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

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

Data Validatable Report

January 17, 2022

AECOM
1001 Bishop Street, Suite 1600
Honolulu, Hawaii 96813

Attn: Alethea Ramos

Title: Report of Data: Case 97466

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:

Nine water samples were received September 10, 2021 and August 9, 2021. Written results for the requested analyses are being provided on this January 17, 2022.

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

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

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

Loren Portwood, Laboratory Director
APPL, Inc.

LP/lac
Enclosure
cc: File

Data Validation Package
for
60571032 CV18F0126 Red Hill Fuel Storage
APPL SDG 97466
TABLE OF CONTENTS

LABORATORY NAME: *APPL, Inc.*

CASE NARRATIVE

Case Narrative

ARF: 97466

Project: 60571032 CV18F0126 Red Hill Fuel Storage. HI

Sample Receipt Information:

Nine water samples were received September 10, 2021 at 1.1°C, 1.1°C, and 2.1°C. The sample group was assigned Analytical Request Form (ARF) number 97466.

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 8015B Blank: For the 210910B-Blank, Oil was detected above one-half the LOQ. The associated samples were B-flagged.

EPA 8015B SGC: For the 210915A1-Blank, Oil was detected above one-half the LOQ. The associated samples were B-flagged.

For the 210915A1-LCS/LCSD, Diesel, Oil, and both surrogates recover above their upper control limits. Four samples and the method blank recover two surrogates above the upper control limit.

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

SDG	Received	Client ID	APPL ID	Collected DateTime	Matrix	Method	Method Description
97466	9/10/2021	ERH1652	BA40208	9/8/2021 10:00:00 AM	WATER	EPA 8260B	EPA 8260B BTEX WATER
97466	9/10/2021	ERH1652	BA40208	9/8/2021 10:00:00 AM	WATER	EPA 8260B	EPA 8260B GRO WATER
97466	9/10/2021	ERH1653	BA40209	9/8/2021 10:05:00 AM	WATER	EPA 8260B	EPA 8260B BTEX WATER
97466	9/10/2021	ERH1653	BA40209	9/8/2021 10:05:00 AM	WATER	EPA 8015B-eHL	EPA 8015B TPH WATER L-L SGC
97466	9/10/2021	ERH1653	BA40209	9/8/2021 10:05:00 AM	WATER	EPA 8015B-eHL	EPA 8015B TPH LIQ-LIQ
97466	9/10/2021	ERH1653	BA40209	9/8/2021 10:05:00 AM	WATER	EPA 8260B	EPA 8260B GRO WATER
97466	9/10/2021	ERH1653	BA40209	9/8/2021 10:05:00 AM	WATER	8270D-SIM	EPA 8270D SIM LIQ-LIQ
97466	9/10/2021	ERH1654	BA40210	9/8/2021 11:30:00 AM	WATER	EPA 8260B	EPA 8260B BTEX WATER
97466	9/10/2021	ERH1654	BA40210	9/8/2021 11:30:00 AM	WATER	EPA 8260B	EPA 8260B GRO WATER
97466	9/10/2021	ERH1655	BA40211	9/8/2021 11:35:00 AM	WATER	EPA 8260B	EPA 8260B BTEX WATER
97466	9/10/2021	ERH1655	BA40211	9/8/2021 11:35:00 AM	WATER	EPA 8015B-eHL	EPA 8015B TPH WATER L-L SGC
97466	9/10/2021	ERH1655	BA40211	9/8/2021 11:35:00 AM	WATER	EPA 8015B-eHL	EPA 8015B TPH LIQ-LIQ
97466	9/10/2021	ERH1655	BA40211	9/8/2021 11:35:00 AM	WATER	EPA 8260B	EPA 8260B GRO WATER
97466	9/10/2021	ERH1655	BA40211	9/8/2021 11:35:00 AM	WATER	8270D-SIM	EPA 8270D SIM LIQ-LIQ
97466	9/10/2021	ERH1656	BA40212	9/8/2021 1:15:00 PM	WATER	EPA 8260B	EPA 8260B BTEX WATER
97466	9/10/2021	ERH1656	BA40212	9/8/2021 1:15:00 PM	WATER	EPA 8260B	EPA 8260B GRO WATER
97466	9/10/2021	ERH1657	BA40213	9/8/2021 1:20:00 PM	WATER	EPA 8260B	EPA 8260B BTEX WATER
97466	9/10/2021	ERH1657	BA40213	9/8/2021 1:20:00 PM	WATER	EPA 8015B-eHL	EPA 8015B TPH WATER L-L SGC
97466	9/10/2021	ERH1657	BA40213	9/8/2021 1:20:00 PM	WATER	EPA 8015B-eHL	EPA 8015B TPH LIQ-LIQ
97466	9/10/2021	ERH1657	BA40213	9/8/2021 1:20:00 PM	WATER	EPA 8260B	EPA 8260B GRO WATER
97466	9/10/2021	ERH1657	BA40213	9/8/2021 1:20:00 PM	WATER	8270D-SIM	EPA 8270D SIM LIQ-LIQ
97466	9/10/2021	ERH1658	BA40214	9/8/2021 8:26:00 AM	WATER	EPA 8260B	EPA 8260B BTEX WATER
97466	9/10/2021	ERH1658	BA40214	9/8/2021 8:26:00 AM	WATER	EPA 8260B	EPA 8260B GRO WATER
97466	9/10/2021	ERH1659	BA40215	9/8/2021 8:30:00 AM	WATER	EPA 8260B	EPA 8260B BTEX WATER
97466	9/10/2021	ERH1659	BA40215	9/8/2021 8:30:00 AM	WATER	EPA 8015B-eHL	EPA 8015B TPH WATER L-L SGC
97466	9/10/2021	ERH1659	BA40215	9/8/2021 8:30:00 AM	WATER	EPA 8015B-eHL	EPA 8015B TPH LIQ-LIQ
97466	9/10/2021	ERH1659	BA40215	9/8/2021 8:30:00 AM	WATER	EPA 8260B	EPA 8260B GRO WATER
97466	9/10/2021	ERH1659	BA40215	9/8/2021 8:30:00 AM	WATER	8270D-SIM	EPA 8270D SIM LIQ-LIQ
97466	9/10/2021	ERH1660	BA40216	9/8/2021 10:05:00 AM	WATER	EPA 8260B	EPA 8260B BTEX WATER
97466	9/10/2021	ERH1660	BA40216	9/8/2021 10:05:00 AM	WATER	EPA 8015B-eHL	EPA 8015B TPH WATER L-L SGC
97466	9/10/2021	ERH1660	BA40216	9/8/2021 10:05:00 AM	WATER	EPA 8015B-eHL	EPA 8015B TPH LIQ-LIQ
97466	9/10/2021	ERH1660	BA40216	9/8/2021 10:05:00 AM	WATER	EPA 8260B	EPA 8260B GRO WATER
97466	9/10/2021	ERH1660	BA40216	9/8/2021 10:05:00 AM	WATER	8270D-SIM	EPA 8270D SIM LIQ-LIQ
97466	9/10/2021	ERH1653 BLANK	BA40217	9/8/2021 10:05:00 AM	WATER	EPA 8015B-eHL	EPA 8015B TPH LIQ-LIQ
97466	9/10/2021	ERH1655 BLANK	BA40218	9/8/2021 11:35:00 AM	WATER	EPA 8015B-eHL	EPA 8015B TPH LIQ-LIQ

97466	9/10/2021	ERH1657 BLANK	BA40219	9/8/2021 1:20:00 PM	WATER	EPA 8015B-eHL	EPA 8015B TPH LIQ-LIQ
97466	9/10/2021	ERH1659 BLANK	BA40220	9/8/2021 8:30:00 AM	WATER	EPA 8015B-eHL	EPA 8015B TPH LIQ-LIQ
97466	9/10/2021	ERH1660 BLANK	BA40221	9/8/2021 10:05:00 AM	WATER	EPA 8015B-eHL	EPA 8015B TPH LIQ-LIQ

Abbreviations and Flags

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

SAMPLE RECORDS MANAGEMENT

CHAIN OF CUSTODY,

ARF, CRF, AND

CLIENT COMMUNICATION

APPL - Analysis Request Form 97466

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** # **53004**
RAD Screen (Y/N): **Y** pH (Y/N): **Y**
Turn Around Type: **ONE WEEK**

Received by: **MSA**
Date Received: **09/10/21** Time: **10:40**
Delivered by: **FEDEX**
Shuttle Custody Seals (Y/N): **Y** Time Zone: **-10**
Chest Temp(s): **1.1,1.1,2.1°C**
Color: **VFRG/Receiving**
Samples Chilled until Placed in Refrig/Freezer: **Y**
Project Manager: **Libby Cheesebor**
QC Report Type: **DVP4DOD/EQUIS/HI**
Due Date: **09/17/21**

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

Sample Distribution:
GC: 5-$DOC53SGCW5LIQ, 5-$DOC53W5LIQ, 5-$SIM53LIQ51, 5-$RHBLKETBLK
Extractions: 5-_LIQ003, 10-_LIQ005, 5-_LIQ005SGC
VOA: 9-$86BTOTXDOD5W, 9-$GASBL, 9-$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.	ERH1652	LCSD	BA40208W	09/08/21	10:00	$86BTOTXDOD5W, $GASBL, $GRO86BW -- See Comments
2.	ERH1653	LCSD	BA40209W	09/08/21	10:05	$86BTOTXDOD5W, $DOC53SGCW5LIQ, $DOC53W5LIQ, $GASBL, $GRO86BW, $SIM53LIQ51 -- See Comments
3.	ERH1654	LCSD	BA40210W	09/08/21	11:30	$86BTOTXDOD5W, $GASBL, $GRO86BW -- See Comments
4.	ERH1655	LCSD	BA40211W	09/08/21	11:35	$86BTOTXDOD5W, $DOC53SGCW5LIQ, $DOC53W5LIQ, $GASBL, $GRO86BW, $SIM53LIQ51 -- See Comments

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

5.	ERH1656	LCSD BA40212W	09/08/21	13:15	$86BTOTXDOD5W, $GASBL, $GRO86BW -- See Comments
6.	ERH1657	LCSD BA40213W	09/08/21	13:20	$86BTOTXDOD5W, $DOC53SGCW5LIQ, $DOC53W5LIQ, $GASBL, $GRO86BW, $SIM53LIQ51 -- See Comments
7.	ERH1658	LCSD BA40214W	09/08/21	08:26	$86BTOTXDOD5W, $GASBL, $GRO86BW -- See Comments
8.	ERH1659	LCSD BA40215W	09/08/21	08:30	$86BTOTXDOD5W, $DOC53SGCW5LIQ, $DOC53W5LIQ, $GASBL, $GRO86BW, $SIM53LIQ51 -- See Comments
9.	ERH1660	LCSD BA40216W	09/08/21	10:05	$86BTOTXDOD5W, $DOC53SGCW5LIQ, $DOC53W5LIQ, $GASBL, $GRO86BW, $SIM53LIQ51 -- See Comments
10.	ERH1653 BLANK	LCSD BA40217W	09/08/21	10:05	$RHBLKETBLK -- See Comments
11.	ERH1655 BLANK	LCSD BA40218W	09/08/21	11:35	$RHBLKETBLK -- See Comments
12.	ERH1657 BLANK	LCSD BA40219W	09/08/21	13:20	$RHBLKETBLK -- See Comments
13.	ERH1659 BLANK	LCSD BA40220W	09/08/21	08:30	$RHBLKETBLK -- See Comments
14.	ERH1660 BLANK	LCSD BA40221W	09/08/21	10:05	$RHBLKETBLK -- See Comments

APPL Sample Receipt Form

ARF# **97466**

Sample	Container Type	Count	p
BA40208	[13] VOAs - HCL	4	NA
BA40209	[13] VOAs - HCL	4	NA
	[17] Amber Liter	2	NA
	[39] Amber Liter, HCL prsvd	2	1.3
BA40210	[13] VOAs - HCL	4	NA
BA40211	[13] VOAs - HCL	4	NA
	[17] Amber Liter	2	NA
	[39] Amber Liter, HCL prsvd	2	1.3
BA40212	[13] VOAs - HCL	4	NA
BA40213	[13] VOAs - HCL	4	NA
	[17] Amber Liter	2	NA
	[39] Amber Liter, HCL prsvd	2	1.3
BA40214	[13] VOAs - HCL	4	NA
BA40215	[13] VOAs - HCL	4	NA
	[17] Amber Liter	2	NA
	[39] Amber Liter, HCL prsvd	2	1.3
BA40216	[13] VOAs - HCL	4	NA
	[17] Amber Liter	2	NA
	[39] Amber Liter, HCL prsvd	2	1.3
BA40217	[39] Amber Liter, HCL prsvd	1	NA
BA40218	[39] Amber Liter, HCL prsvd	1	NA
BA40219	[39] Amber Liter, HCL prsvd	1	NA
BA40220	[39] Amber Liter, HCL prsvd	1	NA
BA40221	[39] Amber Liter, HCL prsvd	1	NA

Sample	Container Type	Count	p

Summary

974060

APPL LABS

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

CHAIN OF CUSTODY RECORD

C.O.C. 53004

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

Project Name/Number	Sampler (Print)
60571032.02.20.01	GM, MM, AR
Purchase Order Number	**Sampler (Signature)**
102604	Weifeng for GM, MM, AR

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

Sample Identification	Location	Date Collected	Time Collected	Time Zone	No. of Containers	Matrix: Aq	Matrix: Sed.	Matrix: Soil	Analysis Requested/Method Number: BTEX 8260	TPH-G 8260	TPH-D/O 8015	TPH-D/O SGC 8015	PAHs Short List 8270D SIM
ERH1652	Trip Blank	9/8/21	10:00	HST	4	X			X	X			
ERH1653	RHMW-01R		10:05		8	X			X	X	X	X	X*
ERH1654	Trip Blank		11:30		4	X			X	X			
ERH1655	RHMW-02		11:35		8	X			X	X	X	X	X*
ERH1656	Trip Blank		13:15		4	X			X	X			
ERH1657	RHMW-03		13:20		8	X			X	X	X	X	X*
ERH1658	Trip Blank		08:26		4	X			X	X			
ERH1659	RHSF		08:30		8	X			X	X	X	X	X*
ERH1660	RHMW-01R		10:05		8	X			X	X	X	X	X*

WZ 9/9/21

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

* Naphthalene
1-methylnaphthalene
2-methylnaphthalene

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Shuttle Temperature: 4.0/2°C R3e 3.0/1.1, 3.0/1.1

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	Date 9/9/21	Time 15:00	Received by:	Relinquished by:	Date 9/10/21	Time 1040	Received at lab by:

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

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. 53005 1/3

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

Project Name/Number	Sampler (Print)	Purchase Order Number	Sampler (Signature)
60571032.02.20.01	GM, MM, AR	102604	Weifeng for GM, MM, AR

Date Shipped: 9/9/2021
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 8270 SIM	
ERH1652	Trip Blank	9/8/21	10:00	HST	4	X			X	X				
ERH1653	RHMW-01R		10:05		8	X			X	X	X	X	X*	
ERH1654	Trip Blank		11:30		0	X			X	X				
ERH1655	RHMW-02		11:35		0	X			X	X	X	X	X*	
ERH1656	Trip Blank		13:15		0	X			X	X				
ERH1657	RHMW-03		13:20		0	X			X	X	X	X	X*	
ERH1658	Trip Blank		08:26		0	X			X	X				
ERH1659	RHSF		08:30		0	X			X	X	X	X	X*	
ERH1660	RHMW-01R		10:05		8	X			X	X	X	X	X*	

WZ 9/9/21

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

13 of 501

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	9/9/21	15:00	Received by:	Relinquished by:	9-10-21	1040	Received at lab by:

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

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. 53006 2/3

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

Project Name/Number	Sampler (Print)	Date Shipped: 9/9/2021
60571032.02.20.01	GM, MM, AR	Carrier: FedEx
Purchase Order Number	Sampler (Signature)	Waybill No.:
102604	Weifeng for GM, MM, AR	Comments:

Sample Identification	Location	Date Collected	Time Collected	Time Zone	No. of Containers	Matrix: Aq	Sed.	Soil	Analysis Requested/Method Number: BTEX 8260 SIM WZ	TPH-G 8260	TPH-D/O 8015 SGC	TPH-D/O 8015 SGC	PAHs Short list 8270D SIM							
ERH1652	Trip Blank	9/8/21	10:00	HST	0	X			X	X										
ERH1653	RHMW-01R		10:05		0	X			X	X	X	X	X*							
ERH1654	Trip Blank		11:30		4	X			X	X										
ERH1655	RHMW-02		11:35		8	X			X	X	X	X	X*							
ERH1656	Trip Blank		13:15		4	X			X	X										
ERH1657	RHMW-03		13:20		8	X			X	X	X	X	X*							
ERH1658	Trip Blank		08:26		0	X			X	X										
ERH1659	RHSF		08:30		0	X			X	X	X	X	X*							
ERH1660	RHMW-01R		10:05		0	X			X	X	X	X	X*							

WZ 9/9/2021

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

14 of 501

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	9/9/21	15:00			9-10-21	1040	Received at lab by:

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

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. 53007 3/3

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

Project Name/Number	Sampler (Print)	Purchase Order Number	Sampler (Signature)
60571032.02.20.01	GM, MM, AR	102604	Weifeng for GM, MM, AR

Date Shipped: 9/9/2021
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
ERH1652	Trip Blank	9/8/21	10:00	HST	0	X			X	X			
ERH1653	RHMW-01R		10:05		0	X			X	X	X	X	X*
ERH1654	Trip Blank		11:30		0	X			X	X			
ERH1655	RHMW-02		11:35		0	X			X	X	X	X	X*
ERH1656	Trip Blank		13:15		0	X			X	X			
ERH1657	RHMW-03		13:20		0	X			X	X	X	X	X*
ERH1658	Trip Blank		08:26		4	X			X	X			
ERH1659	RHSF		08:30		8	X			X	X	X	X	X*
ERH1660	RHMW-01R		10:05		0	X			X	X	X	X	X*

WZ 9/9/2021

15 of 501

TPH-D/O and PAHs need liquid-liquid Extractions;
* 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	9/9/21	15:00			9-10-21	1040	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: 97466**

1) Project: 60571032 CV18F0126 Red Hill Fuel Storage Date Received: 9/10/2021

2) Coolers: Number of Coolers: 3

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

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

5) Type of packing in cooler: X bubble wrap __ popcorn X foam __ 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: -2.4°C

8) Cooler temp(s): In °C. Thermometer Temp / Corrected Temp
1: 3.0/1.1 2: 3.0/1.1 3: 4.0/2.1 4: _____ 5: _____ 6: _____
7: _____ 8: _____ 9: _____ 10: _____ 11: _____ 12: _____

Chain of custody:

9) YES Was a chain of custody received?

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

Sample Labels:

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

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

Sample Containers:

13) YES Were all containers sealed in separate bags?

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

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

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

17) Yes Were bubbles present in volatile samples?
If yes, the following were received with air bubbles:
Larger than a pea: BA40211W3-W4
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?

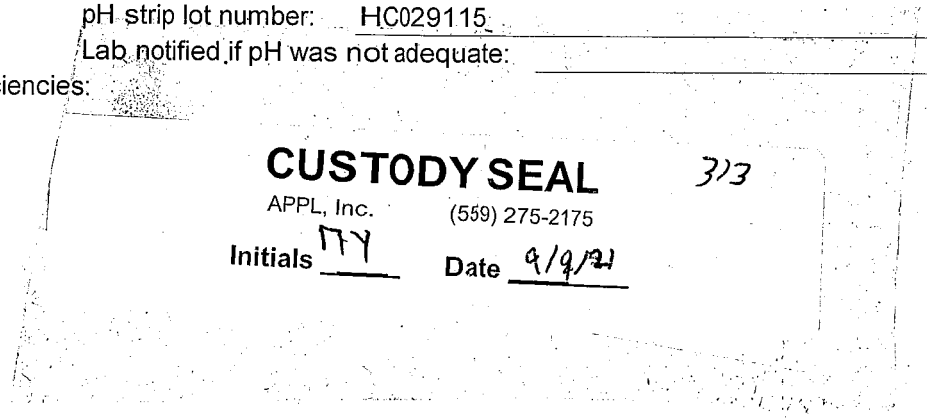
20) Yes Was the pH of acid preserved non-VOA samples < 2?

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:



Personnel receiving samples: MS Second reviewer: SS
Personnel labeling samples: DR
Project manager notified: MS Date/Time of notification 9/10/2021
Name of client notified: _____ Date/Time of notification _____

SAMPLE RESULTS

EPA 8015B TPH WATER L-L SGC

AECOM
1001 Bishop Street, Suite 1600
Honolulu, HI 96813

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 97466

Sample ID: ERH1653

APPL ID: BA40209

Sample Collection Date: 09/08/21

QCG: #DOC53-210915A1-268959

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8015B-e	DIESEL (C10-C24)	320 U	320	150.0	ug/L	09/15/21	10/11/21
EPA 8015B-e	OIL (C24-C40)	330 B	320	150.0	ug/L	09/15/21	10/11/21
EPA 8015B-e	SURROGATE: (R) DECANOIC ACID (	0.0	0-1		%	09/15/21	10/11/21
EPA 8015B-e	SURROGATE: OCTACOSANE (S)	160 #	60-142		%	09/15/21	10/11/21
EPA 8015B-e	SURROGATE: ORTHO-TERPHENYL (	128 #	56-125		%	09/15/21	10/11/21

B = The analyte was found in a method blank, as well as in the sample.
# = Recovery (or RPD) is outside QC limits.

Quant Method:	DEC0911.M
Run #:	1011021
Instrument:	Apollo
Sequence:	211011
Dilution Factor:	1
Initials:	KAB

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APPL-F1-SC-NoMC-REG MDLs

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: 97466

Sample ID: ERH1653

APPL ID: BA40209

Sample Collection Date: 09/08/21

QCG: #DOC53-210915A-268223

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8015B-e	DIESEL (C10-C24)	280 J	320	150.0	ug/L	09/15/21	09/20/21
EPA 8015B-e	OIL (C24-C40)	230 J	320	150.0	ug/L	09/15/21	09/20/21
EPA 8015B-e	SURROGATE: OCTACOSANE (S)	115	60-142		%	09/15/21	09/20/21
EPA 8015B-e	SURROGATE: ORTHO-TERPHENYL (	94.7	56-125		%	09/15/21	09/20/21

J = Estimated value.

Quant Method:	DOC0830.M
Run #:	916170
Instrument:	Apollo
Sequence:	210916
Dilution Factor:	1
Initials:	LA

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APPL-F1-SC-NoMC-REG MDLs

EPA 8015B TPH WATER L-L SGC

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

Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 97466

Sample ID: ERH1655

APPL ID: BA40211

Sample Collection Date: 09/08/21

QCG: #DOC53-210915A1-268959

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8015B-e	DIESEL (C10-C24)	1400	320	150.0	ug/L	09/15/21	10/12/21
EPA 8015B-e	OIL (C24-C40)	300 B J	320	150.0	ug/L	09/15/21	10/12/21
EPA 8015B-e	SURROGATE: (R) DECANOIC ACID (	0.0	0-1		%	09/15/21	10/12/21
EPA 8015B-e	SURROGATE: OCTACOSANE (S)	168 #	60-142		%	09/15/21	10/12/21
EPA 8015B-e	SURROGATE: ORTHO-TERPHENYL (	136 #	56-125		%	09/15/21	10/12/21

J = Estimated value.
B = The analyte was found in a method blank, as well as in the sample.
# = Recovery (or RPD) is outside QC limits.

Quant Method:	DEC0911.M
Run #:	1011024
Instrument:	Apollo
Sequence:	211011
Dilution Factor:	1
Initials:	KAB

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APPL-F1-SC-NoMC-REG MDLs

EPA 8015B TPH LIQ-LIQ

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Honolulu, HI 96813

APPL Inc.
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Clovis, CA 93611

Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 97466

Sample ID: ERH1655

APPL ID: BA40211

Sample Collection Date: 09/08/21

QCG: #DOC53-210915A-268223

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8015B-e	DIESEL (C10-C24)	2700	320	150.0	ug/L	09/15/21	09/20/21
EPA 8015B-e	OIL (C24-C40)	660	320	150.0	ug/L	09/15/21	09/20/21
EPA 8015B-e	SURROGATE: OCTACOSANE (S)	104	60-142		%	09/15/21	09/20/21
EPA 8015B-e	SURROGATE: ORTHO-TERPHENYL (	87.9	56-125		%	09/15/21	09/20/21

Quant Method:	DOC0830.M
Run #:	916171
Instrument:	Apollo
Sequence:	210916
Dilution Factor:	1
Initials:	LA

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APPL-F1-SC-NoMC-REG MDLs

EPA 8015B TPH WATER L-L SGC

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Clovis, CA 93611

Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 97466

Sample ID: ERH1657

APPL ID: BA40213

Sample Collection Date: 09/08/21

QCG: #DOC53-210915A1-268959

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8015B-e	DIESEL (C10-C24)	320 U	320	150.0	ug/L	09/15/21	10/12/21
EPA 8015B-e	OIL (C24-C40)	410 B	320	150.0	ug/L	09/15/21	10/12/21
EPA 8015B-e	SURROGATE: (R) DECANOIC ACID (	0.0	0-1		%	09/15/21	10/12/21
EPA 8015B-e	SURROGATE: OCTACOSANE (S)	115	60-142		%	09/15/21	10/12/21
EPA 8015B-e	SURROGATE: ORTHO-TERPHENYL (	91.5	56-125		%	09/15/21	10/12/21

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

Quant Method:	DEC0911.M
Run #:	1011025
Instrument:	Apollo
Sequence:	211011
Dilution Factor:	1
Initials:	KAB

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APPL-F1-SC-NoMC-REG MDLs

EPA 8015B TPH LIQ-LIQ

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APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 97466

Sample ID: ERH1657

APPL ID: BA40213

Sample Collection Date: 09/08/21

QCG: #DOC53-210915A-268223

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8015B-e	DIESEL (C10-C24)	250 J	320	150.0	ug/L	09/15/21	09/20/21
EPA 8015B-e	OIL (C24-C40)	700	320	150.0	ug/L	09/15/21	09/20/21
EPA 8015B-e	SURROGATE: OCTACOSANE (S)	108	60-142		%	09/15/21	09/20/21
EPA 8015B-e	SURROGATE: ORTHO-TERPHENYL (	87.2	56-125		%	09/15/21	09/20/21

J = Estimated value.

Quant Method:	DOC0830.M
Run #:	916172
Instrument:	Apollo
Sequence:	210916
Dilution Factor:	1
Initials:	LA

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APPL-F1-SC-NoMC-REG MDLs

EPA 8015B TPH WATER L-L SGC

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APPL Inc.
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Clovis, CA 93611

Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 97466

Sample ID: ERH1659

APPL ID: BA40215

Sample Collection Date: 09/08/21

QCG: #DOC53-210915A1-268959

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8015B-e	DIESEL (C10-C24)	320 U	320	150.0	ug/L	09/15/21	10/12/21
EPA 8015B-e	OIL (C24-C40)	280 B J	320	150.0	ug/L	09/15/21	10/12/21
EPA 8015B-e	SURROGATE: (R) DECANOIC ACID (	0.0	0-1		%	09/15/21	10/12/21
EPA 8015B-e	SURROGATE: OCTACOSANE (S)	175 #	60-142		%	09/15/21	10/12/21
EPA 8015B-e	SURROGATE: ORTHO-TERPHENYL (	138 #	56-125		%	09/15/21	10/12/21

J = Estimated value.
B = The analyte was found in a method blank, as well as in the sample.
# = Recovery (or RPD) is outside QC limits.

Quant Method:	DEC0911.M
Run #:	1011026
Instrument:	Apollo
Sequence:	211011
Dilution Factor:	1
Initials:	KAB

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APPL-F1-SC-NoMC-REG MDLs

EPA 8015B TPH LIQ-LIQ

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Honolulu, HI 96813

APPL Inc.
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Clovis, CA 93611

Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 97466

Sample ID: ERH1659

APPL ID: BA40215

Sample Collection Date: 09/08/21

QCG: #DOC53-210915A-268223

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8015B-e	DIESEL (C10-C24)	320 U	320	150.0	ug/L	09/15/21	09/20/21
EPA 8015B-e	OIL (C24-C40)	320	320	150.0	ug/L	09/15/21	09/20/21
EPA 8015B-e	SURROGATE: OCTACOSANE (S)	105	60-142		%	09/15/21	09/20/21
EPA 8015B-e	SURROGATE: ORTHO-TERPHENYL (	85.4	56-125		%	09/15/21	09/20/21

Quant Method:	DOC0830.M
Run #:	916173
Instrument:	Apollo
Sequence:	210916
Dilution Factor:	1
Initials:	LA

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APPL-F1-SC-NoMC-REG MDLs

EPA 8015B TPH WATER L-L SGC

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Honolulu, HI 96813

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 97466

Sample ID: ERH1660

APPL ID: BA40216

Sample Collection Date: 09/08/21

QCG: #DOC53-210915A1-268959

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8015B-e	DIESEL (C10-C24)	320 U	320	150.0	ug/L	09/15/21	10/12/21
EPA 8015B-e	OIL (C24-C40)	270 B J	320	150.0	ug/L	09/15/21	10/12/21
EPA 8015B-e	SURROGATE: (R) DECANOIC ACID (	0.0	0-1		%	09/15/21	10/12/21
EPA 8015B-e	SURROGATE: OCTACOSANE (S)	192 #	60-142		%	09/15/21	10/12/21
EPA 8015B-e	SURROGATE: ORTHO-TERPHENYL (	147 #	56-125		%	09/15/21	10/12/21

J = Estimated value.
B = The analyte was found in a method blank, as well as in the sample.
# = Recovery (or RPD) is outside QC limits.

Quant Method:	DEC0911.M
Run #:	1011027
Instrument:	Apollo
Sequence:	211011
Dilution Factor:	1
Initials:	KAB

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APPL-F1-SC-NoMC-REG MDLs

EPA 8015B TPH LIQ-LIQ

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APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 97466

Sample ID: ERH1660

APPL ID: BA40216

Sample Collection Date: 09/08/21

QCG: #DOC53-210915A-268223

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8015B-e	DIESEL (C10-C24)	250 J	320	150.0	ug/L	09/15/21	09/20/21
EPA 8015B-e	OIL (C24-C40)	270 J	320	150.0	ug/L	09/15/21	09/20/21
EPA 8015B-e	SURROGATE: OCTACOSANE (S)	112	60-142		%	09/15/21	09/20/21
EPA 8015B-e	SURROGATE: ORTHO-TERPHENYL (	87.6	56-125		%	09/15/21	09/20/21

J = Estimated value.

Quant Method:	DOC0830.M
Run #:	916174
Instrument:	Apollo
Sequence:	210916
Dilution Factor:	1
Initials:	LA

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APPL-F1-SC-NoMC-REG MDLs

EPA 8015B TPH LIQ-LIQ

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Clovis, CA 93611

Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 97466

Sample ID: ERH1653 BLANK

APPL ID: BA40217

Sample Collection Date: 09/08/21

QCG: #RHBLK-210910B-268327

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8015B-e	DIESEL (C10-C24)	320 U	320	150.0	ug/L	09/14/21	10/11/22
EPA 8015B-e	OIL (C24-C40)	180 B J	320	150.0	ug/L	09/14/21	10/11/22
EPA 8015B-e	SURROGATE: OCTACOSANE (S)	101	60-142		%	09/14/21	10/11/22
EPA 8015B-e	SURROGATE: ORTHO-TERPHENYL (	84.2	56-125		%	09/14/21	10/11/22

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

Quant Method:	DOC0830.M
Run #:	1007172
Instrument:	Apollo
Sequence:	211007
Dilution Factor:	1
Initials:	KA

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APPL-F1-SC-NoMC-REG MDLs

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: 97466

Sample ID: ERH1655 BLANK

APPL ID: BA40218

Sample Collection Date: 09/08/21

QCG: #RHBLK-210910B-268327

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8015B-e	DIESEL (C10-C24)	320 U	320	150.0	ug/L	09/14/21	10/11/21
EPA 8015B-e	OIL (C24-C40)	160 B J	320	150.0	ug/L	09/14/21	10/11/21
EPA 8015B-e	SURROGATE: OCTACOSANE (S)	94.4	60-142		%	09/14/21	10/11/21
EPA 8015B-e	SURROGATE: ORTHO-TERPHENYL (	77.9	56-125		%	09/14/21	10/11/21

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

Quant Method:	DOC0830.M
Run #:	1007173
Instrument:	Apollo
Sequence:	211007
Dilution Factor:	1
Initials:	KA

Printed: 1/17/2022 10:04:57 AM
APPL-F1-SC-NoMC-REG MDLs

EPA 8015B TPH LIQ-LIQ

AECOM
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Honolulu, HI 96813

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 97466

Sample ID: ERH1657 BLANK

APPL ID: BA40219

Sample Collection Date: 09/08/21

QCG: #RHBLK-210910B-268327

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8015B-e	DIESEL (C10-C24)	320 U	320	150.0	ug/L	09/14/21	10/11/21
EPA 8015B-e	OIL (C24-C40)	200 B J	320	150.0	ug/L	09/14/21	10/11/21
EPA 8015B-e	SURROGATE: OCTACOSANE (S)	103	60-142		%	09/14/21	10/11/21
EPA 8015B-e	SURROGATE: ORTHO-TERPHENYL (	86.0	56-125		%	09/14/21	10/11/21

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

Quant Method:	DOC0830.M
Run #:	1007175
Instrument:	Apollo
Sequence:	211007
Dilution Factor:	1
Initials:	KA

Printed: 1/17/2022 10:04:57 AM
APPL-F1-SC-NoMC-REG MDLs

EPA 8015B TPH LIQ-LIQ

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APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 97466

Sample ID: ERH1659 BLANK

APPL ID: BA40220

Sample Collection Date: 09/08/21

QCG: #RHBLK-210910B-268327

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8015B-e	DIESEL (C10-C24)	320 U	320	150.0	ug/L	09/14/21	10/11/21
EPA 8015B-e	OIL (C24-C40)	160 B J	320	150.0	ug/L	09/14/21	10/11/21
EPA 8015B-e	SURROGATE: OCTACOSANE (S)	103	60-142		%	09/14/21	10/11/21
EPA 8015B-e	SURROGATE: ORTHO-TERPHENYL (	85.7	56-125		%	09/14/21	10/11/21

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

Quant Method:	DOC0830.M
Run #:	1007176
Instrument:	Apollo
Sequence:	211007
Dilution Factor:	1
Initials:	KA

Printed: 1/17/2022 10:04:57 AM
APPL-F1-SC-NoMC-REG MDLs

EPA 8015B TPH LIQ-LIQ

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Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 97466

Sample ID: ERH1660 BLANK

APPL ID: BA40221

Sample Collection Date: 09/08/21

QCG: #RHBLK-210910B-268327

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8015B-e	DIESEL (C10-C24)	320 U	320	150.0	ug/L	09/14/21	10/11/21
EPA 8015B-e	OIL (C24-C40)	150 B J	320	150.0	ug/L	09/14/21	10/11/21
EPA 8015B-e	SURROGATE: OCTACOSANE (S)	96.4	60-142		%	09/14/21	10/11/21
EPA 8015B-e	SURROGATE: ORTHO-TERPHENYL (	80.6	56-125		%	09/14/21	10/11/21

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

Quant Method:	DOC0830.M
Run #:	1007177
Instrument:	Apollo
Sequence:	211007
Dilution Factor:	1
Initials:	KA

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APPL-F1-SC-NoMC-REG MDLs

EPA 8270D SIM LIQ-LIQ

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Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 97466

Sample ID: ERH1653

APPL ID: BA40209

Sample Collection Date: 09/08/21

QCG: #SIM53-210914A-268032

Method	Analyte	Result	LOQ	LOD	DL	Units	Extraction Date	Analysis Date
8270D-SIM	1-METHYLNAPHTHALENE	0.14 J	0.2	0.10	0.04	ug/L	09/14/21	09/18/21
8270D-SIM	2-METHYLNAPHTHALENE	0.10 U	0.2	0.10	0.04	ug/L	09/14/21	09/18/21
8270D-SIM	NAPHTHALENE	0.10 U	0.2	0.10	0.04	ug/L	09/14/21	09/18/21
8270D-SIM	SURROGATE: 2-METHYLNAPHTHALEN	77.2	39-114			%	09/14/21	09/18/21
8270D-SIM	SURROGATE: FLUORANTHENE-D10 (S	77.6	58-120			%	09/14/21	09/18/21

J = Estimated value.

Quant Method:	L0914.M
Run #:	0914L100
Instrument:	Linus
Sequence:	L210914
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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Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 97466

Sample ID: ERH1655

APPL ID: BA40211

Sample Collection Date: 09/08/21

QCG: #SIM53-210914A-268032

Method	Analyte	Result	LOQ	LOD	DL	Units	Extraction Date	Analysis Date
8270D-SIM	1-METHYLNAPHTHALENE	19	0.2	0.10	0.04	ug/L	09/14/21	09/18/21
8270D-SIM	2-METHYLNAPHTHALENE	15	0.2	0.10	0.04	ug/L	09/14/21	09/18/21
8270D-SIM	NAPHTHALENE	36	0.2	0.10	0.04	ug/L	09/14/21	09/18/21
8270D-SIM	SURROGATE: 2-METHYLNAPHTHALEN	86.7	39-114			%	09/14/21	09/18/21
8270D-SIM	SURROGATE: FLUORANTHENE-D10 (S	51.7 #	58-120			%	09/14/21	09/18/21

= Recovery (or RPD) is outside QC limits.

Quant Method:	L0914.M
Run #:	0914L101
Instrument:	Linus
Sequence:	L210914
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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Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 97466

Sample ID: ERH1657

APPL ID: BA40213

Sample Collection Date: 09/08/21

QCG: #SIM53-210914A-268032

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	09/14/21	09/18/21
8270D-SIM	2-METHYLNAPHTHALENE	0.10 U	0.2	0.10	0.04	ug/L	09/14/21	09/18/21
8270D-SIM	NAPHTHALENE	0.10 U	0.2	0.10	0.04	ug/L	09/14/21	09/18/21
8270D-SIM	SURROGATE: 2-METHYLNAPHTHALEN	80.0	39-114			%	09/14/21	09/18/21
8270D-SIM	SURROGATE: FLUORANTHENE-D10 (S	43.7 #	58-120			%	09/14/21	09/18/21

= Recovery (or RPD) is outside QC limits.

Quant Method:	L0914.M
Run #:	0914L102
Instrument:	Linus
Sequence:	L210914
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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Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 97466

Sample ID: ERH1659

APPL ID: BA40215

Sample Collection Date: 09/08/21

QCG: #SIM53-210914A-268032

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	09/14/21	09/18/21
8270D-SIM	2-METHYLNAPHTHALENE	0.10 U	0.2	0.10	0.04	ug/L	09/14/21	09/18/21
8270D-SIM	NAPHTHALENE	0.10 U	0.2	0.10	0.04	ug/L	09/14/21	09/18/21
8270D-SIM	SURROGATE: 2-METHYLNAPHTHALEN	79.1	39-114			%	09/14/21	09/18/21
8270D-SIM	SURROGATE: FLUORANTHENE-D10 (S	80.5	58-120			%	09/14/21	09/18/21

Quant Method:	L0914.M
Run #:	0914L103
Instrument:	Linus
Sequence:	L210914
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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Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 97466

Sample ID: ERH1660

APPL ID: BA40216

Sample Collection Date: 09/08/21

QCG: #SIM53-210914A-268032

Method	Analyte	Result	LOQ	LOD	DL	Units	Extraction Date	Analysis Date
8270D-SIM	1-METHYLNAPHTHALENE	0.24	0.2	0.10	0.04	ug/L	09/14/21	09/18/21
8270D-SIM	2-METHYLNAPHTHALENE	0.10 U	0.2	0.10	0.04	ug/L	09/14/21	09/18/21
8270D-SIM	NAPHTHALENE	0.10 U	0.2	0.10	0.04	ug/L	09/14/21	09/18/21
8270D-SIM	SURROGATE: 2-METHYLNAPHTHALEN	75.1	39-114			%	09/14/21	09/18/21
8270D-SIM	SURROGATE: FLUORANTHENE-D10 (S	74.6	58-120			%	09/14/21	09/18/21

Quant Method: L0914.M
Run #: 0914L104
Instrument: Linus
Sequence: L210914
Dilution Factor: 1
Initials: LSI

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

EPA 8260B BTEX WATER

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Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 97466

Sample ID: ERH1652

APPL ID: BA40208

Sample Collection Date: 09/08/21

QCG: #86BTO-210920BL-269685

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	09/21/21	09/21/21
EPA 8260B	ETHYLBENZENE	0.50 U	1.0	0.50	0.23	ug/L	09/21/21	09/21/21
EPA 8260B	TOLUENE	0.30 U	1.0	0.30	0.15	ug/L	09/21/21	09/21/21
EPA 8260B	XYLENES (TOTAL)	0.30 U	2.0	0.30	0.15	ug/L	09/21/21	09/21/21
EPA 8260B	SURROGATE: 1,2-DICHLOROETHANE-	130 #	81-118			%	09/21/21	09/21/21
EPA 8260B	SURROGATE: 4-BROMOFLUOROBENZ	87.2	85-114			%	09/21/21	09/21/21
EPA 8260B	SURROGATE: DIBROMOFLUOROMETH	108	80-119			%	09/21/21	09/21/21
EPA 8260B	SURROGATE: TOLUENE-D8 (S)	98.2	89-112			%	09/21/21	09/21/21

= Recovery (or RPD) is outside QC limits.

Quant Method:	L0915W.M
Run #:	0920L36
Instrument:	Loki
Sequence:	210915
Dilution Factor:	1
Initials:	DA

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

EPA 8260B BTEX WATER

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Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 97466

Sample ID: ERH1653

APPL ID: BA40209

Sample Collection Date: 09/08/21

QCG: #86BTO-210920BL-269685

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	09/21/21	09/21/21
EPA 8260B	ETHYLBENZENE	0.50 U	1.0	0.50	0.23	ug/L	09/21/21	09/21/21
EPA 8260B	TOLUENE	0.30 U	1.0	0.30	0.15	ug/L	09/21/21	09/21/21
EPA 8260B	XYLENES (TOTAL)	0.30 U	2.0	0.30	0.15	ug/L	09/21/21	09/21/21
EPA 8260B	SURROGATE: 1,2-DICHLOROETHANE-	133 #	81-118			%	09/21/21	09/21/21
EPA 8260B	SURROGATE: 4-BROMOFLUOROBENZ	85.7	85-114			%	09/21/21	09/21/21
EPA 8260B	SURROGATE: DIBROMOFLUOROMETH	110	80-119			%	09/21/21	09/21/21
EPA 8260B	SURROGATE: TOLUENE-D8 (S)	99.8	89-112			%	09/21/21	09/21/21

= Recovery (or RPD) is outside QC limits.

Quant Method:	L0915W.M
Run #:	0920L37
Instrument:	Loki
Sequence:	210915
Dilution Factor:	1
Initials:	DA

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

EPA 8260B BTEX WATER

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Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 97466

Sample ID: ERH1654

APPL ID: BA40210

Sample Collection Date: 09/08/21

QCG: #86BTO-210920BL-269685

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	09/21/21	09/21/21
EPA 8260B	ETHYLBENZENE	0.50 U	1.0	0.50	0.23	ug/L	09/21/21	09/21/21
EPA 8260B	TOLUENE	0.30 U	1.0	0.30	0.15	ug/L	09/21/21	09/21/21
EPA 8260B	XYLENES (TOTAL)	0.30 U	2.0	0.30	0.15	ug/L	09/21/21	09/21/21
EPA 8260B	SURROGATE: 1,2-DICHLOROETHANE-	133 #	81-118			%	09/21/21	09/21/21
EPA 8260B	SURROGATE: 4-BROMOFLUOROBENZ	85.7	85-114			%	09/21/21	09/21/21
EPA 8260B	SURROGATE: DIBROMOFLUOROMETH	112	80-119			%	09/21/21	09/21/21
EPA 8260B	SURROGATE: TOLUENE-D8 (S)	96.9	89-112			%	09/21/21	09/21/21

= Recovery (or RPD) is outside QC limits.

Quant Method:	L0915W.M
Run #:	0920L38
Instrument:	Loki
Sequence:	210915
Dilution Factor:	1
Initials:	DA

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

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Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 97466

Sample ID: ERH1655

APPL ID: BA40211

Sample Collection Date: 09/08/21

QCG: #86BTO-210920BL-269685

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	09/21/21	09/21/21
EPA 8260B	ETHYLBENZENE	0.50 U	1.0	0.50	0.23	ug/L	09/21/21	09/21/21
EPA 8260B	TOLUENE	0.30 U	1.0	0.30	0.15	ug/L	09/21/21	09/21/21
EPA 8260B	XYLENES (TOTAL)	0.30 U	2.0	0.30	0.15	ug/L	09/21/21	09/21/21
EPA 8260B	SURROGATE: 1,2-DICHLOROETHANE-	129 #	81-118			%	09/21/21	09/21/21
EPA 8260B	SURROGATE: 4-BROMOFLUOROBENZ	103	85-114			%	09/21/21	09/21/21
EPA 8260B	SURROGATE: DIBROMOFLUOROMETH	107	80-119			%	09/21/21	09/21/21
EPA 8260B	SURROGATE: TOLUENE-D8 (S)	96.8	89-112			%	09/21/21	09/21/21

= Recovery (or RPD) is outside QC limits.

Quant Method: L0915W.M
Run #: 0920L39
Instrument: Loki
Sequence: 210915
Dilution Factor: 1
Initials: DA

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

EPA 8260B BTEX WATER

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Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 97466

Sample ID: ERH1656

APPL ID: BA40212

Sample Collection Date: 09/08/21

QCG: #86BTO-210920BL-269685

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	09/21/21	09/21/21
EPA 8260B	ETHYLBENZENE	0.50 U	1.0	0.50	0.23	ug/L	09/21/21	09/21/21
EPA 8260B	TOLUENE	0.30 U	1.0	0.30	0.15	ug/L	09/21/21	09/21/21
EPA 8260B	XYLENES (TOTAL)	0.30 U	2.0	0.30	0.15	ug/L	09/21/21	09/21/21
EPA 8260B	SURROGATE: 1,2-DICHLOROETHANE-	128 #	81-118			%	09/21/21	09/21/21
EPA 8260B	SURROGATE: 4-BROMOFLUOROBENZ	88.3	85-114			%	09/21/21	09/21/21
EPA 8260B	SURROGATE: DIBROMOFLUOROMETH	108	80-119			%	09/21/21	09/21/21
EPA 8260B	SURROGATE: TOLUENE-D8 (S)	97.9	89-112			%	09/21/21	09/21/21

= Recovery (or RPD) is outside QC limits.

Quant Method:	L0915W.M
Run #:	0920L40
Instrument:	Loki
Sequence:	210915
Dilution Factor:	1
Initials:	DA

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

EPA 8260B BTEX WATER

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Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 97466

Sample ID: ERH1657

APPL ID: BA40213

Sample Collection Date: 09/08/21

QCG: #86BTO-210920BL-269685

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	09/21/21	09/21/21
EPA 8260B	ETHYLBENZENE	0.50 U	1.0	0.50	0.23	ug/L	09/21/21	09/21/21
EPA 8260B	TOLUENE	0.30 U	1.0	0.30	0.15	ug/L	09/21/21	09/21/21
EPA 8260B	XYLENES (TOTAL)	0.30 U	2.0	0.30	0.15	ug/L	09/21/21	09/21/21
EPA 8260B	SURROGATE: 1,2-DICHLOROETHANE-	129 #	81-118			%	09/21/21	09/21/21
EPA 8260B	SURROGATE: 4-BROMOFLUOROBENZ	85.0	85-114			%	09/21/21	09/21/21
EPA 8260B	SURROGATE: DIBROMOFLUOROMETH	108	80-119			%	09/21/21	09/21/21
EPA 8260B	SURROGATE: TOLUENE-D8 (S)	97.7	89-112			%	09/21/21	09/21/21

= Recovery (or RPD) is outside QC limits.

Quant Method:	L0915W.M
Run #:	0920L41
Instrument:	Loki
Sequence:	210915
Dilution Factor:	1
Initials:	DA

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

EPA 8260B BTEX WATER

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Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 97466

Sample ID: ERH1658

APPL ID: BA40214

Sample Collection Date: 09/08/21

QCG: #86BTO-210920BL-269685

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	09/21/21	09/21/21
EPA 8260B	ETHYLBENZENE	0.50 U	1.0	0.50	0.23	ug/L	09/21/21	09/21/21
EPA 8260B	TOLUENE	0.30 U	1.0	0.30	0.15	ug/L	09/21/21	09/21/21
EPA 8260B	XYLENES (TOTAL)	0.30 U	2.0	0.30	0.15	ug/L	09/21/21	09/21/21
EPA 8260B	SURROGATE: 1,2-DICHLOROETHANE-	127 #	81-118			%	09/21/21	09/21/21
EPA 8260B	SURROGATE: 4-BROMOFLUOROBENZ	86.3	85-114			%	09/21/21	09/21/21
EPA 8260B	SURROGATE: DIBROMOFLUOROMETH	108	80-119			%	09/21/21	09/21/21
EPA 8260B	SURROGATE: TOLUENE-D8 (S)	97.0	89-112			%	09/21/21	09/21/21

= Recovery (or RPD) is outside QC limits.

Quant Method: L0915W.M
Run #: 0920L42
Instrument: Loki
Sequence: 210915
Dilution Factor: 1
Initials: DA

Printed: 10/30/2021 11:16:00 AM
APPL-F1-SC-NoMC-REG MDLs-DOD

EPA 8260B BTEX WATER

AECOM
1001 Bishop Street, Suite 1600
Honolulu, HI 96813

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 97466

Sample ID: ERH1659

APPL ID: BA40215

Sample Collection Date: 09/08/21

QCG: #86BTO-210920BL-269685

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	09/21/21	09/21/21
EPA 8260B	ETHYLBENZENE	0.50 U	1.0	0.50	0.23	ug/L	09/21/21	09/21/21
EPA 8260B	TOLUENE	0.30 U	1.0	0.30	0.15	ug/L	09/21/21	09/21/21
EPA 8260B	XYLENES (TOTAL)	0.30 U	2.0	0.30	0.15	ug/L	09/21/21	09/21/21
EPA 8260B	SURROGATE: 1,2-DICHLOROETHANE-	134 #	81-118			%	09/21/21	09/21/21
EPA 8260B	SURROGATE: 4-BROMOFLUOROBENZ	88.2	85-114			%	09/21/21	09/21/21
EPA 8260B	SURROGATE: DIBROMOFLUOROMETH	112	80-119			%	09/21/21	09/21/21
EPA 8260B	SURROGATE: TOLUENE-D8 (S)	98.8	89-112			%	09/21/21	09/21/21

= Recovery (or RPD) is outside QC limits.

Quant Method:	L0915W.M
Run #:	0920L43
Instrument:	Loki
Sequence:	210915
Dilution Factor:	1
Initials:	DA

Printed: 10/30/2021 11:16:00 AM

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

EPA 8260B BTEX WATER

AECOM
1001 Bishop Street, Suite 1600
Honolulu, HI 96813

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 97466

Sample ID: ERH1660

APPL ID: BA40216

Sample Collection Date: 09/08/21

QCG: #86BTO-210920BL-269685

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	09/21/21	09/21/21
EPA 8260B	ETHYLBENZENE	0.50 U	1.0	0.50	0.23	ug/L	09/21/21	09/21/21
EPA 8260B	TOLUENE	0.30 U	1.0	0.30	0.15	ug/L	09/21/21	09/21/21
EPA 8260B	XYLENES (TOTAL)	0.30 U	2.0	0.30	0.15	ug/L	09/21/21	09/21/21
EPA 8260B	SURROGATE: 1,2-DICHLOROETHANE-	132 #	81-118			%	09/21/21	09/21/21
EPA 8260B	SURROGATE: 4-BROMOFLUOROBENZ	82.9 #	85-114			%	09/21/21	09/21/21
EPA 8260B	SURROGATE: DIBROMOFLUOROMETH	108	80-119			%	09/21/21	09/21/21
EPA 8260B	SURROGATE: TOLUENE-D8 (S)	96.5	89-112			%	09/21/21	09/21/21

= Recovery (or RPD) is outside QC limits.

Quant Method:	L0915W.M
Run #:	0920L44
Instrument:	Loki
Sequence:	210915
Dilution Factor:	1
Initials:	DA

Printed: 10/30/2021 11:16:00 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: 97466

Sample ID: ERH1652

APPL ID: BA40208

Sample Collection Date: 09/08/21

QCG: #GRO86-210920BL-269689

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	09/21/21	09/21/21
EPA 8260B	SURROGATE: 4-BROMOFLUOROBENZ	87.2	85-114			%	09/21/21	09/21/21

Quant Method:	LSUR915.M
Run #:	0920L36
Instrument:	Loki
Sequence:	210915
Dilution Factor:	1
Initials:	DA

Printed: 10/30/2021 10:58:04 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: 97466

Sample ID: ERH1653

APPL ID: BA40209

Sample Collection Date: 09/08/21

QCG: #GRO86-210920BL-269689

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	09/21/21	09/21/21
EPA 8260B	SURROGATE: 4-BROMOFLUOROBENZ	85.7	85-114			%	09/21/21	09/21/21

Quant Method:	LSUR915.M
Run #:	0920L37
Instrument:	Loki
Sequence:	210915
Dilution Factor:	1
Initials:	DA

Printed: 10/30/2021 10:58:04 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: 97466

Sample ID: ERH1654

APPL ID: BA40210

Sample Collection Date: 09/08/21

QCG: #GRO86-210920BL-269689

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	09/21/21	09/21/21
EPA 8260B	SURROGATE: 4-BROMOFLUOROBENZ	85.7	85-114			%	09/21/21	09/21/21

Quant Method:	LSUR915.M
Run #:	0920L38
Instrument:	Loki
Sequence:	210915
Dilution Factor:	1
Initials:	DA

Printed: 10/30/2021 10:58:04 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: 97466

Sample ID: ERH1655

APPL ID: BA40211

Sample Collection Date: 09/08/21

QCG: #GRO86-210920BL-269689

Method	Analyte	Result	LOQ	LOD	DL	Units	Extraction Date	Analysis Date
EPA 8260B	GASOLINE RANGE ORGANICS	58	20	18.0	8.6	ug/L	09/21/21	09/21/21
EPA 8260B	SURROGATE: 4-BROMOFLUOROBENZ	103	85-114			%	09/21/21	09/21/21

Quant Method:	LSUR915.M
Run #:	0920L39
Instrument:	Loki
Sequence:	210915
Dilution Factor:	1
Initials:	DA

Printed: 10/30/2021 10:58:04 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: 97466

Sample ID: ERH1656

APPL ID: BA40212

Sample Collection Date: 09/08/21

QCG: #GRO86-210920BL-269689

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	09/21/21	09/21/21
EPA 8260B	SURROGATE: 4-BROMOFLUOROBENZ	88.3	85-114			%	09/21/21	09/21/21

Quant Method:	LSUR915.M
Run #:	0920L40
Instrument:	Loki
Sequence:	210915
Dilution Factor:	1
Initials:	DA

Printed: 10/30/2021 10:58:04 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: 97466

Sample ID: ERH1657

APPL ID: BA40213

Sample Collection Date: 09/08/21

QCG: #GRO86-210920BL-269689

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	09/21/21	09/21/21
EPA 8260B	SURROGATE: 4-BROMOFLUOROBENZ	85.0	85-114			%	09/21/21	09/21/21

Quant Method:	LSUR915.M
Run #:	0920L41
Instrument:	Loki
Sequence:	210915
Dilution Factor:	1
Initials:	DA

Printed: 10/30/2021 10:58:04 AM

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

EPA 8260B GRO WATER

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

Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 97466

Sample ID: ERH1658

APPL ID: BA40214

Sample Collection Date: 09/08/21

QCG: #GRO86-210920BL-269689

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	09/21/21	09/21/21
EPA 8260B	SURROGATE: 4-BROMOFLUOROBENZ	86.3	85-114			%	09/21/21	09/21/21

Quant Method:	LSUR915.M
Run #:	0920L42
Instrument:	Loki
Sequence:	210915
Dilution Factor:	1
Initials:	DA

Printed: 10/30/2021 10:58:04 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: 97466

Sample ID: ERH1659

APPL ID: BA40215

Sample Collection Date: 09/08/21

QCG: #GRO86-210920BL-269689

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	09/21/21	09/21/21
EPA 8260B	SURROGATE: 4-BROMOFLUOROBENZ	88.2	85-114			%	09/21/21	09/21/21

Quant Method:	LSUR915.M
Run #:	0920L43
Instrument:	Loki
Sequence:	210915
Dilution Factor:	1
Initials:	DA

Printed: 10/30/2021 10:58:04 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: 97466

Sample ID: ERH1660

APPL ID: BA40216

Sample Collection Date: 09/08/21

QCG: #GRO86-210920BL-269689

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	09/21/21	09/21/21
EPA 8260B	SURROGATE: 4-BROMOFLUOROBENZ	82.9 #	85-114			%	09/21/21	09/21/21

= Recovery (or RPD) is outside QC limits.

Quant Method:	LSUR915.M
Run #:	0920L44
Instrument:	Loki
Sequence:	210915
Dilution Factor:	1
Initials:	DA

Printed: 10/30/2021 10:58:04 AM

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

QC FORMS

EPA 8015B-eHL

Form 2 & 8

Surrogate Recovery

Lab Name: APPL, Inc. SDG No: 97466

Case No: 97466 Date Analyzed: 9/20/2021

Matrix: WATER Instrument: Apollo

APPL ID.	Client Sample No.	SURROGATE: OCTACOSANE (S)			SURROGATE: ORTHO-TERPHENYL (S)		
		Limits	Result	Qualifier	Limits	Result	Qualifier
210915A-BLK	Blank	60-142	109		56-125	89.3	
210915A-LCS	Lab Control Spike	60-142	113		56-125	103	
210915A-LCSD	Lab Control SpikeD	60-142	93.3		56-125	86.7	
BA40209	ERH1653	60-142	115		56-125	94.7	
BA40211	ERH1655	60-142	104		56-125	87.9	
BA40213	ERH1657	60-142	108		56-125	87.2	
BA40215	ERH1659	60-142	105		56-125	85.4	
BA40216	ERH1660	60-142	112		56-125	87.6	

Comments: Batch: #DOC53-210915A

EPA 8015B-eHL

Form 2 & 8

Surrogate Recovery

Lab Name: APPL, Inc. SDG No: 97466

Case No: 97466 Date Analyzed: 10/11/2021

Matrix: WATER Instrument: Apollo

APPL ID.	Client Sample No.	SURROGATE: (R) DECANOIC ACID (S)			SURROGATE: OCTACOSANE (S)		
		Limits	Result	Qualifier	Limits	Result	Qualifier
210915A1-BLK	Blank	0-1	0.0		60-142	198	#
210915A1-LCS	Lab Control Spike	0-1	0.0		60-142	204	*
210915A1-LCSD	Lab Control SpikeD	0-1	0.0		60-142	154	*
BA40209	ERH1653	0-1	0.0		60-142	160	#
BA40211	ERH1655	0-1	0.0		60-142	168	#
BA40213	ERH1657	0-1	0.0		60-142	115	
BA40215	ERH1659	0-1	0.0		60-142	175	#
BA40216	ERH1660	0-1	0.0		60-142	192	#

Comments: Batch: #DOC53-210915A1

* = Recovery outside of Control Limits on QC Sample.

= Recovery outside of Control Limits on Sample.

EPA 8015B-eHL

Form 2 & 8

Surrogate Recovery

Lab Name: APPL, Inc. SDG No: 97466

Case No: 97466 Date Analyzed: 10/11/2021

Matrix: WATER Instrument: Apollo

APPL ID.	Client Sample No.	SURROGATE: ORTHO-TERPHENYL (S)					
		Limits	Result	Qualifier	Limits	Result	Qualifier
210915A1-BLK	Blank	56-125	153	#			
210915A1-LCS	Lab Control Spike	56-125	176	*			
210915A1-LCSD	Lab Control SpikeD	56-125	136	*			
BA40209	ERH1653	56-125	128	#			
BA40211	ERH1655	56-125	136	#			
BA40213	ERH1657	56-125	91.5				
BA40215	ERH1659	56-125	138	#			
BA40216	ERH1660	56-125	147	#			

Comments: Batch: #DOC53-210915A1

* = Recovery outside of Control Limits on QC Sample.

= Recovery outside of Control Limits on Sample.

EPA 8015B-eHL

Form 2 & 8

Surrogate Recovery

Lab Name: APPL, Inc. SDG No: 97466

Case No: 97466 Date Analyzed: 10/11/2021

Matrix: WATER Instrument: Apollo

APPL ID.	Client Sample No.	SURROGATE: OCTACOSANE (S)			SURROGATE: ORTHO-TERPHENYL (S)		
		Limits	Result	Qualifier	Limits	Result	Qualifier
210910B-BLK	Blank	60-142	91.9		56-125	77.0	
210910B-LCS	Lab Control Spike	60-142	96.0		56-125	79.3	
210910B-LCSD	Lab Control SpikeD	60-142	107		56-125	89.3	
BA40217	ERH1653 BLANK	60-142	101		56-125	84.2	
BA40218	ERH1655 BLANK	60-142	94.4		56-125	77.9	
BA40219	ERH1657 BLANK	60-142	103		56-125	86.0	
BA40220	ERH1659 BLANK	60-142	103		56-125	85.7	
BA40221	ERH1660 BLANK	60-142	96.4		56-125	80.6	

Comments: Batch: #RHBLK-210910B

EPA 8015B-eH

Form 4

Blank Summary

Lab Name: APPL, Inc. SDG No: 97466

Case No: 97466 Date Analyzed: 9/20/2021

Matrix: WATER Instrument: Apollo

Blank ID: 210915A-BLK Time Analyzed: 1707

APPL ID.	Client Sample No.	File ID.	Date Analyzed
210915A-BLK	Blank	916167	9/20/2021 1707
210915A-LCS	Lab Control Spike	916168	9/20/2021 1735
210915A-LCSD	Lab Control SpikeD	916169	9/20/2021 1803
BA40209	ERH1653	916170	9/20/2021 1832
BA40211	ERH1655	916171	9/20/2021 1900
BA40213	ERH1657	916172	9/20/2021 1928
BA40215	ERH1659	916173	9/20/2021 1956
BA40216	ERH1660	916174	9/20/2021 2025

Comments: Batch: #DOC53-210915A

EPA 8015B-eH

Form 4

Blank Summary

Lab Name: APPL, Inc. SDG No: 97466

Case No: 97466 Date Analyzed: 10/11/2021

Matrix: WATER Instrument: Apollo

Blank ID: 210915A1-BLK Time Analyzed: 2122

APPL ID.	Client Sample No.	File ID.	Date Analyzed
210915A1-BLK	Blank	1011018	10/11/2021 2122
210915A1-LCS	Lab Control Spike	1011019	10/11/2021 2151
210915A1-LCSD	Lab Control SpikeD	1011020	10/11/2021 2219
BA40209	ERH1653	1011021	10/11/2021 2247
BA40211	ERH1655	1011024	10/12/2021 0011
BA40213	ERH1657	1011025	10/12/2021 0039
BA40215	ERH1659	1011026	10/12/2021 0107
BA40216	ERH1660	1011027	10/12/2021 0135

Comments: Batch: #DOC53-210915A1

EPA 8015B-eH

Form 4

Blank Summary

Lab Name: APPL, Inc. SDG No: 97466

Case No: 97466 Date Analyzed: 10/11/2021

Matrix: WATER Instrument: Apollo

Blank ID: 210910B-BLK Time Analyzed: 0048

APPL ID.	Client Sample No.	File ID.	Date Analyzed
210910B-BLK	Blank	1004169	10/11/2021 0048
210910B-LCS	Lab Control Spike	1007170	10/11/2021 0116
210910B-LCSD	Lab Control SpikeD	1007171	10/11/2021 0144
BA40217	ERH1653 BLANK	1007172	10/11/2022 0212
BA40218	ERH1655 BLANK	1007173	10/11/2021 0240
BA40219	ERH1657 BLANK	1007175	10/11/2021 0336
BA40220	ERH1659 BLANK	1007176	10/11/2021 0404
BA40221	ERH1660 BLANK	1007177	10/11/2021 0432

Comments: Batch: #RHBLK-210910B

Method Blank
EPA 8015B TPH LIQ-LIQ

APPL Inc.
908 North Temperance Avenu
Clovis, CA 93611

Blank Name/QCG: **210915W-40209 - 268223**
Batch ID: #DOC53-210915A

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	9/15/2021	9/20/2021
BLANK	OIL (C24-C40)	300.0 U	320	300.0	150.0	ug/L	9/15/2021	9/20/2021
BLANK	SURROGATE: OCTACOSANE (S)	109	60-142			%	9/15/2021	9/20/2021
BLANK	SURROGATE: ORTHO-TERPHEN	89.3	56-125			%	9/15/2021	9/20/2021

Quant Method: DOC0830.M
Run #: 916167
Instrument: Apollo
Sequence: 210916
Initials: LA

GC SC-Blank-REG MDLs-DOD
Printed: 10/15/2021 2:52:04 PM

Method Blank
EPA 8015B TPH LIQ-LIQ

Blank Name/QCG: **210910W-40217 - 268327**
Batch ID: #RHBLK-210910B

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	9/14/2021	10/11/2021
BLANK	OIL (C24-C40)	150 J	320	300.0	150.0	ug/L	9/14/2021	10/11/2021
BLANK	SURROGATE: OCTACOSANE (S)	91.9	60-142			%	9/14/2021	10/11/2021
BLANK	SURROGATE: ORTHO-TERPHEN	77.0	56-125			%	9/14/2021	10/11/2021

J = Estimated value.

Quant Method: DOC0830.M
Run #: 1004169
Instrument: Apollo
Sequence: 211007
Initials: KA

GC SC-Blank-REG MDLs-DOD
Printed: 10/15/2021 2:52:04 PM

Method Blank
EPA 8015B TPH WATER L-L SGC

APPL Inc.
908 North Temperance Avenu
Clovis, CA 93611

Blank Name/QCG: **210915W-40209 - 268959**
Batch ID: #DOC53-210915A1

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	9/15/2021	10/11/2021
BLANK	OIL (C24-C40)	320	320	300.0	150.0	ug/L	9/15/2021	10/11/2021
BLANK	SURROGATE: (R) DECANOIC AC	0.0	0-1			%	9/15/2021	10/11/2021
BLANK	SURROGATE: OCTACOSANE (S)	198 #	60-142			%	9/15/2021	10/11/2021
BLANK	SURROGATE: ORTHO-TERPHEN	153 #	56-125			%	9/15/2021	10/11/2021

= Recovery (or RPD) is outside QC limits.

Quant Method: DEC0911.M
Run #: 1011018
Instrument: Apollo
Sequence: 211011
Initials: KAB

GC SC-Blank-REG MDLs-DOD
Printed: 10/15/2021 2:52:04 PM

Laboratory Control Spike Recoveries
EPA 8015B TPH LIQ-LIQ

APPL ID: **210915W-40209 LCS - 268223**
Batch ID: #DOC53-210915A

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	2150	1820	108	91.0	36-132	16.6	30
OIL (C24-C40)	2000	2180	1830	109	91.5	41-113	17.5	30
SURROGATE: OCTACOSANE (S)	150	169	140	113	93.3	60-142		
SURROGATE: ORTHO-TERPHENYL (S)	150	155	130	103	86.7	56-125		

Comments:

Primary	SPK	DUP
Quant Method :	DOC0830.M	DOC0830.M
Extraction Date :	9/15/2021	9/15/2021
Analysis Date :	9/20/2021	9/20/2021
Instrument :	Apollo	Apollo
Run :	916168	916169
Initials :	LA	

Printed: 10/15/2021 2:51:42 PM
APPL Standard LCSD

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

APPL ID: **210915W-40209 LCS - 268959**
Batch ID: #DOC53-210915A1

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	3540	2680	177 #	134 #	36-132	27.7	30
OIL (C24-C40)	2000	3800	3010	190 #	151 #	41-113	23.2	30
SURROGATE: (R) DECANOIC ACID (S)	10.00	0	0	0.0	0.0	0-1		
SURROGATE: OCTACOSANE (S)	150	306	231	204 #	154 #	60-142		
SURROGATE: ORTHO-TERPHENYL (S)	150	264	204	176 #	136 #	56-125		

= Recovery is outside QC limits.

Comments:

Primary	SPK	DUP
Quant Method :	DEC0911.M	DEC0911.M
Extraction Date :	9/15/2021	9/15/2021
Analysis Date :	10/11/2021	10/11/2021
Instrument :	Apollo	Apollo
Run :	1011019	1011020
Initials :	KAB	

Laboratory Control Spike Recoveries
EPA 8015B TPH LIQ-LIQ

APPL ID: **210914W-40217 LCS - 268327**
Batch ID: #RHBLK-210910B

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	71.4	92.0	NA	NA	36-132		30
OIL (C24-C40)	0	143	177	NA	NA	41-113		30
SURROGATE: OCTACOSANE (S)	150	144	161	96.0	107	60-142		
SURROGATE: ORTHO-TERPHENYL (S)	150	119	134	79.3	89.3	56-125		

Comments:

Primary	SPK	DUP
Quant Method :	DOC0830.M	DOC0830.M
Extraction Date :	9/14/2021	9/14/2021
Analysis Date :	10/11/2021	10/11/2021
Instrument :	Apollo	Apollo
Run :	1007170	1007171
Initials :	KA	

EPA 8015B-eH

Form 4

LCS Summary

Lab Name:	APPL, Inc.	SDG No:	97466
Case No:	97466	Date Analyzed:	9/20/2021
Matrix:	WATER	Instrument:	Apollo
LCS ID:	210915A-LCS	Time Analyzed:	1735

APPL ID.	Client Sample No.	File ID.	Date Analyzed
210915A-BLK	Blank	916167	9/20/2021 1707
210915A-LCS	Lab Control Spike	916168	9/20/2021 1735
210915A-LCSD	Lab Control SpikeD	916169	9/20/2021 1803
BA40209	ERH1653	916170	9/20/2021 1832
BA40211	ERH1655	916171	9/20/2021 1900
BA40213	ERH1657	916172	9/20/2021 1928
BA40215	ERH1659	916173	9/20/2021 1956
BA40216	ERH1660	916174	9/20/2021 2025

Comments: Batch: #DOC53-210915A

EPA 8015B-eH

Form 4

LCS Summary

Lab Name:	APPL, Inc.	SDG No:	97466
Case No:	97466	Date Analyzed:	10/11/2021
Matrix:	WATER	Instrument:	Apollo
LCS ID:	210915A1-LCS	Time Analyzed:	2151

APPL ID.	Client Sample No.	File ID.	Date Analyzed
210915A1-BLK	Blank	1011018	10/11/2021 2122
210915A1-LCS	Lab Control Spike	1011019	10/11/2021 2151
210915A1-LCSD	Lab Control SpikeD	1011020	10/11/2021 2219
BA40209	ERH1653	1011021	10/11/2021 2247
BA40211	ERH1655	1011024	10/12/2021 0011
BA40213	ERH1657	1011025	10/12/2021 0039
BA40215	ERH1659	1011026	10/12/2021 0107
BA40216	ERH1660	1011027	10/12/2021 0135

Comments: Batch: #DOC53-210915A1

EPA 8015B-eH

Form 4

LCS Summary

Lab Name:	APPL, Inc.	SDG No:	97466
Case No:	97466	Date Analyzed:	10/11/2021
Matrix:	WATER	Instrument:	Apollo
LCS ID:	210910B-LCS	Time Analyzed:	0116

APPL ID.	Client Sample No.	File ID.	Date Analyzed
210910B-BLK	Blank	1004169	10/11/2021 0048
210910B-LCS	Lab Control Spike	1007170	10/11/2021 0116
210910B-LCSD	Lab Control SpikeD	1007171	10/11/2021 0144
BA40217	ERH1653 BLANK	1007172	10/11/2022 0212
BA40218	ERH1655 BLANK	1007173	10/11/2021 0240
BA40219	ERH1657 BLANK	1007175	10/11/2021 0336
BA40220	ERH1659 BLANK	1007176	10/11/2021 0404
BA40221	ERH1660 BLANK	1007177	10/11/2021 0432

Comments: Batch: #RHBLK-210910B

8270D-SIM

Form 2 & 8

Surrogate Recovery

Lab Name: APPL, Inc. SDG No: 97466

Case No: 97466 Date Analyzed: 9/18/2021

Matrix: WATER Instrument: Linus

APPL ID.	Client Sample No.	SURROGATE: 2-METHYLNAPHTHALENE-D10 (S)			SURROGATE: FLUORANTHENE-D10 (S)		
		Limits	Result	Qualifier	Limits	Result	Qualifier
210914A-BLK	Blank	39-114	82.8		58-120	87.6	
210914A-LCS	Lab Control Spike	39-114	89.4		58-120	93.4	
210914A-LCSD	Lab Control SpikeD	39-114	85.6		58-120	89.2	
BA40209	ERH1653	39-114	77.2		58-120	77.6	
BA40211	ERH1655	39-114	86.7		58-120	51.7	#
BA40213	ERH1657	39-114	80.0		58-120	43.7	#
BA40215	ERH1659	39-114	79.1		58-120	80.5	
BA40216	ERH1660	39-114	75.1		58-120	74.6	

Comments: Batch: #SIM53-210914A

= Recovery outside of Control Limits on Sample.

