	Comments
1	210714A Blk		0.050	2	0.250	1	10000	5	2	07/14/21 11:35	*
						equip	E-HP3 E-WB1				
2	210714A LCS-1		0.080,0.050	1,2	0.250	1	10000	5	2	07/14/21 11:35	*
						equip	E-HP4 E-WB2				
3	210714A LCSD-1		0.080,0.050	1,2	0.250	1	1000	5	2	07/14/21 11:35	*
						equip	E-HP6 E-WB3				
4	BA35745	BA35745W08	0.050	2	0.250	1	1020	5	2	07/14/21 11:35	96778 *
						equip	E-HP7 E-WB1				
5	BA35748	BA35748W08	0.050	2	0.250	1	1040	5	2	07/14/21 11:35	96778 *
						equip	E-HP8 E-WB2				
6	BA35750	BA35750W08	0.050	2	0.250	1	1040	5	2	07/14/21 11:35	96778 *
						equip	E-HP9 E-WB3				
7	BA35753	BA35753W08	0.050	2	0.250	1	1000	5	2	07/14/21 11:35	96778 *
						equip	E-HP10 E-WB1				
8	BA36030	BA36030W09	0.050	2	0.250	1	1050	5	2	07/14/21 14:10	96810 *
						equip	E-HP11 E-WB2				
9	BA36031	BA36031W09	0.050	2	0.250	1	1010	5	2	07/14/21 14:10	96810 *
						equip	E-HP12 E-WB3				

Solvent and Lot#	
1+1 HCL (5mLs)	60282
PH Strips	HC148594
Dichloromethane (DCM)	60338
Filter Paper	400181
Sodium Sulfate	2020120870
SILICA GEL (*)	050627T

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

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

Modified	7/19/2021 6:55:14 AM

Reviewed By: KY **Date** 7/19/2021

Injection Log

Directory: G:\APOLLO\DATA\2021\210702\

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	5	702005.D	1	DMO STD-1 07/02/21	water	7-2-21 14:35:23
2	6	702006.D	1	DMO STD-2 07/02/21	water	7-2-21 15:03:41
3	7	702007.D	1	DMO STD-3 07/02/21	water	7-2-21 15:32:00
4	8	702008.D	1	DMO STD-4 07/02/21	water	7-2-21 16:01:03
5	9	702009.D	1	DMO STD-5 07/02/21	water	7-2-21 16:29:22
6	10	702010.D	1	DMO STD-6 07/02/21	water	7-2-21 16:57:44
7	11	702011.D	1	DMO STD-7 07/02/21	water	7-2-21 17:26:03
8	12	702012.D	1	DMO STD-SS 07/02/21	water	7-2-21 17:54:24
9	49	808049.D	1	Diesel Motor Oil CCV-8/5/21	water	8-9-21 10:24:45
10	51	808051.D	5	210714A BLK 5/1000	water	8-9-21 11:21:38
11	52	808052.D	5	210714A LCS-1 5/1000	water	8-9-21 11:50:02
12	53	808053.D	5	210714A LCSD-1 5/1000	water	8-9-21 12:18:28
13	54	808054.D	4.80769	BA35748W08 5/1040	water	8-9-21 12:46:54
14	55	808055.D	4.90196	BA35745W08 5/1020	water	8-9-21 13:15:21
15	56	808056.D	4.80769	BA35750W08 5/1040	water	8-9-21 13:43:46
16	57	808057.D	5	BA35753W08 5/1000	water	8-9-21 14:12:11
17	60	808060.D	1	Diesel Motor Oil CCV-8/5/21	water	8-9-21 15:37:22

ORGANICS

Calibration Data

TPH Extractables
DOC0702

Form 6
Initial Calibration

Lab Name: APPL, Inc. SDG No:
Case No: Initial Cal. Date: 07/02/21
Matrix: Water Instrument: Apollo
Initials: MB

			702005.D	702006.D	702007.D	702008.D	702009.D	702010.D	702011.D								
		Compound	1	2	3	4	5	6	7				Avg	%RSD	Type	r^2	Q
1	HATM	Diesel (C10-C24)	3016894	1951949	2014939	2067917	2039722	2119264	2139867				2192936	17	HATM		
2	HBTM	Motor Oil (C24-C40)		1676406	1491952	1522421	1492860	1546113	1554117				1547312	4.4	HBTM		
3	SA	Ortho-Terphenyl(S)	2636466	2540006	2431557	2529925	2422677	2435838	2499496				2499423	3.1	SA		
4	SA	Octacosane(S)	1728504	1650255	1588691	1695307	1644244	1699403	1705536				1673134	2.9	SA		
5																	
6																	
7																	
8																	
9																	
10																	
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34																	
35																	

0.776978

FORM61

APPL 07/06/21 8:48 AM

Data File : G:\APOLLO\DATA\210702\702005.D Vial: 5
Acq On : 7-2-21 14:35:23 Operator: MB
Sample : DMO STD-1 07/02/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Jul 6 8:47 2021 Quant Results File: DOC0702.RES

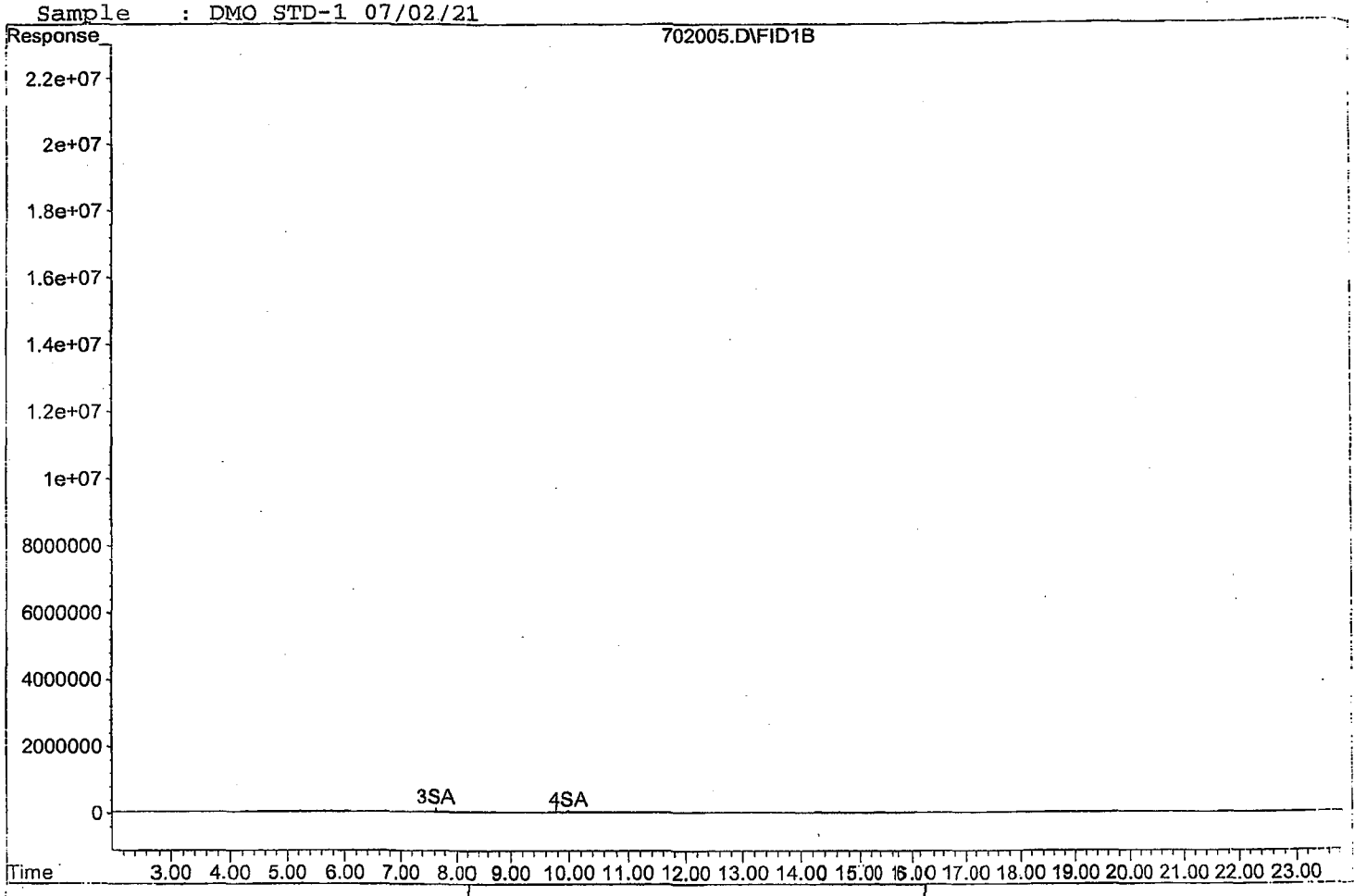
Method : G:\APOLLO\DATA\210702\DOC0702.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Tue Jul 06 08:45:30 2021
Response via : Multiple Level Calibration

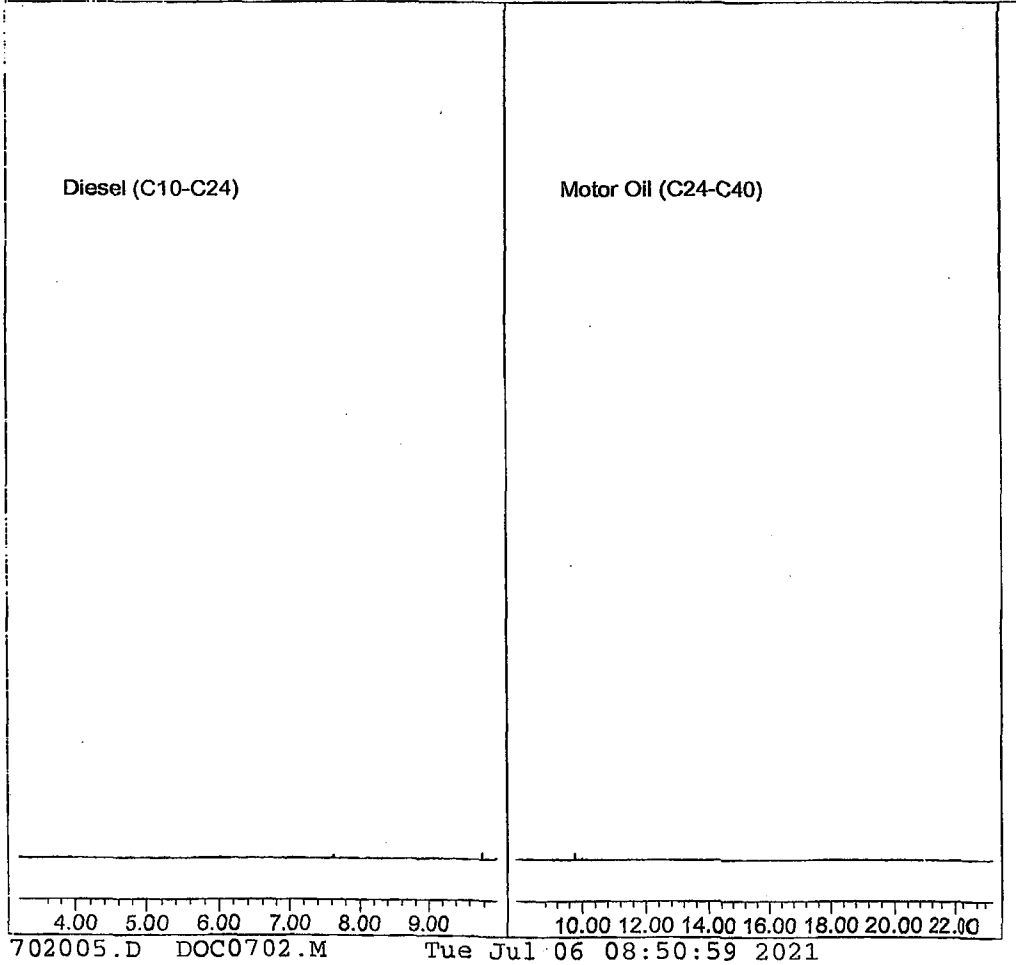
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terpheny1(S)	7.63	1318233	0.264 ppb
Surrogate Spike 30.000	Recovery	=	0.88%
4) SA Octacosane(S)	9.99	864252	0.258 ppb
Surrogate Spike 30.000	Recovery	=	0.86%
Target Compounds			
1) HATM Diesel (C10-C24)	6.59	30168940	6.879 ppb
2) HBTM Motor Oil (C24-C40)	15.58	26926949	8.701 ppb
Target Compounds			

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

Data File: G:\APOLLO\DATA\210702\702005.D
Sample : DMO STD-1 07/02/21





702005.D DOC0702.M Tue Jul 06 08:50:59 2021

Data File : G:\APOLLO\DATA\210702\702006.D Vial: 6
Acq On : 7-2-21 15:03:41 Operator: MB
Sample : DMO STD-2 07/02/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Jul 6 8:47 2021 Quant Results File: DOC0702.RES

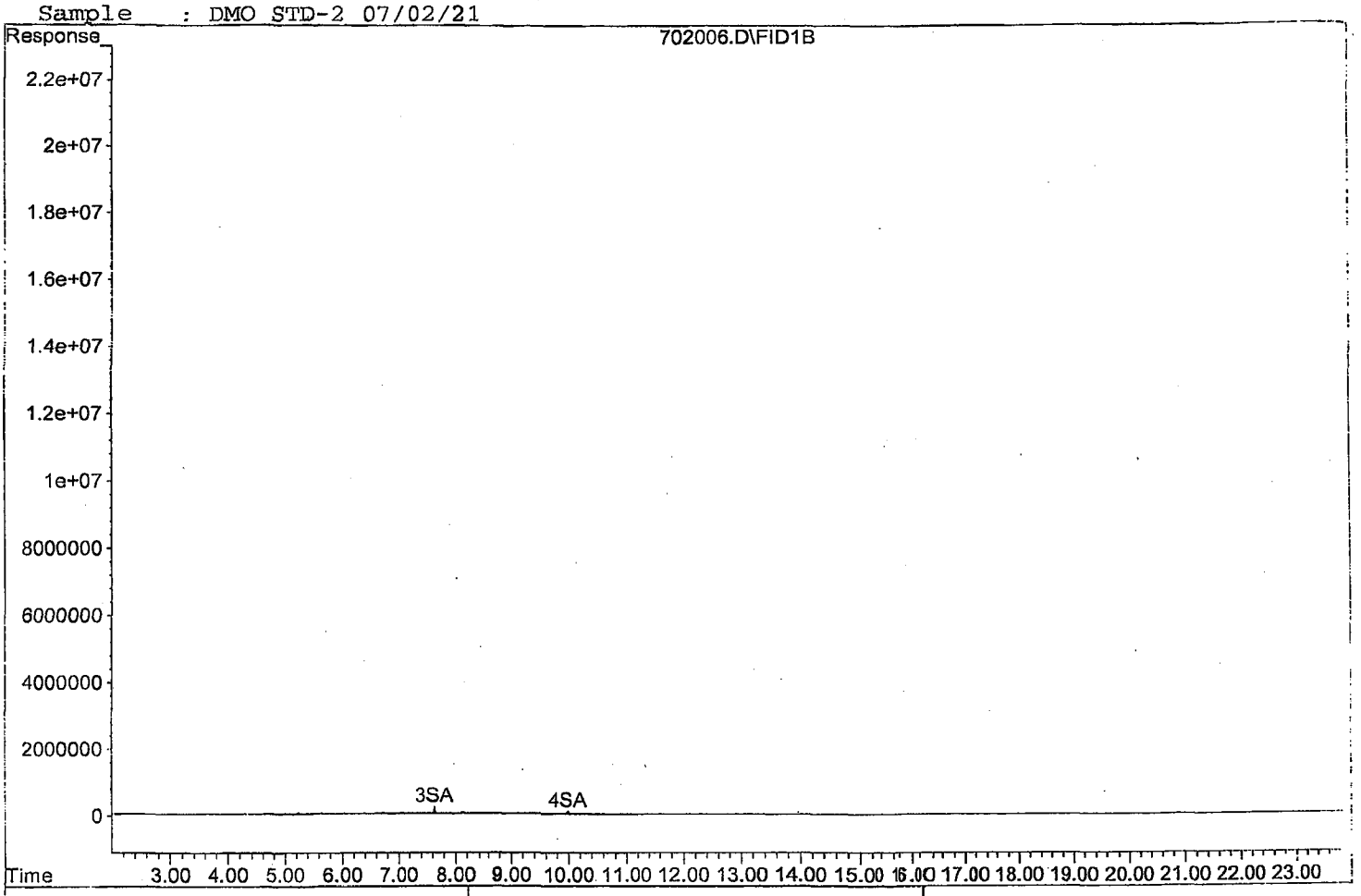
Method : G:\APOLLO\DATA\210702\DOC0702.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Tue Jul 06 08:45:30 2021
Response via : Multiple Level Calibration

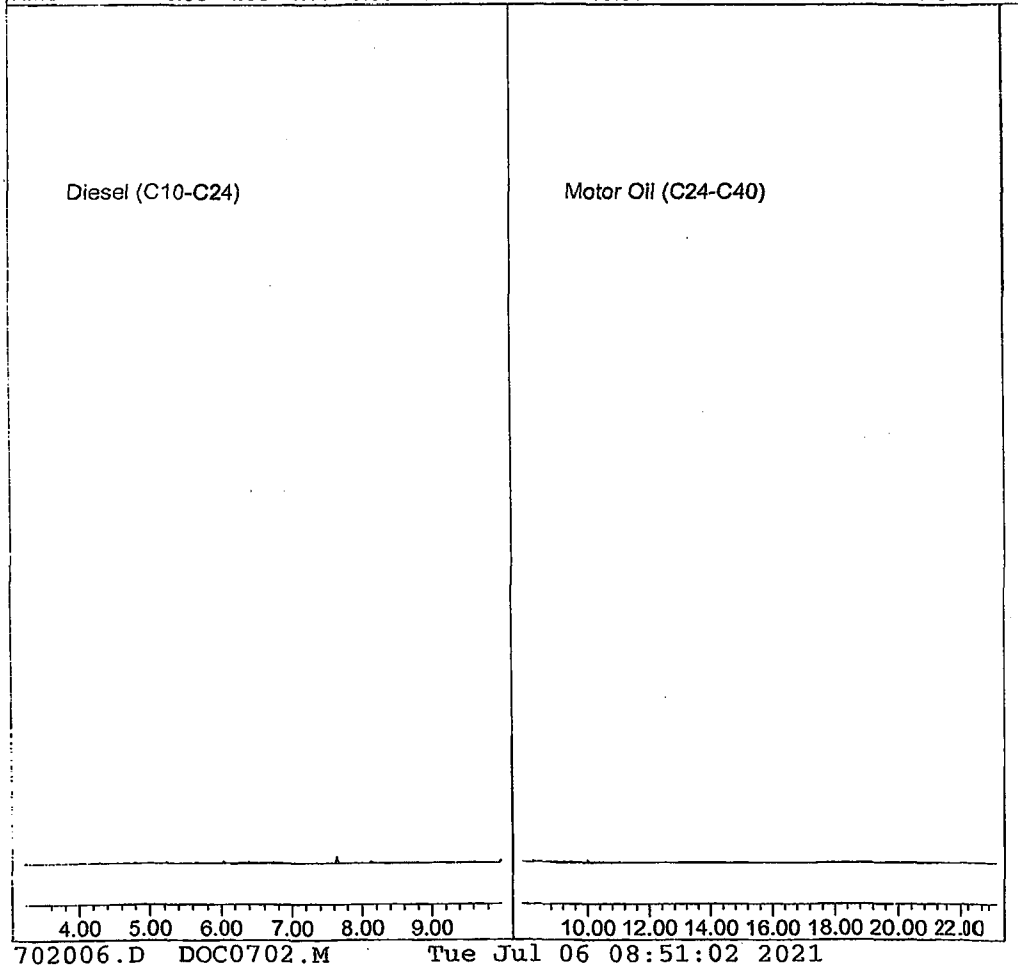
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.63	2540006	0.508 ppb
Surrogate Spike 30.000	Recovery	=	1.69%
4) SA Octacosane(S)	9.99	1650255	0.493 ppb
Surrogate Spike 30.000	Recovery	=	1.64%
Target Compounds			
1) HATM Diesel (C10-C24)	6.59	39038983	8.901 ppb
2) HBTM Motor Oil (C24-C40)	15.58	33528117	10.834 ppb
Target Compounds			

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

Data File: G:\APOLLO\DATA\210702\702006.D
Sample : DMO STD-2 07/02/21





Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\210702\702007.D Vial: 7
Acq On : 7-2-21 15:32:00 Operator: MB
Sample : DMO STD-3 07/02/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Jul 6 8:47 2021 Quant Results File: DOC0702.RES

Method : G:\APOLLO\DATA\210702\DOC0702.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Tue Jul 06 08:45:30 2021
Response via : Multiple Level Calibration

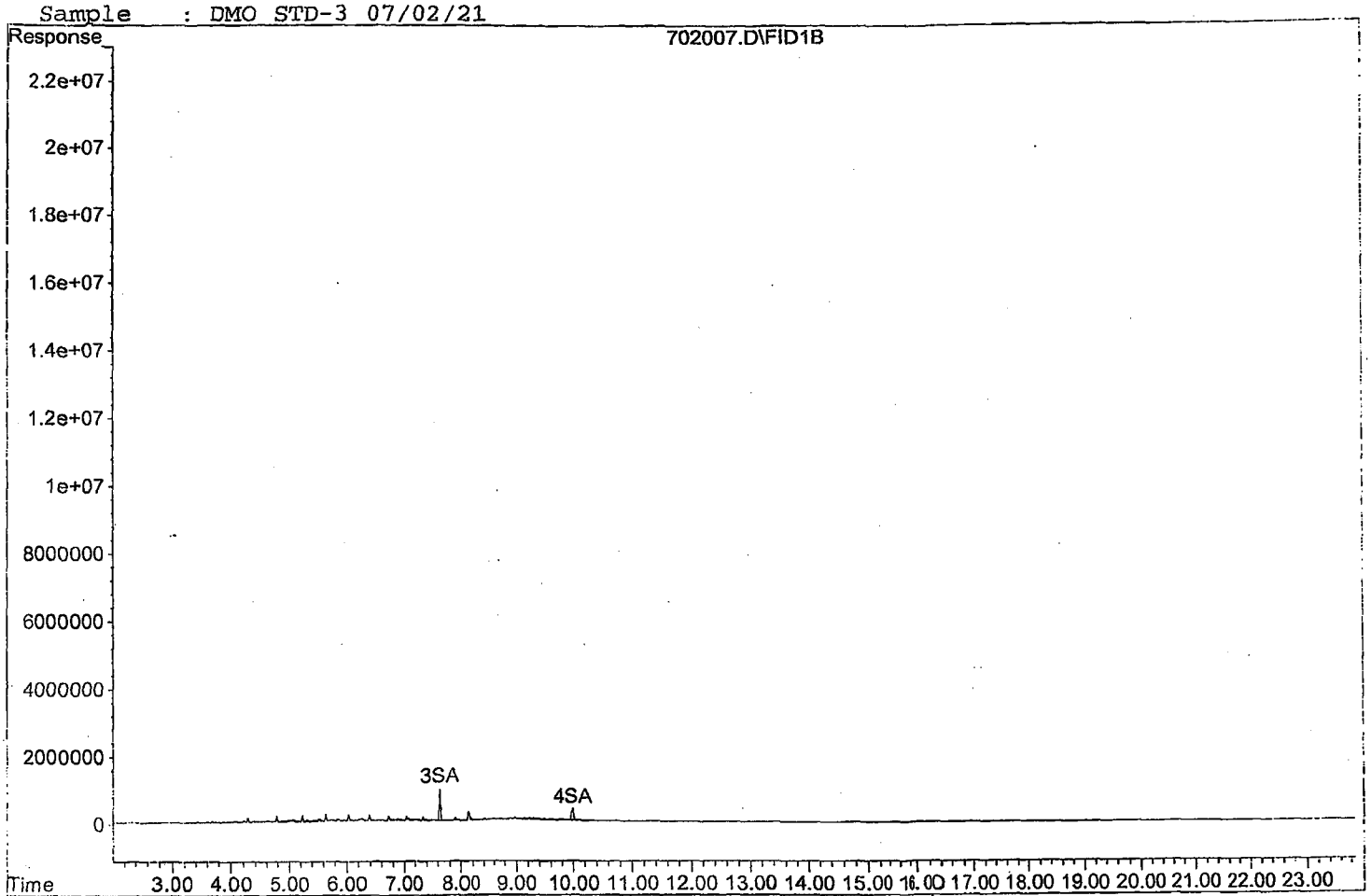
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

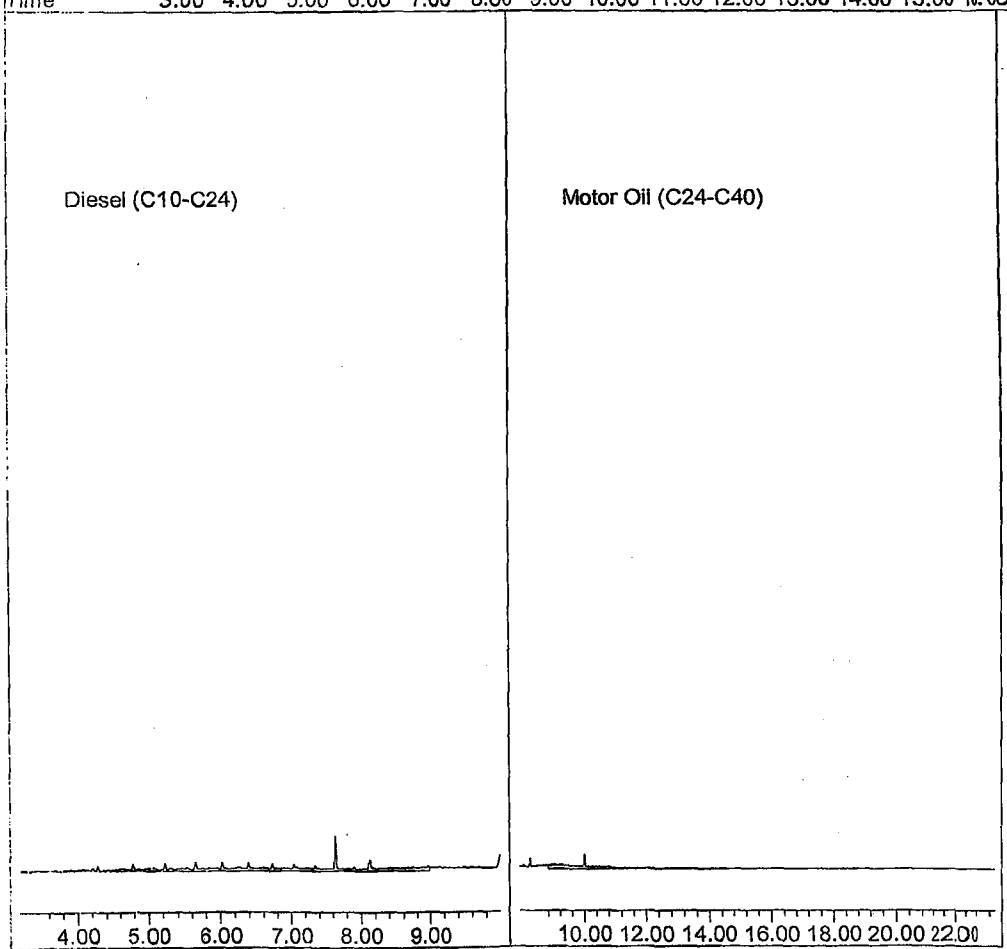
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.63	12157783	2.432 ppb
Surrogate Spike 30.000	Recovery =		8.11%
4) SA Octacosane(S)	9.99	7943456	2.374 ppb
Surrogate Spike 30.000	Recovery =		7.91%
Target Compounds			
1) HATM Diesel (C10-C24)	6.59	201493934	45.942 ppb
2) HBTM Motor Oil (C24-C40)	15.58	149195183	48.211 ppb

Target Compounds

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

Data File: G:\APOLLO\DATA\210702\702007.D
Sample : DMO STD-3 07/02/21





Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\210702\702008.D Vial: 8
Acq On : 7-2-21 16:01:03 Operator: MB
Sample : DMO STD-4 07/02/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Jul 6 8:47 2021 Quant Results File: DOC0702.RES

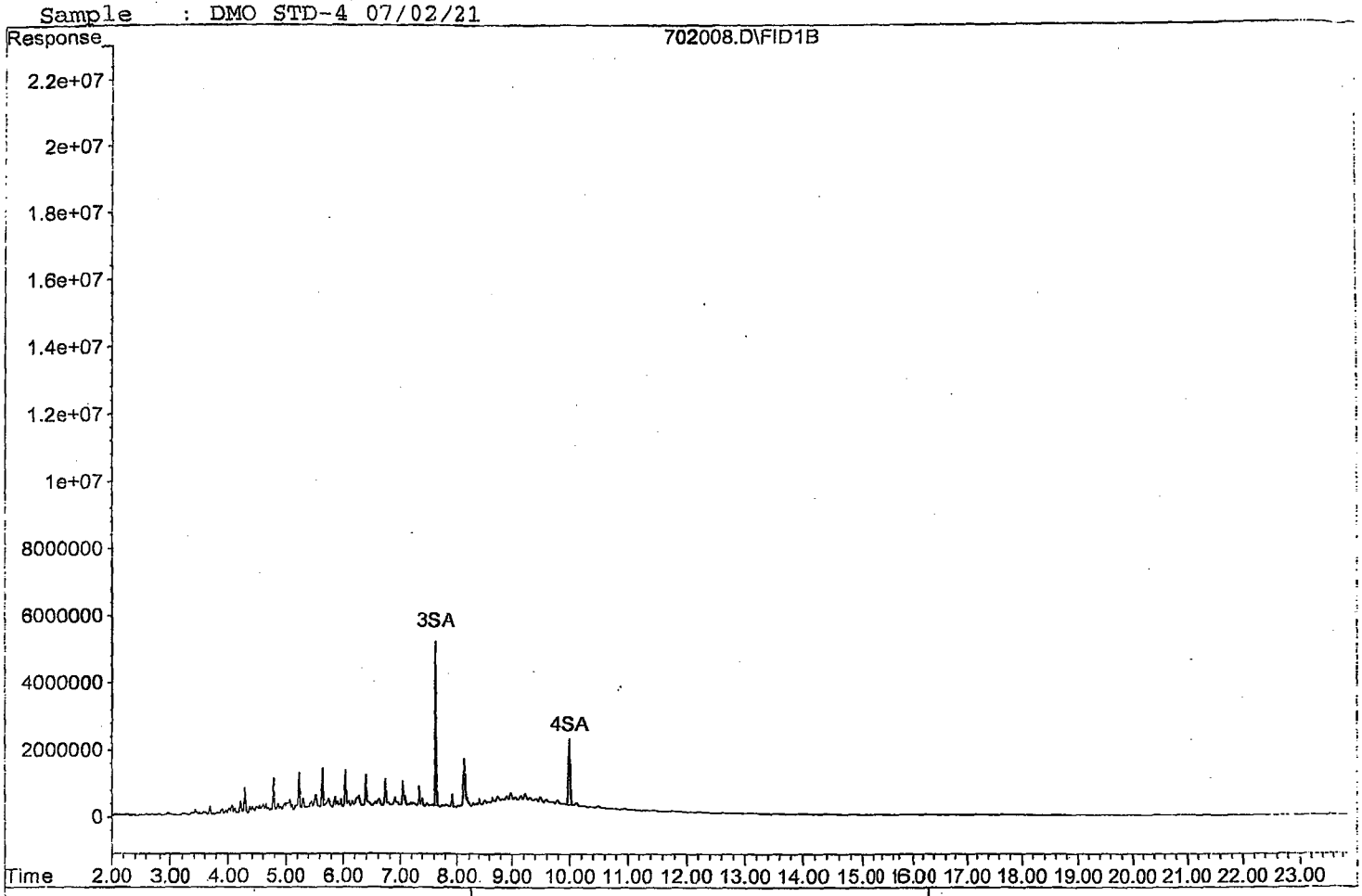
Method : G:\APOLLO\DATA\210702\DOC0702.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Tue Jul 06 08:45:30 2021
Response via : Multiple Level Calibration

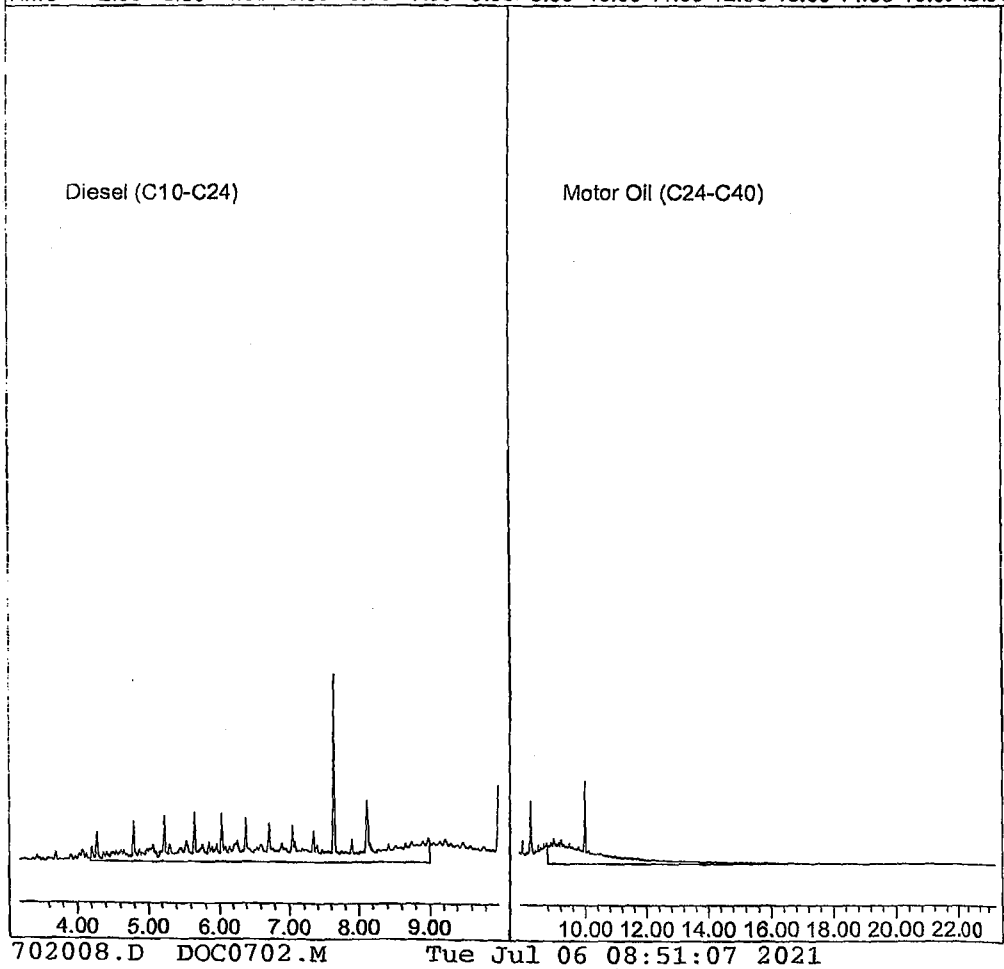
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.63	63248117	12.653 ppb
Surrogate Spike 30.000	Recovery =		42.18%
4) SA Octacosane(S)	9.99	42382685	12.666 ppb
Surrogate Spike 30.000	Recovery =		42.22%
Target Compounds			
1) HATM Diesel (C10-C24)	6.59	1033958317	235.747 ppb
2) HBTM Motor Oil (C24-C40)	15.58	761210432	245.978 ppb
Target Compounds			

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

Data File: G:\APOLLO\DATA\210702\702008.D
Sample : DMO STD-4 07/02/21





702008.D DOC0702.M Tue Jul 06 08:51:07 2021

Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\210702\702009.D Vial: 9
Acq On : 7-2-21 16:29:22 Operator: MB
Sample : DMO STD-5 07/02/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Jul 6 8:47 2021 Quant Results File: DOC0702.RES

Method : G:\APOLLO\DATA\210702\DOC0702.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Tue Jul 06 08:45:30 2021
Response via : Multiple Level Calibration

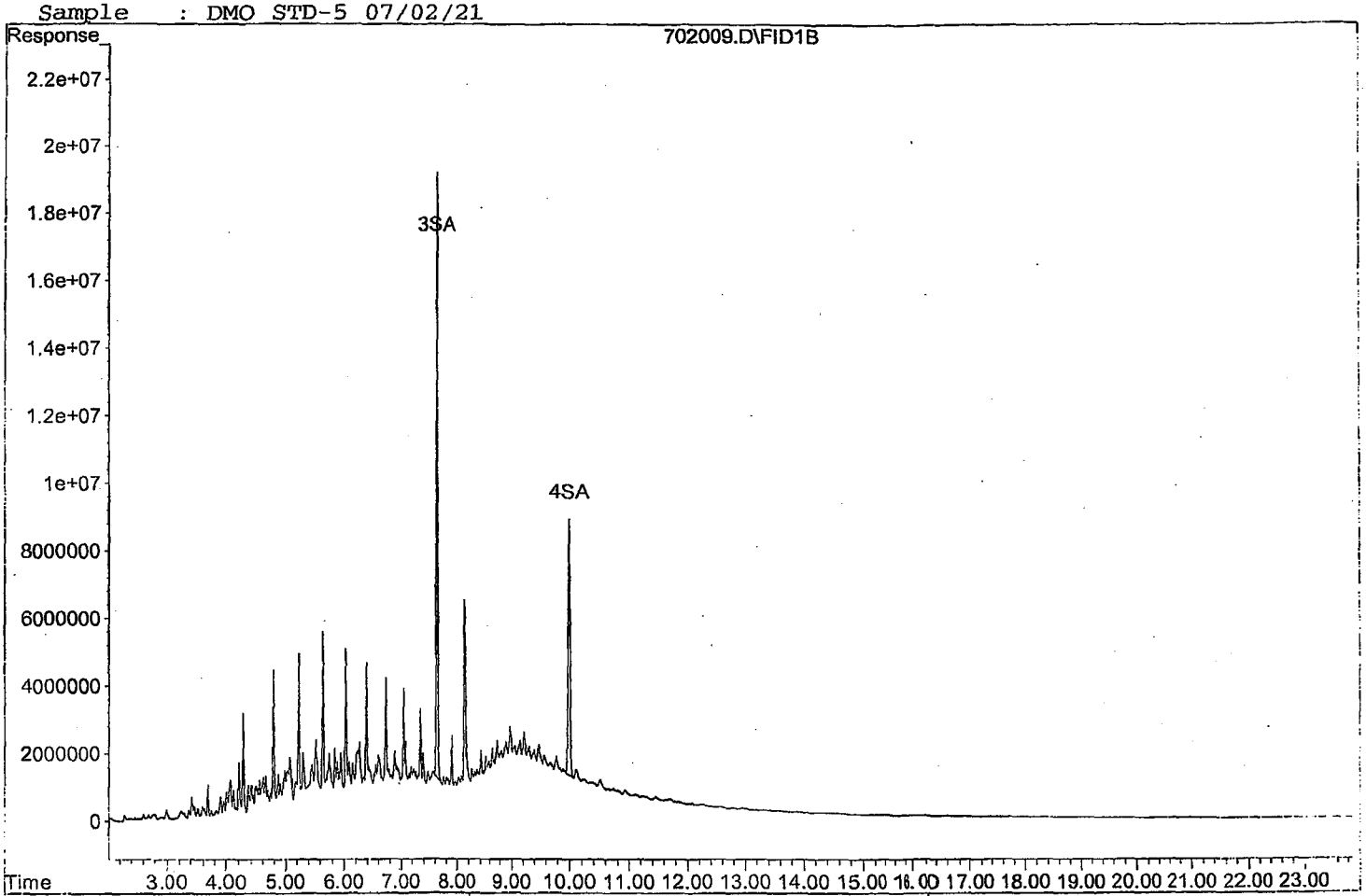
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

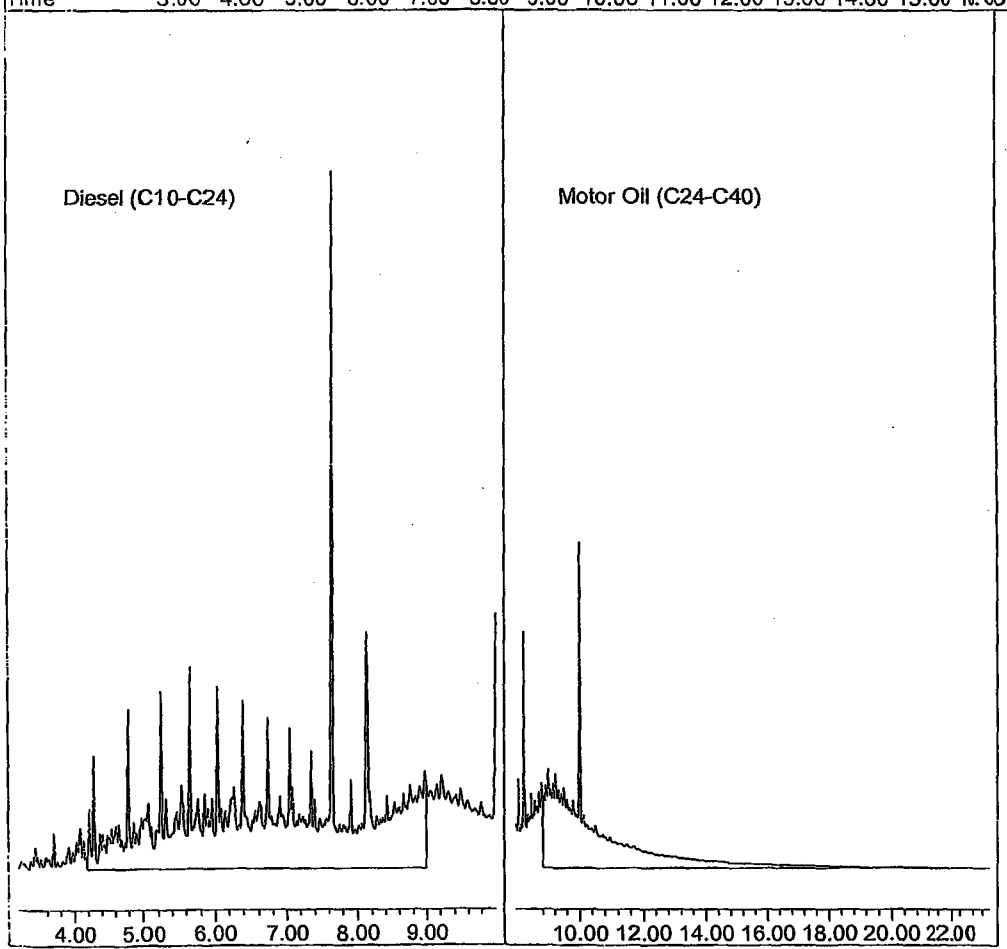
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.64	242267738	48.465 ppb
Surrogate Spike 30.000		Recovery =	161.55%
4) SA Octacosane(S)	10.00	164424401	49.137 ppb
Surrogate Spike 30.000		Recovery =	163.79%
Target Compounds			
1) HATM Diesel (C10-C24)	6.59	4079443154	930.133 ppb
2) HBTM Motor Oil (C24-C40)	15.58	2985720309	964.809 ppb
Target Compounds			

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

Quantitation Report

Data File: G:\APOLLO\DATA\210702\702009.D
Sample : DMO STD-5 07/02/21





Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\210702\702010.D Vial: 10
Acq On : 7-2-21 16:57:44 Operator: MB
Sample : DMO STD-6 07/02/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Jul 6 8:47 2021 Quant Results File: DOC0702.RES

Method : G:\APOLLO\DATA\210702\DOC0702.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Tue Jul 06 08:45:30 2021
Response via : Multiple Level Calibration

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

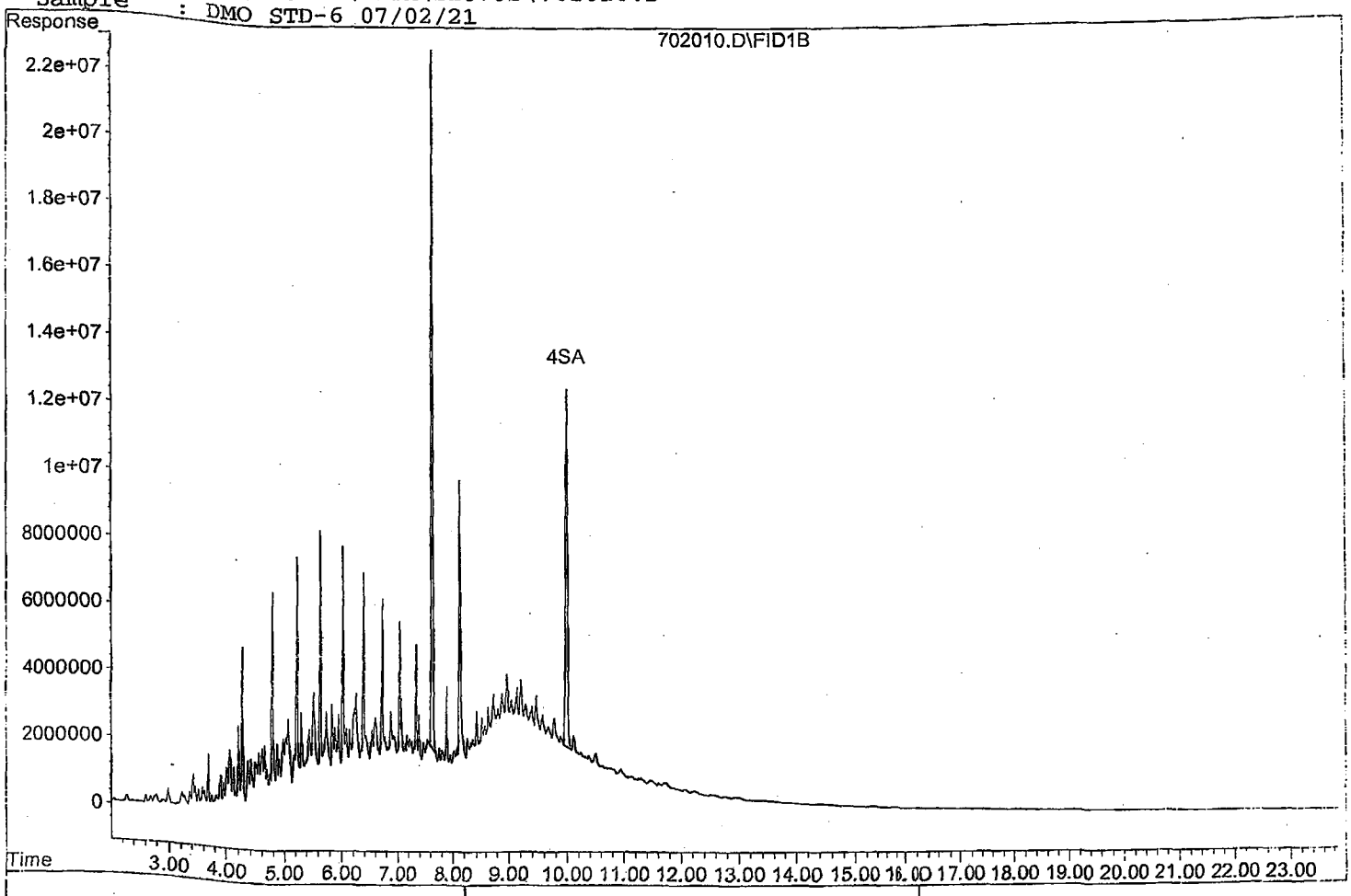
Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
3) SA Ortho-Terphenyl(S)	7.64	365375654	73.092	ppb
Surrogate Spike 30.000		Recovery =	243.64%	
4) SA Octacosane(S)	10.00	254910432	76.178	ppb
Surrogate Spike 30.000		Recovery =	253.93%	
Target Compounds				
1) HATM Diesel (C10-C24)	6.59	6357793272	1449.608	ppb
2) HBTM Motor Oil (C24-C40)	15.58	4638339387	1498.838	ppb

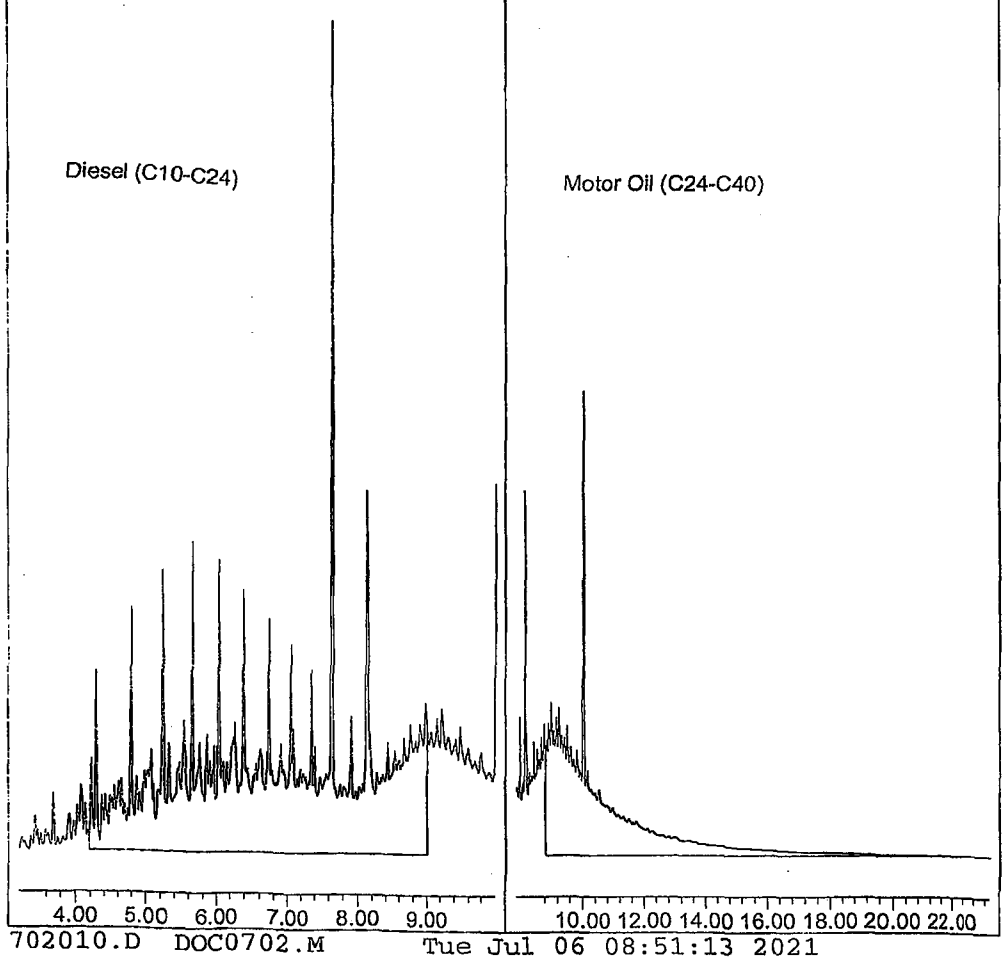
Target Compounds

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

Quantitation Report

Data File: G:\APOLLO\DATA\210702\702010.D
Sample : DMO STD-6 07/02/21





702010.D DOC0702.M Tue Jul 06 08:51:13 2021

Data File : G:\APOLLO\DATA\210702\702011.D Vial: 11
Acq On : 7-2-21 17:26:03 Operator: MB
Sample : DMO STD-7 07/02/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Jul 6 8:47 2021 Quant Results File: DOC0702.RES

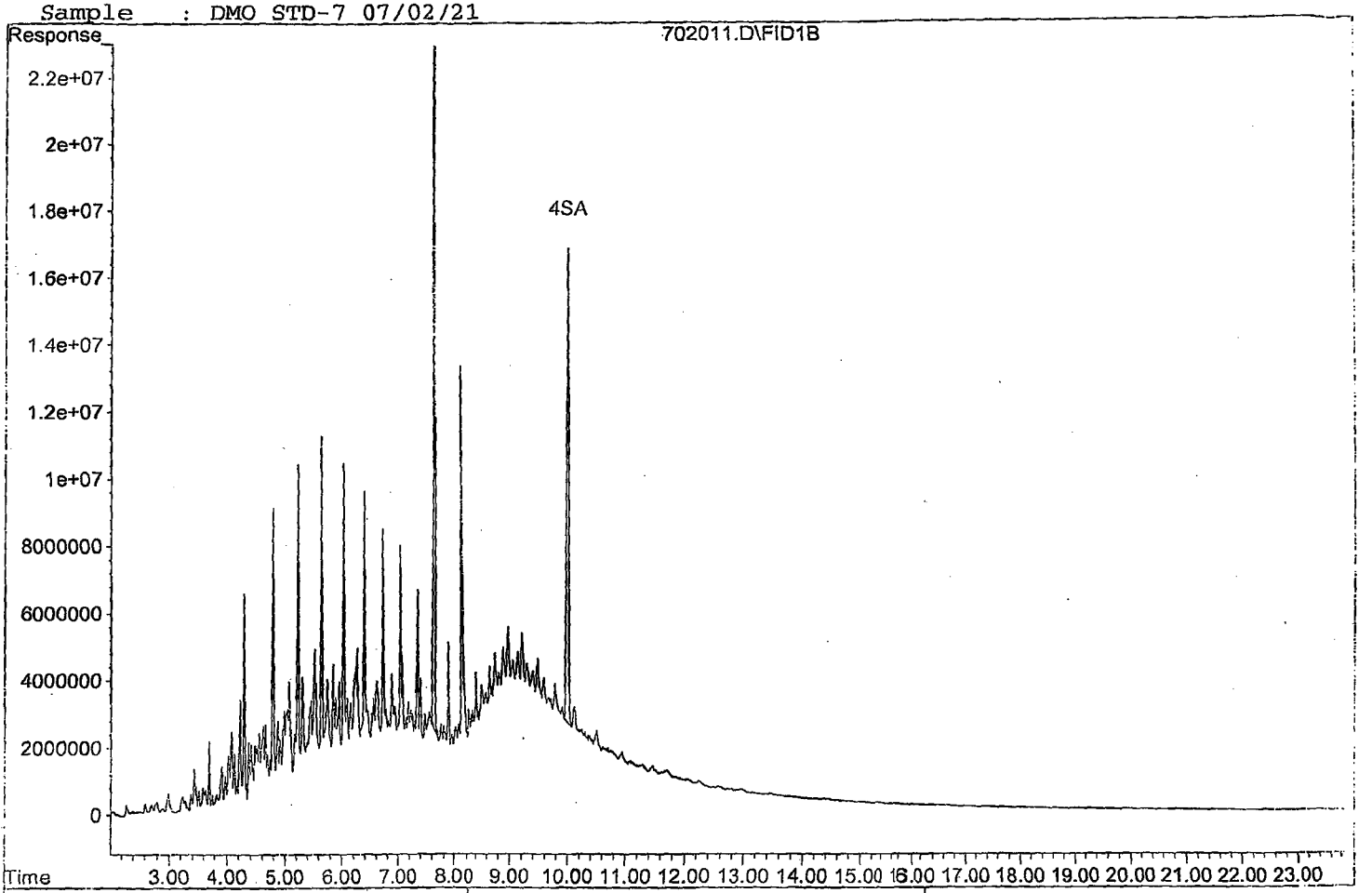
Method : G:\APOLLO\DATA\210702\DOC0702.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Tue Jul 06 08:45:30 2021
Response via : Multiple Level Calibration

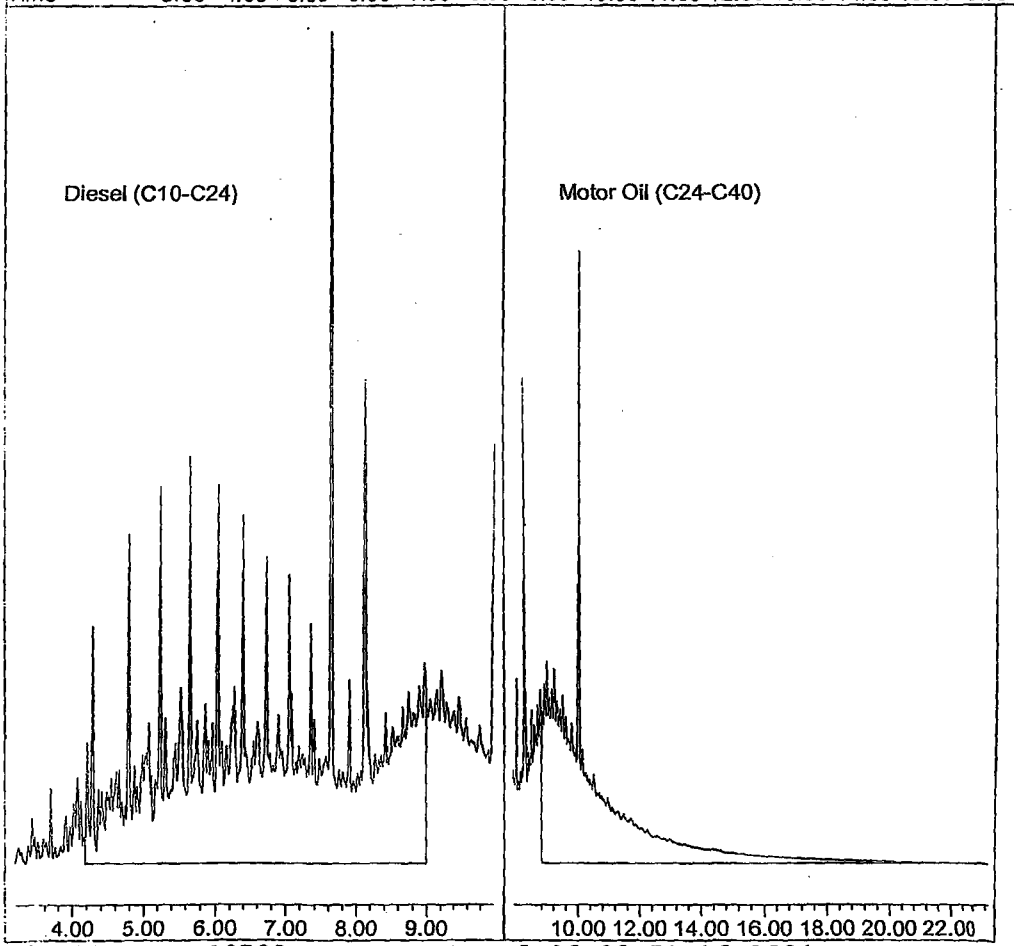
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
3) SA Ortho-Terphenyl(S)	7.64	499899155	100.003	ppb
Surrogate Spike 30.000		Recovery =	333.34%	
4) SA Octacosane(S)	10.01	341107264	101.937	ppb
Surrogate Spike 30.000		Recovery =	339.79%	
Target Compounds				
1) HATM Diesel (C10-C24)	6.59	8559469801	1951.600	ppb
2) HBTM Motor Oil (C24-C40)	15.58	6216469170	2008.797	ppb
Target Compounds				

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

Data File: G:\APOLLO\DATA\210702\702011.D
Sample : DMO STD-7 07/02/21





702011.D DOC0702.M Tue Jul 06 08:51:16 2021

TPH Extractables
DOC0702

Form 7

Second Source Calibration

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

SDG No:
Date Analyzed: 07/02/21
Instrument: Apollo
Initial Cal. Date: 07/02/21
Data File: 702012.D

		Compound	MEAN	CCRF	%D		%Drift
1	HATM	Diesel (C10-C24)	2192940	2197080	0.19	HATM	
2	HBTM	Motor Oil (C24-C40)	1547310	1697380	9.7	HBTM	
3							
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37							
38							
39							
40							
		Average			4.9		

Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\210702\702012.D Vial: 12
Acq On : 7-2-21 17:54:24 Operator: MB
Sample : DMO STD-SS 07/02/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Jul 6 8:49 2021 Quant Results File: DOC0702.RES

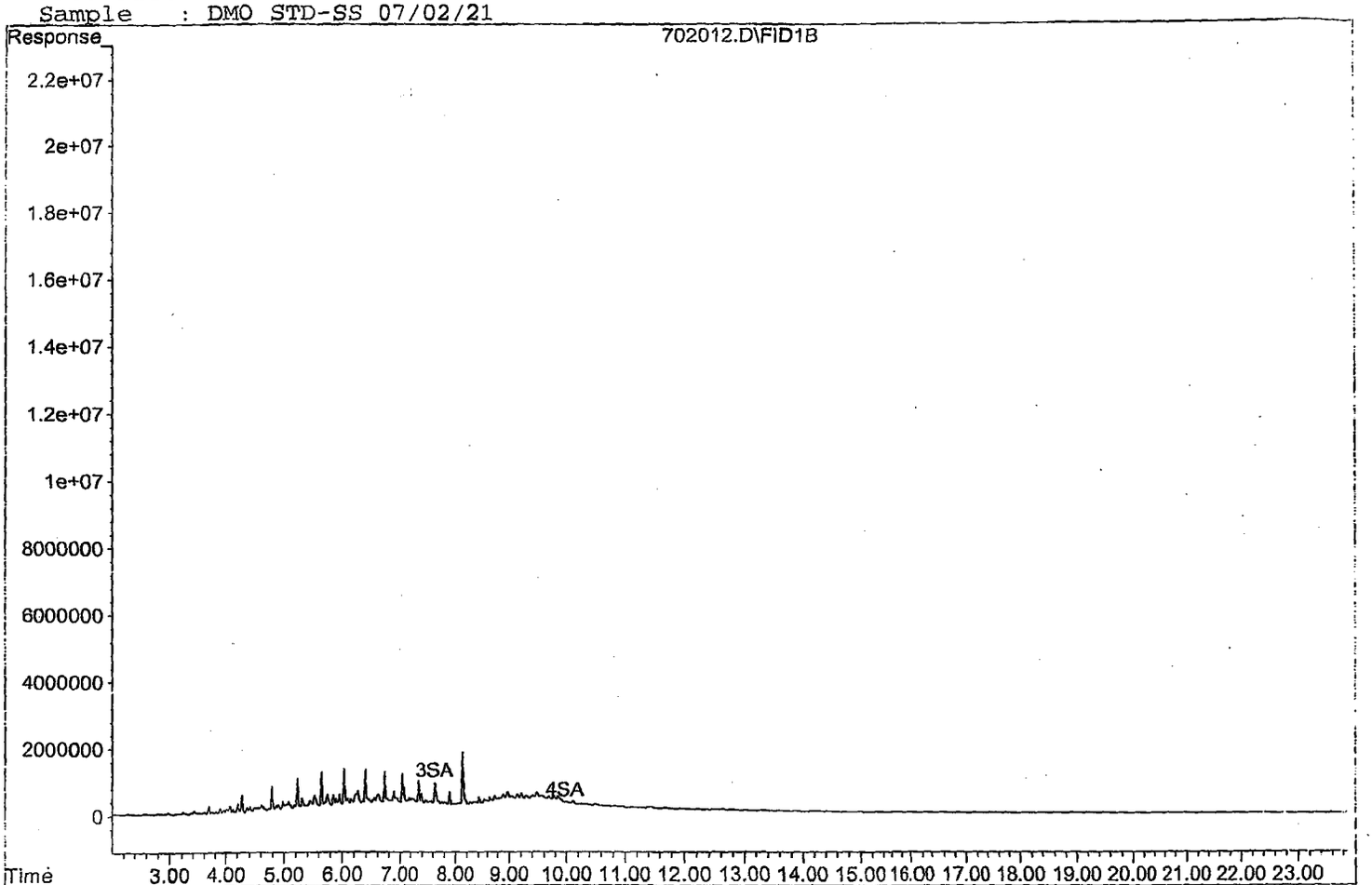
Method : G:\APOLLO\DATA\210702\DOC0702.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Tue Jul 06 08:45:30 2021
Response via : Multiple Level Calibration

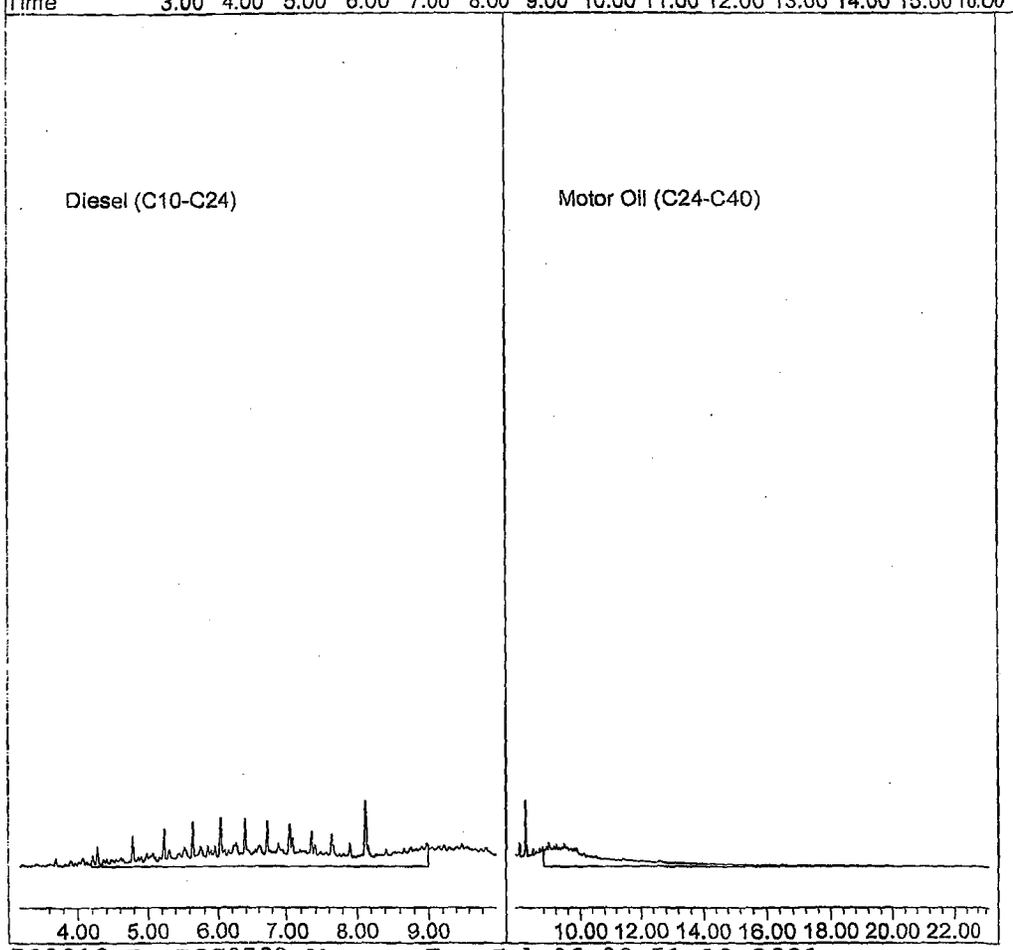
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.63	4247288	0.850 ppb
Surrogate Spike 30.000	Recovery =		2.83%
4) SA Octacosane(S)	9.97	108123	0.032 ppb
Surrogate Spike 30.000	Recovery =		0.11%
Target Compounds			
1) HATM Diesel (C10-C24)	6.59	1098540957	250.473 ppb
2) HBTM Motor Oil (C24-C40)	15.58	848692375	274.247 ppb
Target Compounds			

Quantitation Report

Data File: G:\APOLLO\DATA\210702\702012.D
Sample : DMO STD-SS 07/02/21





TPH Extractables
DEC0712

Form 6
Initial Calibration

Lab Name: APPL, Inc. SDG No:
Case No: Initial Cal. Date: 07/12/21
Matrix: Water Instrument: Apollo
Initials: MB

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

		Compound	1	2	3	4	5	6					Avg	%RSD	Type	r^2	Q
1	SC	Decanoic Acid(S)	1076201	1238207	1265572	1305227	1331032	1285287					1250254	7.3	SC		
2																	
3																	
4																	
5																	
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35																	

0.208067

Quantitation Report (Not Reviewed)

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

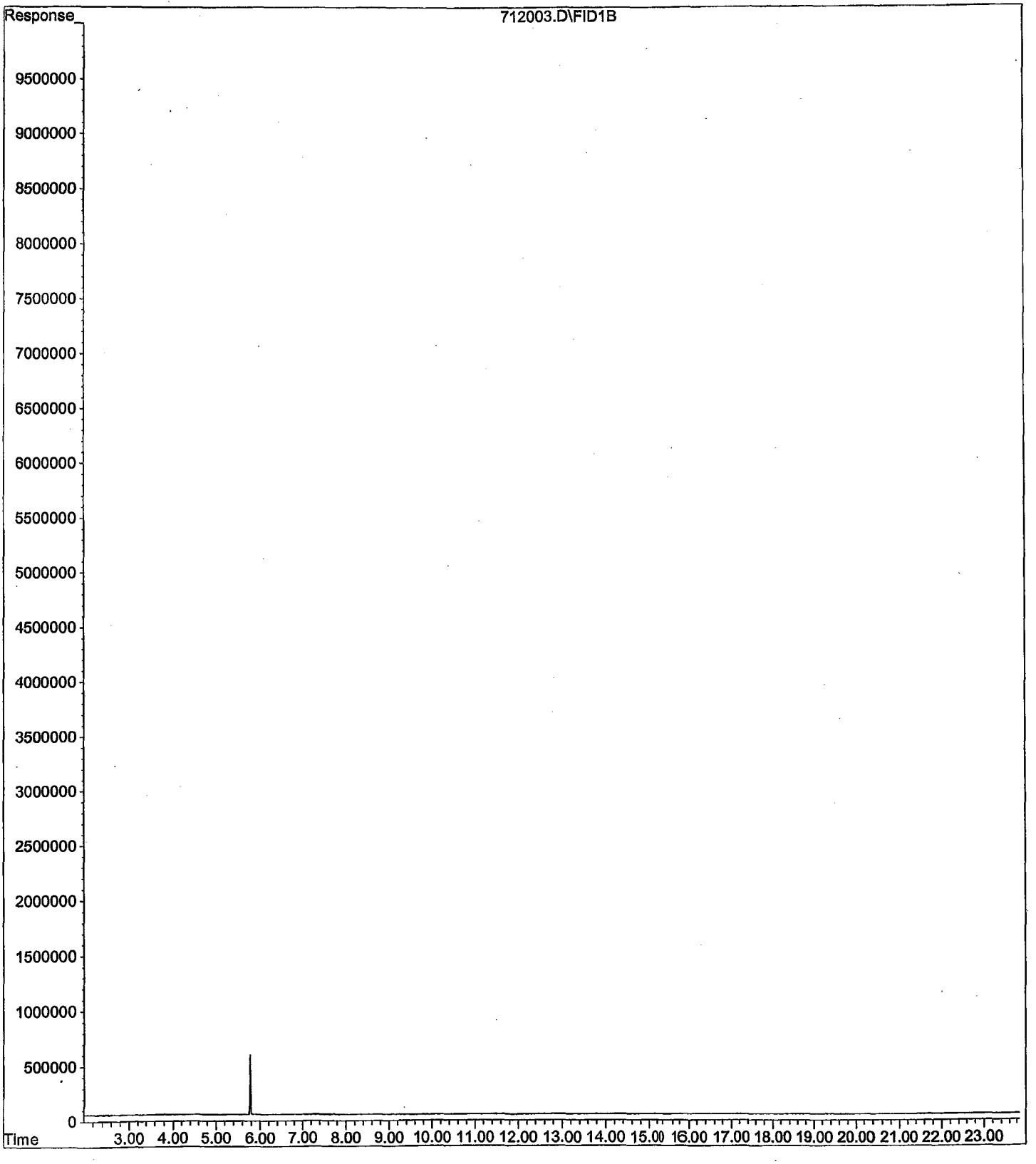
Method : G:\APOLLO\DATA\210505\DEC0712.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Tue Jul 13 08:55:17 2021
Response via : Multiple Level Calibration

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

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

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

File : G:\APOLLO\DATA\210712\712003.D
Operator : MB
Acquired : 7-12-21 10:17:48 using AcqMethod TPHSN.M
Instrument : Apollo
Sample Name: Decanoic Acid 1 07/12/21
Misc Info : water
Vial Number: 3



Quantitation Report (Not Reviewed)

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

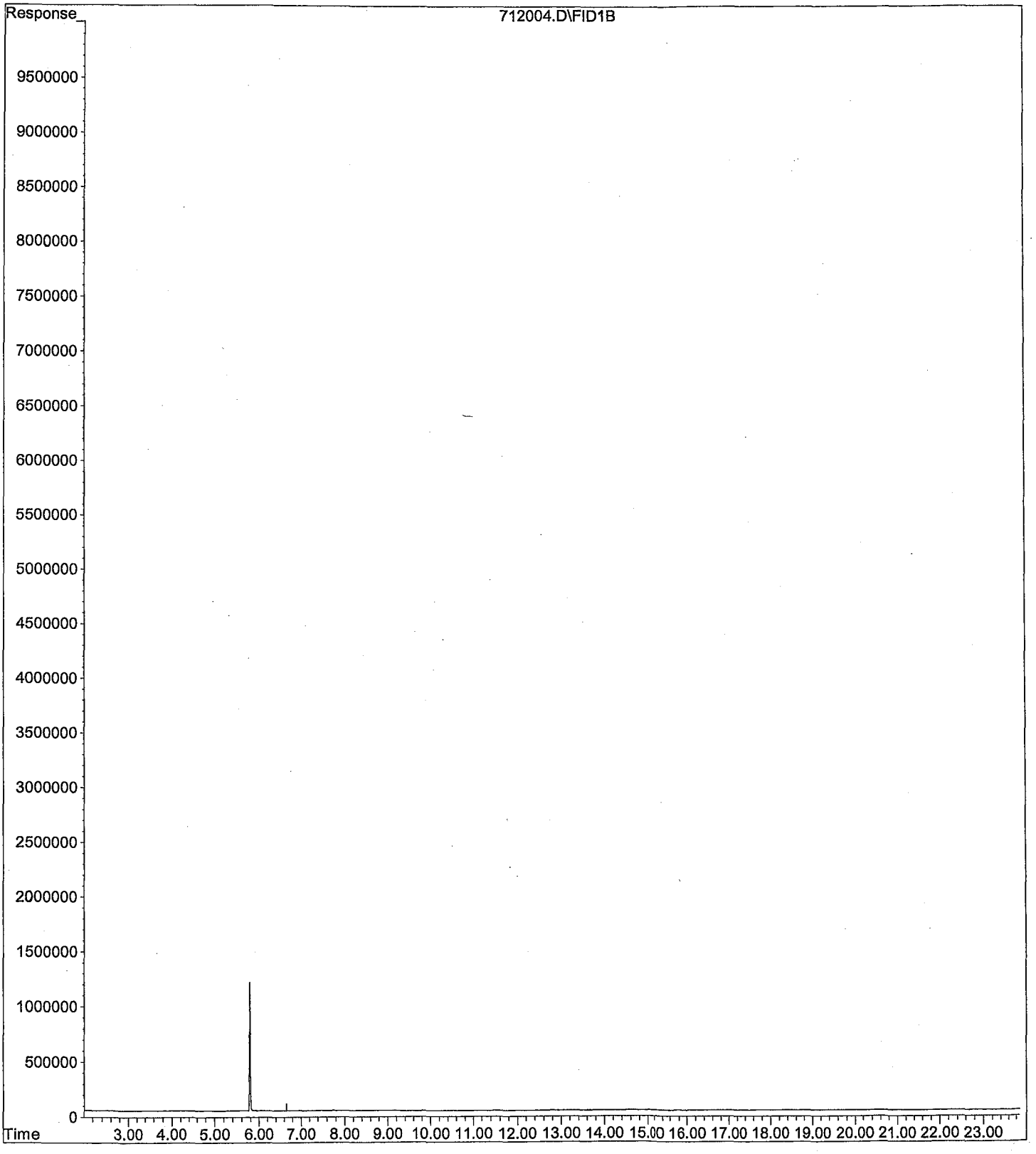
Method : G:\APOLLO\DATA\210505\DEC0712.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Tue Jul 13 08:55:17 2021
Response via : Multiple Level Calibration

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

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

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

File : G:\APOLLO\DATA\210712\712004.D
Operator : MB
Acquired : 7-12-21 10:46:08 using AcqMethod TPHSN.M
Instrument : Apollo
Sample Name: Decanoic Acid 2 07/12/21
Misc Info : water
Vial Number: 4



Quantitation Report (Not Reviewed)

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

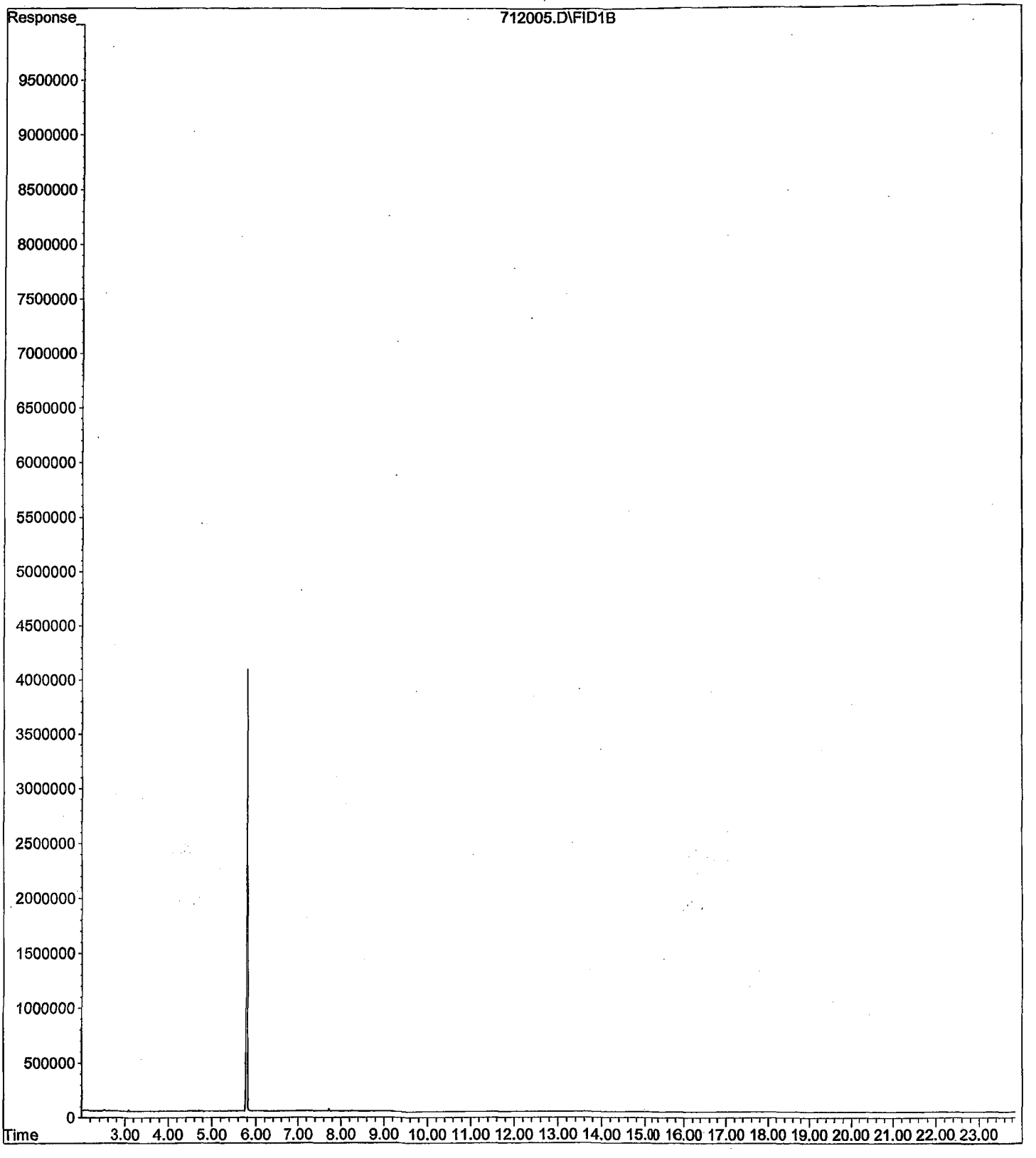
Method : G:\APOLLO\DATA\210505\DEC0712.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Tue Jul 13 08:55:17 2021
Response via : Multiple Level Calibration

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

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

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

File : G:\APOLLO\DATA\210712\712005.D
Operator : MB
Acquired : 7-12-21 11:14:29 using AcqMethod TPHSN.M
Instrument : Apollo
Sample Name: Decanoic Acid 3 07/12/21
Misc Info : water
Vial Number: 5



Quantitation Report (Not Reviewed)

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

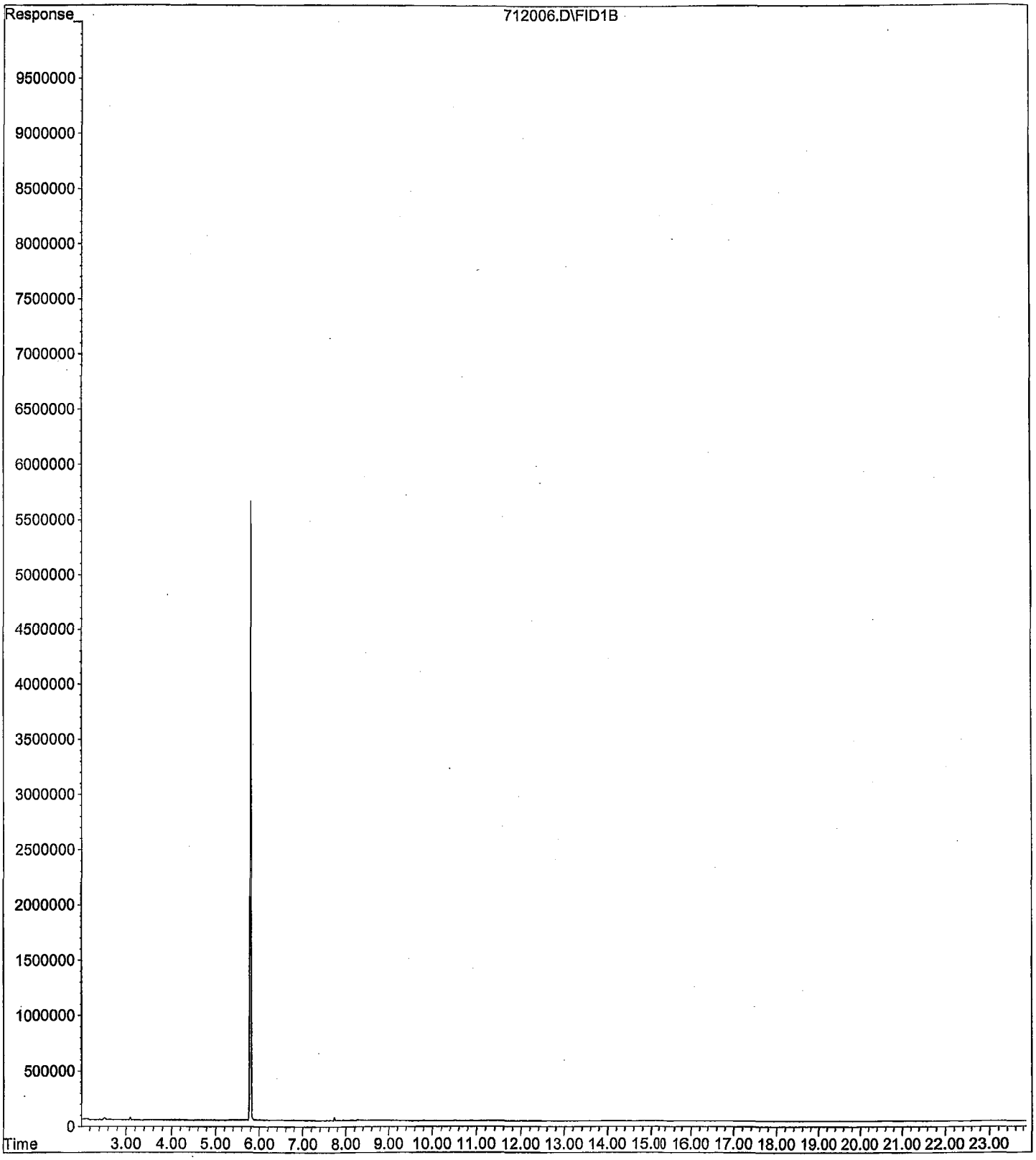
Method : G:\APOLLO\DATA\210505\DEC0712.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Tue Jul 13 08:55:17 2021
Response via : Multiple Level Calibration

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

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

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

File : G:\APOLLO\DATA\210712\712006.D
Operator : MB
Acquired : 7-12-21 11:42:47 using AcqMethod TPHSN.M
Instrument : Apollo
Sample Name: Decanoic Acid 4 07/12/21
Misc Info : water
Vial Number: 6



Quantitation Report (Not Reviewed)

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

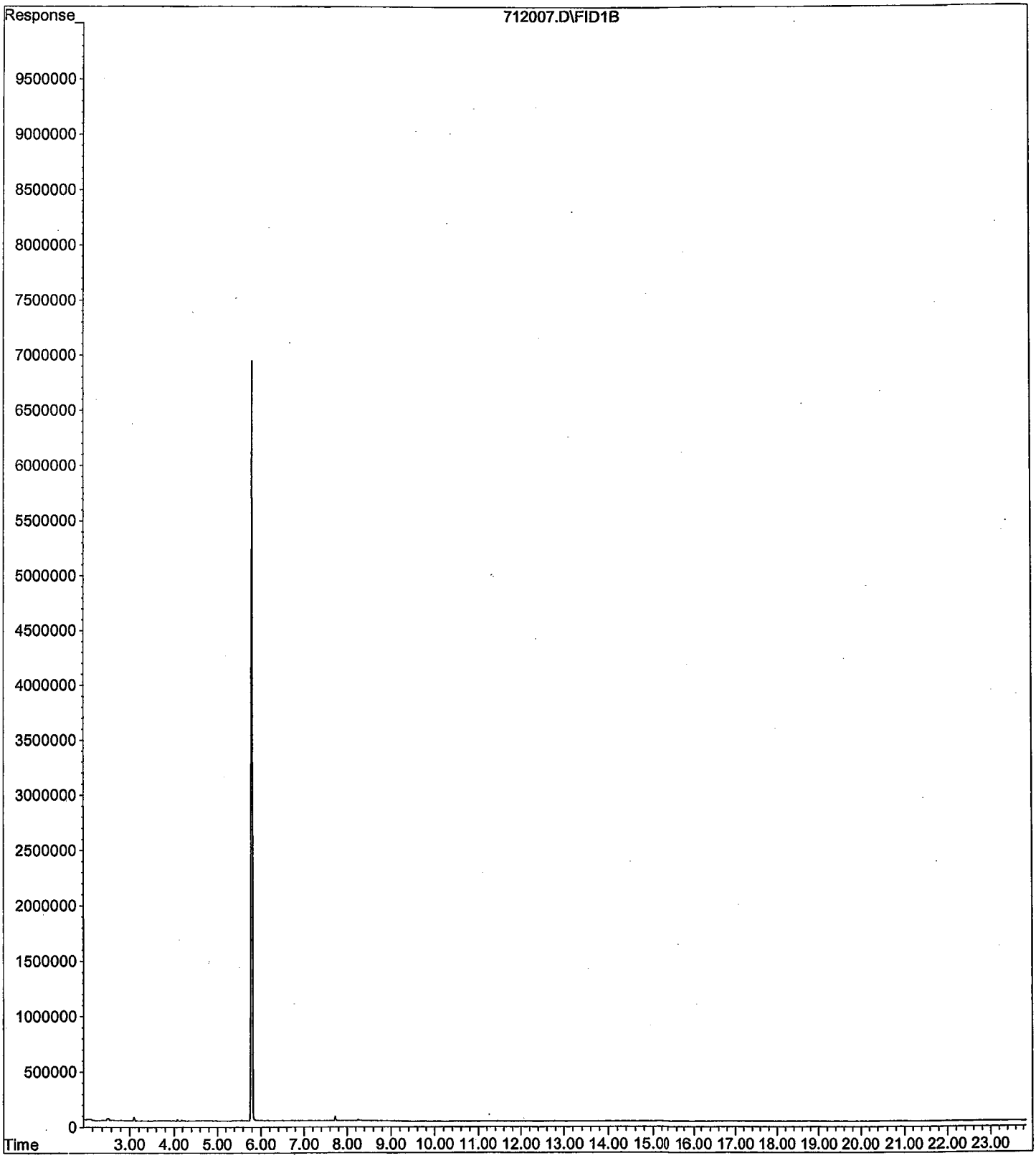
Method : G:\APOLLO\DATA\210505\DEC0712.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Tue Jul 13 08:55:17 2021
Response via : Multiple Level Calibration

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

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

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

File : G:\APOLLO\DATA\210712\712007.D
Operator : MB
Acquired : 7-12-21 12:11:03 using AcqMethod TPHSN.M
Instrument : Apollo
Sample Name: Decanoic Acid 5 07/12/21
Misc Info : water
Vial Number: 7



Quantitation Report (Not Reviewed)

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

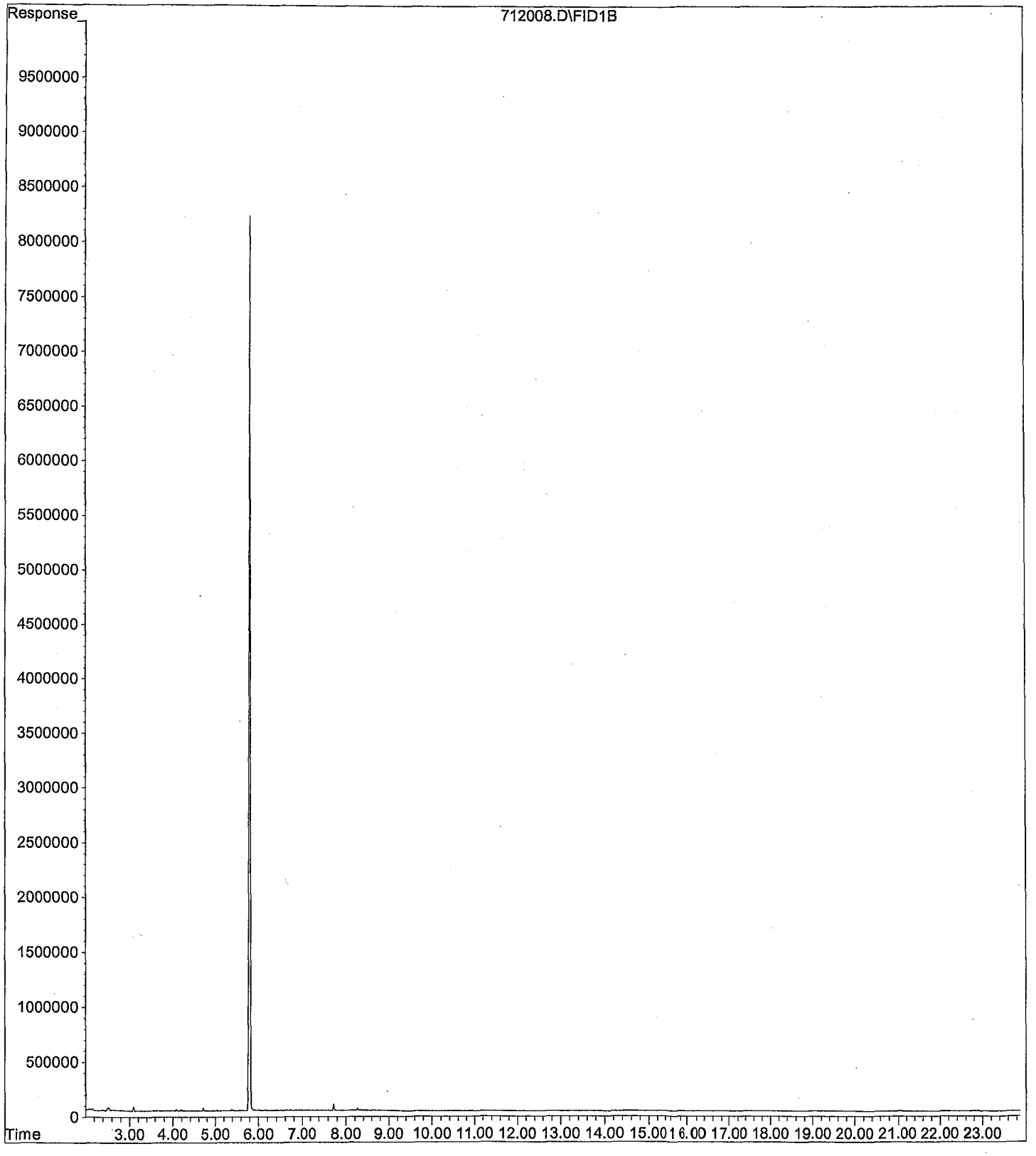
Method : G:\APOLLO\DATA\210505\DEC0712.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Tue Jul 13 08:55:17 2021
Response via : Multiple Level Calibration

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

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

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

File : G:\APOLLO\DATA\210712\712008.D
Operator : MB
Acquired : 7-12-21 12:39:20 using AcqMethod TPHSN.M
Instrument : Apollo
Sample Name: Decanoic Acid 6 07/12/21
Misc Info : water
Vial Number: 8



TPH Extractables
DOC0702

Form 7

Continuing Calibration

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

SDG No:
Date Analyzed: 08/09/21
Instrument: Apollo
Initial Cal. Date: 07/02/21
Data File: 808038.D

		Compound	MEAN	CCRF	%D		%Drift
1	HATM	Diesel (C10-C24)	2192940	2200770	0.36	HATM	
2	HBTM	Motor Oil (C24-C40)	1547310	1711630	11	HBTM	
3	SA	Ortho-Terphenyl(S)	2499420	2653090	6.1	SA	
4	SA	Octacosane(S)	1673130	1743590	4.2	SA	
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39							
40							
		Average			5.4		

Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\210808\808038.D Vial: 38
Acq On : 8-9-21 5:11:47 Operator: KA
Sample : Diesel Motor Oil CCV-8/5/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Aug 9 15:47 2021 Quant Results File: DOC0702.RES

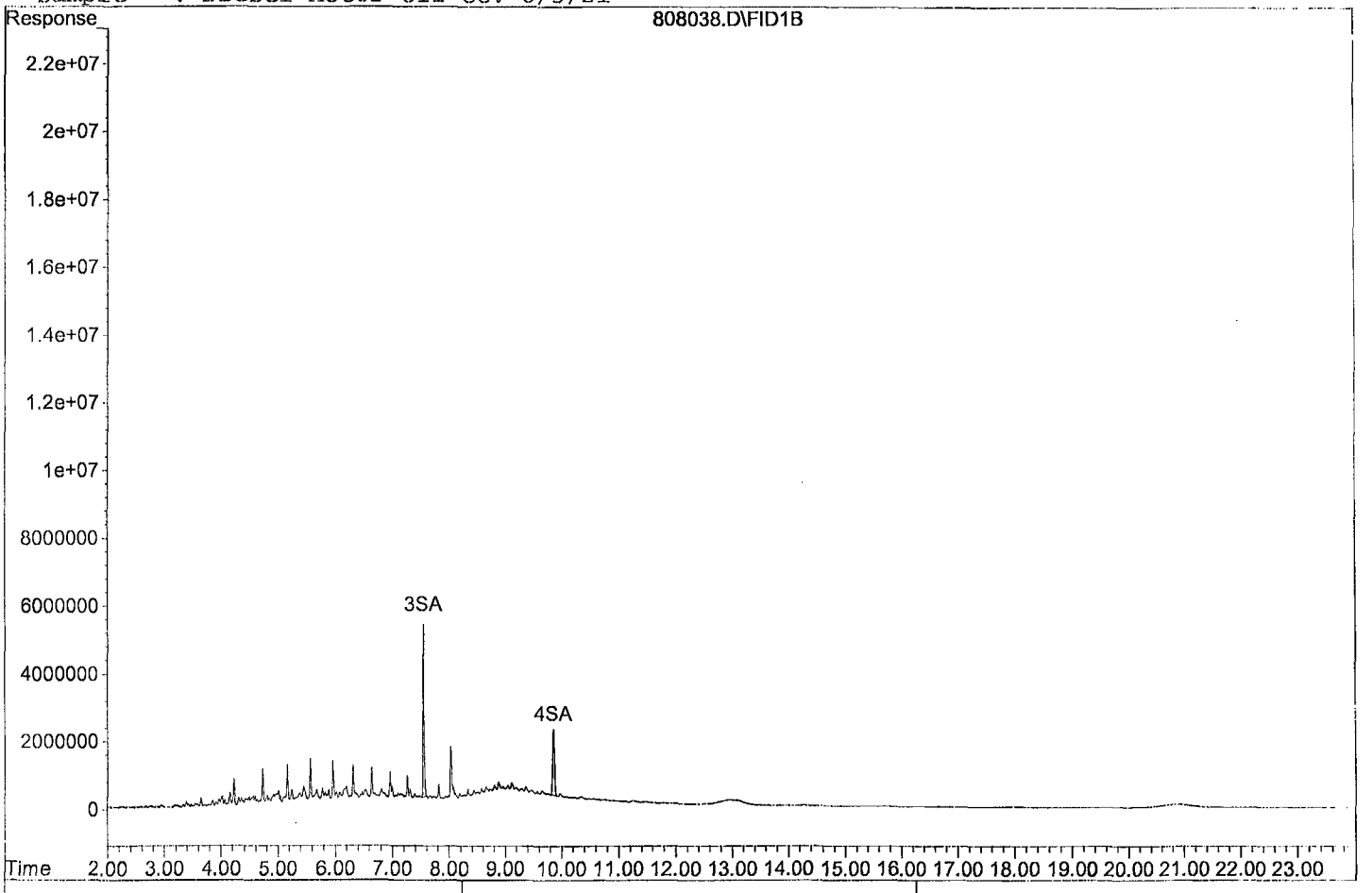
Method : G:\APOLLO\DATA\210808\DOC0702.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Mon Aug 09 15:46:59 2021
Response via : Multiple Level Calibration

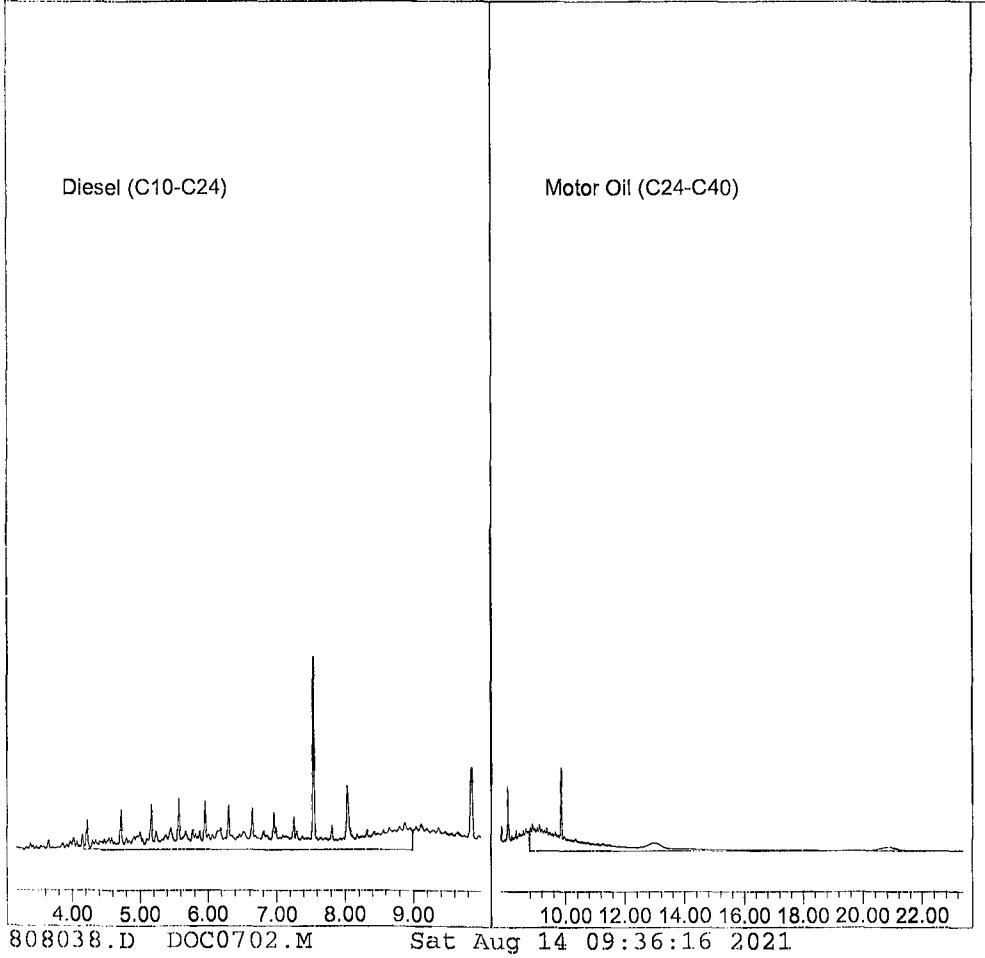
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.55	66327372	13.269 ppb
Surrogate Spike 30.000		Recovery =	44.23%
4) SA Octacosane(S)	9.85	43589873	13.026 ppb
Surrogate Spike 30.000		Recovery =	43.42%
Target Compounds			
1) HATM Diesel (C10-C24)	6.59	1100386085	250.893 ppb
2) HBTM Motor Oil (C24-C40)	15.58	855814845	276.549 ppb
Target Compounds			

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

Data File: G:\APOLLO\DATA\210808\808038.D
Sample : Diesel Motor Oil CCV-8/5/21





TPH Extractables
DEC0712

Form 7

Continuing Calibration

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

SDG No:
Date Analyzed: 08/09/21
Instrument: Apollo
Initial Cal. Date: 07/12/21
Data File: 808039.D

		Compound	MEAN	CCRF	%D	%Drift	
1	SC	Decanoic Acid(S)	1250250	1443910	15	SC	
2							
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40							
		Average			15.0		

Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\210808\808039.D Vial: 39
Acq On : 8-9-21 5:40:14 Operator: KA
Sample : Decanoic Acid CCV-7/12/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Aug 14 9:29 2021 Quant Results File: DEC0712.RES

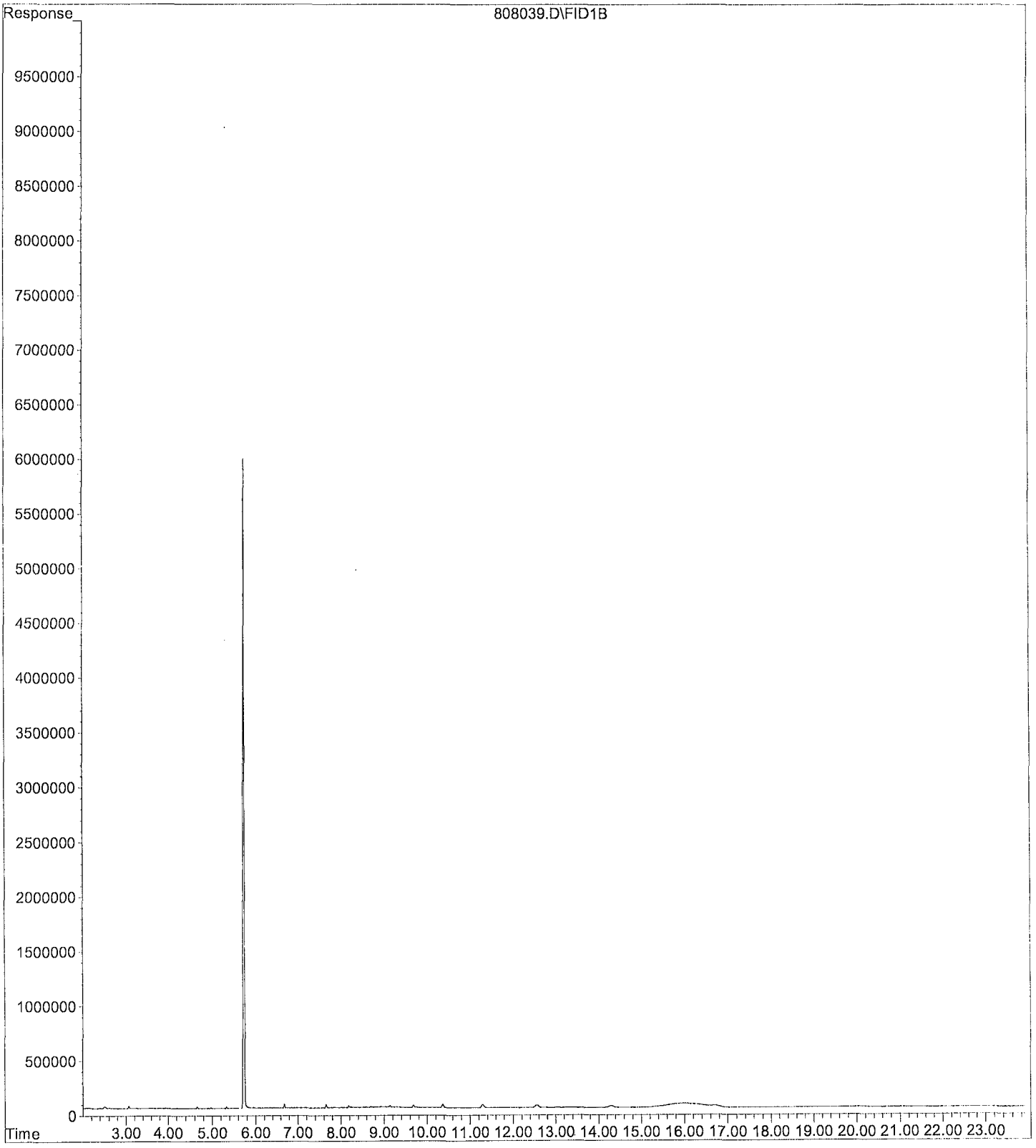
Method : G:\APOLLO\DATA\210808\DEC0712.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Mon Aug 09 09:01:40 2021
Response via : Multiple Level Calibration

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

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) SC Decanoic Acid(S)	5.74	103961380	41.576 ppb
Surrogate Spike 24.000		Recovery =	173.23%
Target Compounds			
Target Compounds			

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

File : G:\APOLLO\DATA\210808\808039.D
Operator : KA
Acquired : 8-9-21 5:40:14 using AcqMethod TPHSN.M
Instrument : Apollo
Sample Name: Decanoic Acid CCV-7/12/21
Misc Info : water
Vial Number: 39



TPH Extractables
DOC0702

Form 7

Continuing Calibration

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

SDG No:
Date Analyzed: 08/09/21
Instrument: Apollo
Initial Cal. Date: 07/02/21
Data File: 808049.D

		Compound	MEAN	CCRF	%D		%Drift
1	HATM	*Diesel (C10-C24)*	*2192940*	*2117480*	*3.4*	HATM	
2	HBTM	Motor Oil (C24-C40)	1547310	1505000	2.7	HBTM	
3	SA	Ortho-Terphenyl(S)	2499420	2632810	5.3	SA	
4	SA	Octacosane(S)	1673130	1706920	2.0	SA	
5							
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39							
40							
		Average			3.4		

Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\210808\808049.D Vial: 49
Acq On : 8-9-21 10:24:45 Operator: KA
Sample : Diesel Motor Oil CCV-8/5/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Aug 14 9:25 2021 Quant Results File: DOC0702.RES

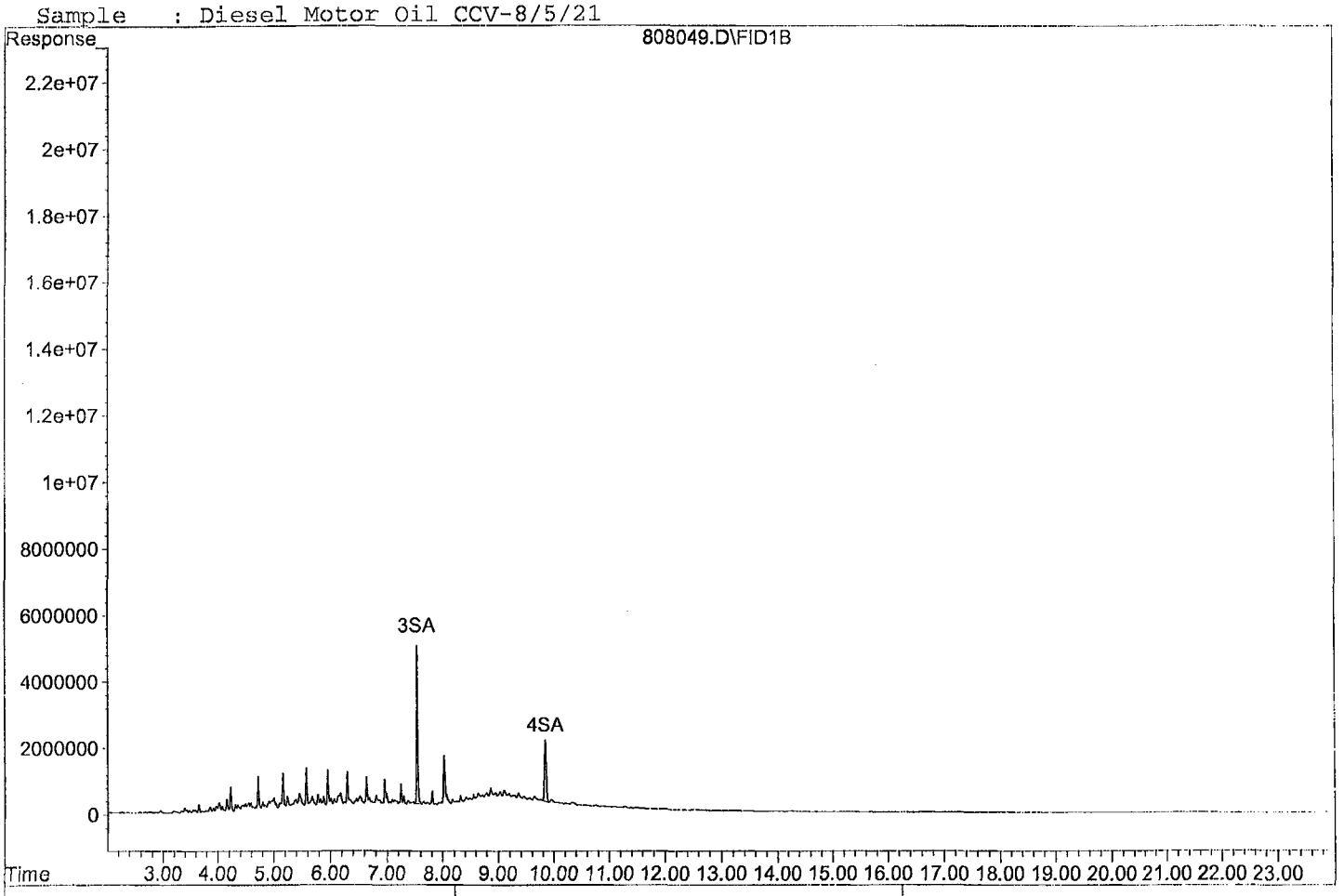
Method : G:\APOLLO\DATA\210808\DOC0702.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Mon Aug 09 15:46:59 2021
Response via : Multiple Level Calibration

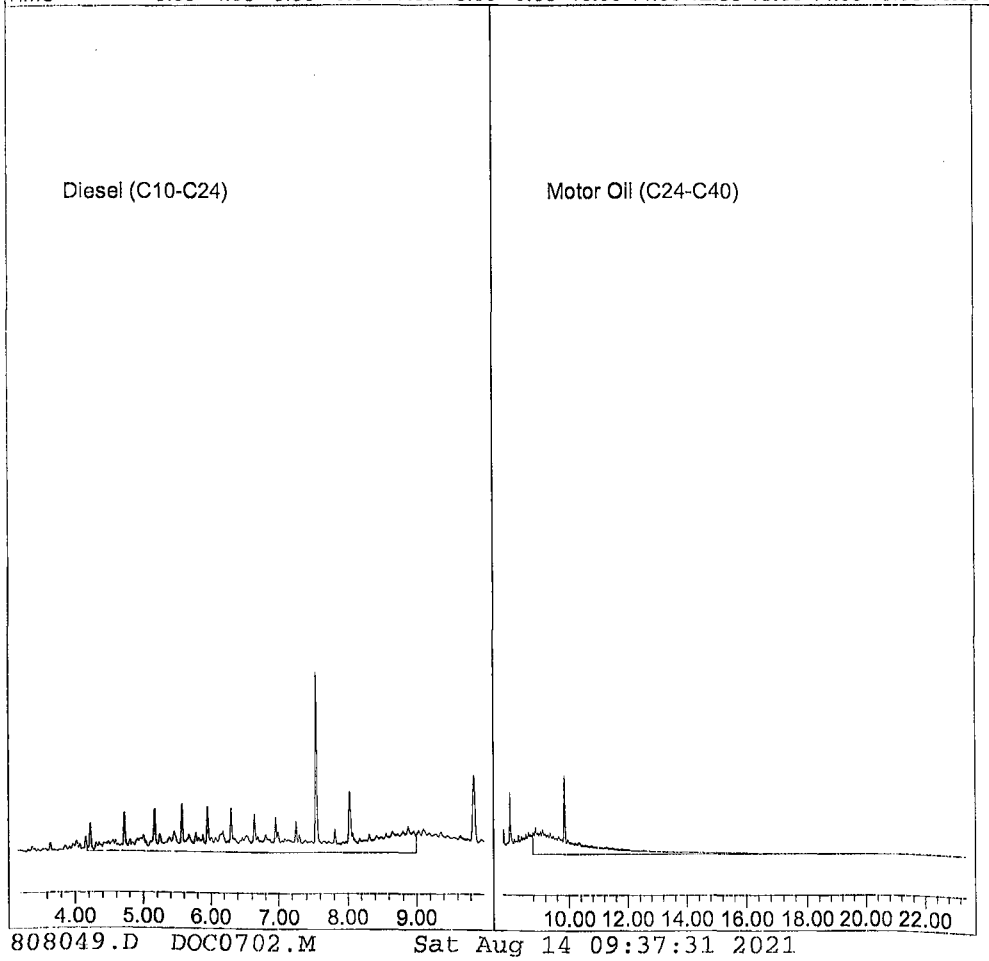
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.55	65820365	13.167 ppb
Surrogate Spike 30.000	Recovery =		43.89%
4) SA Octacosane(S)	9.85	42673002	12.752 ppb
Surrogate Spike 30.000	Recovery =		42.51%
Target Compounds			
1) HATM Diesel (C10-C24)	6.59	1058738282	241.397 ppb
2) HBTM Motor Oil (C24-C40)	15.58	752499841	243.164 ppb
Target Compounds			

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

Data File: G:\APOLLO\DATA\210808\808049.D
Sample : Diesel Motor Oil CCV-8/5/21





808049.D DOC0702.M Sat Aug 14 09:37:31 2021

TPH Extractables
DEC0712

Form 7

Continuing Calibration

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

SDG No:
Date Analyzed: 08/09/21
Instrument: Apollo
Initial Cal. Date: 07/12/21
Data File: 808050.D

		Compound	MEAN	CCRF	%D		%Drift
1	SC	Decanoic Acid(S)	1250250	1425960	14	SC	
2							
3							
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39							
40							
		Average			14.0		

Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\210808\808050.D Vial: 50
Acq On : 8-9-21 10:53:11 Operator: KA
Sample : Decanoic Acid CCV-7/12/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Aug 14 9:29 2021 Quant Results File: DEC0712.RES

Method : G:\APOLLO\DATA\210808\DEC0712.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Mon Aug 09 09:01:40 2021
Response via : Multiple Level Calibration

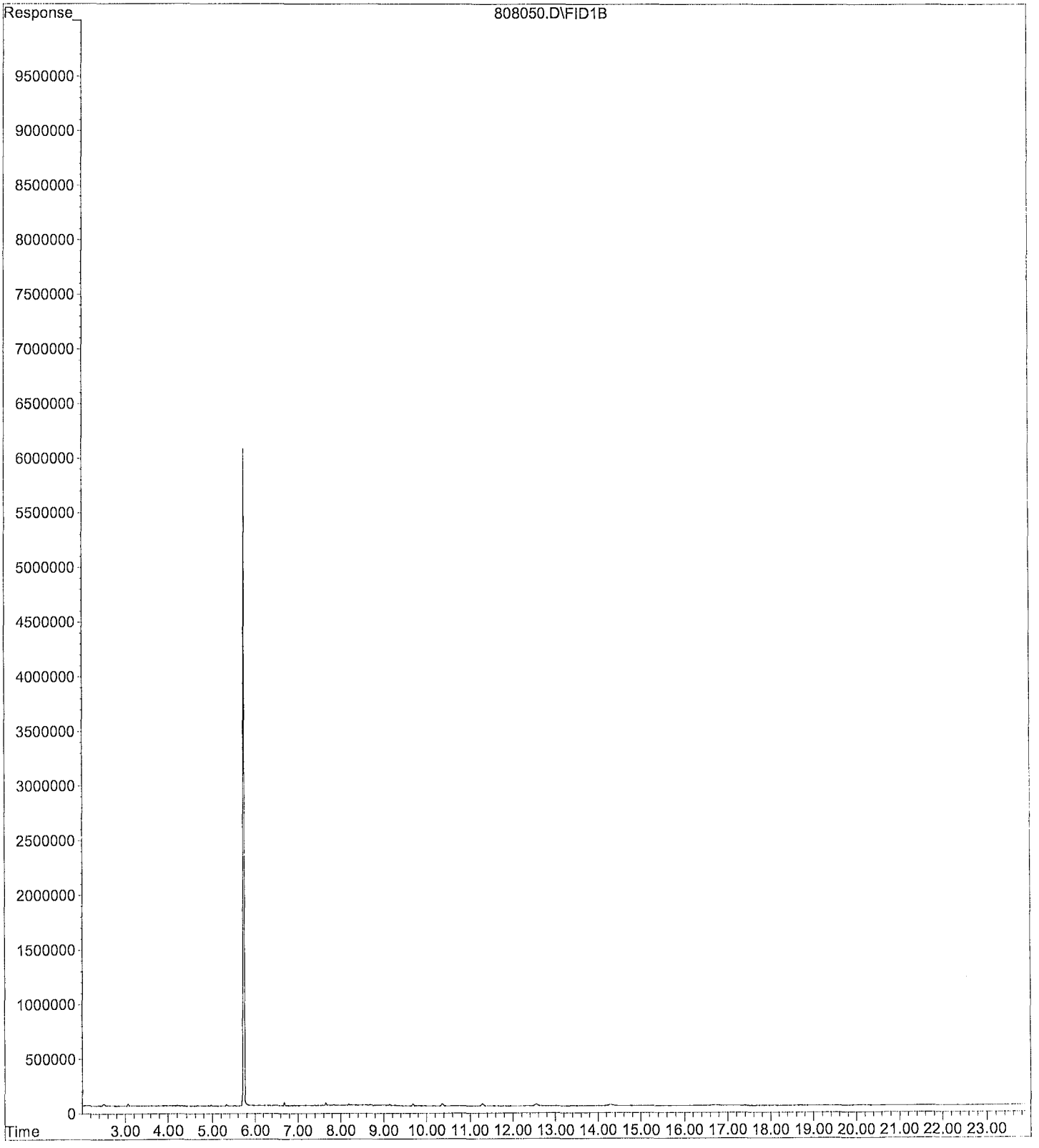
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) SC Decanoic Acid(S)	5.74	102669275	41.059 ppb
Surrogate Spike 24.000		Recovery =	171.08%
Target Compounds			

Target Compounds

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

File : G:\APOLLO\DATA\210808\808050.D
Operator : KA
Acquired : 8-9-21 10:53:11 using AcqMethod TPHSN.M
Instrument : Apollo
Sample Name: Decanoic Acid CCV-7/12/21
Misc Info : water
Vial Number: 50



ORGANICS

Raw Data

Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\2021\210808\808044.D Vial: 44
Acq On : 8-9-21 8:02:37 Operator: KA
Sample : BA35745W08 5/1020 SG Inst : Apollo
Misc : water Multiplr: 4.90
IntFile : events.e
Quant Time: Mar 31 10:01 2022 Quant Results File: DEC0712.RES

Method : G:\APOLLO\DATA\2021\210808\DEC0712.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Mon Sep 13 09:23:22 2021
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)	0.00	0	N.D. ppb
Surrogate Spike 117.647		Recovery =	0.00%
Target Compounds			
Target Compounds			

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

Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\2021\210808\808044.D Vial: 44
Acq On : 8-9-21 8:02:37 Operator: KA
Sample : BA35745W08 5/1020 SG Inst : Apollo
Misc : water Multiplr: 4.90
IntFile : events.e
Quant Time: Sep 30 16:11 2021 Quant Results File: DOC0702.RES

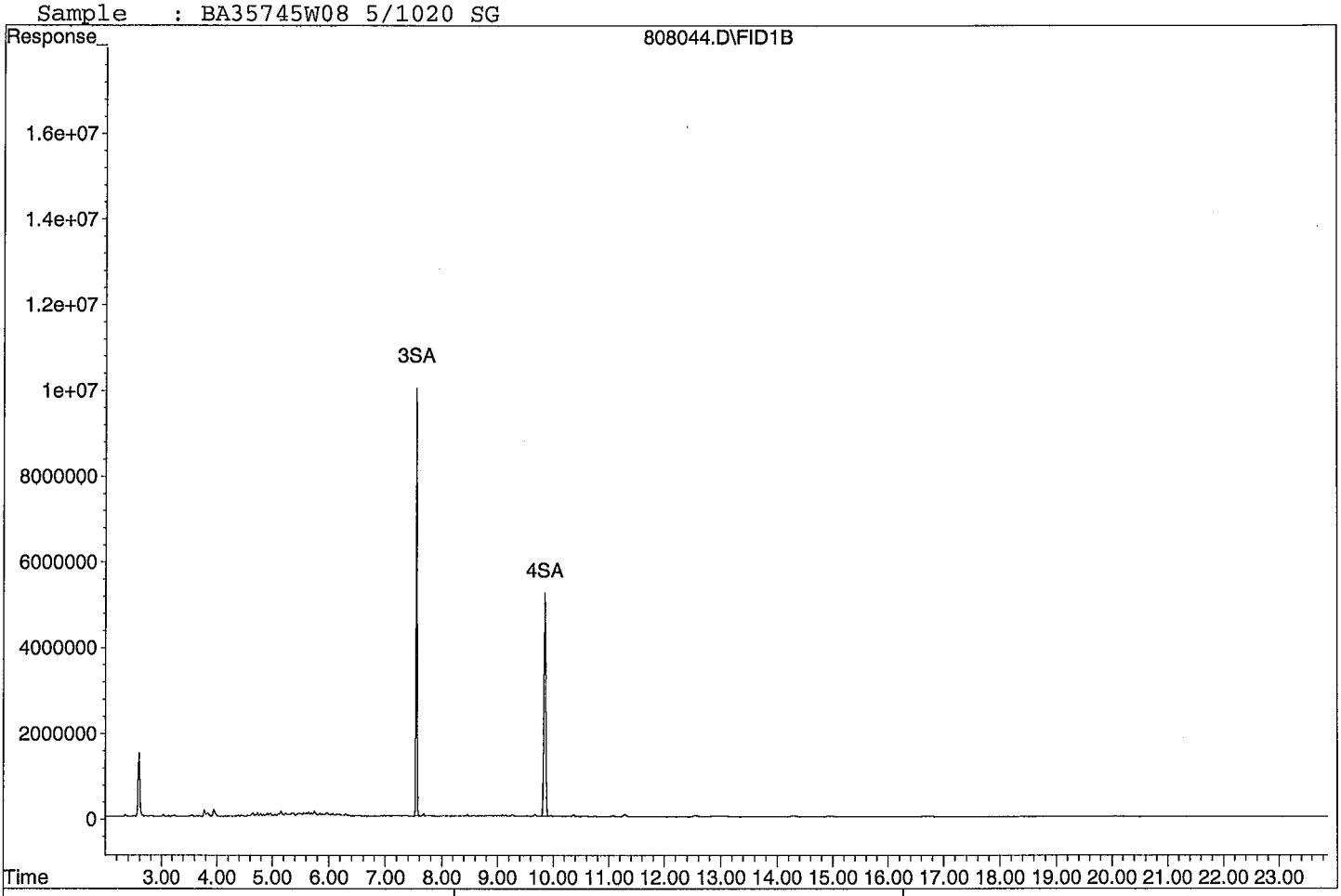
Method : G:\APOLLO\DATA\2021\210702\DOC0702.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Wed Mar 30 09:32:19 2022
Response via : Multiple Level Calibration

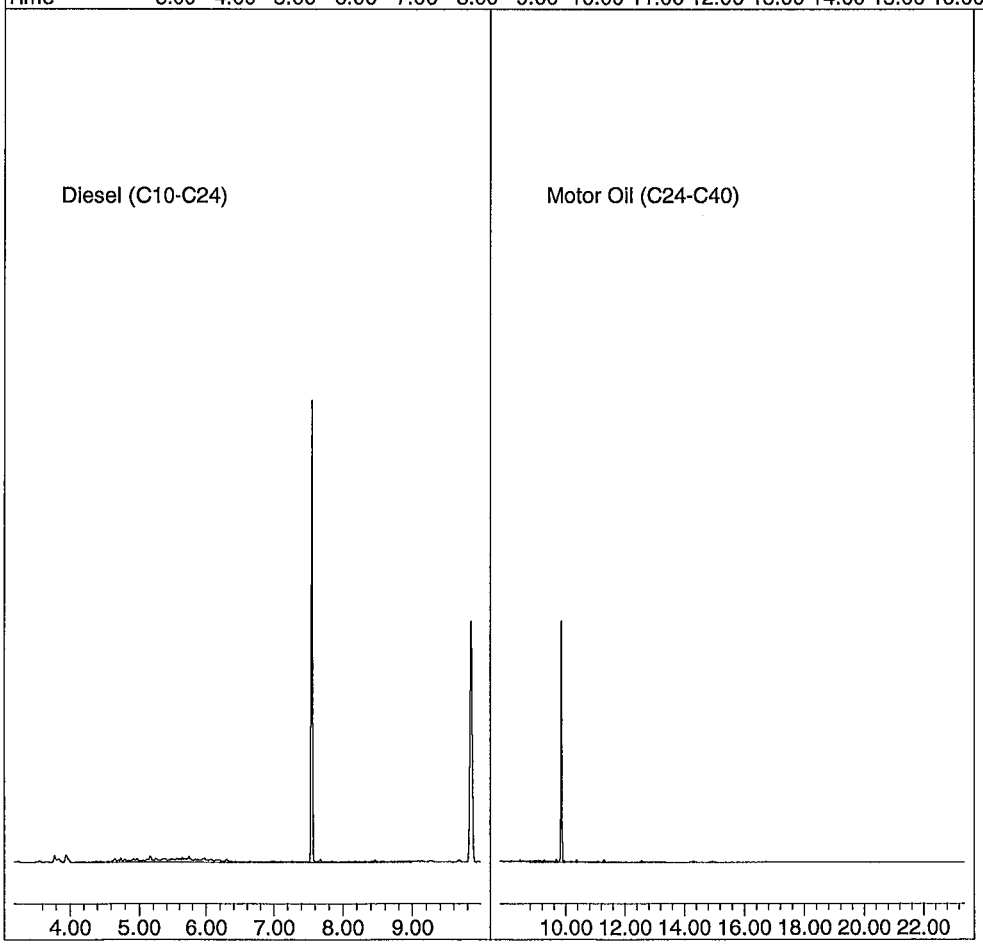
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.55	123981303	121.578 ppb
Surrogate Spike 147.059		Recovery =	82.67%
4) SA Octacosane(S)	9.85	116026376	169.967 ppb
Surrogate Spike 147.059		Recovery =	115.58%
Target Compounds			
1) HATM Diesel (C10-C24)	6.59	89791928	100.358 ppb
2) HBTM Motor Oil (C24-C40)	15.58	63416396	100.453 ppb

Target Compounds

Data File: G:\APOLLO\DATA\2021\210808\808044.D
Sample : BA35745W08 5/1020 SG





Quantitation Report (QT Reviewed)

Data File : G:\APOLLO\DATA\2021\210808\808043.D Vial: 43
Acq On : 8-9-21 7:34:03 Operator: KA
Sample : BA35748W08 5/1040 SG Inst : Apollo
Misc : water Multiplr: 4.81
IntFile : events.e
Quant Time: Mar 31 10:01 2022 Quant Results File: DEC0712.RES

Method : G:\APOLLO\DATA\2021\210808\DEC0712.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Mon Sep 13 09:23:22 2021
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)	0.00	0	N.D.	ppb	d
Surrogate Spike 115.385	Recovery =		0.00%		
Target Compounds					
Target Compounds					

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

Quantitation Report (Not Reviewed)

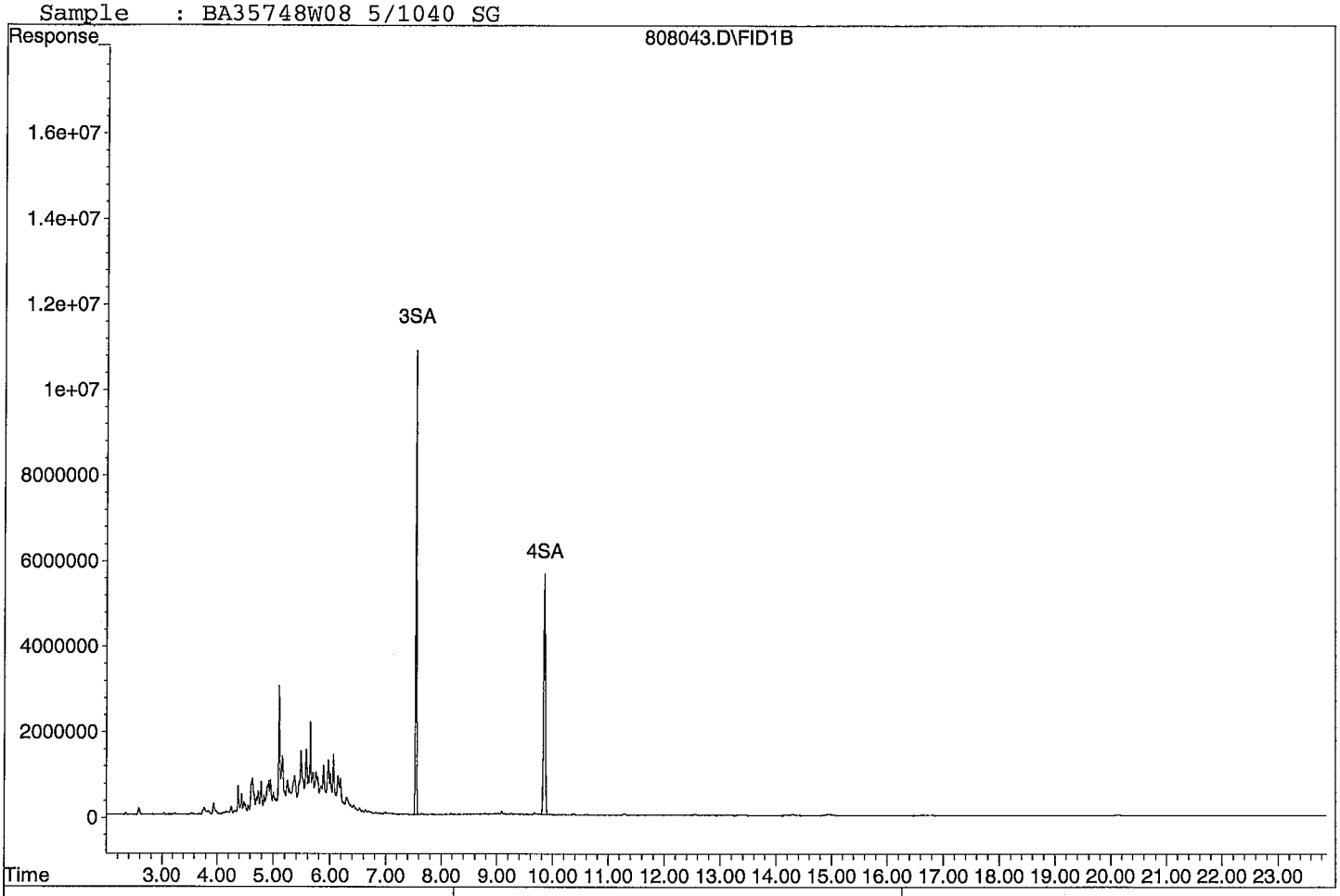
Data File : G:\APOLLO\DATA\2021\210808\808043.D Vial: 43
Acq On : 8-9-21 7:34:03 Operator: KA
Sample : BA35748W08 5/1040 SG Inst : Apollo
Misc : water Multiplr: 4.81
IntFile : events.e
Quant Time: Sep 30 16:11 2021 Quant Results File: DOC0702.RES

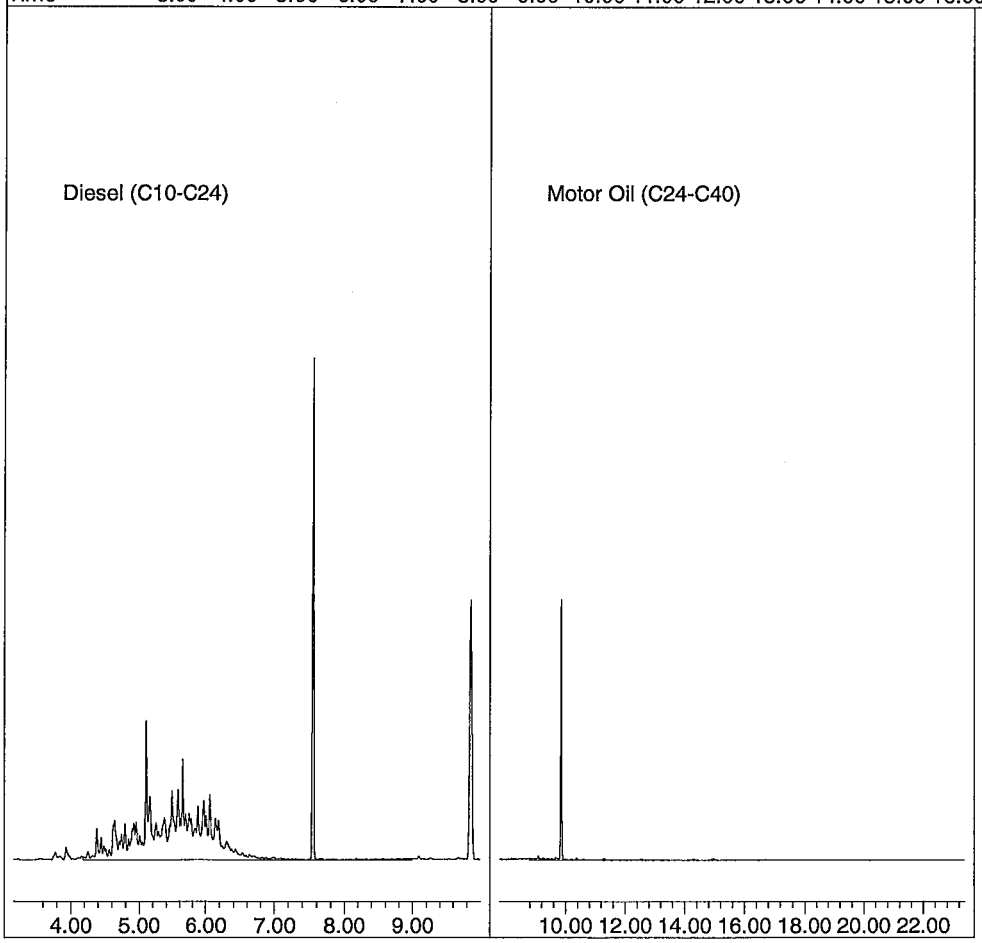
Method : G:\APOLLO\DATA\2021\210702\DOC0702.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Wed Mar 30 09:32:19 2022
Response via : Multiple Level Calibration

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

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.55	132612250	127.541 ppb
Surrogate Spike 144.231		Recovery =	88.43%
4) SA Octacosane(S)	9.85	124068632	178.253 ppb
Surrogate Spike 144.231		Recovery =	123.59%
Target Compounds			
1) HATM Diesel (C10-C24)	6.59	824058204	903.313 ppb
2) HBTM Motor Oil (C24-C40)	15.58	67188462	104.381 ppb
Target Compounds			

Data File: G:\APOLLO\DATA\2021\210808\808043.D
Sample : BA35748W08 5/1040 SG





Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\210808\808045.D Vial: 45
Acq On : 8-9-21 8:31:08 Operator: KA
Sample : BA35750W08 5/1040 SG Inst : Apollo
Misc : water Multiplr: 4.81
IntFile : events.e
Quant Time: Aug 14 9:29 2021 Quant Results File: DEC0712.RES

Method : G:\APOLLO\DATA\210808\DEC0712.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Mon Aug 09 09:01:40 2021
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)	0.00	0	N.D. ppb
Surrogate Spike 115.385		Recovery =	0.00%

Target Compounds

Target Compounds

Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\210808\808045.D Vial: 45
Acq On : 8-9-21 8:31:08 Operator: KA
Sample : BA35750W08 5/1040 SG Inst : Apollo
Misc : water Multiplr: 4.81
IntFile : events.e
Quant Time: Aug 14 9:24 2021 Quant Results File: DOC0702.RES

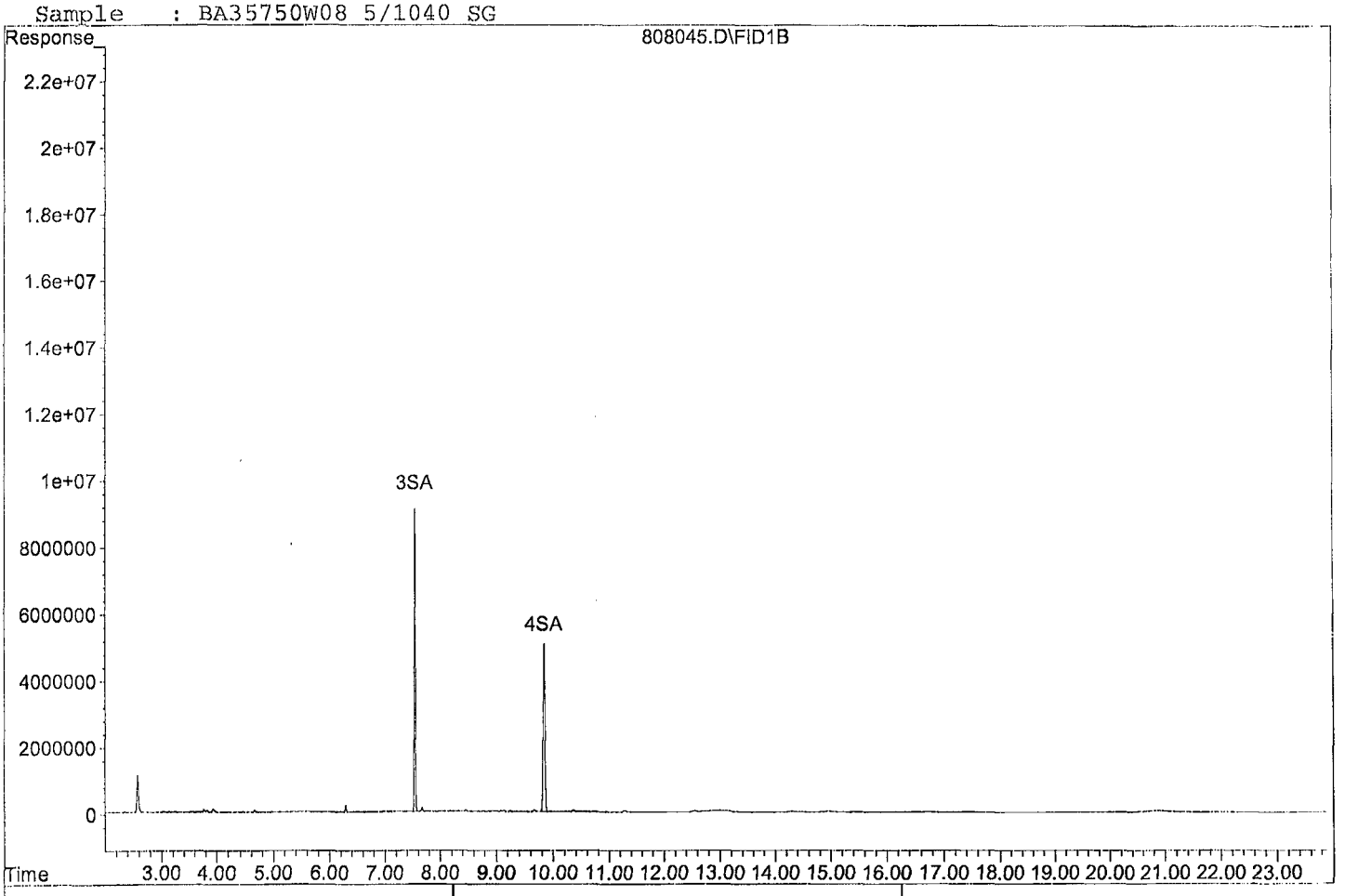
Method : G:\APOLLO\DATA\210808\DOC0702.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Mon Aug 09 15:46:59 2021
Response via : Multiple Level Calibration

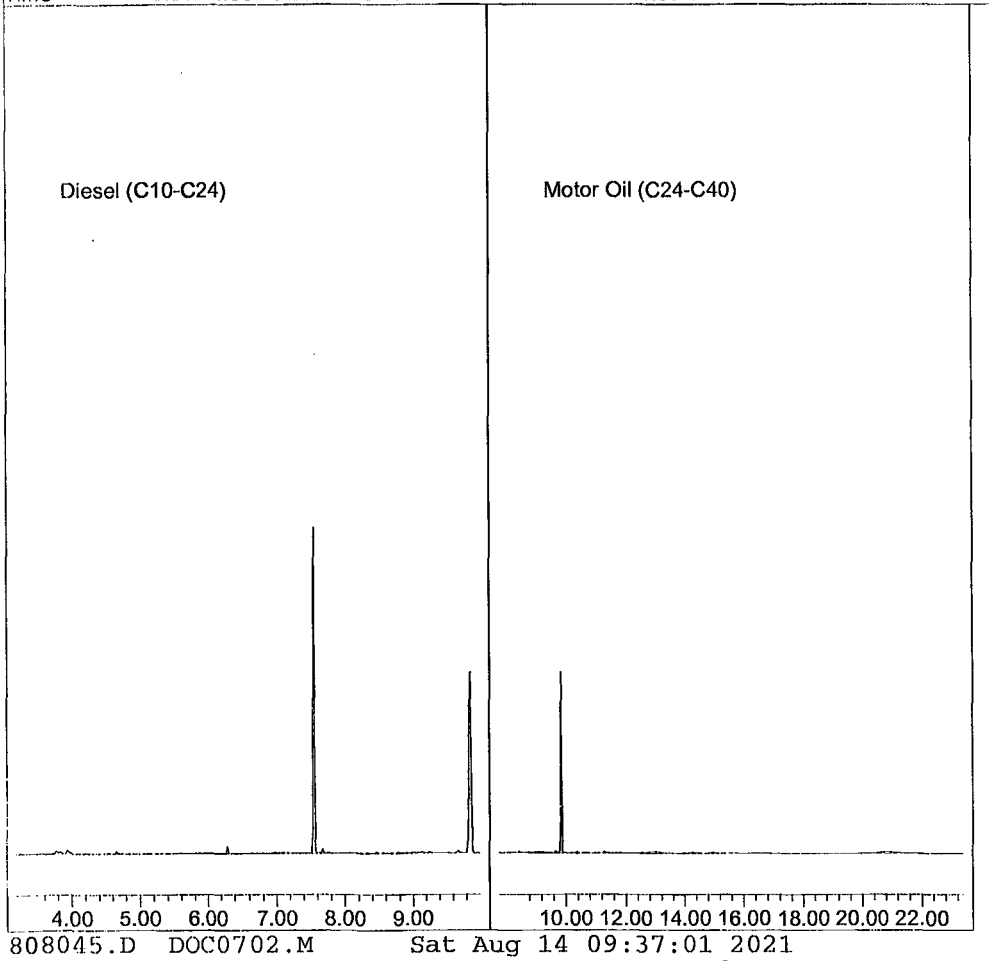
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.55	118598143	114.063 ppb
Surrogate Spike 144.231		Recovery =	79.08%
4) SA Octacosane(S)	9.85	112072403	161.018 ppb
Surrogate Spike 144.231		Recovery =	111.64%
Target Compounds			
1) HATM Diesel (C10-C24)	6.59	35548233	38.967 ppb
2) HBTM Motor Oil (C24-C40)	15.58	89713844	139.376 ppb
Target Compounds			

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

Data File: G:\APOLLO\DATA\210808\808045.D
Sample : BA35750W08 5/1040 SG





Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\210808\808046.D Vial: 46
Acq On : 8-9-21 8:59:31 Operator: KA
Sample : BA35753W08 5/1000 SG Inst : Apollo
Misc : water Multiplr: 5.00
IntFile : events.e
Quant Time: Aug 14 9:29 2021 Quant Results File: DEC0712.RES