8270D-SIM

Form 4

Blank Summary

Lab Name:	APPL, Inc.	SDG No:	97466
Case No:	97466	Date Analyzed:	9/18/2021
Matrix:	WATER	Instrument:	Linus
Blank ID:	210914A-BLK	Time Analyzed:	1319

APPL ID.	Client Sample No.	File ID.	Date Analyzed
210914A-BLK	Blank	0914L097	9/18/2021 1319
210914A-LCS	Lab Control Spike	0914L098	9/18/2021 1341
210914A-LCSD	Lab Control SpikeD	0914L099	9/18/2021 1404
BA40209	ERH1653	0914L100	9/18/2021 1426
BA40211	ERH1655	0914L101	9/18/2021 1448
BA40213	ERH1657	0914L102	9/18/2021 1510
BA40215	ERH1659	0914L103	9/18/2021 1532
BA40216	ERH1660	0914L104	9/18/2021 1555

Comments: Batch: #SIM53-210914A

Method Blank
EPA 8270D SIM LIQ-LIQ

Blank Name/QCG: **210914W-40209 - 268032**
Batch ID: #SIM53-210914A

APPL Inc.
908 North Temperance Avenu
Clovis, CA 93611

Sample Type	Analyte	Result	LOQ	LOD	DL	Units	Extraction Date	Analysis Date
BLANK	1-METHYLNAPHTHALENE	0.10 U	0.2	0.10	0.04	ug/L	9/14/2021	9/18/2021
BLANK	2-METHYLNAPHTHALENE	0.10 U	0.2	0.10	0.04	ug/L	9/14/2021	9/18/2021
BLANK	NAPHTHALENE	0.10 U	0.2	0.10	0.04	ug/L	9/14/2021	9/18/2021
BLANK	SURROGATE: 2-METHYLNAPHT	82.8	39-114			%	9/14/2021	9/18/2021
BLANK	SURROGATE: FLUORANTHENE-	87.6	58-120			%	9/14/2021	9/18/2021

Quant Method:L0914.M
Run #:0914L097
Instrument:Linus
Sequence:L210914
Initials:LSI

GC SC-Blank-REG MDLs-DOD
Printed: 9/20/2021 9:22:28 AM

8270D-SIM

Form 4

LCS Summary

Lab Name:	APPL, Inc.	SDG No:	97466
Case No:	97466	Date Analyzed:	9/18/2021
Matrix:	WATER	Instrument:	Linus
LCS ID:	210914A-LCS	Time Analyzed:	1341

APPL ID.	Client Sample No.	File ID.	Date Analyzed
210914A-BLK	Blank	0914L097	9/18/2021 1319
210914A-LCS	Lab Control Spike	0914L098	9/18/2021 1341
210914A-LCSD	Lab Control SpikeD	0914L099	9/18/2021 1404
BA40209	ERH1653	0914L100	9/18/2021 1426
BA40211	ERH1655	0914L101	9/18/2021 1448
BA40213	ERH1657	0914L102	9/18/2021 1510
BA40215	ERH1659	0914L103	9/18/2021 1532
BA40216	ERH1660	0914L104	9/18/2021 1555

Comments: Batch: #SIM53-210914A

Laboratory Control Spike Recoveries
EPA 8270D SIM LIQ-LIQ

APPL ID: **210914W-40209 LCS - 268032**
Batch ID: #SIM53-210914A

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	4.07	4.11	81.4	82.2	41-115	0.98	20
2-METHYLNAPHTHALENE	5.00	4.27	4.30	85.4	86.0	39-114	0.70	20
NAPHTHALENE	5.00	4.18	4.12	83.6	82.4	43-114	1.4	20
SURROGATE: 2-METHYLNAPHTHALEN	5.00	4.47	4.28	89.4	85.6	39-114		
SURROGATE: FLUORANTHENE-D10 (S)	5.00	4.67	4.46	93.4	89.2	58-120		

Comments:

Primary	SPK	DUP
Quant Method :	L0914.M	L0914.M
Extraction Date :	9/14/2021	9/14/2021
Analysis Date :	9/18/2021	9/18/2021
Instrument :	Linus	Linus
Run :	0914L098	0914L099
Initials :	LSI	

Form 5
Tune Summary

Lab Name: APPL Inc.
Case No:
Matrix: Water
ID: 0914L001.D

SDG No:
Date Analyzed: 9/14/2021
Instrument: Linus
Time Analyzed: 11:50

	Client Sample No.	APPL ID.	File ID.	Date Analyzed
1		0.1 SIM 09/09/21	0914L002.D	9/14/2021 12:06
2		0.2 SIM 09/09/21	0914L003.D	9/14/2021 12:28
3		0.5 SIM 09/09/21	0914L004.D	9/14/2021 12:50
4		1 SIM 09/09/21	0914L005.D	9/14/2021 13:13
5		5 SIM 09/09/21	0914L006.D	9/14/2021 13:35
6		10 SIM 09/09/21	0914L007.D	9/14/2021 13:57
7		50 SIM 09/09/21	0914L008.D	9/14/2021 14:19
8		100 SIM 09/09/21	0914L009.D	9/14/2021 14:41
9		SS SIM 09/09/21	0914L010.D	9/14/2021 15:03
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				

m/e		
51	9.95 - 80.1% of mass 198	55.0
68	0 - 2.05% of mass 69	0.0
70	0 - 2% of mass 69	0.7
127	10 - 80% of mass 198	60.3
197	0 - 2% of mass 198	0.0
198	100 - 100% of mass 198	100.0
199	5 - 9% of mass 198	6.4
275	10 - 60% of mass 198	20.1
365	1 - 100% of mass 198	2.9
441	0.01 - 24% of mass 442	18.0
442	50 - 500% of mass 198	63.5
443	15 - 24% of mass 442	19.6

Form 5
Tune Summary

Lab Name: APPL Inc. SDG No: 97466
Case No: 97466 Date Analyzed: 9/18/2021
Matrix: Water Instrument: Linus
ID: 0914L095.D Time Analyzed: 12:41

	Client Sample No.	APPL ID.	File ID.	Date Analyzed
1		5 SIM 09/09/21 (4)	0914L096.D	9/18/2021 12:57
2	Blank	210914A BLK 1/1000	0914L097.D	9/18/2021 13:19
3	Lab Control Spike	210914A LCS-1 1/1000	0914L098.D	9/18/2021 13:41
4	Lab Control SpikeD	210914A LCSD-1 1/100	0914L099.D	9/18/2021 14:04
5	ERH1653	BA40209W06 1/950	0914L100.D	9/18/2021 14:26
6	ERH1655	BA40211W06 1/870	0914L101.D	9/18/2021 14:48
7	ERH1657	BA40213W06 1/880	0914L102.D	9/18/2021 15:10
8	ERH1659	BA40215W06 1/850	0914L103.D	9/18/2021 15:32
9	ERH1660	BA40216W06 1/870	0914L104.D	9/18/2021 15:55
10		5 SIM 09/09/21 (2)	0914L105.D	9/18/2021 16:17
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				

m/e		
51	9.95 - 80.1% of mass 198	55.5
68	0 - 2.05% of mass 69	0.0
70	0 - 2% of mass 69	0.5
127	10 - 80% of mass 198	59.2
197	0 - 2% of mass 198	0.0
198	100 - 100% of mass 198	100.0
199	5 - 9% of mass 198	6.3
275	10 - 60% of mass 198	23.3
365	1 - 100% of mass 198	3.4
441	0.01 - 24% of mass 442	16.8
442	50 - 500% of mass 198	75.8
443	15 - 24% of mass 442	17.9

8A
INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: APPL Inc. Contract:

Lab Code: SDG No.:

Lab File ID (Standard): 0914L096.D Date Analyzed: 09/18/21

Instrument ID: Linus Time Analyzed: 12:57

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	31882	3.95	15707	5.95	26845	7.66
	UPPER LIMIT	63764	4.12	31414	6.12	53690	7.83
	LOWER LIMIT	15941	3.78	7854	5.78	13423	7.49
	SAMPLE NO.						
01	210914A BLK 1/1000	34651	3.95	17251	5.95	30750	7.66
02	210914A LCS-1 1/1000	35052	3.95	17411	5.95	30390	7.67
03	210914A LCSD-1 1/100	33458	3.95	17233	5.95	29897	7.66
04	BA40209W06 1/950	33870	3.95	16923	5.95	30409	7.67
05	BA40211W06 1/870	33773	3.95	17658	5.95	30734	7.67
06	BA40213W06 1/880	34898	3.95	17469	5.95	30890	7.66
07	BA40215W06 1/850	35879	3.95	17802	5.95	31460	7.67
08	BA40216W06 1/870	35422	3.95	17856	5.95	30818	7.67
09	5 SIM 09/09/21 (2)	34232	3.95	17122	5.95	29961	7.67
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): 0914L096.D Date Analyzed: 09/18/21

Instrument ID: Linus Time Analyzed: 12:57

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

		Chrysene-D12(IS)		Perylene-D12(IS)			
		AREA #	RT #	AREA #	RT #	AREA #	RT #
	12 HOUR STD	45336	10.75	45522	13.07		
	UPPER LIMIT	90672	10.92	91044	13.24		
	LOWER LIMIT	22668	10.58	22761	12.90		
	SAMPLE NO.						
01	210914A BLK 1/1000	53034	10.75	51671	13.07		
02	210914A LCS-1 1/1000	52151	10.75	51708	13.07		
03	210914A LCSD-1 1/100	50641	10.75	49173	13.07		
04	BA40209W06 1/950	51913	10.75	50420	13.07		
05	BA40211W06 1/870	52681	10.75	52543	13.07		
06	BA40213W06 1/880	52609	10.75	52969	13.07		
07	BA40215W06 1/850	53729	10.75	52071	13.07		
08	BA40216W06 1/870	53984	10.75	53327	13.07		
09	5 SIM 09/09/21 (2)	50784	10.75	50224	13.07		
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: 97466

Case No: 97466 Date Analyzed: 9/20/2021

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
210920BL-LCS	Lab Control Spike	81-118	122	*	85-114	112	
210920BL-LCSD	Lab Control SpikeD	81-118	121	*	85-114	96.4	
210920BL-BLK	Blank	81-118	128	#	85-114	82.9	#
BA40208	ERH1652	81-118	130	#	85-114	87.2	
BA40209	ERH1653	81-118	133	#	85-114	85.7	
BA40210	ERH1654	81-118	133	#	85-114	85.7	
BA40211	ERH1655	81-118	129	#	85-114	103	
BA40212	ERH1656	81-118	128	#	85-114	88.3	
BA40213	ERH1657	81-118	129	#	85-114	85.0	
BA40214	ERH1658	81-118	127	#	85-114	86.3	
BA40215	ERH1659	81-118	134	#	85-114	88.2	
BA40216	ERH1660	81-118	132	#	85-114	82.9	#

Comments: Batch: #86BTO-210920BL

* = Recovery outside of Control Limits on QC Sample.

= Recovery outside of Control Limits on Sample.

EPA 8260B

Form 2 & 8

Surrogate Recovery

Lab Name: APPL, Inc. SDG No: 97466

Case No: 97466 Date Analyzed: 9/20/2021

Matrix: WATER Instrument: Loki

APPL ID.	Client Sample No.	SURROGATE: DIBROMOFLUOROMETHANE (S)			SURROGATE: TOLUENE-D8 (S)		
		Limits	Result	Qualifier	Limits	Result	Qualifier
210920BL-LCS	Lab Control Spike	80-119	104		89-112	106	
210920BL-LCSD	Lab Control SpikeD	80-119	103		89-112	107	
210920BL-BLK	Blank	80-119	107		89-112	98.0	
BA40208	ERH1652	80-119	108		89-112	98.2	
BA40209	ERH1653	80-119	110		89-112	99.8	
BA40210	ERH1654	80-119	112		89-112	96.9	
BA40211	ERH1655	80-119	107		89-112	96.8	
BA40212	ERH1656	80-119	108		89-112	97.9	
BA40213	ERH1657	80-119	108		89-112	97.7	
BA40214	ERH1658	80-119	108		89-112	97.0	
BA40215	ERH1659	80-119	112		89-112	98.8	
BA40216	ERH1660	80-119	108		89-112	96.5	

Comments: Batch: #86BTO-210920BL

EPA 8260B

Form 4

Blank Summary

Lab Name: APPL, Inc. SDG No: 97466

Case No: 97466 Date Analyzed: 9/20/2021

Matrix: WATER Instrument: Loki

Blank ID: 210920BL-BLK Time Analyzed: 2349

APPL ID.	Client Sample No.	File ID.	Date Analyzed
210920BL-LCS	Lab Control Spike	0920L30	9/20/2021 2132
210920BL-LCSD	Lab Control SpikeD	0920L31	9/20/2021 2159
210920BL-BLK	Blank	0920L35	9/20/2021 2349
BA40208	ERH1652	0920L36	9/21/2021 0017
BA40209	ERH1653	0920L37	9/21/2021 0044
BA40210	ERH1654	0920L38	9/21/2021 0112
BA40211	ERH1655	0920L39	9/21/2021 0139
BA40212	ERH1656	0920L40	9/21/2021 0206
BA40213	ERH1657	0920L41	9/21/2021 0234
BA40214	ERH1658	0920L42	9/21/2021 0301
BA40215	ERH1659	0920L43	9/21/2021 0329
BA40216	ERH1660	0920L44	9/21/2021 0356

Comments: Batch: #86BTO-210920BL

Method Blank
EPA 8260B BTEX WATER

Blank Name/QCG: **210920W-40208 - 269685**
Batch ID: #86BTO-210920BL

APPL Inc.
908 North Temperance Avenu
Clovis, CA 93611

Sample Type	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
BLANK	BENZENE	Not detected	1.0	0.15	ug/L	09/20/21	09/20/21
BLANK	ETHYLBENZENE	Not detected	1.0	0.23	ug/L	09/20/21	09/20/21
BLANK	TOLUENE	Not detected	1.0	0.15	ug/L	09/20/21	09/20/21
BLANK	XYLENES (TOTAL)	Not detected	2.0	0.15	ug/L	09/20/21	09/20/21
BLANK	SURROGATE: 1,2-DICHLOROETHAN	128 #	81-118		%	09/20/21	09/20/21
BLANK	SURROGATE: 4-BROMOFLUOROBEN	82.9 #	85-114		%	09/20/21	09/20/21
BLANK	SURROGATE: DIBROMOFLUOROME	107	80-119		%	09/20/21	09/20/21
BLANK	SURROGATE: TOLUENE-D8 (S)	98.0	89-112		%	09/20/21	09/20/21

= Recovery (or RPD) is outside QC limits.

Quant Method: L0915W.M
Run #: 0920L35
Instrument: Loki
Sequence: 210915
Initials: DA

GC SC-Blank-REG MDLs
Printed: 10/30/2021 11:12:02 AM

EPA 8260B

Form 4

LCS Summary

Lab Name:	APPL, Inc.	SDG No:	97466
Case No:	97466	Date Analyzed:	9/20/2021
Matrix:	WATER	Instrument:	Loki
LCS ID:	210920BL-LCS	Time Analyzed:	2132

APPL ID.	Client Sample No.	File ID.	Date Analyzed
210920BL-LCS	Lab Control Spike	0920L30	9/20/2021 2132
210920BL-LCSD	Lab Control SpikeD	0920L31	9/20/2021 2159
210920BL-BLK	Blank	0920L35	9/20/2021 2349
BA40208	ERH1652	0920L36	9/21/2021 0017
BA40209	ERH1653	0920L37	9/21/2021 0044
BA40210	ERH1654	0920L38	9/21/2021 0112
BA40211	ERH1655	0920L39	9/21/2021 0139
BA40212	ERH1656	0920L40	9/21/2021 0206
BA40213	ERH1657	0920L41	9/21/2021 0234
BA40214	ERH1658	0920L42	9/21/2021 0301
BA40215	ERH1659	0920L43	9/21/2021 0329
BA40216	ERH1660	0920L44	9/21/2021 0356

Comments: Batch: #86BTO-210920BL

Laboratory Control Spike Recoveries
EPA 8260B BTEX WATER

APPL ID: **210920W-40208 LCS - 269685**
Batch ID: #86BTO-210920BL

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	9.86	9.71	98.6	97.1	79-120	1.5	20
ETHYLBENZENE	10.00	9.47	9.70	94.7	97.0	79-121	2.4	20
TOLUENE	10.00	9.96	9.82	99.6	98.2	80-121	1.4	20
XYLENES (TOTAL)	30.0	27.1	27.9	90.3	93.0	79-121	2.9	20
SURROGATE: 1,2-DICHLOROETHANE-D	25.0	30.5	30.3	122 #	121 #	81-118		
SURROGATE: 4-BROMOFLUOROBENZE	25.0	28.0	24.1	112	96.4	85-114		
SURROGATE: DIBROMOFLUOROMETH	25.0	25.9	25.7	104	103	80-119		
SURROGATE: TOLUENE-D8 (S)	25.0	26.5	26.8	106	107	89-112		

= Recovery is outside QC limits.

Comments:

Primary	SPK	DUP
Quant Method :	L0915W.M	L0915W.M
Extraction Date :	9/20/2021	9/20/2021
Analysis Date :	9/20/2021	9/20/2021
Instrument :	Loki	Loki
Run :	0920L30	0920L31
Initials :	DA	

Form 5
Tune Summary

Lab Name: APPL Inc.
Case No:
Matrix: Water
ID: 0915L10.D

SDG No:
Date Analyzed: 9/15/2021
Instrument: Loki
Time Analyzed: 15:43

	Client Sample No.	APPL ID.	File ID.	Date Analyzed
1		0.3ug/L VOC STD 9/15	0915L14.D	9/15/2021 17:21
2		0.5ug/L VOC STD 9/15	0915L15.D	9/15/2021 17:49
3		1ug/L VOC STD 9/15/2	0915L16.D	9/15/2021 18:16
4		2ug/L VOC STD 9/15/2	0915L17.D	9/15/2021 18:44
5		5ug/L VOC STD 9/15/2	0915L18.D	9/15/2021 19:11
6		10ug/L VOC STD 9/15/	0915L19.D	9/15/2021 19:39
7		20ug/L VOC STD 9/15/	0915L20.D	9/15/2021 20:06
8		40ug/L VOC STD 9/15/	0915L21.D	9/15/2021 20:34
9		100ug/L VOC STD 9/15	0915L22.D	9/15/2021 21:01
10		(SS) 10ug/L VOC STD	0915L24.D	9/15/2021 21:56
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				

m/e		
50	15 - 40% of mass 95	16.7
75	30 - 60% of mass 95	45.9
95	100 - 100% of mass 95	100.0
96	5 - 9% of mass 95	7.1
173	0 - 2% of mass 174	0.0
174	50 - 200% of mass 95	103.5
175	5 - 9% of mass 174	7.9
176	94.9 - 100% of mass 174	98.6
177	5 - 9% of mass 176	8.2

Form 5
Tune Summary

Lab Name: APPL Inc.
Case No: 97466
Matrix: Water
ID: 0920L28.D

SDG No: 97466
Date Analyzed: 9/20/2021
Instrument: Loki
Time Analyzed: 20:37

	Client Sample No.	APPL ID.	File ID.	Date Analyzed
1	ERH1652	BA40208W02	0920L36.D	9/21/2021 0:17
2	ERH1653	BA40209W02	0920L37.D	9/21/2021 0:44
3	ERH1654	BA40210W01	0920L38.D	9/21/2021 1:12
4	ERH1655	BA40211W02	0920L39.D	9/21/2021 1:39
5	ERH1656	BA40212W02	0920L40.D	9/21/2021 2:06
6	ERH1657	BA40213W02	0920L41.D	9/21/2021 2:34
7	ERH1658	BA40214W02	0920L42.D	9/21/2021 3:01
8	ERH1659	BA40215W02	0920L43.D	9/21/2021 3:29
9	ERH1660	BA40216W02	0920L44.D	9/21/2021 3:56
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				

m/e		
50	15 - 40% of mass 95	18.8
75	30 - 60% of mass 95	51.3
95	100 - 100% of mass 95	100.0
96	5 - 9% of mass 95	7.5
173	0 - 2% of mass 174	1.9
174	50 - 200% of mass 95	120.3
175	5 - 9% of mass 174	7.3
176	94.9 - 100% of mass 174	95.9
177	5 - 9% of mass 176	5.3

8A
INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: APPL Inc. Contract:

Lab Code: SDG No.:

Lab File ID (Standard): 0920L03.D Date Analyzed: 09/20/21

Instrument ID: Loki Time Analyzed: 9:11

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	330701	6.31	276684	9.78	173838	12.34
	UPPER LIMIT	661402	6.48	553368	9.95	347676	12.51
	LOWER LIMIT	165351	6.14	138342	9.61	86919	12.17
	SAMPLE NO.						
01	BA40208W02	240855	6.31	199336	9.78	97969	12.34
02	BA40209W02	240649	6.31	195718	9.78	109922	12.34
03	BA40210W01	239702	6.31	200385	9.78	100194	12.34
04	BA40211W02	254577	6.31	208196	9.78	127702	12.34
05	BA40212W02	241103	6.31	197255	9.78	101078	12.34
06	BA40213W02	241664	6.31	197665	9.78	100562	12.34
07	BA40214W02	237704	6.31	195938	9.78	98059	12.34
08	BA40215W02	232164	6.31	187467	9.78	96939	12.34
09	BA40216W02	237957	6.31	195582	9.78	95479	12.34
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: 97466

Case No: 97466 Date Analyzed: 9/20/2021

Matrix: WATER Instrument: Loki

APPL ID.	Client Sample No.	SURROGATE: 4-BROMOFLUOROBENZENE (S)					
		Limits	Result	Qualifier	Limits	Result	Qualifier
210920BL-LCS	Lab Control Spike	85-114	103				
210920BL-LCSD	Lab Control SpikeD	85-114	88.8				
210920BL-BLK	Blank	85-114	82.9	#			
BA40208	ERH1652	85-114	87.2				
BA40209	ERH1653	85-114	85.7				
BA40210	ERH1654	85-114	85.7				
BA40211	ERH1655	85-114	103				
BA40212	ERH1656	85-114	88.3				
BA40213	ERH1657	85-114	85.0				
BA40214	ERH1658	85-114	86.3				
BA40215	ERH1659	85-114	88.2				
BA40216	ERH1660	85-114	82.9	#			

Comments: Batch: #GRO86-210920BL

= Recovery outside of Control Limits on Sample.

EPA 8260B

Form 4

Blank Summary

Lab Name: APPL, Inc. SDG No: 97466

Case No: 97466 Date Analyzed: 9/20/2021

Matrix: WATER Instrument: Loki

Blank ID: 210920BL-BLK Time Analyzed: 2349

APPL ID.	Client Sample No.	File ID.	Date Analyzed
210920BL-LCS	Lab Control Spike	0920L33	9/20/2021 2254
210920BL-LCSD	Lab Control SpikeD	0920L34	9/20/2021 2322
210920BL-BLK	Blank	0920L35	9/20/2021 2349
BA40208	ERH1652	0920L36	9/21/2021 0017
BA40209	ERH1653	0920L37	9/21/2021 0044
BA40210	ERH1654	0920L38	9/21/2021 0112
BA40211	ERH1655	0920L39	9/21/2021 0139
BA40212	ERH1656	0920L40	9/21/2021 0206
BA40213	ERH1657	0920L41	9/21/2021 0234
BA40214	ERH1658	0920L42	9/21/2021 0301
BA40215	ERH1659	0920L43	9/21/2021 0329
BA40216	ERH1660	0920L44	9/21/2021 0356

Comments: Batch: #GRO86-210920BL

Method Blank
EPA 8260B GRO WATER

Blank Name/QCG: **210920W-40208 - 269689**
Batch ID: #GRO86-210920BL

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	9/20/2021	9/20/2021
BLANK	SURROGATE: 4-BROMOFLUOR	82.9 #	85-114			%	9/20/2021	9/20/2021

= Recovery (or RPD) is outside QC limits.

Quant Method: LSUR915.M
Run #: 0920L35
Instrument: Loki
Sequence: 210915
Initials: DA

GC SC-Blank-REG MDLs-DOD
Printed: 10/30/2021 10:59:17 AM

EPA 8260B

Form 4

LCS Summary

Lab Name:	APPL, Inc.	SDG No:	97466
Case No:	97466	Date Analyzed:	9/20/2021
Matrix:	WATER	Instrument:	Loki
LCS ID:	210920BL-LCS	Time Analyzed:	2254

APPL ID.	Client Sample No.	File ID.	Date Analyzed
210920BL-LCS	Lab Control Spike	0920L33	9/20/2021 2254
210920BL-LCSD	Lab Control SpikeD	0920L34	9/20/2021 2322
210920BL-BLK	Blank	0920L35	9/20/2021 2349
BA40208	ERH1652	0920L36	9/21/2021 0017
BA40209	ERH1653	0920L37	9/21/2021 0044
BA40210	ERH1654	0920L38	9/21/2021 0112
BA40211	ERH1655	0920L39	9/21/2021 0139
BA40212	ERH1656	0920L40	9/21/2021 0206
BA40213	ERH1657	0920L41	9/21/2021 0234
BA40214	ERH1658	0920L42	9/21/2021 0301
BA40215	ERH1659	0920L43	9/21/2021 0329
BA40216	ERH1660	0920L44	9/21/2021 0356

Comments: Batch: #GRO86-210920BL

Laboratory Control Spike Recoveries
EPA 8260B GRO WATER

APPL ID: **210920W-40208 LCS - 269689**
Batch ID: #GRO86-210920BL

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	329	275	110	91.7	78-122	17.9	20
SURROGATE: 4-BROMOFLUOROBENZE	25.0	25.7	22.2	103	88.8	85-114		

Comments:

Primary	SPK	DUP
Quant Method :	LSUR915.M	LSUR915.M
Extraction Date :	9/20/2021	9/20/2021
Analysis Date :	9/20/2021	9/20/2021
Instrument :	Loki	Loki
Run :	0920L33	0920L34
Initials :	DA	

ORGANICS
Calibration Data

TPH Extractables
DOC0831

Form 6
Initial Calibration

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

			830004.D	830005.D	830006.D	830007.D	830008.D	830009.D	830010.D								
		Compound	1	2	3	4	5	6	7				Avg	%RSD	Type	r^2	Q
1	HATM	Diesel (C10-C24)	1996096	2096504	2044980	1954573	1978127	1986289	2080607				2019597	2.7	HATM		
2	HBTML	Motor Oil (C24-C40)	4145119	2435540	1673061	1536974	1493779	1466134	1500171				2035825	49	HBTM	1.000	
3	SA	Ortho-Terphenyl(S)	2853226	2657484	2628989	2539846	2469795	2419311	2566361				2590716	5.5	SA		
4	SA	Octacosane(S)	2110335	1874119	1915976	1916647	1876549	1864260	1926753				1926377	4.4	SA		
5																	
6																	
7																	
8																	
9																	
10																	
11																	
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34																	
35																	

1.751305

Quantitation Report (Not Reviewed)

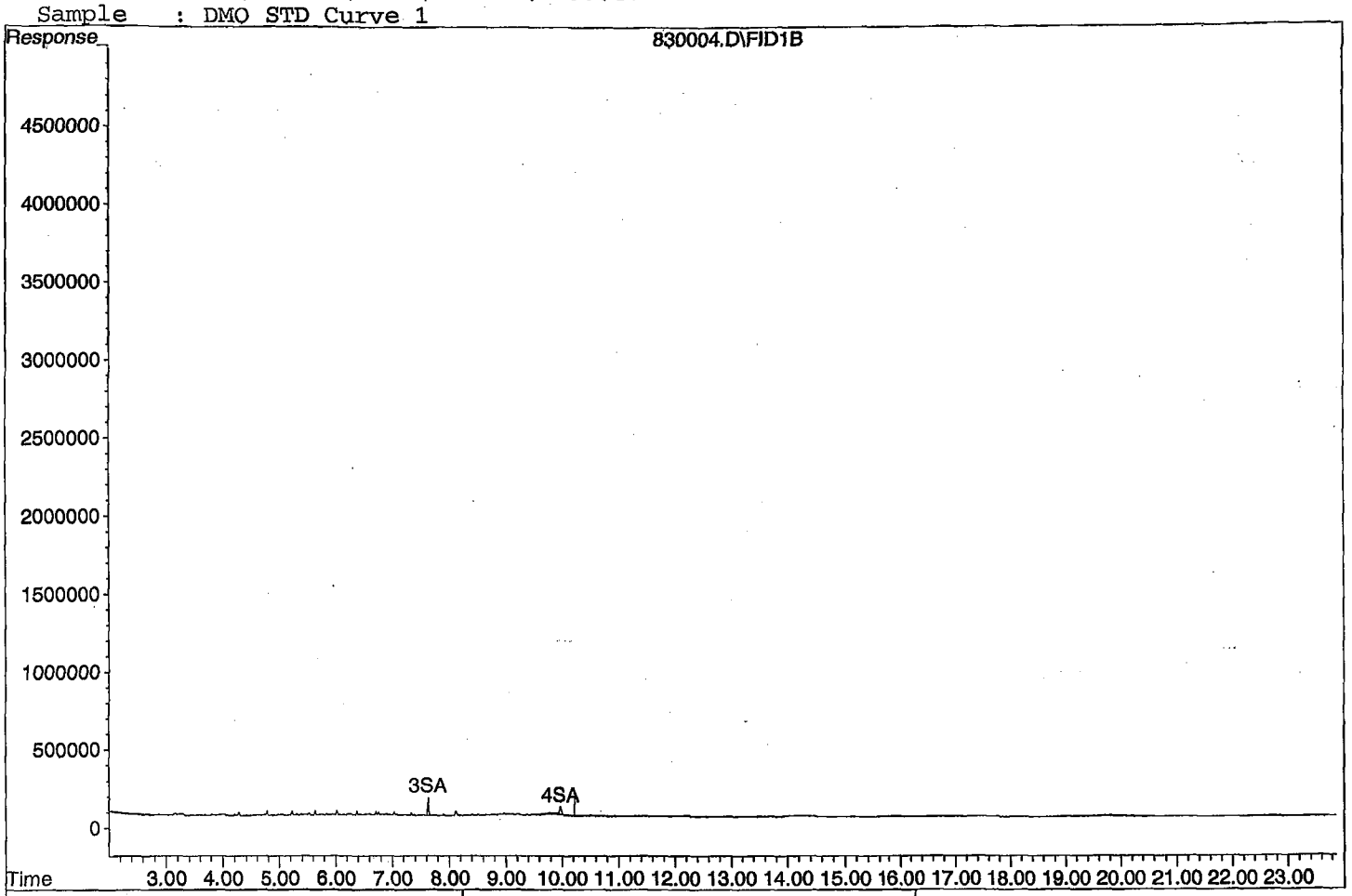
Data File : G:\APOLLO\DATA\210830\830004.D Vial: 4
Acq On : 8-30-21 14:23:31 Operator: KA
Sample : DMO STD Curve 1 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 8 12:55 2021 Quant Results File: DOC0830.RES

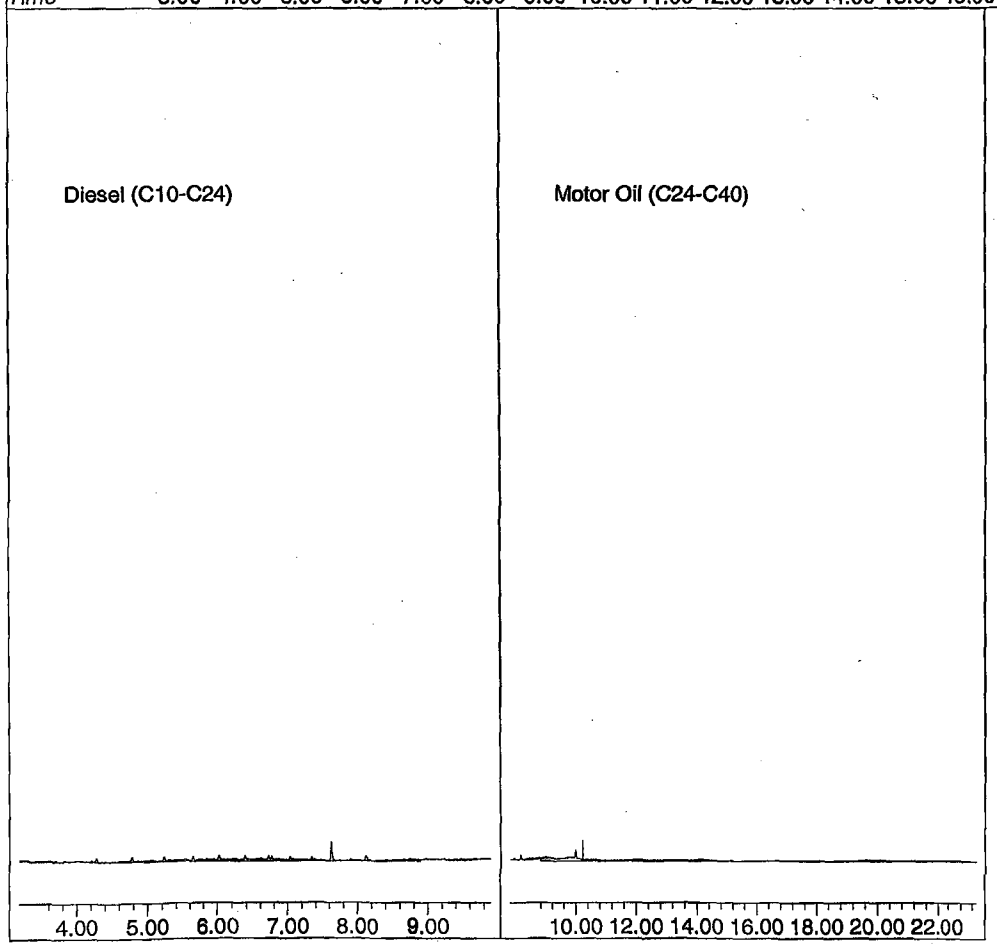
Method : G:\APOLLO\DATA\210830\DOC0830.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Tue Aug 31 09:20:02 2021
Response via : Multiple Level Calibration

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

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

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





Quantitation Report (Not Reviewed)

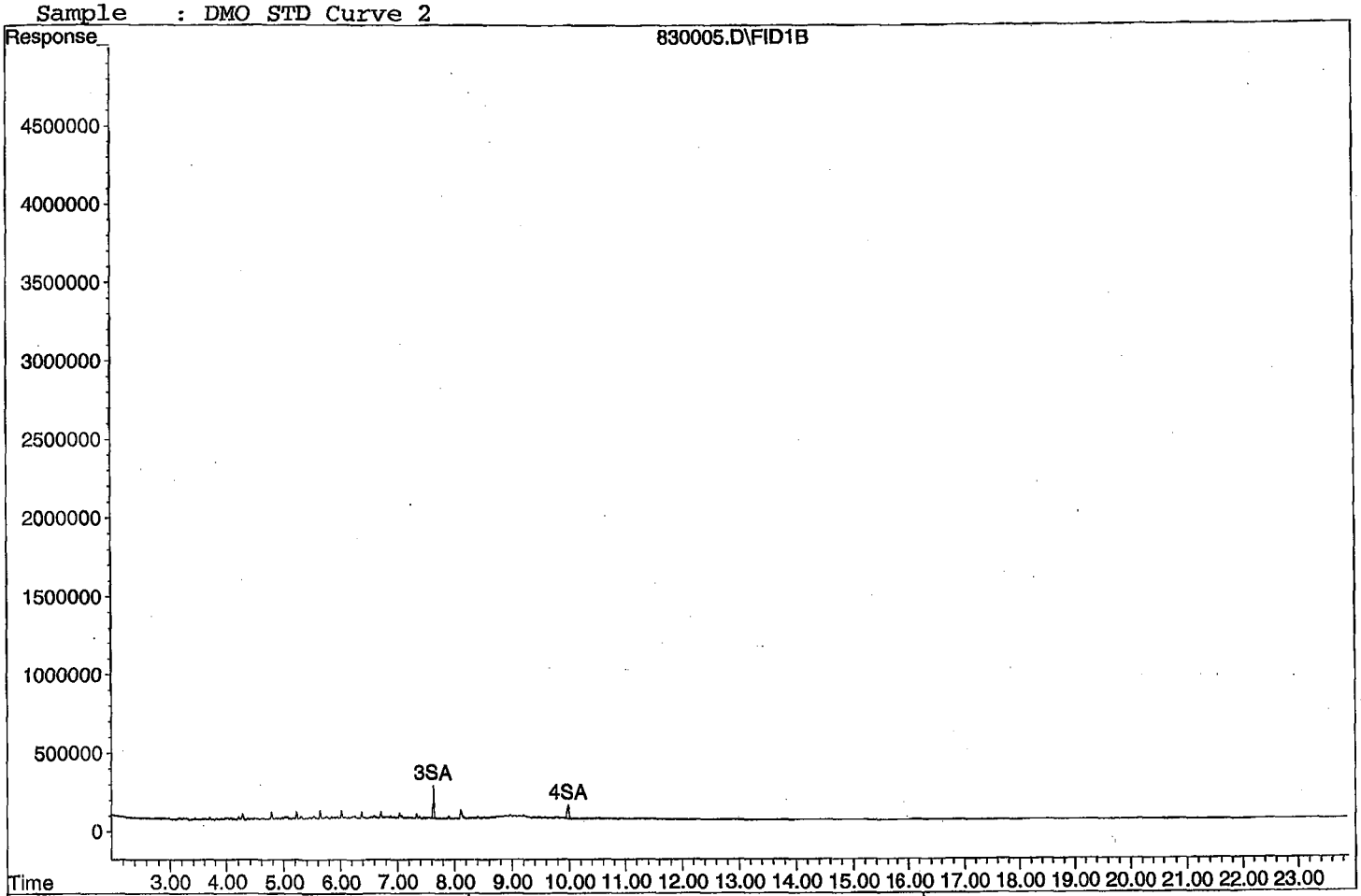
Data File : G:\APOLLO\DATA\210830\830005.D Vial: 5
Acq On : 8-30-21 14:52:00 Operator: KA
Sample : DMO STD Curve 2 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 8 12:55 2021 Quant Results File: DOC0830.RES

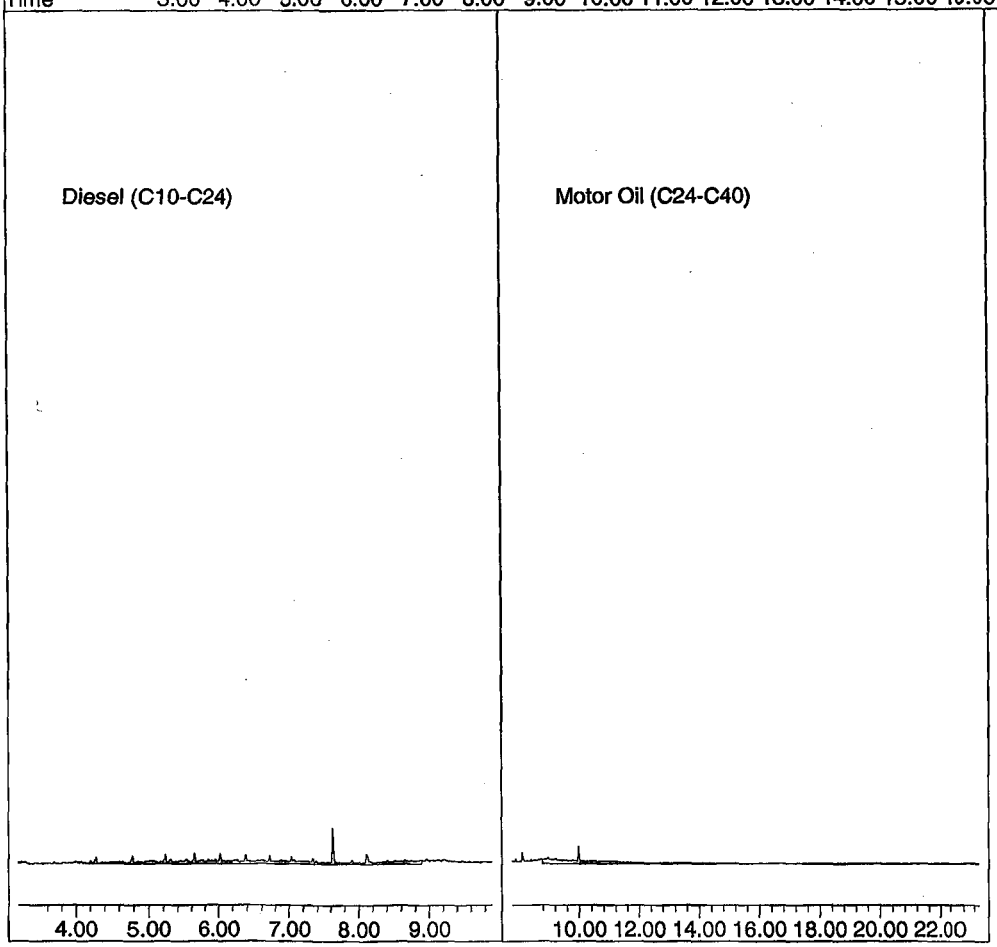
Method : G:\APOLLO\DATA\210830\DOC0830.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Tue Aug 31 09:20:02 2021
Response via : Multiple Level Calibration

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

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

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





Quantitation Report (Not Reviewed)

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

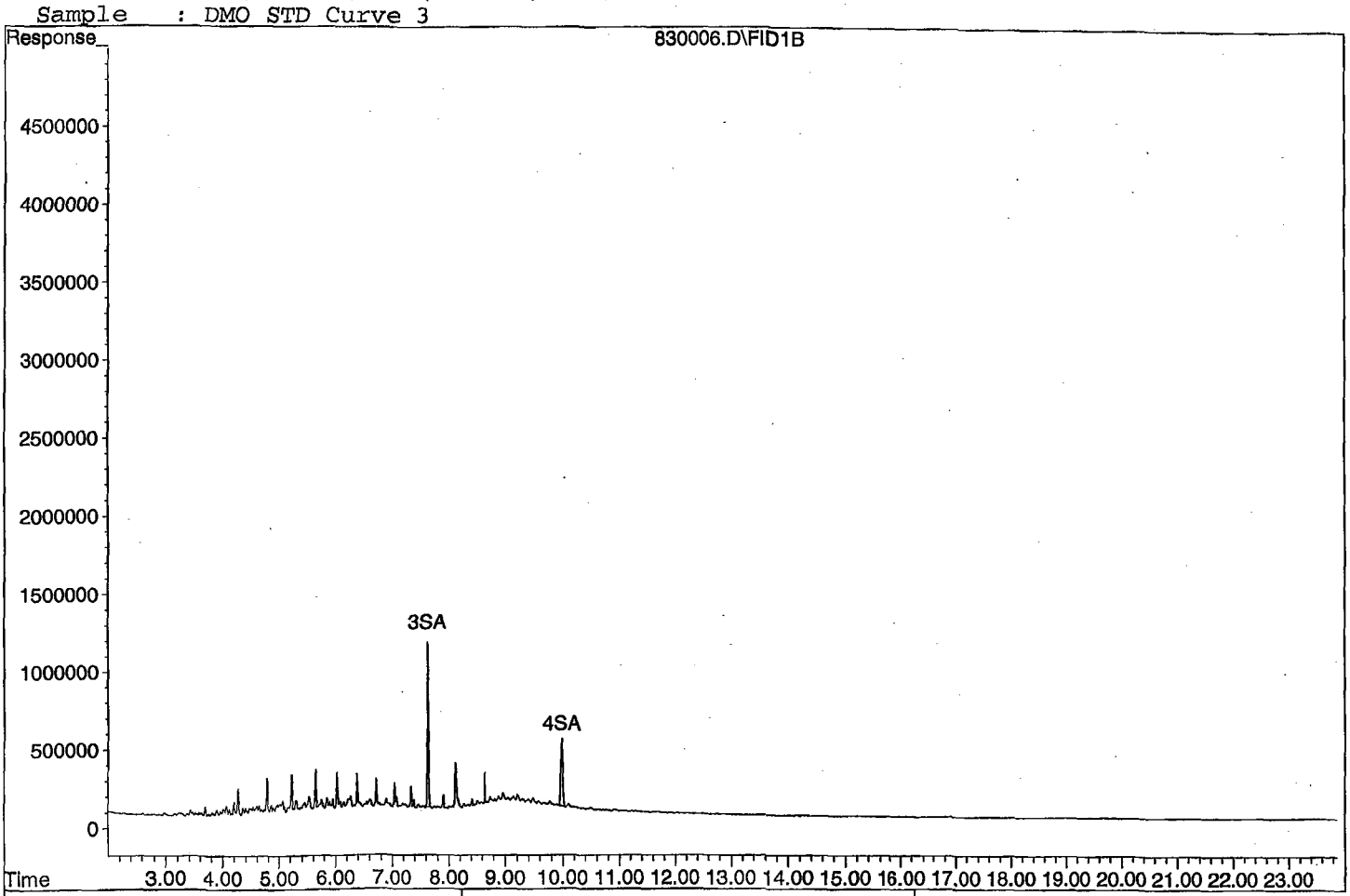
Method : G:\APOLLO\DATA\210830\DOC0830.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Tue Aug 31 09:20:02 2021
Response via : Multiple Level Calibration

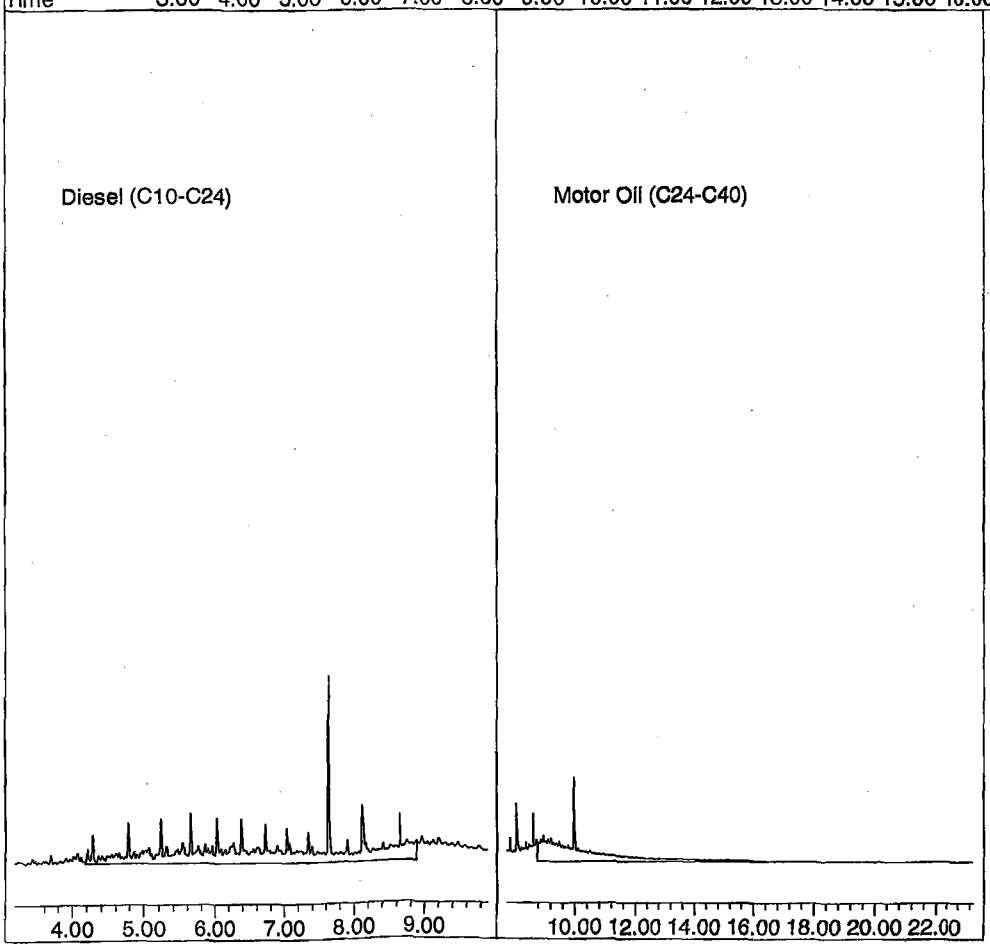
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

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

Target Compounds

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





Quantitation Report (Not Reviewed)

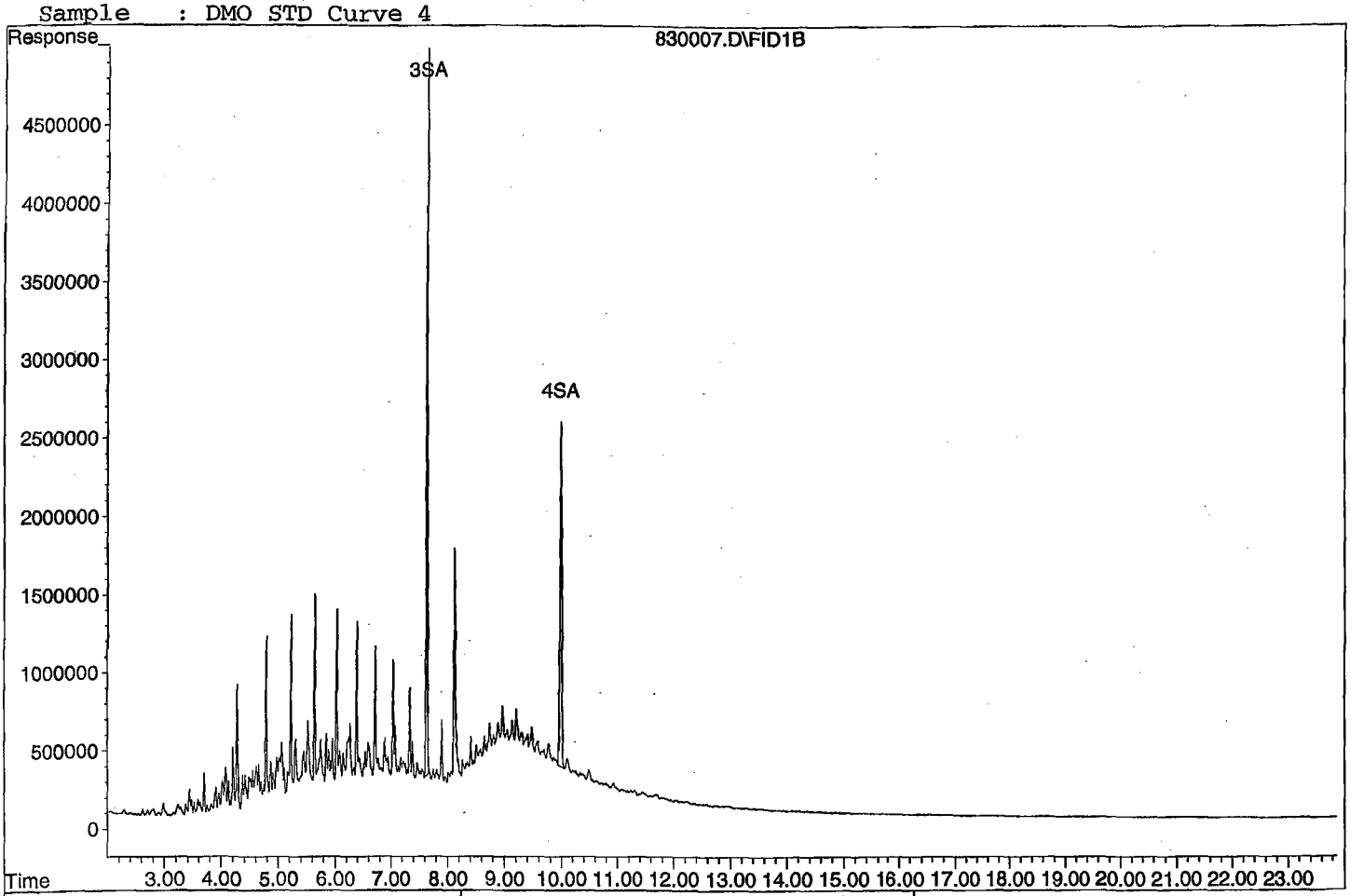
Data File : G:\APOLLO\DATA\210830\830007.D Vial: 7
Acq On : 8-30-21 15:48:59 Operator: KA
Sample : DMO STD Curve 4 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 8 12:55 2021 Quant Results File: DOC0830.RES

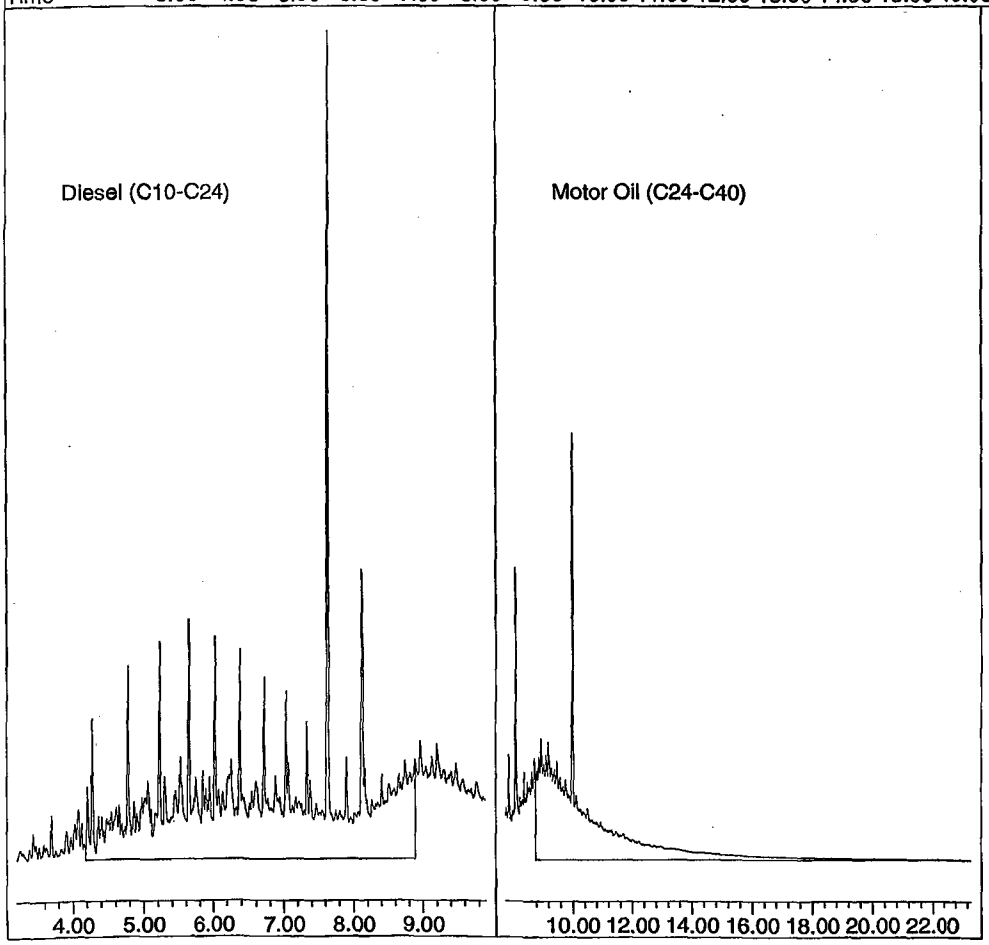
Method : G:\APOLLO\DATA\210830\DOC0830.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Tue Aug 31 09:20:02 2021
Response via : Multiple Level Calibration

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

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

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





Quantitation Report (Not Reviewed)

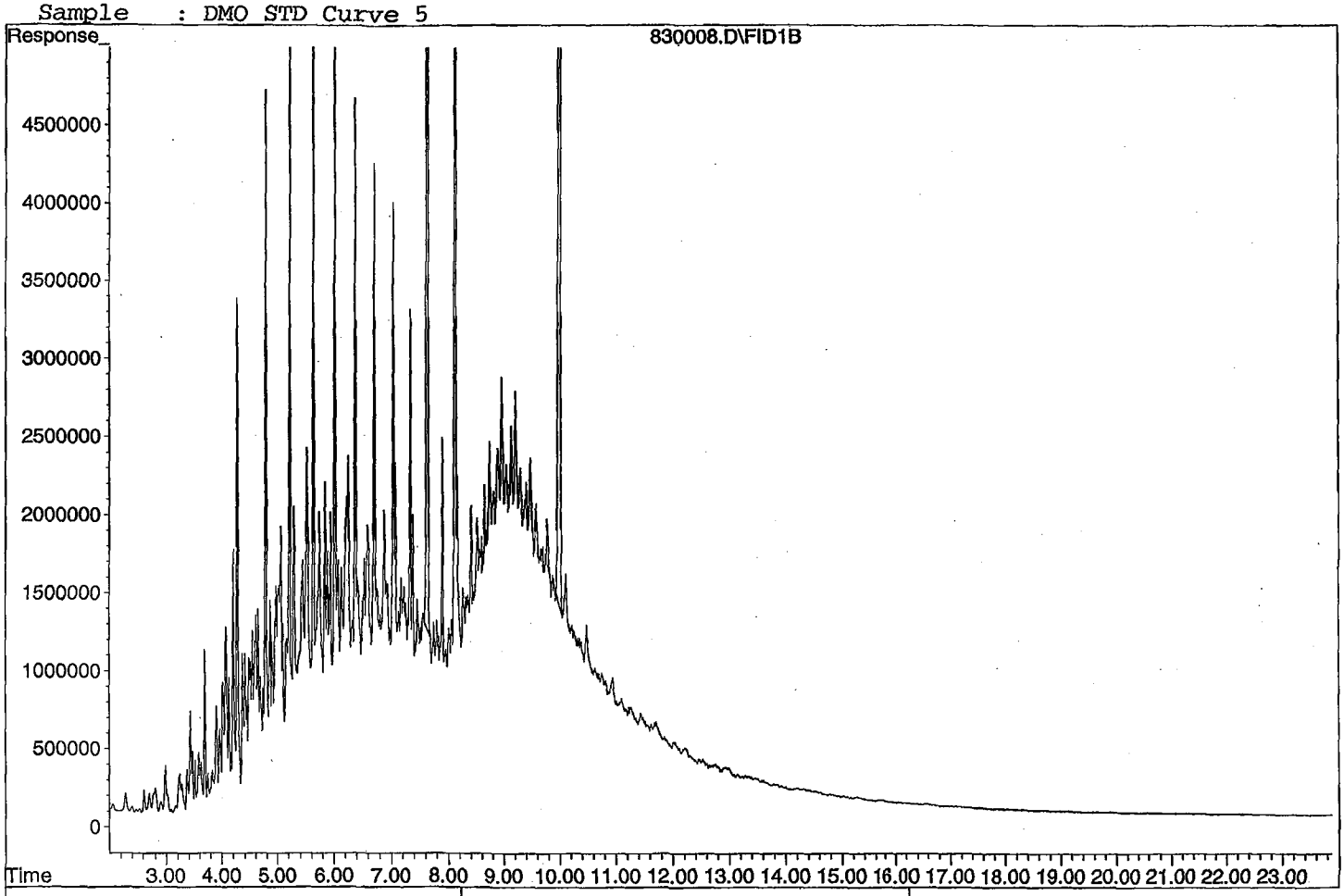
Data File : G:\APOLLO\DATA\210830\830008.D Vial: 8
Acq On : 8-30-21 16:17:29 Operator: KA
Sample : DMO STD Curve 5 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 8 12:55 2021 Quant Results File: DOC0830.RES

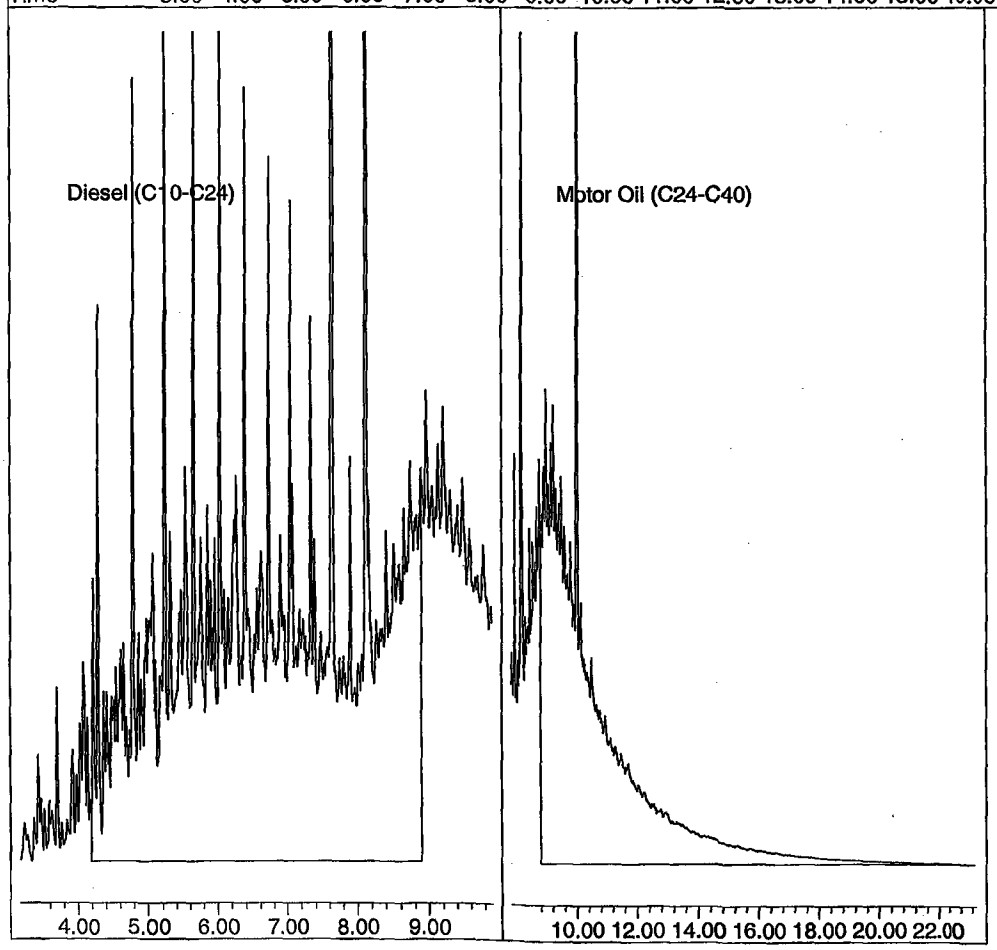
Method : G:\APOLLO\DATA\210830\DOC0830.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Tue Aug 31 09:20:02 2021
Response via : Multiple Level Calibration

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

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

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





Quantitation Report (Not Reviewed)

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

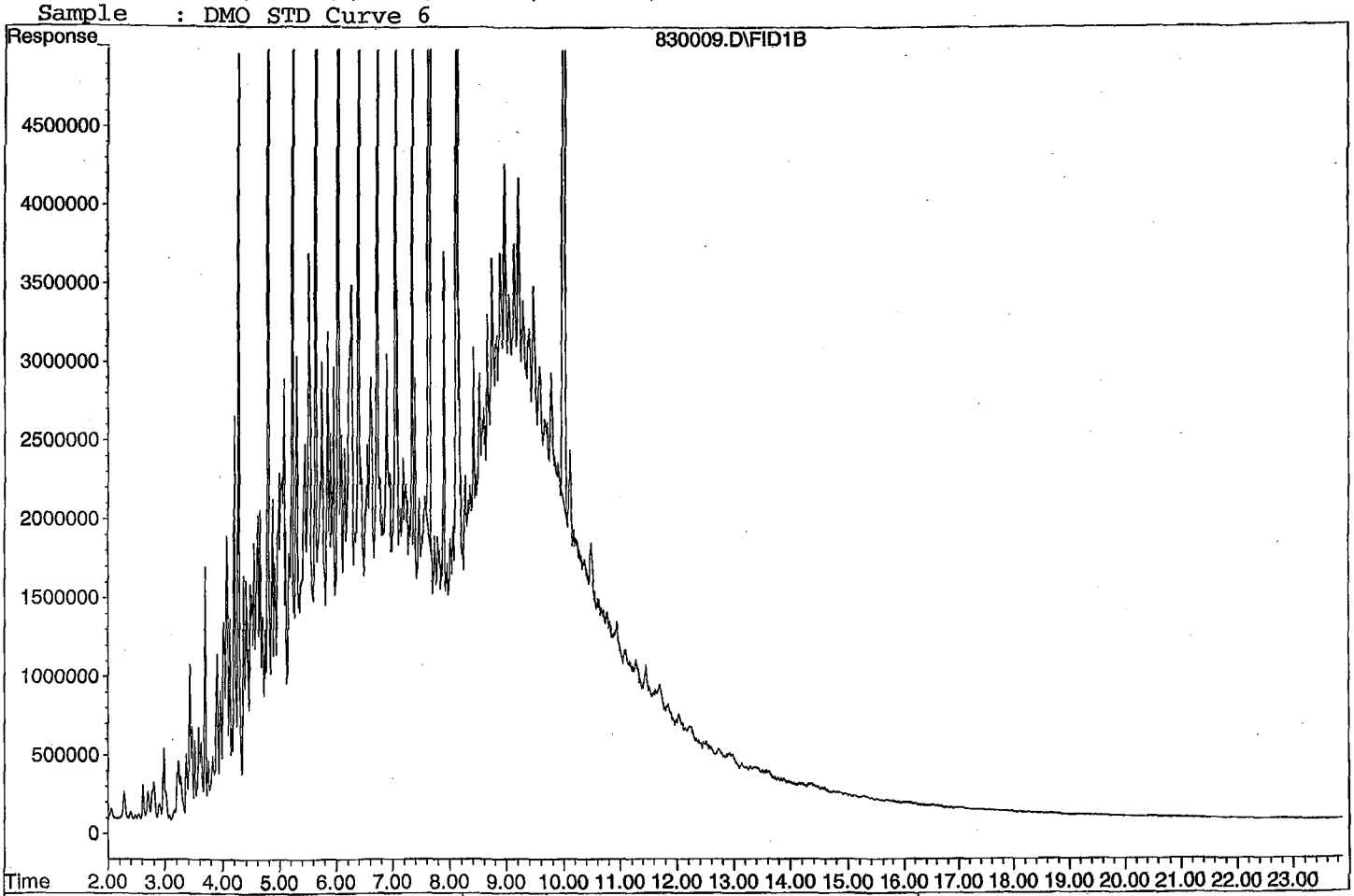
Method : G:\APOLLO\DATA\210830\DOC0830.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Tue Aug 31 09:20:02 2021
Response via : Multiple Level Calibration

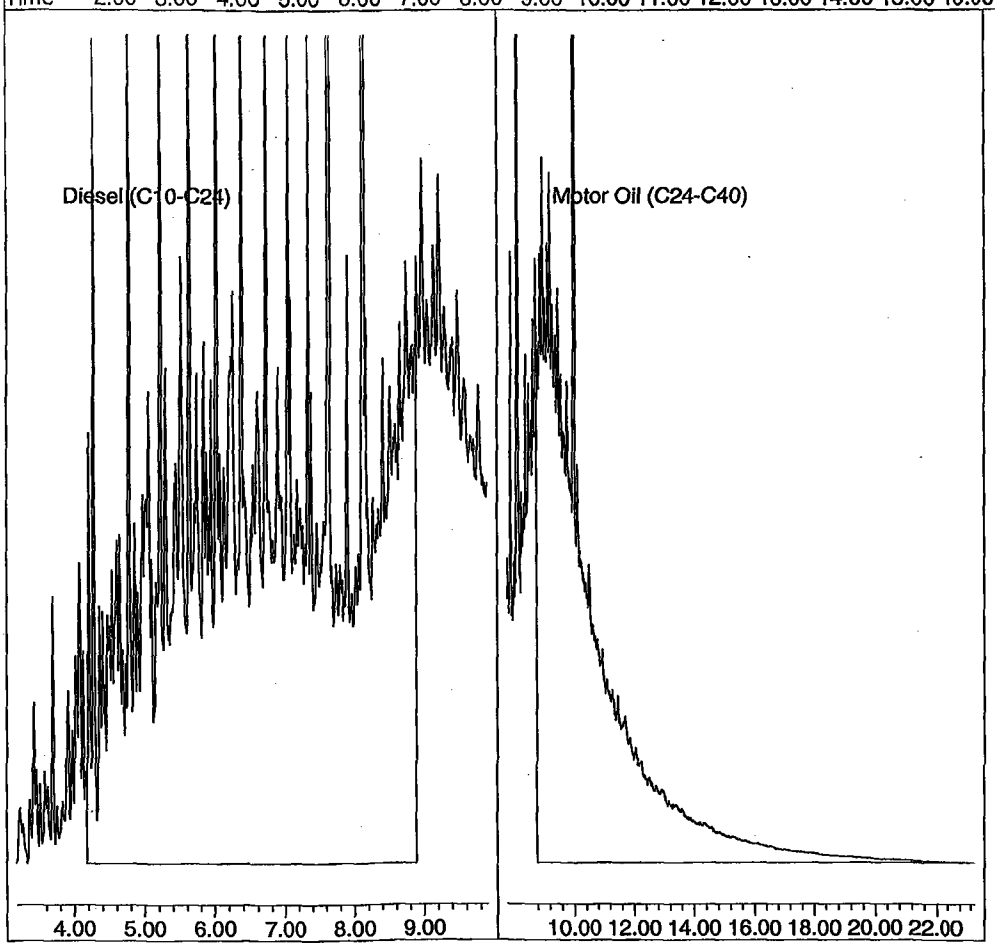
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

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

Target Compounds

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





Quantitation Report (Not Reviewed)

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

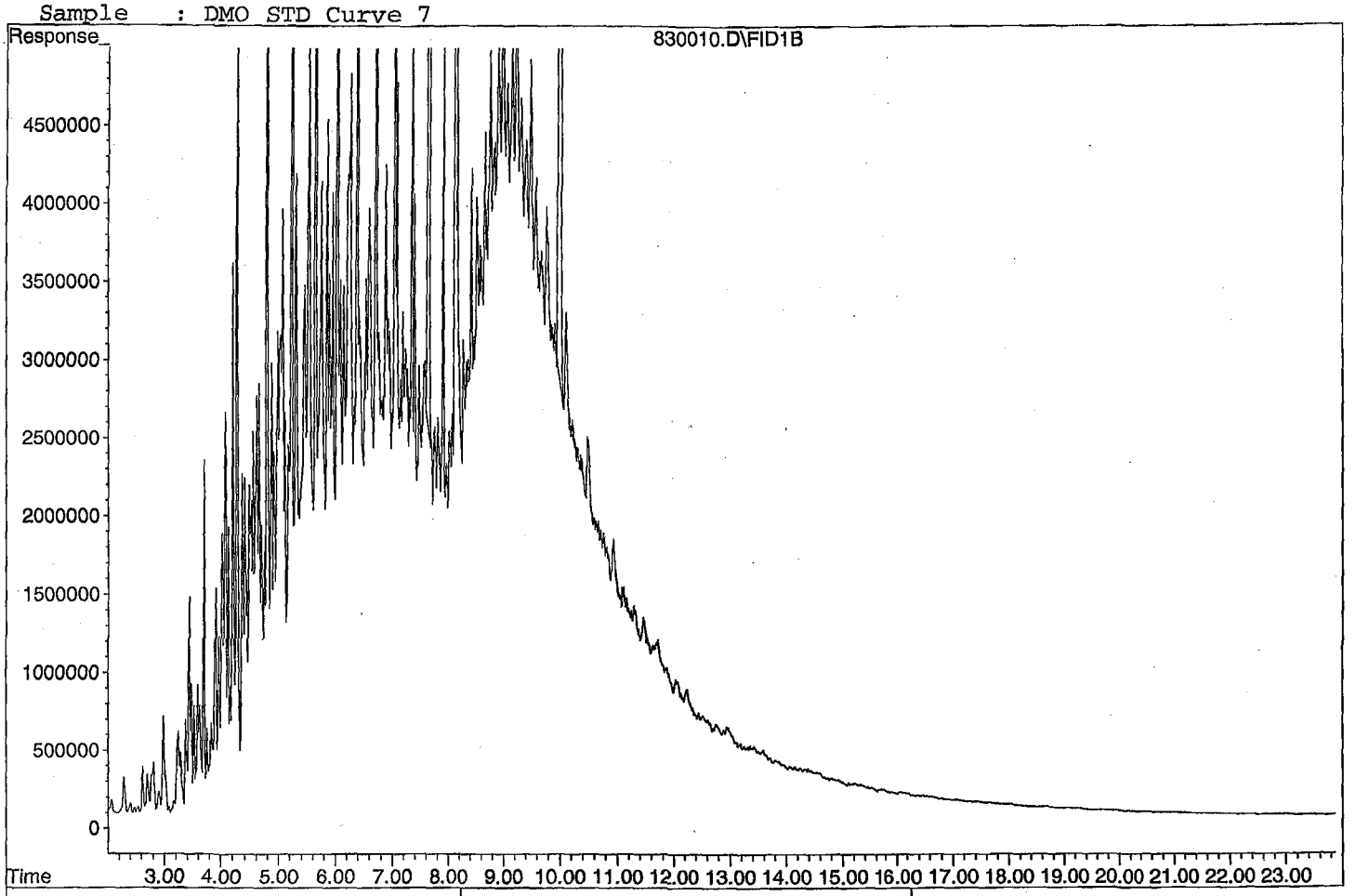
Method : G:\APOLLO\DATA\210830\DOC0830.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Tue Aug 31 09:20:02 2021
Response via : Multiple Level Calibration

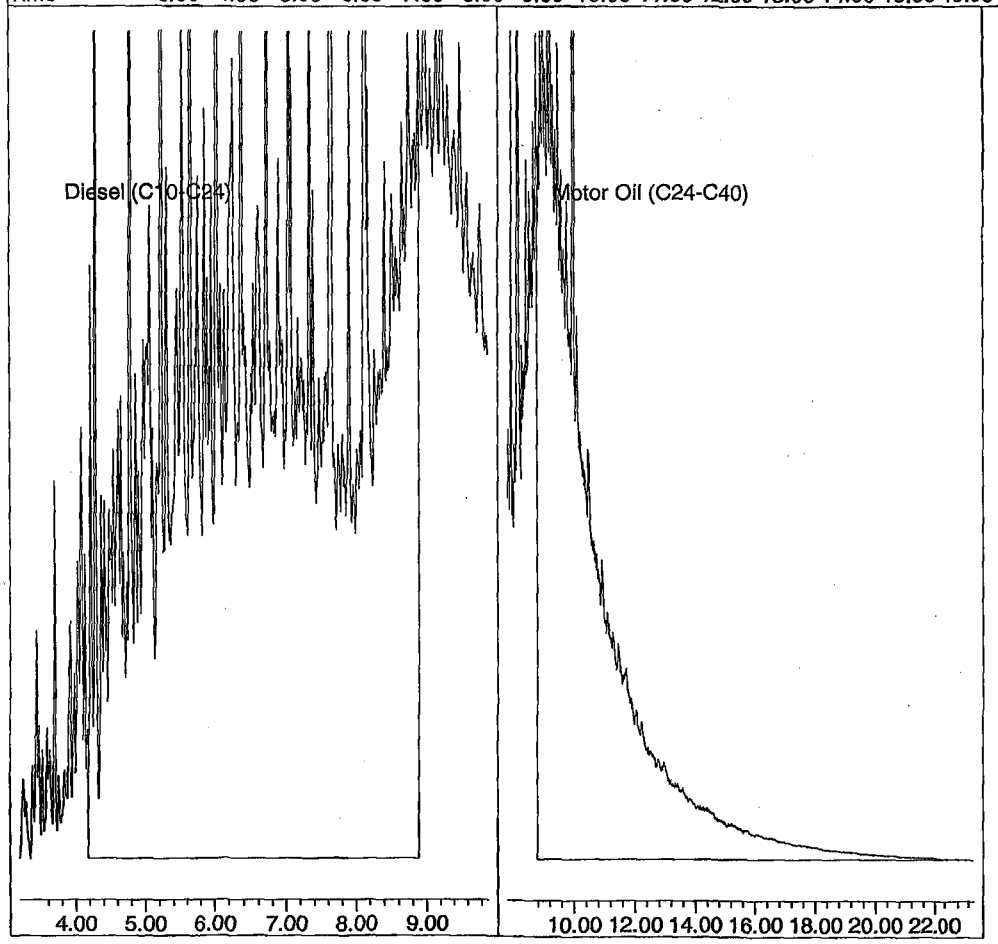
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

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

Target Compounds

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





TPH Extractables
DOC0831

Form 7

Second Source Calibration

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

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

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

Quantitation Report (Not Reviewed)

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

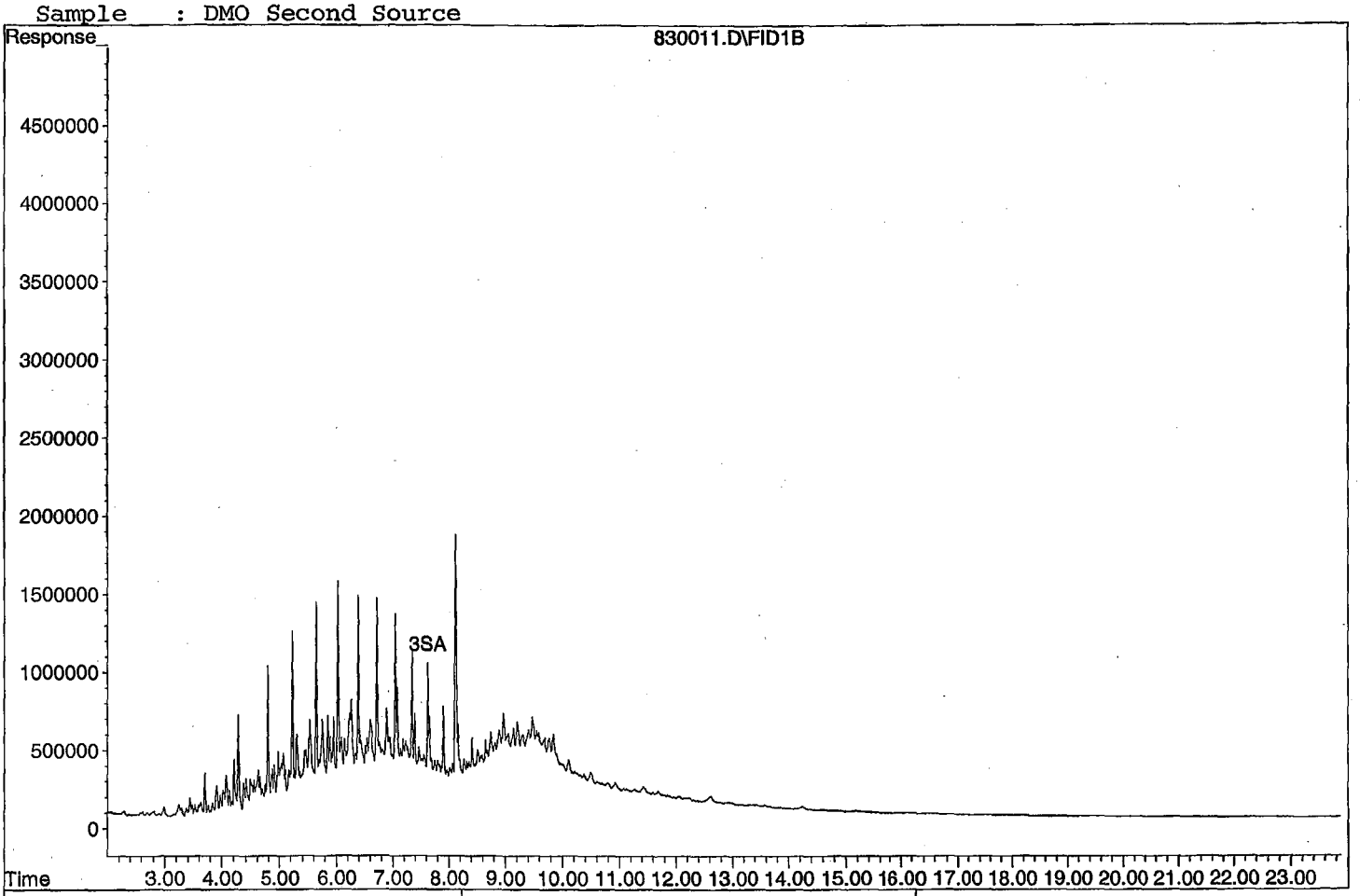
Method : G:\APOLLO\DATA\210830\DOC0830.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Tue Aug 31 09:20:02 2021
Response via : Multiple Level Calibration

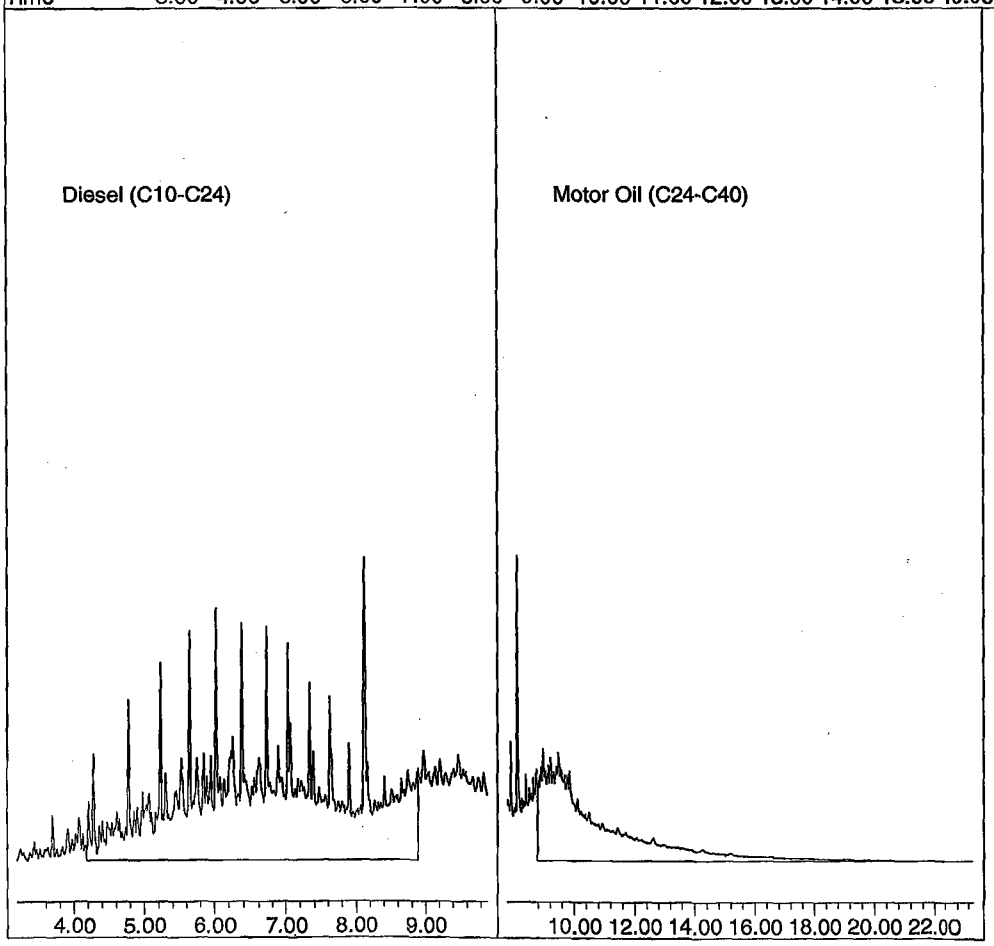
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

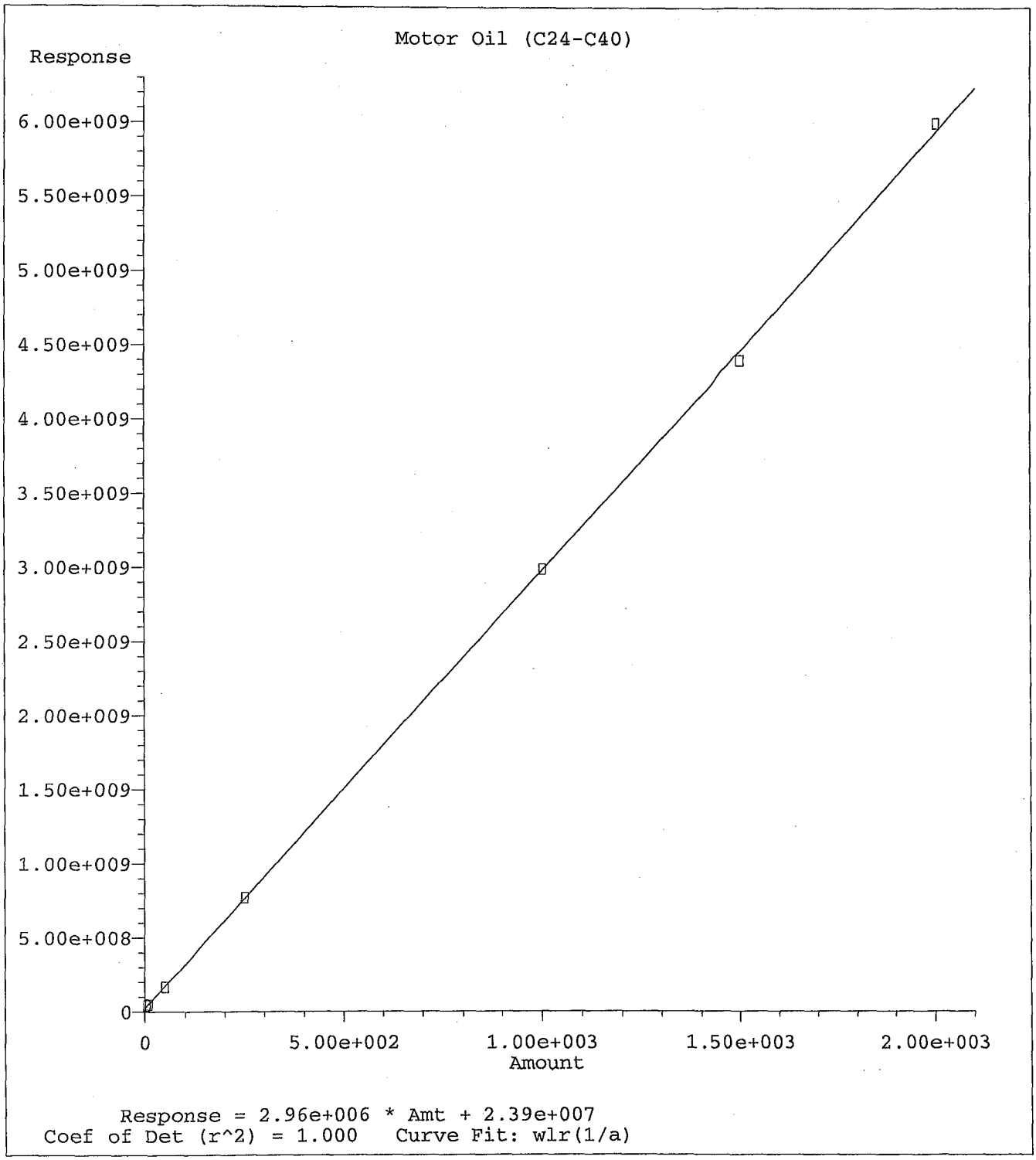
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.62	4475122	0.864 ppb
Surrogate Spike 30.000	Recovery	=	2.88%
4) SA Octacosane(S)	9.98	-56148	N.D. ppb
Surrogate Spike 30.000	Recovery	=	0.00%
Target Compounds			
1) HATM Diesel (C10-C24)	6.54	1110816428	275.009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

Target Compounds

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







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

TPH Extractables
DOC0831

Form 7

Continuing Calibration

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

SDG No:
Date Analyzed: 9/20/2021
Instrument: Apollo
Initial Cal. Date: 8/30/2021
Data File: 916166.D

		Compound	MEAN	CCRF	%D	%Drift	
1	HATM	Diesel (C10-C24)	2019600	2133310	5.6	HATM	
2	HBTM	Motor Oil (C24-C40)	2035830	1471530	28	HBTML	3.8
3	SA	Ortho-Terphenyl(S)	2590720	2751150	6.2	SA	
4	SA	Octacosane(S)	1926380	1680620	13	SA	
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		Average			13.2		

Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\210916\916166.D Vial: 66
Acq On : 9-20-21 16:38:54 Operator: KA
Sample : Diesel Motor Oil CCV 9/17/21 Inst : Apollo
Misc : Water Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 20 17:16 2021 Quant Results File: DOC0830.RES

Method : G:\APOLLO\DATA\210928\DOC0830.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Sep 30 12:32:14 2021
Response via : Multiple Level Calibration

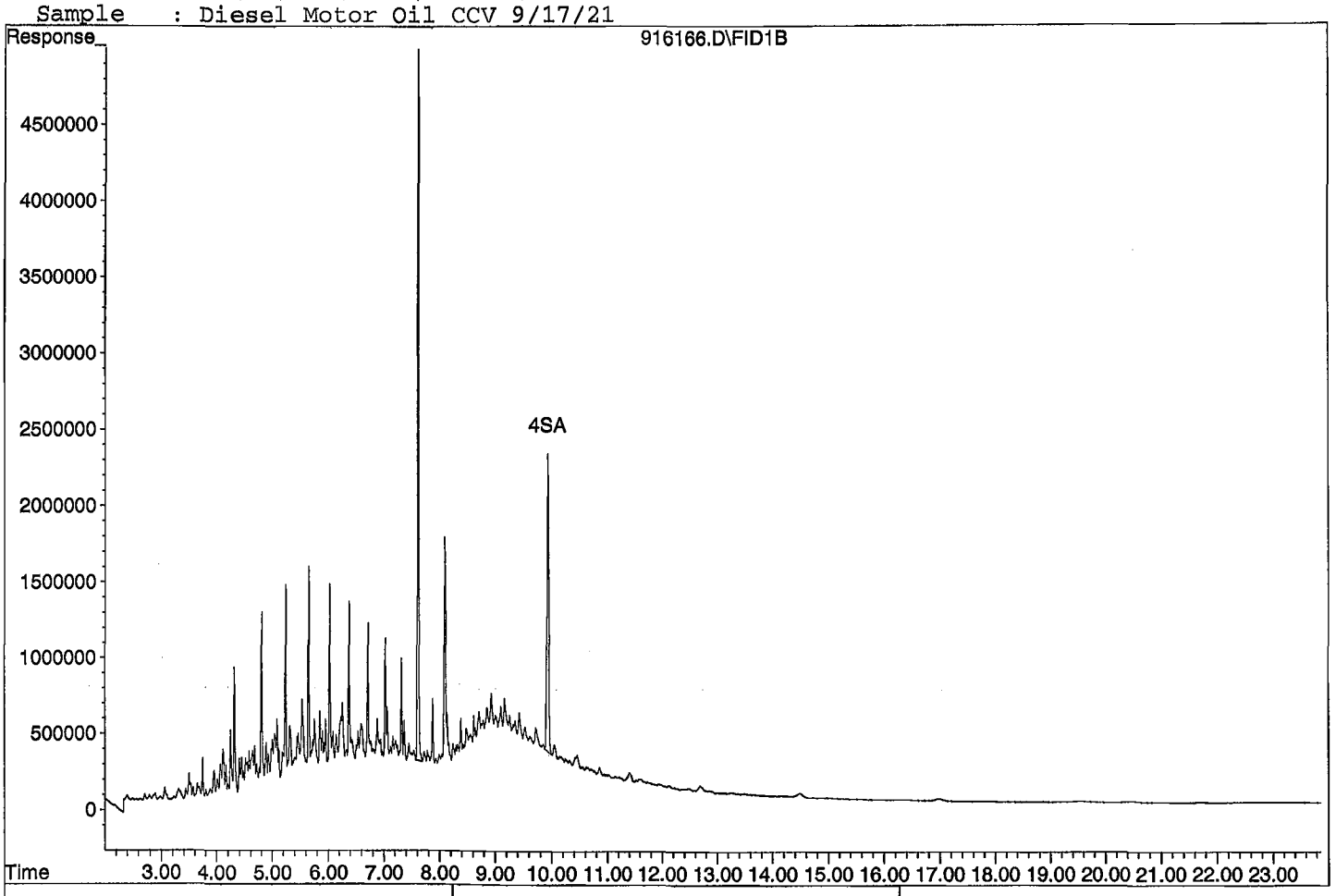
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

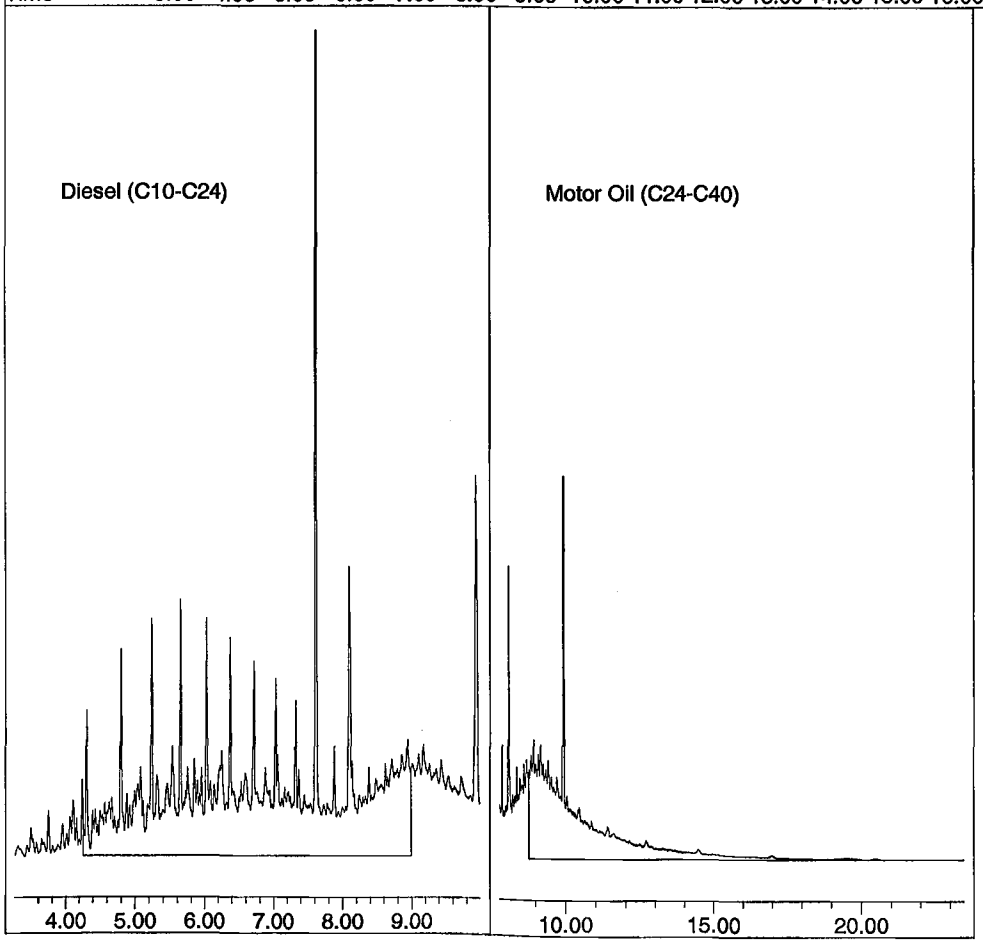
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.62	68778772	13.274 ppb
Surrogate Spike 30.000		Recovery =	44.25%
4) SA Octacosane(S)	9.93	42015615	10.905 ppb
Surrogate Spike 30.000		Recovery =	36.35%
Target Compounds			
1) HATM Diesel (C10-C24)	6.63	1066656850	264.077 ppb
2) HBTM Motor Oil (C24-C40)	15.62	735763712	240.617 ppb

Target Compounds

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

Data File: G:\APOLLO\DATA\210916\916166.D
Sample : Diesel Motor Oil CCV 9/17/21





TPH Extractables
DOC0831

Form 7
Continuing Calibration

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

SDG No:
Date Analyzed: 9/21/2021
Instrument: Apollo
Initial Cal. Date: 8/30/2021
Data File: 916183.D

		Compound	MEAN	CCRF	%D	%Drift	
1	HATM	Diesel (C10-C24)	2019600	2186480	8.3	HATM	
2	HBTM	Motor Oil (C24-C40)	2035830	1531340	25	HBTML	0.29
3	SA	Ortho-Terphenyl(S)	2590720	2709460	4.6	SA	
4	SA	Octacosane(S)	1926380	1699630	12	SA	
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		Average			12.5		

Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\210916\916183.D Vial: 83
Acq On : 9-21-21 0:41:16 Operator: KA
Sample : Diesel Motor Oil CCV 9/17/21 Inst : Apollo
Misc : Water Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 21 14:10 2021 Quant Results File: DOC0830.RES

Method : G:\APOLLO\DATA\210928\DOC0830.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Sep 30 12:32:14 2021
Response via : Multiple Level Calibration

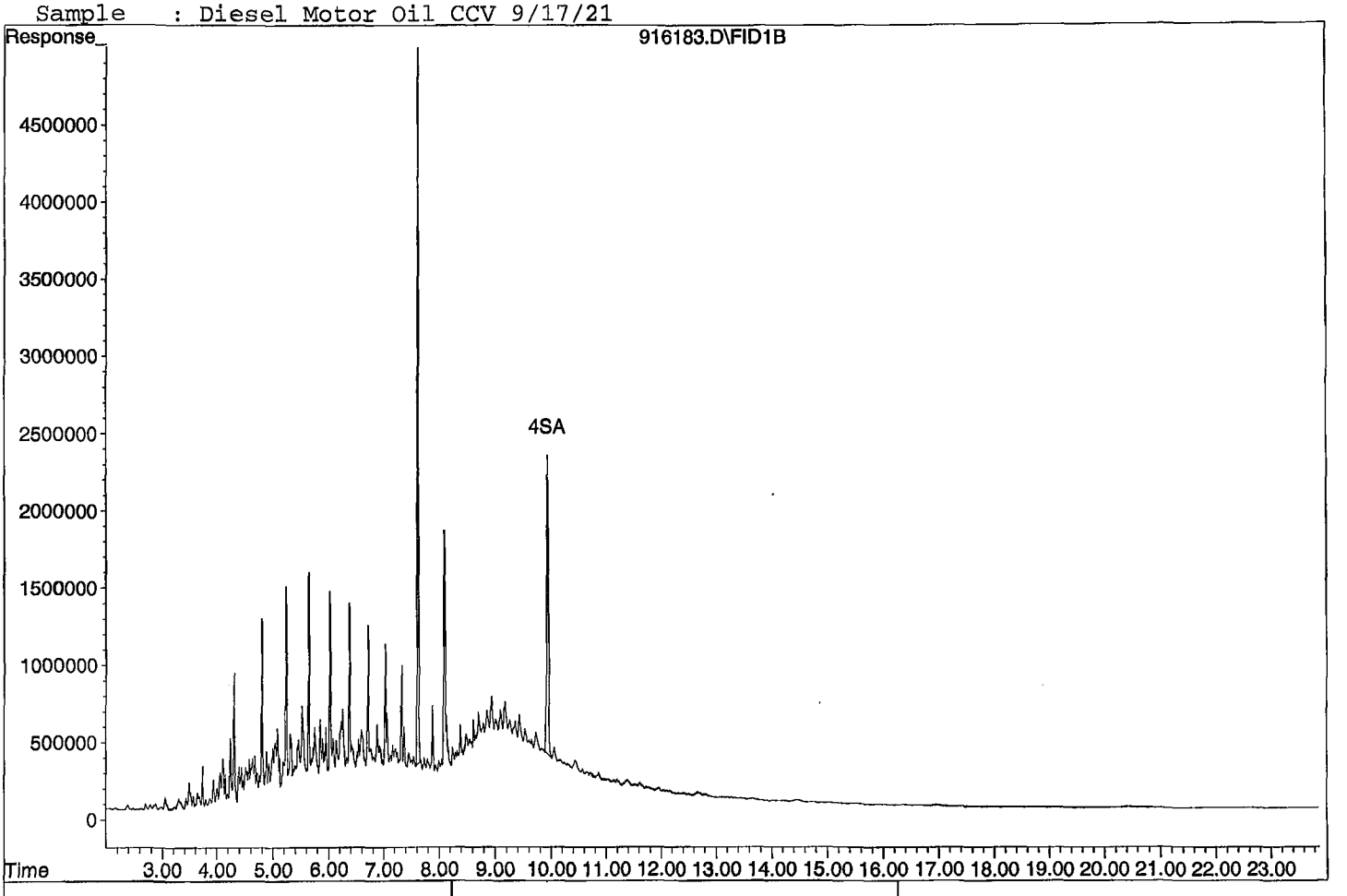
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

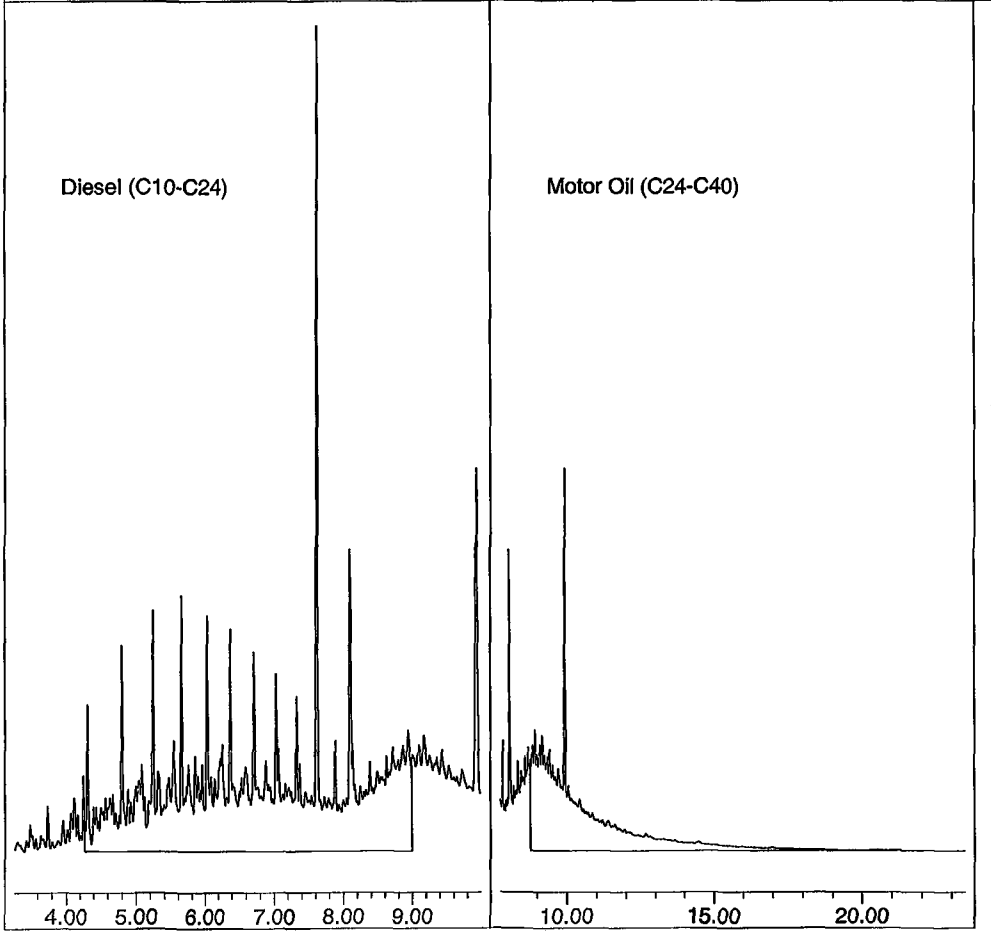
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.61	67736518	13.073 ppb
Surrogate Spike 30.000	Recovery =		43.58%
4) SA Octacosane(S)	9.93	42490819	11.029 ppb
Surrogate Spike 30.000	Recovery =		36.76%
Target Compounds			
1) HATM Diesel (C10-C24)	6.63	1093240623	270.658 ppb
2) HBTM Motor Oil (C24-C40)	15.62	765669539	250.725 ppb

Target Compounds

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

Data File: G:\APOLLO\DATA\210916\916183.D
Sample : Diesel Motor Oil CCV 9/17/21





ORGANICS
Raw Data

Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\210916\916170.D Vial: 70
Acq On : 9-20-21 18:32:06 Operator: KA
Sample : BA40209W08 5/1000 Inst : Apollo
Misc : Water Multiplr: 5.00
IntFile : events.e
Quant Time: Sep 23 13:12 2021 Quant Results File: DOC0830.RES

Method : G:\APOLLO\DATA\210928\DOC0830.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Sep 30 12:32:14 2021
Response via : Multiple Level Calibration

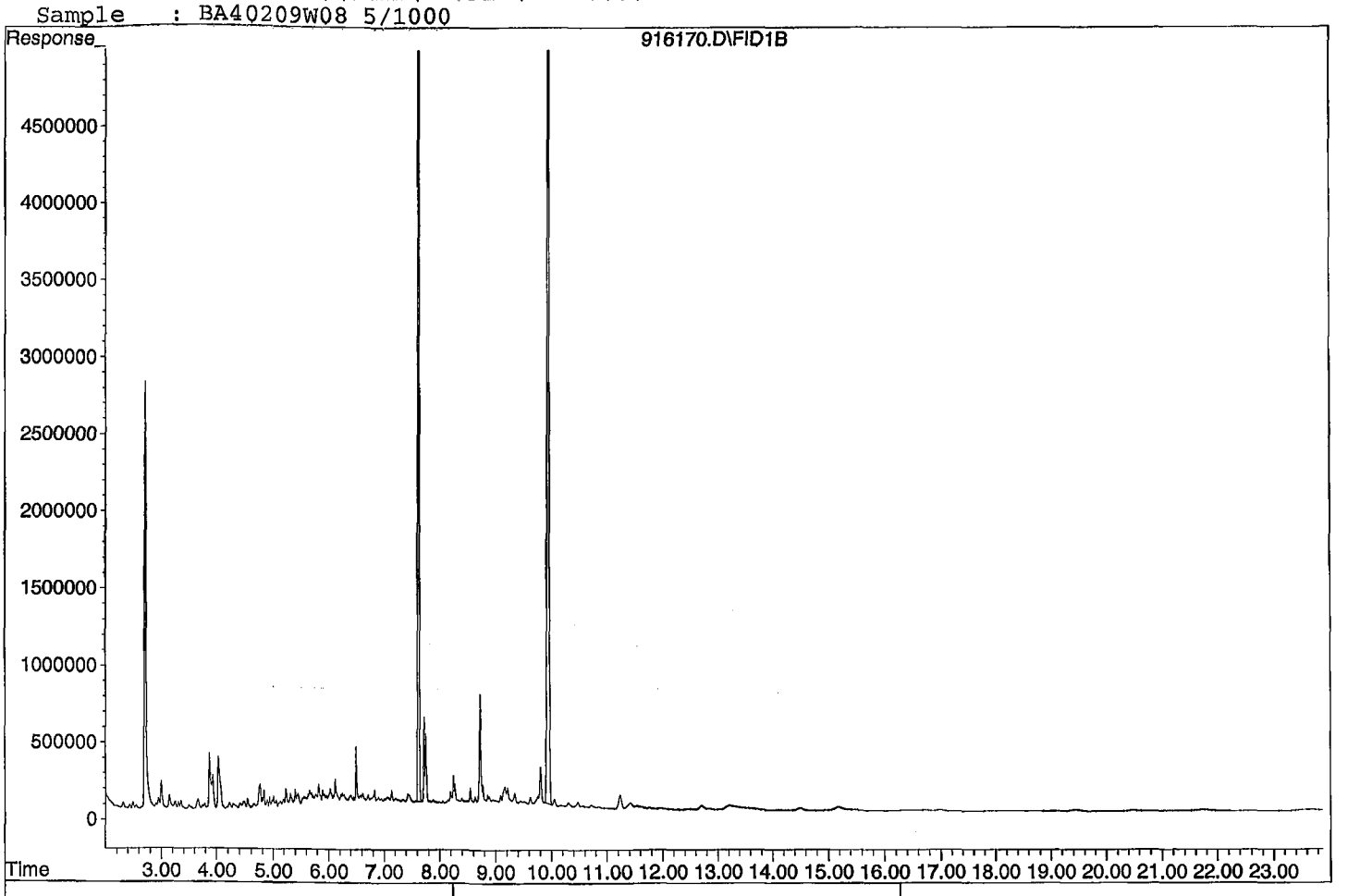
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

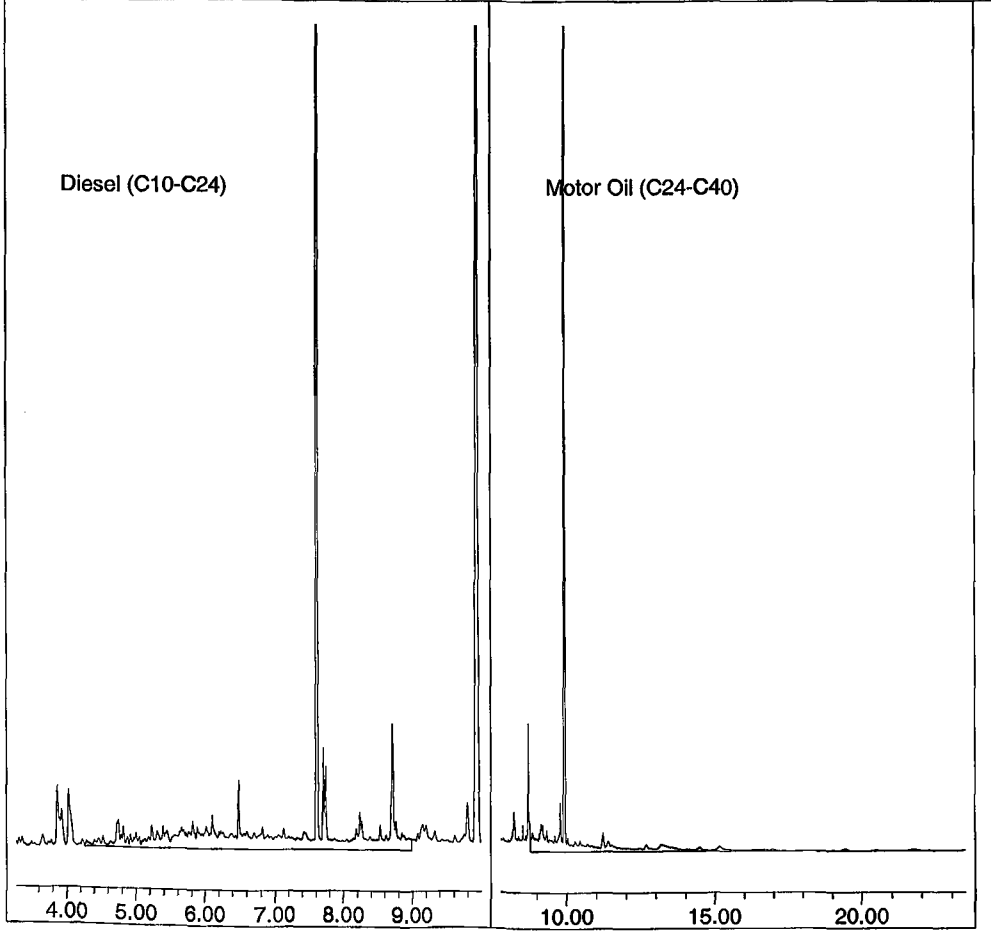
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.62	147138983	141.987 ppb
Surrogate Spike 150.000		Recovery =	94.66%
4) SA Octacosane(S)	9.94	133434599	173.168 ppb
Surrogate Spike 150.000		Recovery =	115.45%
Target Compounds			
1) HATM Diesel (C10-C24)	6.63	228079610	282.333 ppb
2) HBTM Motor Oil (C24-C40)	15.62	159906417	229.873 ppb

Target Compounds

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

Data File: G:\APOLLO\DATA\210916\916170.D
Sample : BA40209W08 5/1000





Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\210916\916171.D Vial: 71
Acq On : 9-20-21 19:00:22 Operator: KA
Sample : BA40211W07 5/1000 Inst : Apollo
Misc : Water Multiplr: 5.00
IntFile : events.e
Quant Time: Sep 23 13:13 2021 Quant Results File: DOC0830.RES

Method : G:\APOLLO\DATA\210928\DOC0830.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Sep 30 12:32:14 2021
Response via : Multiple Level Calibration

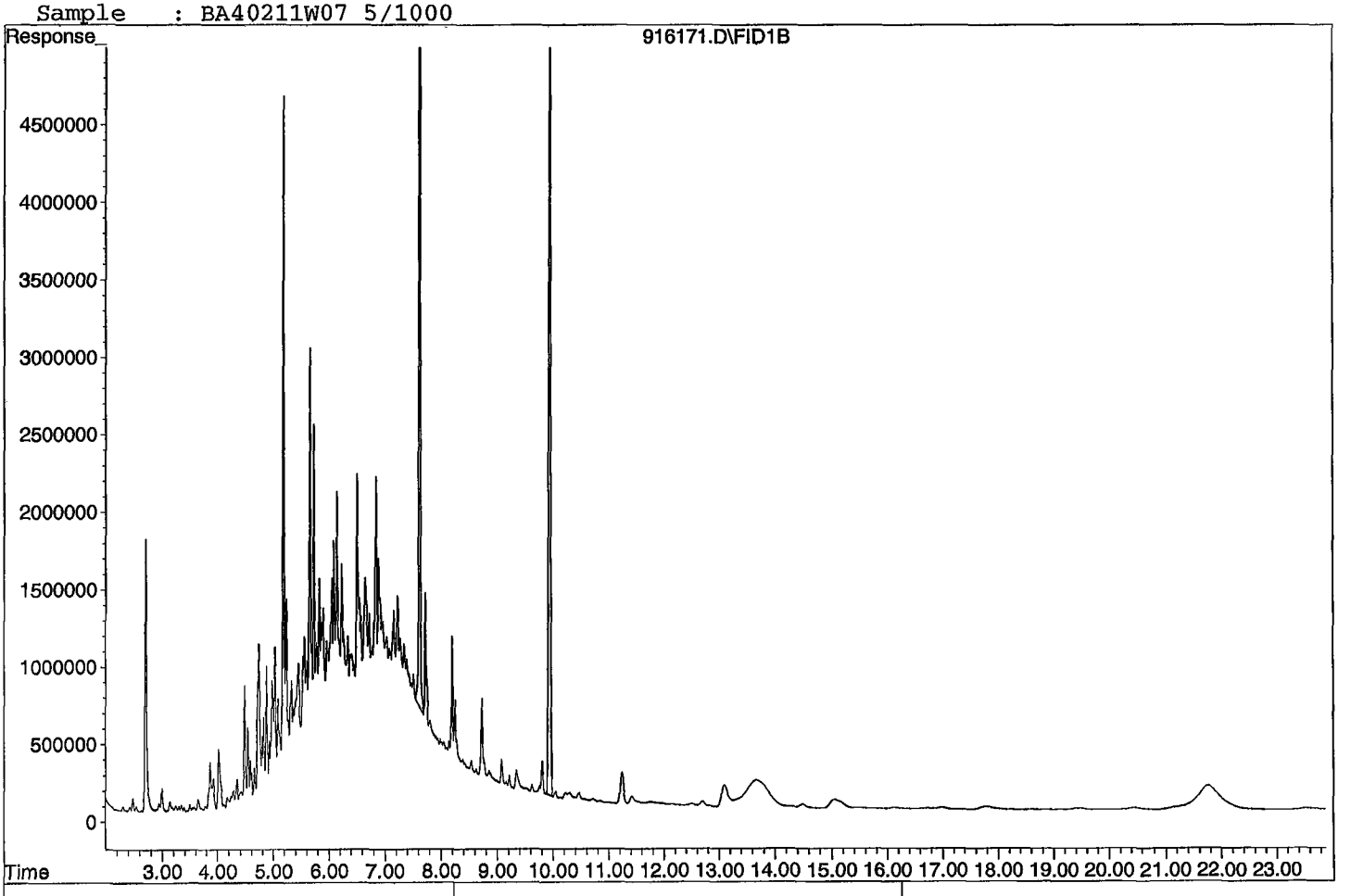
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

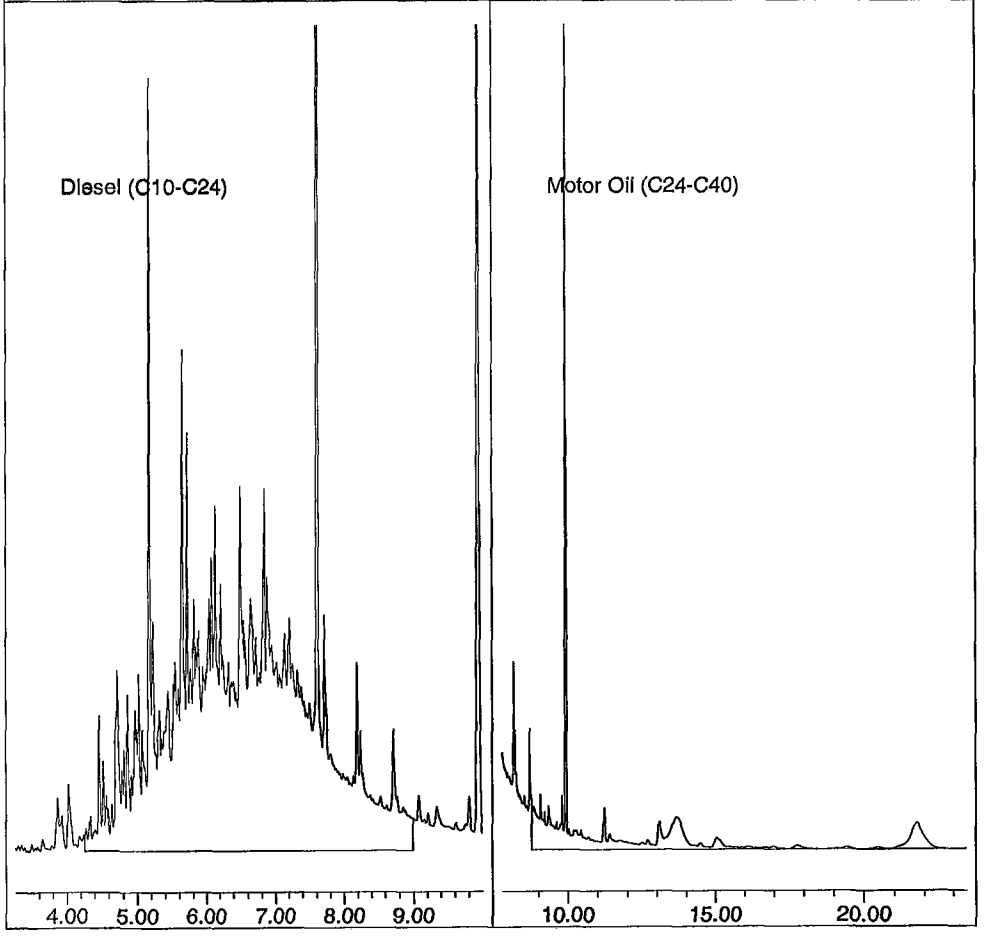
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.62	136603147	131.820 ppb
Surrogate Spike 150.000		Recovery =	87.88%
4) SA Octacosane(S)	9.94	119783496	155.452 ppb
Surrogate Spike 150.000		Recovery =	103.63%
Target Compounds			
1) HATM Diesel (C10-C24)	6.63	2175228782	2692.653 ppb
2) HBTM Motor Oil (C24-C40)	15.62	414856388	660.744 ppb

Target Compounds

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

Data File: G:\APOLLO\DATA\210916\916171.D
Sample : BA40211W07 5/1000





Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\210916\916172.D Vial: 72
Acq On : 9-20-21 19:28:41 Operator: KA
Sample : BA40213W08 5/1000 Inst : Apollo
Misc : Water Multiplr: 5.00
IntFile : events.e
Quant Time: Sep 23 13:13 2021 Quant Results File: DOC0830.RES

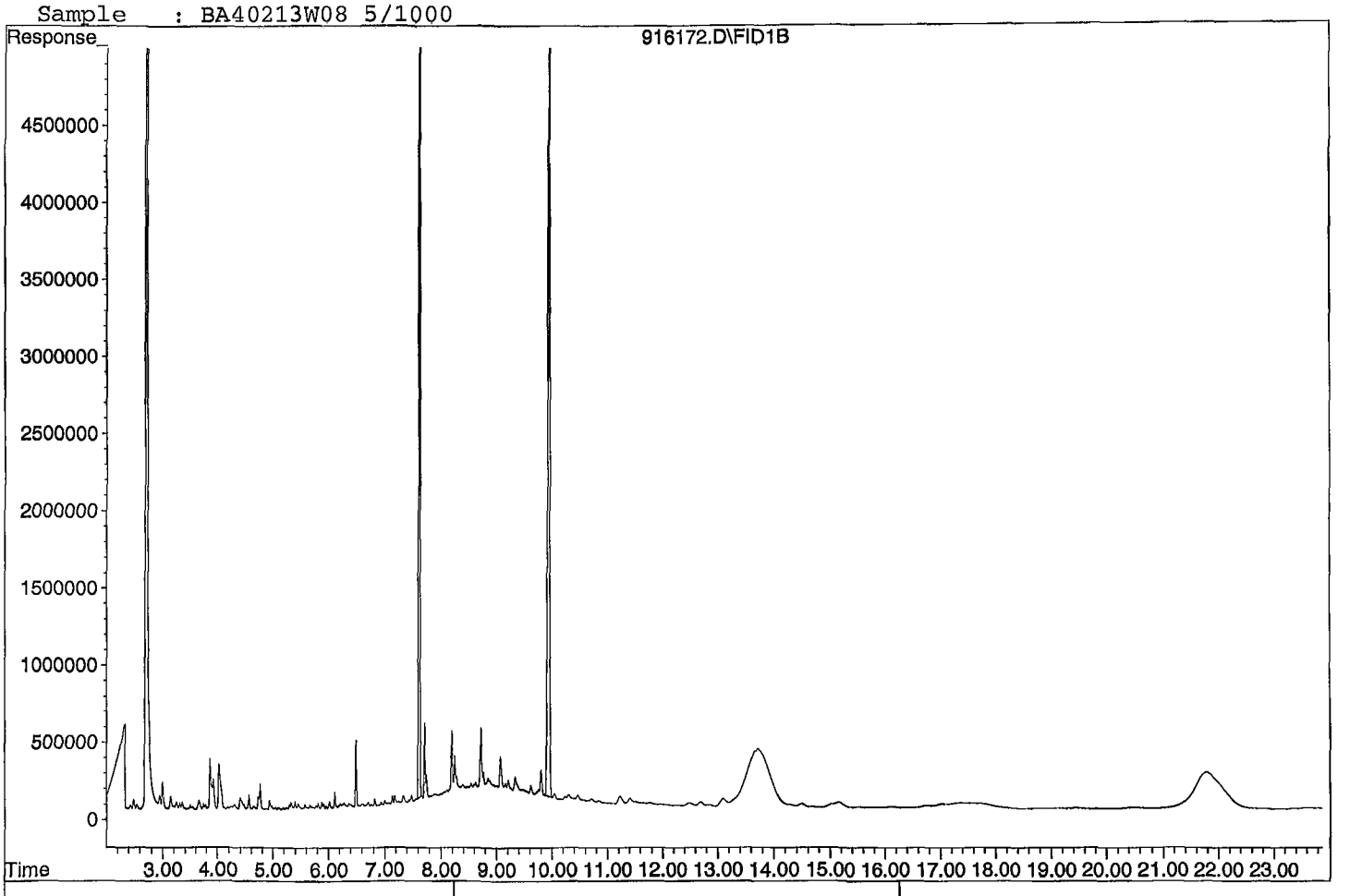
Method : G:\APOLLO\DATA\210928\DOC0830.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Sep 30 12:32:14 2021
Response via : Multiple Level Calibration

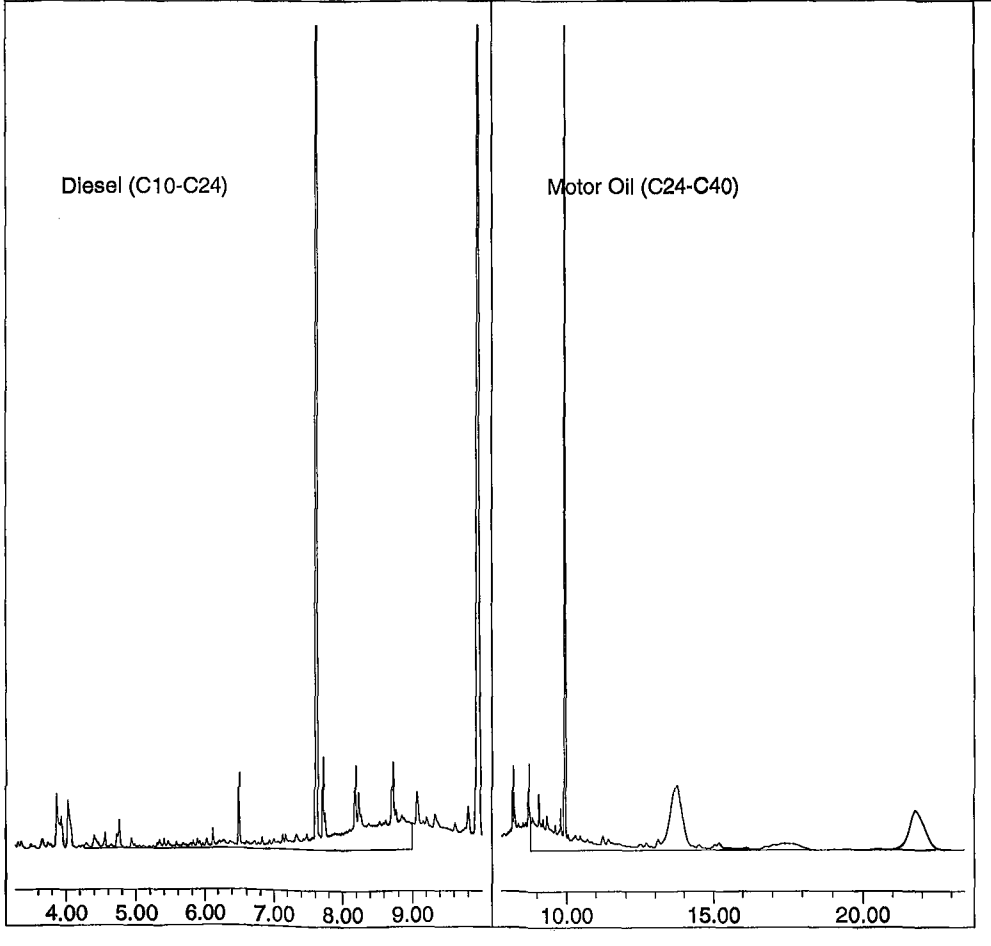
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.62	135488134	130.744 ppb
Surrogate Spike 150.000		Recovery =	87.16%
4) SA Octacosane(S)	9.94	124754669	161.903 ppb
Surrogate Spike 150.000		Recovery =	107.94%
Target Compounds			
1) HATM Diesel (C10-C24)	6.63	204433735	253.063 ppb
2) HBTM Motor Oil (C24-C40)	15.62	440794868	704.580 ppb
Target Compounds			

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

Data File: G:\APOLLO\DATA\210916\916172.D
Sample : BA40213W08 5/1000





Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\210916\916173.D Vial: 73
Acq On : 9-20-21 19:56:57 Operator: KA
Sample : BA40215W08 5/1020 Inst : Apollo
Misc : Water Multiplr: 4.90
IntFile : events.e
Quant Time: Sep 23 13:13 2021 Quant Results File: DOC0830.RES

Method : G:\APOLLO\DATA\210928\DOC0830.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Sep 30 12:32:14 2021
Response via : Multiple Level Calibration

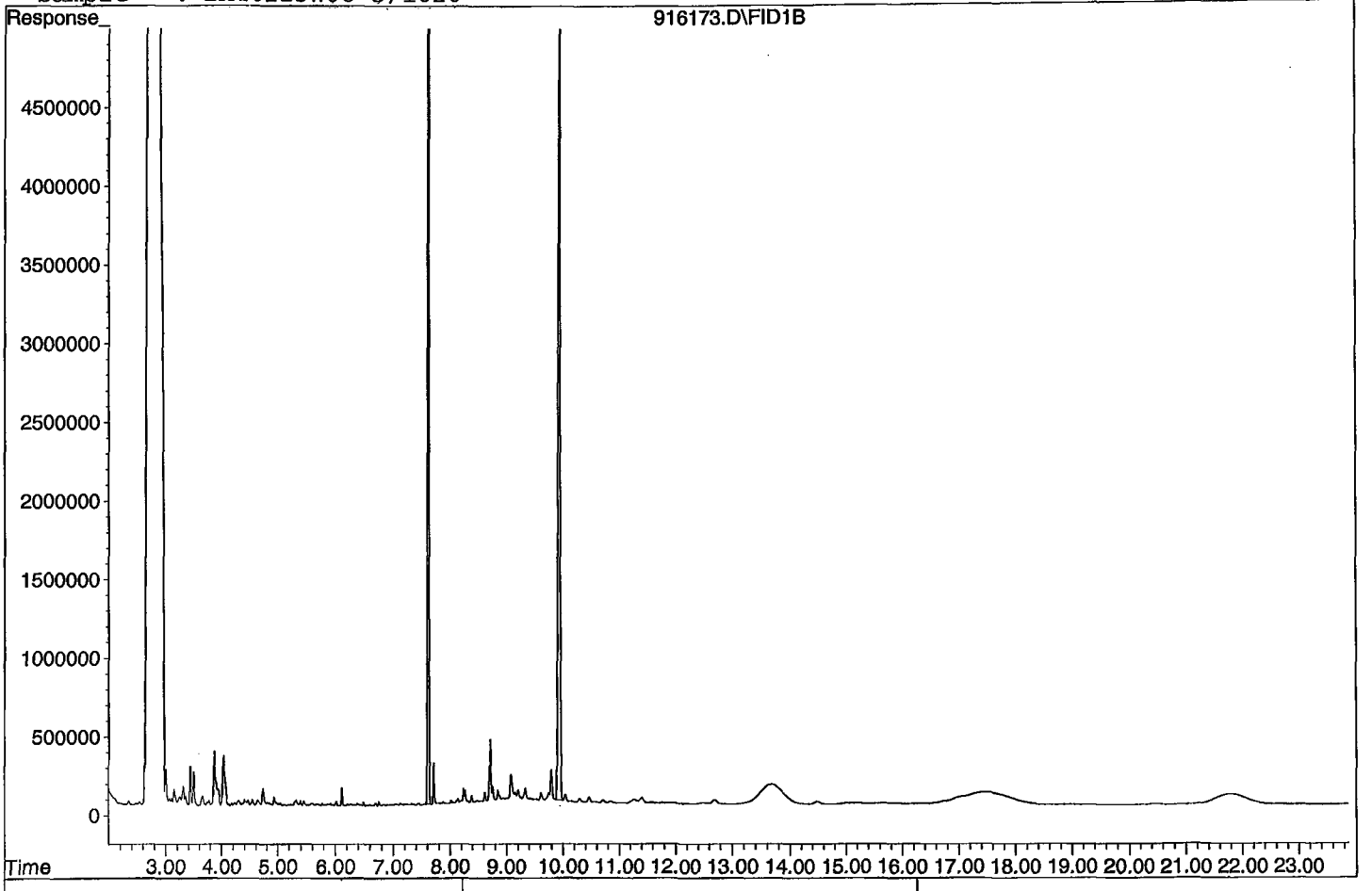
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

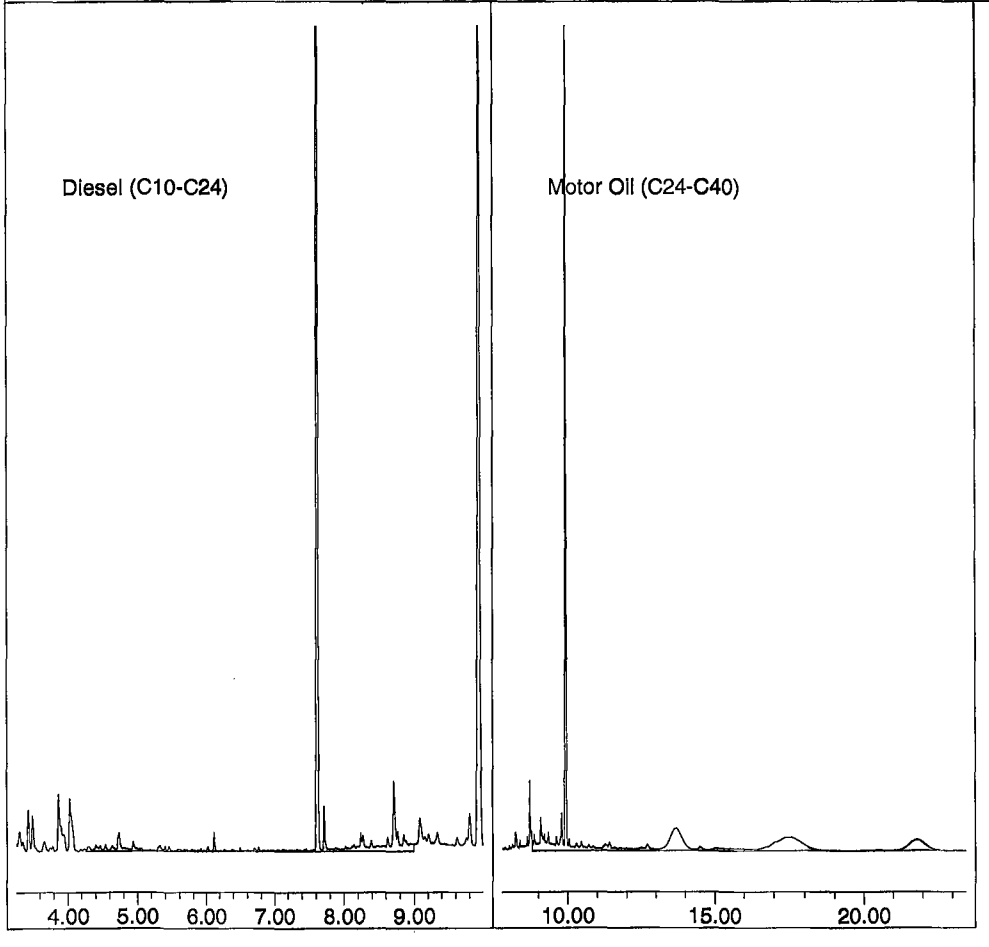
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.62	132783507	125.622 ppb
Surrogate Spike 147.059		Recovery =	85.42%
4) SA Octacosane(S)	9.94	121390242	154.448 ppb
Surrogate Spike 147.059		Recovery =	105.02%
Target Compounds			
1) HATM Diesel (C10-C24)	6.63	57831246	70.184 ppb
2) HBTM Motor Oil (C24-C40)	15.62	216864988	319.739 ppb

Target Compounds

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

Data File: G:\APOLLO\DATA\210916\916173.D
Sample : BA40215W08 5/1020





Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\210916\916174.D Vial: 74
Acq On : 9-20-21 20:25:23 Operator: KA
Sample : BA40216W08 5/1030 Inst : Apollo
Misc : Water Multiplr: 4.85
IntFile : events.e
Quant Time: Sep 23 13:13 2021 Quant Results File: DOC0830.RES

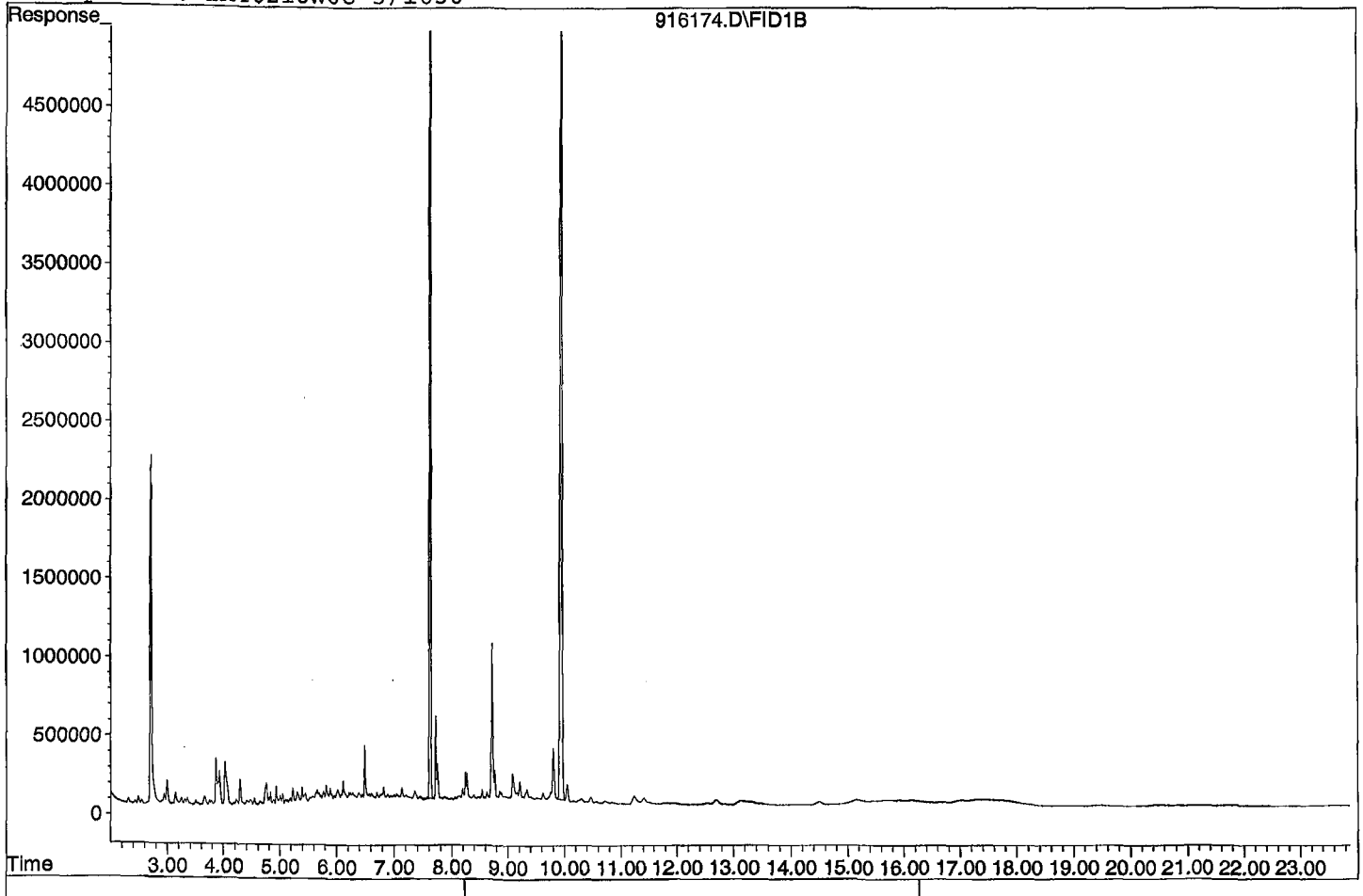
Method : G:\APOLLO\DATA\210928\DOC0830.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Sep 30 12:32:14 2021
Response via : Multiple Level Calibration

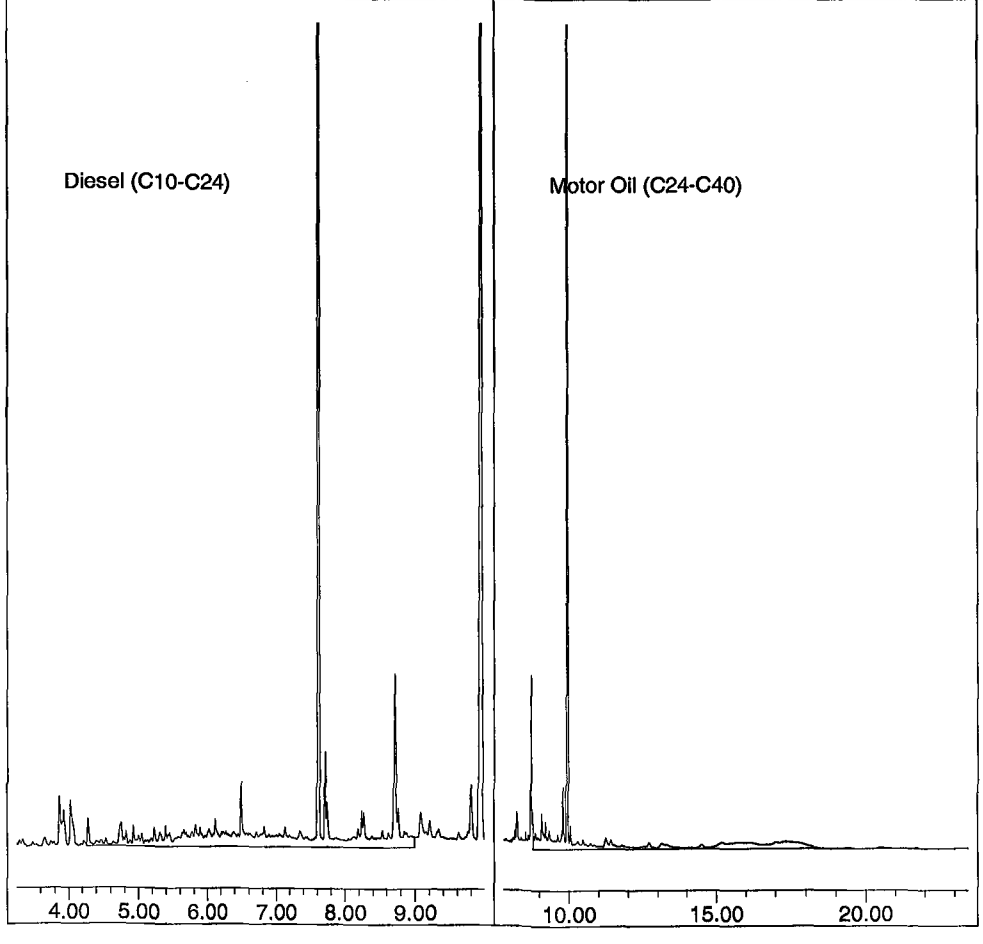
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.62	136215533	127.617 ppb
Surrogate Spike 145.631		Recovery =	87.63%
4) SA Octacosane(S)	9.94	129133116	162.704 ppb
Surrogate Spike 145.631		Recovery =	111.72%
Target Compounds			
1) HATM Diesel (C10-C24)	6.63	206169646	247.778 ppb
2) HBTM Motor Oil (C24-C40)	15.62	188912571	270.771 ppb
Target Compounds			

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

Data File: G:\APOLLO\DATA\210916\916174.D
Sample : BA40216W08 5/1030





Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\210916\916167.D Vial: 67
Acq On : 9-20-21 17:07:12 Operator: KA
Sample : 210915A BLK 5/1000 Inst : Apollo
Misc : Water Multiplr: 5.00
IntFile : events.e
Quant Time: Sep 23 13:12 2021 Quant Results File: DOC0830.RES

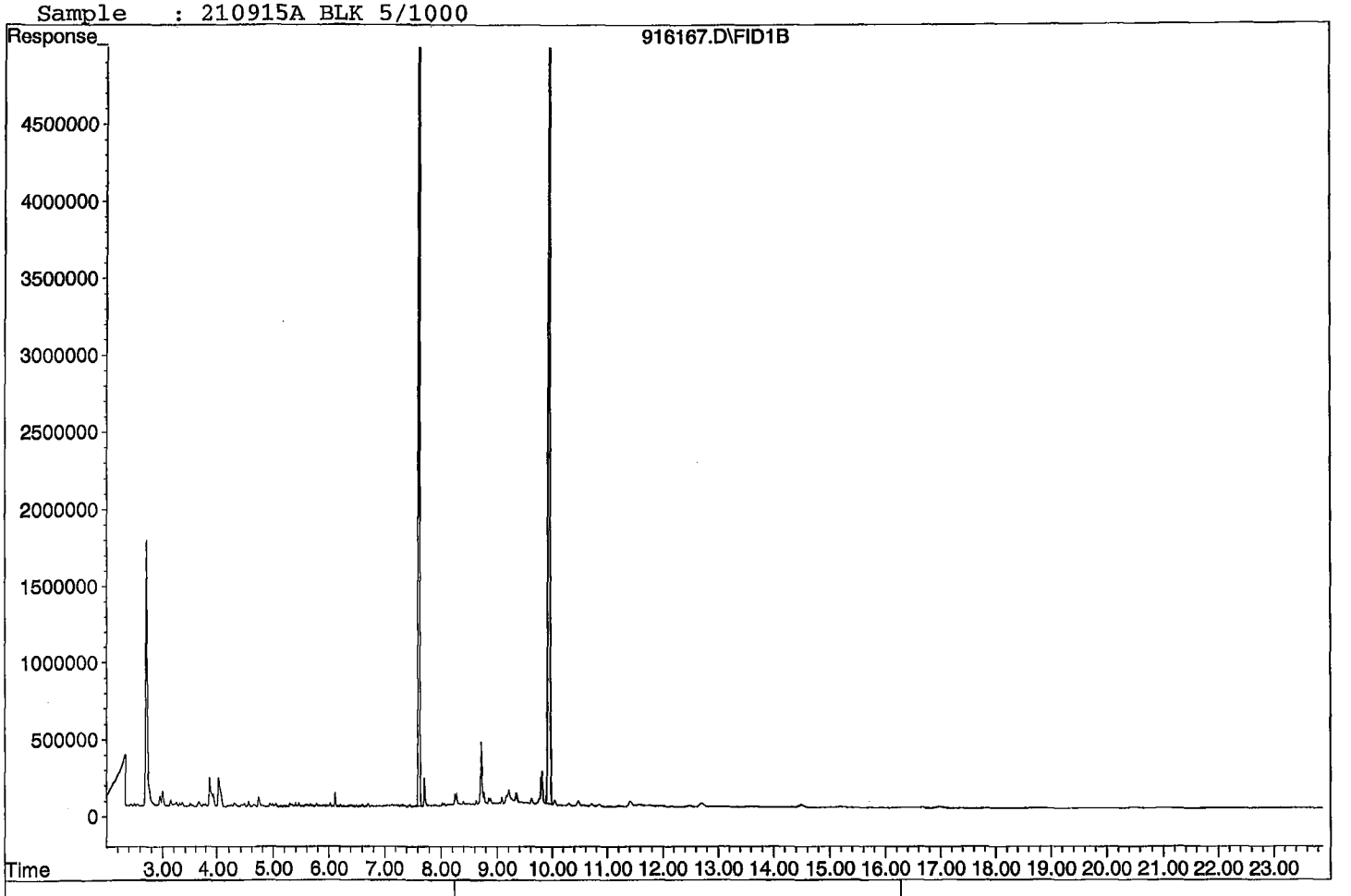
Method : G:\APOLLO\DATA\210928\DOC0830.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Sep 30 12:32:14 2021
Response via : Multiple Level Calibration