Method : G:\APOLLO\DATA\210808\DEC0712.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Mon Aug 09 09:01:40 2021
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)	0.00	0	N.D. ppb
Surrogate Spike 120.000		Recovery =	0.00%
Target Compounds			
Target Compounds			

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

Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\210808\808046.D Vial: 46
Acq On : 8-9-21 8:59:31 Operator: KA
Sample : BA35753W08 5/1000 SG Inst : Apollo
Misc : water Multiplr: 5.00
IntFile : events.e
Quant Time: Aug 14 9:24 2021 Quant Results File: DOC0702.RES

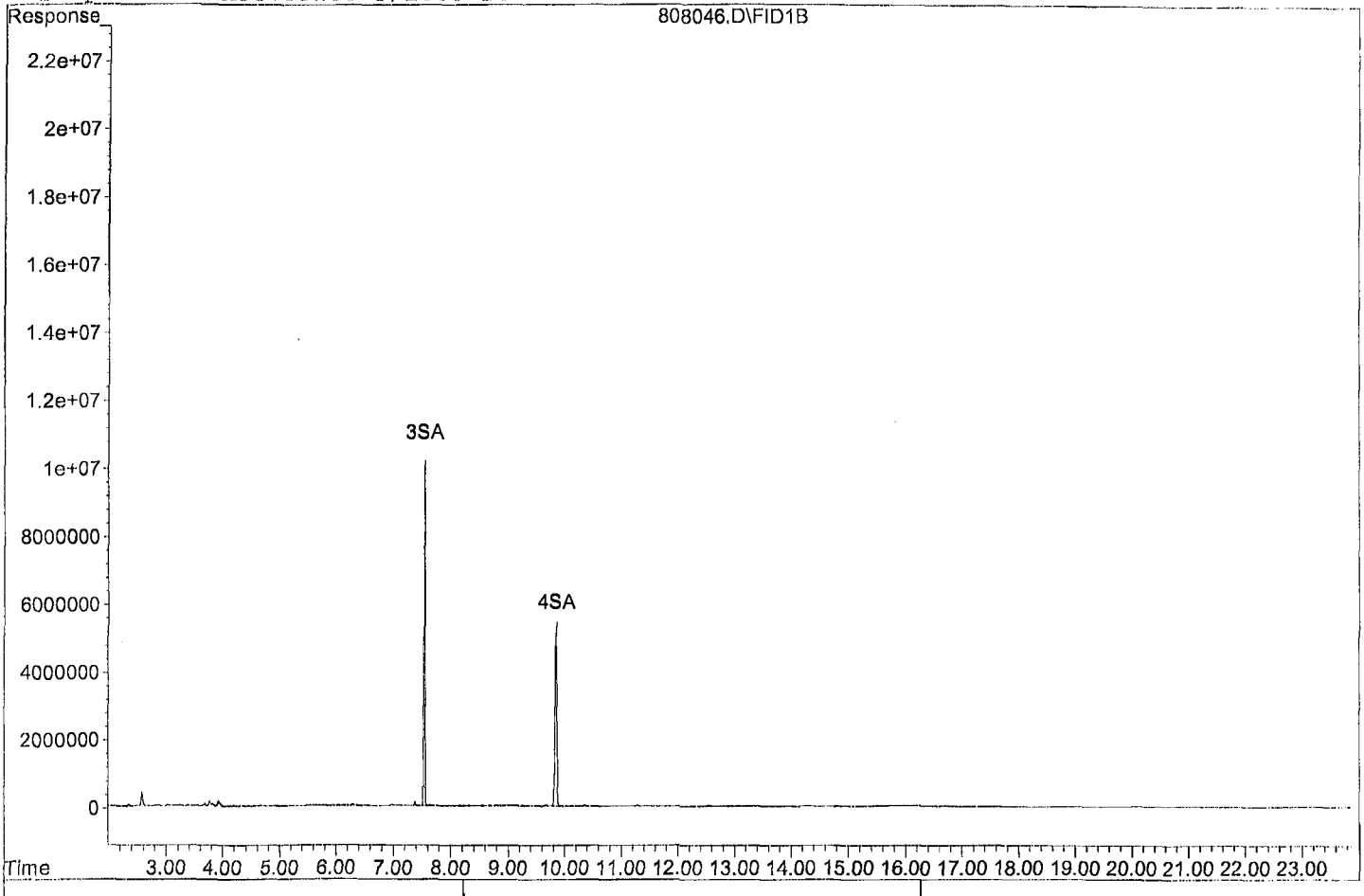
Method : G:\APOLLO\DATA\210808\DOC0702.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Mon Aug 09 15:46:59 2021
Response via : Multiple Level Calibration

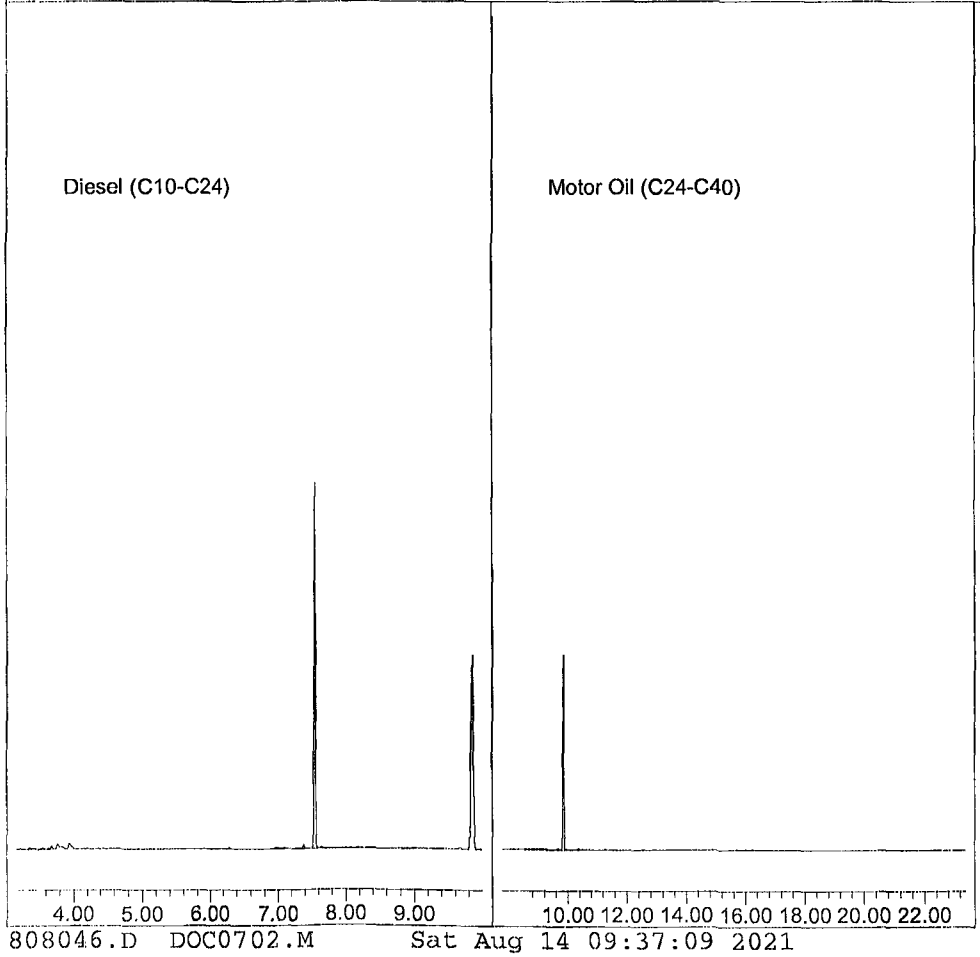
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.55	132407511	132.438 ppb
Surrogate Spike 150.000		Recovery =	88.29%
4) SA Octacosane(S)	9.85	124461229	185.970 ppb
Surrogate Spike 150.000		Recovery =	123.98%
Target Compounds			
1) HATM Diesel (C10-C24)	6.59	21619661	24.647 ppb
2) HBTM Motor Oil (C24-C40)	15.58	56022710	90.516 ppb
Target Compounds			

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

Data File: G:\APOLLO\DATA\210808\808046.D
Sample : BA35753W08 5/1000 SG





Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\210808\808040.D Vial: 40
Acq On : 8-9-21 6:08:41 Operator: KA
Sample : 210714A BLK 5/1000 SG Inst : Apollo
Misc : water Multiplr: 5.00
IntFile : events.e
Quant Time: Aug 14 9:29 2021 Quant Results File: DEC0712.RES

Method : G:\APOLLO\DATA\210808\DEC0712.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Mon Aug 09 09:01:40 2021
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)	0.00	0	N.D. ppb
Surrogate Spike 120.000		Recovery =	0.00%
Target Compounds			
Target Compounds			

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

Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\210808\808040.D Vial: 40
Acq On : 8-9-21 6:08:41 Operator: KA
Sample : 210714A BLK 5/1000 SG Inst : Apollo
Misc : water Multiplr: 5.00
IntFile : events.e
Quant Time: Aug 14 9:24 2021 Quant Results File: DOC0702.RES

Method : G:\APOLLO\DATA\210808\DOC0702.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Mon Aug 09 15:46:59 2021
Response via : Multiple Level Calibration

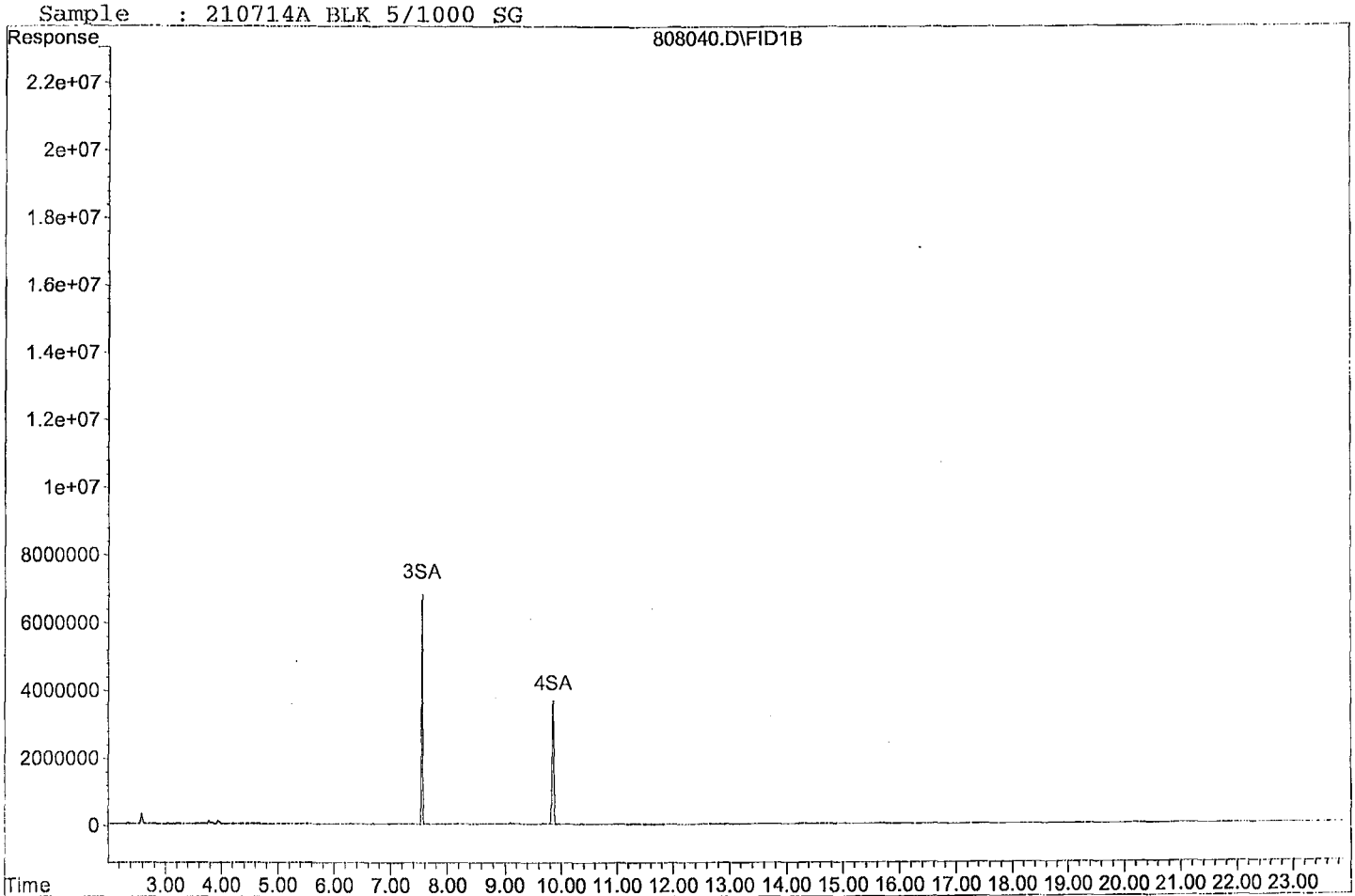
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

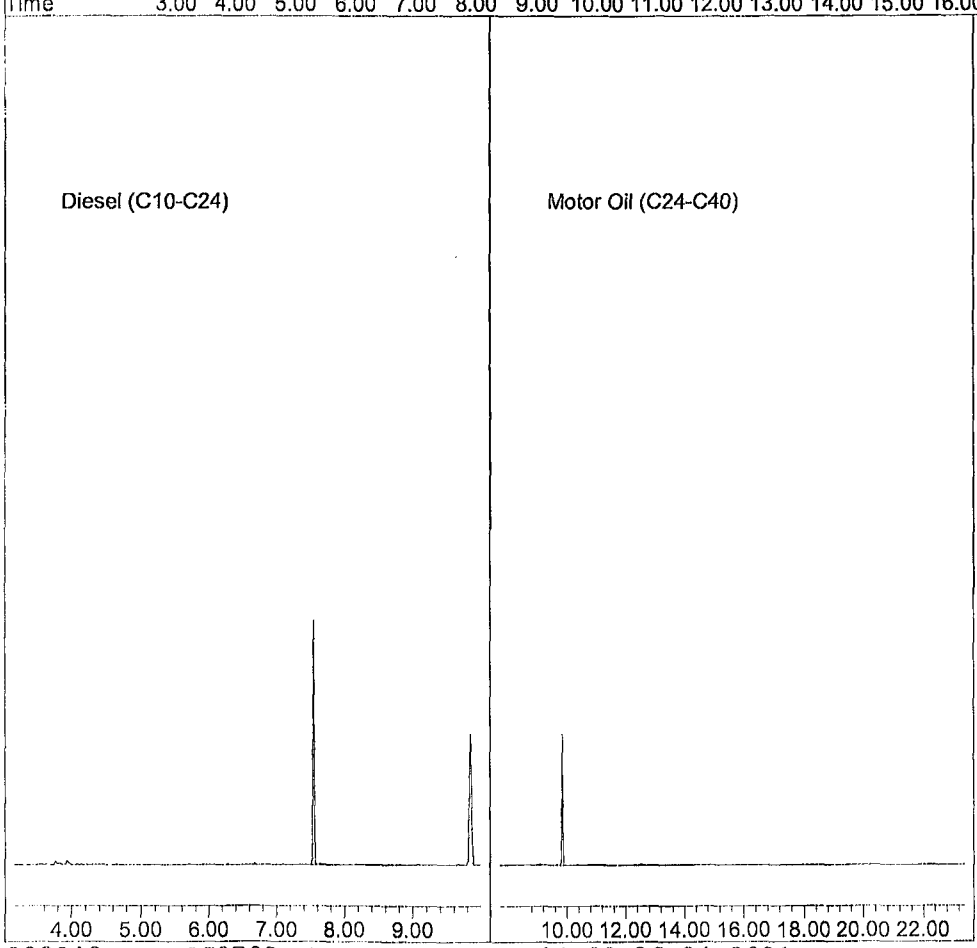
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.55	85914912	85.935 ppb
Surrogate Spike 150.000		Recovery =	57.29%
4) SA Octacosane(S)	9.85	81360033	121.568 ppb
Surrogate Spike 150.000		Recovery =	81.05%
Target Compounds			
1) HATM Diesel (C10-C24)	6.59	15630458	17.819 ppb
2) HBTM Motor Oil (C24-C40)	15.58	39122152	63.210 ppb
Target Compounds			

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

Quantitation Report

Data File: G:\APOLLO\DATA\210808\808040.D
Sample : 210714A BLK 5/1000 SG





808040.D DOC0702.M Sat Aug 14 09:36:24 2021

Quantitation Report (QT Reviewed)

Data File : G:\APOLLO\DATA\210808\808041.D Vial: 41
Acq On : 8-9-21 6:37:09 Operator: KA
Sample : 210714A LCS-1 5/1000 SG Inst : Apollo
Misc : water Multiplr: 5.00
IntFile : events.e
Quant Time: Aug 14 9:41 2021 Quant Results File: DEC0712.RES

Method : G:\APOLLO\DATA\210808\DEC0712.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Mon Aug 09 09:01:40 2021
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)	0.00	0	N.D.	ppb	d
Surrogate Spike 120.000	Recovery =	0.00%			
Target Compounds					
Target Compounds					

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

Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\210808\808041.D Vial: 41
Acq On : 8-9-21 6:37:09 Operator: KA
Sample : 210714A LCS-1 5/1000 SG Inst : Apollo
Misc : water Multiplr: 5.00
IntFile : events.e
Quant Time: Aug 14 9:24 2021 Quant Results File: DOC0702.RES

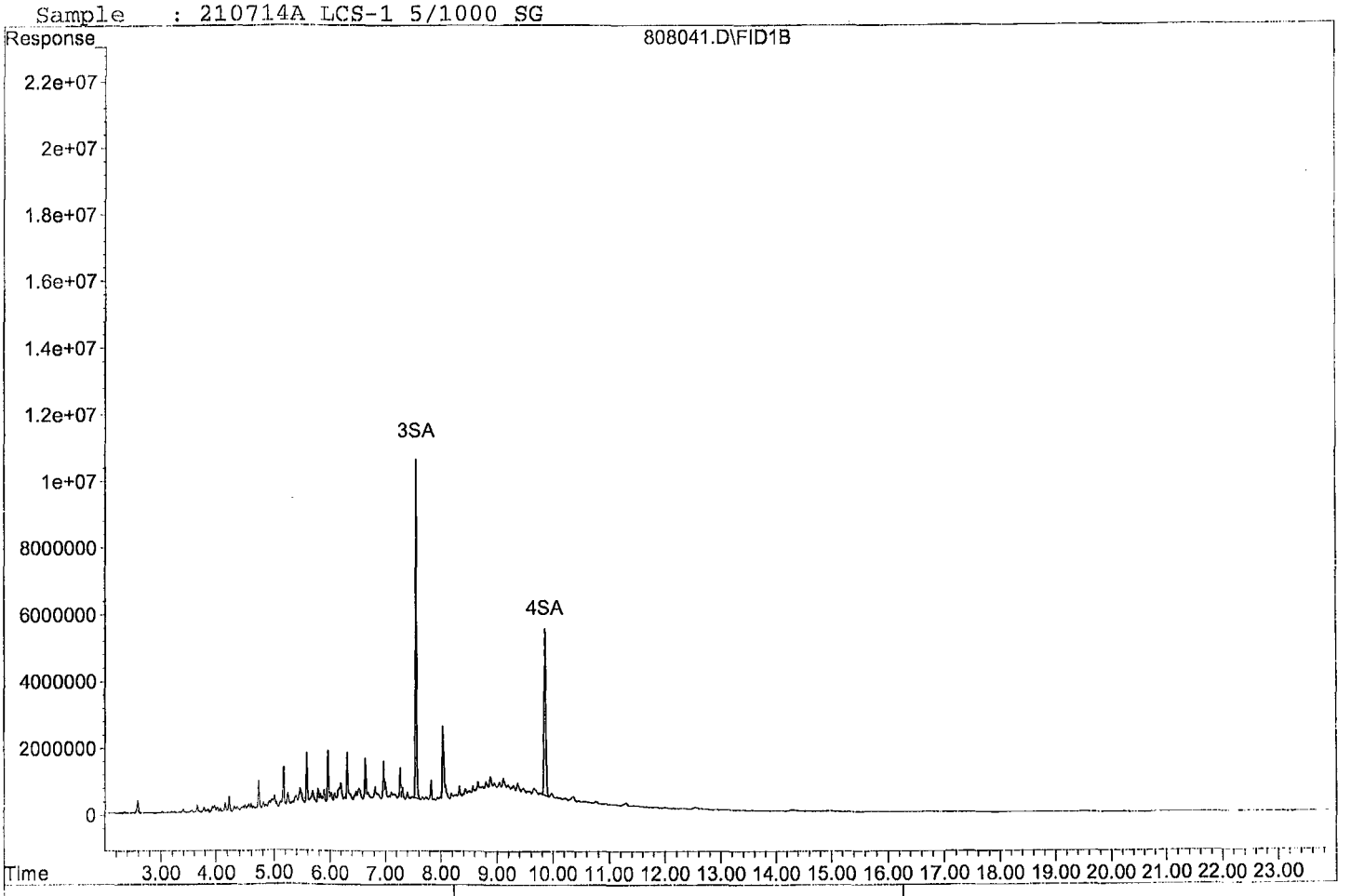
Method : G:\APOLLO\DATA\210808\DOC0702.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Mon Aug 09 15:46:59 2021
Response via : Multiple Level Calibration

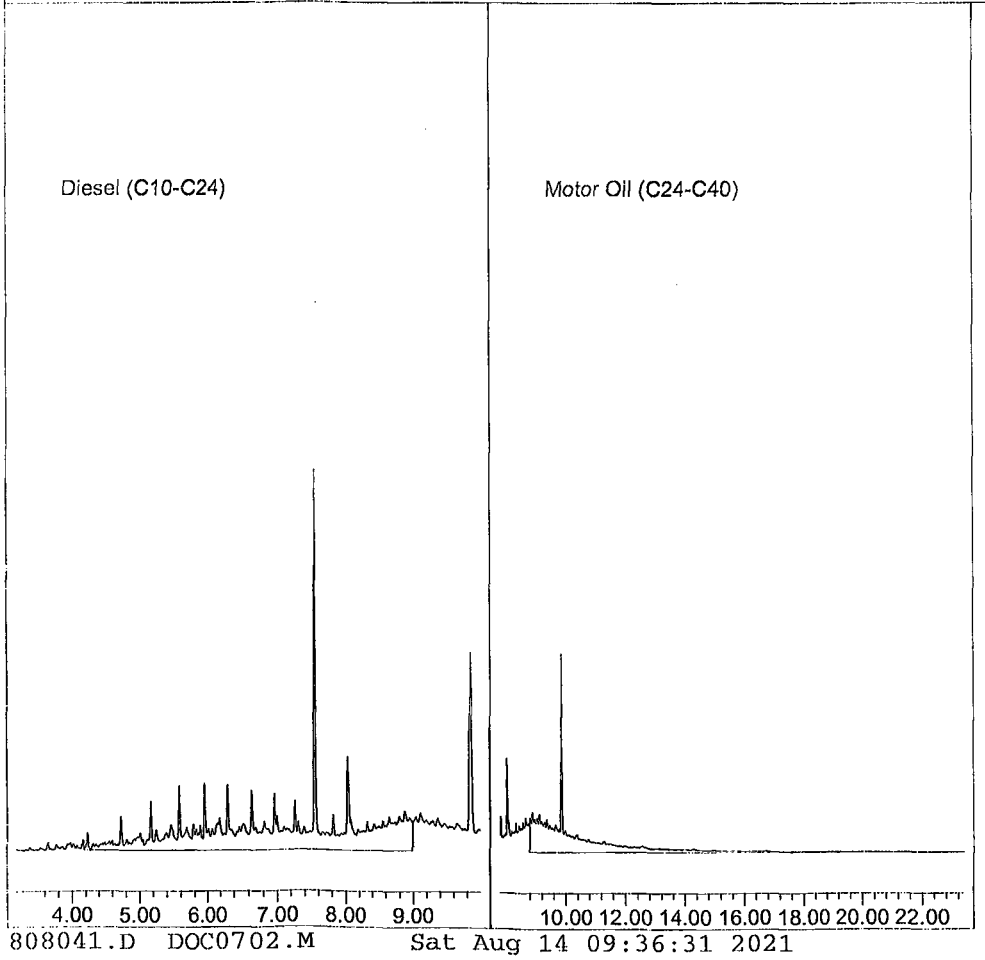
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.55	134275951	134.307 ppb
Surrogate Spike 150.000		Recovery =	89.54%
4) SA Octacosane(S)	9.85	110657280	165.344 ppb
Surrogate Spike 150.000		Recovery =	110.23%
Target Compounds			
1) HATM Diesel (C10-C24)	6.59	1509631657	1721.016 ppb
2) HBTM Motor Oil (C24-C40)	15.58	1153960851	1864.461 ppb
Target Compounds			

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

Data File: G:\APOLLO\DATA\210808\808041.D
Sample : 210714A LCS-1 5/1000 SG





Quantitation Report (QT Reviewed)

Data File : G:\APOLLO\DATA\210808\808042.D Vial: 42
Acq On : 8-9-21 7:05:35 Operator: KA
Sample : 210714A LCSD-1 5/1000 SG Inst : Apollo
Misc : water Multiplr: 5.00
IntFile : events.e
Quant Time: Aug 14 9:42 2021 Quant Results File: DEC0712.RES

Method : G:\APOLLO\DATA\210808\DEC0712.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Mon Aug 09 09:01:40 2021
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)	0.00	0	N.D.	ppb	d
Surrogate Spike 120.000		Recovery =	0.00%		
Target Compounds					
Target Compounds					

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

Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\210808\808042.D Vial: 42
Acq On : 8-9-21 7:05:35 Operator: KA
Sample : 210714A LCSD-1 5/1000 SG Inst : Apollo
Misc : water Multiplr: 5.00
IntFile : events.e
Quant Time: Aug 14 9:24 2021 Quant Results File: DOC0702.RES

Method : G:\APOLLO\DATA\210808\DOC0702.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Mon Aug 09 15:46:59 2021
Response via : Multiple Level Calibration

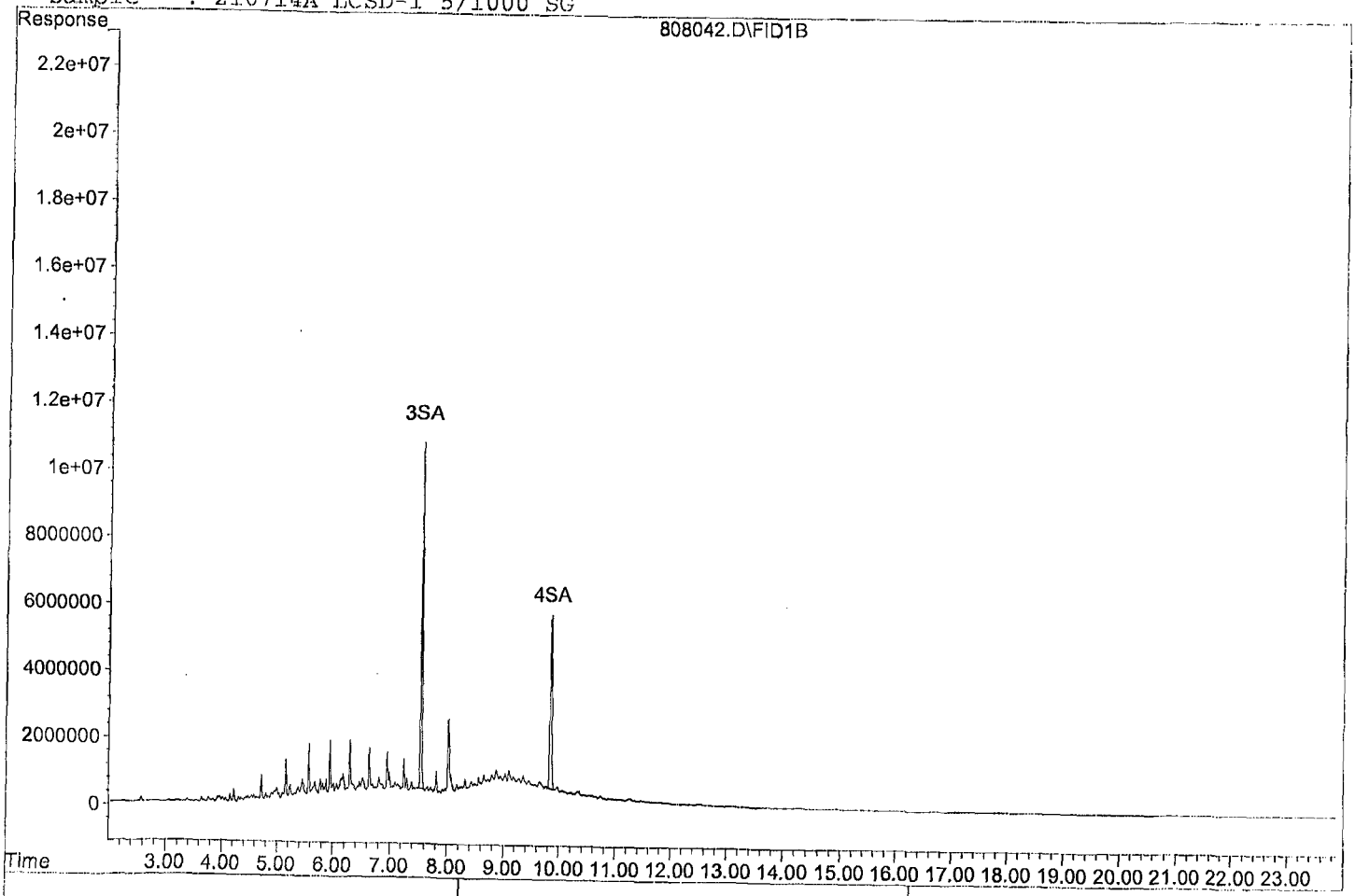
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

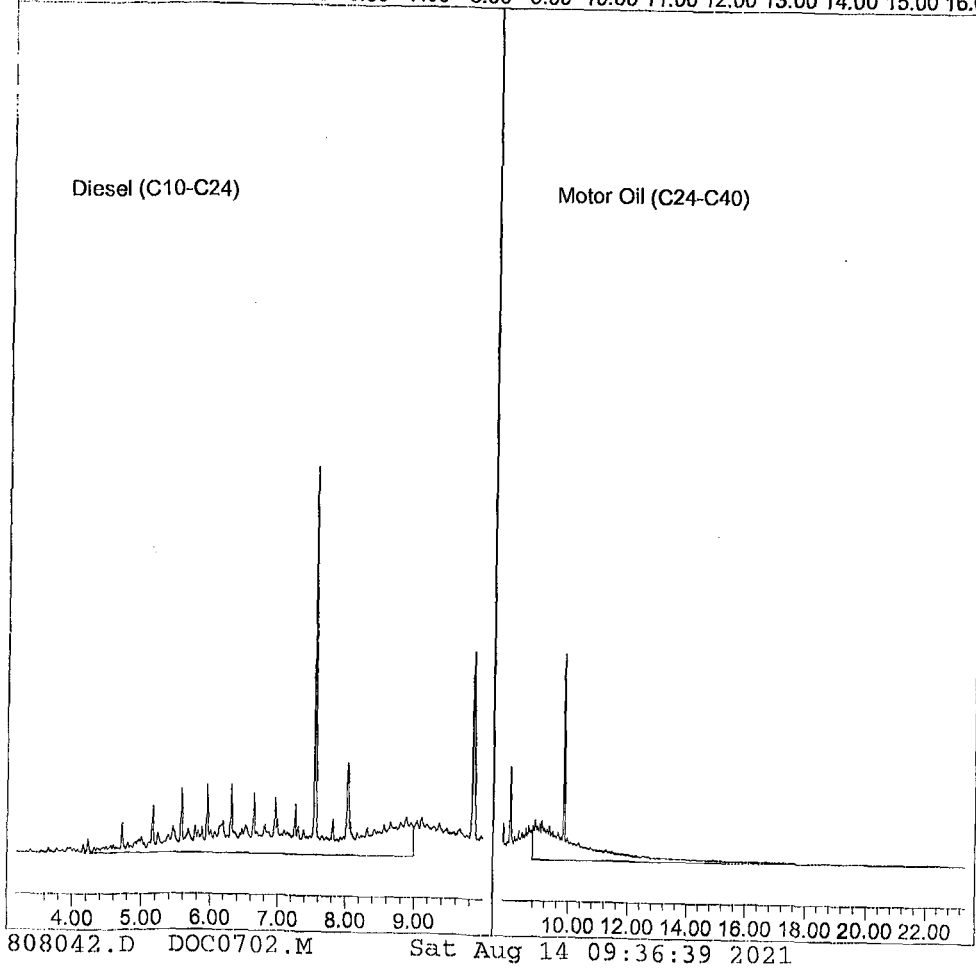
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.55	134944149	134.975 ppb
Surrogate Spike 150.000		Recovery =	89.98%
4) SA Octacosane(S)	9.85	111754283	166.983 ppb
Surrogate Spike 150.000		Recovery =	111.32%
Target Compounds			
1) HATM Diesel (C10-C24)	6.59	1523811049	1737.181 ppb
2) HBTM Motor Oil (C24-C40)	15.58	1171154663	1892.241 ppb
Target Compounds			

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

Quantitation Report

Data File: G:\APOLLO\DATA\210808\808042.D
Sample : 210714A LCSD-1 5/1000 SG





808042.D DOC0702.M Sat Aug 14 09:36:39 2021

Name of Final Standard	THC Surrogate	Prep'd By (Initials)	LS (KY)
Prep Date	07/01/21		
Exp Date	07/01/22		

Initial Standard Information						Final Standard Information				
Name of Initial Standard (QAU Label)	Supplier	Supplier Part No.	Conc.(mg/L))	Lot # with QA # (or reference to APPL prep date)	EXP DATE (1Yr)	Exp Date (Manufacturer)	Aliquot from Stock	Final Volume	Final Solvent + Lot# (or APPL Prep Date)	Final Standard Conc (range)
O-terphenyl/ Octacosane Mix	Phhenova	ALO-130161	600 mg/L	CL15902-52325	07/01/22	10/31/25	NA	NA	NA	600 mg/L

Name of Final Standard	Diesel Motor Oil Standard
Prep Date	06/30/21
Exp Date	06/30/21
MC	

MB

Initial Standard Information						Final Standard Information			
Name of Standard	Supplier	Supplier P/N# (or APPL Mix Name)	Conc.(ug/mL)	Lot # QA Number	Exp. Date	Aliquot from Stock	Final Volume	solvent	Final Standard Conc (range)
Diesel Fuel #2	Restek	31258	50,000	A0164485-52484	46,691	400 uL	10 mL	MC	2000 ug/mL
Motor Oil	Restek	31464	50,000	A0166510-52488	46,752	400 uL	10 mL	MC	2000 ug/mL
THC Surrogate	Phenova	ALO-130161	600	CL15902-51797	10/31/25	1666uL	10 mL	MC	100 ug/mL

Diesel Motor Oil Calibration Curve

Prep'd By (Initials) MB

Prep Date	**07/02/21**
Exp Date	**07/02/22**

						Final Standard Information			
Name of Initial Standard (from contianer Label)	Supplier	Supplier P/N# (or APPL Mix Name)	Conc. (ug/mL)	Lot # with QA # (or reference to APPL prep date)	Exp Date	Aliquot from Stock	Final Volume	Solvent	Final Standard Conc (ug/mL)
Diesel Motor Oil Calibration STD -2	AAPL	Diesel /Motor Oil 1	10	**04/21/21**	**05/06/22**	100 uL	200 uL	**MC**	5
Diesel Motor Oil Calibration STD-3	AAPL	Diesel /Motor Oil 2	50	**04/21/21**	**05/06/22**	200 uL	1 mL	**MC**	10
Diesel Motor Oil Calibration STD	Restek	Diesel /Motor Oil 3	2000	**04/21/21**	**05/06/22**	25 uL	1mL	**MC**	50
Diesel Motor Oil Calibration STD	Restek	Diesel /Motor Oil 4	2000	**04/21/21**	**05/06/22**	125 uL	1mL	**MC**	250
Diesel Motor Oil Calibration STD	Restek	Diesel /Motor Oil 5	2000	**04/21/21**	**05/06/22**	500 uL	1 mL	**MC**	1000
Diesel Motor Oil Calibration STD	Restek	Diesel /Motor Oil 6	2000	**04/21/21**	**05/06/22**	750 uL	1 mL	**MC**	1500
Diesel Motor Oil Calibration STD	Restek	Diesel /Motor Oil 7	2000	**04/21/21**	**05/06/22**	100uL	100 uL	**MC**	2000

Diesel Motor Oil CCV

Prepared By (Initials): MB

Prep Date	06/30/21
Exp Date	06/30/21
Methylene Chloride Lot No.	59353

Initial Standard Information						Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	APPL Mix name	Conc.(ug/mL)	Reference to APPL Prep Date and Lot #'s	Exp Date	Aliquot from Stock	Final Volume	Solvent	Final Standard Conc (ug/mL)
Diesel-Motor Oil Standard	Restek	Diesel Motor Oil CCV	2000	Perp'd: 09/05/20 A0156490-156569-51860, A0155668-160024-51534, CL15440-500953	06/30/25	1250 uL	10mL	MC	250

Diesel Motor Oil Mix

Prepared: 06/28/21

Expires: 06/28/22

Prepared By (Initials): MB

Initial Standard Information							Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	Supplier Part No.	Conc. (ug/mL)	Lot Number - QA Number	Exp. Date (1 yr.)	Exp. Date (Manufacturer)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/mL)
Diesel Fuel #2	Restek	31258	50,000	A0164485-52482,52484,52483, 52480	06/28/22	02/28/27	4.00 mL	8.0 mL	NA	25,000
Motor Oil Composite	Restek	31464	50,000	A0166510-52485,52486.52487, 52484	06/28/22	09/30/27	4.00 mL			25,000

Name of Final Standard	**Decanoic Acid Standard**	**Prep'd By (Initials)**	**MB**
Prep Date	**7/12/2021**		
Exp Date	**7/12/2022**		

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)	Manufacturer Exp Date	Aliquot from Stock	Final Volume	Final Solvent + Lot# (or APPL Prep Date)	Final Standard Conc (range)
Decanoic Acid	O2SI	72766	1000ug/mL	**061821-52673**	**6/18/2021**	600 uL	10 mL	**MC**	60 ug/mL

Decanoic Acid Calibration Curve

Prep'd By (Initials) **MB**

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

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

_LIQ005SGC

Organic Extraction Worksheet

Method	Continuous Liq/Liq TPH- 3520C w/SGC	Extraction Set	210714A	Extraction Method	LIQ005SGC	Units	mL

Spiked ID 1	Diesel Motor Oil Mix 6-28-21 6-28-22		Surrogate ID 1	THC Surrogate 7-6-21 7-6-22	
Spiked ID 2	Decanoic 1000ug/mL Acid Solution 7-13-21 7-13-22		Surrogate ID 2		
Spiked ID 3			Surrogate ID 3		
Spiked ID 4			Surrogate ID 4		
Spiked ID 5			Surrogate ID 5		
Spiked ID 6			Sufficient Vol for Matrix QC:	NO	
Spiked ID 7			Ext. Start Time:	07/14/21 12:28	
Spiked ID 8			Ext. End Time:	07/15/21 8:40	
			GC Requires Extract By:		

pH1	2	07/14/21 11:25	Water Bath Temp 1 °C	42/40.5 °C
pH2	2	07/14/21 14:05	Water Bath Temp 2 °C	38/41.1
pH3			Water Bath Temp 3 °C	35/34.5 °C

Spiked By: YL **Date** 7/14/2021 **Witnessed By:** CFM **Date** 7/14/2021

	Sample	Sample Container	Spike Amount	Spike ID	Surrogate Amount	Surrogate ID	Extract Amount	Final Volume	pH	Extract Date/Time	Comments
1	210714A Blk		0.050	2	0.250	1	10000	5	2	07/14/21 11:35	*
						equip	E-HP3 E-WB1				
2	210714A LCS-1		0.080,0.050	1,2	0.250	1	10000	5	2	07/14/21 11:35	*
						equip	E-HP4 E-WB2				
3	210714A LCSD-1		0.080,0.050	1,2	0.250	1	1000	5	2	07/14/21 11:35	*
						equip	E-HP6 E-WB3				
4	BA35745	BA35745W08	0.050	2	0.250	1	1020	5	2	07/14/21 11:35	96778 *
						equip	E-HP7 E-WB1				
5	BA35748	BA35748W08	0.050	2	0.250	1	1040	5	2	07/14/21 11:35	96778 *
						equip	E-HP8 E-WB2				
6	BA35750	BA35750W08	0.050	2	0.250	1	1040	5	2	07/14/21 11:35	96778 *
						equip	E-HP9 E-WB3				
7	BA35753	BA35753W08	0.050	2	0.250	1	1000	5	2	07/14/21 11:35	96778 *
						equip	E-HP10 E-WB1				
8	BA36030	BA36030W09	0.050	2	0.250	1	1050	5	2	07/14/21 14:10	96810 *
						equip	E-HP11 E-WB2				
9	BA36031	BA36031W09	0.050	2	0.250	1	1010	5	2	07/14/21 14:10	96810 *
						equip	E-HP12 E-WB3				

Solvent and Lot#	
1+1 HCL (5mLs)	60282
PH Strips	HC148594
Dichloromethane (DCM)	60338
Filter Paper	400181
Sodium Sulfate	2020120870
SILICA GEL (*)	050627T

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

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

Modified	7/19/2021 6:55:14 AM

Reviewed By: KY **Date** 7/19/2021

Injection Log

Directory: G:\APOLLO\DATA\2021\210702\

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	5	702005.D	1	DMO STD-1 07/02/21	water	7-2-21 14:35:23
2	6	702006.D	1	DMO STD-2 07/02/21	water	7-2-21 15:03:41
3	7	702007.D	1	DMO STD-3 07/02/21	water	7-2-21 15:32:00
4	8	702008.D	1	DMO STD-4 07/02/21	water	7-2-21 16:01:03
5	9	702009.D	1	DMO STD-5 07/02/21	water	7-2-21 16:29:22
6	10	702010.D	1	DMO STD-6 07/02/21	water	7-2-21 16:57:44
7	11	702011.D	1	DMO STD-7 07/02/21	water	7-2-21 17:26:03
8	12	702012.D	1	DMO STD-SS 07/02/21	water	7-2-21 17:54:24
9	3	712003.D	1	Decanoic Acid 1 07/12/21	water	7-12-21 10:17:48
10	4	712004.D	1	Decanoic Acid 2 07/12/21	water	7-12-21 10:46:08
11	5	712005.D	1	Decanoic Acid 3 07/12/21	water	7-12-21 11:14:29
12	6	712006.D	1	Decanoic Acid 4 07/12/21	water	7-12-21 11:42:47
13	7	712007.D	1	Decanoic Acid 5 07/12/21	water	7-12-21 12:11:03
14	8	712008.D	1	Decanoic Acid 6 07/12/21	water	7-12-21 12:39:20
15	38	808038.D	1	Diesel Motor Oil CCV-8/5/21	water	8-9-21 5:11:47
16	39	808039.D	1	Decanoic Acid CCV-7/12/21	water	8-9-21 5:40:14
17	40	808040.D	5	210714A BLK 5/1000 SG	water	8-9-21 6:08:41
18	41	808041.D	5	210714A LCS-1 5/1000 SG	water	8-9-21 6:37:09
19	42	808042.D	5	210714A LCSD-1 5/1000 SG	water	8-9-21 7:05:35
20	43	808043.D	4.80769	BA35748W08 5/1040 SG	water	8-9-21 7:34:03
21	44	808044.D	4.90196	BA35745W08 5/1020 SG	water	8-9-21 8:02:37
22	45	808045.D	4.80769	BA35750W08 5/1040 SG	water	8-9-21 8:31:08
23	46	808046.D	5	BA35753W08 5/1000 SG	water	8-9-21 8:59:31
24	49	808049.D	1	Diesel Motor Oil CCV-8/5/21	water	8-9-21 10:24:45
25	50	808050.D	1	Decanoic Acid CCV-7/12/21	water	8-9-21 10:53:11

ORGANICS

Calibration Data

TPH Extractables
DOC0702

Form 6
Initial Calibration

Lab Name: APPL, Inc. SDG No:
Case No: Initial Cal. Date: 07/02/21
Matrix: Water Instrument: Apollo
Initials: MB

			702005.D	702006.D	702007.D	702008.D	702009.D	702010.D	702011.D								
		Compound	1	2	3	4	5	6	7				Avg	%RSD	Type	r^2	Q
1	HATM	Diesel (C10-C24)	3016894	1951949	2014939	2067917	2039722	2119264	2139867				2192936	17	HATM		
2	HBTM	Motor Oil (C24-C40)		1676406	1491952	1522421	1492860	1546113	1554117				1547312	4.4	HBTM		
3	SA	Ortho-Terphenyl(S)	2636466	2540006	2431557	2529925	2422677	2435838	2499496				2499423	3.1	SA		
4	SA	Octacosane(S)	1728504	1650255	1588691	1695307	1644244	1699403	1705536				1673134	2.9	SA		
5																	
6																	
7																	
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0.776978

FORM61

APPL 07/06/21 8:48 AM

Data File : G:\APOLLO\DATA\210702\702005.D Vial: 5
Acq On : 7-2-21 14:35:23 Operator: MB
Sample : DMO STD-1 07/02/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Jul 6 8:47 2021 Quant Results File: DOC0702.RES

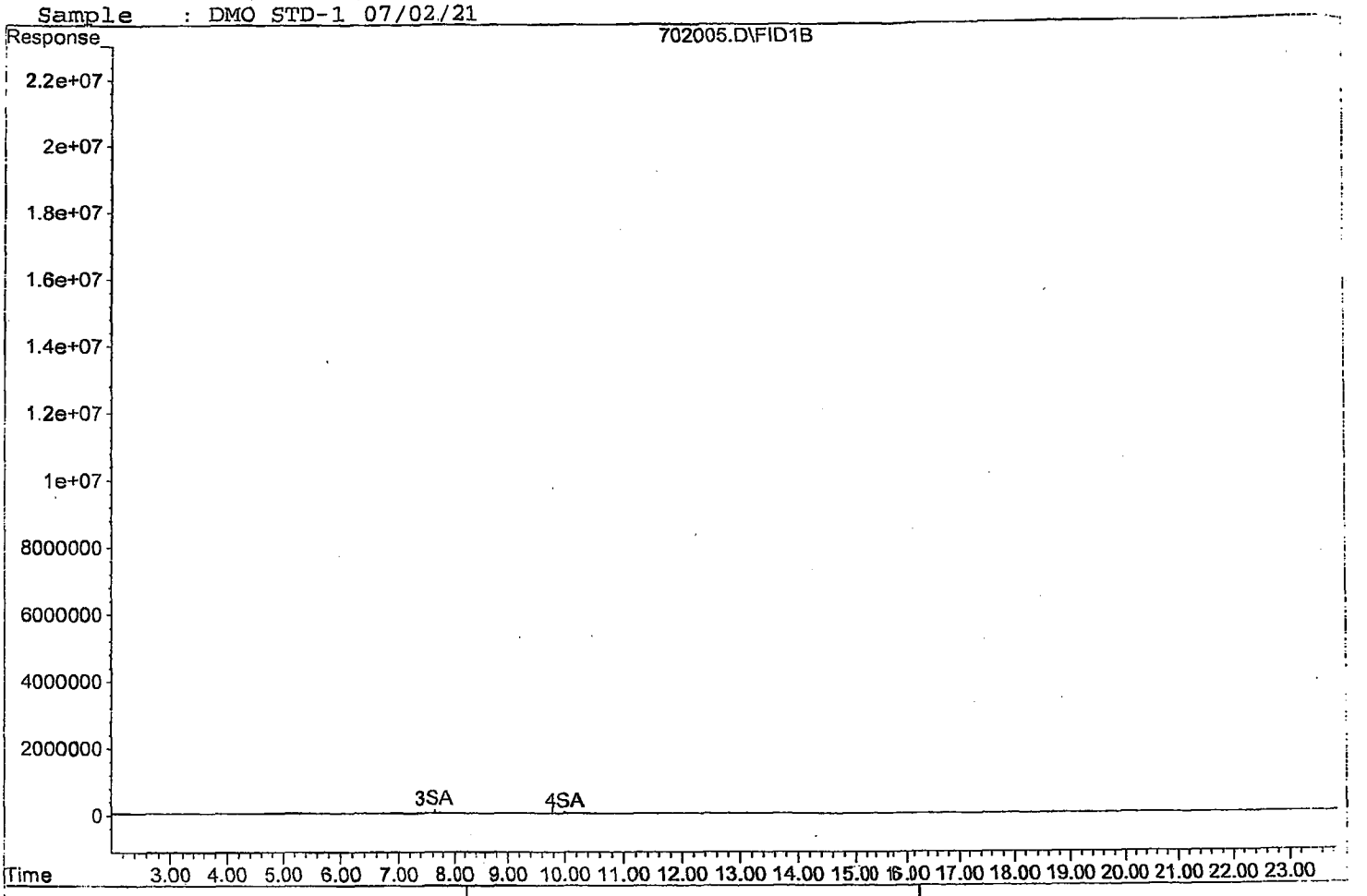
Method : G:\APOLLO\DATA\210702\DOC0702.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Tue Jul 06 08:45:30 2021
Response via : Multiple Level Calibration

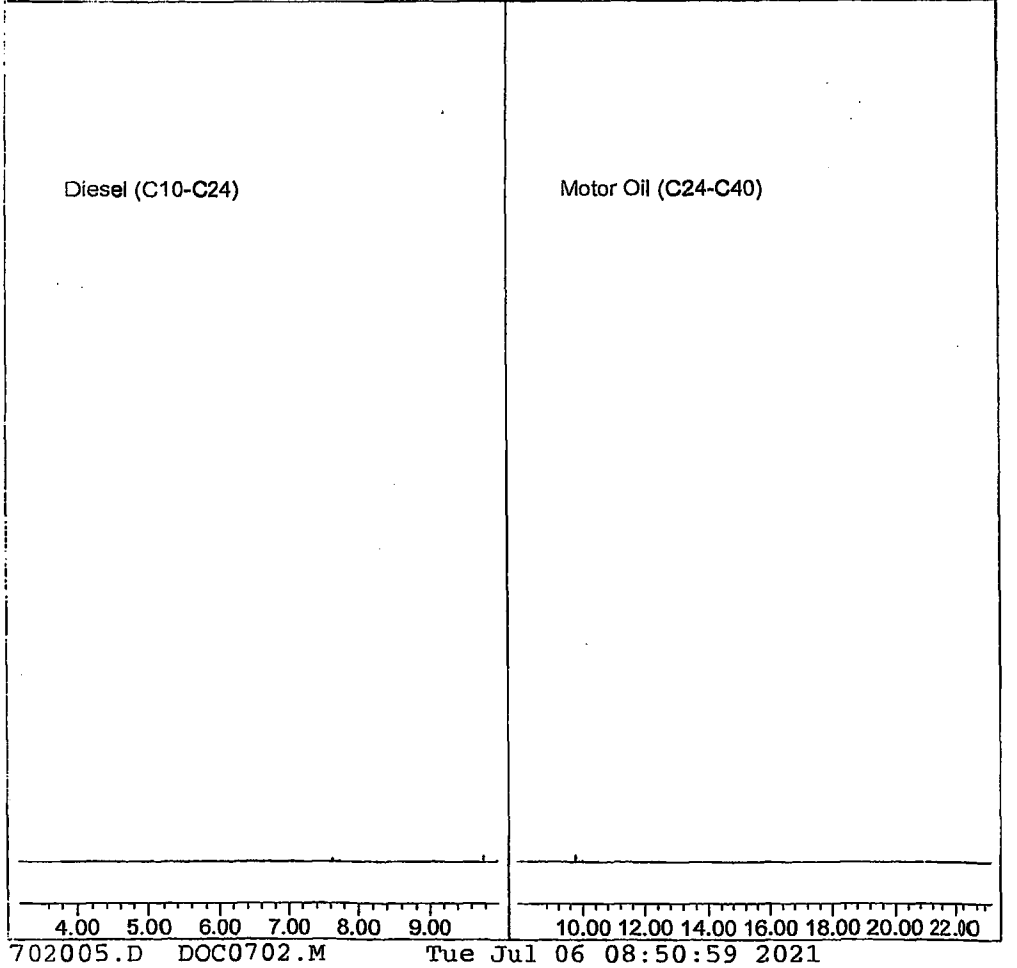
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.63	1318233	0.264 ppb
Surrogate Spike 30.000	Recovery	=	0.88%
4) SA Octacosane(S)	9.99	864252	0.258 ppb
Surrogate Spike 30.000	Recovery	=	0.86%
Target Compounds			
1) HATM Diesel (C10-C24)	6.59	30168940	6.879 ppb
2) HBTM Motor Oil (C24-C40)	15.58	26926949	8.701 ppb
Target Compounds			

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

Data File: G:\APOLLO\DATA\210702\702005.D
Sample : DMO STD-1 07/02/21





702005.D DOC0702.M Tue Jul 06 08:50:59 2021 Page 2

Data File : G:\APOLLO\DATA\210702\702006.D Vial: 6
Acq On : 7-2-21 15:03:41 Operator: MB
Sample : DMO STD-2 07/02/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Jul 6 8:47 2021 Quant Results File: DOC0702.RES

Method : G:\APOLLO\DATA\210702\DOC0702.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Tue Jul 06 08:45:30 2021
Response via : Multiple Level Calibration

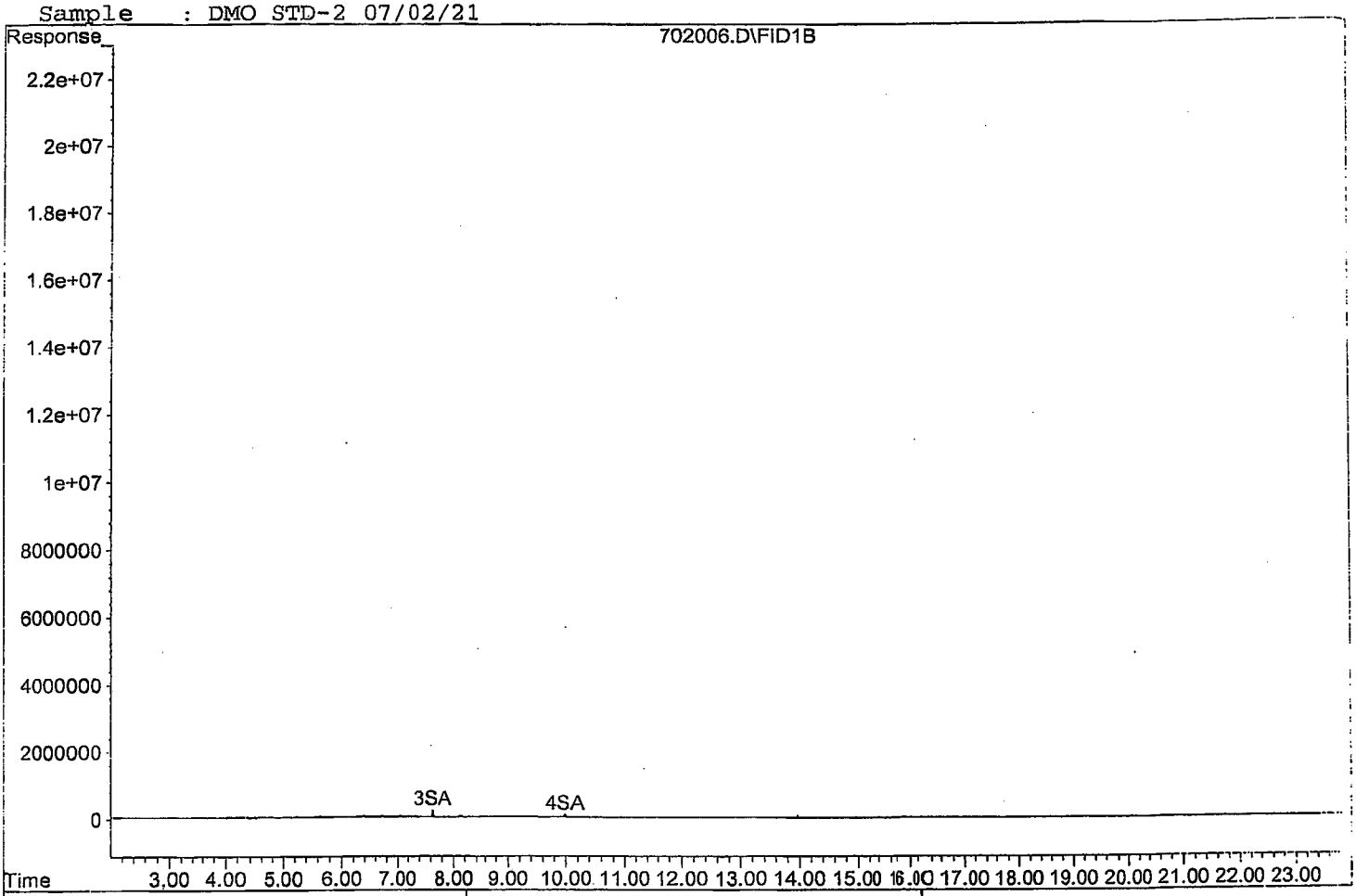
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

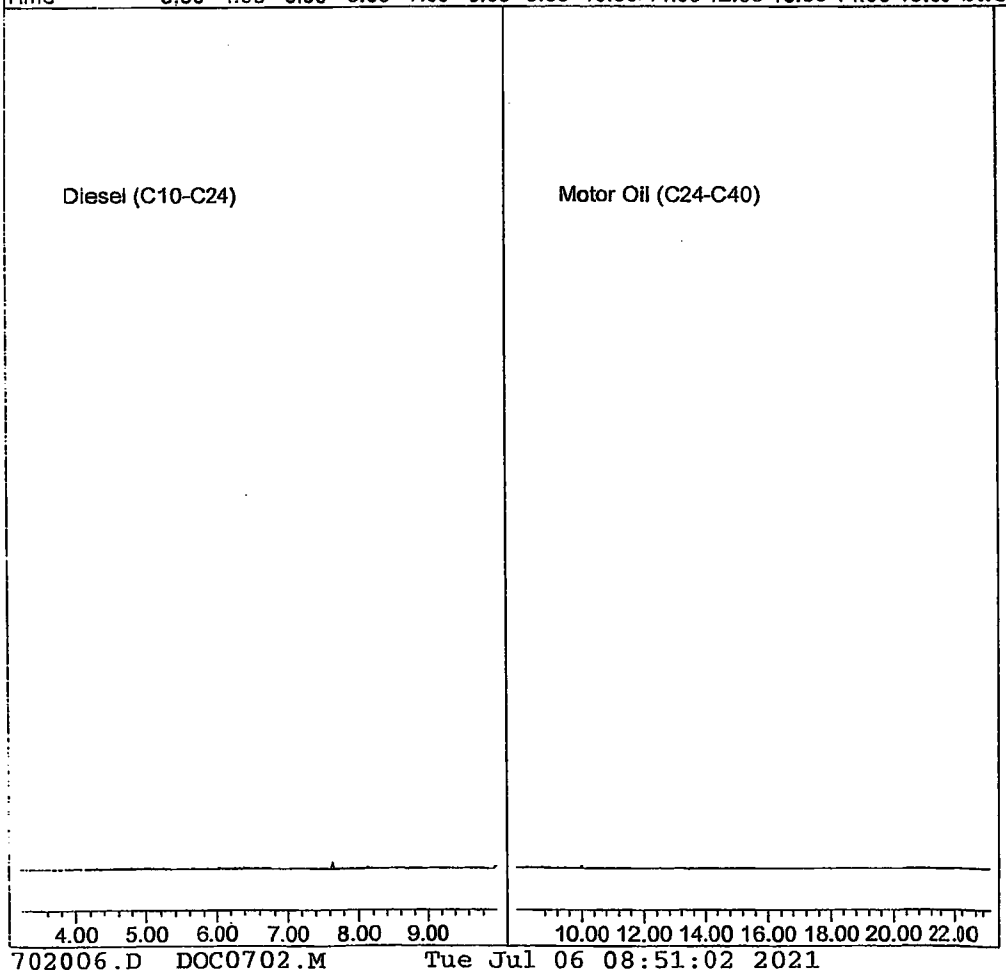
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.63	2540006	0.508 ppb
Surrogate Spike 30.000	Recovery =		1.69%
4) SA Octacosane(S)	9.99	1650255	0.493 ppb
Surrogate Spike 30.000	Recovery =		1.64%
Target Compounds			
1) HATM Diesel (C10-C24)	6.59	39038983	8.901 ppb
2) HBTM Motor Oil (C24-C40)	15.58	33528117	10.834 ppb

Target Compounds

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

Data File: G:\APOLLO\DATA\210702\702006.D
Sample : DMO STD-2 07/02/21





Data File : G:\APOLLO\DATA\210702\702007.D Vial: 7
Acq On : 7-2-21 15:32:00 Operator: MB
Sample : DMO STD-3 07/02/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Jul 6 8:47 2021 Quant Results File: DOC0702.RES

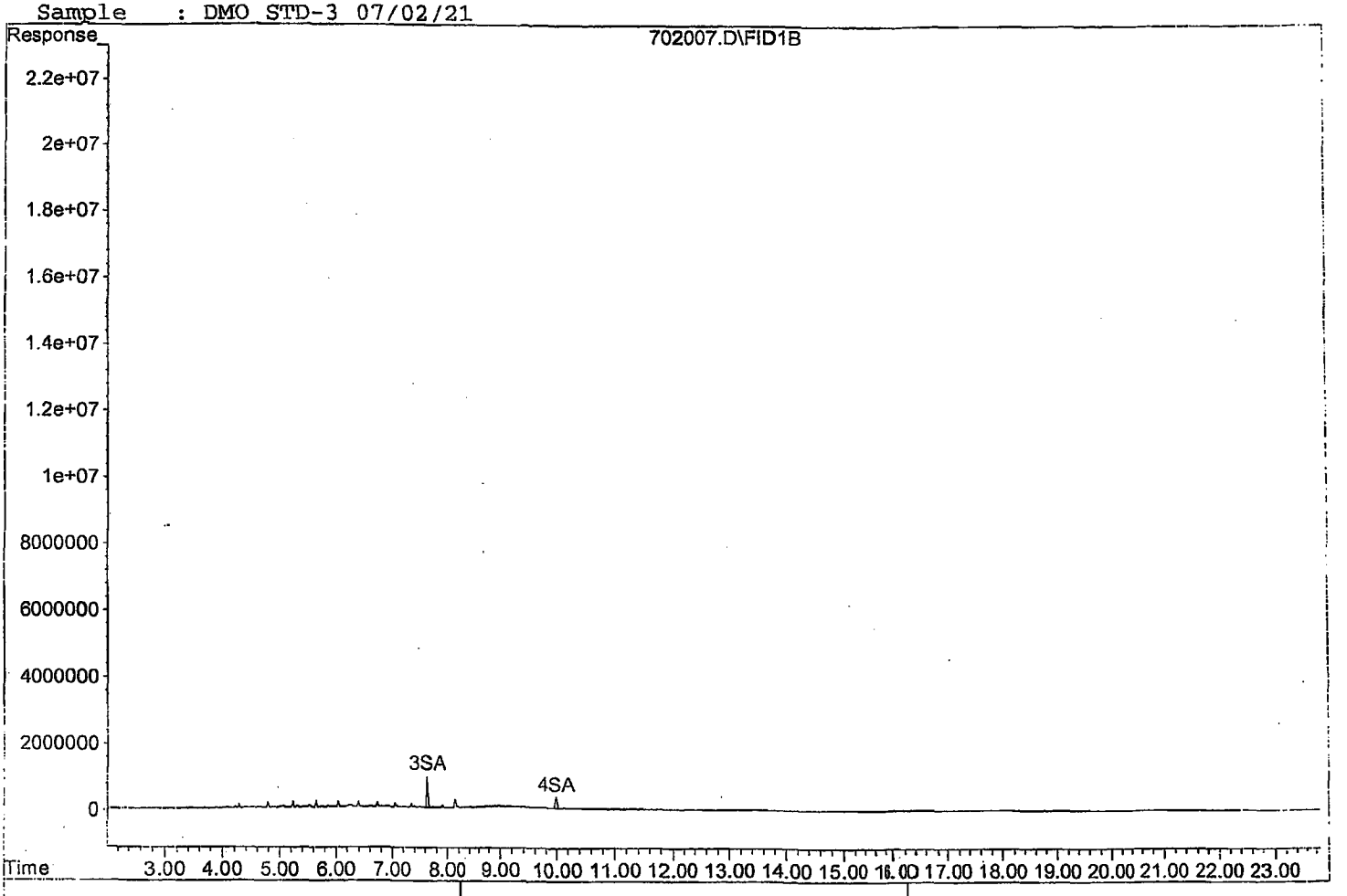
Method : G:\APOLLO\DATA\210702\DOC0702.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Tue Jul 06 08:45:30 2021
Response via : Multiple Level Calibration

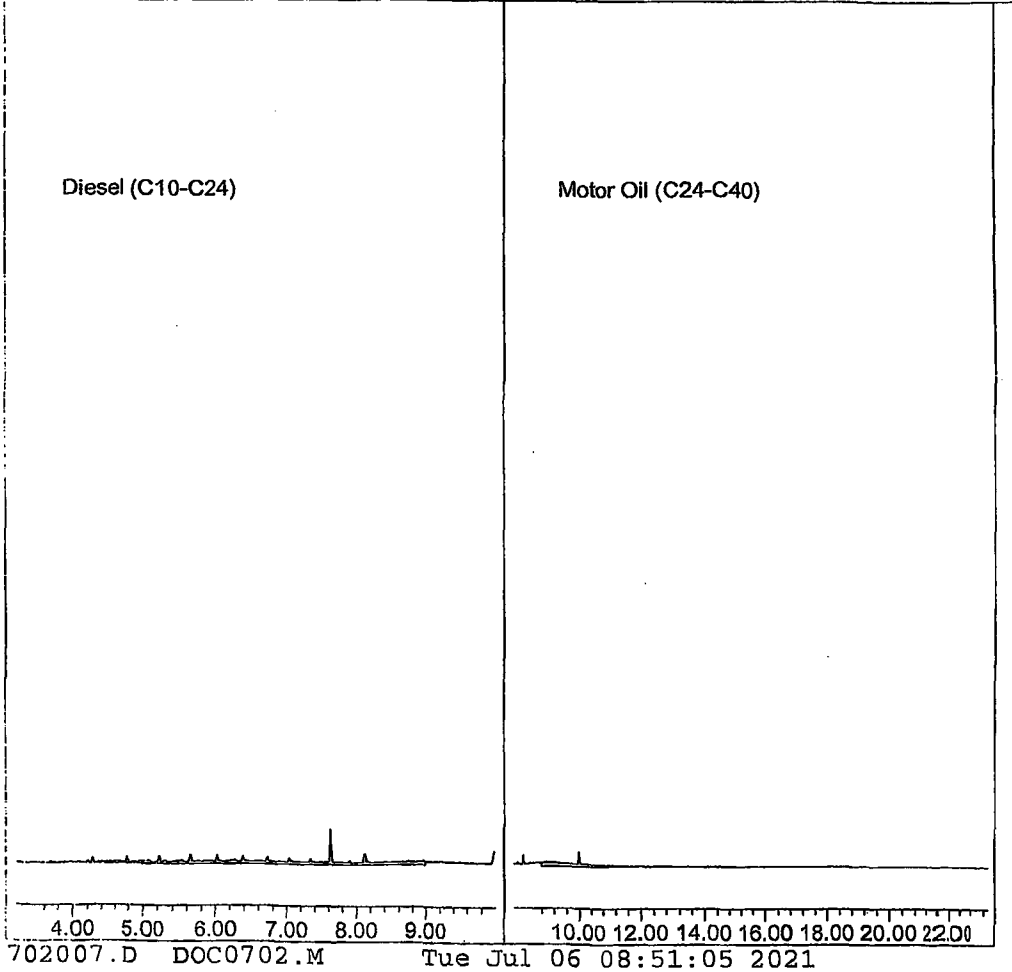
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.63	12157783	2.432 ppb
Surrogate Spike 30.000	Recovery =		8.11%
4) SA Octacosane(S)	9.99	7943456	2.374 ppb
Surrogate Spike 30.000	Recovery =		7.91%
Target Compounds			
1) HATM Diesel (C10-C24)	6.59	201493934	45.942 ppb
2) HBTM Motor Oil (C24-C40)	15.58	149195183	48.211 ppb
Target Compounds			

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

Data File: G:\APOLLO\DATA\210702\702007.D
Sample : DMO STD-3 07/02/21





Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\210702\702008.D Vial: 8
Acq On : 7-2-21 16:01:03 Operator: MB
Sample : DMO STD-4 07/02/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Jul 6 8:47 2021 Quant Results File: DOC0702.RES

Method : G:\APOLLO\DATA\210702\DOC0702.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Tue Jul 06 08:45:30 2021
Response via : Multiple Level Calibration

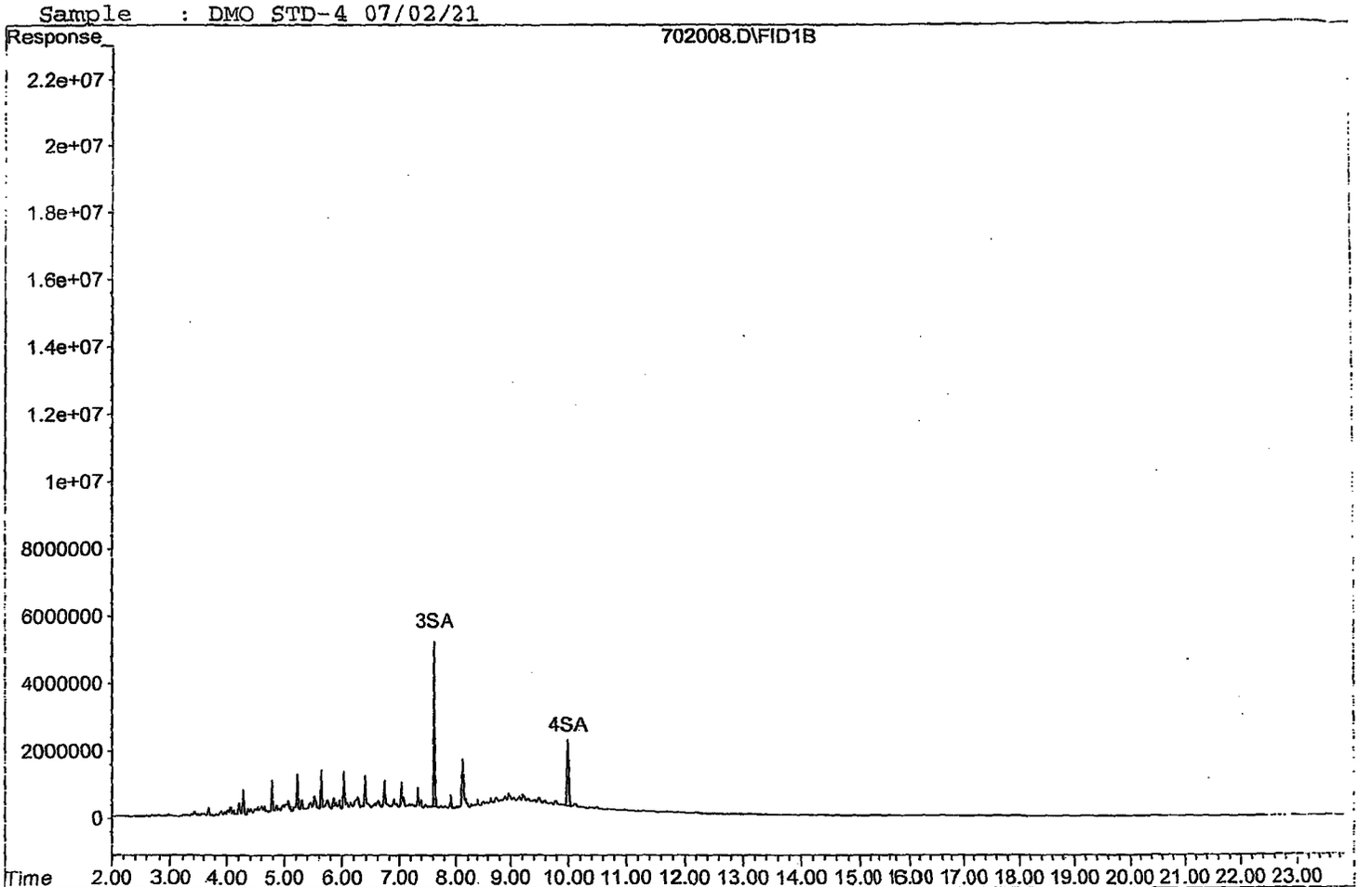
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

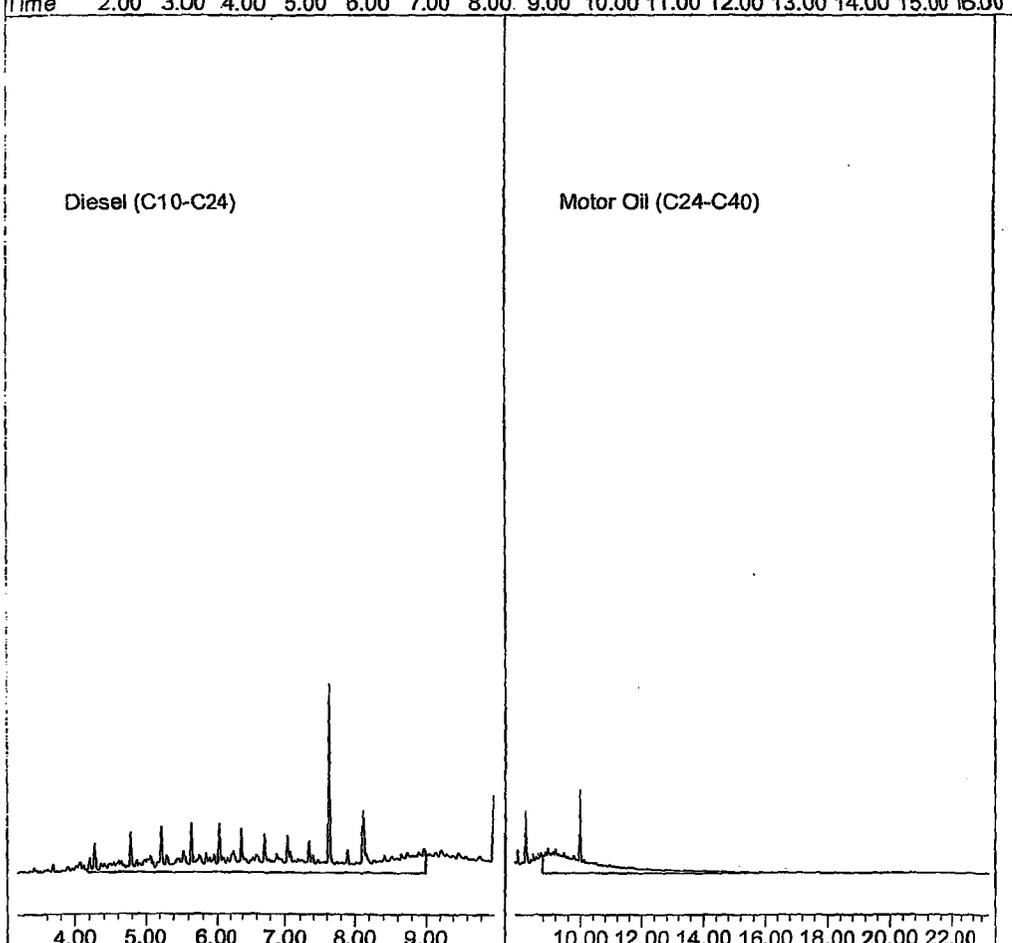
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.63	63248117	12.653 ppb
Surrogate Spike 30.000	Recovery =		42.18%
4) SA Octacosane(S)	9.99	42382685	12.666 ppb
Surrogate Spike 30.000	Recovery =		42.22%
Target Compounds			
1) HATM Diesel (C10-C24)	6.59	1033958317	235.747 ppb
2) HBTM Motor Oil (C24-C40)	15.58	761210432	245.978 ppb

Target Compounds

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

Data File: G:\APOLLO\DATA\210702\702008.D
Sample : DMO STD-4 07/02/21





702008.D DOC0702.M Tue Jul 06 08:51:07 2021 Page 2

Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\210702\702009.D Vial: 9
Acq On : 7-2-21 16:29:22 Operator: MB
Sample : DMO STD-5 07/02/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Jul 6 8:47 2021 Quant Results File: DOC0702.RES

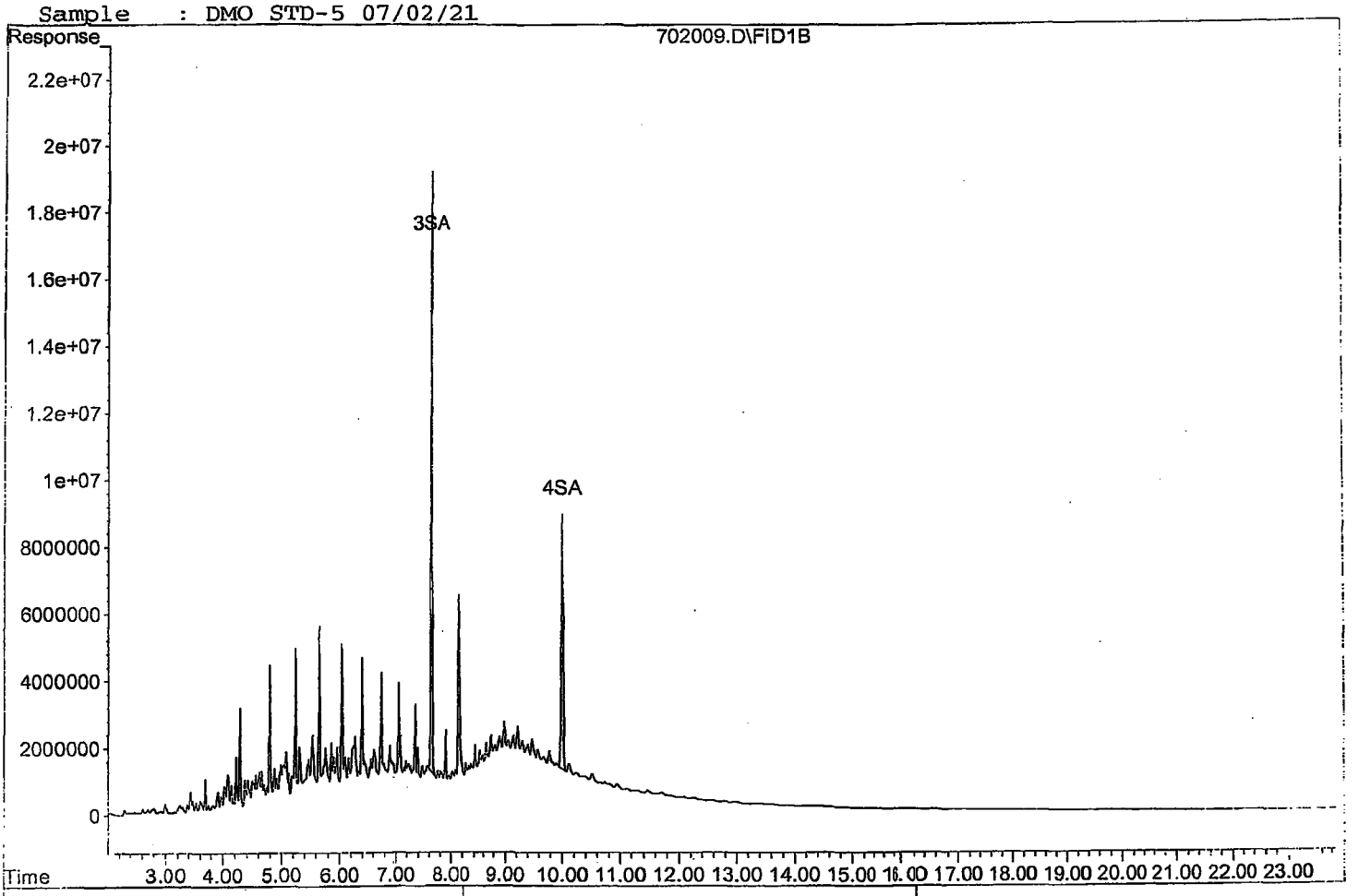
Method : G:\APOLLO\DATA\210702\DOC0702.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Tue Jul 06 08:45:30 2021
Response via : Multiple Level Calibration

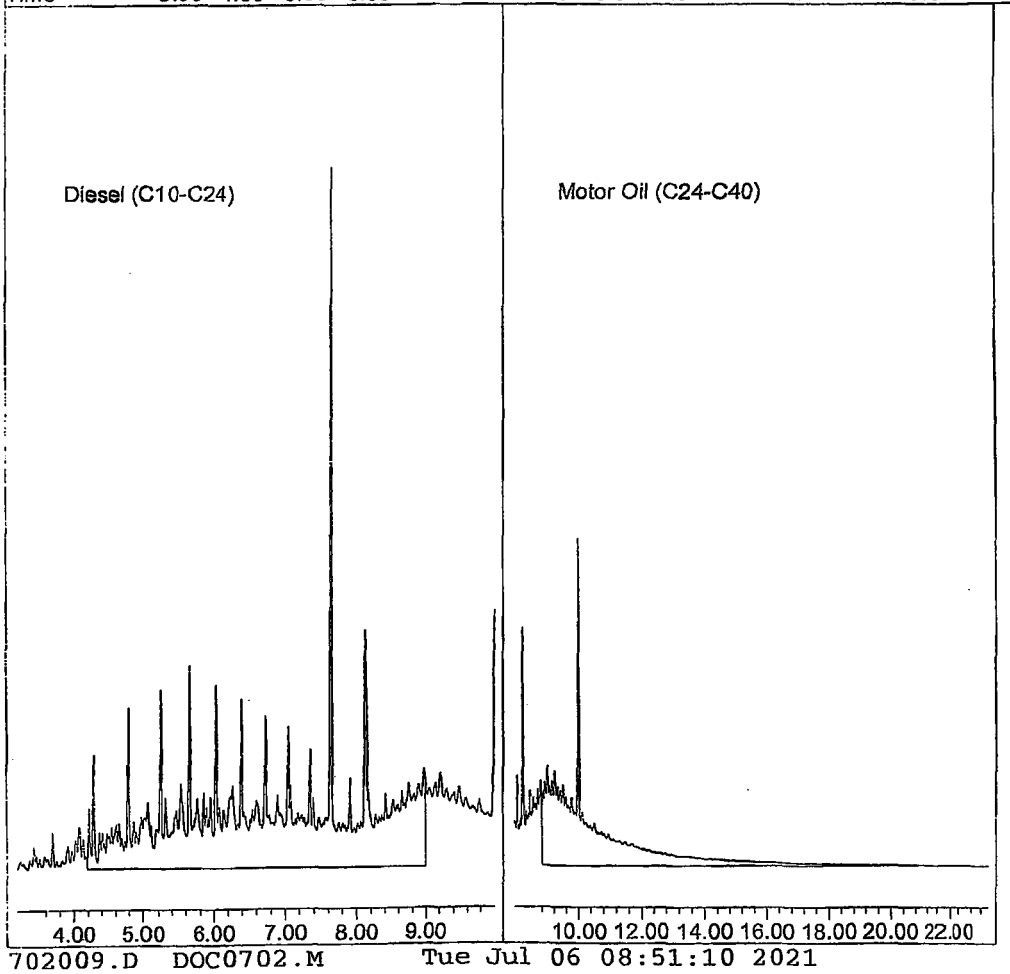
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.64	242267738	48.465 ppb
Surrogate Spike 30.000	Recovery =		161.55%
4) SA Octacosane(S)	10.00	164424401	49.137 ppb
Surrogate Spike 30.000	Recovery =		163.79%
Target Compounds			
1) HATM Diesel (C10-C24)	6.59	4079443154	930.133 ppb
2) HBTM Motor Oil (C24-C40)	15.58	2985720309	964.809 ppb
Target Compounds			

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

Data File: G:\APOLLO\DATA\210702\702009.D
Sample : DMO STD-5 07/02/21





Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\210702\702010.D Vial: 10
Acq On : 7-2-21 16:57:44 Operator: MB
Sample : DMO STD-6 07/02/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Jul 6 8:47 2021 Quant Results File: DOC0702.RES

Method : G:\APOLLO\DATA\210702\DOC0702.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Tue Jul 06 08:45:30 2021
Response via : Multiple Level Calibration

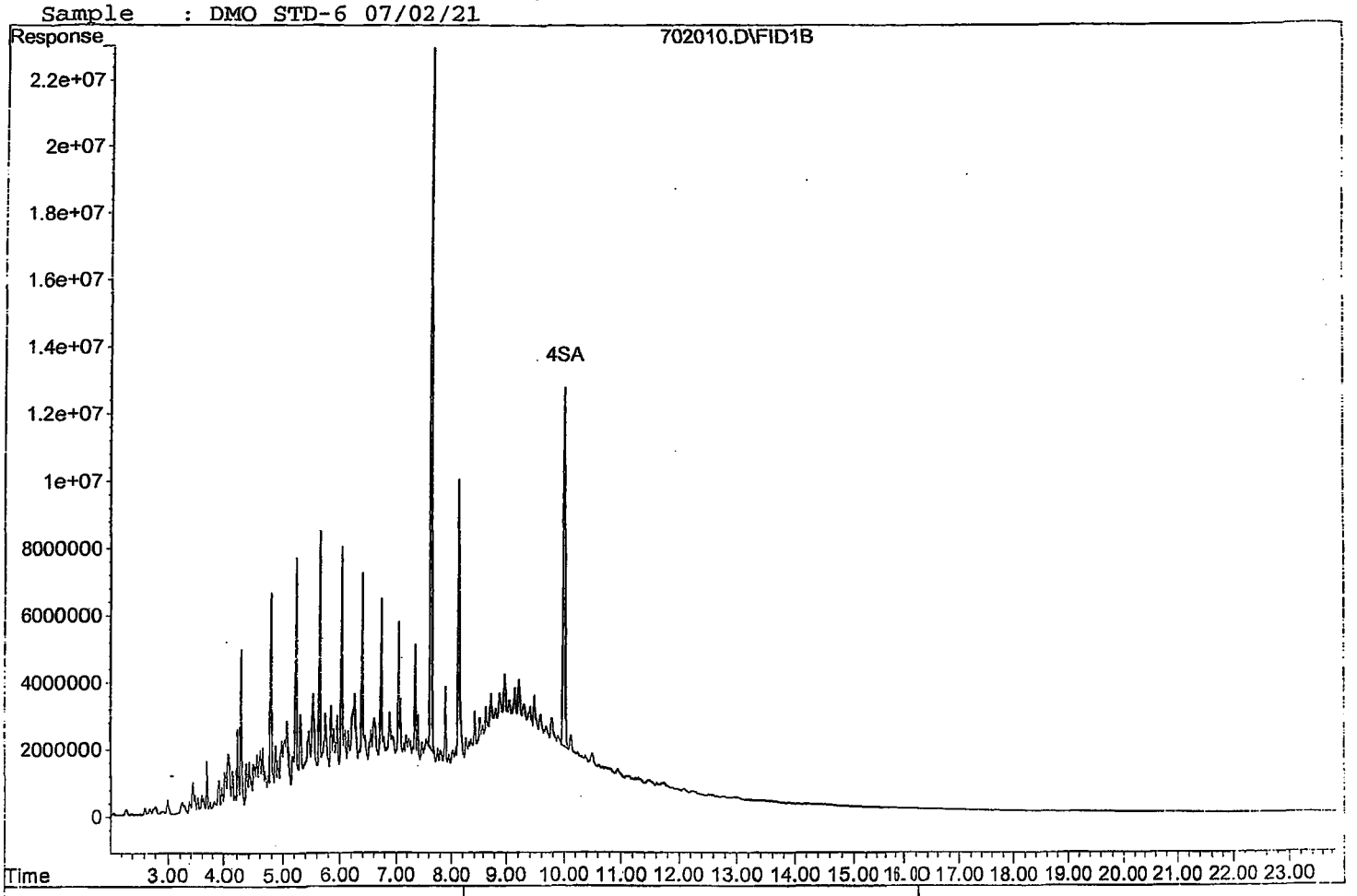
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

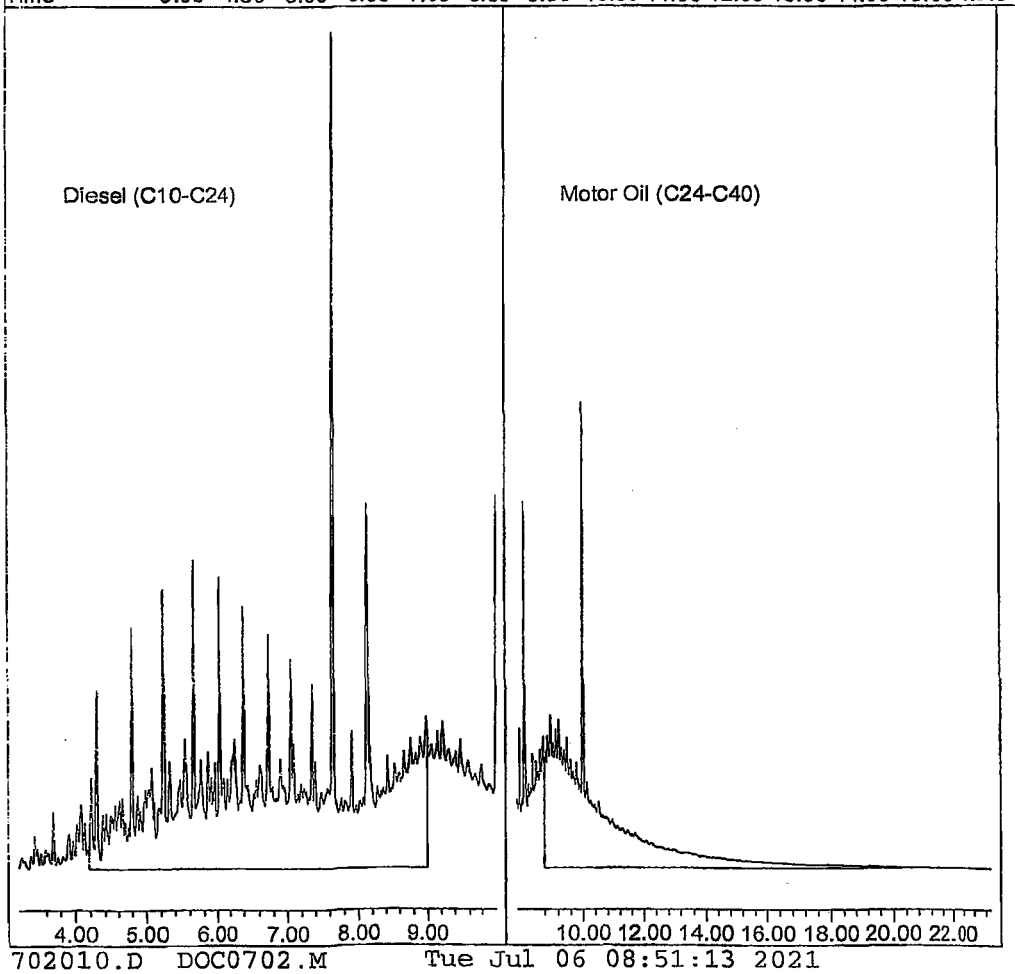
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.64	365375654	73.092 ppb
Surrogate Spike 30.000	Recovery =		243.64%
4) SA Octacosane(S)	10.00	254910432	76.178 ppb
Surrogate Spike 30.000	Recovery =		253.93%
Target Compounds			
1) HATM Diesel (C10-C24)	6.59	6357793272	1449.608 ppb
2) HBTM Motor Oil (C24-C40)	15.58	4638339387	1498.838 ppb

Target Compounds

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

Data File: G:\APOLLO\DATA\210702\702010.D
Sample : DMO STD-6 07/02/21





Data File : G:\APOLLO\DATA\210702\702011.D Vial: 11
Acq On : 7-2-21 17:26:03 Operator: MB
Sample : DMO STD-7 07/02/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Jul 6 8:47 2021 Quant Results File: DOC0702.RES

Method : G:\APOLLO\DATA\210702\DOC0702.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Tue Jul 06 08:45:30 2021
Response via : Multiple Level Calibration

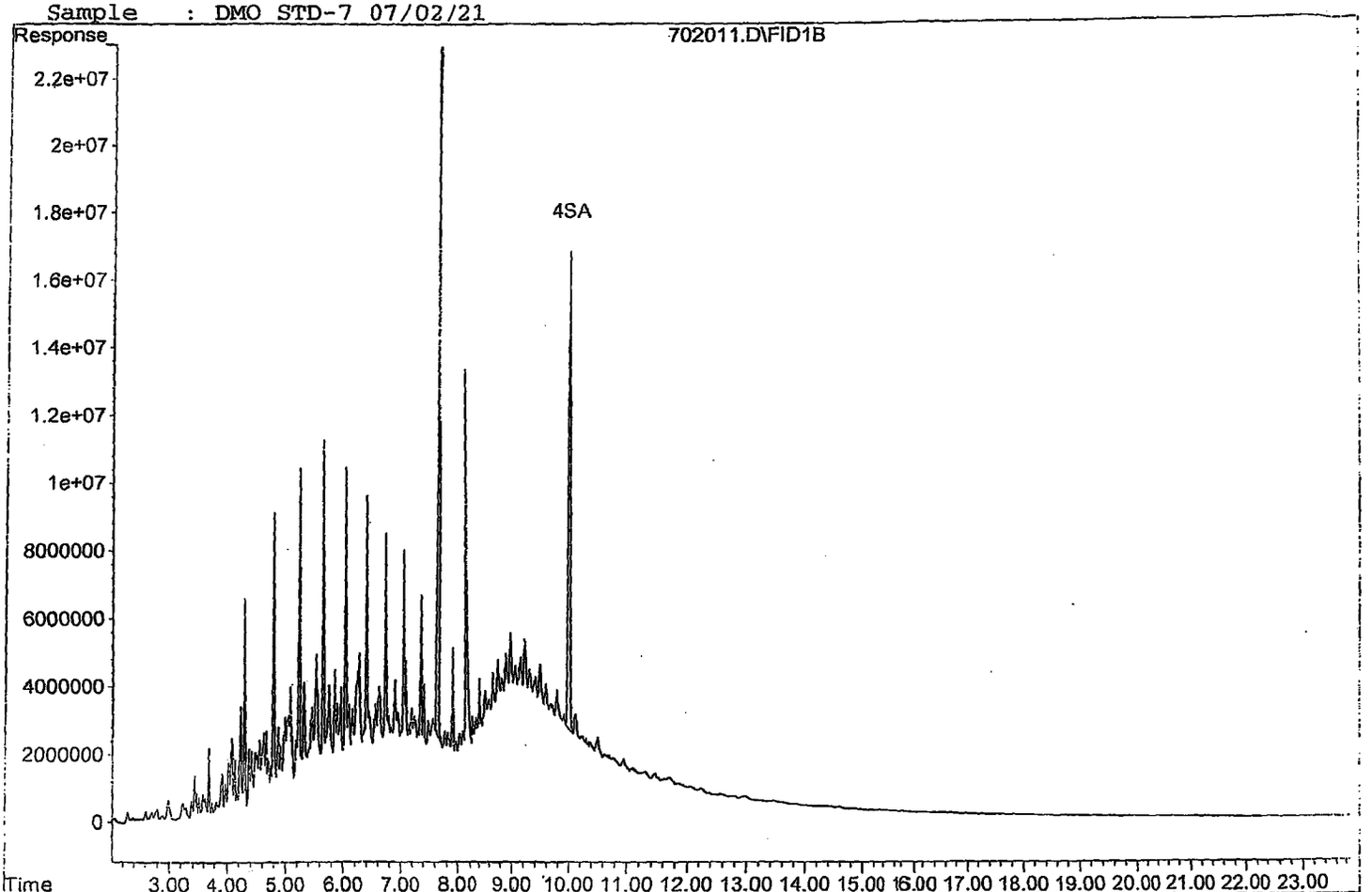
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

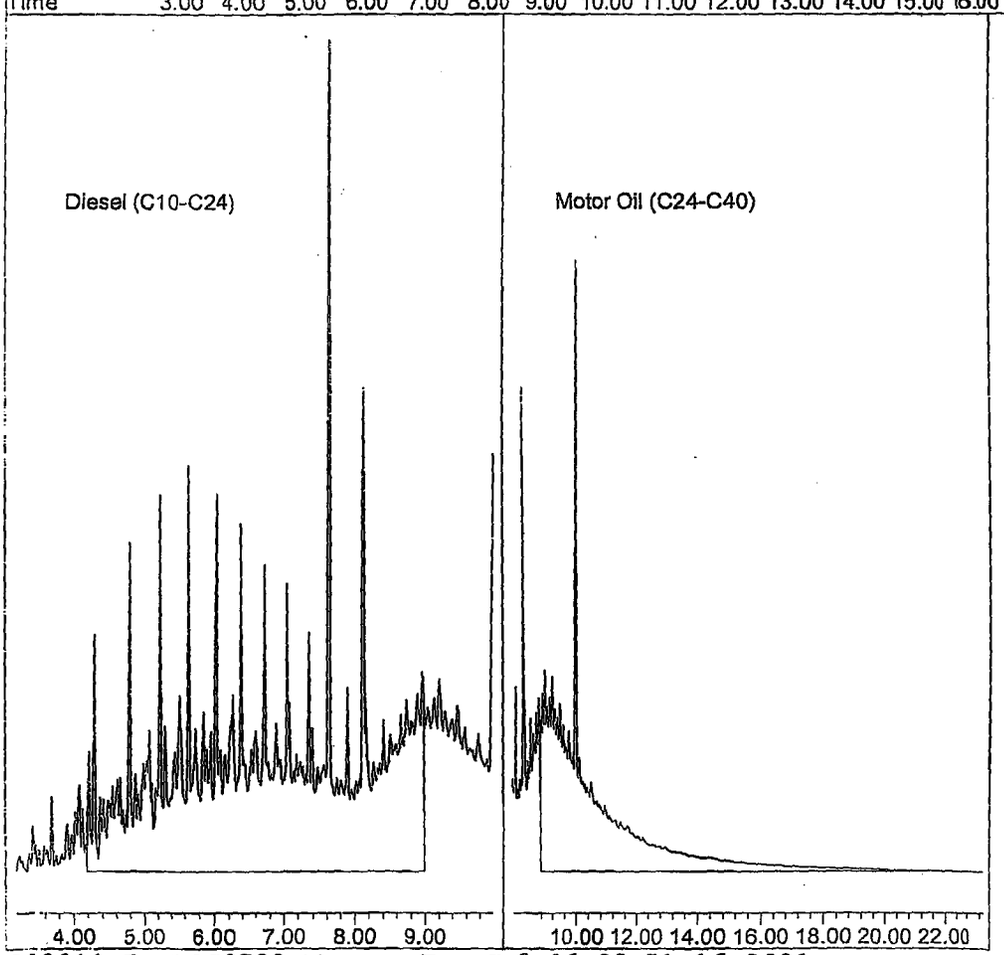
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.64	499899155	100.003 ppb
Surrogate Spike 30.000		Recovery =	333.34%
4) SA Octacosane(S)	10.01	341107264	101.937 ppb
Surrogate Spike 30.000		Recovery =	339.79%
Target Compounds			
1) HATM Diesel (C10-C24)	6.59	8559469801	1951.600 ppb
2) HBTM Motor Oil (C24-C40)	15.58	6216469170	2008.797 ppb

Target Compounds

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

Data File: G:\APOLLO\DATA\210702\702011.D
Sample : DMO STD-7 07/02/21





702011.D DOC0702.M Tue Jul 06 08:51:16 2021 Page 2

TPH Extractables
DOC0702

Form 7

Second Source Calibration

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

SDG No:
Date Analyzed: 07/02/21
Instrument: Apollo
Initial Cal. Date: 07/02/21
Data File: 702012.D

		Compound	MEAN	CCRF	%D		%Drift
1	HATM	Diesel (C10-C24)	2192940	2197080	0.19	HATM	
2	HBTM	Motor Oil (C24-C40)	1547310	1697380	9.7	HBTM	
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		Average			4.9		

Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\210702\702012.D Vial: 12
Acq On : 7-2-21 17:54:24 Operator: MB
Sample : DMO STD-SS 07/02/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Jul 6 8:49 2021 Quant Results File: DOC0702.RES

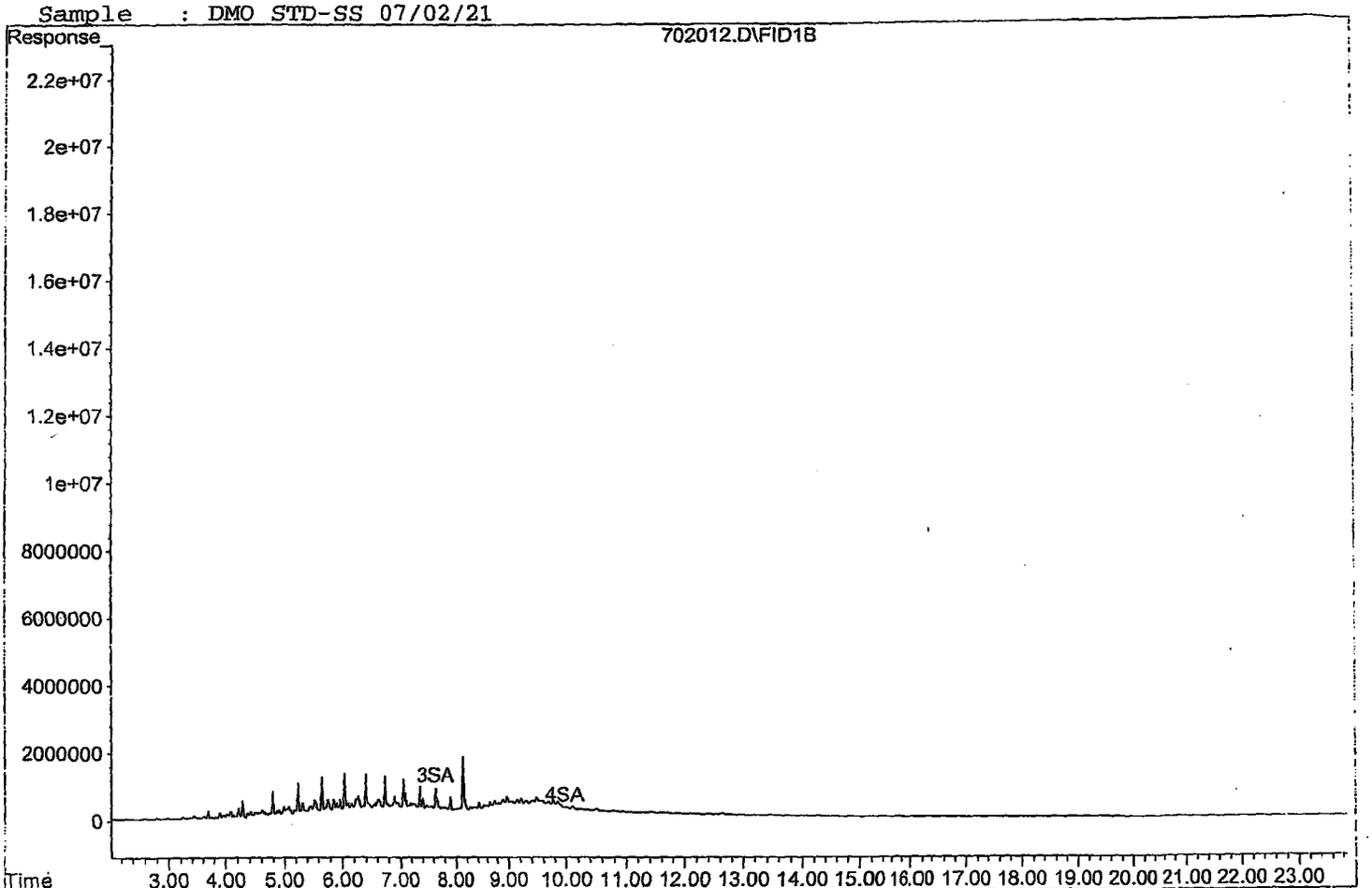
Method : G:\APOLLO\DATA\210702\DOC0702.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Tue Jul 06 08:45:30 2021
Response via : Multiple Level Calibration

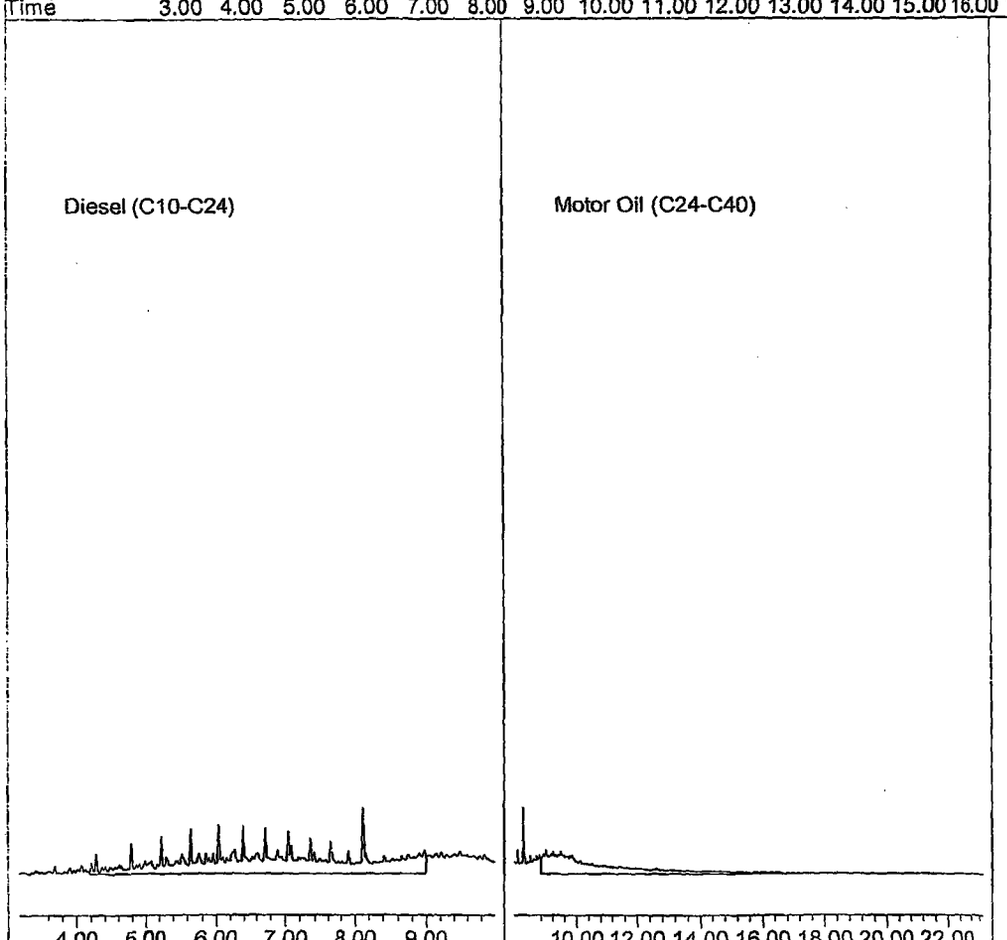
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.63	4247288	0.850 ppb
Surrogate Spike 30.000	Recovery =		2.83%
4) SA Octacosane(S)	9.97	108123	0.032 ppb
Surrogate Spike 30.000	Recovery =		0.11%
Target Compounds			
1) HATM Diesel (C10-C24)	6.59	1098540957	250.473 ppb
2) HBTM Motor Oil (C24-C40)	15.58	848692375	274.247 ppb
Target Compounds			

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

Data File: G:\APOLLO\DATA\210702\702012.D
Sample : DMO STD-SS 07/02/21





TPH Extractables
DOC0702

Form 7

Continuing Calibration

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

SDG No:
Date Analyzed: 7/29/2021
Instrument: Apollo
Initial Cal. Date: 7/2/2021
Data File: 727106.D

		Compound	MEAN	CCRF	%D	%Drift	
1	HATM	Diesel (C10-C24)	2192940	2401960	9.5	HATM	
2	HBTM	Motor Oil (C24-C40)	1547310	1706550	10	HBTM	
3	SA	Ortho-Terphenyl(S)	2499420	2837850	14	SA	
4	SA	Octacosane(S)	1673130	1865690	12	SA	
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		Average			11.4		

Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\210727\727106.D Vial: 6
Acq On : 7-29-21 18:46:24 Operator: KA
Sample : Diesel Motor Oil CCV-7/15/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Aug 7 8:17 2021 Quant Results File: DOC0702.RES

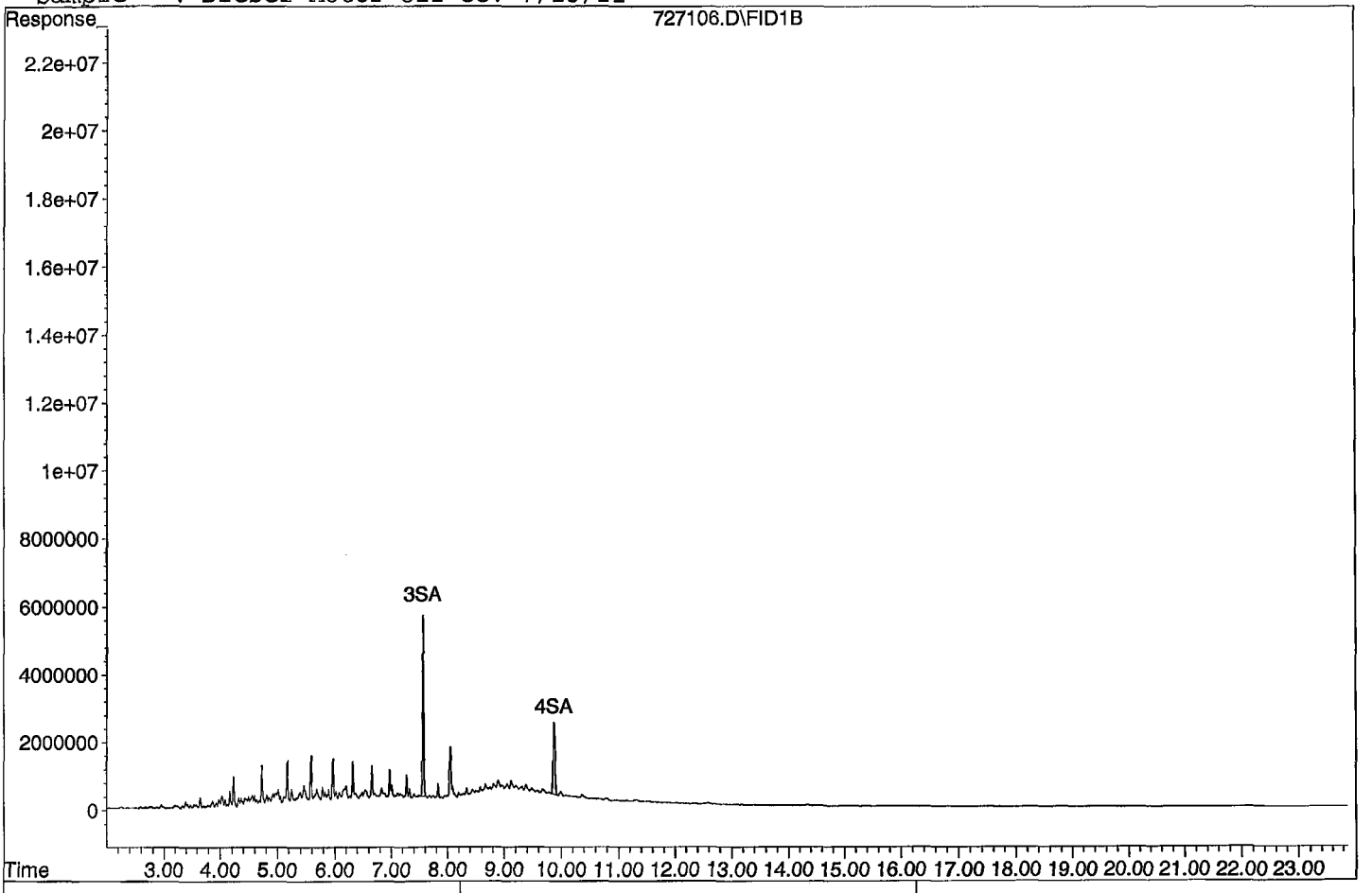
Method : G:\APOLLO\DATA\210808\DOC0702.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Mon Aug 09 15:46:59 2021
Response via : Multiple Level Calibration

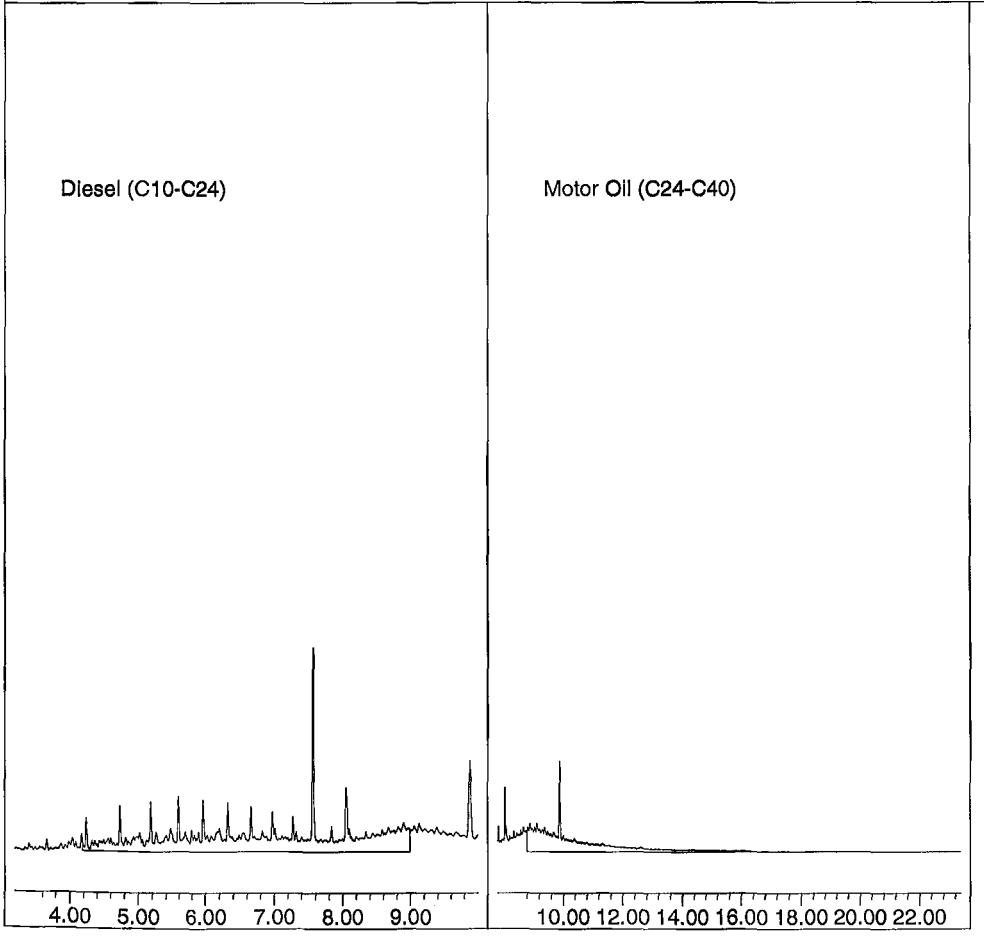
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.56	70946259	14.193 ppb
Surrogate Spike 30.000		Recovery =	47.31%
4) SA Octacosane(S)	9.87	46642374	13.939 ppb
Surrogate Spike 30.000		Recovery =	46.46%
Target Compounds			
1) HATM Diesel (C10-C24)	6.59	1200978532	273.829 ppb
2) HBTM Motor Oil (C24-C40)	15.58	853276992	275.729 ppb
Target Compounds			

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

Data File: G:\APOLLO\DATA\210727\727106.D
Sample : Diesel Motor Oil CCV-7/15/21





TPH Extractables
DOC0702

Form 7

Continuing Calibration

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

SDG No:
Date Analyzed: 7/29/2021
Instrument: Apollo
Initial Cal. Date: 7/2/2021
Data File: 727114.D

		Compound	MEAN	CCRF	%D		%Drift
1	HATM	Diesel (C10-C24)	2192940	2373760	8.2	HATM	
2	HBTM	Motor Oil (C24-C40)	1547310	1660990	7.3	HBTM	
3	SA	Ortho-Terphenyl(S)	2499420	2864760	15	SA	
4	SA	Octacosane(S)	1673130	1832090	9.5	SA	
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		Average			10.0		

Quantitation Report (Not Reviewed)

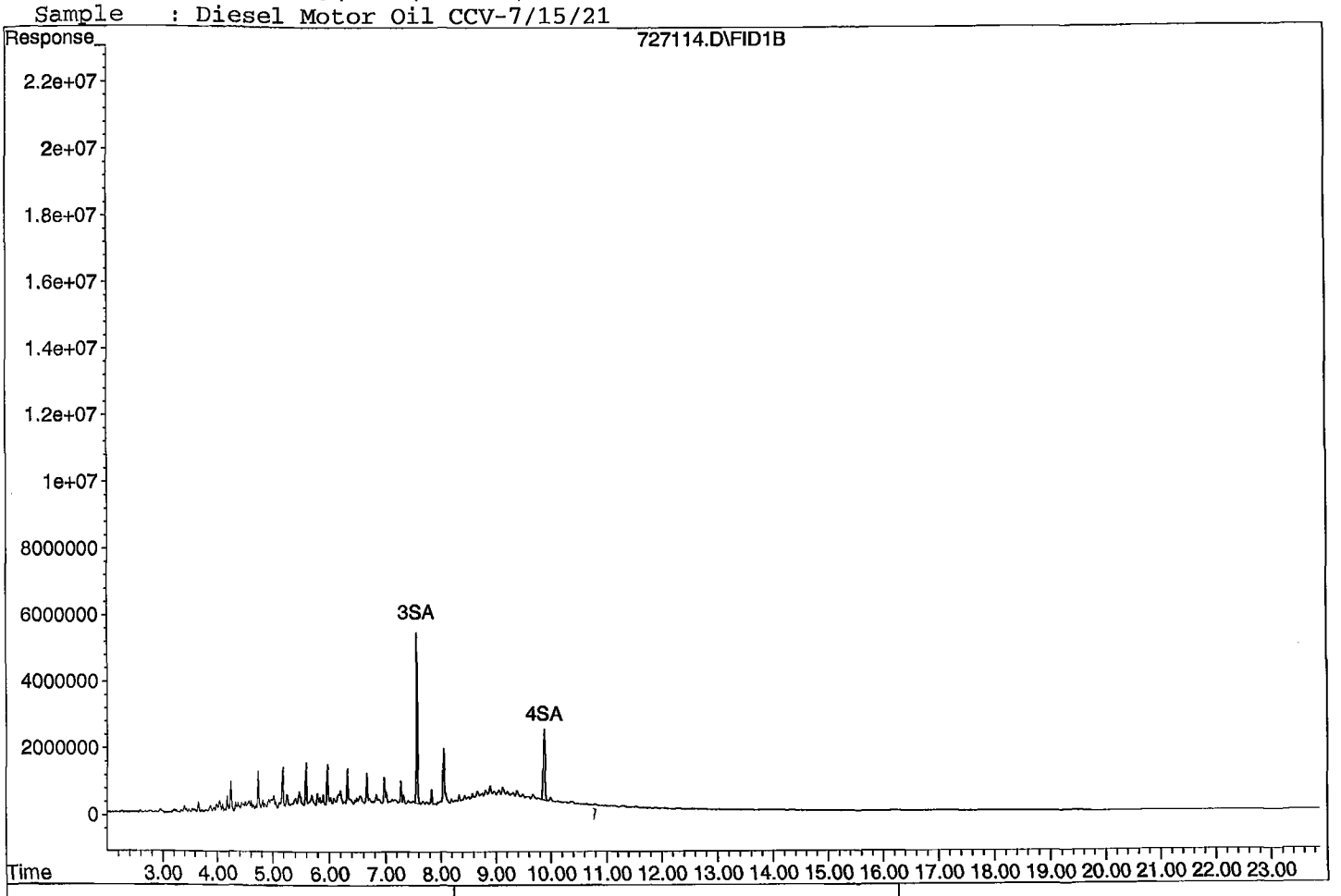
Data File : G:\APOLLO\DATA\210727\727114.D Vial: 14
Acq On : 7-29-21 22:33:30 Operator: KA
Sample : Diesel Motor Oil CCV-7/15/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Aug 7 8:18 2021 Quant Results File: DOC0702.RES

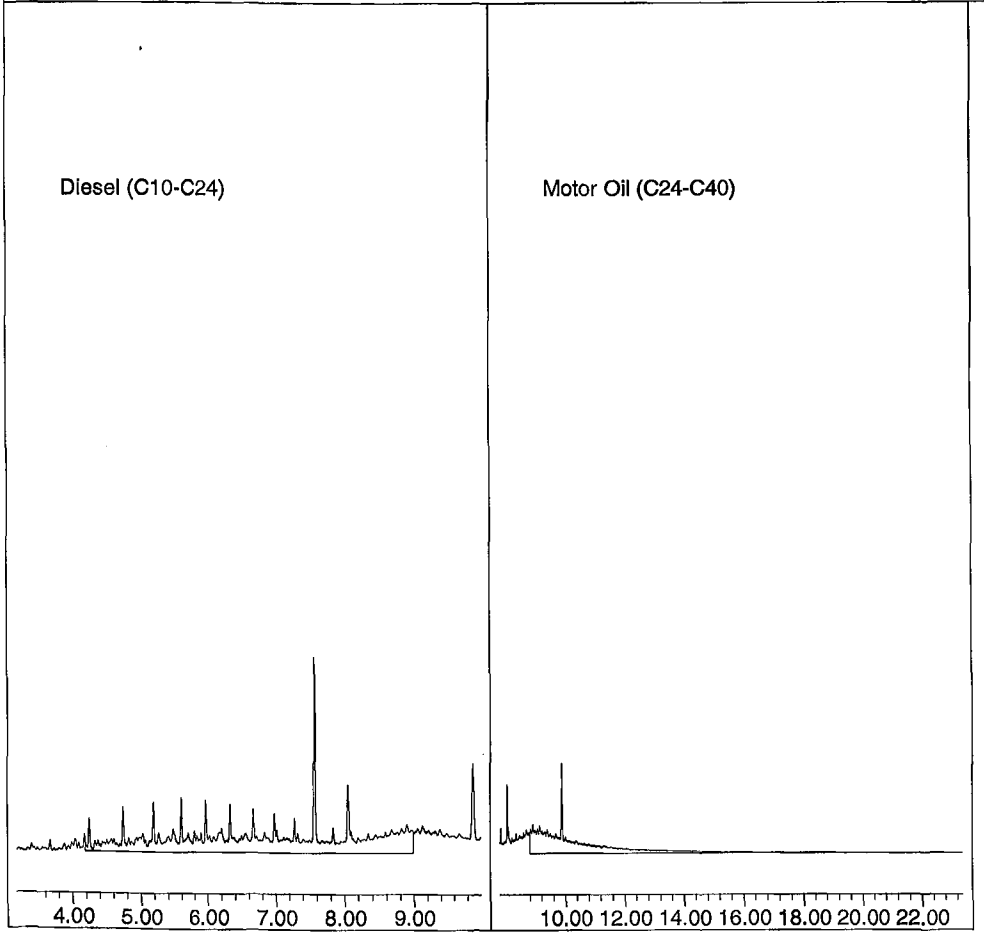
Method : G:\APOLLO\DATA\210808\DOC0702.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Mon Aug 09 15:46:59 2021
Response via : Multiple Level Calibration

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

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.56	71618975	14.327 ppb
Surrogate Spike 30.000		Recovery =	47.76%
4) SA Octacosane(S)	9.88	45802186	13.688 ppb
Surrogate Spike 30.000		Recovery =	45.63%
Target Compounds			
1) HATM Diesel (C10-C24)	6.59	1186878937	270.614 ppb
2) HBTM Motor Oil (C24-C40)	15.58	830494739	268.367 ppb
Target Compounds			

Data File: G:\APOLLO\DATA\210727\727114.D
Sample : Diesel Motor Oil CCV-7/15/21





ORGANICS

Raw Data

Quantitation Report (Not Reviewed)

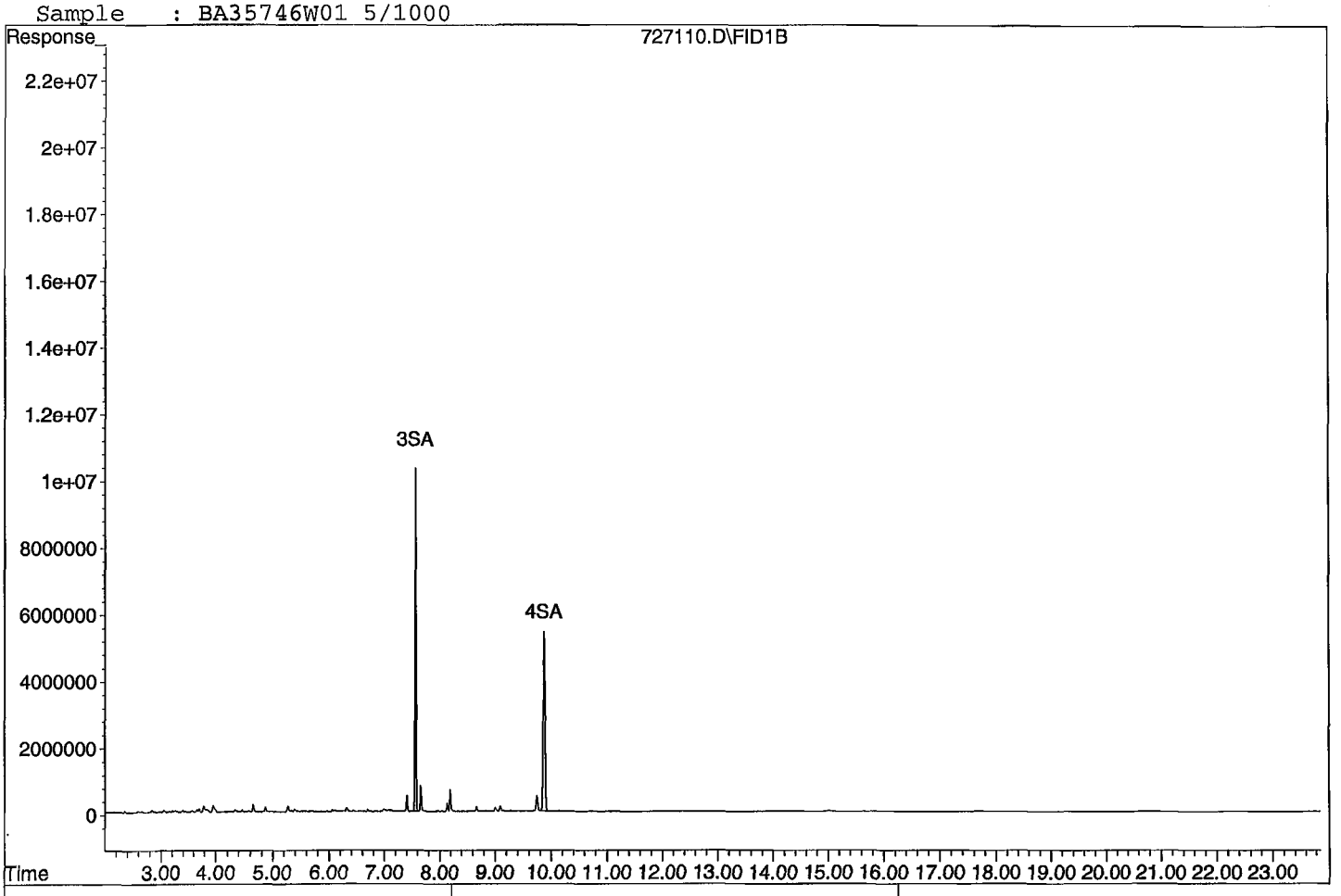
Data File : G:\APOLLO\DATA\210727\727110.D Vial: 10
Acq On : 7-29-21 20:40:04 Operator: KA
Sample : BA35746W01 5/1000 Inst : Apollo
Misc : water Multiplr: 5.00
IntFile : events.e
Quant Time: Aug 7 8:18 2021 Quant Results File: DOC0702.RES

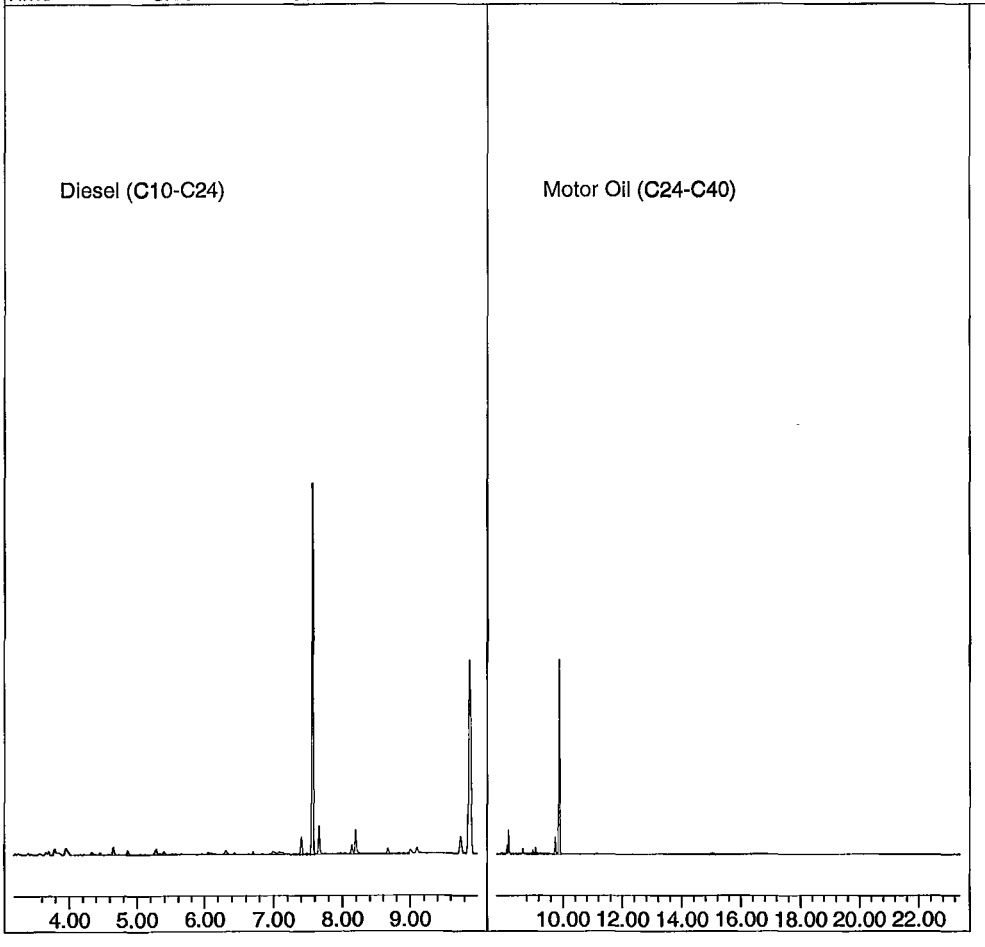
Method : G:\APOLLO\DATA\210808\DOC0702.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Mon Aug 09 15:46:59 2021
Response via : Multiple Level Calibration

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

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.57	130487416	130.518 ppb
Surrogate Spike 150.000		Recovery =	87.01%
4) SA Octacosane(S)	9.88	121009522	180.813 ppb
Surrogate Spike 150.000		Recovery =	120.54%
Target Compounds			
1) HATM Diesel (C10-C24)	6.59	98018738	111.744 ppb
2) HBTM Motor Oil (C24-C40)	15.58	45412186	73.373 ppb
Target Compounds			

Data File: G:\APOLLO\DATA\210727\727110.D
Sample : BA35746W01 5/1000





Quantitation Report (Not Reviewed)

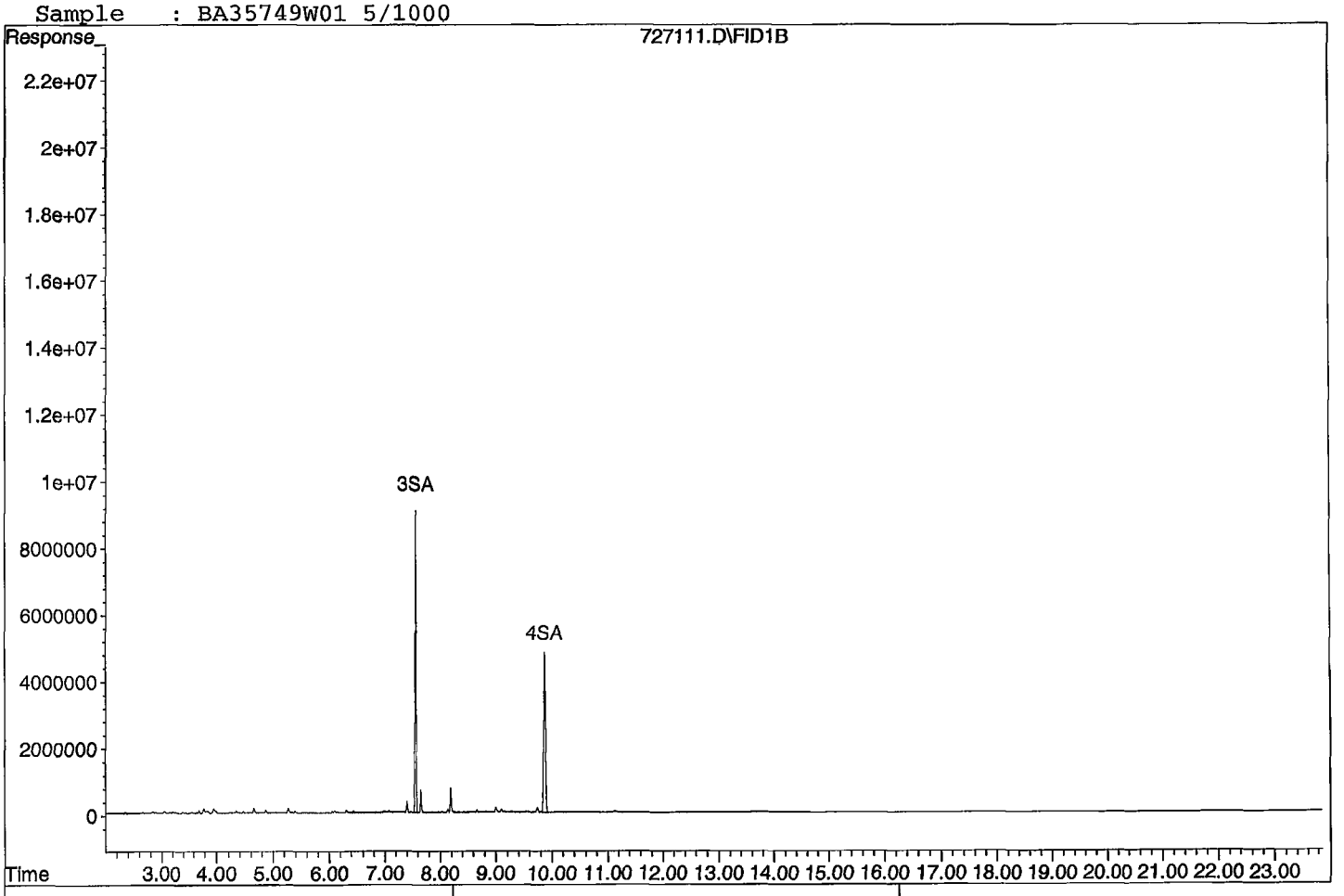
Data File : G:\APOLLO\DATA\210727\727111.D Vial: 11
Acq On : 7-29-21 21:08:25 Operator: KA
Sample : BA35749W01 5/1000 Inst : Apollo
Misc : water Multiplr: 5.00
IntFile : events.e
Quant Time: Aug 7 8:18 2021 Quant Results File: DOC0702.RES

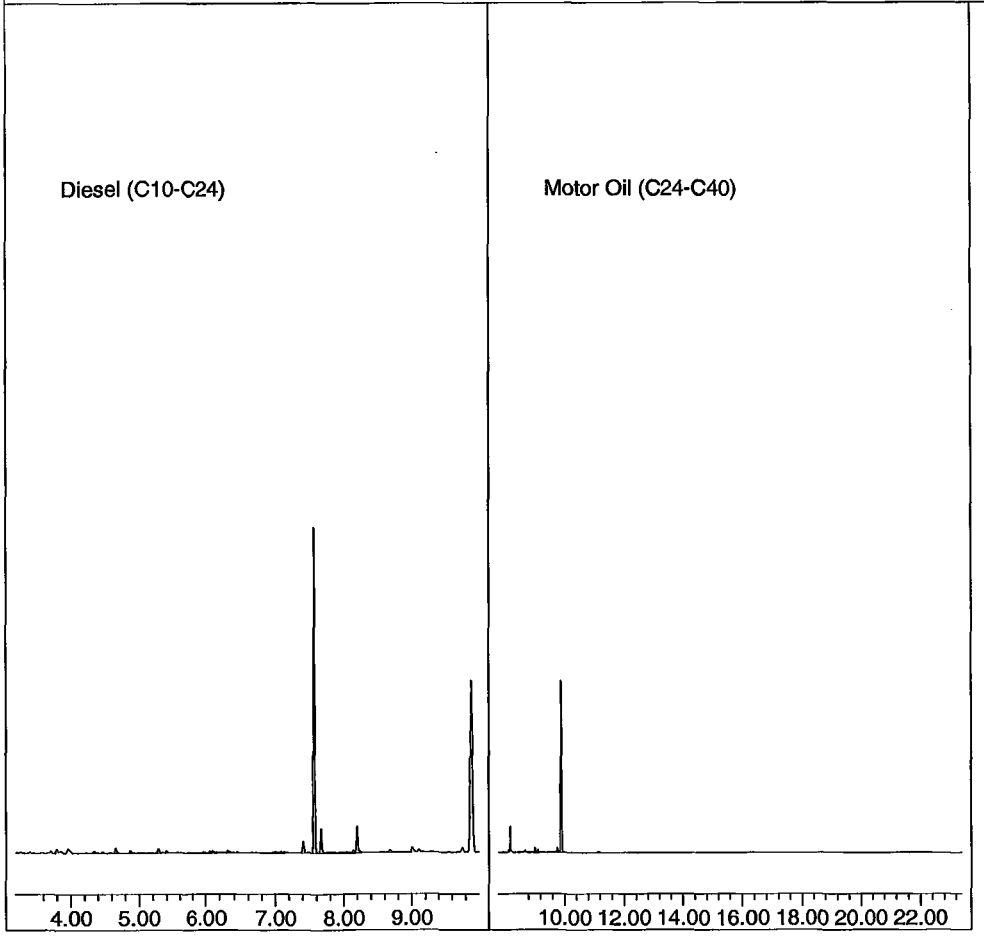
Method : G:\APOLLO\DATA\210808\DOC0702.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Mon Aug 09 15:46:59 2021
Response via : Multiple Level Calibration

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

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.57	113749028	113.775 ppb
Surrogate Spike 150.000		Recovery =	75.85%
4) SA Octacosane(S)	9.88	105976377	158.350 ppb
Surrogate Spike 150.000		Recovery =	105.57%
Target Compounds			
1) HATM Diesel (C10-C24)	6.59	81794330	93.248 ppb
2) HBTM Motor Oil (C24-C40)	15.58	35284753	57.010 ppb
Target Compounds			

Data File: G:\APOLLO\DATA\210727\727111.D
Sample : BA35749W01 5/1000





Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\210727\727112.D Vial: 12
Acq On : 7-29-21 21:36:48 Operator: KA
Sample : BA35751W01 5/1000 Inst : Apollo
Misc : water Multiplr: 5.00
IntFile : events.e
Quant Time: Aug 7 8:18 2021 Quant Results File: DOC0702.RES

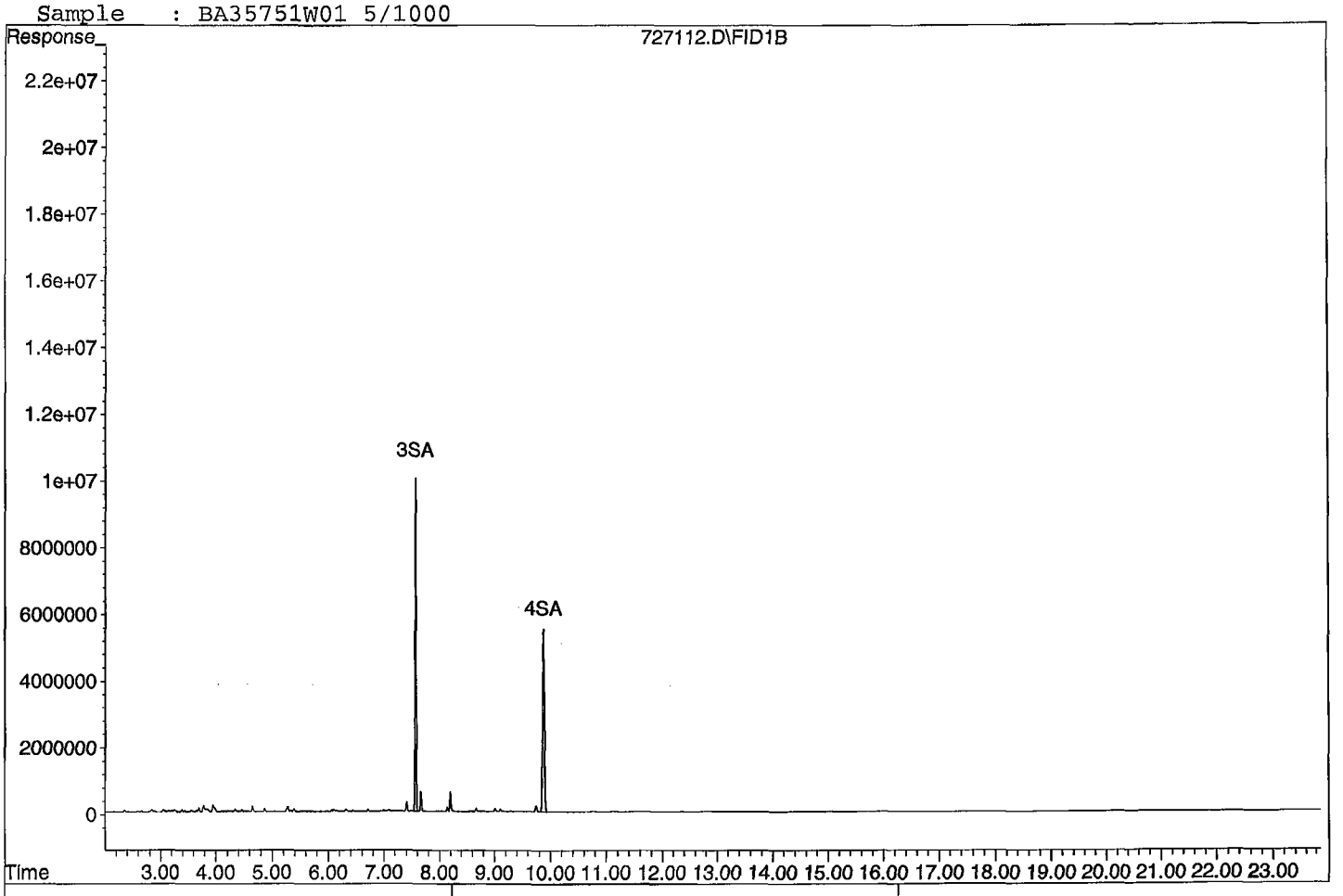
Method : G:\APOLLO\DATA\210808\DOC0702.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Mon Aug 09 15:46:59 2021
Response via : Multiple Level Calibration