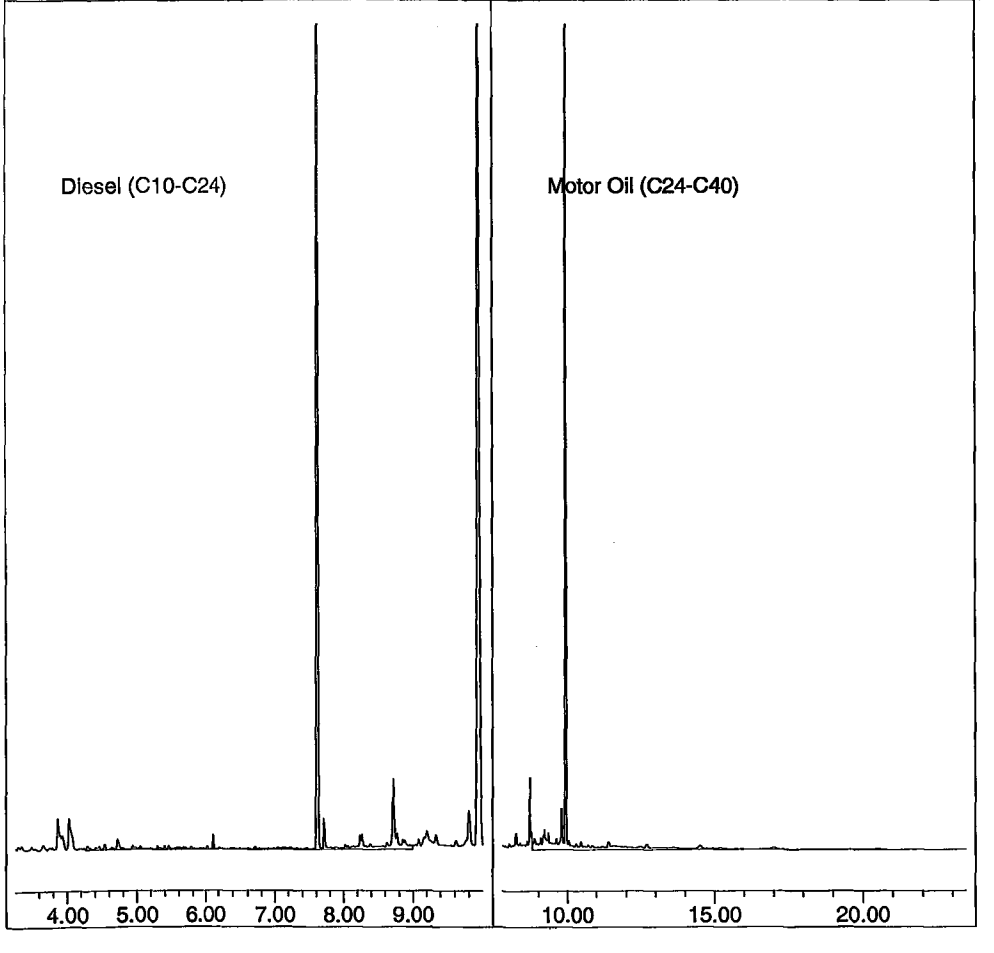
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.62	138732690	133.875 ppb
Surrogate Spike 150.000		Recovery =	89.25%
4) SA Octacosane(S)	9.94	125464568	162.825 ppb
Surrogate Spike 150.000		Recovery =	108.55%
Target Compounds			
1) HATM Diesel (C10-C24)	6.63	42162545	52.192 ppb
2) HBTM Motor Oil (C24-C40)	15.62	98757896	126.530 ppb
Target Compounds			

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

Data File: G:\APOLLO\DATA\210916\916167.D
Sample : 210915A BLK 5/1000





Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\210916\916168.D Vial: 68
Acq On : 9-20-21 17:35:30 Operator: KA
Sample : 210915A LCS-1 5/1000 Inst : Apollo
Misc : Water Multiplr: 5.00
IntFile : events.e
Quant Time: Sep 23 13:12 2021 Quant Results File: DOC0830.RES

Method : G:\APOLLO\DATA\210928\DOC0830.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Sep 30 12:32:14 2021
Response via : Multiple Level Calibration

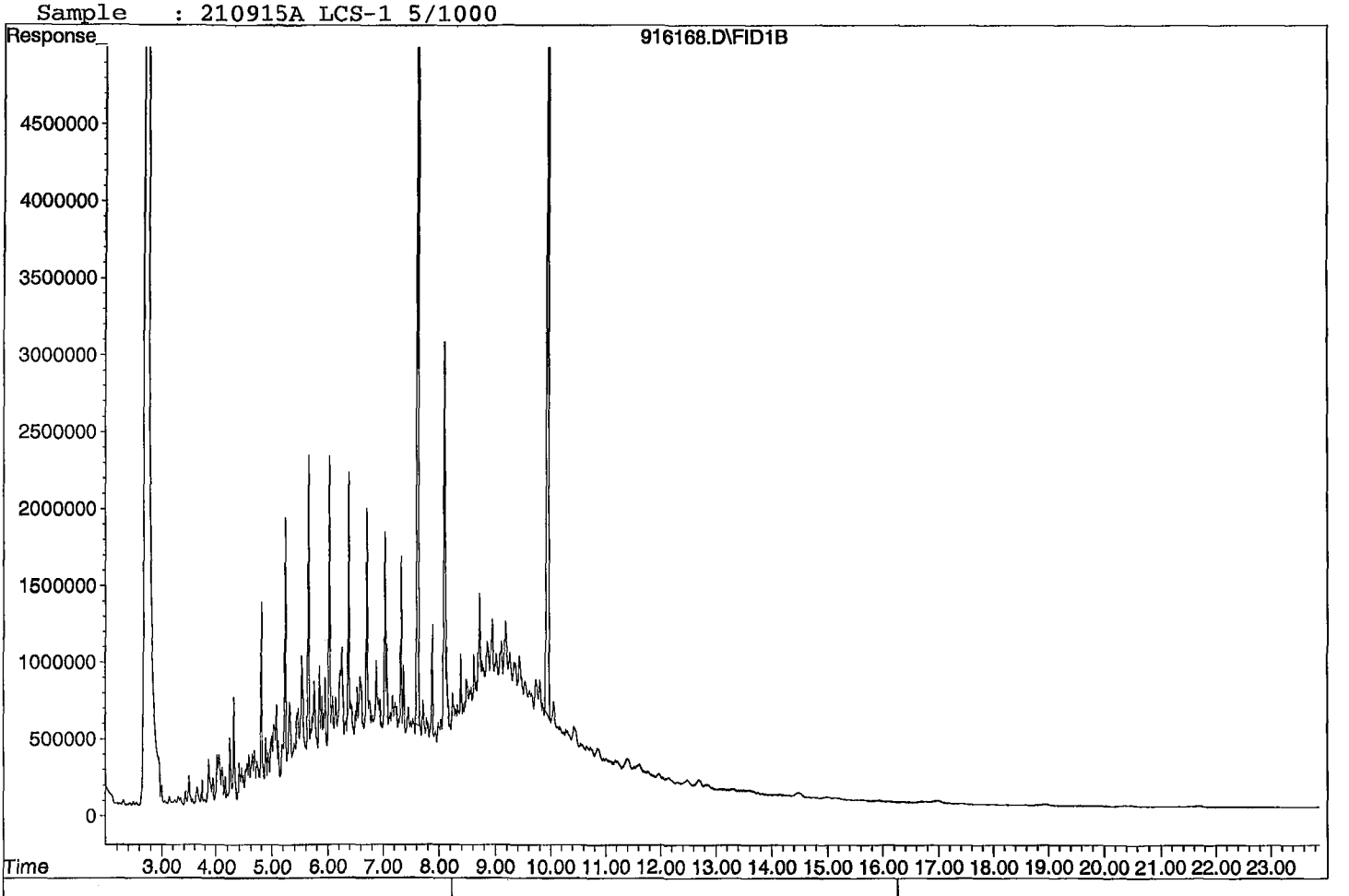
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

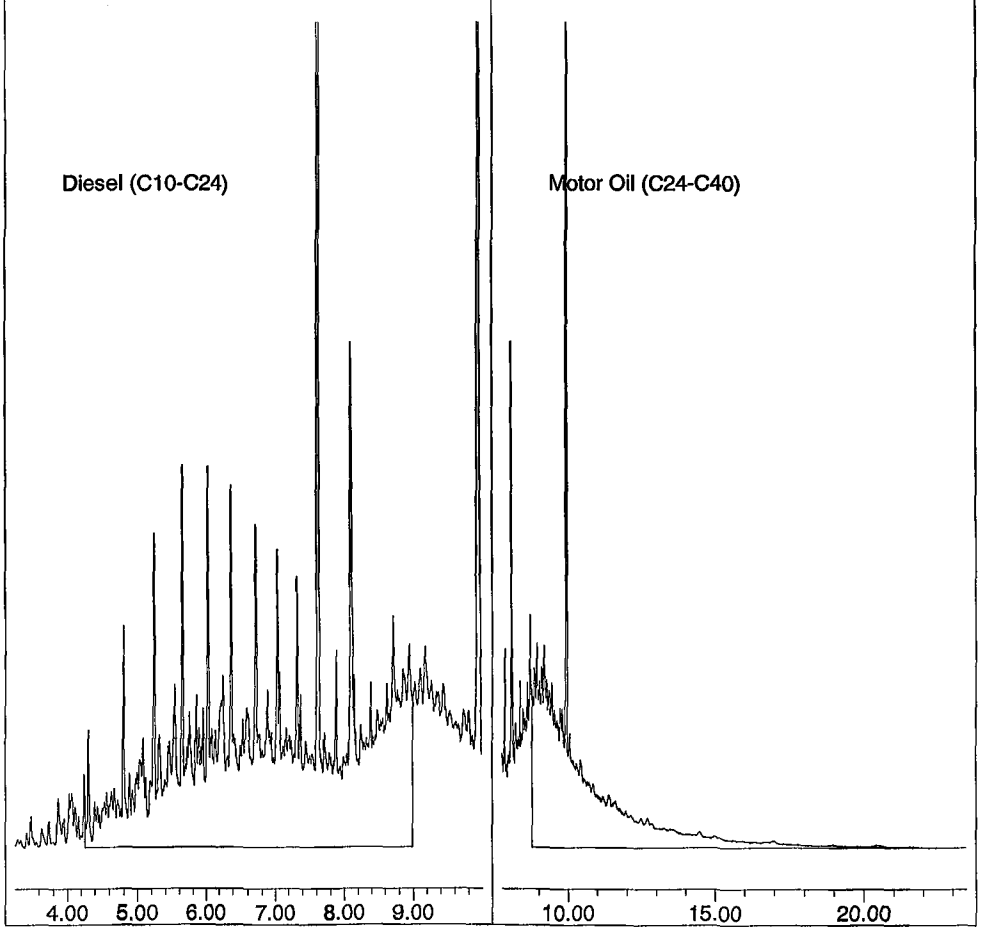
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.62	160430696	154.813 ppb
Surrogate Spike 150.000		Recovery =	103.21%
4) SA Octacosane(S)	9.94	130229337	169.008 ppb
Surrogate Spike 150.000		Recovery =	112.67%
Target Compounds			
1) HATM Diesel (C10-C24)	6.63	1733463968	2145.805 ppb
2) HBTM Motor Oil (C24-C40)	15.62	1316596166	2184.704 ppb

Target Compounds

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

Data File: G:\APOLLO\DATA\210916\916168.D
Sample : 210915A LCS-1 5/1000





Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\210916\916169.D Vial: 69
Acq On : 9-20-21 18:03:45 Operator: KA
Sample : 210915A LCSD-1 5/1000 Inst : Apollo
Misc : Water Multiplr: 5.00
IntFile : events.e
Quant Time: Sep 23 13:12 2021 Quant Results File: DOC0830.RES

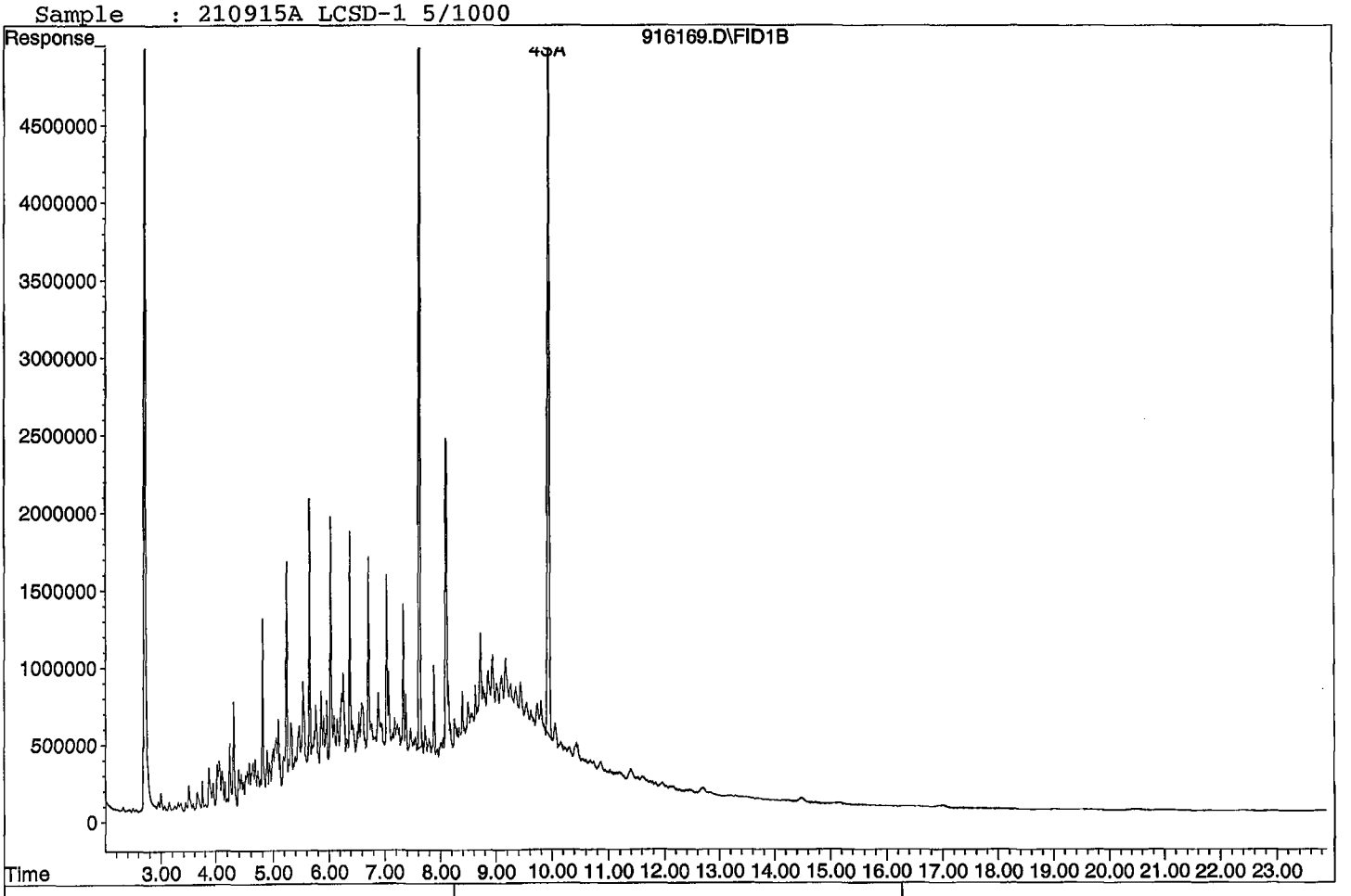
Method : G:\APOLLO\DATA\210928\DOC0830.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Sep 30 12:32:14 2021
Response via : Multiple Level Calibration

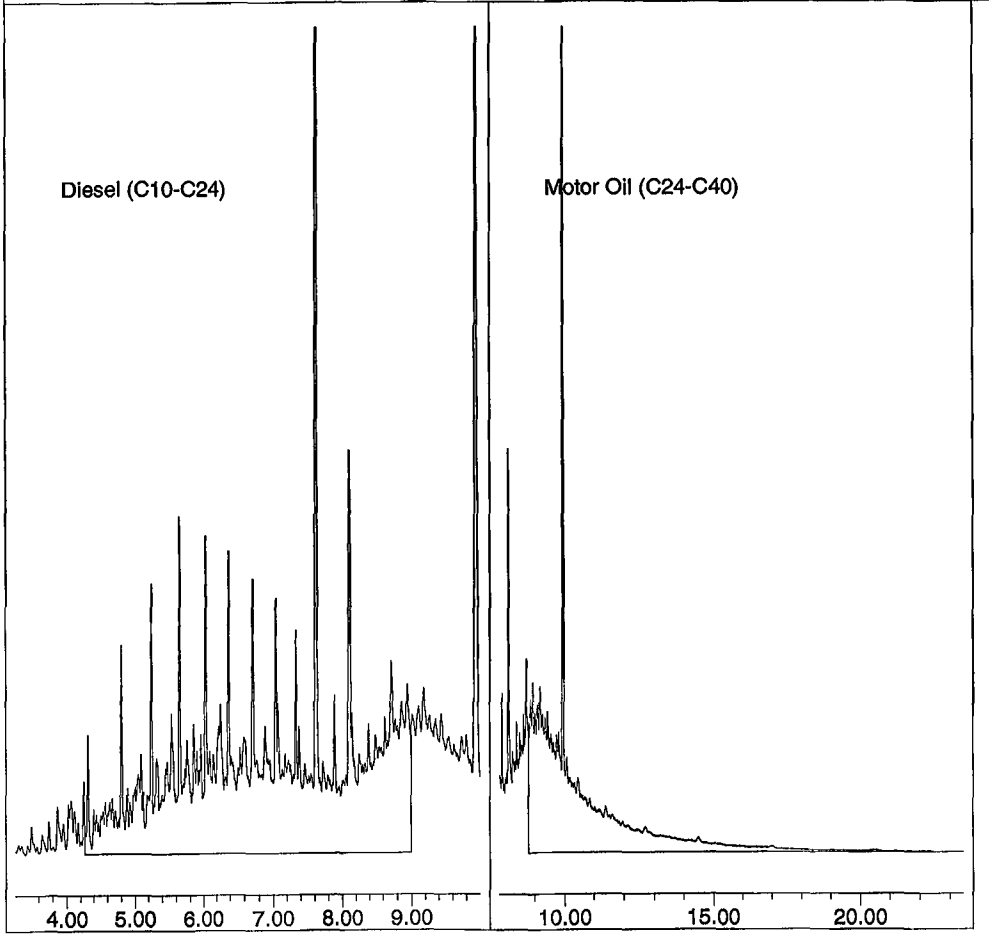
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.62	135004224	130.277 ppb
Surrogate Spike 150.000		Recovery =	86.85%
4) SA Octacosane(S)	9.94	107968255	140.118 ppb
Surrogate Spike 150.000		Recovery =	93.41%
Target Compounds			
1) HATM Diesel (C10-C24)	6.63	1467489563	1816.563 ppb
2) HBTM Motor Oil (C24-C40)	15.62	1105503393	1827.952 ppb
Target Compounds			

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

Data File: G:\APOLLO\DATA\210916\916169.D
Sample : 210915A LCSD-1 5/1000





Diesel / Motor Oil Calibration Curve

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

Prepared By (Initials): KA

Methylene Chloride
Lot No. 60338

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

Diesel / Motor Oil Second Source

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

Prepared By (Initials): SS

Methylene Chloride Lot No. 58059

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

Diesel Motor Oil Mix

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

Expires: 9/3/2022

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

THC Surrogate

Prepared: 9/10/2021 **KA**

Expires: 9/10/2022

Initial Standard Information							Final Standard			
Name of Initial Standard (QAU Label)	Supplier	Supplier Part No.	Conc. (ug/mL)	Lot Number - QA Number	Exp. Date (1 yr.)	Exp. Date (Manufacturer)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/mL)
O-terphenyl / Octacosane Mix	Phenova	ALO-130161	600	**CL15440-50953**	**9/10/2022**	**6/30/2025**	N/A	N/A	N/A	600

Diesel / Motor Oil CCV

Prepared: 9/17/2021
Expires: 9/17/2022

Prepared By (Initials): KA

Methylene Chloride Lot No. 61117

Standard							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	Exp. Date (Manufacturer)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/mL)
Diesel / Motor Oil STD	Restek	Diesel / Motor Oil CCV	2,000	**Perp'd: 9/17/21 A0164485-52822, A0168842-52820, CL16893-52844**	**9/17/2022**	**10/31/2027 03/31/2028 5/31/2026**	1250uL	10mL	MC	250

_LIQ005SGC

Organic Extraction Worksheet

Method	Continuous Liq/Liq TPH- 3520C w/SGC	Extraction Set	210915A	Extraction Method	LIQ005SGC	Units	mL

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

pH1	2		Water Bath Temp 1 °C	
pH2			Water Bath Temp 2 °C	
pH3			Water Bath Temp 3 °C	

Spiked By: **Date** **Witnessed By:** **Date**

	Sample	Sample Container	Spike Amount	Spike ID	Surrogate Amount	Surrogate ID	Extract Amount	Final Volume	pH	Extract Date/Time	Comments
1	210915A Blk		0.050	2	0.250	1 equip	1000	5	2	09/15/21 15:30	*
2	210915A LCS-1		0.080,0.050	1,2	0.250	1 equip	1000	5	2	09/15/21 15:30	*
3	210915A LCSD-1		0.080,0.050	1,2	0.250	1 equip	1000	5	2	09/15/21 15:30	*
4	BA40209	BA40209W08	0.050	2	0.250	1 equip	1000	5	2	09/15/21 15:30	97466 *
5	BA40211	BA40211W07	0.050	2	0.250	1 equip	1000	5	2	09/15/21 15:30	97466 *
6	BA40213	BA40213W08	0.050	2	0.250	1 equip	1000	5	2	09/15/21 15:30	97466 *
7	BA40215	BA40215W08	0.050	2	0.250	1 equip	1020	5	2	09/15/21 15:30	97466 *
8	BA40216	BA40216W08	0.050	2	0.250	1 equip	1030	5	2	09/15/21 15:30	97466 *

Solvent and Lot#	
1+1 HCL (5mLs)	60282
PH Strips	HC1555968
Dichloromethane (DCM)	61117
Filter Paper	400181
Sodium Sulfate	17B155209
SILICA GEL (*)	.

Extraction COC Transfer	
Extraction lab employee Initials	
GC analyst's initials	CA
Date	9/18/21
Time	15:09
Refrigerator	Hobart

	Technician's Initials
Scanned By	
Sample Preparation	
Extraction	
Concentration	

Modified	9/16/2021 7:20:13 AM

Reviewed By: **Date**

Injection Log

Directory: G:\APOLLO\DATA\210830\

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	4	830004.D	1	DMO STD Curve 1	water	8-30-21 14:23:31
2	5	830005.D	1	DMO STD Curve 2	water	8-30-21 14:52:00
3	6	830006.D	1	DMO STD Curve 3	water	8-30-21 15:20:31
4	7	830007.D	1	DMO STD Curve 4	water	8-30-21 15:48:59
5	8	830008.D	1	DMO STD Curve 5	water	8-30-21 16:17:29
6	9	830009.D	1	DMO STD Curve 6	water	8-30-21 16:45:57
7	10	830010.D	1	DMO STD Curve 7	water	8-30-21 17:14:26
8	11	830011.D	1	DMO Second Source	water	8-30-21 17:43:02
9	66	916166.D	1	Diesel Motor Oil CCV 9/17/21	Water	9-20-21 16:38:54
10	67	916167.D	5	210915A BLK 5/1000	Water	9-20-21 17:07:12
11	68	916168.D	5	210915A LCS-1 5/1000	Water	9-20-21 17:35:30
12	69	916169.D	5	210915A LCSD-1 5/1000	Water	9-20-21 18:03:45
13	70	916170.D	5	BA40209W08 5/1000	Water	9-20-21 18:32:06
14	71	916171.D	5	BA40211W07 5/1000	Water	9-20-21 19:00:22
15	72	916172.D	5	BA40213W08 5/1000	Water	9-20-21 19:28:41
16	73	916173.D	4.90196	BA40215W08 5/1020	Water	9-20-21 19:56:57
17	74	916174.D	4.85437	BA40216W08 5/1030	Water	9-20-21 20:25:23
18	83	916183.D	1	Diesel Motor Oil CCV 9/17/21	Water	9-21-21 0:41:16

ORGANICS
Calibration Data

TPH Extractables
DOC0831

Form 6
Initial Calibration

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

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

Quantitation Report (Not Reviewed)

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

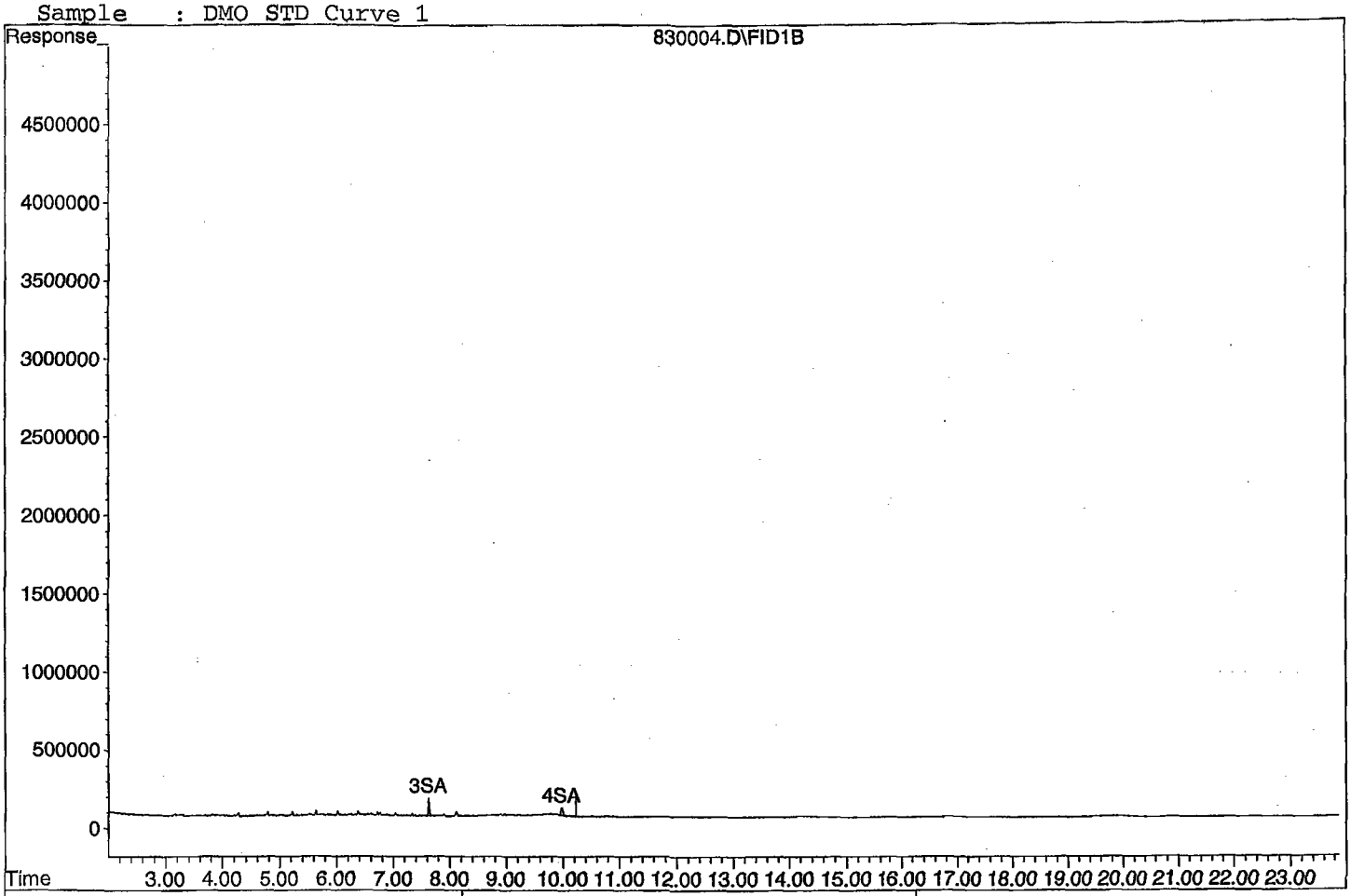
Method : G:\APOLLO\DATA\210830\DOC0830.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Tue Aug 31 09:20:02 2021
Response via : Multiple Level Calibration

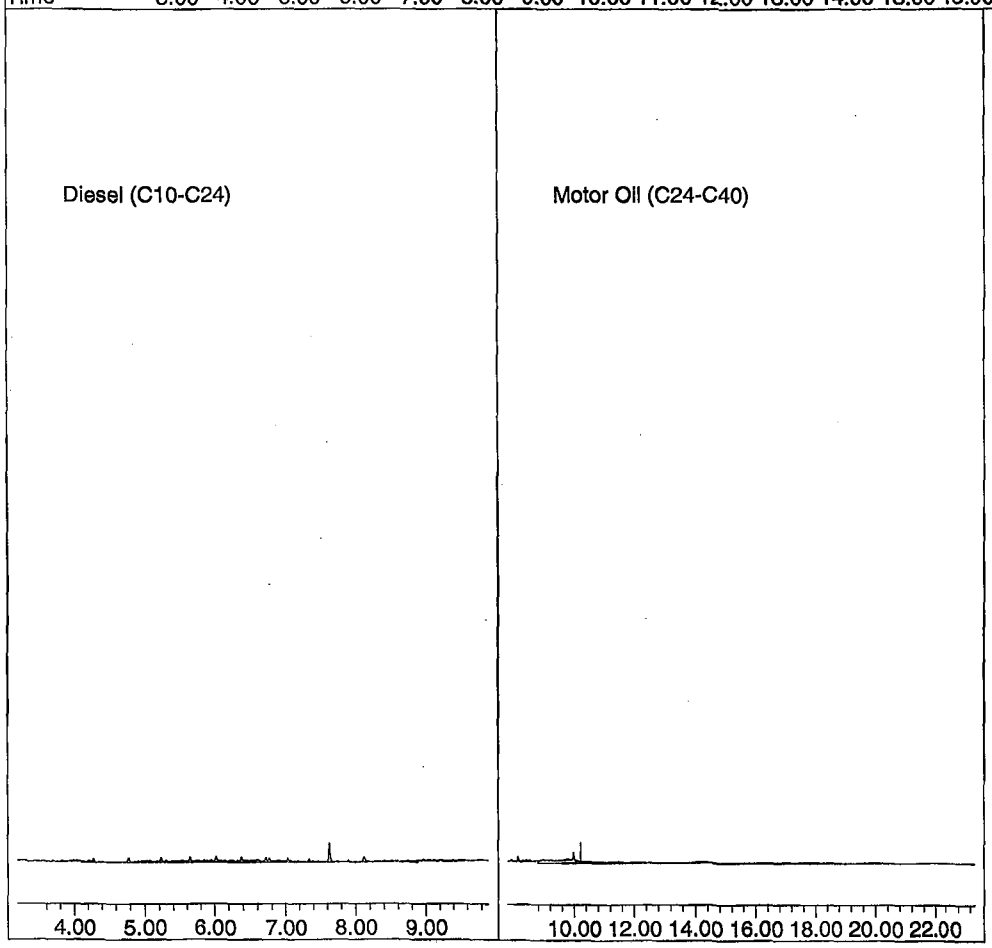
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

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

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

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





Quantitation Report (Not Reviewed)

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

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

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

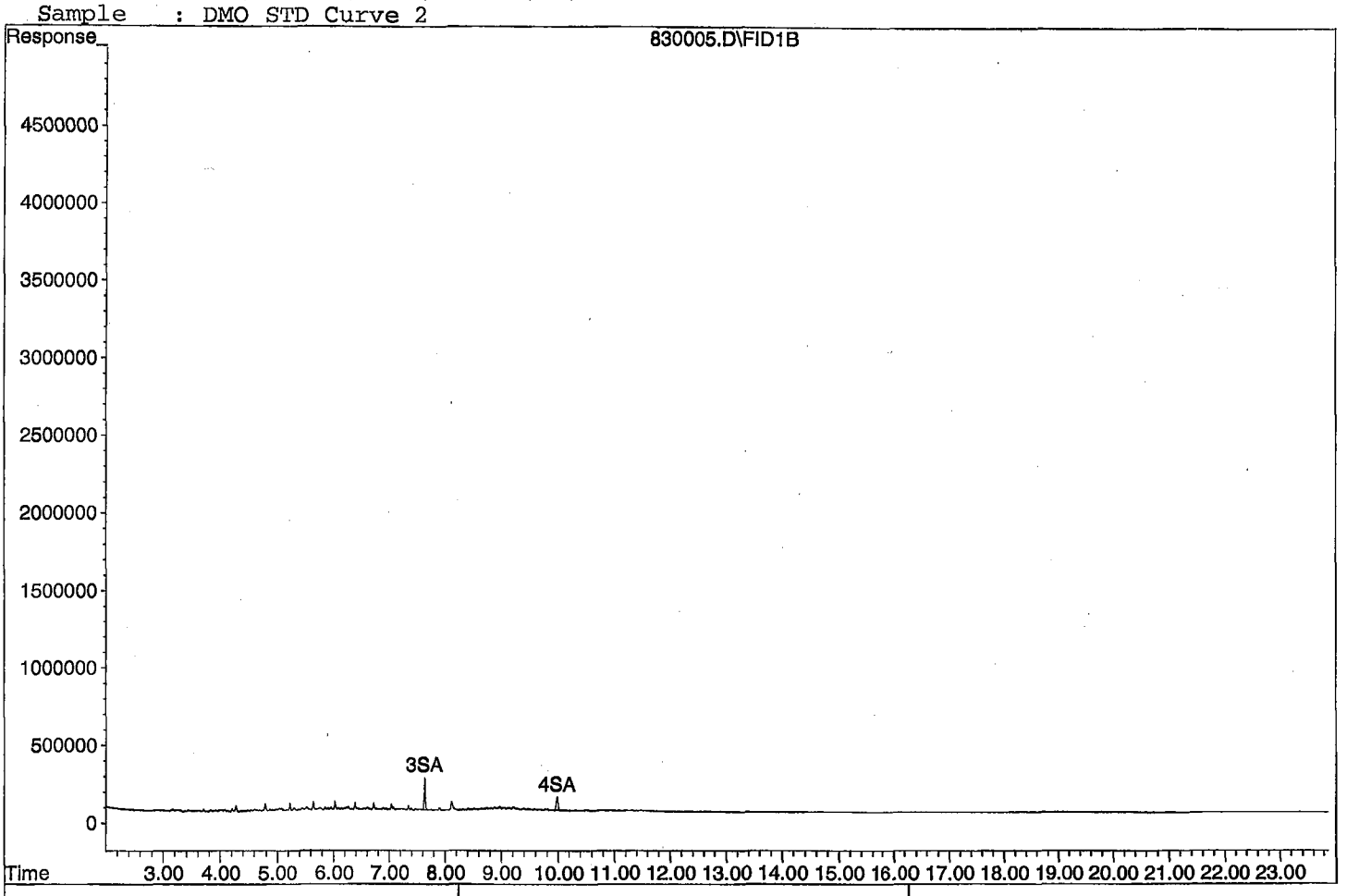
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.63	2657484	0.513 ppb
Surrogate Spike 30.000	Recovery =		1.71%
4) SA Octacosane(S)	9.98	1874119	0.486 ppb
Surrogate Spike 30.000	Recovery =		1.62%
Target Compounds			
1) HATM Diesel (C10-C24)	6.54	41930088	10.381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

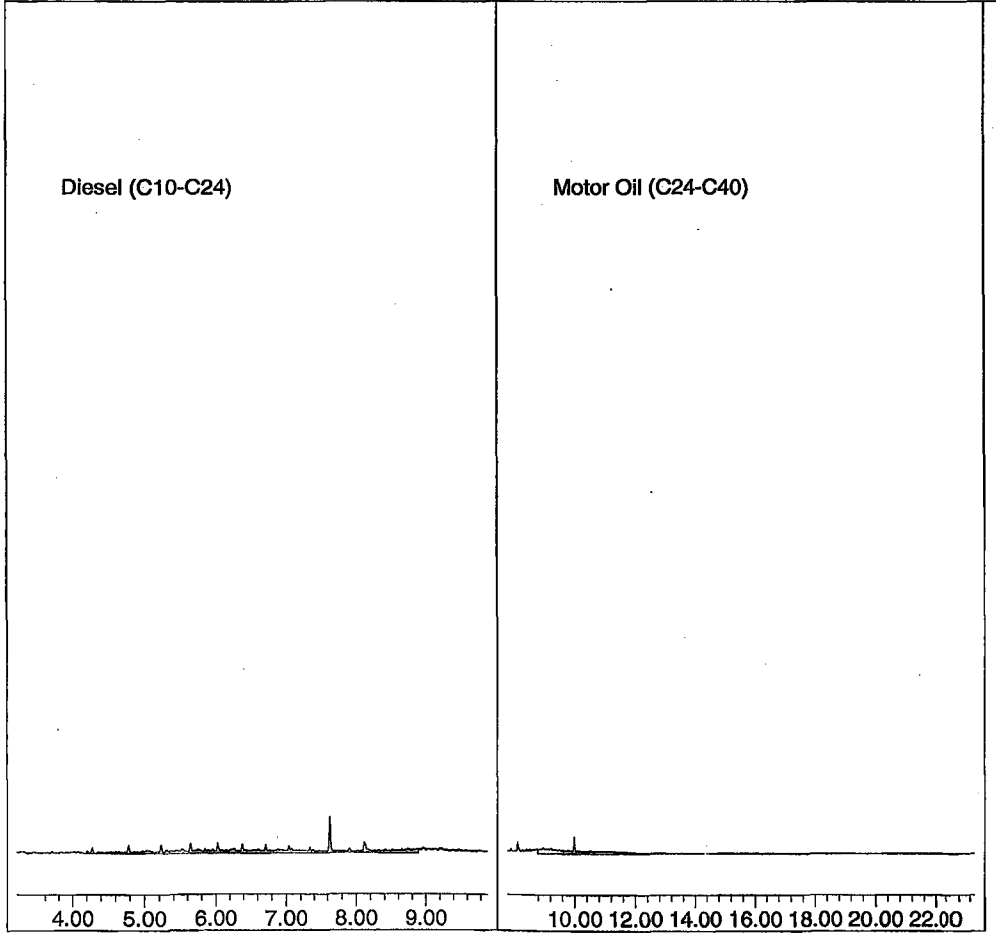
Target Compounds

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

Quantitation Report

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





Quantitation Report (Not Reviewed)

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

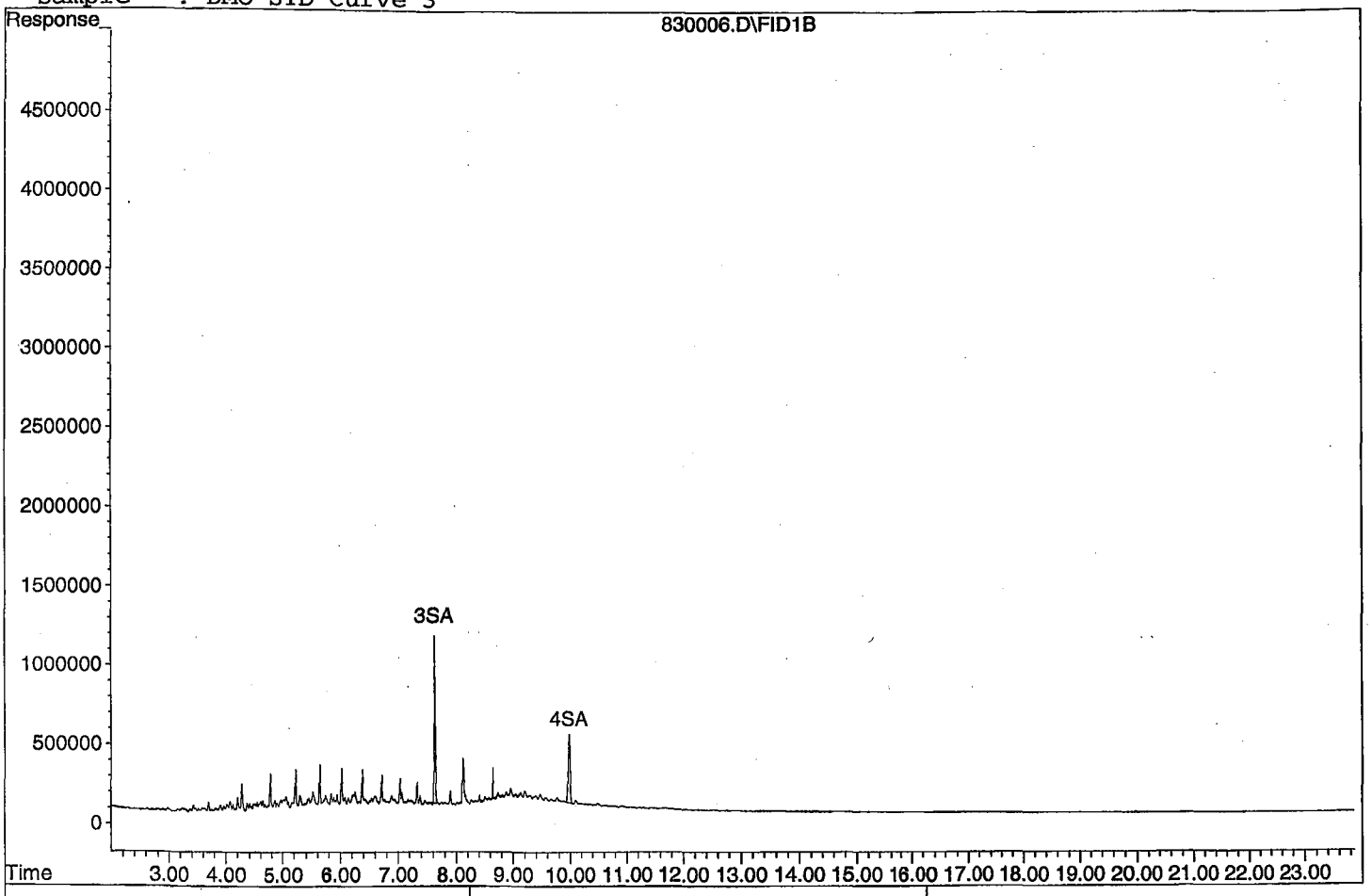
Method : G:\APOLLO\DATA\210830\DOC0830.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Tue Aug 31 09:20:02 2021
Response via : Multiple Level Calibration

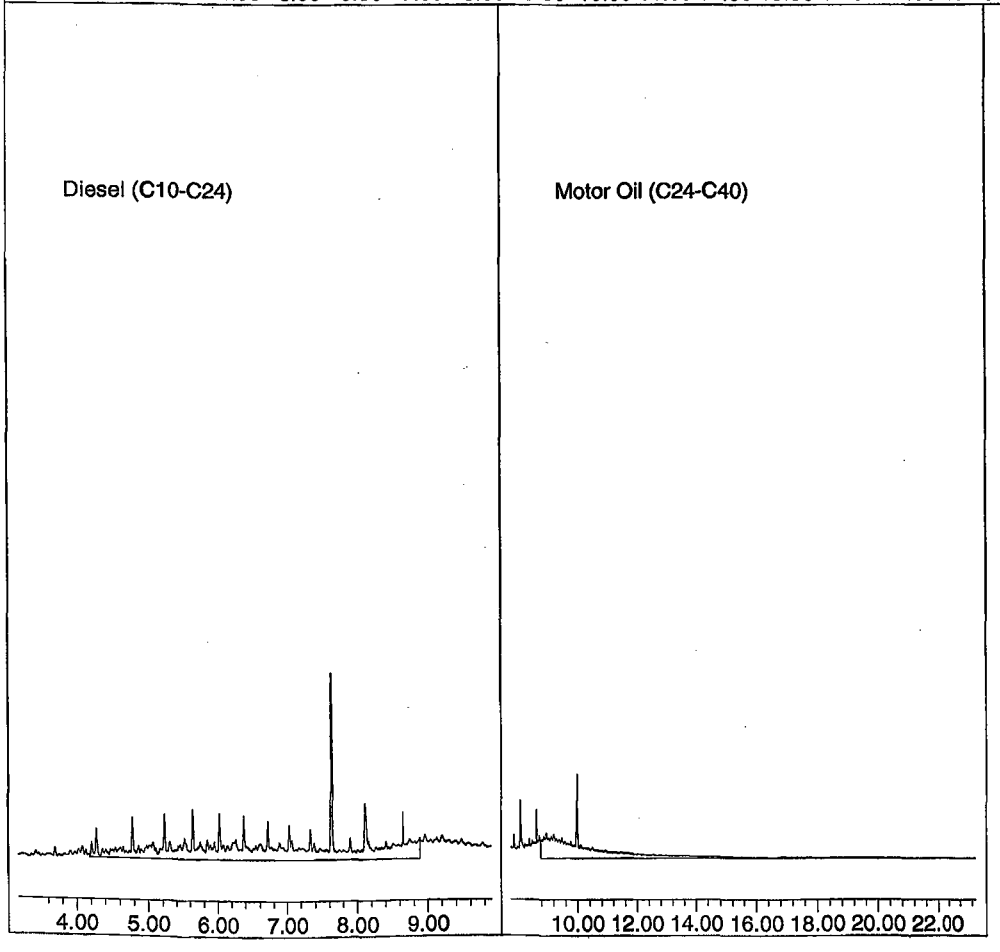
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

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

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

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





Quantitation Report (Not Reviewed)

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

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

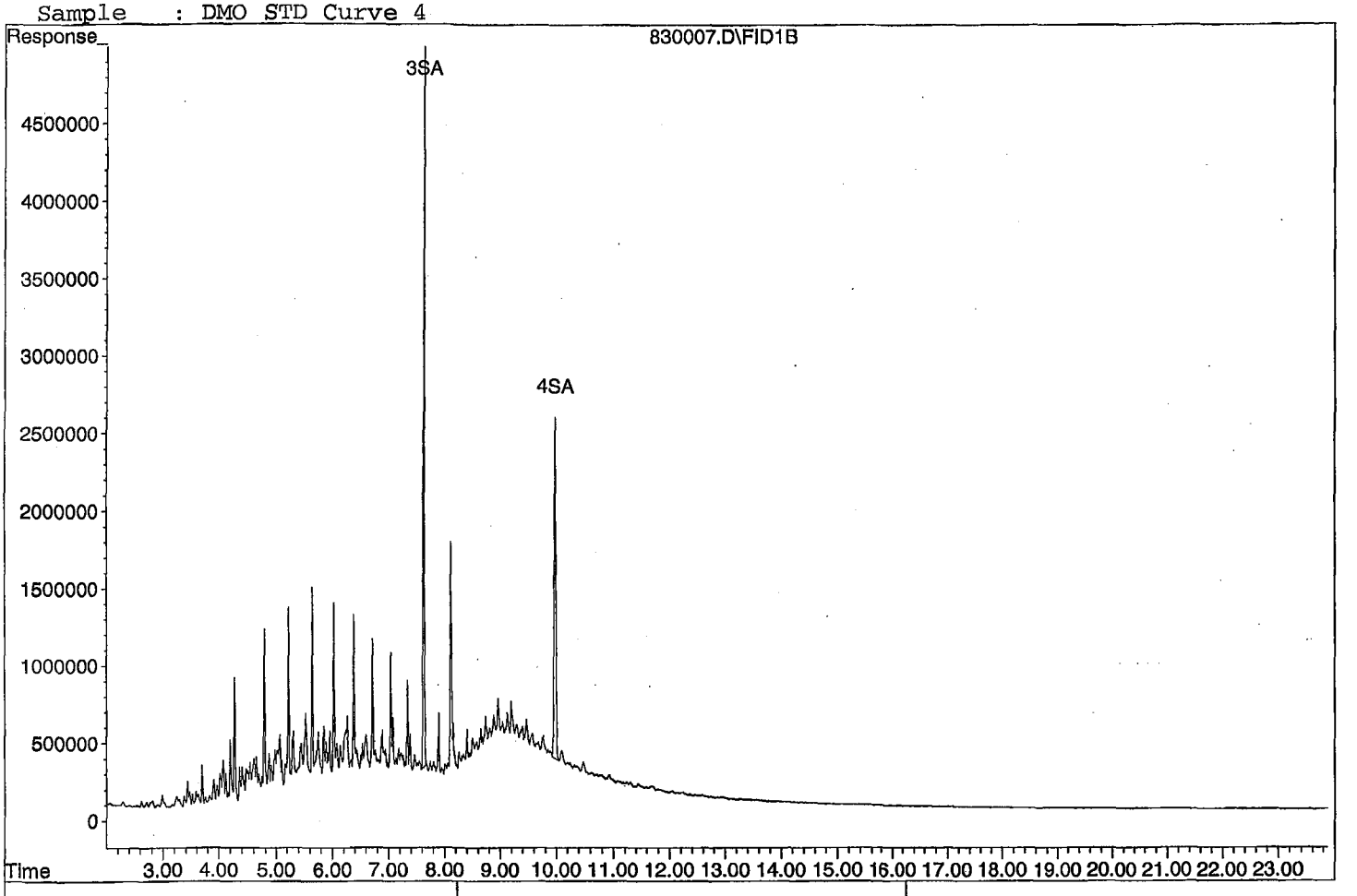
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

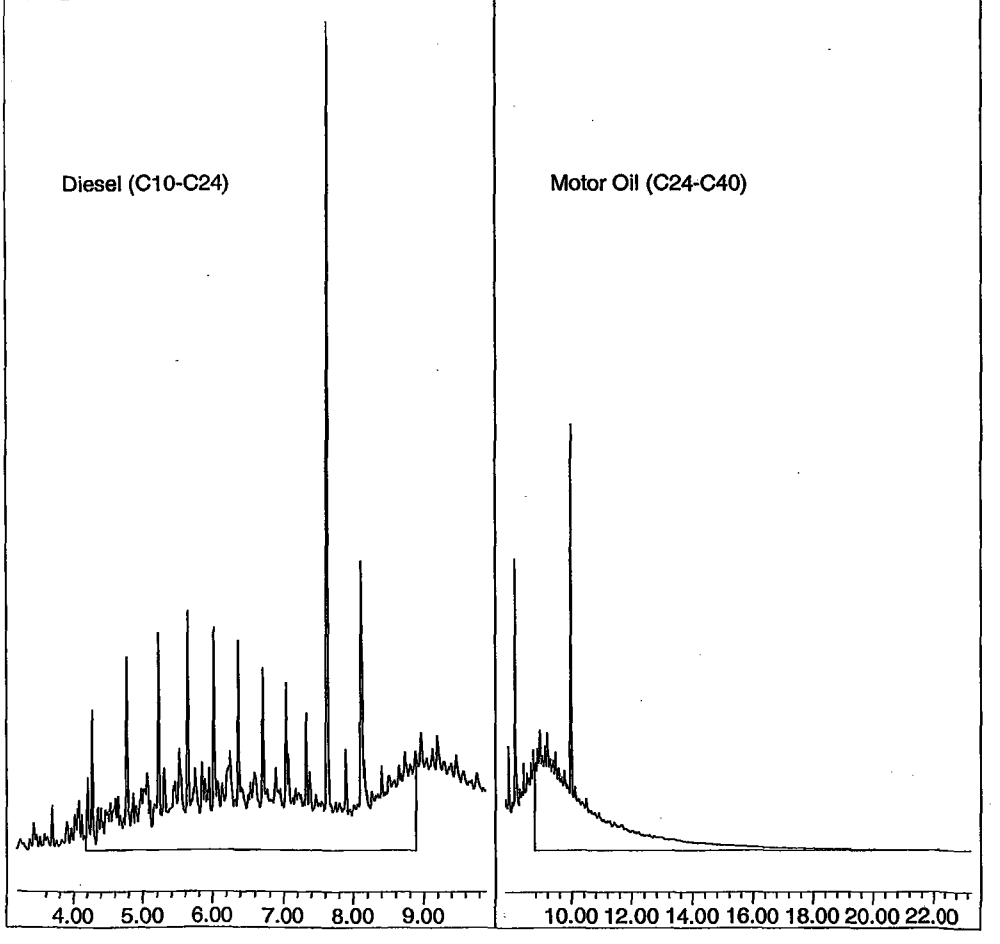
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.63	63496153	12.255 ppb
Surrogate Spike 30.000	Recovery =		40.85%
4) SA Octacosane(S)	9.98	47916187	12.437 ppb
Surrogate Spike 30.000	Recovery =		41.46%
Target Compounds			
1) HATM Diesel (C10-C24)	6.54	977286267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

Target Compounds

(f)=RT Delta > 1/2 Window (m)=manual int.
830007.D DOC0830.M Wed Sep 08 12:56:18 2021 Page 1

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





Quantitation Report (Not Reviewed)

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

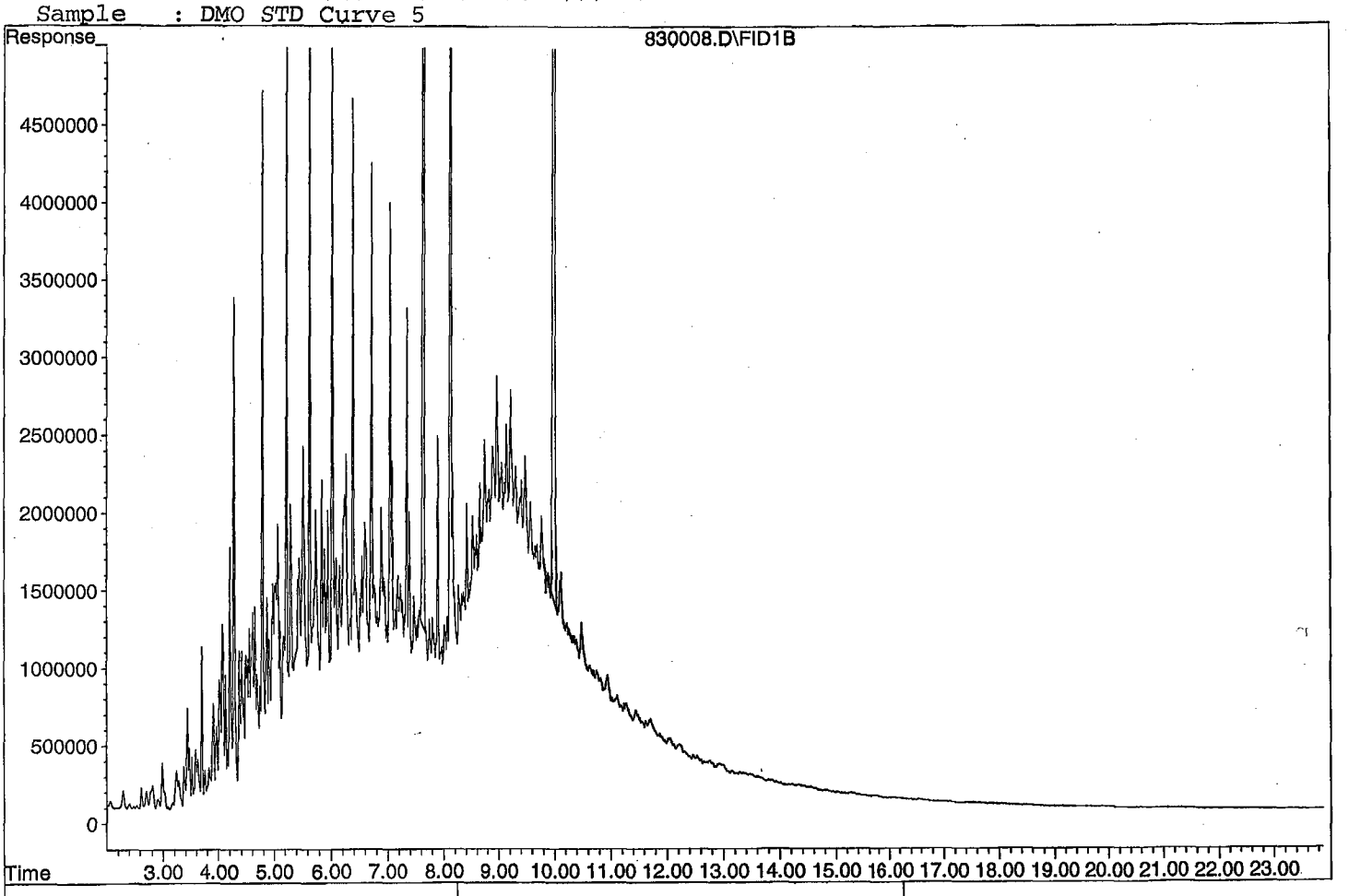
Method : G:\APOLLO\DATA\210830\DOC0830.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Tue Aug 31 09:20:02 2021
Response via : Multiple Level Calibration

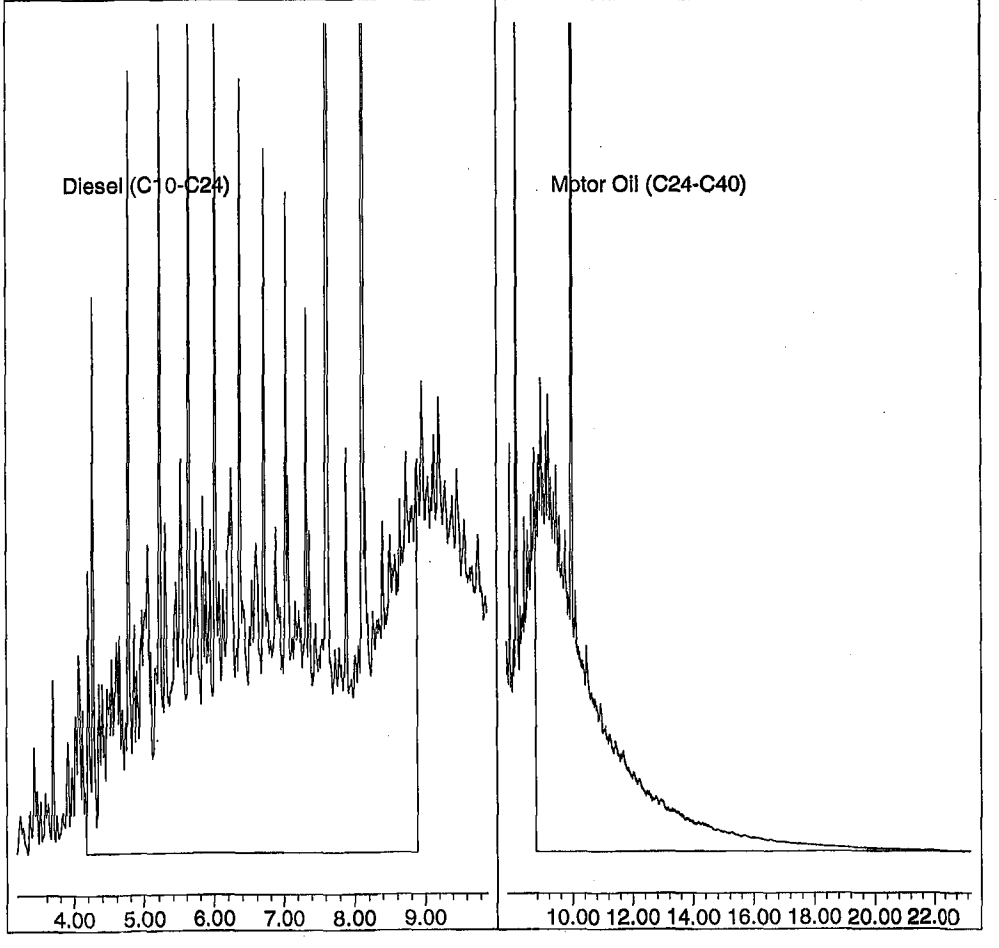
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

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

Target Compounds

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





Quantitation Report (Not Reviewed)

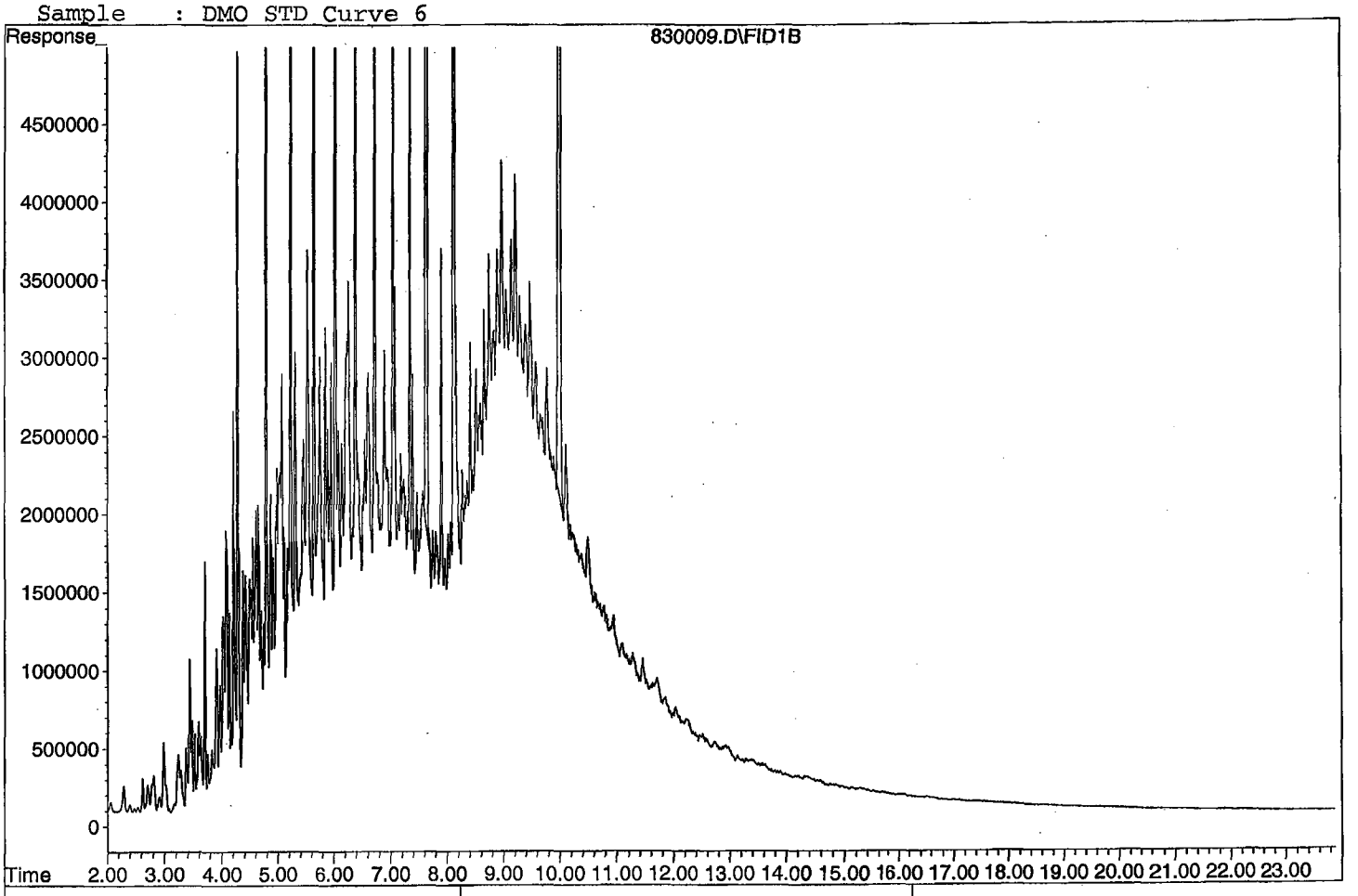
Data File : G:\APOLLO\DATA\210830\830009.D Vial: 9
Acq On : 8-30-21 16:45:57 Operator: KA
Sample : DMO STD Curve 6 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 8 12:55 2021 Quant Results File: DOC0830.RES

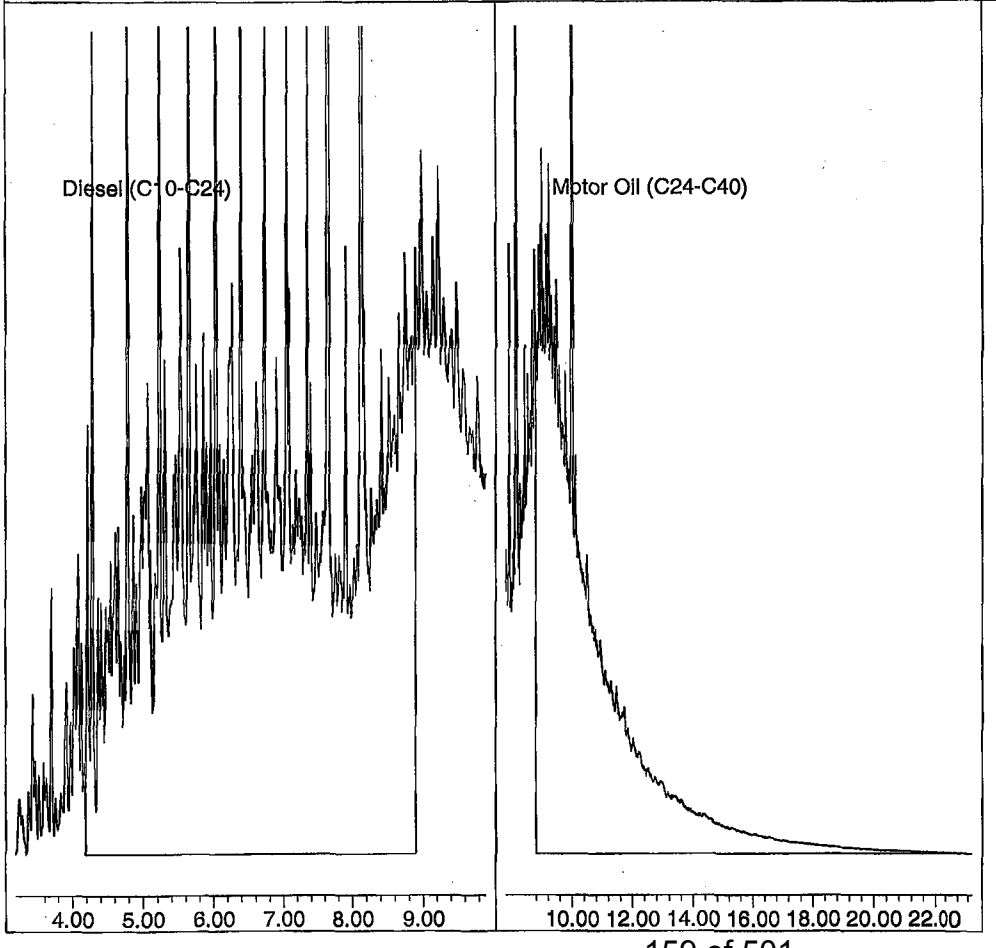
Method : G:\APOLLO\DATA\210830\DOC0830.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Tue Aug 31 09:20:02 2021
Response via : Multiple Level Calibration

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

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

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





Quantitation Report (Not Reviewed)

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

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

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

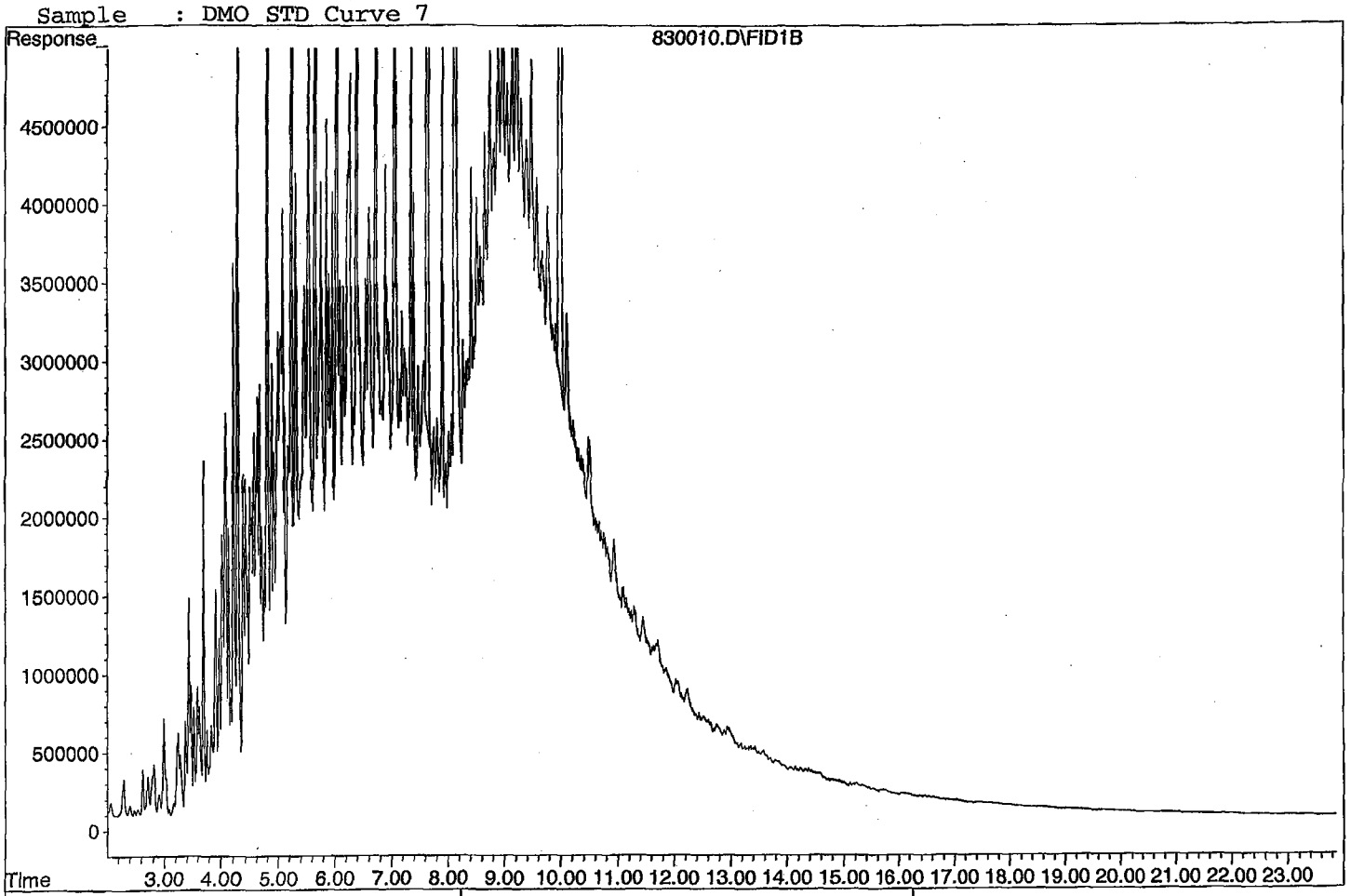
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.64	513272150	99.060 ppb
Surrogate Spike 30.000		Recovery =	330.20%
4) SA Octacosane(S)	10.00	385350648	100.020 ppb
Surrogate Spike 30.000		Recovery =	333.40%
Target Compounds			
1) HATM Diesel (C10-C24)	6.54	8322428096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

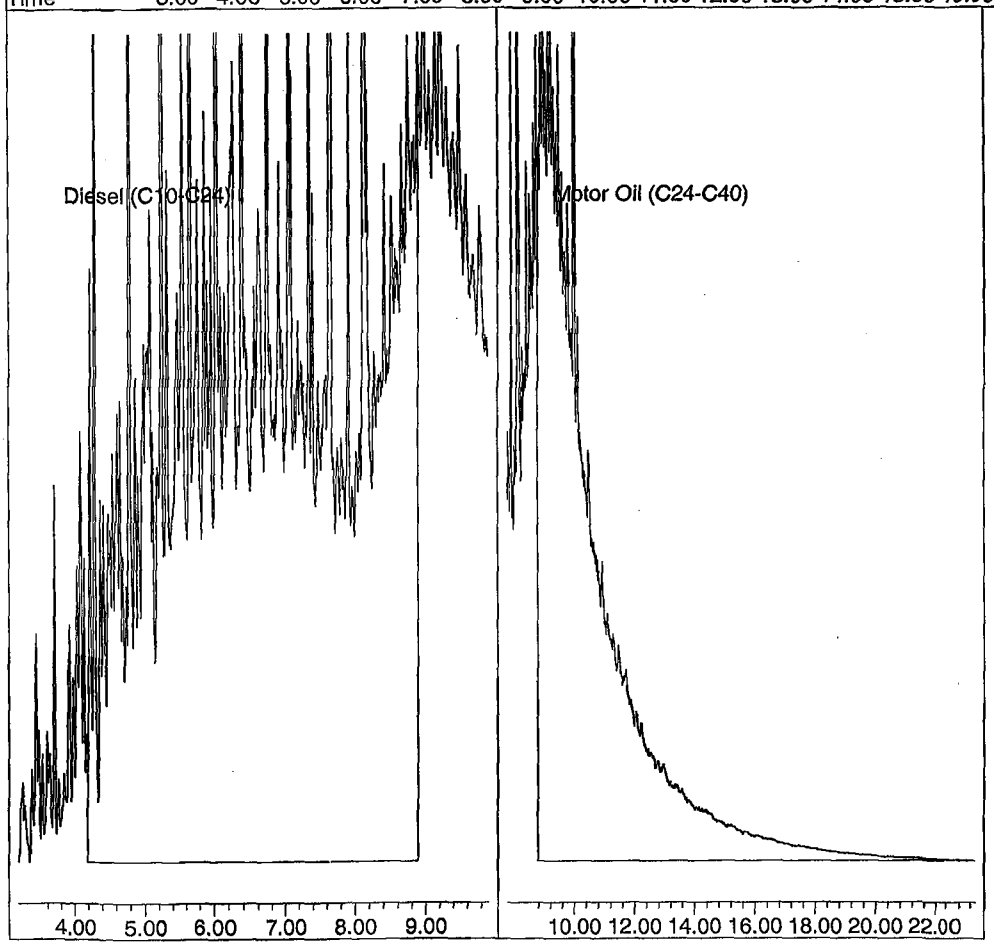
Target Compounds

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

Quantitation Report

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





TPH Extractables
DOC0831

Form 7

Second Source Calibration

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

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

		Compound	MEAN	CCRF	%D		%Drift
1	HATM	Diesel (C10-C24)	2019600	2221630	10	HATM	
2	HBTM	Motor Oil (C24-C40)	2035830	1633780	20	HBTML	7.2
3							
4							
5							
6							
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8							
9							
10							
11							
12							
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37							
38							
39							
40							
		Average			15.0		