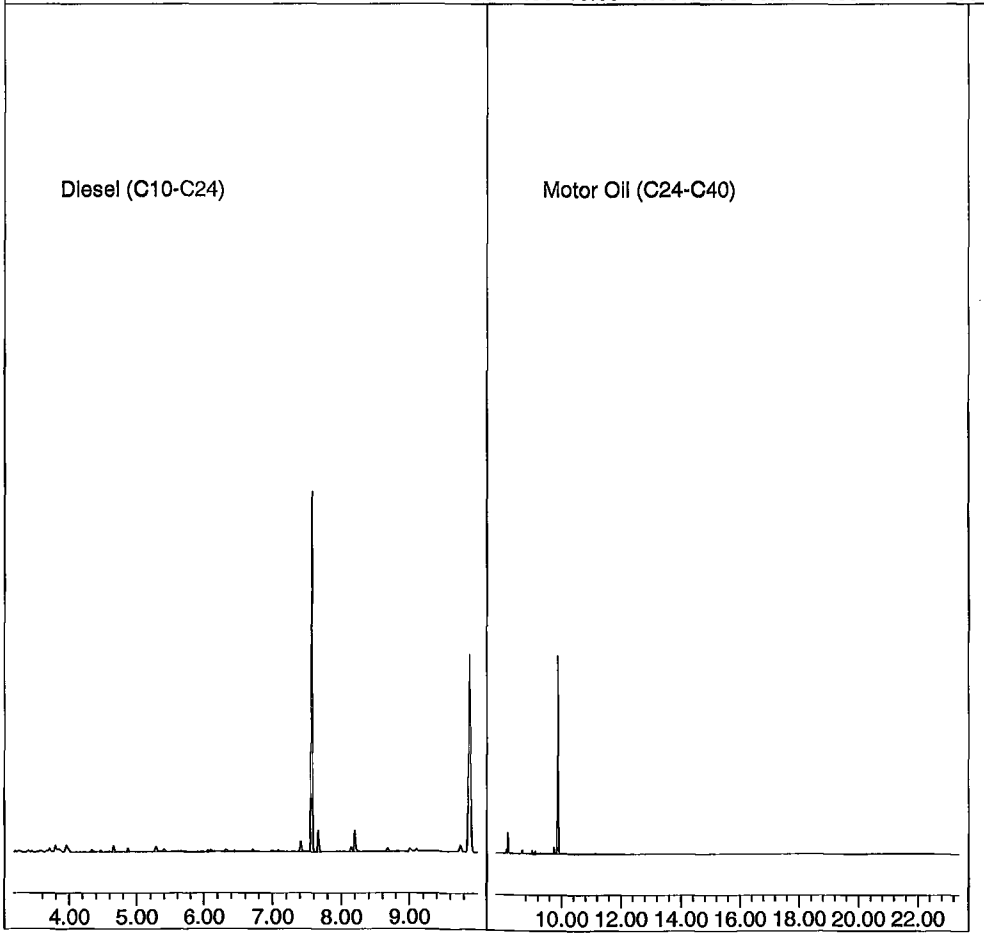
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.57	123239327	123.268 ppb
Surrogate Spike 150.000		Recovery =	82.18%
4) SA Octacosane(S)	9.88	114525008	171.123 ppb
Surrogate Spike 150.000		Recovery =	114.08%
Target Compounds			
1) HATM Diesel (C10-C24)	6.59	80702485	92.003 ppb
2) HBTM Motor Oil (C24-C40)	15.58	32914220	53.180 ppb
Target Compounds			

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

Data File: G:\APOLLO\DATA\210727\727112.D
Sample : BA35751W01 5/1000





Quantitation Report (Not Reviewed)

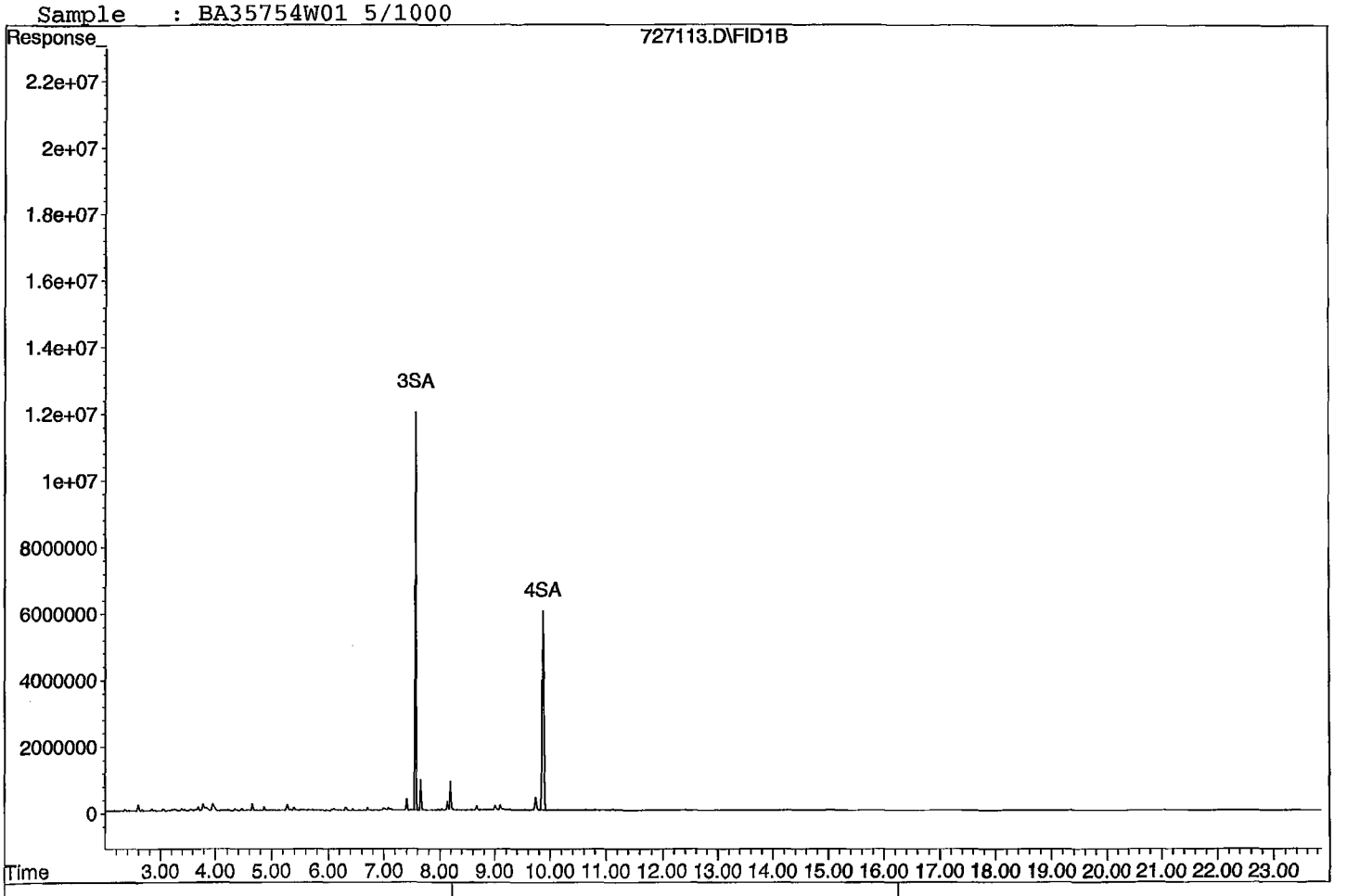
Data File : G:\APOLLO\DATA\210727\727113.D Vial: 13
Acq On : 7-29-21 22:05:11 Operator: KA
Sample : BA35754W01 5/1000 Inst : Apollo
Misc : water Multiplr: 5.00
IntFile : events.e
Quant Time: Aug 7 8:18 2021 Quant Results File: DOC0702.RES

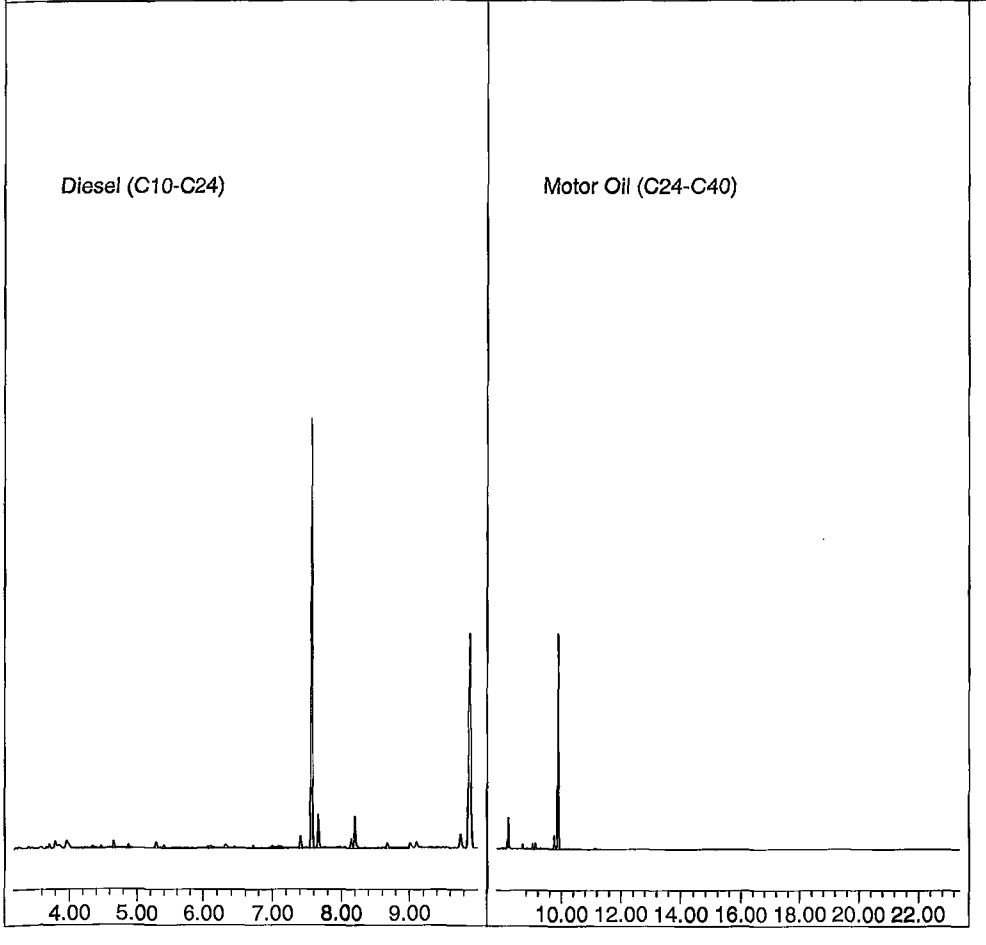
Method : G:\APOLLO\DATA\210808\DOC0702.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Mon Aug 09 15:46:59 2021
Response via : Multiple Level Calibration

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

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.57	140775496	140.808 ppb
Surrogate Spike 150.000		Recovery =	93.87%
4) SA Octacosane(S)	9.88	131125916	195.929 ppb
Surrogate Spike 150.000		Recovery =	130.62%
Target Compounds			
1) HATM Diesel (C10-C24)	6.59	102093447	116.389 ppb
2) HBTM Motor Oil (C24-C40)	15.58	51088689	82.544 ppb
Target Compounds			

Data File: G:\APOLLO\DATA\210727\727113.D
Sample : BA35754W01 5/1000





Quantitation Report (QT Reviewed)

Data File : G:\APOLLO\DATA\210727\727107.D Vial: 7
Acq On : 7-29-21 19:14:48 Operator: KA
Sample : 210713B BLK 5/1000 Inst : Apollo
Misc : water Multiplr: 5.00
IntFile : events.e
Quant Time: Sep 18 9:30 2021 Quant Results File: DOC0702.RES

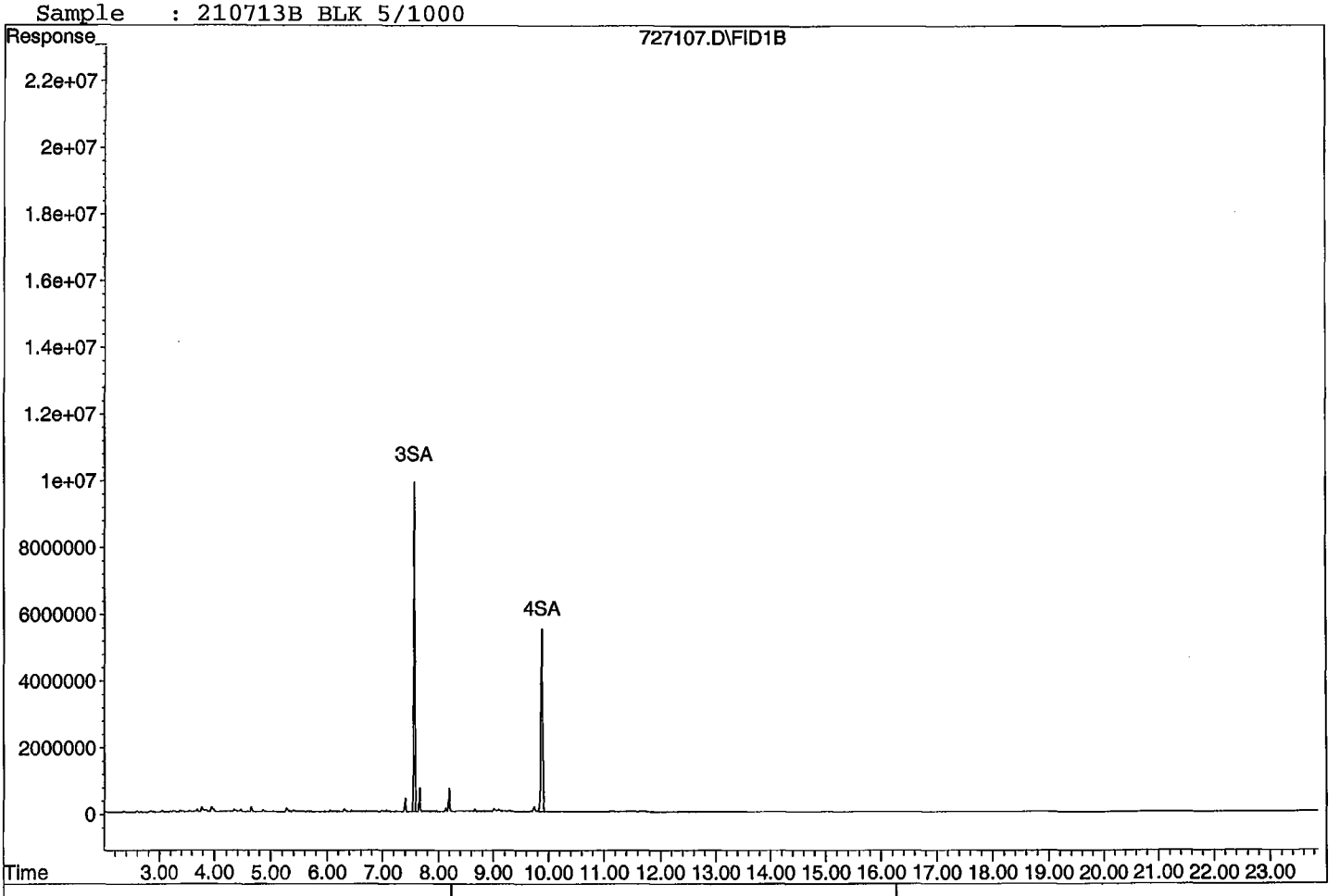
Method : G:\APOLLO\DATA\210808\DOC0702.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Mon Aug 09 15:46:59 2021
Response via : Multiple Level Calibration

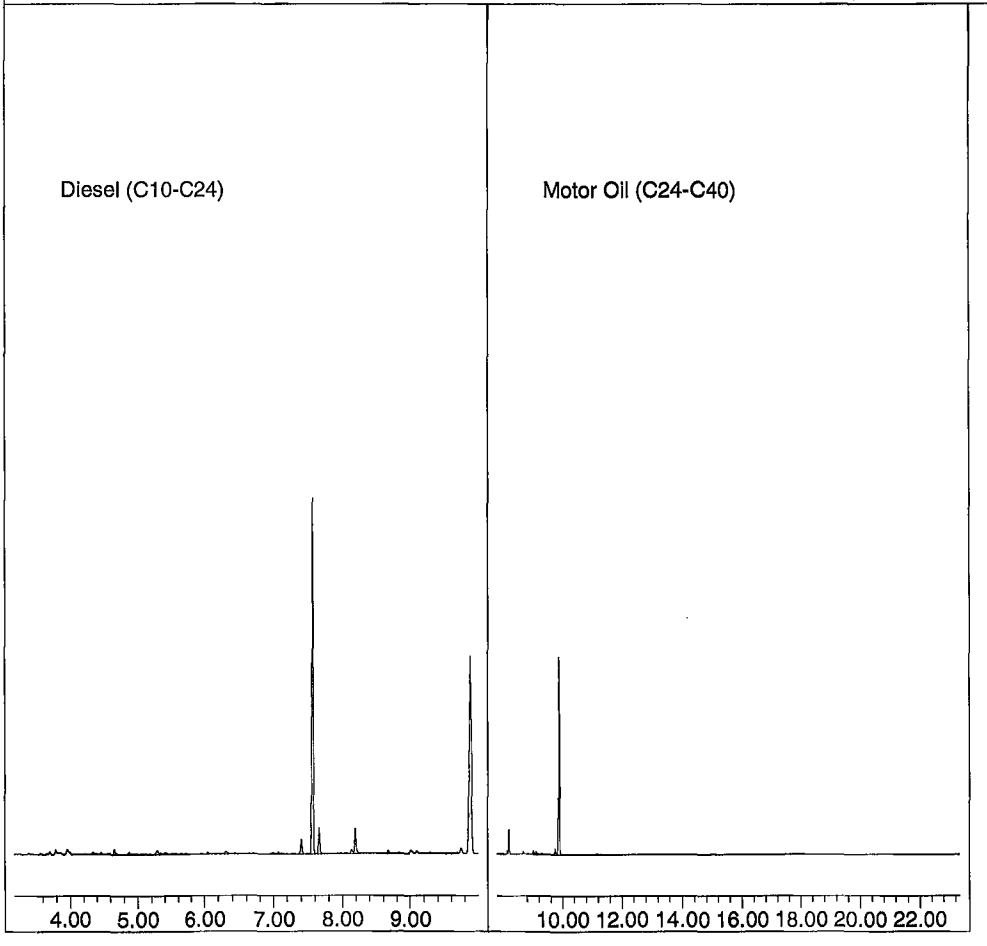
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.57	123578005	123.607 ppb
Surrogate Spike 150.000		Recovery =	82.40%
4) SA Octacosane(S)	9.88	115955780	173.261 ppb
Surrogate Spike 150.000		Recovery =	115.51%
Target Compounds			
1) HATM Diesel (C10-C24)	6.59	63603984	72.510 ppb
2) HBTM Motor Oil (C24-C40)	15.58	36727525	59.341 ppb
Target Compounds			

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

Data File: G:\APOLLO\DATA\210727\727107.D
Sample : 210713B BLK 5/1000





Quantitation Report (QT Reviewed)

Data File : G:\APOLLO\DATA\210727\727108.D Vial: 8
Acq On : 7-29-21 19:43:14 Operator: KA
Sample : 210713B LCS-1 5/1000 Inst : Apollo
Misc : water Multiplr: 5.00
IntFile : events.e
Quant Time: Sep 18 9:31 2021 Quant Results File: DOC0702.RES

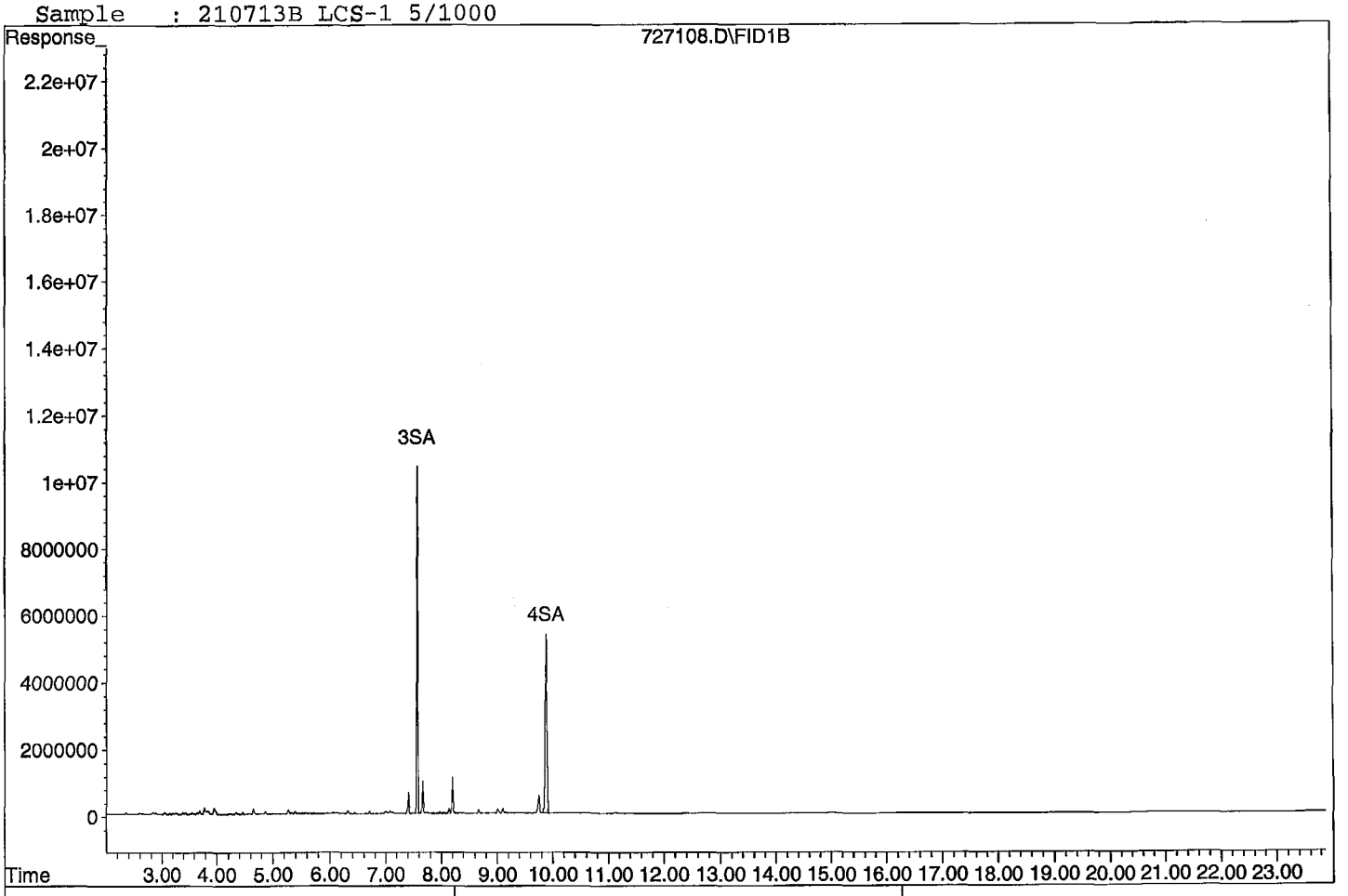
Method : G:\APOLLO\DATA\210808\DOC0702.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Mon Aug 09 15:46:59 2021
Response via : Multiple Level Calibration

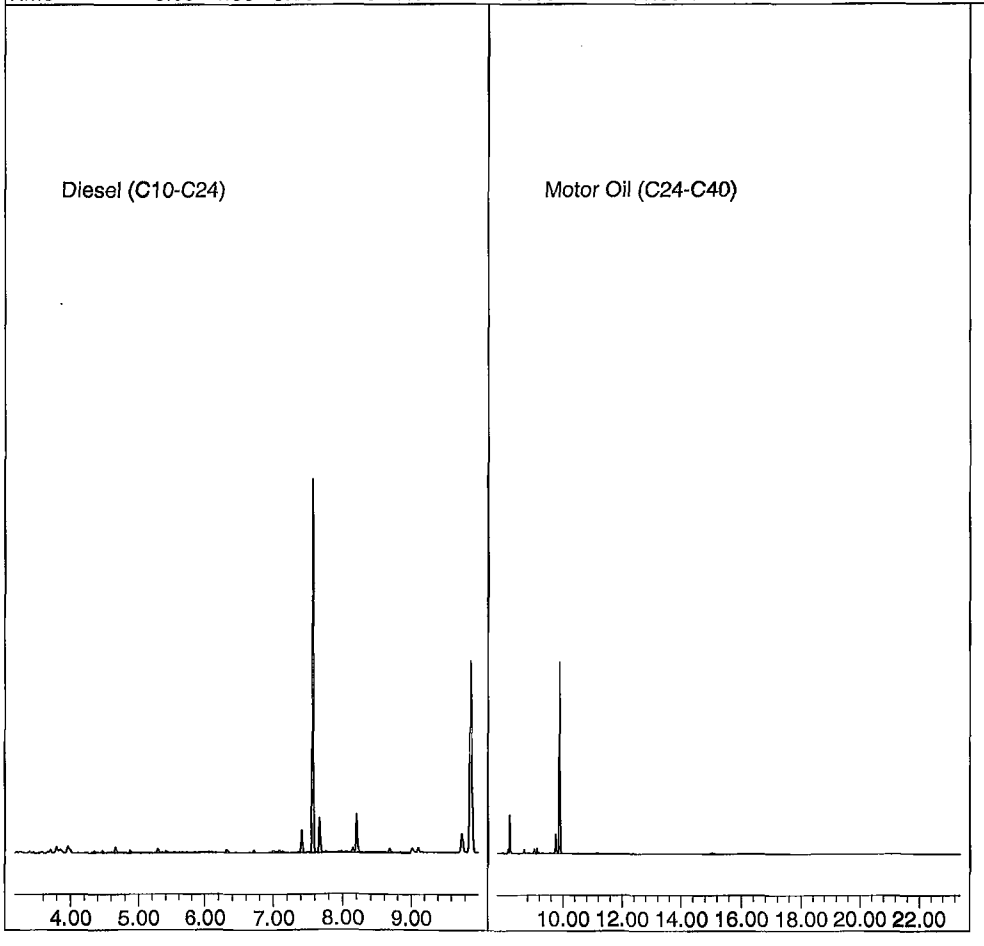
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.57	125386894	125.416 ppb
Surrogate Spike 150.000		Recovery =	83.61%
4) SA Octacosane(S)	9.88	116607274	174.235 ppb
Surrogate Spike 150.000		Recovery =	116.16%
Target Compounds			
1) HATM Diesel (C10-C24)	6.59	88585483	100.990 ppb
2) HBTM Motor Oil (C24-C40)	15.58	50644357	81.826 ppb

Target Compounds

Data File: G:\APOLLO\DATA\210727\727108.D
Sample : 210713B LCS-1 5/1000





Quantitation Report (Not Reviewed)

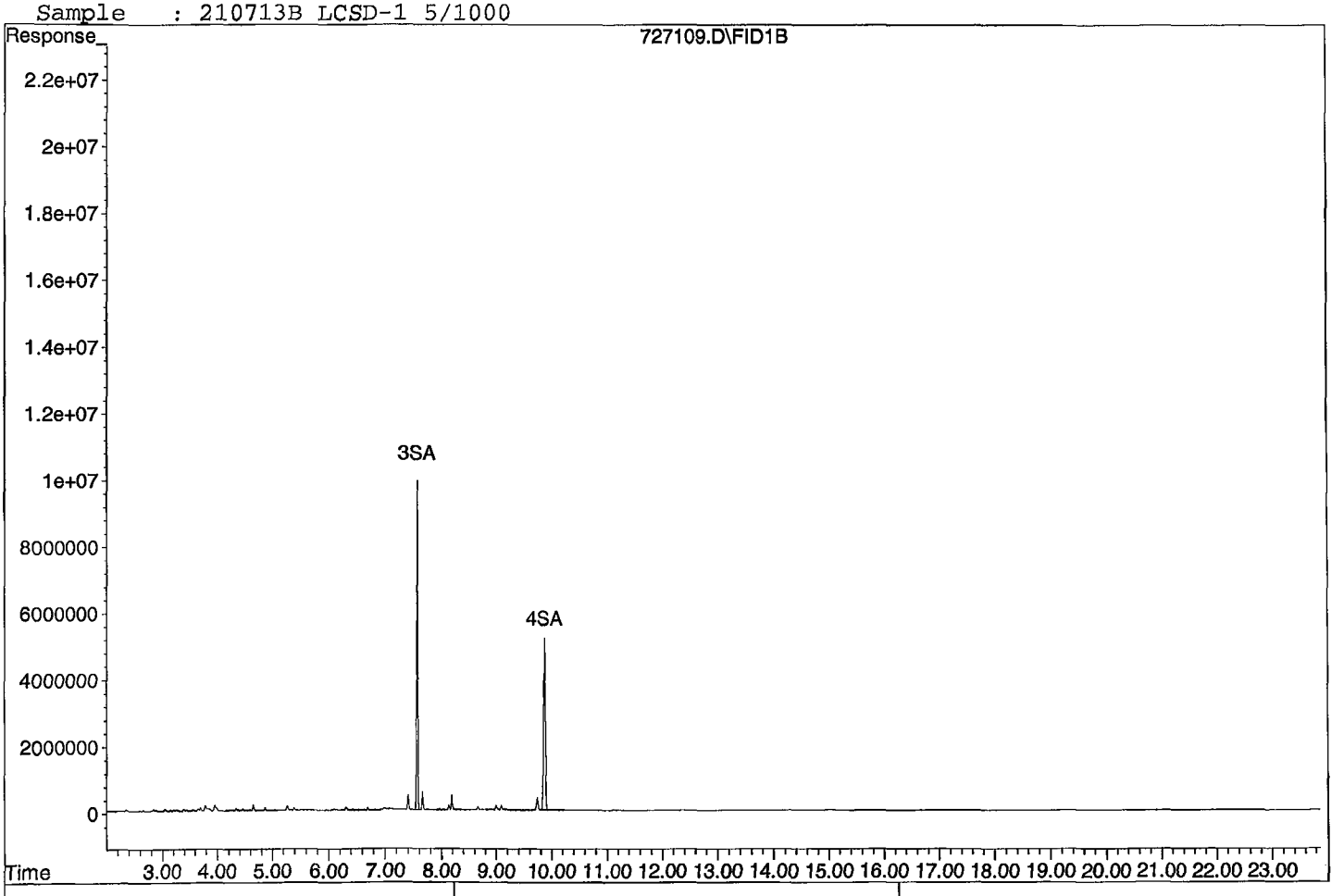
Data File : G:\APOLLO\DATA\210727\727109.D Vial: 9
Acq On : 7-29-21 20:11:40 Operator: KA
Sample : 210713B LCSD-1 5/1000 Inst : Apollo
Misc : water Multiplr: 5.00
IntFile : events.e
Quant Time: Aug 7 8:18 2021 Quant Results File: DOC0702.RES

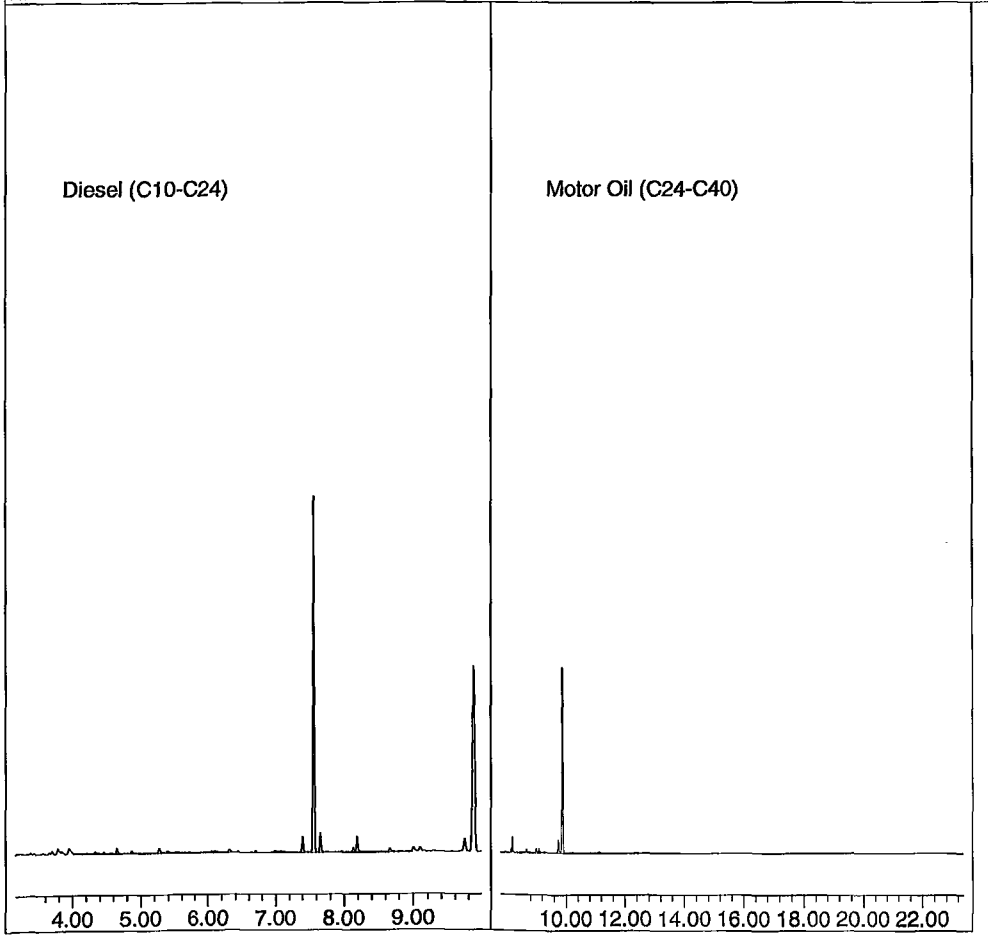
Method : G:\APOLLO\DATA\210808\DOC0702.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Mon Aug 09 15:46:59 2021
Response via : Multiple Level Calibration

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

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.57	124002125	124.031 ppb
Surrogate Spike 150.000		Recovery =	82.69%
4) SA Octacosane(S)	9.88	116758779	174.461 ppb
Surrogate Spike 150.000		Recovery =	116.31%
Target Compounds			
1) HATM Diesel (C10-C24)	6.59	80722991	92.026 ppb
2) HBTM Motor Oil (C24-C40)	15.58	46800865	75.616 ppb
Target Compounds			

Data File: G:\APOLLO\DATA\210727\727109.D
Sample : 210713B LCSD-1 5/1000





Name of Final Standard	THC Surrogate	Prep'd By (Initials)	LS (KY)
Prep Date	07/01/21		
Exp Date	07/01/22		

Initial Standard Information						Final Standard Information				
Name of Initial Standard (QAU Label)	Supplier	Supplier Part No.	Conc.(mg/L))	Lot # with QA # (or reference to APPL prep date)	EXP DATE (1Yr)	Exp Date (Manufacturer)	Aliquot from Stock	Final Volume	Final Solvent + Lot# (or APPL Prep Date)	Final Standard Conc (range)
O-terphenyl/ Octacosane Mix	Phhenova	ALO-130161	600 mg/L	CL15902-52325	07/01/22	10/31/25	NA	NA	NA	600 mg/L

Name of Final Standard	Diesel Motor Oil Standard
Prep Date	06/30/21
Exp Date	06/30/21
MC	

MB

Initial Standard Information						Final Standard Information			
Name of Standard	Supplier	Supplier P/N# (or APPL Mix Name)	Conc.(ug/mL)	Lot # QA Number	Exp. Date	Aliquot from Stock	Final Volume	solvent	Final Standard Conc (range)
Diesel Fuel #2	Restek	31258	50,000	A0164485-52484	46,691	400 uL	10 mL	MC	2000 ug/mL
Motor Oil	Restek	31464	50,000	A0166510-52488	46,752	400 uL	10 mL	MC	2000 ug/mL
THC Surrogate	Phenova	ALO-130161	600	CL15902-51797	10/31/25	1666uL	10 mL	MC	100 ug/mL

Diesel Motor Oil Calibration Curve

Prep'd By (Initials) MB

Prep Date	07/02/21
Exp Date	07/02/22

						Final Standard Information			
Name of Initial Standard (from contianer Label)	Supplier	Supplier P/N# (or APPL Mix Name)	Conc. (ug/mL)	Lot # with QA # (or reference to APPL prep date)	Exp Date	Aliquot from Stock	Final Volume	Solvent	Final Standard Conc (ug/mL)
Diesel Motor Oil Calibration STD -2	AAPL	Diesel /Motor Oil 1	10	**04/21/21**	**05/06/22**	100 uL	200 uL	**MC**	5
Diesel Motor Oil Calibration STD-3	AAPL	Diesel /Motor Oil 2	50	**04/21/21**	**05/06/22**	200 uL	1 mL	**MC**	10
Diesel Motor Oil Calibration STD	Restek	Diesel /Motor Oil 3	2000	**04/21/21**	**05/06/22**	25 uL	1mL	**MC**	50
Diesel Motor Oil Calibration STD	Restek	Diesel /Motor Oil 4	2000	**04/21/21**	**05/06/22**	125 uL	1mL	**MC**	250
Diesel Motor Oil Calibration STD	Restek	Diesel /Motor Oil 5	2000	**04/21/21**	**05/06/22**	500 uL	1 mL	**MC**	1000
Diesel Motor Oil Calibration STD	Restek	Diesel /Motor Oil 6	2000	**04/21/21**	**05/06/22**	750 uL	1 mL	**MC**	1500
Diesel Motor Oil Calibration STD	Restek	Diesel /Motor Oil 7	2000	**04/21/21**	**05/06/22**	100uL	100 uL	**MC**	2000

Diesel Motor Oil CCV

Prepared By (Initials): MB

Prep Date	06/30/21
Exp Date	06/30/21
Methylene Chloride Lot No.	59353

Initial Standard Information						Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	APPL Mix name	Conc.(ug/mL)	Reference to APPL Prep Date and Lot #'s	Exp Date	Aliquot from Stock	Final Volume	Solvent	Final Standard Conc (ug/mL)
Diesel-Motor Oil Standard	Restek	Diesel Motor Oil CCV	2000	Perp'd: 09/05/20 A0156490-156569-51860, A0155668-160024-51534, CL15440-500953	06/30/25	1250 uL	10mL	MC	250

Diesel Motor Oil Mix

Prepared: 06/28/21

Expires: 06/28/22

Prepared By (Initials): MB

Initial Standard Information							Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	Supplier Part No.	Conc. (ug/mL)	Lot Number - QA Number	Exp. Date (1 yr.)	Exp. Date (Manufacturer)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/mL)
Diesel Fuel #2	Restek	31258	50,000	A0164485-52482,52484,52483, 52480	06/28/22	02/28/27	4.00 mL	8.0 mL	NA	25,000
Motor Oil Composite	Restek	31464	50,000	A0166510-52485,52486.52487, 52484	06/28/22	09/30/27	4.00 mL			25,000

Organic Extraction Worksheet

Method	Continuous Liq/Liq TPH-Diesel/MO 3520C	Extraction Set	210713B	Extraction Method	LIQ005	Units	mL

Spiked ID 1			Surrogate ID 1	THC Surrogate 7-6-21 7-6-22	
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:	07/13/21 11:35	
Spiked ID 8			Ext. End Time:	07/14/21 6:50	
			GC Requires Extract By:		

pH1	2	07/13/21 7:35	Water Bath Temp 1 °C	41/40.1 °C
pH2			Water Bath Temp 2 °C	35/36.1
pH3			Water Bath Temp 3 °C	33/32.5 °C

Spiked By: YL **Date** 7/13/2021 **Witnessed By:** NM **Date** 7/13/2021

	Sample	Sample Container	Spike Amount	Spike ID	Surrogate Amount	Surrogate ID	Extract Amount	Final Volume	pH	Extract Date/Time	Comments
1	210713B Blk				0.250	1	1000	5	2	07/13/21 9:20	
						equip	E-HP3 E-WB1				
2	210713B LCS-1				0.250	1	1000	5	2	07/13/21 9:20	
						equip	E-HP4 E-WB2				
3	210713B LCSD-1				0.250	1	1000	5	2	07/13/21 9:20	
						equip	E-HP6 E-WB3				
4	BA35746	BA35746W01			0.250	1	1000	5	2	07/13/21 9:20	96778
						equip	E-HP7 E-WB2				
5	BA35749	BA35749W01			0.250	1	1000	5	2	07/13/21 9:20	96778
						equip	E-HP8 E-WB3				
6	BA35751	BA35751W01			0.250	1	1000	5	2	07/13/21 9:20	96778
						equip	E-HP9 E-WB2				
7	BA35754	BA35754W01			0.250	1	1000	5	2	07/13/21 9:20	96778
						equip	E-HP10 E-WB3				

Solvent and Lot#	
1+1 HCL (5mLs)	60282
PH Strips	HC148594
Dicholormethane	60338
Filter Paper	400181
Sodium Sulfate	2020120870

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

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

Modified	7/14/2021 2:27:49 PM

Reviewed By: KY **Date** 7/14/2021

Injection Log

Directory: G:\APOLLO\DATA\210702\

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	5	702005.D	1	DMO STD-1 07/02/21	water	7-2-21 14:35:23
2	6	702006.D	1	DMO STD-2 07/02/21	water	7-2-21 15:03:41
3	7	702007.D	1	DMO STD-3 07/02/21	water	7-2-21 15:32:00
4	8	702008.D	1	DMO STD-4 07/02/21	water	7-2-21 16:01:03
5	9	702009.D	1	DMO STD-5 07/02/21	water	7-2-21 16:29:22
6	10	702010.D	1	DMO STD-6 07/02/21	water	7-2-21 16:57:44
7	11	702011.D	1	DMO STD-7 07/02/21	water	7-2-21 17:26:03
8	12	702012.D	1	DMO STD-SS 07/02/21	water	7-2-21 17:54:24
9	6	727106.D	1	Diesel Motor Oil CCV-7/15/21	water	7-29-21 18:46:24
10	7	727107.D	5	210713B BLK 5/1000	water	7-29-21 19:14:48
11	8	727108.D	5	210713B LCS-1 5/1000	water	7-29-21 19:43:14
12	9	727109.D	5	210713B LCSD-1 5/1000	water	7-29-21 20:11:40
13	10	727110.D	5	BA35746W01 5/1000	water	7-29-21 20:40:04
14	11	727111.D	5	BA35749W01 5/1000	water	7-29-21 21:08:25
15	12	727112.D	5	BA35751W01 5/1000	water	7-29-21 21:36:48
16	13	727113.D	5	BA35754W01 5/1000	water	7-29-21 22:05:11
17	14	727114.D	1	Diesel Motor Oil CCV-7/15/21	water	7-29-21 22:33:30

ORGANICS

Calibration Data

PAH by GCMS SIM
EPA 8270 SIM

Form 6
Initial Calibration

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

			0715L004.D	0715L005.D	0715L006.D	0715L007 D	0715L008 D	0715L009 D	0715L010.D	0715L011.D								
		Compound	0.1	0.2	0.5	1	5	10	50	100			Avg	%RSD	Type	r^2	Q	MRF
1	I	Napthalene-D8(IS)																
2	TM	Naphthalene	1.257	1.260	1.246	1.216	1.169	1.100	1.113	1.047			1.2	6.9	TM			0.700
3	S	2-Methylnaphthalene-D10 (2M	1.239	1.257	1.232	1.222	1.131	1.199	1.098	1.077			1.2	5.9	S			
4	TM	2-Methylnaphthalene	0.7305	0.7238	0.7496	0.7220	0.7135	0.6858	0.6454	0.5605			0.69	8.9	TM			0.400
5	TM	1-Methylnaphthalene	0.7705	0.7476	0.7699	0.7451	0.7235	0.6853	0.6403	0.5499			0.70	11	TM			
6	I	Acenaphthene-D10(IS)																
7	TM	Acenaphthylene	4.989	5.144	5.085	4.999	5.120	4.805	4.385	3.583			4.8	11	TM			0.900
8	*TM	Acenaphthene	1.472	1.465	1.373	1.330	1.351	1.224	1.075	0.9328			1.3	15	*TM			0.900
9	TM	Fluorene	1.688	1.692	1.703	1.635	1.683	1.591	1.371	1.214			1.6	12	TM			0.900
10	I	Phenanthrene-D10(IS)																
11	TM	Phenanthrene	1.508	1.490	1.497	1.440	1.413	1.377	1.144	0.9430			1.4	15	TM			0.700
12	TM	Anthracene	1.328	1.313	1.335	1.309	1.340	1.291	1.073	0.8556			1.2	14	TM			0.700
13	S	Fluoranthene-D10 (FRT)	1.955	1.983	1.974	2.003	1.875	2.031	1.885	1.678			1.9	5.9	S			
14	*TM	Fluoranthene	2.111	2.170	2.261	2.247	2.226	2.161	1.716	1.406			2.0	15	*TM			0.600
15	I	Chrysene-D12(IS)																
16	TM	Pyrene	1.531	1.551	1.590	1.541	1.534	1.462	1.341	1.240			1.5	8.2	TM			0.600
17	TM	Benz (a) anthracene	1.367	1.318	1.340	1.282	1.331	1.304	1.302	1.219			1.3	3.4	TM			0.800
18	TM	Chrysene	1.552	1.512	1.496	1.419	1.393	1.313	1.193	1.032			1.4	13	TM			0.700
19	TM	Indeno (1,2,3-cd) pyrene	1.265	1.247	1.256	1.231	1.313	1.299	1.341	1.265			1.3	2.9	TM			0.500
20	I	Perylene-D12(IS)																
21	TM	Benzo (b) fluoranthene	1.208	1.100	1.221	1.296	1.394	1.346	1.364	1.307			1.3	7.6	TM			0.700
22	TM	Benzo (k) fluoranthene	1.498	1.577	1.548	1.432	1.496	1.458	1.058	1.182			1.4	13	TM			0.700
23	*TM	Benzo (a) pyrene	1.162	1.085	1.229	1.232	1.312	1.284	1.271	1.154			1.2	6.3	*TM			0.700
24	TM	Dibenz (a,h) anthracene	1.053	1.113	1.137	1.153	1.229	1.193	1.117	1.041			1.1	5.7	TM			0.400
25	TM	Benzo (g,h,i) perylene	1.232	1.233	1.229	1.224	1.291	1.252	1.187	1.112			1.2	4.3	TM			0.500
26																		
27																		
28																		
29																		
30																		
31																		
32																		
33																		
34																		
35																		

Quantitation Report (Not Reviewed)

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

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

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

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

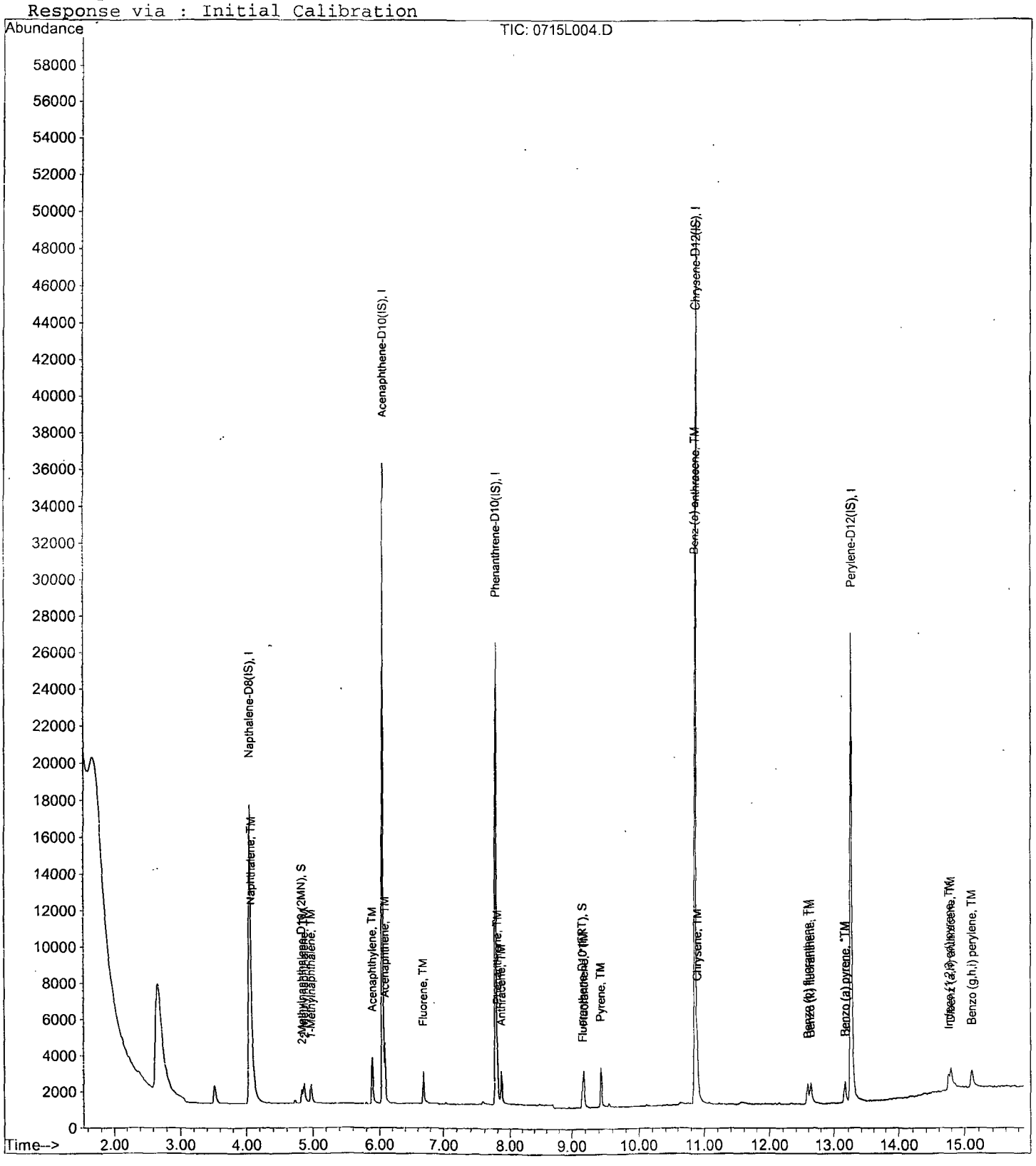
(#) = qualifier out of range (m) = manual integration

Quantitation Report

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

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

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



Quantitation Report (Not Reviewed)

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

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

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

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

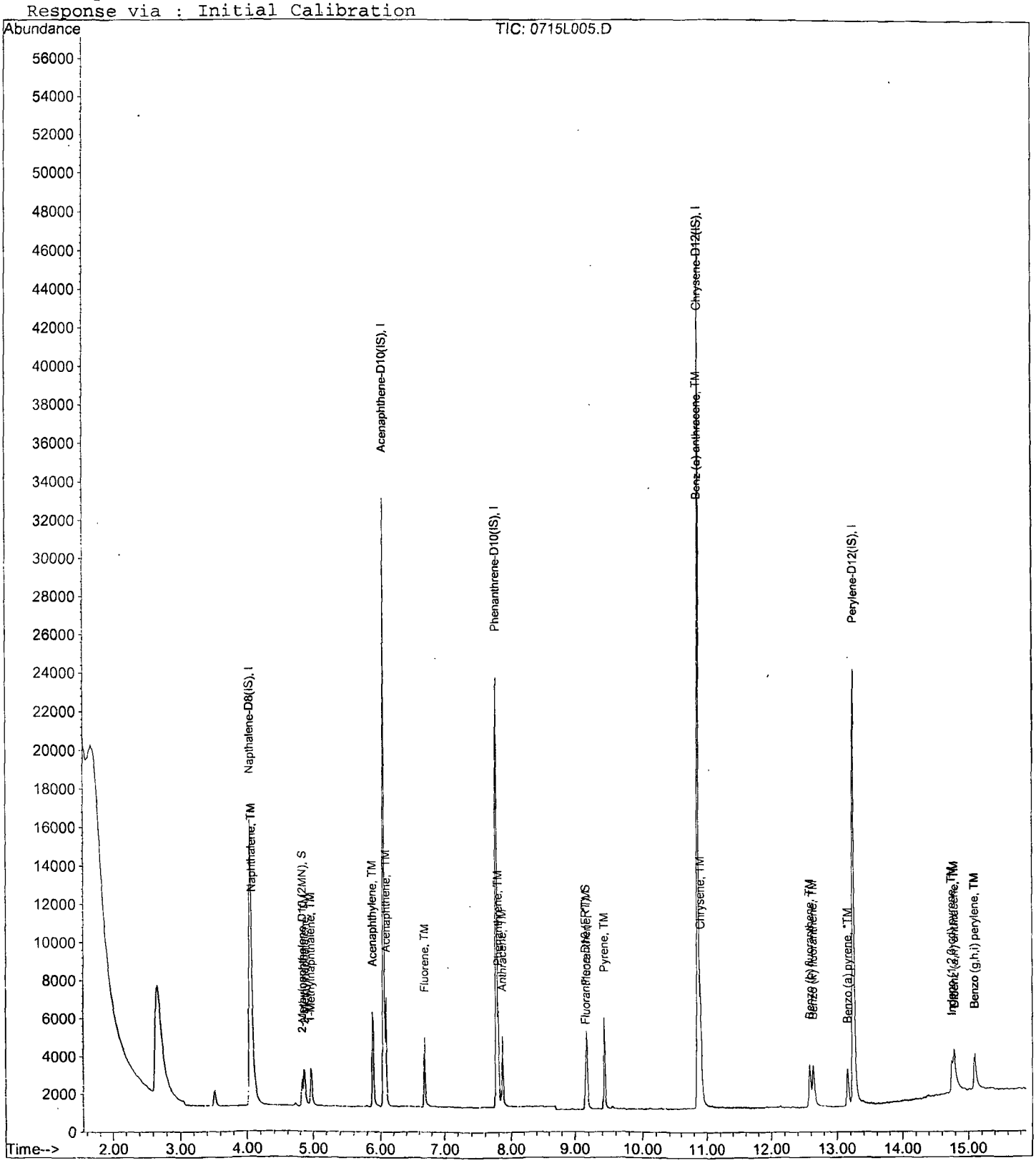
(#) = qualifier out of range (m) = manual integration

Quantitation Report

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

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

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



Quantitation Report (Not Reviewed)

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

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

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

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

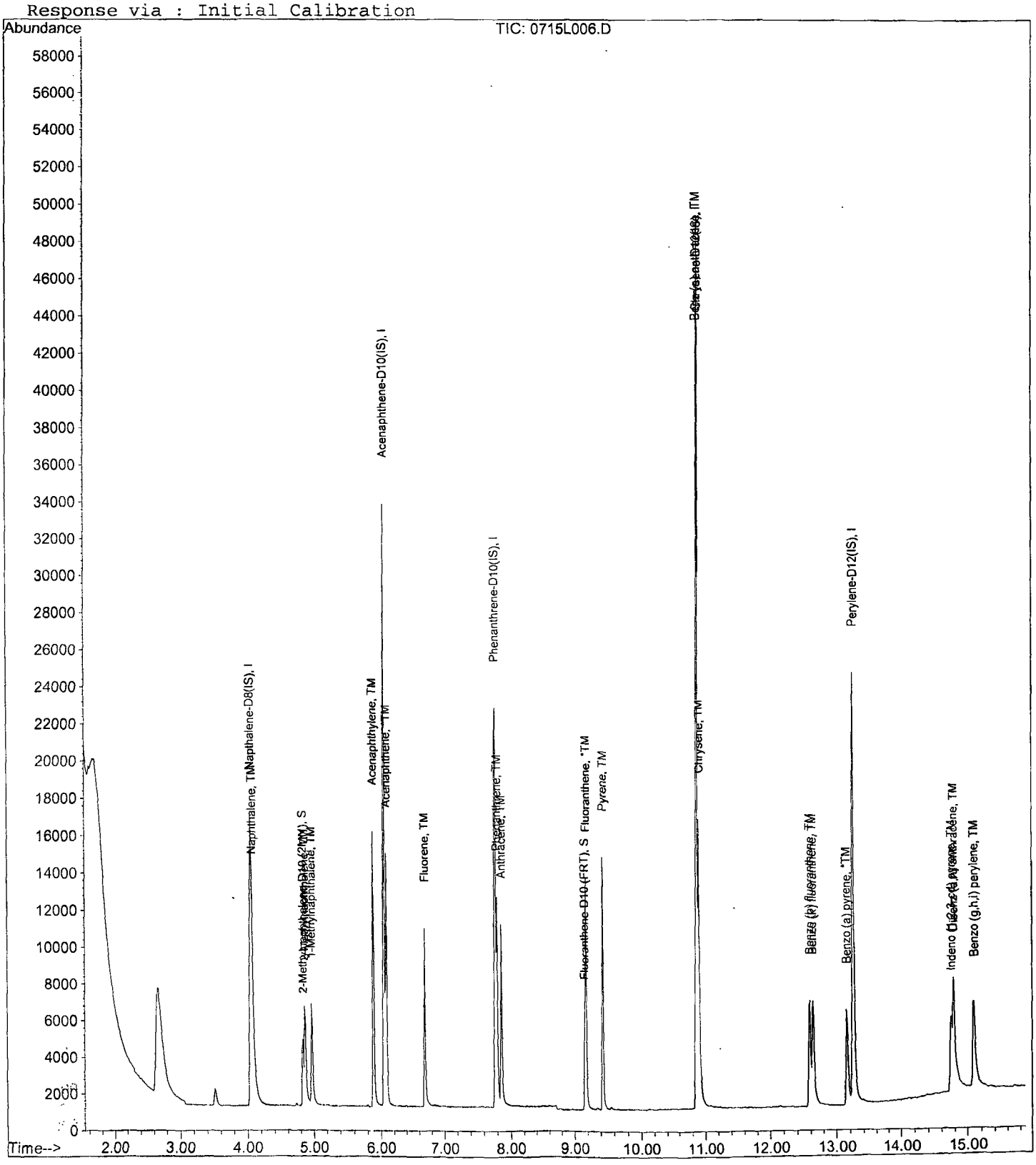
(#) = qualifier out of range (m) = manual integration

Quantitation Report

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

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

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



Quantitation Report (Not Reviewed)

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

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

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

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

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

Quantitation Report

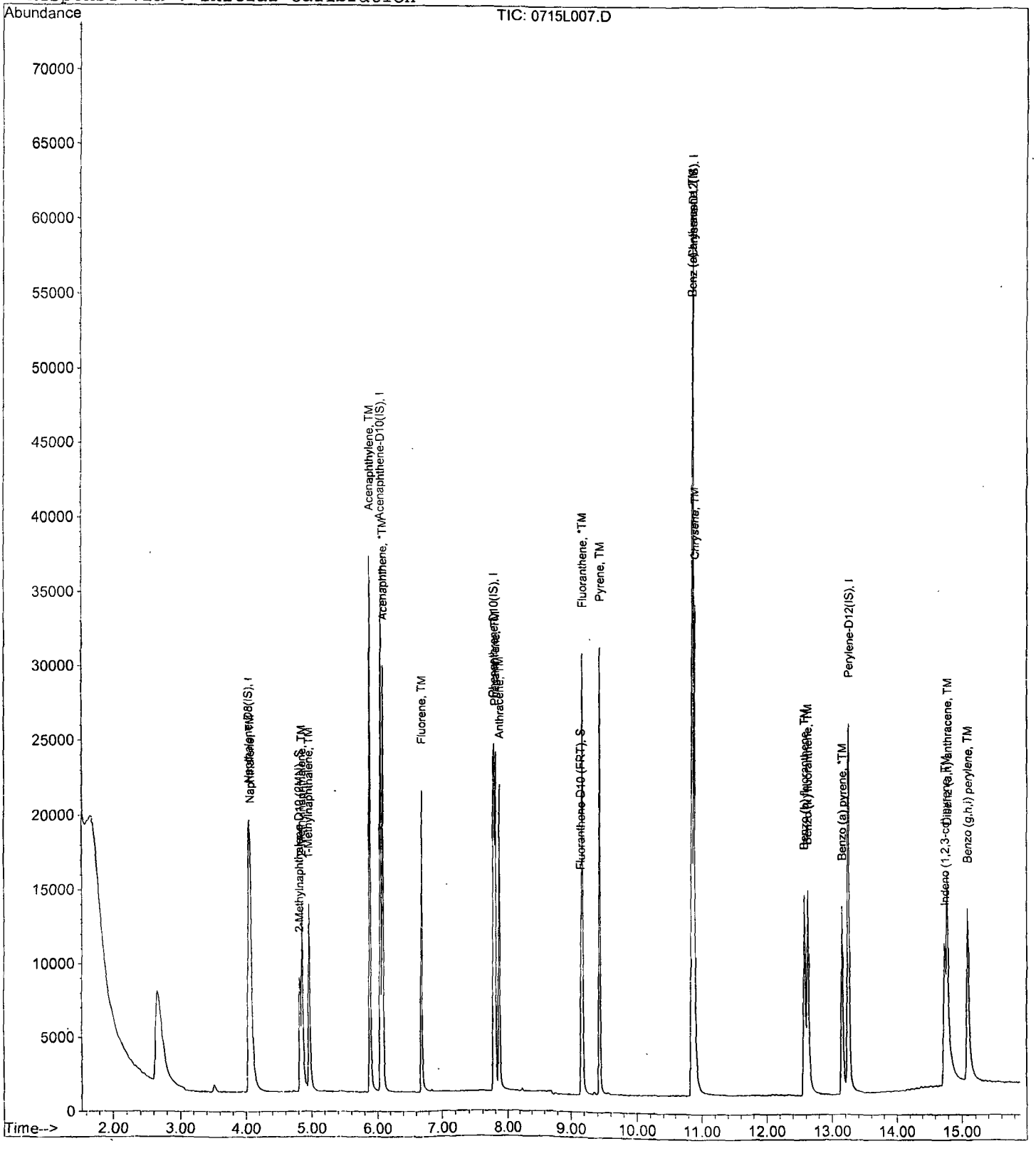
Data File : M:\LINUS\DATA\L210715\0715L007.D
Acq On : 15 Jul 21 10:10
Sample : 1 SIM 07/08/21
Misc :

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

Quant Time: Jul 15 12:01 2021

Quant Results File: L0715.RES

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



Quantitation Report (Not Reviewed)

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

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

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

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

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

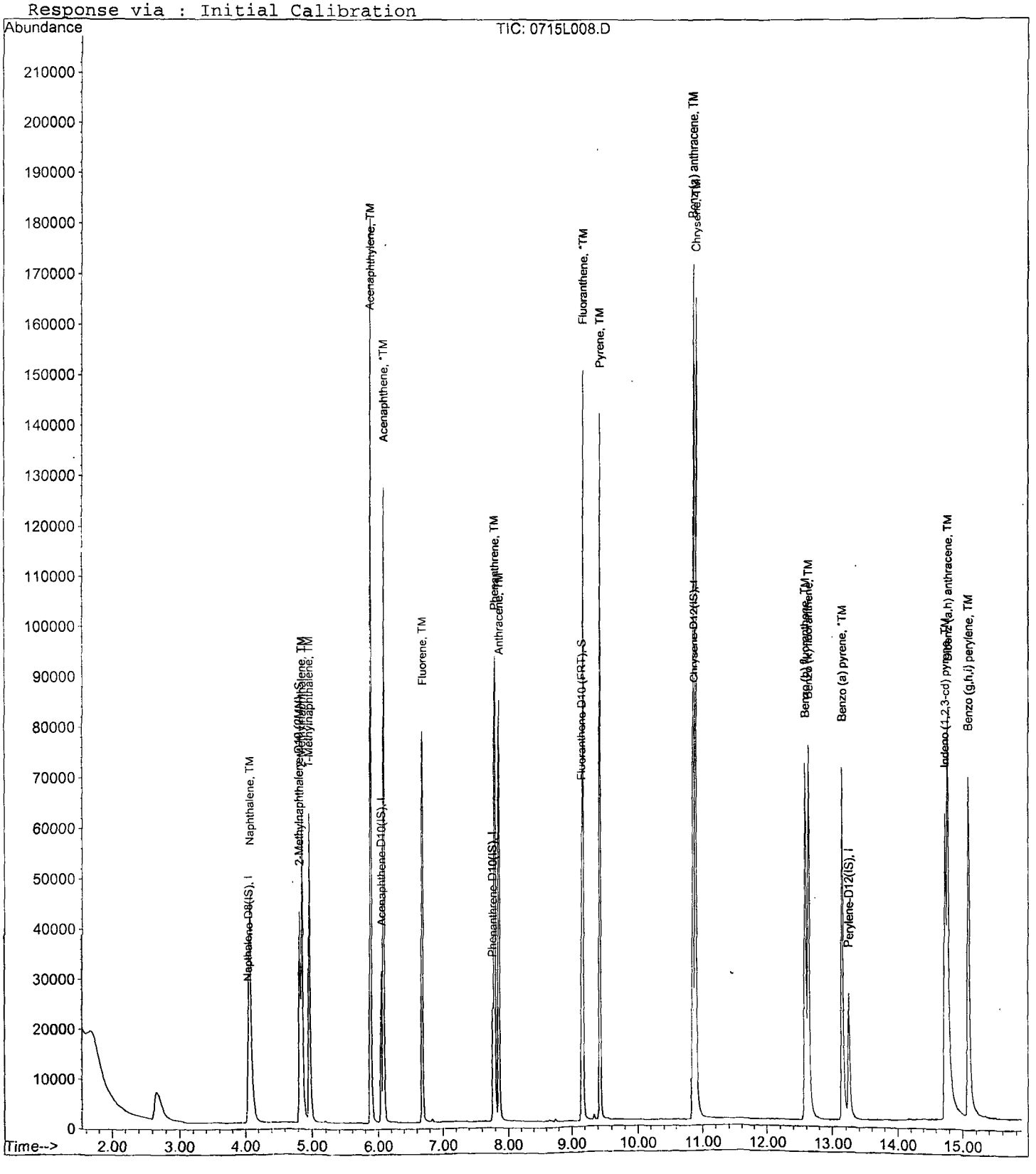
Quantitation Report

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

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

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

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



Quantitation Report (Not Reviewed)

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

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

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

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
1) Napthalene-D8(IS)	4.05	136	35868	2.50000 ppb		0.00
6) Acenaphthene-D10(IS)	6.05	164	17432	2.50000 ppb		0.00
10) Phenanthrene-D10(IS)	7.77	188	28073	2.50000 ppb		0.01
15) Chrysene-D12(IS)	10.87	240	41890	2.50000 ppb		0.00
20) Perylene-D12(IS)	13.25	264	38066	2.50000 ppb		0.00
System Monitoring Compounds						
3) 2-Methylnaphthalene-D10 (2	4.82	152	86019	5.07295 ppb		0.00
Spiked Amount 5.000			Recovery = 101.460%			
13) Fluoranthene-D10 (FRT)	9.15	212	114053	5.28152 ppb		0.00
Spiked Amount 5.000			Recovery = 105.640%			
Target Compounds						Qvalue
2) Naphthalene	4.07	128	157861	9.35565 ppb		100
4) 2-Methylnaphthalene	4.85	142	98389	9.91860 ppb		99
5) 1-Methylnaphthalene	4.96	142	98317	9.73381 ppb		99
7) Acenaphthylene	5.88	152	335060	10.08667 ppb		100
8) Acenaphthene	6.08	154	85339	9.57857 ppb		98
9) Fluorene	6.69	166	110925	10.11826 ppb		99
11) Phenanthrene	7.80	178	154599	10.18808 ppb		99
12) Anthracene	7.86	178	144986	10.49218 ppb		99
14) Fluoranthene	9.17	202	242662	10.60717 ppb		98
16) Pyrene	9.43	202	244903	9.91819 ppb		99
17) Benz (a) anthracene	10.86	228	218547	9.97265 ppb		99
18) Chrysene	10.90	228	220049	9.62894 ppb		99
19) Indeno (1,2,3-cd) pyrene	14.75	276	217707	10.17274 ppb	#	82
21) Benzo (b) fluoranthene	12.58	252	204889	10.51578 ppb		96
22) Benzo (k) fluoranthene	12.63	252	221936	10.36564 ppb		99
23) Benzo (a) pyrene	13.15	252	195436	10.55507 ppb		99
24) Dibenz (a,h) anthracene	14.78	278	181638	10.56321 ppb		98
25) Benzo (g,h,i) perylene	15.10	276	190634	10.26223 ppb	#	90

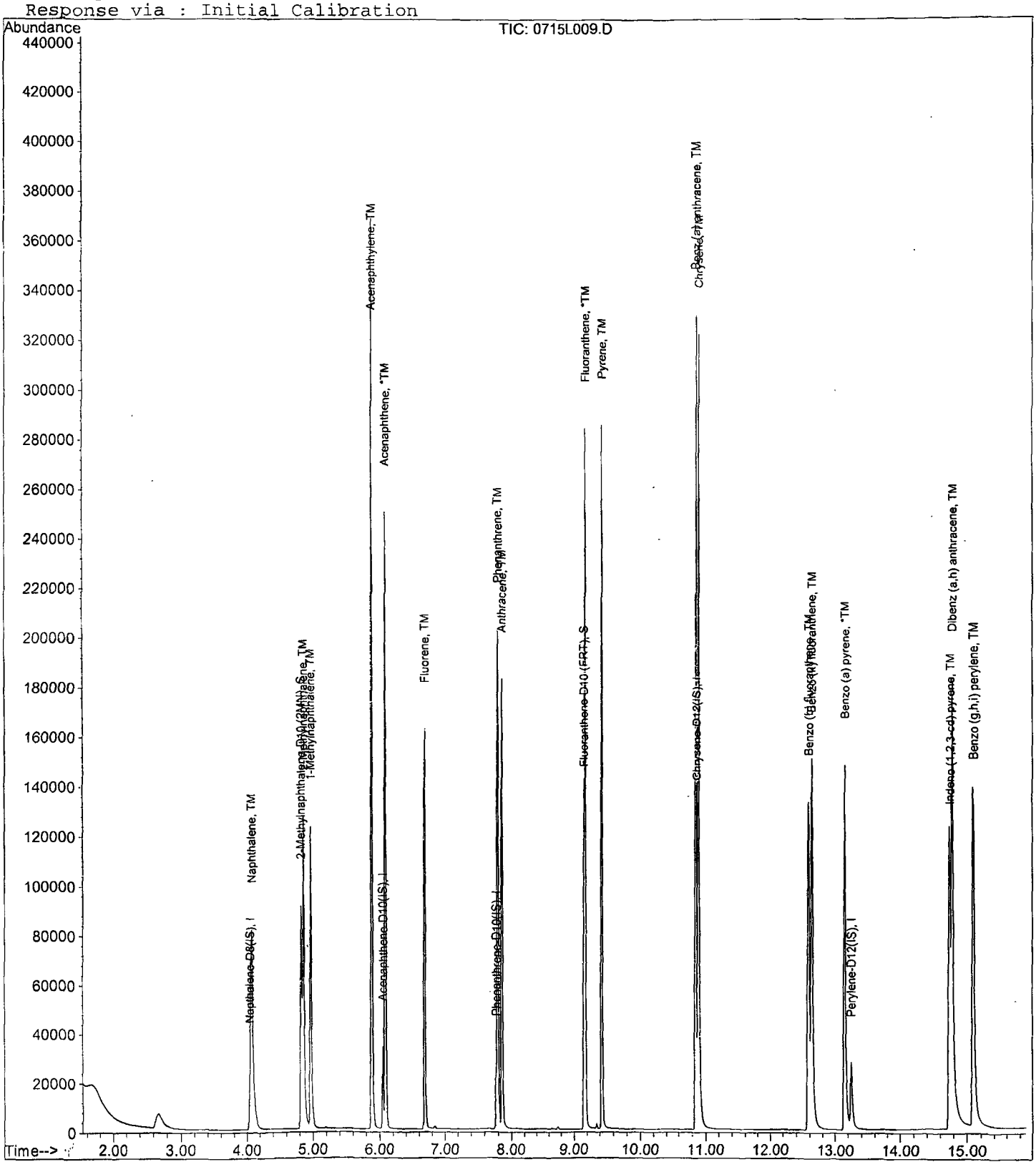
(#) = qualifier out of range (m) = manual integration

Quantitation Report

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

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

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



Quantitation Report (Not Reviewed)

Data File : M:\LINUS\DATA\L210715\0715L010.D Vial: 10
Acq On : 15 Jul 21 11:17 Operator: LS
Sample : 50 SIM 07/08/21 Inst : Linus
Misc : Multiplr: 1.00

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

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

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Napthalene-D8(IS)	4.05	136	36547	2.50000	ppb		0.00
6) Acenaphthene-D10(IS)	6.05	164	17383	2.50000	ppb		0.00
10) Phenanthrene-D10(IS)	7.77	188	29211	2.50000	ppb		0.01
15) Chrysene-D12(IS)	10.88	240	39425	2.50000	ppb		0.01
20) Perylene-D12(IS)	13.26	264	37524	2.50000	ppb		0.01
System Monitoring Compounds							
3) 2-Methylnaphthalene-D10 (2	4.82	152	401356	23.23009	ppb		0.00
Spiked Amount 5.000			Recovery = 464.600%				
13) Fluoranthene-D10 (FRT)	9.16	212	550772	24.51130	ppb		0.01
Spiked Amount 5.000			Recovery = 490.220%				
Target Compounds							Qvalue
2) Naphthalene	4.07	128	813650	47.32519	ppb		99
4) 2-Methylnaphthalene	4.85	142	471771	46.67566	ppb		100
5) 1-Methylnaphthalene	4.96	142	467996	45.47282	ppb		99
7) Acenaphthylene	5.88	152	1524552	46.02460	ppb		100
8) Acenaphthene	6.08	154	373563	42.04744	ppb		95
9) Fluorene	6.69	166	476607	43.59728	ppb		97
11) Phenanthrene	7.80	178	668058	42.30991	ppb		97
12) Anthracene	7.86	178	626693	43.58499	ppb		98
14) Fluoranthene	9.18	202	1002621	42.11889	ppb		96
16) Pyrene	9.44	202	1057437	45.50211	ppb		97
17) Benz (a) anthracene	10.87	228	1026510	49.76999	ppb		98
18) Chrysene	10.92	228	940494	43.72743	ppb		98
19) Indeno (1,2,3-cd) pyrene	14.77	276	1057002	52.47832	ppb	#	97
21) Benzo (b) fluoranthene	12.61	252	1023928	53.31142	ppb		98
22) Benzo (k) fluoranthene	12.61	252	794214	37.63000	ppb		97
23) Benzo (a) pyrene	13.18	252	953842	52.25902	ppb		95
24) Dibenz (a,h) anthracene	14.81	278	837991	49.43750	ppb		97
25) Benzo (g,h,i) perylene	15.14	276	890985	48.65641	ppb	#	91

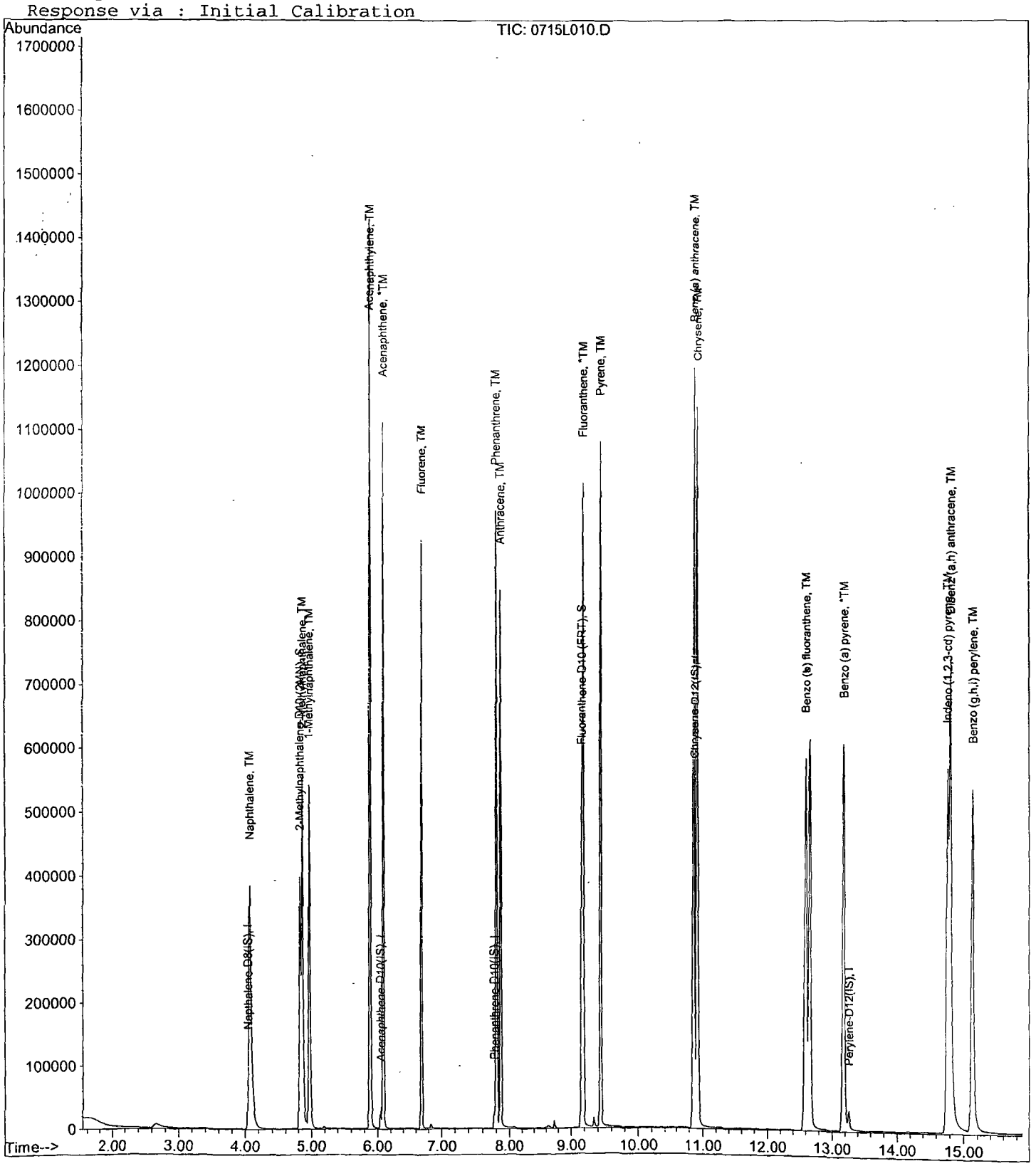
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\LINUS\DATA\L210715\0715L010.D Vial: 10
Acq On : 15 Jul 21 11:17 Operator: LS
Sample : 50 SIM 07/08/21 Inst : Linus
Misc : Multiplr: 1.00

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

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



Quantitation Report (QT Reviewed)

Data File : M:\LINUS\DATA\L210715\0715L011.D Vial: 11
Acq On : 15 Jul 21 11:39 Operator: LS
Sample : 100 SIM 07/08/21 Inst : Linus
Misc : Multiplr: 1.00

Quant Time: Jul 15 11:57 2021 Quant Results File: L0715.RES

Quant Method : M:\LINUS\DATA\L210715\L0715.M (RTE Integrator)
Title : EPA 8270
Last Update : Thu Jul 15 11:46:14 2021
Response via : Initial Calibration
DataAcq Meth : SIM_2

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Napthalene-D8(IS)	4.05	136	36883	2.50000	ppb		0.00
6) Acenaphthene-D10(IS)	6.05	164	18122	2.50000	ppb		0.00
10) Phenanthrene-D10(IS)	7.77	188	29730	2.50000	ppb		0.01
15) Chrysene-D12(IS)	10.89	240	37481	2.50000	ppb		0.02
20) Perylene-D12(IS)	13.27	264	36407	2.50000	ppb		0.02
System Monitoring Compounds							
3) 2-Methylnaphthalene-D10 (2	4.82	152	794559	45.52658	ppb		0.00
Spiked Amount 5.000			Recovery = 910.540%				
13) Fluoranthene-D10 (FRT)	9.16	212	997955	44.13325	ppb		0.01
Spiked Amount 5.000			Recovery = 882.660%				
Target Compounds							Qvalue
2) Naphthalene	4.07	128	1544178	89.58960	ppb		99
4) 2-Methylnaphthalene	4.85	142	826986	80.69037	ppb		99
5) 1-Methylnaphthalene	4.97	142	811288	77.77037	ppb		96
7) Acenaphthylene	5.89	152	2597584	75.02671	ppb		99
8) Acenaphthene	6.10	154	676149	72.52712	ppb		96
9) Fluorene	6.69	166	880169	76.71349	ppb		97
11) Phenanthrene	7.81	178	1121420	69.30355	ppb		97
12) Anthracene	7.87	178	1017515	68.86605	ppb		97
14) Fluoranthene	9.19	202	1672602	69.01829	ppb		99
16) Pyrene	9.45	202	1858619	84.00631	ppb		100
17) Benz (a) anthracene	10.88	228	1827248	93.64884	ppb		97
18) Chrysene	10.93	228	1547735	75.43253	ppb		97
19) Indeno (1,2,3-cd) pyrene	14.81	276	1896751	97.96829	ppb	#	90
21) Benzo (b) fluoranthene	12.63	252	1903776	101.37883	ppb		97
22) Benzo (k) fluoranthene	12.69	252	1720612m	83.19054	ppb		96
23) Benzo (a) pyrene	13.20	252	1680263	93.93694	ppb		98
24) Dibenz (a,h) anthracene	14.85	278	1516110	90.39323	ppb	#	91
25) Benzo (g,h,i) perylene	15.17	276	1618716	89.57454	ppb		98

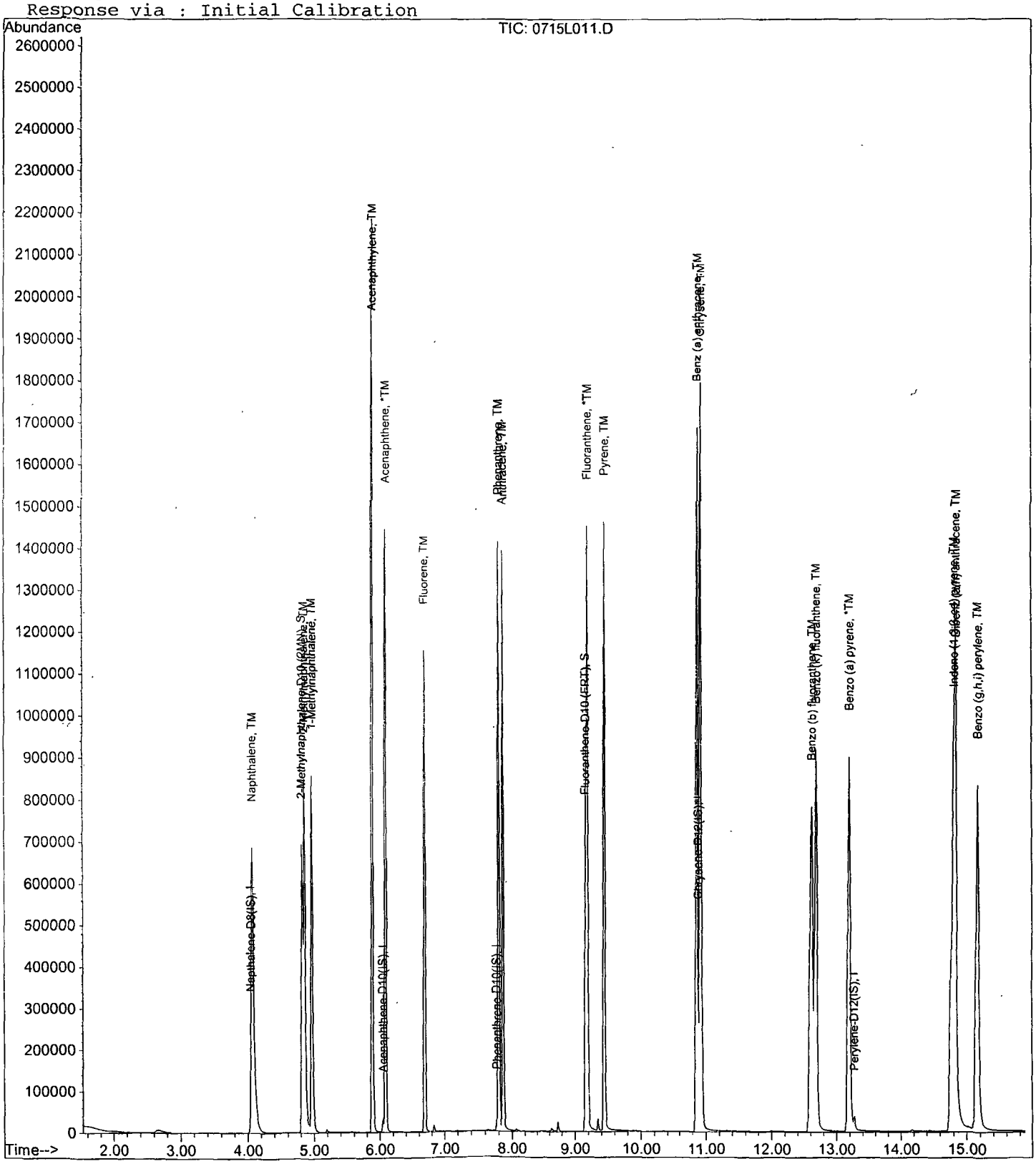
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\LINUS\DATA\L210715\0715L011.D Vial: 11
Acq On : 15 Jul 21 11:39 Operator: LS
Sample : 100 SIM 07/08/21 Inst : Linus
Misc : Multiplr: 1.00

Quant Time: Jul 15 11:57 2021 Quant Results File: L0715.RES

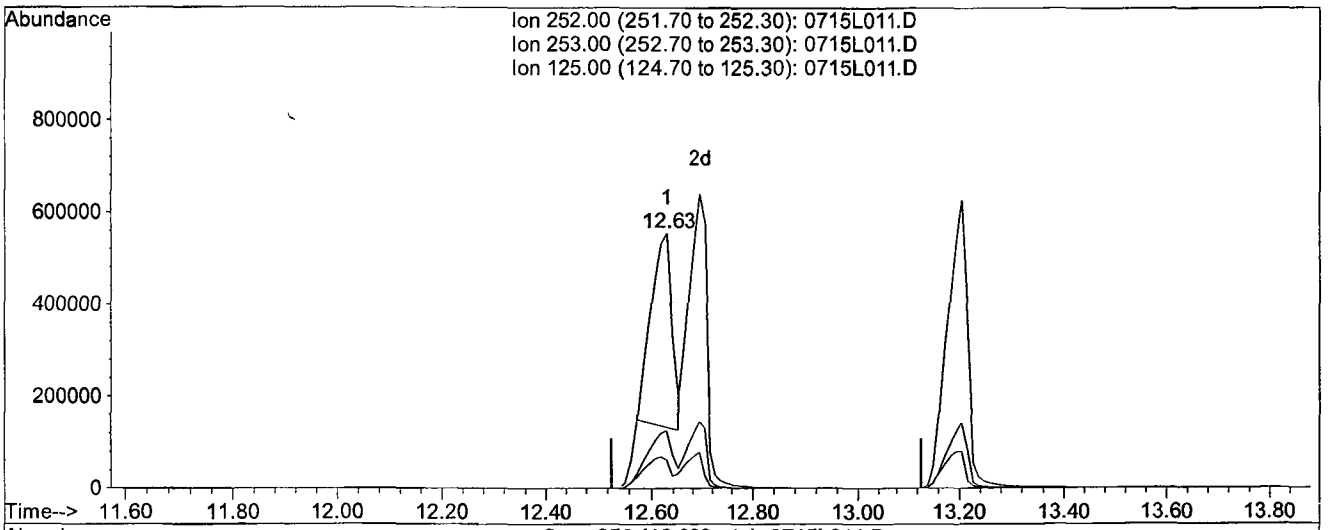
Method : M:\LINUS\DATA\L210715\L0715.M (RTE Integrator)
Title : EPA 8270
Last Update : Thu Jul 15 11:59:44 2021
Response via : Initial Calibration

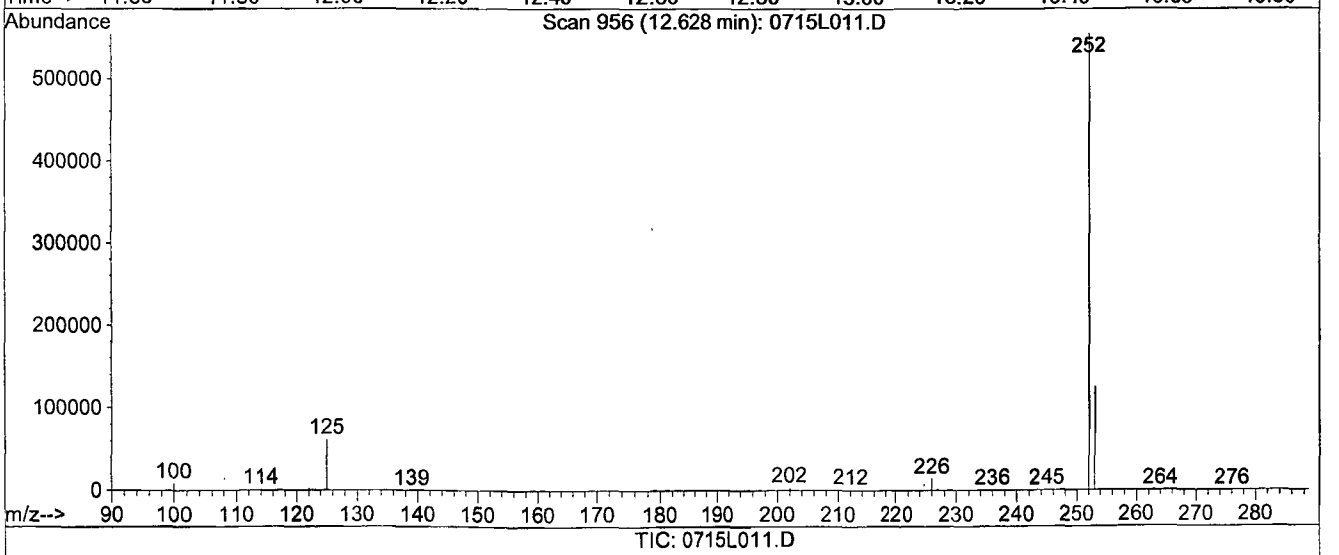


Quantitation Report

Data File : M:\LINUS\DATA\L210715\0715L011.D Vial: 11
Acq On : 15 Jul 21 11:39 Operator: LS
Sample : 100 SIM 07/08/21 Inst : Linus
Misc : Multiplr: 1.00
Quant Time: Jul 15 11:55 2021 Quant Results File: temp.res

Method : M:\LINUS\DATA\L210715\L0715.M (RTE Integrator)
Title : EPA 8270
Last Update : Thu Jul 15 11:46:14 2021
Response via : Multiple Level Calibration





TIC: 0715L011.D

(22) Benzo (k) fluoranthene (TM)

12.63min 54.6037ppb

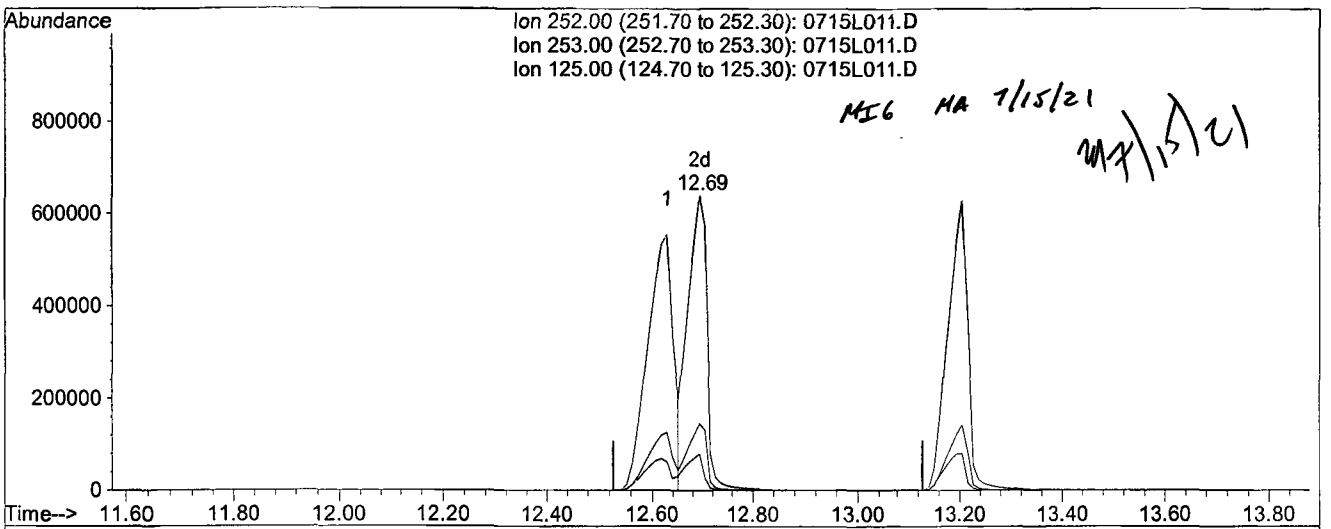
response 1129357

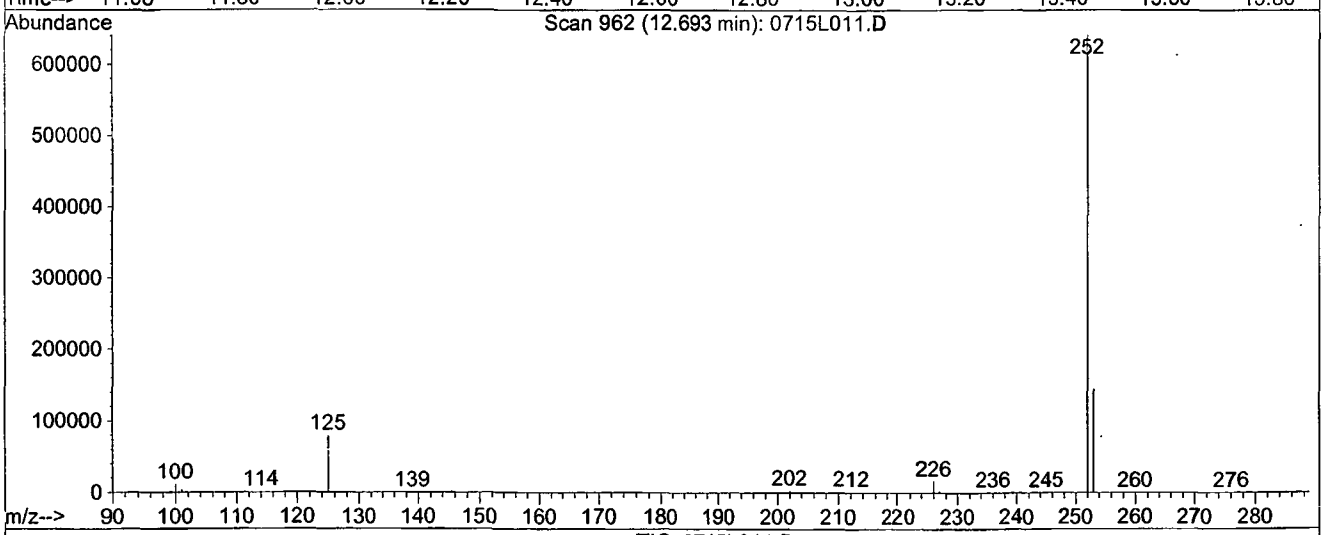
Ion	Exp%	Act%
252.00	100	100
253.00	21.80	23.01
125.00	11.60	9.12
0.00	0.00	0.00

Quantitation Report

Data File : M:\LINUS\DATA\L210715\0715L011.D Vial: 11
Acq On : 15 Jul 21 11:39 Operator: LS
Sample : 100 SIM 07/08/21 Inst : Linus
Misc : Multiplr: 1.00
Quant Time: Jul 15 11:57 2021 Quant Results File: temp.res

Method : M:\LINUS\DATA\L210715\L0715.M (RTE Integrator)
Title : EPA 8270
Last Update : Thu Jul 15 11:46:14 2021
Response via : Multiple Level Calibration





TIC: 0715L011.D

(22) Benzo (k) fluoranthene (TM)

12.69min 83.1905ppb m

response 1720612

Ion	Exp%	Act%
252.00	100	100
253.00	21.80	22.72
125.00	11.60	12.41
0.00	0.00	0.00

0715L011.D L0715.M Thu Jul 15 11:57:28 2021

Form 7

Second Source Calibration

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

SDG No:
Date Analyzed: 07/15/21
Instrument: Linus
Initial Cal. Date: 07/15/21
Data File: 0715L012.D

		Compound	MEAN	CCRF	%D	%Drift	
1	TM	Naphthalene	1.176	1.134	3.6	TM	
2	TM	2-Methylnaphthalene	0.6914	0.6741	2.5	TM	
3	TM	1-Methylnaphthalene	0.7040	0.6729	4.4	TM	
4	TM	Acenaphthylene	4.764	4.857	1.9	TM	
5	*TM	Acenaphthene	1.278	1.247	2.4	*TM	
6	TM	Fluorene	1.572	1.574	0.12	TM	
7	TM	Phenanthrene	1.351	1.313	2.8	TM	
8	TM	Anthracene	1.231	1.319	7.2	TM	
9	*TM	Fluoranthene	2.037	2.089	2.5	*TM	
10	TM	Pyrene	1.474	1.455	1.3	TM	
11	TM	Benz (a) anthracene	1.308	1.270	2.9	TM	
12	TM	Chrysene	1.364	1.261	7.5	TM	
13	TM	Indeno (1,2,3-cd) pyrene	1.277	1.265	0.97	TM	
14	TM	Benzo (b) fluoranthene	1.280	1.335	4.3	TM	
15	TM	Benzo (k) fluoranthene	1.406	1.404	0.14	TM	
16	*TM	Benzo (a) pyrene	1.216	1.304	7.2	*TM	
17	TM	Dibenz (a,h) anthracene	1.129	1.171	3.7	TM	
18	TM	Benzo (g,h,i) perylene	1.220	1.228	0.64	TM	
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							
31							
32							
33							
34							
35							
36							
37							
38							
		Average			3.1		

Quantitation Report (Not Reviewed)

Data File : M:\LINUS\DATA\L210715\0715L012.D Vial: 12
Acq On : 15 Jul 21 12:01 Operator: LS
Sample : SS SIM 07/08/21 Inst : Linus
Misc : Multiplr: 1.00

Quant Time: Jul 15 12:31 2021 Quant Results File: L0715.RES

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Napthalene-D8(IS)	4.05	136	37378	2.500	ppb	0.00
6) Acenaphthene-D10(IS)	6.05	164	17835	2.500	ppb	0.00
10) Phenanthrene-D10(IS)	7.76	188	29548	2.500	ppb	0.00
15) Chrysene-D12(IS)	10.87	240	43782	2.500	ppb	0.00
20) Perylene-D12(IS)	13.25	264	38667	2.500	ppb	0.00
System Monitoring Compounds						
3) 2-Methylnaphthalene-D10 (2	4.82	152	17	0.001	ppb	0.00
Spiked Amount 5.000			Recovery =	0.020%		
13) Fluoranthene-D10 (FRT)	9.15	212	215	0.009	ppb	0.00
Spiked Amount 5.000			Recovery =	0.180%		
Target Compounds						Qvalue
2) Naphthalene	4.07	128	84756	4.820	ppb	99
4) 2-Methylnaphthalene	4.85	142	50390	4.875	ppb	99
5) 1-Methylnaphthalene	4.96	142	50302	4.779	ppb	100
7) Acenaphthylene	5.88	152	173233	5.097	ppb	100
8) Acenaphthene	6.08	154	44498	4.882	ppb	100
9) Fluorene	6.69	166	56146	5.006	ppb	98
11) Phenanthrene	7.80	178	77621	4.860	ppb	99
12) Anthracene	7.86	178	77939	5.359	ppb	100
14) Fluoranthene	9.17	202	123463	5.127	ppb	100
16) Pyrene	9.43	202	127364	4.935	ppb	98
17) Benz (a) anthracene	10.86	228	111240	4.857	ppb	99
18) Chrysene	10.90	228	110421	4.623	ppb	100
19) Indeno (1,2,3-cd) pyrene	14.74	276	110758	4.952	ppb	97
21) Benzo (b) fluoranthene	12.57	252	103205	5.215	ppb	99
22) Benzo (k) fluoranthene	12.63	252	108595	4.993	ppb	99
23) Benzo (a) pyrene	13.15	252	100824	5.361	ppb	99
24) Dibenz (a,h) anthracene	14.78	278	90571	5.185	ppb	99
25) Benzo (g,h,i) perylene	15.08	276	94948	5.032	ppb	98

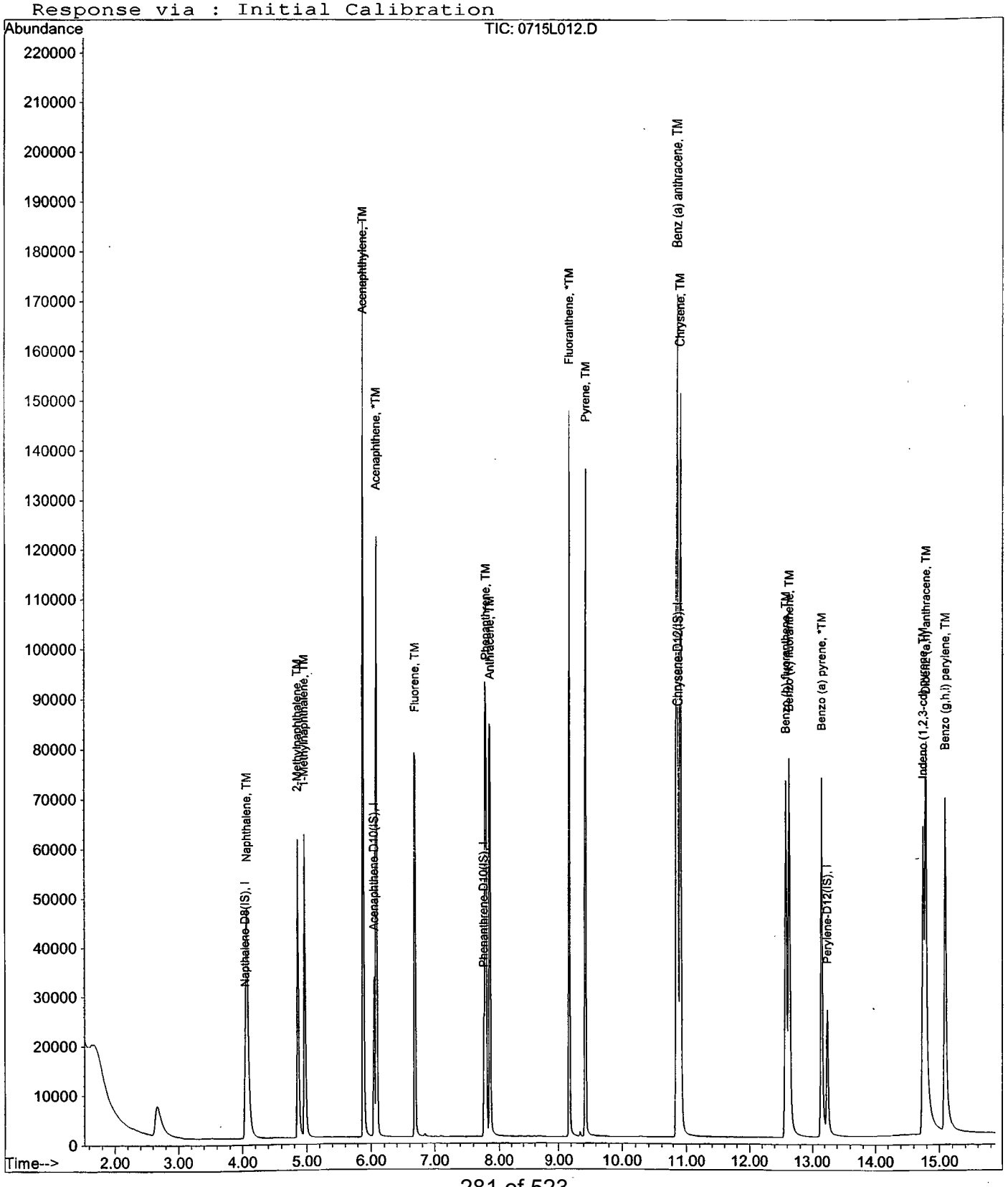
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\LINUS\DATA\L210715\0715L012.D Vial: 12
Acq On : 15 Jul 21 12:01 Operator: LS
Sample : SS SIM 07/08/21 Inst : Linus
Misc : Multiplr: 1.00

Quant Time: Jul 15 12:31 2021 Quant Results File: L0715.RES

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



PAH by GCMS SIM
EPA 8270 SIM

Form 7

Ending Continuing Calibration

Lab Name: APPL, Inc. SDG No:
Case No: Date Analyzed: 07/15/21
Matrix: Instrument: Linus
Initial Cal. Date: 07/15/21
Data File: 0715L039.D

		Compound	MEAN	CCRF	%D		%Drift
1	I	Napthalene-D8(IS)	ISTD			I	
2	TM	Naphthalene	1.176	1.184	0.67	TM	
3	S	2-Methylnaphthalene-D10 (2MN)	1.182	1.259	6.5	S	
4	TM	2-Methylnaphthalene	0.6914	0.7633	10	TM	
5	TM	1-Methylnaphthalene	0.7040	0.7688	9.2	TM	
6	I	Acenaphthene-D10(IS)	ISTD			I	
7	TM	Acenaphthylene	4.764	5.335	12	TM	
8	*TM	Acenaphthene	1.278	1.404	9.9	*TM	
9	TM	Fluorene	1.572	2.435	55	TM	*
10	I	Phenanthrene-D10(IS)	ISTD			I	
11	TM	Phenanthrene	1.351	1.393	3.1	TM	
12	TM	Anthracene	1.231	1.352	9.8	TM	
13	S	Fluoranthene-D10 (FRT)	1.923	2.098	9.1	S	
14	*TM	Fluoranthene	2.037	2.200	8.0	*TM	
15	I	Chrysene-D12(IS)	ISTD			I	
16	TM	Pyrene	1.474	1.595	8.2	TM	
17	TM	Benz (a) anthracene	1.308	1.401	7.1	TM	
18	TM	Chrysene	1.364	1.396	2.3	TM	
19	TM	Indeno (1,2,3-cd) pyrene	1.277	1.119	12	TM	
20	I	Perylene-D12(IS)	ISTD			I	
21	TM	Benzo (b) fluoranthene	1.280	1.425	11	TM	
22	TM	Benzo (k) fluoranthene	1.406	1.507	7.2	TM	
23	*TM	Benzo (a) pyrene	1.216	1.316	8.2	*TM	
24	TM	Dibenz (a,h) anthracene	1.129	1.008	11	TM	
25	TM	Benzo (g,h,i) perylene	1.220	1.017	17	TM	
26							
27	*	Effect of prior samples injected.					
28							
29							
30							
31							
32							
33							
34							
35							
36							
37							
38							
39							
40							
		Average			10.9		

Quantitation Report (Not Reviewed)

Data File : M:\LINUS\DATA\L210715\0715L039.D Vial: 39
Acq On : 15 Jul 21 21:54 Operator: LS
Sample : 5 SIM 07/08/21 Inst : Linus
Misc : Multiplr: 1.00

Quant Time: Jul 16 8:32 2021 Quant Results File: L0715.RES

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

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Napthalene-D8(IS)	4.06	136	29118	2.500	ppb		0.01
6) Acenaphthene-D10(IS)	6.05	164	15606	2.500	ppb		0.00
10) Phenanthrene-D10(IS)	7.77	188	37700	2.500	ppb		0.01
15) Chrysene-D12(IS)	10.87	240	53925	2.500	ppb		0.00
20) Perylene-D12(IS)	13.25	264	49145	2.500	ppb		0.00
System Monitoring Compounds							
3) 2-Methylnaphthalene-D10 (2	4.83	152	36646	2.662	ppb		0.01
Spiked Amount 5.000			Recovery =	53.240%			
13) Fluoranthene-D10 (FRT)	9.16	212	79086	2.727	ppb		0.01
Spiked Amount 5.000			Recovery =	54.540%			
Target Compounds							Qvalue
2) Naphthalene	4.07	128	68947	5.033	ppb		99
4) 2-Methylnaphthalene	4.85	142	44449	5.520	ppb		99
5) 1-Methylnaphthalene	4.97	142	44769	5.460	ppb		96
7) Acenaphthylene	5.88	152	166522	5.600	ppb		99
8) Acenaphthene	6.08	154	43813	5.493	ppb		94
9) Fluorene	6.69	166	75987	7.742	ppb		98
11) Phenanthrene	7.80	178	105038	5.154	ppb		99
12) Anthracene	7.86	178	101915	5.492	ppb		99
14) Fluoranthene	9.17	202	165856	5.399	ppb	#	90
16) Pyrene	9.43	202	172034	5.412	ppb		94
17) Benz (a) anthracene	10.86	228	151084	5.356	ppb		98
18) Chrysene	10.90	228	150549	5.117	ppb	#	97
19) Indeno (1,2,3-cd) pyrene	14.75	276	120647	4.379	ppb		86
21) Benzo (b) fluoranthene	12.58	252	140026	5.567	ppb		97
22) Benzo (k) fluoranthene	12.64	252	148155	5.360	ppb	#	96
23) Benzo (a) pyrene	13.15	252	129351	5.411	ppb		99
24) Dibenz (a,h) anthracene	14.78	278	99041	4.461	ppb		96
25) Benzo (g,h,i) perylene	15.10	276	99926	4.167	ppb		93

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

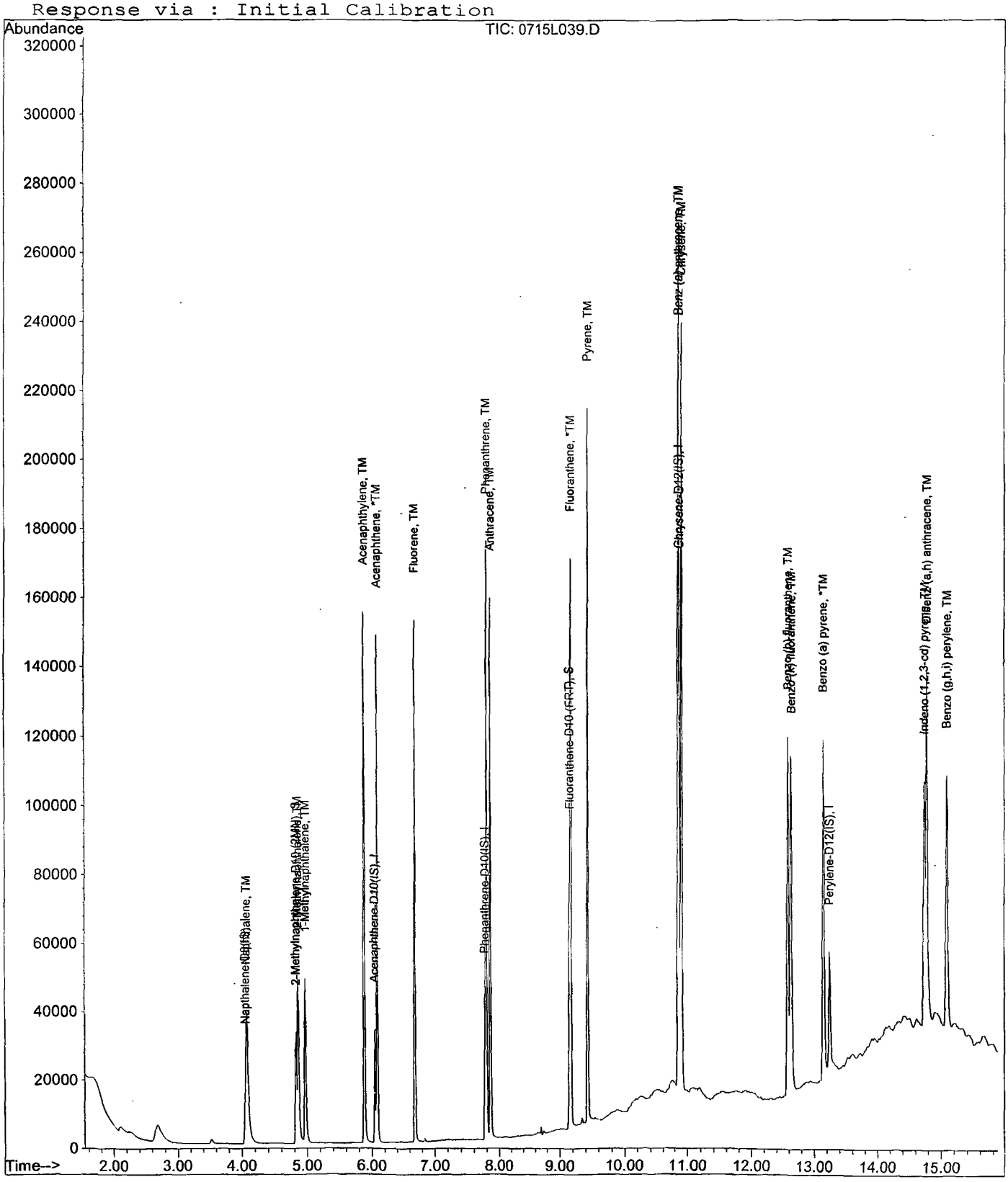
0715L039.D L0715.M Fri Jul 16 11:02:48 2021 Page 1

Quantitation Report

Data File : M:\LINUS\DATA\L210715\0715L039.D Vial: 39
Acq On : 15 Jul 21 21:54 Operator: LS
Sample : 5 SIM 07/08/21 Inst : Linus
Misc : Multiplr: 1.00

Quant Time: Jul 16 8:32 2021 Quant Results File: L0715.RES

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



ORGANICS

Raw Data

Quantitation Report (QT Reviewed)

Data File : M:\LINUS\DATA\L210715\0715L017.D Vial: 17
Acq On : 15 Jul 21 13:47 Operator: LS
Sample : BA35745W05 1/810 Inst : Linus
Misc : Multiplr: 1.23

Quant Time: Aug 4 16:12 2021 Quant Results File: L0715.RES

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

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Napthalene-D8(IS)	4.05	136	30502	2.50	ppb		0.00
6) Acenaphthene-D10(IS)	6.05	164	17297	2.50	ppb		0.00
10) Phenanthrene-D10(IS)	7.76	188	29239	2.50	ppb		0.00
15) Chrysene-D12(IS)	10.87	240	43738	2.50	ppb		0.00
20) Perylene-D12(IS)	13.24	264	39430	2.50	ppb		-0.01
System Monitoring Compounds							
3) 2-Methylnaphthalene-D10 (2	4.82	152	71160	6.09	ppb		0.00
Spiked Amount 6.173			Recovery = 98.707%				
13) Fluoranthene-D10 (FRT)	9.15	212	93718	5.14	ppb		0.00
Spiked Amount 6.173			Recovery = 83.333%				
Target Compounds							Qvalue
5) 1-Methylnaphthalene	4.96	142	1948	0.28	ppb		94
19) Indeno (1,2,3-cd) pyrene	14.76	276	1000	0.06	ppb	#	98
24) Dibenz (a,h) anthracene	14.79	278	802	0.06	ppb		94
25) Benzo (g,h,i) perylene	15.11	276	873	0.06	ppb		97

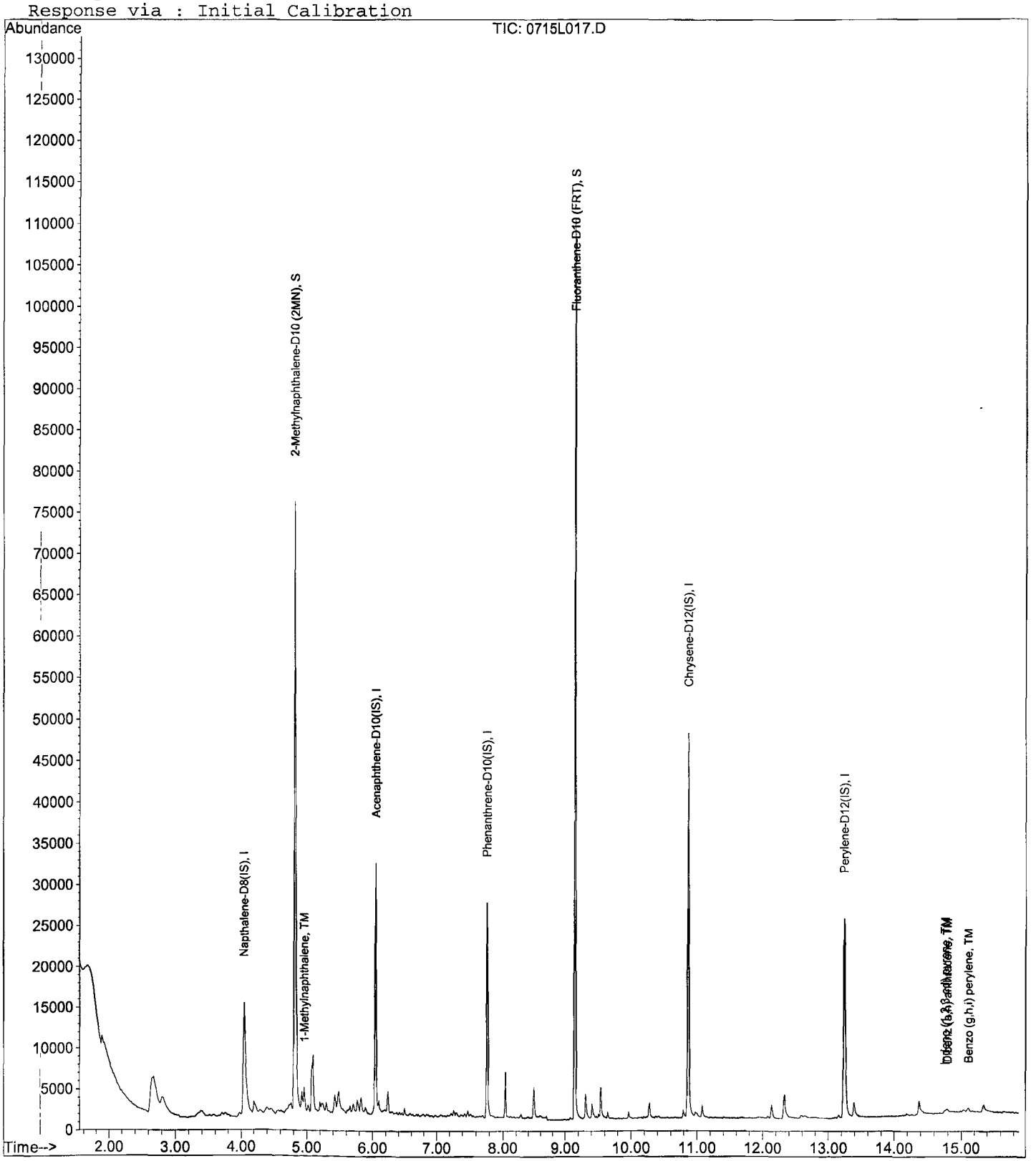
(#) = qualifier out of range (m) = manual integration

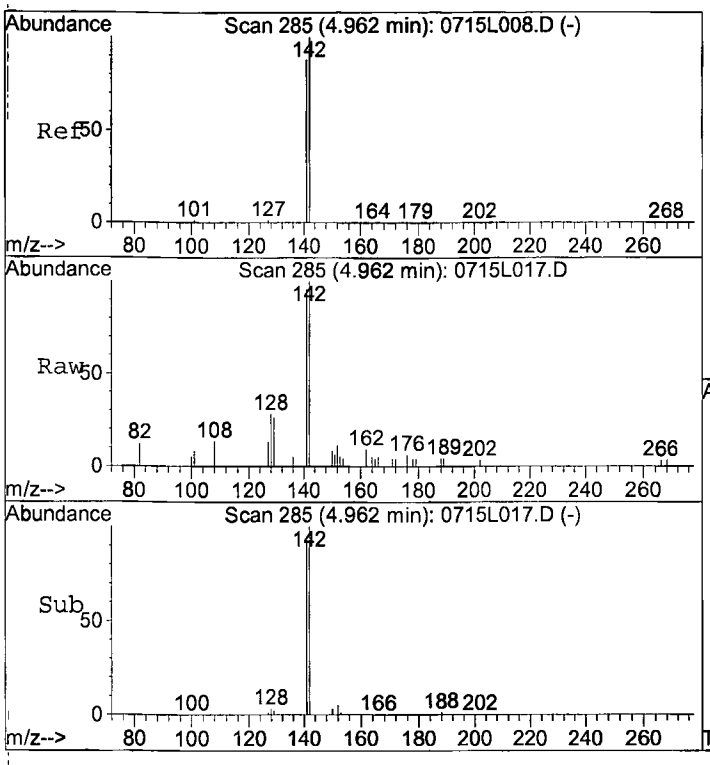
Quantitation Report

Data File : M:\LINUS\DATA\L210715\0715L017.D Vial: 17
Acq On : 15 Jul 21 13:47 Operator: LS
Sample : BA35745W05 1/810 Inst : Linus
Misc : Multiplr: 1.23

Quant Time: Aug 4 16:12 2021 Quant Results File: L0715.RES

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

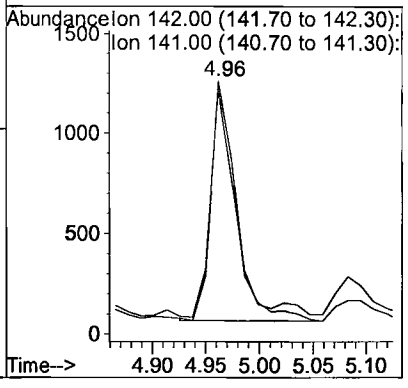


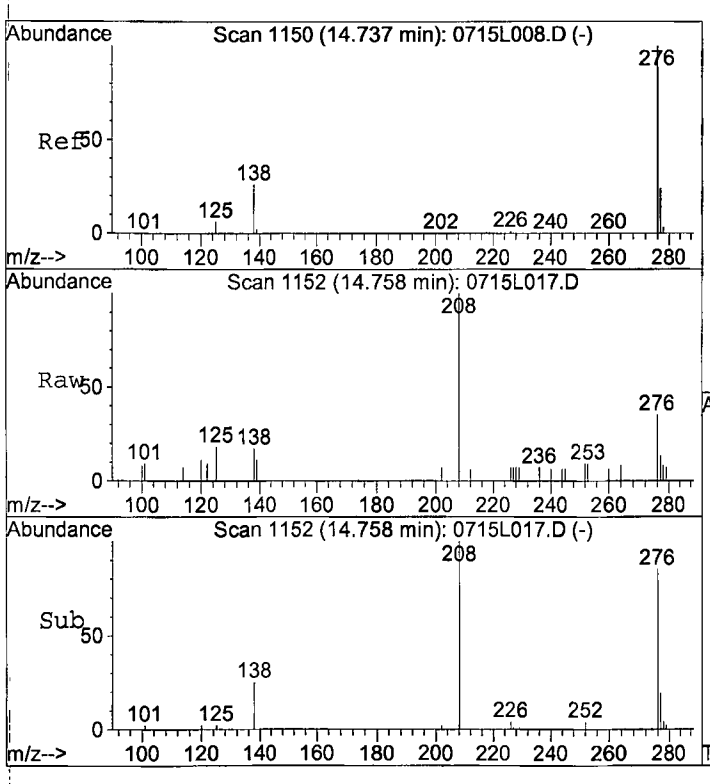


#5
1-Methylnaphthalene
Concen: 0.28 ppb
RT: 4.96 min Scan# 285
Delta R.T. 0.00 min
Lab File: 0715L017.D
Acq: 15 Jul 21 13:47

Tgt Ion:142 Resp: 1948

Ion	Ratio	Lower	Upper
142	100		
141	94.1	61.7	114.5

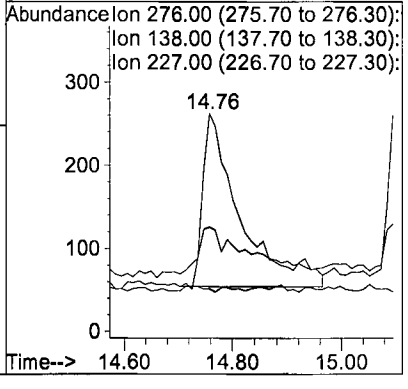


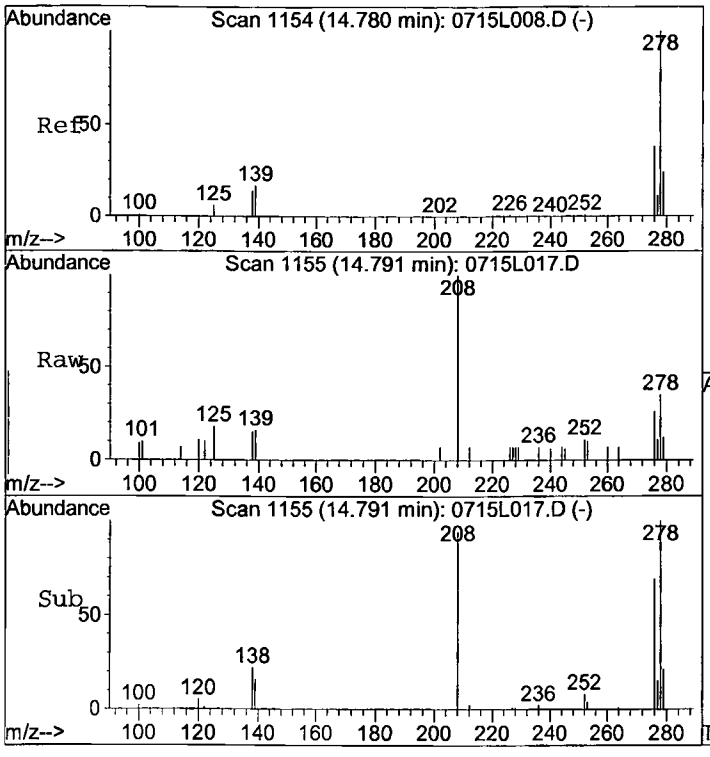


#19
Indeno (1,2,3-cd) pyrene
Concen: 0.06 ppb
RT: 14.76 min Scan# 1152
Delta R.T. 0.02 min
Lab File: 0715L017.D
Acq: 15 Jul 21 13:47

Tgt Ion:276 Resp: 1000

Ion	Ratio	Lower	Upper
276	100		
138	27.4	18.3	34.1
227	1.4	0.1	0.1#

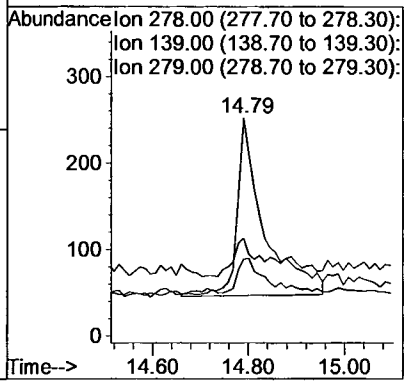


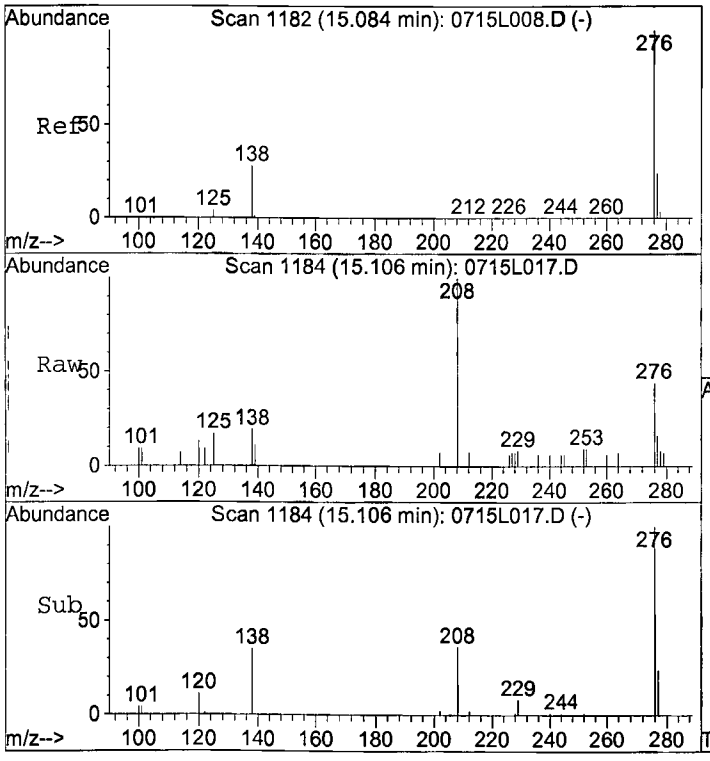


#24
Dibenz (a,h) anthracene
Concen: 0.06 ppb
RT: 14.79 min Scan# 1155
Delta R.T. 0.01 min
Lab File: 0715L017.D
Acq: 15 Jul 21 13:47

Tgt Ion:278 Resp: 802

Ion	Ratio	Lower	Upper
278	100		
139	18.2	11.8	22.0
279	20.2	16.7	31.1

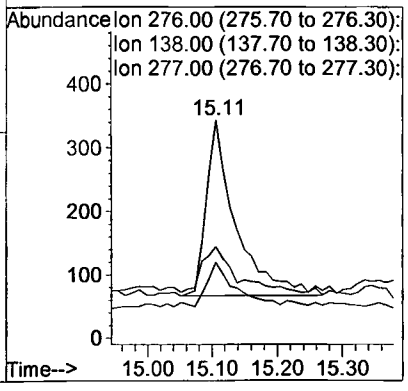




#25
Benzo (g,h,i) perylene
Concen: 0.06 ppb
RT: 15.11 min Scan# 1184
Delta R.T. 0.02 min
Lab File: 0715L017.D
Acq: 15 Jul 21 13:47

Tgt Ion:276 Resp: 873

Ion	Ratio	Lower	Upper
276	100		
138	26.0	19.7	36.7
277	24.5	16.5	30.6



Quantitation Report (QT Reviewed)

Data File : M:\LINUS\DATA\L210715\0715L018.D Vial: 18
Acq On : 15 Jul 21 14:09 Operator: LS
Sample : BA35748W06 1/840 Inst : Linus
Misc : Multiplr: 1.19

Quant Time: Jul 16 10:05 2021 Quant Results File: L0715.RES

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

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Napthalene-D8(IS)	4.05	136	34704	2.50000 ppb	0.00
6) Acenaphthene-D10(IS)	6.05	164	17620	2.50000 ppb	0.00
10) Phenanthrene-D10(IS)	7.76	188	30547	2.50000 ppb	0.00
15) Chrysene-D12(IS)	10.87	240	46407	2.50000 ppb	0.00
20) Perylene-D12(IS)	13.24	264	42677	2.50000 ppb	-0.01
System Monitoring Compounds					
3) 2-Methylnaphthalene-D10 (2	4.82	152	71265	5.17121 ppb	0.00
Spiked Amount 5.952			Recovery	= 86.873%	
13) Fluoranthene-D10 (FRT)	9.15	212	85748	4.34429 ppb	0.00
Spiked Amount 5.952			Recovery	= 72.979%	
Target Compounds					Qvalue
2) Naphthalene	4.07	128	504460	36.78542 ppb	97
4) 2-Methylnaphthalene	4.85	142	55293	6.85841 ppb	100
5) 1-Methylnaphthalene	4.96	142	156482	19.06200 ppb	99
9) Fluorene	6.69	166	2066	0.22196 ppb	95
17) Benz (a) anthracene	10.86	228	899	0.04408 ppb	94
23) Benzo (a) pyrene	13.16	252	704	0.04037 ppb	98
25) Benzo (g,h,i) perylene	15.11	276	886	0.05065 ppb	91

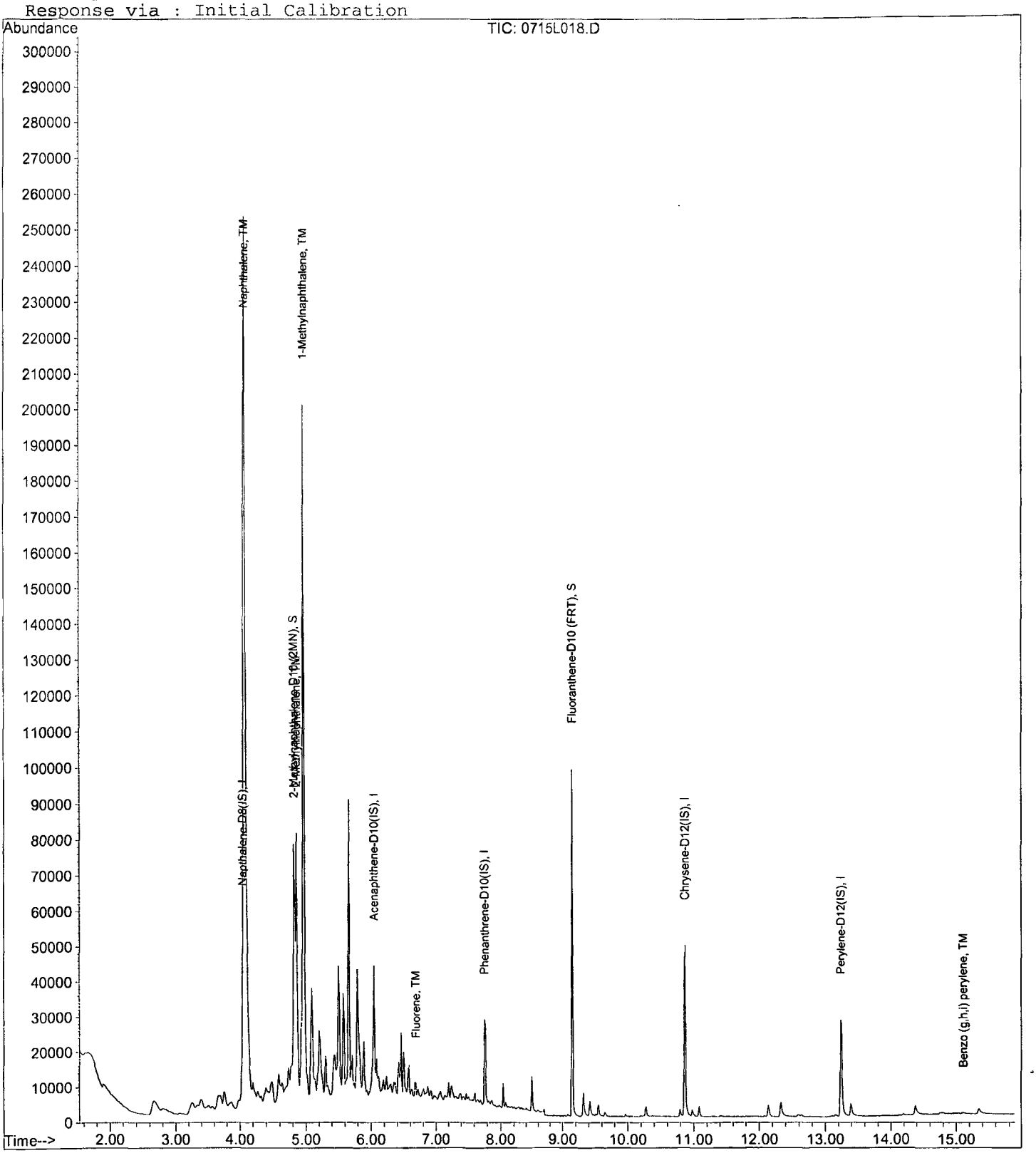
(#) = qualifier out of range (m) = manual integration
0715L018.D L0715.M Tue Jul 27 17:02:33 2021 Page 1

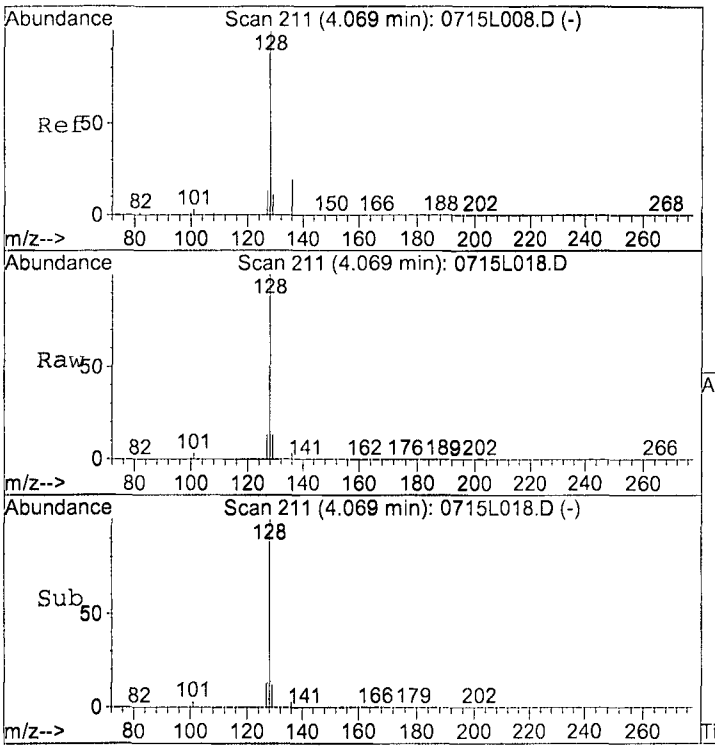
Quantitation Report

Data File : M:\LINUS\DATA\L210715\0715L018.D Vial: 18
Acq On : 15 Jul 21 14:09 Operator: LS
Sample : BA35748W06 1/840 Inst : Linus
Misc : Multiplr: 1.19

Quant Time: Jul 16 10:05 2021 Quant Results File: L0715.RES

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

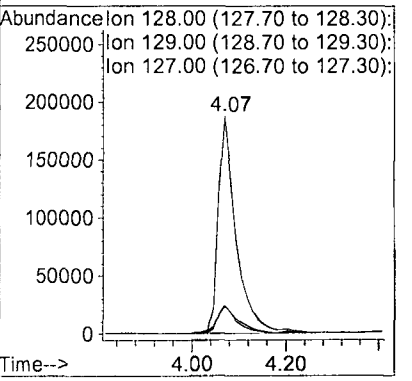


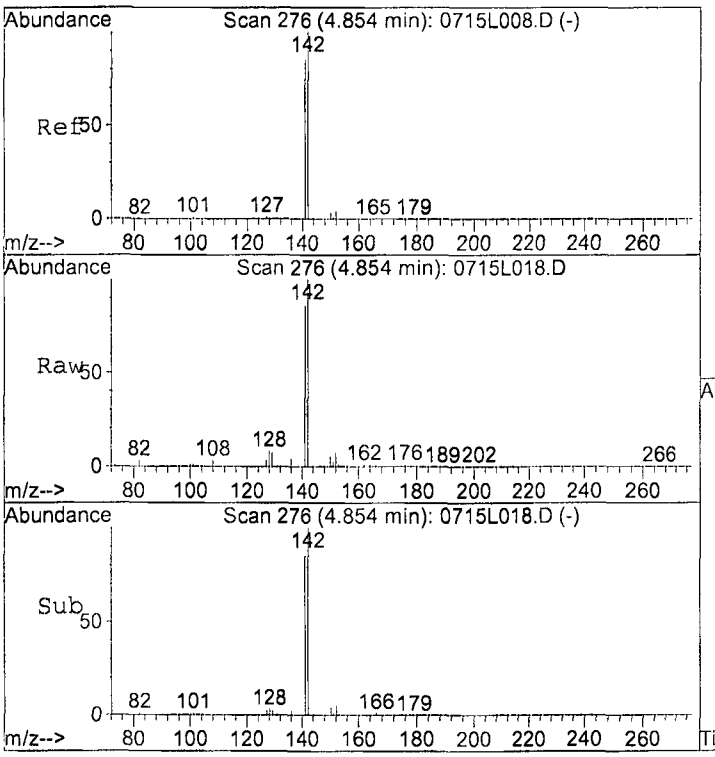


#2
Naphthalene
Concen: 36.78542 ppb
RT: 4.07 min Scan# 211
Delta R.T. 0.00 min
Lab File: 0715L018.D
Acq: 15 Jul 21 14:09

Tgt Ion:128 Resp: 504460

Ion	Ratio	Lower	Upper
128	100		
129	12.7	7.6	14.2
127	13.1	8.9	16.5

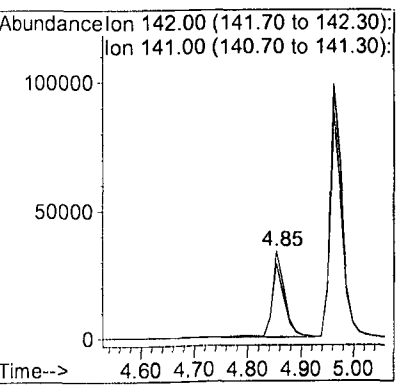


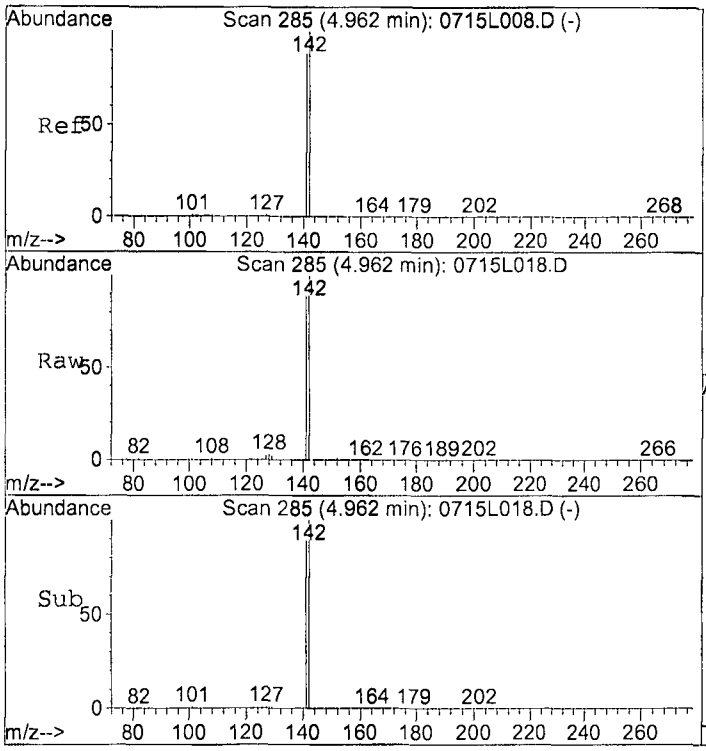


#4
2-Methylnaphthalene
Concen: 6.85841 ppb
RT: 4.85 min Scan# 276
Delta R.T. 0.00 min
Lab File: 0715L018.D
Acq: 15 Jul 21 14:09

Tgt Ion:142 Resp: 55293

Ion	Ratio	Lower	Upper
142	100		
141	85.3	59.9	111.2

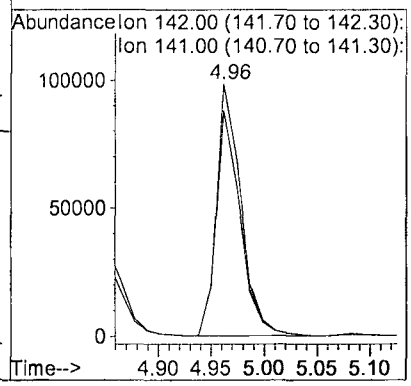


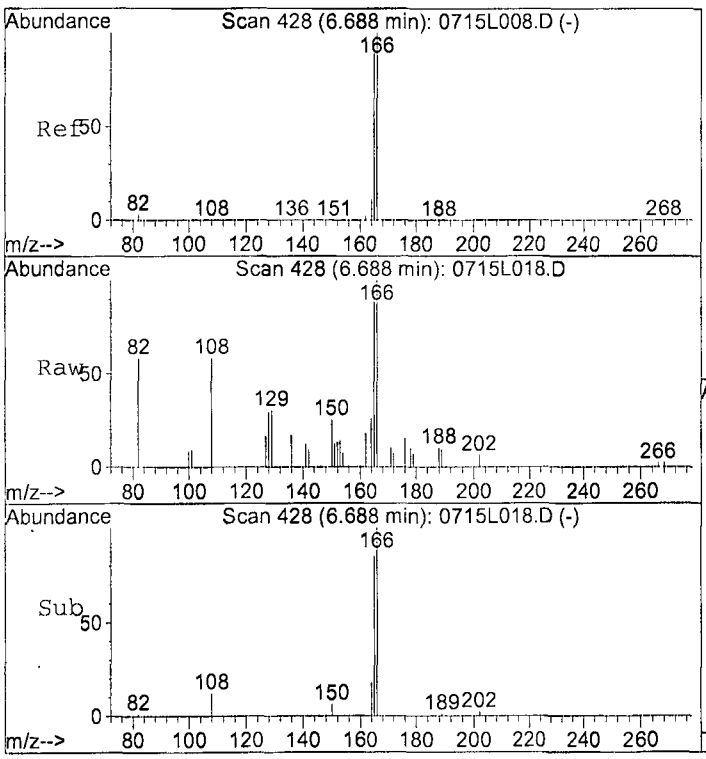


#5
1-Methylnaphthalene
Concen: 19.06200 ppb
RT: 4.96 min Scan# 285
Delta R.T. 0.00 min
Lab File: 0715L018.D
Acq: 15 Jul 21 14:09

Tgt Ion:142 Resp: 156482

Ion	Ratio	Lower	Upper
142	100		
141	89.2	61.7	114.5

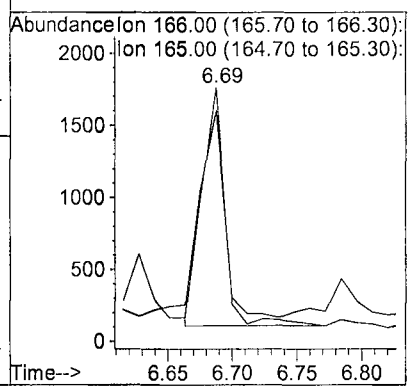


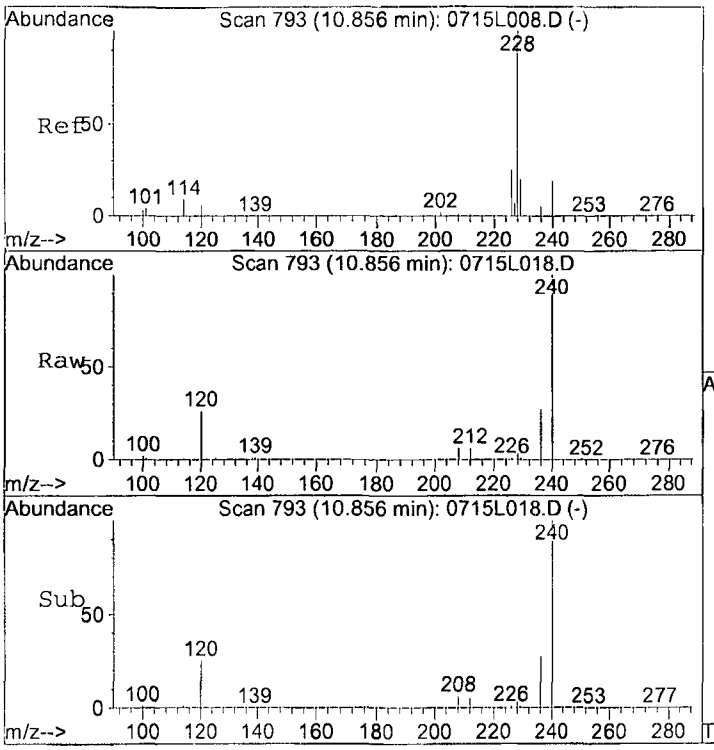


#9
Fluorene
Concen: 0.22196 ppb
RT: 6.69 min Scan# 428
Delta R.T. 0.00 min
Lab File: 0715L018.D
Acq: 15 Jul 21 14:09

Tgt Ion:166 Resp: 2066

Ion	Ratio	Lower	Upper
166	100		
165	84.5	62.4	115.8

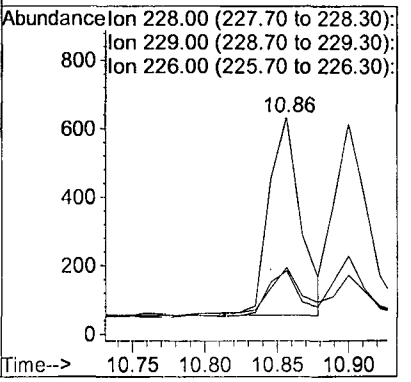


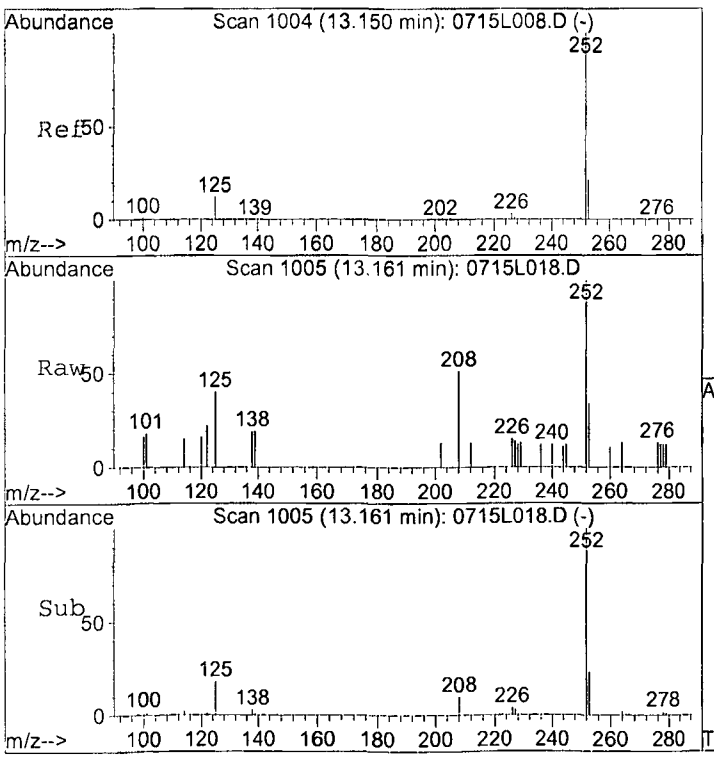


#17
Benz (a) anthracene
Concen: 0.04408 ppb
RT: 10.86 min Scan# 793
Delta R.T. 0.00 min
Lab File: 0715L018.D
Acq: 15 Jul 21 14:09

Tgt Ion:228 Resp: 899

Ion	Ratio	Lower	Upper
228	100		
229	24.2	13.9	25.7
226	23.2	17.6	32.6

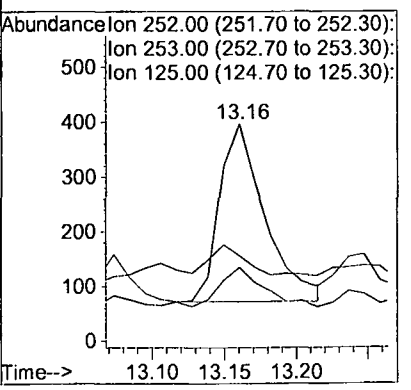


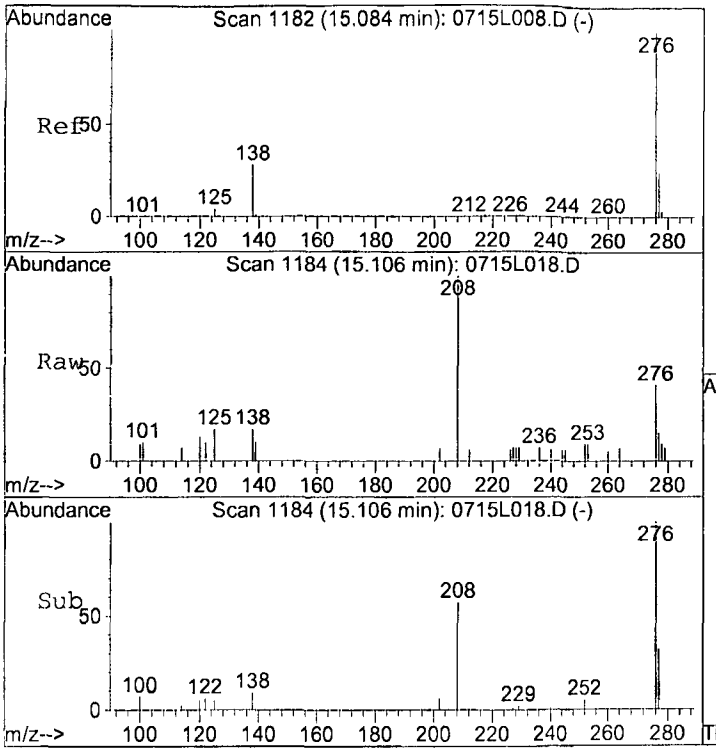


#23
Benzo (a) pyrene
Concen: 0.04037 ppb
RT: 13.16 min Scan# 1005
Delta R.T. 0.01 min
Lab File: 0715L018.D
Acq: 15 Jul 21 14:09

Tgt Ion:252 Resp: 704

Ion	Ratio	Lower	Upper
252	100		
253	22.2	15.0	27.8
125	11.4	8.5	15.9

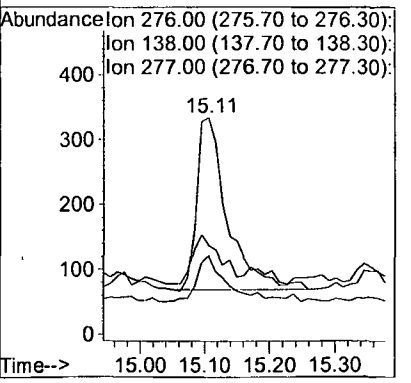




#25
Benzo (g,h,i) perylene
Concen: 0.05065 ppb
RT: 15.11 min Scan# 1184
Delta R.T. 0.02 min
Lab File: 0715L018.D
Acq: 15 Jul 21 14:09

Tgt Ion:276 Resp: 886

Ion	Ratio	Lower	Upper
276	100		
138	22.3	19.7	36.7
277	26.4	16.5	30.6



Quantitation Report (QT Reviewed)

Data File : M:\LINUS\DATA\L210715\0715L019.D Vial: 19
Acq On : 15 Jul 21 14:31 Operator: LS
Sample : BA35750W05 1/800 Inst : Linus
Misc : Multiplr: 1.25

Quant Time: Jul 16 10:08 2021 Quant Results File: L0715.RES

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

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Napthalene-D8(IS)	4.05	136	21471	2.50000 ppb	0.00
6) Acenaphthene-D10(IS)	6.05	164	10802	2.50000 ppb	0.00
10) Phenanthrene-D10(IS)	7.76	188	18068	2.50000 ppb	0.00
15) Chrysene-D12(IS)	10.87	240	44781	2.50000 ppb	0.00
20) Perylene-D12(IS)	13.25	264	41701	2.50000 ppb	0.00
System Monitoring Compounds					
3) 2-Methylnaphthalene-D10 (2	4.82	152	38365	4.72461 ppb	0.00
Spiked Amount 6.250			Recovery =	75.600%	
13) Fluoranthene-D10 (FRT)	9.15	212	55170	4.96185 ppb	0.00
Spiked Amount 6.250			Recovery =	79.392%	

Target Compounds Qvalue

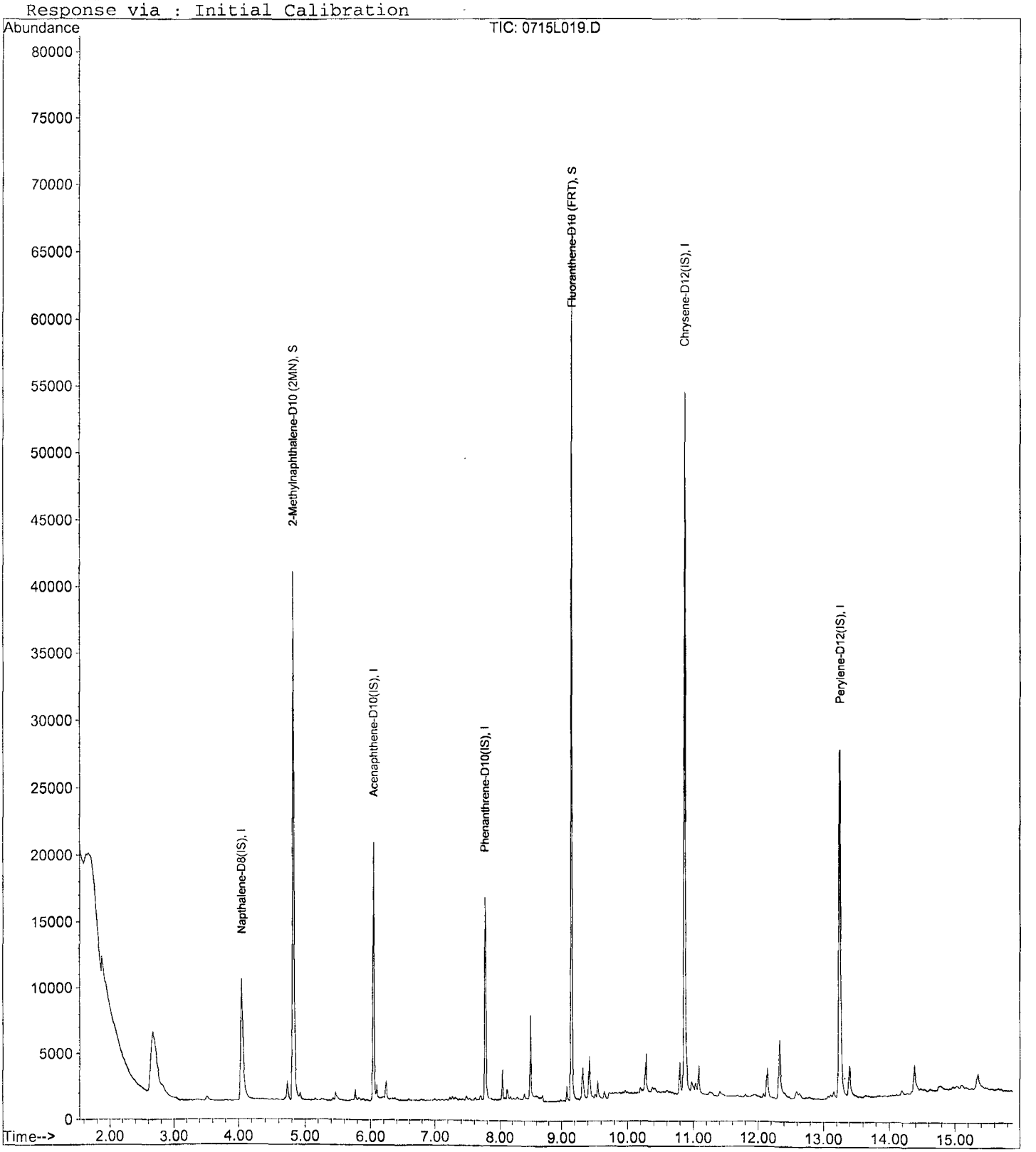
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\LINUS\DATA\L210715\0715L019.D Vial: 19
Acq On : 15 Jul 21 14:31 Operator: LS
Sample : BA35750W05 1/800 Inst : Linus
Misc : Multiplr: 1.25

Quant Time: Jul 16 10:08 2021 Quant Results File: L0715.RES

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



Quantitation Report (QT Reviewed)

Data File : M:\LINUS\DATA\L210715\0715L020.D Vial: 20
Acq On : 15 Jul 21 14:53 Operator: LS
Sample : BA35753W05 1/860 Inst : Linus
Misc : Multiplr: 1.16

Quant Time: Jul 16 10:08 2021 Quant Results File: L0715.RES

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

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Napthalene-D8(IS)	4.05	136	39257	2.50000 ppb	0.00
6) Acenaphthene-D10(IS)	6.05	164	19319	2.50000 ppb	0.00
10) Phenanthrene-D10(IS)	7.76	188	34413	2.50000 ppb	0.00
15) Chrysene-D12(IS)	10.87	240	50632	2.50000 ppb	0.00
20) Perylene-D12(IS)	13.25	264	27318	2.50000 ppb	0.00
System Monitoring Compounds					
3) 2-Methylnaphthalene-D10 (2	4.82	152	77224	4.83849 ppb	0.00
Spiked Amount 5.814			Recovery	= 83.214%	
13) Fluoranthene-D10 (FRT)	9.15	212	115346	5.06667 ppb	0.00
Spiked Amount 5.814			Recovery	= 87.152%	

Target Compounds Qvalue

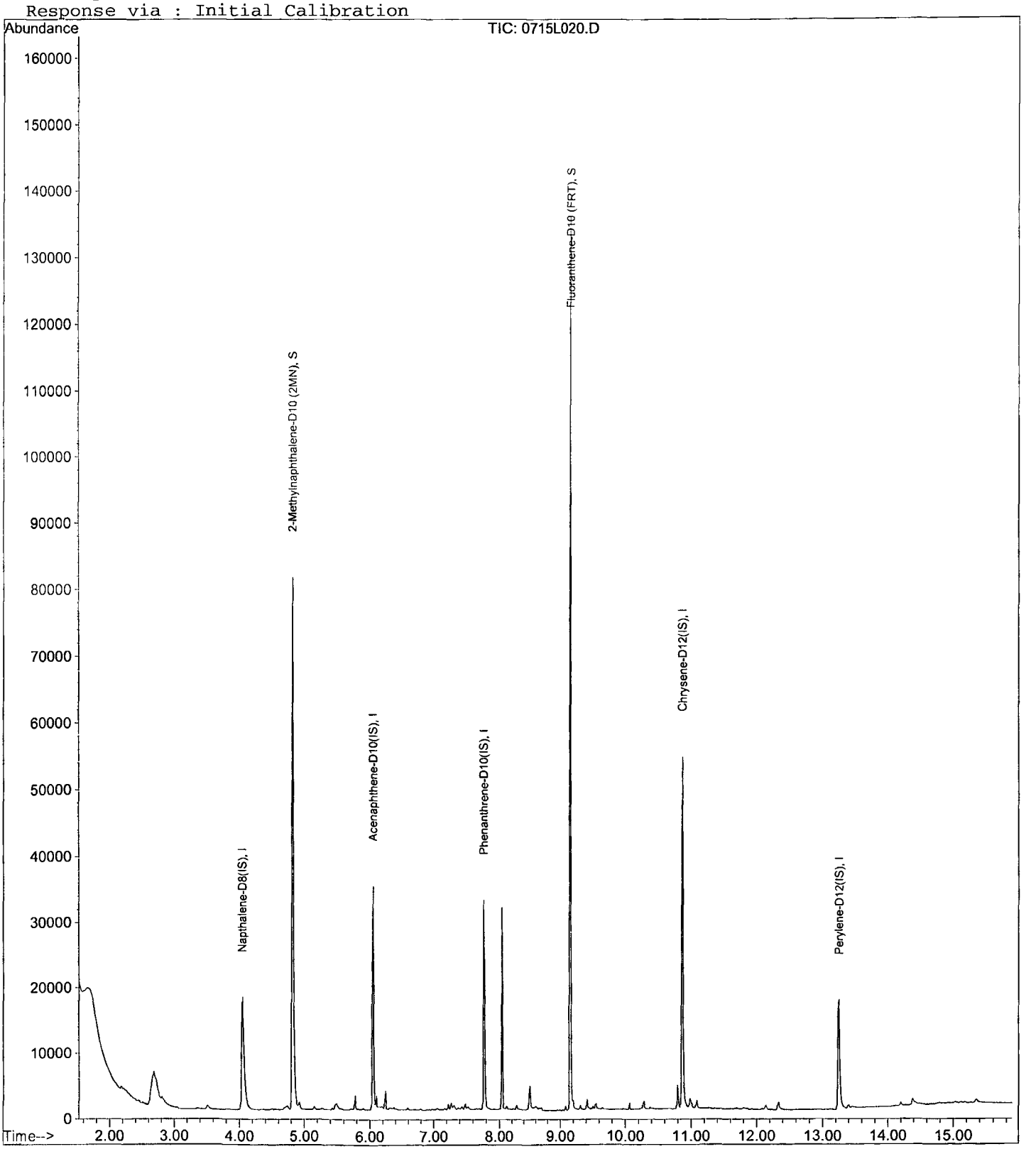
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\LINUS\DATA\L210715\0715L020.D Vial: 20
Acq On : 15 Jul 21 14:53 Operator: LS
Sample : BA35753W05 1/860 Inst : Linus
Misc : Multiplr: 1.16

Quant Time: Jul 16 10:08 2021 Quant Results File: L0715.RES

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



Quantitation Report (QT Reviewed)

Data File : M:\LINUS\DATA\L210715\0715L014.D Vial: 14
Acq On : 15 Jul 21 12:40 Operator: LS
Sample : 210713A BLK 1/1000 Inst : Linus
Misc : Multiplr: 1.00

Quant Time: Jul 16 9:57 2021 Quant Results File: L0715.RES

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Napthalene-D8(IS)	4.05	136	45618	2.50000	ppb	0.00
6) Acenaphthene-D10(IS)	6.05	164	22099	2.50000	ppb	0.00
10) Phenanthrene-D10(IS)	7.77	188	33506	2.50000	ppb	0.01
15) Chrysene-D12(IS)	10.87	240	55397	2.50000	ppb	0.00
20) Perylene-D12(IS)	13.25	264	48970	2.50000	ppb	0.00
System Monitoring Compounds						
3) 2-Methylnaphthalene-D10 (2	4.82	152	79862	3.70320	ppb	0.00
Spiked Amount 5.000			Recovery = 74.060%			
13) Fluoranthene-D10 (FRT)	9.15	212	112422	4.36184	ppb	0.00
Spiked Amount 5.000			Recovery = 87.240%			

Target Compounds	Qvalue

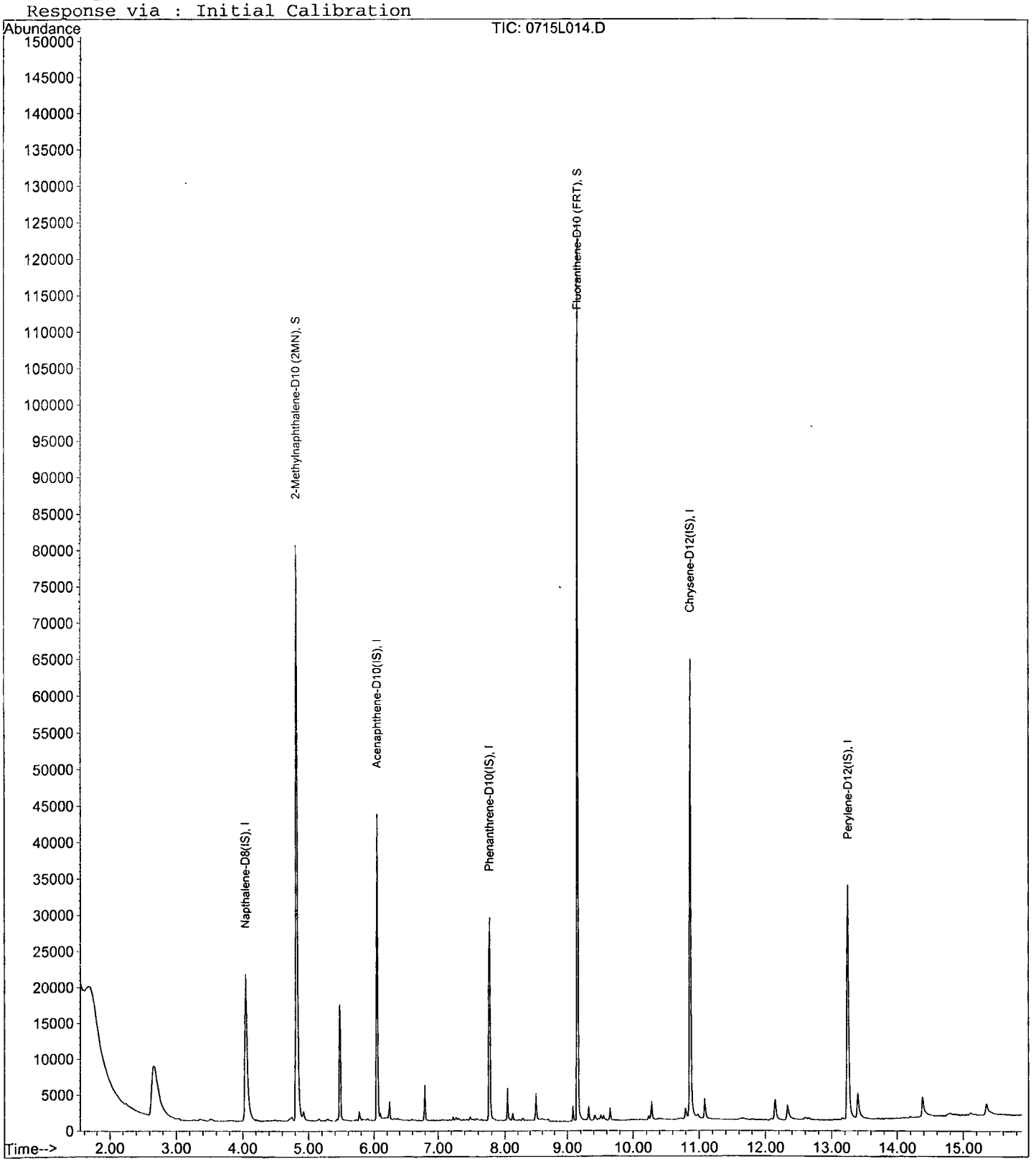
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\LINUS\DATA\L210715\0715L014.D Vial: 14
Acq On : 15 Jul 21 12:40 Operator: LS
Sample : 210713A BLK 1/1000 Inst : Linus
Misc : Multiplr: 1.00

Quant Time: Jul 16 9:57 2021 Quant Results File: L0715.RES

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



Quantitation Report (Not Reviewed)

Data File : M:\LINUS\DATA\L210715\0715L015.D Vial: 15
Acq On : 15 Jul 21 13:02 Operator: LS
Sample : 210713A LCS-1 1/1000 Inst : Linus
Misc : Multiplr: 1.00

Quant Time: Jul 15 15:07 2021 Quant Results File: L0715.RES

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Napthalene-D8(IS)	4.05	136	35203	2.50000	ppb	0.00
6) Acenaphthene-D10(IS)	6.05	164	17199	2.50000	ppb	0.00
10) Phenanthrene-D10(IS)	7.76	188	31495	2.50000	ppb	0.00
15) Chrysene-D12(IS)	10.87	240	46779	2.50000	ppb	0.00
20) Perylene-D12(IS)	13.25	264	42492	2.50000	ppb	0.00
System Monitoring Compounds						
3) 2-Methylnaphthalene-D10 (2	4.82	152	77762	4.67262	ppb	0.00
Spiked Amount 5.000			Recovery	= 93.460%		
13) Fluoranthene-D10 (FRT)	9.15	212	117299	4.84165	ppb	0.00
Spiked Amount 5.000			Recovery	= 96.840%		
Target Compounds						Qvalue
2) Naphthalene	4.07	128	76159	4.59884	ppb	100
4) 2-Methylnaphthalene	4.85	142	43929	4.51214	ppb	98
5) 1-Methylnaphthalene	4.96	142	44658	4.50486	ppb	99
7) Acenaphthylene	5.88	152	161464	4.92657	ppb	100
8) Acenaphthene	6.08	154	39466	4.48973	ppb	99
9) Fluorene	6.68	166	54335	5.02343	ppb	91
11) Phenanthrene	7.80	178	78186	4.59263	ppb	99
12) Anthracene	7.86	178	72878	4.70092	ppb	100
14) Fluoranthene	9.17	202	125537	4.89121	ppb	97
16) Pyrene	9.43	202	127570	4.62643	ppb	98
17) Benz (a) anthracene	10.86	228	117078	4.78410	ppb	99
18) Chrysene	10.90	228	113110	4.43220	ppb	99
19) Indeno (1,2,3-cd) pyrene	14.74	276	111152	4.65096	ppb	91
21) Benzo (b) fluoranthene	12.57	252	102879	4.73020	ppb	98
22) Benzo (k) fluoranthene	12.63	252	119154	4.98548	ppb	98
23) Benzo (a) pyrene	13.15	252	99249	4.80190	ppb	98
24) Dibenz (a,h) anthracene	14.78	278	93707	4.88193	ppb	97
25) Benzo (g,h,i) perylene	15.08	276	96069	4.63292	ppb	93

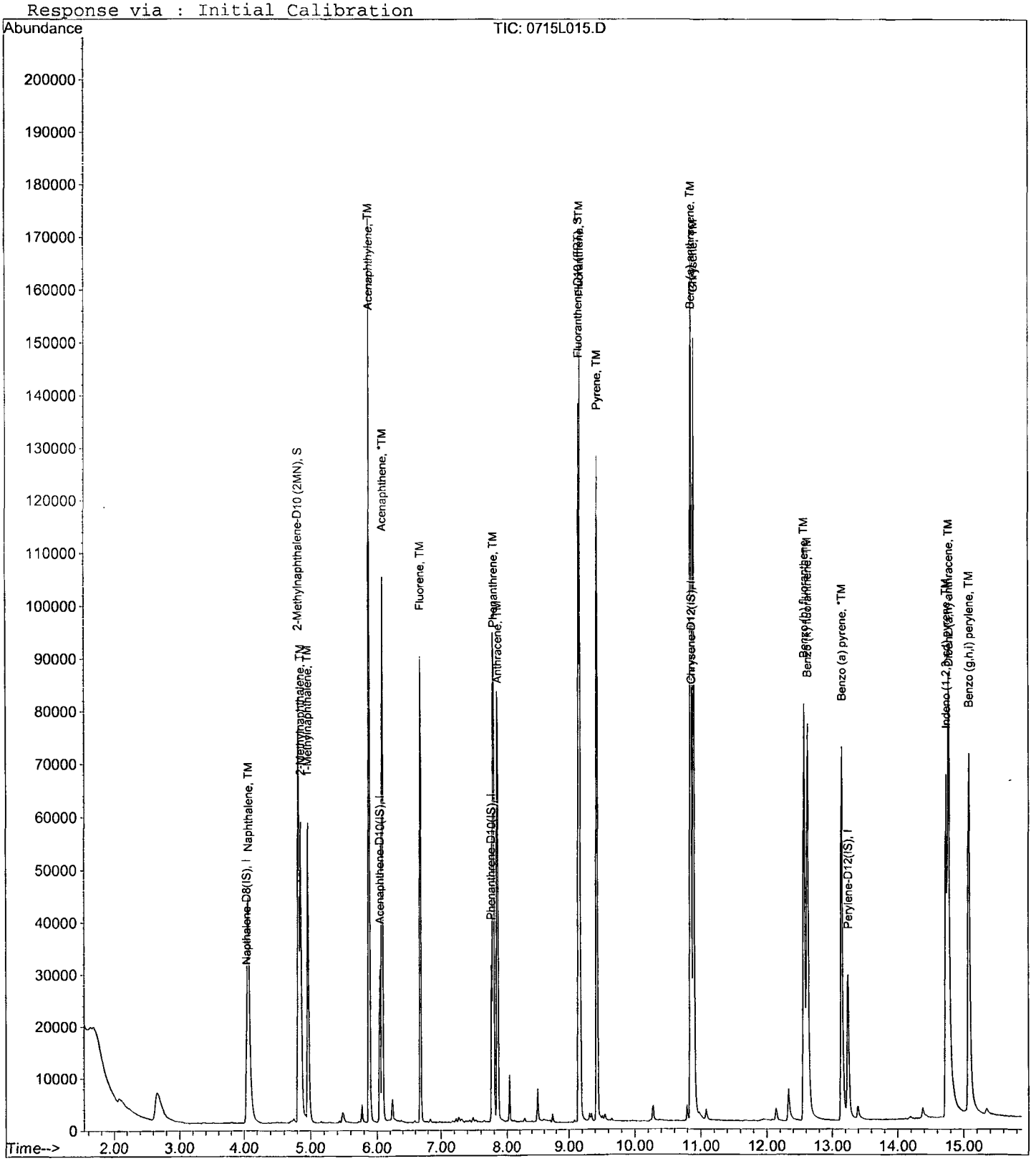
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\LINUS\DATA\L210715\0715L015.D Vial: 15
Acq On : 15 Jul 21 13:02 Operator: LS
Sample : 210713A LCS-1 1/1000 Inst : Linus
Misc : Multiplr: 1.00

Quant Time: Jul 15 15:07 2021 Quant Results File: L0715.RES

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



Quantitation Report (Not Reviewed)

Data File : M:\LINUS\DATA\L210715\0715L016.D Vial: 16
Acq On : 15 Jul 21 13:25 Operator: LS
Sample : 210713A LCSD-1 1/1000 Inst : Linus
Misc : Multiplr: 1.00

Quant Time: Jul 15 15:07 2021 Quant Results File: L0715.RES

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

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Napthalene-D8(IS)	4.05	136	39179	2.50000 ppb	0.00
6) Acenaphthene-D10(IS)	6.05	164	19428	2.50000 ppb	0.00
10) Phenanthrene-D10(IS)	7.76	188	33238	2.50000 ppb	0.00
15) Chrysene-D12(IS)	10.87	240	50601	2.50000 ppb	0.00
20) Perylene-D12(IS)	13.25	264	45855	2.50000 ppb	0.00
System Monitoring Compounds					
3) 2-Methylnaphthalene-D10 (2	4.82	152	76685	4.14028 ppb	0.00
Spiked Amount 5.000			Recovery	= 82.800%	
13) Fluoranthene-D10 (FRT)	9.15	212	121755	4.76204 ppb	0.00
Spiked Amount 5.000			Recovery	= 95.240%	
Target Compounds					Qvalue
2) Naphthalene	4.07	128	77676	4.21444 ppb	100
4) 2-Methylnaphthalene	4.85	142	44950	4.14846 ppb	98
5) 1-Methylnaphthalene	4.96	142	45792	4.15047 ppb	99
7) Acenaphthylene	5.88	152	162863	4.39913 ppb	100
8) Acenaphthene	6.08	154	40794	4.10836 ppb	99
9) Fluorene	6.68	166	55791	4.56625 ppb	90
11) Phenanthrene	7.80	178	78578	4.37361 ppb	99
12) Anthracene	7.86	178	73466	4.49035 ppb	99
14) Fluoranthene	9.17	202	129414	4.77785 ppb	99
16) Pyrene	9.43	202	132106	4.42907 ppb	98
17) Benz (a) anthracene	10.86	228	119472	4.51318 ppb	100
18) Chrysene	10.90	228	118492	4.29239 ppb	99
19) Indeno (1,2,3-cd) pyrene	14.74	276	114225	4.41853 ppb	94
21) Benzo (b) fluoranthene	12.57	252	114951	4.89763 ppb	99
22) Benzo (k) fluoranthene	12.63	252	113025	4.38221 ppb	99
23) Benzo (a) pyrene	13.15	252	100730	4.51613 ppb	98
24) Dibenz (a,h) anthracene	14.78	278	95758	4.62290 ppb	99
25) Benzo (g,h,i) perylene	15.08	276	97963	4.37778 ppb	97

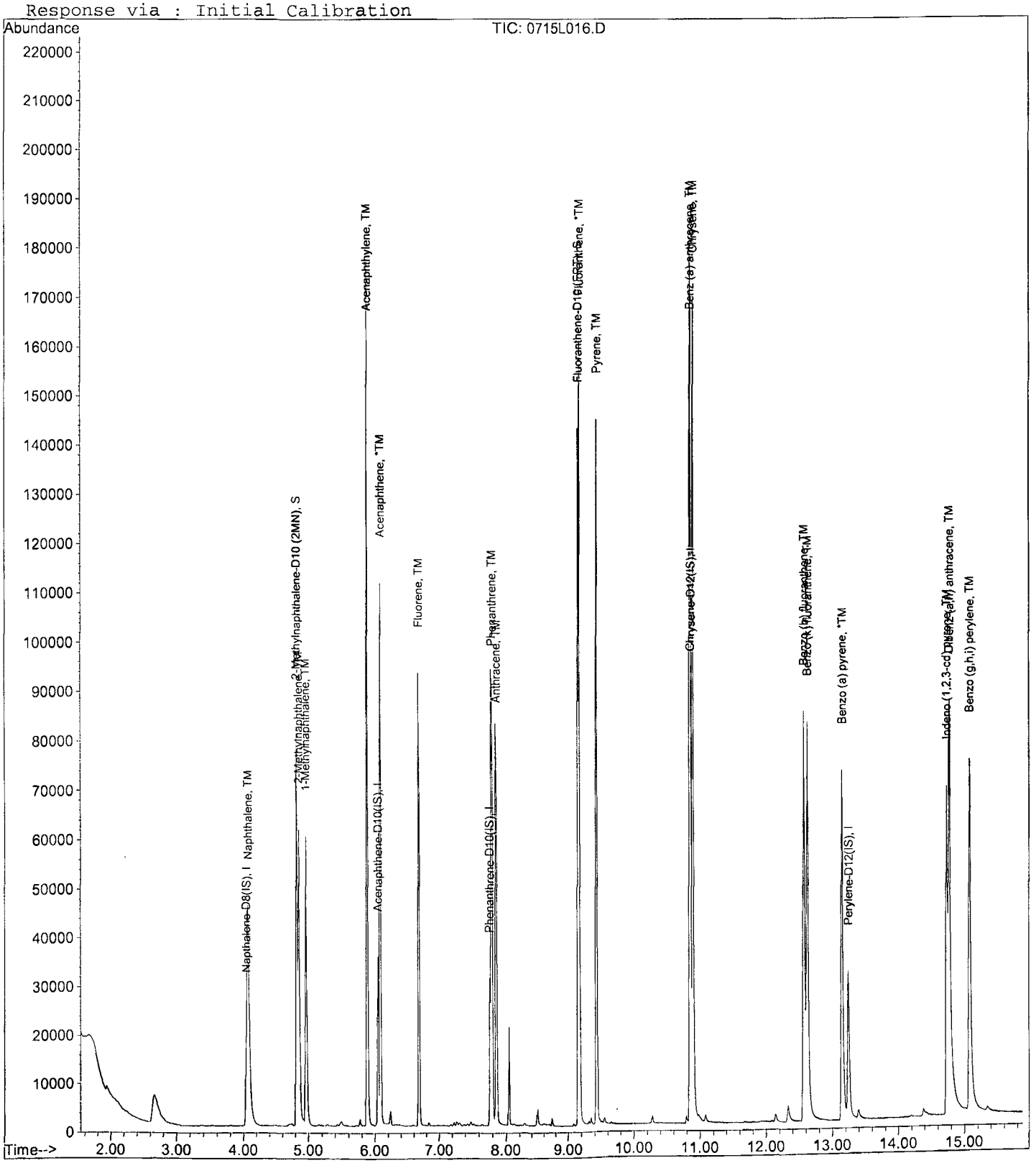
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\LINUS\DATA\L210715\0715L016.D Vial: 16
Acq On : 15 Jul 21 13:25 Operator: LS
Sample : 210713A LCSD-1 1/1000 Inst : Linus
Misc : Multiplr: 1.00

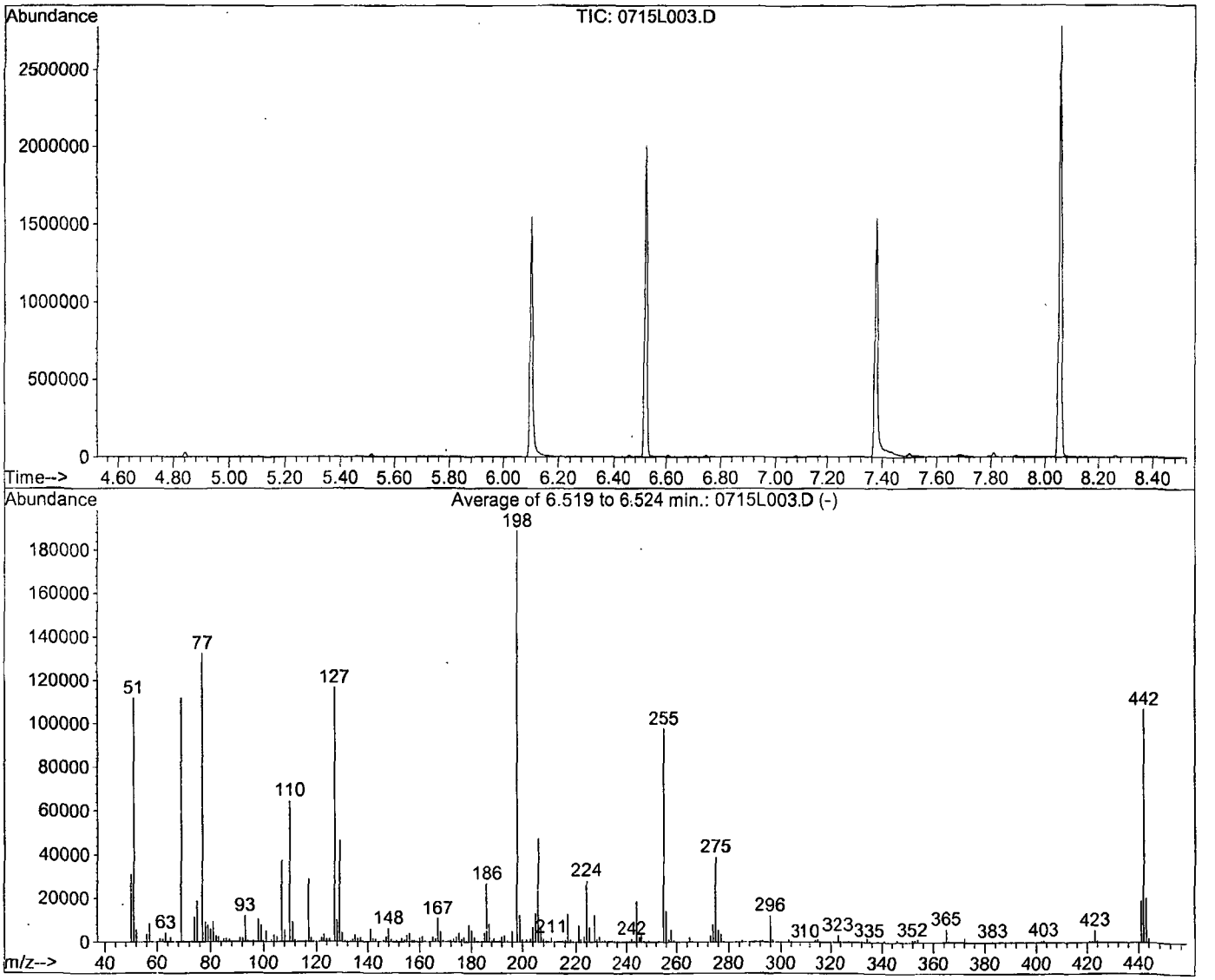
Quant Time: Jul 15 15:07 2021 Quant Results File: L0715.RES

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



Data File : M:\LINUS\DATA\L210715\0715L003.D Vial: 3
Acq On : 15 Jul 21 8:48 Operator: LS
Sample : SV TUNE 7/2/21 Inst : Linus
Misc : Multiplr: 1.00

Method : M:\LINUS\DATA\L210715\L0324.M (RTE Integrator)
Title : EPA 8270



AutoFind: Scans 1580, 1581, 1582; Background Corrected with Scan 1572

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	59.2	111892	PASS
68	69	0.00	2	0.0	0	PASS
70	69	0.00	2	0.5	615	PASS
127	198	10	80	61.7	116643	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	188928	PASS
199	198	5	9	6.6	12463	PASS
275	198	10	60	20.7	39029	PASS
365	198	1	100	3.2	6011	PASS
441	442	0.01	24	17.9	19195	PASS
442	198	50	500	56.6	107027	PASS
443	442	15	24	19.1	20450	PASS

Data File Name:	**0715L003.D**
Data File Path:	**M:\LINUS\DATA\L210715**
Operator:	**LS**
Date Acquired:	**15 Jul 2021 08:48**
Method File:	**DFTPP2.M**
Sample Name:	**SV TUNE 7/2/21**
Vial Number:	**3**
Instrument Name:	**Linus**

#	Name	Ret Time	Target Response
1)	DDT	8.08	19115000
2)	DDD	7.83	189890
3)	DDE	7.55	0

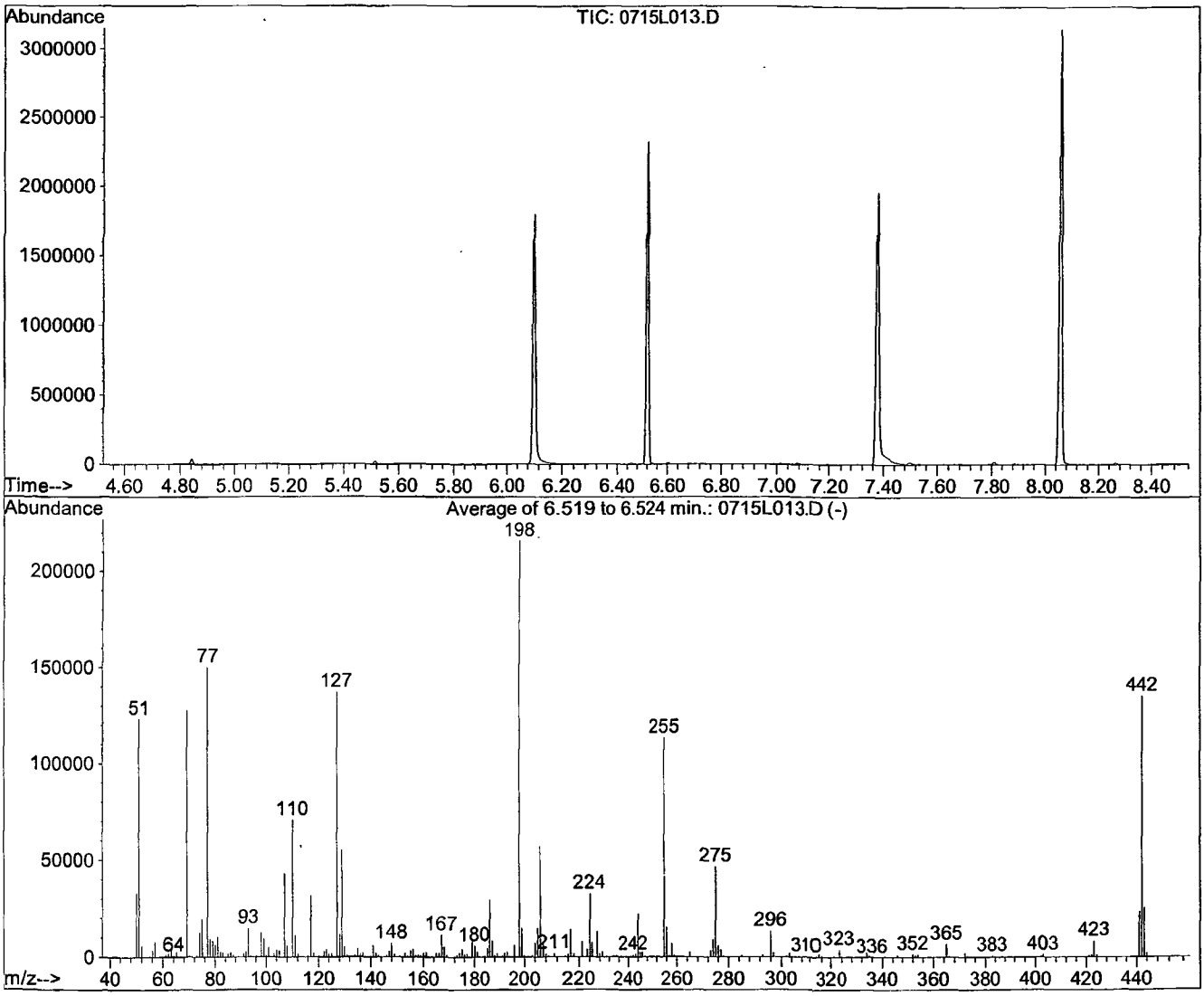
Breakdown **0.98**

DFTPP

Data File : M:\LINUS\DATA\L210715\0715L013.D
Acq On : 15 Jul 21 12:22
Sample : SV TUNE 7/2/21
Misc :

Vial: 13
Operator: LS
Inst : Linus
Multiplr: 1.00

Method : M:\LINUS\DATA\L210715\L0715.M (RTE Integrator)
Title : EPA 8270



AutoFind: Scans 1580, 1581, 1582; Background Corrected with Scan 1572

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	57.0	123331	PASS
68	69	0.00	2	0.0	0	PASS
70	69	0.00	2	0.6	810	PASS
127	198	10	80	63.5	137325	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	216405	PASS
199	198	5	9	7.0	15219	PASS
275	198	10	60	21.6	46715	PASS
365	198	1	100	3.1	6784	PASS
441	442	0.01	24	17.6	23864	PASS
442	198	50	500	62.6	135496	PASS
443	442	15	24	18.9	25621	PASS

Data File Name:	**0715L013.D**
Data File Path:	**M:\LINUS\DATA\L210715**
Operator:	**LS**
Date Acquired:	**15 Jul 2021 12:22**
Method File:	**DFTPP2.M**
Sample Name:	**SV TUNE 7/2/21**
Vial Number:	**13**
Instrument Name:	**Linus**

#	Name	Ret Time	Target Response
1)	DDT	8.08	21959600
2)	DDD	7.83	137340
3)	DDE	7.55	0

Breakdown **0.62**

Name of Final Standard SIM Curve — **Prep'd By (Initials)** LS

Prep Date 07/08/21

Exp Date 06/17/22

Initial Standard Information						Final Standard Information			
Name of Initial Standard (from container Label)	Supplier	Supplier P/N# (or APPL Mix Name)	Conc. (range)	Lot # with QA # (or reference to APPL prep date)	Exp Date	Aliquot from Stock	Final Volume	Final Solvent + Lot# (or APPL Prep Date)	Final Standard Conc (range)
1.0 ug/mL SIM	APPL	1.0 ug/mL SIM	1.0 ug/mL	07/08/21	06/17/22	10 uL	100uL	MC 60338 90uL	0.1 ug/mL
SIM Internal Standard	APPL	SIM Internal Standard	125 ug/mL	06/17/21	06/17/22	2 uL	*	*	2.5ug/mL
1.0 ug/mL SIM	APPL	1.0 ug/mL SIM	1.0 ug/mL	07/08/21	06/17/22	20 uL	100uL	MC 60338 80uL	0.2 ug/mL
SIM Internal Standard	APPL	SIM Internal Standard	125 ug/mL	06/17/21	06/17/22	2 uL	*	*	2.5ug/mL
5.0 ug/mL SIM	APPL	5.0 ug/mL SIM	5.0 ug/mL	07/08/21	06/17/22	10 uL	100uL	MC 60338 90uL	0.5 ug/mL
SIM Internal Standard	APPL	SIM Internal Standard	125 ug/mL	06/17/21	06/17/22	2 uL	*	*	2.5ug/mL
5.0 ug/mL SIM	APPL	5.0 ug/mL SIM	5.0 ug/mL	07/08/21	06/17/22	20 uL	100uL	MC 60338 80 uL	1.0 ug/mL
SIM Internal Standard	APPL	SIM Internal Standard	125 ug/mL	06/17/21	06/17/22	2 uL	*	*	2.5ug/mL
SIM STOCK	APPL	SIM STOCK	200 ug/mL	06/17/21	06/17/22	5 uL	200uL	MC 60338 190 uL	5.0 ug/mL
SIM SURROGATE	APPL	SIM SURR	100 ug/mL	06/17/21	06/17/22	5 uL	*	*	2.5ug/mL
SIM Internal Standard	APPL	SIM Internal Standard	125 ug/mL	06/17/21	06/17/22	4 uL	*	*	2.5ug/mL
SIM STOCK	APPL	SIM STOCK	200 ug/mL	06/17/21	06/17/22	5 uL	100 uL	MC 60338 90 uL	10 ug/mL
SIM SURROGATE	APPL	SIM SURR	100 ug/mL	06/17/21	06/17/22	5 uL	*	*	5 ug/mL
SIM Internal Standard	APPL	SIM Internal Standard	125 ug/mL	06/17/21	06/17/22	2 uL	*	*	2.5ug/mL
SIM STOCK	APPL	SIM STOCK	200 ug/mL	06/17/21	06/17/22	25 uL	100uL	MC 60338 50 uL	50 ug/mL
SIM SURROGATE	APPL	SIM SURR	100 ug/mL	06/17/21	06/17/22	25 uL	*	*	25 ug/mL
SIM Internal Standard	APPL	SIM Internal Standard	125 ug/mL	06/17/21	06/17/22	2 uL	*	*	2.5ug/mL
SIM STOCK	APPL	SIM STOCK	200 ug/mL	06/17/21	06/17/22	50 uL	100uL	na	100 ug/mL
SIM SURROGATE	APPL	SIM SURR	100 ug/mL	06/17/21	06/17/22	50 uL	*	*	50 ug/mL
SIM Internal Standard	APPL	SIM Internal Standard	125 ug/mL	06/17/21	06/17/22	2 uL	*	*	2.5ug/mL

Name of Final Standard 8270 PAH SIM Second Source — **Prep'd By (Initials)** LS

Prep Date 07/08/21

Exp Date 06/17/22

Initial Standard Information						Final Standard Information			
Name of Initial Standard (from container Label)	Supplier	Supplier P/N# (or APPL Mix Name)	Conc. (range)	Lot # with QA # (or reference to APPL prep date)	Exp Date	Aliquot from Stock	Final Volume	Final Solvent + Lot# (or APPL Prep Date)	Final Standard Conc (range)
PAH SIM SS Stock	Phenova	AL0-130490	200 ug/mL	06/17/21	06/17/22	5 uL	200uL	MC 60338 195uL	5 ug/mL
SIM Internal Standard	APPL	SIM Internal Standard	125 ug/mL	06/17/21	06/17/22	4 uL	*	*	2.5ug/mL

Name of Final Standard	PAH SIM Stock (Ampule)	Prep'd By (Initials)	LS
Prep Date	06/17/21		
Exp Date	06/17/22		

Initial Standard Information						Final Standard Information			
Name of Initial Standard (from contianer Label)	Supplier	Supplier P/N# (or APPL Mix Name)	Conc.(range)	Lot # with QA # (or reference to APPL prep date)	Exp Date	Aliquot from Stock	Final Volume	Final Solvent + Lot# (or APPL Prep Date)	Final Standard Conc (range)
Custom PAH SIM Mix	Phenova	ALO-130490	200 ug/mL	**CL13121-52443**	**12/31/22**	1000 uL	1mL	**NA**	200 ug/mL

Name of Final Standard	SIM Surrogate	Prep'd By (Initials)	LS
Prep Date	06/17/21		
Exp Date	06/17/22		

Initial Standard Information						Final Standard Information			
Name of Initial Standard (from contianer Label)	Supplier	Supplier P/N# (or APPL Mix Name)	Conc.(range)	Lot # with QA # (or reference to APPL prep date)	Exp Date	Aliquot from Stock	Final Volume	Final Solvent + Lot# (or APPL Prep Date)	Final Standard Conc (range)
Sim Surrogate Deuterated	Restek	33913	2000 ug/mL	**A0161454-50793**	**05/31/26**	1 mL	20 mL	**Acetone #0246130**	100 ug/mL

Name of Final Standard	8270 SIM PAH Internal Standard	Prep'd By (Initials)	LS
Prep Date	06/17/21		
Exp Date	06/17/22		

Initial Standard Information						Final Standard Information			
Name of Initial Standard (from contianer Label)	Supplier	Supplier P/N# (or APPL Mix Name)	Conc.(range)	Lot # with QA # (or reference to APPL prep date)	Exp Date	Aliquot from Stock	Final Volume	Final Solvent + Lot# (or APPL Prep Date)	Final Standard Conc (range)
SV Internal Standard	Restek	31206	2000 ug/mL	**A0162879-50593**	**06/30/26**	625uL	10mL	**MC 60338**	125 ug/mL

Name of Final Standard	SIM SS Stock (Ampule second source)	Prep'd By	LS
Prep Date	06/17/21		
Exp Date	06/17/22		

Initial Standard Information						Final Standard Information			
Name of Initial Standard (from contianer Label)	Supplier	Supplier P/N# (or APPL Mix Name)	Conc.(range)	Lot # with QA # (or reference to APPL prep date)	Exp Date	Aliquot from Stock	Final Volume	Final Solvent + Lot# (or APPL Prep Date)	Final Standard Conc (range)
Custom PAH SIM Mix	Phenova	ALO-130490	200 ug/mL	**CL13117-51757**	**12/31/22**	1000 uL	1mL	**NA**	200 ug/mL

Name of Final Standard	SIM Surrogate	Prep'd By (Initials)	LS
Prep Date	04/08/21		
Exp Date	04/08/22		

Initial Standard Information						Final Standard Information			
Name of Initial Standard (from contianer Label)	Supplier	Supplier P/N# (or APPL Mix Name)	Conc.(range)	Lot # with QA # (or reference to APPL prep date)	Exp Date	Aliquot from Stock	Final Volume	Final Solvent + Lot# (or APPL Prep Date)	Final Standard Conc (range)
Sim Surrogate Deuterated	Restek	33913	2000 ug/mL	A0161454-50791, 50792, 50794	05/31/26	2.5mL	50 mL	Acetone #241320	100 ug/mL

Name of Final Standard	**SIM Spike**
Prep Date	**05/28/21**
Exp Date	**05/28/22**

Prep'd By (Initials) LS

Initial Standard Information						Final Standard Information			
Name of Initial Standard (from contianer Label)	Supplier	Supplier P/N# (or APPL Mix Name)	Conc.(range)	Lot # with QA # (or reference to APPL prep date)	Exp Date	Aliquot from Stock	Final Volume	Final Solvent + Lot# (or APPL Prep Date)	Final Standard Conc (range)
Custom PAH Sim Mix	Phenova	AL0-130490	200 ug/mL	CL13121- 50767 50768 50769 50770	12/31/22	5 mL	25 mL	**Acetone 0246130**	40 ug/mL

_LIQ003

Organic Extraction Worksheet

Method	Continuous Liquid/Liquid SVOC 3520C	Extraction Set	210713A	Extraction Method	LIQ003	Units	mL

Spiked ID 1	Sim Spike 5-28-21 5-28-22		Surrogate ID 1	SIM Surrogate 11-30-20 11-30-21	
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:	07/13/21 11:35	
Spiked ID 8			Ext. End Time:	07/14/21 6:50	
			GC Requires Extract By:		

pH1	14	07/13/21 8:48	Water Bath Temp 1 °C	75/73 e-wb6 °C
pH2			Water Bath Temp 2 °C	
pH3			Water Bath Temp 3 °C	

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

	Sample	Sample Container	Spike Amount	Spike ID	Surrogate Amount	Surrogate ID	Extract Amount	Final Volume	pH	Extract Date/Time	Comments
1	210713A Blk				0.050	1	1000	1	14	07/13/21 8:43	
						equip	E-HP11 e-wb6				
2	210713A LCS-1		0.125	1	0.050	1	1000	1	14	07/13/21 8:43	
						equip	E-HP12 e-wb6				
3	210713A LCSD-1		0.125	1	0.050	1	1000	1	14	07/13/21 8:43	
						equip	E-HP13 e-wb6				
4	BA35745	BA35745W05			0.050	1	810	1	14	07/13/21 8:43	96778
						equip	E-HP14 e-wb6				
5	BA35748	BA35748W06			0.050	1	840	1	14	07/13/21 8:43	96778
						equip	E-HP15 e-wb6				
6	BA35750	BA35750W05			0.050	1	800	1	14	07/13/21 8:43	96778
						equip	E-HP16 e-wb6				
7	BA35753	BA35753W05			0.050	1	860	1	14	07/13/21 8:43	96778
						equip	E-HP19 e-wb6				

Solvent and Lot#	
PH Strips	HC148594
Dichloromethane (DCM)	60338
10N NaOH (10mLs)	5-27-21
Filter Paper	400181
Na2SO4	2020120870

Extraction COC Transfer	
Extraction lab employee Initials	KY
GC analyst's initials	CW
Date	7/15/21
Time	1000
Refrigerator	GC_C

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

Modified	07/14/21 2:24:58 PM

Reviewed By: KY **Date** 07/14/21

Injection Log

Directory: M:\LINUS\DATA\L210715\

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	3	0715L003.D	1	SV TUNE 7/2/21		15 Jul 21 8:48
2	4	0715L004.D	1	0.1 SIM 07/08/21		15 Jul 21 9:04
3	5	0715L005.D	1	0.2 SIM 07/08/21		15 Jul 21 9:26
4	6	0715L006.D	1	0.5 SIM 07/08/21		15 Jul 21 9:48
5	7	0715L007.D	1	1 SIM 07/08/21		15 Jul 21 10:10
6	8	0715L008.D	1	5 SIM 07/08/21		15 Jul 21 10:32
7	9	0715L009.D	1	10 SIM 07/08/21		15 Jul 21 10:55
8	10	0715L010.D	1	50 SIM 07/08/21		15 Jul 21 11:17
9	11	0715L011.D	1	100 SIM 07/08/21		15 Jul 21 11:39
10	12	0715L012.D	1	SS SIM 07/08/21		15 Jul 21 12:01
11	13	0715L013.D	1	SV TUNE 7/2/21		15 Jul 21 12:22
12	14	0715L014.D	1	210713A BLK 1/1000		15 Jul 21 12:40
13	15	0715L015.D	1	210713A LCS-1 1/1000		15 Jul 21 13:02
14	16	0715L016.D	1	210713A LCSD-1 1/1000		15 Jul 21 13:25
15	17	0715L017.D	1.23457	BA35745W05 1/810		15 Jul 21 13:47
16	18	0715L018.D	1.19048	BA35748W06 1/840		15 Jul 21 14:09
17	19	0715L019.D	1.25	BA35750W05 1/800		15 Jul 21 14:31
18	20	0715L020.D	1.16279	BA35753W05 1/860		15 Jul 21 14:53
19	39	0715L039.D	1	5 SIM 07/08/21		15 Jul 21 21:54

ORGANICS
Calibration Data

VOLATILE ORGANIC ANALYSIS
VOLATILE ORGANIC COMPOUNDS

Form 6
Initial Calibration

Lab Name: APPL, Inc. SDG No:
Case No: Initial Cal. Date: 07/12/21
Matrix: Water Instrument: Loki Initials: SB

		Compound	1	2	3	4	5	6	7	8	9		Avg	%RSD	Type	r^2	Q	MRF
			0712L12.D	0712L13.D	0712L14.D	0712L15.D	0712L16.D	0712L17.D	0712L18.D	0712L19.D	0712L20.D							
1	I	Fluorobenzene (IS)																
2	TMCL	Dichlorodifluoromethane	0.1231	0.1158	0.1227	0.1422	0.0671	0.1333	0.1235	0.1307	0.1307		0.12	18	TMC	0.999		
3	TM	Freon 114	0.1235	0.1169	0.1037	0.1151	0.0844	0.1201	0.1075	0.1088	0.1094		0.11	10	TM			
4	TMC**L	Chloromethane	0.2553	0.2211	0.1559	0.1533	0.1148	0.1335	0.1296	0.1339	0.1320		0.16	30	TMC**	0.999		
5	TMC*	Vinyl chloride	0.1427	0.1393	0.1285	0.1437	0.1108	0.1371	0.1323	0.1315	0.1341		0.13	7.4	TMC*			
6	TMCL	Bromomethane		0.1440	0.1463	0.1127	0.0968	0.1117	0.1149	0.1083	0.1042		0.12	15	TMC	0.999		
7	TMC	Chloroethane	0.0905	0.0901	0.0901	0.0912	0.0671	0.0804	0.0765	0.0784	0.0859		0.08	10.0	TMC			
8	TM	Dichlorofluoromethane	0.2449	0.2313	0.2308	0.2231	0.1900	0.2230	0.2218	0.2199	0.2190		0.22	6.6	TM			
9	TMC	Trichlorofluoromethane	0.1216	0.1033	0.1110	0.1131	0.0748	0.1157	0.1024	0.1057	0.1079		0.11	13	TMC			
10	TM	Acrolein	0.0172	0.0142	0.0145	0.0145	0.0138	0.0142	0.0135	0.0137	0.0135		0.01	8.0	TM			
11	TMCL	Acetone	0.0296	0.0279	0.0210	0.0207	0.0190	0.0199	0.0187	0.0192	0.0204		0.02	19	TMC	0.995		
12	TMC	Freon-113	0.1156	0.0938	0.1135	0.1088	0.0817	0.1009	0.0972	0.1000	0.0996		0.10	10	TMC			
13	TMC*L	1,1-DCE	0.2441	0.1882	0.1683	0.1734	0.1349	0.1715	0.1577	0.1699	0.1673		0.18	17	TMC*	1.000		
14	TM	t-Butanol	0.0133	0.0109	0.0103	0.0111	0.0109	0.0120	0.0135				0.01	11	TM			
15	TM	Acetonitrile	0.0204	0.0175	0.0164	0.0158	0.0151	0.0159	0.0154	0.0152	0.0167		0.02	10	TM			
16	TMCL	Methyl Acetate	0.1544	0.1150	0.0888	0.0889	0.0791	0.0886	0.0861	0.0864	0.0888		0.10	24	TMC	1.000		
17	TML	Iodomethane	0.1839	0.1135	0.0796	0.0749	0.0601	0.0792	0.0874	0.1051	0.1252		0.10	37	TM	0.994		
18	TM	Acrylonitrile	0.0433	0.0666	0.0485	0.0455	0.0418	0.0501	0.0481	0.0461	0.0461		0.05	15	TM			
19	TMCL	Methylene chloride	0.2862	0.2107	0.1710	0.1427	0.1161	0.1284	0.1224	0.1274	0.1263		0.16	35	TMC	1.000		
20	TMCL	Carbon disulfide	0.2485	0.1968	0.1953	0.1858	0.1629	0.1948	0.1839	0.1811	0.1796		0.19	12	TMC	1.000		
21	TMC	Methyl t-butyl ether (MtBE)	0.2912	0.3001	0.2789	0.3034	0.2352	0.2851	0.2865	0.2930	0.2962		0.29	7.1	TMC			
22	TMCL	Trans-1,2-DCE	0.2564	0.1958	0.1779	0.1593	0.1281	0.1609	0.1512	0.1597	0.1590		0.17	21	TMC	1.000		
23	TM	Diisopropyl Ether	0.3477	0.3381	0.3125	0.3336	0.2859	0.3282	0.3326	0.3348	0.3405		0.33	5.7	TM			
24	TMC**L	1,1-DCA	0.3112	0.2464	0.2316	0.2245	0.1739	0.2053	0.2015	0.2094	0.2087		0.22	17	TMC**	1.000		
25	TML	Vinyl Acetate	0.1618	0.1164	0.1106	0.0808	0.0591	0.0664	0.0663	0.0651	0.0650		0.09	39	TM	1.000		
26	TM	Ethyl tert Butyl Ether	0.1850	0.1703	0.1897	0.1796	0.1452	0.1942	0.1805	0.2039	0.2020		0.18	9.8	TM			
27	TMC	MEK (2-Butanone)	0.0278	0.0265	0.0262	0.0265	0.0260	0.0270	0.0266	0.0262	0.0265		0.03	2.1	TMC			
28	TMCL	Cis-1,2-DCE	0.2991	0.2449	0.1850	0.1938	0.1621	0.1839	0.1741	0.1851	0.1848		0.20	21	TMC	1.000		
29	TML	2,2-Dichloropropane	0.2942	0.2367	0.2008	0.1838	0.1467	0.1760	0.1576	0.1665	0.1621		0.19	24	TM	1.000		
30	TMC*L	Chloroform	0.3081	0.2520	0.2268	0.2236	0.1770	0.2184	0.2041	0.2172	0.2158		0.23	16	TMC*	1.000		
31	TML	Bromochloromethane	0.1585	0.1213	0.0994	0.0911	0.0807	0.0924	0.0871	0.0925	0.0873		0.10	24	TM	0.999		
32	S	Dibromofluoromethane(S)	0.3073	0.3043	0.2465	0.2512	0.2651	0.2676	0.2595	0.2590	0.2513		0.27	8.4	S			
33	TMC	1,1,1-TCA	0.2486	0.1909	0.1905	0.1975	0.1513	0.1900	0.1724	0.1854	0.1841		0.19	14	TMC			
34	TMC	Cyclohexane	0.1917	0.1794	0.1608	0.1611	0.1202	0.1583	0.1509	0.1553	0.1611		0.16	12	TMC			
35	TML	1,1-Dichloropropene	0.2474	0.1818	0.1442	0.1505	0.1178	0.1501	0.1401	0.1484	0.1516		0.16	23	TM	1.000		

VOLATILE ORGANIC ANALYSIS
VOLATILE ORGANIC COMPOUNDS

Form 6
Initial Calibration

Lab Name: APPL, Inc. SDG No:
Case No: Initial Cal. Date: 07/12/21
Matrix: Water Instrument: Loki Initials: SB

		Compound	1	2	3	4	5	6	7	8	9		Avg	%RSD	Type		Q	MRF
36	TM	2,2,4-Trimethylpentane	0.1209	0.1210	0.1158	0.1129	0.0827	0.1140	0.1104	0.1142	0.1196		0.11	10	TM			
37	S	1,2-DCA-D4(S)	0.3542	0.3415	0.2809	0.2781	0.2995	0.2979	0.2885	0.2853	0.2739		0.30	9.5	S			
38	TMC	Carbon Tetrachloride	0.1907	0.1634	0.1480	0.1443	0.1176	0.1476	0.1363	0.1488	0.1494		0.15	13	TMC			
39	TML	Tert Amyl Methyl Ether	0.1826	0.0281	0.1989	0.1454	0.1251	0.1683	0.1576	0.1758	0.1870		0.15	34	TM	0.999		
40	TMCL	1,2-DCA	0.2584	0.1807	0.1883	0.1767	0.1498	0.1711	0.1619	0.1725	0.1691		0.18	17	TMC	1.000		
41	TMCL	Benzene	0.6934	0.5413	0.4830	0.4929	0.4022	0.4759	0.4501	0.4738	0.4768		0.50	16	TMC	1.000		
42	TMCL	TCE	0.3652	0.2679	0.1934	0.1714	0.1271	0.1442	0.1371	0.1430	0.1469		0.19	42	TMC	1.000		
43	TM	2-Pentanone	0.0984	0.0742	0.0740	0.0744	0.0752	0.0765	0.0767	0.0770	0.0804		0.08	9.8	TM			
44	TMC*	1,2-Dichloropropane	0.1626	0.1338	0.1441	0.1277	0.1083	0.1241	0.1207	0.1278	0.1251		0.13	12	TMC*			
45	TMCL	Bromodichloromethane	0.2065	0.2006	0.1889	0.1689	0.1352	0.1669	0.1567	0.1673	0.1692		0.17	13	TMC	1.000		
46	TMC	Methyl Cyclohexane	0.0934	0.0700	0.0771	0.0804	0.0614	0.0800	0.0781	0.0850	0.0848		0.08	12	TMC			
47	TML	Dibromomethane	0.1554	0.0863	0.0985	0.0973	0.0838	0.0989	0.0934	0.1001	0.1010		0.10	21	TM	1.000		
48	TM	2-Chloroethyl vinyl ether													TM			
49	TMC	MIBK (methyl isobutyl ketone	0.0513	0.0469	0.0492	0.0510	0.0506	0.0539	0.0506	0.0520	0.0531		0.05	4.1	TMC			
50	TM	1-Bromo-2-chloroethane	0.0836	0.1014	0.0880	0.0861	0.0787	0.0868	0.0875	0.0882	0.0891		0.09	6.9	TM			
51	TMCL	Cis-1,3-Dichloropropene	0.2913	0.2256	0.2086	0.1911	0.1583	0.1909	0.1850	0.2032	0.2032		0.21	18	TMC	1.000		
52	TMC*L	Toluene	0.7742	0.5791	0.5268	0.5101	0.4230	0.4998	0.4854	0.5117	0.5269		0.54	18	TMC*	1.000		
53	TMCL	Trans-1,3-Dichloropropene	0.1697	0.1090	0.1011	0.1005	0.0840	0.1005	0.0977	0.1066	0.1066		0.11	22	TMC	1.000		
54	TMCL	1,1,2-TCA	0.1828	0.1357	0.1325	0.1195	0.0983	0.1173	0.1118	0.1160	0.1193		0.13	19	TMC	1.000		
55	TMC	2-Hexanone	0.0309	0.0264	0.0294	0.0292	0.0313	0.0314	0.0308	0.0320	0.0340		0.03	7.0	TMC			
56	I	Chlorobenzene-D5 (IS)																
57	S	Toluene-D8(S)	1.515	1.395	1.176	1.179	1.253	1.258	1.242	1.245	1.213		1.3	8.7	S			
58	TMCL	1,2-EDB	0.2581	0.1871	0.1561	0.1626	0.1306	0.1565	0.1456	0.1626	0.1627		0.17	22	TMC	1.000		
59	TMCL	Tetrachloroethene	0.1914	0.1247	0.1099	0.1189	0.0902	0.1123	0.1060	0.1140	0.1123		0.12	24	TMC	1.000		
60	TML	1-Chlorohexane	0.2262	0.2459	0.1923	0.1925	0.1484	0.1703	0.1691	0.1798	0.1839		0.19	16	TM	1.000		
61	TML	1,1,1,2-Tetrachloroethane	0.2427	0.1845	0.1767	0.1720	0.1311	0.1618	0.1504	0.1633	0.1666		0.17	18	TM	1.000		
62	TMCL	m&p-Xylene	0.7749	0.5911	0.5273	0.4164	0.4157	0.5218	0.5050	0.5641	0.5754		0.54	20	TMC	0.999		
63	TMC	o-Xylene	0.7047	0.6015	0.5628	0.5365	0.4314	0.5437	0.5209	0.5794	0.5973		0.56	13	TMC			
64	TMCL	Styrene	0.6159	0.4462	0.4072	0.3938	0.3217	0.4205	0.4162	0.4658	0.4983		0.44	18	TMC	0.999		
65	S	4-Bromofluorobenzene(S)		0.4856	0.3867	0.3864	0.4126	0.4261	0.4233	0.4413	0.4422		0.43	7.6	S			
66	TM	1,3-Dichloropropane	0.3524	0.2793	0.2769	0.2509	0.2071	0.2505	0.2325	0.2499	0.2532		0.26	15	TM		*	
67	TMC	Dibromochloromethane		0.2039	0.1695	0.1651	0.1356	0.1708	0.1605	0.1761	0.1779		0.17	11	TMC			
68	TMC**L	Chlorobenzene	0.6533	0.4898	0.4768	0.4771	0.3674	0.4467	0.4191	0.4575	0.4583		0.47	16	TMC**	1.000		
69	TMC*	Ethylbenzene		0.4225	0.4258	0.3850	0.3079	0.3891	0.3678	0.4150	0.4159		0.39	10	TMC*			
70	TMC**	Bromoform		0.1458	0.1414	0.1242	0.1005	0.1243	0.1203	0.1330	0.1442		0.13	12	TMC**			

VOLATILE ORGANIC ANALYSIS
VOLATILE ORGANIC COMPOUNDS

Form 6
Initial Calibration

Lab Name: APPL, Inc. SDG No:
Case No: Initial Cal. Date: 07/12/21
Matrix: Water Instrument: Loki Initials: SB

		Compound	1	2	3	4	5	6	7	8	9		Avg	%RSD	Type		Q	MRF
71	I	1,4-Dichlorobenzene-D4 (IS)																
72	TMC	Isopropylbenzene		1.256	1.218	1.163	0.9514	1.179	1.089	1.169	1.115		1.1	8.2	TMC			
73	TMC**	1,1,2,2-Tetrachloroethane		0.4038	0.3801	0.3289	0.2823	0.3314	0.3015	0.3185	0.3057		0.33	12	TMC**			
74	TM	1,2,3-Trichloropropane		0.1190	0.1184	0.1265	0.0992	0.1158	0.1031	0.1101	0.1075		0.11	8.1	TM			
75	TM	t-1,4-Dichloro-2-Butene			0.0593	0.0643	0.0510	0.0596	0.0590	0.0606	0.0611		0.06	6.9	TM			
76	TM	Bromobenzene		0.4354	0.3699	0.3730	0.2772	0.3339	0.3244	0.3296	0.3173		0.35	14	TM			
77	TM	n-Propylbenzene		1.537	1.399	1.291	1.078	1.309	1.271	1.348	1.290		1.3	9.8	TM			
78	TM	4-Ethyltoluene		1.098	1.023	0.9052	0.7909	0.9685	0.9314	1.015	0.9668		0.96	9.5	TM			
79	TM	2-Chlorotoluene		1.144	0.9362	0.9488	0.7933	0.9628	0.9135	0.9757	0.9360		0.95	10	TM			
80	TM	1,3,5-Trimethylbenzene		1.189	1.031	0.9735	0.8000	0.9736	0.9460	1.018	0.9992		0.99	11	TM			
81	TM	4-Chlorotoluene		1.144	0.9362	0.9488	0.7933	0.9628	0.9135	0.9757	0.9360		0.95	10	TM			
82	TM	Tert-Butylbenzene		0.9795	0.8579	0.8559	0.6892	0.8469	0.8096	0.8535	0.8368		0.84	9.4	TM			
83	TML	1,2,4-Trimethylbenzene	1.671	1.189	1.031	0.9735	0.8000	0.9736	0.9460	1.018	0.9992		1.1	23	TM	1.000		
84	TM	Sec-Butylbenzene		1.419	1.231	1.204	0.9455	1.154	1.120	1.215	1.200		1.2	11	TM			
85	TM	p-Isopropyltoluene		1.225	1.107	1.018	0.8241	1.026	0.9971	1.100	1.088		1.0	11	TM			
86	TML	Benzyl Chloride	0.5617	0.4880	0.4497	0.3510	0.2938	0.3429	0.2989	0.3453	0.3482		0.39	24	TM	0.999		
87	TMC	1,3-DCB		0.8300	0.6880	0.6825	0.5415	0.6483	0.6112	0.6507	0.6430		0.66	12	TMC			
88	TMC	1,4-DCB		0.8083	0.7014	0.6673	0.5334	0.6450	0.6075	0.6438	0.6523		0.66	12	TMC			
89	TML	n-Butylbenzene	1.798	1.226	1.011	0.8483	0.6988	0.8574	0.8236	0.9058	0.9094		1.0	33	TM	1.000		
90	TMCL	1,2-DCB	1.277	0.9292	0.6880	0.6632	0.5559	0.6608	0.6253	0.6723	0.6563		0.75	30	TMC	1.000		
91	TM	Hexachloroethane	0.1871	0.1907	0.1994	0.1816	0.1404	0.1662	0.1556	0.1726	0.1780		0.17	11	TM			
92	TMCL	1,2-Dibromo-3-chloropropane	0.1491	0.0720	0.0746	0.0760	0.0635	0.0683	0.0714	0.0822	0.0798		0.08	32	TMC	0.999		
93	TMCL	1,2,4-Trichlorobenzene	0.5688	0.3924	0.2333	0.2346	0.1716	0.2010	0.1963	0.2254	0.2189		0.27	47	TMC	0.999		
94	TML	Hexachlorobutadiene	0.1944	0.1215	0.1144	0.0959	0.0804	0.0972	0.0918	0.0997	0.0960		0.11	31	TM	1.000		
95	TML	Naphthalene		1.640	1.091	0.8947	0.6552	0.7940	0.8263	0.9452	0.9829		0.98	30	TM	0.999		
96	TML	1,2,3-Trichlorobenzene	0.5472	0.2799	0.2012	0.1708	0.1585	0.1730	0.1725	0.2009	0.1922		0.23	53	TM	0.999		
97																		
98																		
99																		
100																		
101																		
102																		
103																		
104																		
105																		

Quantitation Report (Not Reviewed)

Data File : M:\LOKI\DATA\210712\0712L12.D Vial: 2
Acq On : 12 Jul 21 14:09 Operator:
Sample : 0.3ug/L VOC STD 7/12/21 Inst : Loki
Misc : IS&S: 10/21/20, 11/11/20 Multiplr: 1.00

Quant Time: Jul 16 10:56 2021 Quant Results File: L0712NEW.RES

Quant Method : M:\LOKI\DATA\210712\L0712NEW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Jul 16 10:45:51 2021
Response via : Initial Calibration
DataAcq Meth : 070721_L8260

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene (IS)	6.53	96	997098	25.00	ppb		0.00
56) Chlorobenzene-D5 (IS)	9.99	117	763052	25.00	ppb		0.00
71) 1,4-Dichlorobenzene-D4 (IS	12.56	152	397311	25.00	ppb		0.00
System Monitoring Compounds							
32) Dibromofluoromethane(S)	5.69	113	61287	5.73	ppb		0.00
Spiked Amount 25.000			Recovery = 22.936%				
37) 1,2-DCA-D4(S)	6.10	65	70643	5.90	ppb		0.00
Spiked Amount 25.000			Recovery = 23.620%				
57) Toluene-D8(S)	8.39	98	231130	5.94	ppb		0.00
Spiked Amount 25.000			Recovery = 23.756%				
65) 4-Bromofluorobenzene(S)	11.29	174	81131	6.25	ppb		0.00
Spiked Amount 25.000			Recovery = 24.988%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.16	85	1473	0.72	ppb		96
3) Freon 114	1.26	85	1478	0.34	ppb		76
4) Chloromethane	1.30	50	3055	0.32	ppb	#	86
5) Vinyl chloride	1.40	62	1708	0.32	ppb	#	71
7) Chloroethane	1.78	64	1083	0.33	ppb	#	66
8) Dichlorofluoromethane	1.97	67	2930	0.33	ppb		96
9) Trichlorofluoromethane	2.02	101	1455	0.34	ppb	#	75
10) Acrolein	2.44	56	6869	12.02	ppb		99
11) Acetone	2.62	43	5911	5.74	ppb		95
12) Freon-113	2.56	101	1383	0.34	ppb		92
13) 1,1-DCE	2.54	61	2921	0.59	ppb	#	86
14) t-Butanol	3.39	59	5293	11.34	ppb		92
15) Acetonitrile	2.95	41	8155	12.41	ppb		98
16) Methyl Acetate	3.04	43	1848	0.68	ppb		97
17) Iodomethane	2.69	142	2200	2.57	ppb		92
18) Acrylonitrile	3.48	53	518	0.27	ppb	#	80
19) Methylene chloride	3.13	84	3425	0.56	ppb		91
20) Carbon disulfide	2.75	76	2973	0.24	ppb		99
21) Methyl t-butyl ether (MtBE	3.54	73	3484	0.31	ppb	#	83
22) Trans-1,2-DCE	3.50	61	3068	0.64	ppb		93
23) Diisopropyl Ether	4.34	45	4160	0.32	ppb		97
24) 1,1-DCA	4.15	63	3724	0.58	ppb		89
25) Vinyl Acetate	4.32	43	1936	0.42	ppb	#	74
26) Ethyl tert Butyl Ether	4.88	59	2213	0.30	ppb		96
27) MEK (2-Butanone)	5.11	43	5545	5.23	ppb	#	84
28) Cis-1,2-DCE	5.02	61	3579	0.64	ppb		92
29) 2,2-Dichloropropane	5.01	77	3520	0.34	ppb	#	80
30) Chloroform	5.48	83	3687	0.59	ppb		99
31) Bromochloromethane	5.34	130	1897	0.27	ppb		82
33) 1,1,1-TCA	5.69	97	2975	0.39	ppb		89
34) Cyclohexane	5.74	56	2294	0.36	ppb		91
35) 1,1-Dichloropropene	5.90	75	2960	0.85	ppb	#	78
36) 2,2,4-Trimethylpentane	6.30	57	1446	0.32	ppb	#	83
38) Carbon Tetrachloride	5.90	119	2282	0.38	ppb		84
39) Tert Amyl Methyl Ether	6.38	73	2185	1.30	ppb	#	61
40) 1,2-DCA	6.20	62	3092	0.50	ppb		87
41) Benzene	6.17	78	8297	0.65	ppb		91
42) TCE	6.97	130	4370	0.85	ppb		93
43) 2-Pentanone	7.25	43	39252	12.53	ppb		98

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

Data File : M:\LOKI\DATA\210712\0712L12.D Vial: 2
Acq On : 12 Jul 21 14:09 Operator:
Sample : 0.3ug/L VOC STD 7/12/21 Inst : Loki
Misc : IS&S: 10/21/20, 11/11/20 Multiplr: 1.00

Quant Time: Jul 16 10:56 2021 Quant Results File: L0712NEW.RES

Quant Method : M:\LOKI\DATA\210712\L0712NEW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Jul 16 10:45:51 2021
Response via : Initial Calibration
DataAcq Meth : 070721_L8260

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
44)	1,2-Dichloropropane	7.23	63	1945	0.37	ppb		95
45)	Bromodichloromethane	7.58	83	2471	0.68	ppb		98
46)	Methyl Cyclohexane	7.19	98	1118	0.36	ppb	#	70
47)	Dibromomethane	7.37	174	1859	0.81	ppb		87
49)	MIBK (methyl isobutyl ket	8.31	43	10232	5.03	ppb	#	93
50)	1-Bromo-2-chloroethane	7.91	63	1000	0.29	ppb	#	43
51)	Cis-1,3-Dichloropropene	8.10	75	3486	0.85	ppb		97
52)	Toluene	8.46	91	9263	0.88	ppb		100
53)	Trans-1,3-Dichloropropene	8.73	75	2031	0.89	ppb	#	83
54)	1,1,2-TCA	8.93	97	2187	0.77	ppb		87
55)	2-Hexanone	9.24	43	6154	5.04	ppb		91
58)	1,2-EDB	9.46	107	2363	0.87	ppb		83
59)	Tetrachloroethene	9.07	166	1753	0.68	ppb		85
60)	1-Chlorohexane	10.01	91	2071	0.79	ppb		89
61)	1,1,1,2-Tetrachloroethane	10.12	131	2222	0.85	ppb		80
62)	m&p-Xylene	10.28	91	14191	2.30	ppb		95
63)	o-Xylene	10.71	91	6453	0.37	ppb		89
64)	Styrene	10.73	104	5640	1.46	ppb	#	80
66)	1,3-Dichloropropane	9.11	76	3227	0.40	ppb		88
67)	Dibromochloromethane	9.35	129	2194	0.42	ppb		85
68)	Chlorobenzene	10.02	112	5982	0.75	ppb		98
69)	Ethylbenzene	10.15	91	5181	0.43	ppb		86
70)	Bromoform	10.92	173	415	0.11	ppb		85
72)	Isopropylbenzene	11.12	105	8324	0.46	ppb	#	87
73)	1,1,2,2-Tetrachloroethane	11.45	83	2483	0.47	ppb		100
74)	1,2,3-Trichloropropane	11.50	110	819	0.46	ppb		83
75)	t-1,4-Dichloro-2-Butene	11.51	53	274	0.29	ppb	#	52
76)	Bromobenzene	11.44	158	2720	0.50	ppb		71
77)	n-Propylbenzene	11.58	91	10771	0.52	ppb		98
78)	4-Ethyltoluene	11.77	105	6924	0.45	ppb		99
79)	2-Chlorotoluene	11.78	91	7636	0.51	ppb		96
80)	1,3,5-Trimethylbenzene	12.19	105	7969	0.51	ppb		97
81)	4-Chlorotoluene	11.78	91	7636	0.51	ppb		96
82)	Tert-Butylbenzene	12.13	119	6125	0.46	ppb		97
83)	1,2,4-Trimethylbenzene	12.19	105	7969	0.71	ppb		97
84)	Sec-Butylbenzene	12.37	105	8678	0.46	ppb		90
85)	p-Isopropyltoluene	12.53	119	7933	0.48	ppb		86
86)	Benzyl Chloride	12.73	91	2678	0.85	ppb		90
87)	1,3-DCB	12.48	146	5405	0.51	ppb		97
88)	1,4-DCB	12.99	146	5060	0.48	ppb		99
89)	n-Butylbenzene	12.98	91	8571	0.99	ppb		88
90)	1,2-DCB	12.58	146	6088	0.64	ppb		91
91)	Hexachloroethane	13.27	117	892	0.32	ppb	#	85
92)	1,2-Dibromo-3-chloropropan	13.85	157	711	1.04	ppb	#	70
93)	1,2,4-Trichlorobenzene	14.76	180	2712	1.03	ppb		97
94)	Hexachlorobutadiene	14.95	225	927	0.60	ppb		90
95)	Naphthalene	15.04	128	16927	2.16	ppb	#	91
96)	1,2,3-Trichlorobenzene	15.30	182	2609	1.13	ppb	#	72

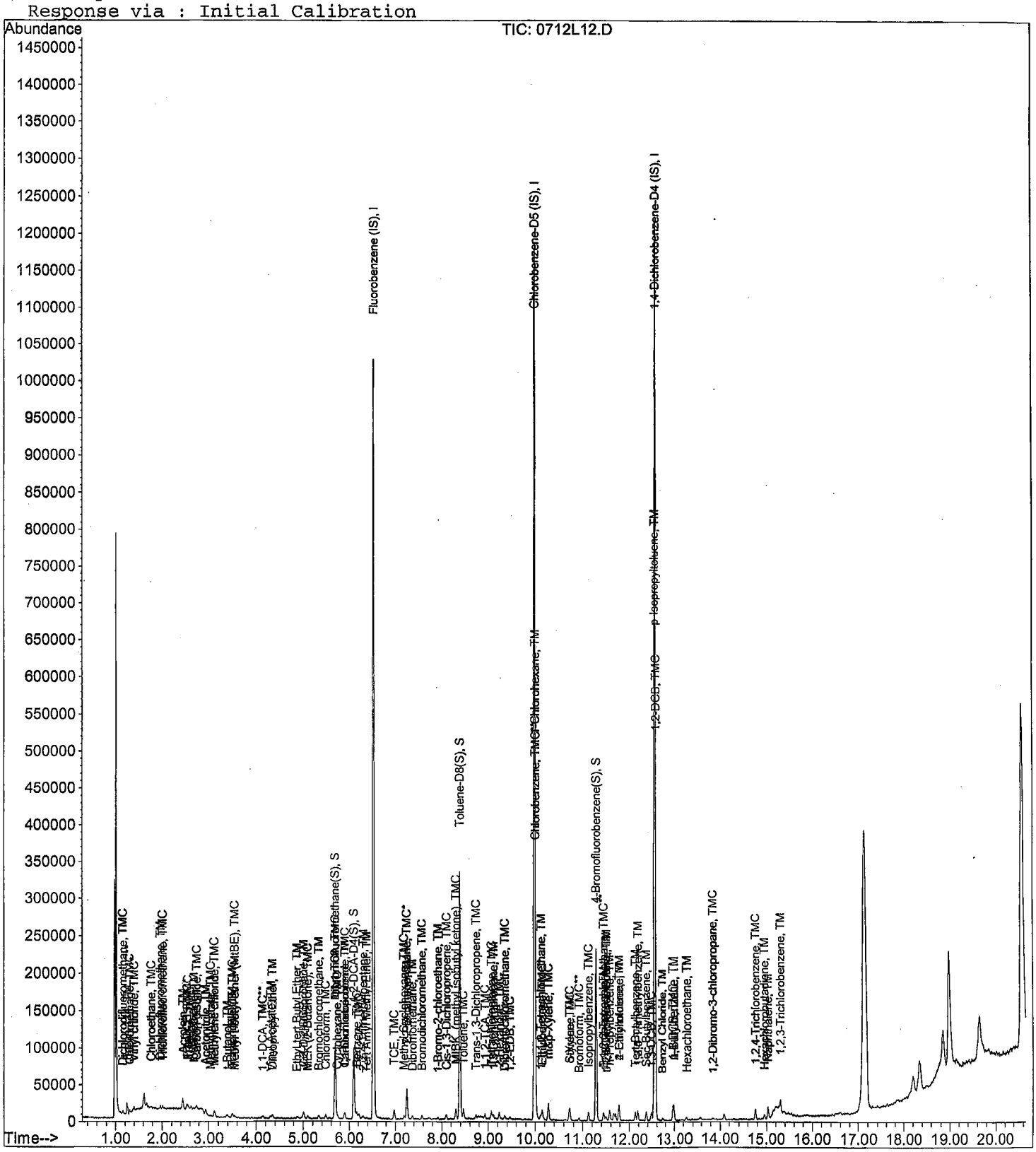
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\LOKI\DATA\210712\0712L12.D Vial: 2
Acq On : 12 Jul 21 14:09 Operator:
Sample : 0.3ug/L VOC STD 7/12/21 Inst : Loki
Misc : IS&S: 10/21/20, 11/11/20 Multiplr: 1.00

Quant Time: Jul 16 10:56 2021 Quant Results File: L0712NEW.RES

Method : M:\LOKI\DATA\210712\L0712NEW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Jul 16 10:45:51 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\LOKI\DATA\210712\0712L13.D Vial: 3
Acq On : 12 Jul 21 14:37 Operator:
Sample : 0.5ug/L VOC STD 7/12/21 Inst : Loki
Misc : IS&S: 10/21/20, 11/11/20 Multiplr: 1.00

Quant Time: Jul 16 10:56 2021 Quant Results File: L0712NEW.RES

Quant Method : M:\LOKI\DATA\210712\L0712NEW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Jul 16 10:45:51 2021
Response via : Initial Calibration
DataAcq Meth : 070721_L8260

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
1) Fluorobenzene (IS)	6.53	96	981387	25.00 ppb		0.00
56) Chlorobenzene-D5 (IS)	9.99	117	758606	25.00 ppb		0.00
71) 1,4-Dichlorobenzene-D4 (IS	12.56	152	397816	25.00 ppb		0.00
System Monitoring Compounds						
32) Dibromofluoromethane(S)	5.69	113	59731	5.68 ppb		0.00
Spiked Amount 25.000			Recovery	= 22.712%		
37) 1,2-DCA-D4(S)	6.10	65	67019	5.69 ppb		0.00
Spiked Amount 25.000			Recovery	= 22.764%		
57) Toluene-D8(S)	8.39	98	211659	5.47 ppb		0.00
Spiked Amount 25.000			Recovery	= 21.884%		
65) 4-Bromofluorobenzene(S)	11.29	174	73672	5.71 ppb		0.00
Spiked Amount 25.000			Recovery	= 22.824%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.16	85	2273	0.88 ppb		98
3) Freon 114	1.26	85	2294	0.53 ppb		88
4) Chloromethane	1.30	50	4339	0.58 ppb		94
5) Vinyl chloride	1.40	62	2734	0.52 ppb	#	87
6) Bromomethane	1.68	96	2826	0.10 ppb		90
7) Chloroethane	1.78	64	1768	0.54 ppb	#	80
8) Dichlorofluoromethane	1.97	67	4540	0.52 ppb		84
9) Trichlorofluoromethane	2.02	101	2028	0.49 ppb		78
10) Acrolein	2.45	56	13930	24.76 ppb		97
11) Acetone	2.62	43	10965	12.57 ppb		94
12) Freon-113	2.56	101	1842	0.46 ppb	#	85
13) 1,1-DCE	2.53	61	3693	0.71 ppb	#	90
14) t-Butanol	3.38	59	10708	23.30 ppb	#	85
15) Acetonitrile	2.94	41	17149	26.52 ppb		93
16) Methyl Acetate	3.04	43	2257	0.81 ppb	#	81
17) Iodomethane	2.69	142	2228	2.58 ppb	#	62
18) Acrylonitrile	3.48	53	1308	0.69 ppb	#	54
19) Methylene chloride	3.13	84	4136	0.71 ppb		88
20) Carbon disulfide	2.75	76	3862	0.38 ppb	#	85
21) Methyl t-butyl ether (MtBE	3.55	73	5890	0.53 ppb		93
22) Trans-1,2-DCE	3.49	61	3843	0.77 ppb		87
23) Diisopropyl Ether	4.35	45	6637	0.52 ppb	#	86
24) 1,1-DCA	4.14	63	4836	0.72 ppb		92
25) Vinyl Acetate	4.31	43	2284	0.57 ppb	#	59
26) Ethyl tert Butyl Ether	4.88	59	3342	0.46 ppb		95
27) MEK (2-Butanone)	5.09	43	10397	9.97 ppb		95
28) Cis-1,2-DCE	5.01	61	4806	0.81 ppb		96
29) 2,2-Dichloropropane	5.00	77	4645	0.52 ppb	#	82
30) Chloroform	5.48	83	4946	0.75 ppb		97
31) Bromochloromethane	5.34	130	2381	0.42 ppb		89
33) 1,1,1-TCA	5.68	97	3747	0.50 ppb	#	65
34) Cyclohexane	5.74	56	3522	0.56 ppb		97
35) 1,1-Dichloropropene	5.90	75	3568	0.96 ppb	#	79
36) 2,2,4-Trimethylpentane	6.31	57	2375	0.54 ppb	#	69
38) Carbon Tetrachloride	5.89	119	3208	0.55 ppb		80
39) Tert Amyl Methyl Ether	6.30	73	551	1.08 ppb		100
40) 1,2-DCA	6.20	62	3547	0.58 ppb		93
41) Benzene	6.16	78	10624	0.78 ppb		86
42) TCE	6.97	130	5259	1.02 ppb		97

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

Quantitation Report (Not Reviewed)

Data File : M:\LOKI\DATA\210712\0712L13.D Vial: 3
Acq On : 12 Jul 21 14:37 Operator:
Sample : 0.5ug/L VOC STD 7/12/21 Inst : Loki
Misc : IS&S: 10/21/20, 11/11/20 Multiplr: 1.00

Quant Time: Jul 16 10:56 2021 Quant Results File: L0712NEW.RES

Quant Method : M:\LOKI\DATA\210712\L0712NEW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Jul 16 10:45:51 2021
Response via : Initial Calibration
DataAcq Meth : 070721_L8260

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
43)	2-Pentanone	7.24	43	72821	23.62	ppb		97
44)	1,2-Dichloropropane	7.23	63	2627	0.51	ppb		92
45)	Bromodichloromethane	7.57	83	3937	0.90	ppb		97
46)	Methyl Cyclohexane	7.19	98	1373	0.44	ppb		90
47)	Dibromomethane	7.36	174	1694	0.77	ppb		90
49)	MIBK (methyl isobutyl ket	8.31	43	18404	9.20	ppb		99
50)	1-Bromo-2-chloroethane	7.91	63	1991	0.58	ppb		84
51)	Cis-1,3-Dichloropropene	8.10	75	4428	0.98	ppb	#	84
52)	Toluene	8.46	91	11367	0.99	ppb		93
53)	Trans-1,3-Dichloropropene	8.73	75	2139	0.92	ppb		89
54)	1,1,2-TCA	8.93	97	2664	0.88	ppb	#	84
55)	2-Hexanone	9.24	43	10348	8.61	ppb		88
58)	1,2-EDB	9.46	107	2839	0.97	ppb	#	79
59)	Tetrachloroethene	9.07	166	1892	0.73	ppb		90
60)	1-Chlorohexane	10.01	91	3731	1.09	ppb	#	77
61)	1,1,1,2-Tetrachloroethane	10.12	131	2800	0.97	ppb		87
62)	m&p-Xylene	10.28	91	17936	2.52	ppb		94
63)	o-Xylene	10.72	91	9126	0.53	ppb		98
64)	Styrene	10.73	104	6770	1.54	ppb		98
66)	1,3-Dichloropropane	9.10	76	4237	0.53	ppb		94
67)	Dibromochloromethane	9.35	129	3094	0.60	ppb		77
68)	Chlorobenzene	10.02	112	7431	0.86	ppb		96
69)	Ethylbenzene	10.15	91	6410	0.54	ppb		100
70)	Bromoform	10.92	173	2212	0.56	ppb		99
72)	Isopropylbenzene	11.13	105	9993	0.55	ppb		99
73)	1,1,2,2-Tetrachloroethane	11.45	83	3213	0.61	ppb		89
74)	1,2,3-Trichloropropane	11.50	110	947	0.53	ppb		78
76)	Bromobenzene	11.44	158	3464	0.63	ppb		91
77)	n-Propylbenzene	11.58	91	12225	0.58	ppb		95
78)	4-Ethyltoluene	11.78	105	8740	0.57	ppb		91
79)	2-Chlorotoluene	11.78	91	9106	0.60	ppb		94
80)	1,3,5-Trimethylbenzene	12.18	105	9459	0.60	ppb		99
81)	4-Chlorotoluene	11.78	91	9106	0.60	ppb		94
82)	Tert-Butylbenzene	12.13	119	7793	0.58	ppb		90
83)	1,2,4-Trimethylbenzene	12.18	105	9459	0.80	ppb		99
84)	Sec-Butylbenzene	12.37	105	11293	0.60	ppb		91
85)	p-Isopropyltoluene	12.54	119	9750	0.58	ppb		88
86)	Benzyl Chloride	12.74	91	3883	1.06	ppb	#	83
87)	1,3-DCB	12.48	146	6604	0.63	ppb		94
88)	1,4-DCB	12.99	146	6431	0.61	ppb		97
89)	n-Butylbenzene	12.98	91	9752	1.07	ppb		92
90)	1,2-DCB	12.58	146	7393	0.76	ppb		94
91)	Hexachloroethane	13.28	117	1517	0.55	ppb		81
92)	1,2-Dibromo-3-chloropropan	13.86	157	573	0.94	ppb	#	46
93)	1,2,4-Trichlorobenzene	14.76	180	3122	1.14	ppb		80
94)	Hexachlorobutadiene	14.95	225	967	0.63	ppb		80
95)	Naphthalene	15.03	128	13051	1.91	ppb	#	90
96)	1,2,3-Trichlorobenzene	15.30	182	2227	1.00	ppb	#	67

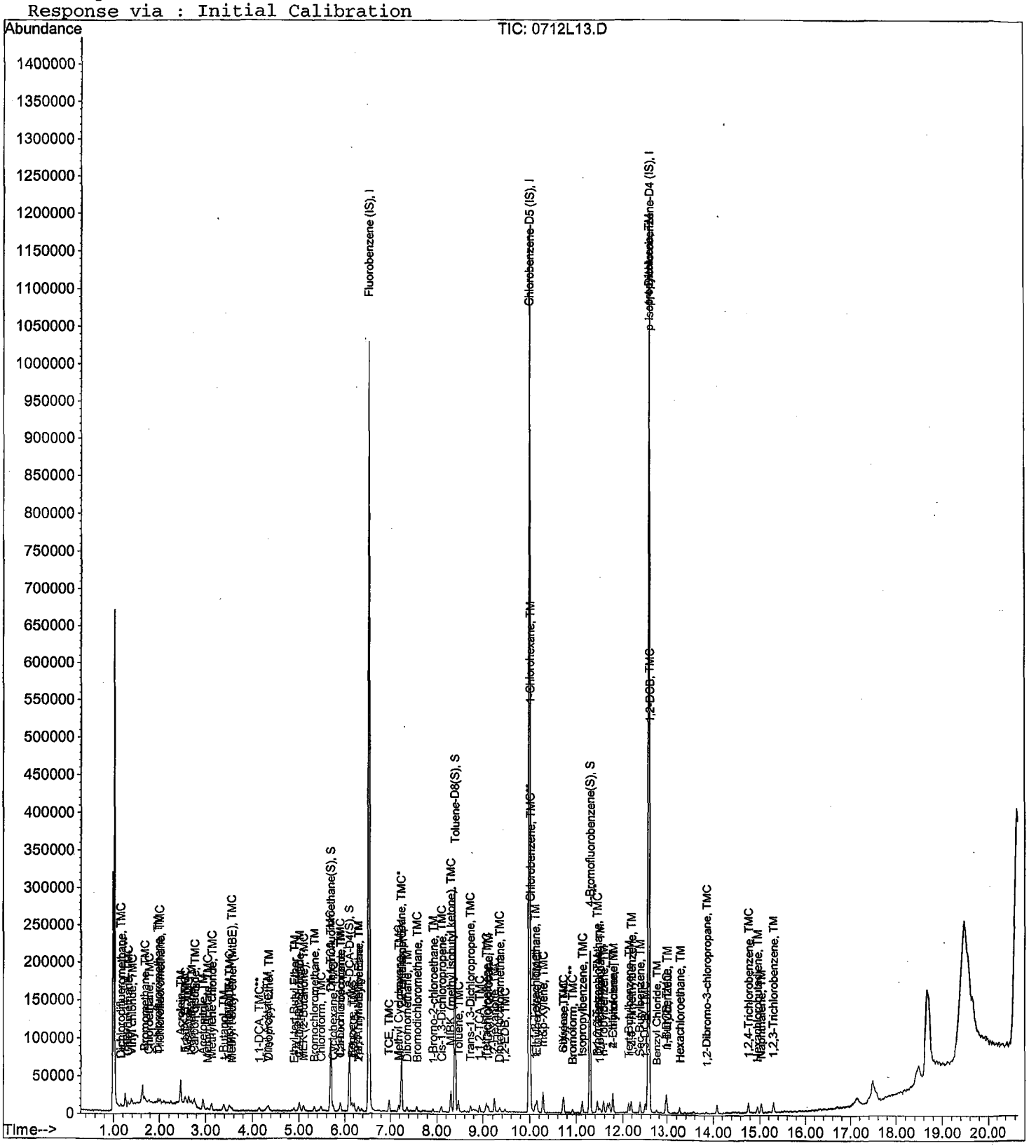
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\LOKI\DATA\210712\0712L13.D Vial: 3
Acq On : 12 Jul 21 14:37 Operator:
Sample : 0.5ug/L VOC STD 7/12/21 Inst : Loki
Misc : IS&S: 10/21/20, 11/11/20 Multiplr: 1.00

Quant Time: Jul 16 10:56 2021 Quant Results File: L0712NEW.RES

Method : M:\LOKI\DATA\210712\L0712NEW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Jul 16 10:45:51 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\LOKI\DATA\210712\0712L14.D Vial: 4
Acq On : 12 Jul 21 15:04 Operator:
Sample : 1ug/L VOC STD 7/12/21 Inst : Loki
Misc : IS&S: 10/21/20, 11/11/20 Multiplr: 1.00

Quant Time: Jul 16 10:56 2021 Quant Results File: L0712NEW.RES

Quant Method : M:\LOKI\DATA\210712\L0712NEW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Jul 16 10:45:51 2021
Response via : Initial Calibration
DataAcq Meth : 070721_L8260

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene (IS)	6.53	96	962607	25.00	ppb		0.00
56) Chlorobenzene-D5 (IS)	9.99	117	740845	25.00	ppb		0.00
71) 1,4-Dichlorobenzene-D4 (IS	12.56	152	392381	25.00	ppb		0.00
System Monitoring Compounds							
32) Dibromofluoromethane(S)	5.69	113	94925	9.20	ppb		0.00
Spiked Amount 25.000			Recovery =	36.800%			
37) 1,2-DCA-D4(S)	6.10	65	108142	9.36	ppb		0.00
Spiked Amount 25.000			Recovery =	37.452%			
57) Toluene-D8(S)	8.39	98	348492	9.22	ppb		0.00
Spiked Amount 25.000			Recovery =	36.896%			
65) 4-Bromofluorobenzene(S)	11.28	174	114585	9.09	ppb		0.00
Spiked Amount 25.000			Recovery =	36.348%			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.15	85	4726	1.38	ppb		88
3) Freon 114	1.26	85	3992	0.94	ppb		74
4) Chloromethane	1.30	50	6004	0.93	ppb		99
5) Vinyl chloride	1.40	62	4948	0.96	ppb		98
6) Bromomethane	1.68	96	5634	0.82	ppb		95
7) Chloroethane	1.78	64	3468	1.08	ppb		96
8) Dichlorofluoromethane	1.97	67	8887	1.04	ppb		100
9) Trichlorofluoromethane	2.02	101	4275	1.05	ppb		80
10) Acrolein	2.44	56	27863	50.49	ppb		98
11) Acetone	2.62	43	16154	19.88	ppb		95
12) Freon-113	2.56	101	4370	1.12	ppb	#	86
13) 1,1-DCE	2.54	61	6479	1.15	ppb		96
14) t-Butanol	3.39	59	19890	44.12	ppb		95
15) Acetonitrile	2.94	41	31565	49.76	ppb		90
16) Methyl Acetate	3.04	43	3419	1.16	ppb	#	76
17) Iodomethane	2.69	142	3066	2.77	ppb	#	80
18) Acrylonitrile	3.48	53	1867	1.00	ppb	#	92
19) Methylene chloride	3.13	84	6583	1.24	ppb		91
20) Carbon disulfide	2.75	76	7520	0.92	ppb		97
21) Methyl t-butyl ether (MtBE	3.54	73	10738	0.98	ppb	#	84
22) Trans-1,2-DCE	3.50	61	6848	1.28	ppb		89
23) Diisopropyl Ether	4.34	45	12032	0.95	ppb		99
24) 1,1-DCA	4.14	63	8917	1.24	ppb		98
25) Vinyl Acetate	4.30	43	4257	1.38	ppb	#	83
26) Ethyl tert Butyl Ether	4.88	59	7304	1.03	ppb		92
27) MEK (2-Butanone)	5.10	43	20179	19.73	ppb		92
28) Cis-1,2-DCE	5.01	61	7125	1.15	ppb		99
29) 2,2-Dichloropropane	5.01	77	7731	1.03	ppb		91
30) Chloroform	5.48	83	8731	1.21	ppb		100
31) Bromochloromethane	5.33	130	3829	0.86	ppb		81
33) 1,1,1-TCA	5.68	97	7336	1.00	ppb		96
34) Cyclohexane	5.74	56	6192	1.01	ppb		97
35) 1,1-Dichloropropene	5.91	75	5551	1.31	ppb	#	90
36) 2,2,4-Trimethylpentane	6.31	57	4460	1.03	ppb		91
38) Carbon Tetrachloride	5.89	119	5697	0.99	ppb		84
39) Tert Amyl Methyl Ether	6.37	73	7659	2.07	ppb		95
40) 1,2-DCA	6.20	62	7252	1.16	ppb		91
41) Benzene	6.16	78	18599	1.22	ppb		97
42) TCE	6.97	130	7446	1.43	ppb		91

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

Quantitation Report (Not Reviewed)

Data File : M:\LOKI\DATA\210712\0712L14.D Vial: 4
Acq On : 12 Jul 21 15:04 Operator:
Sample : 1ug/L VOC STD 7/12/21 Inst : Loki
Misc : IS&S: 10/21/20, 11/11/20 Multiplr: 1.00

Quant Time: Jul 16 10:56 2021 Quant Results File: L0712NEW.RES

Quant Method : M:\LOKI\DATA\210712\L0712NEW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Jul 16 10:45:51 2021
Response via : Initial Calibration
DataAcq Meth : 070721_L8260

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
43)	2-Pentanone	7.24	43	142504	47.13	ppb		99
44)	1,2-Dichloropropane	7.23	63	5547	1.10	ppb		95
45)	Bromodichloromethane	7.58	83	7275	1.43	ppb		88
46)	Methyl Cyclohexane	7.19	98	2970	0.98	ppb		82
47)	Dibromomethane	7.37	174	3793	1.32	ppb		92
49)	MIBK (methyl isobutyl ket	8.31	43	37917	19.32	ppb		97
50)	1-Bromo-2-chloroethane	7.91	63	3389	1.00	ppb		90
51)	Cis-1,3-Dichloropropene	8.10	75	8032	1.45	ppb		94
52)	Toluene	8.46	91	20285	1.44	ppb		93
53)	Trans-1,3-Dichloropropene	8.73	75	3892	1.36	ppb	#	84
54)	1,1,2-TCA	8.92	97	5101	1.42	ppb		91
55)	2-Hexanone	9.24	43	22642	19.22	ppb		96
58)	1,2-EDB	9.46	107	4625	1.35	ppb		90
59)	Tetrachloroethene	9.07	166	3257	1.15	ppb		97
60)	1-Chlorohexane	10.02	91	5699	1.46	ppb		92
61)	1,1,1,2-Tetrachloroethane	10.12	131	5236	1.47	ppb		79
62)	m&p-Xylene	10.28	91	31254	3.32	ppb		93
63)	o-Xylene	10.71	91	16678	1.00	ppb		97
64)	Styrene	10.73	104	12066	1.91	ppb		83
66)	1,3-Dichloropropane	9.11	76	8207	1.06	ppb		93
67)	Dibromochloromethane	9.35	129	5023	1.00	ppb		100
68)	Chlorobenzene	10.02	112	14128	1.37	ppb		94
69)	Ethylbenzene	10.15	91	12619	1.09	ppb		92
70)	Bromoform	10.92	173	4190	1.09	ppb		97
72)	Isopropylbenzene	11.13	105	19123	1.07	ppb		90
73)	1,1,2,2-Tetrachloroethane	11.45	83	5965	1.15	ppb		94
74)	1,2,3-Trichloropropane	11.50	110	1858	1.05	ppb	#	70
75)	t-1,4-Dichloro-2-Butene	11.52	53	931	1.00	ppb		91
76)	Bromobenzene	11.44	158	5805	1.07	ppb		83
77)	n-Propylbenzene	11.57	91	21964	1.06	ppb		95
78)	4-Ethyltoluene	11.77	105	16061	1.06	ppb		91
79)	2-Chlorotoluene	11.78	91	14694	0.98	ppb		98
80)	1,3,5-Trimethylbenzene	12.18	105	16186	1.04	ppb		90
81)	4-Chlorotoluene	11.78	91	14694	0.98	ppb		98
82)	Tert-Butylbenzene	12.13	119	13465	1.02	ppb		94
83)	1,2,4-Trimethylbenzene	12.18	105	16186	1.23	ppb		90
84)	Sec-Butylbenzene	12.37	105	19321	1.04	ppb		97
85)	p-Isopropyltoluene	12.53	119	17380	1.06	ppb		93
86)	Benzyl Chloride	12.74	91	7058	1.65	ppb	#	86
87)	1,3-DCB	12.48	146	10799	1.04	ppb		83
88)	1,4-DCB	12.99	146	11008	1.07	ppb		97
89)	n-Butylbenzene	12.98	91	15861	1.50	ppb		98
90)	1,2-DCB	12.48	146	10799	1.10	ppb		84
91)	Hexachloroethane	13.27	117	3129	1.14	ppb		82
92)	1,2-Dibromo-3-chloropropan	13.86	157	1171	1.42	ppb	#	80
93)	1,2,4-Trichlorobenzene	14.77	180	3661	1.31	ppb		97
94)	Hexachlorobutadiene	14.96	225	1796	1.19	ppb		95
95)	Naphthalene	15.03	128	17124	2.18	ppb		96
96)	1,2,3-Trichlorobenzene	15.30	182	3158	1.32	ppb		94

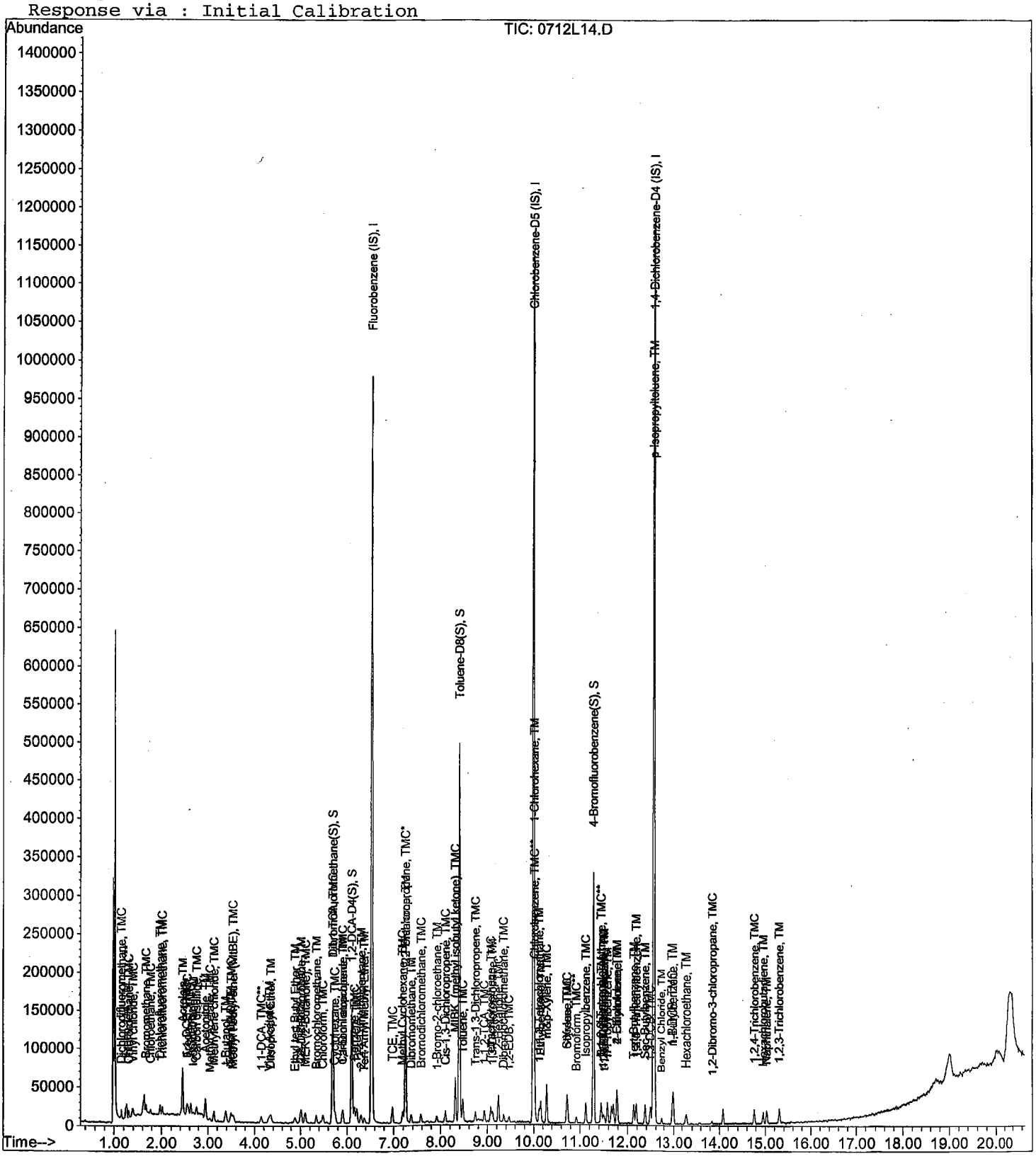
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\LOKI\DATA\210712\0712L14.D Vial: 4
Acq On : 12 Jul 21 15:04 Operator:
Sample : 1ug/L VOC STD 7/12/21 Inst : Loki
Misc : IS&S: 10/21/20, 11/11/20 Multiplr: 1.00

Quant Time: Jul 16 10:56 2021 Quant Results File: L0712NEW.RES

Method : M:\LOKI\DATA\210712\L0712NEW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Jul 16 10:45:51 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\LOKI\DATA\210712\0712L15.D Vial: 5
Acq On : 12 Jul 21 15:32 Operator:
Sample : 2ug/L VOC STD 7/12/21 Inst : Loki
Misc : IS&S: 10/21/20, 11/11/20 Multiplr: 1.00

Quant Time: Jul 16 10:56 2021 Quant Results File: L0712NEW.RES

Quant Method : M:\LOKI\DATA\210712\L0712NEW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Jul 16 10:45:51 2021
Response via : Initial Calibration
DataAcq Meth : 070721_L8260

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene (IS)	6.53	96	952124	25.00	ppb		0.00
56) Chlorobenzene-D5 (IS)	9.99	117	734724	25.00	ppb		0.00
71) 1,4-Dichlorobenzene-D4 (IS	12.55	152	393177	25.00	ppb		0.00
System Monitoring Compounds							
32) Dibromofluoromethane(S)	5.69	113	95654	9.37	ppb		0.00
Spiked Amount 25.000			Recovery	=	37.492%		
37) 1,2-DCA-D4(S)	6.10	65	105908	9.27	ppb		0.00
Spiked Amount 25.000			Recovery	=	37.080%		
57) Toluene-D8(S)	8.39	98	346417	9.25	ppb		0.00
Spiked Amount 25.000			Recovery	=	36.980%		
65) 4-Bromofluorobenzene(S)	11.29	174	113559	9.08	ppb		0.00
Spiked Amount 25.000			Recovery	=	36.324%		
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.15	85	10830	2.61	ppb		100
3) Freon 114	1.26	85	8767	2.09	ppb	#	72
4) Chloromethane	1.30	50	11680	2.08	ppb		98
5) Vinyl chloride	1.40	62	10949	2.16	ppb		99
6) Bromomethane	1.67	96	8588	1.58	ppb		95
7) Chloroethane	1.77	64	6946	2.19	ppb		93
8) Dichlorofluoromethane	1.97	67	16996	2.00	ppb		99
9) Trichlorofluoromethane	2.01	101	8613	2.13	ppb		99
10) Acrolein	2.44	56	41398	75.85	ppb		99
11) Acetone	2.63	43	23692	30.43	ppb		97
12) Freon-113	2.56	101	8285	2.15	ppb		88
13) 1,1-DCE	2.54	61	13205	2.22	ppb		93
14) t-Butanol	3.38	59	31576	70.82	ppb		98
15) Acetonitrile	2.95	41	45076	71.84	ppb		100
16) Methyl Acetate	3.04	43	6775	2.17	ppb	#	80
17) Iodomethane	2.69	142	5707	3.33	ppb		91
18) Acrylonitrile	3.49	53	3463	1.88	ppb	#	87
19) Methylene chloride	3.12	84	10870	2.14	ppb		95
20) Carbon disulfide	2.75	76	14150	1.90	ppb		100
21) Methyl t-butyl ether (MtBE	3.54	73	23108	2.13	ppb		96
22) Trans-1,2-DCE	3.50	61	12136	2.16	ppb		92
23) Diisopropyl Ether	4.34	45	25410	2.03	ppb		100
24) 1,1-DCA	4.14	63	17100	2.28	ppb		91
25) Vinyl Acetate	4.31	43	6155	2.17	ppb	#	75
26) Ethyl tert Butyl Ether	4.89	59	13681	1.96	ppb		96
27) MEK (2-Butanone)	5.09	43	30225	29.87	ppb		99
28) Cis-1,2-DCE	5.01	61	14759	2.25	ppb		88
29) 2,2-Dichloropropane	5.00	77	14000	2.06	ppb		93
30) Chloroform	5.48	83	17035	2.23	ppb		93
31) Bromochloromethane	5.33	130	6941	1.81	ppb		94
33) 1,1,1-TCA	5.69	97	15044	2.08	ppb		96
34) Cyclohexane	5.73	56	12272	2.02	ppb		95
35) 1,1-Dichloropropene	5.91	75	11466	2.35	ppb		94
36) 2,2,4-Trimethylpentane	6.31	57	8602	2.01	ppb		95
38) Carbon Tetrachloride	5.89	119	10994	1.93	ppb		95
39) Tert Amyl Methyl Ether	6.37	73	11074	2.56	ppb	#	89
40) 1,2-DCA	6.20	62	13456	2.13	ppb		91
41) Benzene	6.16	78	37545	2.28	ppb		93
42) TCE	6.97	130	13056	2.45	ppb		96

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

Quantitation Report (Not Reviewed)

Data File : M:\LOKI\DATA\210712\0712L15.D Vial: 5
Acq On : 12 Jul 21 15:32 Operator:
Sample : 2ug/L VOC STD 7/12/21 Inst : Loki
Misc : IS&S: 10/21/20, 11/11/20 Multiplr: 1.00

Quant Time: Jul 16 10:56 2021 Quant Results File: L0712NEW.RES

Quant Method : M:\LOKI\DATA\210712\L0712NEW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Jul 16 10:45:51 2021
Response via : Initial Calibration
DataAcq Meth : 070721_L8260

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
43)	2-Pentanone	7.24	43	212552	71.07	ppb		100
44)	1,2-Dichloropropane	7.24	63	9724	1.96	ppb		99
45)	Bromodichloromethane	7.57	83	12865	2.31	ppb		90
46)	Methyl Cyclohexane	7.19	98	6126	2.04	ppb		98
47)	Dibromomethane	7.37	174	7409	2.27	ppb		96
49)	MIBK (methyl isobutyl ket	8.30	43	58295	30.03	ppb		97
50)	1-Bromo-2-chloroethane	7.91	63	6557	1.96	ppb		96
51)	Cis-1,3-Dichloropropene	8.10	75	14553	2.30	ppb		86
52)	Toluene	8.46	91	38855	2.38	ppb		100
53)	Trans-1,3-Dichloropropene	8.73	75	7654	2.29	ppb		96
54)	1,1,2-TCA	8.93	97	9099	2.31	ppb		92
55)	2-Hexanone	9.24	43	33330	28.60	ppb		98
58)	1,2-EDB	9.46	107	9555	2.39	ppb		84
59)	Tetrachloroethene	9.07	166	6991	2.29	ppb		89
60)	1-Chlorohexane	10.01	91	11317	2.51	ppb		89
61)	1,1,1,2-Tetrachloroethane	10.11	131	10107	2.48	ppb		96
62)	m&p-Xylene	10.28	91	61183	5.10	ppb		99
63)	o-Xylene	10.71	91	31537	1.90	ppb		99
64)	Styrene	10.73	104	23147	2.67	ppb		97
66)	1,3-Dichloropropane	9.11	76	14745	1.92	ppb		91
67)	Dibromochloromethane	9.35	129	9706	1.94	ppb		87
68)	Chlorobenzene	10.02	112	28042	2.41	ppb		97
69)	Ethylbenzene	10.15	91	22632	1.97	ppb		98
70)	Bromoform	10.92	173	7300	1.92	ppb		98
72)	Isopropylbenzene	11.13	105	36583	2.04	ppb		96
73)	1,1,2,2-Tetrachloroethane	11.45	83	10344	1.98	ppb		92
74)	1,2,3-Trichloropropane	11.50	110	3978	2.25	ppb		94
75)	t-1,4-Dichloro-2-Butene	11.51	53	2023	2.17	ppb	#	64
76)	Bromobenzene	11.44	158	11731	2.16	ppb		82
77)	n-Propylbenzene	11.58	91	40592	1.96	ppb		100
78)	4-Ethyltoluene	11.77	105	28473	1.88	ppb		88
79)	2-Chlorotoluene	11.78	91	29845	1.99	ppb		100
80)	1,3,5-Trimethylbenzene	12.18	105	30621	1.96	ppb		97
81)	4-Chlorotoluene	11.78	91	29845	1.99	ppb		100
82)	Tert-Butylbenzene	12.13	119	26923	2.04	ppb		96
83)	1,2,4-Trimethylbenzene	12.18	105	30621	2.15	ppb		97
84)	Sec-Butylbenzene	12.37	105	37881	2.03	ppb		98
85)	p-Isopropyltoluene	12.53	119	32009	1.94	ppb		94
86)	Benzyl Chloride	12.73	91	11040	2.38	ppb		94
87)	1,3-DCB	12.49	146	21466	2.06	ppb		98
88)	1,4-DCB	12.99	146	20990	2.03	ppb		97
89)	n-Butylbenzene	12.98	91	26682	2.26	ppb		87
90)	1,2-DCB	12.58	146	20859	2.07	ppb		94
91)	Hexachloroethane	13.28	117	5712	2.08	ppb		93
92)	1,2-Dibromo-3-chloropropan	13.85	157	2389	2.38	ppb	#	81
93)	1,2,4-Trichlorobenzene	14.76	180	7378	2.39	ppb		89
94)	Hexachlorobutadiene	14.95	225	3015	1.99	ppb		98
95)	Naphthalene	15.04	128	28142	2.89	ppb	#	93
96)	1,2,3-Trichlorobenzene	15.30	182	5372	2.04	ppb		88

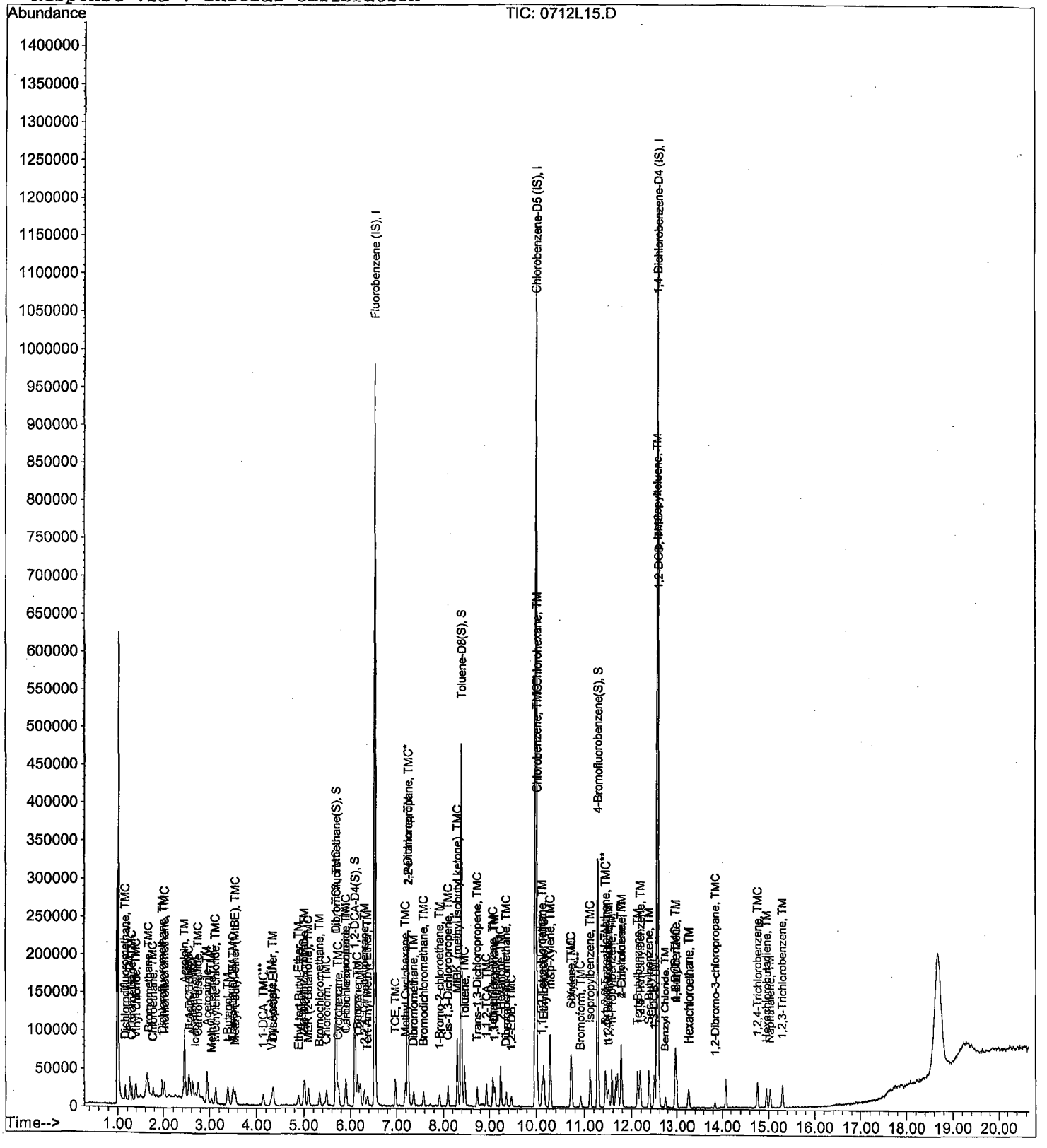
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\LOKI\DATA\210712\0712L15.D Vial: 5
Acq On : 12 Jul 21 15:32 Operator:
Sample : 2ug/L VOC STD 7/12/21 Inst : Loki
Misc : IS&S: 10/21/20, 11/11/20 Multiplr: 1.00

Quant Time: Jul 16 10:56 2021 Quant Results File: L0712NEW.RES

Method : M:\LOKI\DATA\210712\L0712NEW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Jul 16 10:45:51 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\LOKI\DATA\210712\0712L16.D Vial: 6
Acq On : 12 Jul 21 15:59 Operator:
Sample : 5ug/L VOC STD 7/12/21 Inst : Loki
Misc : IS&S: 10/21/20, 11/11/20 Multiplr: 1.00

Quant Time: Jul 16 10:56 2021 Quant Results File: L0712NEW.RES

Quant Method : M:\LOKI\DATA\210712\L0712NEW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Jul 16 10:45:51 2021
Response via : Initial Calibration
DataAcq Meth : 070721_L8260

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene (IS)	6.53	96	941833	25.00	ppb		0.00
56) Chlorobenzene-D5 (IS)	9.99	117	737315	25.00	ppb		0.00
71) 1,4-Dichlorobenzene-D4 (IS	12.55	152	399690	25.00	ppb		0.00
System Monitoring Compounds							
32) Dibromofluoromethane(S)	5.69	113	249697	24.73	ppb		0.00
Spiked Amount 25.000			Recovery =	98.936%			
37) 1,2-DCA-D4(S)	6.10	65	282047	24.96	ppb		0.00
Spiked Amount 25.000			Recovery =	99.832%			
57) Toluene-D8(S)	8.39	98	923941	24.57	ppb		0.00
Spiked Amount 25.000			Recovery =	98.284%			
65) 4-Bromofluorobenzene(S)	11.29	174	304250	24.24	ppb		0.00
Spiked Amount 25.000			Recovery =	96.976%			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.15	85	12648	3.00	ppb		91
3) Freon 114	1.26	85	15895	3.84	ppb		92
4) Chloromethane	1.30	50	21615	4.12	ppb		99
5) Vinyl chloride	1.40	62	20866	4.15	ppb		98
6) Bromomethane	1.67	96	18239	4.06	ppb		84
7) Chloroethane	1.77	64	12646	4.03	ppb		98
8) Dichlorofluoromethane	1.97	67	35781	4.27	ppb		98
9) Trichlorofluoromethane	2.01	101	14081	3.52	ppb		98
10) Acrolein	2.44	56	51863	96.06	ppb		96
11) Acetone	2.62	43	28563	37.53	ppb		95
12) Freon-113	2.56	101	15386	4.03	ppb		93
13) 1,1-DCE	2.54	61	25414	4.17	ppb	#	86
14) t-Butanol	3.38	59	41010	92.98	ppb		93
15) Acetonitrile	2.94	41	56764	91.45	ppb		93
16) Methyl Acetate	3.03	43	14904	4.63	ppb		87
17) Iodomethane	2.69	142	11325	4.54	ppb		91
18) Acrylonitrile	3.48	53	7872	4.31	ppb	#	90
19) Methylene chloride	3.13	84	21860	4.48	ppb		89
20) Carbon disulfide	2.75	76	30680	4.36	ppb		100
21) Methyl t-butyl ether (MtBE	3.54	73	44309	4.12	ppb		96
22) Trans-1,2-DCE	3.50	61	24125	4.18	ppb		92
23) Diisopropyl Ether	4.34	45	53861	4.36	ppb		100
24) 1,1-DCA	4.14	63	32762	4.30	ppb		100
25) Vinyl Acetate	4.34	43	11129	4.24	ppb	#	97
26) Ethyl tert Butyl Ether	4.88	59	27356	3.96	ppb		92
27) MEK (2-Butanone)	5.09	43	39110	39.08	ppb		99
28) Cis-1,2-DCE	5.01	61	30535	4.53	ppb		96
29) 2,2-Dichloropropane	5.00	77	27626	4.32	ppb		93
30) Chloroform	5.48	83	33347	4.26	ppb		100
31) Bromochloromethane	5.34	130	15194	4.33	ppb		94
33) 1,1,1-TCA	5.69	97	28509	3.98	ppb		99
34) Cyclohexane	5.74	56	22633	3.76	ppb		95
35) 1,1-Dichloropropene	5.91	75	22194	4.25	ppb		95
36) 2,2,4-Trimethylpentane	6.30	57	15584	3.68	ppb		97
38) Carbon Tetrachloride	5.89	119	22161	3.93	ppb		99
39) Tert Amyl Methyl Ether	6.37	73	23563	4.35	ppb		92
40) 1,2-DCA	6.20	62	28220	4.47	ppb		97
41) Benzene	6.16	78	75770	4.43	ppb		99
42) TCE	6.98	130	23937	4.45	ppb		93

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

Quantitation Report (Not Reviewed)

Data File : M:\LOKI\DATA\210712\0712L16.D Vial: 6
Acq On : 12 Jul 21 15:59 Operator:
Sample : 5ug/L VOC STD 7/12/21 Inst : Loki
Misc : IS&S: 10/21/20, 11/11/20 Multiplr: 1.00

Quant Time: Jul 16 10:56 2021 Quant Results File: L0712NEW.RES

Quant Method : M:\LOKI\DATA\210712\L0712NEW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Jul 16 10:45:51 2021
Response via : Initial Calibration
DataAcq Meth : 070721_L8260

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
43)	2-Pentanone	7.24	43	283224	95.73 ppb	98
44)	1,2-Dichloropropane	7.24	63	20394	4.15 ppb	90
45)	Bromodichloromethane	7.57	83	25462	4.31 ppb	97
46)	Methyl Cyclohexane	7.19	98	11558	3.89 ppb	79
47)	Dibromomethane	7.36	174	15792	4.49 ppb	97
49)	MIBK (methyl isobutyl ket	8.30	43	76269	39.72 ppb	97
50)	1-Bromo-2-chloroethane	7.91	63	14825	4.49 ppb	95
51)	Cis-1,3-Dichloropropene	8.10	75	29824	4.31 ppb	98
52)	Toluene	8.46	91	79676	4.46 ppb	92
53)	Trans-1,3-Dichloropropene	8.73	75	15816	4.34 ppb	95
54)	1,1,2-TCA	8.93	97	18509	4.43 ppb	89
55)	2-Hexanone	9.24	43	47152	40.90 ppb	99
58)	1,2-EDB	9.47	107	19255	4.40 ppb	84
59)	Tetrachloroethene	9.07	166	13306	4.18 ppb	99
60)	1-Chlorohexane	10.02	91	21882	4.45 ppb	96
61)	1,1,1,2-Tetrachloroethane	10.12	131	19337	4.35 ppb	94
62)	m&p-Xylene	10.28	91	122609	8.70 ppb	98
63)	o-Xylene	10.71	91	63617	3.82 ppb	100
64)	Styrene	10.73	104	47439	4.32 ppb	90
66)	1,3-Dichloropropane	9.11	76	30541	3.96 ppb	94
67)	Dibromochloromethane	9.35	129	19995	3.99 ppb	96
68)	Chlorobenzene	10.02	112	54183	4.33 ppb	99
69)	Ethylbenzene	10.15	91	45408	3.94 ppb	98
70)	Bromoform	10.92	173	14816	3.89 ppb	99
72)	Isopropylbenzene	11.13	105	76051	4.16 ppb	93
73)	1,1,2,2-Tetrachloroethane	11.45	83	22563	4.26 ppb	96
74)	1,2,3-Trichloropropane	11.49	110	7933	4.41 ppb	98
75)	t-1,4-Dichloro-2-Butene	11.52	53	4076	4.30 ppb	88
76)	Bromobenzene	11.44	158	22161	4.02 ppb	100
77)	n-Propylbenzene	11.58	91	86137	4.10 ppb	100
78)	4-Ethyltoluene	11.77	105	63223	4.11 ppb	98
79)	2-Chlorotoluene	11.78	91	63416	4.17 ppb	97
80)	1,3,5-Trimethylbenzene	12.18	105	63948	4.04 ppb	97
81)	4-Chlorotoluene	11.78	91	63416	4.17 ppb	97
82)	Tert-Butylbenzene	12.13	119	55091	4.10 ppb	95
83)	1,2,4-Trimethylbenzene	12.18	105	63948	4.20 ppb	97
84)	Sec-Butylbenzene	12.37	105	75584	3.99 ppb	95
85)	p-Isopropyltoluene	12.53	119	65875	3.93 ppb	98
86)	Benzyl Chloride	12.73	91	23487	4.58 ppb	99
87)	1,3-DCB	12.48	146	43283	4.09 ppb	98
88)	1,4-DCB	12.99	146	42637	4.06 ppb	96
89)	n-Butylbenzene	12.98	91	55862	4.23 ppb	97
90)	1,2-DCB	12.58	146	44437	4.28 ppb	98
91)	Hexachloroethane	13.28	117	11220	4.02 ppb	96
92)	1,2-Dibromo-3-chloropropan	13.85	157	5073	4.44 ppb	93
93)	1,2,4-Trichlorobenzene	14.76	180	13720	4.16 ppb	100
94)	Hexachlorobutadiene	14.95	225	6424	4.17 ppb	93
95)	Naphthalene	15.03	128	52378	4.40 ppb	100
96)	1,2,3-Trichlorobenzene	15.30	182	12668	4.38 ppb	91

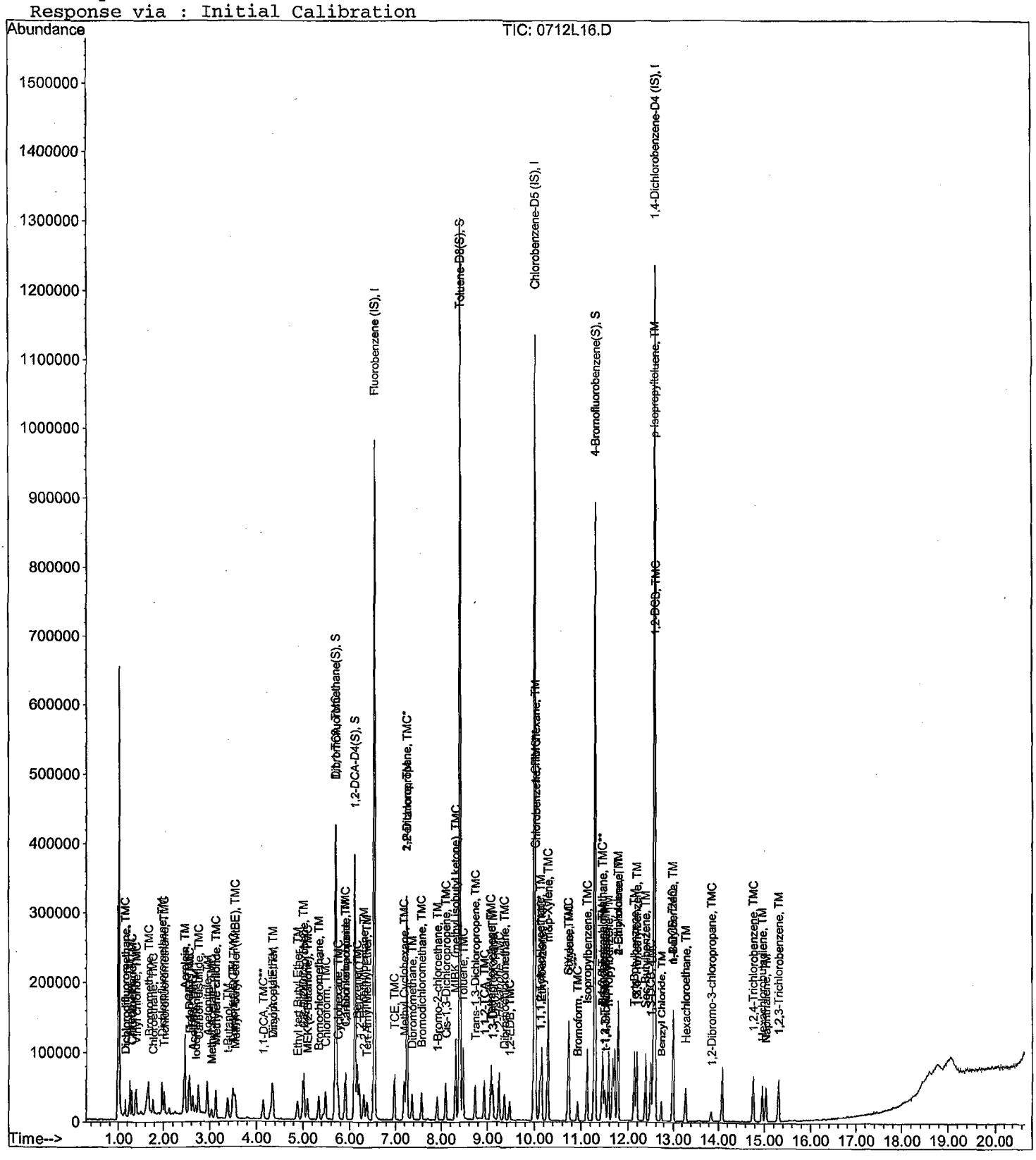
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\LOKI\DATA\210712\0712L16.D Vial: 6
Acq On : 12 Jul 21 15:59 Operator:
Sample : 5ug/L VOC STD 7/12/21 Inst : Loki
Misc : IS&S: 10/21/20, 11/11/20 Multiplr: 1.00

Quant Time: Jul 16 10:56 2021 Quant Results File: L0712NEW.RES

Method : M:\LOKI\DATA\210712\L0712NEW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Jul 16 10:45:51 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\LOKI\DATA\210712\0712L17.D Vial: 7
Acq On : 12 Jul 21 16:27 Operator:
Sample : 10ug/L VOC STD 7/12/21 Inst : Loki
Misc : IS&S: 10/21/20, 11/11/20 Multiplr: 1.00

Quant Time: Jul 16 10:56 2021 Quant Results File: L0712NEW.RES

Quant Method : M:\LOKI\DATA\210712\L0712NEW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Jul 16 10:45:51 2021
Response via : Initial Calibration
DataAcq Meth : 070721_L8260