Quantitation Report (Not Reviewed)

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

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

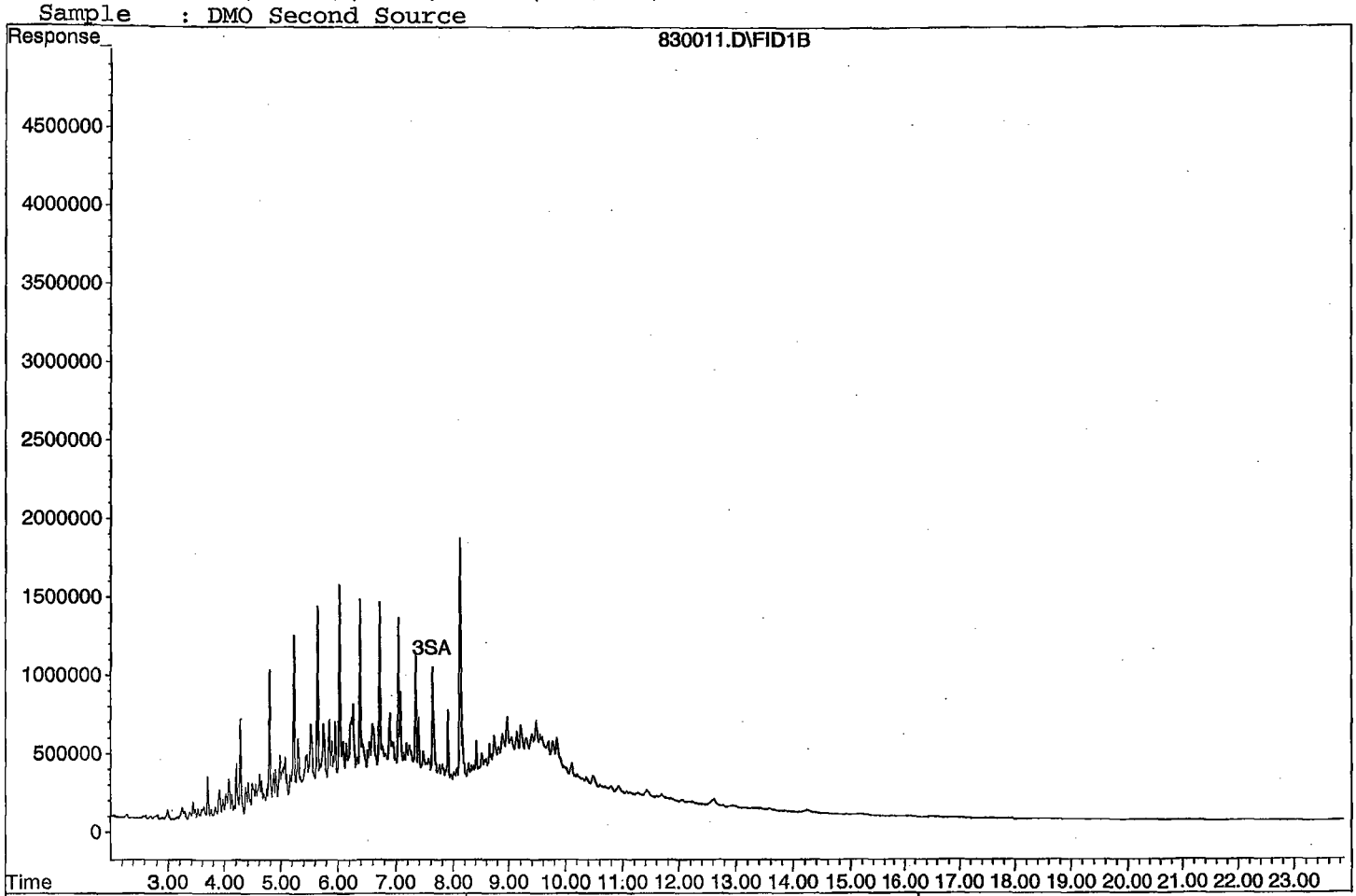
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

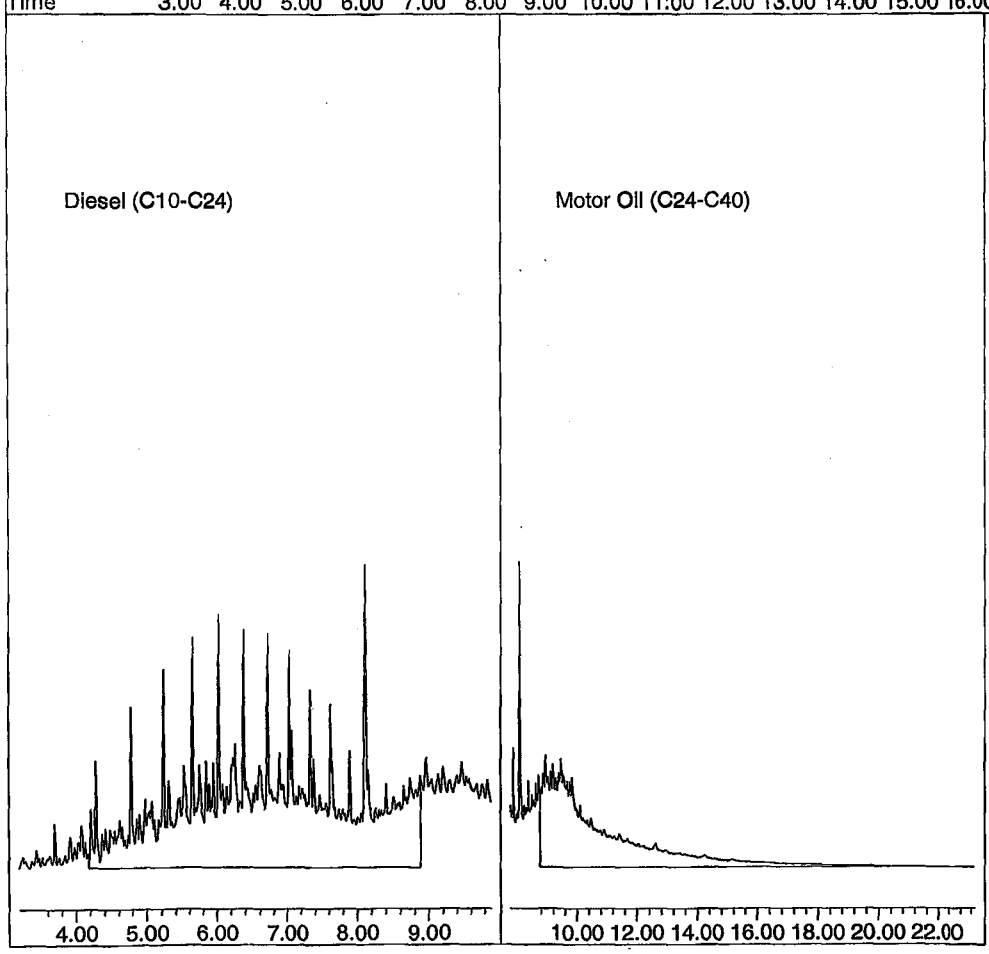
Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
3) SA Ortho-Terphenyl(S)	7.62	4475122	0.864	ppb
Surrogate Spike 30.000	Recovery =		2.88%	
4) SA Octacosane(S)	9.98	-56148	N.D.	ppb
Surrogate Spike 30.000	Recovery =		0.00%	
Target Compounds				
1) HATM Diesel (C10-C24)	6.54	1110816428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

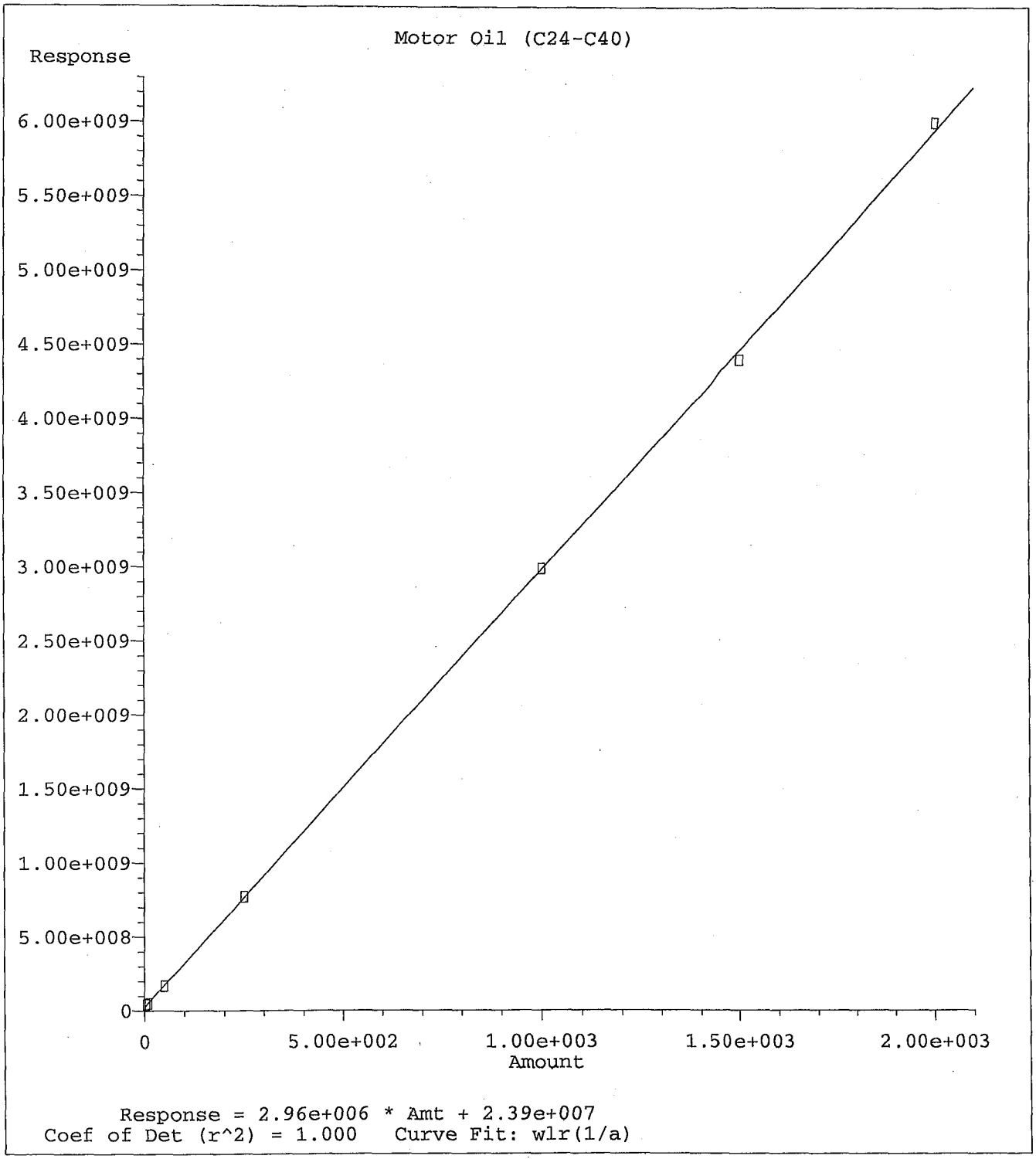
Target Compounds

(f)=RT Delta > 1/2 Window (m)=manual int.
830011.D DOC0830.M Wed Sep 08 12:56:26 2021 Page 1

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







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

TPH Extractables
DEC0911

Form 6
Initial Calibration

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

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

Quantitation Report (Not Reviewed)

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

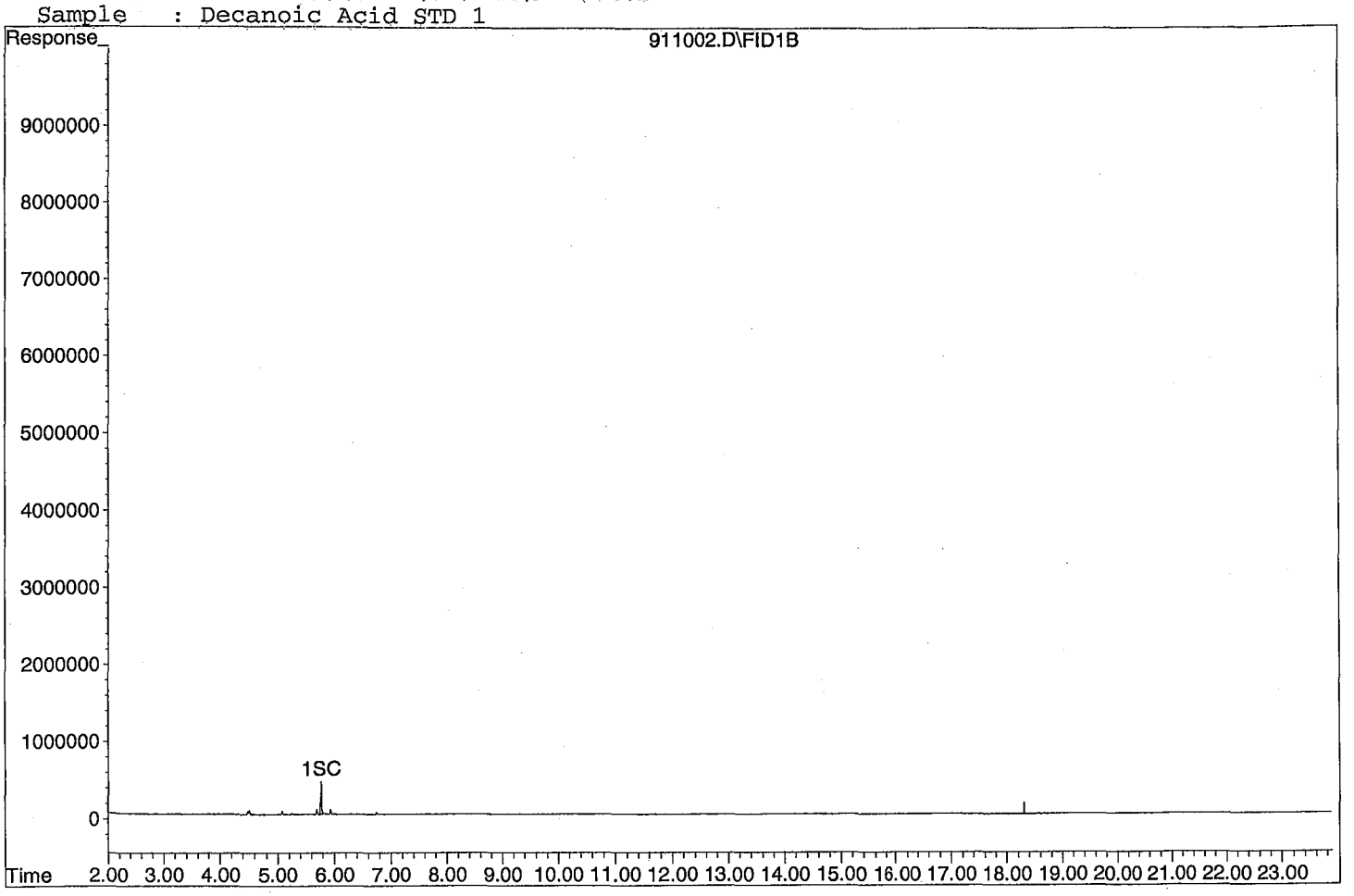
Method : G:\APOLLO\DATA\210808\DEC0911.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Mon Sep 13 09:30:16 2021
Response via : Multiple Level Calibration

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

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

Quantitation Report

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



Quantitation Report (Not Reviewed)

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

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

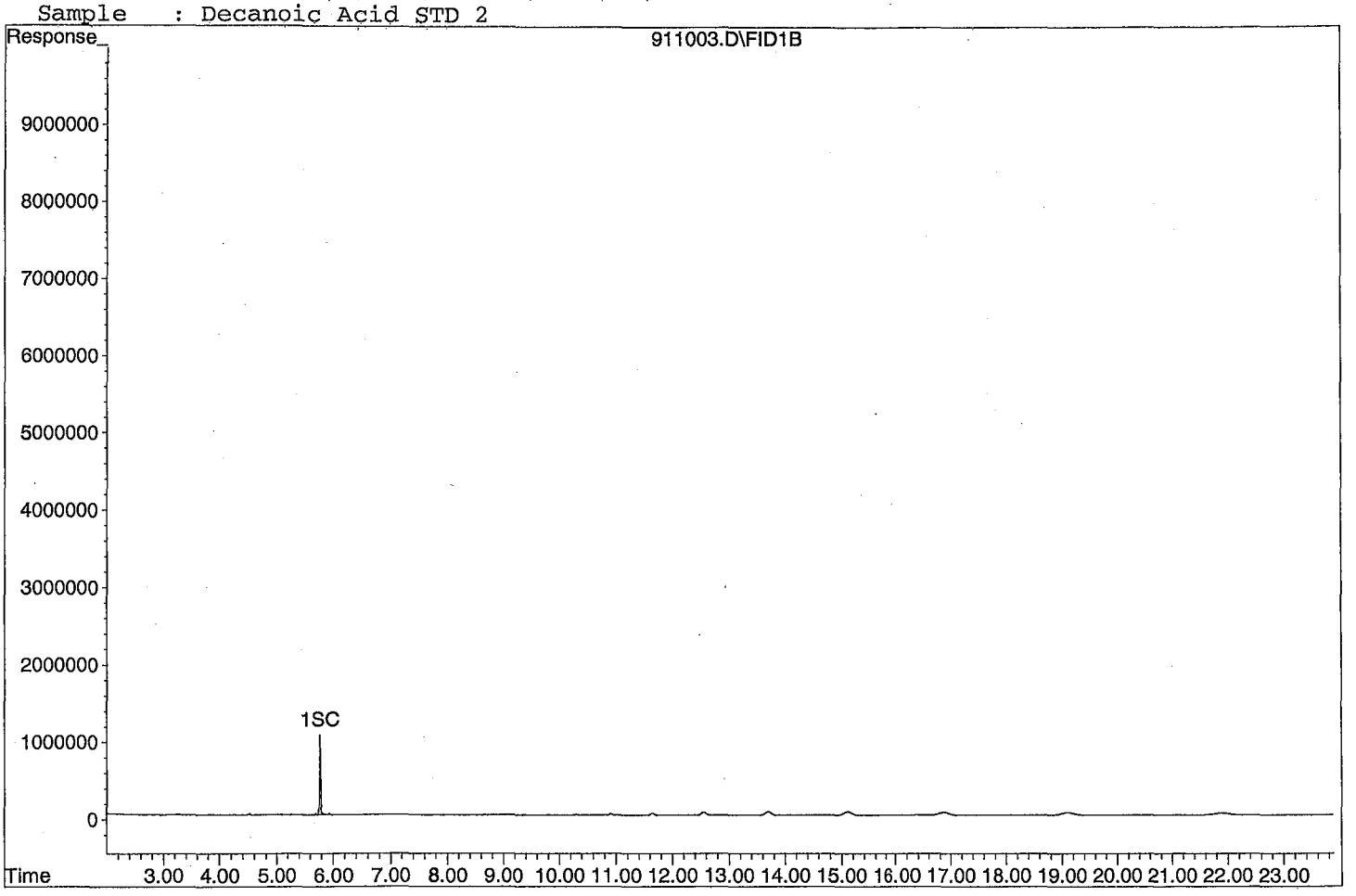
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

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

(f)=RT Delta > 1/2 Window (m)=manual int.
911003.D DEC0911.M Thu Sep 23 17:12:51 2021 Page 1

Quantitation Report

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



Quantitation Report (Not Reviewed)

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

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

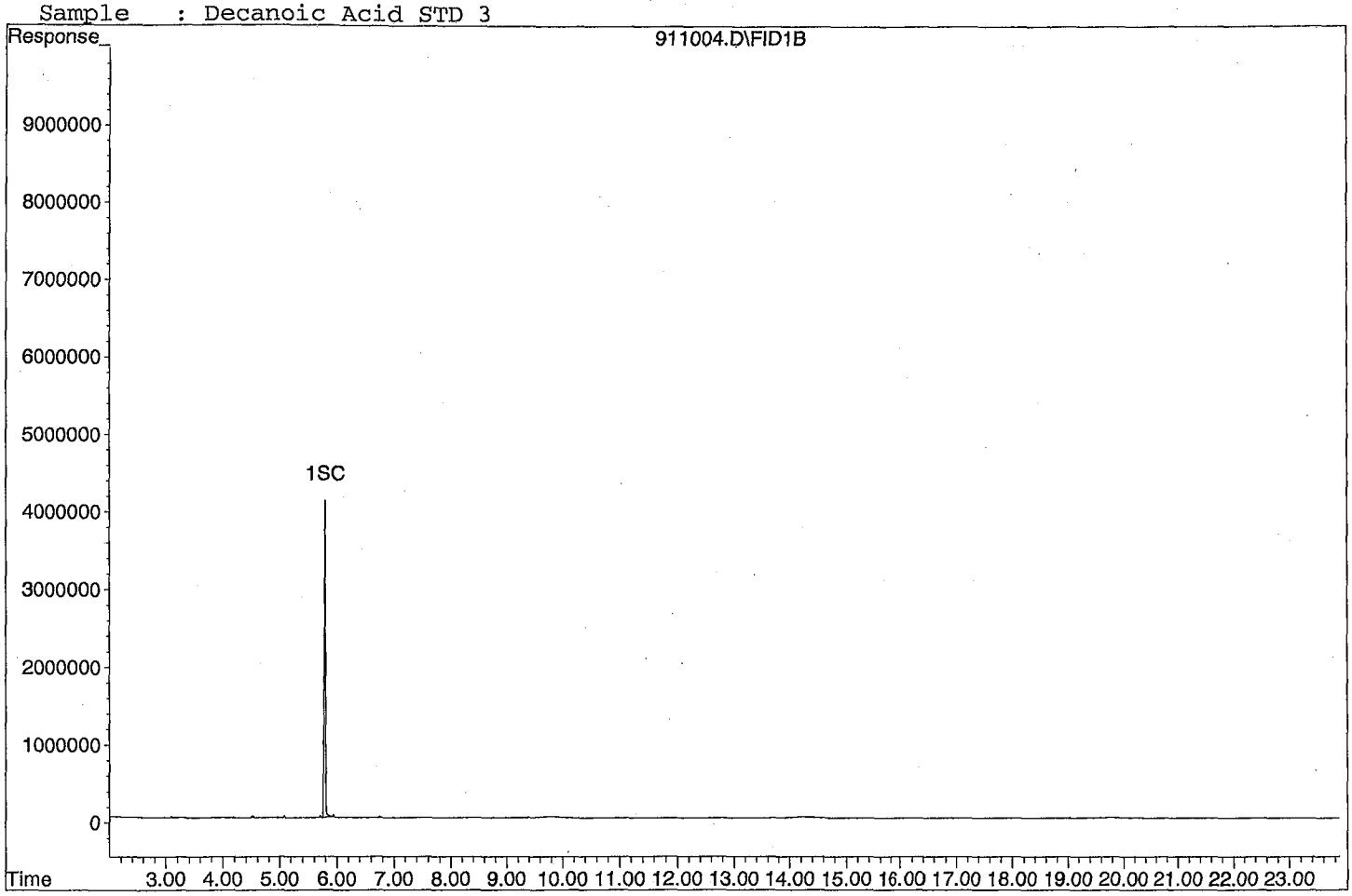
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

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

Target Compounds

Quantitation Report

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



Quantitation Report (Not Reviewed)

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

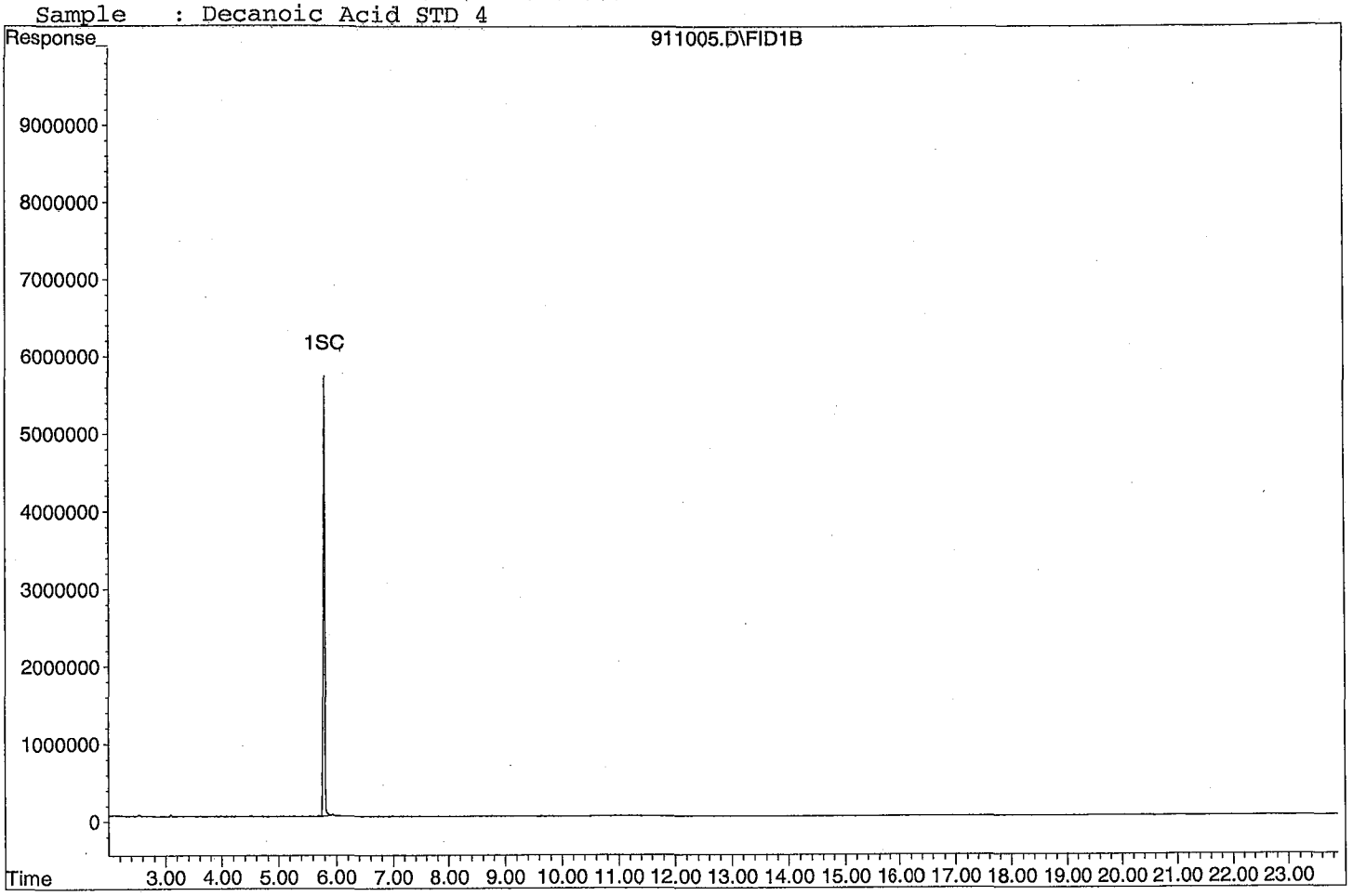
Method : G:\APOLLO\DATA\210808\DEC0911.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Mon Sep 13 09:30:16 2021
Response via : Multiple Level Calibration

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

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

Quantitation Report

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



Quantitation Report (Not Reviewed)

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

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

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

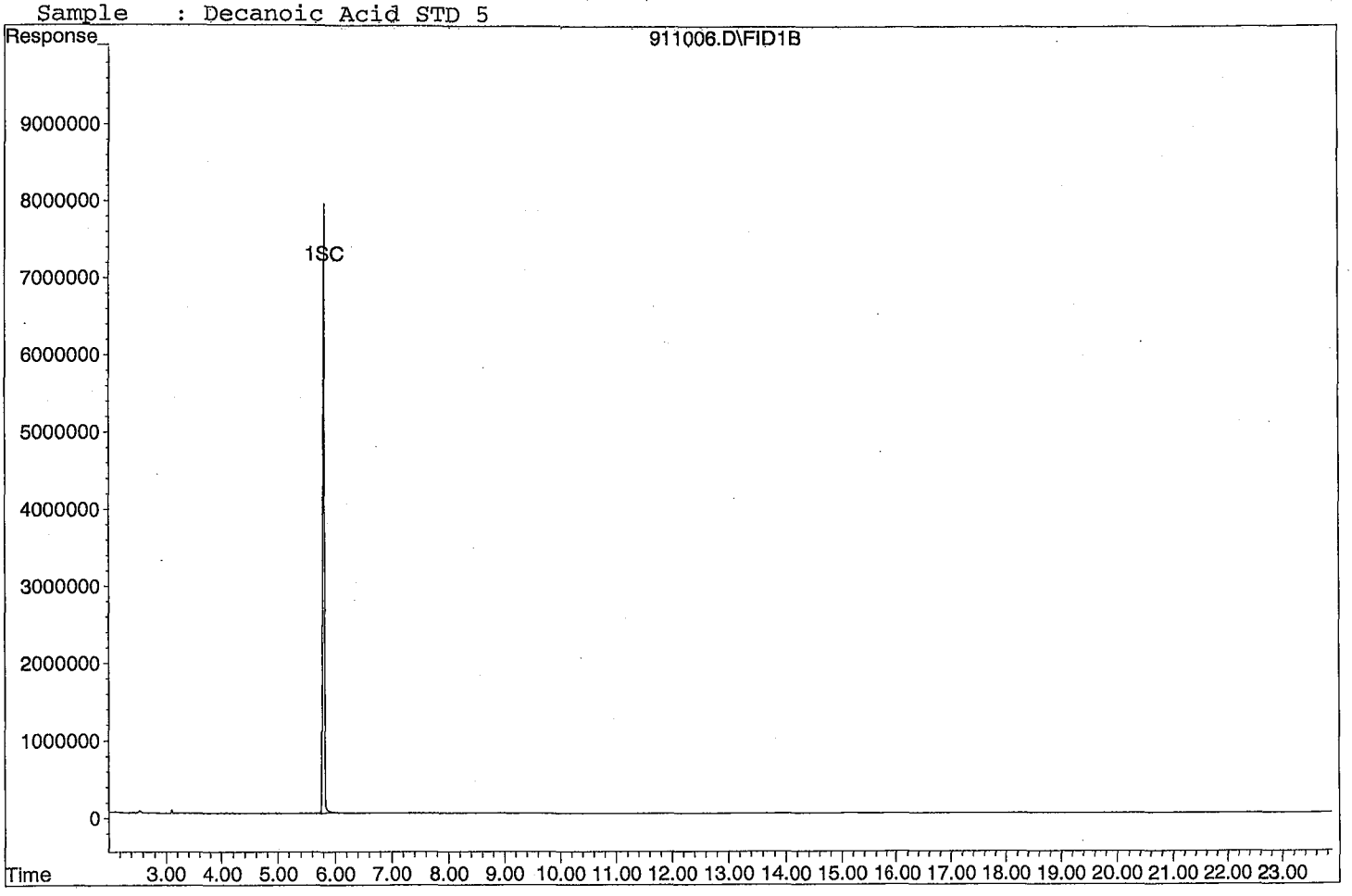
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) SC Decanoic Acid(S)	5.81	146122260	56.942 ppb
Surrogate Spike 24.000		Recovery =	237.26%
Target Compounds			

Target Compounds

(f)=RT Delta > 1/2 Window (m)=manual int.
911006.D DEC0911.M Thu Sep 23 17:16:04 2021 Page 1

Quantitation Report

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



Quantitation Report (Not Reviewed)

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

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

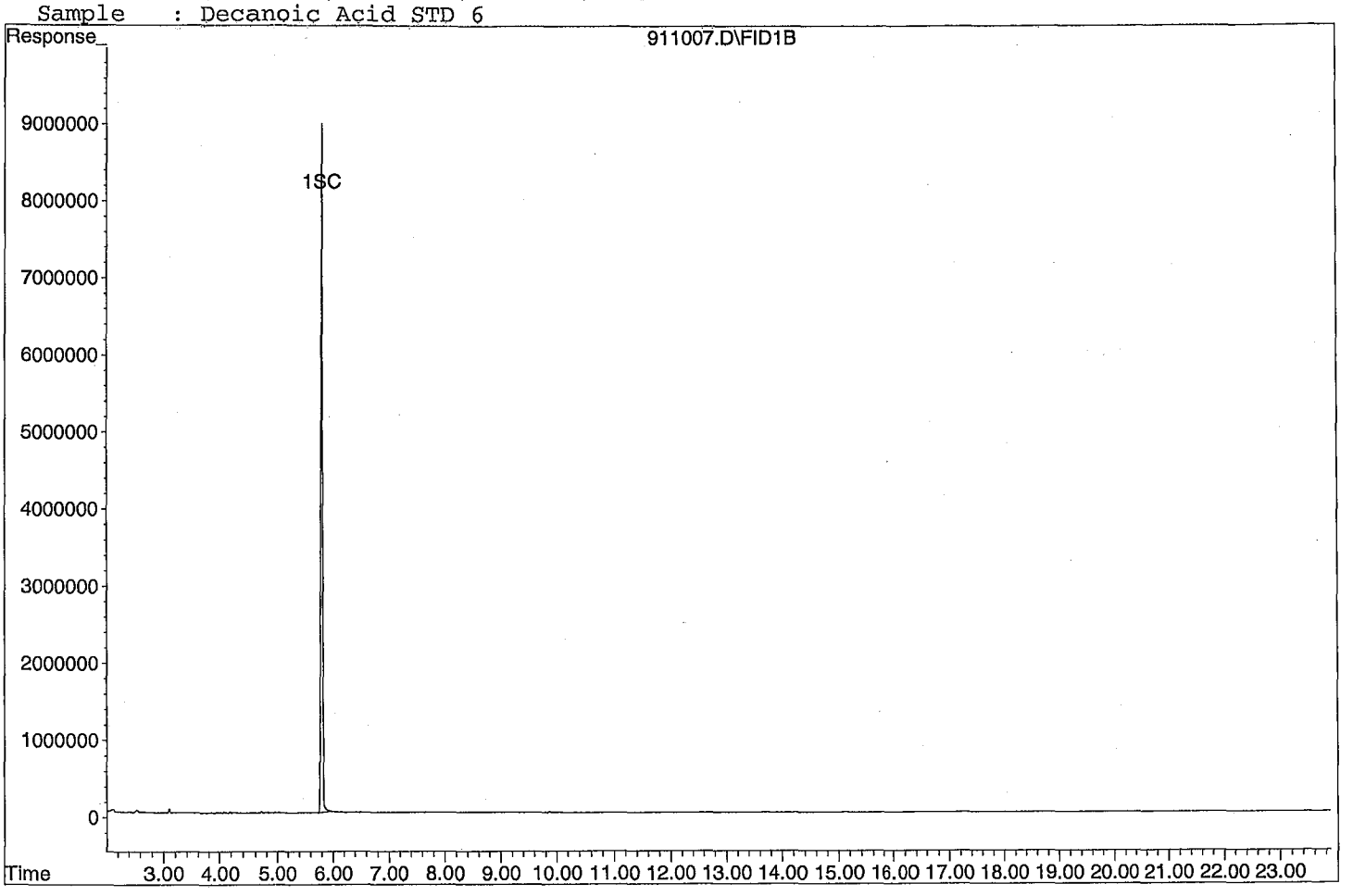
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

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

(f)=RT Delta > 1/2 Window (m)=manual int.
911007.D DEC0911.M Thu Sep 23 17:16:37 2021 Page 1

Quantitation Report

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



TPH Extractables
DOC0831

Form 7

Continuing Calibration

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

SDG No:
Date Analyzed: 10/11/2021
Instrument: Apollo
Initial Cal. Date: 8/30/2021
Data File: 1011004.D

		Compound	MEAN	CCRF	%D	%Drift	
1	HATM	Diesel (C10-C24)	2019600	1935380	4.2	HATM	
2	HBTM	Motor Oil (C24-C40)	2035830	1461000	28	HBTML	4.5
3	SA	Ortho-Terphenyl(S)	2590720	2574570	0.62	SA	
4	SA	Octacosane(S)	1926380	1888520	2.0	SA	
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39							
40							
		Average			8.7		

Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\211011\1011004.D Vial: 4
Acq On : 10-11-21 14:47:10 Operator: KA
Sample : Diesel Motor Oil CCV 10/06/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 12 8:07 2021 Quant Results File: DOC0830.RES

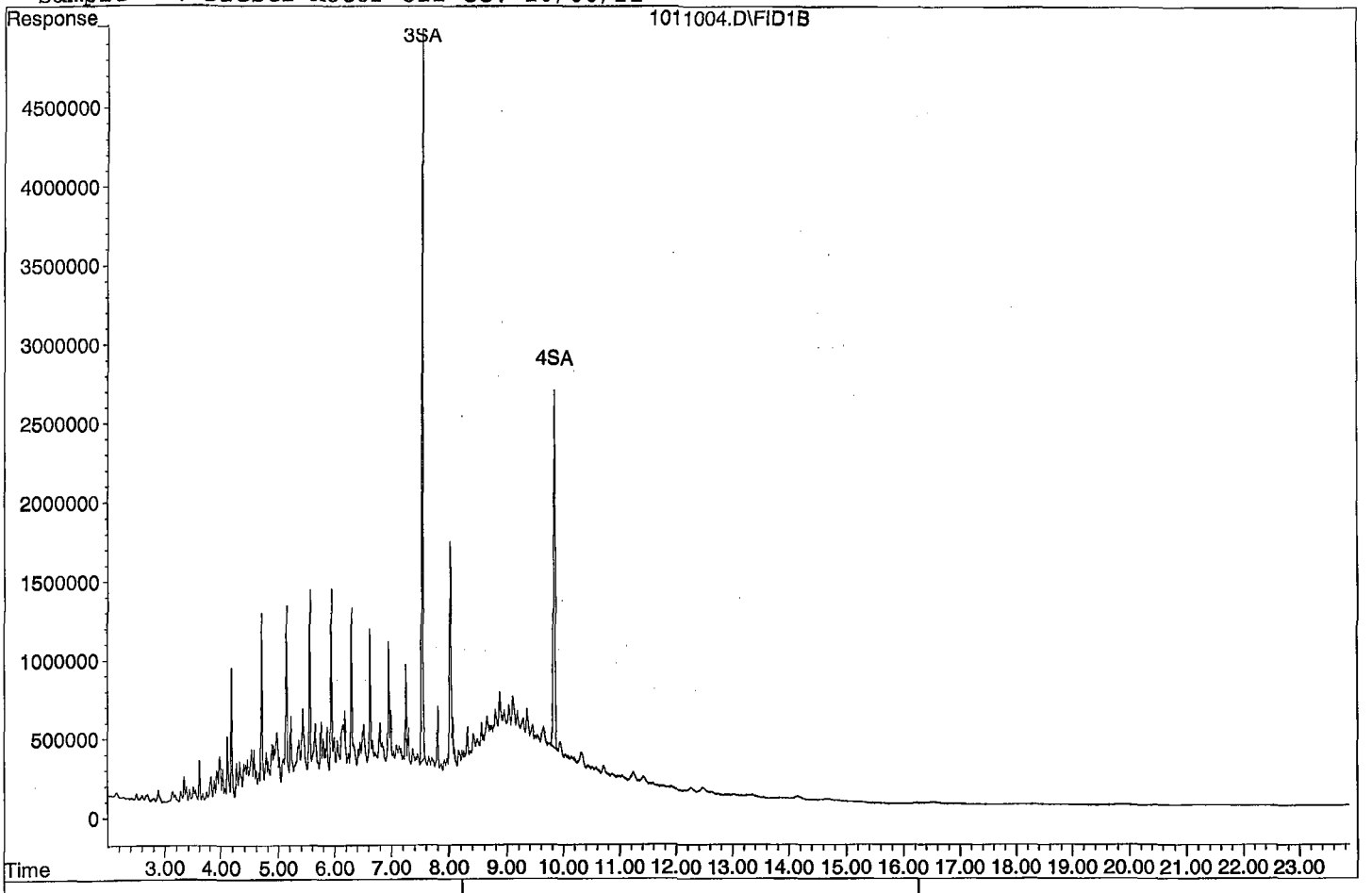
Method : G:\APOLLO\DATA\211007\DOC0830.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Mon Oct 11 17:41:08 2021
Response via : Multiple Level Calibration

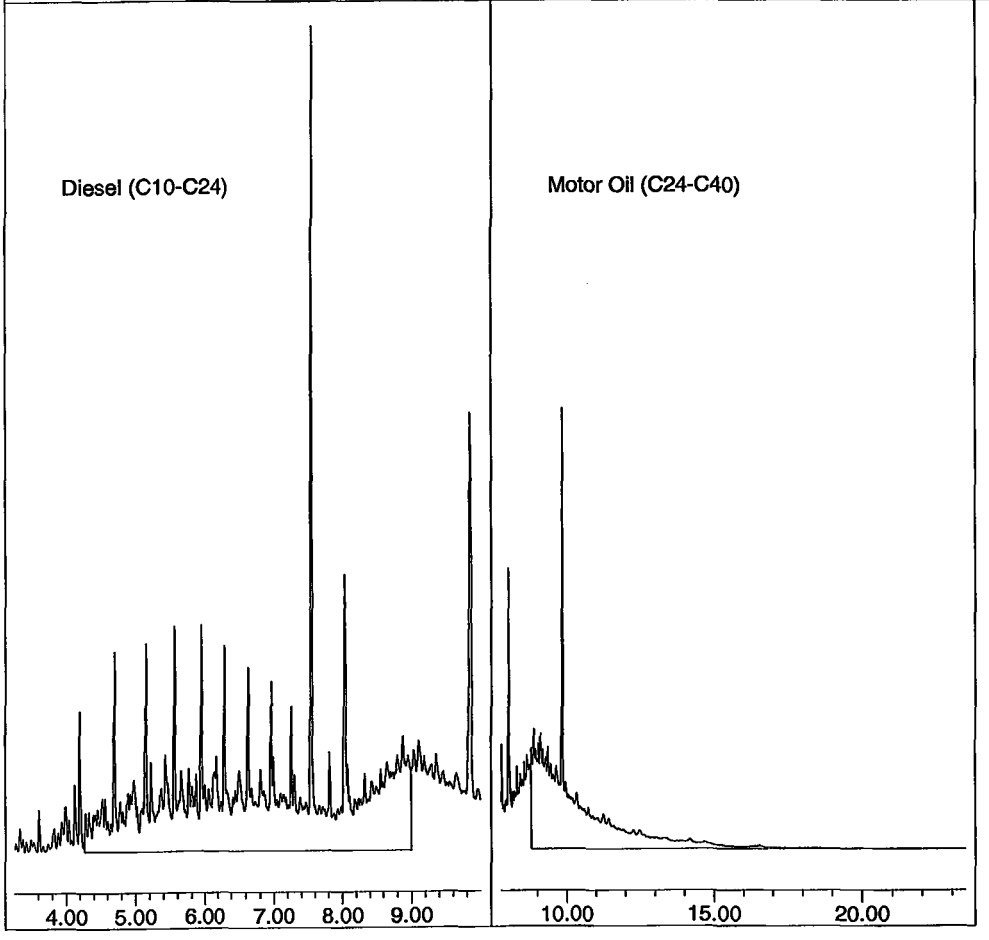
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.54	64364175	12.422 ppb
Surrogate Spike 30.000	Recovery =		41.41%
4) SA Octacosane(S)	9.84	47213026	12.254 ppb
Surrogate Spike 30.000	Recovery =		40.85%
Target Compounds			
1) HATM Diesel (C10-C24)	6.63	967690990	239.575 ppb
2) HBTM Motor Oil (C24-C40)	15.62	730499409	238.837 ppb
Target Compounds			

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

Data File: G:\APOLLO\DATA\211011\1011004.D
Sample : Diesel Motor Oil CCV 10/06/21





TPH Extractables
DEC0911

Form 7

Continuing Calibration

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

SDG No:
Date Analyzed: 10/11/2021
Instrument: Apollo
Initial Cal. Date: 9/11/2021
Data File: 1011005.D

		Compound	MEAN	CCRF	%D	%Drift	
1	SC	Decanoic Acid(S)	1283070	1250680	2.5	SC	
2							
3							
4							
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40							
		Average			2.5		

Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\211011\1011005.D Vial: 5
Acq On : 10-11-21 15:15:26 Operator: KA
Sample : Decanoic Acid CCV 10/08/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 12 8:13 2021 Quant Results File: DEC0911.RES

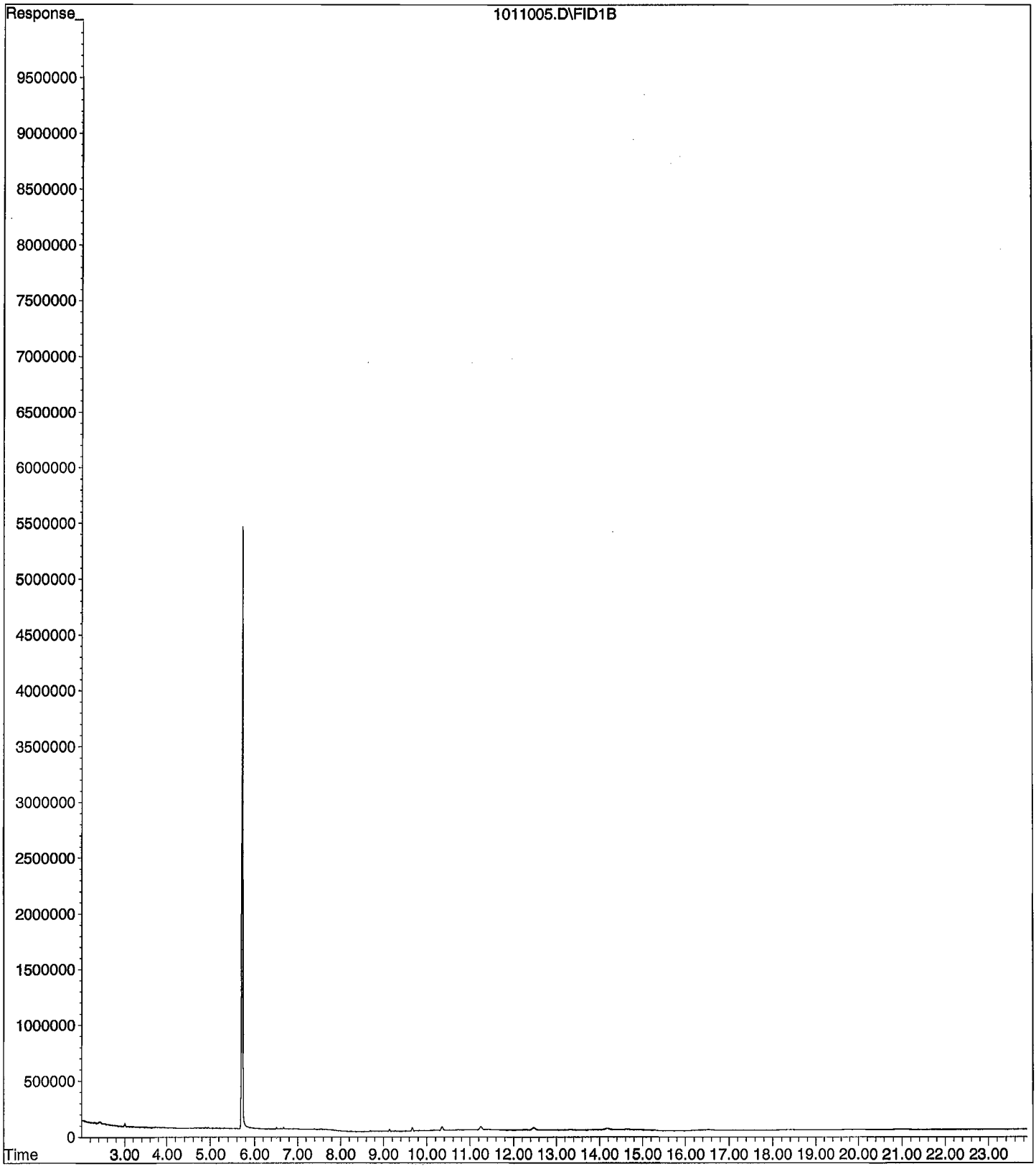
Method : G:\APOLLO\DATA\210911\DEC0911.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Mon Sep 13 09:30:16 2021
Response via : Multiple Level Calibration

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

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) SC Decanoic Acid(S)	5.72f	90048917	35.091 ppb
Surrogate Spike 24.000	Recovery =		146.21%
Target Compounds			
Target Compounds			

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

File : G:\APOLLO\DATA\211011\1011005.D
Operator : KA
Acquired : 10-11-21 15:15:26 using AcqMethod TPHSN.M
Instrument : Apollo
Sample Name: Decanoic Acid CCV 10/08/21
Misc Info : water
Vial Number: 5



TPH Extractables
DOC0831

Form 7

Continuing Calibration

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

SDG No:
Date Analyzed: 10/11/2021
Instrument: Apollo
Initial Cal. Date: 8/30/2021
Data File: 1011022.D

		Compound	MEAN	CCRF	%D	%Drift	
1	HATM	Diesel (C10-C24)	2019600	1977570	2.1	HATM	
2	HBTM	Motor Oil (C24-C40)	2035830	1608550	21	HBTML	5.5
3	SA	Ortho-Terphenyl(S)	2590720	2630350	1.5	SA	
4	SA	Octacosane(S)	1926380	1934720	0.43	SA	
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		Average			6.3		

Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\211011\1011022.D Vial: 22
Acq On : 10-11-21 23:15:23 Operator: KA
Sample : Diesel Motor Oil CCV 10/06/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 12 8:14 2021 Quant Results File: DOC0830.RES

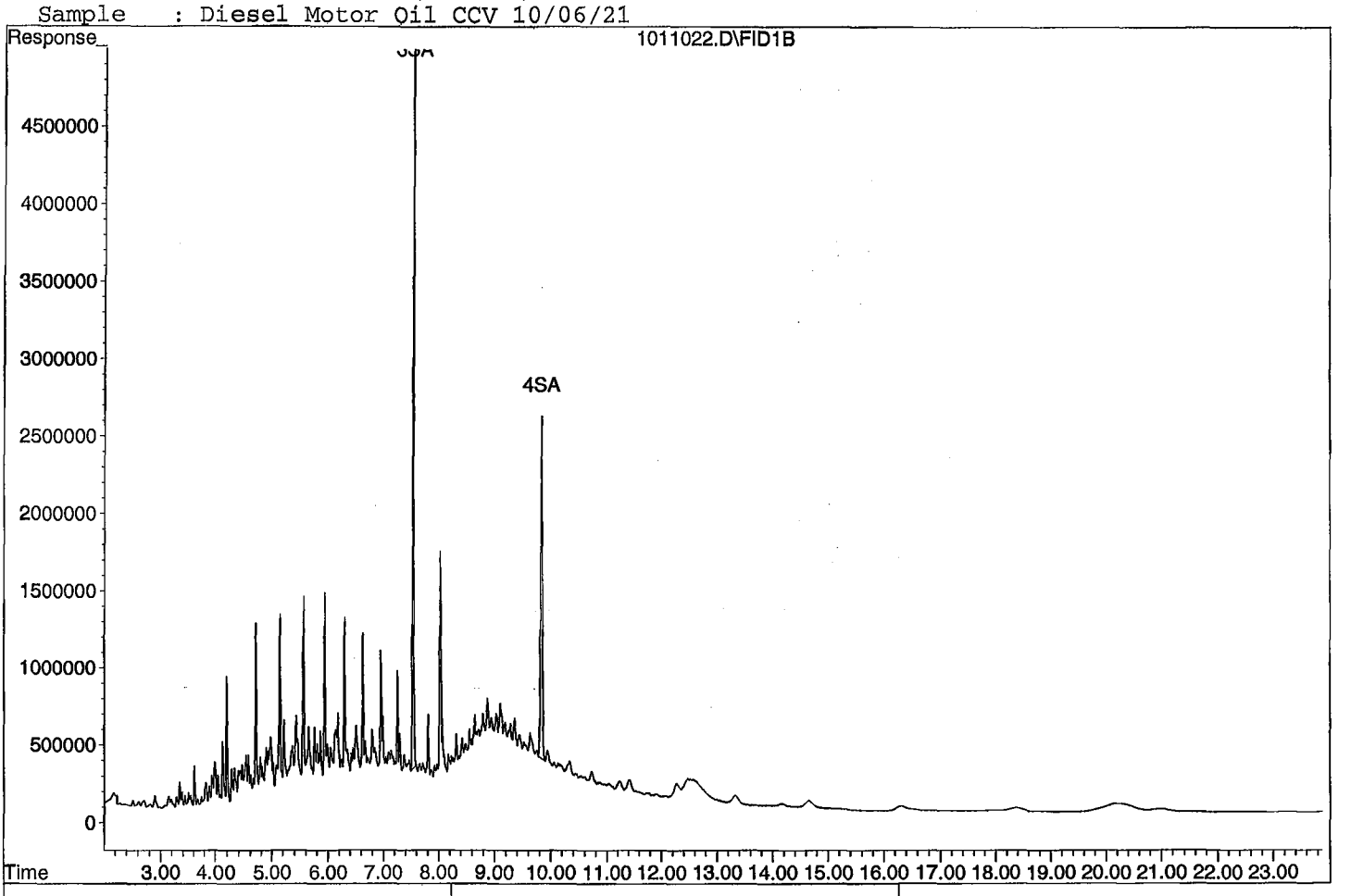
Method : G:\APOLLO\DATA\211007\DOC0830.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Mon Oct 11 17:41:08 2021
Response via : Multiple Level Calibration

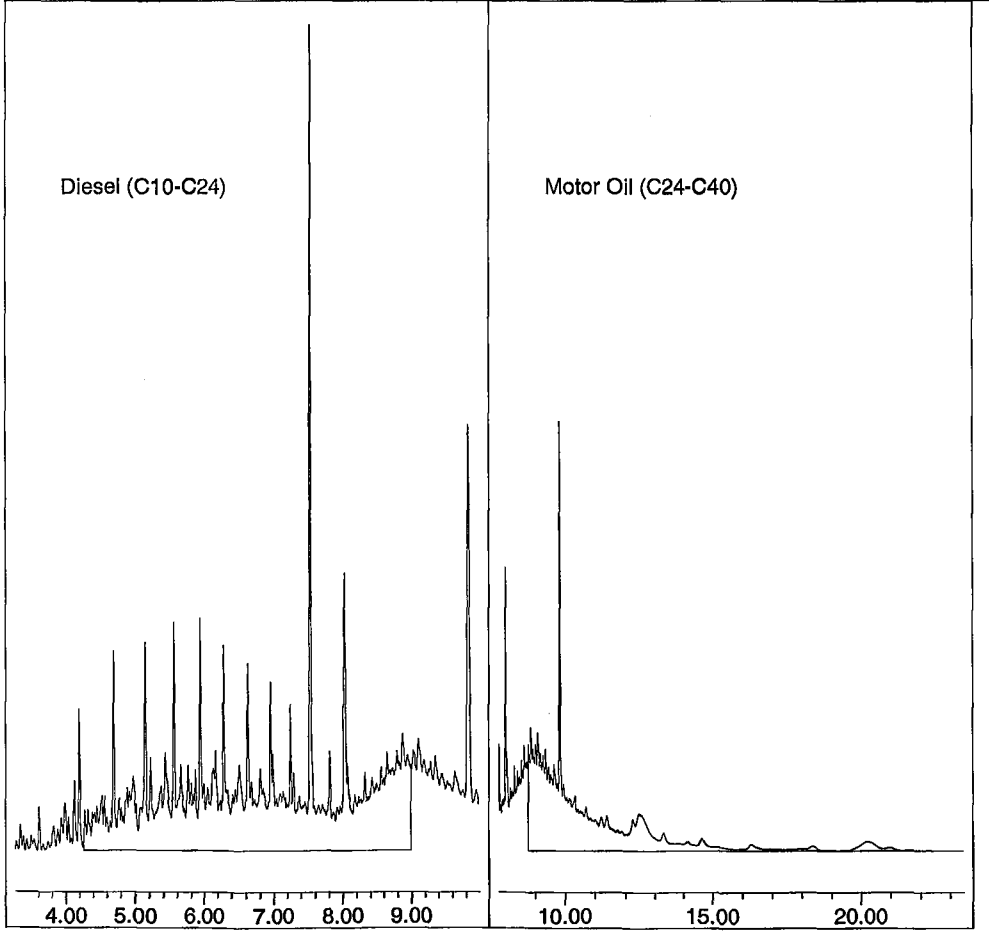
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.54	65758767	12.691 ppb
Surrogate Spike 30.000	Recovery =		42.30%
4) SA Octacosane(S)	9.83	48368071	12.554 ppb
Surrogate Spike 30.000	Recovery =		41.85%
Target Compounds			
1) HATM Diesel (C10-C24)	6.63	988786598	244.798 ppb
2) HBTM Motor Oil (C24-C40)	15.62	804275810	263.774 ppb

Target Compounds

Data File: G:\APOLLO\DATA\211011\1011022.D
Sample : Diesel Motor Oil CCV 10/06/21





TPH Extractables
DEC0911

Form 7

Continuing Calibration

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

SDG No:
Date Analyzed: 10/11/2021
Instrument: Apollo
Initial Cal. Date: 9/11/2021
Data File: 1011023.D

		Compound	MEAN	CCRF	%D	%Drift	
1	SC	Decanoic Acid(S)	1283070	1178850	8.1	SC	
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39							
40							
		Average			8.1		

Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\211011\1011023.D Vial: 23
Acq On : 10-11-21 23:43:27 Operator: KA
Sample : Decanoic Acid CCV 10/08/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 12 8:15 2021 Quant Results File: DEC0911.RES

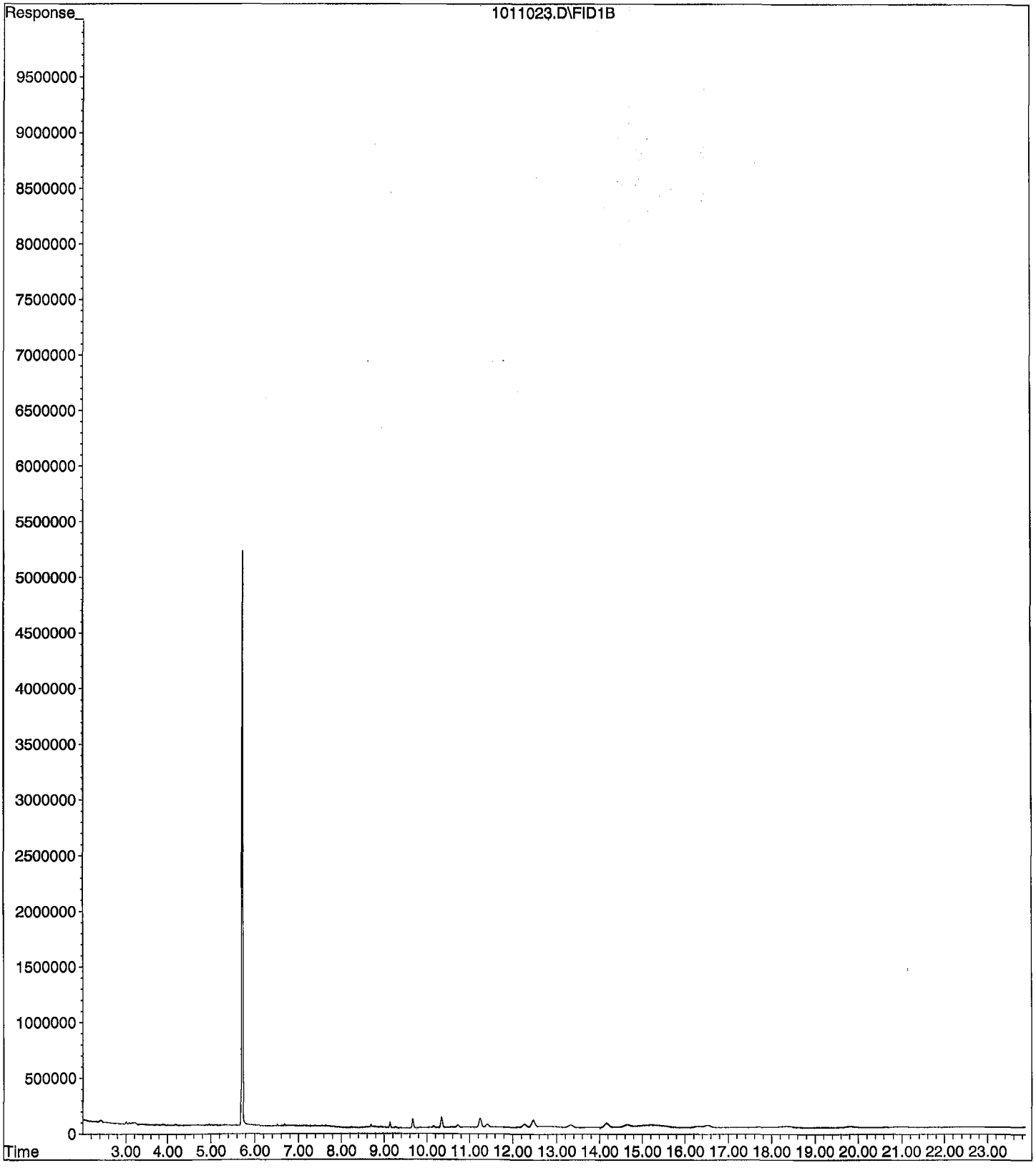
Method : G:\APOLLO\DATA\210911\DEC0911.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Mon Sep 13 09:30:16 2021
Response via : Multiple Level Calibration

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

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) SC Decanoic Acid(S)	5.72f	84876905	33.076 ppb
Surrogate Spike 24.000		Recovery =	137.82%
Target Compounds			
Target Compounds			

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

File : G:\APOLLO\DATA\211011\1011023.D
Operator : KA
Acquired : 10-11-21 23:43:27 using AcqMethod TPHSN.M
Instrument : Apollo
Sample Name: Decanoic Acid CCV 10/08/21
Misc Info : water
Vial Number: 23



TPH Extractables
DOC0831

Form 7

Continuing Calibration

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

SDG No:
Date Analyzed: 10/12/2021
Instrument: Apollo
Initial Cal. Date: 8/30/2021
Data File: 1011028.D

		Compound	MEAN	CCRF	%D		%Drift
1	HATM	Diesel (C10-C24)	2019600	1966450	2.6	HATM	
2	HBTM	Motor Oil (C24-C40)	2035830	1602780	21	HBTML	5.1
3	SA	Ortho-Terphenyl(S)	2590720	2621370	1.2	SA	
4	SA	Octacosane(S)	1926380	1921060	0.28	SA	
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		Average			6.3		

Quantitation Report (Not Reviewed)

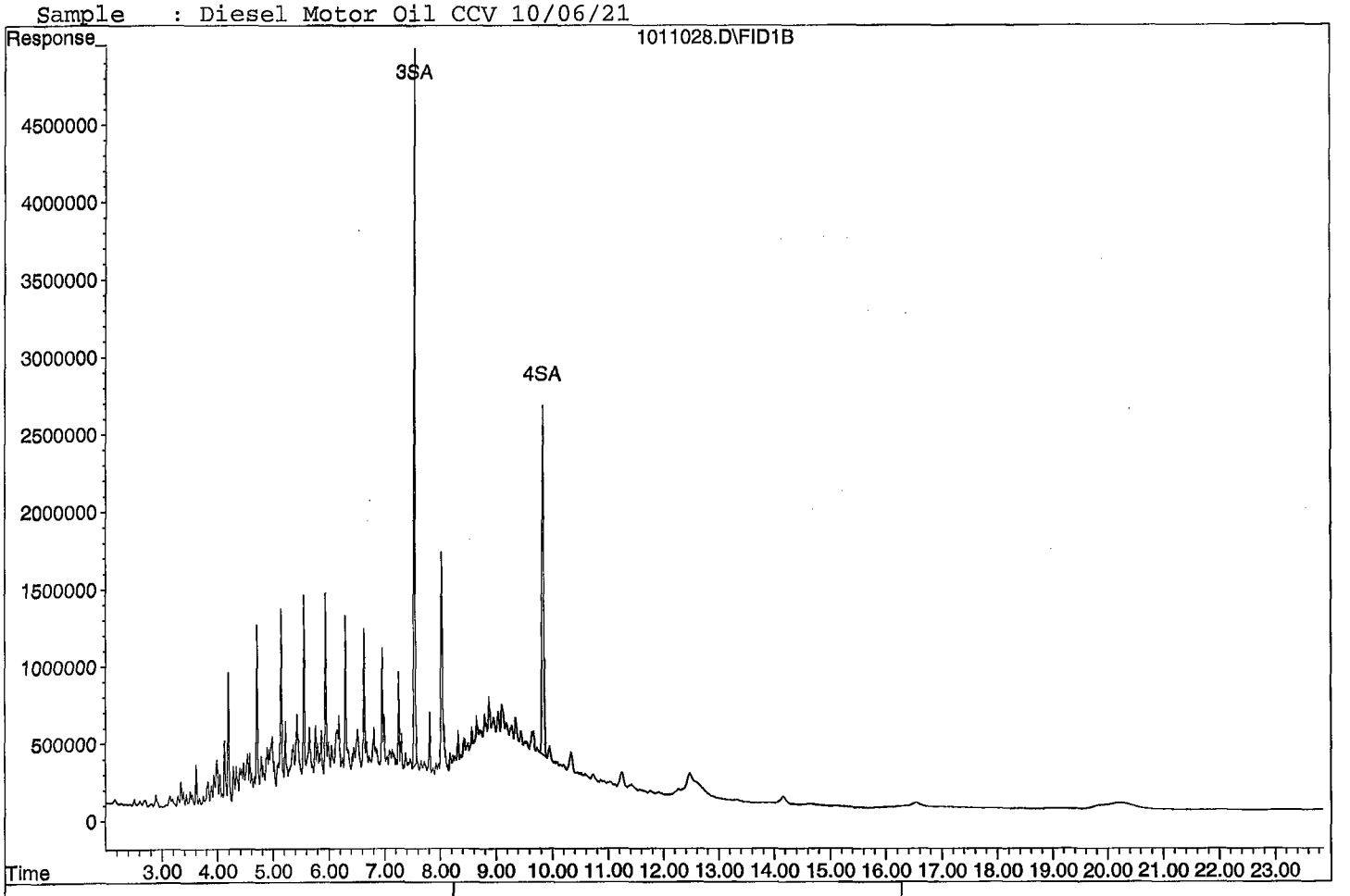
Data File : G:\APOLLO\DATA\211011\1011028.D Vial: 28
Acq On : 10-12-21 2:03:59 Operator: KA
Sample : Diesel Motor Oil CCV 10/06/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 12 8:16 2021 Quant Results File: DOC0830.RES

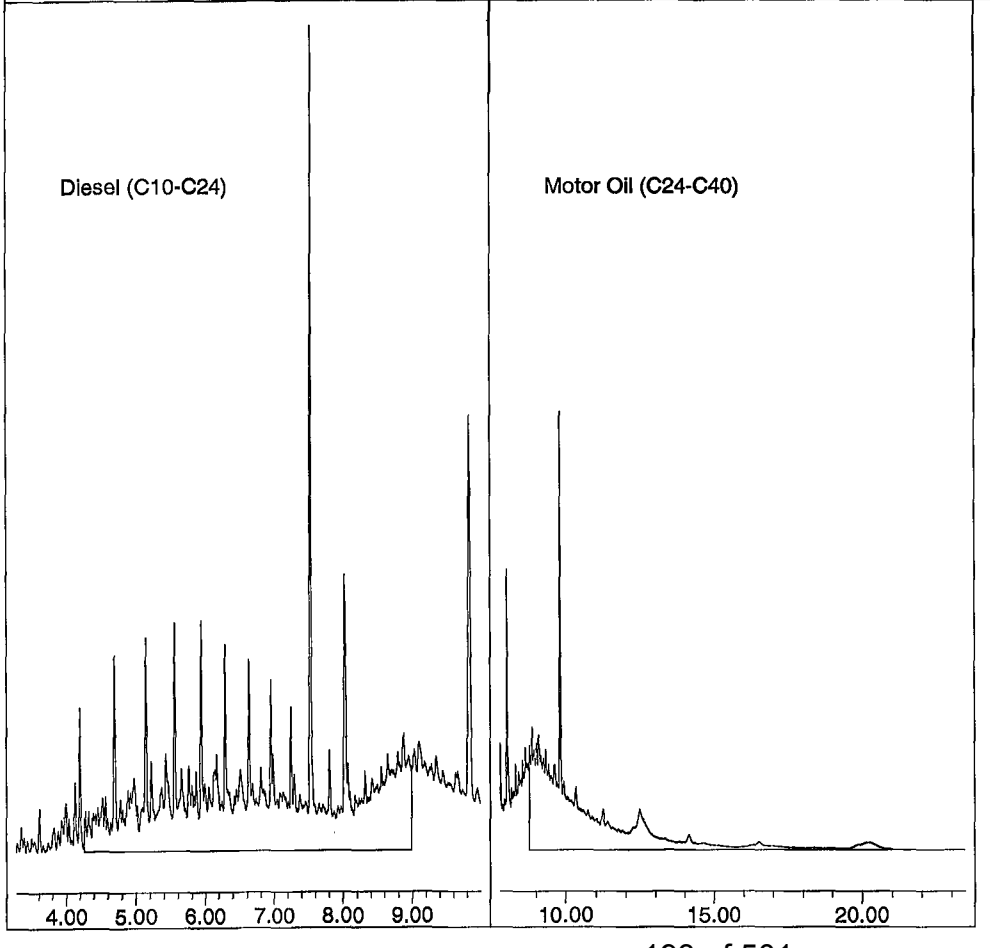
Method : G:\APOLLO\DATA\211007\DOC0830.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Mon Oct 11 17:41:08 2021
Response via : Multiple Level Calibration

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	65534336	12.648 ppb
Surrogate Spike 30.000		Recovery =	42.16%
4) SA Octacosane(S)	9.83	48026379	12.465 ppb
Surrogate Spike 30.000		Recovery =	41.55%
Target Compounds			
1) HATM Diesel (C10-C24)	6.63	983222909	243.421 ppb
2) HBTM Motor Oil (C24-C40)	15.62	801391003	262.799 ppb
Target Compounds			

Data File: G:\APOLLO\DATA\211011\1011028.D
Sample : Diesel Motor Oil CCV 10/06/21





TPH Extractables
DEC0911

Form 7

Continuing Calibration

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

SDG No:
Date Analyzed: 10/12/2021
Instrument: Apollo
Initial Cal. Date: 9/11/2021
Data File: 1011029.D

		Compound	MEAN	CCRF	%D		%Drift
1	SC	Decanoic Acid(S)	1283070	1210220	5.7	SC	
2							
3							
4							
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		Average			5.7		

Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\211011\1011029.D Vial: 29
Acq On : 10-12-21 2:32:04 Operator: KA
Sample : Decanoic Acid CCV 10/08/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 12 8:16 2021 Quant Results File: DEC0911.RES

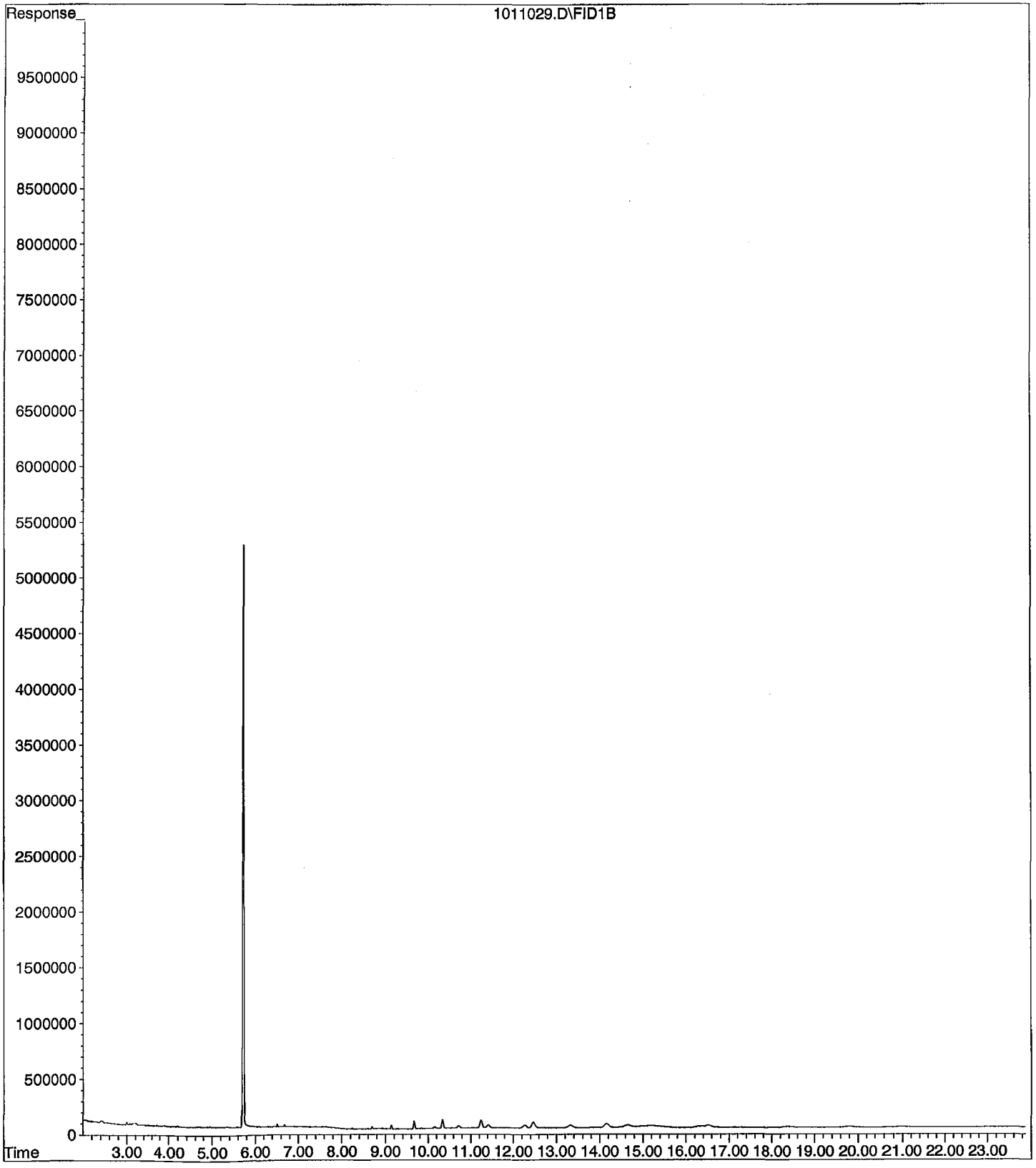
Method : G:\APOLLO\DATA\210911\DEC0911.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Mon Sep 13 09:30:16 2021
Response via : Multiple Level Calibration