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	6.53	96	970940	25.00 ppb	0.00
56) Chlorobenzene-D5 (IS)	9.99	117	752925	25.00 ppb	0.00
71) 1,4-Dichlorobenzene-D4 (IS	12.56	152	428056	25.00 ppb	0.00
System Monitoring Compounds					
32) Dibromofluoromethane(S)	5.69	113	259828	24.97 ppb	0.00
Spiked Amount 25.000			Recovery =	99.864%	
37) 1,2-DCA-D4(S)	6.10	65	289221	24.83 ppb	0.00
Spiked Amount 25.000			Recovery =	99.304%	
57) Toluene-D8(S)	8.39	98	946846	24.66 ppb	0.00
Spiked Amount 25.000			Recovery =	98.632%	
65) 4-Bromofluorobenzene(S)	11.29	174	320820	25.03 ppb	0.00
Spiked Amount 25.000			Recovery =	100.136%	
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.15	85	51774	10.60 ppb	100
3) Freon 114	1.26	85	46659	10.93 ppb	100
4) Chloromethane	1.30	50	51846	9.94 ppb	100
5) Vinyl chloride	1.40	62	53246	10.28 ppb	100
6) Bromomethane	1.67	96	43399	10.13 ppb	100
7) Chloroethane	1.77	64	31218	9.64 ppb	100
8) Dichlorofluoromethane	1.97	67	86615	10.02 ppb	100
9) Trichlorofluoromethane	2.01	101	44936	10.90 ppb	100
10) Acrolein	2.45	56	68752	123.53 ppb	100
11) Acetone	2.63	43	38723	49.98 ppb	100
12) Freon-113	2.57	101	39194	9.97 ppb	100
13) 1,1-DCE	2.54	61	66619	10.38 ppb	100
14) t-Butanol	3.39	59	58048	127.66 ppb	100
15) Acetonitrile	2.95	41	76960	120.27 ppb	100
16) Methyl Acetate	3.04	43	34398	10.16 ppb	100
17) Iodomethane	2.69	142	30746	8.48 ppb	100
18) Acrylonitrile	3.49	53	19462	10.34 ppb	100
19) Methylene chloride	3.13	84	49859	10.06 ppb	100
20) Carbon disulfide	2.75	76	75648	10.68 ppb	100
21) Methyl t-butyl ether (MtBE	3.54	73	110743	9.99 ppb	100
22) Trans-1,2-DCE	3.50	61	62499	10.27 ppb	100
23) Diisopropyl Ether	4.34	45	127461	10.00 ppb	100
24) 1,1-DCA	4.15	63	79727	9.96 ppb	100
25) Vinyl Acetate	4.34	43	25807	9.94 ppb	100
26) Ethyl tert Butyl Ether	4.88	59	75433	10.59 ppb	100
27) MEK (2-Butanone)	5.09	43	52376	50.76 ppb	100
28) Cis-1,2-DCE	5.01	61	71438	10.10 ppb	100
29) 2,2-Dichloropropane	5.00	77	68355	10.65 ppb	100
30) Chloroform	5.48	83	84833	10.27 ppb	100
31) Bromochloromethane	5.33	130	35893	10.27 ppb	100
33) 1,1,1-TCA	5.68	97	73795	10.00 ppb	100
34) Cyclohexane	5.74	56	61467	9.90 ppb	100
35) 1,1-Dichloropropene	5.90	75	58301	10.27 ppb	100
36) 2,2,4-Trimethylpentane	6.31	57	44288	10.15 ppb	100
38) Carbon Tetrachloride	5.89	119	57331	9.87 ppb	100
39) Tert Amyl Methyl Ether	6.37	73	65359	10.00 ppb	100
40) 1,2-DCA	6.20	62	66467	10.15 ppb	100
41) Benzene	6.16	78	184827	10.19 ppb	100
42) TCE	6.97	130	56011	9.97 ppb	100

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

Quantitation Report (Not Reviewed)

Data File : M:\LOKI\DATA\210712\0712L17.D Vial: 7
Acq On : 12 Jul 21 16:27 Operator:
Sample : 10ug/L VOC STD 7/12/21 Inst : Loki
Misc : IS&S: 10/21/20, 11/11/20 Multiplr: 1.00

Quant Time: Jul 16 10:56 2021 Quant Results File: L0712NEW.RES

Quant Method : M:\LOKI\DATA\210712\L0712NEW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Jul 16 10:45:51 2021
Response via : Initial Calibration
DataAcq Meth : 070721_L8260

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
43) 2-Pentanone	7.24	43	371304	121.74 ppb	100
44) 1,2-Dichloropropane	7.24	63	48195	9.51 ppb	100
45) Bromodichloromethane	7.58	83	64839	10.18 ppb	100
46) Methyl Cyclohexane	7.19	98	31087	10.14 ppb	100
47) Dibromomethane	7.36	174	38426	10.13 ppb	100
49) MIBK (methyl isobutyl ket	8.30	43	104635	52.86 ppb	100
50) 1-Bromo-2-chloroethane	7.91	63	33704	9.89 ppb	100
51) Cis-1,3-Dichloropropene	8.10	75	74125	9.80 ppb	100
52) Toluene	8.46	91	194117	9.93 ppb	100
53) Trans-1,3-Dichloropropene	8.73	75	39016	9.81 ppb	100
54) 1,1,2-TCA	8.93	97	45556	10.16 ppb	100
55) 2-Hexanone	9.24	43	61048	51.36 ppb	100
58) 1,2-EDB	9.46	107	47130	10.00 ppb	100
59) Tetrachloroethene	9.07	166	33816	10.15 ppb	100
60) 1-Chlorohexane	10.02	91	51297	9.68 ppb	100
61) 1,1,1,2-Tetrachloroethane	10.12	131	48715	10.13 ppb	100
62) m&p-Xylene	10.28	91	314290	19.58 ppb	100
63) o-Xylene	10.71	91	163752	9.64 ppb	100
64) Styrene	10.73	104	126654	9.53 ppb	100
66) 1,3-Dichloropropane	9.11	76	75433	9.58 ppb	100
67) Dibromochloromethane	9.35	129	51438	10.05 ppb	100
68) Chlorobenzene	10.02	112	134519	10.06 ppb	100
69) Ethylbenzene	10.15	91	117200	9.95 ppb	100
70) Bromoform	10.92	173	37447	9.62 ppb	100
72) Isopropylbenzene	11.13	105	201952	10.32 ppb	100
73) 1,1,2,2-Tetrachloroethane	11.45	83	56735	10.00 ppb	100
74) 1,2,3-Trichloropropane	11.50	110	19823	10.30 ppb	100
75) t-1,4-Dichloro-2-Butene	11.51	53	10210	10.06 ppb	100
76) Bromobenzene	11.44	158	57164	9.67 ppb	100
77) n-Propylbenzene	11.58	91	224108	9.95 ppb	100
78) 4-Ethyltoluene	11.77	105	165825	10.06 ppb	100
79) 2-Chlorotoluene	11.78	91	164845	10.12 ppb	100
80) 1,3,5-Trimethylbenzene	12.18	105	166710	9.82 ppb	100
81) 4-Chlorotoluene	11.78	91	164845	10.12 ppb	100
82) Tert-Butylbenzene	12.13	119	145009	10.07 ppb	100
83) 1,2,4-Trimethylbenzene	12.18	105	166710	9.92 ppb	100
84) Sec-Butylbenzene	12.37	105	197547	9.73 ppb	100
85) p-Isopropyltoluene	12.53	119	175622	9.79 ppb	100
86) Benzyl Chloride	12.73	91	58709	10.22 ppb	100
87) 1,3-DCB	12.48	146	111009	9.79 ppb	100
88) 1,4-DCB	12.99	146	110430	9.81 ppb	100
89) n-Butylbenzene	12.98	91	146802	9.81 ppb	100
90) 1,2-DCB	12.58	146	113140	10.10 ppb	100
91) Hexachloroethane	13.27	117	28455	9.52 ppb	100
92) 1,2-Dibromo-3-chloropropan	13.85	157	11699	9.00 ppb	100
93) 1,2,4-Trichlorobenzene	14.76	180	34424	9.41 ppb	100
94) Hexachlorobutadiene	14.95	225	16640	10.09 ppb	100
95) Naphthalene	15.03	128	135945	9.13 ppb	100
96) 1,2,3-Trichlorobenzene	15.30	182	29616	9.23 ppb	100

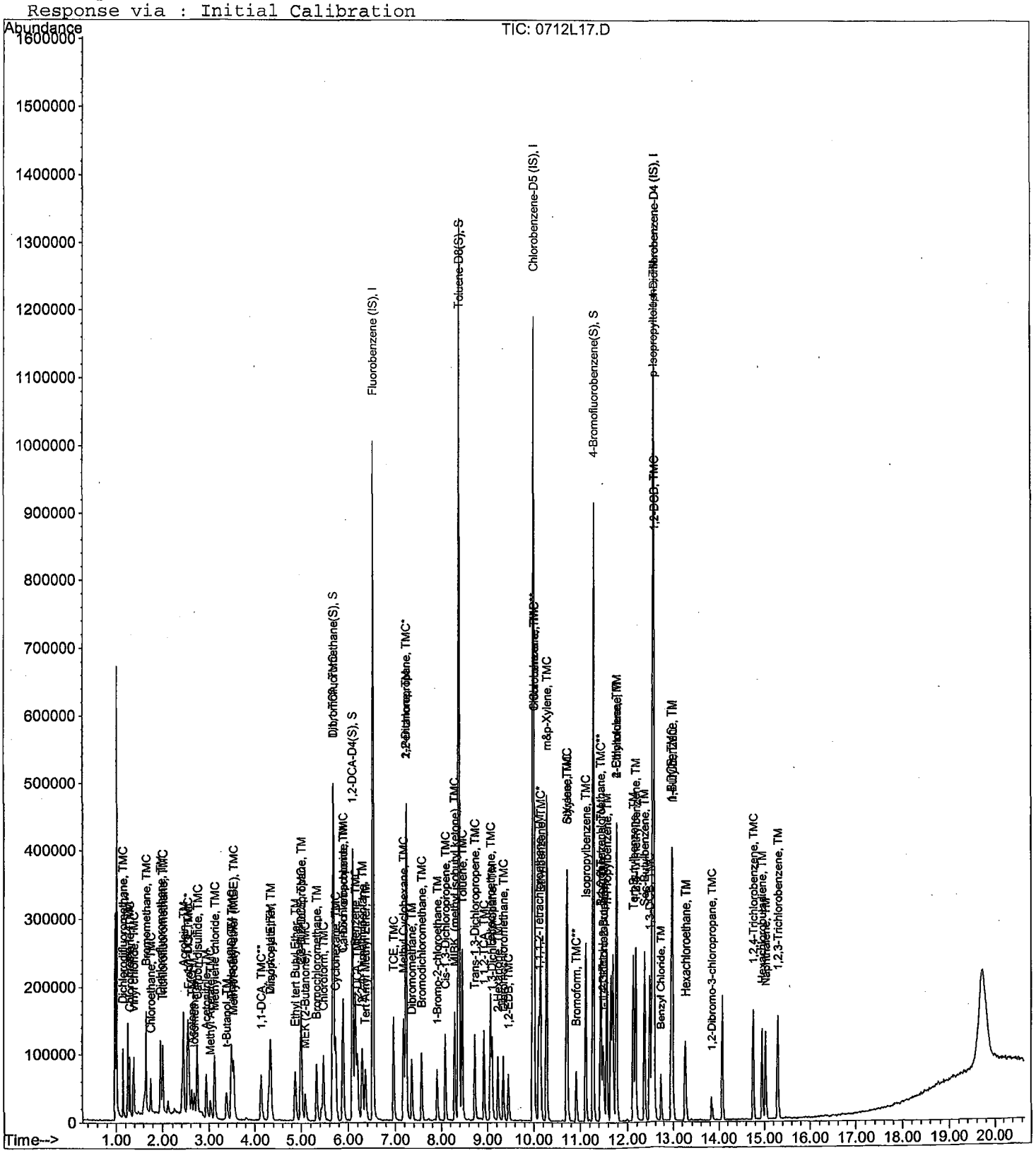
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\LOKI\DATA\210712\0712L17.D Vial: 7
Acq On : 12 Jul 21 16:27 Operator:
Sample : 10ug/L VOC STD 7/12/21 Inst : Loki
Misc : IS&S: 10/21/20, 11/11/20 Multiplr: 1.00

Quant Time: Jul 16 10:56 2021 Quant Results File: L0712NEW.RES

Method : M:\LOKI\DATA\210712\L0712NEW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Jul 16 10:45:51 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\LOKI\DATA\210712\0712L18.D Vial: 8
Acq On : 12 Jul 21 16:54 Operator:
Sample : 20ug/L VOC STD 7/12/21 Inst : Loki
Misc : IS&S: 10/21/20, 11/11/20 Multiplr: 1.00

Quant Time: Jul 16 10:56 2021 Quant Results File: L0712NEW.RES

Quant Method : M:\LOKI\DATA\210712\L0712NEW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Jul 16 10:45:51 2021
Response via : Initial Calibration
DataAcq Meth : 070721_L8260

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	6.53	96	951157	25.00 ppb	0.00
56) Chlorobenzene-D5 (IS)	9.99	117	747841	25.00 ppb	0.00
71) 1,4-Dichlorobenzene-D4 (IS	12.55	152	432926	25.00 ppb	0.00
System Monitoring Compounds					
32) Dibromofluoromethane(S)	5.69	113	493555	48.41 ppb	0.00
Spiked Amount 25.000			Recovery =	193.640%	
37) 1,2-DCA-D4(S)	6.10	65	548779	48.09 ppb	0.00
Spiked Amount 25.000			Recovery =	192.340%	
57) Toluene-D8(S)	8.39	98	1858003	48.72 ppb	0.00
Spiked Amount 25.000			Recovery =	194.864%	
65) 4-Bromofluorobenzene(S)	11.29	174	633195	49.74 ppb	0.00
Spiked Amount 25.000			Recovery =	198.980%	
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.15	85	93974	19.27 ppb	96
3) Freon 114	1.26	85	81812	19.56 ppb	97
4) Chloromethane	1.30	50	98644	19.55 ppb	100
5) Vinyl chloride	1.40	62	100662	19.84 ppb	99
6) Bromomethane	1.67	96	87463	21.47 ppb	97
7) Chloroethane	1.77	64	58226	18.36 ppb	95
8) Dichlorofluoromethane	1.97	67	168794	19.93 ppb	99
9) Trichlorofluoromethane	2.01	101	77912	19.29 ppb	94
10) Acrolein	2.44	56	77052	141.32 ppb	95
11) Acetone	2.63	43	42774	56.61 ppb	97
12) Freon-113	2.56	101	73928	19.20 ppb	98
13) 1,1-DCE	2.54	61	120024	18.96 ppb	95
14) t-Butanol	3.38	59	77284	173.50 ppb	94
15) Acetonitrile	2.95	41	87768	140.02 ppb	97
16) Methyl Acetate	3.03	43	65497	19.59 ppb	97
17) Iodomethane	2.69	142	66486	16.14 ppb	96
18) Acrylonitrile	3.48	53	36605	19.86 ppb	94
19) Methylene chloride	3.12	84	93110	19.28 ppb	94
20) Carbon disulfide	2.75	76	139968	20.32 ppb	98
21) Methyl t-butyl ether (MtBE	3.54	73	217972	20.07 ppb	98
22) Trans-1,2-DCE	3.50	61	115047	19.15 ppb	98
23) Diisopropyl Ether	4.34	45	253059	20.27 ppb	100
24) 1,1-DCA	4.14	63	153317	19.42 ppb	97
25) Vinyl Acetate	4.34	43	50416	20.14 ppb	100
26) Ethyl tert Butyl Ether	4.88	59	137314	19.68 ppb	99
27) MEK (2-Butanone)	5.09	43	60631	59.99 ppb	98
28) Cis-1,2-DCE	5.01	61	132506	18.99 ppb	96
29) 2,2-Dichloropropane	5.00	77	119939	19.24 ppb	100
30) Chloroform	5.48	83	155331	19.06 ppb	99
31) Bromochloromethane	5.33	130	66274	19.59 ppb	98
33) 1,1,1-TCA	5.68	97	131185	18.14 ppb	96
34) Cyclohexane	5.74	56	114861	18.88 ppb	96
35) 1,1-Dichloropropene	5.90	75	106642	18.86 ppb	99
36) 2,2,4-Trimethylpentane	6.30	57	84009	19.64 ppb	99
38) Carbon Tetrachloride	5.89	119	103688	18.22 ppb	98
39) Tert Amyl Methyl Ether	6.37	73	119940	17.86 ppb	93
40) 1,2-DCA	6.20	62	123172	19.16 ppb	100
41) Benzene	6.16	78	342504	19.09 ppb	99
42) TCE	6.97	130	104356	18.86 ppb	95

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

Quantitation Report (Not Reviewed)

Data File : M:\LOKI\DATA\210712\0712L18.D Vial: 8
Acq On : 12 Jul 21 16:54 Operator:
Sample : 20ug/L VOC STD 7/12/21 Inst : Loki
Misc : IS&S: 10/21/20, 11/11/20 Multiplr: 1.00

Quant Time: Jul 16 10:56 2021 Quant Results File: L0712NEW.RES

Quant Method : M:\LOKI\DATA\210712\L0712NEW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Jul 16 10:45:51 2021
Response via : Initial Calibration
DataAcq Meth : 070721_L8260

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
43)	2-Pentanone	7.24	43	437924	146.57	ppb	98
44)	1,2-Dichloropropane	7.24	63	91874	18.51	ppb	91
45)	Bromodichloromethane	7.58	83	119239	18.84	ppb	98
46)	Methyl Cyclohexane	7.19	98	59400	19.79	ppb	94
47)	Dibromomethane	7.36	174	71061	18.82	ppb	96
49)	MIBK (methyl isobutyl ket	8.30	43	115572	59.60	ppb	99
50)	1-Bromo-2-chloroethane	7.91	63	66608	19.96	ppb	95
51)	Cis-1,3-Dichloropropene	8.10	75	140738	18.59	ppb	98
52)	Toluene	8.46	91	369359	18.88	ppb	96
53)	Trans-1,3-Dichloropropene	8.73	75	74352	18.70	ppb	95
54)	1,1,2-TCA	8.93	97	85072	19.08	ppb	97
55)	2-Hexanone	9.24	43	70386	60.45	ppb	96
58)	1,2-EDB	9.46	107	87091	18.26	ppb	99
59)	Tetrachloroethene	9.07	166	63408	19.01	ppb	95
60)	1-Chlorohexane	10.02	91	101170	18.81	ppb	97
61)	1,1,1,2-Tetrachloroethane	10.12	131	89956	18.47	ppb	92
62)	m&p-Xylene	10.28	91	604241	36.49	ppb	96
63)	o-Xylene	10.71	91	311626	18.46	ppb	99
64)	Styrene	10.73	104	249008	17.80	ppb	97
66)	1,3-Dichloropropane	9.11	76	139081	17.79	ppb	94
67)	Dibromochloromethane	9.35	129	96013	18.89	ppb	98
68)	Chlorobenzene	10.02	112	250759	18.60	ppb	98
69)	Ethylbenzene	10.15	91	220032	18.81	ppb	97
70)	Bromoform	10.92	173	71995	18.63	ppb	100
72)	Isopropylbenzene	11.13	105	377012	19.05	ppb	98
73)	1,1,2,2-Tetrachloroethane	11.45	83	104419	18.19	ppb	99
74)	1,2,3-Trichloropropane	11.49	110	35710	18.34	ppb	97
75)	t-1,4-Dichloro-2-Butene	11.52	53	20437	19.90	ppb	98
76)	Bromobenzene	11.44	158	112365	18.80	ppb	94
77)	n-Propylbenzene	11.58	91	440155	19.32	ppb	100
78)	4-Ethyltoluene	11.77	105	322579	19.36	ppb	99
79)	2-Chlorotoluene	11.78	91	316399	19.21	ppb	100
80)	1,3,5-Trimethylbenzene	12.18	105	327653	19.09	ppb	96
81)	4-Chlorotoluene	11.78	91	316399	19.21	ppb	100
82)	Tert-Butylbenzene	12.13	119	280403	19.25	ppb	99
83)	1,2,4-Trimethylbenzene	12.18	105	327653	19.08	ppb	96
84)	Sec-Butylbenzene	12.37	105	387732	18.88	ppb	98
85)	p-Isopropyltoluene	12.53	119	345344	19.03	ppb	97
86)	Benzyl Chloride	12.73	91	103525	17.55	ppb	100
87)	1,3-DCB	12.48	146	211680	18.47	ppb	97
88)	1,4-DCB	12.99	146	210397	18.48	ppb	97
89)	n-Butylbenzene	12.98	91	285235	18.48	ppb	98
90)	1,2-DCB	12.58	146	216575	19.07	ppb	98
91)	Hexachloroethane	13.27	117	53893	17.82	ppb	96
92)	1,2-Dibromo-3-chloropropan	13.85	157	24722	18.27	ppb	95
93)	1,2,4-Trichlorobenzene	14.76	180	67976	18.13	ppb	98
94)	Hexachlorobutadiene	14.95	225	31808	19.07	ppb	92
95)	Naphthalene	15.03	128	286178	17.83	ppb	96
96)	1,2,3-Trichlorobenzene	15.30	182	59728	18.12	ppb	96

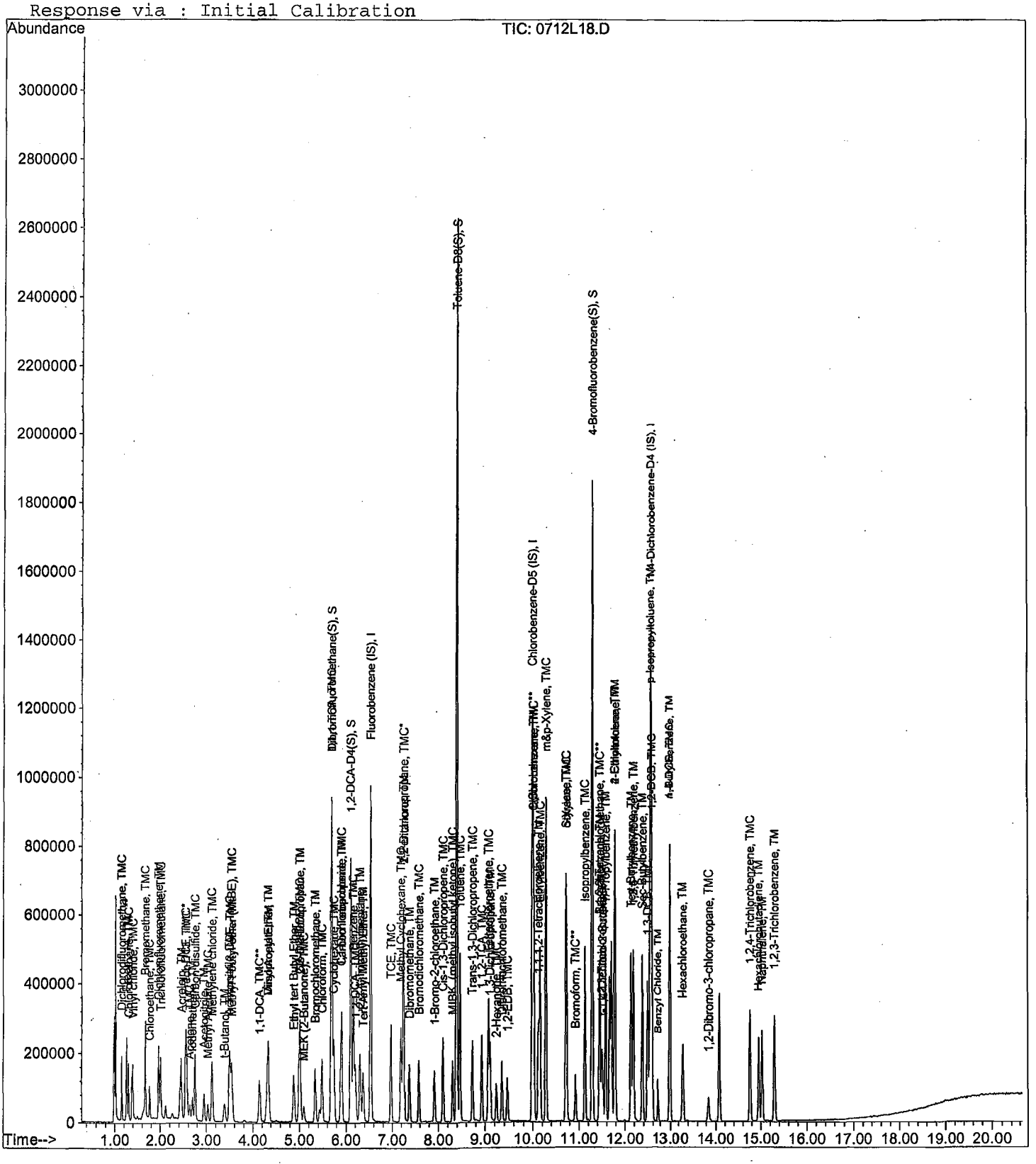
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\LOKI\DATA\210712\0712L18.D Vial: 8
Acq On : 12 Jul 21 16:54 Operator:
Sample : 20ug/L VOC STD 7/12/21 Inst : Loki
Misc : IS&S: 10/21/20, 11/11/20 Multiplr: 1.00

Quant Time: Jul 16 10:56 2021 Quant Results File: L0712NEW.RES

Method : M:\LOKI\DATA\210712\L0712NEW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Jul 16 10:45:51 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\LOKI\DATA\210712\0712L19.D Vial: 9
Acq On : 12 Jul 21 17:22 Operator:
Sample : 40ug/L VOC STD 7/12/21 Inst : Loki
Misc : IS&S: 10/21/20, 11/11/20 Multiplr: 1.00

Quant Time: Jul 16 10:56 2021 Quant Results File: L0712NEW.RES

Quant Method : M:\LOKI\DATA\210712\L0712NEW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Jul 16 10:45:51 2021
Response via : Initial Calibration
DataAcq Meth : 070721_L8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.53	96	968501	25.00	ppb	0.00
56) Chlorobenzene-D5 (IS)	9.99	117	755400	25.00	ppb	0.00
71) 1,4-Dichlorobenzene-D4 (IS	12.55	152	457753	25.00	ppb	0.00
System Monitoring Compounds						
32) Dibromofluoromethane(S)	5.69	113	501615	48.32	ppb	0.00
Spiked Amount 25.000			Recovery =	193.276%		
37) 1,2-DCA-D4(S)	6.10	65	552671	47.56	ppb	0.00
Spiked Amount 25.000			Recovery =	190.236%		
57) Toluene-D8(S)	8.39	98	1881020	48.83	ppb	0.00
Spiked Amount 25.000			Recovery =	195.304%		
65) 4-Bromofluorobenzene(S)	11.29	174	666656	51.85	ppb	0.00
Spiked Amount 25.000			Recovery =	207.400%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.15	85	202546	40.29	ppb	99
3) Freon 114	1.26	85	168565	39.58	ppb	93
4) Chloromethane	1.30	50	207463	40.66	ppb	99
5) Vinyl chloride	1.40	62	203755	39.44	ppb	98
6) Bromomethane	1.67	96	167881	40.98	ppb	98
7) Chloroethane	1.77	64	121492	37.62	ppb	100
8) Dichlorofluoromethane	1.97	67	340775	39.51	ppb	100
9) Trichlorofluoromethane	2.01	101	163840	39.84	ppb	93
10) Acrolein	2.45	56	92615	166.82	ppb	94
11) Acetone	2.63	43	59594	78.19	ppb	98
12) Freon-113	2.56	101	154980	39.52	ppb	99
13) 1,1-DCE	2.54	61	263308	40.68	ppb	97
14) t-Butanol	3.39	59	106990	235.89	ppb	98
15) Acetonitrile	2.95	41	103117	161.56	ppb	97
16) Methyl Acetate	3.04	43	133942	39.19	ppb	93
17) Iodomethane	2.69	142	162868	35.84	ppb	92
18) Acrylonitrile	3.48	53	71497	38.09	ppb	98
19) Methylene chloride	3.13	84	197462	40.29	ppb	96
20) Carbon disulfide	2.75	76	280640	40.18	ppb	99
21) Methyl t-butyl ether (MtBE	3.54	73	454062	41.05	ppb	97
22) Trans-1,2-DCE	3.50	61	247418	40.28	ppb	97
23) Diisopropyl Ether	4.34	45	518742	40.80	ppb	98
24) 1,1-DCA	4.14	63	324560	40.24	ppb	98
25) Vinyl Acetate	4.34	43	100853	39.88	ppb	99
26) Ethyl tert Butyl Ether	4.88	59	316014	44.48	ppb	99
27) MEK (2-Butanone)	5.09	43	81087	78.79	ppb	97
28) Cis-1,2-DCE	5.01	61	286868	40.21	ppb	94
29) 2,2-Dichloropropane	5.00	77	257953	40.87	ppb	97
30) Chloroform	5.48	83	336587	40.38	ppb	99
31) Bromochloromethane	5.33	130	143407	41.94	ppb	97
33) 1,1,1-TCA	5.68	97	287247	39.01	ppb	100
34) Cyclohexane	5.74	56	240604	38.85	ppb	95
35) 1,1-Dichloropropene	5.90	75	229964	39.55	ppb	97
36) 2,2,4-Trimethylpentane	6.30	57	176938	40.63	ppb	99
38) Carbon Tetrachloride	5.89	119	230506	39.78	ppb	95
39) Tert Amyl Methyl Ether	6.37	73	272367	38.59	ppb	98
40) 1,2-DCA	6.20	62	267366	40.79	ppb	99
41) Benzene	6.16	78	734236	39.96	ppb	100
42) TCE	6.97	130	221657	39.23	ppb	95

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

Data File : M:\LOKI\DATA\210712\0712L19.D Vial: 9
Acq On : 12 Jul 21 17:22 Operator:
Sample : 40ug/L VOC STD 7/12/21 Inst : Loki
Misc : IS&S: 10/21/20, 11/11/20 Multiplr: 1.00

Quant Time: Jul 16 10:56 2021 Quant Results File: L0712NEW.RES

Quant Method : M:\LOKI\DATA\210712\L0712NEW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Jul 16 10:45:51 2021
Response via : Initial Calibration
DataAcq Meth : 070721_L8260

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
43) 2-Pentanone	7.24	43	521721	171.49 ppb	99
44) 1,2-Dichloropropane	7.24	63	198110	39.20 ppb	89
45) Bromodichloromethane	7.58	83	259281	39.87 ppb	99
46) Methyl Cyclohexane	7.19	98	131668	43.07 ppb	85
47) Dibromomethane	7.36	174	155087	39.93 ppb	99
49) MIBK (methyl isobutyl ket	8.30	43	161252	81.67 ppb	98
50) 1-Bromo-2-chloroethane	7.91	63	136704	40.23 ppb	94
51) Cis-1,3-Dichloropropene	8.10	75	314822	40.33 ppb	100
52) Toluene	8.46	91	792913	39.32 ppb	95
53) Trans-1,3-Dichloropropene	8.73	75	165184	40.31 ppb	97
54) 1,1,2-TCA	8.93	97	179766	39.27 ppb	96
55) 2-Hexanone	9.23	43	99293	83.75 ppb	100
58) 1,2-EDB	9.46	107	196550	40.31 ppb	97
59) Tetrachloroethene	9.07	166	137728	40.67 ppb	94
60) 1-Chlorohexane	10.02	91	217277	39.53 ppb	93
61) 1,1,1,2-Tetrachloroethane	10.12	131	197349	39.63 ppb	95
62) m&p-Xylene	10.28	91	1363546	79.68 ppb	96
63) o-Xylene	10.71	91	700296	41.07 ppb	100
64) Styrene	10.73	104	562946	38.48 ppb	94
66) 1,3-Dichloropropane	9.11	76	302059	38.24 ppb	98
67) Dibromochloromethane	9.35	129	212897	41.46 ppb	93
68) Chlorobenzene	10.02	112	552927	40.21 ppb	99
69) Ethylbenzene	10.15	91	501568	42.44 ppb	98
70) Bromoform	10.92	173	160720	41.17 ppb	99
72) Isopropylbenzene	11.13	105	856307	40.93 ppb	97
73) 1,1,2,2-Tetrachloroethane	11.45	83	233287	38.43 ppb	95
74) 1,2,3-Trichloropropane	11.50	110	80648	39.17 ppb	100
75) t-1,4-Dichloro-2-Butene	11.52	53	44407	40.90 ppb	99
76) Bromobenzene	11.44	158	241408	38.21 ppb	100
77) n-Propylbenzene	11.58	91	987307	41.00 ppb	99
78) 4-Ethyltoluene	11.77	105	743104	42.17 ppb	96
79) 2-Chlorotoluene	11.78	91	714589	41.02 ppb	100
80) 1,3,5-Trimethylbenzene	12.18	105	745286	41.06 ppb	94
81) 4-Chlorotoluene	11.78	91	714589	41.02 ppb	100
82) Tert-Butylbenzene	12.13	119	625116	40.59 ppb	100
83) 1,2,4-Trimethylbenzene	12.18	105	745286	40.82 ppb	94
84) Sec-Butylbenzene	12.37	105	889869	40.97 ppb	99
85) p-Isopropyltoluene	12.53	119	805380	41.97 ppb	98
86) Benzyl Chloride	12.73	91	252895	40.06 ppb	97
87) 1,3-DCB	12.48	146	476593	39.32 ppb	95
88) 1,4-DCB	12.99	146	471528	39.18 ppb	96
89) n-Butylbenzene	12.98	91	663434	40.19 ppb	100
90) 1,2-DCB	12.58	146	492409	40.94 ppb	98
91) Hexachloroethane	13.27	117	126409	39.54 ppb	96
92) 1,2-Dibromo-3-chloropropan	13.85	157	60178	41.43 ppb	97
93) 1,2,4-Trichlorobenzene	14.76	180	165056	41.31 ppb	98
94) Hexachlorobutadiene	14.96	225	73048	41.42 ppb	96
95) Naphthalene	15.03	128	692275	39.42 ppb	98
96) 1,2,3-Trichlorobenzene	15.30	182	147136	41.85 ppb	99

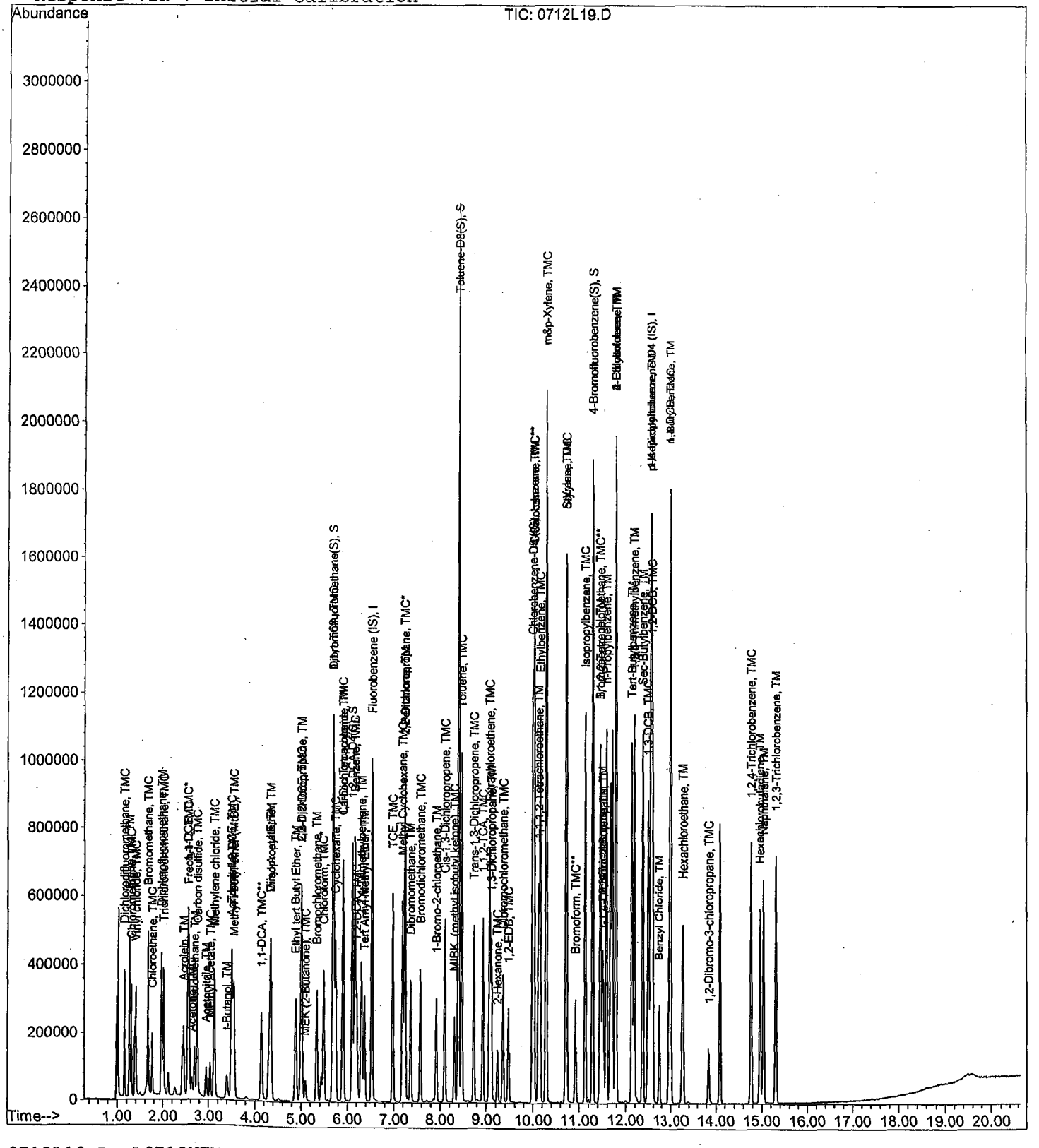
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\LOKI\DATA\210712\0712L19.D Vial: 9
Acq On : 12 Jul 21 17:22 Operator:
Sample : 40ug/L VOC STD 7/12/21 Inst : Loki
Misc : IS&S: 10/21/20, 11/11/20 Multiplr: 1.00

Quant Time: Jul 16 10:56 2021 Quant Results File: L0712NEW.RES

Method : M:\LOKI\DATA\210712\L0712NEW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Jul 16 10:45:51 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\LOKI\DATA\210712\0712L20.D Vial: 10
Acq On : 12 Jul 21 17:49 Operator:
Sample : 100ug/L VOC STD 7/12/21 Inst : Loki
Misc : IS&S: 10/21/20, 11/11/20 Multiplr: 1.00

Quant Time: Jul 16 10:56 2021 Quant Results File: L0712NEW.RES

Quant Method : M:\LOKI\DATA\210712\L0712NEW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Jul 16 10:45:51 2021
Response via : Initial Calibration
DataAcq Meth : 070721_L8260

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene (IS)	6.53	96	974880	25.00	ppb		0.00
56) Chlorobenzene-D5 (IS)	9.99	117	767542	25.00	ppb		0.00
71) 1,4-Dichlorobenzene-D4 (IS	12.56	152	510505	25.00	ppb		0.00
System Monitoring Compounds							
32) Dibromofluoromethane(S)	5.69	113	979839	93.77	ppb		0.00
Spiked Amount 25.000			Recovery = 375.072%				
37) 1,2-DCA-D4(S)	6.10	65	1068172	91.32	ppb		0.00
Spiked Amount 25.000			Recovery = 365.272%				
57) Toluene-D8(S)	8.39	98	3723101	95.11	ppb		0.00
Spiked Amount 25.000			Recovery = 380.448%				
65) 4-Bromofluorobenzene(S)	11.29	174	1357501	103.91	ppb		0.00
Spiked Amount 25.000			Recovery = 415.640%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.15	85	509579	100.05	ppb		99
3) Freon 114	1.26	85	426542	99.50	ppb		95
4) Chloromethane	1.30	50	514801	100.63	ppb		100
5) Vinyl chloride	1.40	62	522982	100.58	ppb		100
6) Bromomethane	1.67	96	406306	99.36	ppb		98
7) Chloroethane	1.75	64	335026	103.07	ppb		100
8) Dichlorofluoromethane	1.97	67	854005	98.36	ppb		100
9) Trichlorofluoromethane	2.00	101	420736	101.63	ppb		95
10) Acrolein	2.45	56	105330	188.48	ppb		96
11) Acetone	2.63	43	79368	104.09	ppb		100
12) Freon-113	2.56	101	388334	98.38	ppb		98
13) 1,1-DCE	2.53	61	652490	99.93	ppb		96
14) t-Butanol	3.42	59	198481	434.75	ppb		96
15) Acetonitrile	2.95	41	130031	202.39	ppb		98
16) Methyl Acetate	3.04	43	346288	100.40	ppb		96
17) Iodomethane	2.69	142	488356	102.55	ppb		93
18) Acrylonitrile	3.48	53	179683	95.09	ppb	#	94
19) Methylene chloride	3.12	84	492687	100.04	ppb		93
20) Carbon disulfide	2.75	76	700160	99.83	ppb		100
21) Methyl t-butyl ether (MtBE	3.54	73	1154945	103.74	ppb		98
22) Trans-1,2-DCE	3.49	61	620192	100.06	ppb		97
23) Diisopropyl Ether	4.34	45	1327632	103.74	ppb		99
24) 1,1-DCA	4.14	63	813894	100.05	ppb		96
25) Vinyl Acetate	4.34	43	253448	100.06	ppb	#	98
26) Ethyl tert Butyl Ether	4.88	59	787641	110.15	ppb		99
27) MEK (2-Butanone)	5.09	43	103349	99.76	ppb		100
28) Cis-1,2-DCE	5.01	61	720673	100.12	ppb		94
29) 2,2-Dichloropropane	5.00	77	632026	99.77	ppb		99
30) Chloroform	5.48	83	841373	100.04	ppb		99
31) Bromochloromethane	5.33	130	340525	99.32	ppb		97
33) 1,1,1-TCA	5.68	97	717707	96.83	ppb		100
34) Cyclohexane	5.74	56	628329	100.79	ppb		96
35) 1,1-Dichloropropene	5.90	75	590995	100.41	ppb		97
36) 2,2,4-Trimethylpentane	6.30	57	466504	106.43	ppb		98
38) Carbon Tetrachloride	5.89	119	582419	99.86	ppb		95
39) Tert Amyl Methyl Ether	6.37	73	729318	101.00	ppb		95
40) 1,2-DCA	6.20	62	659347	99.86	ppb		99
41) Benzene	6.16	78	1859174	100.20	ppb		98
42) TCE	6.97	130	572752	100.55	ppb		95

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

Data File : M:\LOKI\DATA\210712\0712L20.D Vial: 10
Acq On : 12 Jul 21 17:49 Operator:
Sample : 100ug/L VOC STD 7/12/21 Inst : Loki
Misc : IS&S: 10/21/20, 11/11/20 Multiplr: 1.00

Quant Time: Jul 16 10:56 2021 Quant Results File: L0712NEW.RES

Quant Method : M:\LOKI\DATA\210712\L0712NEW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Jul 16 10:45:51 2021
Response via : Initial Calibration
DataAcq Meth : 070721_L8260

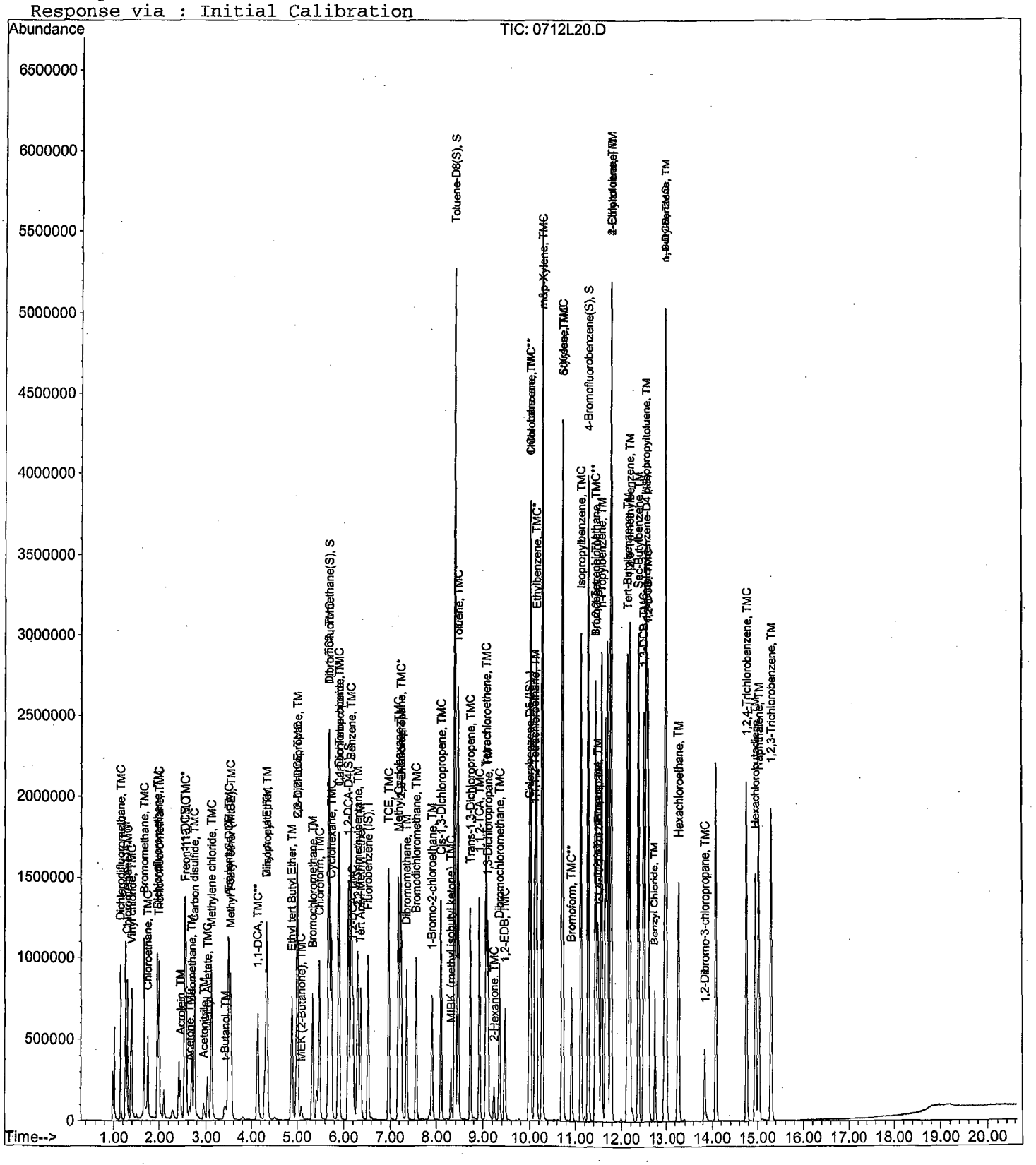
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
43) 2-Pentanone	7.24	43	626878	204.70 ppb	99
44) 1,2-Dichloropropane	7.24	63	487884	95.90 ppb	95
45) Bromodichloromethane	7.57	83	659605	100.29 ppb	99
46) Methyl Cyclohexane	7.19	98	330659	107.46 ppb	92
47) Dibromomethane	7.36	174	394025	100.27 ppb	100
49) MIBK (methyl isobutyl ket	8.30	43	207105	104.20 ppb	100
50) 1-Bromo-2-chloroethane	7.91	63	347264	101.53 ppb	94
51) Cis-1,3-Dichloropropene	8.10	75	792360	100.19 ppb	99
52) Toluene	8.46	91	2054633	100.52 ppb	96
53) Trans-1,3-Dichloropropene	8.73	75	415808	100.18 ppb	97
54) 1,1,2-TCA	8.93	97	465229	100.48 ppb	97
55) 2-Hexanone	9.24	43	132689	111.19 ppb	97
58) 1,2-EDB	9.46	107	499609	100.24 ppb	97
59) Tetrachloroethene	9.07	166	344768	99.95 ppb	95
60) 1-Chlorohexane	10.02	91	564695	100.46 ppb	94
61) 1,1,1,2-Tetrachloroethane	10.12	131	511537	100.46 ppb	95
62) m&p-Xylene	10.28	91	3533388	200.91 ppb	97
63) o-Xylene	10.71	91	1833891	105.86 ppb	99
64) Styrene	10.73	104	1529763	101.10 ppb	95
66) 1,3-Dichloropropane	9.11	76	777352	96.86 ppb	97
67) Dibromochloromethane	9.35	129	546231	104.70 ppb	96
68) Chlorobenzene	10.02	112	1406946	100.21 ppb	99
69) Ethylbenzene	10.15	91	1276928	106.33 ppb	99
70) Bromoform	10.92	173	442665	111.59 ppb	99
72) Isopropylbenzene	11.13	105	2276273	97.56 ppb	96
73) 1,1,2,2-Tetrachloroethane	11.45	83	624311	92.22 ppb	98
74) 1,2,3-Trichloropropane	11.50	110	219535	95.60 ppb	98
75) t-1,4-Dichloro-2-Butene	11.52	53	124853	103.12 ppb	97
76) Bromobenzene	11.44	158	648006	91.96 ppb	98
77) n-Propylbenzene	11.58	91	2635009	98.11 ppb	99
78) 4-Ethyltoluene	11.77	105	1974267	100.46 ppb	98
79) 2-Chlorotoluene	11.78	91	1911414	98.39 ppb	99
80) 1,3,5-Trimethylbenzene	12.18	105	2040346	100.80 ppb	95
81) 4-Chlorotoluene	11.78	91	1911414	98.39 ppb	99
82) Tert-Butylbenzene	12.13	119	1708780	99.48 ppb	100
83) 1,2,4-Trimethylbenzene	12.18	105	2040346	99.90 ppb	95
84) Sec-Butylbenzene	12.37	105	2450990	101.20 ppb	98
85) p-Isopropyltoluene	12.53	119	2221170	103.78 ppb	96
86) Benzyl Chloride	12.73	91	710974	100.45 ppb	98
87) 1,3-DCB	12.48	146	1313030	97.14 ppb	96
88) 1,4-DCB	12.99	146	1332068	99.23 ppb	96
89) n-Butylbenzene	12.98	91	1856915	100.27 ppb	100
90) 1,2-DCB	12.58	146	1340076	99.83 ppb	97
91) Hexachloroethane	13.27	117	363460	101.94 ppb	96
92) 1,2-Dibromo-3-chloropropan	13.85	157	162950	99.89 ppb	95
93) 1,2,4-Trichlorobenzene	14.76	180	446912	99.94 ppb	99
94) Hexachlorobutadiene	14.96	225	195968	99.65 ppb	98
95) Naphthalene	15.03	128	2007081	100.75 ppb	97
96) 1,2,3-Trichlorobenzene	15.30	182	392512	99.73 ppb	100

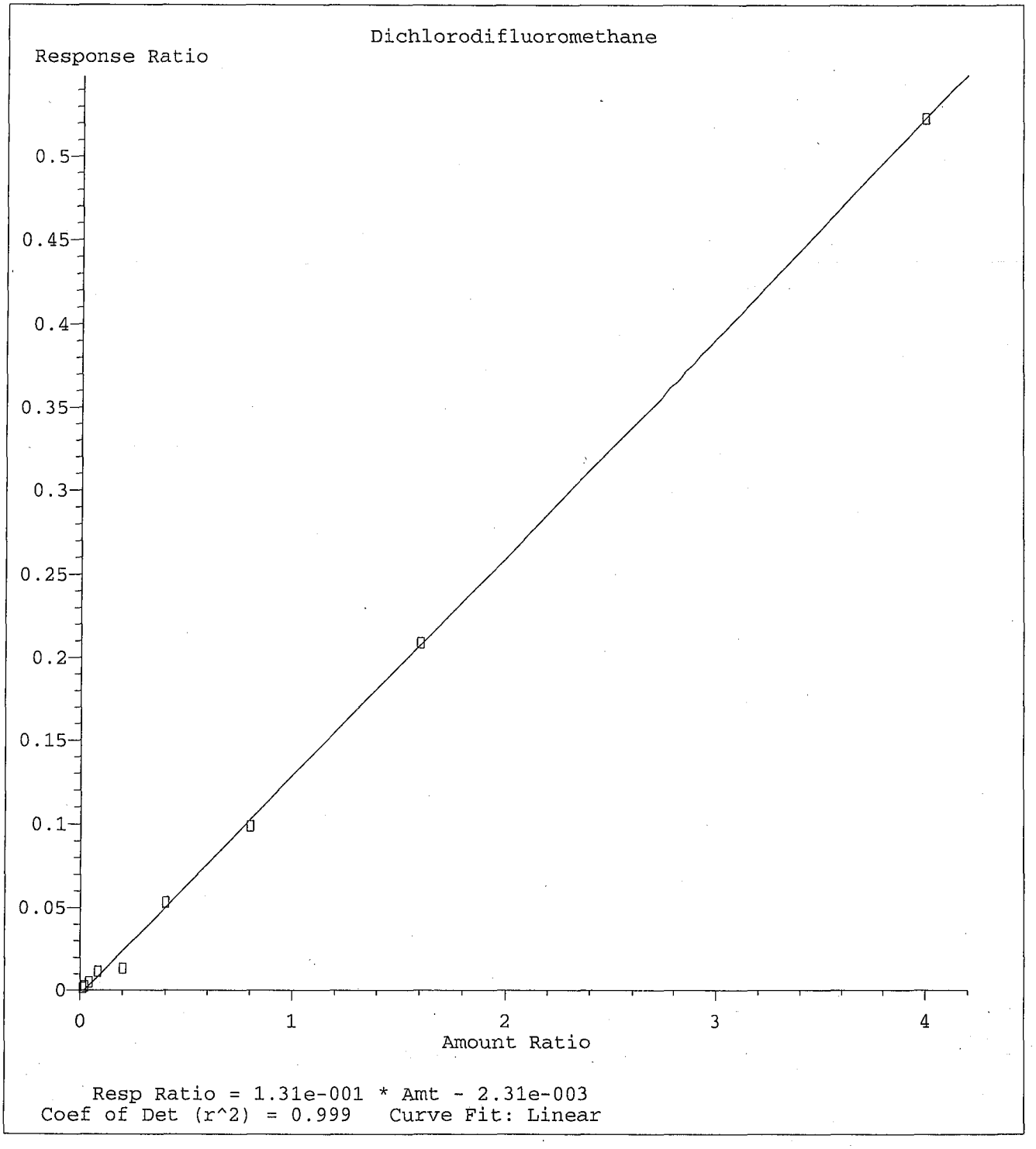
(#) = qualifier out of range (m) = manual integration

Data File : M:\LOKI\DATA\210712\0712L20.D Vial: 10
Acq On : 12 Jul 21 17:49 Operator:
Sample : 100ug/L VOC STD 7/12/21 Inst : Loki
Misc : IS&S: 10/21/20, 11/11/20 Multiplr: 1.00

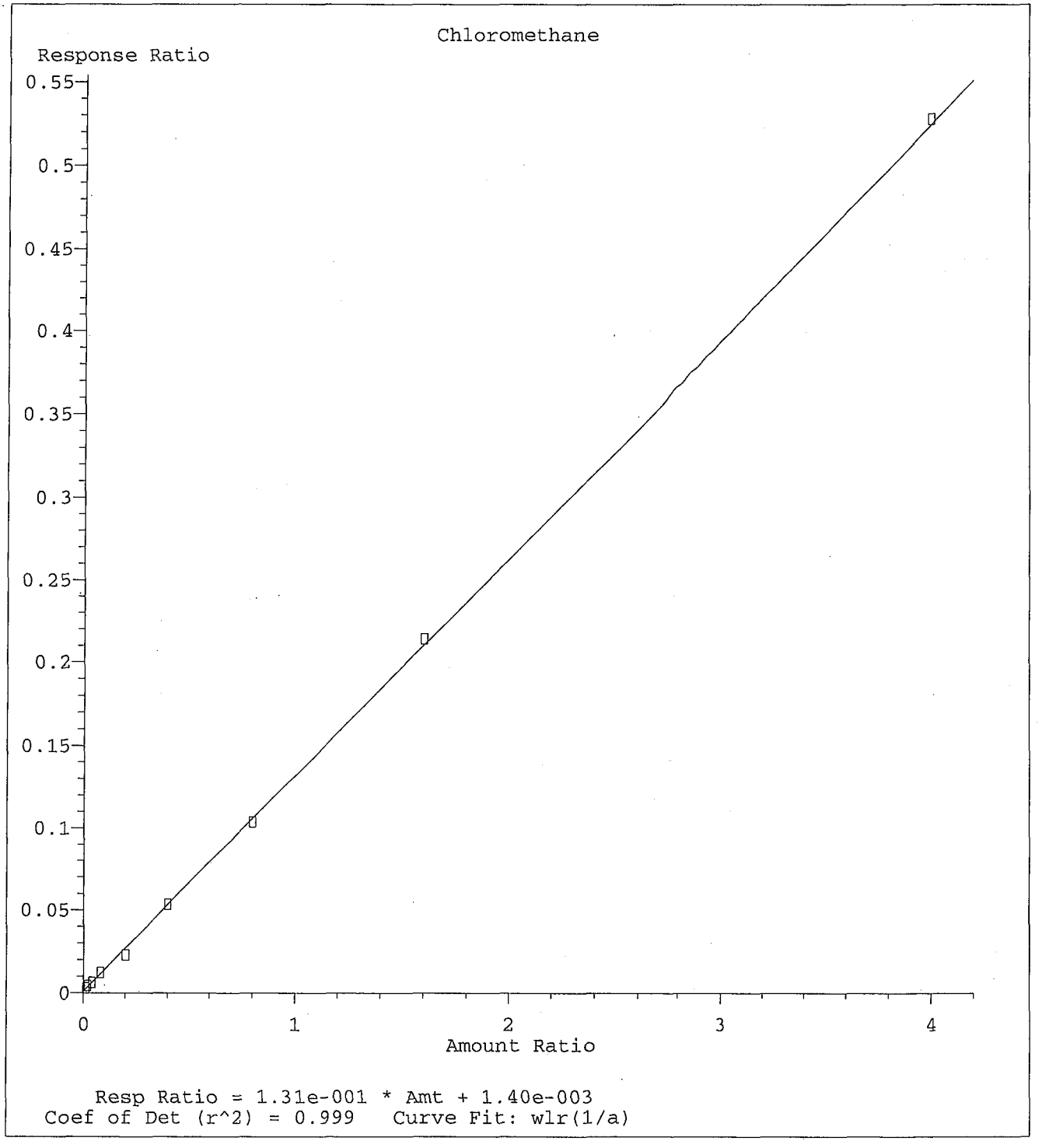
Quant Time: Jul 16 10:56 2021 Quant Results File: L0712NEW.RES

Method : M:\LOKI\DATA\210712\L0712NEW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Jul 16 10:45:51 2021
Response via : Initial Calibration

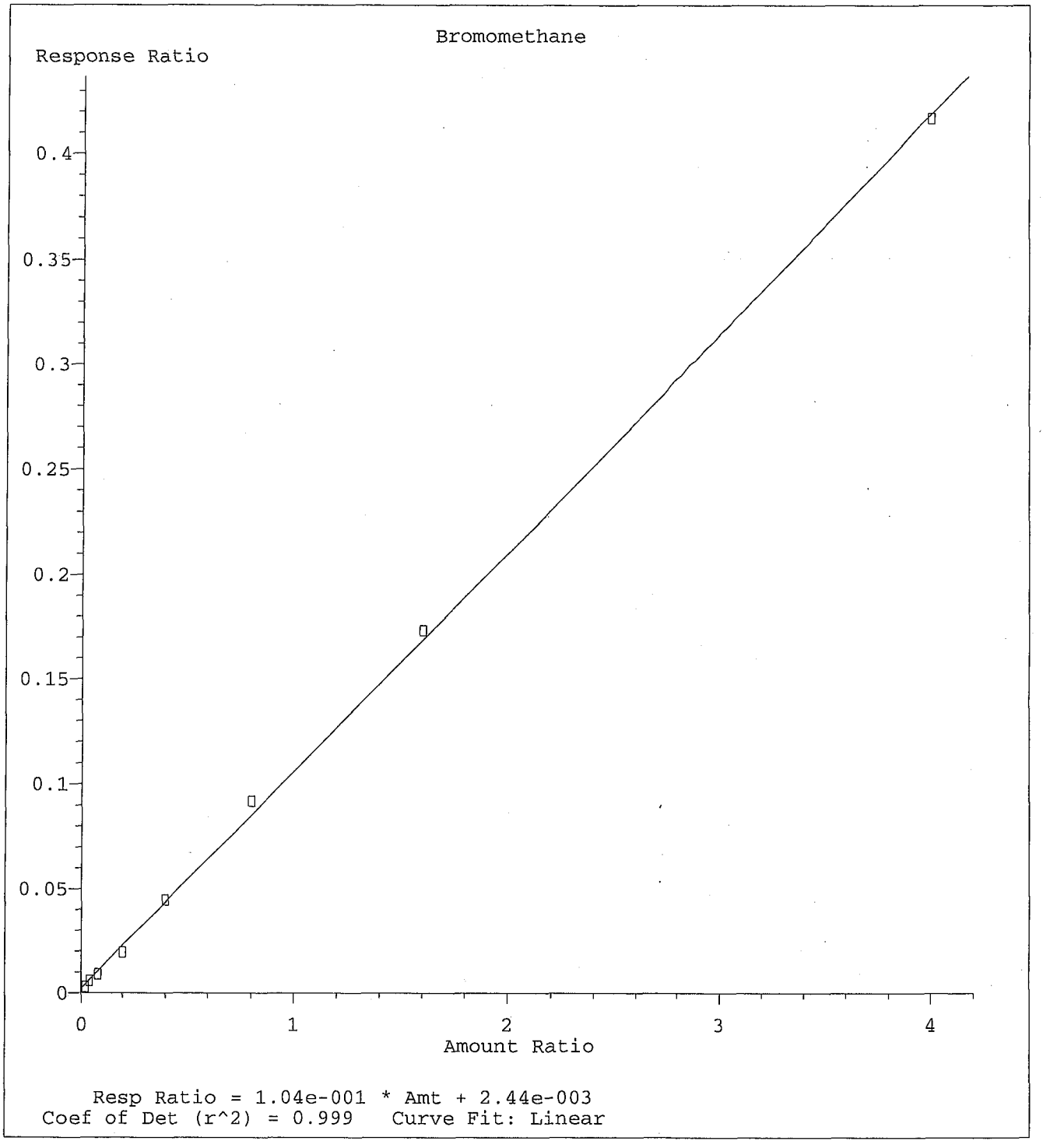




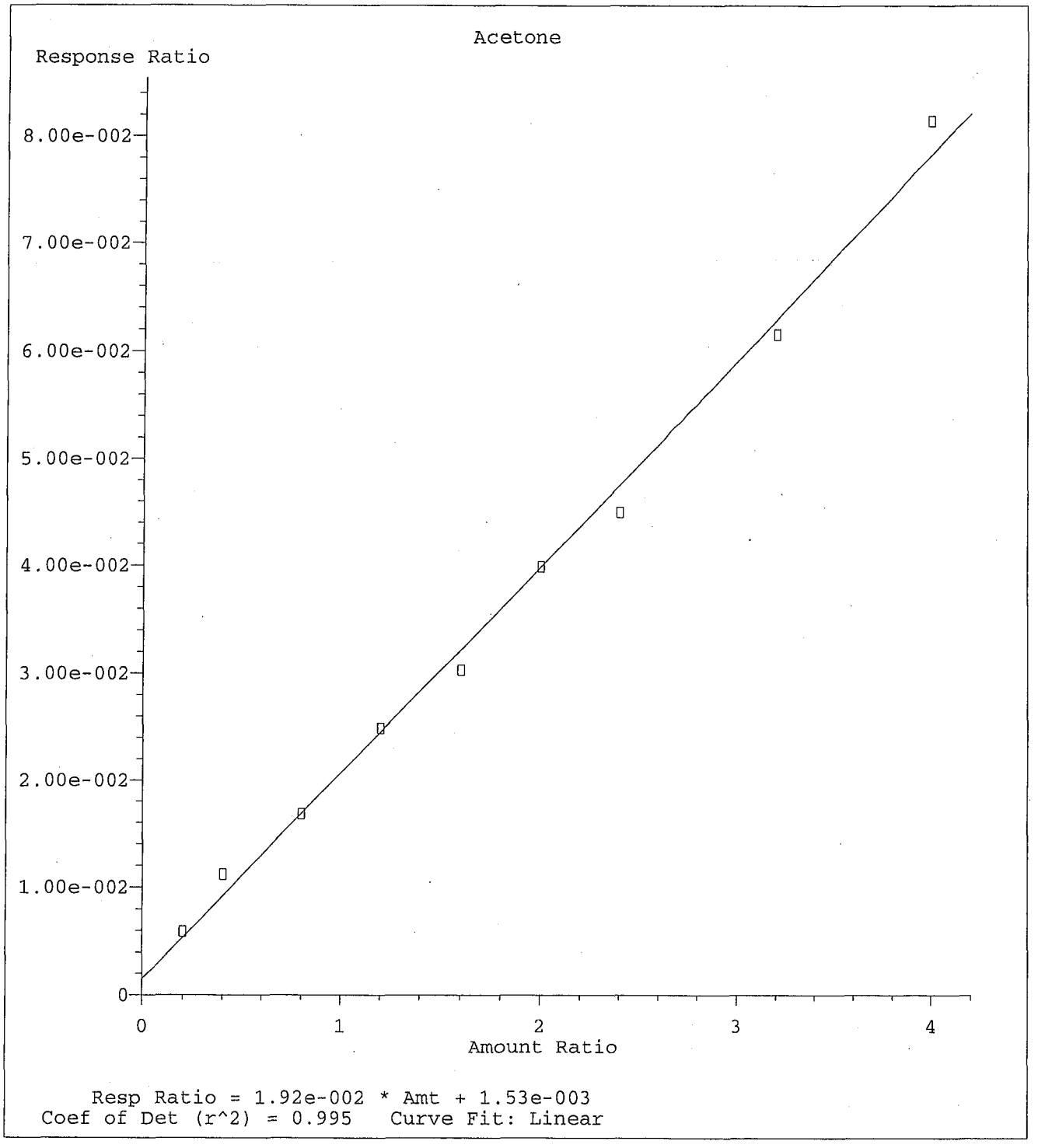
Method Name: M:\LOKI\DATA\210712\L0712NEW.M
Calibration Table Last Updated: Fri Jul 16 10:45:51 2021



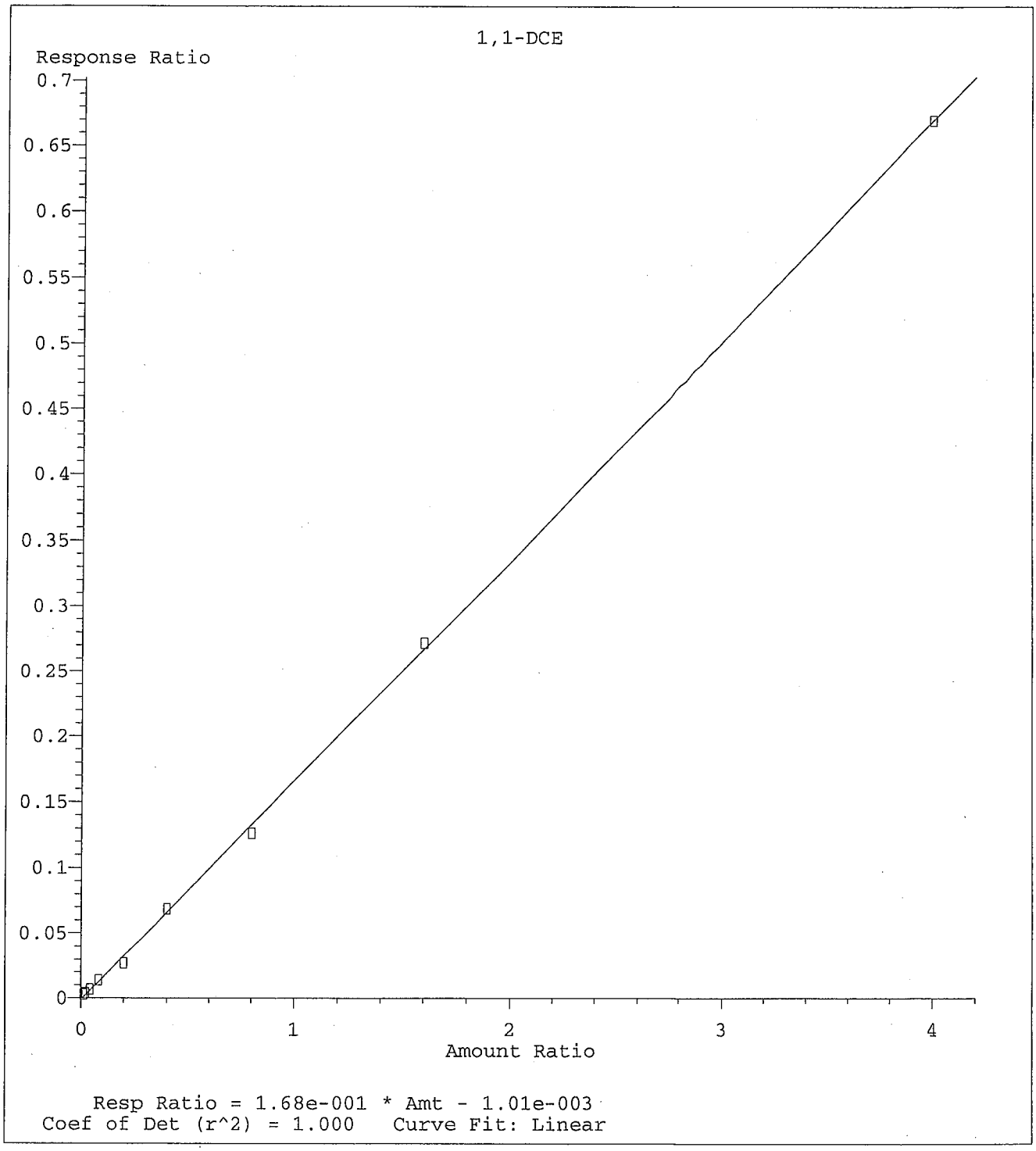
Method Name: M:\LOKI\DATA\210712\L0712NEW.M
Calibration Table Last Updated: Fri Jul 16 10:45:51 2021



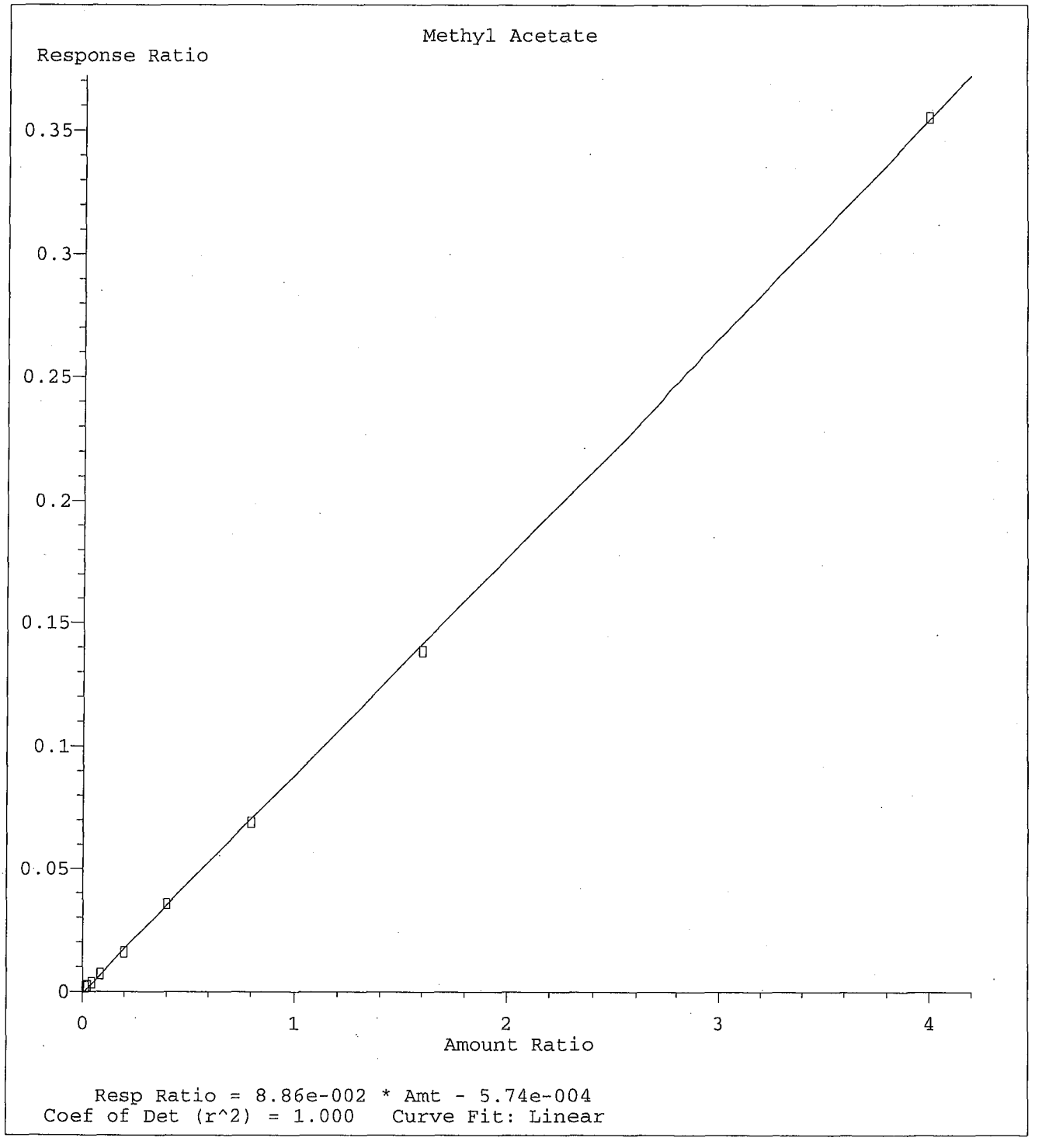
Method Name: M:\LOKI\DATA\210712\L0712NEW.M
Calibration Table Last Updated: Fri Jul 16 10:45:51 2021



Method Name: M:\LOKI\DATA\210712\L0712NEW.M
Calibration Table Last Updated: Fri Jul 16 10:45:51 2021



Method Name: M:\LOKI\DATA\210712\L0712NEW.M
Calibration Table Last Updated: Fri Jul 16 10:45:51 2021



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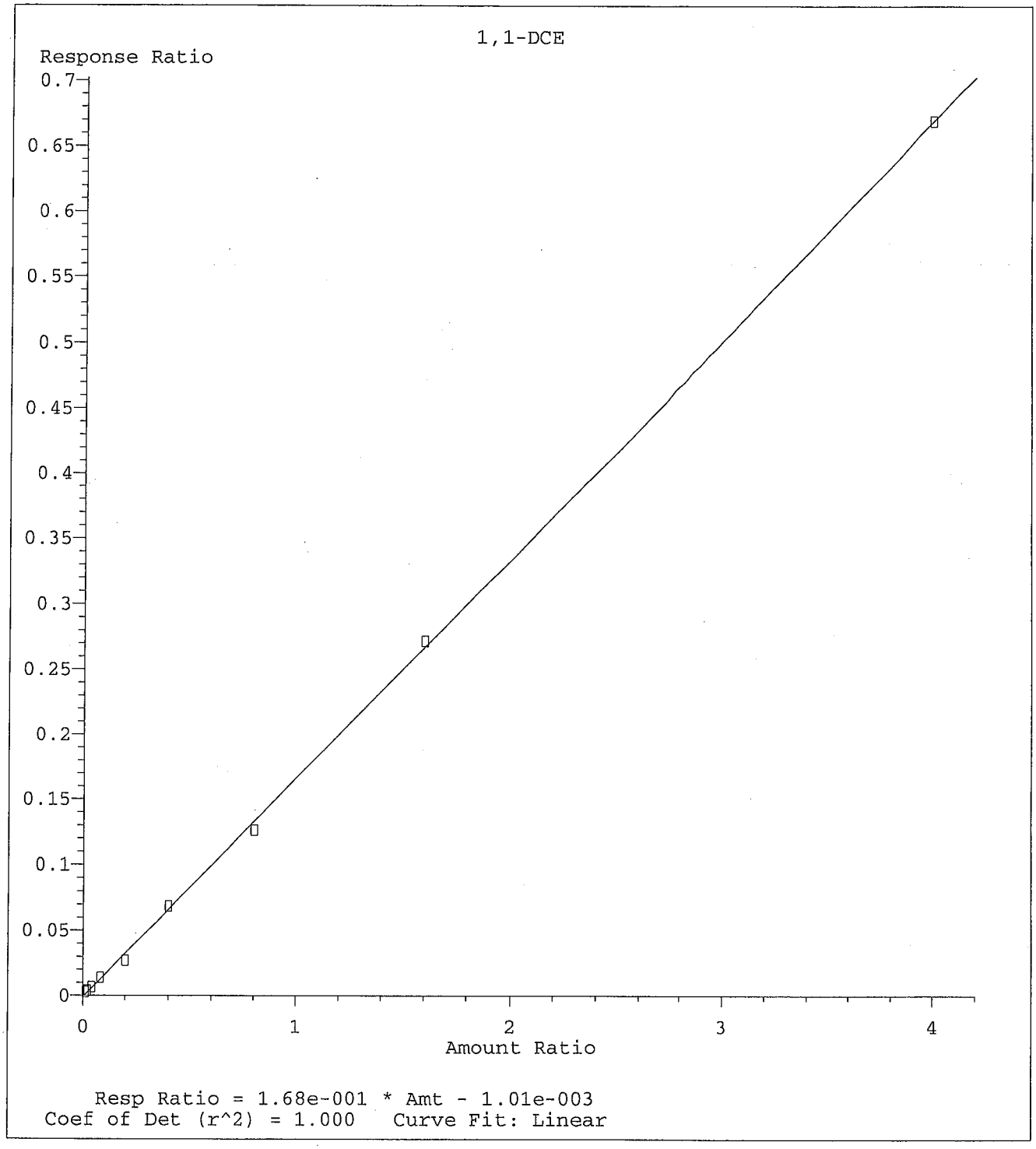
Calibration Table Last Updated: Fri Jul 16 10:45:51 2021



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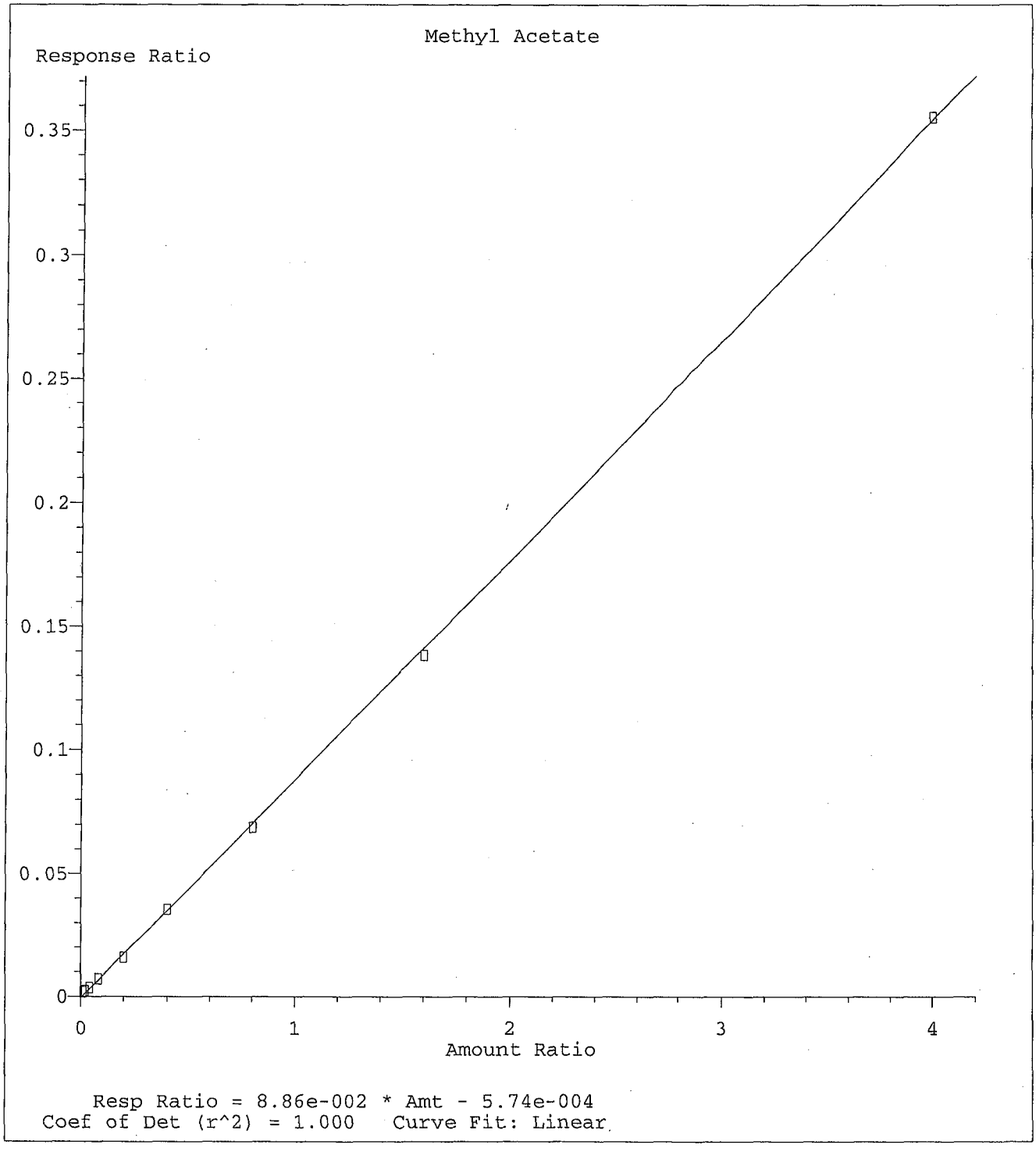

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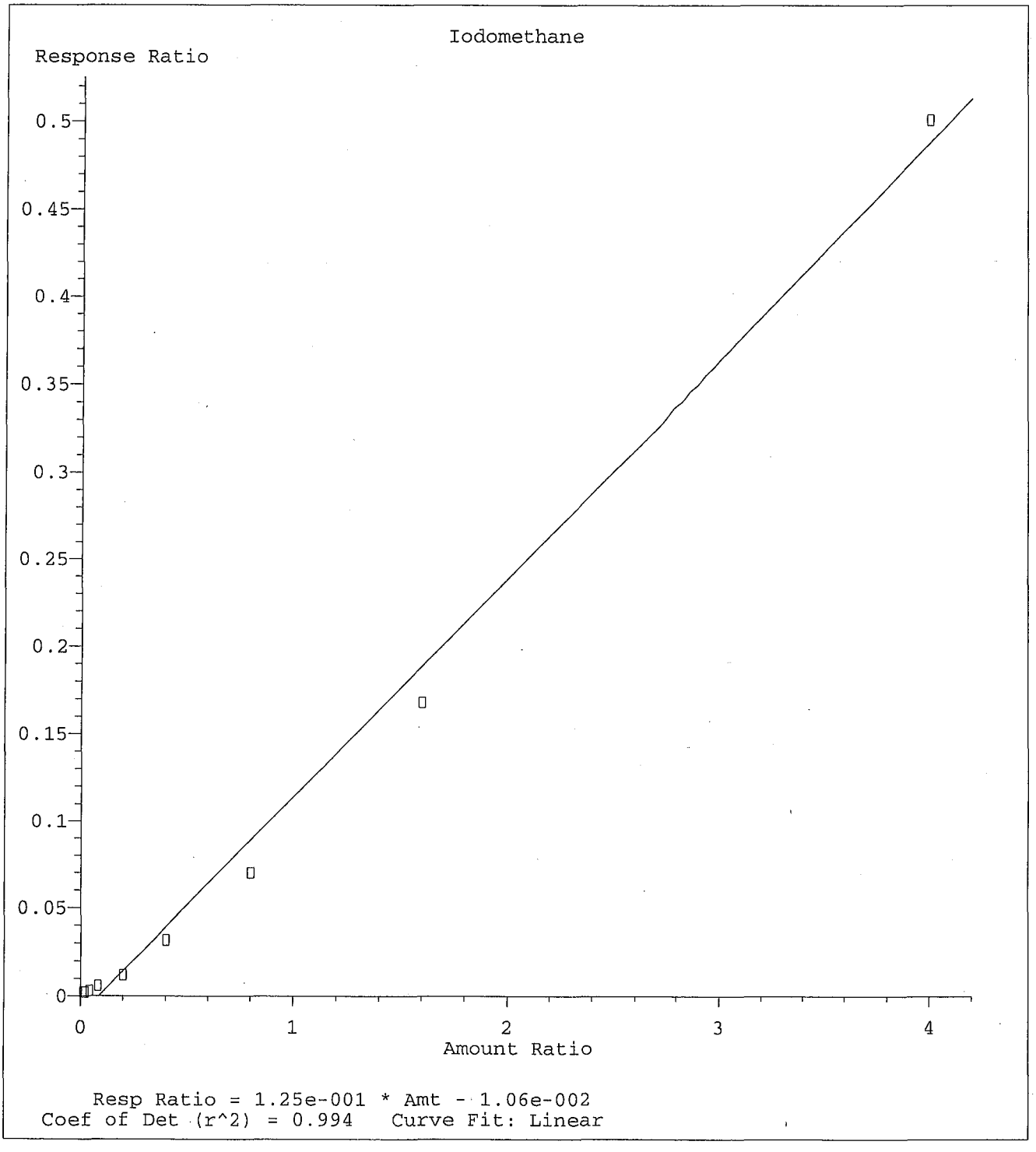
Calibration Table Last Updated: Fri Jul 16 10:45:51 2021



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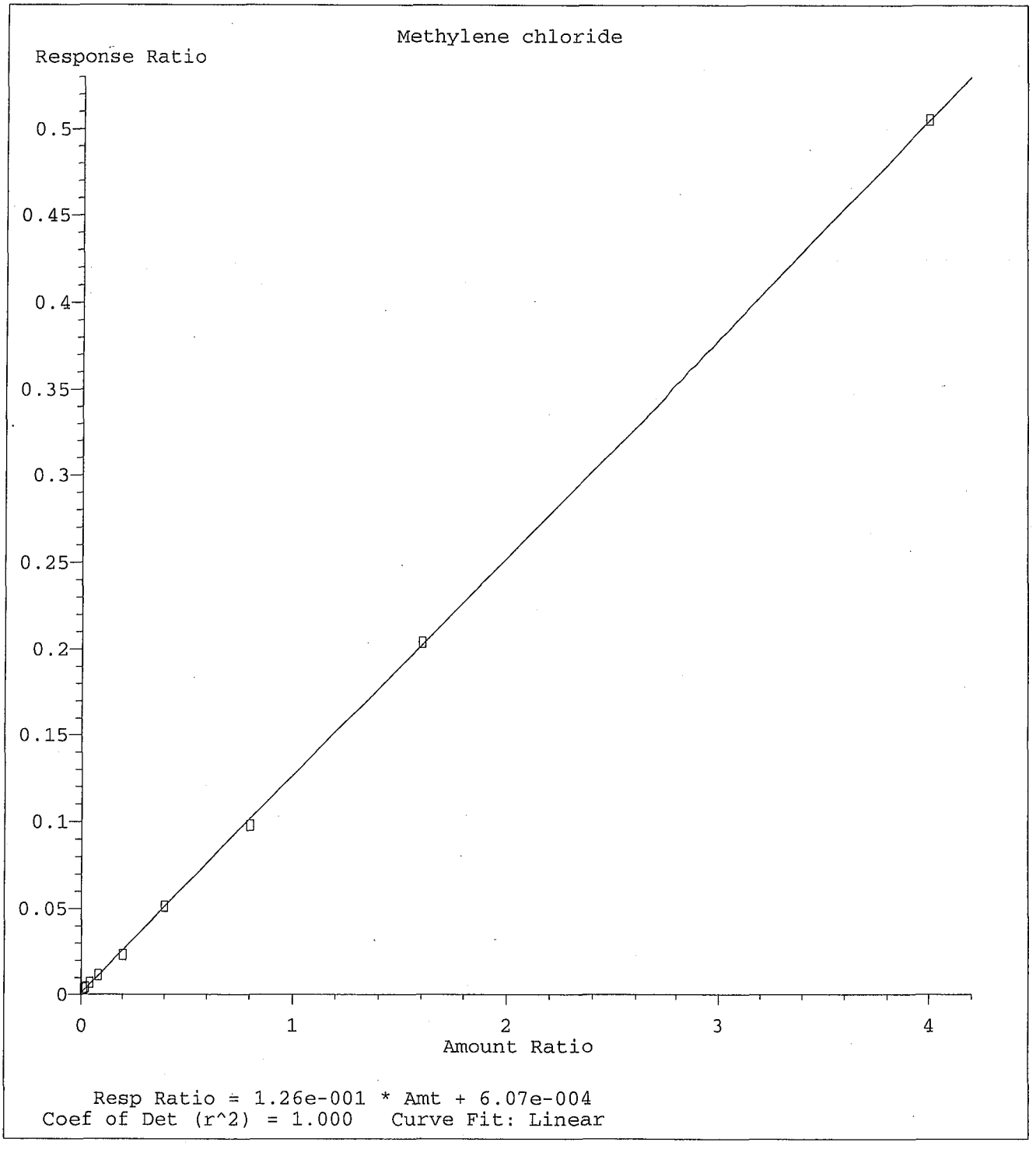

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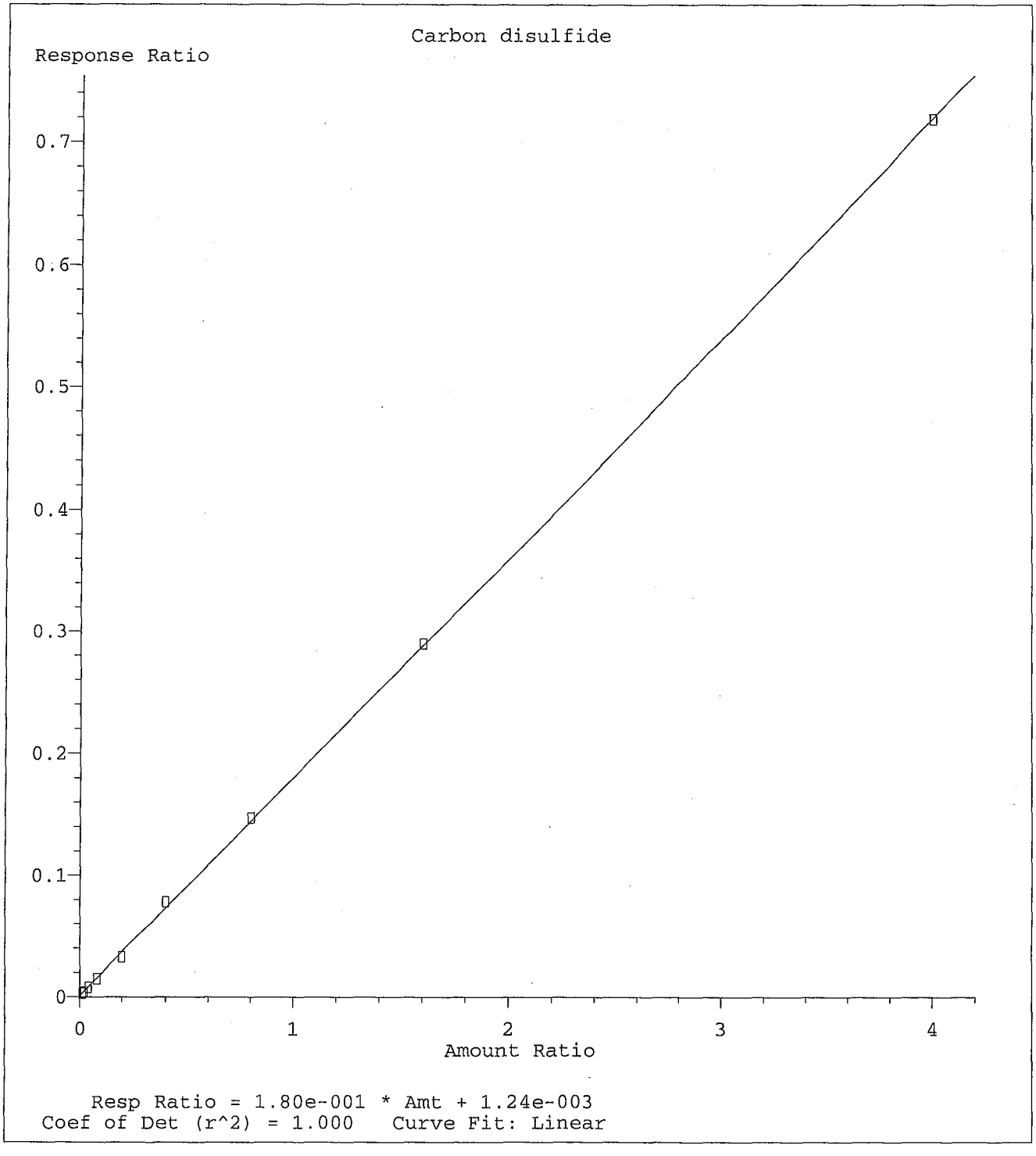

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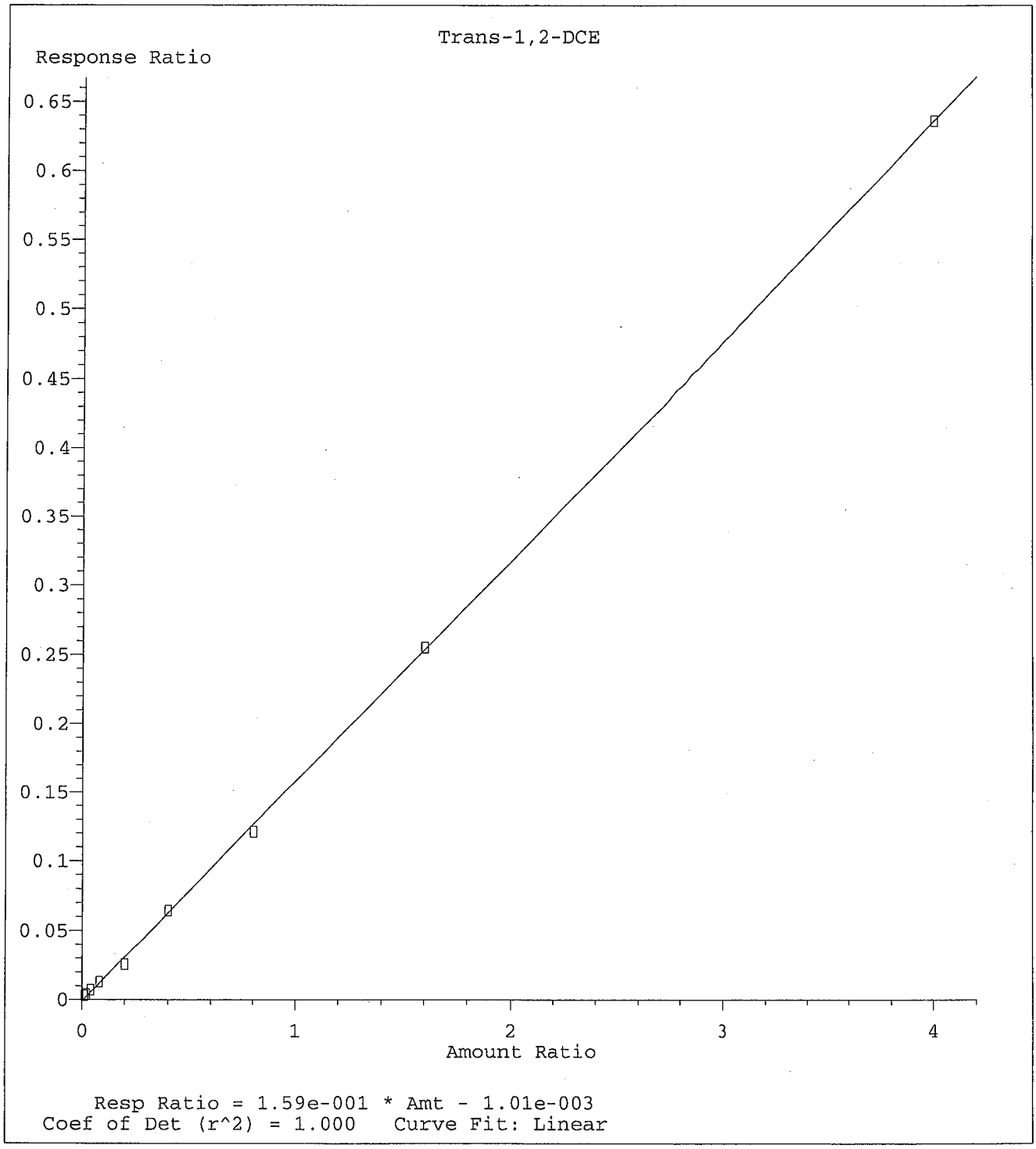

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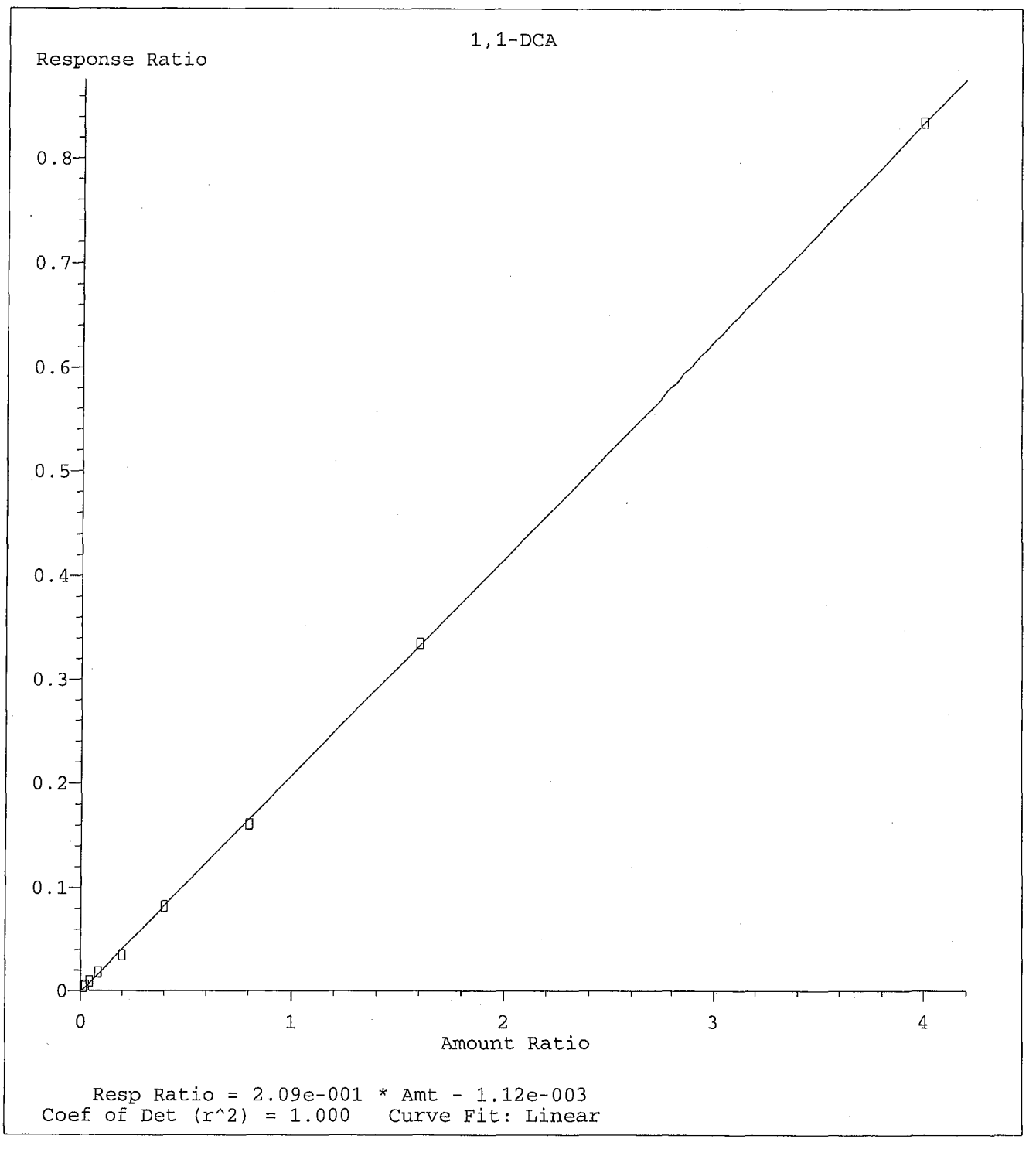

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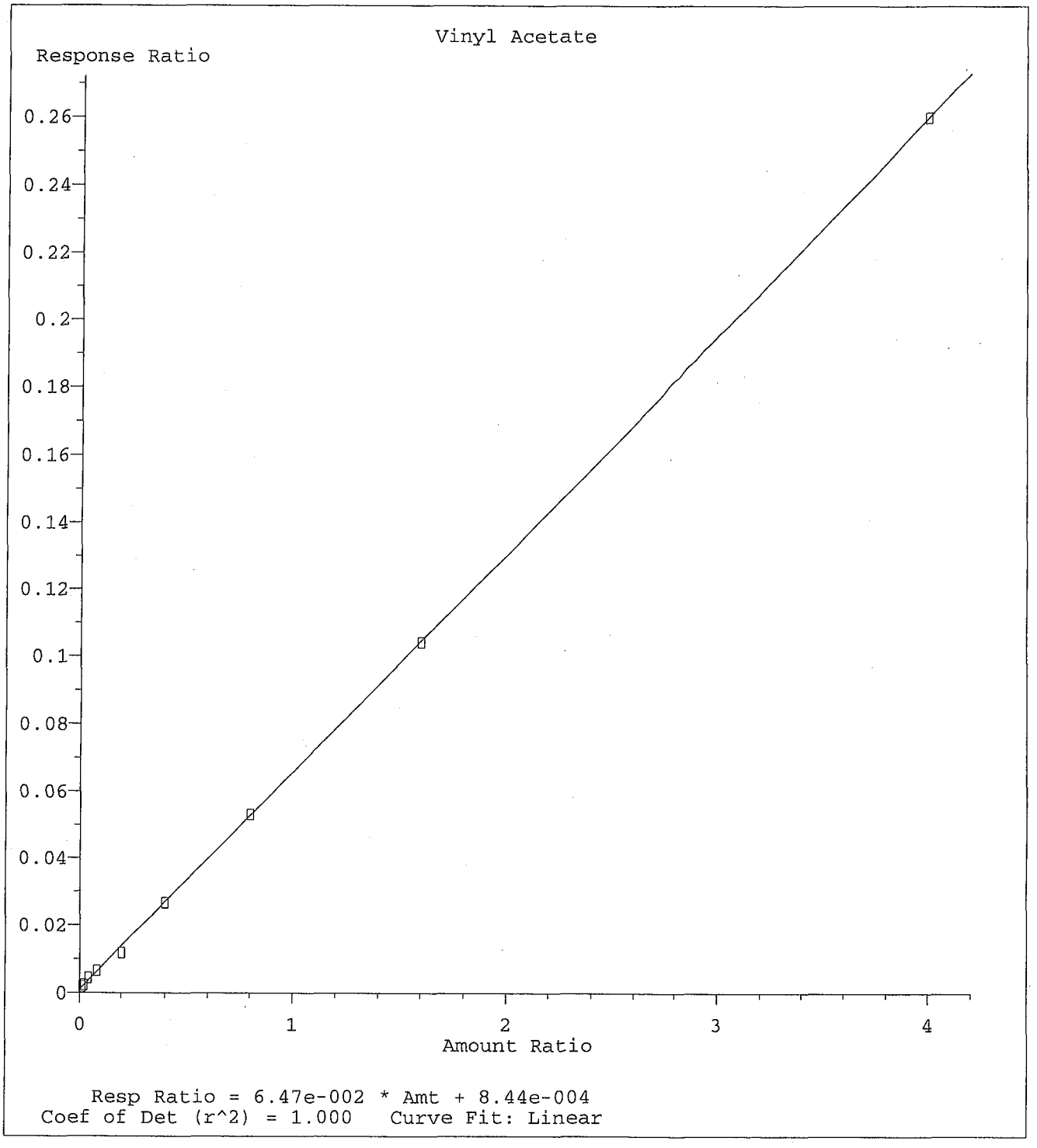

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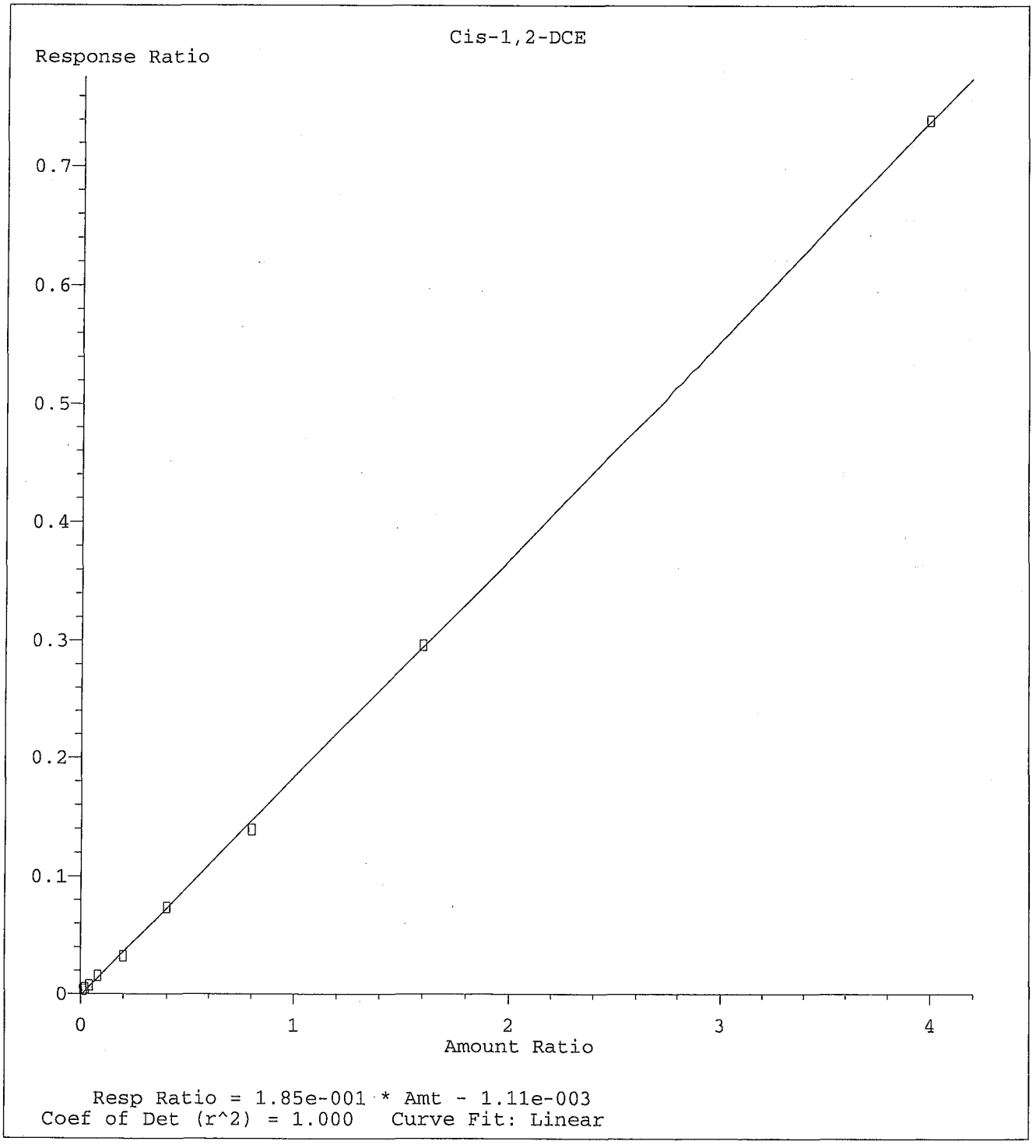

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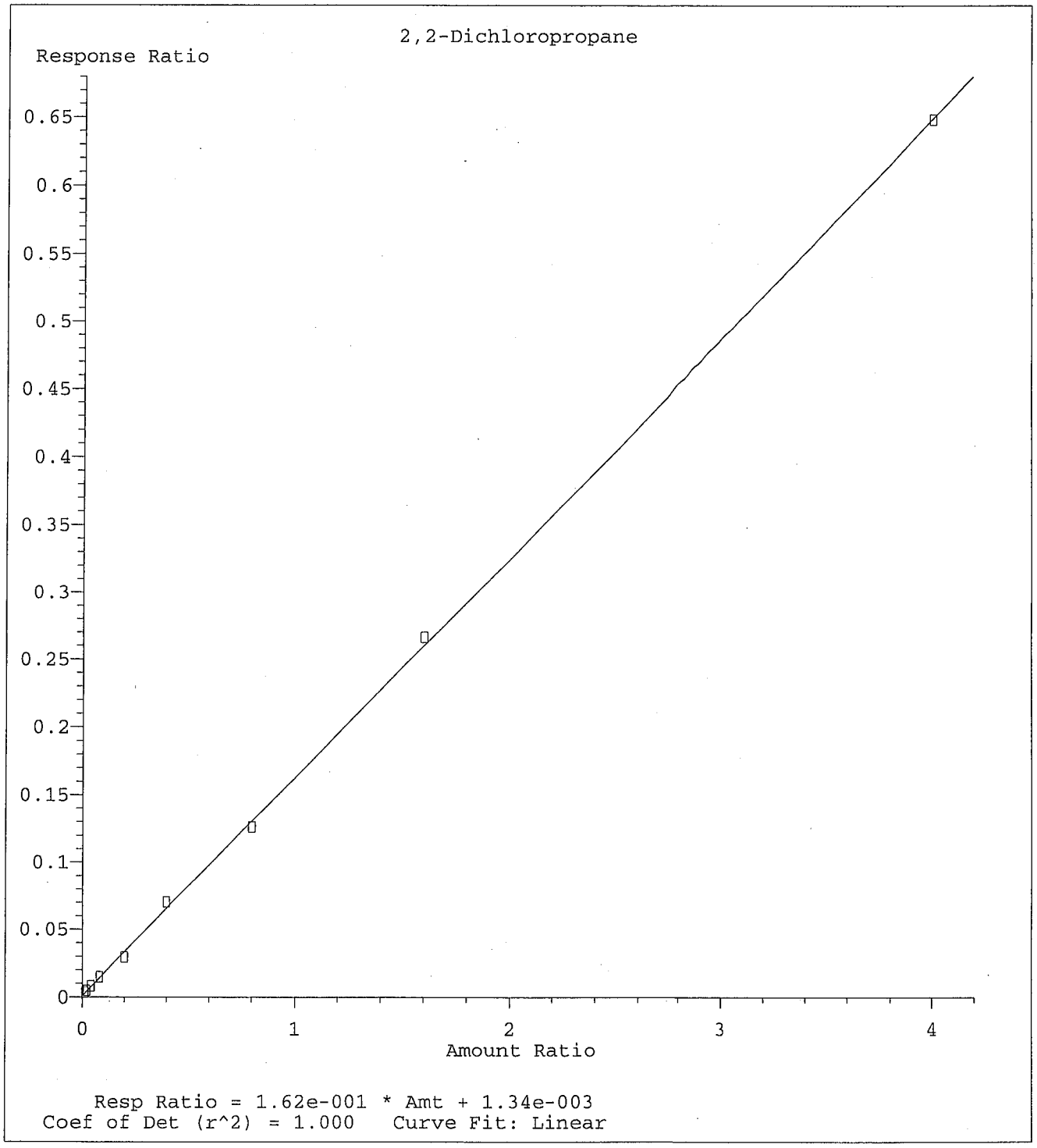

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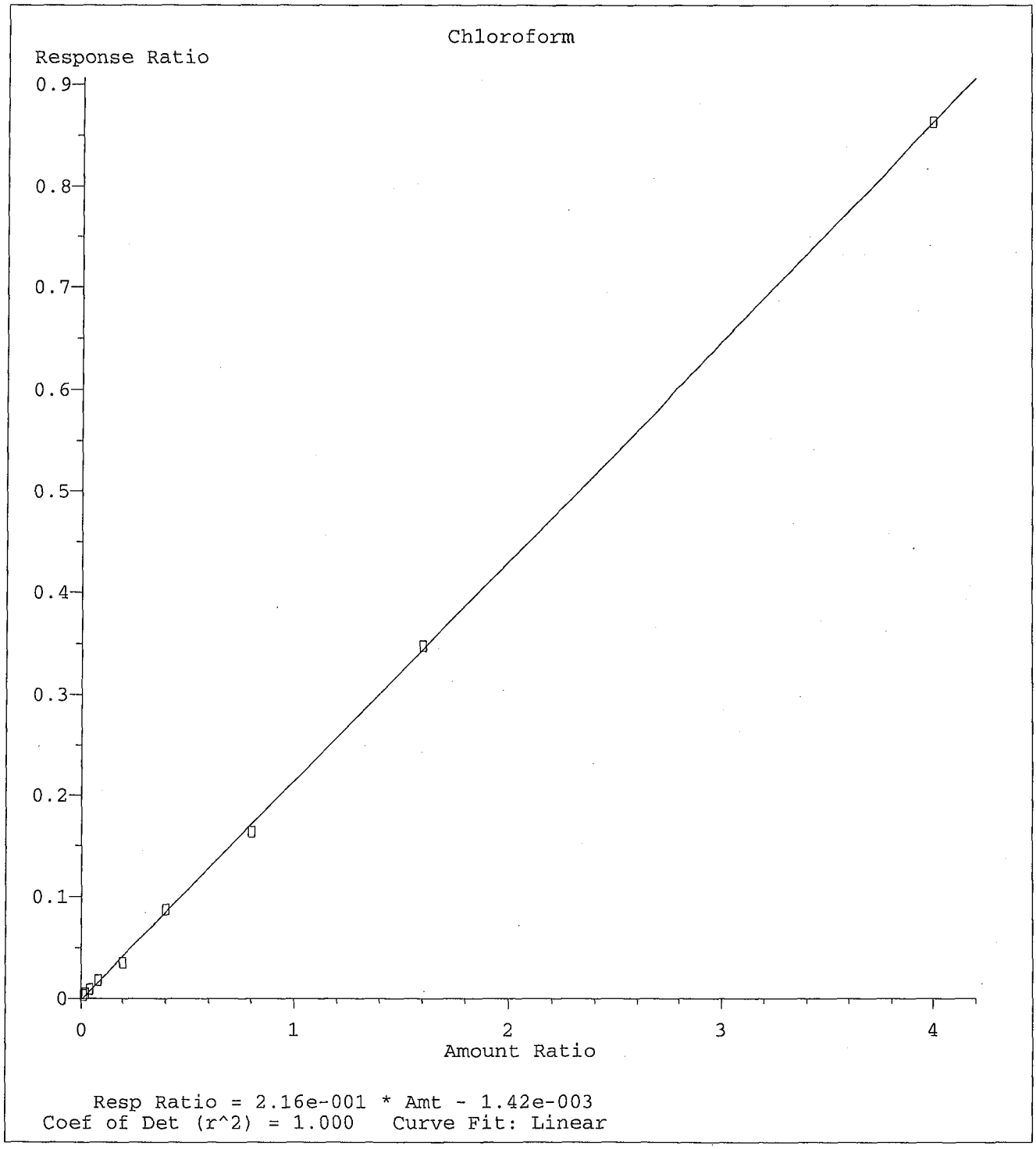

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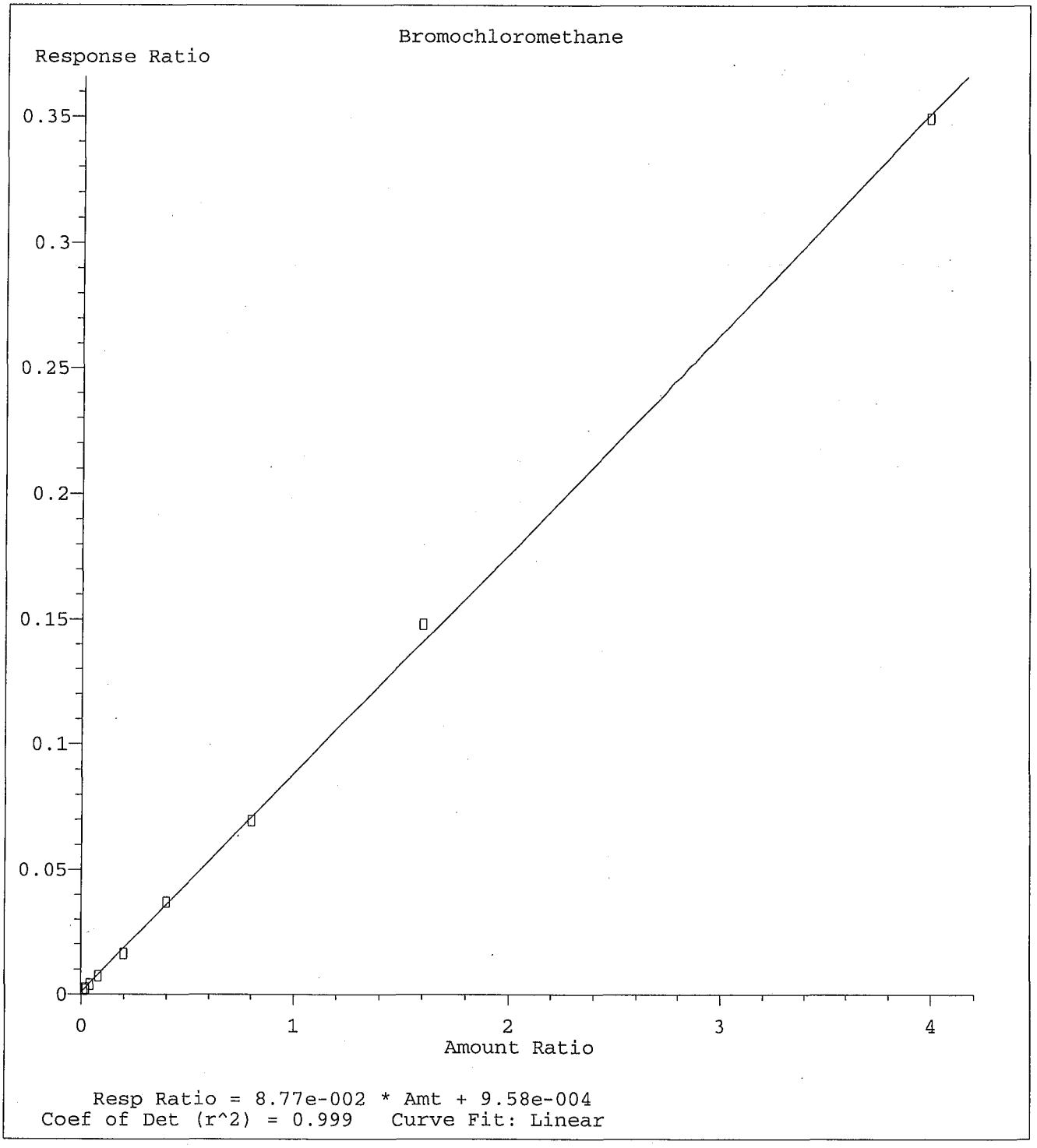

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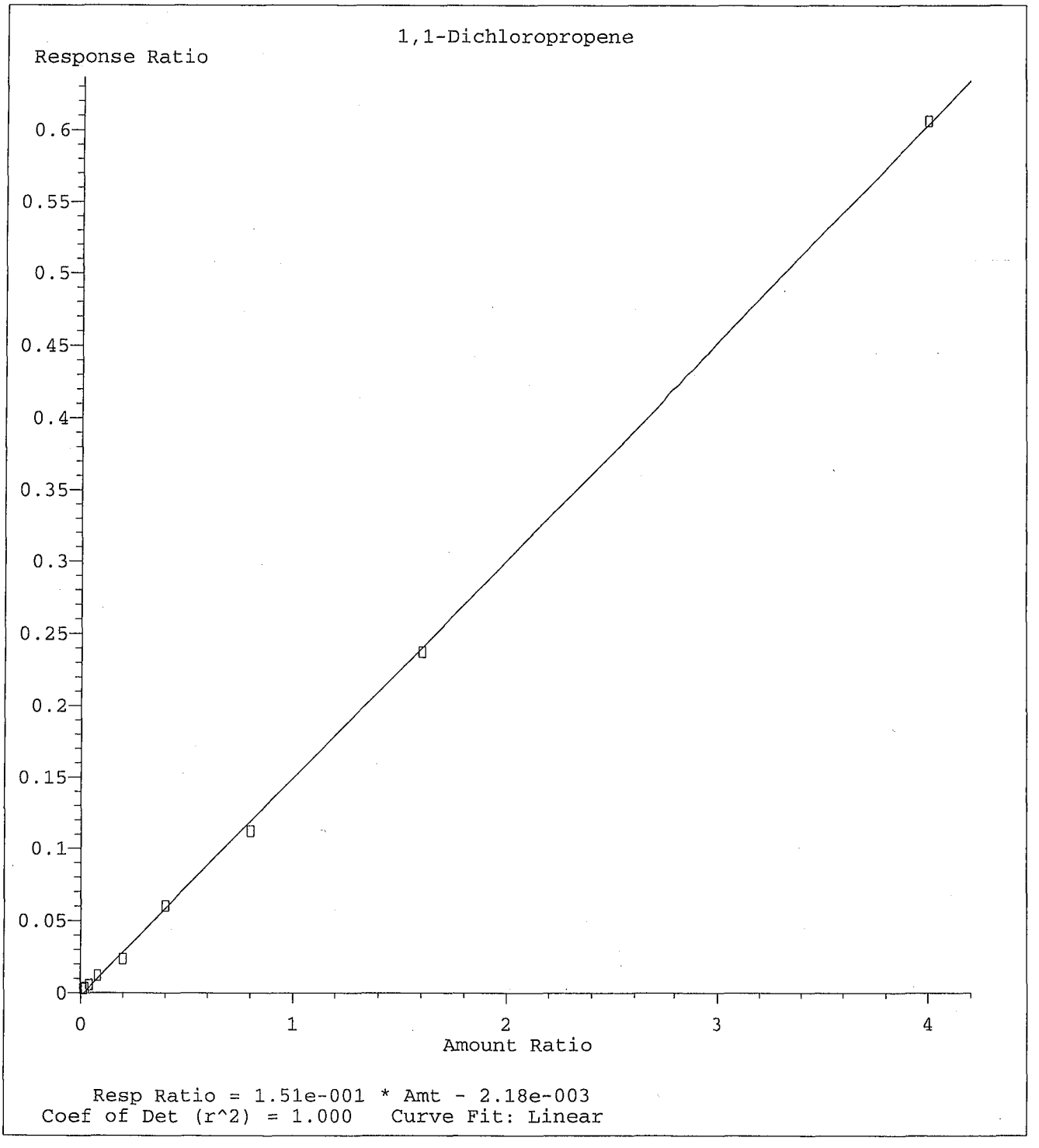

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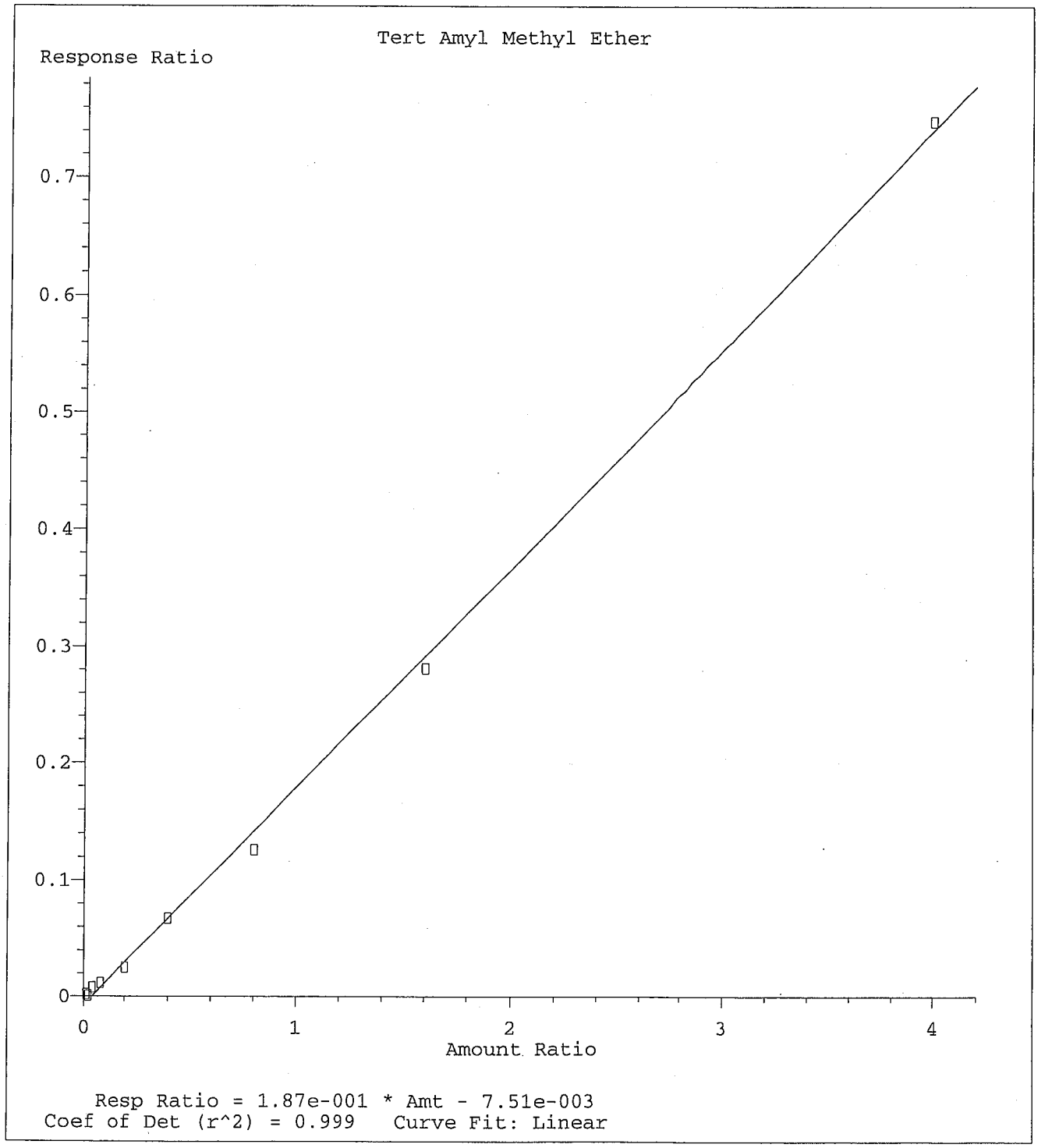

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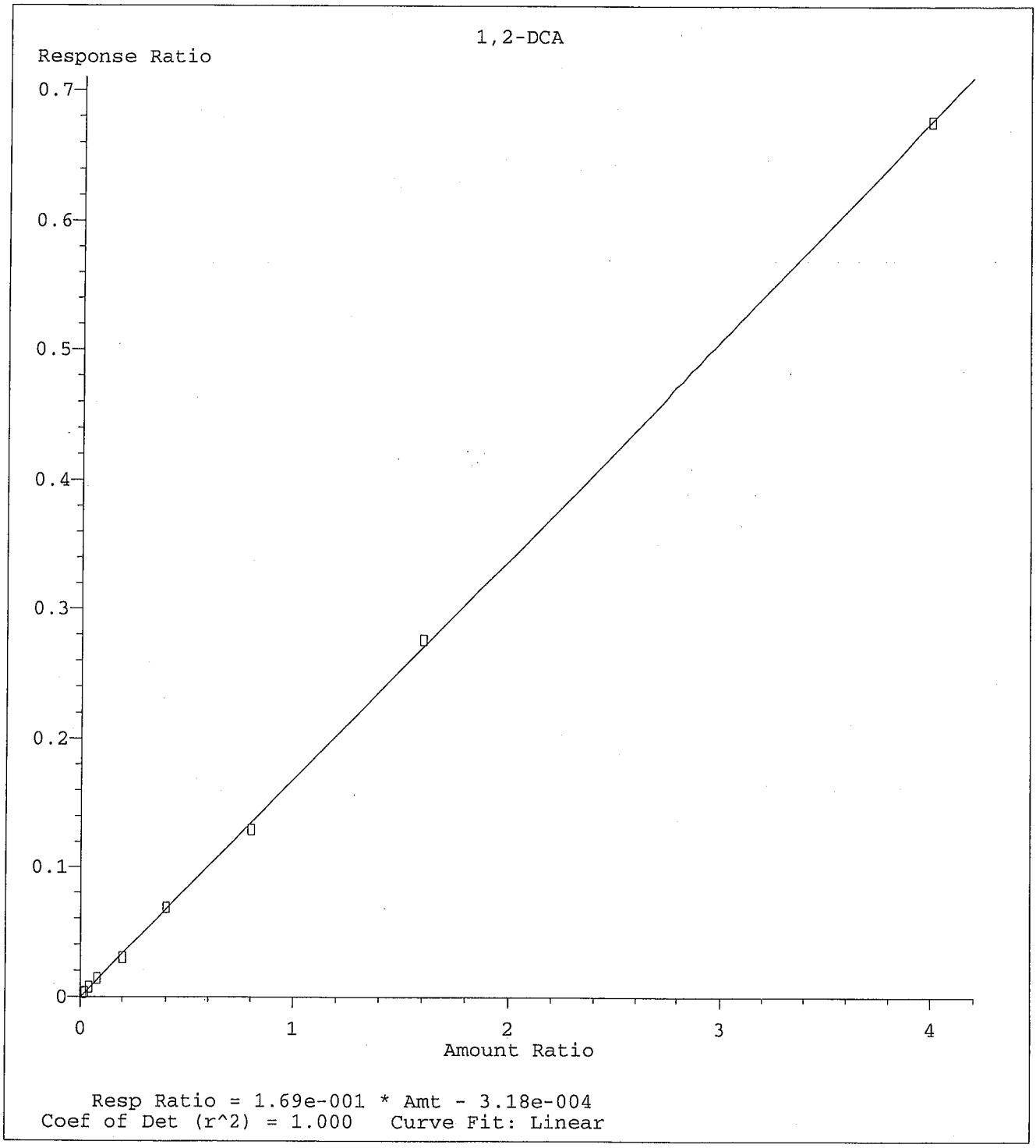

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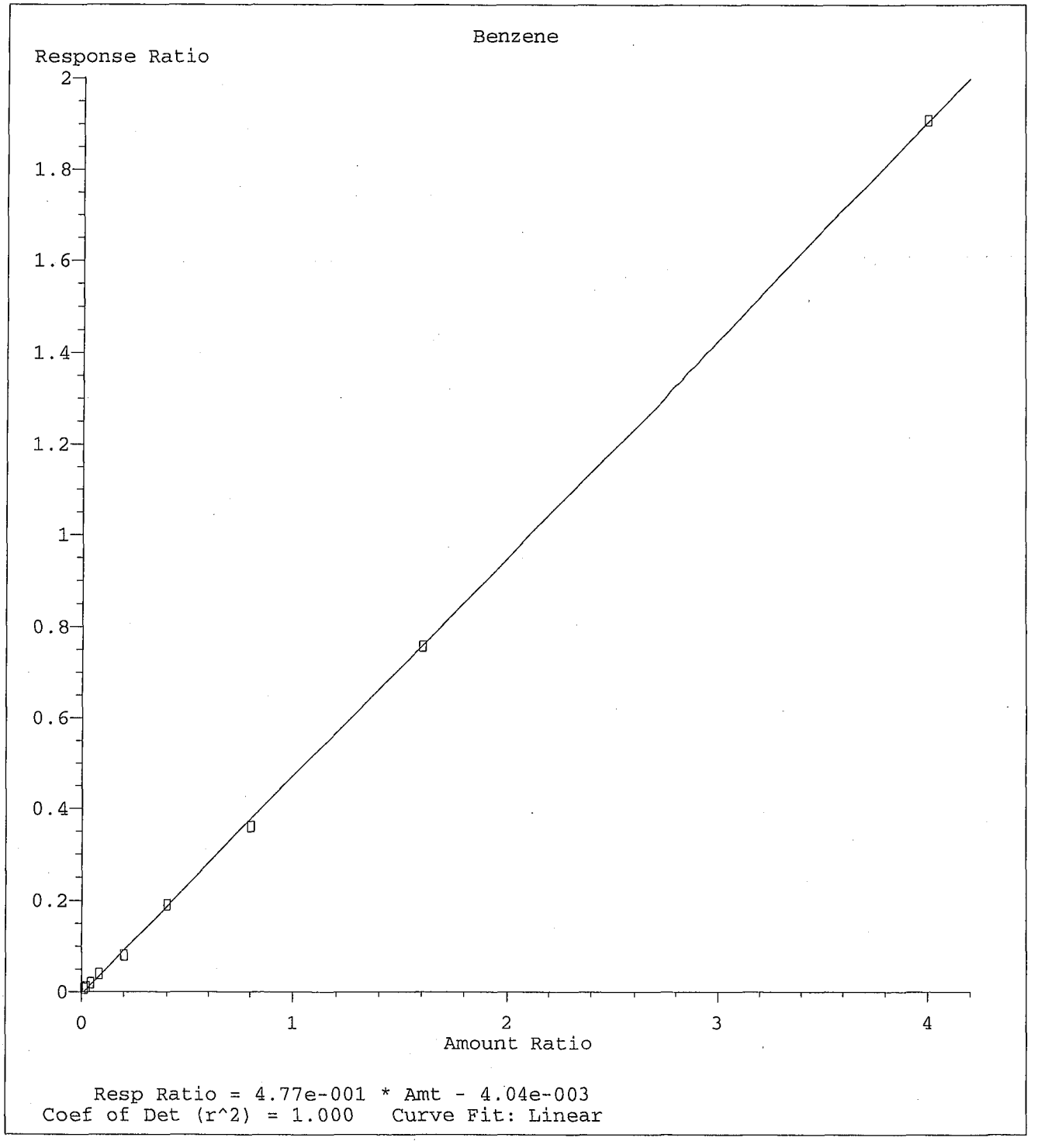

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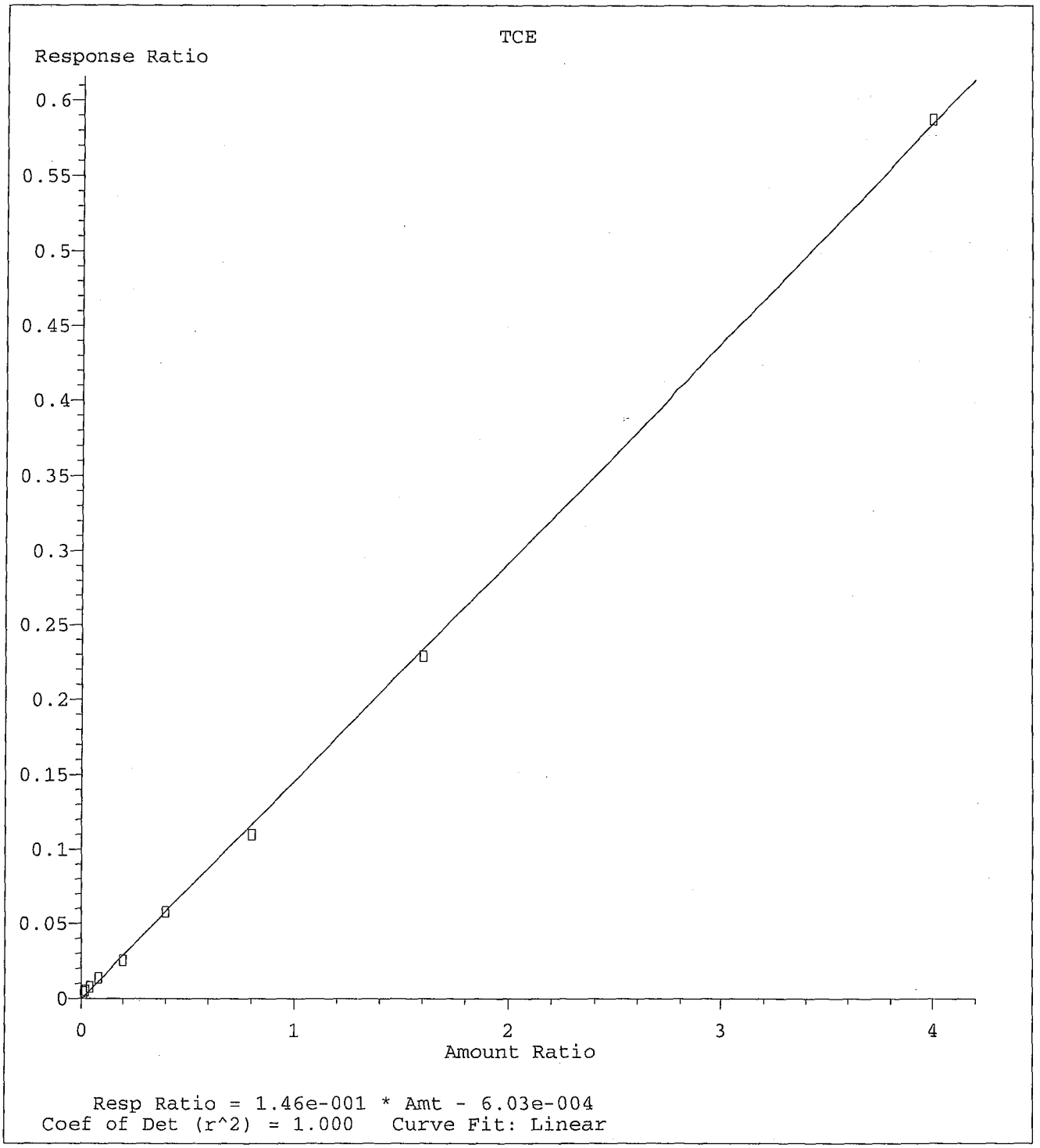

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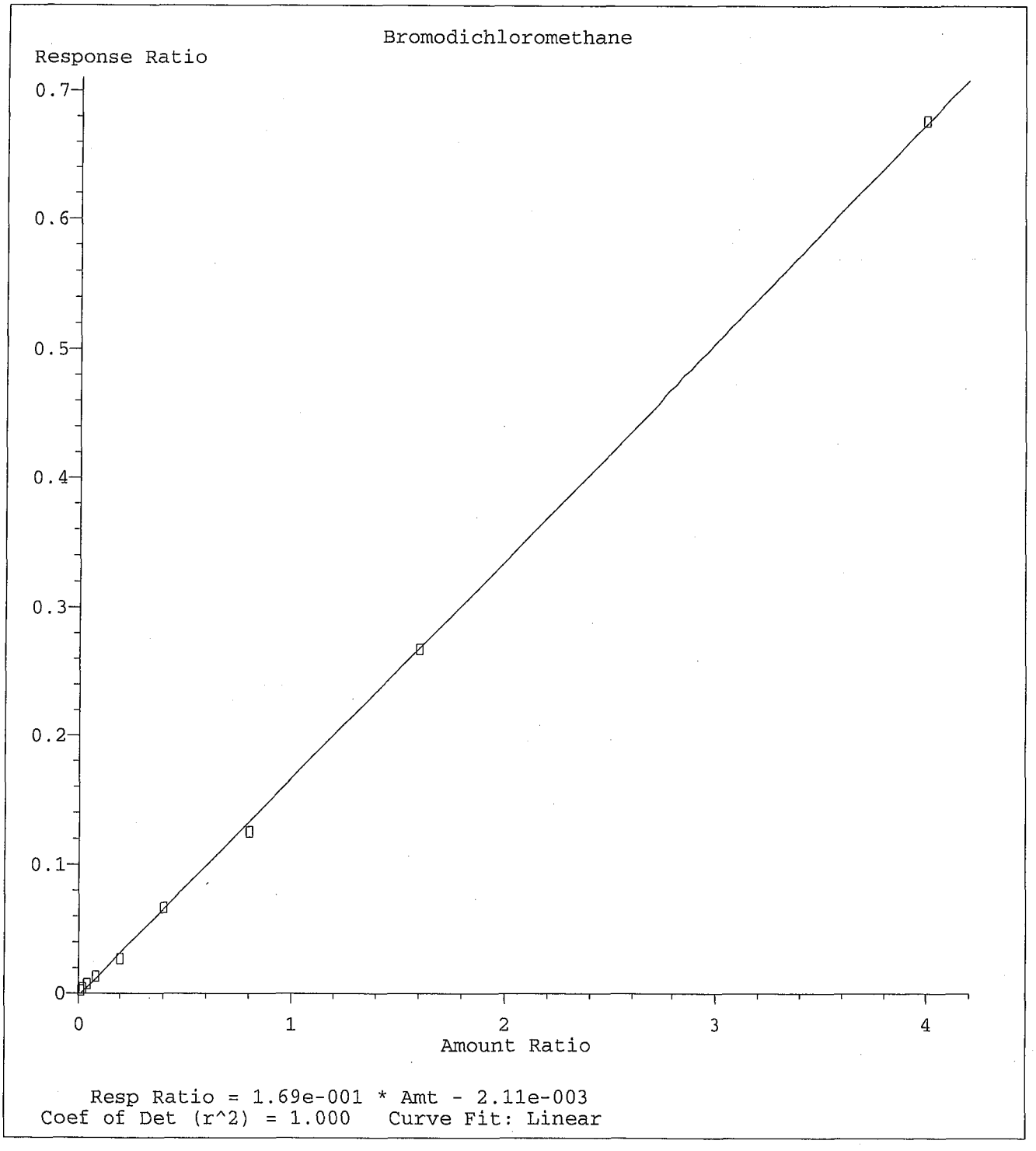

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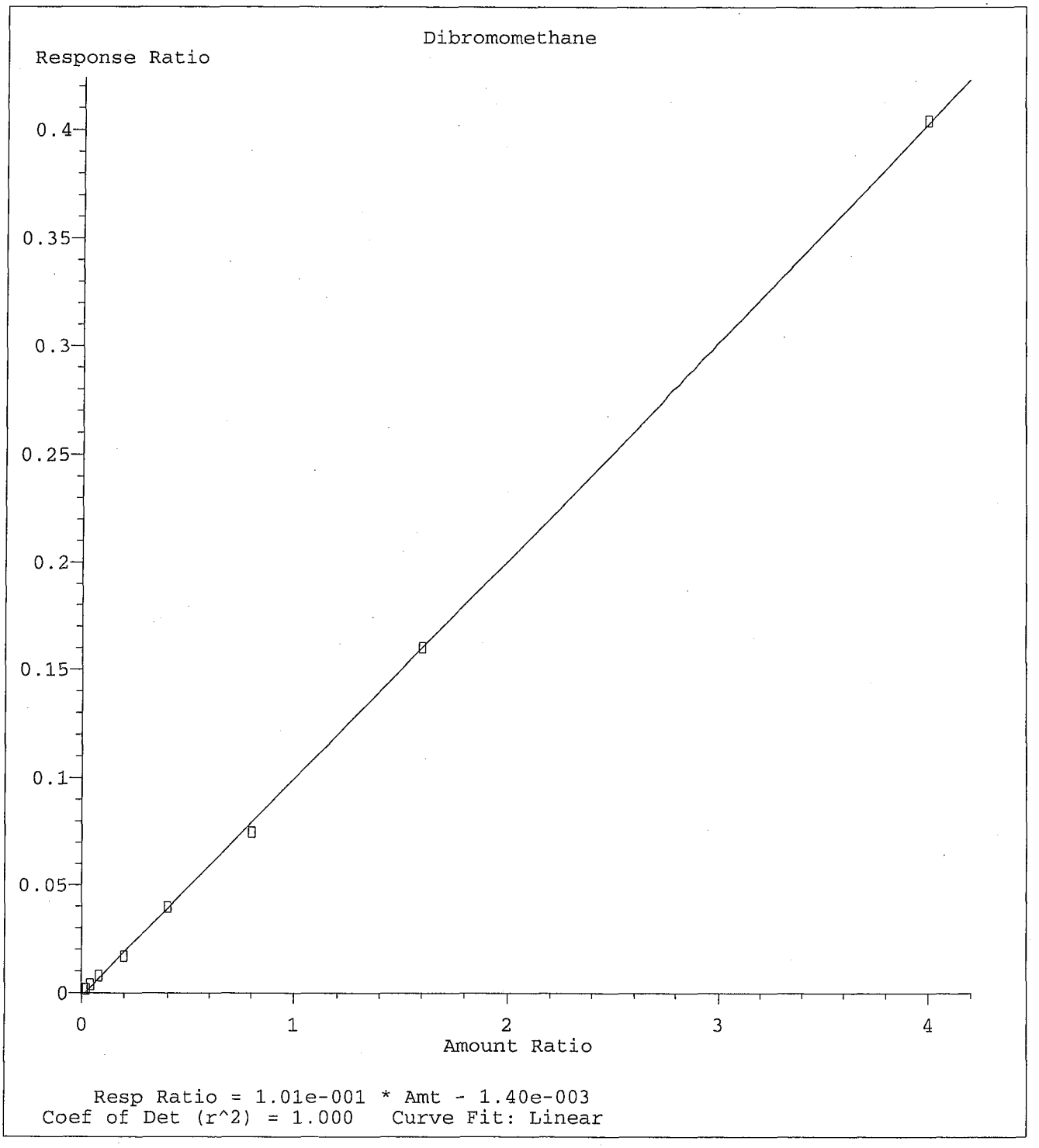

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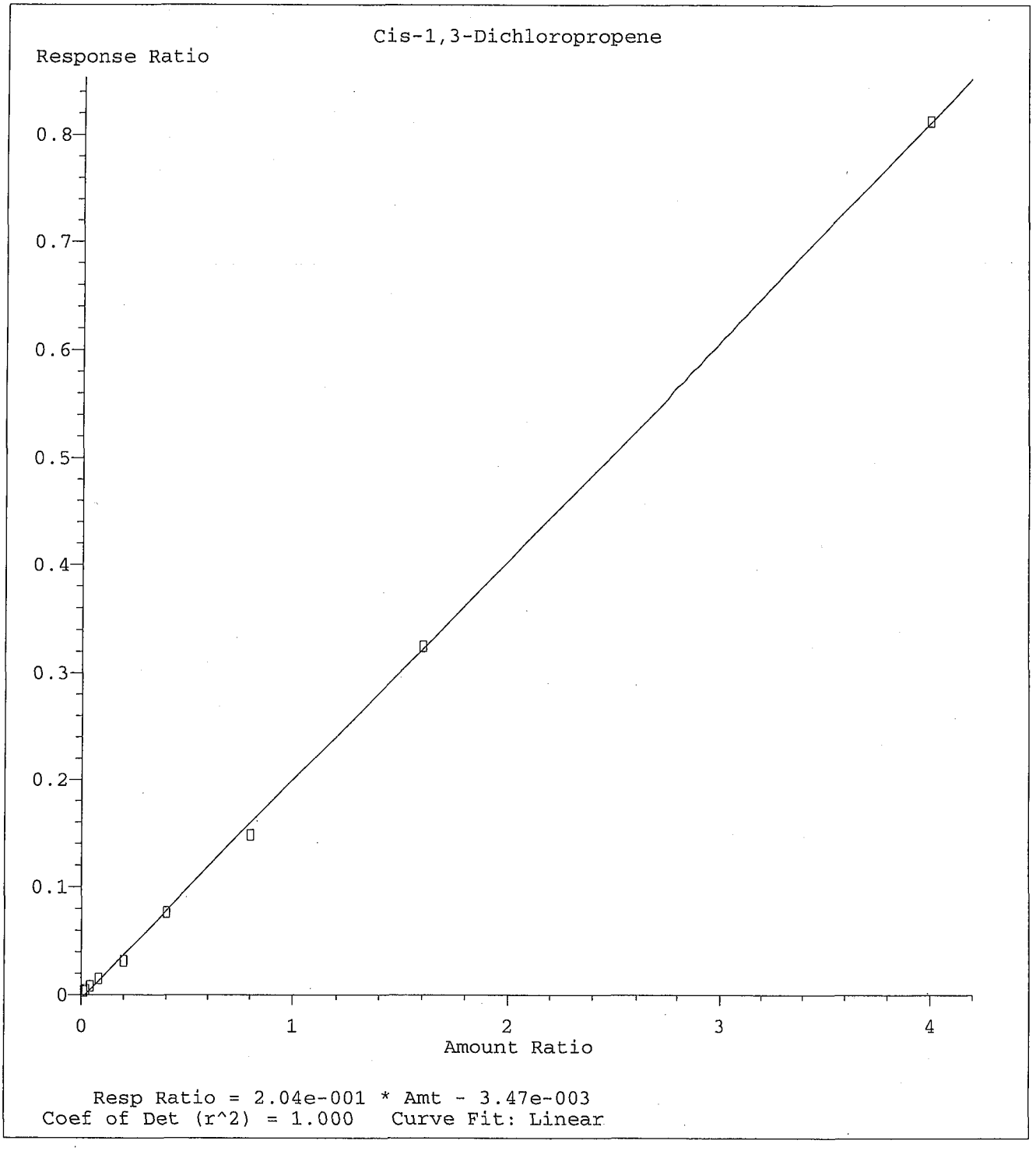

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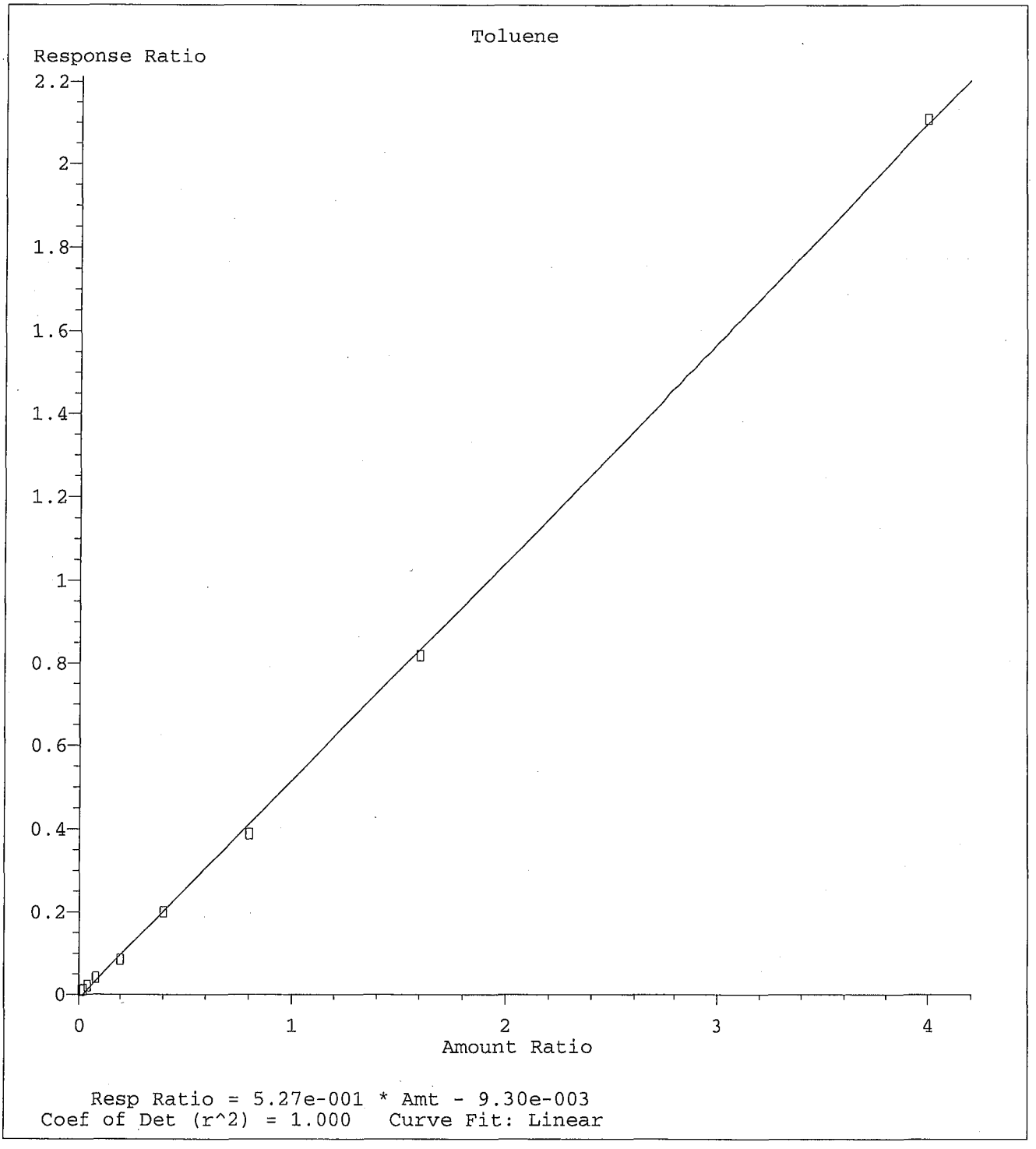

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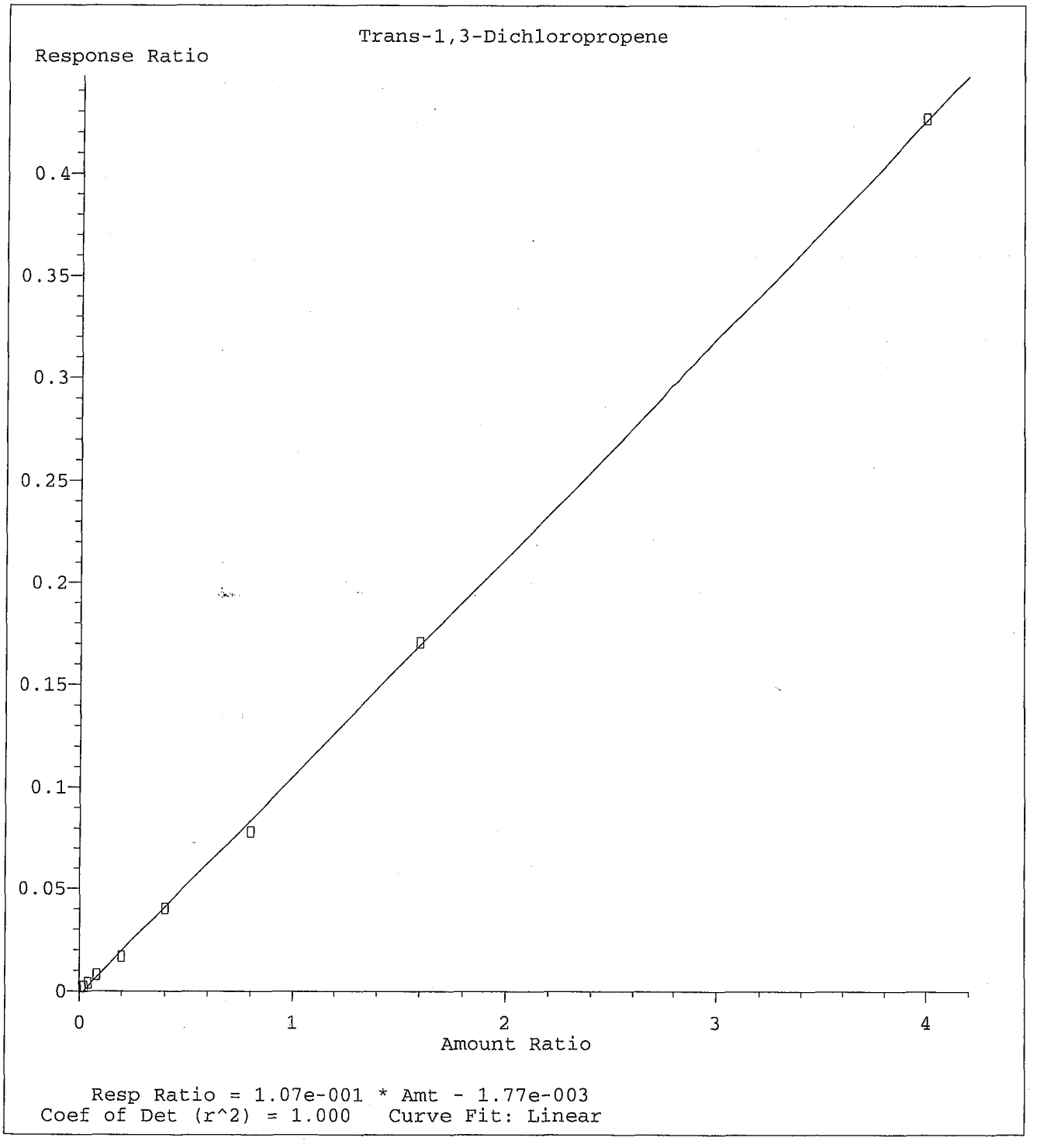

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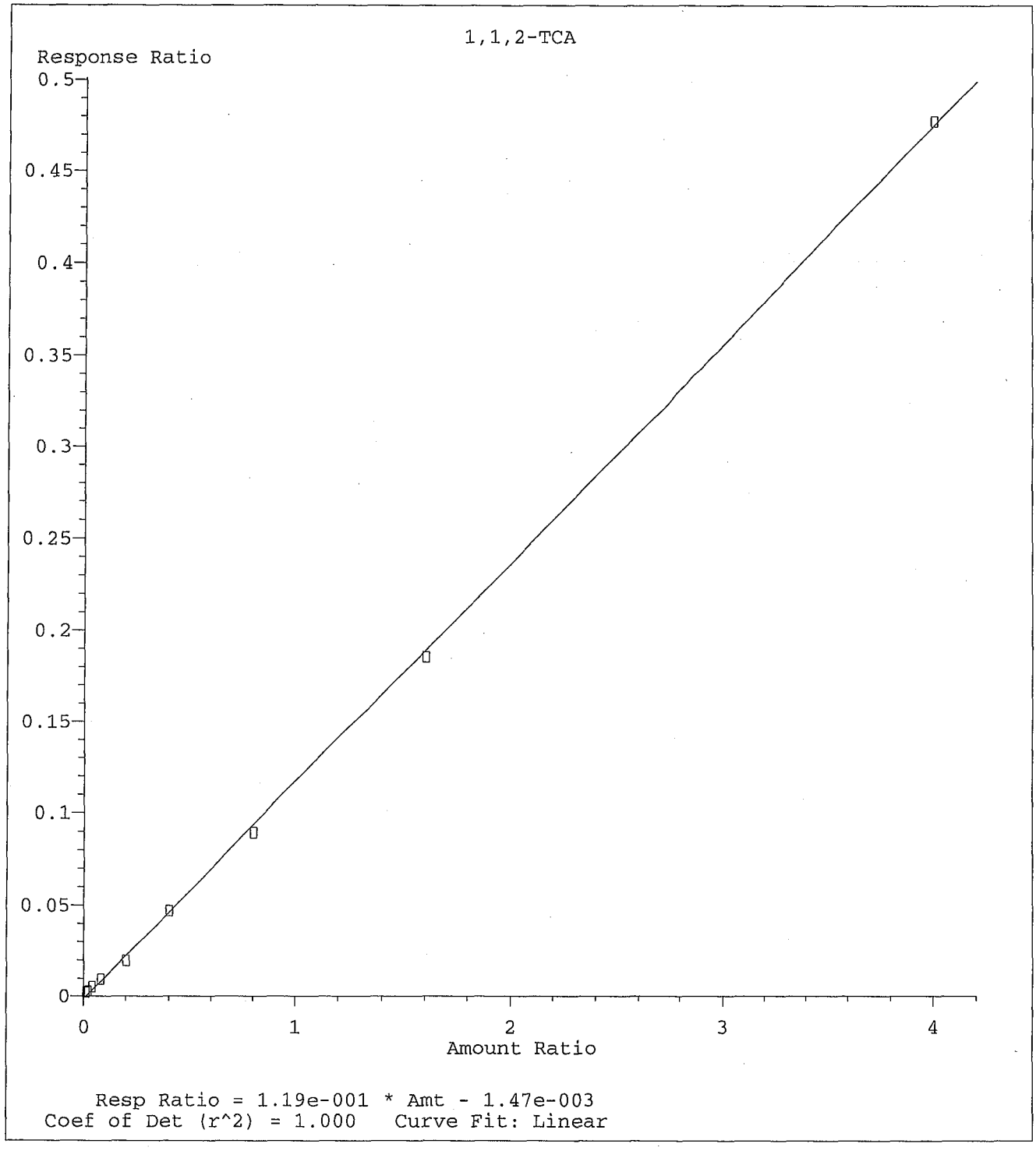

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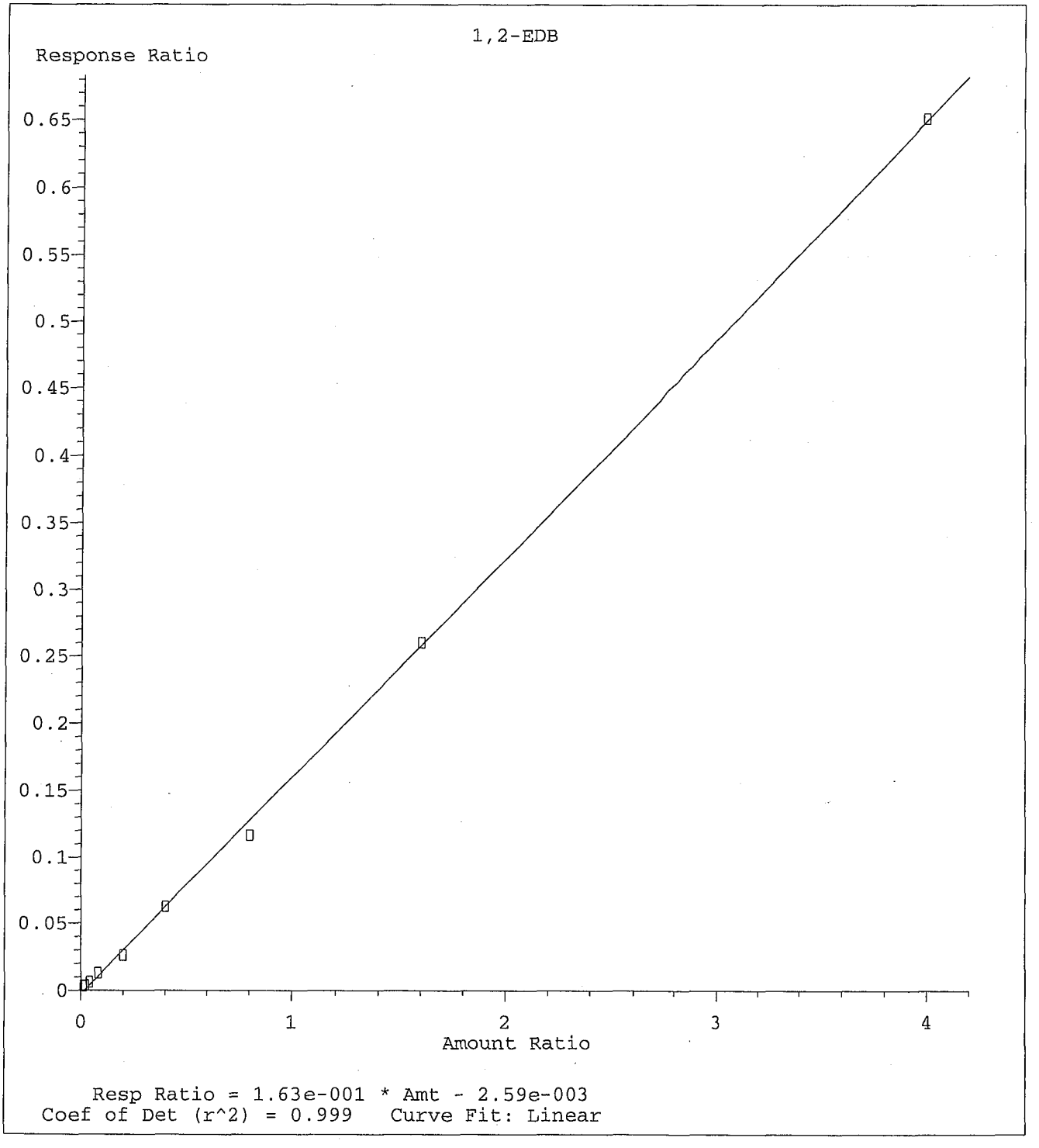

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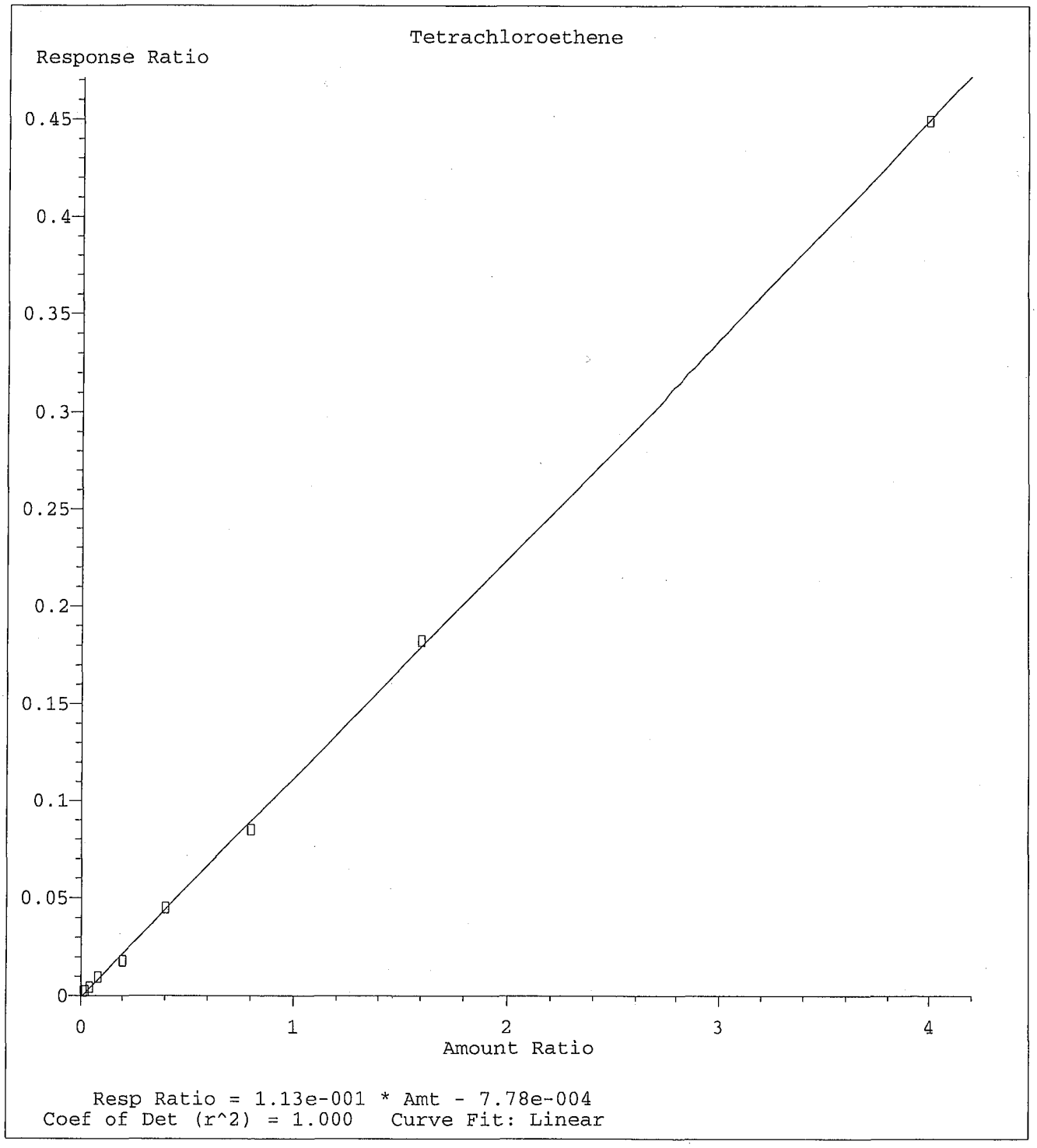

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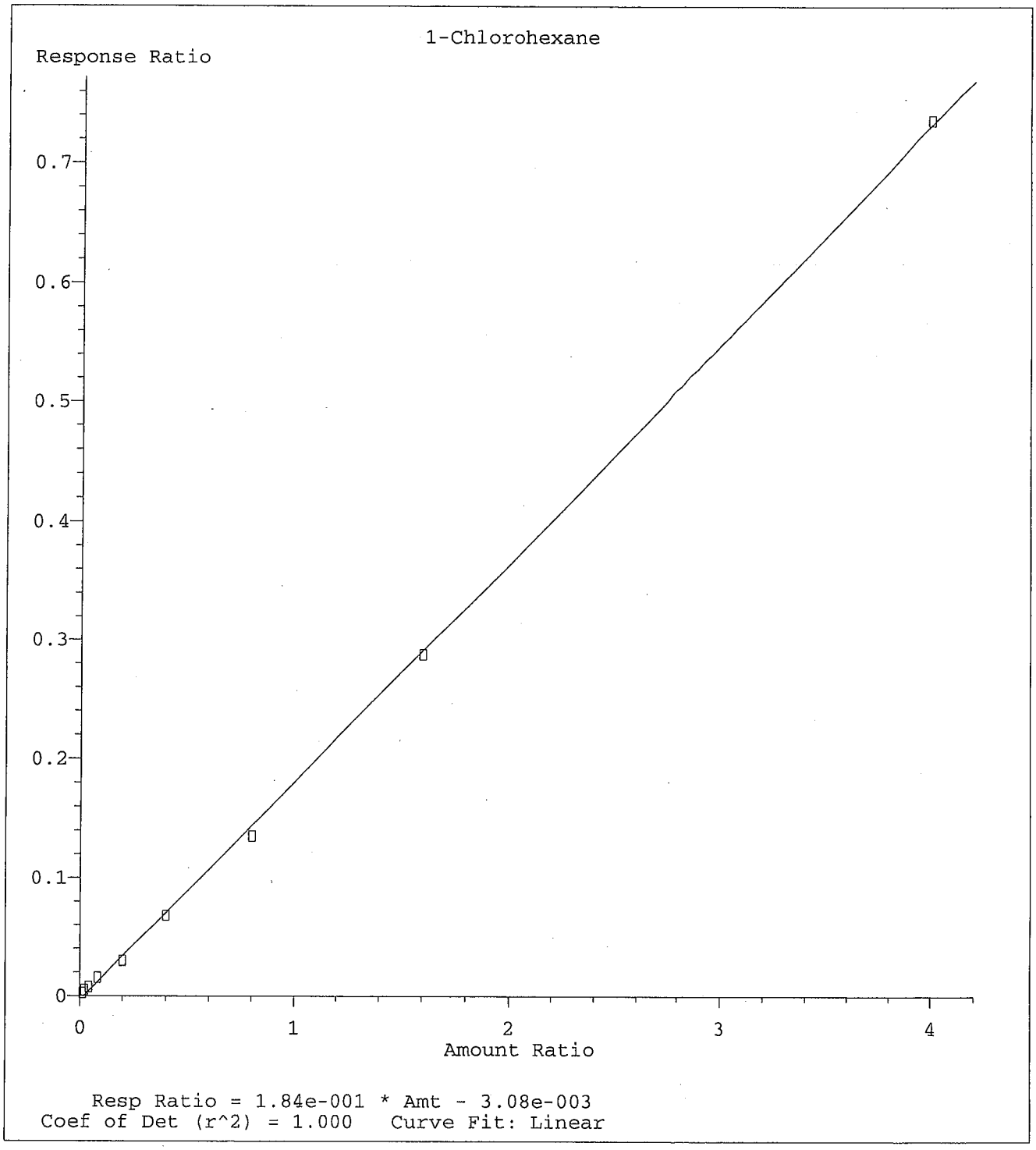

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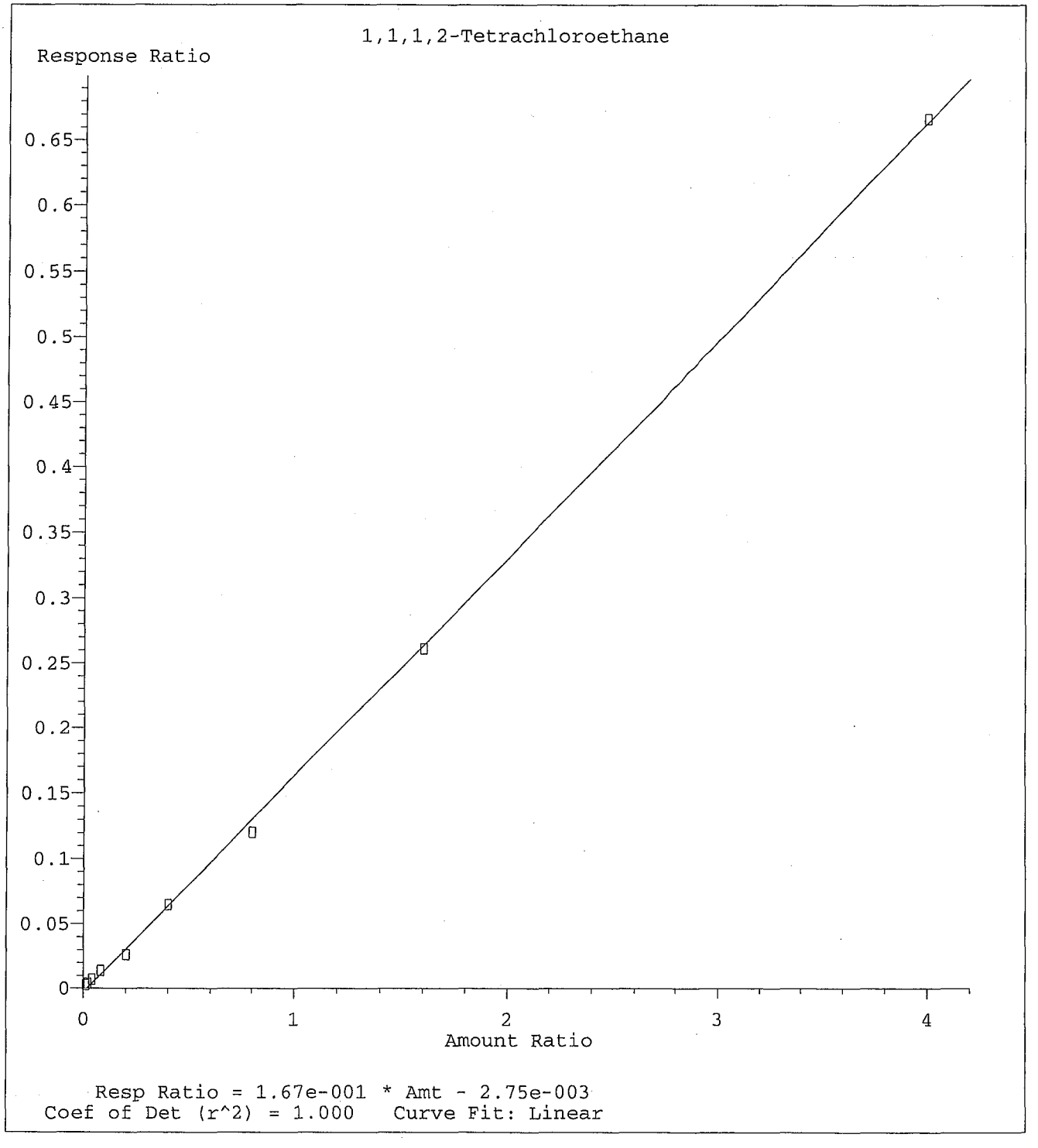

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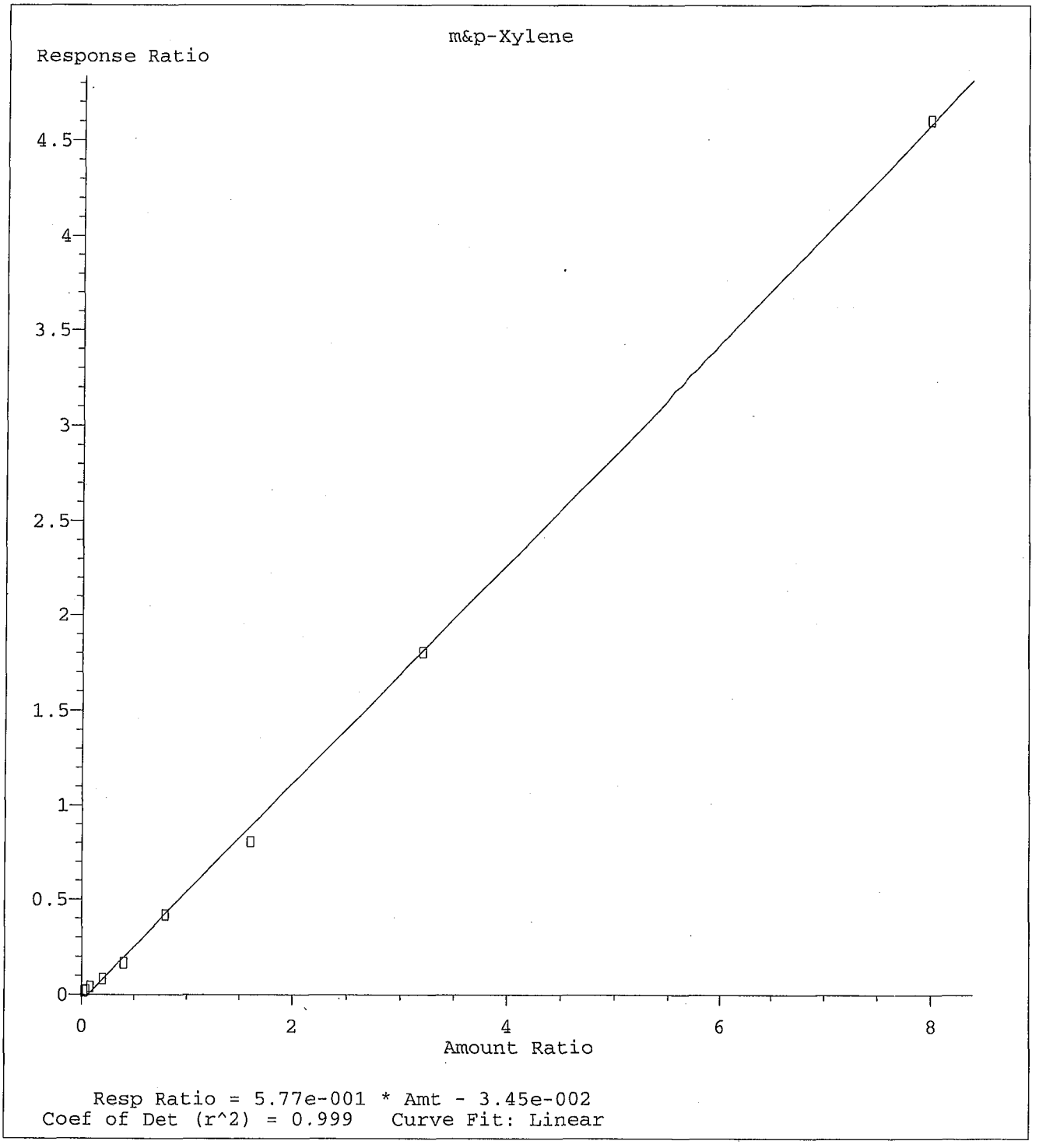

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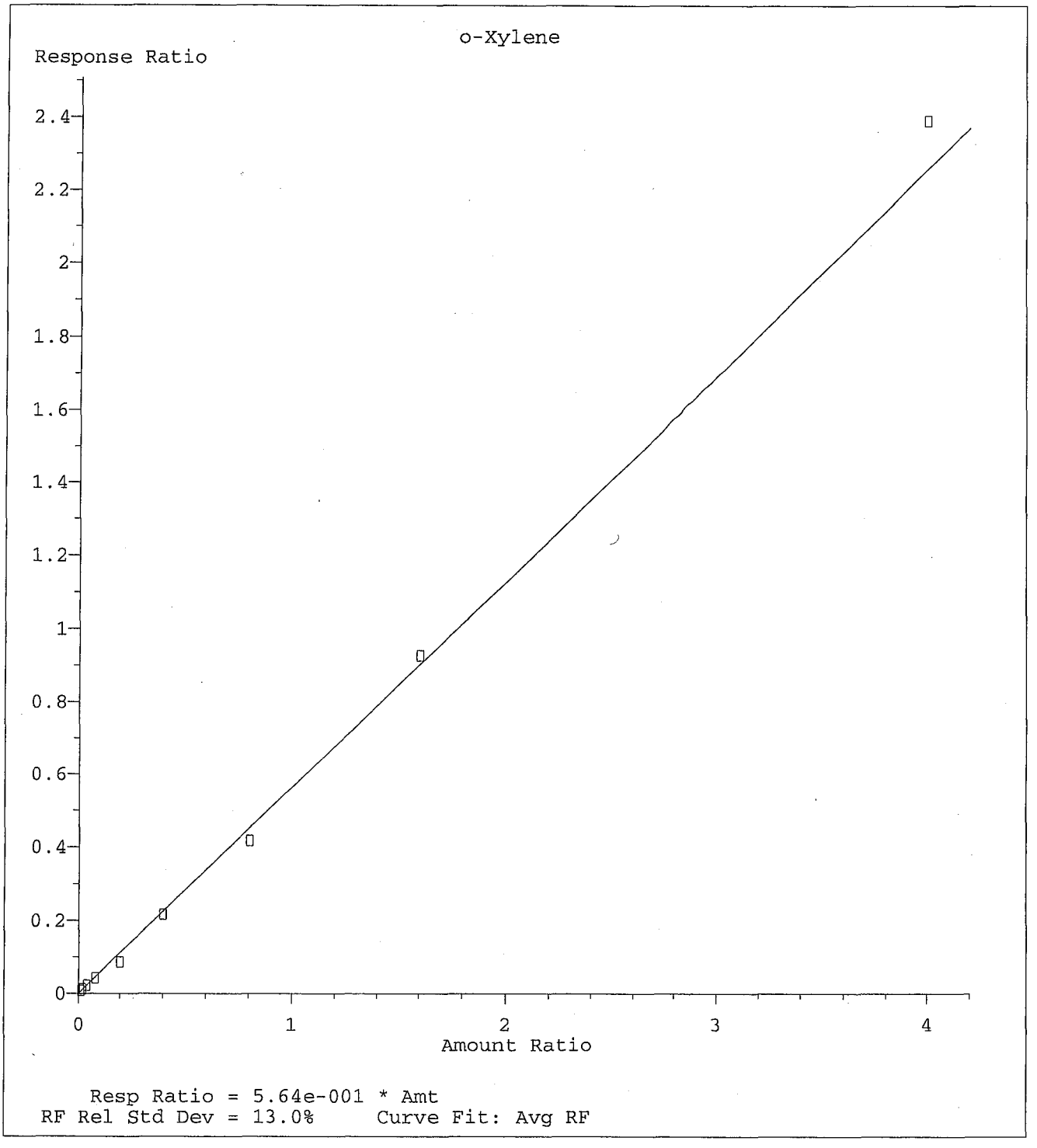
Calibration Table Last Updated: Fri Jul 16 10:45:51 2021



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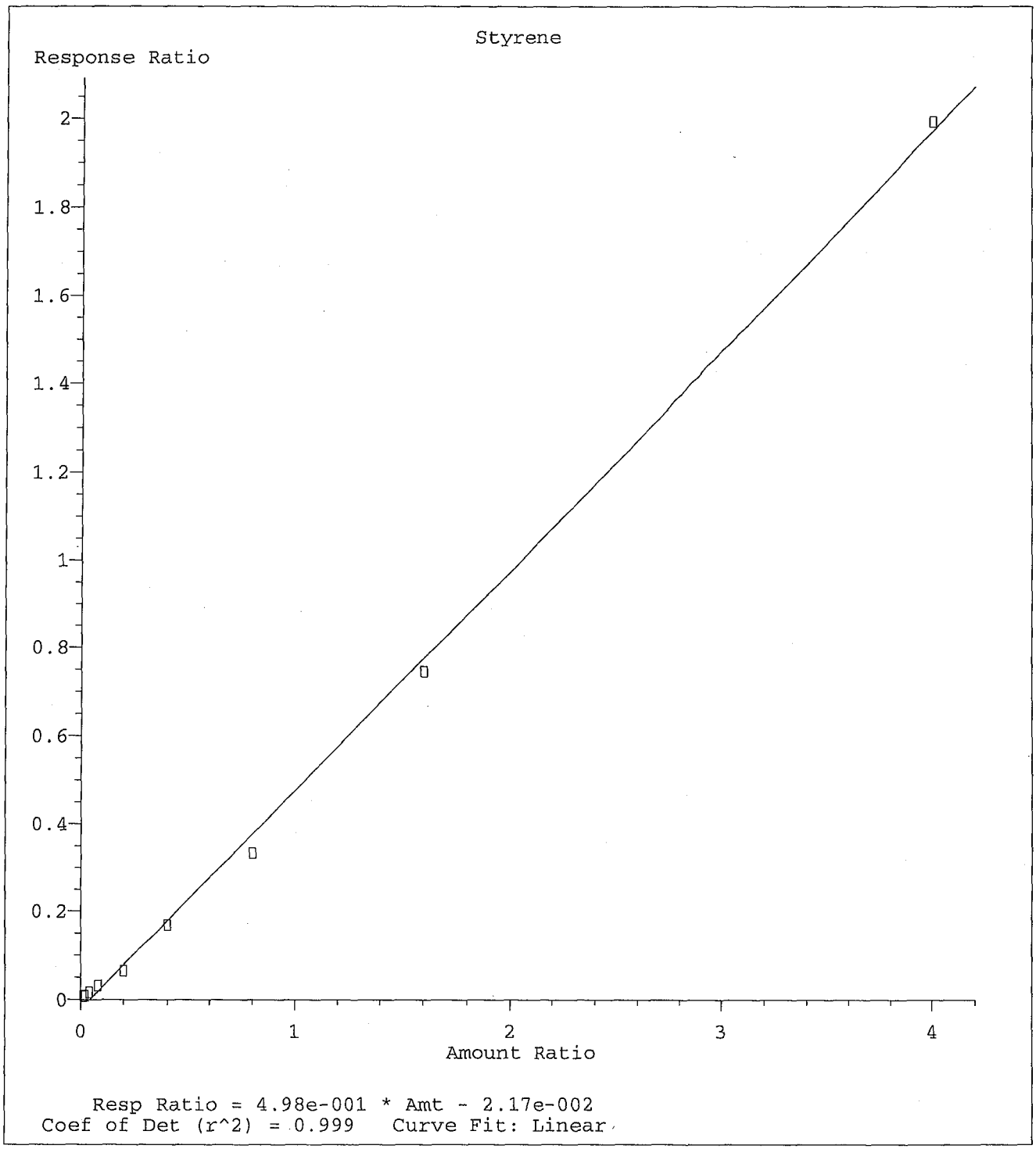

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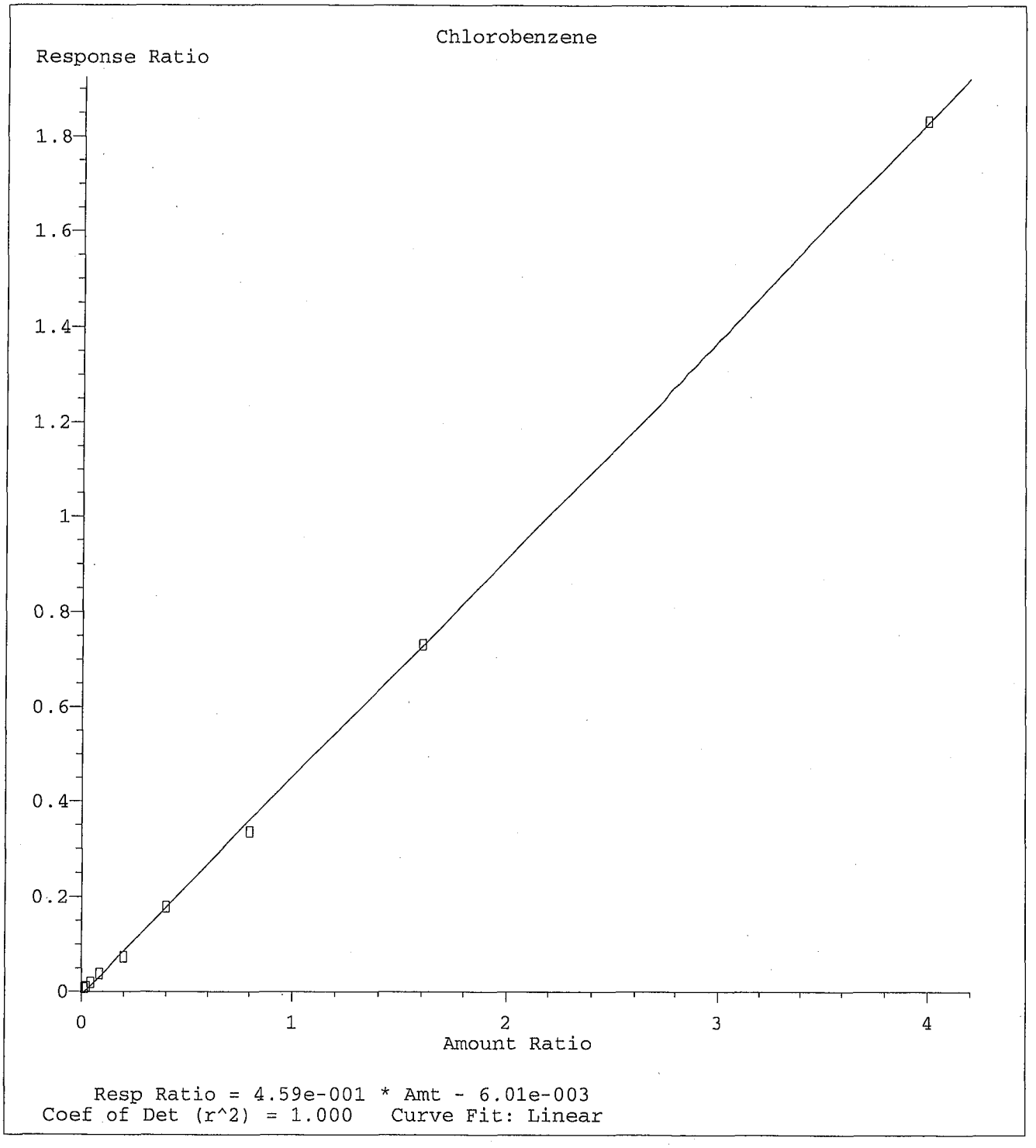

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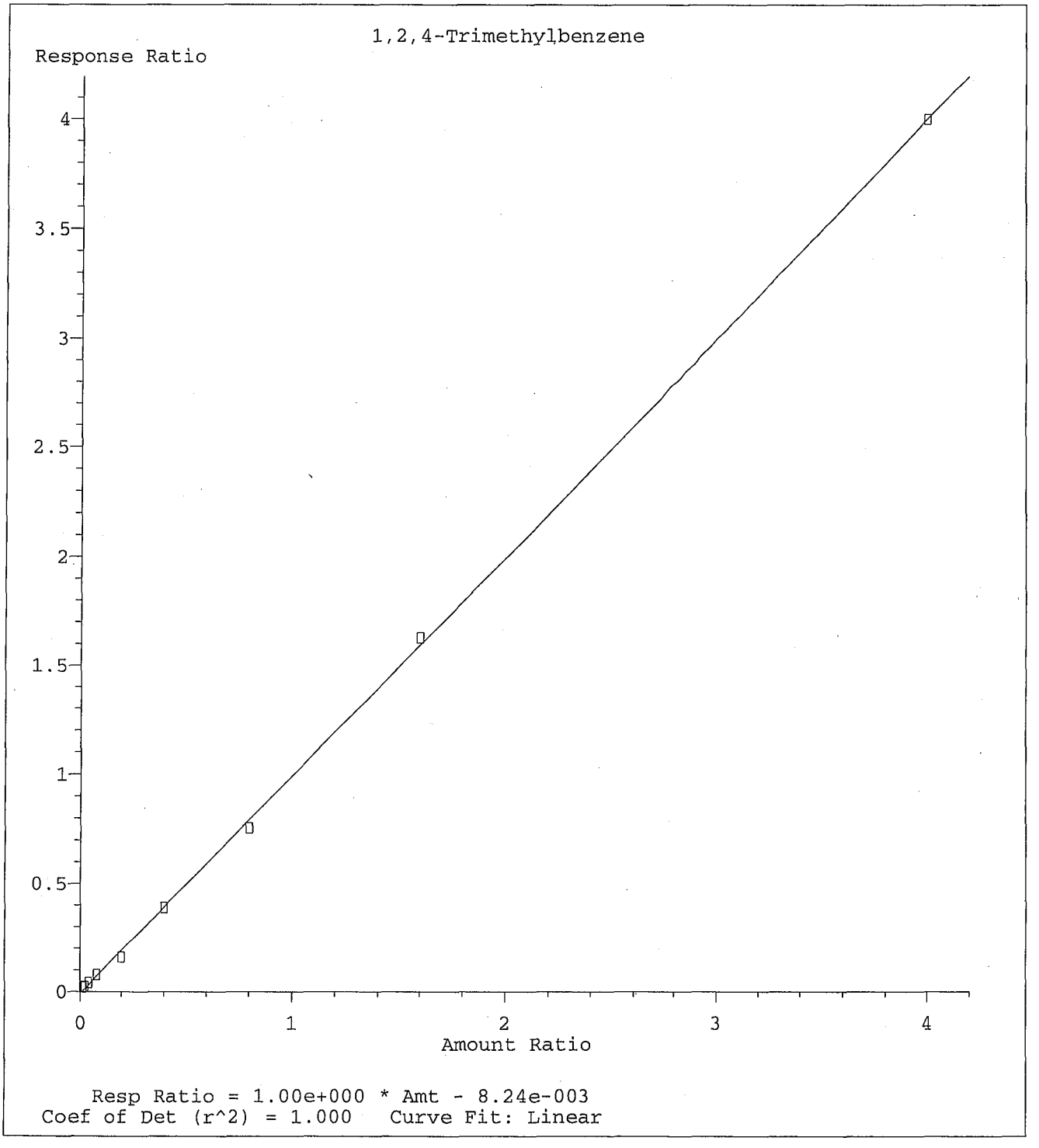

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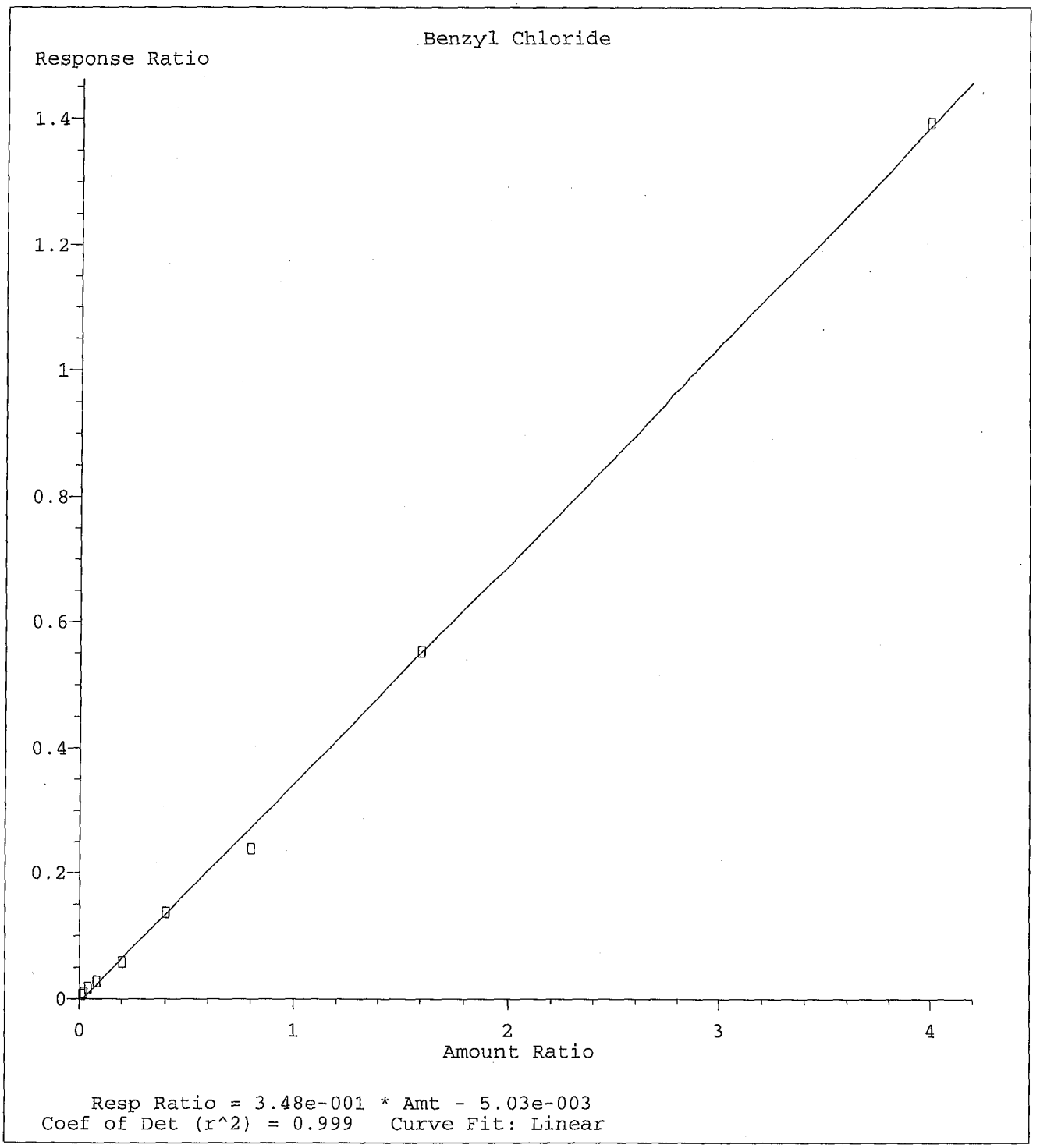

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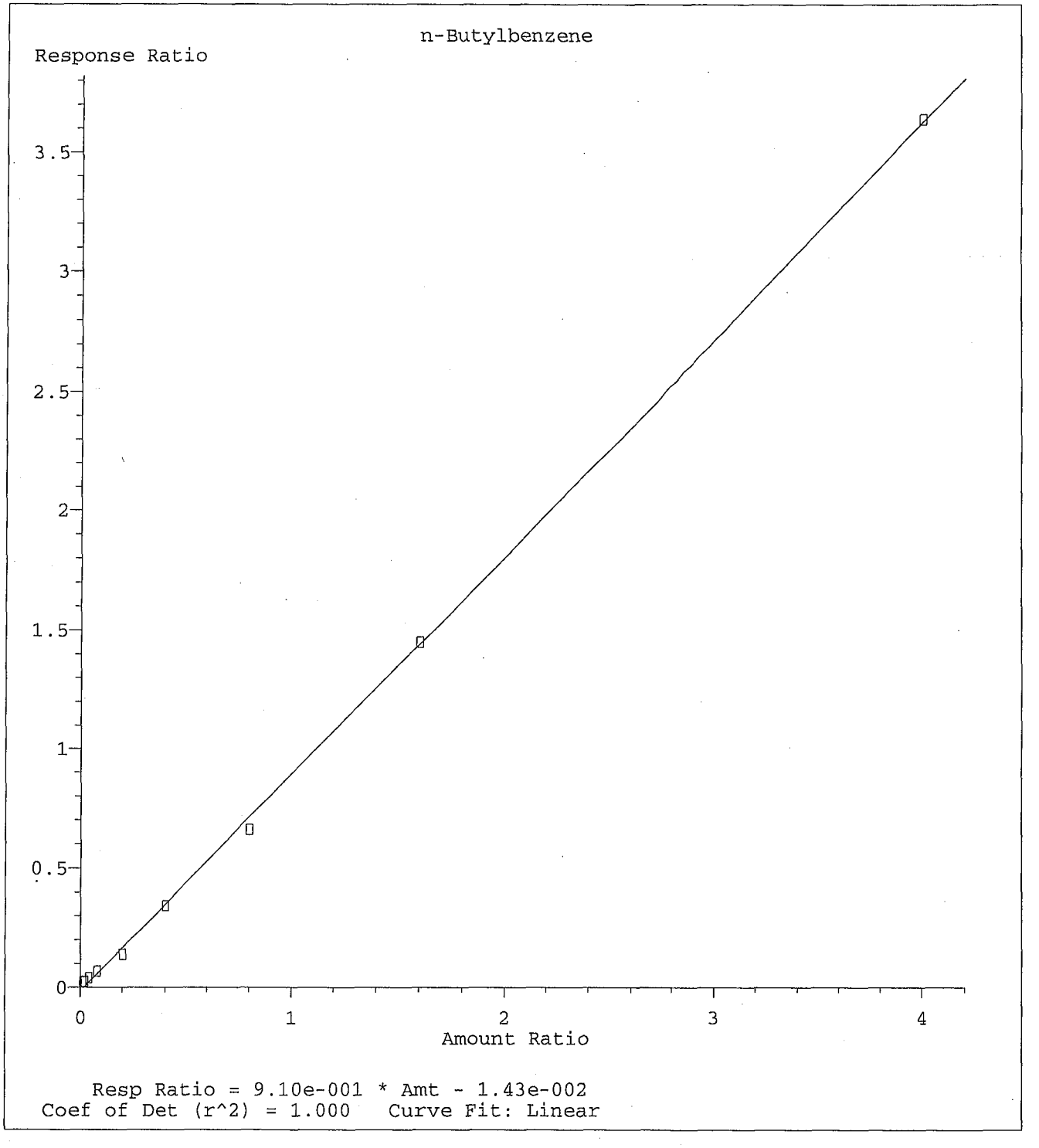

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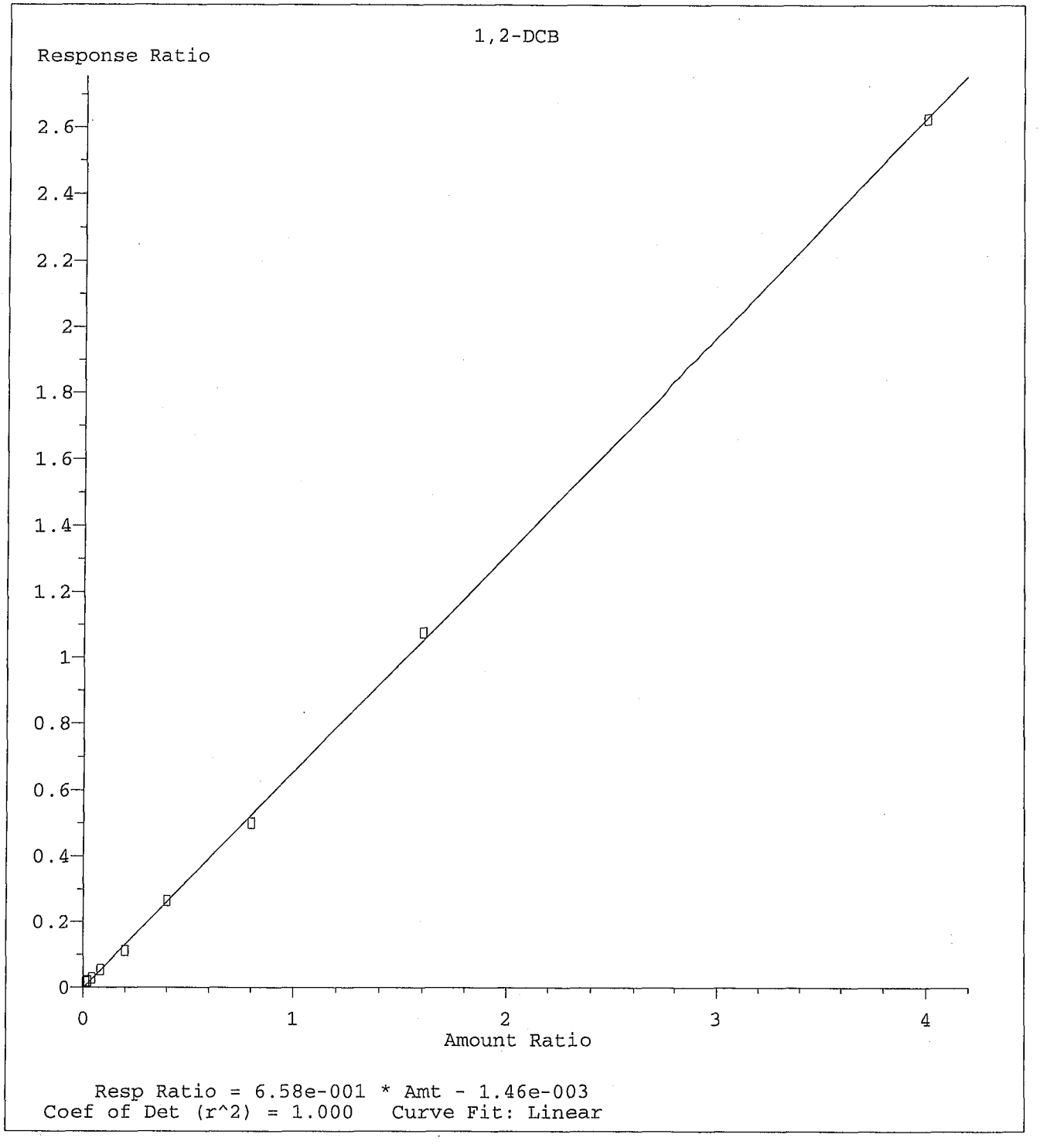

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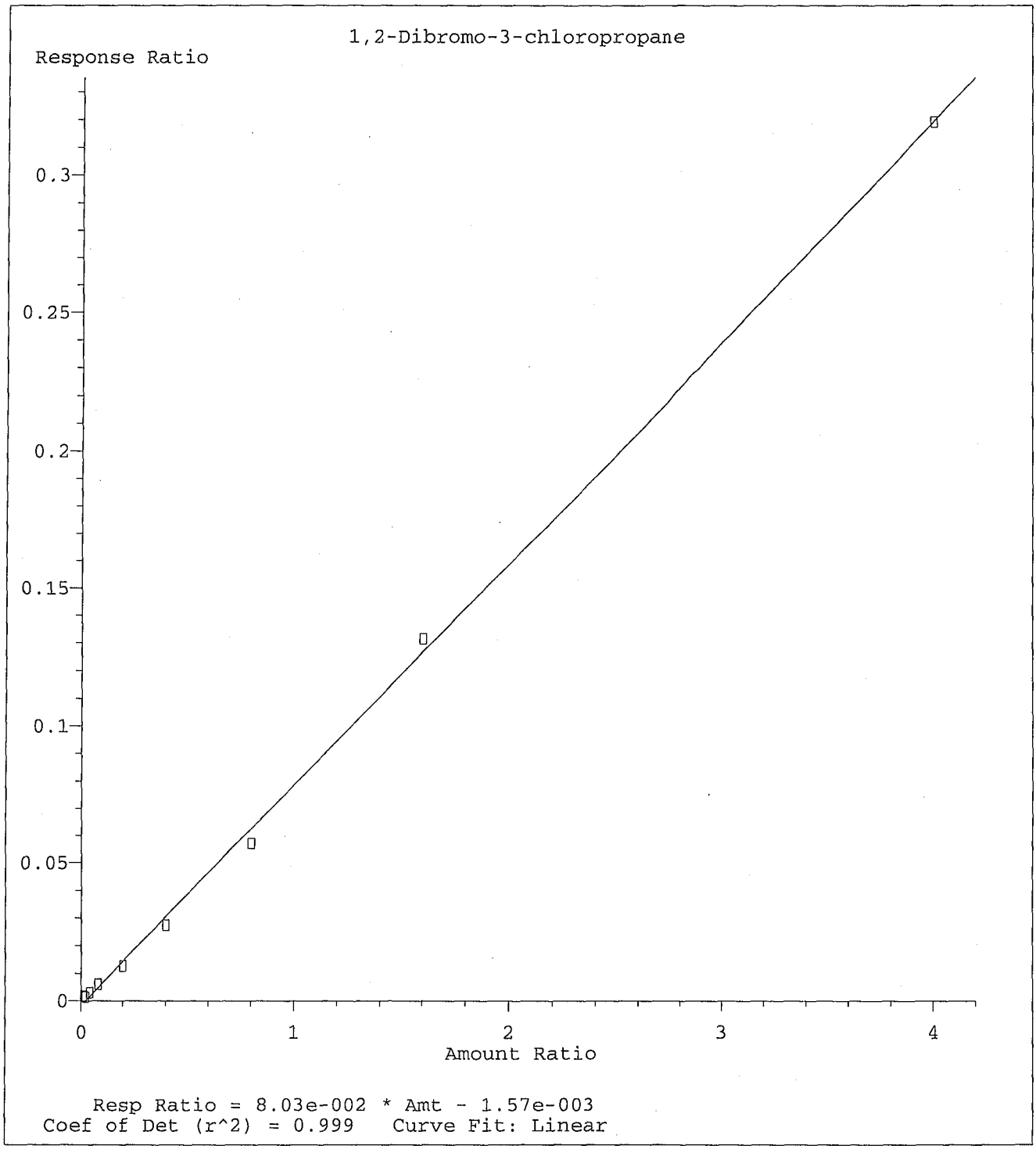

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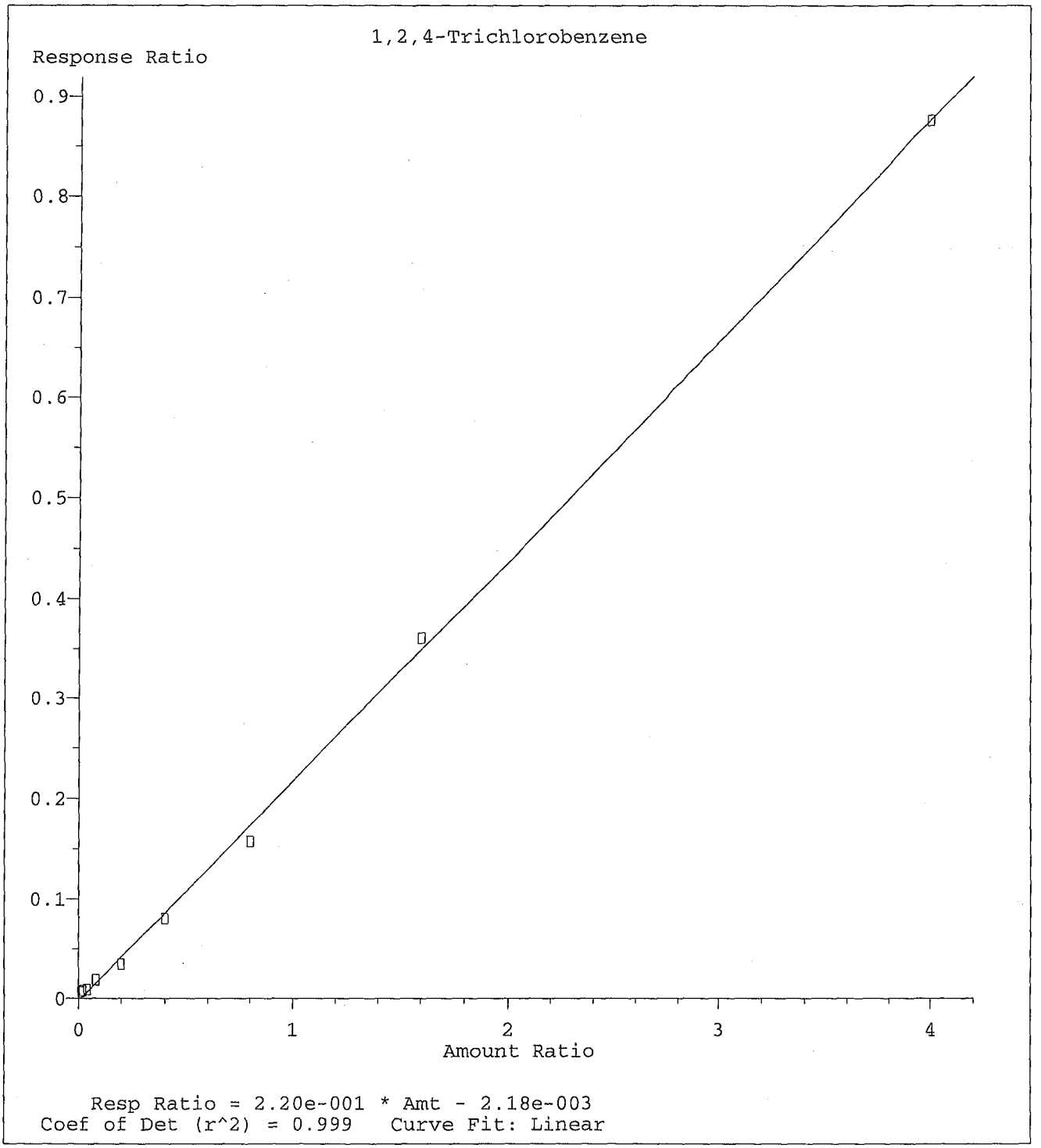

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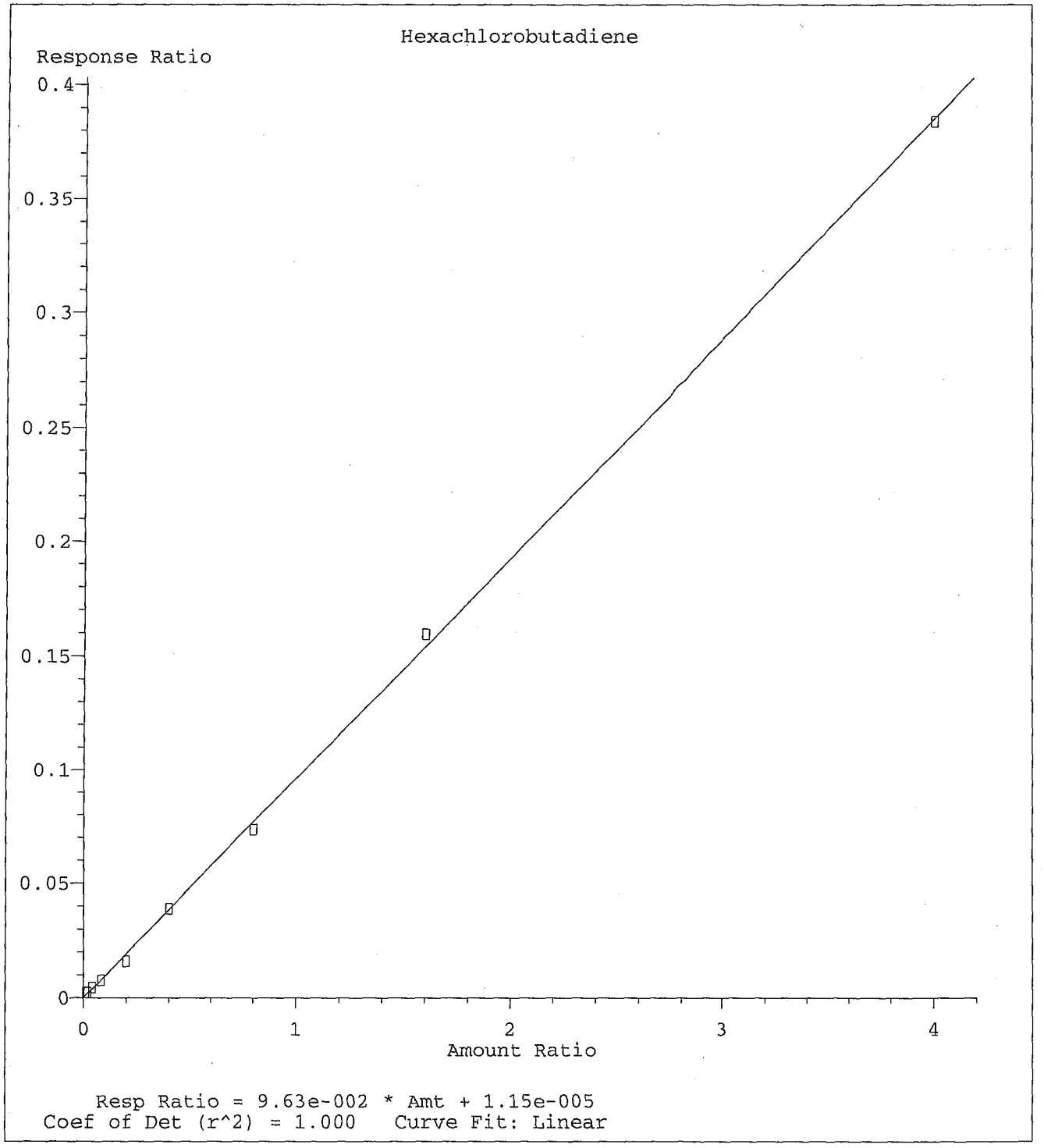
Calibration Table Last Updated: Fri Jul 16 10:45:51 2021



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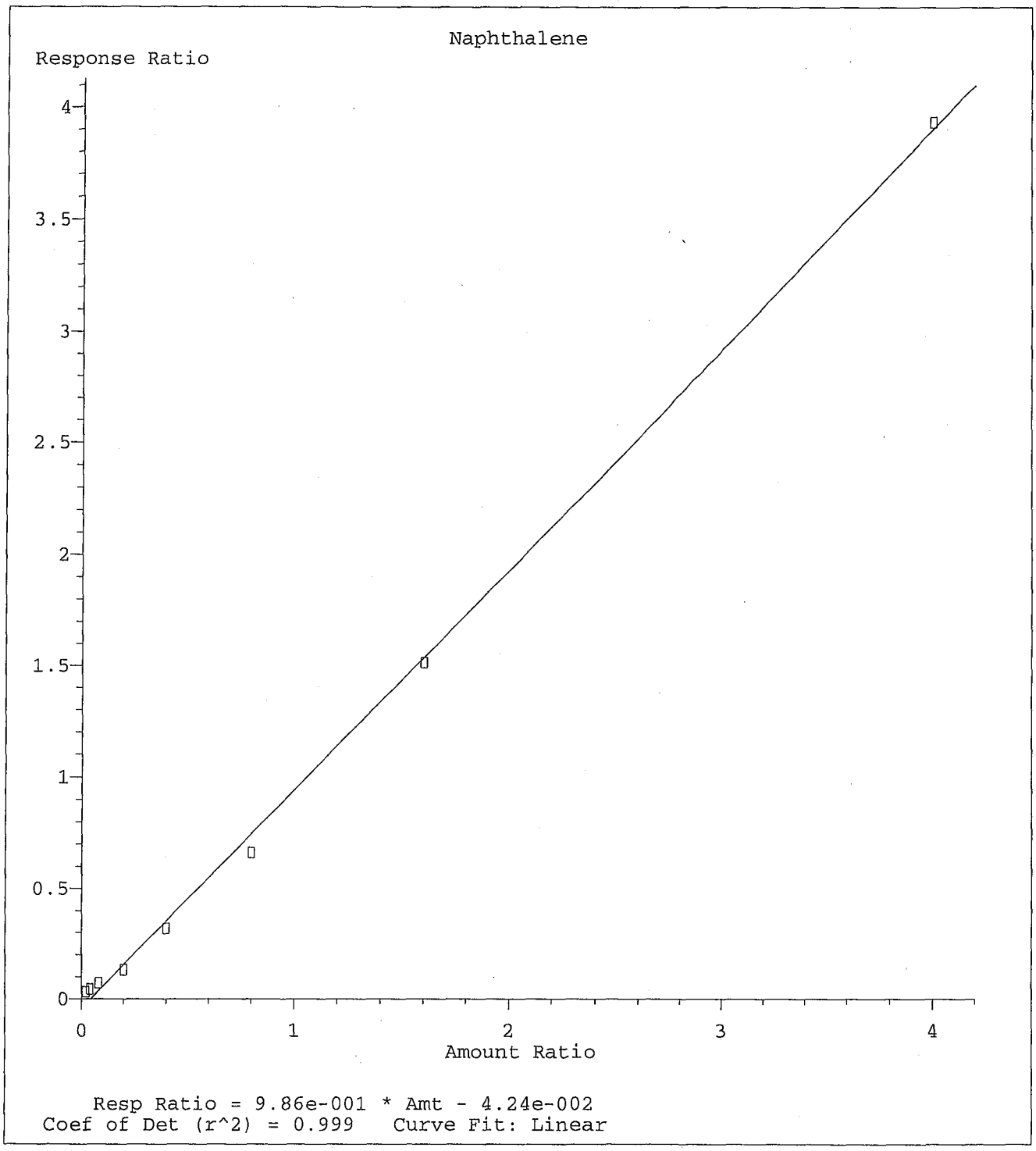

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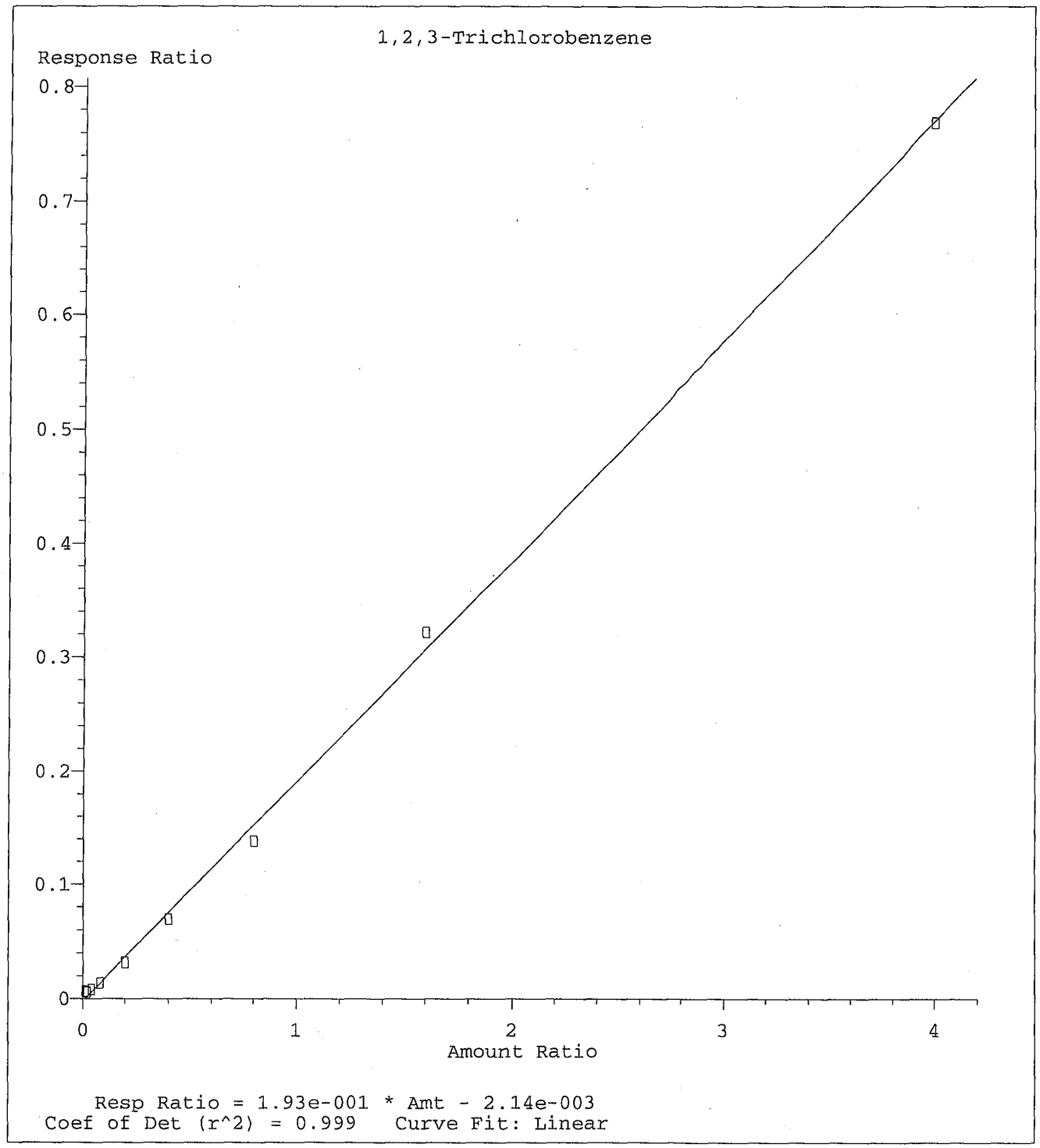


Method Name: M:\LOKI\DATA\210712\L0712NEW.M
Calibration Table Last Updated: Fri Jul 16 10:45:51 2021

VOLATILE ORGANIC ANALYSIS
VOLATILE ORGANIC COMPOUNDS

Form 7

Second Source Calibration

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

SDG No:
Date Analyzed: 07/12/21
Instrument: Loki
Initial Cal. Date: 07/12/21
Data File: 0712L22.D

		Compound	MEAN	CCRF	%D		%Drift
1	TMCL	Dichlorodifluoromethane	0.1210	0.1207	0.24	TMCL	3.6
2	TM	Freon 114	0.1099	0.1029	6.4	TM	
3	TMC**	Chloromethane	0.1588	0.1475	7.1	TMC**L	10
4	TMC*	Vinyl chloride	0.1333	0.1418	6.4	TMC*	
5	TMCL	Bromomethane	0.1174	0.1178	0.36	TMCL	7.1
6	TMC	Chloroethane	0.0834	0.0893	7.2	TMC	
7	TM	Dichlorofluoromethane	0.2226	0.2127	4.5	TM	
8	TMC	Trichlorofluoromethane	0.1062	0.1051	1.0	TMC	
9	TM	Acrolein	0.0143	0.0118	18	TM	
10	TMCL	Acetone	0.0218	0.0179	18	TMCL	11
11	TMC	Freon-113	0.1012	0.0974	3.8	TMC	
12	TMC*L	1,1-DCE	0.1750	0.1644	6.1	TMC*L	0.46
13	TM	t-Butanol	0.0117	0.0120	2.4	TM	
14	TM	Acetonitrile	0.0165	0.0150	9.1	TM	
15	TMCL	Methyl Acetate	0.0974	0.0776	20	TMCL	11
16	TML	Iodomethane	0.1010	0.0913	9.6	TML	5.5
17	TM	Acrylonitrile	0.0485	0.0459	5.2	TM	
18	TMCL	Methylene chloride	0.1590	0.1350	15	TMCL	5.9
19	TMCL	Carbon disulfide	0.1921	0.1918	0.13	TMCL	5.1
20	TMC	Methyl t-butyl ether (MtBE)	0.2855	0.2749	3.7	TMC	
21	TMCL	Trans-1,2-DCE	0.1720	0.1582	8.0	TMCL	0.99
22	TM	Diisopropyl Ether	0.3282	0.3200	2.5	TM	
23	TMC**	1,1-DCA	0.2236	0.2084	6.8	TMC**L	1.1
24	TML	Vinyl Acetate	0.0879	0.0673	23	TML	0.70
25	TM	Ethyl tert Butyl Ether	0.1834	0.1730	5.6	TM	
26	TMC	MEK (2-Butanone)	0.0266	0.0239	10	TMC	
27	TMCL	Cis-1,2-DCE	0.2014	0.1821	9.6	TMCL	0.00
28	TML	2,2-Dichloropropane	0.1916	0.1608	16	TML	2.9
29	TMC*L	Chloroform	0.2270	0.2161	4.8	TMC*L	1.7
30	TML	Bromochloromethane	0.1012	0.0905	11	TML	0.50
31	TMC	1,1,1-TCA	0.1901	0.1859	2.2	TMC	
32	TMC	Cyclohexane	0.1599	0.1462	8.5	TMC	
33	TML	1,1-Dichloropropene	0.1591	0.1504	5.4	TML	2.9
34	TM	2,2,4-Trimethylpentane	0.1124	0.1048	6.7	TM	
35	TMC	Carbon Tetrachloride	0.1496	0.1433	4.2	TMC	
36	TML	Tert Amyl Methyl Ether	0.1521	0.1409	7.4	TML	15
37	TMCL	1,2-DCA	0.1810	0.1707	5.7	TMCL	1.2
38	TMCL	Benzene	0.4988	0.4621	7.4	TMCL	0.97
39	TMCL	TCE	0.1885	0.1528	19	TMCL	5.5
40	TM	2-Pentanone	0.0785	0.0734	6.5	TM	
		Average			7.9		

VOLATILE ORGANIC ANALYSIS
VOLATILE ORGANIC COMPOUNDS

Form 7

Second Source Calibration

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

SDG No:
Date Analyzed: 07/12/21
Instrument: Loki
Cal. Date: 07/12/21
Data File: 0712L22.D

		Compound	MEAN	CCRF	%D		%Drift	
41	TMC*	1,2-Dichloropropane	0.1305	0.1235	5.3	TMC*		
42	TMCL	Bromodichloromethane	0.1734	0.1677	3.3	TMCL	2.2	
43	TMC	Methyl Cyclohexane	0.0789	0.0752	4.8	TMC		
44	TML	Dibromomethane	0.1016	0.1014	0.19	TML	3.8	
45	TM	2-Chloroethyl vinyl ether	0.0000	0.0036	0.00	TM		
46	TMC	MIBK (methyl isobutyl ketone)	0.0510	0.0460	9.7	TMC		
47	TM	1-Bromo-2-chloroethane	0.0877	0.0854	2.6	TM		
48	TMCL	Cis-1,3-Dichloropropene	0.2063	0.1933	6.3	TMCL	0.86	
49	TMC*L	Toluene	0.5374	0.5088	5.3	TMC*L	1.0	
50	TMCL	Trans-1,3-Dichloropropene	0.1084	0.1011	6.8	TMCL	1.3	
51	TMCL	1,1,2-TCA	0.1259	0.1189	5.6	TMCL	2.9	
52	TMC	2-Hexanone	0.0306	0.0272	11	TMC		
53	TMCL	1,2-EDB	0.1691	0.1543	8.7	TMCL	1.4	
54	TMCL	Tetrachloroethene	0.1200	0.1138	5.1	TMCL	2.9	
55	TML	1-Chlorohexane	0.1898	0.1639	14	TML	6.7	
56	TML	1,1,1,2-Tetrachloroethane	0.1721	0.1632	5.2	TML	2.1	
57	TMCL	m&p-Xylene	0.5435	0.5274	3.0	TMCL	1.2	
58	TMC	o-Xylene	0.5643	0.5425	3.9	TMC		
59	TMCL	Styrene	0.4428	0.4217	4.8	TMCL	4.5	
60	TM	1,3-Dichloropropane	0.2614	0.2445	6.5	TM		
61	TMC	Dibromochloromethane	0.1699	0.1710	0.62	TMC		
62	TMC**	Chlorobenzene	0.4718	0.4501	4.6	TMC**L	1.4	
63	TMC*	Ethylbenzene	0.3911	0.3828	2.1	TMC*		
64	TMC**	Bromoform	0.1292	0.1231	4.7	TMC**		
65	TMC	Isopropylbenzene	1.143	1.185	3.7	TMC		
66	TMC**	1,1,2,2-Tetrachloroethane	0.3315	0.3237	2.3	TMC**		
67	TM	1,2,3-Trichloropropane	0.1125	0.1197	6.4	TM		
68	TM	t-1,4-Dichloro-2-Butene	0.0593	0.0578	2.5	TM		
69	TM	Bromobenzene	0.3451	0.3435	0.45	TM		
70	TM	n-Propylbenzene	1.315	1.345	2.3	TM		
71	TM	4-Ethyltoluene	0.9624	0.9763	1.4	TM		
72	TM	2-Chlorotoluene	0.9514	1.004	5.6	TM		
73	TM	1,3,5-Trimethylbenzene	0.9913	1.010	1.9	TM		
74	TM	4-Chlorotoluene	0.9514	1.004	5.6	TM		
75	TM	Tert-Butylbenzene	0.8412	0.8512	1.2	TM		
76	TML	1,2,4-Trimethylbenzene	1.067	1.010	5.3	TML	2.8	
77	TM	Sec-Butylbenzene	1.186	1.212	2.2	TM		
78	TM	p-Isopropyltoluene	1.048	1.043	0.45	TM		
79	TML	Benzyl Chloride	0.3866	0.2538	34	TML	23	*
80	TMC	1,3-DCB	0.6619	0.6760	2.1	TMC		
		Average			5.0			

VOLATILE ORGANIC ANALYSIS
VOLATILE ORGANIC COMPOUNDS

Form 7

Second Source Calibration

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

SDG No:
Date Analyzed: 07/12/21
Instrument: Loki
Cal. Date: 07/12/21
Data File: 0712L22.D

		Compound	MEAN	CCRF	%D		%Drift	
81	TMC	1,4-DCB	0.6574	0.6601	0.42	TMC		
82	TML	n-Butylbenzene	1.009	0.9153	9.3	TML	4.5	
83	TMCL	1,2-DCB	0.7475	0.6937	7.2	TMCL	6.0	
84	TM	Hexachloroethane	0.1746	0.1590	9.0	TM		
85	TMCL	1,2-Dibromo-3-chloropropane	0.0819	0.0764	6.7	TMCL	0.06	
86	TMCL	1,2,4-Trichlorobenzene	0.2714	0.2503	7.8	TMCL	17	
87	TML	Hexachlorobutadiene	0.1101	0.0985	11	TML	2.2	
88	TML	Naphthalene	0.9787	1.091	11	TML	21	*
89	TML	1,2,3-Trichlorobenzene	0.2329	0.2118	9.1	TML	12	
90								
91								
92								
93								
94								
95								
96								
97								
98								
99								
100								
101								
102								
103								
104								
105								
106								
107								
108								
109								
110								
111								
112								
113								
114								
115								
116								
117								
118								
119								
120								
		Average			7.9			

Quantitation Report (Not Reviewed)

Data File : M:\LOKI\DATA\210712\0712L22.D Vial: 12
Acq On : 12 Jul 21 18:45 Operator:
Sample : (SS) 10ug/L VOC STD 7/12/21 Inst : Loki
Misc : IS&S: 10/21/20, 11/11/20 Multiplr: 1.00

Quant Time: Jul 16 10:56 2021 Quant Results File: L0712NEW.RES

Quant Method : M:\LOKI\DATA\210712\L0712NEW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Jul 16 10:45:51 2021
Response via : Initial Calibration
DataAcq Meth : 070721_L8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.53	96	951491	25.00	ppb	0.00
56) Chlorobenzene-D5 (IS)	9.99	117	744994	25.00	ppb	0.00
71) 1,4-Dichlorobenzene-D4 (IS	12.55	152	415626	25.00	ppb	0.00
System Monitoring Compounds						
32) Dibromofluoromethane(S)	5.69	113	246768	24.20	ppb	0.00
Spiked Amount 25.000			Recovery =	96.784%		
37) 1,2-DCA-D4(S)	6.10	65	283791	24.86	ppb	0.00
Spiked Amount 25.000			Recovery =	99.432%		
57) Toluene-D8(S)	8.39	98	935958	24.63	ppb	0.00
Spiked Amount 25.000			Recovery =	98.536%		
65) 4-Bromofluorobenzene(S)	11.29	174	318504	25.12	ppb	0.00
Spiked Amount 25.000			Recovery =	100.472%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.15	85	45949	9.64	ppb	96
3) Freon 114	1.26	85	39145	9.36	ppb	91
4) Chloromethane	1.30	50	56128	11.00	ppb	100
5) Vinyl chloride	1.40	62	53976	10.64	ppb	95
6) Bromomethane	1.67	96	44837	10.71	ppb	99
7) Chloroethane	1.77	64	34005	10.72	ppb	98
8) Dichlorofluoromethane	1.97	67	80952	9.55	ppb	97
9) Trichlorofluoromethane	2.01	101	39992	9.90	ppb	89
10) Acrolein	2.44	56	56123	102.90	ppb	97
11) Acetone	2.63	43	34061	44.65	ppb	99
12) Freon-113	2.56	101	37064	9.62	ppb	99
13) 1,1-DCE	2.54	61	62568	9.95	ppb	96
14) t-Butanol	3.38	59	57044	128.02	ppb	92
15) Acetonitrile	2.95	41	71212	113.57	ppb	99
16) Methyl Acetate	3.03	43	29550	8.93	ppb	96
17) Iodomethane	2.69	142	34734	9.45	ppb	89
18) Acrylonitrile	3.48	53	17488	9.48	ppb	91
19) Methylene chloride	3.13	84	51399	10.59	ppb	94
20) Carbon disulfide	2.75	76	73000	10.51	ppb	98
21) Methyl t-butyl ether (MtBE	3.54	73	104642	9.63	ppb	98
22) Trans-1,2-DCE	3.50	61	60223	10.10	ppb	97
23) Diisopropyl Ether	4.34	45	121804	9.75	ppb	97
24) 1,1-DCA	4.14	63	79311	10.11	ppb	95
25) Vinyl Acetate	4.34	43	25617	10.07	ppb	100
26) Ethyl tert Butyl Ether	4.88	59	65858	9.44	ppb	91
27) MEK (2-Butanone)	5.09	43	45484	44.98	ppb	99
28) Cis-1,2-DCE	5.01	61	69302	10.00	ppb	93
29) 2,2-Dichloropropane	5.00	77	61209	9.71	ppb	98
30) Chloroform	5.48	83	82251	10.17	ppb	98
31) Bromochloromethane	5.33	130	34450	10.05	ppb	97
33) 1,1,1-TCA	5.68	97	70768	9.78	ppb	99
34) Cyclohexane	5.74	56	55645	9.15	ppb	94
35) 1,1-Dichloropropene	5.90	75	57257	10.29	ppb	96
36) 2,2,4-Trimethylpentane	6.30	57	39896	9.33	ppb	100
38) Carbon Tetrachloride	5.89	119	54543	9.58	ppb	98
39) Tert Amyl Methyl Ether	6.37	73	53607	8.53	ppb	96
40) 1,2-DCA	6.20	62	64966	10.12	ppb	98
41) Benzene	6.16	78	175874	9.90	ppb	100
42) TCE	6.97	130	58148	10.55	ppb	95

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

Data File : M:\LOKI\DATA\210712\0712L22.D Vial: 12
Acq On : 12 Jul 21 18:45 Operator:
Sample : (SS) 10ug/L VOC STD 7/12/21 Inst : Loki
Misc : IS&S: 10/21/20, 11/11/20 Multiplr: 1.00

Quant Time: Jul 16 10:56 2021 Quant Results File: L0712NEW.RES

Quant Method : M:\LOKI\DATA\210712\L0712NEW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Jul 16 10:45:51 2021
Response via : Initial Calibration
DataAcq Meth : 070721_L8260

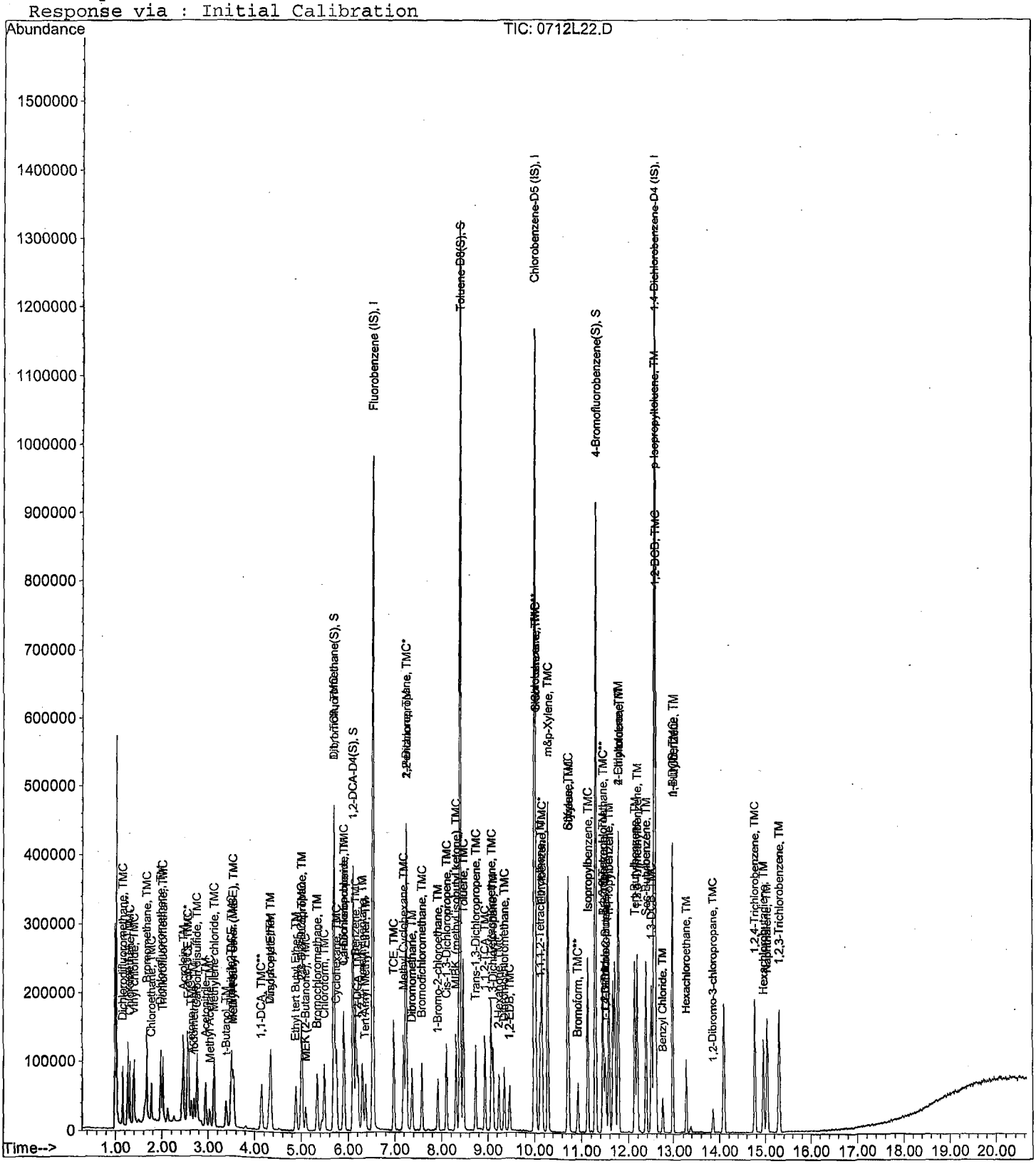
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
43)	2-Pentanone	7.24	43	349390	116.90	ppb		99
44)	1,2-Dichloropropane	7.23	63	46998	9.47	ppb		91
45)	Bromodichloromethane	7.57	83	63832	10.22	ppb		99
46)	Methyl Cyclohexane	7.19	98	28604	9.52	ppb		93
47)	Dibromomethane	7.37	174	38610	10.38	ppb		97
49)	MIBK (methyl isobutyl ket	8.30	43	87544	45.13	ppb		98
50)	1-Bromo-2-chloroethane	7.91	63	32520	9.74	ppb		93
51)	Cis-1,3-Dichloropropene	8.10	75	73551	9.91	ppb		99
52)	Toluene	8.46	91	193633	10.10	ppb		92
53)	Trans-1,3-Dichloropropene	8.73	75	38472	9.87	ppb		95
54)	1,1,2-TCA	8.93	97	45245	10.29	ppb		96
55)	2-Hexanone	9.24	43	51772	44.45	ppb		96
58)	1,2-EDB	9.46	107	45982	9.86	ppb		97
59)	Tetrachloroethene	9.07	166	33920	10.29	ppb		97
60)	1-Chlorohexane	10.02	91	48827	9.33	ppb		95
61)	1,1,1,2-Tetrachloroethane	10.12	131	48641	10.21	ppb		98
62)	m&p-Xylene	10.28	91	314302	19.77	ppb		96
63)	o-Xylene	10.71	91	161668	9.61	ppb		98
64)	Styrene	10.73	104	125667	9.55	ppb		96
66)	1,3-Dichloropropane	9.11	76	72851	9.35	ppb		96
67)	Dibromochloromethane	9.35	129	50957	10.06	ppb		92
68)	Chlorobenzene	10.02	112	134133	10.14	ppb		100
69)	Ethylbenzene	10.15	91	114072	9.79	ppb		99
70)	Bromoform	10.92	173	36693	9.53	ppb		97
72)	Isopropylbenzene	11.12	105	197049	10.37	ppb		97
73)	1,1,2,2-Tetrachloroethane	11.45	83	53820	9.77	ppb		96
74)	1,2,3-Trichloropropane	11.49	110	19897	10.64	ppb		88
75)	t-1,4-Dichloro-2-Butene	11.51	53	9611	9.75	ppb		97
76)	Bromobenzene	11.44	158	57111	9.95	ppb		98
77)	n-Propylbenzene	11.58	91	223624	10.23	ppb		100
78)	4-Ethyltoluene	11.77	105	162309	10.14	ppb		99
79)	2-Chlorotoluene	11.78	91	166987	10.56	ppb		99
80)	1,3,5-Trimethylbenzene	12.18	105	167880	10.19	ppb		95
81)	4-Chlorotoluene	11.78	91	166987	10.56	ppb		99
82)	Tert-Butylbenzene	12.13	119	141513	10.12	ppb		99
83)	1,2,4-Trimethylbenzene	12.18	105	167880	10.28	ppb		95
84)	Sec-Butylbenzene	12.37	105	201546	10.22	ppb		99
85)	p-Isopropyltoluene	12.53	119	173453	9.95	ppb		96
86)	Benzyl Chloride	12.73	91	42197	7.66	ppb		99
87)	1,3-DCB	12.48	146	112385	10.21	ppb		95
88)	1,4-DCB	12.99	146	109750	10.04	ppb		98
89)	n-Butylbenzene	12.98	91	152166	10.45	ppb		100
90)	1,2-DCB	12.58	146	115332	10.60	ppb		99
91)	Hexachloroethane	13.27	117	26429	9.10	ppb		94
92)	1,2-Dibromo-3-chloropropan	13.85	157	12704	10.01	ppb	#	86
93)	1,2,4-Trichlorobenzene	14.76	180	41616	11.65	ppb		93
94)	Hexachlorobutadiene	14.95	225	16368	10.22	ppb		97
95)	Naphthalene	15.03	128	181372	12.14	ppb		97
96)	1,2,3-Trichlorobenzene	15.30	182	35208	11.23	ppb		100

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

Data File : M:\LOKI\DATA\210712\0712L22.D Vial: 12
Acq On : 12 Jul 21 18:45 Operator:
Sample : (SS) 10ug/L VOC STD 7/12/21 Inst : Loki
Misc : IS&S: 10/21/20, 11/11/20 Multiplr: 1.00

Quant Time: Jul 16 10:56 2021 Quant Results File: L0712NEW.RES

Method : M:\LOKI\DATA\210712\L0712NEW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Jul 16 10:45:51 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: 07/14/21
Instrument: Loki
Initial Cal. Date: 07/12/21
Data File: 0714L29.D

		Compound	MEAN	CCRF	%D	%Drift		
1	I	Fluorobenzene (IS)	ISTD			I		
2	TMCL	Dichlorodifluoromethane	0.1210	0.1113	8.0	TMCL	11	
3	TM	Freon 114	0.1099	0.0849	23	TM		*NT
4	TMC**	Chloromethane	0.1588	0.1306	18	TMC**L	2.9	
5	TMC*	Vinyl chloride	0.1333	0.1304	2.2	TMC*		
6	TMCL	Bromomethane	0.1174	0.0994	15	TMCL	10	
7	TMC	Chloroethane	0.0834	0.0833	0.08	TMC		
8	TM	Dichlorofluoromethane	0.2226	0.2200	1.2	TM		
9	TMC	Trichlorofluoromethane	0.1062	0.0982	7.5	TMC		
10	TM	Acrolein	0.0143	0.0103	28	TM		*NT
11	TMCL	Acetone	0.0218	0.0214	2.0	TMCL	7.6	
12	TMC	Freon-113	0.1012	0.0820	19	TMC		
13	TMC*L	1,1-DCE	0.1750	0.1502	14	TMC*L	8.9	
14	TM	t-Butanol	0.0117	0.0107	8.4	TM		
15	TM	Acetonitrile	0.0165	0.0162	1.4	TM		
16	TMCL	Methyl Acetate	0.0974	0.0828	15	TMCL	4.9	
17	TML	Iodomethane	0.1010	0.0598	41	TML	31	*NT
18	TM	Acrylonitrile	0.0485	0.0409	16	TM		
19	TMCL	Methylene chloride	0.1590	0.1340	16	TMCL	5.0	
20	TMCL	Carbon disulfide	0.1921	0.1694	12	TMCL	7.4	
21	TMC	Methyl t-butyl ether (MtBE)	0.2855	0.2384	16	TMC		
22	TMCL	Trans-1,2-DCE	0.1720	0.1472	14	TMCL	5.9	
23	TM	Diisopropyl Ether	0.3282	0.2868	13	TM		
24	TMC**	1,1-DCA	0.2236	0.2084	6.8	TMC**L	1.1	
25	TML	Vinyl Acetate	0.0879	0.0628	29	TML	6.3	
26	TM	Ethyl tert Butyl Ether	0.1834	0.1477	19	TM		
27	TMC	MEK (2-Butanone)	0.0266	0.0261	1.6	TMC		
28	TMCL	Cis-1,2-DCE	0.2014	0.1705	15	TMCL	6.3	
29	TML	2,2-Dichloropropane	0.1916	0.1245	35	TML	25	*NT
30	TMC*L	Chloroform	0.2270	0.2181	3.9	TMC*L	2.6	
31	TML	Bromochloromethane	0.1012	0.0876	13	TML	2.8	
32	S	Dibromofluoromethane(S)	0.2680	0.2673	0.25	S		
33	TMC	1,1,1-TCA	0.1901	0.1689	11	TMC		
34	TMC	Cyclohexane	0.1599	0.1127	29	TMC		*NT
35	TML	1,1-Dichloropropene	0.1591	0.1191	25	TML	18	
36	TM	2,2,4-Trimethylpentane	0.1124	0.0760	32	TM		*NT
37	S	1,2-DCA-D4(S)	0.3000	0.2977	0.75	S		
38	TMC	Carbon Tetrachloride	0.1496	0.1280	14	TMC		
39	TML	Tert Amyl Methyl Ether	0.1521	0.1262	17	TML	22	*NT
40	TMCL	1,2-DCA	0.1810	0.1660	8.3	TMCL	1.5	
		Average			14.1			

VOLATILE ORGANIC ANALYSIS
VOLATILE ORGANIC COMPOUNDS

Form 7

Continuing Calibration

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

SDG No:
Date Analyzed: 07/14/21
Instrument: Loki
Cal. Date: 07/12/21
Data File: 0714L29.D

		Compound	MEAN	CCRF	%D		%Drift	
41	TMCL	Benzene	0.4988	0.4392	12	TMCL	5.8	
42	TMCL	TCE	0.1885	0.1331	29	TMCL	8.0	
43	TM	2-Pentanone	0.0785	0.0684	13	TM		
44	TMC*	1,2-Dichloropropane	0.1305	0.1252	4.0	TMC*		
45	TMCL	Bromodichloromethane	0.1734	0.1575	9.1	TMCL	3.8	
46	TMC	Methyl Cyclohexane	0.0789	0.0572	28	TMC		*NT
47	TML	Dibromomethane	0.1016	0.0905	11	TML	7.0	
48	TM	2-Chloroethyl vinyl ether	0.0000	0.0037	0.00	TM		
49	TMC	MIBK (methyl isobutyl ketone)	0.0510	0.0459	9.9	TMC		
50	TM	1-Bromo-2-chloroethane	0.0877	0.0888	1.2	TM		
51	TMCL	Cis-1,3-Dichloropropene	0.2063	0.1661	20	TMCL	14	
52	TMC*L	Toluene	0.5374	0.4629	14	TMC*L	7.7	
53	TMCL	Trans-1,3-Dichloropropene	0.1084	0.0858	21	TMCL	16	
54	TMCL	1,1,2-TCA	0.1259	0.1152	8.5	TMCL	0.17	
55	TMC	2-Hexanone	0.0306	0.0258	16	TMC		
56	I	Chlorobenzene-D5 (IS)	ISTD			I		
57	S	Toluene-D8(S)	1.275	1.258	1.3	S		
58	TMCL	1,2-EDB	0.1691	0.1483	12	TMCL	5.1	
59	TMCL	Tetrachloroethene	0.1200	0.0999	17	TMCL	9.5	
60	TML	1-Chlorohexane	0.1898	0.1333	30	TML	23	*NT
61	TML	1,1,1,2-Tetrachloroethane	0.1721	0.1580	8.2	TML	1.0	
62	TMCL	m&p-Xylene	0.5435	0.4401	19	TMCL	16	
63	TMC	o-Xylene	0.5643	0.4630	18	TMC		
64	TMCL	Styrene	0.4428	0.3577	19	TMCL	17	
65	S	4-Bromofluorobenzene(S)	0.4255	0.4068	4.4	S		
66	TM	1,3-Dichloropropane	0.2614	0.2364	9.6	TM		
67	TMC	Dibromochloromethane	0.1699	0.1587	6.6	TMC		
68	TMC**	Chlorobenzene	0.4718	0.4213	11	TMC**L	4.9	
69	TMC*	Ethylbenzene	0.3911	0.3406	13	TMC*		
70	TMC**	Bromoform	0.1292	0.1183	8.5	TMC**		
71	I	1,4-Dichlorobenzene-D4 (IS)	ISTD			I		
72	TMC	Isopropylbenzene	1.143	0.9435	17	TMC		
73	TMC**	1,1,2,2-Tetrachloroethane	0.3315	0.3040	8.3	TMC**		
74	TM	1,2,3-Trichloropropane	0.1125	0.1100	2.2	TM		
75	TM	t-1,4-Dichloro-2-Butene	0.0593	0.0466	21	TM		*NT
76	TM	Bromobenzene	0.3451	0.3160	8.4	TM		
77	TM	n-Propylbenzene	1.315	1.116	15	TM		
78	TM	4-Ethyltoluene	0.9624	0.8384	13	TM		
79	TM	2-Chlorotoluene	0.9514	0.8576	9.9	TM		
80	TM	1,3,5-Trimethylbenzene	0.9913	0.7878	21	TM		*NT
		Average			12.9			

VOLATILE ORGANIC ANALYSIS
VOLATILE ORGANIC COMPOUNDS

Form 7

Continuing Calibration

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

SDG No:
Date Analyzed: 07/14/21
Instrument: Loki
Cal. Date: 07/12/21
Data File: 0714L29.D

		Compound	MEAN	CCRF	%D		%Drift	
81	TM	4-Chlorotoluene	0.9514	0.8576	9.9	TM		
82	TM	Tert-Butylbenzene	0.8412	0.7024	16	TM		
83	TML	1,2,4-Trimethylbenzene	1.067	0.7878	26	TML	19	
84	TM	Sec-Butylbenzene	1.186	0.9357	21	TM		*NT
85	TM	p-Isopropyltoluene	1.048	0.8137	22	TM		*NT
86	TML	Benzyl Chloride	0.3866	0.2008	48	TML	39	*NT
87	TMC	1,3-DCB	0.6619	0.6051	8.6	TMC		
88	TMC	1,4-DCB	0.6574	0.5887	10	TMC		
89	TML	n-Butylbenzene	1.009	0.6762	33	TML	22	*NT
90	TMCL	1,2-DCB	0.7475	0.6283	16	TMCL	3.9	
91	TM	Hexachloroethane	0.1746	0.1639	6.1	TM		
92	TMCL	1,2-Dibromo-3-chloropropane	0.0819	0.0615	25	TMCL	19	
93	TMCL	1,2,4-Trichlorobenzene	0.2714	0.1569	42	TMCL	26	*NT
94	TML	Hexachlorobutadiene	0.1101	0.0853	23	TML	11	
95	TML	Naphthalene	0.9787	0.5963	39	TML	29	*NT
96	TML	1,2,3-Trichlorobenzene	0.2329	0.1515	35	TML	19	
97								
98								
99								
100								
101								
102								
103								
104								
105								
106								
107								
108								
109								
110								
111								
112								
113								
114								
115								
116								
117								
118								
119								
120								
		Average			23.8			

Quantitation Report (Not Reviewed)

Data File : M:\LOKI\DATA\210712\0714L29.D Vial: 29
Acq On : 14 Jul 21 23:01 Operator:
Sample : 210714B CCV 10ug/L Inst : Loki
Misc : IS&S: 10/21/20, 11/11/20 Multiplr: 1.00

Quant Time: Jul 16 10:59 2021 Quant Results File: L0712NEW.RES

Quant Method : M:\LOKI\DATA\210712\L0712NEW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Jul 16 10:45:51 2021
Response via : Initial Calibration
DataAcq Meth : 070721_L8260

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene (IS)	6.53	96	751443	25.00	ppb		0.00
56) Chlorobenzene-D5 (IS)	9.99	117	574962	25.00	ppb		0.00
71) 1,4-Dichlorobenzene-D4 (IS	12.55	152	323843	25.00	ppb		0.00
System Monitoring Compounds							
32) Dibromofluoromethane(S)	5.69	113	200861	24.94	ppb		0.00
Spiked Amount 25.000			Recovery = 99.748%				
37) 1,2-DCA-D4(S)	6.10	65	223725	24.81	ppb		0.00
Spiked Amount 25.000			Recovery = 99.252%				
57) Toluene-D8(S)	8.39	98	723404	24.67	ppb		0.00
Spiked Amount 25.000			Recovery = 98.680%				
65) 4-Bromofluorobenzene(S)	11.29	174	233922	23.90	ppb		0.00
Spiked Amount 25.000			Recovery = 95.612%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.15	85	33448	8.92	ppb		94
3) Freon 114	1.26	85	25529	7.73	ppb		99
4) Chloromethane	1.30	50	39241	9.71	ppb		97
5) Vinyl chloride	1.40	62	39202	9.78	ppb		98
6) Bromomethane	1.67	96	29885	8.95	ppb		96
7) Chloroethane	1.77	64	25034	9.99	ppb		94
8) Dichlorofluoromethane	1.97	67	66123	9.88	ppb		100
9) Trichlorofluoromethane	2.02	101	29528	9.25	ppb		98
10) Acrolein	2.45	56	38728	89.91	ppb		93
11) Acetone	2.63	43	32166	53.79	ppb		100
12) Freon-113	2.56	101	24642	8.10	ppb		98
13) 1,1-DCE	2.54	61	45134	9.11	ppb		91
14) t-Butanol	3.39	59	40274	114.45	ppb		97
15) Acetonitrile	2.94	41	61019	123.22	ppb		97
16) Methyl Acetate	3.03	43	24895	9.51	ppb		92
17) Iodomethane	2.69	142	17960	6.92	ppb		97
18) Acrylonitrile	3.48	53	12298	8.44	ppb	#	82
19) Methylene chloride	3.13	84	40274	10.50	ppb		96
20) Carbon disulfide	2.75	76	50928	9.26	ppb		99
21) Methyl t-butyl ether (MtBE	3.54	73	71668	8.35	ppb		97
22) Trans-1,2-DCE	3.50	61	44257	9.41	ppb		99
23) Diisopropyl Ether	4.34	45	86199	8.74	ppb		100
24) 1,1-DCA	4.15	63	62631	10.11	ppb		99
25) Vinyl Acetate	4.34	43	18864	9.37	ppb	#	98
26) Ethyl tert Butyl Ether	4.88	59	44400	8.06	ppb		95
27) MEK (2-Butanone)	5.09	43	39297	49.21	ppb		97
28) Cis-1,2-DCE	5.02	61	51243	9.37	ppb		93
29) 2,2-Dichloropropane	5.00	77	37409	7.47	ppb		96
30) Chloroform	5.48	83	65552	10.26	ppb		98
31) Bromochloromethane	5.33	130	26343	9.72	ppb		97
33) 1,1,1-TCA	5.68	97	50776	8.89	ppb		99
34) Cyclohexane	5.74	56	33880	7.05	ppb		95
35) 1,1-Dichloropropene	5.90	75	35803	8.22	ppb		97
36) 2,2,4-Trimethylpentane	6.31	57	22840	6.76	ppb		99
38) Carbon Tetrachloride	5.89	119	38468	8.56	ppb		95
39) Tert Amyl Methyl Ether	6.37	73	37926	7.75	ppb		92
40) 1,2-DCA	6.20	62	49903	9.85	ppb		97
41) Benzene	6.16	78	132012	9.42	ppb		98
42) TCE	6.97	130	39997	9.20	ppb		97

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

Quantitation Report (Not Reviewed)

Data File : M:\LOKI\DATA\210712\0714L29.D Vial: 29
Acq On : 14 Jul 21 23:01 Operator:
Sample : 210714B CCV 10ug/L Inst : Loki
Misc : IS&S: 10/21/20, 11/11/20 Multiplr: 1.00

Quant Time: Jul 16 10:59 2021 Quant Results File: L0712NEW.RES

Quant Method : M:\LOKI\DATA\210712\L0712NEW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Jul 16 10:45:51 2021
Response via : Initial Calibration
DataAcq Meth : 070721_L8260

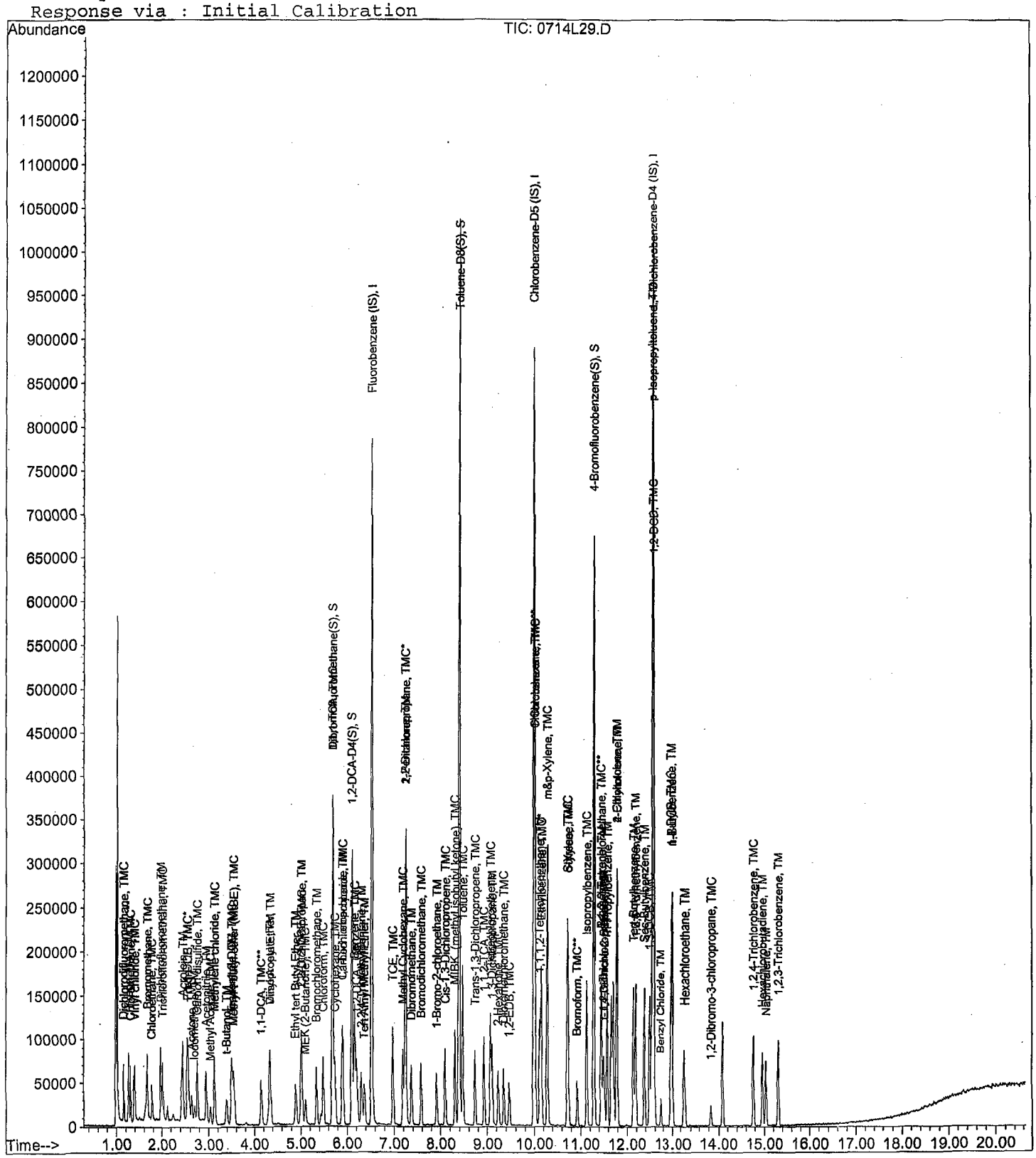
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
43) 2-Pentanone	7.24	43	257165	108.95	ppb	99
44) 1,2-Dichloropropane	7.24	63	37627	9.60	ppb	91
45) Bromodichloromethane	7.58	83	47346	9.62	ppb	94
46) Methyl Cyclohexane	7.19	98	17179	7.24	ppb	86
47) Dibromomethane	7.37	174	27208	9.30	ppb	94
49) MIBK (methyl isobutyl ket	8.30	43	69033	45.06	ppb	99
50) 1-Bromo-2-chloroethane	7.91	63	26688	10.12	ppb	92
51) Cis-1,3-Dichloropropene	8.09	75	49923	8.58	ppb	98
52) Toluene	8.46	91	139137	9.23	ppb	91
53) Trans-1,3-Dichloropropene	8.73	75	25784	8.44	ppb	95
54) 1,1,2-TCA	8.93	97	34635	9.98	ppb	95
55) 2-Hexanone	9.24	43	38729	42.10	ppb	96
58) 1,2-EDB	9.46	107	34101	9.49	ppb	97
59) Tetrachloroethene	9.07	166	22968	9.05	ppb	90
60) 1-Chlorohexane	10.02	91	30655	7.67	ppb	93
61) 1,1,1,2-Tetrachloroethane	10.12	131	36334	9.90	ppb	100
62) m&p-Xylene	10.28	91	202452	16.75	ppb	98
63) o-Xylene	10.71	91	106483	8.21	ppb	95
64) Styrene	10.73	104	82264	8.27	ppb	91
66) 1,3-Dichloropropane	9.11	76	54376	9.04	ppb	96
67) Dibromochloromethane	9.35	129	36501	9.34	ppb	100
68) Chlorobenzene	10.02	112	96883	9.51	ppb	98
69) Ethylbenzene	10.15	91	78344	8.71	ppb	100
70) Bromoform	10.92	173	27199	9.15	ppb	99
72) Isopropylbenzene	11.13	105	122213	8.26	ppb	96
73) 1,1,2,2-Tetrachloroethane	11.45	83	39381	9.17	ppb	94
74) 1,2,3-Trichloropropane	11.50	110	14249	9.78	ppb	94
75) t-1,4-Dichloro-2-Butene	11.51	53	6030	7.85	ppb	96
76) Bromobenzene	11.44	158	40931	9.16	ppb	98
77) n-Propylbenzene	11.58	91	144520	8.48	ppb	98
78) 4-Ethyltoluene	11.77	105	108610	8.71	ppb	95
79) 2-Chlorotoluene	11.78	91	111097	9.01	ppb	99
80) 1,3,5-Trimethylbenzene	12.18	105	102043	7.95	ppb	90
81) 4-Chlorotoluene	11.78	91	111097	9.01	ppb	99
82) Tert-Butylbenzene	12.13	119	90990	8.35	ppb	97
83) 1,2,4-Trimethylbenzene	12.18	105	102043	8.07	ppb	90
84) Sec-Butylbenzene	12.37	105	121214	7.89	ppb	95
85) p-Isopropyltoluene	12.53	119	105408	7.76	ppb	99
86) Benzyl Chloride	12.73	91	26009	6.13	ppb	99
87) 1,3-DCB	12.48	146	78381	9.14	ppb	95
88) 1,4-DCB	12.99	146	76253	8.95	ppb	96
89) n-Butylbenzene	12.98	91	87587	7.82	ppb	98
90) 1,2-DCB	12.58	146	81388	9.61	ppb	99
91) Hexachloroethane	13.27	117	21228	9.39	ppb	91
92) 1,2-Dibromo-3-chloropropan	13.84	157	7964	8.15	ppb	95
93) 1,2,4-Trichlorobenzene	14.76	180	20328	7.40	ppb	98
94) Hexachlorobutadiene	14.95	225	11048	8.85	ppb	93
95) Naphthalene	15.03	128	77238	7.12	ppb	96
96) 1,2,3-Trichlorobenzene	15.30	182	19624	8.11	ppb	95

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

Data File : M:\LOKI\DATA\210712\0714L29.D Vial: 29
Acq On : 14 Jul 21 23:01 Operator:
Sample : 210714B CCV 10ug/L Inst : Loki
Misc : IS&S: 10/21/20, 11/11/20 Multiplr: 1.00

Quant Time: Jul 16 10:59 2021 Quant Results File: L0712NEW.RES

Method : M:\LOKI\DATA\210712\L0712NEW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Jul 16 10:45:51 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: 07/15/21
Instrument: Loki
Initial Cal. Date: 07/12/21
Data File: 0714L43.D

		Compound	MEAN	CCRF	%D		%Drift
1	I	Fluorobenzene (IS)	ISTD			I	
2	TMCL	Dichlorodifluoromethane	0.1210	0.1193	1.4	TMCL	4.7
3	TM	Freon 114	0.1099	0.0883	20	TM	
4	TMC**	Chloromethane	0.1588	0.1289	19	TMC**L	4.1
5	TMC*	Vinyl chloride	0.1333	0.1275	4.4	TMC*	
6	TMCL	Bromomethane	0.1174	0.1067	9.1	TMCL	3.5
7	TMC	Chloroethane	0.0834	0.0867	4.1	TMC	
8	TM	Dichlorofluoromethane	0.2226	0.2216	0.47	TM	
9	TMC	Trichlorofluoromethane	0.1062	0.0975	8.2	TMC	
10	TM	Acrolein	0.0143	0.0096	33	TM	
11	TMCL	Acetone	0.0218	0.0207	5.4	TMCL	3.7
12	TMC	Freon-113	0.1012	0.0869	14	TMC	
13	TMC*L	1,1-DCE	0.1750	0.1580	9.8	TMC*L	4.3
14	TM	t-Butanol	0.0117	0.0108	7.5	TM	
15	TM	Acetonitrile	0.0165	0.0164	0.73	TM	
16	TMCL	Methyl Acetate	0.0974	0.0805	17	TMCL	7.5
17	TML	Iodomethane	0.1010	0.0622	38	TML	29
18	TM	Acrylonitrile	0.0485	0.0467	3.7	TM	
19	TMCL	Methylene chloride	0.1590	0.1348	15	TMCL	5.6
20	TMCL	Carbon disulfide	0.1921	0.1762	8.3	TMCL	3.6
21	TMC	Methyl t-butyl ether (MtBE)	0.2855	0.2458	14	TMC	
22	TMCL	Trans-1,2-DCE	0.1720	0.1492	13	TMCL	4.7
23	TM	Diisopropyl Ether	0.3282	0.2930	11	TM	
24	TMC**	1,1-DCA	0.2236	0.2151	3.8	TMC**L	4.3
25	TML	Vinyl Acetate	0.0879	0.0648	26	TML	3.2
26	TM	Ethyl tert Butyl Ether	0.1834	0.1456	21	TM	
27	TMC	MEK (2-Butanone)	0.0266	0.0270	1.5	TMC	
28	TMCL	Cis-1,2-DCE	0.2014	0.1628	19	TMCL	10
29	TML	2,2-Dichloropropane	0.1916	0.1056	45	TML	37
30	TMC*L	Chloroform	0.2270	0.2211	2.6	TMC*L	4.0
31	TML	Bromochloromethane	0.1012	0.0911	9.9	TML	1.2
32	S	Dibromofluoromethane(S)	0.2680	0.2689	0.36	S	
33	TMC	1,1,1-TCA	0.1901	0.1795	5.6	TMC	
34	TMC	Cyclohexane	0.1599	0.1192	25	TMC	
35	TML	1,1-Dichloropropene	0.1591	0.1292	19	TML	11
36	TM	2,2,4-Trimethylpentane	0.1124	0.0721	36	TM	
37	S	1,2-DCA-D4(S)	0.3000	0.2986	0.46	S	
38	TMC	Carbon Tetrachloride	0.1496	0.1338	11	TMC	
39	TML	Tert Amyl Methyl Ether	0.1521	0.1255	17	TML	23
40	TMCL	1,2-DCA	0.1810	0.1642	9.2	TMCL	2.6
		Average			13.1		

VOLATILE ORGANIC ANALYSIS
VOLATILE ORGANIC COMPOUNDS

Form 7

Ending Continuing Calibration

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

SDG No:
Date Analyzed: 07/15/21
Instrument: Loki
Cal. Date: 07/12/21
Data File: 0714L43.D

		Compound	MEAN	CCRF	%D		%Drift
41	TMCL	Benzene	0.4988	0.4537	9.1	TMCL	2.7
42	TMCL	TCE	0.1885	0.1397	26	TMCL	3.4
43	TM	2-Pentanone	0.0785	0.0698	11	TM	
44	TMC*	1,2-Dichloropropane	0.1305	0.1216	6.8	TMC*	
45	TMCL	Bromodichloromethane	0.1734	0.1640	5.4	TMCL	0.08
46	TMC	Methyl Cyclohexane	0.0789	0.0569	28	TMC	
47	TML	Dibromomethane	0.1016	0.0894	12	TML	8.1
48	TM	2-Chloroethyl vinyl ether	0.0000	0.0035	0.00	TM	
49	TMC	MIBK (methyl isobutyl ketone)	0.0510	0.0468	8.2	TMC	
50	TM	1-Bromo-2-chloroethane	0.0877	0.0878	0.09	TM	
51	TMCL	Cis-1,3-Dichloropropene	0.2063	0.1635	21	TMCL	15
52	TMC*L	Toluene	0.5374	0.4820	10	TMC*L	4.0
53	TMCL	Trans-1,3-Dichloropropene	0.1084	0.0871	20	TMCL	14
54	TMCL	1,1,2-TCA	0.1259	0.1137	9.7	TMCL	1.4
55	TMC	2-Hexanone	0.0306	0.0266	13	TMC	
56	I	Chlorobenzene-D5 (IS)	ISTD			I	
57	S	Toluene-D8(S)	1.275	1.267	0.60	S	
58	TMCL	1,2-EDB	0.1691	0.1501	11	TMCL	4.0
59	TMCL	Tetrachloroethene	0.1200	0.1025	15	TMCL	7.2
60	TML	1-Chlorohexane	0.1898	0.1346	29	TML	23
61	TML	1,1,1,2-Tetrachloroethane	0.1721	0.1594	7.4	TML	0.13
62	TMCL	m&p-Xylene	0.5435	0.4466	18	TMCL	15
63	TMC	o-Xylene	0.5643	0.4667	17	TMC	
64	TMCL	Styrene	0.4428	0.3714	16	TMCL	15
65	S	4-Bromofluorobenzene(S)	0.4255	0.3944	7.3	S	
66	TM	1,3-Dichloropropane	0.2614	0.2395	8.4	TM	
67	TMC	Dibromochloromethane	0.1699	0.1601	5.8	TMC	
68	TMC**	Chlorobenzene	0.4718	0.4225	10	TMC**L	4.6
69	TMC*	Ethylbenzene	0.3911	0.3375	14	TMC*	
70	TMC**	Bromoform	0.1292	0.1148	11	TMC**	
71	I	1,4-Dichlorobenzene-D4 (IS)	ISTD			I	
72	TMC	Isopropylbenzene	1.143	0.9409	18	TMC	
73	TMC**	1,1,2,2-Tetrachloroethane	0.3315	0.2899	13	TMC**	
74	TM	1,2,3-Trichloropropane	0.1125	0.1081	3.9	TM	
75	TM	t-1,4-Dichloro-2-Butene	0.0593	0.0441	26	TM	
76	TM	Bromobenzene	0.3451	0.3106	10	TM	
77	TM	n-Propylbenzene	1.315	1.150	13	TM	
78	TM	4-Ethyltoluene	0.9624	0.8319	14	TM	
79	TM	2-Chlorotoluene	0.9514	0.8728	8.3	TM	
80	TM	1,3,5-Trimethylbenzene	0.9913	0.8045	19	TM	
		Average			12.5		

VOLATILE ORGANIC ANALYSIS
VOLATILE ORGANIC COMPOUNDS

Form 7

Ending Continuing Calibration

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

SDG No:
Date Analyzed: 07/15/21
Instrument: Loki
Cal. Date: 07/12/21
Data File: 0714L43.D

		Compound	MEAN	CCRF	%D		%Drift	
81	TM	4-Chlorotoluene	0.9514	0.8728	8.3	TM		
82	TM	Tert-Butylbenzene	0.8412	0.6831	19	TM		
83	TML	1,2,4-Trimethylbenzene	1.067	0.8045	25	TML	18	
84	TM	Sec-Butylbenzene	1.186	0.9553	19	TM		
85	TM	p-Isopropyltoluene	1.048	0.8263	21	TM		
86	TML	Benzyl Chloride	0.3866	0.1514	61	TML	53	*NT
87	TMC	1,3-DCB	0.6619	0.5883	11	TMC		
88	TMC	1,4-DCB	0.6574	0.5795	12	TMC		
89	TML	n-Butylbenzene	1.009	0.6852	32	TML	21	
90	TMCL	1,2-DCB	0.7475	0.6353	15	TMCL	2.9	
91	TM	Hexachloroethane	0.1746	0.1632	6.5	TM		
92	TMCL	1,2-Dibromo-3-chloropropane	0.0819	0.0669	18	TMCL	12	
93	TMCL	1,2,4-Trichlorobenzene	0.2714	0.1641	40	TMCL	23	
94	TML	Hexachlorobutadiene	0.1101	0.0768	30	TML	20	
95	TML	Naphthalene	0.9787	0.6221	36	TML	26	
96	TML	1,2,3-Trichlorobenzene	0.2329	0.1369	41	TML	26	
97								
98								
99								
100								
101								
102								
103								
104								
105								
106								
107								
108								
109								
110								
111								
112								
113								
114								
115								
116								
117								
118								
119								
120								
		Average			24.7			

Quantitation Report (Not Reviewed)

Data File : M:\LOKI\DATA\210712\0714L43.D Vial: 43
Acq On : 15 Jul 21 5:26 Operator:
Sample : Ending CCV 10ug/L 7/14/21 Inst : Loki
Misc : IS&S: 10/21/20, 11/11/20 Multiplr: 1.00

Quant Time: Jul 16 10:59 2021 Quant Results File: L0712NEW.RES

Quant Method : M:\LOKI\DATA\210712\L0712NEW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Jul 16 10:45:51 2021
Response via : Initial Calibration
DataAcq Meth : 070721_L8260

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene (IS)	6.53	96	736537	25.00	ppb		0.00
56) Chlorobenzene-D5 (IS)	9.99	117	568702	25.00	ppb		0.00
71) 1,4-Dichlorobenzene-D4 (IS	12.56	152	318512	25.00	ppb		0.00
System Monitoring Compounds							
32) Dibromofluoromethane(S)	5.69	113	198074	25.09	ppb		0.00
Spiked Amount 25.000			Recovery =	100.356%			
37) 1,2-DCA-D4(S)	6.10	65	219922	24.89	ppb		0.00
Spiked Amount 25.000			Recovery =	99.540%			
57) Toluene-D8(S)	8.39	98	720736	24.85	ppb		0.00
Spiked Amount 25.000			Recovery =	99.400%			
65) 4-Bromofluorobenzene(S)	11.29	174	224310	23.17	ppb		0.00
Spiked Amount 25.000			Recovery =	92.692%			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.15	85	35150	9.53	ppb		100
3) Freon 114	1.26	85	26007	8.03	ppb		99
4) Chloromethane	1.30	50	37978	9.59	ppb		93
5) Vinyl chloride	1.40	62	37560	9.56	ppb		97
6) Bromomethane	1.67	96	31446	9.65	ppb		93
7) Chloroethane	1.77	64	25553	10.41	ppb		97
8) Dichlorofluoromethane	1.97	67	65284	9.95	ppb		97
9) Trichlorofluoromethane	2.02	101	28728	9.18	ppb		86
10) Acrolein	2.45	56	35272	83.54	ppb		96
11) Acetone	2.63	43	30423	51.83	ppb		97
12) Freon-113	2.56	101	25615	8.59	ppb		96
13) 1,1-DCE	2.54	61	46538	9.57	ppb		96
14) t-Butanol	3.38	59	39867	115.58	ppb		97
15) Acetonitrile	2.95	41	60232	124.09	ppb		98
16) Methyl Acetate	3.04	43	23716	9.25	ppb		97
17) Iodomethane	2.69	142	18314	7.11	ppb		98
18) Acrylonitrile	3.48	53	13745	9.63	ppb		90
19) Methylene chloride	3.13	84	39705	10.56	ppb		95
20) Carbon disulfide	2.75	76	51912	9.64	ppb		100
21) Methyl t-butyl ether (MtBE	3.54	73	72418	8.61	ppb		97
22) Trans-1,2-DCE	3.50	61	43947	9.53	ppb		91
23) Diisopropyl Ether	4.34	45	86311	8.93	ppb		99
24) 1,1-DCA	4.15	63	63384	10.43	ppb		96
25) Vinyl Acetate	4.34	43	19088	9.68	ppb	#	98
26) Ethyl tert Butyl Ether	4.88	59	42907	7.94	ppb		91
27) MEK (2-Butanone)	5.09	43	39718	50.75	ppb		97
28) Cis-1,2-DCE	5.01	61	47975	8.96	ppb		95
29) 2,2-Dichloropropane	5.00	77	31122	6.31	ppb		98
30) Chloroform	5.48	83	65141	10.40	ppb		95
31) Bromochloromethane	5.34	130	26847	10.12	ppb		98
33) 1,1,1-TCA	5.68	97	52890	9.44	ppb		97
34) Cyclohexane	5.74	56	35117	7.46	ppb		98
35) 1,1-Dichloropropene	5.91	75	38078	8.89	ppb		91
36) 2,2,4-Trimethylpentane	6.30	57	21240	6.41	ppb		95
38) Carbon Tetrachloride	5.89	119	39410	8.94	ppb		99
39) Tert Amyl Methyl Ether	6.37	73	36968	7.71	ppb		95
40) 1,2-DCA	6.20	62	48382	9.74	ppb		99
41) Benzene	6.16	78	133658	9.73	ppb		97
42) TCE	6.97	130	41162	9.66	ppb		96

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

Quantitation Report (Not Reviewed)

Data File : M:\LOKI\DATA\210712\0714L43.D Vial: 43
Acq On : 15 Jul 21 5:26 Operator:
Sample : Ending CCV 10ug/L 7/14/21 Inst : Loki
Misc : IS&S: 10/21/20, 11/11/20 Multiplr: 1.00

Quant Time: Jul 16 10:59 2021 Quant Results File: L0712NEW.RES

Quant Method : M:\LOKI\DATA\210712\L0712NEW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Jul 16 10:45:51 2021
Response via : Initial Calibration
DataAcq Meth : 070721_L8260

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
43)	2-Pentanone	7.24	43	257179	111.16	ppb		97
44)	1,2-Dichloropropane	7.24	63	35819	9.32	ppb		97
45)	Bromodichloromethane	7.58	83	48329	10.01	ppb		96
46)	Methyl Cyclohexane	7.19	98	16771	7.21	ppb		98
47)	Dibromomethane	7.37	174	26338	9.19	ppb		91
49)	MIBK (methyl isobutyl ket	8.30	43	68889	45.88	ppb		97
50)	1-Bromo-2-chloroethane	7.91	63	25864	10.01	ppb		97
51)	Cis-1,3-Dichloropropene	8.10	75	48165	8.45	ppb		96
52)	Toluene	8.46	91	142001	9.60	ppb		93
53)	Trans-1,3-Dichloropropene	8.73	75	25672	8.57	ppb		97
54)	1,1,2-TCA	8.93	97	33510	9.86	ppb		97
55)	2-Hexanone	9.23	43	39142	43.41	ppb		94
58)	1,2-EDB	9.46	107	34137	9.60	ppb		100
59)	Tetrachloroethene	9.07	166	23328	9.28	ppb		95
60)	1-Chlorohexane	10.02	91	30623	7.74	ppb		91
61)	1,1,1,2-Tetrachloroethane	10.12	131	36271	9.99	ppb		100
62)	m&p-Xylene	10.28	91	203174	16.97	ppb		99
63)	o-Xylene	10.71	91	106166	8.27	ppb		98
64)	Styrene	10.73	104	84496	8.54	ppb		99
66)	1,3-Dichloropropane	9.11	76	54484	9.16	ppb		96
67)	Dibromochloromethane	9.35	129	36419	9.42	ppb		98
68)	Chlorobenzene	10.02	112	96108	9.54	ppb		98
69)	Ethylbenzene	10.15	91	76776	8.63	ppb		99
70)	Bromoform	10.92	173	26118	8.89	ppb		95
72)	Isopropylbenzene	11.13	105	119876	8.23	ppb		97
73)	1,1,2,2-Tetrachloroethane	11.45	83	36941	8.75	ppb		91
74)	1,2,3-Trichloropropane	11.50	110	13772	9.61	ppb		90
75)	t-1,4-Dichloro-2-Butene	11.52	53	5623	7.44	ppb		80
76)	Bromobenzene	11.44	158	39567	9.00	ppb		94
77)	n-Propylbenzene	11.58	91	146569	8.75	ppb		97
78)	4-Ethyltoluene	11.77	105	105994	8.64	ppb		99
79)	2-Chlorotoluene	11.78	91	111195	9.17	ppb		99
80)	1,3,5-Trimethylbenzene	12.18	105	102502	8.12	ppb		99
81)	4-Chlorotoluene	11.78	91	111195	9.17	ppb		99
82)	Tert-Butylbenzene	12.13	119	87026	8.12	ppb		95
83)	1,2,4-Trimethylbenzene	12.18	105	102502	8.23	ppb		99
84)	Sec-Butylbenzene	12.37	105	121715	8.05	ppb		96
85)	p-Isopropyltoluene	12.53	119	105270	7.88	ppb		98
86)	Benzyl Chloride	12.73	91	19290	4.71	ppb		95
87)	1,3-DCB	12.48	146	74947	8.89	ppb		93
88)	1,4-DCB	12.99	146	73834	8.82	ppb		96
89)	n-Butylbenzene	12.98	91	87295	7.92	ppb		98
90)	1,2-DCB	12.58	146	80936	9.71	ppb		98
91)	Hexachloroethane	13.27	117	20798	9.35	ppb		88
92)	1,2-Dibromo-3-chloropropan	13.84	157	8522	8.82	ppb	#	89
93)	1,2,4-Trichlorobenzene	14.76	180	20904	7.72	ppb		98
94)	Hexachlorobutadiene	14.95	225	9785	7.97	ppb		98
95)	Naphthalene	15.03	128	79264	7.38	ppb		95
96)	1,2,3-Trichlorobenzene	15.30	182	17440	7.36	ppb		99

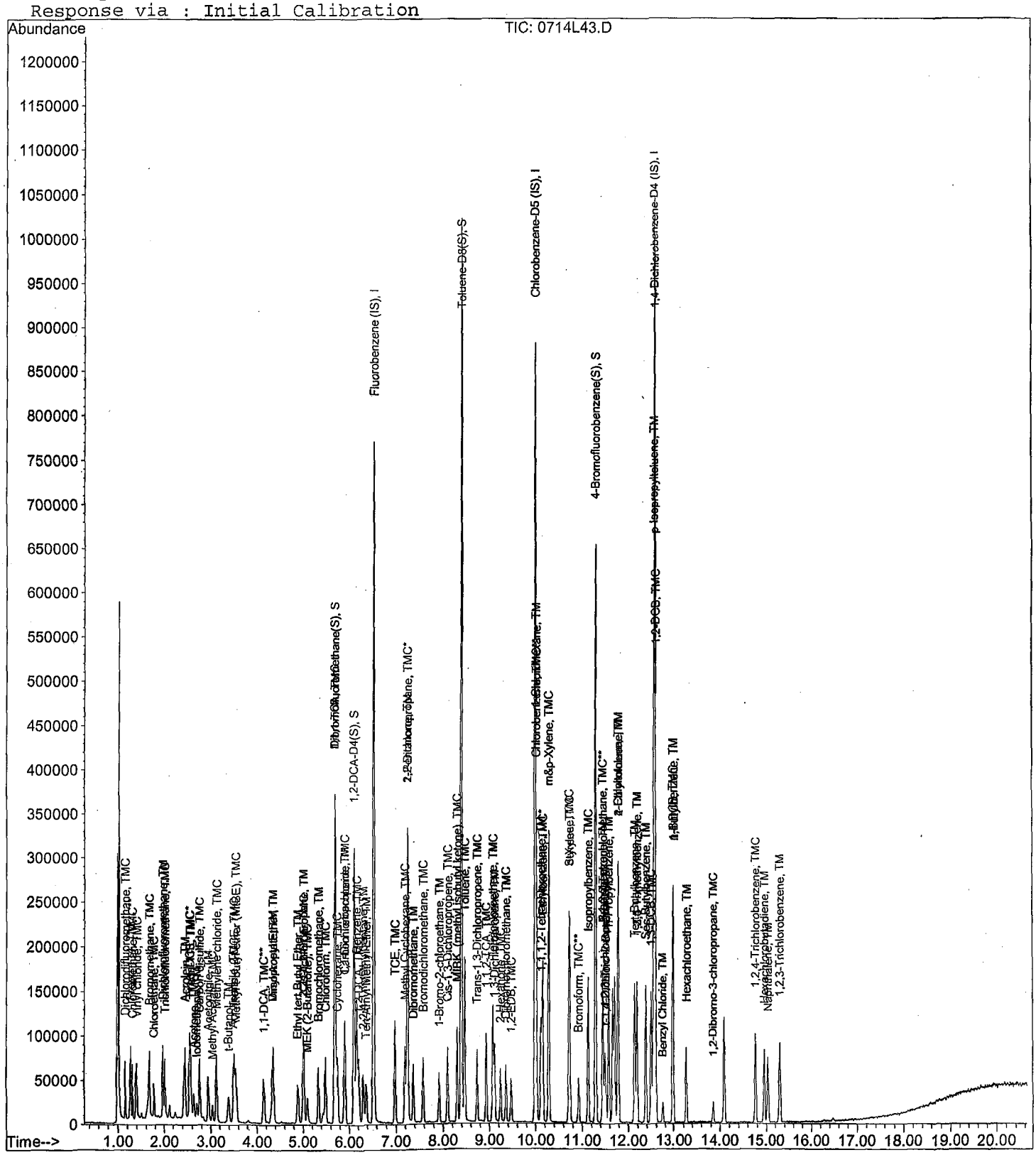
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\LOKI\DATA\210712\0714L43.D Vial: 43
Acq On : 15 Jul 21 5:26 Operator:
Sample : Ending CCV 10ug/L 7/14/21 Inst : Loki
Misc : IS&S: 10/21/20, 11/11/20 Multiplr: 1.00