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

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) SC Decanoic Acid(S)	5.72f	87135684	33.956 ppb
Surrogate Spike 24.000	Recovery =		141.48%
Target Compounds			
Target Compounds			

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

File : G:\APOLLO\DATA\211011\1011029.D
Operator : KA
Acquired : 10-12-21 2:32:04 using AcqMethod TPHSN.M
Instrument : Apollo
Sample Name: Decanoic Acid CCV 10/08/21
Misc Info : water
Vial Number: 29



ORGANICS
Raw Data

Quantitation Report (QT Reviewed)

Data File : G:\APOLLO\DATA\211011\1011021.D Vial: 21
Acq On : 10-11-21 22:47:15 Operator: KA
Sample : BA40209W08 5/1000 SG Inst : Apollo
Misc : water Multiplr: 5.00
IntFile : events.e
Quant Time: Oct 13 17:31 2021 Quant Results File: DOC0830.RES

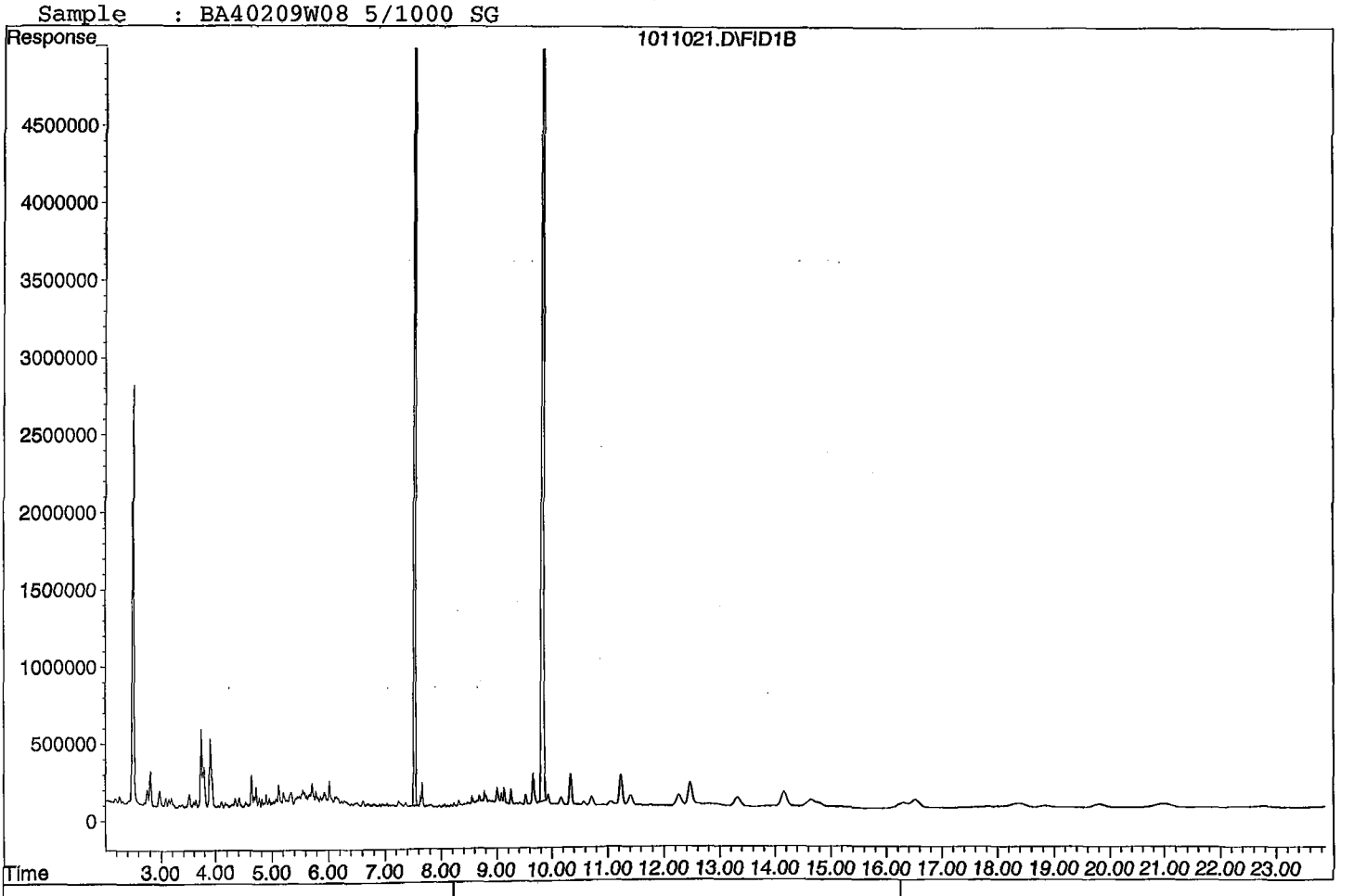
Method : G:\APOLLO\DATA\211007\DOC0830.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Mon Oct 11 17:41:08 2021
Response via : Multiple Level Calibration

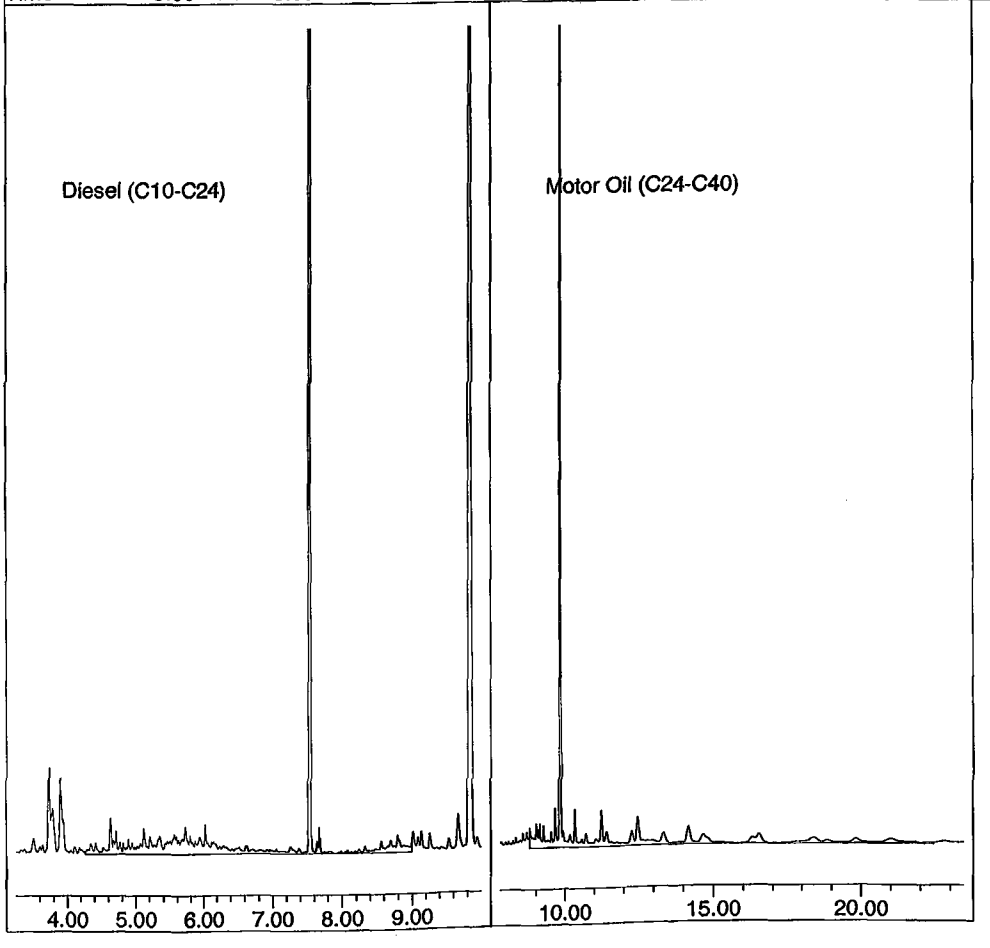
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.54	198558741	191.606 ppb
Surrogate Spike 150.000		Recovery =	127.74%
4) SA Octacosane(S)	9.84	185321383	240.505 ppb
Surrogate Spike 150.000		Recovery =	160.34%
Target Compounds			
1) HATM Diesel (C10-C24)	6.63	112814144	139.649 ppb
2) HBTM Motor Oil (C24-C40)	15.62	218886316	329.550 ppb

Target Compounds

Data File: G:\APOLLO\DATA\211011\1011021.D
Sample : BA40209W08 5/1000 SG





Quantitation Report (QT Reviewed)

Data File : G:\APOLLO\DATA\211011\1011024.D Vial: 24
Acq On : 10-12-21 0:11:34 Operator: KA
Sample : BA40211W07 5/1000 SG Inst : Apollo
Misc : water Multiplr: 5.00
IntFile : events.e
Quant Time: Oct 13 17:40 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

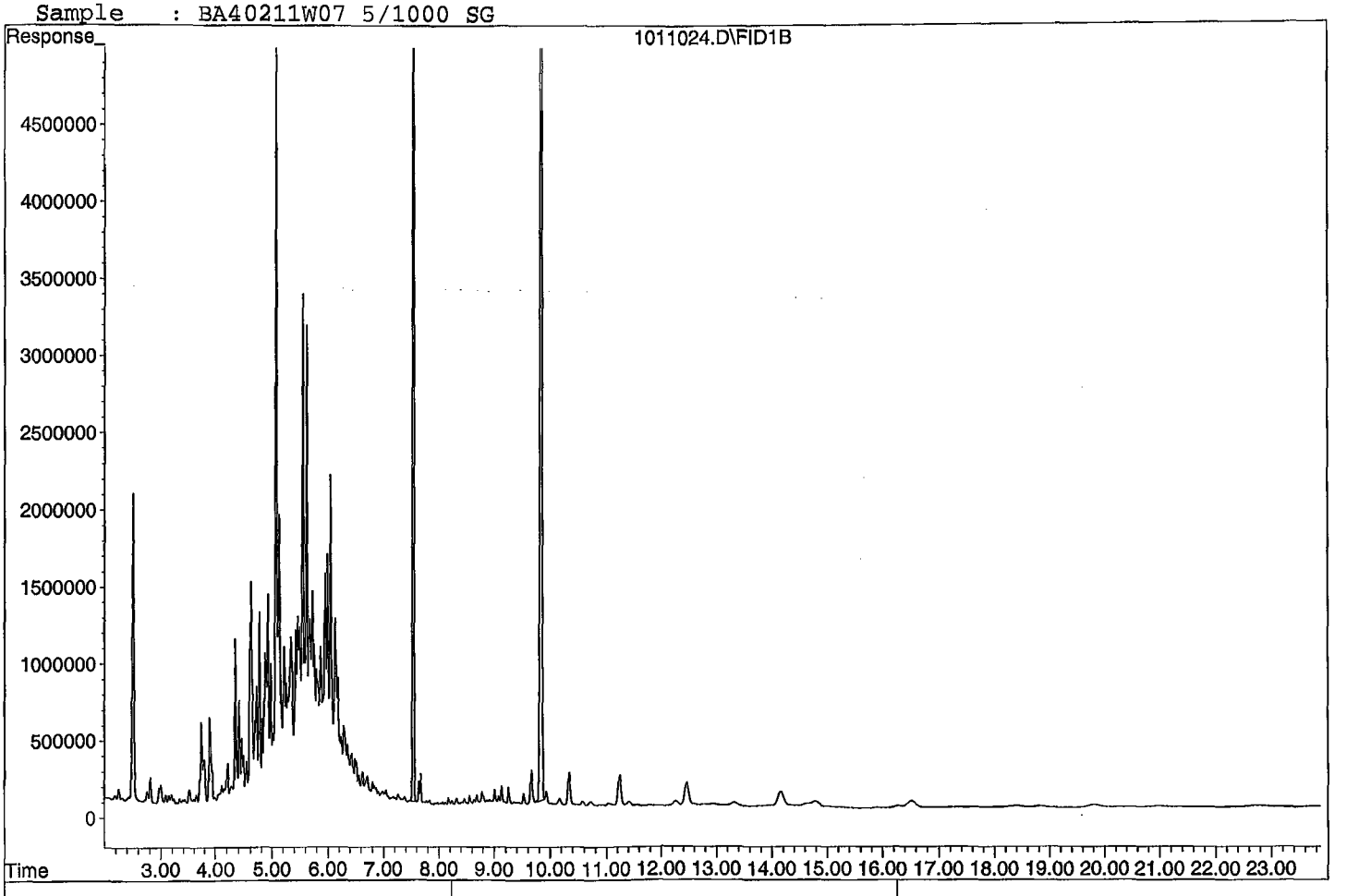
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

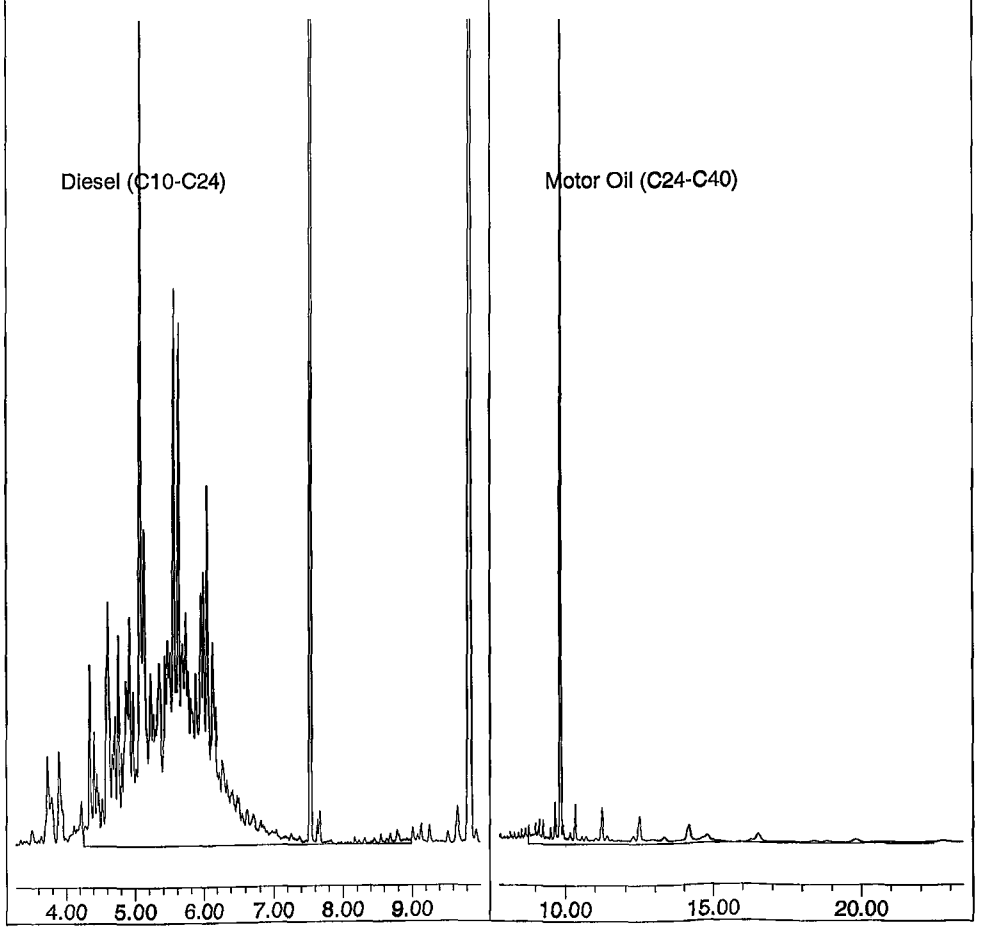
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.54	211112281	203.720 ppb
Surrogate Spike 150.000		Recovery =	135.81%
4) SA Octacosane(S)	9.84	194209670	252.040 ppb
Surrogate Spike 150.000		Recovery =	168.03%
Target Compounds			
1) HATM Diesel (C10-C24)	6.63	1132993020	1402.499 ppb
2) HBTM Motor Oil (C24-C40)	15.62	201422789	300.036 ppb
Target Compounds			

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data File: G:\APOLLO\DATA\211011\1011024.D
Sample : BA40211W07 5/1000 SG





Quantitation Report (QT Reviewed)

Data File : G:\APOLLO\DATA\211011\1011025.D Vial: 25
Acq On : 10-12-21 0:39:40 Operator: KA
Sample : BA40213W08 5/1000 SG Inst : Apollo
Misc : water Multiplr: 5.00
IntFile : events.e
Quant Time: Oct 13 17:41 2021 Quant Results File: DOC0830.RES

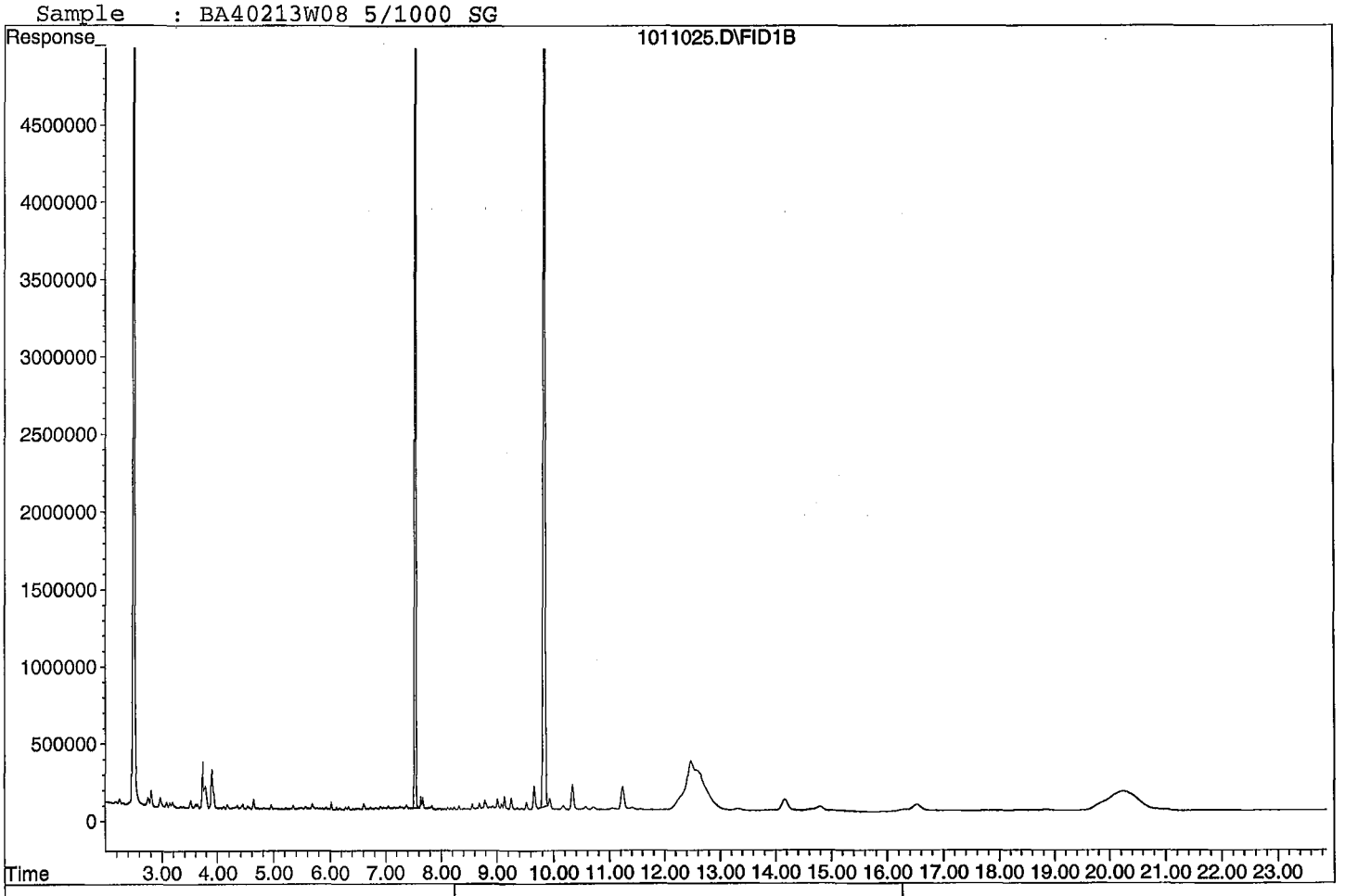
Method : G:\APOLLO\DATA\211007\DOC0830.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Mon Oct 11 17:41:08 2021
Response via : Multiple Level Calibration

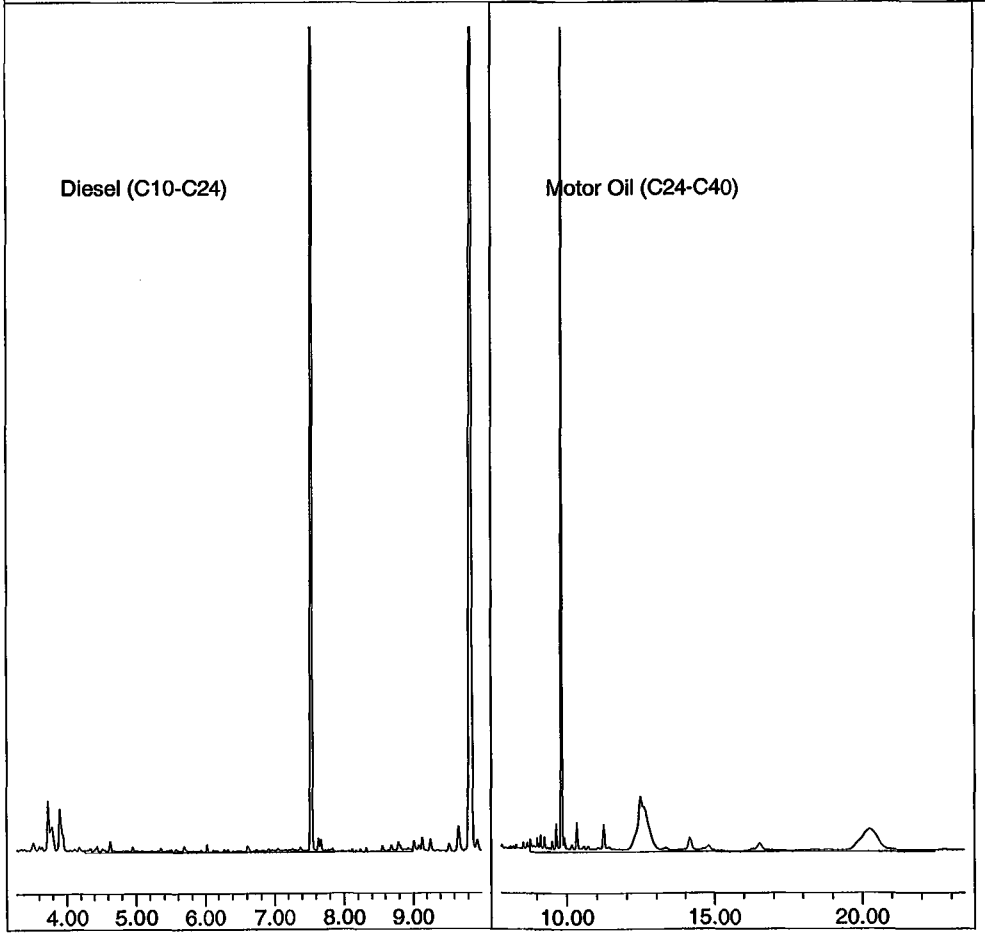
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.54	142258074	137.277 ppb
Surrogate Spike 150.000		Recovery =	91.52%
4) SA Octacosane(S)	9.84	132567021	172.042 ppb
Surrogate Spike 150.000		Recovery =	114.69%
Target Compounds			
1) HATM Diesel (C10-C24)	6.63	33201892	41.100 ppb
2) HBTM Motor Oil (C24-C40)	15.62	268046556	412.632 ppb

Target Compounds

Data File: G:\APOLLO\DATA\211011\1011025.D
Sample : BA40213W08 5/1000 SG





Quantitation Report (QT Reviewed)

Data File : G:\APOLLO\DATA\211011\1011026.D Vial: 26
Acq On : 10-12-21 1:07:47 Operator: KA
Sample : BA40215W08 5/1020 SG Inst : Apollo
Misc : water Multiplr: 4.90
IntFile : events.e
Quant Time: Oct 13 17:42 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

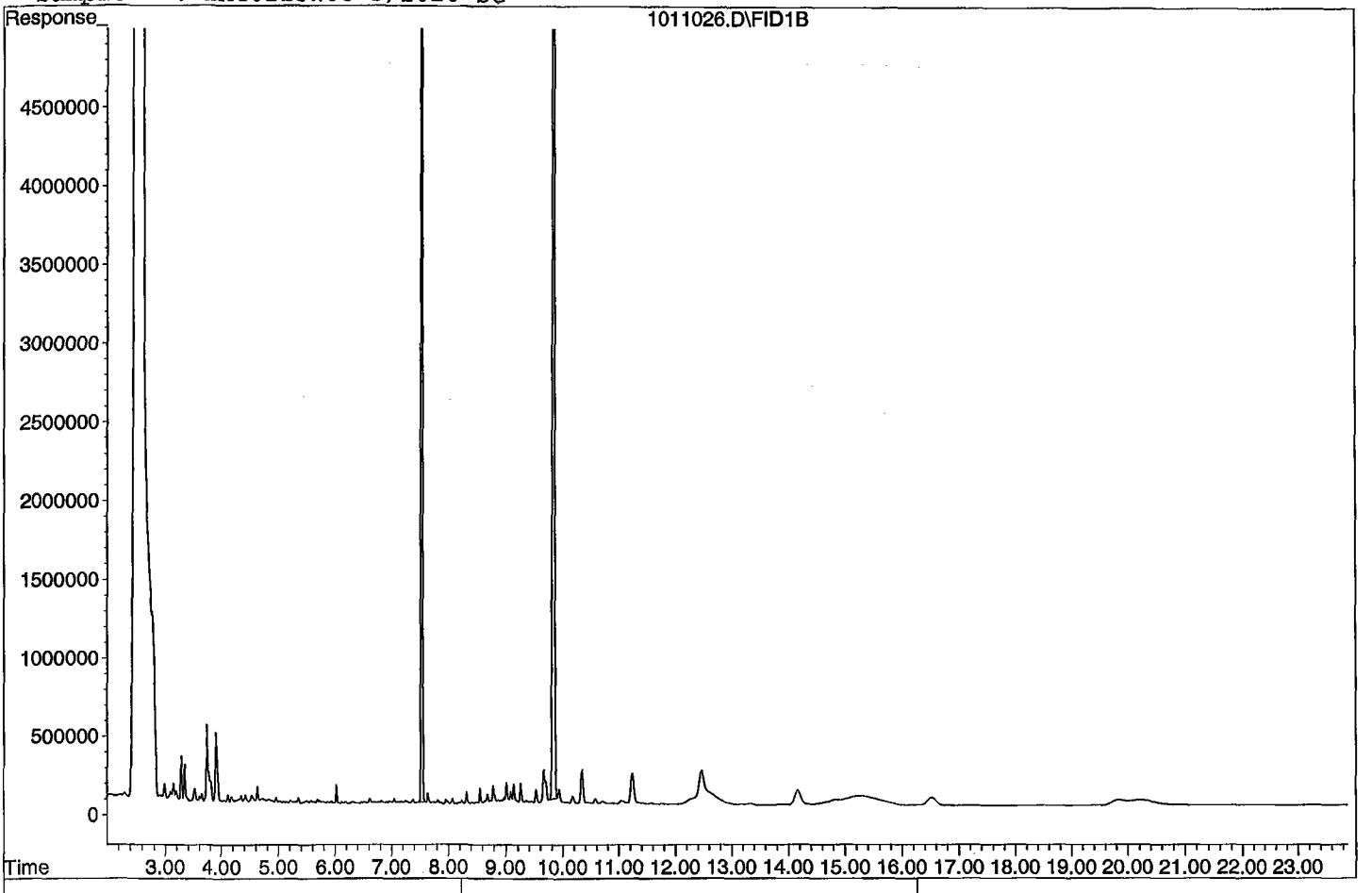
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

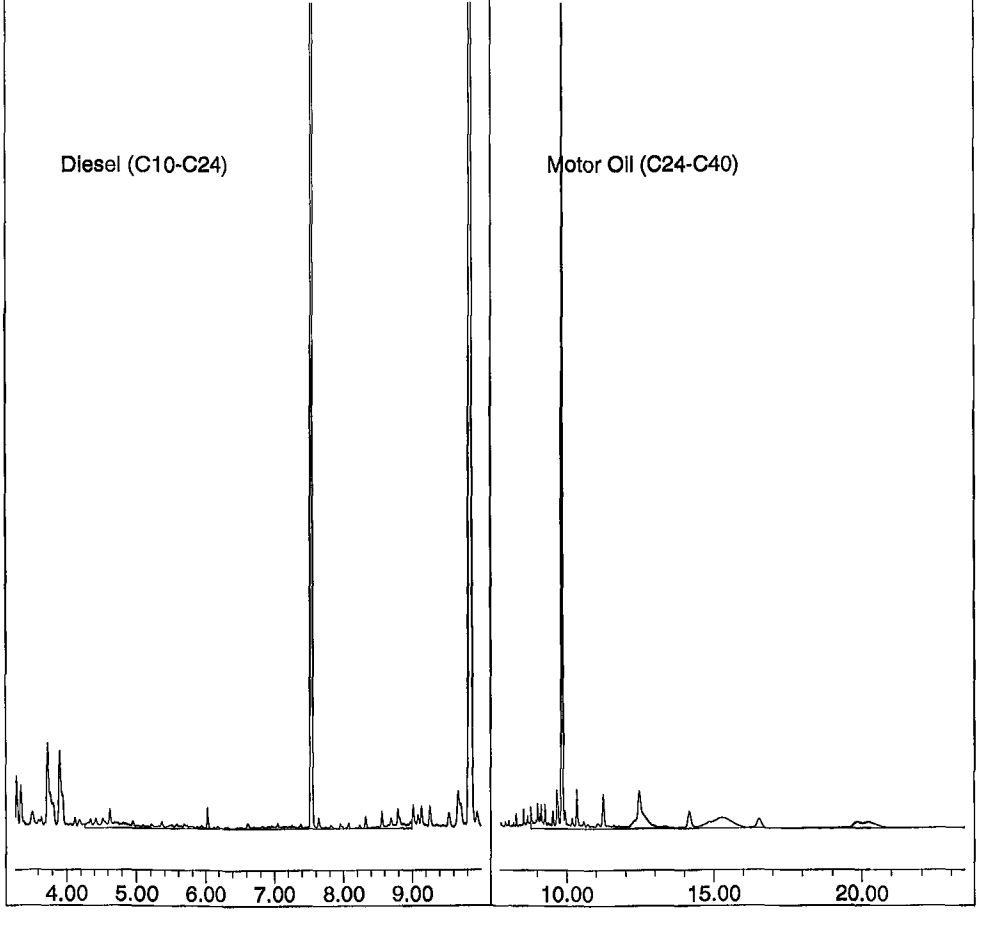
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.54	215120176	203.517 ppb
Surrogate Spike 147.059		Recovery =	138.39%
4) SA Octacosane(S)	9.84	202353349	257.459 ppb
Surrogate Spike 147.059		Recovery =	175.07%
Target Compounds			
1) HATM Diesel (C10-C24)	6.63	48730732	59.140 ppb
2) HBTM Motor Oil (C24-C40)	15.62	193653583	281.280 ppb

Target Compounds

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

Data File: G:\APOLLO\DATA\211011\1011026.D
Sample : BA40215W08 5/1020 SG





Quantitation Report (QT Reviewed)

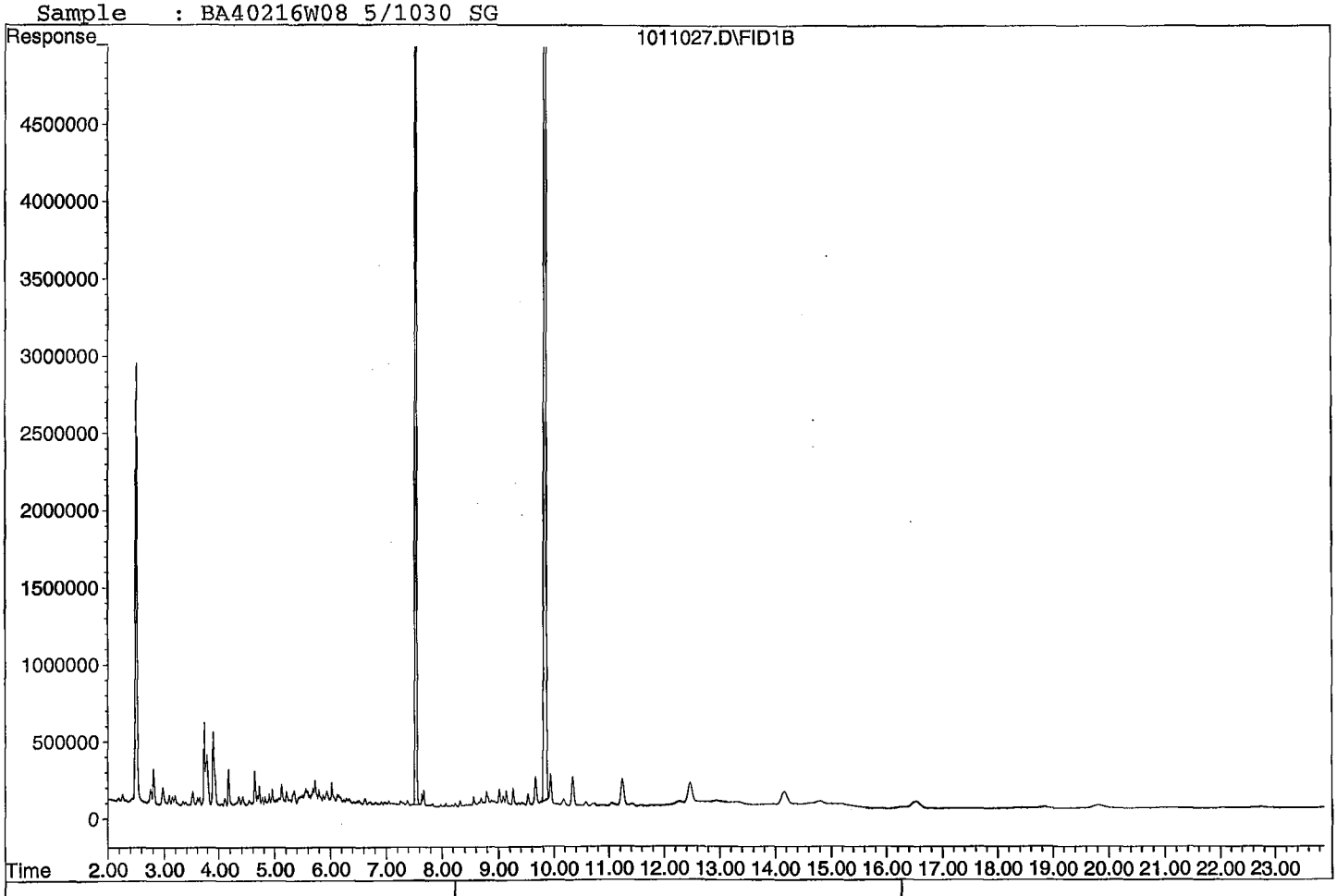
Data File : G:\APOLLO\DATA\211011\1011027.D Vial: 27
Acq On : 10-12-21 1:35:52 Operator: KA
Sample : BA40216W08 5/1030 SG Inst : Apollo
Misc : water Multiplr: 4.85
IntFile : events.e
Quant Time: Oct 13 17:43 2021 Quant Results File: DOC0830.RES

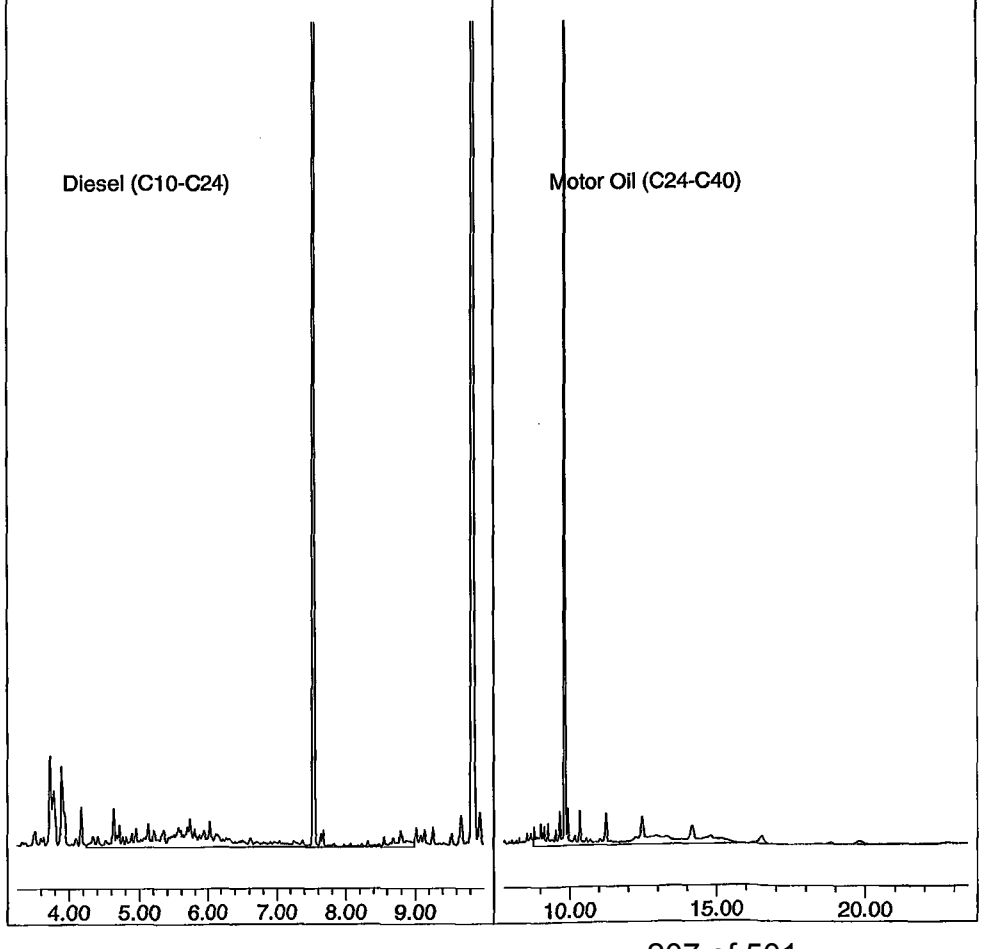
Method : G:\APOLLO\DATA\211007\DOC0830.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Mon Oct 11 17:41:08 2021
Response via : Multiple Level Calibration

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	229234572	214.765 ppb
Surrogate Spike 145.631		Recovery =	147.47%
4) SA Octacosane(S)	9.84	221341665	278.885 ppb
Surrogate Spike 145.631		Recovery =	191.50%
Target Compounds			
1) HATM Diesel (C10-C24)	6.63	110596395	132.917 ppb
2) HBTM Motor Oil (C24-C40)	15.62	188802120	270.589 ppb
Target Compounds			

Data File: G:\APOLLO\DATA\211011\1011027.D
Sample : BA40216W08 5/1030 SG





Quantitation Report (QT Reviewed)

Data File : G:\APOLLO\DATA\211011\1011018.D Vial: 18
Acq On : 10-11-21 21:22:53 Operator: KA
Sample : 210915A BLK 5/1000 SG Inst : Apollo
Misc : water Multiplr: 5.00
IntFile : events.e
Quant Time: Oct 13 17:28 2021 Quant Results File: DOC0830.RES

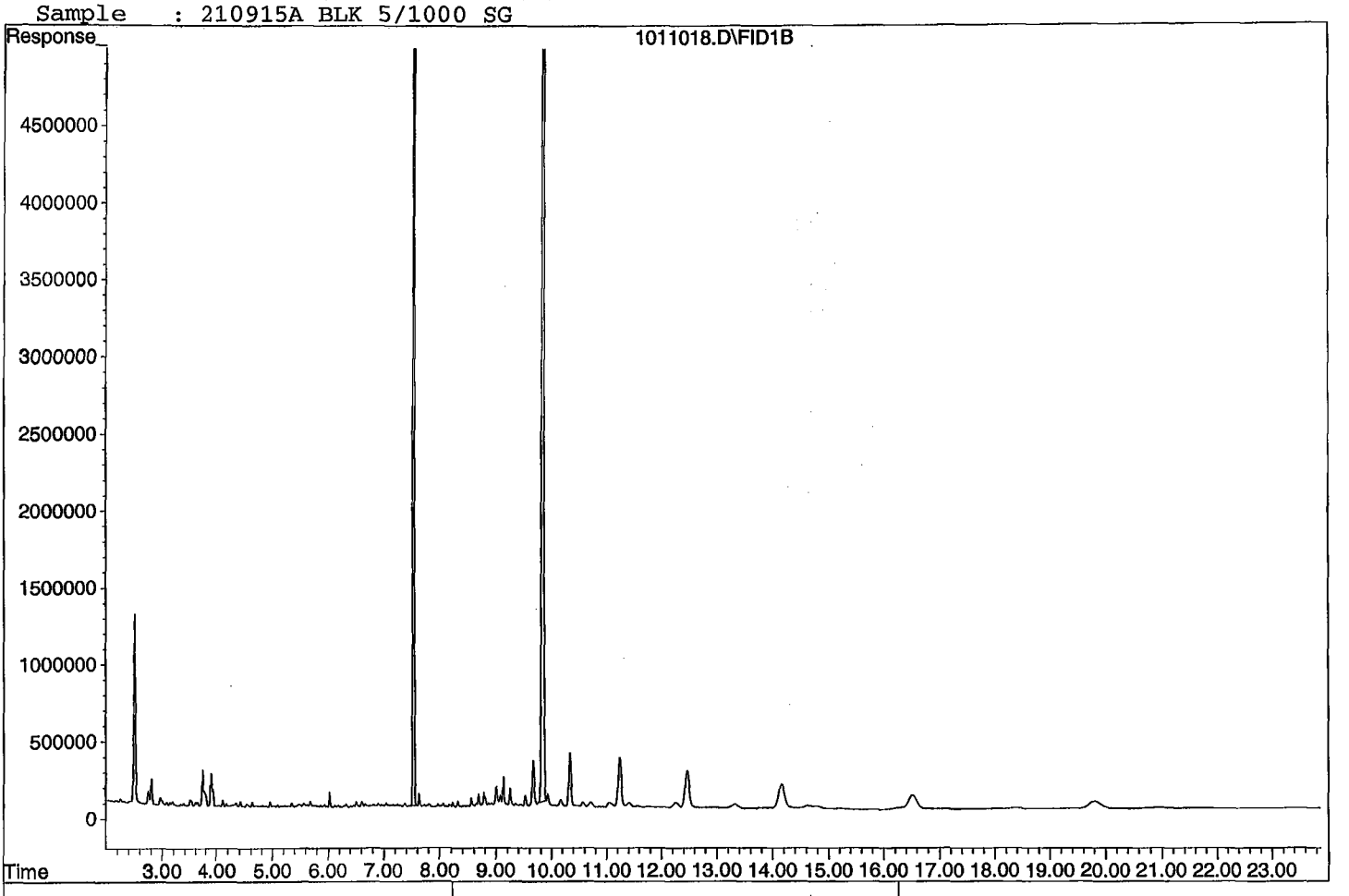
Method : G:\APOLLO\DATA\211007\DOC0830.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Mon Oct 11 17:41:08 2021
Response via : Multiple Level Calibration

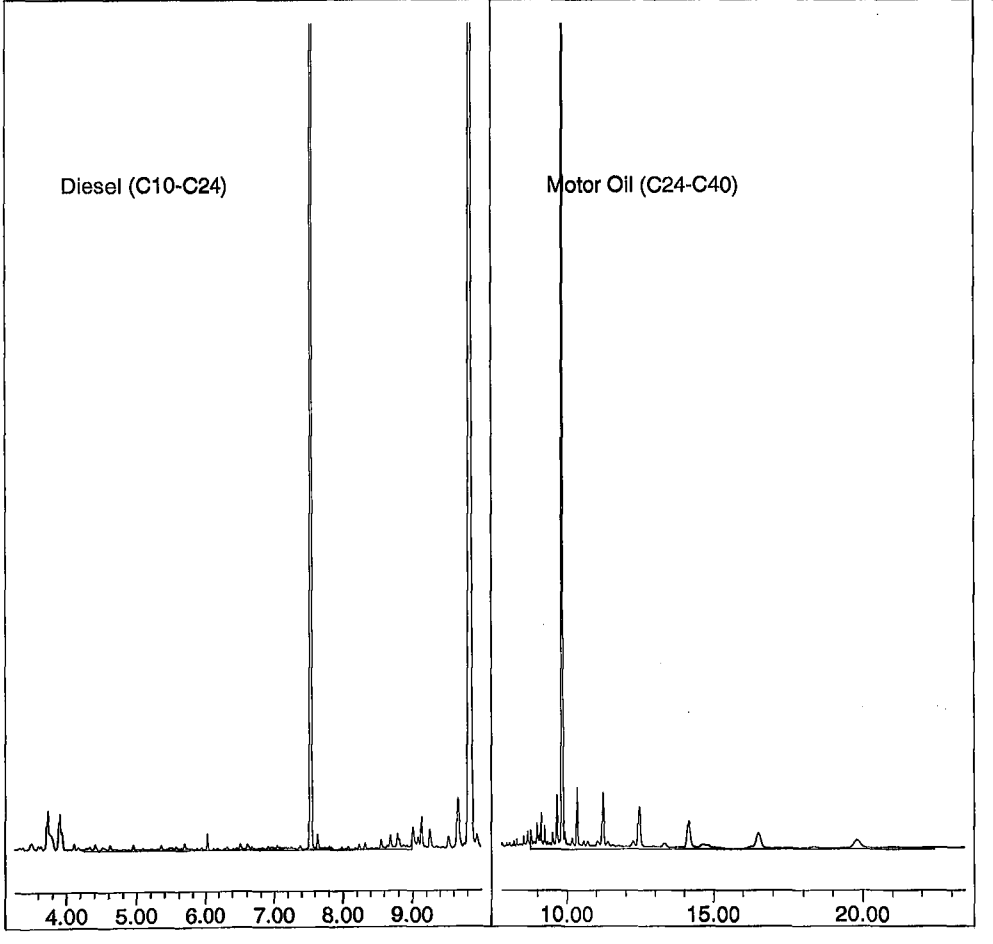
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.54	237443778	229.130 ppb
Surrogate Spike 150.000		Recovery =	152.75%
4) SA Octacosane(S)	9.84	229018935	297.215 ppb
Surrogate Spike 150.000		Recovery =	198.14%
Target Compounds			
1) HATM Diesel (C10-C24)	6.63	37770607	46.755 ppb
2) HBTM Motor Oil (C24-C40)	15.62	213625765	320.659 ppb
Target Compounds			

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

Data File: G:\APOLLO\DATA\211011\1011018.D
Sample : 210915A BLK 5/1000 SG





Quantitation Report (QT Reviewed)

Data File : G:\APOLLO\DATA\211011\1011019.D Vial: 19
Acq On : 10-11-21 21:51:00 Operator: KA
Sample : 210915A LCS-1 5/1000 SG Inst : Apollo
Misc : water Multiplr: 5.00
IntFile : events.e
Quant Time: Oct 13 17:28 2021 Quant Results File: DOC0830.RES

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

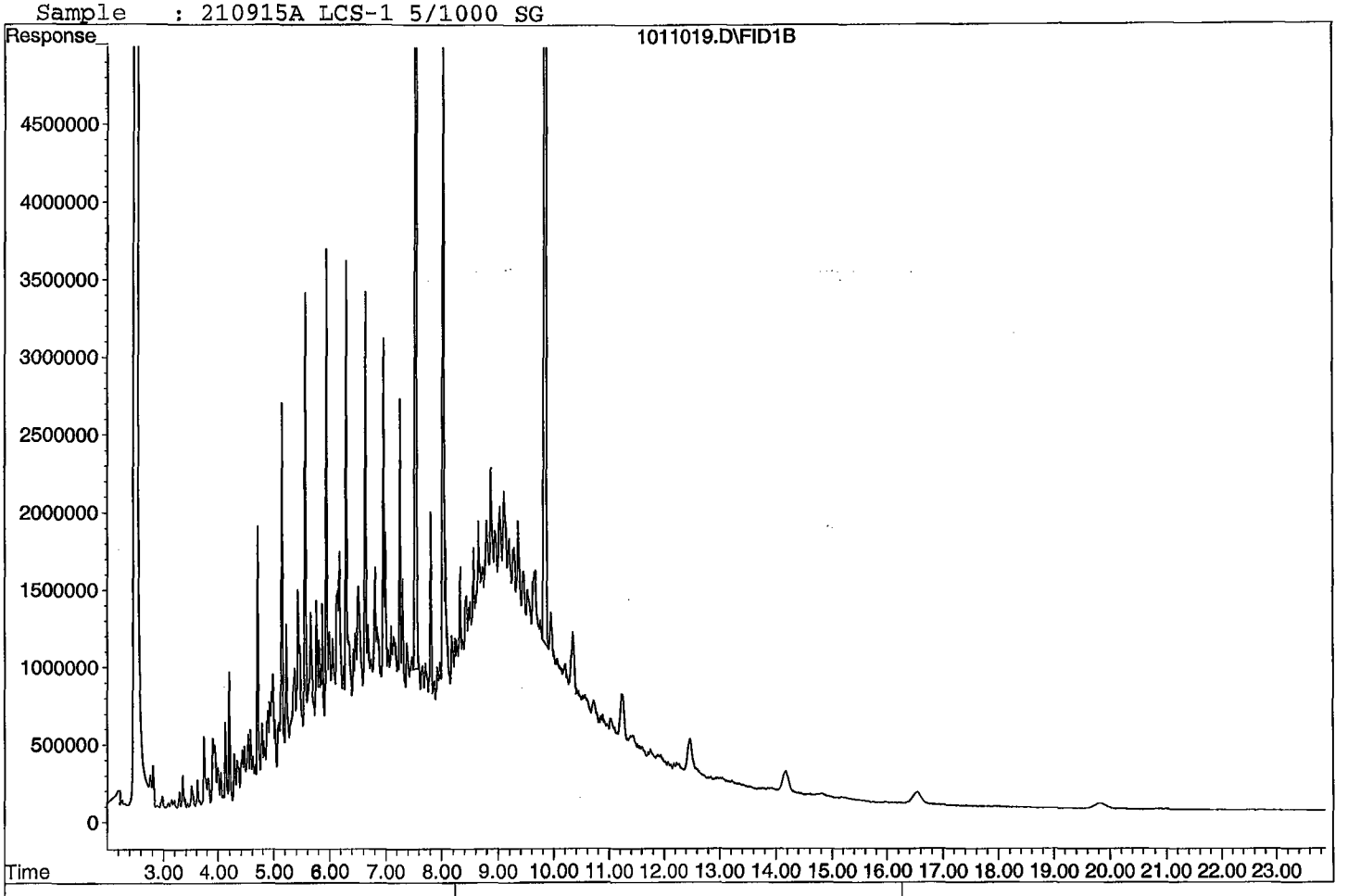
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

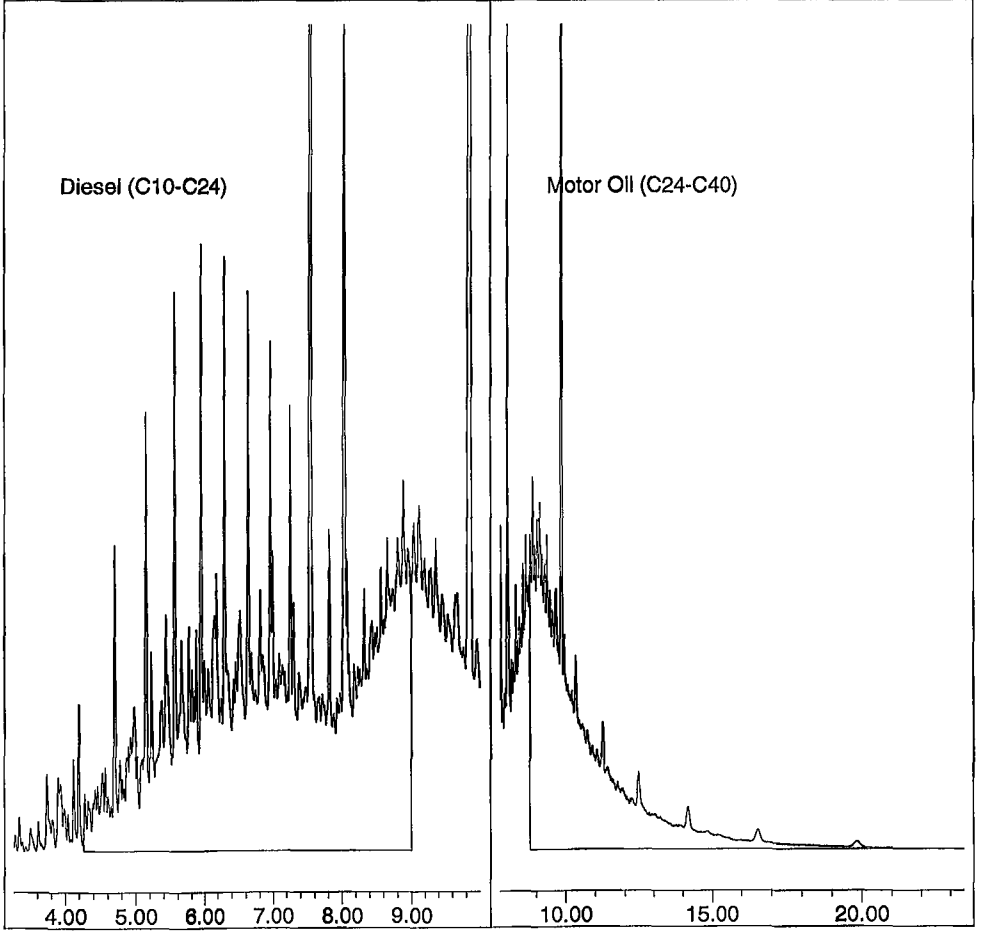
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.54	273730896	264.146 ppb
Surrogate Spike 150.000		Recovery =	176.10%
4) SA Octacosane(S)	9.84	235630905	305.795 ppb
Surrogate Spike 150.000		Recovery =	203.86%
Target Compounds			
1) HATM Diesel (C10-C24)	6.63	2859499513	3539.691 ppb
2) HBTM Motor Oil (C24-C40)	15.62	2272307342	3799.877 ppb
Target Compounds			

$$\frac{(2859499513)(5)}{(2019597)(2)} = \frac{1.43 \times 10^{10}}{4039194} = \boxed{3539.691}$$

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

Data File: G:\APOLLO\DATA\211011\1011019.D
Sample : 210915A LCS-1 5/1000 SG





Quantitation Report (QT Reviewed)

Data File : G:\APOLLO\DATA\211011\1011020.D Vial: 20
Acq On : 10-11-21 22:19:11 Operator: KA
Sample : 210915A LCSD-1 5/1000 SG Inst : Apollo
Misc : water Multiplr: 5.00
IntFile : events.e
Quant Time: Oct 13 17:30 2021 Quant Results File: DOC0830.RES

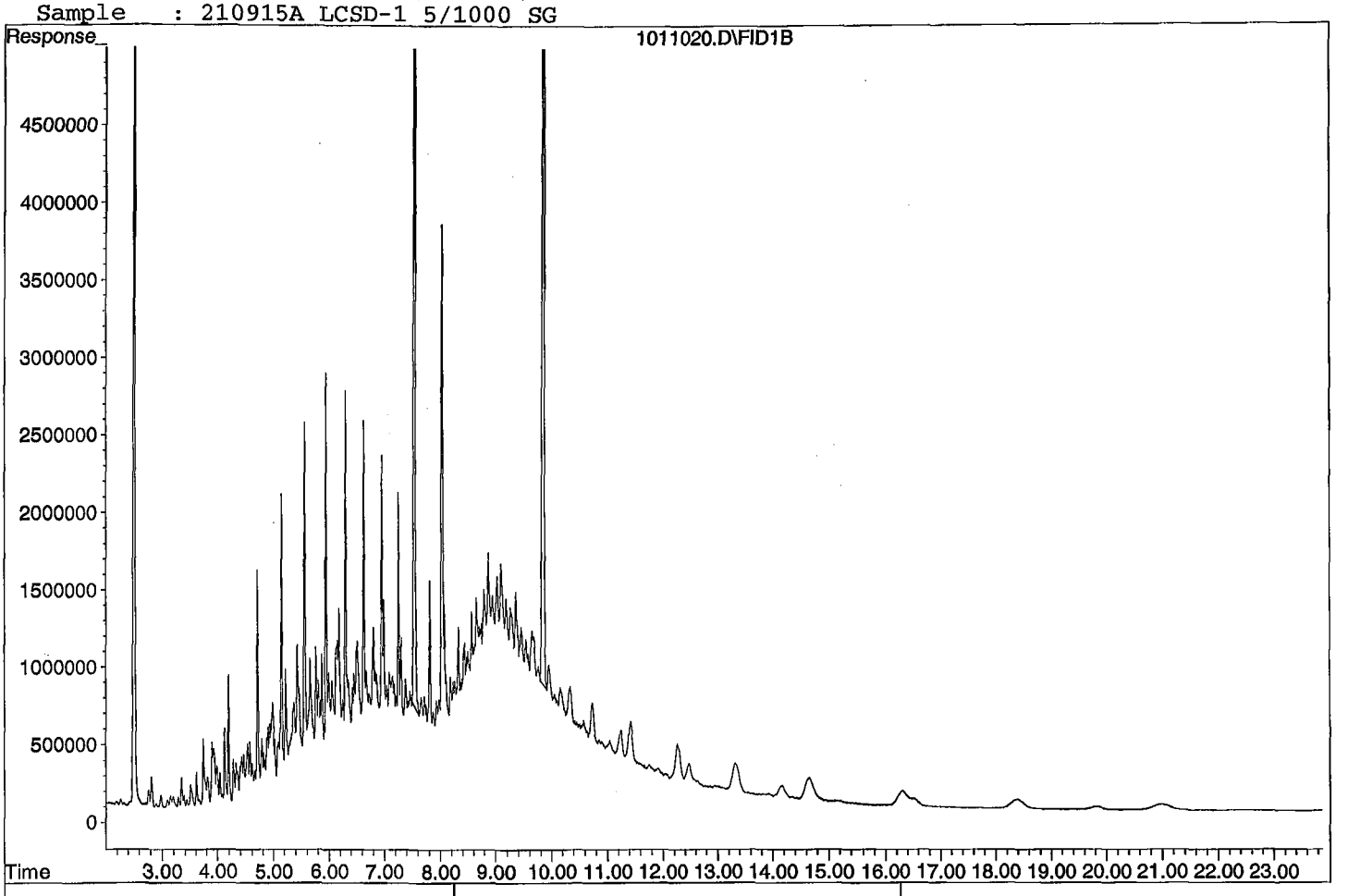
Method : G:\APOLLO\DATA\211007\DOC0830.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Mon Oct 11 17:41:08 2021
Response via : Multiple Level Calibration

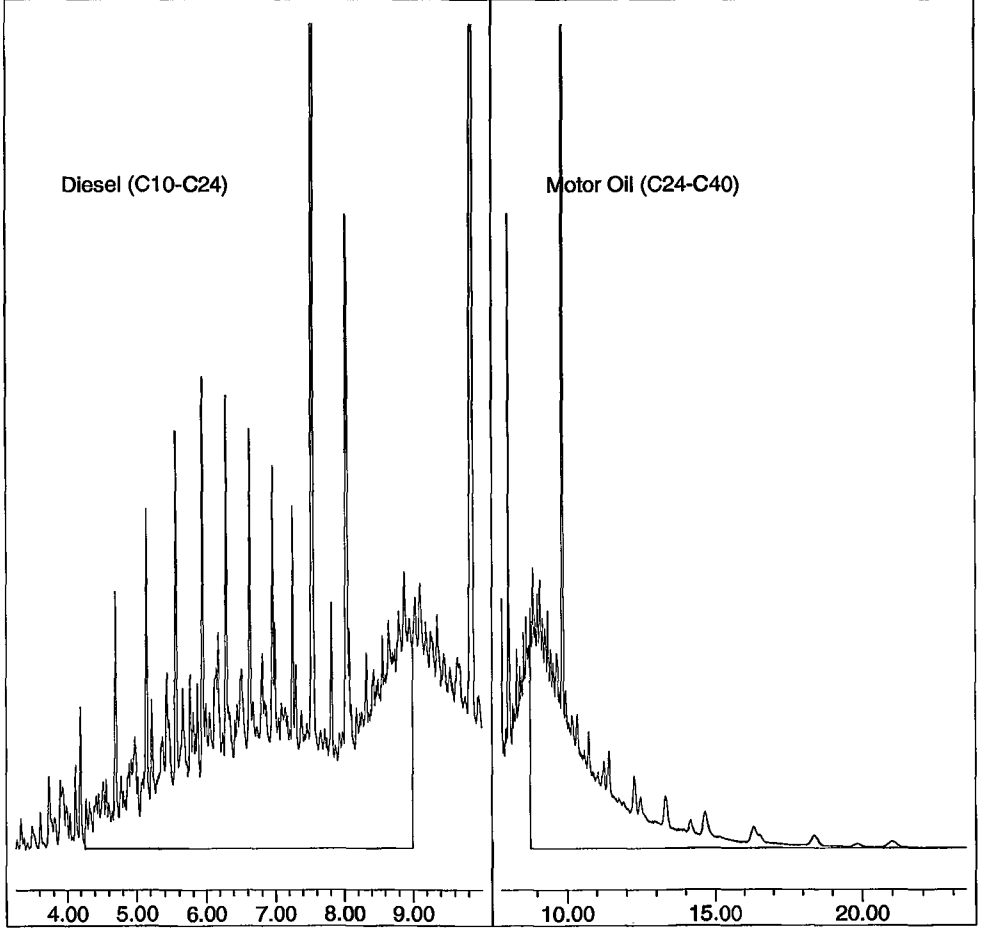
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.54	211238717	203.842 ppb
Surrogate Spike 150.000		Recovery =	135.89%
4) SA Octacosane(S)	9.84	177989371	230.990 ppb
Surrogate Spike 150.000		Recovery =	153.99%
Target Compounds			
1) HATM Diesel (C10-C24)	6.63	2162117475	2676.422 ppb
2) HBTM Motor Oil (C24-C40)	15.62	1805669240	3011.248 ppb

Target Compounds

Data File: G:\APOLLO\DATA\211011\1011020.D
Sample : 210915A LCSD-1 5/1000 SG





Diesel / Motor Oil Calibration Curve

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

Prepared By (Initials): KA

Methylene Chloride
Lot No. 60338

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

Diesel / Motor Oil Second Source

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

Prepared By (Initials): SS

Methylene Chloride Lot No. 58059

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

Decanoic Acid Calibration Curve

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

Expires: 7/12/2022

Methylene Chloride Lot No. 61117

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

Diesel Motor Oil Mix

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

Expires: 9/3/2022

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

THC Surrogate

Prepared: 9/10/2021 **KA**

Expires: 9/10/2022

Initial Standard Information							Final Standard			
Name of Initial Standard (QAU Label)	Supplier	Supplier Part No.	Conc. (ug/mL)	Lot Number - QA Number	Exp. Date (1 yr.)	Exp. Date (Manufacturer)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/mL)
O-terphenyl / Octacosane Mix	Phenova	ALO-130161	600	**CL15440-50953**	**9/10/2022**	**6/30/2025**	N/A	N/A	N/A	600

Decanoic Acid Spike

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

Expires: 7/8/2024

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

Diesel / Motor Oil CCV

Prepared : 10/6/2021

Expires: 5/31/2026

Prepared By (Initials): KA

Methylene Chloride Lot No. 61117

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

Decanoic Acid CCV

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

Expires: 7/8/2024

Methylene Chloride Lot No. 61117

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

_LIQ005SGC

Organic Extraction Worksheet

Method	Continuous Liq/Liq TPH- 3520C w/SGC	Extraction Set	210915A	Extraction Method	LIQ005SGC	Units	mL

Spiked ID 1	Diesel Motor Oil Mix		Surrogate ID 1	THC Surrogate 9/10/21-9/10/22.	
Spiked ID 2	Decanoic 1000ug/mL Acid Solution 9/24/21-		Surrogate ID 2		
Spiked ID 3	9/24/22		Surrogate ID 3		
Spiked ID 4			Surrogate ID 4		
Spiked ID 5			Surrogate ID 5		
Spiked ID 6			Sufficient Vol for Matrix QC:	NO	
Spiked ID 7			Ext. Start Time:		
Spiked ID 8			Ext. End Time:		
			GC Requires Extract By:		

pH1	2		Water Bath Temp 1 °C	
pH2			Water Bath Temp 2 °C	
pH3			Water Bath Temp 3 °C	

Spiked By: **Date** **Witnessed By:** **Date**

	Sample	Sample Container	Spike Amount	Spike ID	Surrogate Amount	Surrogate ID	Extract Amount	Final Volume	pH	Extract Date/Time	Comments
1	210915A Blk		0.050	2	0.250	1 equip	1000	5	2	09/15/21 15:30	*
2	210915A LCS-1		0.080,0.050	1,2	0.250	1 equip	1000	5	2	09/15/21 15:30	*
3	210915A LCSD-1		0.080,0.050	1,2	0.250	1 equip	1000	5	2	09/15/21 15:30	*
4	BA40209	BA40209W08	0.050	2	0.250	1 equip	1000	5	2	09/15/21 15:30	97466 *
5	BA40211	BA40211W07	0.050	2	0.250	1 equip	1000	5	2	09/15/21 15:30	97466 *
6	BA40213	BA40213W08	0.050	2	0.250	1 equip	1000	5	2	09/15/21 15:30	97466 *
7	BA40215	BA40215W08	0.050	2	0.250	1 equip	1020	5	2	09/15/21 15:30	97466 *
8	BA40216	BA40216W08	0.050	2	0.250	1 equip	1030	5	2	09/15/21 15:30	97466 *

Solvent and Lot#	
1+1 HCL (5mLs)	60282
PH Strips	HC1555968
Dichloromethane (DCM)	61117
Filter Paper	400181
Sodium Sulfate	17B155209
SILICA GEL (*)	.