Quant Time: Jul 16 10:59 2021 Quant Results File: L0712NEW.RES

Method : M:\LOKI\DATA\210712\L0712NEW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Jul 16 10:45:51 2021
Response via : Initial Calibration



ORGANICS
Raw Data

Quantitation Report (QT Reviewed)

Data File : M:\LOKI\DATA\210712\0714L36.D Vial: 36
Acq On : 15 Jul 21 2:14 Operator:
Sample : BA35744W01 Inst : Loki
Misc : IS&S: 10/21/20, 11/11/20 Multiplr: 1.00

Quant Time: Jul 28 10:07 2021 Quant Results File: L0712NEW.RES

Quant Method : M:\LOKI\DATA\210712\L0712NEW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Jul 16 10:45:51 2021
Response via : Initial Calibration
DataAcq Meth : 070721_L8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.53	96	718614	25.00	ppb	0.00
56) Chlorobenzene-D5 (IS)	9.99	117	558534	25.00	ppb	0.00
71) 1,4-Dichlorobenzene-D4 (IS	12.56	152	279275	25.00	ppb	0.00
System Monitoring Compounds						
32) Dibromofluoromethane(S)	5.69	113	197362	25.62	ppb	0.00
Spiked Amount 25.000			Recovery =	102.488%		
37) 1,2-DCA-D4(S)	6.10	65	223336	25.90	ppb	0.00
Spiked Amount 25.000			Recovery =	103.608%		
57) Toluene-D8(S)	8.39	98	679430	23.85	ppb	0.00
Spiked Amount 25.000			Recovery =	95.408%		
65) 4-Bromofluorobenzene(S)	11.29	174	206303	21.70	ppb	0.00
Spiked Amount 25.000			Recovery =	86.804%		

Target Compounds Qvalue

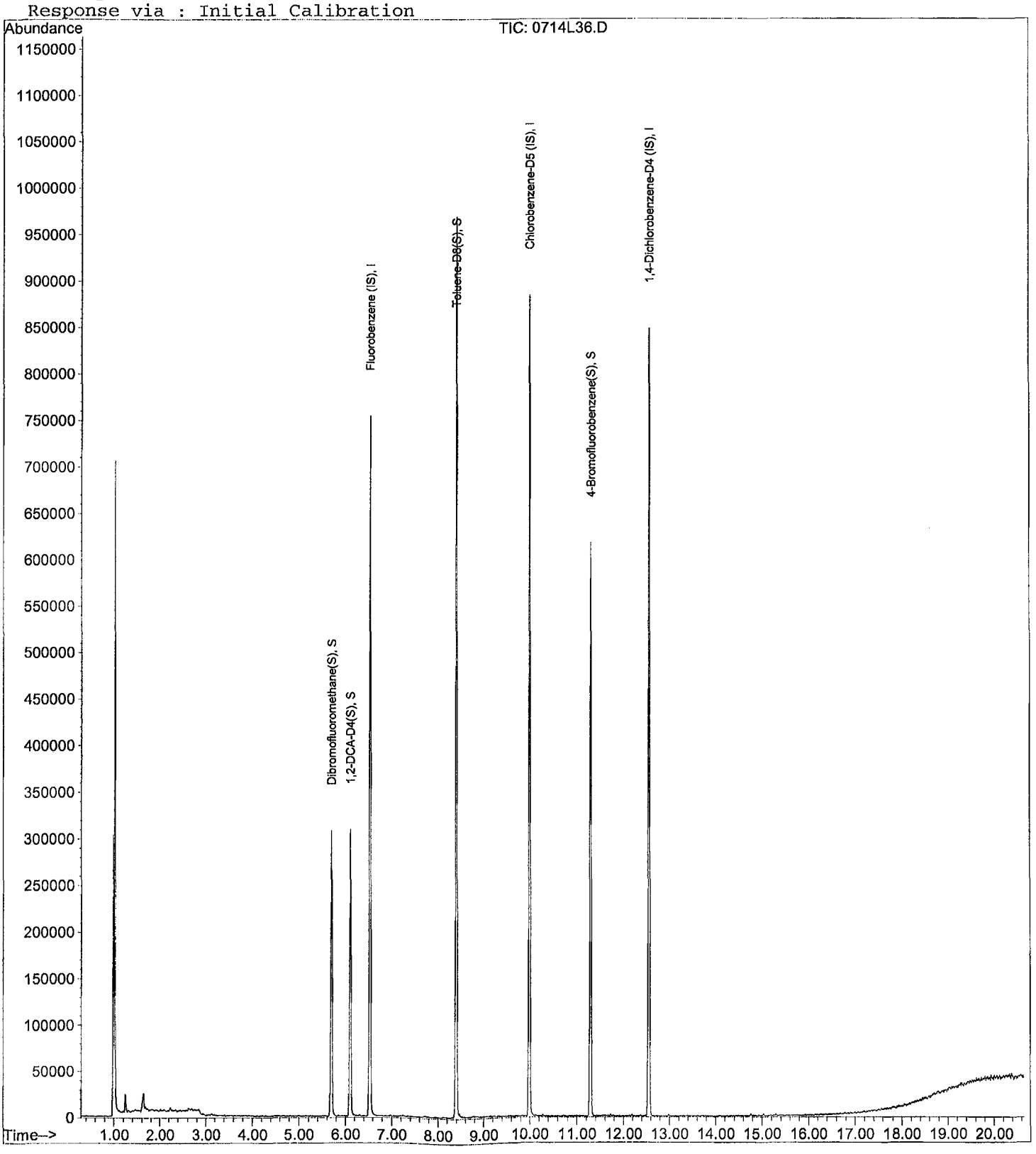
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\LOKI\DATA\210712\0714L36.D Vial: 36
Acq On : 15 Jul 21 2:14 Operator:
Sample : BA35744W01 Inst : Loki
Misc : IS&S: 10/21/20, 11/11/20 Multiplr: 1.00

Quant Time: Jul 28 10:07 2021 Quant Results File: L0712NEW.RES

Method : M:\LOKI\DATA\210712\L0712NEW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Jul 16 10:45:51 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\LOKI\DATA\210712\0714L37.D Vial: 37
Acq On : 15 Jul 21 2:42 Operator:
Sample : BA35745W01 Inst : Loki
Misc : IS&S: 10/21/20, 11/11/20 Multiplr: 1.00

Quant Time: Jul 28 10:10 2021 Quant Results File: L0712NEW.RES

Quant Method : M:\LOKI\DATA\210712\L0712NEW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Jul 16 10:45:51 2021
Response via : Initial Calibration
DataAcq Meth : 070721_L8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.53	96	688948	25.00	ppb	0.00
56) Chlorobenzene-D5 (IS)	9.99	117	539802	25.00	ppb	0.00
71) 1,4-Dichlorobenzene-D4 (IS	12.55	152	269880	25.00	ppb	0.00
System Monitoring Compounds						
32) Dibromofluoromethane(S)	5.69	113	187424	25.38	ppb	0.00
Spiked Amount 25.000			Recovery = 101.520%			
37) 1,2-DCA-D4(S)	6.10	65	212094	25.66	ppb	0.00
Spiked Amount 25.000			Recovery = 102.628%			
57) Toluene-D8(S)	8.39	98	647779	23.53	ppb	0.00
Spiked Amount 25.000			Recovery = 94.120%			
65) 4-Bromofluorobenzene(S)	11.29	174	195065	21.23	ppb	0.00
Spiked Amount 25.000			Recovery = 84.924%			

Target Compounds Qvalue

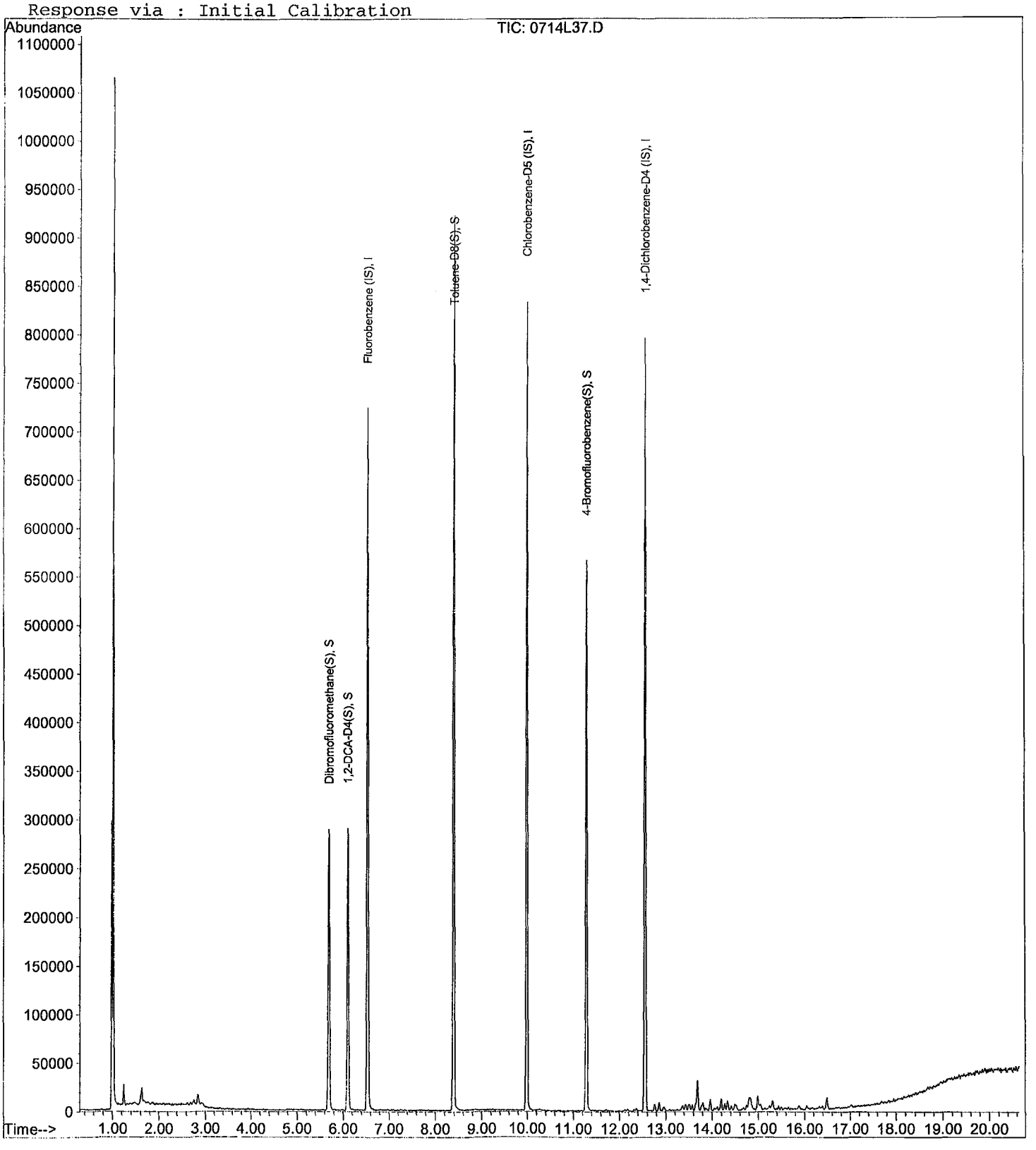
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\LOKI\DATA\210712\0714L37.D Vial: 37
Acq On : 15 Jul 21 2:42 Operator:
Sample : BA35745W01 Inst : Loki
Misc : IS&S: 10/21/20, 11/11/20 Multiplr: 1.00

Quant Time: Jul 28 10:10 2021 Quant Results File: L0712NEW.RES

Method : M:\LOKI\DATA\210712\L0712NEW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Jul 16 10:45:51 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\LOKI\DATA\210712\0714L38.D Vial: 38
Acq On : 15 Jul 21 3:09 Operator:
Sample : BA35747W01 Inst : Loki
Misc : IS&S: 10/21/20, 11/11/20 Multiplr: 1.00

Quant Time: Jul 28 10:13 2021 Quant Results File: L0712NEW.RES

Quant Method : M:\LOKI\DATA\210712\L0712NEW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Jul 16 10:45:51 2021
Response via : Initial Calibration
DataAcq Meth : 070721_L8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.53	96	692566	25.00	ppb	0.00
56) Chlorobenzene-D5 (IS)	9.99	117	534580	25.00	ppb	0.00
71) 1,4-Dichlorobenzene-D4 (IS	12.56	152	272393	25.00	ppb	0.00
System Monitoring Compounds						
32) Dibromofluoromethane(S)	5.69	113	190570	25.67	ppb	0.00
Spiked Amount 25.000			Recovery = 102.684%			
37) 1,2-DCA-D4(S)	6.10	65	215200	25.90	ppb	0.00
Spiked Amount 25.000			Recovery = 103.588%			
57) Toluene-D8(S)	8.39	98	658313	24.15	ppb	0.00
Spiked Amount 25.000			Recovery = 96.584%			
65) 4-Bromofluorobenzene(S)	11.29	174	203894	22.41	ppb	0.00
Spiked Amount 25.000			Recovery = 89.632%			

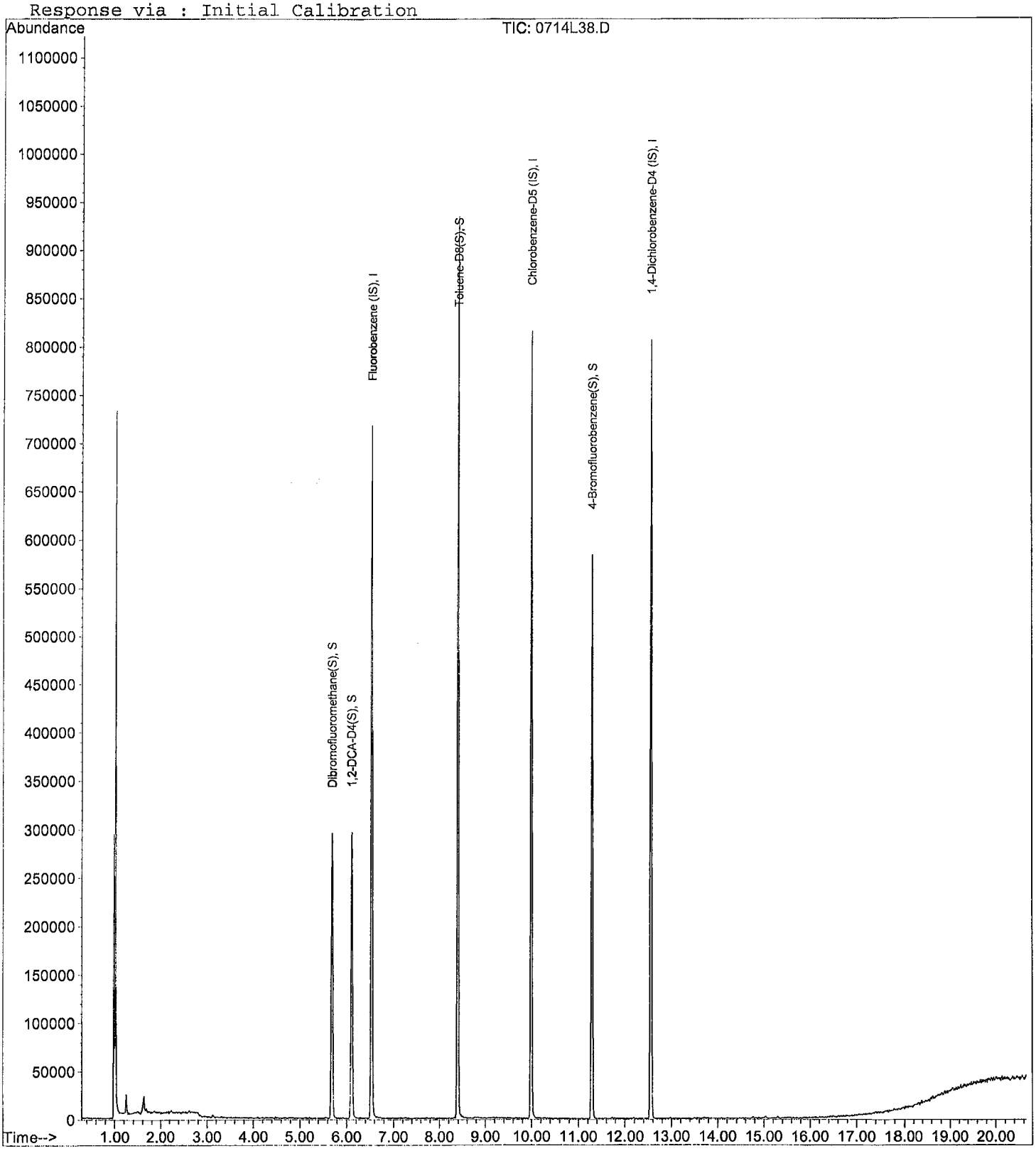
Target Compounds Qvalue

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

Data File : M:\LOKI\DATA\210712\0714L38.D Vial: 38
Acq On : 15 Jul 21 3:09 Operator:
Sample : BA35747W01 Inst : Loki
Misc : IS&S: 10/21/20, 11/11/20 Multiplr: 1.00

Quant Time: Jul 28 10:13 2021 Quant Results File: L0712NEW.RES

Method : M:\LOKI\DATA\210712\L0712NEW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Jul 16 10:45:51 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\LOKI\DATA\210712\0714L39.D Vial: 39
Acq On : 15 Jul 21 3:37 Operator:
Sample : BA35748W01 Inst : Loki
Misc : IS&S: 10/21/20, 11/11/20 Multiplr: 1.00

Quant Time: Jul 28 10:18 2021 Quant Results File: L0712NEW.RES

Quant Method : M:\LOKI\DATA\210712\L0712NEW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Jul 16 10:45:51 2021
Response via : Initial Calibration
DataAcq Meth : 070721_L8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.53	96	711779	25.00	ppb	0.00
56) Chlorobenzene-D5 (IS)	9.99	117	553999	25.00	ppb	0.00
71) 1,4-Dichlorobenzene-D4 (IS	12.55	152	291102	25.00	ppb	0.00
System Monitoring Compounds						
32) Dibromofluoromethane(S)	5.69	113	198881	26.07	ppb	0.00
Spiked Amount 25.000			Recovery = 104.268%			
37) 1,2-DCA-D4(S)	6.10	65	219653	25.72	ppb	0.00
Spiked Amount 25.000			Recovery = 102.876%			
57) Toluene-D8(S)	8.39	98	684628	24.23	ppb	0.00
Spiked Amount 25.000			Recovery = 96.924%			
65) 4-Bromofluorobenzene(S)	11.29	174	214008	22.70	ppb	0.00
Spiked Amount 25.000			Recovery = 90.784%			
Target Compounds						Qvalue
72) Isopropylbenzene	11.13	105	27059	2.03	ppb	98
77) n-Propylbenzene	11.58	91	56651	3.70	ppb	94
82) Tert-Butylbenzene	12.13	119	5769	0.59	ppb	90
84) Sec-Butylbenzene	12.37	105	35212	2.55	ppb	100
89) n-Butylbenzene	12.98	91	32214	3.43	ppb	95
95) Naphthalene	15.03	128	529316	47.17	ppb	97

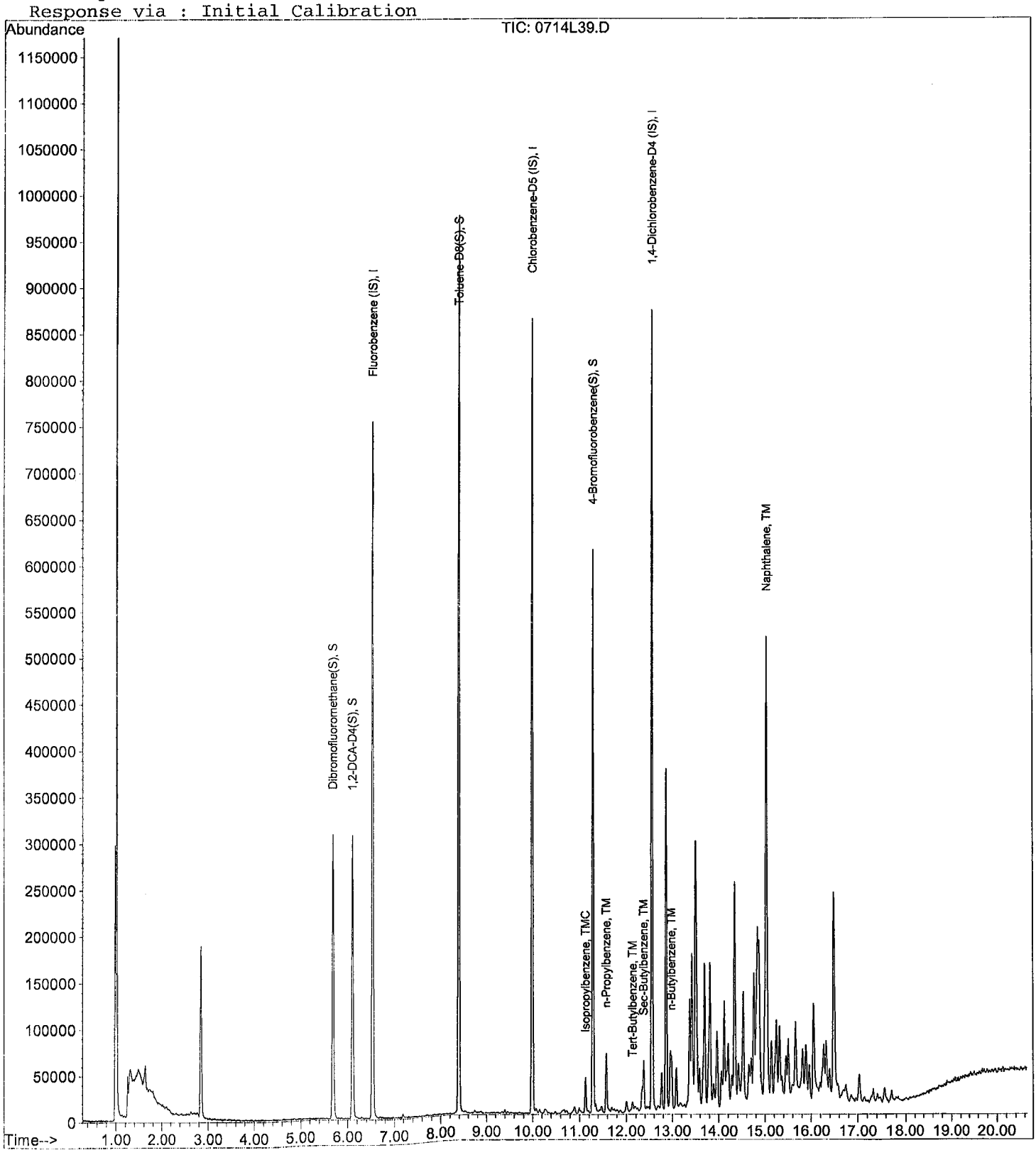
(#) = qualifier out of range (m) = manual integration

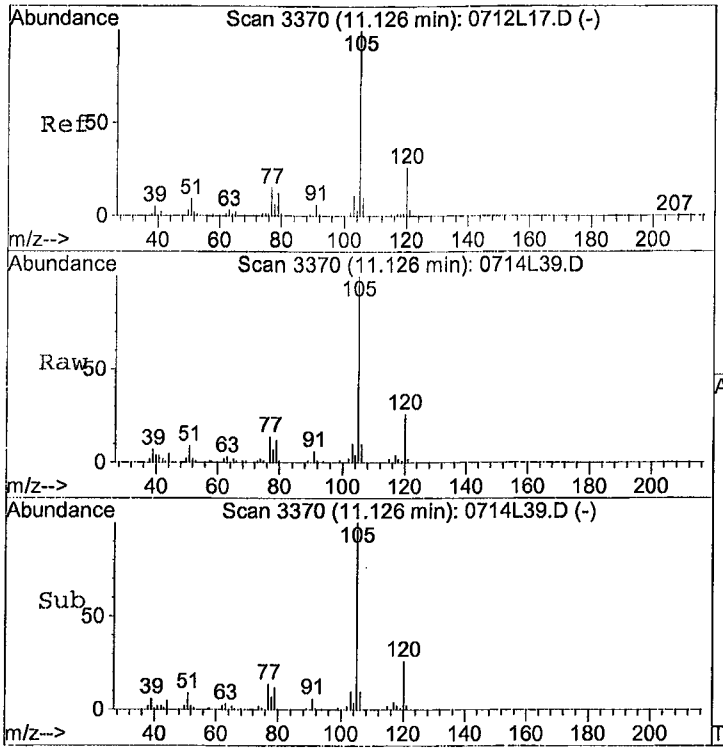
Quantitation Report

Data File : M:\LOKI\DATA\210712\0714L39.D Vial: 39
Acq On : 15 Jul 21 3:37 Operator:
Sample : BA35748W01 Inst : Loki
Misc : IS&S: 10/21/20, 11/11/20 Multiplr: 1.00

Quant Time: Jul 28 10:18 2021 Quant Results File: L0712NEW.RES

Method : M:\LOKI\DATA\210712\L0712NEW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Jul 16 10:45:51 2021
Response via : Initial Calibration

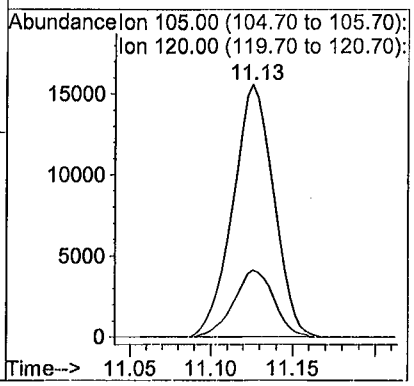


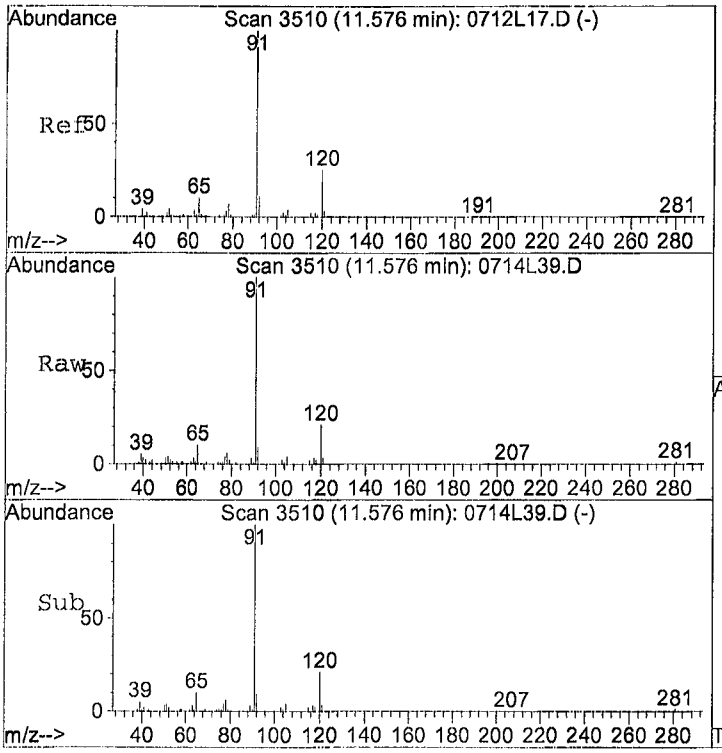


#72
Isopropylbenzene
Concen: 2.03 ppb
RT: 11.13 min Scan# 3370
Delta R.T. 0.00 min
Lab File: 0714L39.D
Acq: 15 Jul 21 3:37

Tgt Ion:105 Resp: 27059

Ion	Ratio	Lower	Upper
105	100		
120	26.5	20.4	30.6

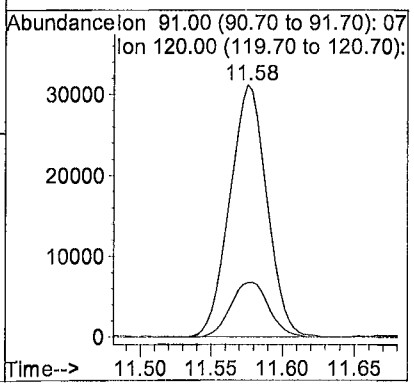


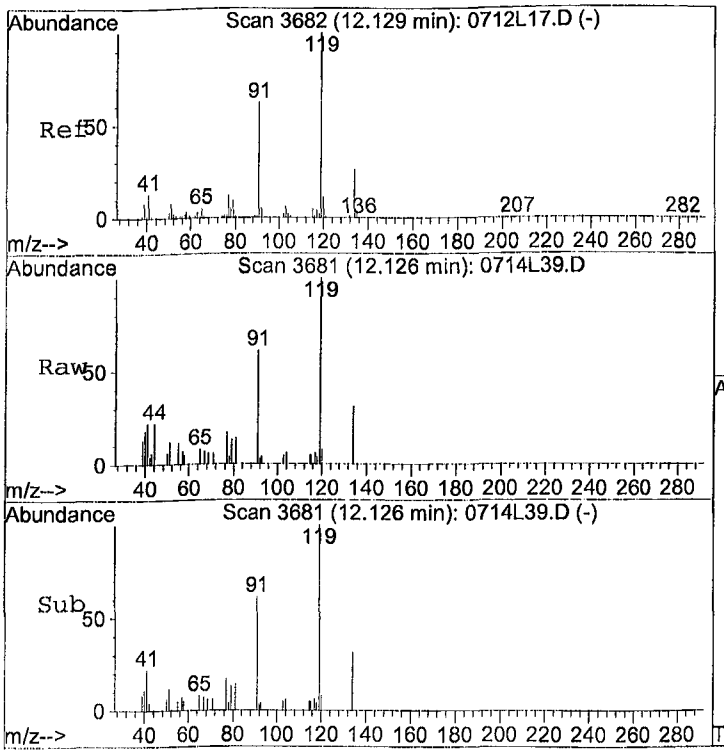


#77
n-Propylbenzene
Concen: 3.70 ppb
RT: 11.58 min Scan# 3510
Delta R.T. 0.00 min
Lab File: 0714L39.D
Acq: 15 Jul 21 3:37

Tgt Ion: 91 Resp: 56651

Ion	Ratio	Lower	Upper
91	100		
120	21.5	17.2	31.9

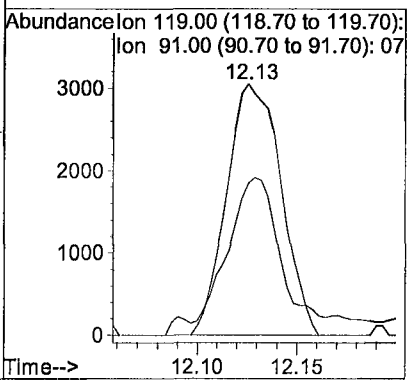


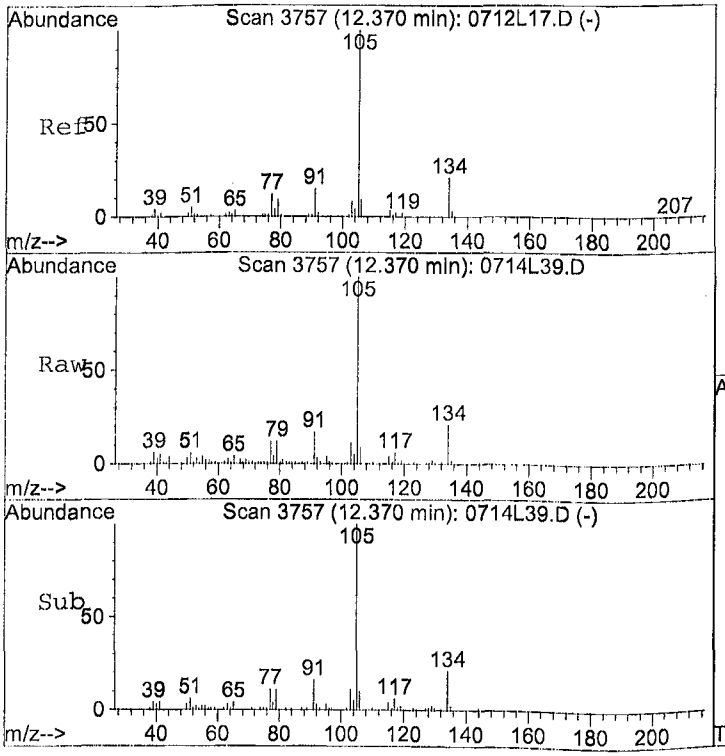


#82
Tert-Butylbenzene
Concen: 0.59 ppb
RT: 12.13 min Scan# 3681
Delta R.T. -0.00 min
Lab File: 0714L39.D
Acq: 15 Jul 21 3:37

Tgt Ion:119 Resp: 5769

Ion	Ratio	Lower	Upper
119	100		
91	54.2	43.1	80.1

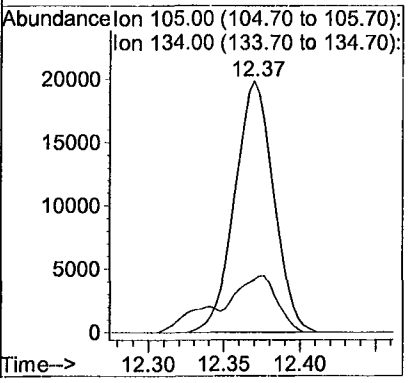


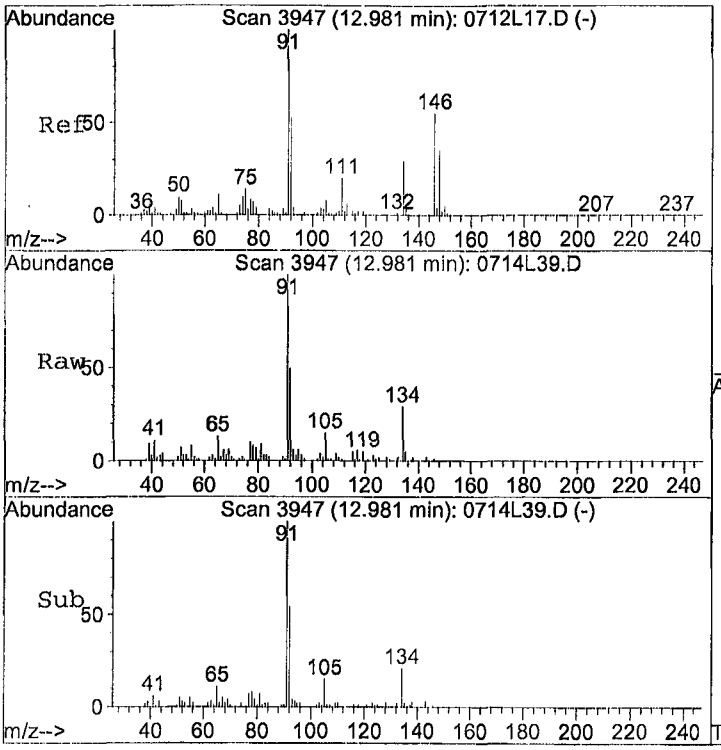


#84
Sec-Butylbenzene
Concen: 2.55 ppb
RT: 12.37 min Scan# 3757
Delta R.T. 0.00 min
Lab File: 0714L39.D
Acq: 15 Jul 21 3:37

Tgt Ion:105 Resp: 35212

Ion	Ratio	Lower	Upper
105	100		
134	20.7	14.5	26.9

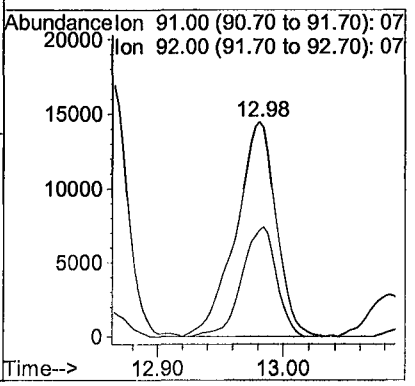


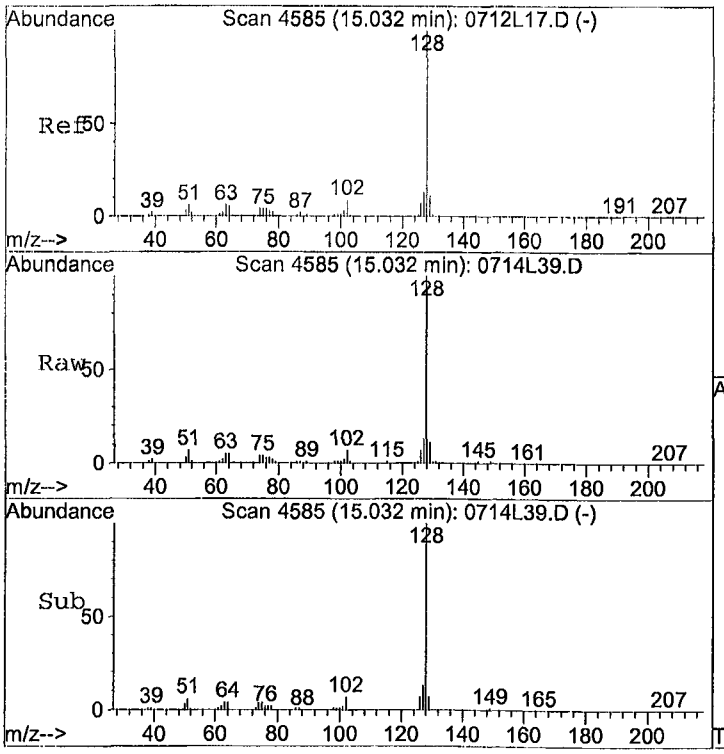


#89
n-Butylbenzene
Concen: 3.43 ppb
RT: 12.98 min Scan# 3947
Delta R.T. 0.00 min
Lab File: 0714L39.D
Acq: 15 Jul 21 3:37

Tgt Ion: 91 Resp: 32214

Ion	Ratio	Lower	Upper
91	100		
92	49.6	37.3	69.3

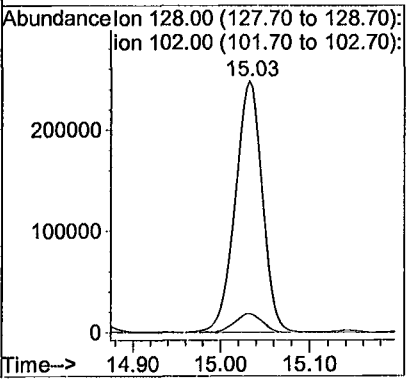




#95
Naphthalene
Concen: 47.17 ppb
RT: 15.03 min Scan# 4585
Delta R.T. 0.00 min
Lab File: 0714L39.D
Acq: 15 Jul 21 3:37

Tgt Ion:128 Resp: 529316

Ion	Ratio	Lower	Upper
128	100		
102	7.5	6.0	11.2



Quantitation Report (QT Reviewed)

Data File : M:\LOKI\DATA\210712\0714L40.D Vial: 40
Acq On : 15 Jul 21 4:04 Operator:
Sample : BA35750W01 Inst : Loki
Misc : IS&S: 10/21/20, 11/11/20 Multiplr: 1.00

Quant Time: Jul 28 10:22 2021 Quant Results File: L0712NEW.RES

Quant Method : M:\LOKI\DATA\210712\L0712NEW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Jul 16 10:45:51 2021
Response via : Initial Calibration
DataAcq Meth : 070721_L8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.53	96	735182	25.00	ppb	0.00
56) Chlorobenzene-D5 (IS)	9.99	117	570305	25.00	ppb	0.00
71) 1,4-Dichlorobenzene-D4 (IS	12.56	152	281766	25.00	ppb	0.00
System Monitoring Compounds						
32) Dibromofluoromethane(S)	5.69	113	200259	25.41	ppb	0.00
Spiked Amount 25.000			Recovery =	101.652%		
37) 1,2-DCA-D4(S)	6.10	65	221171	25.07	ppb	0.00
Spiked Amount 25.000			Recovery =	100.292%		
57) Toluene-D8(S)	8.39	98	691071	23.76	ppb	0.00
Spiked Amount 25.000			Recovery =	95.040%		
65) 4-Bromofluorobenzene(S)	11.29	174	208431	21.47	ppb	0.00
Spiked Amount 25.000			Recovery =	85.888%		
Target Compounds						Qvalue
95) Naphthalene	15.03	128	39835	4.66	ppb	97

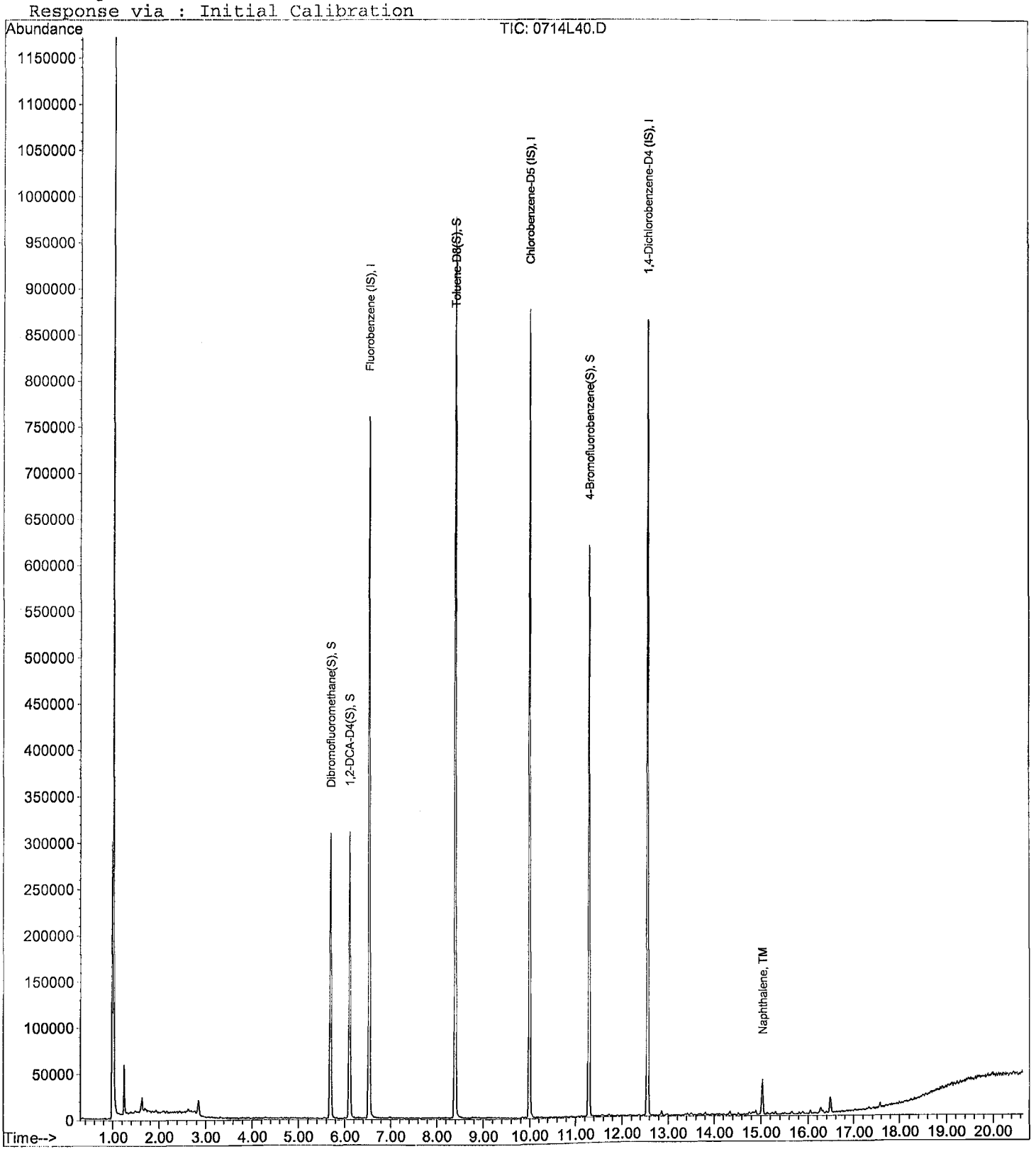
(#) = qualifier out of range (m) = manual integration

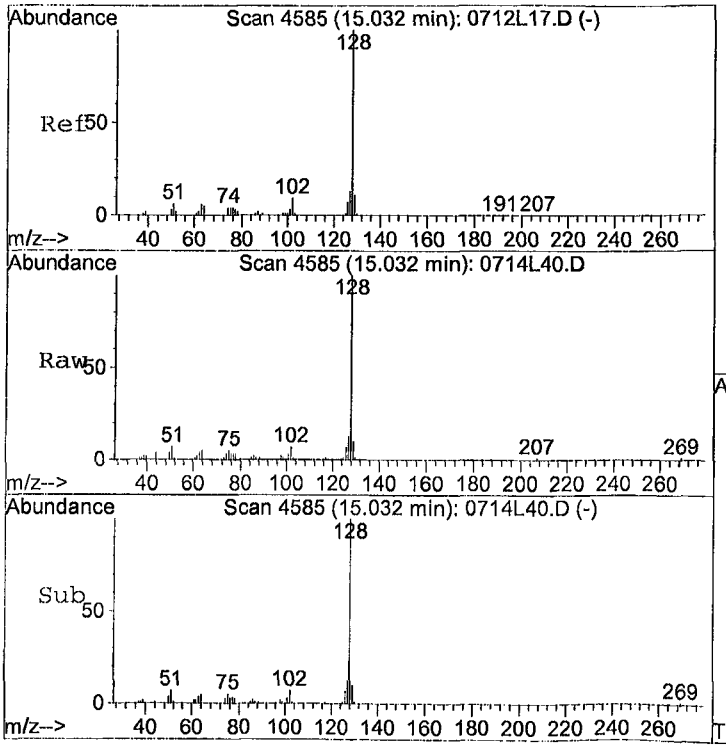
Quantitation Report

Data File : M:\LOKI\DATA\210712\0714L40.D Vial: 40
Acq On : 15 Jul 21 4:04 Operator:
Sample : BA35750W01 Inst : Loki
Misc : IS&S: 10/21/20, 11/11/20 Multiplr: 1.00

Quant Time: Jul 28 10:22 2021 Quant Results File: L0712NEW.RES

Method : M:\LOKI\DATA\210712\L0712NEW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Jul 16 10:45:51 2021
Response via : Initial Calibration

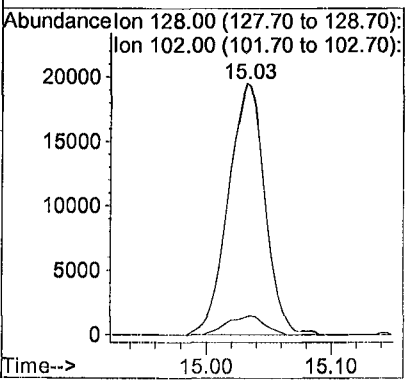




#95
Naphthalene
Concen: 4.66 ppb
RT: 15.03 min Scan# 4585
Delta R.T. 0.00 min
Lab File: 0714L40.D
Acq: 15 Jul 21 4:04

Tgt Ion:128 Resp: 39835

Ion	Ratio	Lower	Upper
128	100		
102	7.4	6.0	11.2



Quantitation Report (QT Reviewed)

Data File : M:\LOKI\DATA\210712\0714L41.D Vial: 41
Acq On : 15 Jul 21 4:32 Operator:
Sample : BA35752W01 Inst : Loki
Misc : IS&S: 10/21/20, 11/11/20 Multiplr: 1.00

Quant Time: Jul 28 10:25 2021 Quant Results File: L0712NEW.RES

Quant Method : M:\LOKI\DATA\210712\L0712NEW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Jul 16 10:45:51 2021
Response via : Initial Calibration
DataAcq Meth : 070721_L8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.53	96	720315	25.00	ppb	0.00
56) Chlorobenzene-D5 (IS)	9.99	117	551477	25.00	ppb	0.00
71) 1,4-Dichlorobenzene-D4 (IS	12.56	152	277244	25.00	ppb	0.00
System Monitoring Compounds						
32) Dibromofluoromethane(S)	5.69	113	196887	25.50	ppb	0.00
Spiked Amount 25.000			Recovery = 102.000%			
37) 1,2-DCA-D4(S)	6.10	65	218198	25.25	ppb	0.00
Spiked Amount 25.000			Recovery = 100.984%			
57) Toluene-D8(S)	8.39	98	675212	24.01	ppb	0.00
Spiked Amount 25.000			Recovery = 96.028%			
65) 4-Bromofluorobenzene(S)	11.29	174	206622	22.01	ppb	0.00
Spiked Amount 25.000			Recovery = 88.052%			
Target Compounds						Qvalue
95) Naphthalene	15.03	128	15659	2.51	ppb	96

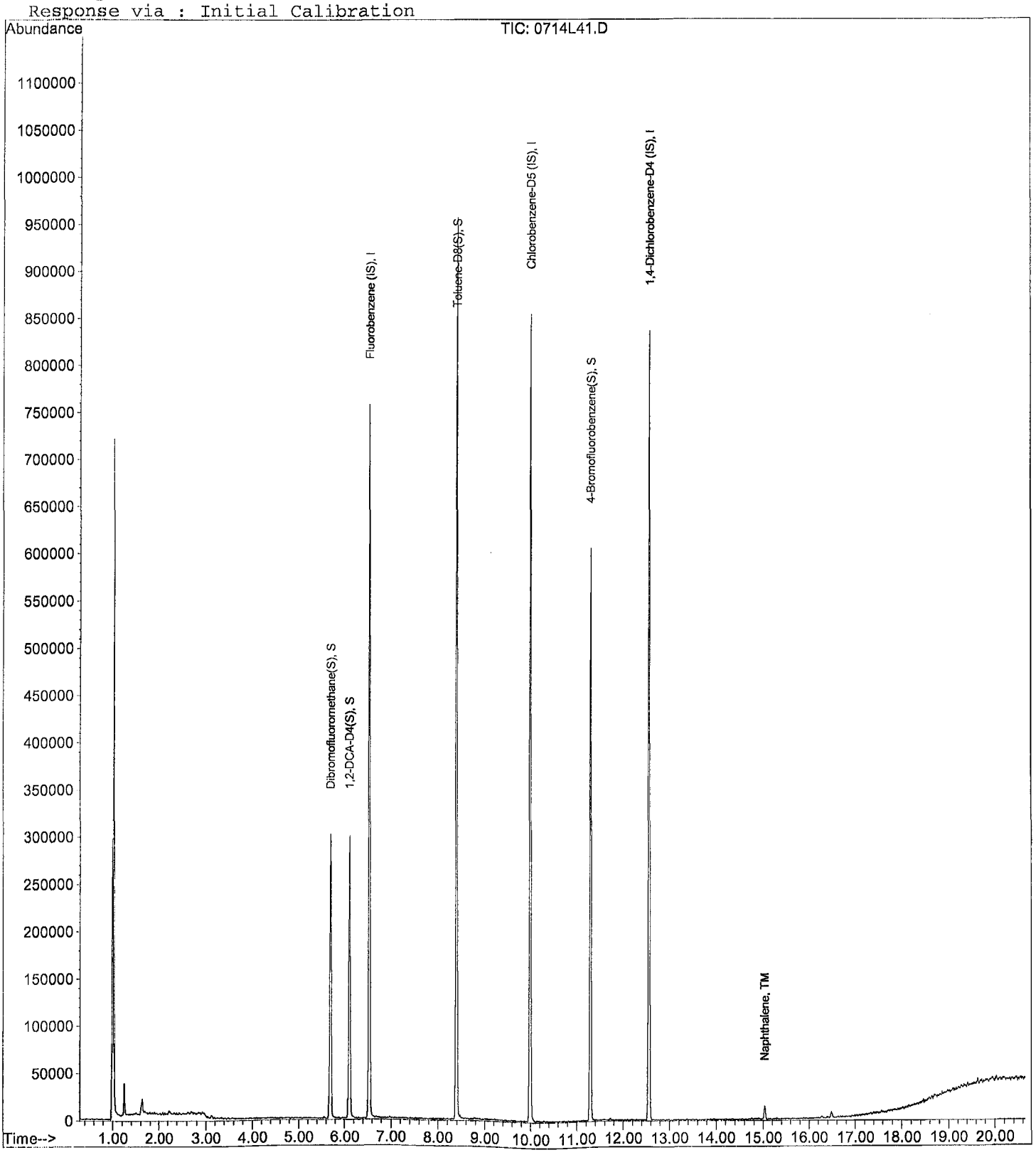
(#) = qualifier out of range (m) = manual integration

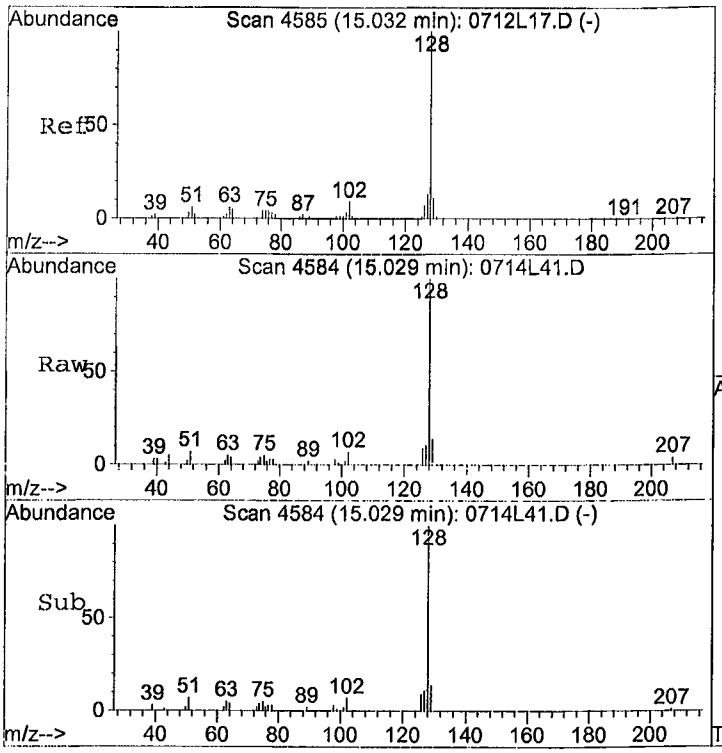
Quantitation Report

Data File : M:\LOKI\DATA\210712\0714L41.D Vial: 41
Acq On : 15 Jul 21 4:32 Operator:
Sample : BA35752W01 Inst : Loki
Misc : IS&S: 10/21/20, 11/11/20 Multiplr: 1.00

Quant Time: Jul 28 10:25 2021 Quant Results File: L0712NEW.RES

Method : M:\LOKI\DATA\210712\L0712NEW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Jul 16 10:45:51 2021
Response via : Initial Calibration

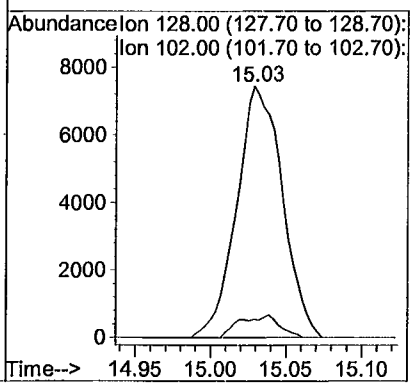




#95
Naphthalene
Concen: 2.51 ppb
RT: 15.03 min Scan# 4584
Delta R.T. -0.00 min
Lab File: 0714L41.D
Acq: 15 Jul 21 4:32

Tgt Ion:128 Resp: 15659

Ion	Ratio	Lower	Upper
128	100		
102	7.3	6.0	11.2



Quantitation Report (QT Reviewed)

Data File : M:\LOKI\DATA\210712\0714L42.D Vial: 42
Acq On : 15 Jul 21 4:59 Operator:
Sample : BA35753W01 Inst : Loki
Misc : IS&S: 10/21/20, 11/11/20 Multiplr: 1.00

Quant Time: Jul 28 10:28 2021 Quant Results File: L0712NEW.RES

Quant Method : M:\LOKI\DATA\210712\L0712NEW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Jul 16 10:45:51 2021
Response via : Initial Calibration
DataAcq Meth : 070721_L8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.53	96	706263	25.00	ppb	0.00
56) Chlorobenzene-D5 (IS)	9.99	117	548719	25.00	ppb	0.00
71) 1,4-Dichlorobenzene-D4 (IS	12.56	152	273311	25.00	ppb	0.00
System Monitoring Compounds						
32) Dibromofluoromethane(S)	5.69	113	193927	25.62	ppb	0.00
Spiked Amount 25.000			Recovery = 102.468%			
37) 1,2-DCA-D4(S)	6.10	65	217265	25.64	ppb	0.00
Spiked Amount 25.000			Recovery = 102.552%			
57) Toluene-D8(S)	8.39	98	675333	24.13	ppb	0.00
Spiked Amount 25.000			Recovery = 96.528%			
65) 4-Bromofluorobenzene(S)	11.29	174	209960	22.48	ppb	0.00
Spiked Amount 25.000			Recovery = 89.924%			
Target Compounds						Qvalue
95) Naphthalene	15.03	128	9213	1.93	ppb	93

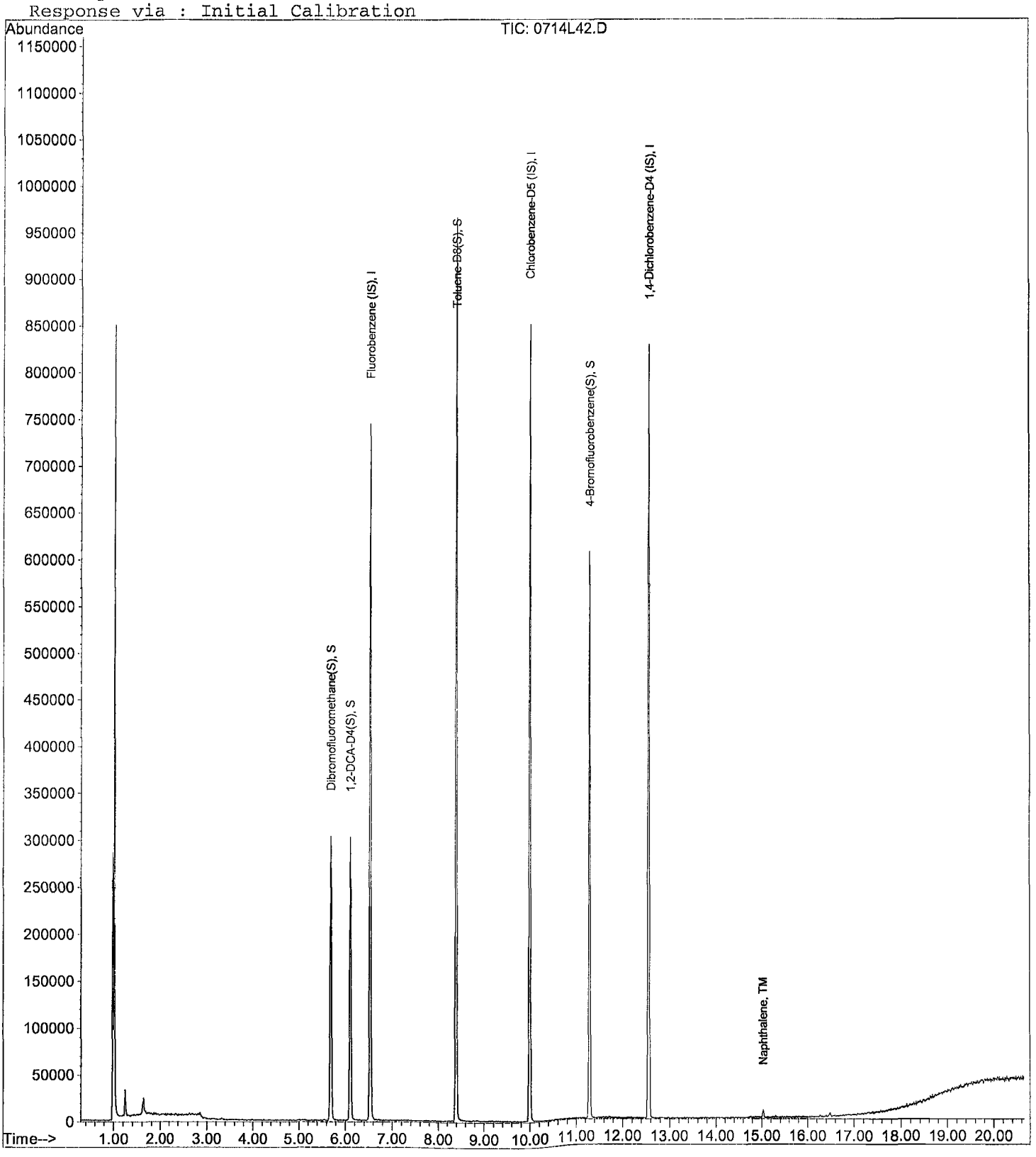
(#) = qualifier out of range (m) = manual integration
0714L42.D L0712NEW.M Thu Jul 29 12:23:30 2021

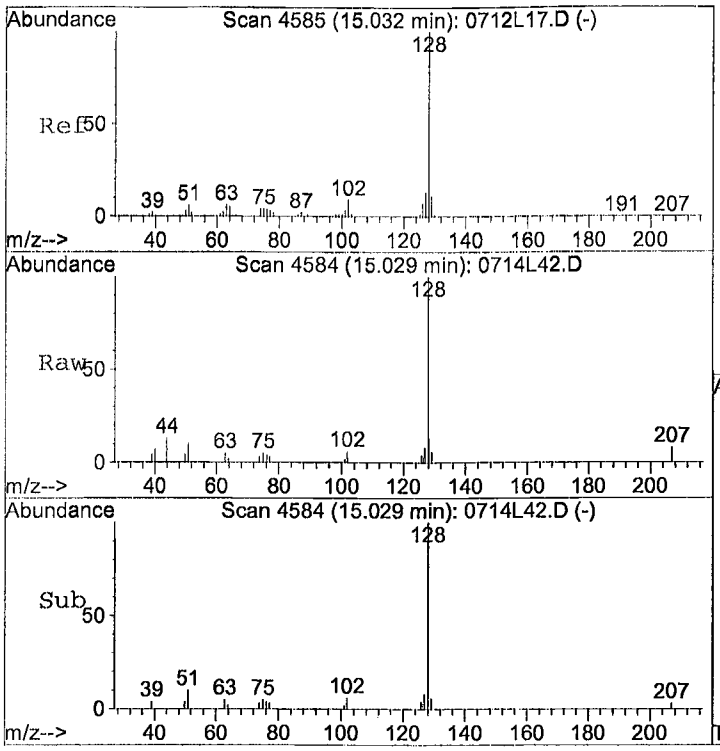
Quantitation Report

Data File : M:\LOKI\DATA\210712\0714L42.D Vial: 42
Acq On : 15 Jul 21 4:59 Operator:
Sample : BA35753W01 Inst : Loki
Misc : IS&S: 10/21/20, 11/11/20 Multiplr: 1.00

Quant Time: Jul 28 10:28 2021 Quant Results File: L0712NEW.RES

Method : M:\LOKI\DATA\210712\L0712NEW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Jul 16 10:45:51 2021
Response via : Initial Calibration

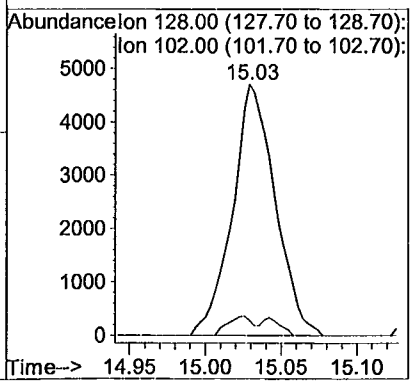




#95
Naphthalene
Concen: 1.93 ppb
RT: 15.03 min Scan# 4584
Delta R.T. -0.00 min
Lab File: 0714L42.D
Acq: 15 Jul 21 4:59

Tgt Ion:128 Resp: 9213

Ion	Ratio	Lower	Upper
128	100		
102	6.1	6.0	11.2



Quantitation Report (QT Reviewed)

Data File : M:\LOKI\DATA\210712\0714L35.D Vial: 35
Acq On : 15 Jul 21 1:46 Operator:
Sample : 210714B BLK Inst : Loki
Misc : IS&S: 10/21/20, 11/11/20 Multiplr: 1.00

Quant Time: Jul 16 11:42 2021 Quant Results File: L0712NEW.RES

Quant Method : M:\LOKI\DATA\210712\L0712NEW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Jul 16 10:45:51 2021
Response via : Initial Calibration
DataAcq Meth : 070721_L8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.53	96	714886	25.00	ppb	0.00
56) Chlorobenzene-D5 (IS)	9.99	117	562125	25.00	ppb	0.00
71) 1,4-Dichlorobenzene-D4 (IS	12.56	152	283554	25.00	ppb	0.00
System Monitoring Compounds						
32) Dibromofluoromethane(S)	5.69	113	194957	25.44	ppb	0.00
Spiked Amount 25.000			Recovery =	101.768%		
37) 1,2-DCA-D4(S)	6.10	65	223172	26.02	ppb	0.00
Spiked Amount 25.000			Recovery =	104.072%		
57) Toluene-D8(S)	8.39	98	683311	23.84	ppb	0.00
Spiked Amount 25.000			Recovery =	95.340%		
65) 4-Bromofluorobenzene(S)	11.29	174	206697	21.60	ppb	0.00
Spiked Amount 25.000			Recovery =	86.412%		

Target Compounds Qvalue

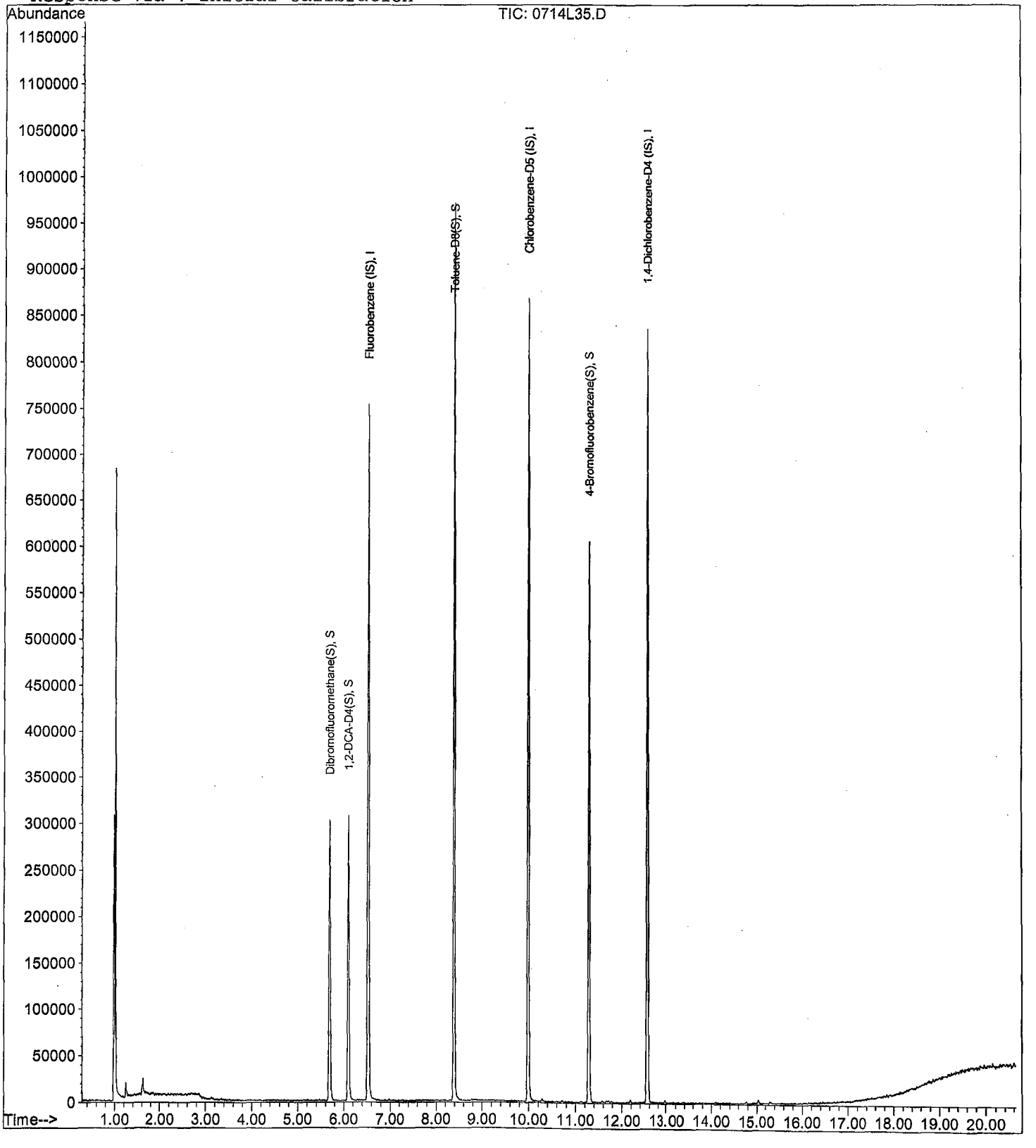
(#) = qualifier out of range (m) = manual integration
0714L35.D L0712NEW.M Fri Jul 16 11:42:54 2021 Page 1

Quantitation Report

Data File : M:\LOKI\DATA\210712\0714L35.D Vial: 35
Acq On : 15 Jul 21 1:46 Operator:
Sample : 210714B BLK Inst : Loki
Misc : IS&S: 10/21/20, 11/11/20 Multiplr: 1.00

Quant Time: Jul 16 11:42 2021 Quant Results File: L0712NEW.RES

Method : M:\LOKI\DATA\210712\L0712NEW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Jul 16 10:45:51 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\LOKI\DATA\210712\0714L30.D Vial: 30
Acq On : 14 Jul 21 23:29 Operator:
Sample : 210714B LCS 10ug/L Inst : Loki
Misc : IS&S: 10/21/20, 11/11/20 Multiplr: 1.00

Quant Time: Jul 16 10:59 2021 Quant Results File: L0712NEW.RES

Quant Method : M:\LOKI\DATA\210712\L0712NEW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Jul 16 10:45:51 2021
Response via : Initial Calibration
DataAcq Meth : 070721_L8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.53	96	743987	25.00	ppb	0.00
56) Chlorobenzene-D5 (IS)	9.99	117	567354	25.00	ppb	0.00
71) 1,4-Dichlorobenzene-D4 (IS	12.56	152	314100	25.00	ppb	0.00
System Monitoring Compounds						
32) Dibromofluoromethane(S)	5.69	113	203405	25.51	ppb	0.00
Spiked Amount 25.000			Recovery =	102.024%		
37) 1,2-DCA-D4(S)	6.10	65	222428	24.92	ppb	0.00
Spiked Amount 25.000			Recovery =	99.668%		
57) Toluene-D8(S)	8.39	98	725338	25.07	ppb	0.00
Spiked Amount 25.000			Recovery =	100.272%		
65) 4-Bromofluorobenzene(S)	11.29	174	227745	23.58	ppb	0.00
Spiked Amount 25.000			Recovery =	94.336%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.15	85	33900	9.12	ppb	99
3) Freon 114	1.26	85	27129	8.29	ppb	97
4) Chloromethane	1.30	50	38355	9.58	ppb	97
5) Vinyl chloride	1.40	62	38248	9.64	ppb	96
6) Bromomethane	1.67	96	31777	9.66	ppb	90
7) Chloroethane	1.77	64	23322	9.40	ppb	97
8) Dichlorofluoromethane	1.97	67	63886	9.64	ppb	99
9) Trichlorofluoromethane	2.02	101	29328	9.28	ppb	92
10) Acrolein	2.45	56	41177	96.55	ppb	100
11) Acetone	2.63	43	30589	51.58	ppb	97
12) Freon-113	2.56	101	26624	8.84	ppb	90
13) 1,1-DCE	2.54	61	45254	9.22	ppb	94
14) t-Butanol	3.38	59	39681	113.89	ppb	92
15) Acetonitrile	2.94	41	58625	119.57	ppb	97
16) Methyl Acetate	3.04	43	24961	9.63	ppb	97
17) Iodomethane	2.69	142	18973	7.24	ppb	90
18) Acrylonitrile	3.48	53	13190	9.15	ppb	99
19) Methylene chloride	3.13	84	39235	10.33	ppb	94
20) Carbon disulfide	2.75	76	50608	9.30	ppb	99
21) Methyl t-butyl ether (MtBE	3.54	73	70721	8.32	ppb	97
22) Trans-1,2-DCE	3.50	61	43167	9.27	ppb	97
23) Diisopropyl Ether	4.34	45	86485	8.85	ppb	99
24) 1,1-DCA	4.15	63	61203	9.98	ppb	96
25) Vinyl Acetate	4.34	43	17768	8.90	ppb	99
26) Ethyl tert Butyl Ether	4.88	59	41166	7.54	ppb	95
27) MEK (2-Butanone)	5.09	43	39067	49.41	ppb	97
28) Cis-1,2-DCE	5.01	61	49390	9.13	ppb	96
29) 2,2-Dichloropropane	5.00	77	36617	7.38	ppb	98
30) Chloroform	5.48	83	65330	10.33	ppb	98
31) Bromochloromethane	5.33	130	27088	10.11	ppb	96
33) 1,1,1-TCA	5.68	97	51272	9.06	ppb	98
34) Cyclohexane	5.74	56	34917	7.34	ppb	94
35) 1,1-Dichloropropene	5.91	75	37408	8.66	ppb	95
36) 2,2,4-Trimethylpentane	6.31	57	23592	7.05	ppb	96
38) Carbon Tetrachloride	5.89	119	39256	8.82	ppb	99
39) Tert Amyl Methyl Ether	6.37	73	34597	7.22	ppb	97
40) 1,2-DCA	6.20	62	48448	9.66	ppb	98
41) Benzene	6.16	78	127784	9.22	ppb	99
42) TCE	6.97	130	39392	9.16	ppb	94

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

Quantitation Report (Not Reviewed)

Data File : M:\LOKI\DATA\210712\0714L30.D Vial: 30
Acq On : 14 Jul 21 23:29 Operator:
Sample : 210714B LCS 10ug/L Inst : Loki
Misc : IS&S: 10/21/20, 11/11/20 Multiplr: 1.00

Quant Time: Jul 16 10:59 2021 Quant Results File: L0712NEW.RES

Quant Method : M:\LOKI\DATA\210712\L0712NEW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Jul 16 10:45:51 2021
Response via : Initial Calibration
DataAcq Meth : 070721_L8260

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
43)	2-Pentanone	7.24	43	253391	108.42	ppb	98
44)	1,2-Dichloropropane	7.24	63	37027	9.54	ppb	93
45)	Bromodichloromethane	7.58	83	48674	9.98	ppb	98
46)	Methyl Cyclohexane	7.19	98	17178	7.32	ppb	97
47)	Dibromomethane	7.37	174	27352	9.43	ppb	94
49)	MIBK (methyl isobutyl ket	8.30	43	70023	46.17	ppb	99
50)	1-Bromo-2-chloroethane	7.91	63	26040	9.98	ppb	97
51)	Cis-1,3-Dichloropropene	8.10	75	49021	8.51	ppb	98
52)	Toluene	8.46	91	139412	9.34	ppb	97
53)	Trans-1,3-Dichloropropene	8.73	75	26024	8.60	ppb	94
54)	1,1,2-TCA	8.93	97	33714	9.82	ppb	92
55)	2-Hexanone	9.24	43	40030	43.95	ppb	99
58)	1,2-EDB	9.46	107	33811	9.54	ppb	90
59)	Tetrachloroethene	9.07	166	22904	9.14	ppb	97
60)	1-Chlorohexane	10.02	91	30752	7.79	ppb	94
61)	1,1,1,2-Tetrachloroethane	10.12	131	33975	9.40	ppb	88
62)	m&p-Xylene	10.28	91	207015	17.30	ppb	96
63)	o-Xylene	10.71	91	106609	8.33	ppb	99
64)	Styrene	10.73	104	85082	8.61	ppb	98
66)	1,3-Dichloropropane	9.11	76	55153	9.30	ppb	96
67)	Dibromochloromethane	9.35	129	37550	9.74	ppb	96
68)	Chlorobenzene	10.02	112	97607	9.70	ppb	99
69)	Ethylbenzene	10.15	91	74208	8.36	ppb	100
70)	Bromoform	10.92	173	26800	9.14	ppb	91
72)	Isopropylbenzene	11.13	105	122686	8.55	ppb	94
73)	1,1,2,2-Tetrachloroethane	11.45	83	39793	9.55	ppb	98
74)	1,2,3-Trichloropropane	11.49	110	14311	10.13	ppb	99
75)	t-1,4-Dichloro-2-Butene	11.51	53	6510	8.74	ppb	81
76)	Bromobenzene	11.44	158	39667	9.15	ppb	98
77)	n-Propylbenzene	11.58	91	143548	8.69	ppb	100
78)	4-Ethyltoluene	11.78	105	108301	8.96	ppb	95
79)	2-Chlorotoluene	11.78	91	110340	9.23	ppb	97
80)	1,3,5-Trimethylbenzene	12.18	105	106246	8.53	ppb	98
81)	4-Chlorotoluene	11.78	91	110340	9.23	ppb	97
82)	Tert-Butylbenzene	12.13	119	87236	8.25	ppb	100
83)	1,2,4-Trimethylbenzene	12.18	105	106246	8.64	ppb	98
84)	Sec-Butylbenzene	12.37	105	125794	8.44	ppb	99
85)	p-Isopropyltoluene	12.53	119	108543	8.24	ppb	93
86)	Benzyl Chloride	12.73	91	26427	6.41	ppb	99
87)	1,3-DCB	12.48	146	78180	9.40	ppb	99
88)	1,4-DCB	12.99	146	76994	9.32	ppb	95
89)	n-Butylbenzene	12.98	91	90089	8.27	ppb	97
90)	1,2-DCB	12.58	146	77832	9.47	ppb	93
91)	Hexachloroethane	13.27	117	20793	9.48	ppb	91
92)	1,2-Dibromo-3-chloropropan	13.85	157	8477	8.89	ppb	89
93)	1,2,4-Trichlorobenzene	14.76	180	21744	8.13	ppb	97
94)	Hexachlorobutadiene	14.95	225	9970	8.24	ppb	95
95)	Naphthalene	15.03	128	86605	8.07	ppb	97
96)	1,2,3-Trichlorobenzene	15.30	182	20288	8.63	ppb	95

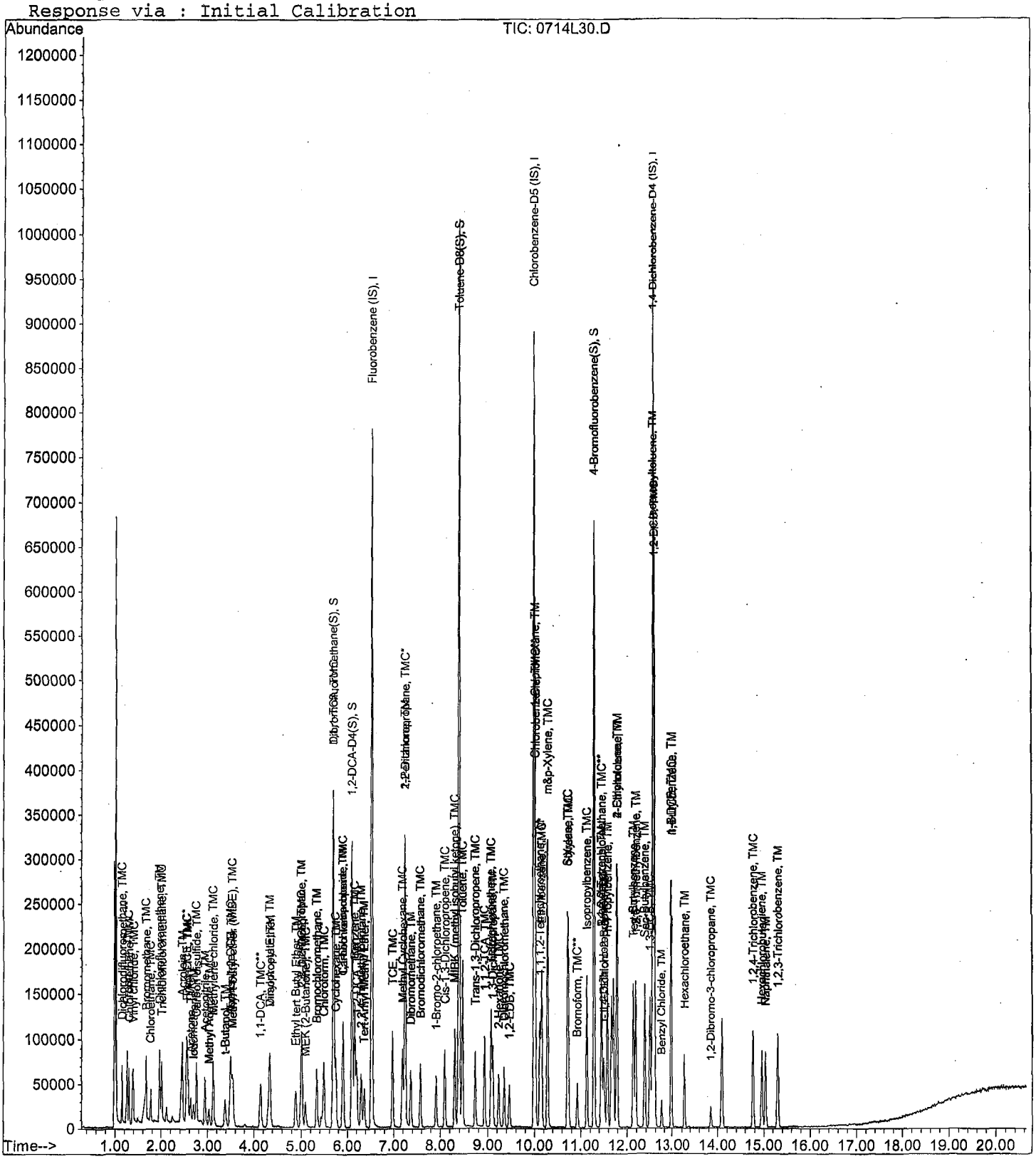
(#) = qualifier out of range (m) = manual integration
0714L30.D L0712NEW.M Fri Jul 16 11:42:49 2021

Quantitation Report

Data File : M:\LOKI\DATA\210712\0714L30.D Vial: 30
Acq On : 14 Jul 21 23:29 Operator:
Sample : 210714B LCS 10ug/L Inst : Loki
Misc : IS&S: 10/21/20, 11/11/20 Multiplr: 1.00

Quant Time: Jul 16 10:59 2021 Quant Results File: L0712NEW.RES

Method : M:\LOKI\DATA\210712\L0712NEW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Jul 16 10:45:51 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\LOKI\DATA\210712\0714L31.D Vial: 31
Acq On : 14 Jul 21 23:57 Operator:
Sample : 210714B LCSD 10ug/L Inst : Loki
Misc : IS&S: 10/21/20, 11/11/20 Multiplr: 1.00

Quant Time: Jul 16 10:59 2021 Quant Results File: L0712NEW.RES

Quant Method : M:\LOKI\DATA\210712\L0712NEW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Jul 16 10:45:51 2021
Response via : Initial Calibration
DataAcq Meth : 070721_L8260

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene (IS)	6.53	96	761278	25.00	ppb		0.00
56) Chlorobenzene-D5 (IS)	9.99	117	583121	25.00	ppb		0.00
71) 1,4-Dichlorobenzene-D4 (IS	12.56	152	330838	25.00	ppb		0.00
System Monitoring Compounds							
32) Dibromofluoromethane(S)	5.69	113	201376	24.68	ppb		0.00
Spiked Amount 25.000			Recovery = 98.712%				
37) 1,2-DCA-D4(S)	6.10	65	225726	24.71	ppb		0.00
Spiked Amount 25.000			Recovery = 98.848%				
57) Toluene-D8(S)	8.39	98	728440	24.49	ppb		0.00
Spiked Amount 25.000			Recovery = 97.976%				
65) 4-Bromofluorobenzene(S)	11.29	174	234041	23.58	ppb		0.00
Spiked Amount 25.000			Recovery = 94.324%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.15	85	45935	11.94	ppb		98
3) Freon 114	1.26	85	35310	10.55	ppb		98
4) Chloromethane	1.30	50	49394	12.13	ppb		99
5) Vinyl chloride	1.40	62	48596	11.97	ppb		99
6) Bromomethane	1.67	96	39841	11.96	ppb		99
7) Chloroethane	1.77	64	30442	11.99	ppb		98
8) Dichlorofluoromethane	1.97	67	84772	12.50	ppb		100
9) Trichlorofluoromethane	2.02	101	39488	12.21	ppb		98
10) Acrolein	2.44	56	49440	113.29	ppb		98
11) Acetone	2.62	43	36224	60.01	ppb		98
12) Freon-113	2.56	101	33427	10.84	ppb		96
13) 1,1-DCE	2.54	61	58461	11.60	ppb		93
14) t-Butanol	3.38	59	49151	137.87	ppb	#	88
15) Acetonitrile	2.94	41	79486	158.43	ppb		98
16) Methyl Acetate	3.03	43	32572	12.24	ppb		93
17) Iodomethane	2.69	142	27519	9.38	ppb		95
18) Acrylonitrile	3.48	53	18022	12.21	ppb		90
19) Methylene chloride	3.13	84	49179	12.68	ppb		97
20) Carbon disulfide	2.75	76	61984	11.17	ppb		98
21) Methyl t-butyl ether (MtBE	3.54	73	95160	10.95	ppb		95
22) Trans-1,2-DCE	3.50	61	56494	11.81	ppb		97
23) Diisopropyl Ether	4.34	45	115083	11.52	ppb		97
24) 1,1-DCA	4.15	63	77664	12.34	ppb		99
25) Vinyl Acetate	4.34	43	23984	11.84	ppb	#	99
26) Ethyl tert Butyl Ether	4.88	59	55029	9.85	ppb		96
27) MEK (2-Butanone)	5.09	43	47736	59.01	ppb		95
28) Cis-1,2-DCE	5.01	61	65151	11.72	ppb		96
29) 2,2-Dichloropropane	5.00	77	48639	9.65	ppb		93
30) Chloroform	5.48	83	80664	12.43	ppb		94
31) Bromochloromethane	5.33	130	34652	12.70	ppb		97
33) 1,1,1-TCA	5.68	97	66601	11.51	ppb		98
34) Cyclohexane	5.74	56	46686	9.59	ppb		95
35) 1,1-Dichloropropene	5.90	75	49374	11.06	ppb		98
36) 2,2,4-Trimethylpentane	6.31	57	30952	9.04	ppb		93
38) Carbon Tetrachloride	5.89	119	51531	11.31	ppb		100
39) Tert Amyl Methyl Ether	6.37	73	45266	8.95	ppb		95
40) 1,2-DCA	6.20	62	64567	12.56	ppb		99
41) Benzene	6.16	78	175013	12.26	ppb		99
42) TCE	6.97	130	55098	12.48	ppb		98

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

Quantitation Report (Not Reviewed)

Data File : M:\LOKI\DATA\210712\0714L31.D Vial: 31
Acq On : 14 Jul 21 23:57 Operator:
Sample : 210714B LCSD 10ug/L Inst : Loki
Misc : IS&S: 10/21/20, 11/11/20 Multiplr: 1.00

Quant Time: Jul 16 10:59 2021 Quant Results File: L0712NEW.RES

Quant Method : M:\LOKI\DATA\210712\L0712NEW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Jul 16 10:45:51 2021
Response via : Initial Calibration
DataAcq Meth : 070721_L8260

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
43)	2-Pentanone	7.24	43	327203	136.83	ppb	99
44)	1,2-Dichloropropane	7.24	63	47496	11.96	ppb	90
45)	Bromodichloromethane	7.58	83	62290	12.40	ppb	93
46)	Methyl Cyclohexane	7.19	98	23029	9.58	ppb	91
47)	Dibromomethane	7.37	174	35536	11.89	ppb	96
49)	MIBK (methyl isobutyl ket	8.30	43	87205	56.19	ppb	98
50)	1-Bromo-2-chloroethane	7.91	63	32536	12.18	ppb	89
51)	Cis-1,3-Dichloropropene	8.10	75	66478	11.14	ppb	97
52)	Toluene	8.46	91	179524	11.64	ppb	98
53)	Trans-1,3-Dichloropropene	8.73	75	32688	10.46	ppb	99
54)	1,1,2-TCA	8.93	97	44528	12.59	ppb	96
55)	2-Hexanone	9.24	43	51057	54.79	ppb	100
58)	1,2-EDB	9.46	107	44894	12.21	ppb	95
59)	Tetrachloroethene	9.07	166	30720	11.87	ppb	94
60)	1-Chlorohexane	10.02	91	39906	9.72	ppb	97
61)	1,1,1,2-Tetrachloroethane	10.12	131	46720	12.44	ppb	99
62)	m&p-Xylene	10.28	91	271123	21.63	ppb	98
63)	o-Xylene	10.71	91	141702	10.77	ppb	99
64)	Styrene	10.73	104	111660	10.70	ppb	95
66)	1,3-Dichloropropane	9.11	76	69801	11.45	ppb	99
67)	Dibromochloromethane	9.35	129	49547	12.50	ppb	97
68)	Chlorobenzene	10.02	112	127328	12.23	ppb	99
69)	Ethylbenzene	10.15	91	102176	11.20	ppb	99
70)	Bromoform	10.92	173	34590	11.48	ppb	99
72)	Isopropylbenzene	11.13	105	165511	10.95	ppb	97
73)	1,1,2,2-Tetrachloroethane	11.45	83	49706	11.33	ppb	94
74)	1,2,3-Trichloropropane	11.49	110	19263	12.94	ppb	99
75)	t-1,4-Dichloro-2-Butene	11.51	53	7472	9.52	ppb	95
76)	Bromobenzene	11.44	158	53420	11.70	ppb	100
77)	n-Propylbenzene	11.58	91	196399	11.28	ppb	95
78)	4-Ethyltoluene	11.77	105	146421	11.50	ppb	98
79)	2-Chlorotoluene	11.78	91	151420	12.03	ppb	97
80)	1,3,5-Trimethylbenzene	12.18	105	143022	10.90	ppb	95
81)	4-Chlorotoluene	11.78	91	151420	12.03	ppb	97
82)	Tert-Butylbenzene	12.13	119	117221	10.53	ppb	98
83)	1,2,4-Trimethylbenzene	12.18	105	143022	10.99	ppb	95
84)	Sec-Butylbenzene	12.37	105	170328	10.85	ppb	99
85)	p-Isopropyltoluene	12.53	119	148656	10.72	ppb	98
86)	Benzyl Chloride	12.73	91	32585	7.44	ppb	98
87)	1,3-DCB	12.48	146	101544	11.59	ppb	92
88)	1,4-DCB	12.99	146	100917	11.60	ppb	96
89)	n-Butylbenzene	12.98	91	121904	10.51	ppb	95
90)	1,2-DCB	12.58	146	108097	12.47	ppb	98
91)	Hexachloroethane	13.27	117	26295	11.38	ppb	98
92)	1,2-Dibromo-3-chloropropan	13.85	157	10429	10.30	ppb	89
93)	1,2,4-Trichlorobenzene	14.76	180	31392	11.05	ppb	93
94)	Hexachlorobutadiene	14.96	225	13627	10.69	ppb	95
95)	Naphthalene	15.03	128	120091	10.28	ppb	99
96)	1,2,3-Trichlorobenzene	15.30	182	27088	10.87	ppb	99

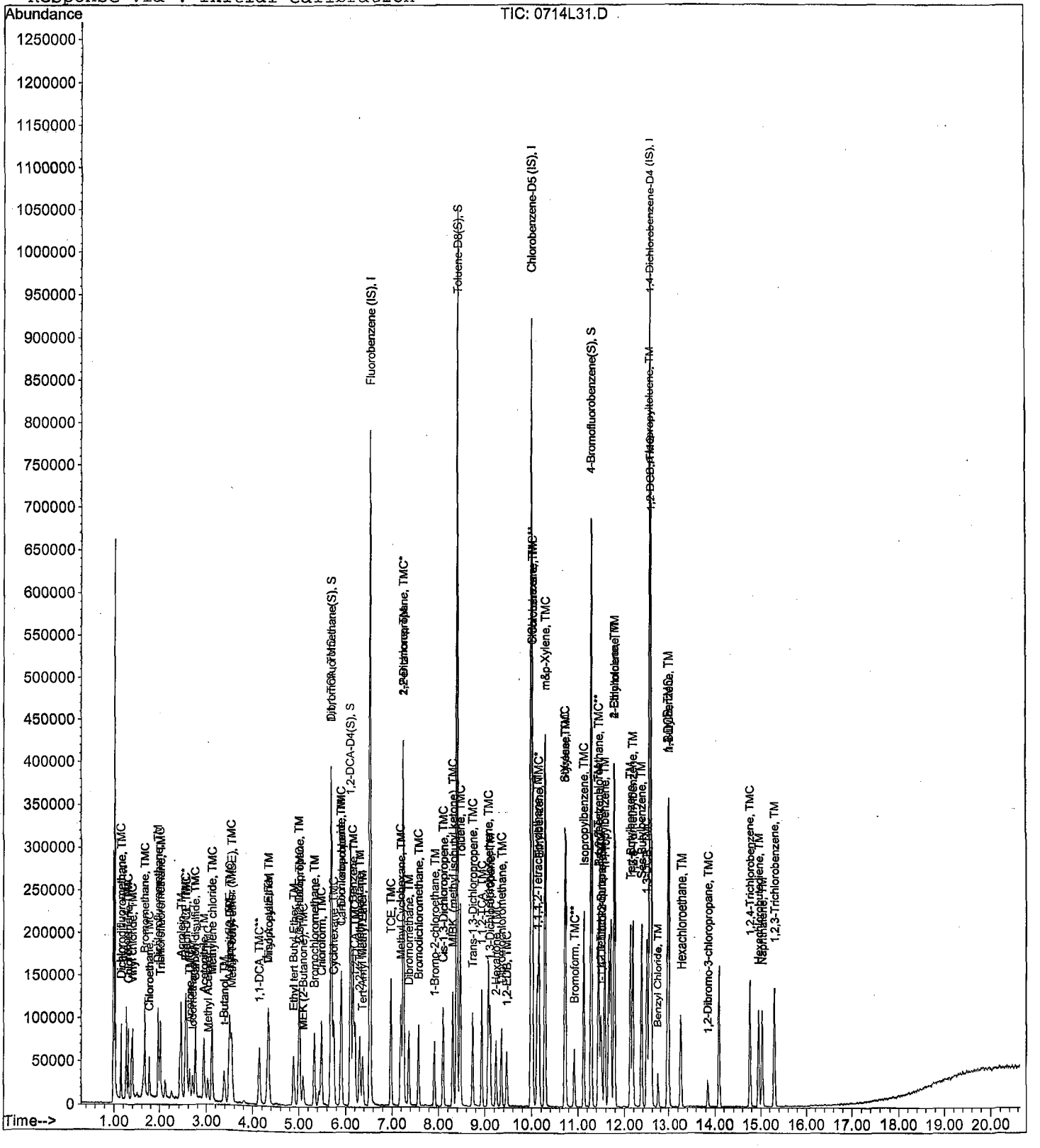
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\LOKI\DATA\210712\0714L31.D Vial: 31
Acq On : 14 Jul 21 23:57 Operator:
Sample : 210714B LCSD 10ug/L Inst : Loki
Misc : IS&S: 10/21/20, 11/11/20 Multiplr: 1.00

Quant Time: Jul 16 10:59 2021 Quant Results File: L0712NEW.RES

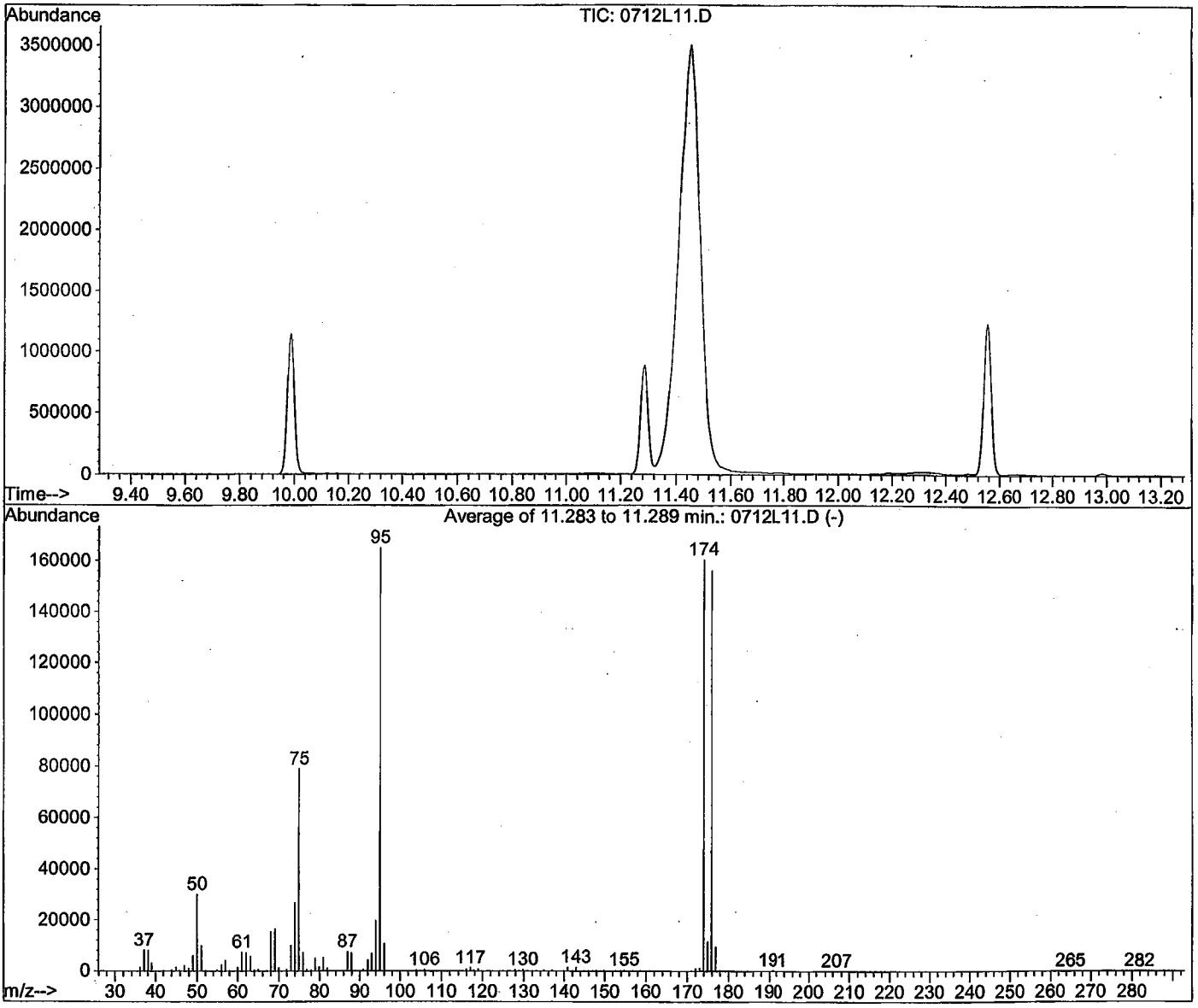
Method : M:\LOKI\DATA\210712\L0712NEW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Jul 16 10:45:51 2021
Response via : Initial Calibration



Data File : M:\LOKI\DATA\210712\0712L11.D
Acq On : 12 Jul 21 13:42
Sample : 25ug/L BFB STD 5/3/21
Misc : IS&S: 10/21/20, 11/11/20

Vial: 1
Operator:
Inst : Loki
Multiplr: 1.00

Method : M:\LOKI\DATA\210712\L0712NEW.M (RTE Integrator)
Title : METHOD 8260B



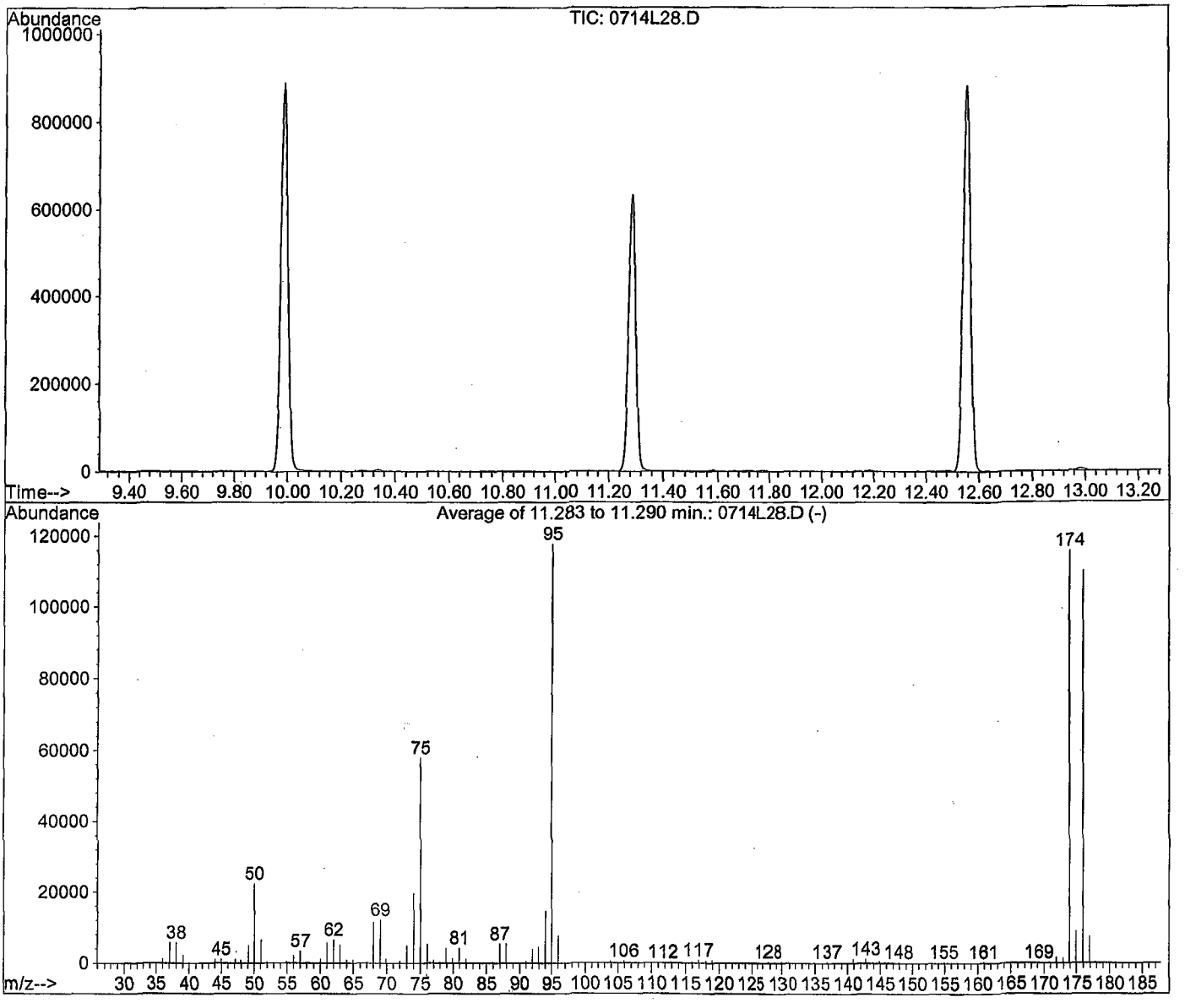
AutoFind: Scans 3419, 3420, 3421; Background Corrected with Scan 3402

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.3	30304	PASS
75	95	30	60	47.8	78976	PASS
95	95	100	100	100.0	165227	PASS
96	95	5	9	6.6	10845	PASS
173	174	0.00	2	0.8	1302	PASS
174	95	50	200	97.2	160683	PASS
175	174	5	9	7.2	11529	PASS
176	174	95	100	97.2	156181	PASS
177	176	5	9	6.1	9565	PASS

0712L11.D L0712NEW.M Fri Jul 16 11:22:05 2021

Data File : M:\LOKI\DATA\210712\0714L28.D Vial: 28
Acq On : 14 Jul 21 22:34 Operator:
Sample : 25ug/L BFB STD 5/3/21 Inst : Loki
Misc : IS&S: 10/21/20, 11/11/20 Multiplr: 1.00

Method : M:\LOKI\DATA\210712\L0712NEW.M (RTE Integrator)
Title : METHOD 8260B



AutoFind: Scans 3419, 3420, 3421; Background Corrected with Scan 3403

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.0	22336	PASS
75	95	30	60	49.2	57920	PASS
95	95	100	100	100.0	117824	PASS
96	95	5	9	6.4	7558	PASS
173	174	0.00	2	1.1	1285	PASS
174	95	50	200	98.3	115765	PASS
175	174	5	9	7.6	8800	PASS
176	174	95	100	95.1	110104	PASS
177	176	5	9	6.6	7218	PASS

0714L28.D L0712NEW.M Fri Jul 16 12:13:19 2021

Injection Log

Directory: M:\LOKI\DATA\210712\

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	1	0712L11.D	1	25ug/L BFB STD 5/3/21	IS&S: 10/21/20, 11/11/20	12 Jul 21 13:42
2	2	0712L12.D	1	0.3ug/L VOC STD 7/12/21	IS&S: 10/21/20, 11/11/20	12 Jul 21 14:09
3	3	0712L13.D	1	0.5ug/L VOC STD 7/12/21	IS&S: 10/21/20, 11/11/20	12 Jul 21 14:37
4	4	0712L14.D	1	1ug/L VOC STD 7/12/21	IS&S: 10/21/20, 11/11/20	12 Jul 21 15:04
5	5	0712L15.D	1	2ug/L VOC STD 7/12/21	IS&S: 10/21/20, 11/11/20	12 Jul 21 15:32
6	6	0712L16.D	1	5ug/L VOC STD 7/12/21	IS&S: 10/21/20, 11/11/20	12 Jul 21 15:59
7	7	0712L17.D	1	10ug/L VOC STD 7/12/21	IS&S: 10/21/20, 11/11/20	12 Jul 21 16:27
8	8	0712L18.D	1	20ug/L VOC STD 7/12/21	IS&S: 10/21/20, 11/11/20	12 Jul 21 16:54
9	9	0712L19.D	1	40ug/L VOC STD 7/12/21	IS&S: 10/21/20, 11/11/20	12 Jul 21 17:22
10	10	0712L20.D	1	100ug/L VOC STD 7/12/21	IS&S: 10/21/20, 11/11/20	12 Jul 21 17:49
11	12	0712L22.D	1	(SS) 10ug/L VOC STD 7/12/21	IS&S: 10/21/20, 11/11/20	12 Jul 21 18:45
12	28	0714L28.D	1	25ug/L BFB STD 5/3/21	IS&S: 10/21/20, 11/11/20	14 Jul 21 22:34
13	29	0714L29.D	1	210714B CCV 10ug/L	IS&S: 10/21/20, 11/11/20	14 Jul 21 23:01
14	30	0714L30.D	1	210714B LCS 10ug/L	IS&S: 10/21/20, 11/11/20	14 Jul 21 23:29
15	31	0714L31.D	1	210714B LCSD 10ug/L	IS&S: 10/21/20, 11/11/20	14 Jul 21 23:57
16	35	0714L35.D	1	210714B BLK	IS&S: 10/21/20, 11/11/20	15 Jul 21 1:46
17	36	0714L36.D	1	BA35744W01	IS&S: 10/21/20, 11/11/20	15 Jul 21 2:14
18	37	0714L37.D	1	BA35745W01	IS&S: 10/21/20, 11/11/20	15 Jul 21 2:42
19	38	0714L38.D	1	BA35747W01	IS&S: 10/21/20, 11/11/20	15 Jul 21 3:09
20	39	0714L39.D	1	BA35748W01	IS&S: 10/21/20, 11/11/20	15 Jul 21 3:37
21	40	0714L40.D	1	BA35750W01	IS&S: 10/21/20, 11/11/20	15 Jul 21 4:04
22	41	0714L41.D	1	BA35752W01	IS&S: 10/21/20, 11/11/20	15 Jul 21 4:32
23	42	0714L42.D	1	BA35753W01	IS&S: 10/21/20, 11/11/20	15 Jul 21 4:59
24	43	0714L43.D	1	Ending CCV 10ug/L 7/14/21	IS&S: 10/21/20, 11/11/20	15 Jul 21 5:26

ORGANICS
Calibration Data

VOLATILE ORGANIC ANALYSIS
VOLATILE ORGANIC COMPOUNDS

Form 6
Initial Calibration

Lab Name: APPL, Inc. SDG No:
Case No: Initial Cal. Date: 07/13/21
Matrix: Instrument: Loki

			0713L30.D	0713L31.D	0713L32.D	0713L33.D	0713L34.D	0713L35.D	0713L36.D				
		Compound	1	2	3	4	5	6	7				A
1	I	Fluorobenzene (IS)											
2	TMHBL	Gasoline C6-C10	6.765	2.795	1.476	0.5849	0.3858	0.3229	0.2782				1
3	I	Chlorobenzene-D5 (IS)											
4	I	1,4-Dichlorobenzene-D (IS)											
5													
6													
7													
8													
9													
10													
11													
12													
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32													
33													
34													
35													

Quantitation Report (QT Reviewed)

Data File : M:\LOKI\DATA\210712\0713L30.D Vial: 30
Acq On : 13 Jul 21 23:03 Operator:
Sample : 20ug/L GAS STD 7/13/21 Inst : Loki
Misc : IS&S: 10/21/20, 11/11/20 Multiplr: 1.00

Quant Time: Jul 28 16:53 2021 Quant Results File: LGAS0712.RES

Quant Method : M:\LOKI\DATA\210712\LGAS0712.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Wed Jul 14 09:20:33 2021
Response via : Initial Calibration
DataAcq Meth : 070721_L8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.53	TIC	1599646	25.00	ppb	0.00
3) Chlorobenzene-D5 (IS)	12.56	TIC	1766050	25.00	ppb	0.00
4) 1,4-Dichlorobenzene-D (IS)	12.56	TIC	1769813	25.00	ppb	0.00
System Monitoring Compounds						
Target Compounds						Qvalue
2) Gasoline C6-C10	8.39	TIC	8656762m	235.42	ppb	100

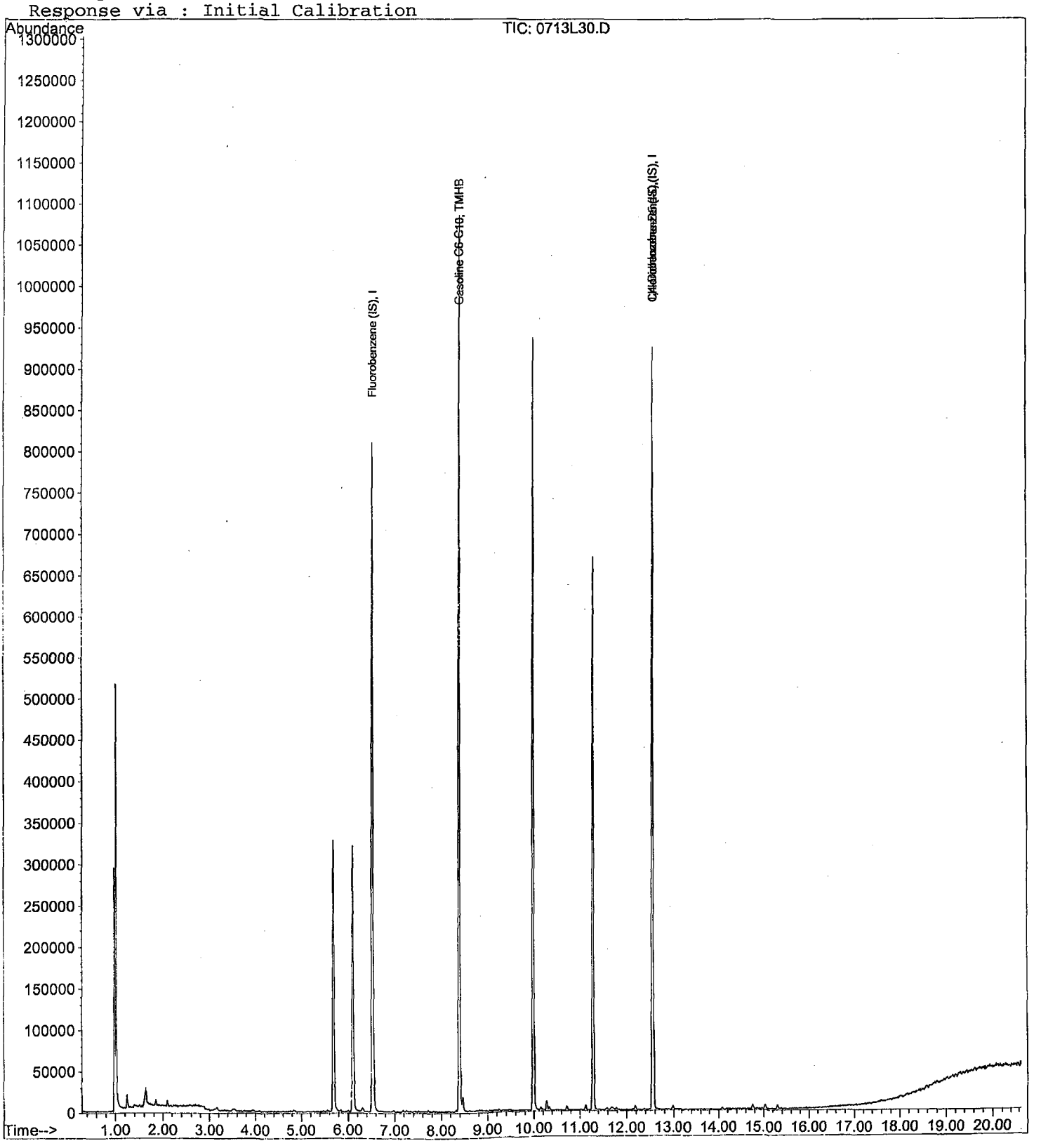
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\LOKI\DATA\210712\0713L30.D Vial: 30
Acq On : 13 Jul 21 23:03 Operator:
Sample : 20ug/L GAS STD 7/13/21 Inst : Loki
Misc : IS&S: 10/21/20, 11/11/20 Multiplr: 1.00

Quant Time: Jul 28 16:53 2021 Quant Results File: LGAS0712.RES

Method : M:\LOKI\DATA\210712\LGAS0712.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Wed Jul 28 16:56:38 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\LOKI\DATA\210712\0713L31.D Vial: 31
Acq On : 13 Jul 21 23:31 Operator:
Sample : 50ug/L GAS STD 7/13/21 Inst : Loki
Misc : IS&S: 10/21/20, 11/11/20 Multiplr: 1.00

Quant Time: Jul 28 16:54 2021 Quant Results File: LGAS0712.RES

Quant Method : M:\LOKI\DATA\210712\LGAS0712.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Wed Jul 14 09:20:33 2021
Response via : Initial Calibration
DataAcq Meth : 070721_L8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.53	TIC	1613057	25.00	ppb	0.00
3) Chlorobenzene-D5 (IS)	12.55	TIC	1798945	25.00	ppb	0.00
4) 1,4-Dichlorobenzene-D (IS)	12.55	TIC	1809501	25.00	ppb	0.00
System Monitoring Compounds						
Target Compounds						Qvalue
2) Gasoline C6-C10	8.39	TIC	9017570m	261.28	ppb	100

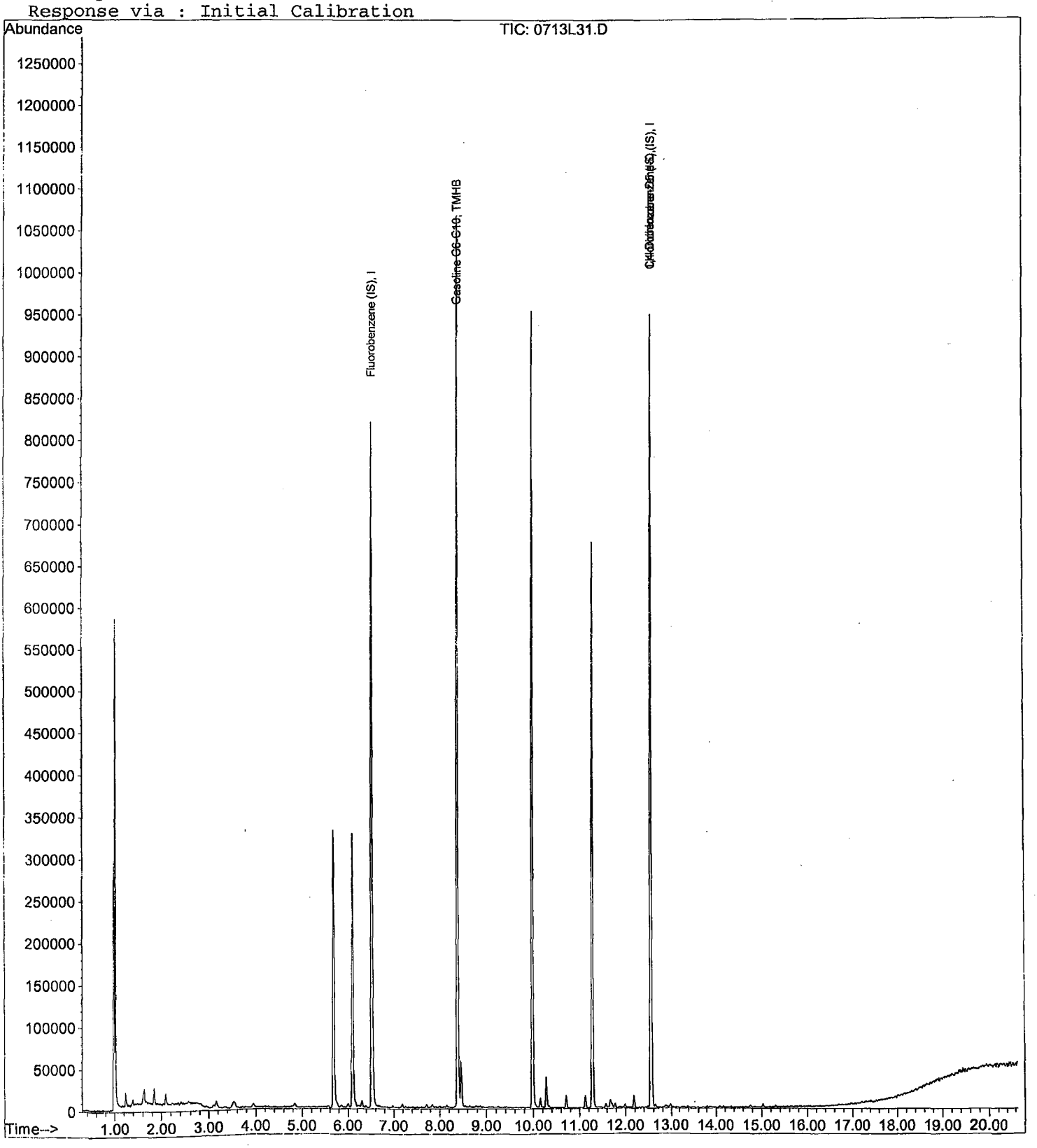
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\LOKI\DATA\210712\0713L31.D Vial: 31
Acq On : 13 Jul 21 23:31 Operator:
Sample : 50ug/L GAS STD 7/13/21 Inst : Loki
Misc : IS&S: 10/21/20, 11/11/20 Multiplr: 1.00

Quant Time: Jul 28 16:54 2021 Quant Results File: LGAS0712.RES

Method : M:\LOKI\DATA\210712\LGAS0712.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Wed Jul 28 16:56:38 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\LOKI\DATA\210712\0713L32.D Vial: 32
Acq On : 13 Jul 21 23:58 Operator:
Sample : 100ug/L GAS STD 7/13/21 Inst : Loki
Misc : IS&S: 10/21/20, 11/11/20 Multiplr: 1.00

Quant Time: Jul 28 16:54 2021 Quant Results File: LGAS0712.RES

Quant Method : M:\LOKI\DATA\210712\LGAS0712.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Wed Jul 14 09:20:33 2021
Response via : Initial Calibration
DataAcq Meth : 070721_L8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.53	TIC	1598507	25.00	ppb	0.00
3) Chlorobenzene-D5 (IS)	12.55	TIC	1808920	25.00	ppb	0.00
4) 1,4-Dichlorobenzene-D (IS)	12.55	TIC	1822142	25.00	ppb	0.00
System Monitoring Compounds						
Target Compounds						Qvalue
2) Gasoline C6-C10	8.39	TIC	9437689m	306.69	ppb	100

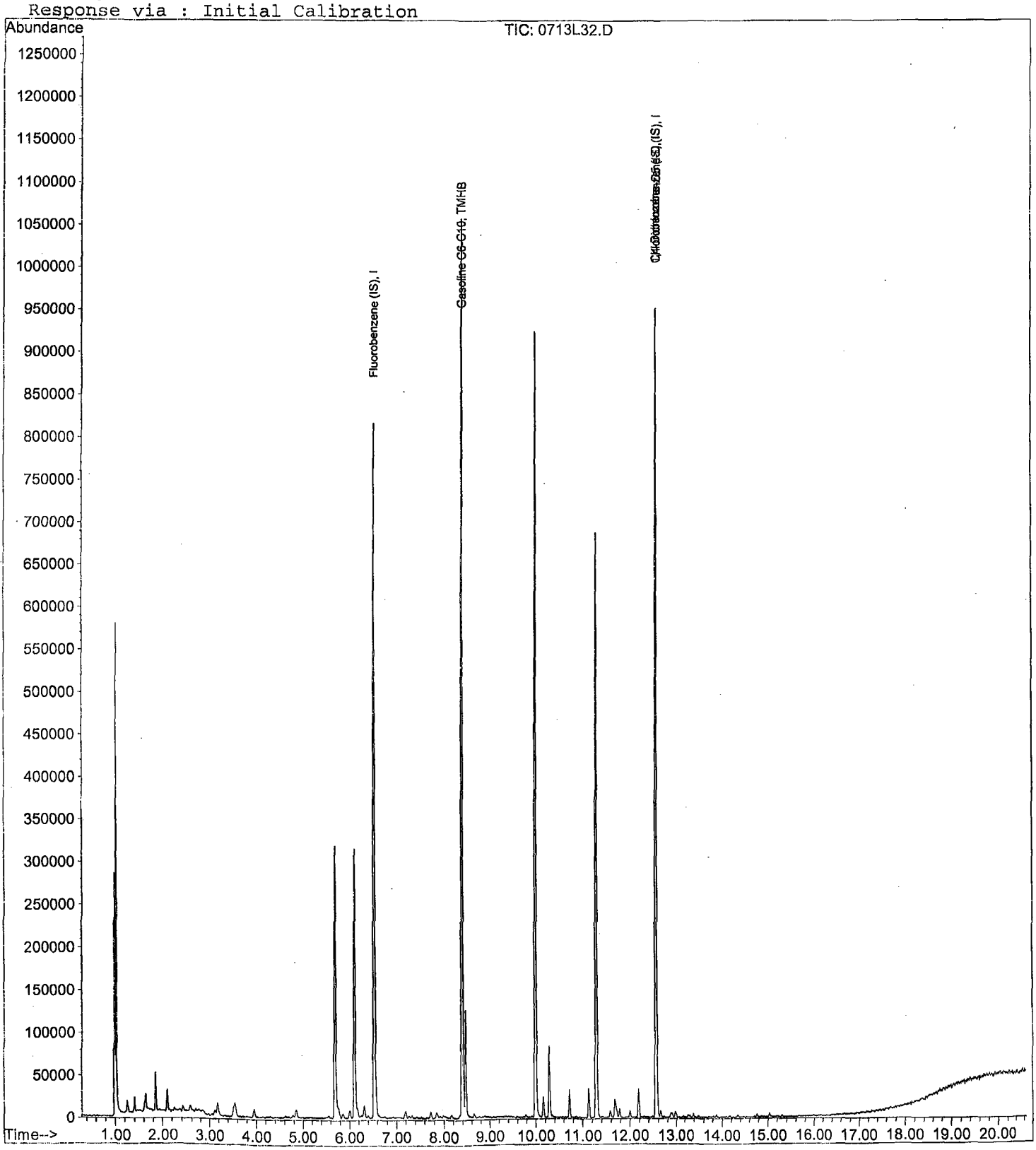
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\LOKI\DATA\210712\0713L32.D Vial: 32
Acq On : 13 Jul 21 23:58 Operator:
Sample : 100ug/L GAS STD 7/13/21 Inst : Loki
Misc : IS&S: 10/21/20, 11/11/20 Multiplr: 1.00

Quant Time: Jul 28 16:54 2021 Quant Results File: LGAS0712.RES

Method : M:\LOKI\DATA\210712\LGAS0712.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Wed Jul 28 16:56:38 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\LOKI\DATA\210712\0713L33.D Vial: 33
Acq On : 14 Jul 21 00:26 Operator:
Sample : 300ug/L GAS STD 7/13/21 Inst : Loki
Misc : IS&S: 10/21/20, 11/11/20 Multiplr: 1.00

Quant Time: Jul 28 16:55 2021 Quant Results File: LGAS0712.RES

Quant Method : M:\LOKI\DATA\210712\LGAS0712.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Wed Jul 14 09:20:33 2021
Response via : Initial Calibration
DataAcq Meth : 070721_L8260

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	6.53	TIC	1614292	25.00 ppb	0.00
3) Chlorobenzene-D5 (IS)	12.56	TIC	1809961	25.00 ppb	0.00
4) 1,4-Dichlorobenzene-D (IS)	12.56	TIC	1816730	25.00 ppb	0.00

System Monitoring Compounds

Target Compounds					Qvalue
2) Gasoline C6-C10	8.39	TIC	11330358m	468.03 ppb	100

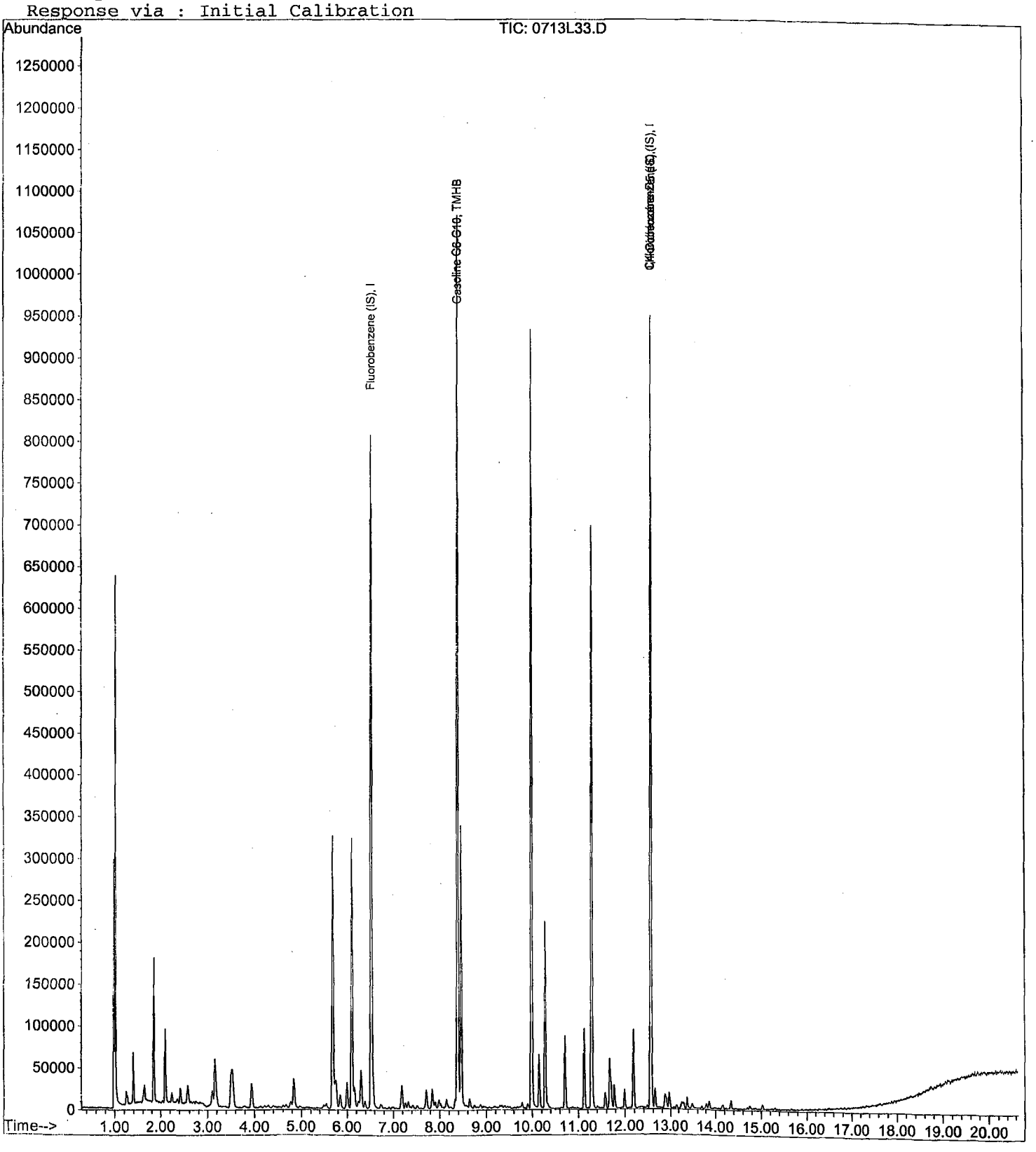
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\LOKI\DATA\210712\0713L33.D Vial: 33
Acq On : 14 Jul 21 00:26 Operator:
Sample : 300ug/L GAS STD 7/13/21 Inst : Loki
Misc : IS&S: 10/21/20, 11/11/20 Multiplr: 1.00

Quant Time: Jul 28 16:55 2021 Quant Results File: LGAS0712.RES

Method : M:\LOKI\DATA\210712\LGAS0712.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Wed Jul 28 16:56:38 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\LOKI\DATA\210712\0713L34.D Vial: 34
Acq On : 14 Jul 21 00:53 Operator:
Sample : 600ug/L GAS STD 7/13/21 Inst : Loki
Misc : IS&S: 10/21/20, 11/11/20 Multiplr: 1.00

Quant Time: Jul 28 16:55 2021 Quant Results File: LGAS0712.RES

Quant Method : M:\LOKI\DATA\210712\LGAS0712.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Wed Jul 14 09:20:33 2021
Response via : Initial Calibration
DataAcq Meth : 070721_L8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.53	TIC	1606587	25.00	ppb	0.00
3) Chlorobenzene-D5 (IS)	12.56	TIC	1768765	25.00	ppb	0.00
4) 1,4-Dichlorobenzene-D (IS)	12.56	TIC	1785173	25.00	ppb	0.00
System Monitoring Compounds						
Target Compounds						Qvalue
2) Gasoline C6-C10	8.39	TIC	14873905m	792.16	ppb	100

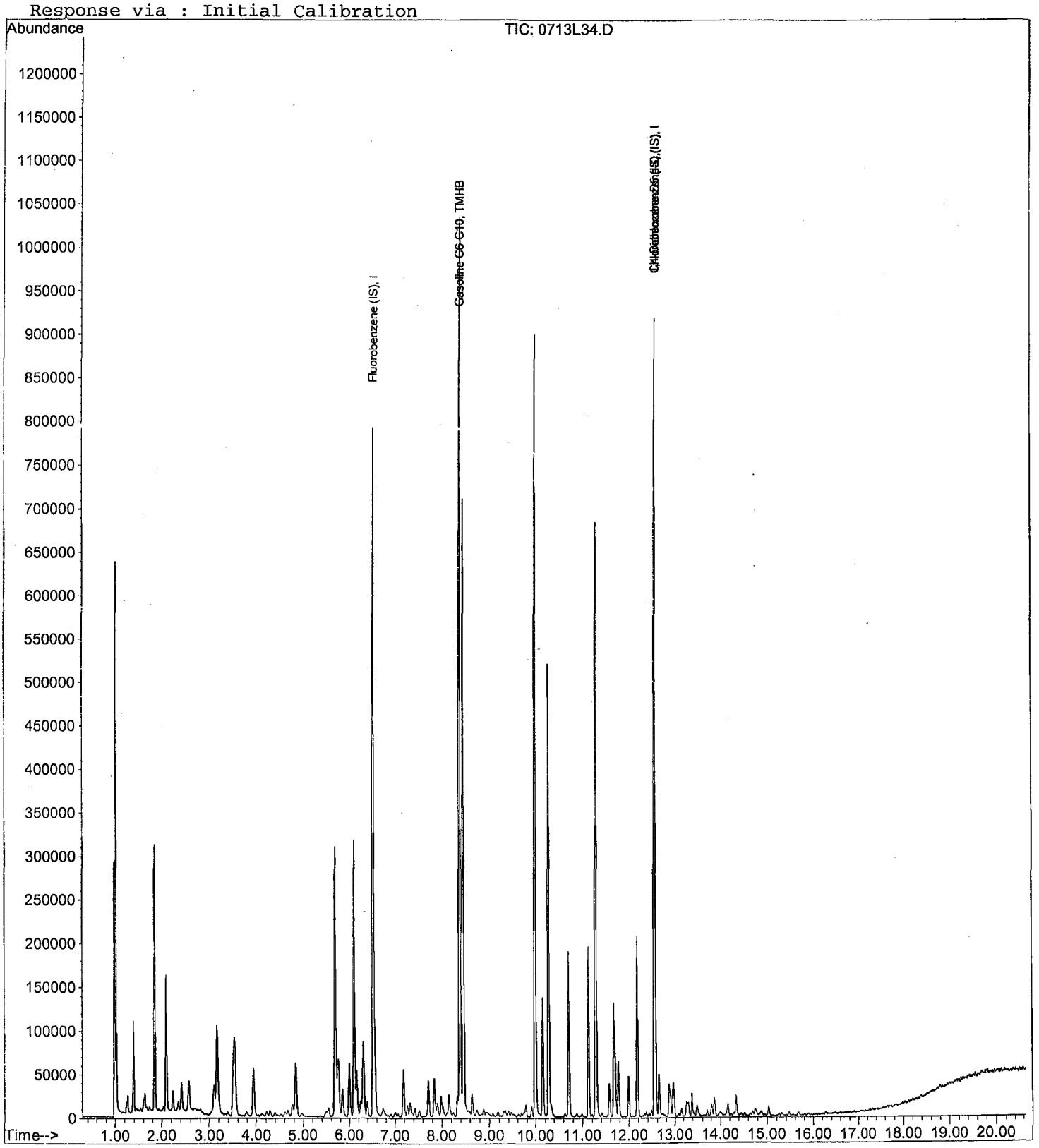
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\LOKI\DATA\210712\0713L34.D Vial: 34
Acq On : 14 Jul 21 00:53 Operator:
Sample : 600ug/L GAS STD 7/13/21 Inst : Loki
Misc : IS&S: 10/21/20, 11/11/20 Multiplr: 1.00

Quant Time: Jul 28 16:55 2021 Quant Results File: LGAS0712.RES

Method : M:\LOKI\DATA\210712\LGAS0712.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Wed Jul 28 16:56:38 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\LOKI\DATA\210712\0713L35.D Vial: 35
Acq On : 14 Jul 21 1:21 Operator:
Sample : 800ug/L GAS STD 7/13/21 Inst : Loki
Misc : IS&S: 10/21/20, 11/11/20 Multiplr: 1.00

Quant Time: Jul 28 16:56 2021 Quant Results File: LGAS0712.RES

Quant Method : M:\LOKI\DATA\210712\LGAS0712.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Wed Jul 14 09:20:33 2021
Response via : Initial Calibration
DataAcq Meth : 070721_L8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.53	TIC	1689554	25.00	ppb	0.00
3) Chlorobenzene-D5 (IS)	12.55	TIC	1871064	25.00	ppb	0.00
4) 1,4-Dichlorobenzene-D (IS)	12.55	TIC	1894488	25.00	ppb	0.00
System Monitoring Compounds						
Target Compounds						Qvalue
2) Gasoline C6-C10	8.39	TIC	17460280m	947.93	ppb	100

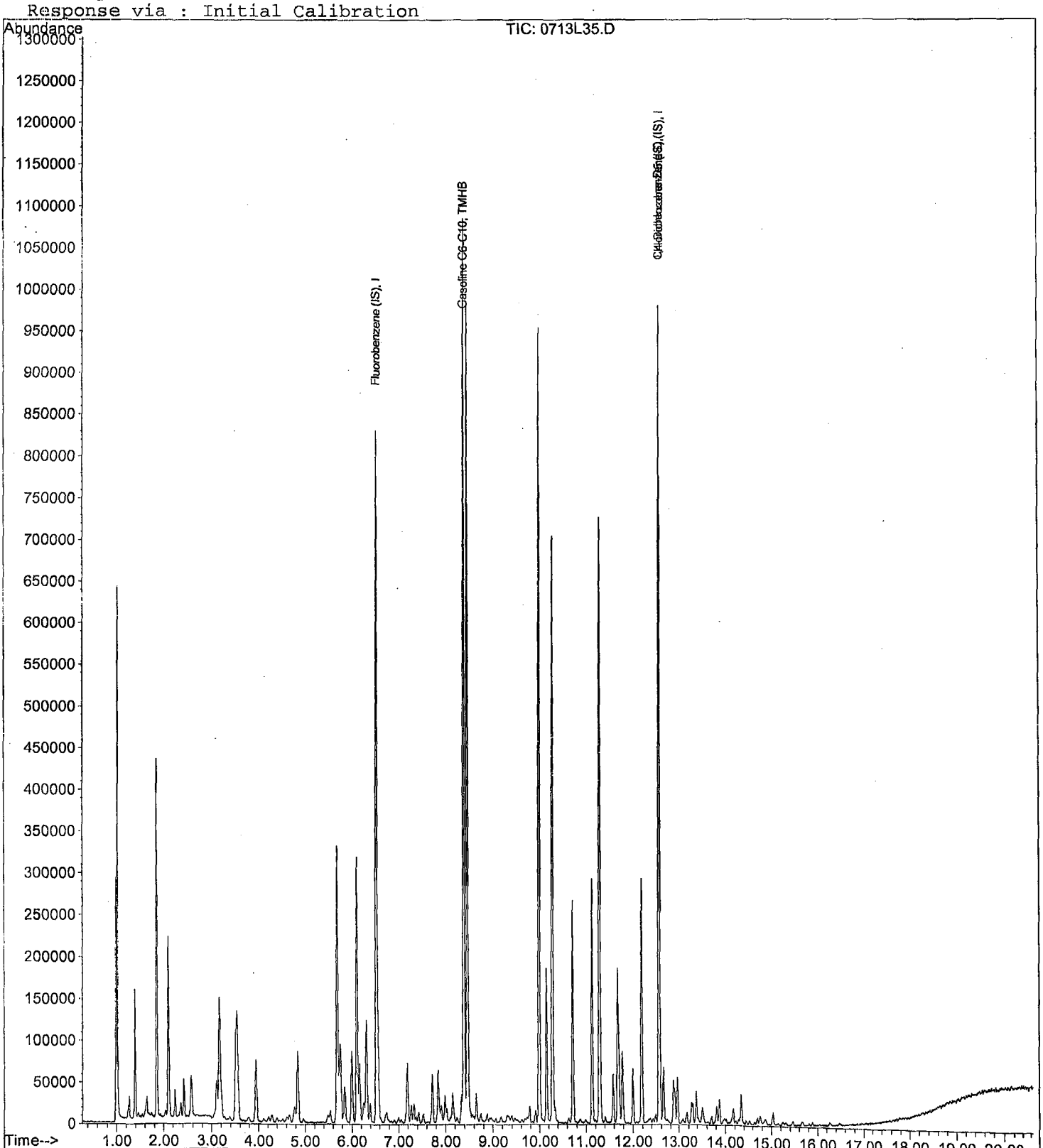
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\LOKI\DATA\210712\0713L35.D Vial: 35
Acq On : 14 Jul 21 1:21 Operator:
Sample : 800ug/L GAS STD 7/13/21 Inst : Loki
Misc : IS&S: 10/21/20, 11/11/20 Multiplr: 1.00

Quant Time: Jul 28 16:56 2021 Quant Results File: LGAS0712.RES

Method : M:\LOKI\DATA\210712\LGAS0712.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Wed Jul 28 16:56:38 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\LOKI\DATA\210712\0713L36.D Vial: 36
Acq On : 14 Jul 21 1:48 Operator:
Sample : 1000ug/L GAS STD 7/13/21 Inst : Loki
Misc : IS&S: 10/21/20, 11/11/20 Multiplr: 1.00

Quant Time: Jul 28 16:56 2021 Quant Results File: LGAS0712.RES

Quant Method : M:\LOKI\DATA\210712\LGAS0712.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Wed Jul 14 09:20:33 2021
Response via : Initial Calibration
DataAcq Meth : 070721_L8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.53	TIC	1738829	25.00	ppb	0.00
3) Chlorobenzene-D5 (IS)	12.55	TIC	1894921	25.00	ppb	0.00
4) 1,4-Dichlorobenzene-D (IS)	12.55	TIC	1918028	25.00	ppb	0.00

System Monitoring Compounds

Target Compounds						Qvalue
2) Gasoline C6-C10	8.46	TIC	19352167m	1063.02	ppb	100

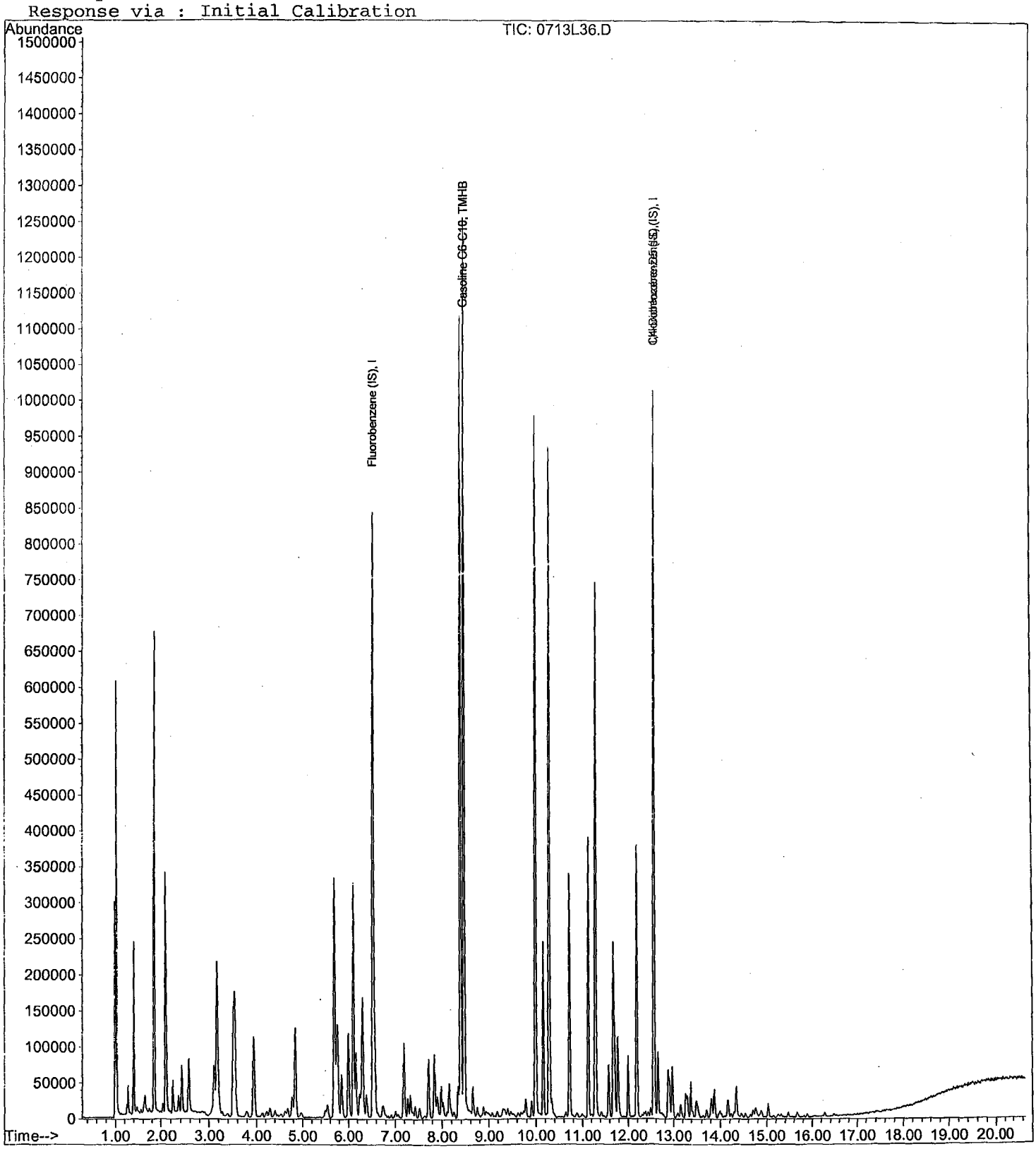
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\LOKI\DATA\210712\0713L36.D Vial: 36
Acq On : 14 Jul 21 1:48 Operator:
Sample : 1000ug/L GAS STD 7/13/21 Inst : Loki
Misc : IS&S: 10/21/20, 11/11/20 Multiplr: 1.00