Extraction COC Transfer	
Extraction lab employee Initials	
GC analyst's initials	EA
Date	9/18/21
Time	15:09
Refrigerator	Hobart

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

Modified	9/16/2021 7:20:13 AM

Reviewed By: **Date**

Injection Log

Directory: G:\APOLLO\DATA\210830\

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	4	830004.D	1	DMO STD Curve 1	water	8-30-21 14:23:31
2	5	830005.D	1	DMO STD Curve 2	water	8-30-21 14:52:00
3	6	830006.D	1	DMO STD Curve 3	water	8-30-21 15:20:31
4	7	830007.D	1	DMO STD Curve 4	water	8-30-21 15:48:59
5	8	830008.D	1	DMO STD Curve 5	water	8-30-21 16:17:29
6	9	830009.D	1	DMO STD Curve 6	water	8-30-21 16:45:57
7	10	830010.D	1	DMO STD Curve 7	water	8-30-21 17:14:26
8	11	830011.D	1	DMO Second Source	water	8-30-21 17:43:02
9	2	911002.D	1	Decanoic Acid STD 1	water	9-11-21 10:22:53
10	3	911003.D	1	Decanoic Acid STD 2	water	9-11-21 10:51:11
11	4	911004.D	1	Decanoic Acid STD 3	water	9-11-21 11:19:39
12	5	911005.D	1	Decanoic Acid STD 4	water	9-11-21 11:48:04
13	6	911006.D	1	Decanoic Acid STD 5	water	9-11-21 12:16:37
14	7	911007.D	1	Decanoic Acid STD 6	water	9-11-21 12:45:02
15	4	1011004.D	1	Diesel Motor Oil CCV 10/06/21	water	10-11-21 14:47:10
16	5	1011005.D	1	Decanoic Acid CCV 10/08/21	water	10-11-21 15:15:26
17	18	1011018.D	5	210915A BLK 5/1000 SG	water	10-11-21 21:22:53
18	19	1011019.D	5	210915A LCS-1 5/1000 SG	water	10-11-21 21:51:00
19	20	1011020.D	5	210915A LCSD-1 5/1000 SG	water	10-11-21 22:19:11
20	21	1011021.D	5	BA40209W08 5/1000 SG	water	10-11-21 22:47:15
21	22	1011022.D	1	Diesel Motor Oil CCV 10/06/21	water	10-11-21 23:15:23
22	23	1011023.D	1	Decanoic Acid CCV 10/08/21	water	10-11-21 23:43:27
23	24	1011024.D	5	BA40211W07 5/1000 SG	water	10-12-21 0:11:34
24	25	1011025.D	5	BA40213W08 5/1000 SG	water	10-12-21 0:39:40
25	26	1011026.D	4.90196	BA40215W08 5/1020 SG	water	10-12-21 1:07:47
26	27	1011027.D	4.85437	BA40216W08 5/1030 SG	water	10-12-21 1:35:52
27	28	1011028.D	1	Diesel Motor Oil CCV 10/06/21	water	10-12-21 2:03:59
28	29	1011029.D	1	Decanoic Acid CCV 10/08/21	water	10-12-21 2:32:04

ORGANICS
Calibration Data

TPH Extractables
DOC0831

Form 6
Initial Calibration

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

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

1.751305

Quantitation Report (Not Reviewed)

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

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

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

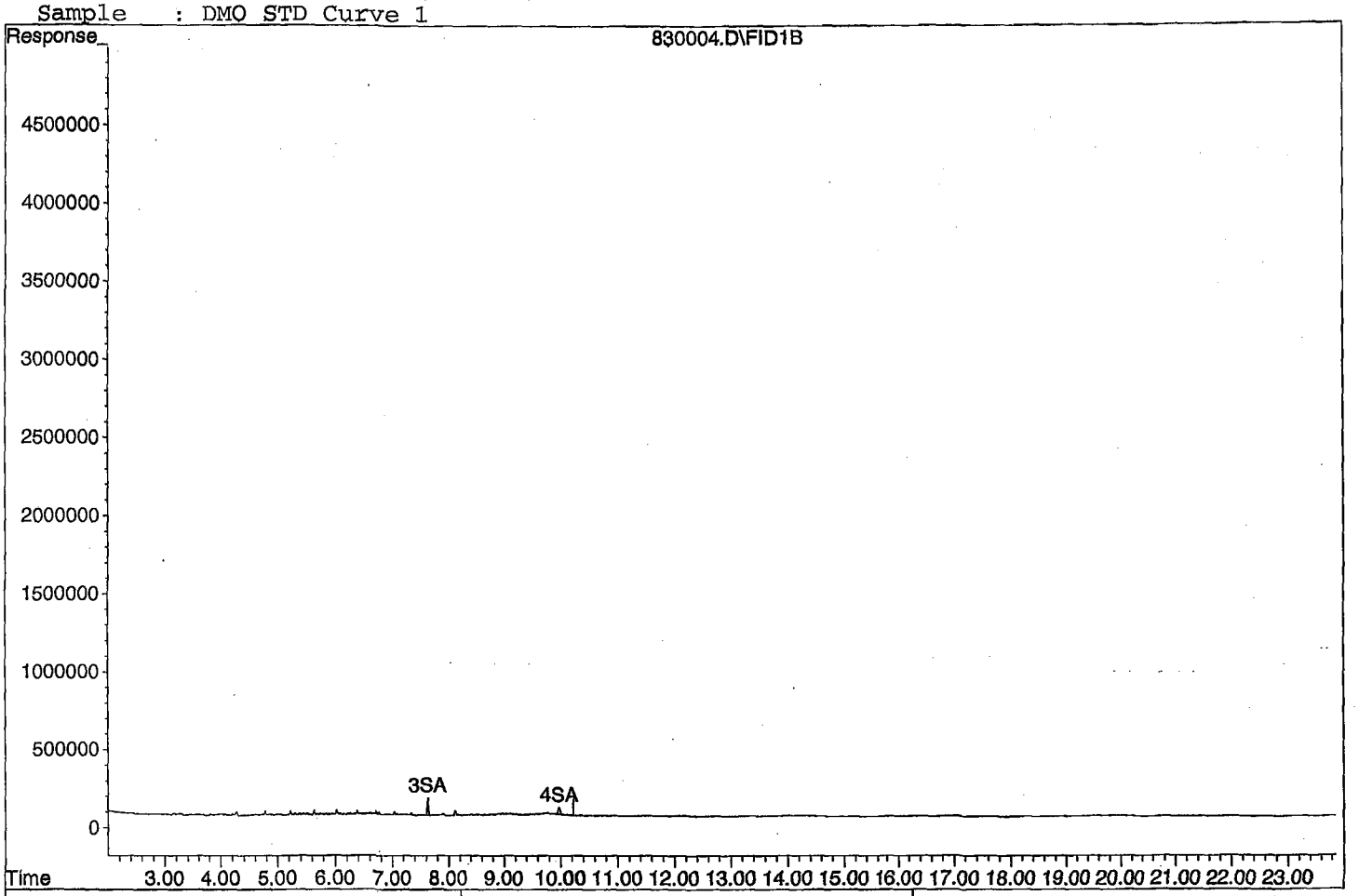
Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
3) SA Ortho-Terphenyl(S)	7.63	1426613	0.275	ppb
Surrogate Spike 30.000	Recovery =		0.92%	
4) SA Octacosane(S)	9.98	1055167	0.274	ppb
Surrogate Spike 30.000	Recovery =		0.91%	
Target Compounds				
1) HATM Diesel (C10-C24)	6.54	19960961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

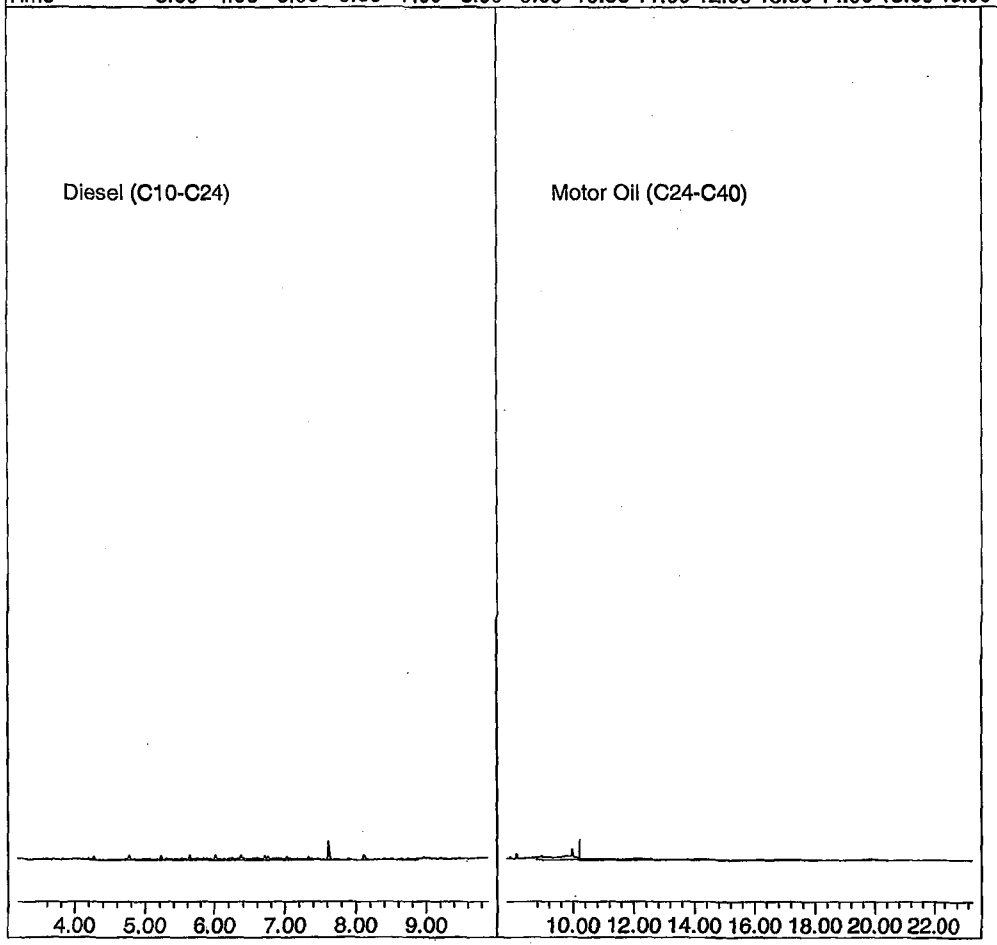
(f)=RT Delta > 1/2 Window

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

Quantitation Report

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





Quantitation Report (Not Reviewed)

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

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

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

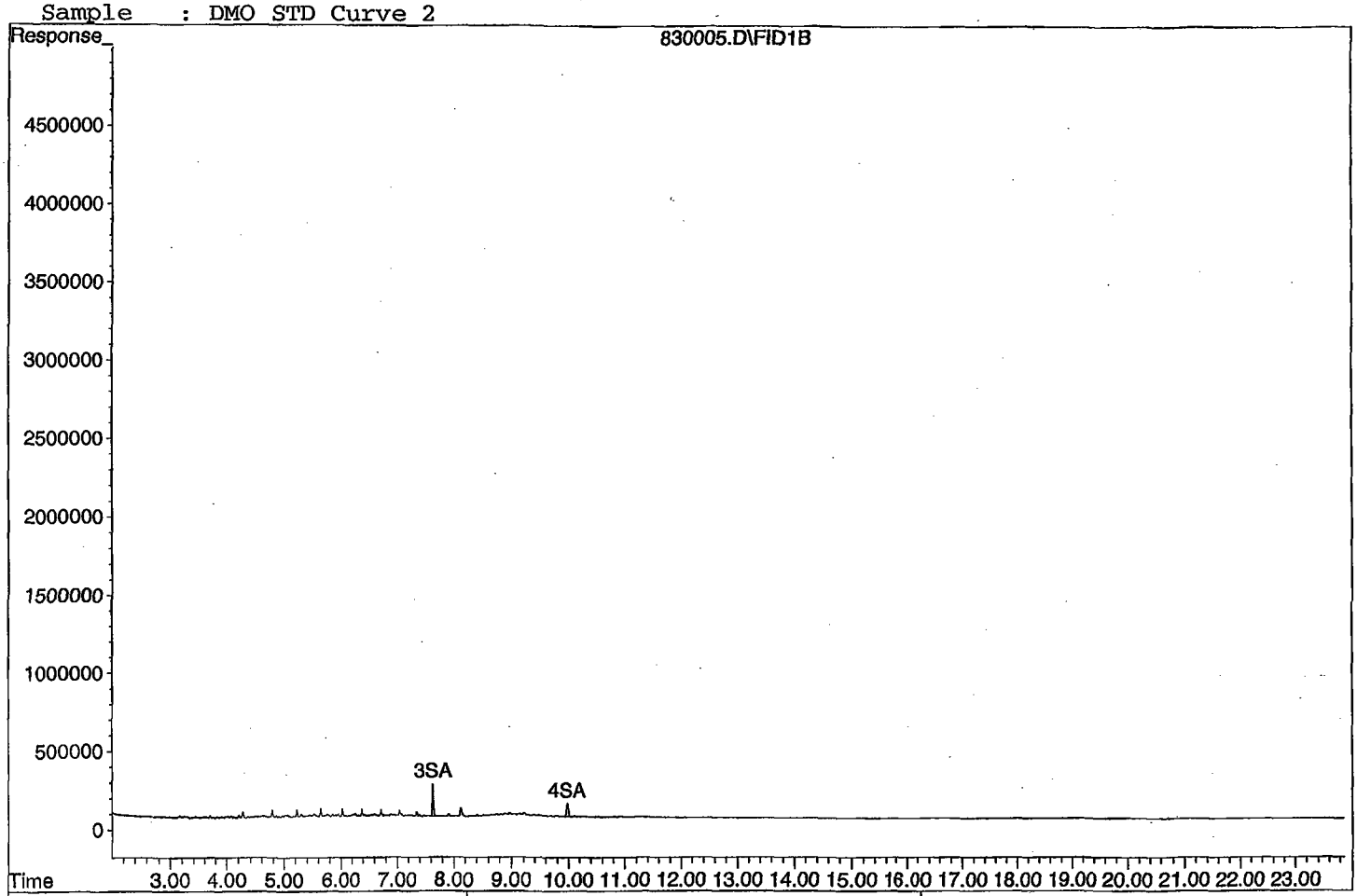
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.63	2657484	0.513 ppb
Surrogate Spike 30.000	Recovery =		1.71%
4) SA Octacosane(S)	9.98	1874119	0.486 ppb
Surrogate Spike 30.000	Recovery =		1.62%
Target Compounds			
1) HATM Diesel (C10-C24)	6.54	41930088	10.381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

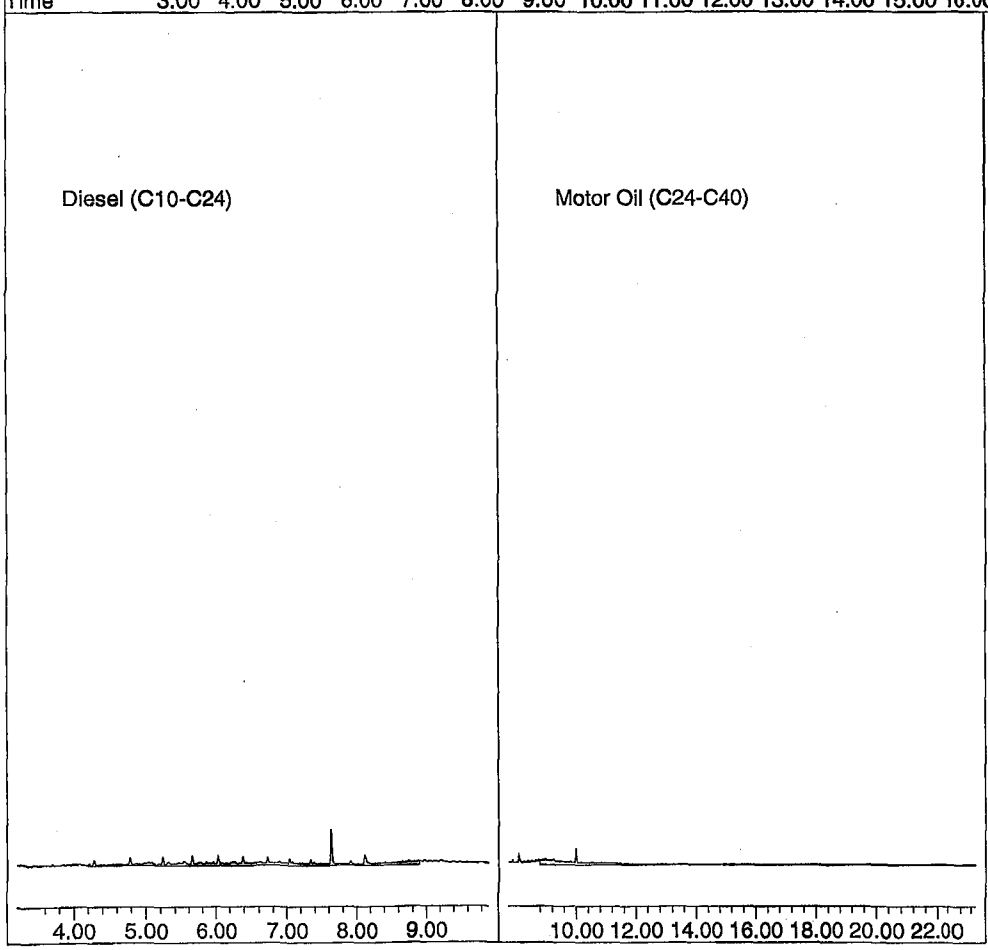
Target Compounds

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

Quantitation Report

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





Quantitation Report (Not Reviewed)

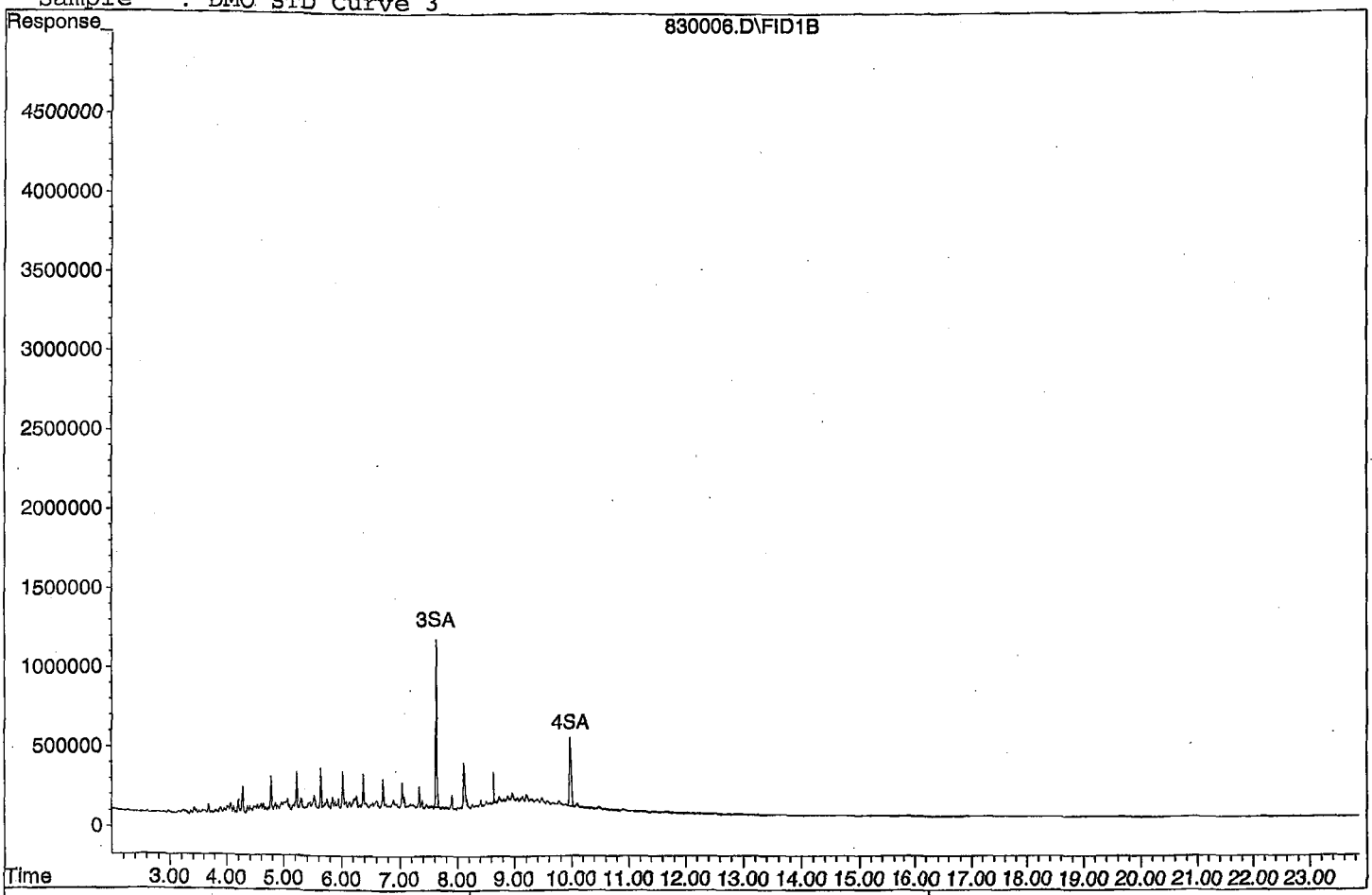
Data File : G:\APOLLO\DATA\210830\830006.D Vial: 6
Acq On : 8-30-21 15:20:31 Operator: KA
Sample : DMO STD Curve 3 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 8 12:55 2021 Quant Results File: DOC0830.RES

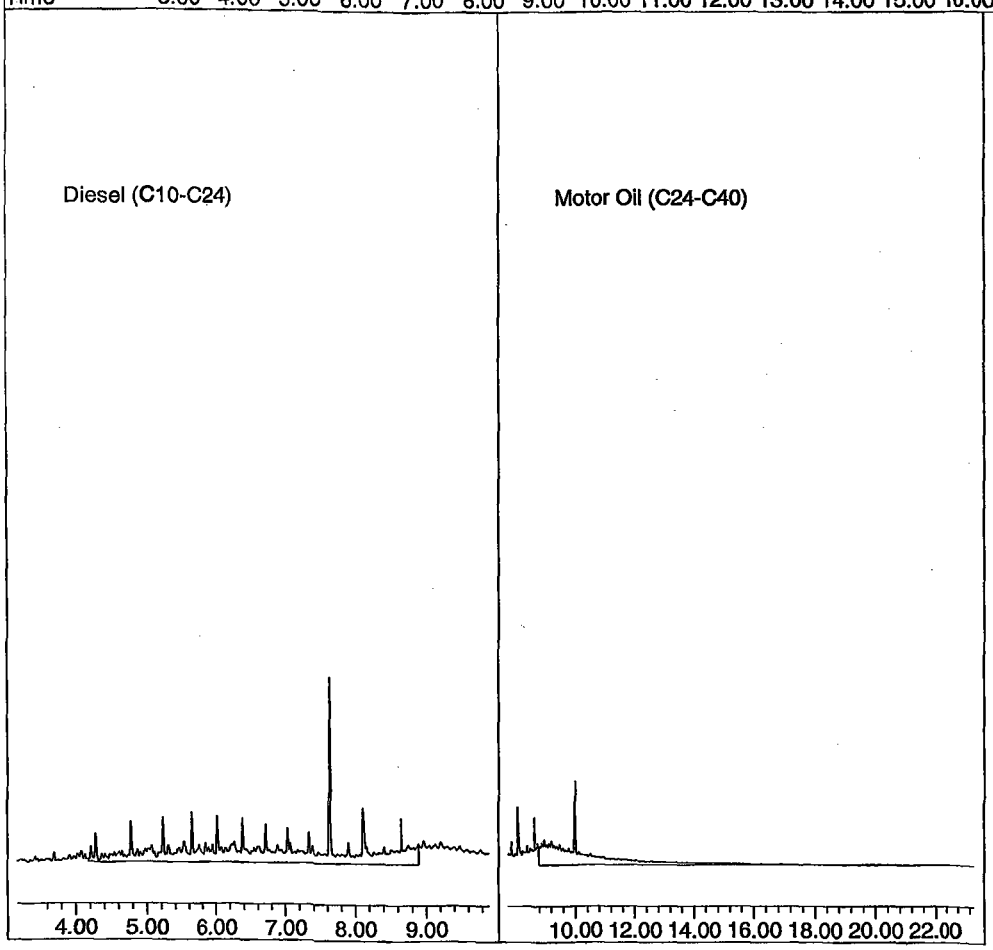
Method : G:\APOLLO\DATA\210830\DOC0830.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Tue Aug 31 09:20:02 2021
Response via : Multiple Level Calibration

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

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

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





Quantitation Report (Not Reviewed)

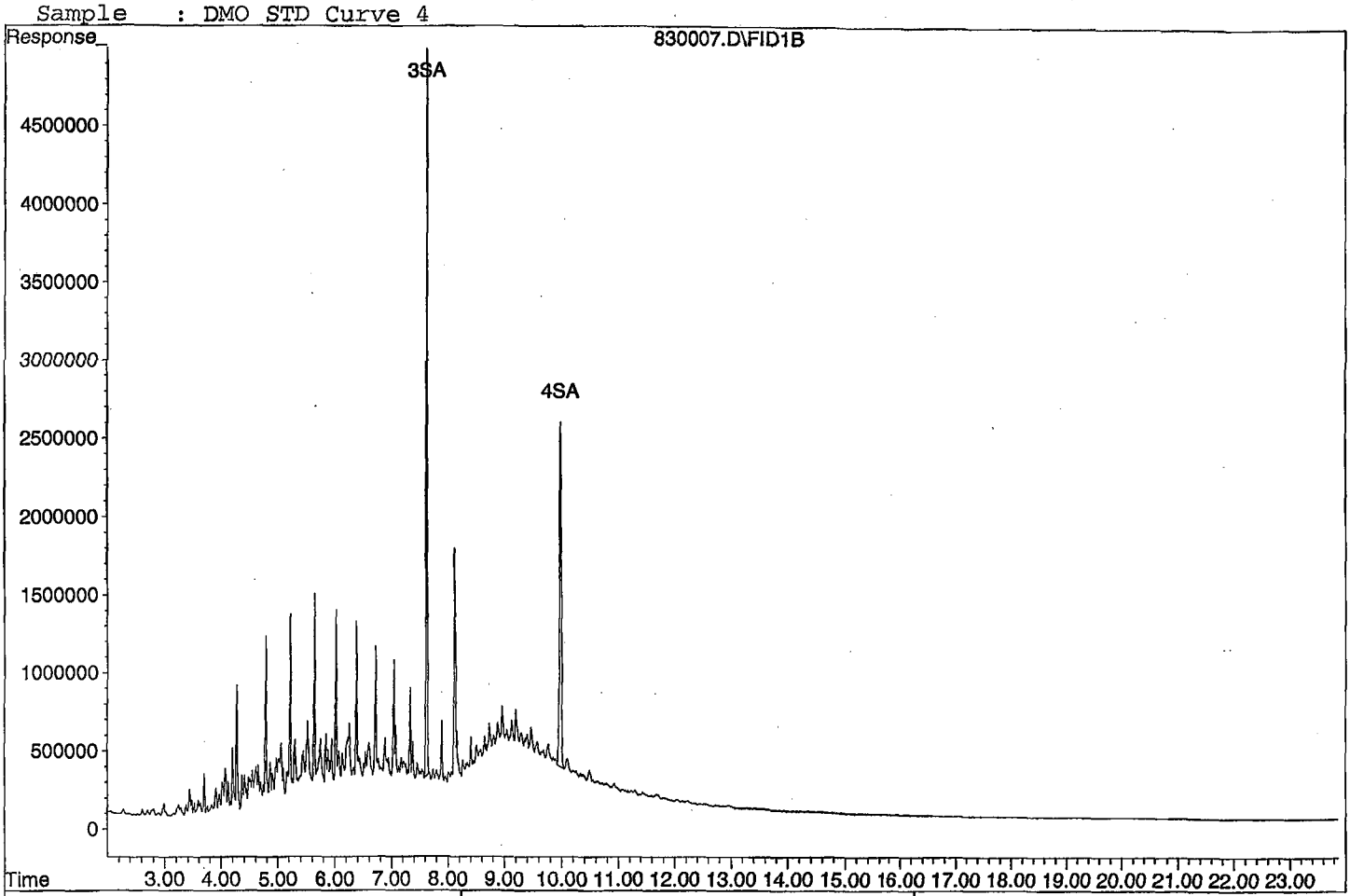
Data File : G:\APOLLO\DATA\210830\830007.D Vial: 7
Acq On : 8-30-21 15:48:59 Operator: KA
Sample : DMO STD Curve 4 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 8 12:55 2021 Quant Results File: DOC0830.RES

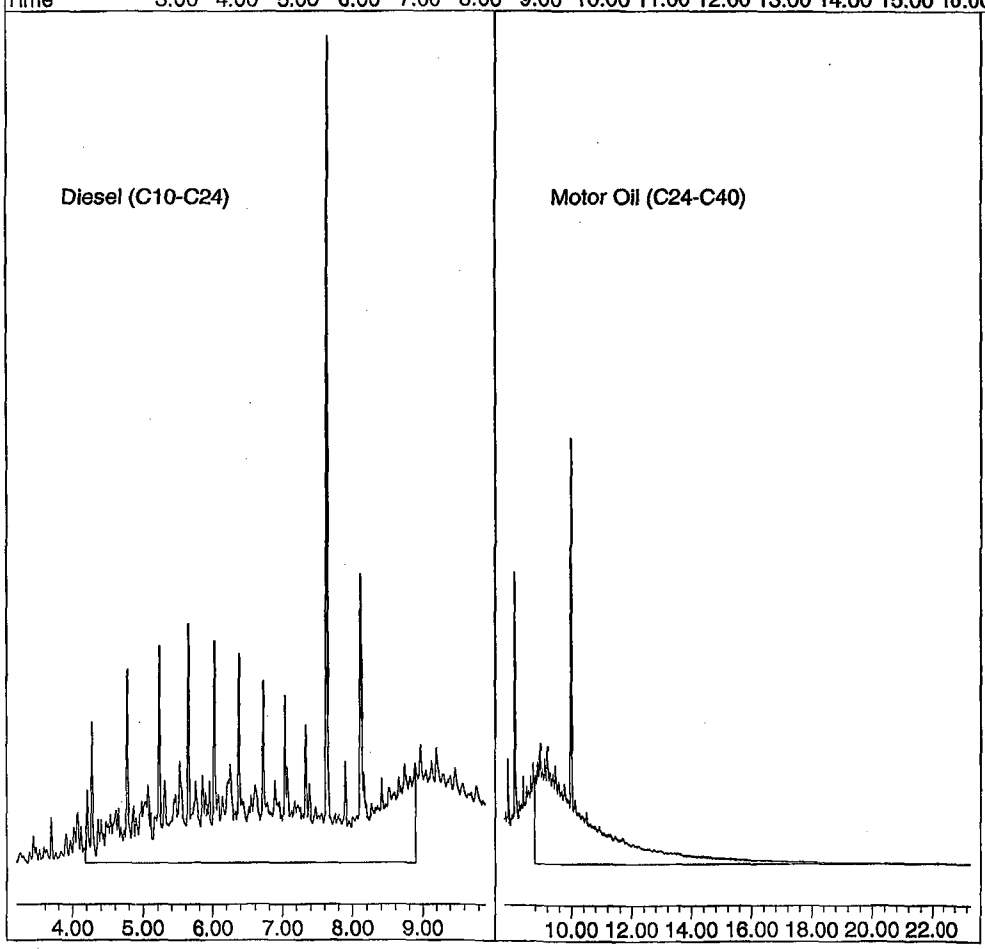
Method : G:\APOLLO\DATA\210830\DOC0830.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Tue Aug 31 09:20:02 2021
Response via : Multiple Level Calibration

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

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

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





Quantitation Report (Not Reviewed)

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

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

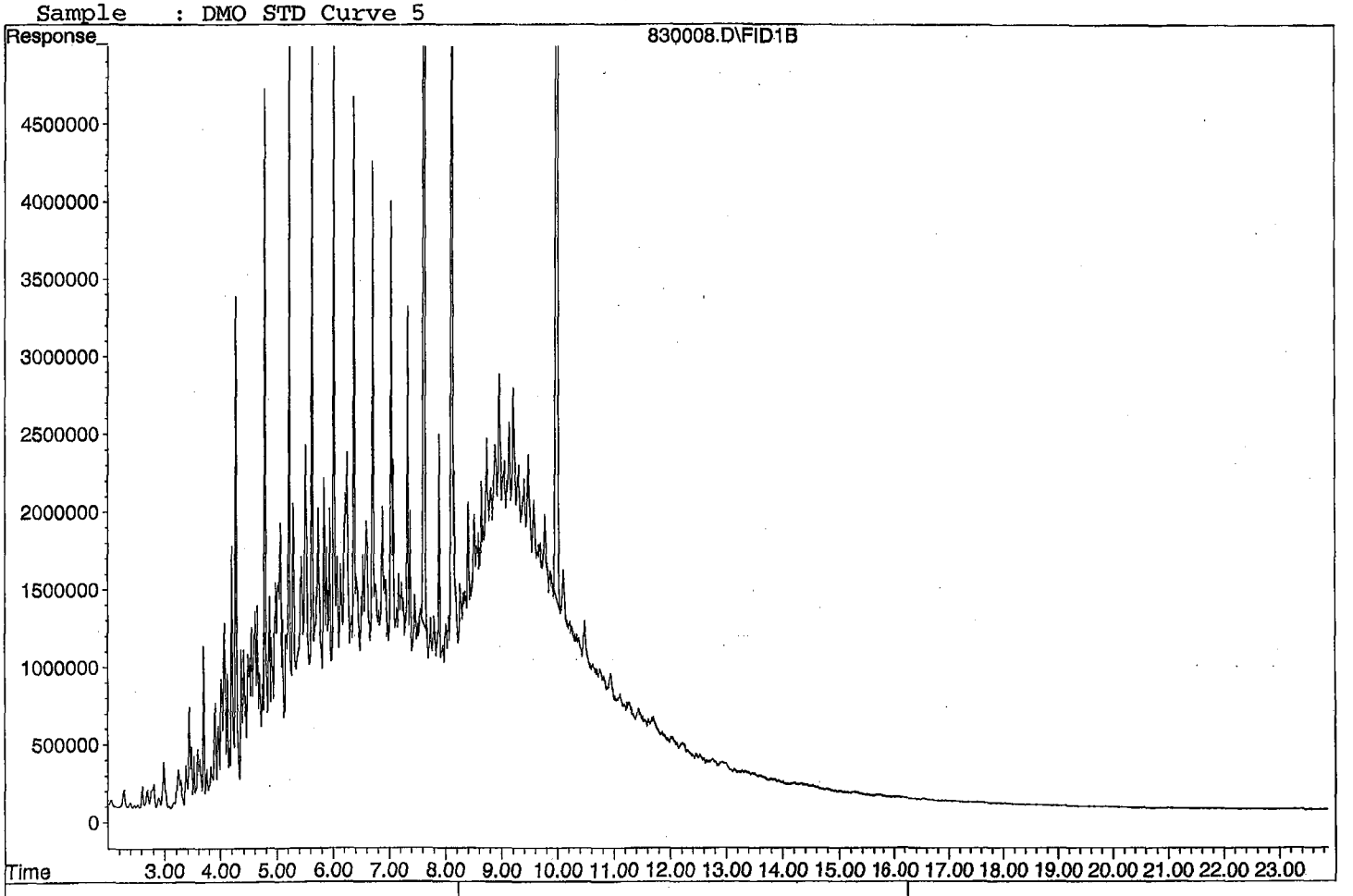
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

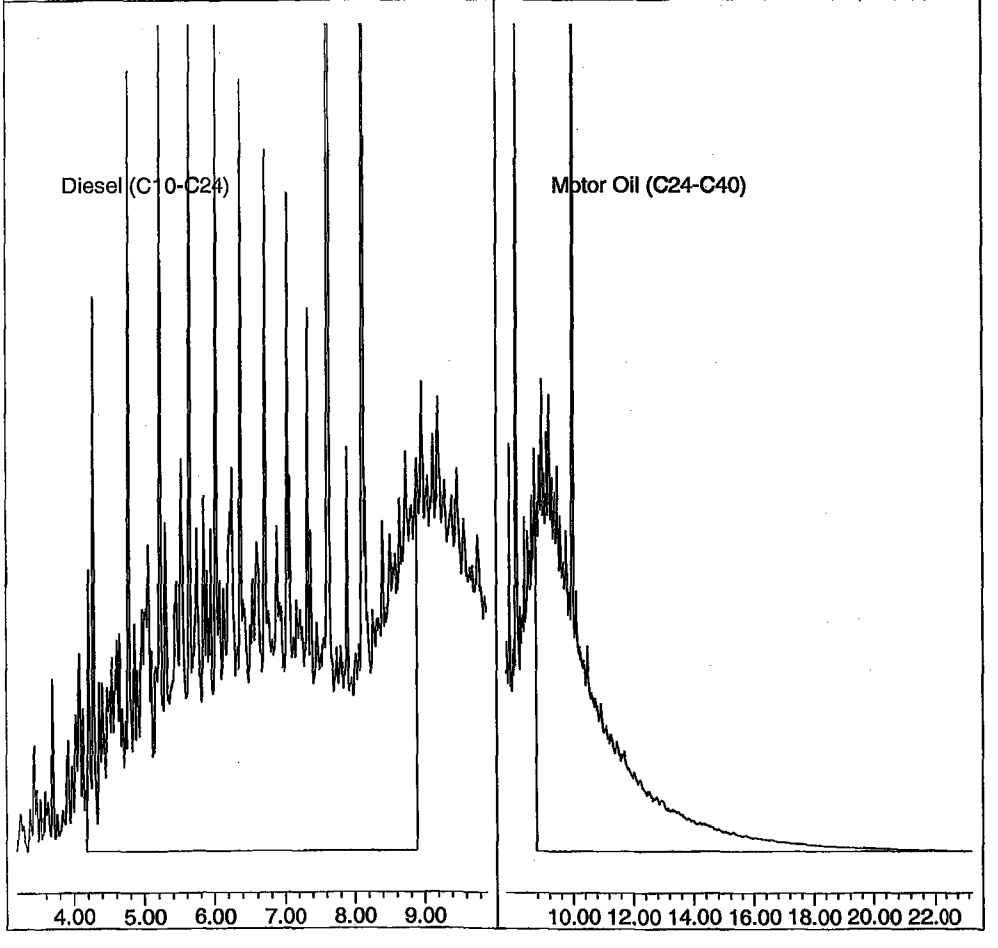
Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
3) SA Ortho-Terphenyl(S)	7.63	246979512	47.666	ppb
Surrogate Spike 30.000		Recovery =	158.89%	
4) SA Octacosane(S)	9.99	187654879	48.707	ppb
Surrogate Spike 30.000		Recovery =	162.36%	
Target Compounds				
1) HATM Diesel (C10-C24)	6.54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

Target Compounds

Quantitation Report

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





Quantitation Report (Not Reviewed)

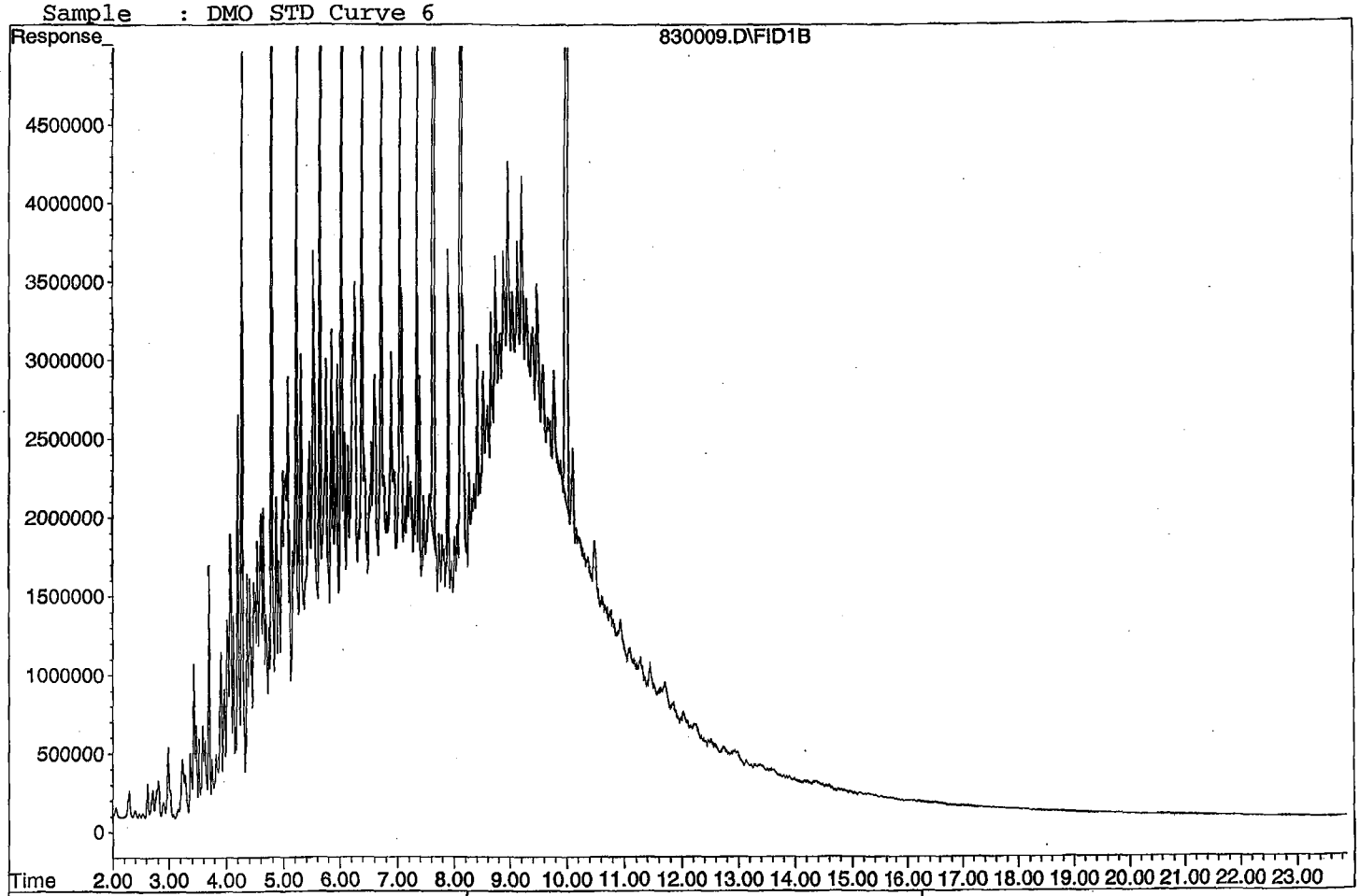
Data File : G:\APOLLO\DATA\210830\830009.D Vial: 9
Acq On : 8-30-21 16:45:57 Operator: KA
Sample : DMO STD Curve 6 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 8 12:55 2021 Quant Results File: DOC0830.RES

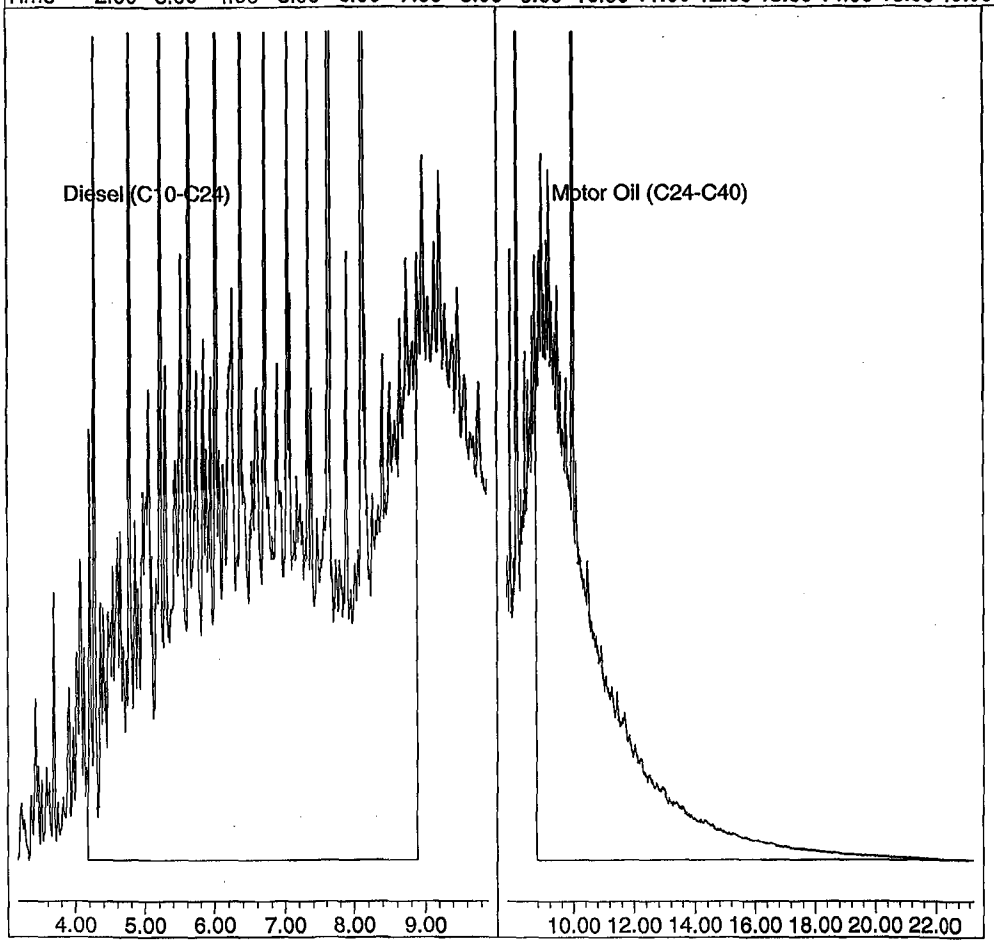
Method : G:\APOLLO\DATA\210830\DOC0830.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Tue Aug 31 09:20:02 2021
Response via : Multiple Level Calibration

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

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

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





Quantitation Report (Not Reviewed)

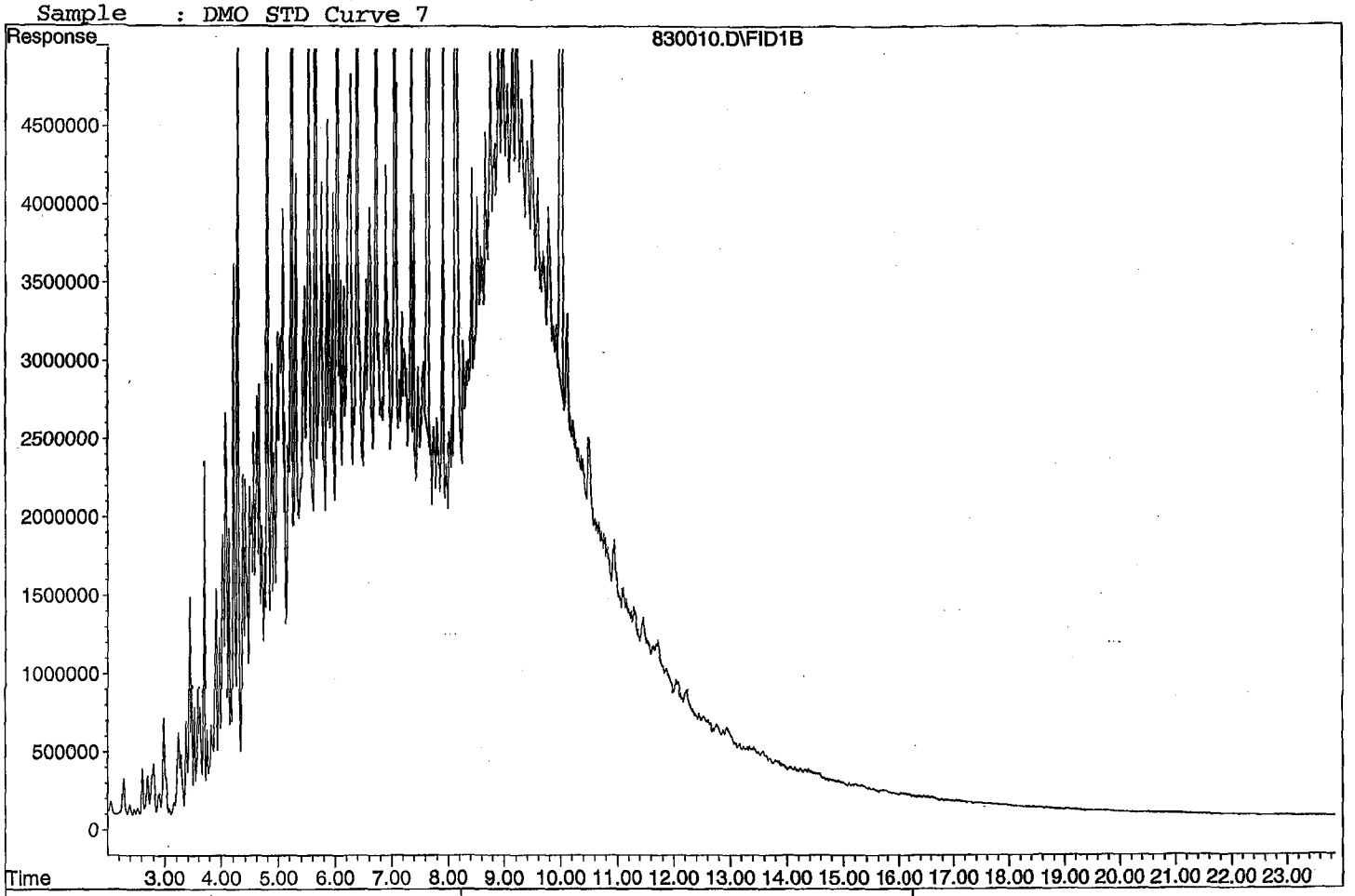
Data File : G:\APOLLO\DATA\210830\830010.D Vial: 10
Acq On : 8-30-21 17:14:26 Operator: KA
Sample : DMO STD Curve 7 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 8 12:55 2021 Quant Results File: DOC0830.RES

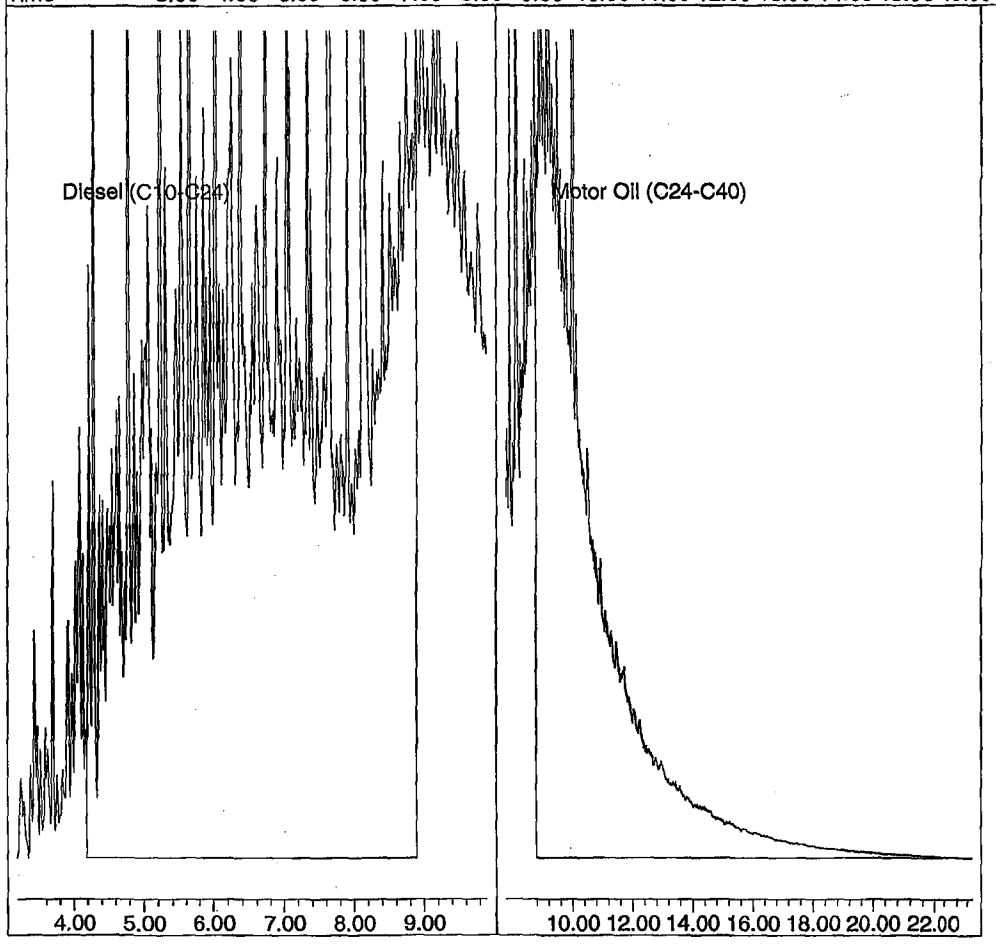
Method : G:\APOLLO\DATA\210830\DOC0830.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Tue Aug 31 09:20:02 2021
Response via : Multiple Level Calibration

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

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

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





TPH Extractables
DOC0831

Form 7

Second Source Calibration

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

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

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

Quantitation Report (Not Reviewed)

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

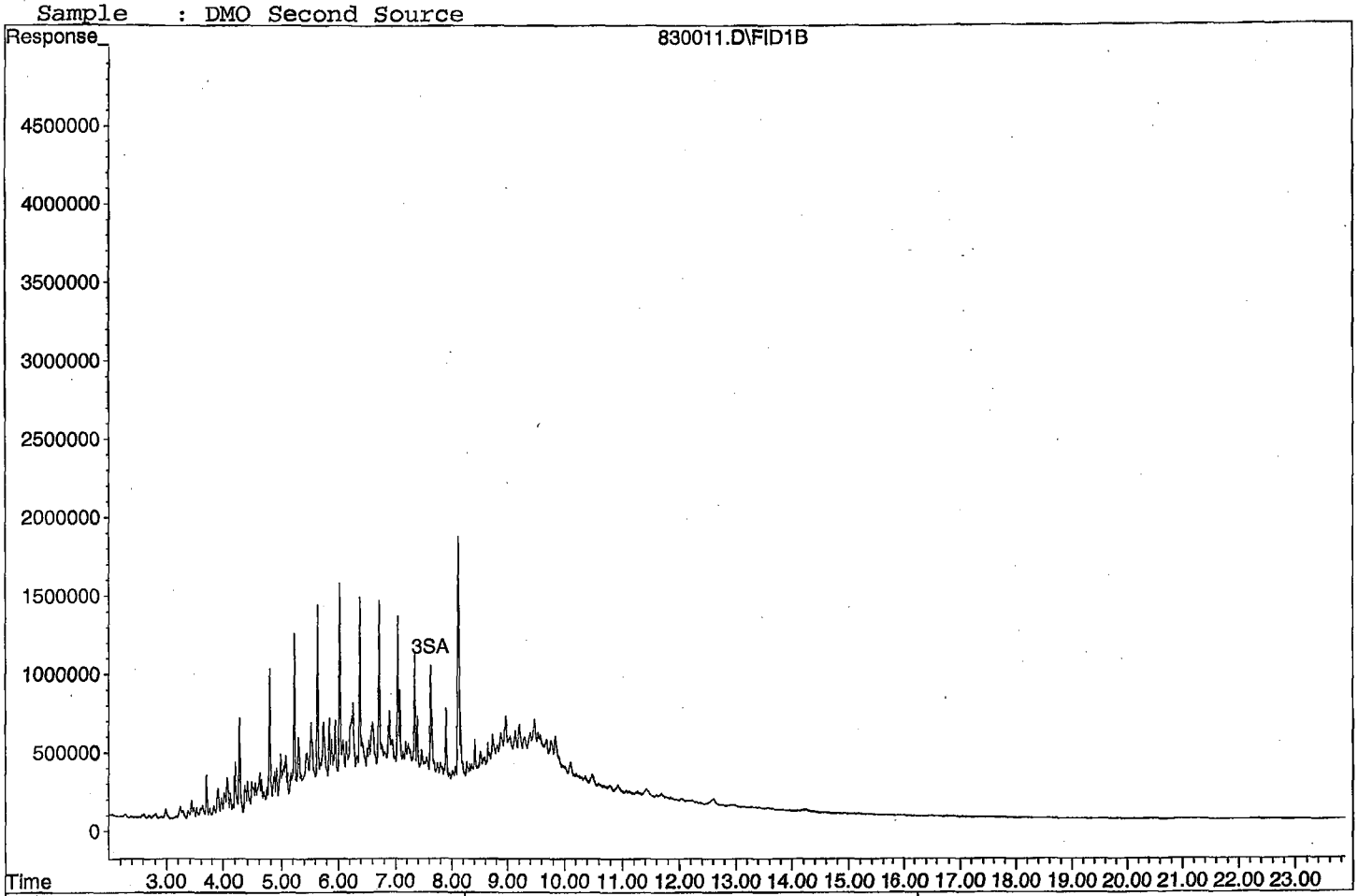
Method : G:\APOLLO\DATA\210830\DOC0830.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Tue Aug 31 09:20:02 2021
Response via : Multiple Level Calibration

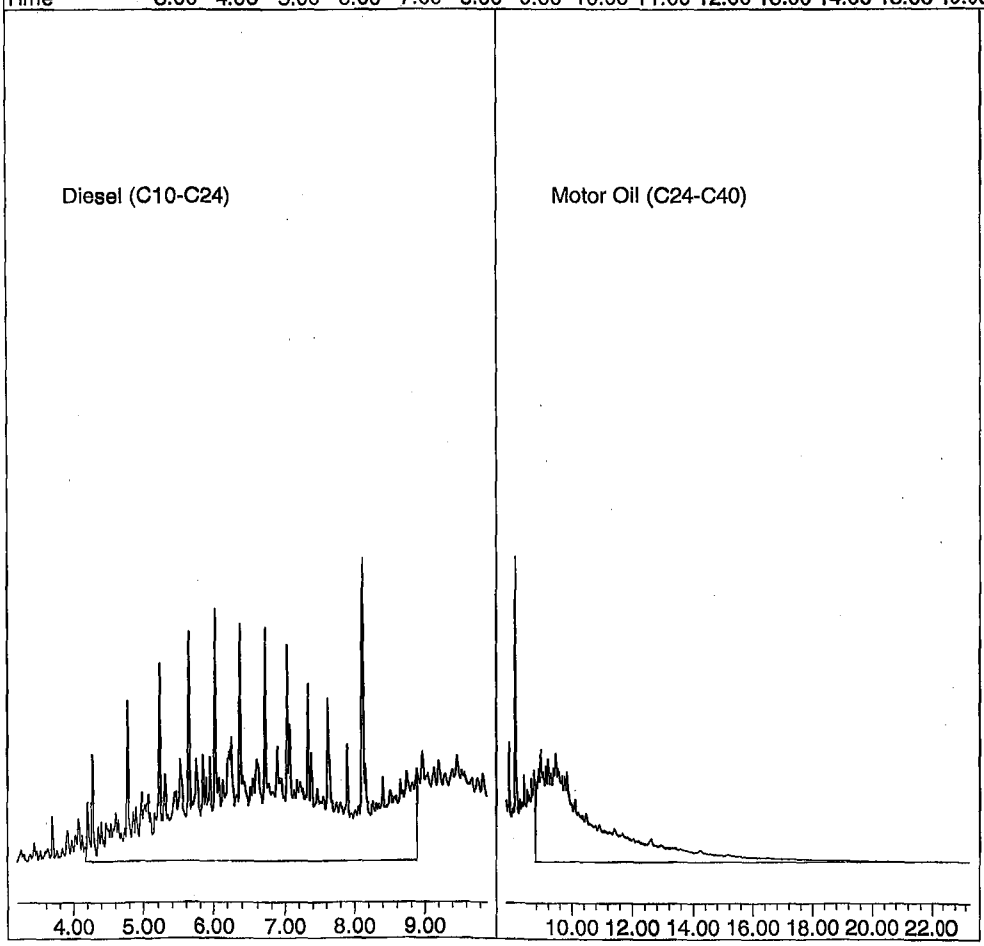
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

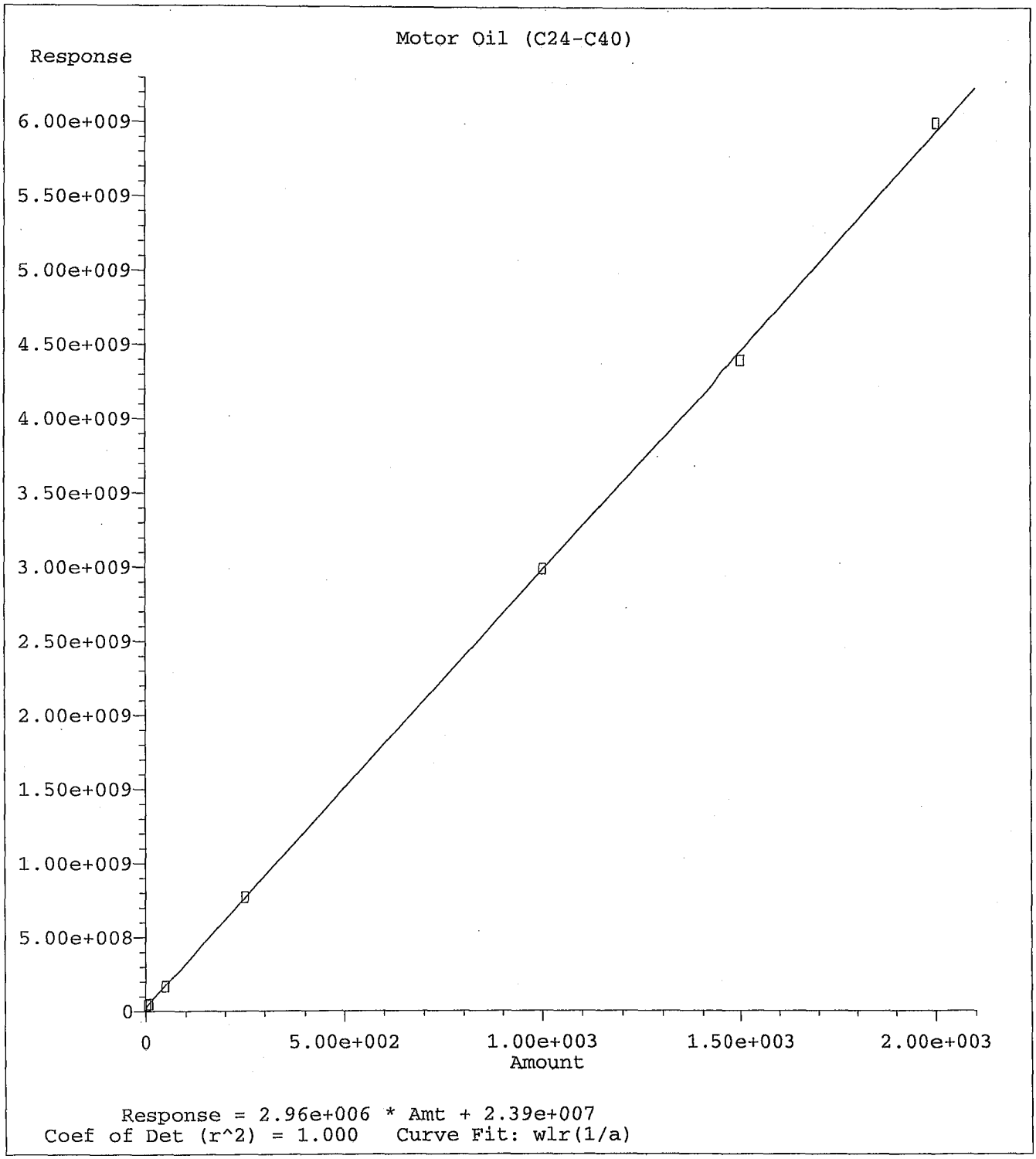
Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
3) SA Ortho-Terphenyl(S)	7.62	4475122	0.864	ppb
Surrogate Spike 30.000	Recovery =		2.88%	
4) SA Octacosane(S)	9.98	-56148	N.D.	ppb
Surrogate Spike 30.000	Recovery =		0.00%	
Target Compounds				
1) HATM Diesel (C10-C24)	6.54	1110816428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

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

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







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

TPH Extractables
DOC0831

Form 7

Continuing Calibration

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

SDG No:
Date Analyzed: 10/10/2021
Instrument: Apollo
Initial Cal. Date: 8/30/2021
Data File: 1007160.D

		Compound	MEAN	CCRF	%D	%Drift	
1	HATM	Diesel (C10-C24)	2019600	2100770	4.0	HATM	
2	HBTM	Motor Oil (C24-C40)	2035830	1456200	28	HBTML	4.8
3	SA	Ortho-Terphenyl(S)	2590720	2747310	6.0	SA	
4	SA	Octacosane(S)	1926380	2004070	4.0	SA	
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		Average			10.5		

Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\211007\1007160.D Vial: 60
Acq On : 10-10-21 20:34:42 Operator: KA
Sample : Diesel Motor Oil CCV 10/6/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 11 8:11 2021 Quant Results File: DOC0830.RES

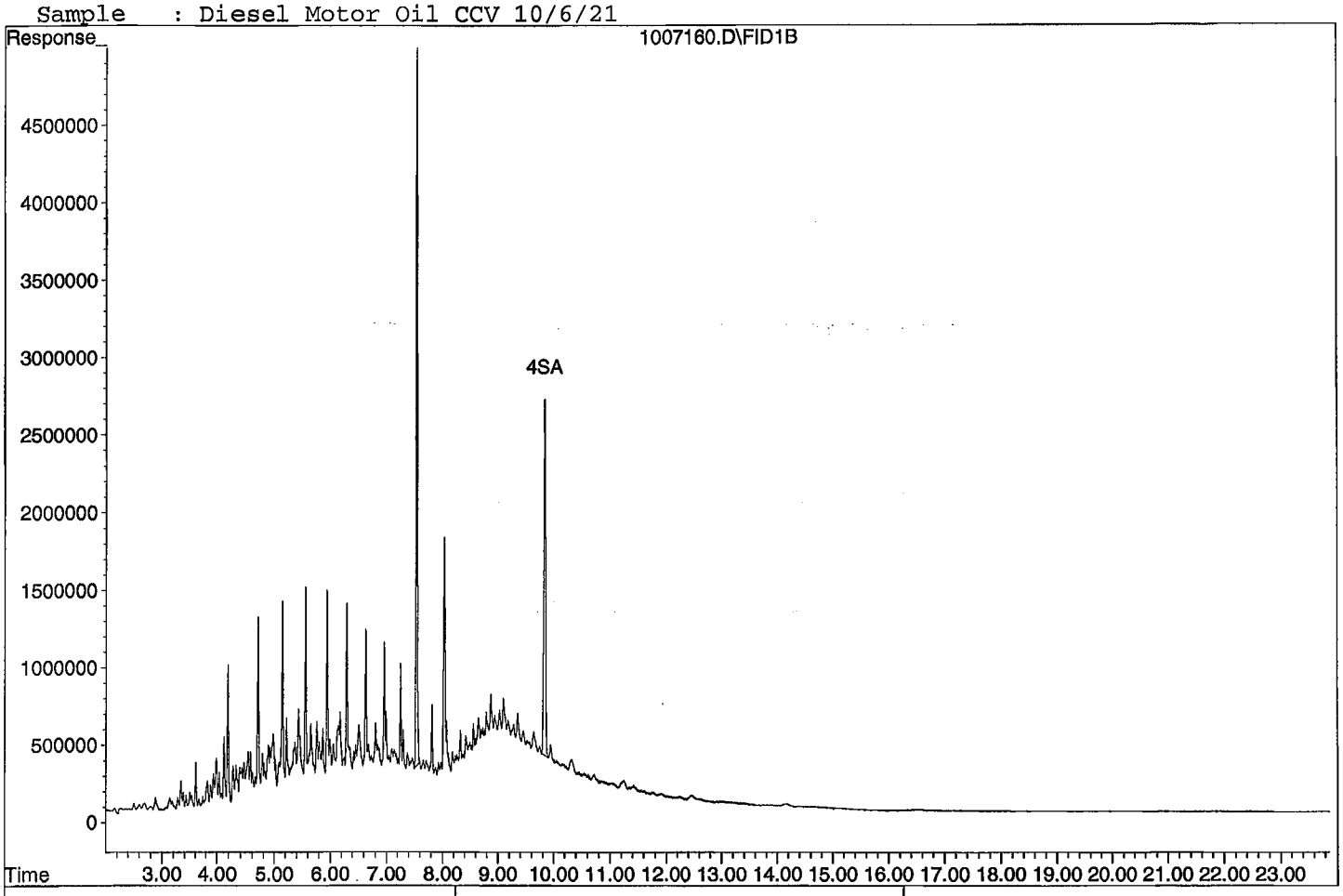
Method : G:\APOLLO\DATA\211007\DOC0830.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Mon Oct 11 17:41:08 2021
Response via : Multiple Level Calibration

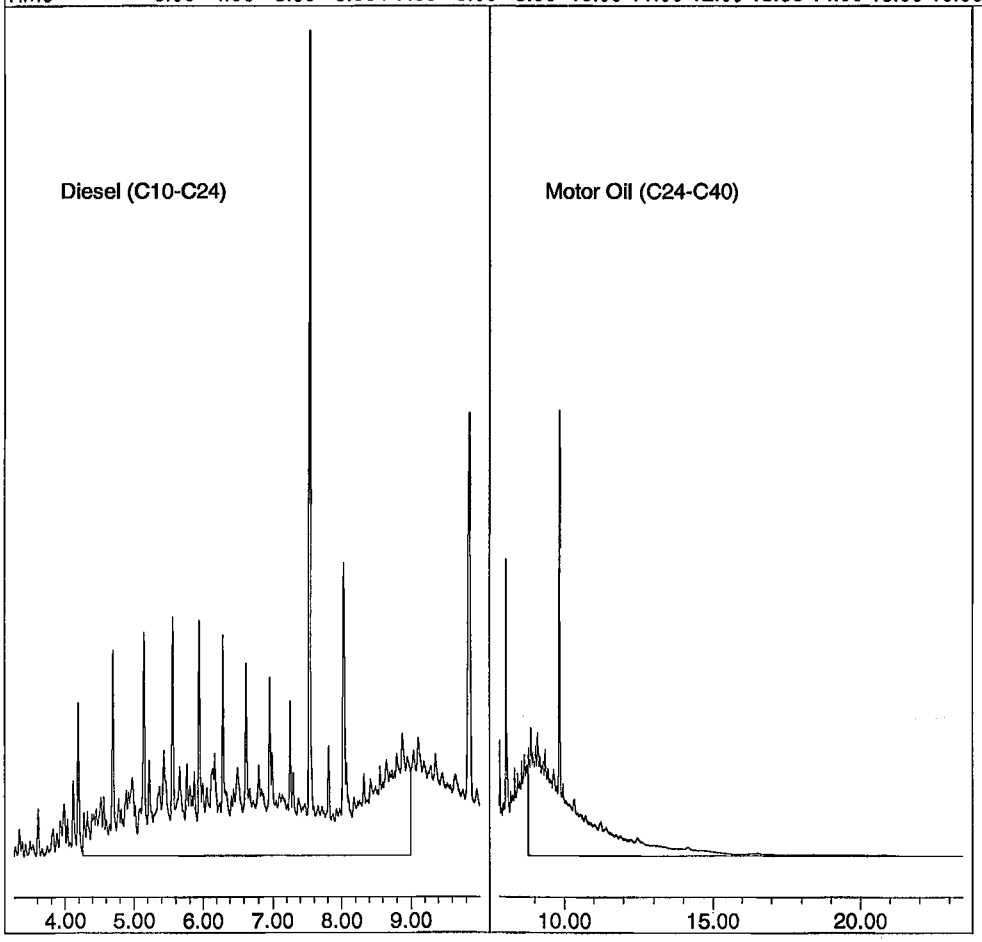
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.54	68682720	13.256 ppb
Surrogate Spike 30.000	Recovery =		44.19%
4) SA Octacosane(S)	9.84	50101791	13.004 ppb
Surrogate Spike 30.000	Recovery =		43.35%
Target Compounds			
1) HATM Diesel (C10-C24)	6.63	1050386535	260.049 ppb
2) HBTM Motor Oil (C24-C40)	15.62	728097937	238.026 ppb
Target Compounds			

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

Data File: G:\APOLLO\DATA\211007\1007160.D
Sample : Diesel Motor Oil CCV 10/6/21





TPH Extractables
DOC0831

Form 7
Continuing Calibration

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

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

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

Quantitation Report (Not Reviewed)

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

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

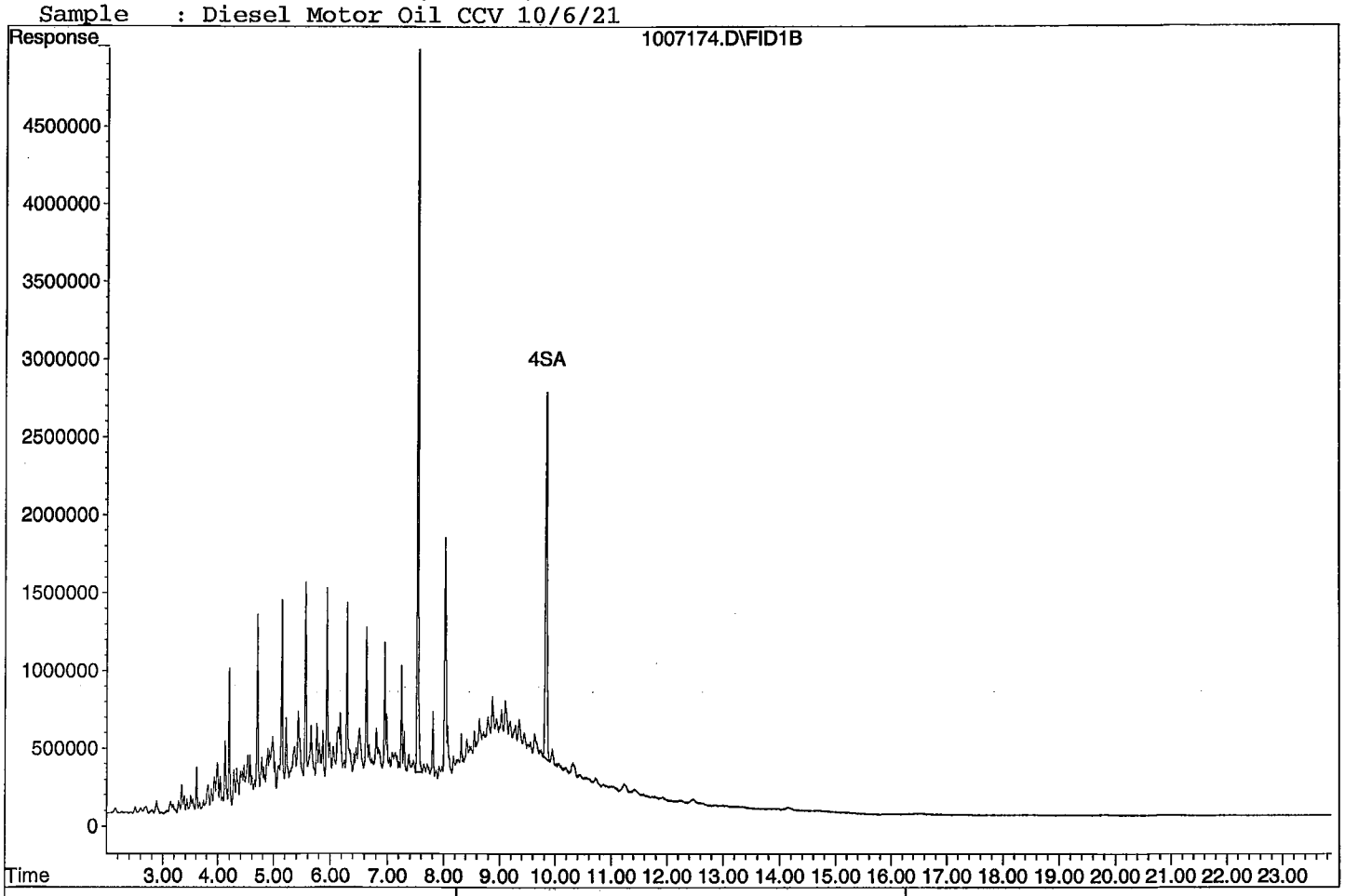
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

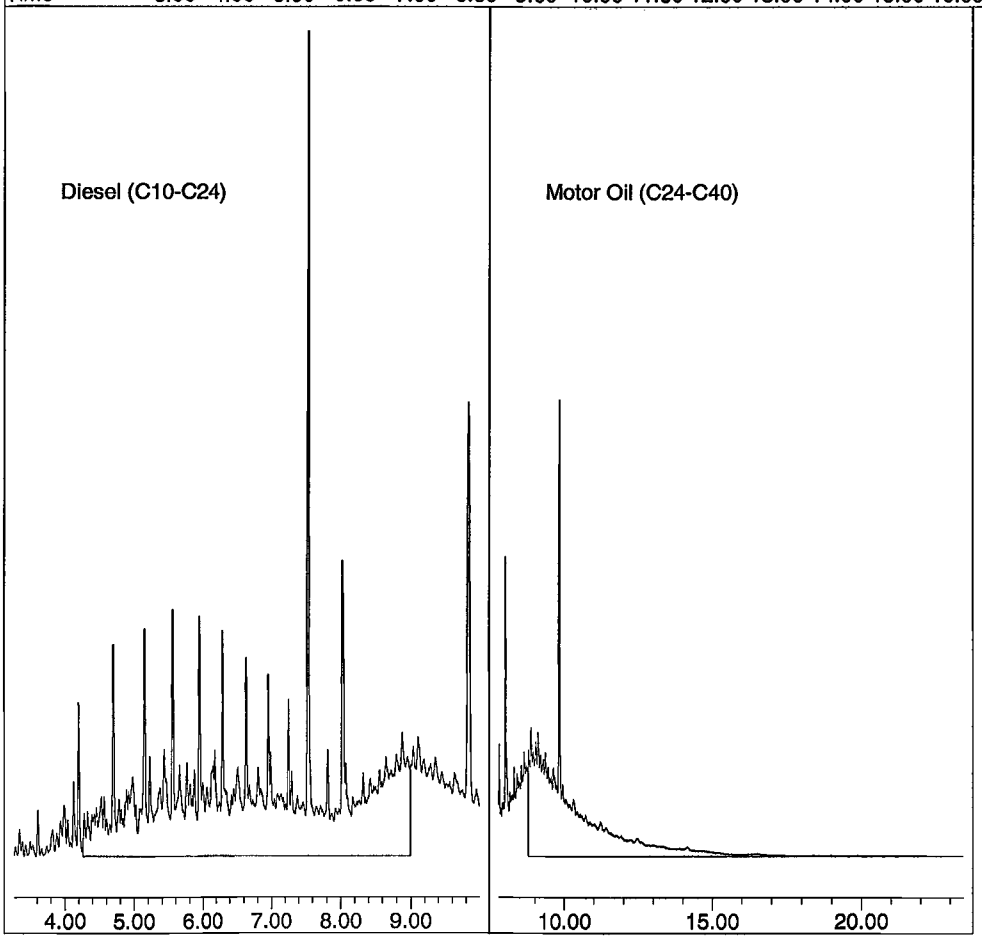
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.54	71338771	13.768 ppb
Surrogate Spike 30.000	Recovery =		45.89%
4) SA Octacosane(S)	9.84	50980522	13.232 ppb
Surrogate Spike 30.000	Recovery =		44.11%
Target Compounds			
1) HATM Diesel (C10-C24)	6.63	1065273432	263.734 ppb
2) HBTM Motor Oil (C24-C40)	15.62	738343715	241.489 ppb