Quant Time: Jul 28 16:56 2021 Quant Results File: LGAS0712.RES

Method : M:\LOKI\DATA\210712\LGAS0712.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Wed Jul 28 16:56:38 2021
Response via : Initial Calibration



VOLATILE ORGANIC ANALYSIS
VOLATILE ORGANIC COMPOUNDS

Form 7

Second Source Calibration

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

SDG No:
Date Analyzed: 07/14/21
Instrument: Loki
Initial Cal. Date: 07/13/21
Data File: 0713L37.D

		Compound	MEAN	CCRF	%D	%Drift	
1	TMHB	Gasoline C6-C10	1.801	0.6241	65	TMHBL	19
2							
3							
4							
5							
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35							
36							
37							
38							
39							
40							
		Average			65.0		

Quantitation Report (QT Reviewed)

Data File : M:\LOKI\DATA\210712\0713L37.D Vial: 37
Acq On : 14 Jul 21 2:16 Operator:
Sample : (SS) 300ug/L GAS STD 7/13/21 Inst : Loki
Misc : IS&S: 10/21/20, 11/11/20 Multiplr: 1.00

Quant Time: Jul 28 17:00 2021 Quant Results File: LGAS0712.RES

Quant Method : M:\LOKI\DATA\210712\LGAS0712.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Wed Jul 28 16:56:38 2021
Response via : Initial Calibration
DataAcq Meth : 070721_L8260

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	6.53	TIC	1653007	25.00 ppb	0.00
3) Chlorobenzene-D5 (IS)	12.56	TIC	1850556	25.00 ppb	0.00
4) 1,4-Dichlorobenzene-D (IS)	12.56	TIC	1869072	25.00 ppb	0.00
System Monitoring Compounds					
Target Compounds					Qvalue
2) Gasoline C6-C10	8.39	TIC	12379687m	357.78 ppb	100

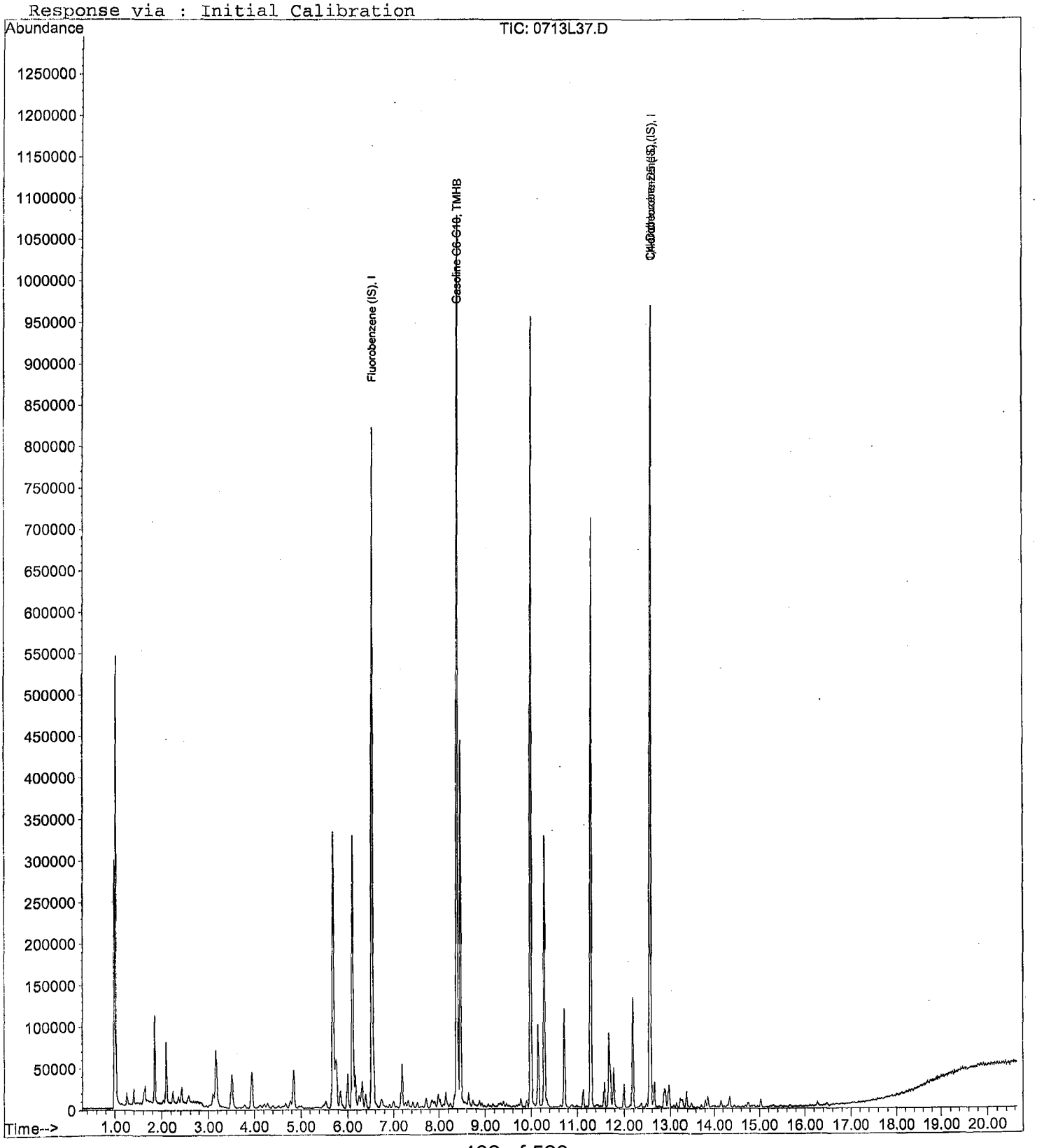
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\LOKI\DATA\210712\0713L37.D Vial: 37
Acq On : 14 Jul 21 2:16 Operator:
Sample : (SS) 300ug/L GAS STD 7/13/21 Inst : Loki
Misc : IS&S: 10/21/20, 11/11/20 Multiplr: 1.00

Quant Time: Jul 28 17:00 2021 Quant Results File: LGAS0712.RES

Method : M:\LOKI\DATA\210712\LGAS0712.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Wed Jul 28 16:56:38 2021
Response via : Initial Calibration



VOLATILE ORGANIC ANALYSIS
VOLATILE ORGANIC COMPOUNDS

Form 6
Initial Calibration

Lab Name: APPL, Inc. SDG No:
Case No: Initial Cal. Date: 07/12/21
Matrix: Instrument: Loki

			0712L12.D	0712L13.D	0712L14.D	0712L15.D	0712L16.D	0712L17.D	0712L18.D	0712L19.D	0712L20.D		
		Compound	1	2	3	4	5	6	7	8	9		A
1	I	Fluorobenzene (IS)											
2	S	Dibromofluoromethane(S)	0.3073	0.3043	0.2465	0.2512	0.2651	0.2676	0.2595	0.2590	0.2513		0
3	S	1,2-DCA-D4(S)	0.3542	0.3415	0.2809	0.2781	0.2995	0.2979	0.2885	0.2853	0.2739		0
4	I	Chlorobenzene-D5 (IS)											
5	S	Toluene-D8(S)	1.515	1.395	1.176	1.179	1.253	1.258	1.242	1.245	1.213		1
6	S	4-Bromofluorobenzene(S)	0.5316	0.4856	0.3867	0.3864	0.4126	0.4261	0.4233	0.4413	0.4422		0
7	I	1,4-Dichlorobenzene-D4 (IS)											
8													
9													
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35													

Quantitation Report (Not Reviewed)

Data File : M:\LOKI\DATA\210712\0712L12.D Vial: 2
Acq On : 12 Jul 21 14:09 Operator:
Sample : 0.3ug/L VOC STD 7/12/21 Inst : Loki
Misc : IS&S: 10/21/20, 11/11/20 Multiplr: 1.00

Quant Time: Jul 28 17:13 2021 Quant Results File: L0712SUR.RES

Quant Method : M:\LOKI\DATA\210712\L0712SUR.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Jul 13 09:37:25 2021
Response via : Initial Calibration
DataAcq Meth : 070721_L8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.53	96	997098	25.00	ppb	0.00
4) Chlorobenzene-D5 (IS)	9.99	117	763052	25.00	ppb	0.00
7) 1,4-Dichlorobenzene-D4 (IS	12.56	152	397311	25.00	ppb	0.00
System Monitoring Compounds						
2) Dibromofluoromethane(S)	5.69	113	61287	5.73	ppb	0.00
Spiked Amount 25.000			Recovery =	22.936%		
3) 1,2-DCA-D4(S)	6.10	65	70643	5.90	ppb	0.00
Spiked Amount 25.000			Recovery =	23.620%		
5) Toluene-D8(S)	8.39	98	231130	5.94	ppb	0.00
Spiked Amount 25.000			Recovery =	23.756%		
6) 4-Bromofluorobenzene(S)	11.29	174	81131	6.08	ppb	0.00
Spiked Amount 25.000			Recovery =	24.312%		

Target Compounds Qvalue

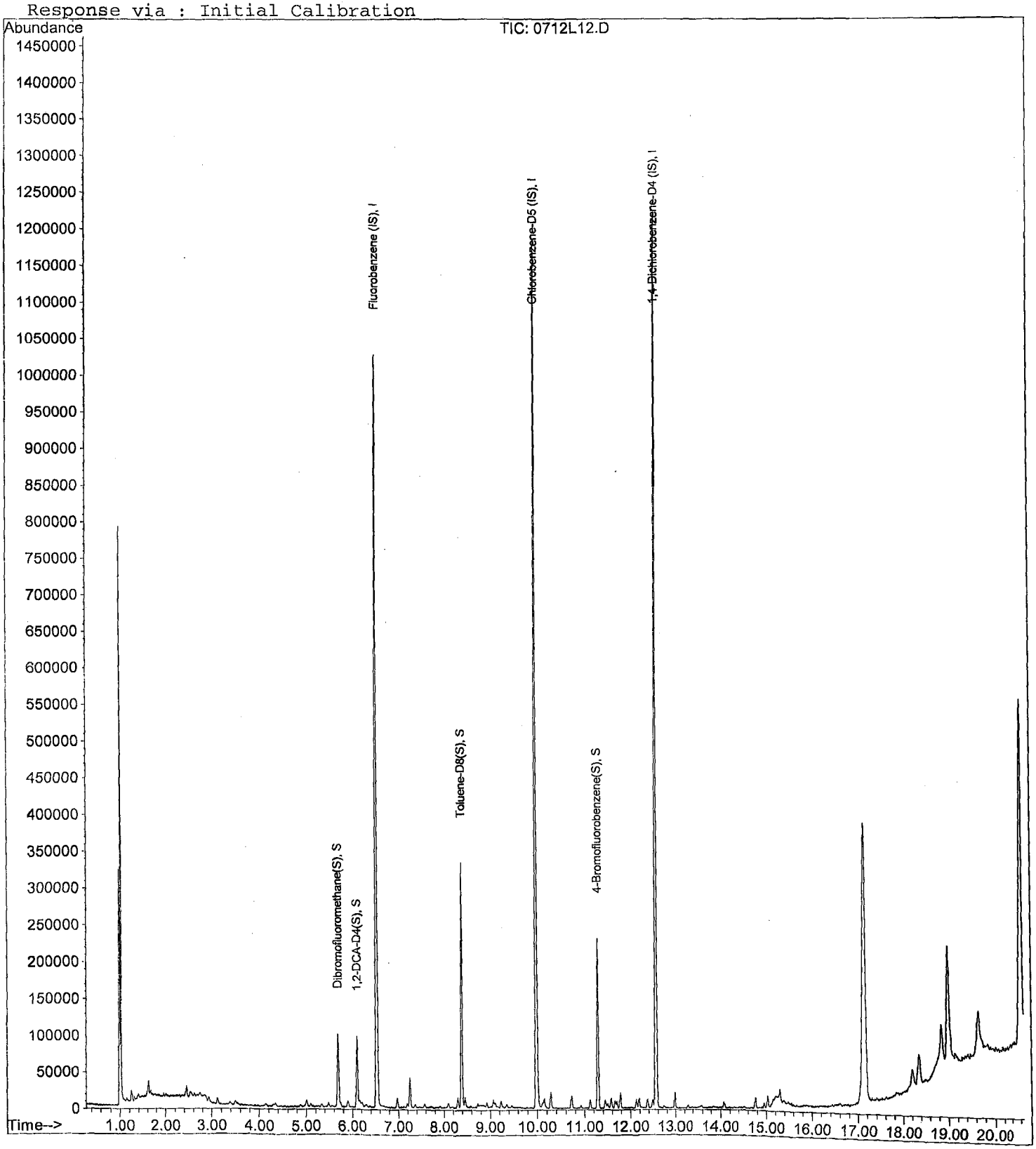
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\LOKI\DATA\210712\0712L12.D Vial: 2
Acq On : 12 Jul 21 14:09 Operator:
Sample : 0.3ug/L VOC STD 7/12/21 Inst : Loki
Misc : IS&S: 10/21/20, 11/11/20 Multiplr: 1.00

Quant Time: Jul 28 17:13 2021 Quant Results File: L0712SUR.RES

Method : M:\LOKI\DATA\210712\L0712SUR.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Jul 13 09:37:25 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\LOKI\DATA\210712\0712L13.D Vial: 3
Acq On : 12 Jul 21 14:37 Operator:
Sample : 0.5ug/L VOC STD 7/12/21 Inst : Loki
Misc : IS&S: 10/21/20, 11/11/20 Multiplr: 1.00

Quant Time: Jul 28 17:13 2021 Quant Results File: L0712SUR.RES

Quant Method : M:\LOKI\DATA\210712\L0712SUR.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Jul 13 09:37:25 2021
Response via : Initial Calibration
DataAcq Meth : 070721_L8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.53	96	981387	25.00	ppb	0.00
4) Chlorobenzene-D5 (IS)	9.99	117	758606	25.00	ppb	0.00
7) 1,4-Dichlorobenzene-D4 (IS	12.56	152	397816	25.00	ppb	0.00
System Monitoring Compounds						
2) Dibromofluoromethane(S)	5.69	113	59731	5.68	ppb	0.00
Spiked Amount 25.000			Recovery =	22.712%		
3) 1,2-DCA-D4(S)	6.10	65	67019	5.69	ppb	0.00
Spiked Amount 25.000			Recovery =	22.764%		
5) Toluene-D8(S)	8.39	98	211659	5.47	ppb	0.00
Spiked Amount 25.000			Recovery =	21.884%		
6) 4-Bromofluorobenzene(S)	11.29	174	73672	5.55	ppb	0.00
Spiked Amount 25.000			Recovery =	22.208%		

Target Compounds Qvalue

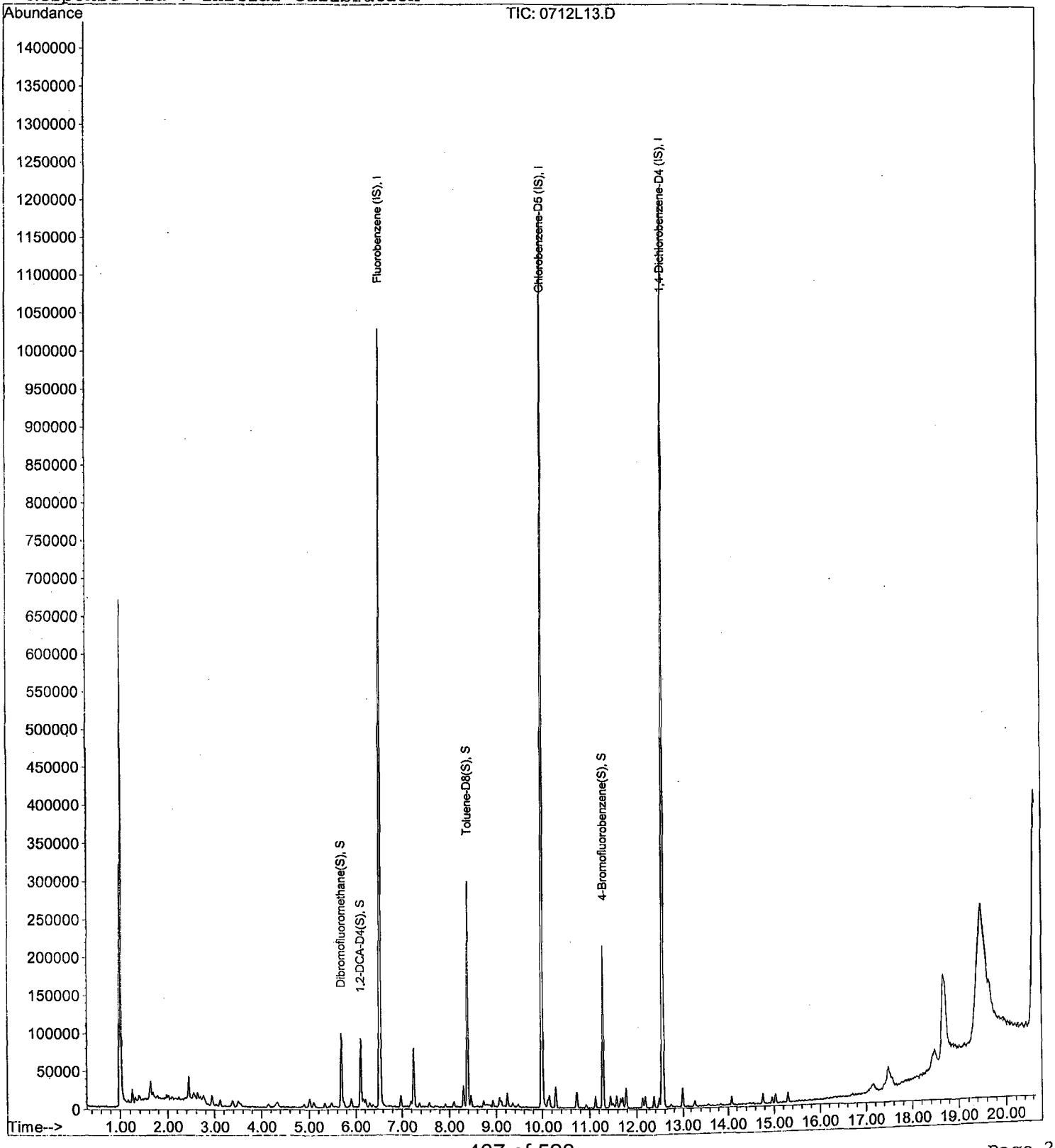
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\LOKI\DATA\210712\0712L13.D Vial: 3
Acq On : 12 Jul 21 14:37 Operator:
Sample : 0.5ug/L VOC STD 7/12/21 Inst : Loki
Misc : IS&S: 10/21/20, 11/11/20 Multiplr: 1.00

Quant Time: Jul 28 17:13 2021 Quant Results File: L0712SUR.RES

Method : M:\LOKI\DATA\210712\L0712SUR.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Jul 13 09:37:25 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\LOKI\DATA\210712\0712L14.D Vial: 4
Acq On : 12 Jul 21 15:04 Operator:
Sample : 1ug/L VOC STD 7/12/21 Inst : Loki
Misc : IS&S: 10/21/20, 11/11/20 Multiplr: 1.00

Quant Time: Jul 28 17:13 2021 Quant Results File: L0712SUR.RES

Quant Method : M:\LOKI\DATA\210712\L0712SUR.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Jul 13 09:37:25 2021
Response via : Initial Calibration
DataAcq Meth : 070721_L8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.53	96	962607	25.00	ppb	0.00
4) Chlorobenzene-D5 (IS)	9.99	117	740845	25.00	ppb	0.00
7) 1,4-Dichlorobenzene-D4 (IS	12.56	152	392381	25.00	ppb	0.00
System Monitoring Compounds						
2) Dibromofluoromethane(S)	5.69	113	94925	9.20	ppb	0.00
Spiked Amount 25.000			Recovery =	36.800%		
3) 1,2-DCA-D4(S)	6.10	65	108142	9.36	ppb	0.00
Spiked Amount 25.000			Recovery =	37.452%		
5) Toluene-D8(S)	8.39	98	348492	9.22	ppb	0.00
Spiked Amount 25.000			Recovery =	36.896%		
6) 4-Bromofluorobenzene(S)	11.28	174	114585	8.84	ppb	0.00
Spiked Amount 25.000			Recovery =	35.368%		

Target Compounds Qvalue

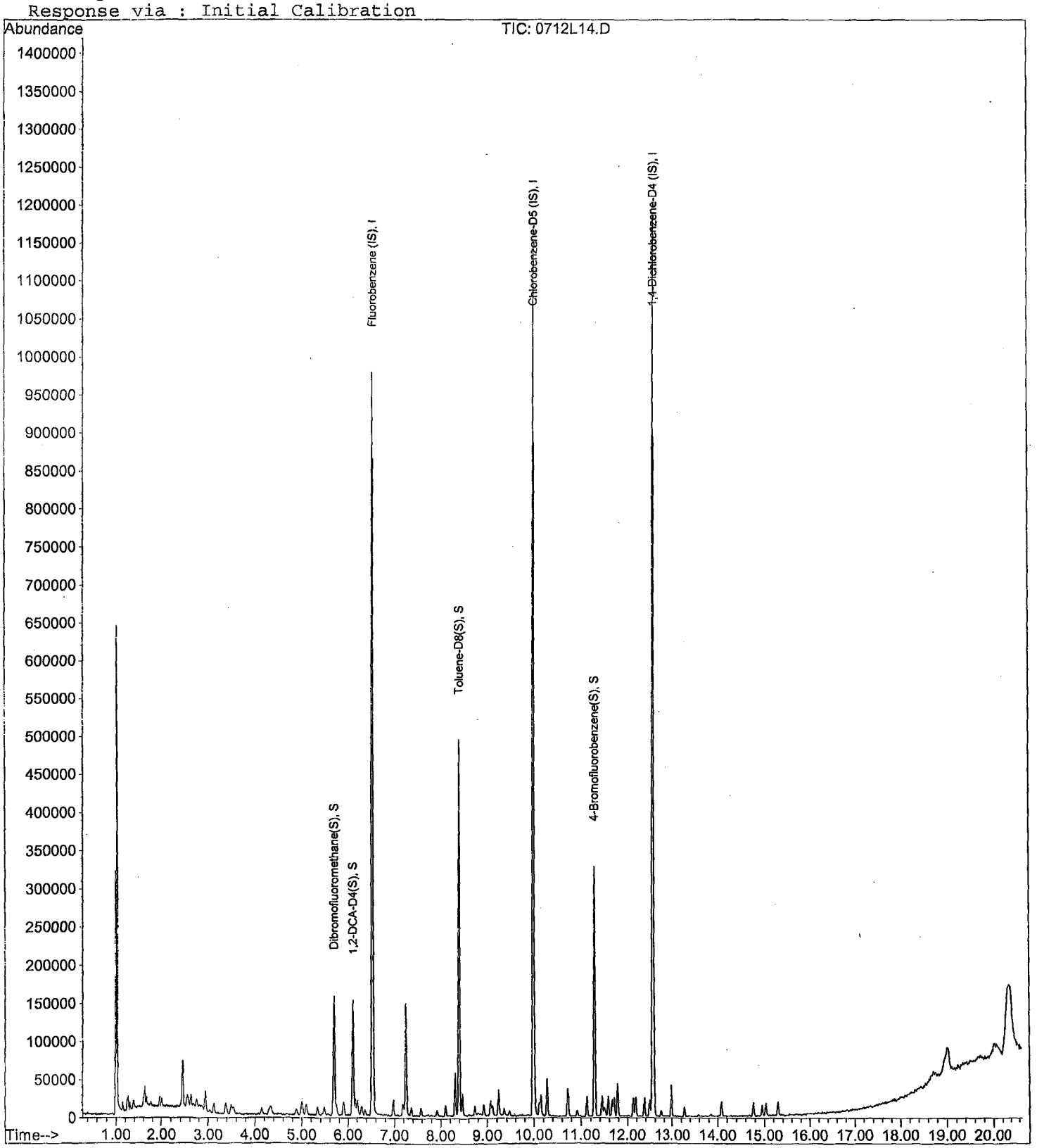
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\LOKI\DATA\210712\0712L14.D Vial: 4
Acq On : 12 Jul 21 15:04 Operator:
Sample : 1ug/L VOC STD 7/12/21 Inst : Loki
Misc : IS&S: 10/21/20, 11/11/20 Multiplr: 1.00

Quant Time: Jul 28 17:13 2021 Quant Results File: L0712SUR.RES

Method : M:\LOKI\DATA\210712\L0712SUR.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Jul 13 09:37:25 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\LOKI\DATA\210712\0712L15.D Vial: 5
Acq On : 12 Jul 21 15:32 Operator:
Sample : 2ug/L VOC STD 7/12/21 Inst : Loki
Misc : IS&S: 10/21/20, 11/11/20 Multiplr: 1.00

Quant Time: Jul 28 17:13 2021 Quant Results File: L0712SUR.RES

Quant Method : M:\LOKI\DATA\210712\L0712SUR.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Jul 13 09:37:25 2021
Response via : Initial Calibration
DataAcq Meth : 070721_L8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.53	96	952124	25.00	ppb	0.00
4) Chlorobenzene-D5 (IS)	9.99	117	734724	25.00	ppb	0.00
7) 1,4-Dichlorobenzene-D4 (IS	12.55	152	393177	25.00	ppb	0.00
System Monitoring Compounds						
2) Dibromofluoromethane(S)	5.69	113	95654	9.37	ppb	0.00
Spiked Amount 25.000			Recovery =	37.492%		
3) 1,2-DCA-D4(S)	6.10	65	105908	9.27	ppb	0.00
Spiked Amount 25.000			Recovery =	37.080%		
5) Toluene-D8(S)	8.39	98	346417	9.25	ppb	0.00
Spiked Amount 25.000			Recovery =	36.980%		
6) 4-Bromofluorobenzene(S)	11.29	174	113559	8.84	ppb	0.00
Spiked Amount 25.000			Recovery =	35.344%		

Target Compounds Qvalue

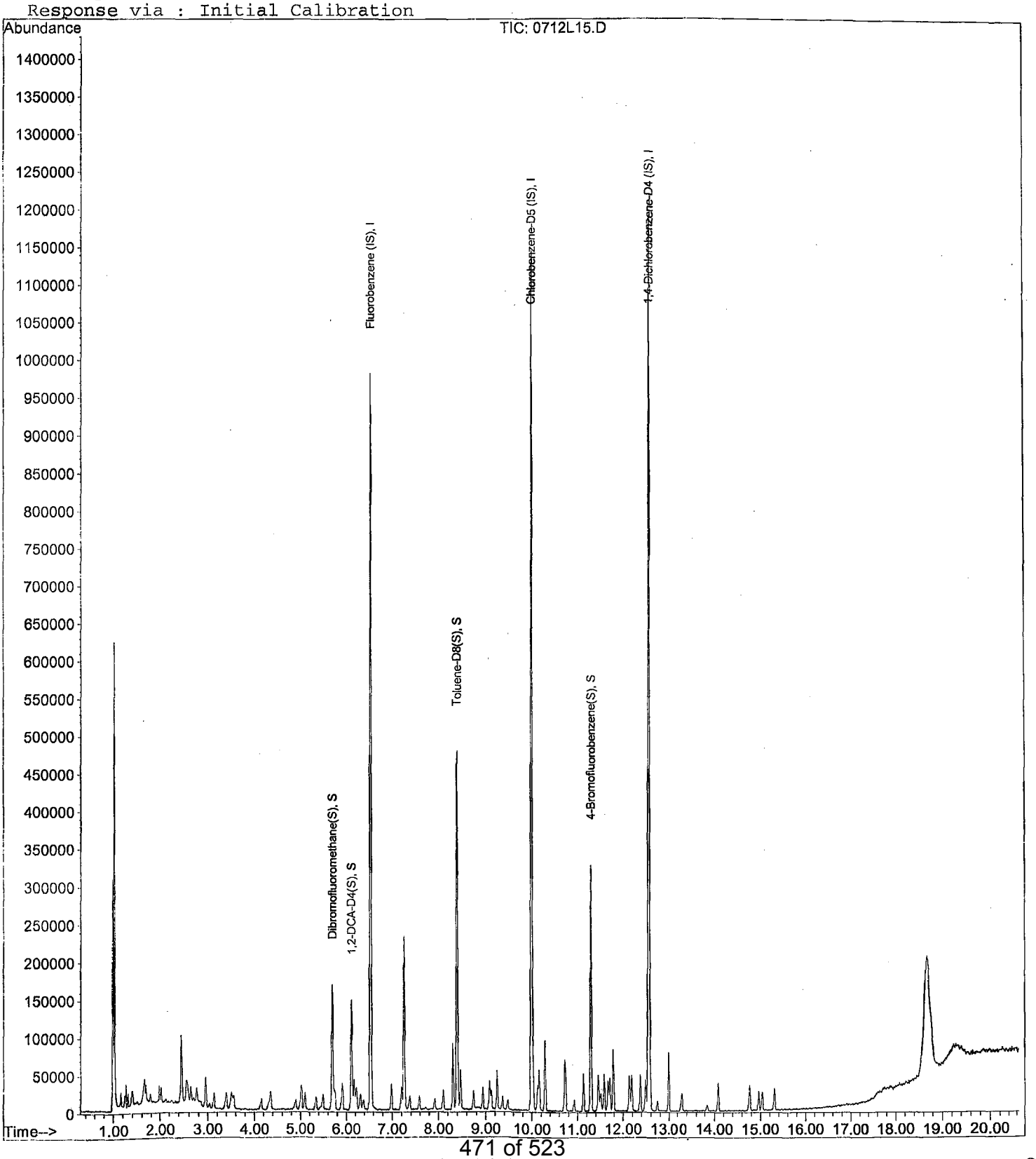
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\LOKI\DATA\210712\0712L15.D Vial: 5
Acq On : 12 Jul 21 15:32 Operator:
Sample : 2ug/L VOC STD 7/12/21 Inst : Loki
Misc : IS&S: 10/21/20, 11/11/20 Multiplr: 1.00

Quant Time: Jul 28 17:13 2021 Quant Results File: L0712SUR.RES

Method : M:\LOKI\DATA\210712\L0712SUR.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Jul 13 09:37:25 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\LOKI\DATA\210712\0712L16.D Vial: 6
Acq On : 12 Jul 21 15:59 Operator:
Sample : 5ug/L VOC STD 7/12/21 Inst : Loki
Misc : IS&S: 10/21/20, 11/11/20 Multiplr: 1.00

Quant Time: Jul 28 17:13 2021 Quant Results File: L0712SUR.RES

Quant Method : M:\LOKI\DATA\210712\L0712SUR.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Jul 13 09:37:25 2021
Response via : Initial Calibration
DataAcq Meth : 070721_L8260

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	6.53	96	941833	25.00 ppb	0.00
4) Chlorobenzene-D5 (IS)	9.99	117	737315	25.00 ppb	0.00
7) 1,4-Dichlorobenzene-D4 (IS	12.55	152	399690	25.00 ppb	0.00
System Monitoring Compounds					
2) Dibromofluoromethane(S)	5.69	113	249697	24.73 ppb	0.00
Spiked Amount 25.000			Recovery =	98.936%	
3) 1,2-DCA-D4(S)	6.10	65	282047	24.96 ppb	0.00
Spiked Amount 25.000			Recovery =	99.832%	
5) Toluene-D8(S)	8.39	98	923941	24.57 ppb	0.00
Spiked Amount 25.000			Recovery =	98.284%	
6) 4-Bromofluorobenzene(S)	11.29	174	304250	23.59 ppb	0.00
Spiked Amount 25.000			Recovery =	94.360%	

Target Compounds Qvalue

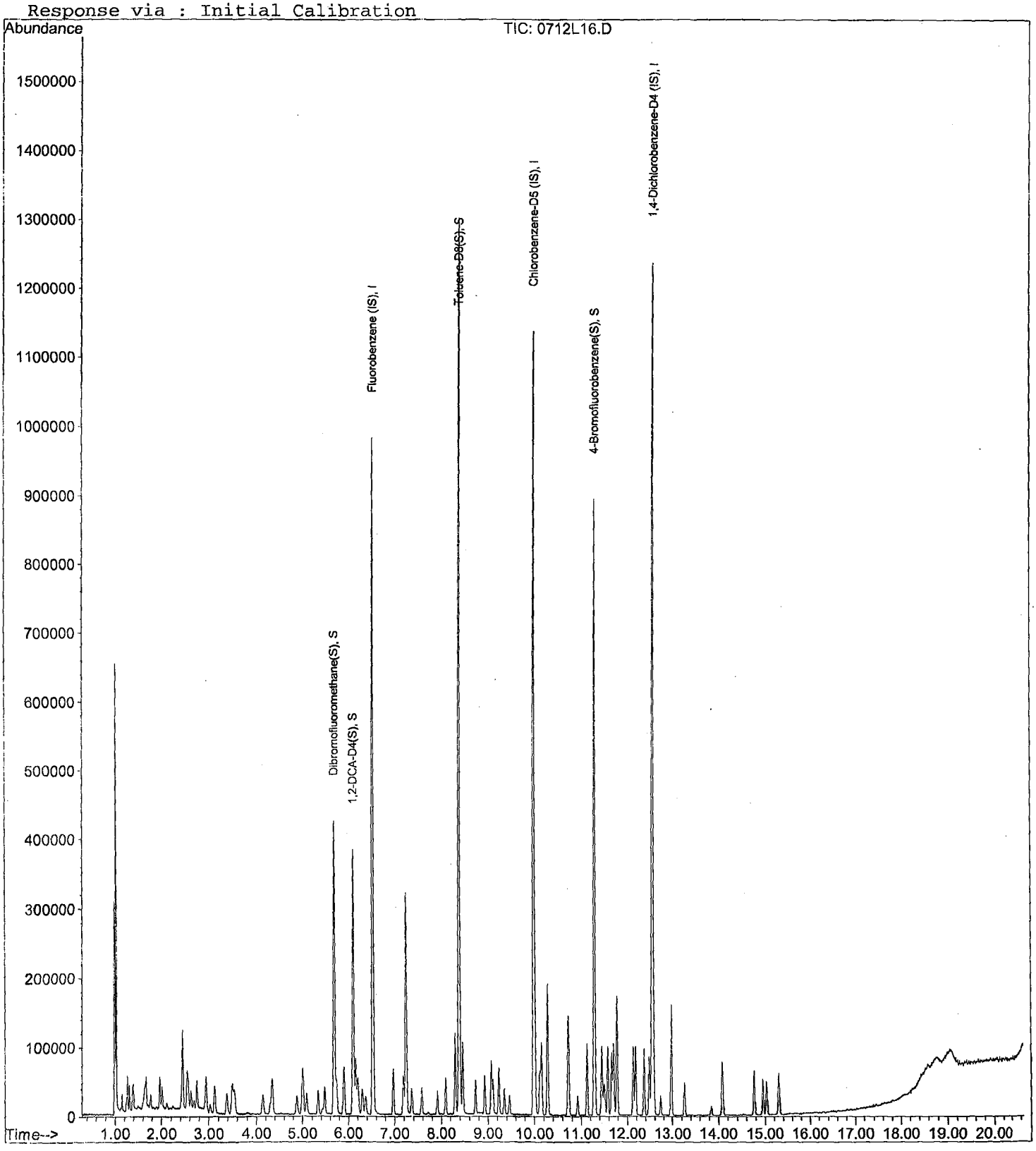
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\LOKI\DATA\210712\0712L16.D Vial: 6
Acq On : 12 Jul 21 15:59 Operator:
Sample : 5ug/L VOC STD 7/12/21 Inst : Loki
Misc : IS&S: 10/21/20, 11/11/20 Multiplr: 1.00

Quant Time: Jul 28 17:13 2021 Quant Results File: L0712SUR.RES

Method : M:\LOKI\DATA\210712\L0712SUR.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Jul 13 09:37:25 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\LOKI\DATA\210712\0712L17.D Vial: 7
Acq On : 12 Jul 21 16:27 Operator:
Sample : 10ug/L VOC STD 7/12/21 Inst : Loki
Misc : IS&S: 10/21/20, 11/11/20 Multiplr: 1.00

Quant Time: Jul 28 17:13 2021 Quant Results File: L0712SUR.RES

Quant Method : M:\LOKI\DATA\210712\L0712SUR.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Jul 13 09:37:25 2021
Response via : Initial Calibration
DataAcq Meth : 070721_L8260

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	6.53	96	970940	25.00 ppb	0.00
4) Chlorobenzene-D5 (IS)	9.99	117	752925	25.00 ppb	0.00
7) 1,4-Dichlorobenzene-D4 (IS	12.56	152	428056	25.00 ppb	0.00
System Monitoring Compounds					
2) Dibromofluoromethane(S)	5.69	113	259828	24.97 ppb	0.00
Spiked Amount 25.000			Recovery =	99.864%	
3) 1,2-DCA-D4(S)	6.10	65	289221	24.83 ppb	0.00
Spiked Amount 25.000			Recovery =	99.304%	
5) Toluene-D8(S)	8.39	98	946846	24.66 ppb	0.00
Spiked Amount 25.000			Recovery =	98.632%	
6) 4-Bromofluorobenzene(S)	11.29	174	320820	24.36 ppb	0.00
Spiked Amount 25.000			Recovery =	97.436%	

Target Compounds Qvalue

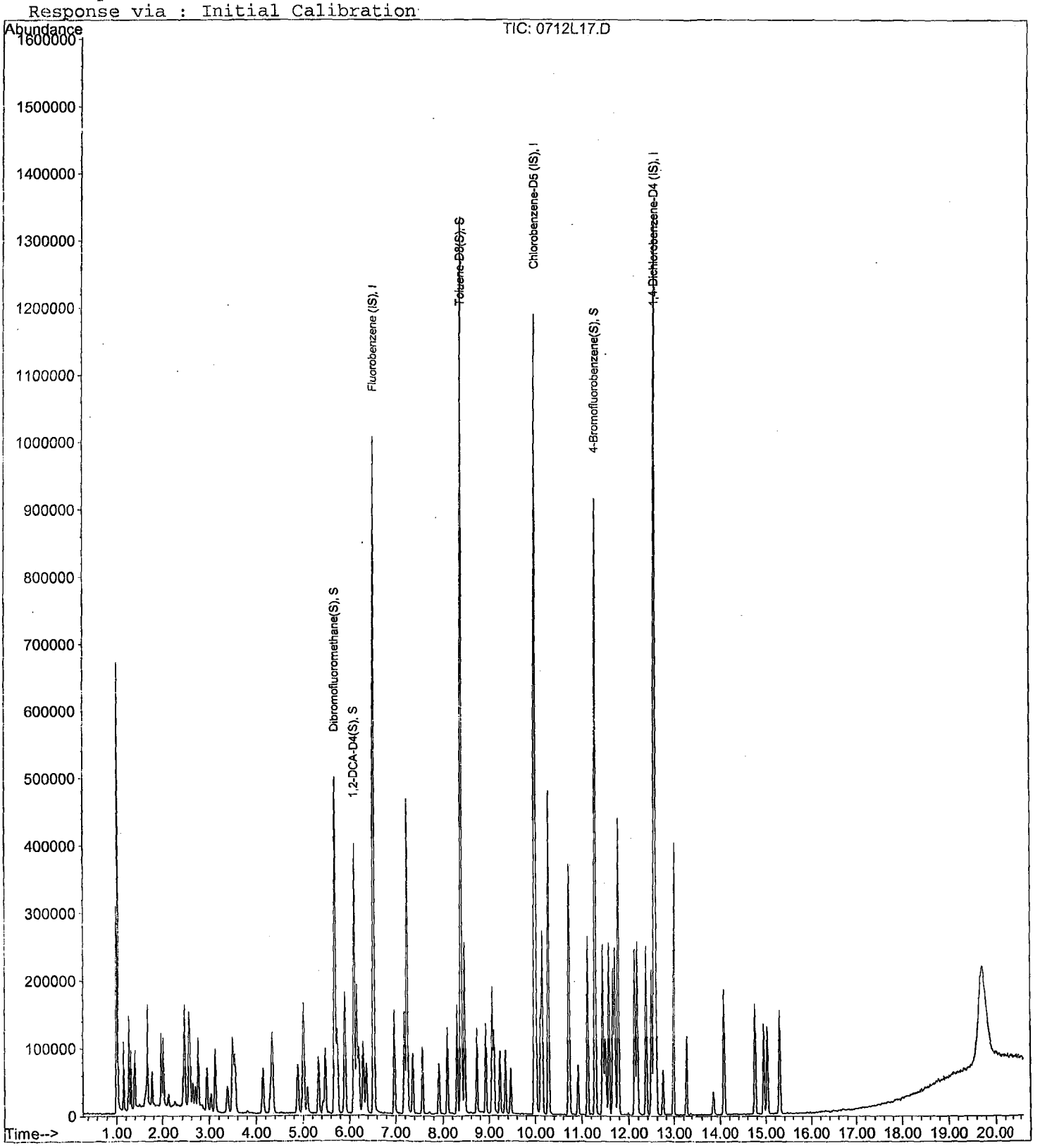
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\LOKI\DATA\210712\0712L17.D Vial: 7
Acq On : 12 Jul 21 16:27 Operator:
Sample : 10ug/L VOC STD 7/12/21 Inst : Loki
Misc : IS&S: 10/21/20, 11/11/20 Multiplr: 1.00

Quant Time: Jul 28 17:13 2021 Quant Results File: L0712SUR.RES

Method : M:\LOKI\DATA\210712\L0712SUR.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Jul 13 09:37:25 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\LOKI\DATA\210712\0712L18.D Vial: 8
Acq On : 12 Jul 21 16:54 Operator:
Sample : 20ug/L VOC STD 7/12/21 Inst : Loki
Misc : IS&S: 10/21/20, 11/11/20 Multiplr: 1.00

Quant Time: Jul 28 17:13 2021 Quant Results File: L0712SUR.RES

Quant Method : M:\LOKI\DATA\210712\L0712SUR.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Jul 13 09:37:25 2021
Response via : Initial Calibration
DataAcq Meth : 070721_L8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.53	96	951157	25.00	ppb	0.00
4) Chlorobenzene-D5 (IS)	9.99	117	747841	25.00	ppb	0.00
7) 1,4-Dichlorobenzene-D4 (IS	12.55	152	432926	25.00	ppb	0.00
System Monitoring Compounds						
2) Dibromofluoromethane(S)	5.69	113	493555	48.41	ppb	0.00
Spiked Amount 25.000			Recovery =	193.640%		
3) 1,2-DCA-D4(S)	6.10	65	548779	48.09	ppb	0.00
Spiked Amount 25.000			Recovery =	192.340%		
5) Toluene-D8(S)	8.39	98	1858003	48.72	ppb	0.00
Spiked Amount 25.000			Recovery =	194.864%		
6) 4-Bromofluorobenzene(S)	11.29	174	633195	48.40	ppb	0.00
Spiked Amount 25.000			Recovery =	193.616%		

Target Compounds Qvalue

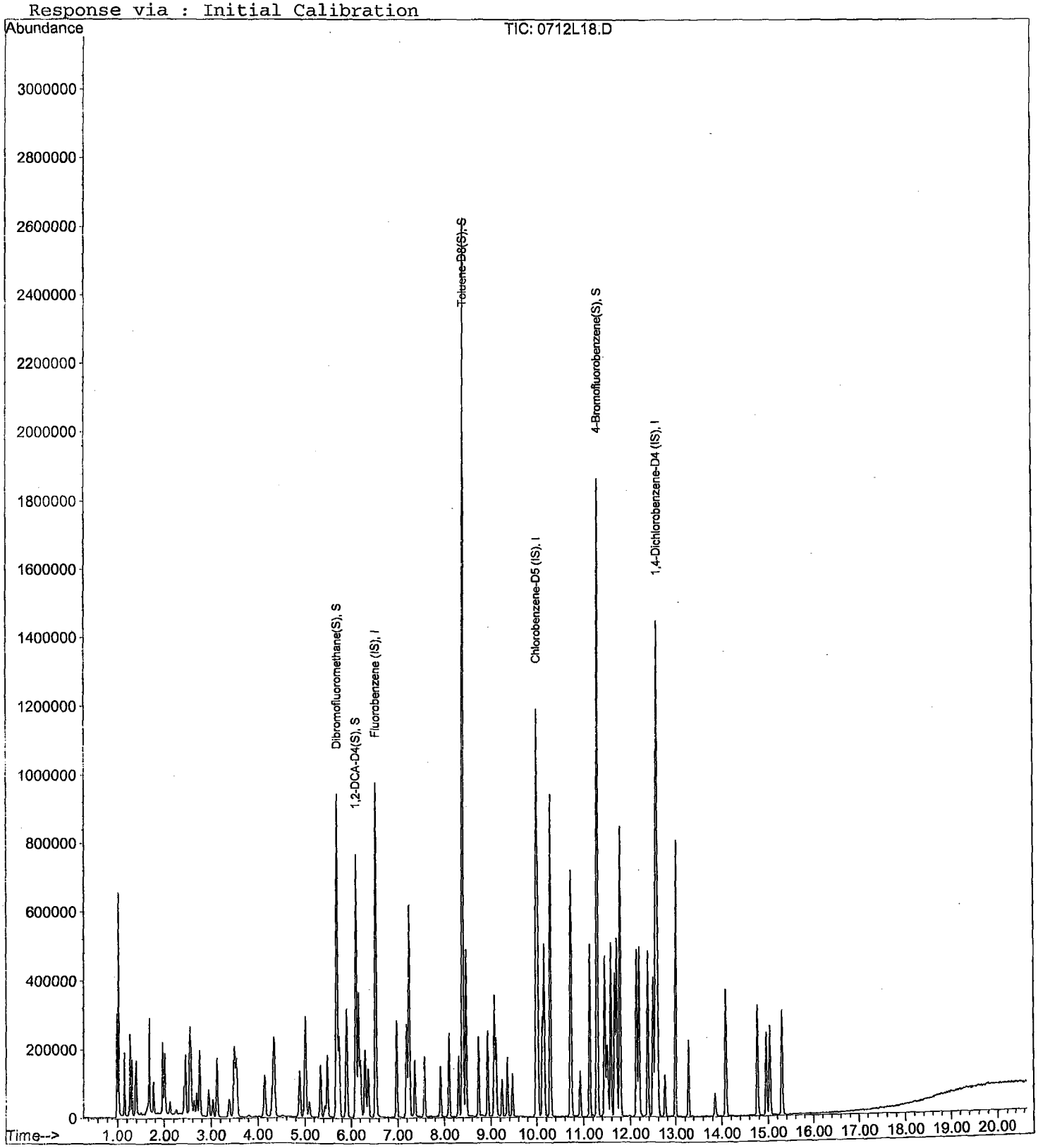
(#) = qualifier out of range (m) = manual integration
0712L18.D L0712SUR.M Wed Jul 28 17:16:44 2021

Quantitation Report

Data File : M:\LOKI\DATA\210712\0712L18.D Vial: 8
Acq On : 12 Jul 21 16:54 Operator:
Sample : 20ug/L VOC STD 7/12/21 Inst : Loki
Misc : IS&S: 10/21/20, 11/11/20 Multiplr: 1.00

Quant Time: Jul 28 17:13 2021 Quant Results File: L0712SUR.RES

Method : M:\LOKI\DATA\210712\L0712SUR.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Jul 13 09:37:25 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\LOKI\DATA\210712\0712L19.D Vial: 9
Acq On : 12 Jul 21 17:22 Operator:
Sample : 40ug/L VOC STD 7/12/21 Inst : Loki
Misc : IS&S: 10/21/20, 11/11/20 Multiplr: 1.00

Quant Time: Jul 28 17:13 2021 Quant Results File: L0712SUR.RES

Quant Method : M:\LOKI\DATA\210712\L0712SUR.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Jul 13 09:37:25 2021
Response via : Initial Calibration
DataAcq Meth : 070721_L8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.53	96	968501	25.00	ppb	0.00
4) Chlorobenzene-D5 (IS)	9.99	117	755400	25.00	ppb	0.00
7) 1,4-Dichlorobenzene-D4 (IS	12.55	152	457753	25.00	ppb	0.00
System Monitoring Compounds						
2) Dibromofluoromethane(S)	5.69	113	501615	48.32	ppb	0.00
Spiked Amount 25.000			Recovery = 193.276%			
3) 1,2-DCA-D4(S)	6.10	65	552671	47.56	ppb	0.00
Spiked Amount 25.000			Recovery = 190.236%			
5) Toluene-D8(S)	8.39	98	1881020	48.83	ppb	0.00
Spiked Amount 25.000			Recovery = 195.304%			
6) 4-Bromofluorobenzene(S)	11.29	174	666656	50.45	ppb	0.00
Spiked Amount 25.000			Recovery = 201.808%			

Target Compounds Qvalue

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

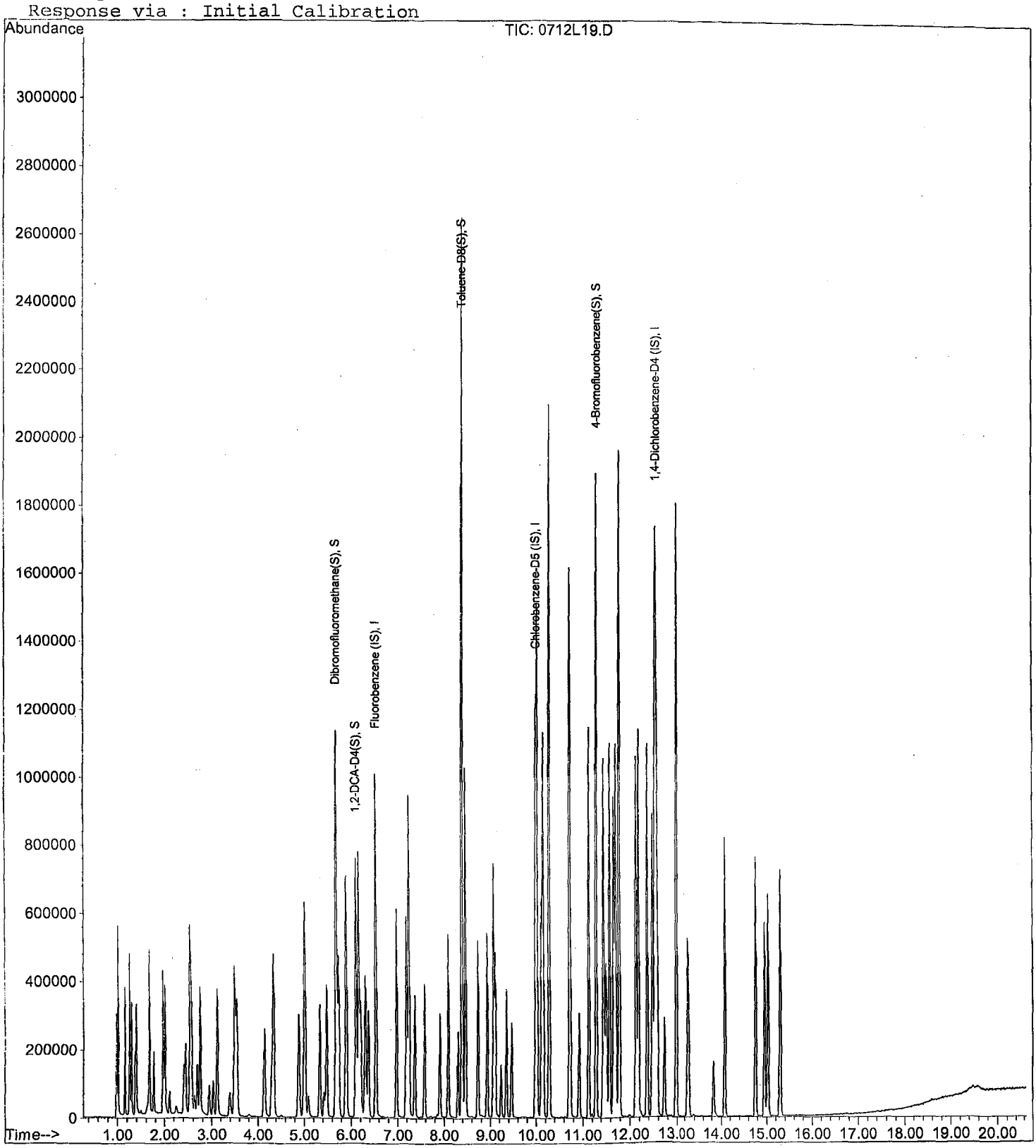
Quantitation Report

Data File : M:\LOKI\DATA\210712\0712L19.D
Acq On : 12 Jul 21 17:22
Sample : 40ug/L VOC STD 7/12/21
Misc : IS&S: 10/21/20, 11/11/20

Vial: 9
Operator:
Inst : Loki
Multiplr: 1.00

Quant Time: Jul 28 17:13 2021 Quant Results File: L0712SUR.RES

Method : M:\LOKI\DATA\210712\L0712SUR.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Jul 13 09:37:25 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\LOKI\DATA\210712\0712L20.D Vial: 10
Acq On : 12 Jul 21 17:49 Operator:
Sample : 100ug/L VOC STD 7/12/21 Inst : Loki
Misc : IS&S: 10/21/20, 11/11/20 Multiplr: 1.00

Quant Time: Jul 28 17:13 2021 Quant Results File: L0712SUR.RES

Quant Method : M:\LOKI\DATA\210712\L0712SUR.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Jul 13 09:37:25 2021
Response via : Initial Calibration
DataAcq Meth : 070721_L8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.53	96	974880	25.00	ppb	0.00
4) Chlorobenzene-D5 (IS)	9.99	117	767542	25.00	ppb	0.00
7) 1,4-Dichlorobenzene-D4 (IS	12.56	152	510505	25.00	ppb	0.00
System Monitoring Compounds						
2) Dibromofluoromethane(S)	5.69	113	979839	93.77	ppb	0.00
Spiked Amount 25.000			Recovery = 375.072%			
3) 1,2-DCA-D4(S)	6.10	65	1068172	91.32	ppb	0.00
Spiked Amount 25.000			Recovery = 365.272%			
5) Toluene-D8(S)	8.39	98	3723101	95.11	ppb	0.00
Spiked Amount 25.000			Recovery = 380.448%			
6) 4-Bromofluorobenzene(S)	11.29	174	1357501	101.11	ppb	0.00
Spiked Amount 25.000			Recovery = 404.436%			

Target Compounds Qvalue

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

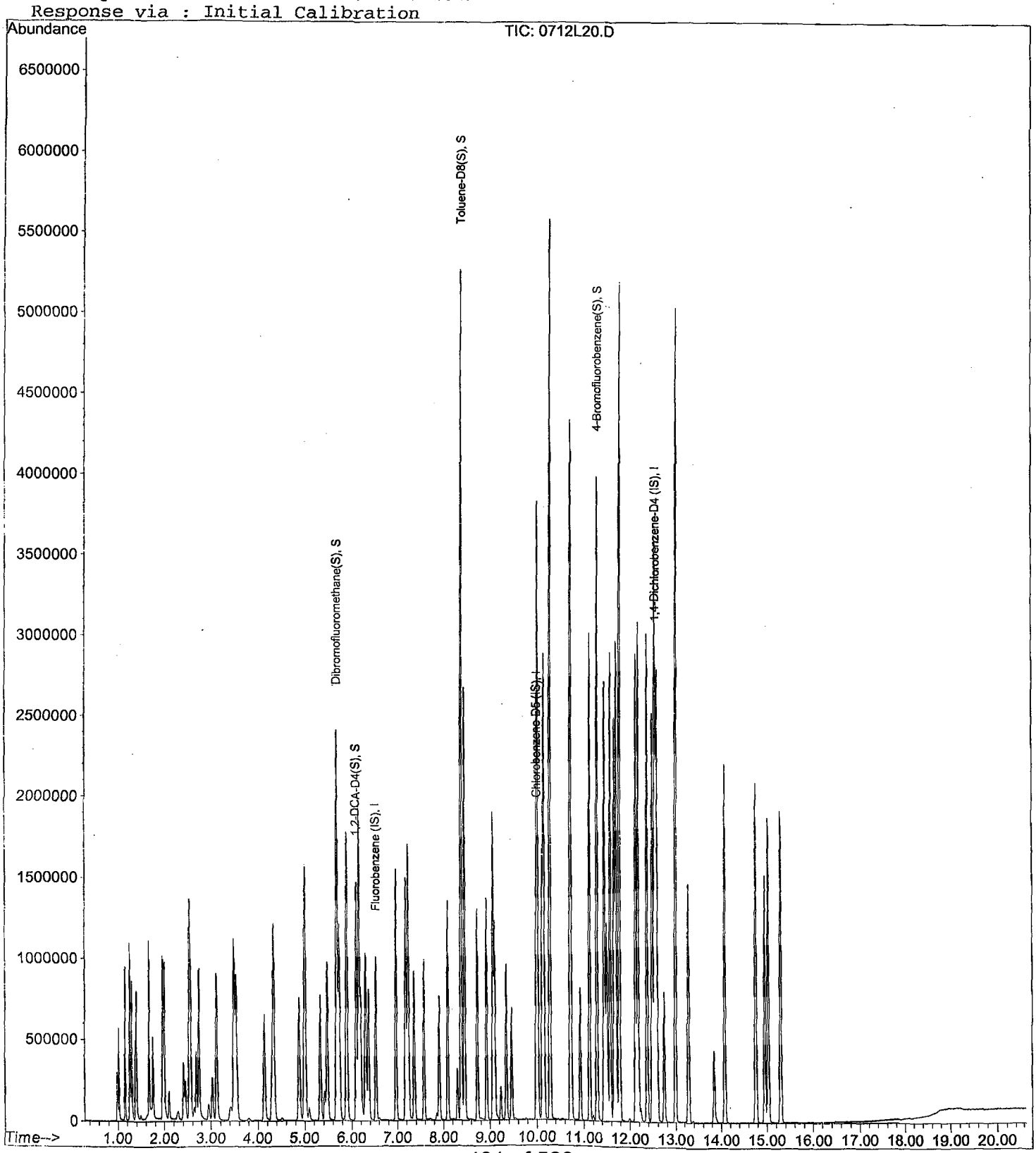
Quantitation Report

Data File : M:\LOKI\DATA\210712\0712L20.D
Acq On : 12 Jul 21 17:49
Sample : 100ug/L VOC STD 7/12/21
Misc : IS&S: 10/21/20, 11/11/20

Vial: 10
Operator:
Inst : Loki
Multiplr: 1.00

Quant Time: Jul 28 17:13 2021 Quant Results File: L0712SUR.RES

Method : M:\LOKI\DATA\210712\L0712SUR.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Jul 13 09:37:25 2021
Response via : Initial Calibration



VOLATILE ORGANIC ANALYSIS
VOLATILE ORGANIC COMPOUNDS

Form 7

Continuing Calibration

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

SDG No:
Date Analyzed: 07/15/21
Instrument: Loki
Initial Cal. Date: 07/12/21
Data File: 0714L32.D

		Compound	MEAN	CCRF	%D		%Drift
1	I	Fluorobenzene (IS)	ISTD			I	
2	TMHB	Gasoline C6-C10	1.801	0.5846	68	TMHBL	6.8
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			68.0		

VOLATILE ORGANIC ANALYSIS
VOLATILE ORGANIC COMPOUNDS

Form 7

Continuing Calibration

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

SDG No:
Date Analyzed: 07/15/21
Instrument: Loki
Initial Cal. Date: 07/12/21
Data File: 0714L32.D

		Compound	MEAN	CCRF	%D		%Drift
1	I	Fluorobenzene (IS)	ISTD			I	
2	S	Dibromofluoromethane(S)	0.2680	0.2693	0.48	S	
3	S	1,2-DCA-D4(S)	0.3000	0.3060	2.0	S	
4	I	Chlorobenzene-D5 (IS)	ISTD			I	
5	S	Toluene-D8(S)	1.275	1.259	1.2	S	
6	S	4-Bromofluorobenzene(S)	0.4373	0.3864	12	S	
7	I	1,4-Dichlorobenzene-D4 (IS)	ISTD			I	
8							
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		Average			3.9		

Quantitation Report (QT Reviewed)

Data File : M:\LOKI\DATA\210712\0714L32.D Vial: 32
Acq On : 15 Jul 21 00:24 Operator:
Sample : 210714B CCV 300ug/L Inst : Loki
Misc : IS&S: 10/21/20, 11/11/20 Multiplr: 1.00

Quant Time: Jul 28 17:05 2021 Quant Results File: LGAS0712.RES

Quant Method : M:\LOKI\DATA\210712\LGAS0712.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Wed Jul 28 16:56:38 2021
Response via : Initial Calibration
DataAcq Meth : 070721_L8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.53	TIC	1559882	25.00	ppb	0.00
3) Chlorobenzene-D5 (IS)	12.56	TIC	1689303	25.00	ppb	0.00
4) 1,4-Dichlorobenzene-D (IS)	12.56	TIC	1698819	25.00	ppb	0.00

System Monitoring Compounds

Target Compounds						Qvalue
2) Gasoline C6-C10	8.39	TIC	10942345m	279.75	ppb	100

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

Quantitation Report (Not Reviewed)

Data File : M:\LOKI\DATA\210712\0714L32.D Vial: 32
Acq On : 15 Jul 21 00:24 Operator:
Sample : 210714B CCV 300ug/L Inst : Loki
Misc : IS&S: 10/21/20, 11/11/20 Multiplr: 1.00

Quant Time: Jul 28 17:13 2021 Quant Results File: L0712SUR.RES

Quant Method : M:\LOKI\DATA\210712\L0712SUR.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Jul 13 09:37:25 2021
Response via : Initial Calibration
DataAcq Meth : 070721_L8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.53	96	749068	25.00	ppb	0.00
4) Chlorobenzene-D5 (IS)	9.99	117	573110	25.00	ppb	0.00
7) 1,4-Dichlorobenzene-D4 (IS	12.56	152	291116	25.00	ppb	0.00
System Monitoring Compounds						
2) Dibromofluoromethane(S)	5.69	113	201687	25.12	ppb	0.00
Spiked Amount 25.000			Recovery = 100.476%			
3) 1,2-DCA-D4(S)	6.10	65	229179	25.50	ppb	0.00
Spiked Amount 25.000			Recovery = 101.996%			
5) Toluene-D8(S)	8.39	98	721711	24.69	ppb	0.00
Spiked Amount 25.000			Recovery = 98.768%			
6) 4-Bromofluorobenzene(S)	11.29	174	221474	22.09	ppb	0.00
Spiked Amount 25.000			Recovery = 88.368%			

Target Compounds Qvalue

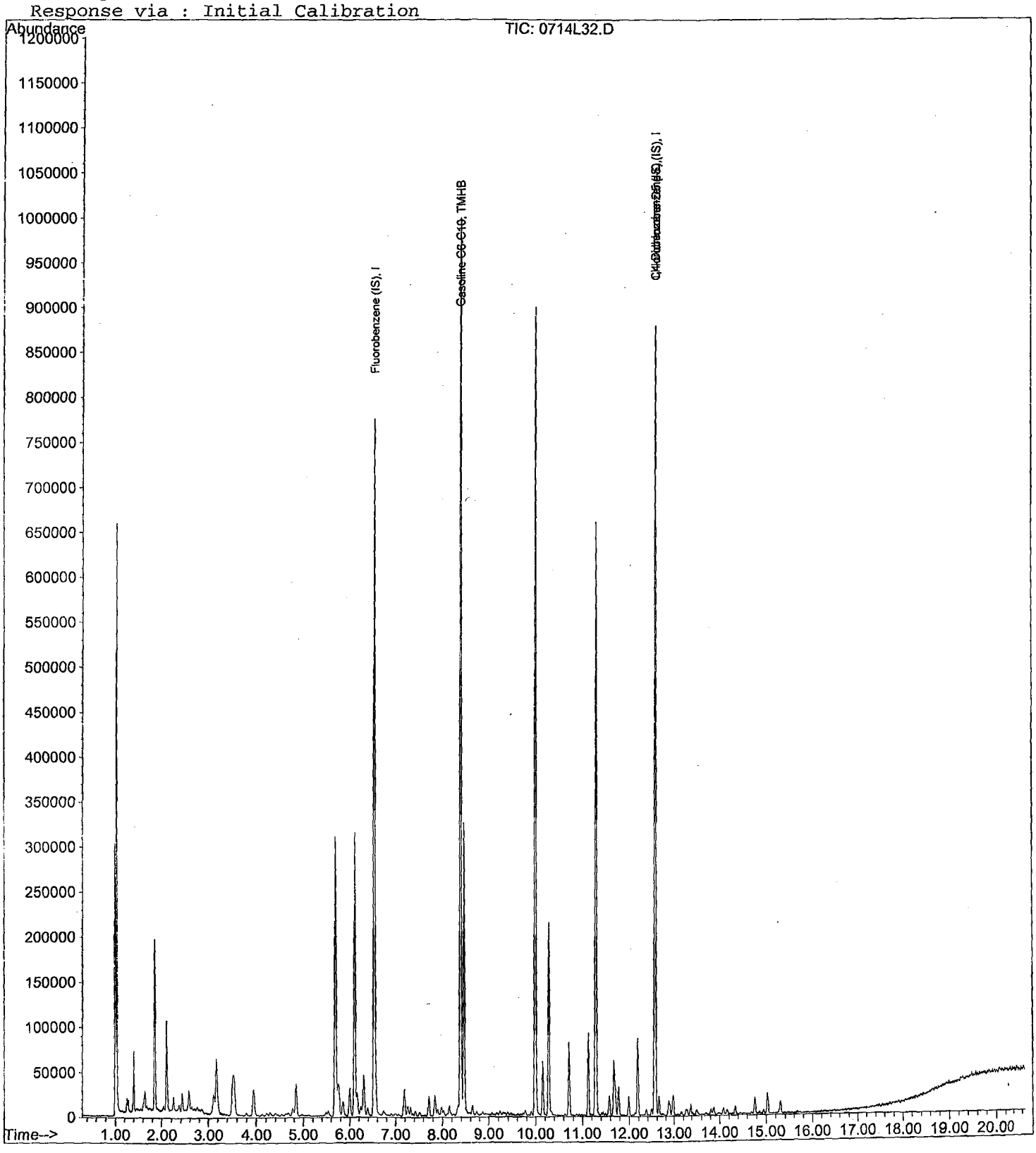
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\LOKI\DATA\210712\0714L32.D Vial: 32
Acq On : 15 Jul 21 00:24 Operator:
Sample : 210714B CCV 300ug/L Inst : Loki
Misc : IS&S: 10/21/20, 11/11/20 Multiplr: 1.00

Quant Time: Jul 28 17:05 2021 Quant Results File: LGAS0712.RES

Method : M:\LOKI\DATA\210712\LGAS0712.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Wed Jul 28 16:56:38 2021
Response via : Initial Calibration



VOLATILE ORGANIC ANALYSIS
VOLATILE ORGANIC COMPOUNDS

Form 7

Ending Continuing Calibration

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

SDG No:
Date Analyzed: 07/15/21
Instrument: Loki
Initial Cal. Date: 07/12/21
Data File: 0714L44.D

		Compound	MEAN	CCRF	%D		%Drift
1	I	Fluorobenzene (IS)	ISTD			I	
2	TMHB	Gasoline C6-C10	1.801	0.5799	68	TMHBL	9.9
3	I	Chlorobenzene-D5 (IS)	ISTD			I	
4	I	1,4-Dichlorobenzene-D (IS)	ISTD			I	
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38							
39							
40							
		Average			68.0		

VOLATILE ORGANIC ANALYSIS
VOLATILE ORGANIC COMPOUNDS

Form 7

Ending Continuing Calibration

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

SDG No:
Date Analyzed: 07/15/21
Instrument: Loki
Initial Cal. Date: 07/12/21
Data File: 0714L44.D

		Compound	MEAN	CCRF	%D		%Drift
1	I	Fluorobenzene (IS)	ISTD			I	
2	S	Dibromofluoromethane(S)	0.2680	0.2715	1.3	S	
3	S	1,2-DCA-D4(S)	0.3000	0.3042	1.4	S	
4	I	Chlorobenzene-D5 (IS)	ISTD			I	
5	S	Toluene-D8(S)	1.275	1.239	2.8	S	
6	S	4-Bromofluorobenzene(S)	0.4373	0.3884	11	S	
7	I	1,4-Dichlorobenzene-D4 (IS)	ISTD			I	
8							
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		Average			4.1		

Quantitation Report (QT Reviewed)

Data File : M:\LOKI\DATA\210712\0714L44.D Vial: 44
Acq On : 15 Jul 21 5:54 Operator:
Sample : Ending CCV 300ug/L 7/14/21 Inst : Loki
Misc : IS&S: 10/21/20, 11/11/20 Multiplr: 1.00

Quant Time: Jul 28 17:08 2021 Quant Results File: LGAS0712.RES

Quant Method : M:\LOKI\DATA\210712\LGAS0712.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Wed Jul 28 16:56:38 2021
Response via : Initial Calibration
DataAcq Meth : 070721_L8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.53	TIC	1493958	25.00	ppb	0.00
3) Chlorobenzene-D5 (IS)	12.56	TIC	1642840	25.00	ppb	0.00
4) 1,4-Dichlorobenzene-D (IS)	12.56	TIC	1656241	25.00	ppb	0.00
System Monitoring Compounds						
Target Compounds						Qvalue
2) Gasoline C6-C10	8.39	TIC	10395270m	270.43	ppb	100

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

Quantitation Report (Not Reviewed)

Data File : M:\LOKI\DATA\210712\0714L44.D Vial: 44
Acq On : 15 Jul 21 5:54 Operator:
Sample : Ending CCV 300ug/L 7/14/21 Inst : Loki
Misc : IS&S: 10/21/20, 11/11/20 Multiplr: 1.00

Quant Time: Jul 28 17:13 2021 Quant Results File: L0712SUR.RES

Quant Method : M:\LOKI\DATA\210712\L0712SUR.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Jul 13 09:37:25 2021
Response via : Initial Calibration
DataAcq Meth : 070721_L8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.53	96	721113	25.00	ppb	0.00
4) Chlorobenzene-D5 (IS)	9.99	117	555004	25.00	ppb	0.00
7) 1,4-Dichlorobenzene-D4 (IS	12.56	152	286229	25.00	ppb	0.00
System Monitoring Compounds						
2) Dibromofluoromethane(S)	5.69	113	195746	25.32	ppb	0.00
Spiked Amount 25.000			Recovery =	101.296%		
3) 1,2-DCA-D4(S)	6.10	65	219376	25.35	ppb	0.00
Spiked Amount 25.000			Recovery =	101.416%		
5) Toluene-D8(S)	8.39	98	687893	24.30	ppb	0.00
Spiked Amount 25.000			Recovery =	97.212%		
6) 4-Bromofluorobenzene(S)	11.29	174	215563	22.20	ppb	0.00
Spiked Amount 25.000			Recovery =	88.816%		

Target Compounds Qvalue

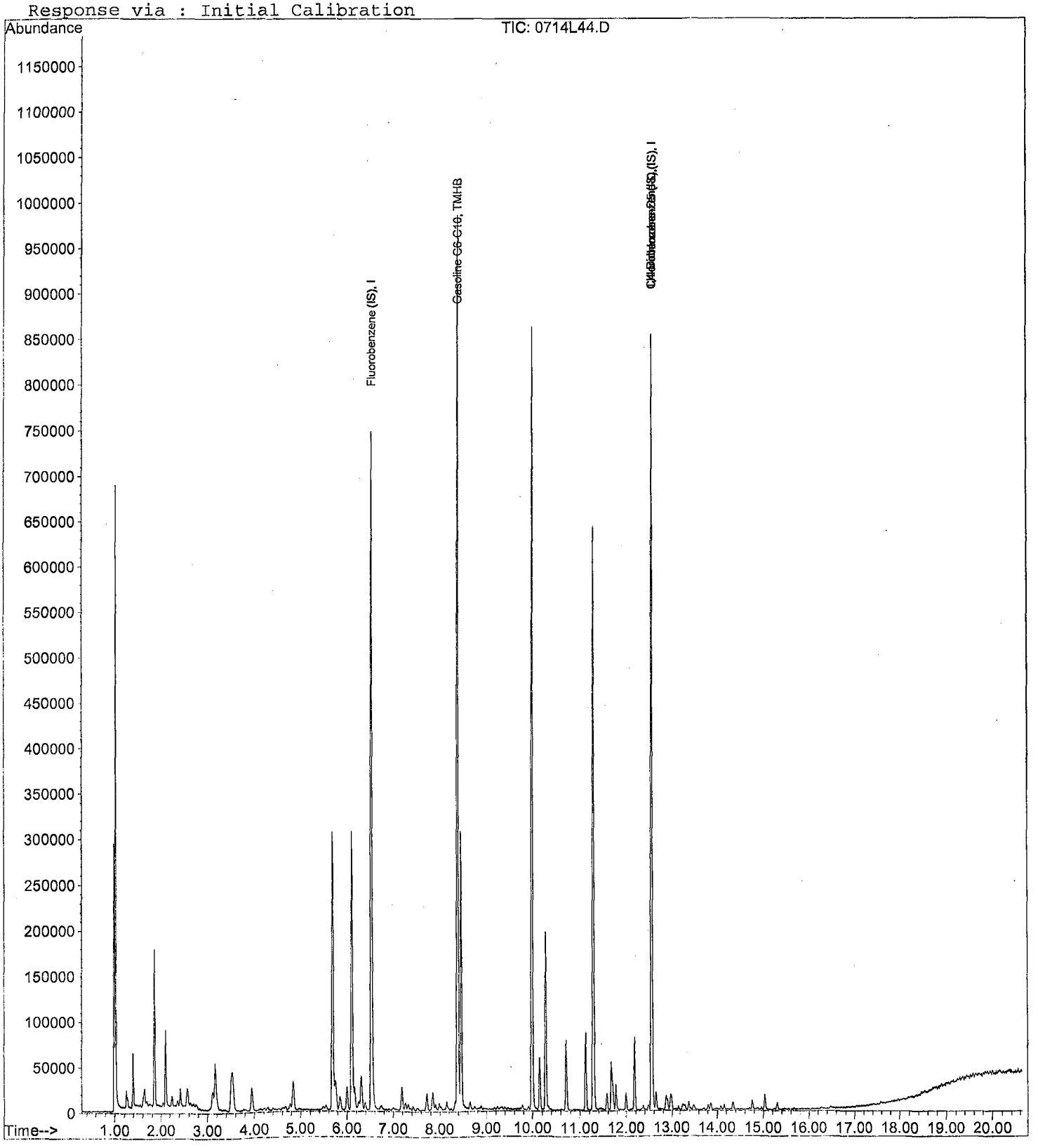
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\LOKI\DATA\210712\0714L44.D Vial: 44
Acq On : 15 Jul 21 5:54 Operator:
Sample : Ending CCV 300ug/L 7/14/21 Inst : Loki
Misc : IS&S: 10/21/20, 11/11/20 Multiplr: 1.00

Quant Time: Jul 28 17:08 2021 Quant Results File: LGAS0712.RES

Method : M:\LOKI\DATA\210712\LGAS0712.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Wed Jul 28 16:56:38 2021
Response via : Initial Calibration



ORGANICS
Raw Data

Quantitation Report (QT Reviewed)

Data File : M:\LOKI\DATA\210712\0714L36.D Vial: 36
Acq On : 15 Jul 21 2:14 Operator:
Sample : BA35744W01 Inst : Loki
Misc : IS&S: 10/21/20, 11/11/20 Multiplr: 1.00

Quant Time: Jul 28 17:06 2021 Quant Results File: LGAS0712.RES

Quant Method : M:\LOKI\DATA\210712\LGAS0712.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Wed Jul 28 16:56:38 2021
Response via : Initial Calibration
DataAcq Meth : 070721_L8260

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	6.53	TIC	1466899	25.00 ppb	0.00
3) Chlorobenzene-D5 (IS)	12.56	TIC	1599478	25.00 ppb	0.00
4) 1,4-Dichlorobenzene-D (IS)	12.56	TIC	1606463	25.00 ppb	0.00

System Monitoring Compounds

Target Compounds Qvalue

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

Quantitation Report (Not Reviewed)

Data File : M:\LOKI\DATA\210712\0714L36.D Vial: 36
Acq On : 15 Jul 21 2:14 Operator:
Sample : BA35744W01 Inst : Loki
Misc : IS&S: 10/21/20, 11/11/20 Multiplr: 1.00

Quant Time: Jul 28 17:13 2021 Quant Results File: L0712SUR.RES

Quant Method : M:\LOKI\DATA\210712\L0712SUR.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Jul 13 09:37:25 2021
Response via : Initial Calibration
DataAcq Meth : 070721_L8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.53	96	718614	25.00	ppb	0.00
4) Chlorobenzene-D5 (IS)	9.99	117	558534	25.00	ppb	0.00
7) 1,4-Dichlorobenzene-D4 (IS	12.56	152	279275	25.00	ppb	0.00
System Monitoring Compounds						
2) Dibromofluoromethane(S)	5.69	113	197362	25.62	ppb	0.00
Spiked Amount 25.000			Recovery = 102.488%			
3) 1,2-DCA-D4(S)	6.10	65	223336	25.90	ppb	0.00
Spiked Amount 25.000			Recovery = 103.608%			
5) Toluene-D8(S)	8.39	98	679430	23.85	ppb	0.00
Spiked Amount 25.000			Recovery = 95.408%			
6) 4-Bromofluorobenzene(S)	11.29	174	206303	21.12	ppb	0.00
Spiked Amount 25.000			Recovery = 84.464%			

Target Compounds Qvalue

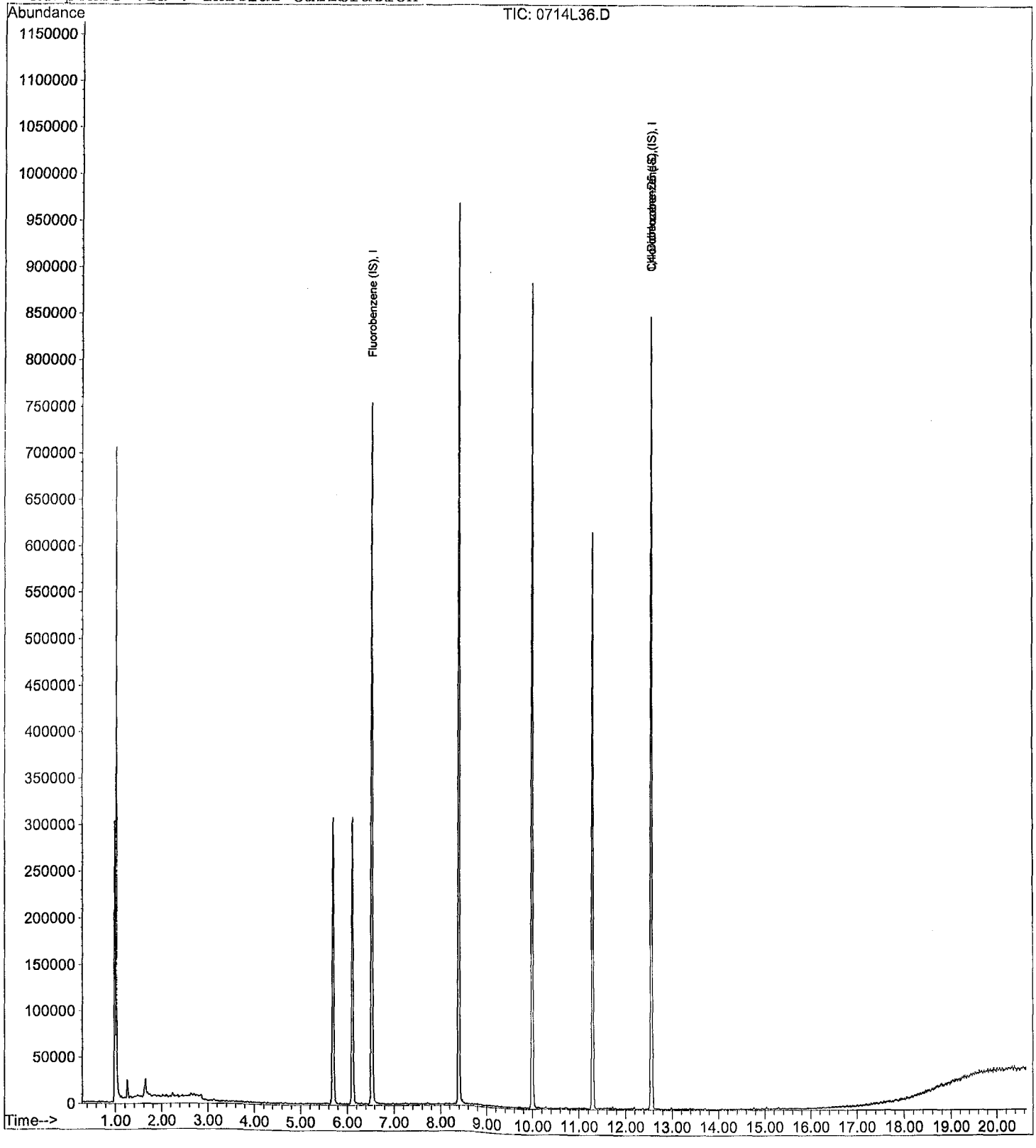
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\LOKI\DATA\210712\0714L36.D Vial: 36
Acq On : 15 Jul 21 2:14 Operator:
Sample : BA35744W01 Inst : Loki
Misc : IS&S: 10/21/20, 11/11/20 Multiplr: 1.00

Quant Time: Jul 28 17:06 2021 Quant Results File: LGAS0712.RES

Method : M:\LOKI\DATA\210712\LGAS0712.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Wed Jul 28 16:56:38 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\LOKI\DATA\210712\0714L37.D Vial: 37
Acq On : 15 Jul 21 2:42 Operator:
Sample : BA35745W01 Inst : Loki
Misc : IS&S: 10/21/20, 11/11/20 Multiplr: 1.00

Quant Time: Jul 28 17:06 2021 Quant Results File: LGAS0712.RES

Quant Method : M:\LOKI\DATA\210712\LGAS0712.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Wed Jul 28 16:56:38 2021
Response via : Initial Calibration
DataAcq Meth : 070721_L8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.53	TIC	1410177	25.00	ppb	0.00
3) Chlorobenzene-D5 (IS)	12.55	TIC	1527342	25.00	ppb	0.00
4) 1,4-Dichlorobenzene-D (IS)	12.55	TIC	1532712	25.00	ppb	0.00

System Monitoring Compounds

Target Compounds Qvalue

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

Quantitation Report (Not Reviewed)

Data File : M:\LOKI\DATA\210712\0714L37.D Vial: 37
Acq On : 15 Jul 21 2:42 Operator:
Sample : BA35745W01 Inst : Loki
Misc : IS&S: 10/21/20, 11/11/20 Multiplr: 1.00

Quant Time: Jul 28 17:13 2021 Quant Results File: L0712SUR.RES

Quant Method : M:\LOKI\DATA\210712\L0712SUR.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Jul 13 09:37:25 2021
Response via : Initial Calibration
DataAcq Meth : 070721_L8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.53	96	688948	25.00	ppb	0.00
4) Chlorobenzene-D5 (IS)	9.99	117	539802	25.00	ppb	0.00
7) 1,4-Dichlorobenzene-D4 (IS	12.55	152	269880	25.00	ppb	0.00
System Monitoring Compounds						
2) Dibromofluoromethane(S)	5.69	113	187424	25.38	ppb	0.00
Spiked Amount 25.000			Recovery = 101.520%			
3) 1,2-DCA-D4(S)	6.10	65	212094	25.66	ppb	0.00
Spiked Amount 25.000			Recovery = 102.628%			
5) Toluene-D8(S)	8.39	98	647779	23.53	ppb	0.00
Spiked Amount 25.000			Recovery = 94.120%			
6) 4-Bromofluorobenzene(S)	11.29	174	195065	20.66	ppb	0.00
Spiked Amount 25.000			Recovery = 82.632%			

Target Compounds Qvalue

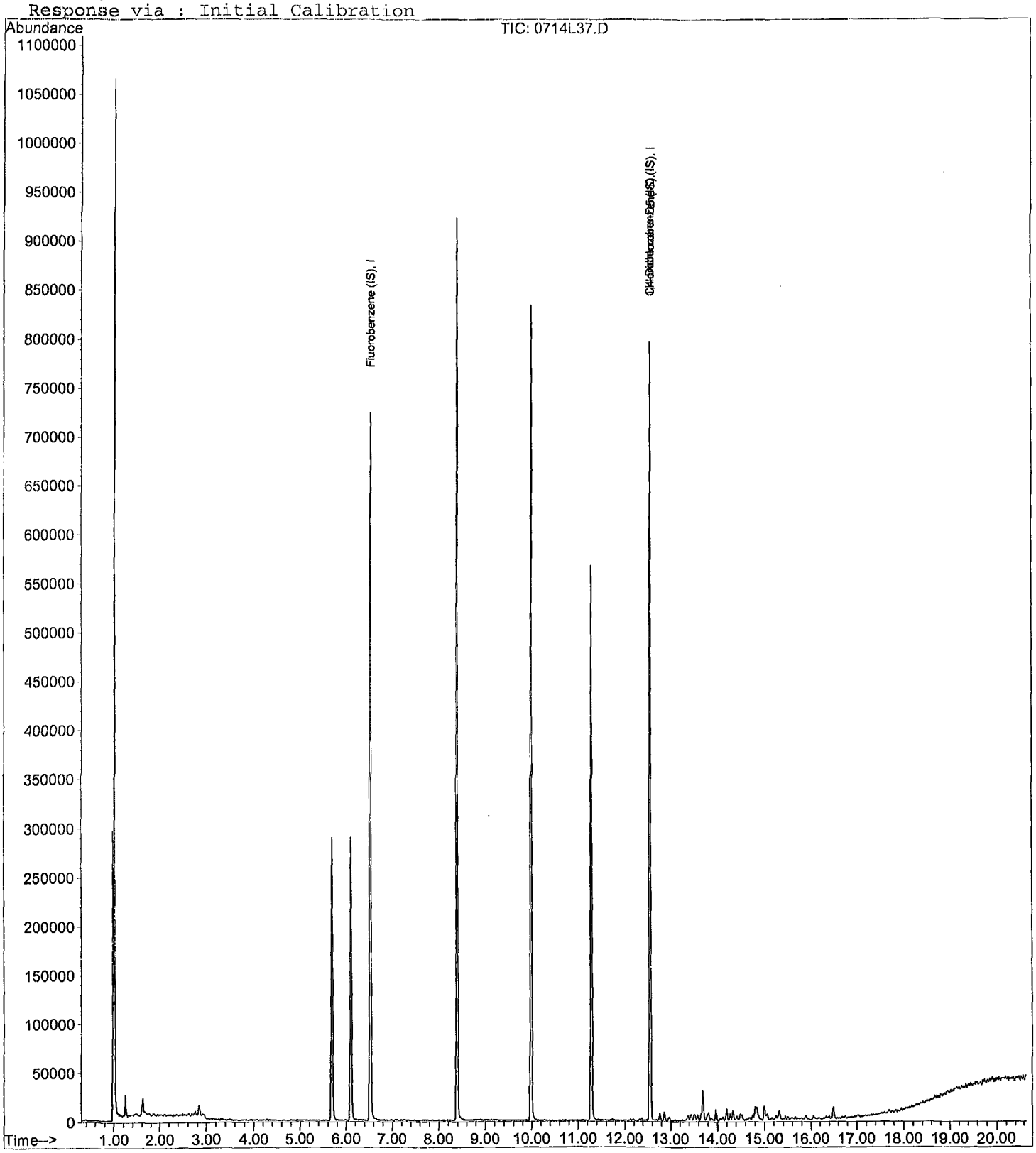
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\LOKI\DATA\210712\0714L37.D Vial: 37
Acq On : 15 Jul 21 2:42 Operator:
Sample : BA35745W01 Inst : Loki
Misc : IS&S: 10/21/20, 11/11/20 Multiplr: 1.00

Quant Time: Jul 28 17:06 2021 Quant Results File: LGAS0712.RES

Method : M:\LOKI\DATA\210712\LGAS0712.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Wed Jul 28 16:56:38 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\LOKI\DATA\210712\0714L38.D Vial: 38
Acq On : 15 Jul 21 3:09 Operator:
Sample : BA35747W01 Inst : Loki
Misc : IS&S: 10/21/20, 11/11/20 Multiplr: 1.00

Quant Time: Jul 28 17:07 2021 Quant Results File: LGAS0712.RES

Quant Method : M:\LOKI\DATA\210712\LGAS0712.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Wed Jul 28 16:56:38 2021
Response via : Initial Calibration
DataAcq Meth : 070721_L8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.53	TIC	1405795	25.00	ppb	0.00
3) Chlorobenzene-D5 (IS)	12.55	TIC	1568718	25.00	ppb	0.00
4) 1,4-Dichlorobenzene-D (IS)	12.55	TIC	1577106	25.00	ppb	0.00

System Monitoring Compounds

Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration
0714L38.D LGAS0712.M Wed Jul 28 17:18:54 2021 Page 1

Quantitation Report (Not Reviewed)

Data File : M:\LOKI\DATA\210712\0714L38.D Vial: 38
Acq On : 15 Jul 21 3:09 Operator:
Sample : BA35747W01 Inst : Loki
Misc : IS&S: 10/21/20, 11/11/20 Multiplr: 1.00

Quant Time: Jul 28 17:13 2021 Quant Results File: L0712SUR.RES

Quant Method : M:\LOKI\DATA\210712\L0712SUR.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Jul 13 09:37:25 2021
Response via : Initial Calibration
DataAcq Meth : 070721_L8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.53	96	692566	25.00	ppb	0.00
4) Chlorobenzene-D5 (IS)	9.99	117	534580	25.00	ppb	0.00
7) 1,4-Dichlorobenzene-D4 (IS	12.56	152	272393	25.00	ppb	0.00
System Monitoring Compounds						
2) Dibromofluoromethane(S)	5.69	113	190570	25.67	ppb	0.00
Spiked Amount 25.000			Recovery = 102.684%			
3) 1,2-DCA-D4(S)	6.10	65	215200	25.90	ppb	0.00
Spiked Amount 25.000			Recovery = 103.588%			
5) Toluene-D8(S)	8.39	98	658313	24.15	ppb	0.00
Spiked Amount 25.000			Recovery = 96.584%			
6) 4-Bromofluorobenzene(S)	11.29	174	203894	21.80	ppb	0.00
Spiked Amount 25.000			Recovery = 87.216%			

Target Compounds Qvalue

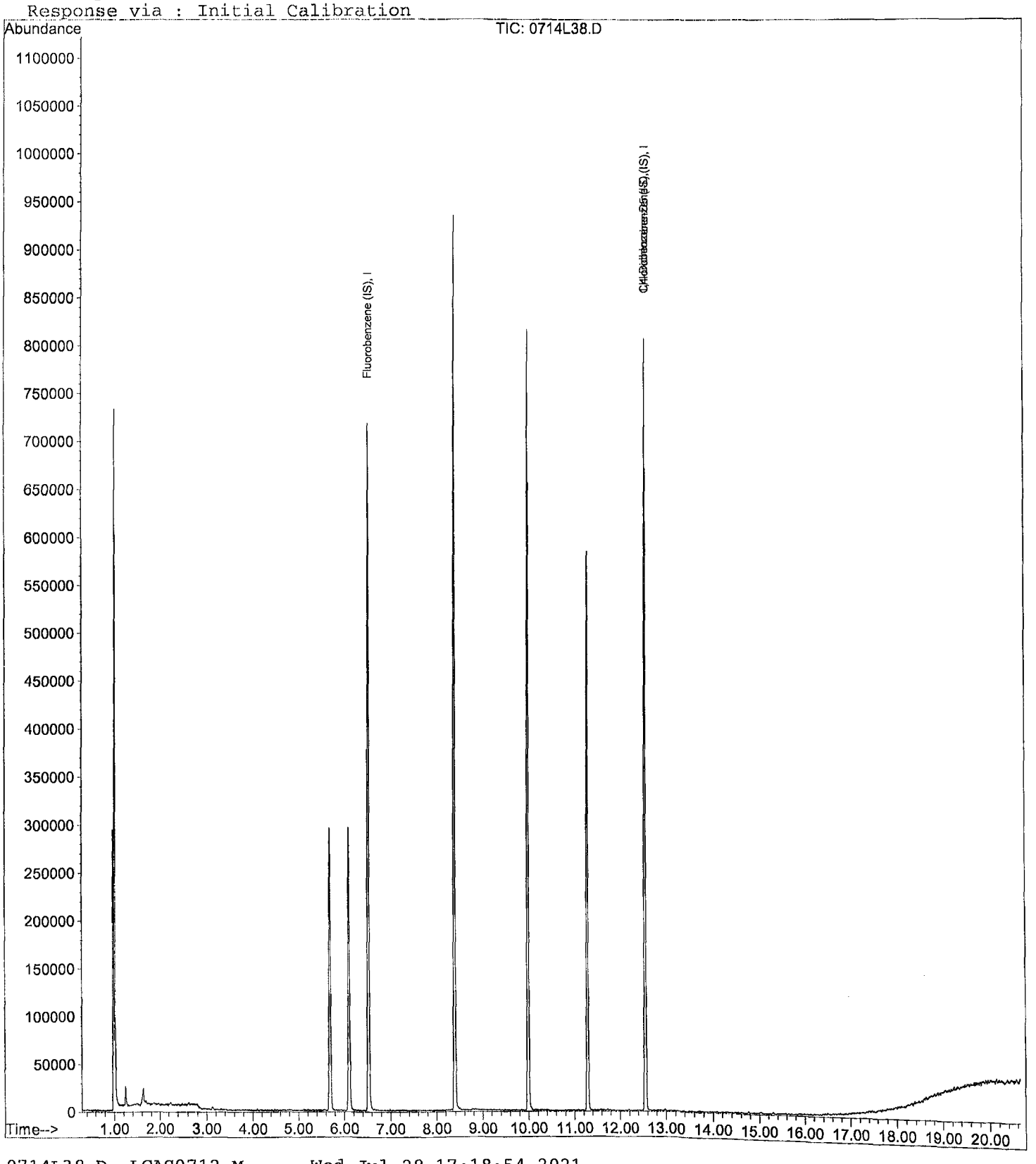
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\LOKI\DATA\210712\0714L38.D Vial: 38
Acq On : 15 Jul 21 3:09 Operator:
Sample : BA35747W01 Inst : Loki
Misc : IS&S: 10/21/20, 11/11/20 Multiplr: 1.00

Quant Time: Jul 28 17:07 2021 Quant Results File: LGAS0712.RES

Method : M:\LOKI\DATA\210712\LGAS0712.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Wed Jul 28 16:56:38 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\LOKI\DATA\210712\0714L39.D Vial: 39
Acq On : 15 Jul 21 3:37 Operator:
Sample : BA35748W01 Inst : Loki
Misc : IS&S: 10/21/20, 11/11/20 Multiplr: 1.00

Quant Time: Jul 28 17:07 2021 Quant Results File: LGAS0712.RES

Quant Method : M:\LOKI\DATA\210712\LGAS0712.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Wed Jul 28 16:56:38 2021
Response via : Initial Calibration
DataAcq Meth : 070721_L8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.53	TIC	1458905	25.00	ppb	0.00
3) Chlorobenzene-D5 (IS)	12.55	TIC	1667604	25.00	ppb	0.00
4) 1,4-Dichlorobenzene-D (IS)	12.55	TIC	1686542	25.00	ppb	0.00

System Monitoring Compounds

Target Compounds Qvalue

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

Quantitation Report (Not Reviewed)

Data File : M:\LOKI\DATA\210712\0714L39.D Vial: 39
Acq On : 15 Jul 21 3:37 Operator:
Sample : BA35748W01 Inst : Loki
Misc : IS&S: 10/21/20, 11/11/20 Multiplr: 1.00

Quant Time: Jul 28 17:13 2021 Quant Results File: L0712SUR.RES

Quant Method : M:\LOKI\DATA\210712\L0712SUR.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Jul 13 09:37:25 2021
Response via : Initial Calibration
DataAcq Meth : 070721_L8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.53	96	711779	25.00	ppb	0.00
4) Chlorobenzene-D5 (IS)	9.99	117	553999	25.00	ppb	0.00
7) 1,4-Dichlorobenzene-D4 (IS	12.55	152	291102	25.00	ppb	0.00
System Monitoring Compounds						
2) Dibromofluoromethane(S)	5.69	113	198881	26.07	ppb	0.00
Spiked Amount 25.000			Recovery = 104.268%			
3) 1,2-DCA-D4(S)	6.10	65	219653	25.72	ppb	0.00
Spiked Amount 25.000			Recovery = 102.876%			
5) Toluene-D8(S)	8.39	98	684628	24.23	ppb	0.00
Spiked Amount 25.000			Recovery = 96.924%			
6) 4-Bromofluorobenzene(S)	11.29	174	214008	22.08	ppb	0.00
Spiked Amount 25.000			Recovery = 88.336%			

Target Compounds Qvalue

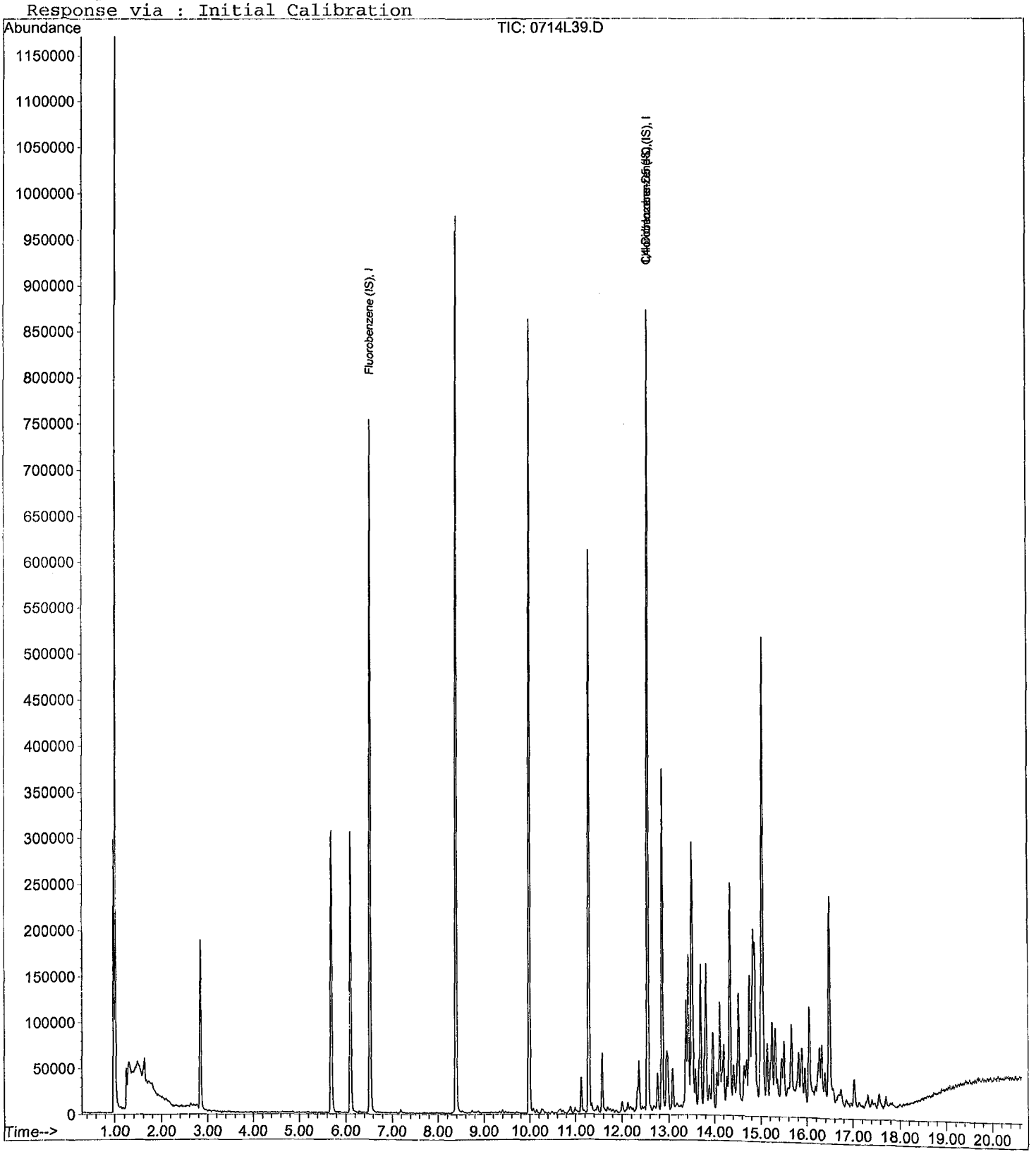
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\LOKI\DATA\210712\0714L39.D Vial: 39
Acq On : 15 Jul 21 3:37 Operator:
Sample : BA35748W01 Inst : Loki
Misc : IS&S: 10/21/20, 11/11/20 Multiplr: 1.00

Quant Time: Jul 28 17:07 2021 Quant Results File: LGAS0712.RES

Method : M:\LOKI\DATA\210712\LGAS0712.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Wed Jul 28 16:56:38 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\LOKI\DATA\210712\0714L40.D Vial: 40
Acq On : 15 Jul 21 4:04 Operator:
Sample : BA35750W01 Inst : Loki
Misc : IS&S: 10/21/20, 11/11/20 Multiplr: 1.00

Quant Time: Jul 28 17:07 2021 Quant Results File: LGAS0712.RES

Quant Method : M:\LOKI\DATA\210712\LGAS0712.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Wed Jul 28 16:56:38 2021
Response via : Initial Calibration
DataAcq Meth : 070721_L8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.53	TIC	1494333	25.00	ppb	0.00
3) Chlorobenzene-D5 (IS)	12.55	TIC	1630285	25.00	ppb	0.00
4) 1,4-Dichlorobenzene-D (IS)	12.55	TIC	1637240	25.00	ppb	0.00

System Monitoring Compounds

Target Compounds Qvalue

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

Quantitation Report (Not Reviewed)

Data File : M:\LOKI\DATA\210712\0714L40.D Vial: 40
Acq On : 15 Jul 21 4:04 Operator:
Sample : BA35750W01 Inst : Loki
Misc : IS&S: 10/21/20, 11/11/20 Multiplr: 1.00

Quant Time: Jul 28 17:13 2021 Quant Results File: L0712SUR.RES

Quant Method : M:\LOKI\DATA\210712\L0712SUR.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Jul 13 09:37:25 2021
Response via : Initial Calibration
DataAcq Meth : 070721_L8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.53	96	735182	25.00	ppb	0.00
4) Chlorobenzene-D5 (IS)	9.99	117	570305	25.00	ppb	0.00
7) 1,4-Dichlorobenzene-D4 (IS	12.56	152	281766	25.00	ppb	0.00
System Monitoring Compounds						
2) Dibromofluoromethane(S)	5.69	113	200259	25.41	ppb	0.00
Spiked Amount 25.000			Recovery = 101.652%			
3) 1,2-DCA-D4(S)	6.10	65	221171	25.07	ppb	0.00
Spiked Amount 25.000			Recovery = 100.292%			
5) Toluene-D8(S)	8.39	98	691071	23.76	ppb	0.00
Spiked Amount 25.000			Recovery = 95.040%			
6) 4-Bromofluorobenzene(S)	11.29	174	208431	20.89	ppb	0.00
Spiked Amount 25.000			Recovery = 83.572%			

Target Compounds Qvalue

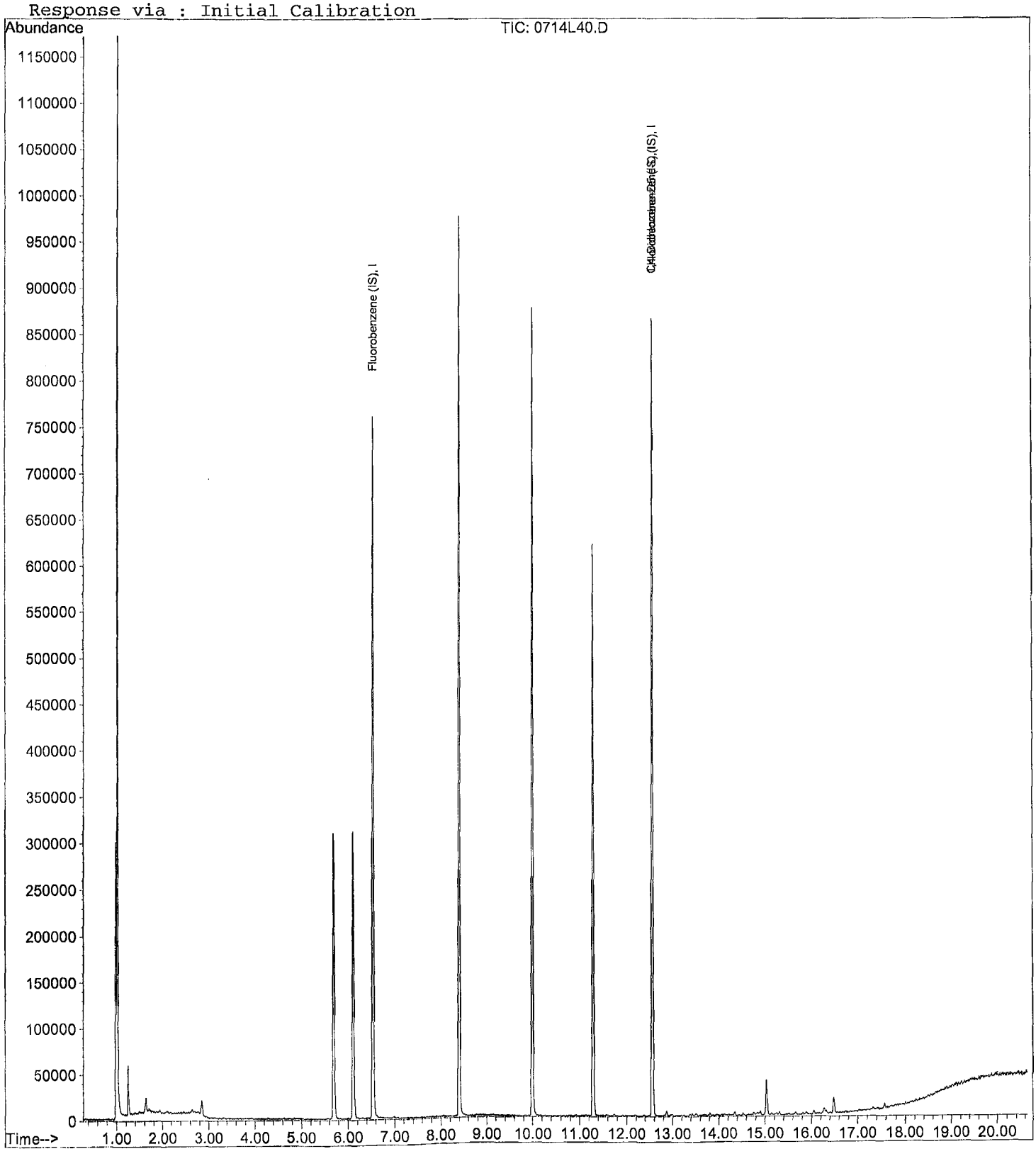
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\LOKI\DATA\210712\0714L40.D Vial: 40
Acq On : 15 Jul 21 4:04 Operator:
Sample : BA35750W01 Inst : Loki
Misc : IS&S: 10/21/20, 11/11/20 Multiplr: 1.00

Quant Time: Jul 28 17:07 2021 Quant Results File: LGAS0712.RES

Method : M:\LOKI\DATA\210712\LGAS0712.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Wed Jul 28 16:56:38 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\LOKI\DATA\210712\0714L41.D Vial: 41
Acq On : 15 Jul 21 4:32 Operator:
Sample : BA35752W01 Inst : Loki
Misc : IS&S: 10/21/20, 11/11/20 Multiplr: 1.00

Quant Time: Jul 28 17:07 2021 Quant Results File: LGAS0712.RES

Quant Method : M:\LOKI\DATA\210712\LGAS0712.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Wed Jul 28 16:56:38 2021
Response via : Initial Calibration
DataAcq Meth : 070721_L8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.53	TIC	1456814	25.00	ppb	0.00
3) Chlorobenzene-D5 (IS)	12.56	TIC	1603424	25.00	ppb	0.00
4) 1,4-Dichlorobenzene-D (IS)	12.56	TIC	1611907	25.00	ppb	0.00

System Monitoring Compounds

Target Compounds Qvalue

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

Quantitation Report (Not Reviewed)

Data File : M:\LOKI\DATA\210712\0714L41.D Vial: 41
Acq On : 15 Jul 21 4:32 Operator:
Sample : BA35752W01 Inst : Loki
Misc : IS&S: 10/21/20, 11/11/20 Multiplr: 1.00

Quant Time: Jul 28 17:13 2021 Quant Results File: L0712SUR.RES

Quant Method : M:\LOKI\DATA\210712\L0712SUR.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Jul 13 09:37:25 2021
Response via : Initial Calibration
DataAcq Meth : 070721_L8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.53	96	720315	25.00	ppb	0.00
4) Chlorobenzene-D5 (IS)	9.99	117	551477	25.00	ppb	0.00
7) 1,4-Dichlorobenzene-D4 (IS	12.56	152	277244	25.00	ppb	0.00
System Monitoring Compounds						
2) Dibromofluoromethane(S)	5.69	113	196887	25.50	ppb	0.00
Spiked Amount 25.000			Recovery = 102.000%			
3) 1,2-DCA-D4(S)	6.10	65	218198	25.25	ppb	0.00
Spiked Amount 25.000			Recovery = 100.984%			
5) Toluene-D8(S)	8.39	98	675212	24.01	ppb	0.00
Spiked Amount 25.000			Recovery = 96.028%			
6) 4-Bromofluorobenzene(S)	11.29	174	206622	21.42	ppb	0.00
Spiked Amount 25.000			Recovery = 85.676%			

Target Compounds Qvalue

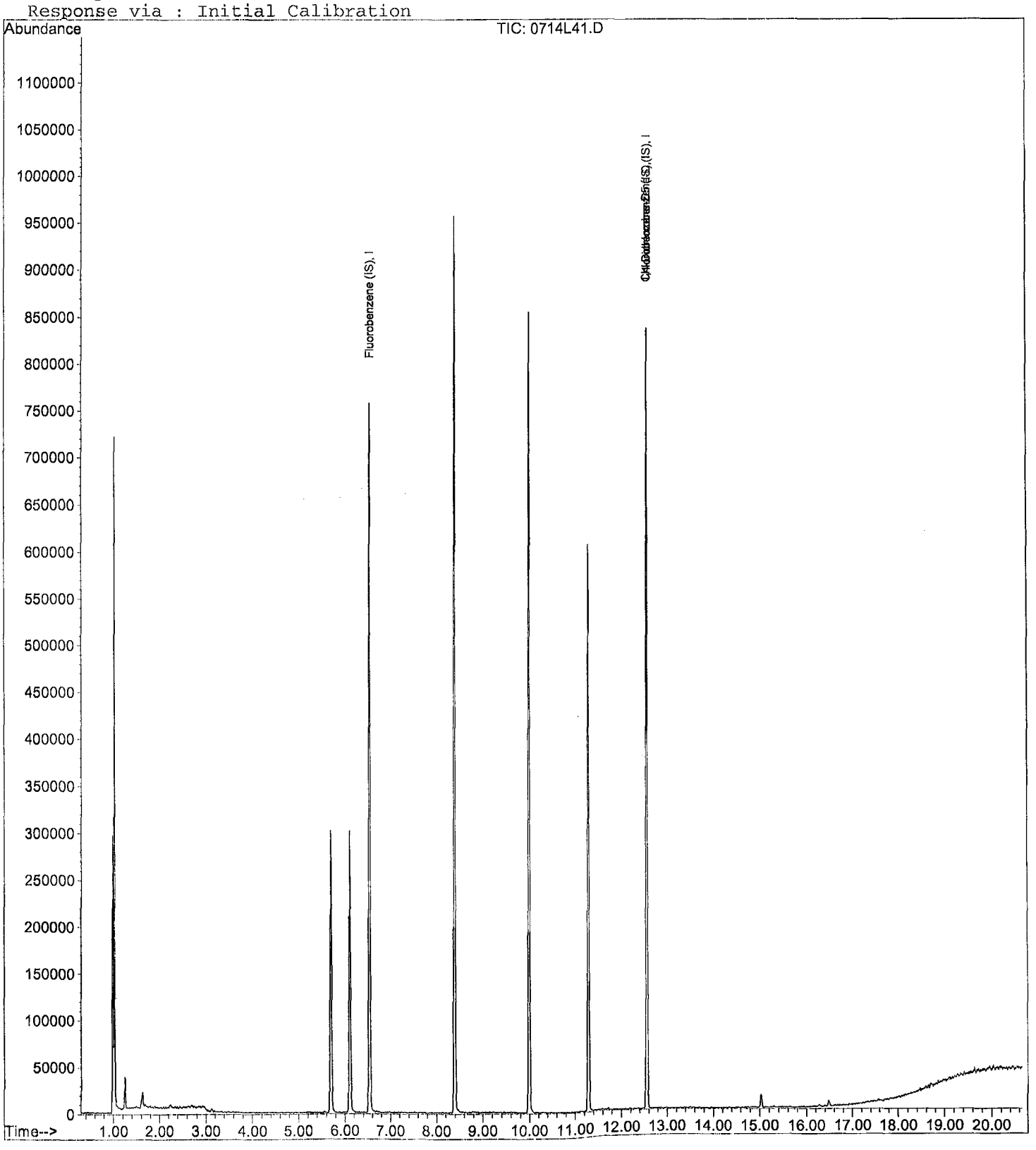
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\LOKI\DATA\210712\0714L41.D Vial: 41
Acq On : 15 Jul 21 4:32 Operator:
Sample : BA35752W01 Inst : Loki
Misc : IS&S: 10/21/20, 11/11/20 Multiplr: 1.00

Quant Time: Jul 28 17:07 2021 Quant Results File: LGAS0712.RES

Method : M:\LOKI\DATA\210712\LGAS0712.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Wed Jul 28 16:56:38 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\LOKI\DATA\210712\0714L42.D Vial: 42
Acq On : 15 Jul 21 4:59 Operator:
Sample : BA35753W01 Inst : Loki
Misc : IS&S: 10/21/20, 11/11/20 Multiplr: 1.00

Quant Time: Jul 28 17:08 2021 Quant Results File: LGAS0712.RES

Quant Method : M:\LOKI\DATA\210712\LGAS0712.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Wed Jul 28 16:56:38 2021
Response via : Initial Calibration
DataAcq Meth : 070721_L8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.53	TIC	1441601	25.00	ppb	0.00
3) Chlorobenzene-D5 (IS)	12.55	TIC	1575166	25.00	ppb	0.00
4) 1,4-Dichlorobenzene-D (IS)	12.55	TIC	1585432	25.00	ppb	0.00

System Monitoring Compounds

Target Compounds Qvalue

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

Quantitation Report (Not Reviewed)

Data File : M:\LOKI\DATA\210712\0714L42.D Vial: 42
Acq On : 15 Jul 21 4:59 Operator:
Sample : BA35753W01 Inst : Loki
Misc : IS&S: 10/21/20, 11/11/20 Multiplr: 1.00

Quant Time: Jul 28 17:13 2021 Quant Results File: L0712SUR.RES

Quant Method : M:\LOKI\DATA\210712\L0712SUR.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Jul 13 09:37:25 2021
Response via : Initial Calibration
DataAcq Meth : 070721_L8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.53	96	706263	25.00	ppb	0.00
4) Chlorobenzene-D5 (IS)	9.99	117	548719	25.00	ppb	0.00
7) 1,4-Dichlorobenzene-D4 (IS	12.56	152	273311	25.00	ppb	0.00
System Monitoring Compounds						
2) Dibromofluoromethane(S)	5.69	113	193927	25.62	ppb	0.00
Spiked Amount 25.000			Recovery =	102.468%		
3) 1,2-DCA-D4(S)	6.10	65	217265	25.64	ppb	0.00
Spiked Amount 25.000			Recovery =	102.552%		
5) Toluene-D8(S)	8.39	98	675333	24.13	ppb	0.00
Spiked Amount 25.000			Recovery =	96.528%		
6) 4-Bromofluorobenzene(S)	11.29	174	209960	21.87	ppb	0.00
Spiked Amount 25.000			Recovery =	87.500%		

Target Compounds Qvalue

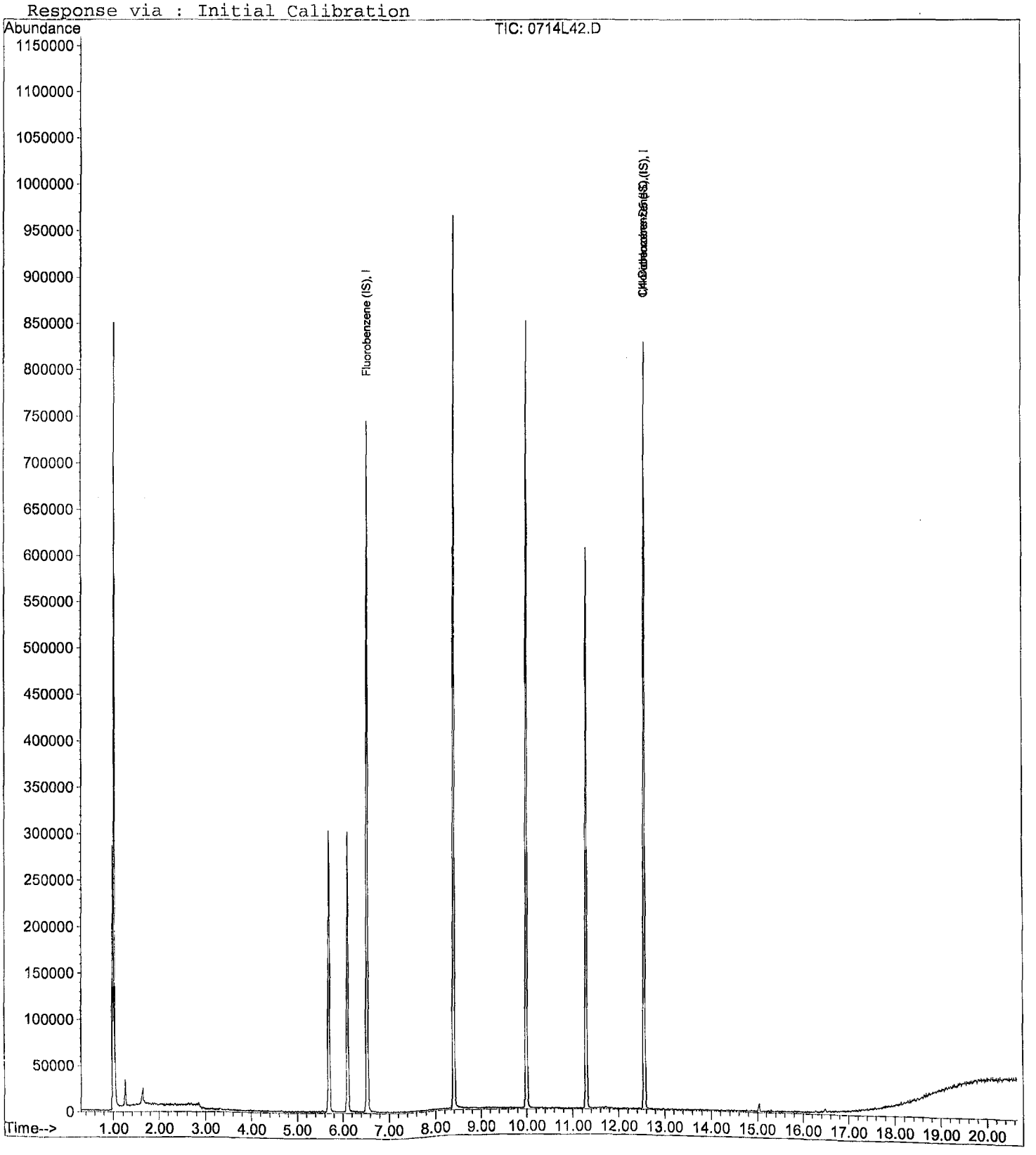
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\LOKI\DATA\210712\0714L42.D Vial: 42
Acq On : 15 Jul 21 4:59 Operator:
Sample : BA35753W01 Inst : Loki
Misc : IS&S: 10/21/20, 11/11/20 Multiplr: 1.00

Quant Time: Jul 28 17:08 2021 Quant Results File: LGAS0712.RES

Method : M:\LOKI\DATA\210712\LGAS0712.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Wed Jul 28 16:56:38 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\LOKI\DATA\210712\0714L35.D Vial: 35
Acq On : 15 Jul 21 1:46 Operator:
Sample : 210714B BLK Inst : Loki
Misc : IS&S: 10/21/20, 11/11/20 Multiplr: 1.00

Quant Time: Jul 28 17:06 2021 Quant Results File: LGAS0712.RES

Quant Method : M:\LOKI\DATA\210712\LGAS0712.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Wed Jul 28 16:56:38 2021
Response via : Initial Calibration
DataAcq Meth : 070721_L8260

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	6.53	TIC	1475507	25.00 ppb	0.00
3) Chlorobenzene-D5 (IS)	12.55	TIC	1626236	25.00 ppb	0.00
4) 1,4-Dichlorobenzene-D (IS)	12.55	TIC	1633801	25.00 ppb	0.00

System Monitoring Compounds

Target Compounds Qvalue

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

Quantitation Report (Not Reviewed)

Data File : M:\LOKI\DATA\210712\0714L35.D Vial: 35
Acq On : 15 Jul 21 1:46 Operator:
Sample : 210714B BLK Inst : Loki
Misc : IS&S: 10/21/20, 11/11/20 Multiplr: 1.00

Quant Time: Jul 28 17:13 2021 Quant Results File: L0712SUR.RES

Quant Method : M:\LOKI\DATA\210712\L0712SUR.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Jul 13 09:37:25 2021
Response via : Initial Calibration
DataAcq Meth : 070721_L8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.53	96	714886	25.00	ppb	0.00
4) Chlorobenzene-D5 (IS)	9.99	117	562125	25.00	ppb	0.00
7) 1,4-Dichlorobenzene-D4 (IS	12.56	152	283554	25.00	ppb	0.00
System Monitoring Compounds						
2) Dibromofluoromethane(S)	5.69	113	194957	25.44	ppb	0.00
Spiked Amount 25.000			Recovery =	101.768%		
3) 1,2-DCA-D4(S)	6.10	65	223172	26.02	ppb	0.00
Spiked Amount 25.000			Recovery =	104.072%		
5) Toluene-D8(S)	8.39	98	683311	23.84	ppb	0.00
Spiked Amount 25.000			Recovery =	95.340%		
6) 4-Bromofluorobenzene(S)	11.29	174	206697	21.02	ppb	0.00
Spiked Amount 25.000			Recovery =	84.084%		

Target Compounds Qvalue

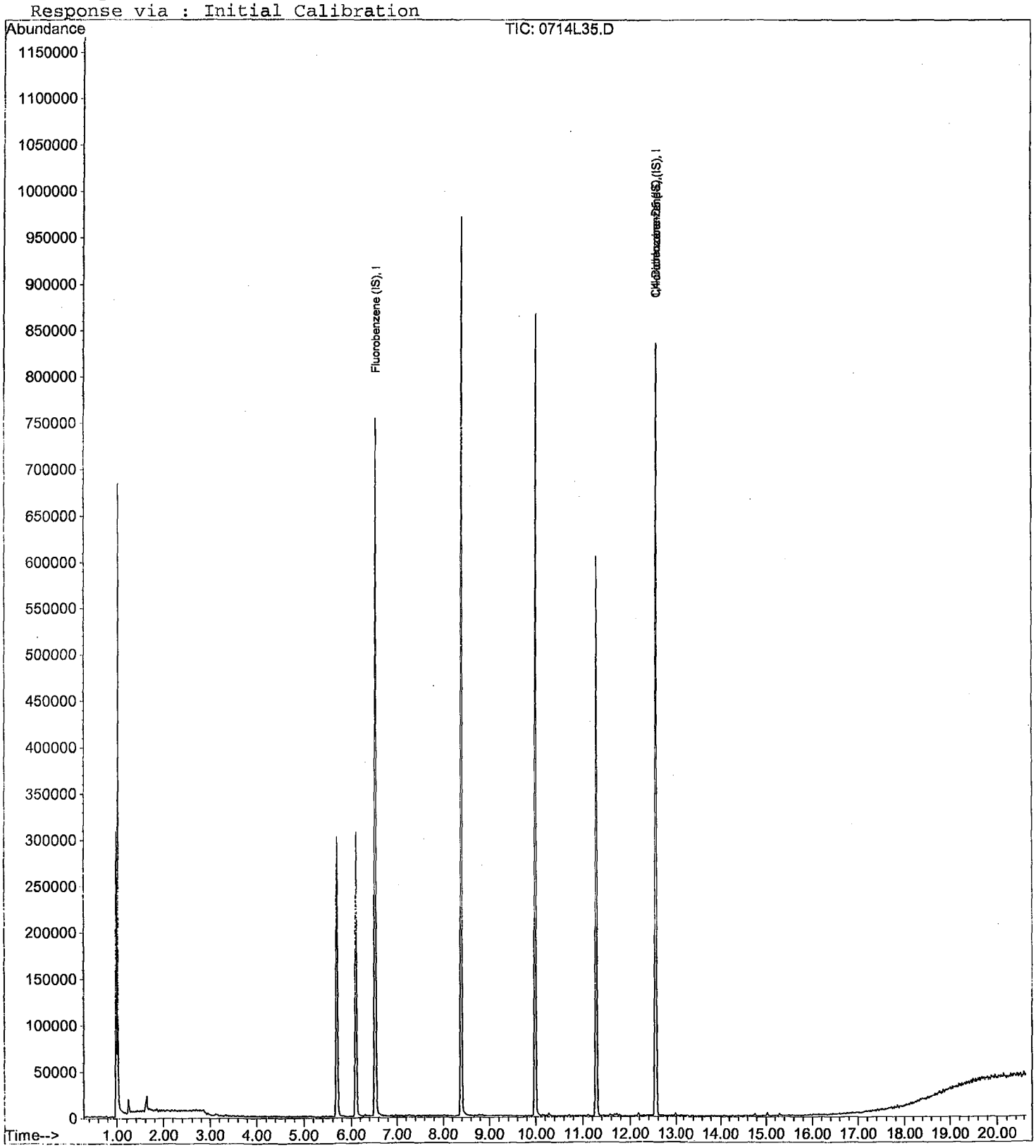
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\LOKI\DATA\210712\0714L35.D Vial: 35
Acq On : 15 Jul 21 1:46 Operator:
Sample : 210714B BLK Inst : Loki
Misc : IS&S: 10/21/20, 11/11/20 Multiplr: 1.00

Quant Time: Jul 28 17:06 2021 Quant Results File: LGAS0712.RES

Method : M:\LOKI\DATA\210712\LGAS0712.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Wed Jul 28 16:56:38 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\LOKI\DATA\210712\0714L33.D Vial: 33
Acq On : 15 Jul 21 00:51 Operator:
Sample : 210714B LCS 300ug/L Inst : Loki
Misc : IS&S: 10/21/20, 11/11/20 Multiplr: 1.00

Quant Time: Jul 28 17:05 2021 Quant Results File: LGAS0712.RES

Quant Method : M:\LOKI\DATA\210712\LGAS0712.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Wed Jul 28 16:56:38 2021
Response via : Initial Calibration
DataAcq Meth : 070721_L8260

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	6.53	TIC	1531442	25.00 ppb	0.00
3) Chlorobenzene-D5 (IS)	12.55	TIC	1672743	25.00 ppb	0.00
4) 1,4-Dichlorobenzene-D (IS)	12.55	TIC	1687482	25.00 ppb	0.00
System Monitoring Compounds					
Target Compounds					Qvalue
2) Gasoline C6-C10	8.39	TIC	10789233m	284.73 ppb	100

(#) = qualifier out of range (m) = manual integration
0714L33.D LGAS0712.M Wed Jul 28 17:18:44 2021 Page 1

Quantitation Report (Not Reviewed)

Data File : M:\LOKI\DATA\210712\0714L33.D Vial: 33
Acq On : 15 Jul 21 00:51 Operator:
Sample : 210714B LCS 300ug/L Inst : Loki
Misc : IS&S: 10/21/20, 11/11/20 Multiplr: 1.00

Quant Time: Jul 28 17:13 2021 Quant Results File: L0712SUR.RES

Quant Method : M:\LOKI\DATA\210712\L0712SUR.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Jul 13 09:37:25 2021
Response via : Initial Calibration
DataAcq Meth : 070721_L8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.53	96	736713	25.00	ppb	0.00
4) Chlorobenzene-D5 (IS)	9.99	117	569687	25.00	ppb	0.00
7) 1,4-Dichlorobenzene-D4 (IS	12.55	152	293503	25.00	ppb	0.00
System Monitoring Compounds						
2) Dibromofluoromethane(S)	5.69	113	198709	25.16	ppb	0.00
Spiked Amount 25.000			Recovery =	100.652%		
3) 1,2-DCA-D4(S)	6.10	65	223993	25.34	ppb	0.00
Spiked Amount 25.000			Recovery =	101.360%		
5) Toluene-D8(S)	8.39	98	700677	24.12	ppb	0.00
Spiked Amount 25.000			Recovery =	96.464%		
6) 4-Bromofluorobenzene(S)	11.29	174	217135	21.79	ppb	0.00
Spiked Amount 25.000			Recovery =	87.156%		

Target Compounds Qvalue

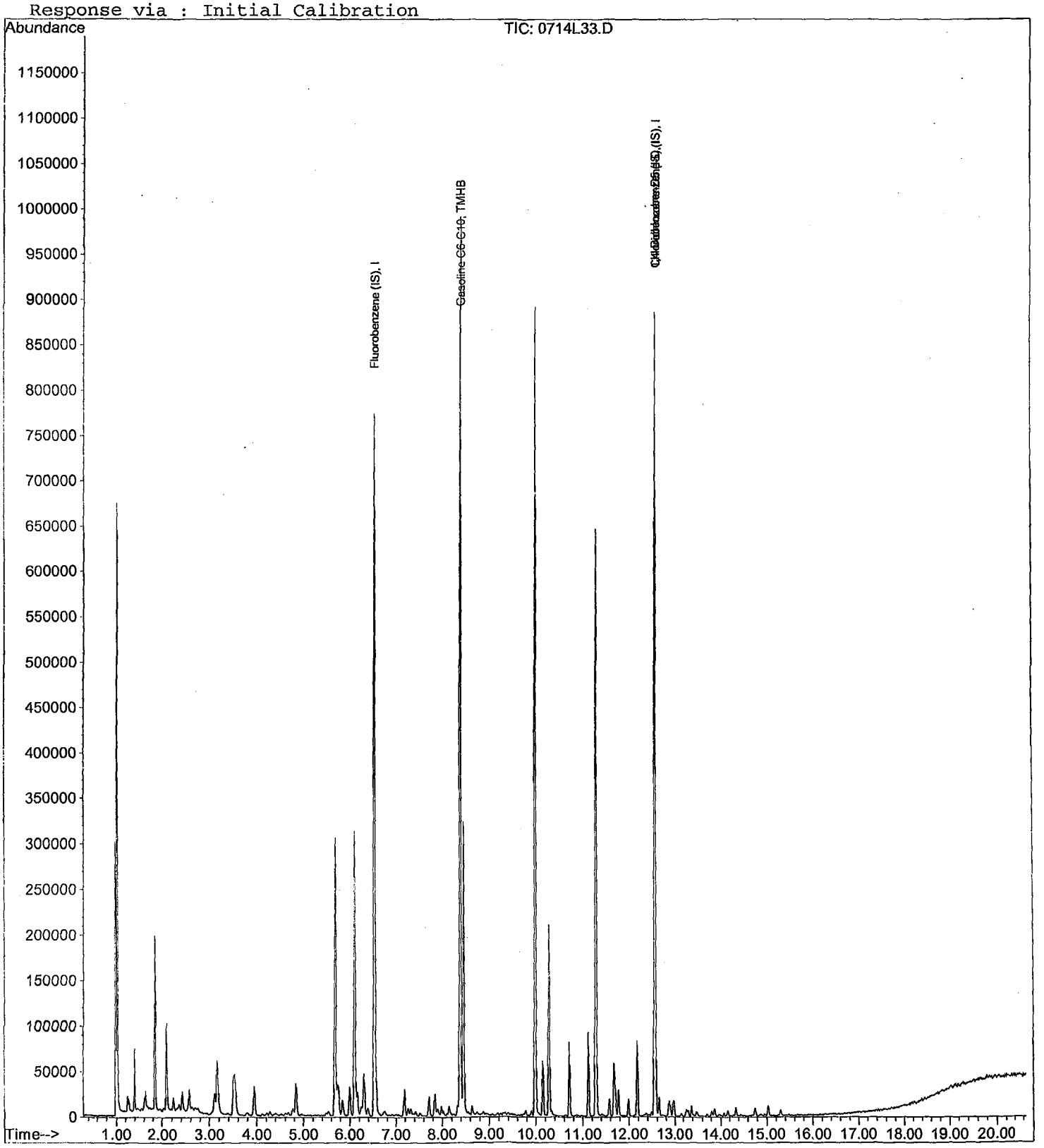
(#) = qualifier out of range (m) = manual integration
0714L33.D L0712SUR.M Wed Jul 28 17:17:27 2021 Page 1

Quantitation Report

Data File : M:\LOKI\DATA\210712\0714L33.D Vial: 33
Acq On : 15 Jul 21 00:51 Operator:
Sample : 210714B LCS 300ug/L Inst : Loki
Misc : IS&S: 10/21/20, 11/11/20 Multiplr: 1.00

Quant Time: Jul 28 17:05 2021 Quant Results File: LGAS0712.RES

Method : M:\LOKI\DATA\210712\LGAS0712.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Wed Jul 28 16:56:38 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\LOKI\DATA\210712\0714L34.D Vial: 34
Acq On : 15 Jul 21 1:19 Operator:
Sample : 210714B LCSD 300ug/L Inst : Loki
Misc : IS&S: 10/21/20, 11/11/20 Multiplr: 1.00

Quant Time: Jul 28 17:06 2021 Quant Results File: LGAS0712.RES

Quant Method : M:\LOKI\DATA\210712\LGAS0712.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Wed Jul 28 16:56:38 2021
Response via : Initial Calibration
DataAcq Meth : 070721_L8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.53	TIC	1564496	25.00	ppb	0.00
3) Chlorobenzene-D5 (IS)	12.55	TIC	1711314	25.00	ppb	0.00
4) 1,4-Dichlorobenzene-D (IS)	12.55	TIC	1726627	25.00	ppb	0.00
System Monitoring Compounds						
Target Compounds						Qvalue
2) Gasoline C6-C10	8.39	TIC	10851354m	266.78	ppb	100

(#) = qualifier out of range (m) = manual integration
0714L34.D LGAS0712.M Wed Jul 28 17:18:46 2021 Page 1

Quantitation Report (Not Reviewed)

Data File : M:\LOKI\DATA\210712\0714L34.D Vial: 34
Acq On : 15 Jul 21 1:19 Operator:
Sample : 210714B LCSD 300ug/L Inst : Loki
Misc : IS&S: 10/21/20, 11/11/20 Multiplr: 1.00

Quant Time: Jul 28 17:13 2021 Quant Results File: L0712SUR.RES

Quant Method : M:\LOKI\DATA\210712\L0712SUR.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Jul 13 09:37:25 2021
Response via : Initial Calibration
DataAcq Meth : 070721_L8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.53	96	755786	25.00	ppb	0.00
4) Chlorobenzene-D5 (IS)	9.99	117	585636	25.00	ppb	0.00
7) 1,4-Dichlorobenzene-D4 (IS	12.55	152	299321	25.00	ppb	0.00
System Monitoring Compounds						
2) Dibromofluoromethane(S)	5.69	113	201120	24.83	ppb	0.00
Spiked Amount 25.000			Recovery =	99.304%		
3) 1,2-DCA-D4(S)	6.10	65	229060	25.26	ppb	0.00
Spiked Amount 25.000			Recovery =	101.036%		
5) Toluene-D8(S)	8.39	98	713919	23.90	ppb	0.00
Spiked Amount 25.000			Recovery =	95.612%		
6) 4-Bromofluorobenzene(S)	11.29	174	224942	21.96	ppb	0.00
Spiked Amount 25.000			Recovery =	87.832%		

Target Compounds Qvalue

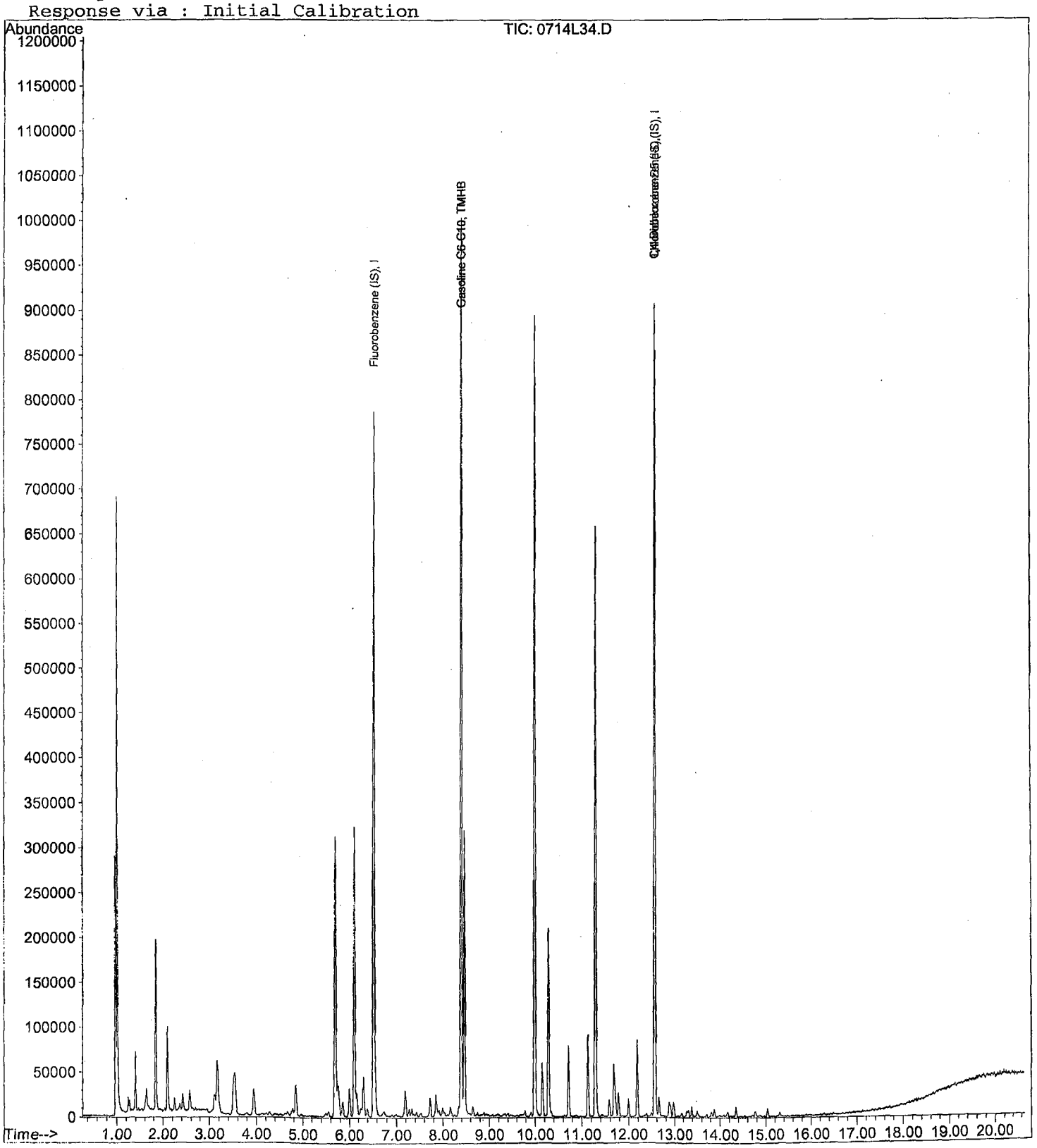
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\LOKI\DATA\210712\0714L34.D Vial: 34
Acq On : 15 Jul 21 1:19 Operator:
Sample : 210714B LCSD 300ug/L Inst : Loki
Misc : IS&S: 10/21/20, 11/11/20 Multiplr: 1.00

Quant Time: Jul 28 17:06 2021 Quant Results File: LGAS0712.RES

Method : M:\LOKI\DATA\210712\LGAS0712.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Wed Jul 28 16:56:38 2021
Response via : Initial Calibration



Injection Log

Directory: M:\LOKI\DATA\210712\

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	2	0712L12.D	1	0.3ug/L VOC STD 7/12/21	IS&S: 10/21/20, 11/11/20	12 Jul 21 14:09
2	3	0712L13.D	1	0.5ug/L VOC STD 7/12/21	IS&S: 10/21/20, 11/11/20	12 Jul 21 14:37
3	4	0712L14.D	1	1ug/L VOC STD 7/12/21	IS&S: 10/21/20, 11/11/20	12 Jul 21 15:04
4	5	0712L15.D	1	2ug/L VOC STD 7/12/21	IS&S: 10/21/20, 11/11/20	12 Jul 21 15:32
5	6	0712L16.D	1	5ug/L VOC STD 7/12/21	IS&S: 10/21/20, 11/11/20	12 Jul 21 15:59
6	7	0712L17.D	1	10ug/L VOC STD 7/12/21	IS&S: 10/21/20, 11/11/20	12 Jul 21 16:27
7	8	0712L18.D	1	20ug/L VOC STD 7/12/21	IS&S: 10/21/20, 11/11/20	12 Jul 21 16:54
8	9	0712L19.D	1	40ug/L VOC STD 7/12/21	IS&S: 10/21/20, 11/11/20	12 Jul 21 17:22
9	10	0712L20.D	1	100ug/L VOC STD 7/12/21	IS&S: 10/21/20, 11/11/20	12 Jul 21 17:49
10	12	0712L22.D	1	(SS) 10ug/L VOC STD 7/12/21	IS&S: 10/21/20, 11/11/20	12 Jul 21 18:45
11	30	0713L30.D	1	20ug/L GAS STD 7/13/21	IS&S: 10/21/20, 11/11/20	13 Jul 21 23:03
12	31	0713L31.D	1	50ug/L GAS STD 7/13/21	IS&S: 10/21/20, 11/11/20	13 Jul 21 23:31
13	32	0713L32.D	1	100ug/L GAS STD 7/13/21	IS&S: 10/21/20, 11/11/20	13 Jul 21 23:58
14	33	0713L33.D	1	300ug/L GAS STD 7/13/21	IS&S: 10/21/20, 11/11/20	14 Jul 21 00:26
15	34	0713L34.D	1	600ug/L GAS STD 7/13/21	IS&S: 10/21/20, 11/11/20	14 Jul 21 00:53
16	35	0713L35.D	1	800ug/L GAS STD 7/13/21	IS&S: 10/21/20, 11/11/20	14 Jul 21 1:21
17	36	0713L36.D	1	1000ug/L GAS STD 7/13/21	IS&S: 10/21/20, 11/11/20	14 Jul 21 1:48
18	37	0713L37.D	1	(SS) 300ug/L GAS STD 7/13/21	IS&S: 10/21/20, 11/11/20	14 Jul 21 2:16
19	32	0714L32.D	1	210714B CCV 300ug/L	IS&S: 10/21/20, 11/11/20	15 Jul 21 00:24
20	33	0714L33.D	1	210714B LCS 300ug/L	IS&S: 10/21/20, 11/11/20	15 Jul 21 00:51
21	34	0714L34.D	1	210714B LCSD 300ug/L	IS&S: 10/21/20, 11/11/20	15 Jul 21 1:19
22	35	0714L35.D	1	210714B BLK	IS&S: 10/21/20, 11/11/20	15 Jul 21 1:46
23	36	0714L36.D	1	BA35744W01	IS&S: 10/21/20, 11/11/20	15 Jul 21 2:14
24	37	0714L37.D	1	BA35745W01	IS&S: 10/21/20, 11/11/20	15 Jul 21 2:42
25	38	0714L38.D	1	BA35747W01	IS&S: 10/21/20, 11/11/20	15 Jul 21 3:09
26	39	0714L39.D	1	BA35748W01	IS&S: 10/21/20, 11/11/20	15 Jul 21 3:37
27	40	0714L40.D	1	BA35750W01	IS&S: 10/21/20, 11/11/20	15 Jul 21 4:04
28	41	0714L41.D	1	BA35752W01	IS&S: 10/21/20, 11/11/20	15 Jul 21 4:32
29	42	0714L42.D	1	BA35753W01	IS&S: 10/21/20, 11/11/20	15 Jul 21 4:59
30	44	0714L44.D	1	Ending CCV 300ug/L 7/14/21	IS&S: 10/21/20, 11/11/20	15 Jul 21 5:54