Target Compounds

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

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





TPH Extractables
DOC0831

Form 7

Continuing Calibration

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

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

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

Quantitation Report (Not Reviewed)

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

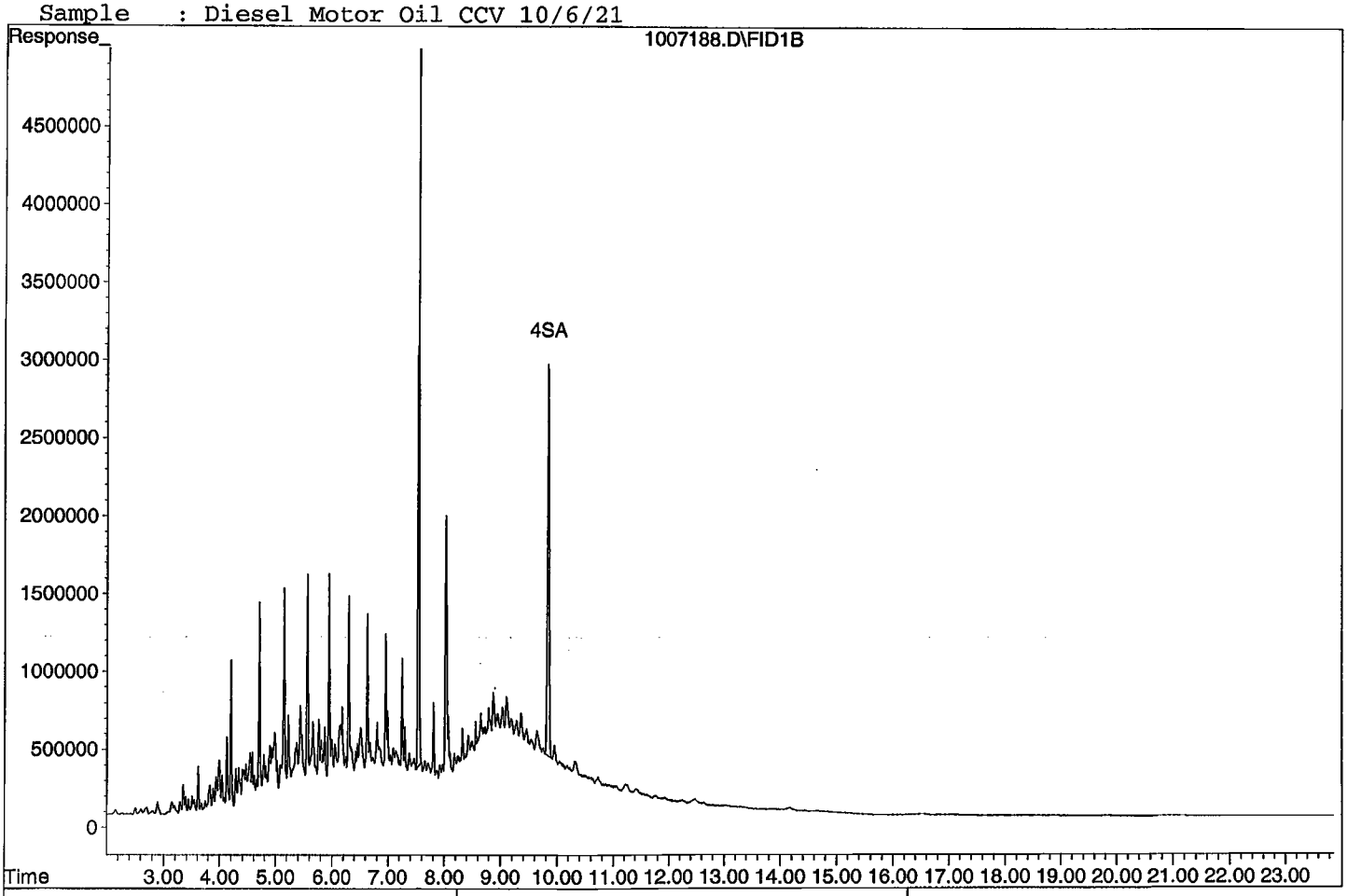
Method : G:\APOLLO\DATA\211007\DOC0830.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Mon Oct 11 17:41:08 2021
Response via : Multiple Level Calibration

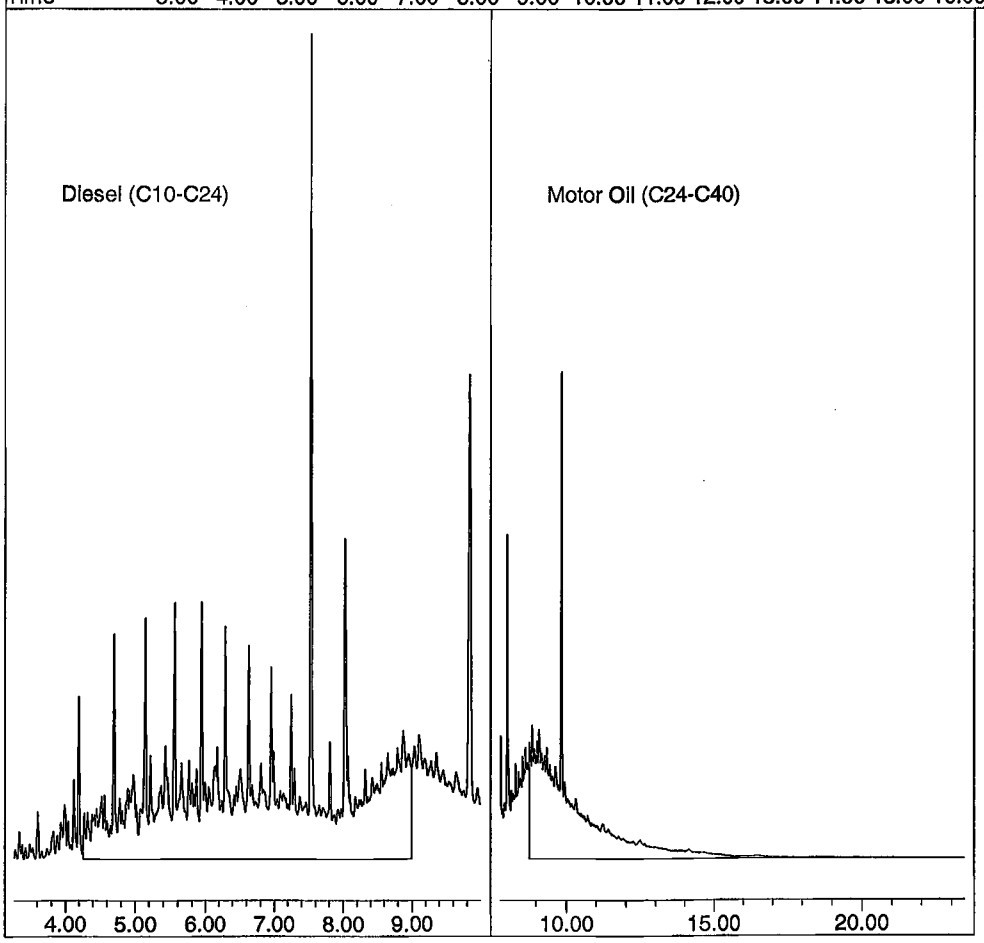
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.54	73478419	14.181 ppb
Surrogate Spike 30.000	Recovery =		47.27%
4) SA Octacosane(S)	9.84	53803497	13.965 ppb
Surrogate Spike 30.000	Recovery =		46.55%
Target Compounds			
1) HATM Diesel (C10-C24)	6.63	1131190536	280.054 ppb
2) HBTM Motor Oil (C24-C40)	15.62	777680124	254.785 ppb
Target Compounds			

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

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





ORGANICS
Raw Data

Quantitation Report (QT Reviewed)

Data File : G:\APOLLO\DATA\211007\1007172.D Vial: 72
Acq On : 10-11-21 2:12:19 Operator: KA
Sample : BA40217W01 5/1000 Inst : Apollo
Misc : water Multiplr: 5.00
IntFile : events.e
Quant Time: Oct 15 11:40 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

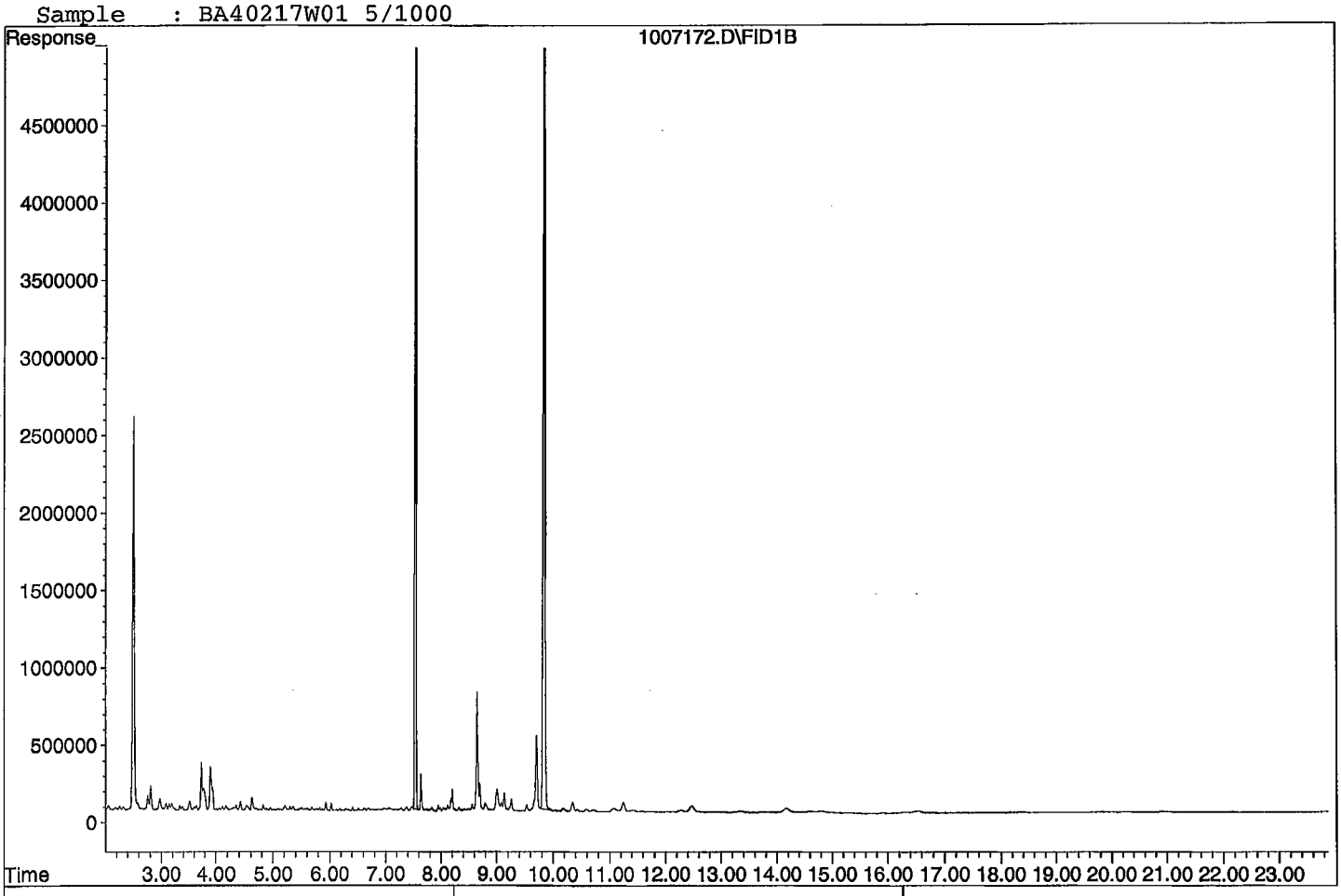
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

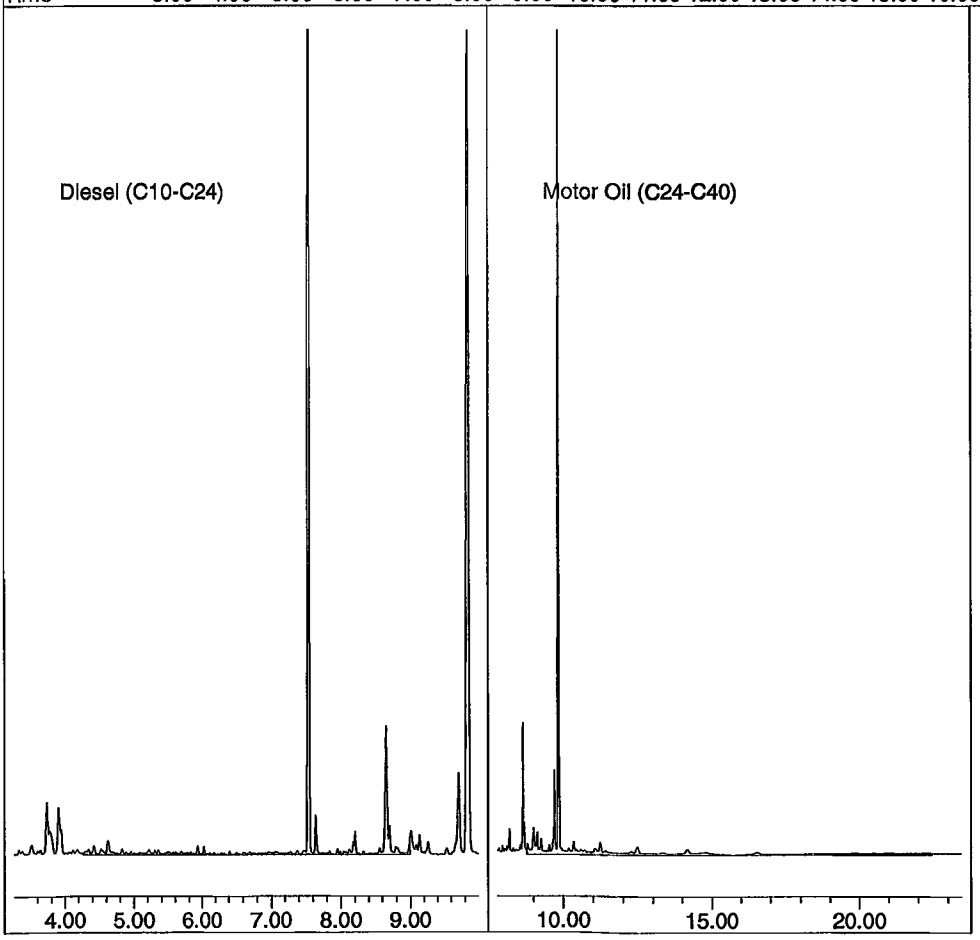
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.54	130799885	126.220 ppb
Surrogate Spike 150.000		Recovery =	84.15%
4) SA Octacosane(S)	9.84	116890266	151.697 ppb
Surrogate Spike 150.000		Recovery =	101.13%
Target Compounds			
1) HATM Diesel (C10-C24)	6.63	55895309	69.191 ppb
2) HBTM Motor Oil (C24-C40)	15.62	130626323	180.389 ppb

Target Compounds

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

Data File: G:\APOLLO\DATA\211007\1007172.D
Sample : BA40217W01 5/1000





Quantitation Report (QT Reviewed)

Data File : G:\APOLLO\DATA\211007\1007173.D Vial: 73
Acq On : 10-11-21 2:40:24 Operator: KA
Sample : BA40218W01 5/1000 Inst : Apollo
Misc : water Multiplr: 5.00
IntFile : events.e
Quant Time: Oct 15 11:44 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

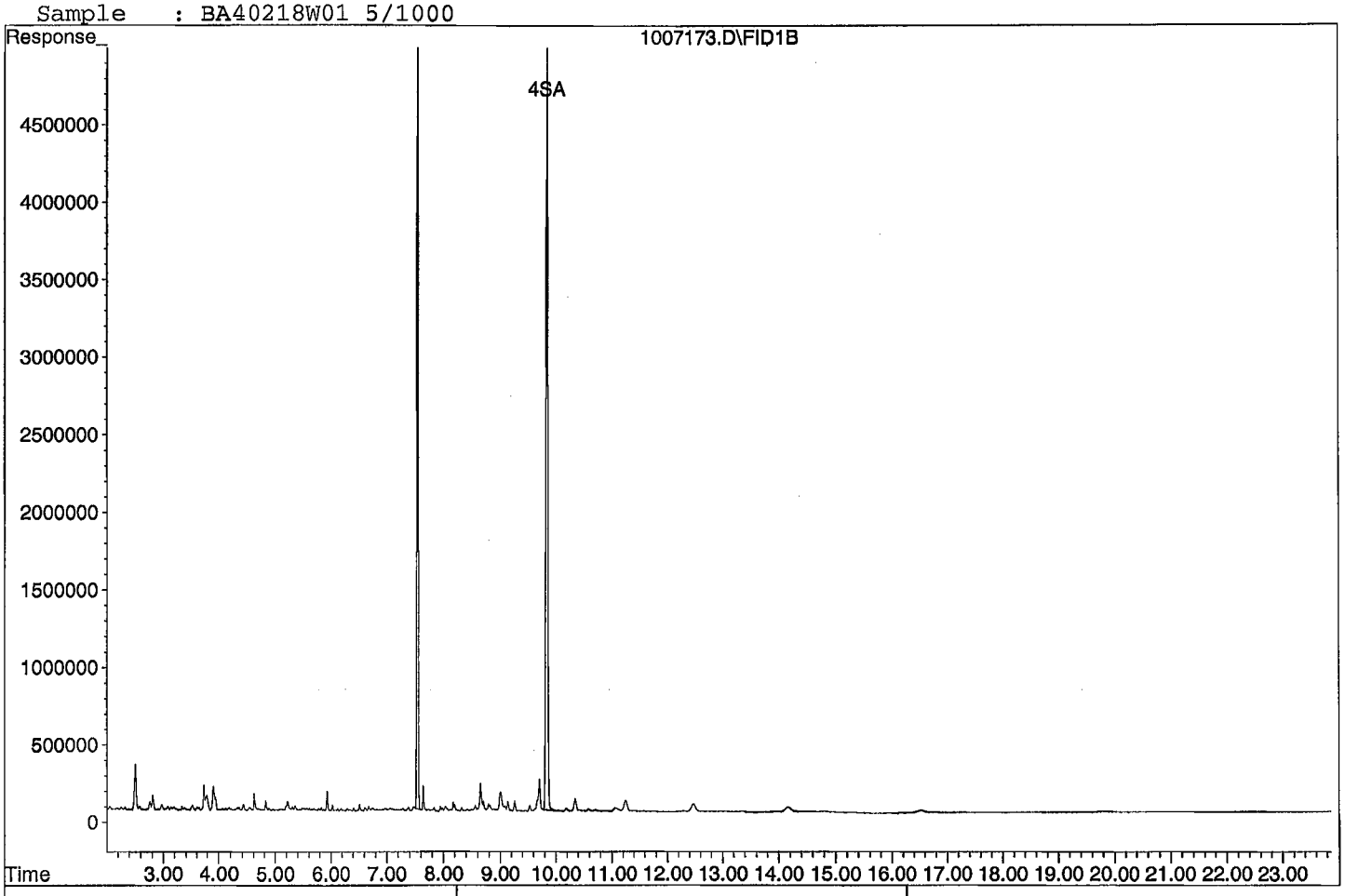
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

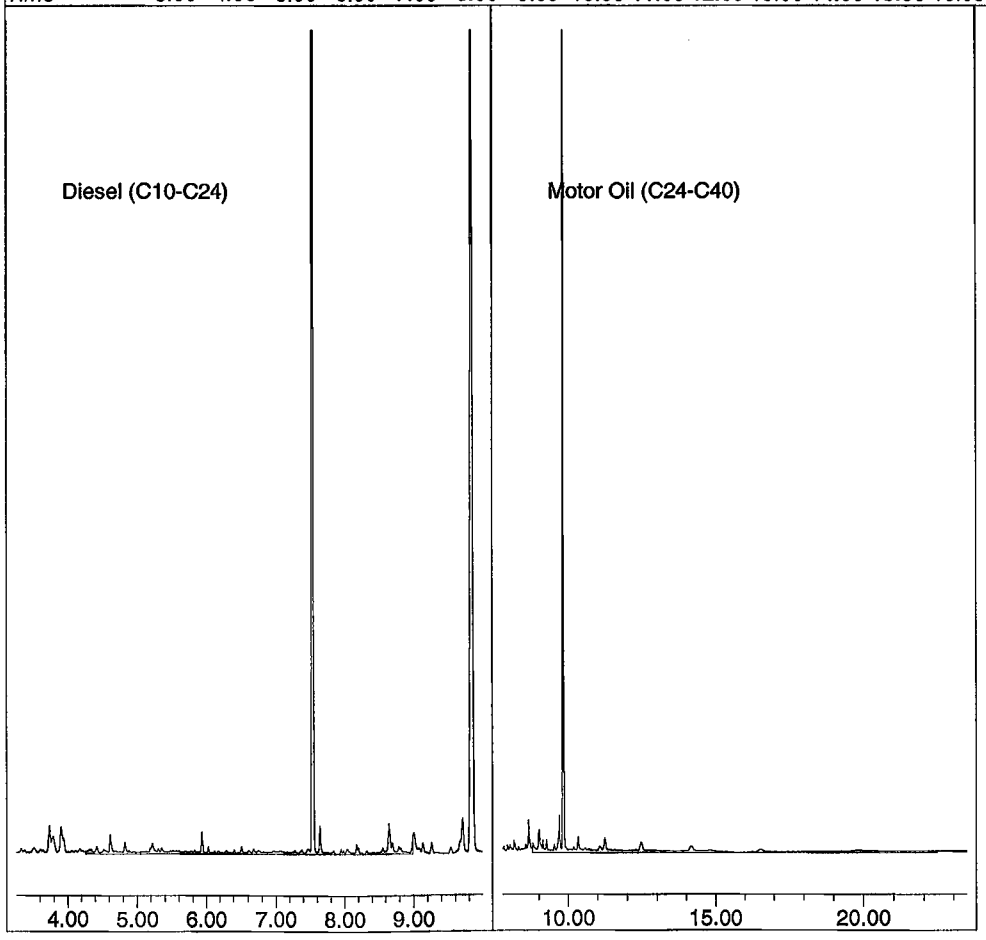
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.54	121036794	116.799 ppb
Surrogate Spike 150.000		Recovery =	77.87%
4) SA Octacosane(S)	9.84	109112021	141.603 ppb
Surrogate Spike 150.000		Recovery =	94.40%
Target Compounds			
1) HATM Diesel (C10-C24)	6.63	52008971	64.380 ppb
2) HBTM Motor Oil (C24-C40)	15.62	116962324	157.296 ppb

Target Compounds

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

Data File: G:\APOLLO\DATA\211007\1007173.D
Sample : BA40218W01 5/1000





Quantitation Report (QT Reviewed)

Data File : G:\APOLLO\DATA\211007\1007175.D Vial: 75
Acq On : 10-11-21 3:36:35 Operator: KA
Sample : BA40219W01 5/1000 Inst : Apollo
Misc : water Multiplr: 5.00
IntFile : events.e
Quant Time: Oct 15 11:46 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

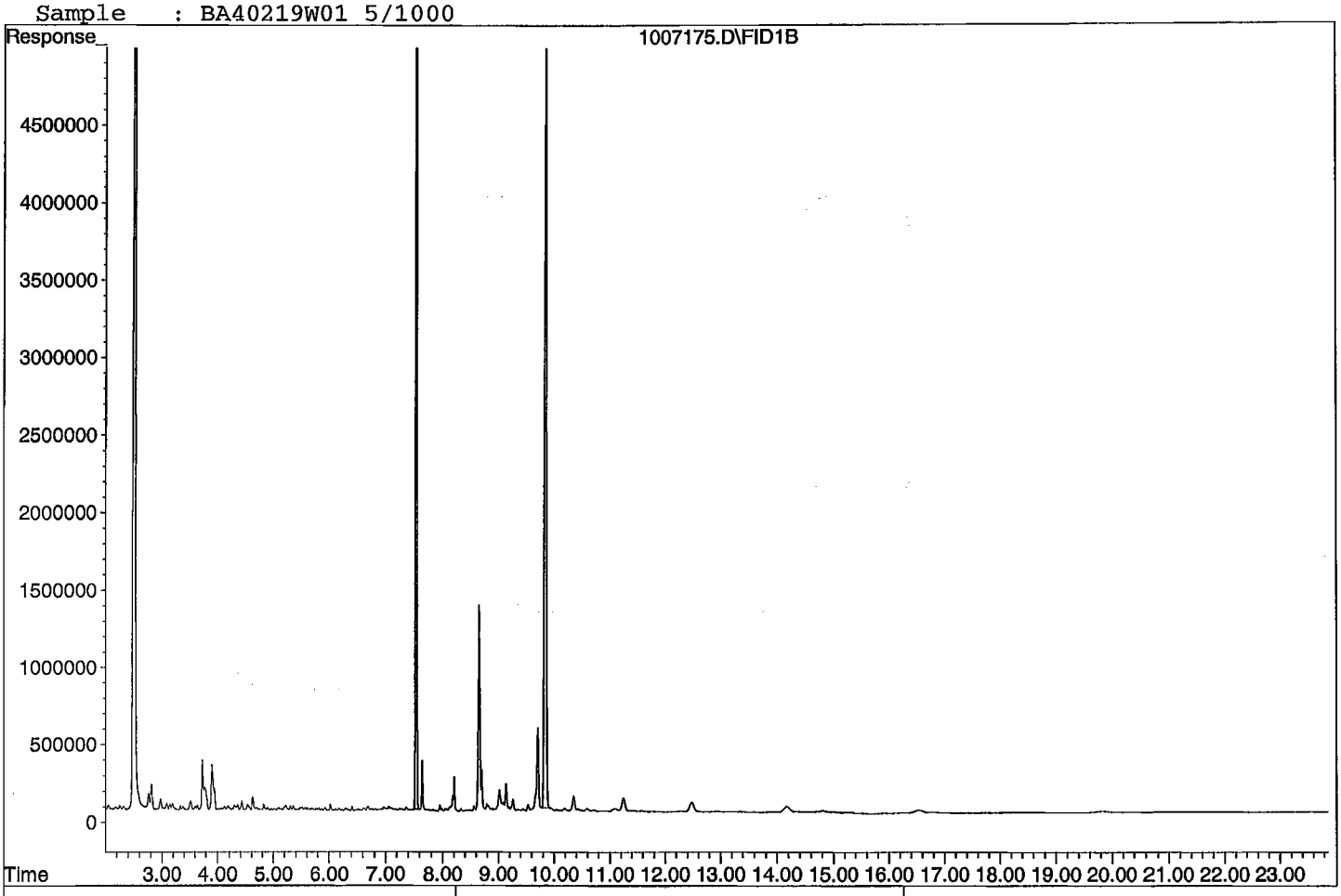
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

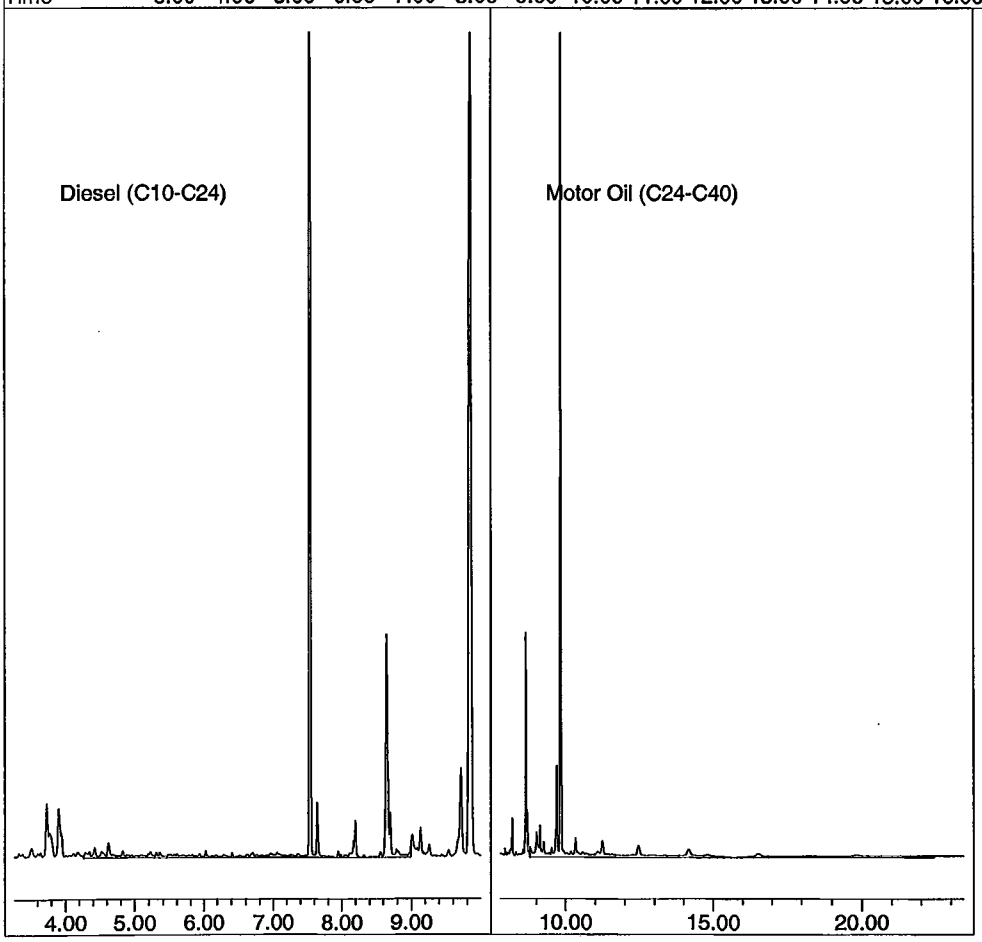
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.54	133673168	128.992 ppb
Surrogate Spike 150.000		Recovery =	85.99%
4) SA Octacosane(S)	9.84	118828637	154.213 ppb
Surrogate Spike 150.000		Recovery =	102.81%
Target Compounds			
1) HATM Diesel (C10-C24)	6.63	77263256	95.642 ppb
2) HBTM Motor Oil (C24-C40)	15.62	140887057	197.729 ppb

Target Compounds

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

Data File: G:\APOLLO\DATA\211007\1007175.D
Sample : BA40219W01 5/1000





Quantitation Report (QT Reviewed)

Data File : G:\APOLLO\DATA\211007\1007176.D
Acq On : 10-11-21 4:04:40
Sample : BA40220W01 5/1000
Misc : water
IntFile : events.e
Quant Time: Oct 15 11:49 2021 Quant Results File: DOC0830.RES

Vial: 76
Operator: KA
Inst : Apollo
Multiplr: 5.00

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

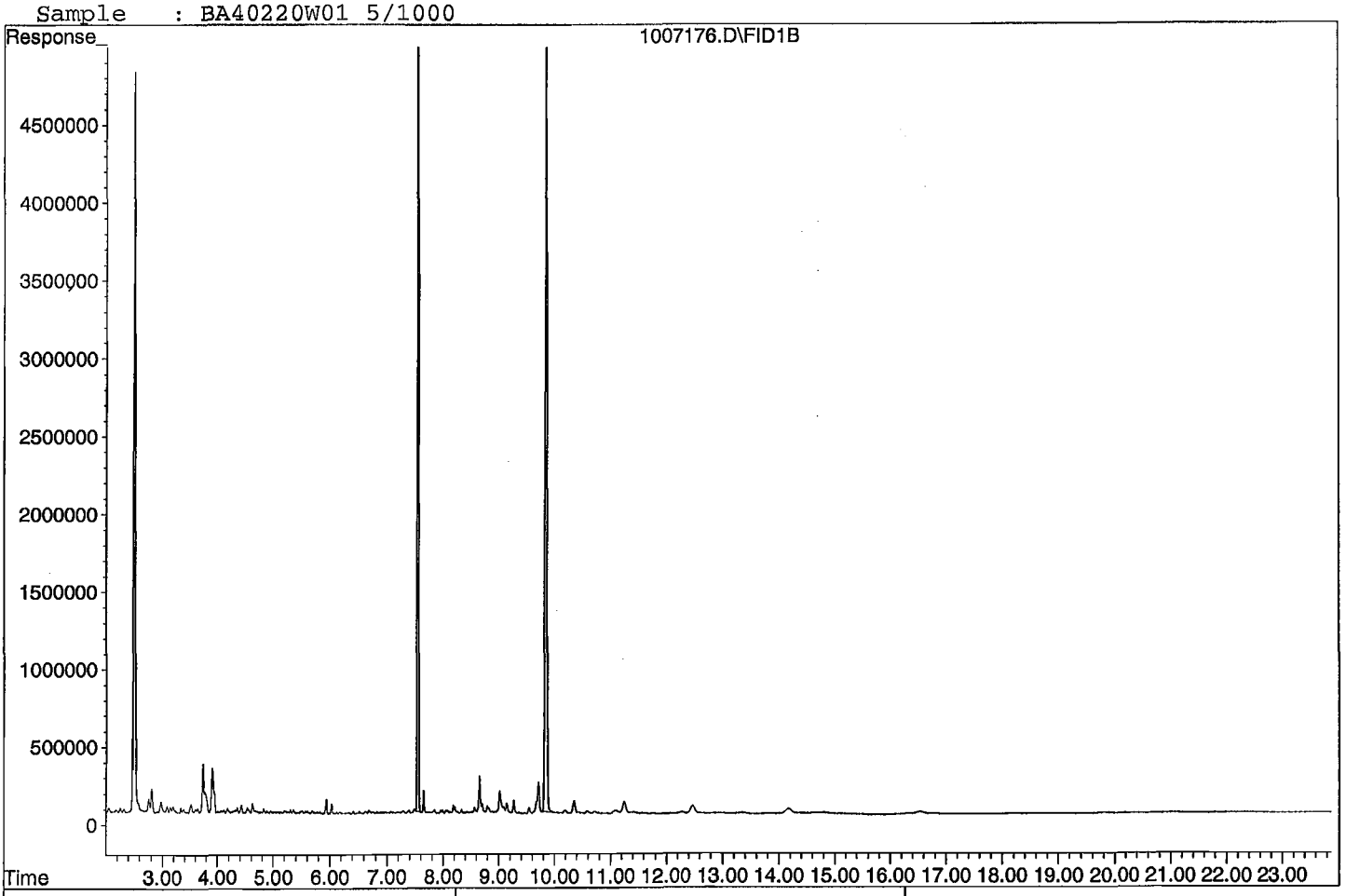
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

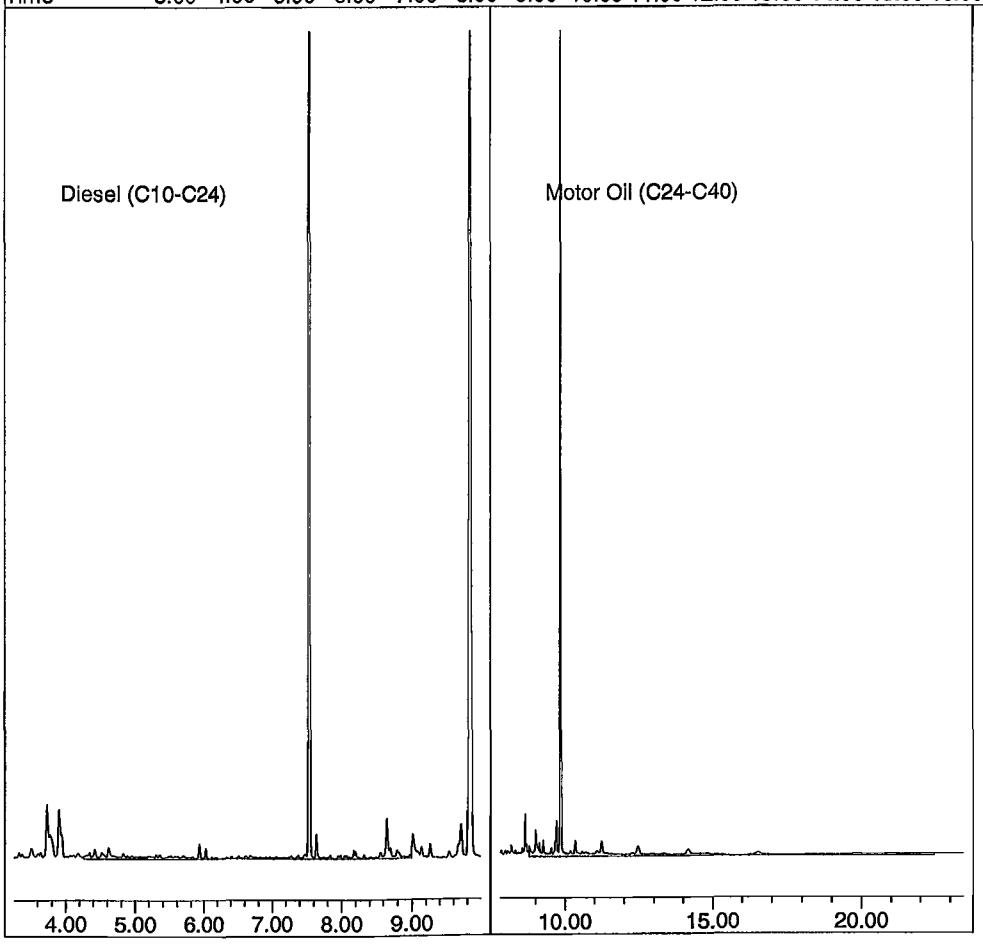
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.54	133131980	128.470 ppb
Surrogate Spike 150.000		Recovery =	85.65%
4) SA Octacosane(S)	9.84	119484596	155.064 ppb
Surrogate Spike 150.000		Recovery =	103.38%
Target Compounds			
1) HATM Diesel (C10-C24)	6.63	44121669	54.617 ppb
2) HBTM Motor Oil (C24-C40)	15.62	121050389	164.205 ppb

Target Compounds

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

Data File: G:\APOLLO\DATA\211007\1007176.D
Sample : BA40220W01 5/1000





Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\211007\1007177.D Vial: 77
Acq On : 10-11-21 4:32:46 Operator: KA
Sample : BA40221W01 5/1000 Inst : Apollo
Misc : water Multiplr: 5.00
IntFile : events.e
Quant Time: Oct 15 11:51 2021 Quant Results File: DOC0830.RES

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

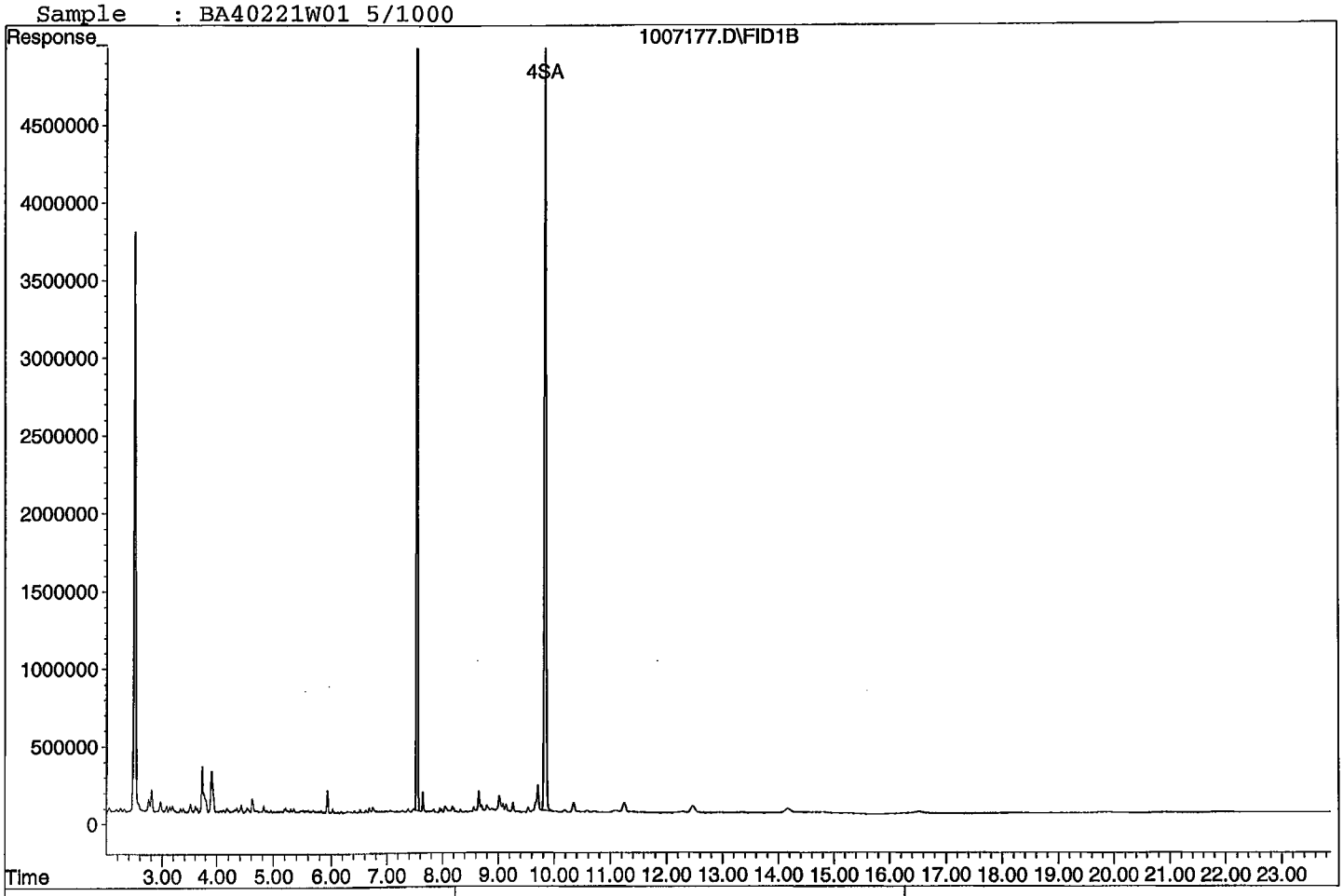
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

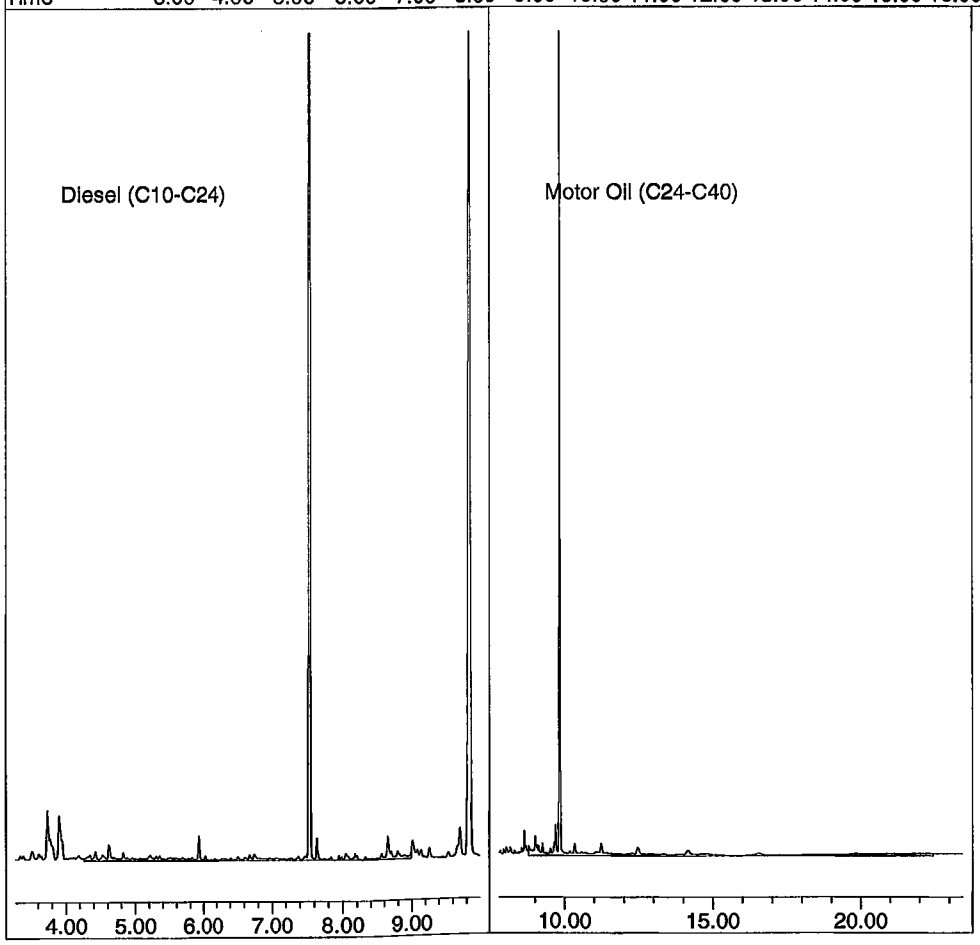
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.54	125233244	120.848 ppb
Surrogate Spike 150.000		Recovery =	80.57%
4) SA Octacosane(S)	9.84	111414320	144.590 ppb
Surrogate Spike 150.000		Recovery =	96.39%
Target Compounds			
1) HATM Diesel (C10-C24)	6.63	47231470	58.466 ppb
2) HBTM Motor Oil (C24-C40)	15.62	112514408	149.779 ppb

Target Compounds

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

Data File: G:\APOLLO\DATA\211007\1007177.D
Sample : BA40221W01 5/1000





Quantitation Report (QT Reviewed)

Data File : G:\APOLLO\DATA\211007\1007169.D Vial: 69
Acq On : 10-11-21 0:48:00 Operator: KA
Sample : 210914A BLK 5/1000 Inst : Apollo
Misc : water Multiplr: 5.00
IntFile : events.e
Quant Time: Oct 15 11:24 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

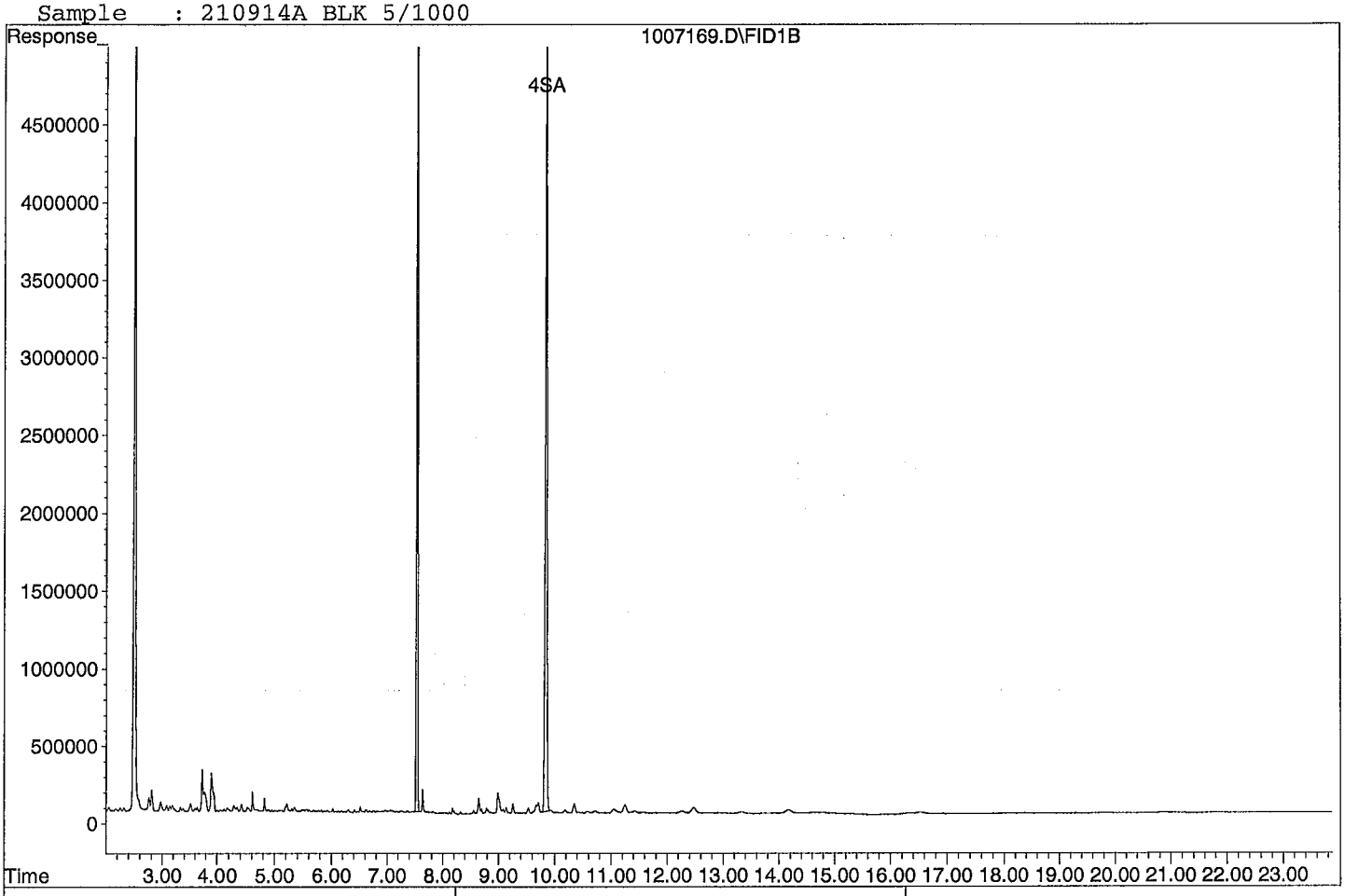
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

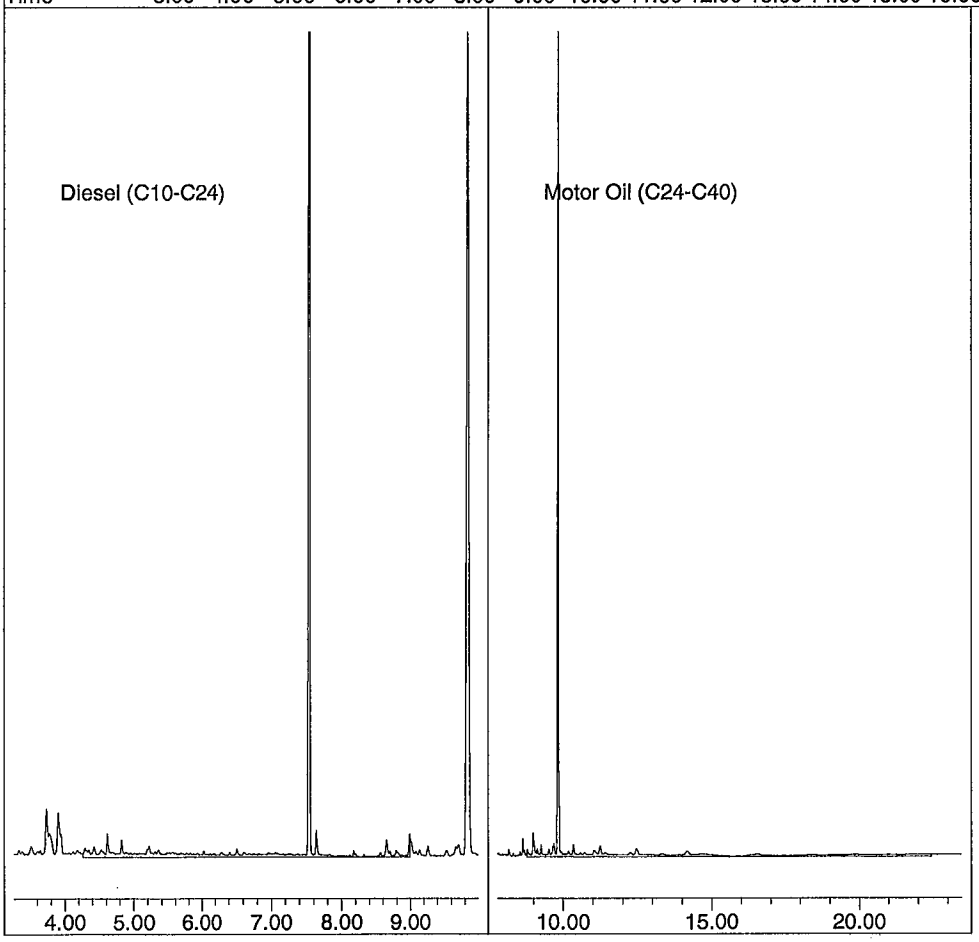
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.54	119672184	115.482 ppb
Surrogate Spike 150.000		Recovery =	76.99%
4) SA Octacosane(S)	9.84	106192639	137.814 ppb
Surrogate Spike 150.000		Recovery =	91.88%
Target Compounds			
1) HATM Diesel (C10-C24)	6.63	59903193	74.152 ppb
2) HBTM Motor Oil (C24-C40)	15.62	110956600	147.146 ppb

Target Compounds

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

Data File: G:\APOLLO\DATA\211007\1007169.D
Sample : 210914A BLK 5/1000





Quantitation Report (QT Reviewed)

Data File : G:\APOLLO\DATA\211007\1007170.D Vial: 70
Acq On : 10-11-21 1:16:06 Operator: KA
Sample : 210914A LCS-1 5/1000 Inst : Apollo
Misc : water Multiplr: 5.00
IntFile : events.e
Quant Time: Oct 15 11:25 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

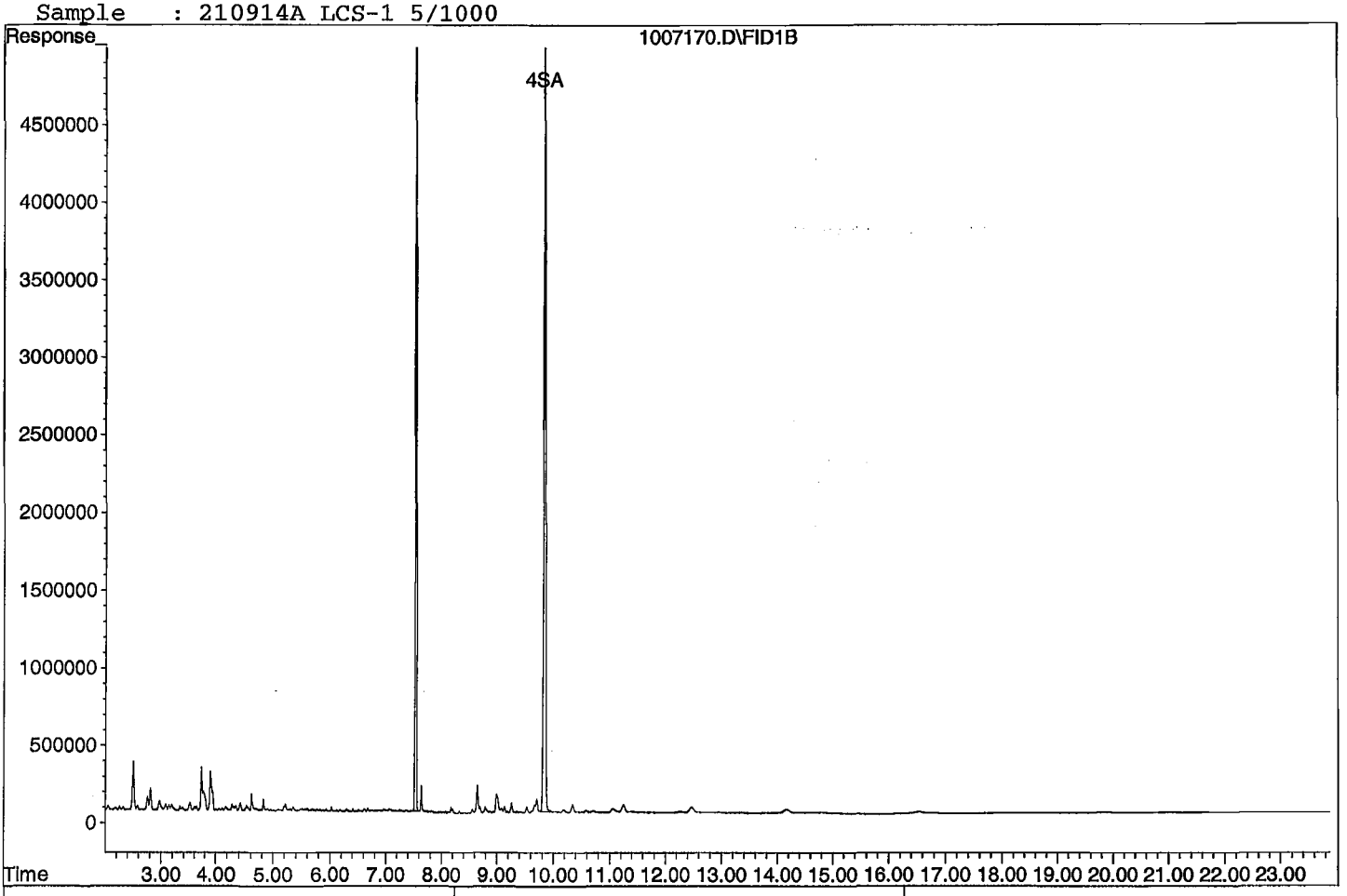
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

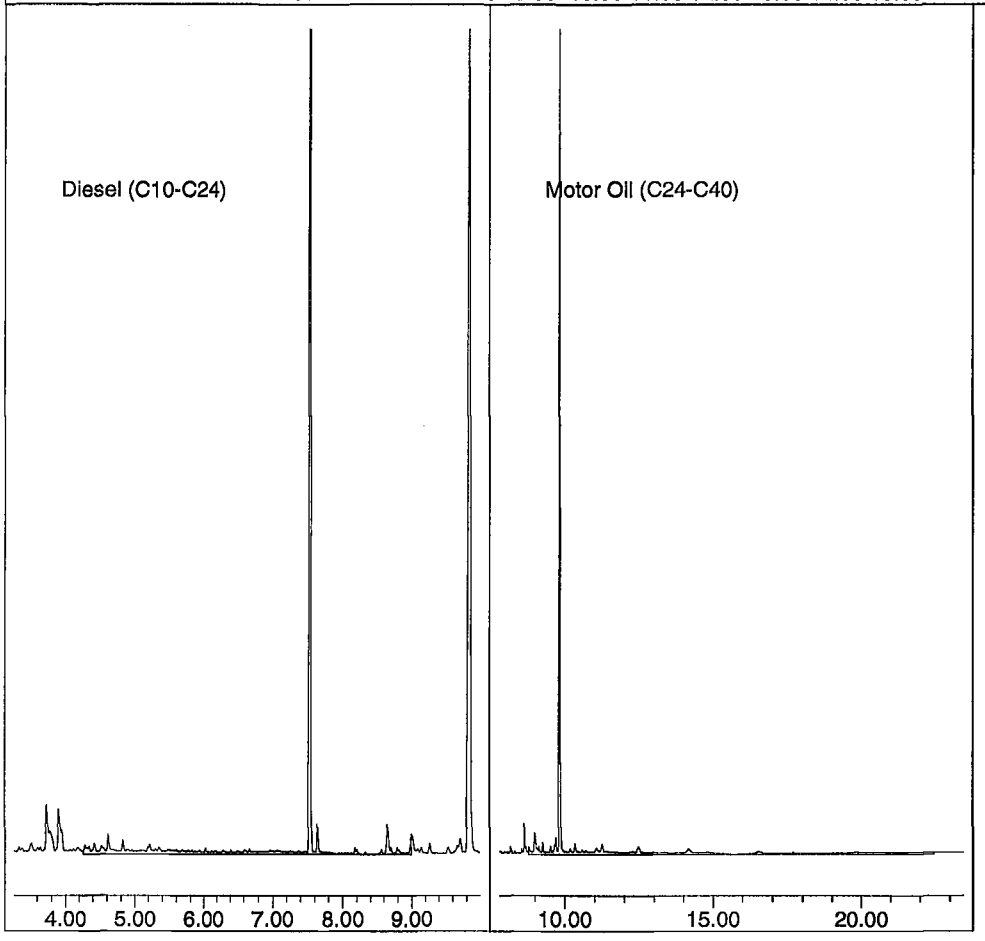
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.54	123769066	119.435 ppb
Surrogate Spike 150.000		Recovery =	79.62%
4) SA Octacosane(S)	9.84	110863962	143.876 ppb
Surrogate Spike 150.000		Recovery =	95.92%
Target Compounds			
1) HATM Diesel (C10-C24)	6.63	57670480	71.389 ppb
2) HBTM Motor Oil (C24-C40)	15.62	108464097	142.934 ppb
Target Compounds			

$$\frac{(57670480)(5)}{(2019597)(2)} = \frac{288352400}{4039194} = 71.389$$

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

Data File: G:\APOLLO\DATA\211007\1007170.D
Sample : 210914A LCS-1 5/1000





Quantitation Report (QT Reviewed)

Data File : G:\APOLLO\DATA\211007\1007171.D Vial: 71
Acq On : 10-11-21 1:44:12 Operator: KA
Sample : 210914A LCSD-1 5/1000 Inst : Apollo
Misc : water Multiplr: 5.00
IntFile : events.e
Quant Time: Oct 15 11:28 2021 Quant Results File: DOC0830.RES

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

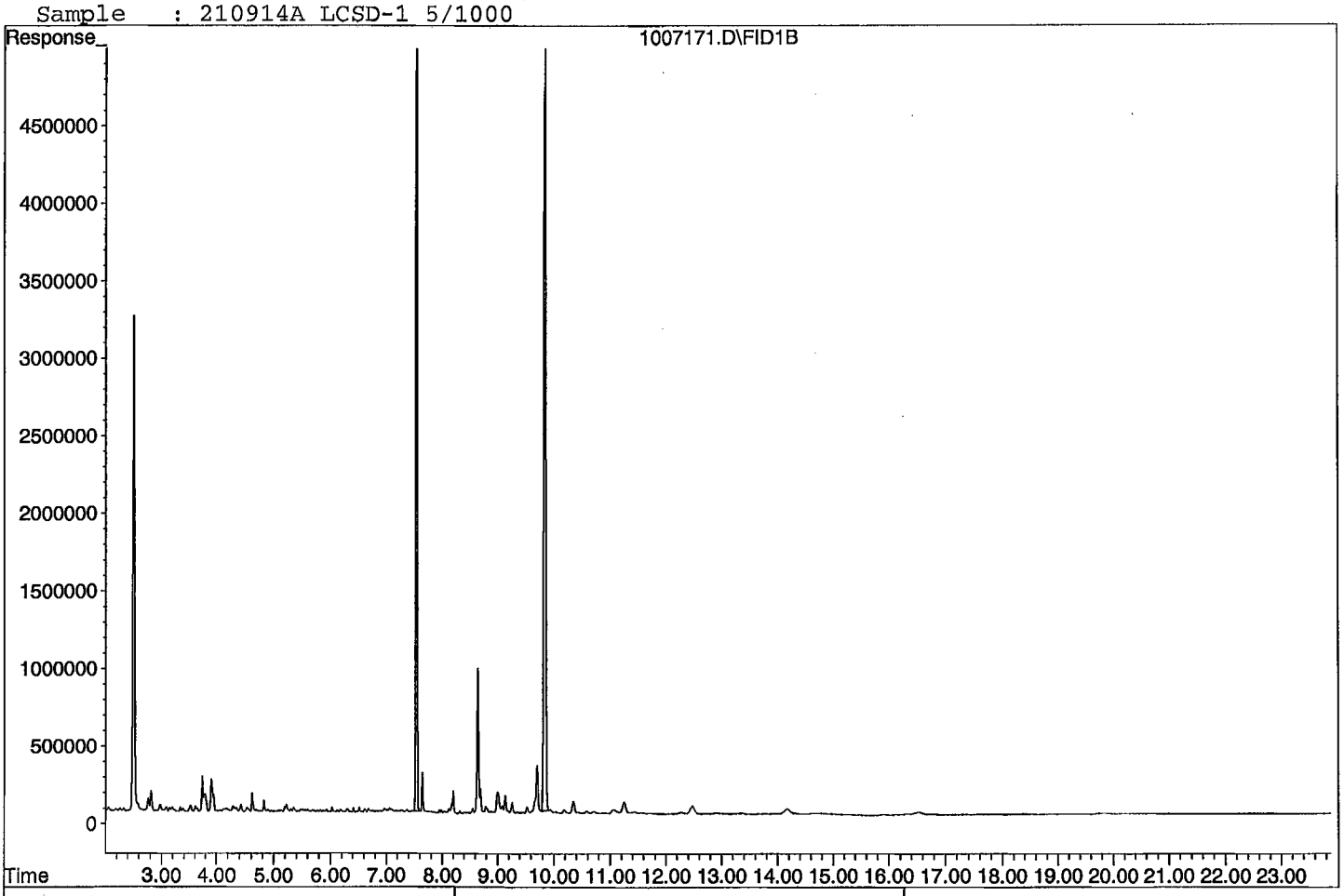
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

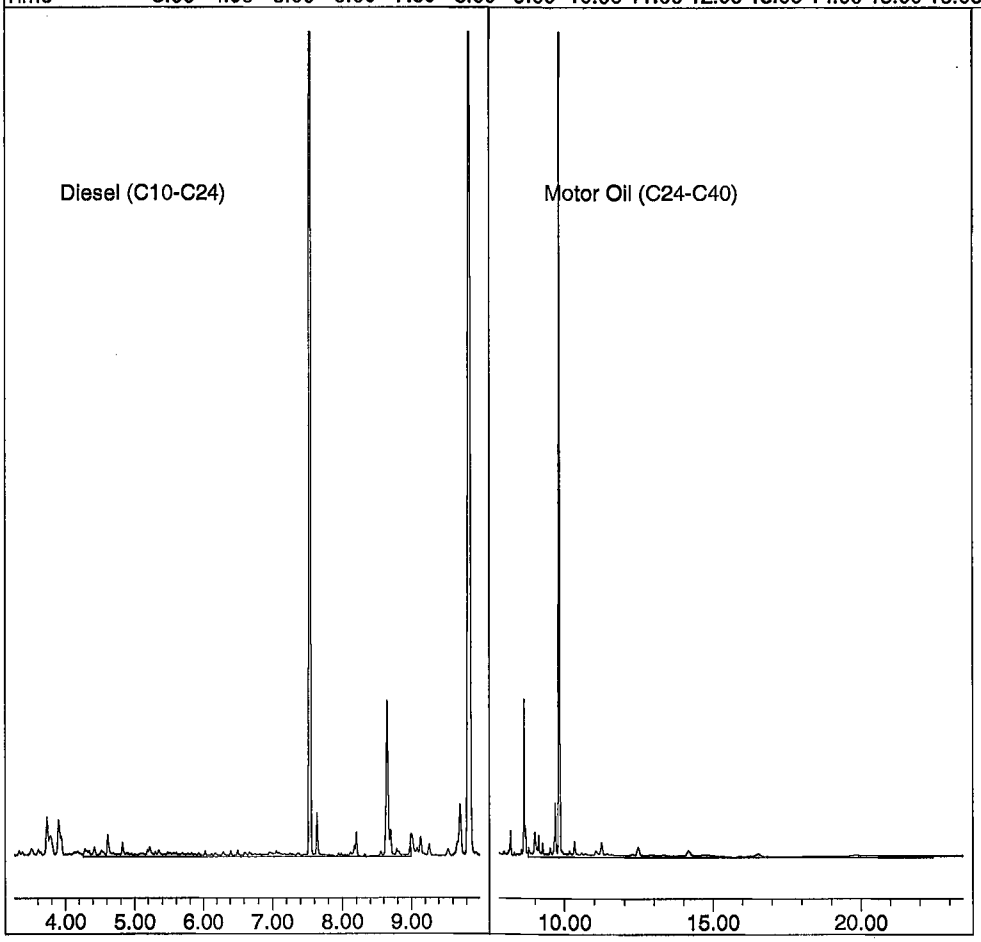
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.54	138786849	133.927 ppb
Surrogate Spike 150.000		Recovery =	89.28%
4) SA Octacosane(S)	9.84	123907022	160.803 ppb
Surrogate Spike 150.000		Recovery =	107.20%
Target Compounds			
1) HATM Diesel (C10-C24)	6.63	74294305	91.967 ppb
2) HBTM Motor Oil (C24-C40)	15.62	128776302	177.262 ppb

Target Compounds

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

Data File: G:\APOLLO\DATA\211007\1007171.D
Sample : 210914A LCSD-1 5/1000





Diesel / Motor Oil Calibration Curve

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

Prepared By (Initials): KA

Methylene Chloride
Lot No. 60338

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

Diesel / Motor Oil Second Source

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

Prepared By (Initials): SS

Methylene Chloride Lot No. 58059

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

Diesel / Motor Oil CCV

Prepared : 10/6/2021

Expires: 5/31/2026

Prepared By (Initials): KA

Methylene Chloride Lot No. 61117

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

THC Surrogate

Prepared: 9/10/2021 **KA**

Expires: 9/10/2022

Initial Standard Information							Final Standard			
Name of Initial Standard (QAU Label)	Supplier	Supplier Part No.	Conc. (ug/mL)	Lot Number - QA Number	Exp. Date (1 yr.)	Exp. Date (Manufacturer)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/mL)
O-terphenyl / Octacosane Mix	Phenova	ALO-130161	600	**CL15440-50953**	**9/10/2022**	**6/30/2025**	N/A	N/A	N/A	600

Organic Extraction Worksheet

Method	Continuous Liq/Liq TPH-Diesel/MO 3520C	Extraction Set	210910B	Extraction Method	LIQ005	Units	mL

Spiked ID 1		Surrogate ID 1	THC Surrogate 9-10-21 9-10-22		
Spiked ID 2		Surrogate ID 2			
Spiked ID 3		Surrogate ID 3			
Spiked ID 4		Surrogate ID 4			
Spiked ID 5		Surrogate ID 5			
Spiked ID 6		Sufficient Vol for Matrix QC:	NO		
Spiked ID 7		Ext. Start Time:	09/10/21 13:35		
Spiked ID 8		Ext. End Time:	09/11/21 9:40		
		GC Requires Extract By:			

pH1	2	09/10/21 13:20	Water Bath Temp 1 °C	
pH2			Water Bath Temp 2 °C	
pH3			Water Bath Temp 3 °C	

Spiked By: YL **Date** 9/10/2021 **Witnessed By:** SR **Date** 9/10/2021

	Sample	Sample Container	Spike Amount	Spike ID	Surrogate Amount	Surrogate ID	Extract Amount	Final Volume	pH	Extract Date/Time	Comments
1	210910B Blk				0.250	1 equip	1000	5	2	09/10/21 13:35	
2	210910B LCS-1				0.250	1 equip	1000	5	2	09/10/21 13:35	
3	210910B LCSD-1				0.250	1 equip	1000	5	2	09/10/21 13:35	
4	BA40217	BA40217W01			0.250	1 equip	1000	5	2	09/10/21 13:35	97466
5	BA40218	BA40218W01			0.250	1 equip	1000	5	2	09/10/21 13:35	97466
6	BA40219	BA40219W01			0.250	1 equip	1000	5	2	09/10/21 13:35	97466
7	BA40220	BA40220W01			0.250	1 equip	1000	5	2	09/10/21 13:35	97466
8	BA40221	BA40221W01			0.250	1 equip	1000	5	2	09/10/21 13:35	97466

Solvent and Lot#	
1+1 HCL (5mLs)	60282
PH Strips	HC155968
Dicholormethane	61117
Filter Paper	400181
Sodium Sulfate	17B155209

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

	Technician's Initials
Scanned By	
Sample Preparation	
Extraction	
Concentration	

Modified	9/13/2021 8:10:20 AM

Reviewed By: **Date**

Injection Log

Directory: G:\APOLLO\DATA\210830\

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	4	830004.D	1	DMO STD Curve 1	water	8-30-21 14:23:31
2	5	830005.D	1	DMO STD Curve 2	water	8-30-21 14:52:00
3	6	830006.D	1	DMO STD Curve 3	water	8-30-21 15:20:31
4	7	830007.D	1	DMO STD Curve 4	water	8-30-21 15:48:59
5	8	830008.D	1	DMO STD Curve 5	water	8-30-21 16:17:29
6	9	830009.D	1	DMO STD Curve 6	water	8-30-21 16:45:57
7	10	830010.D	1	DMO STD Curve 7	water	8-30-21 17:14:26
8	11	830011.D	1	DMO Second Source	water	8-30-21 17:43:02
9	60	1007160.D	1	Diesel Motor Oil CCV 10/6/21	water	10-10-21 20:34:42
10	69	1007169.D	5	210914A BLK 5/1000	water	10-11-21 0:48:00
11	70	1007170.D	5	210914A LCS-1 5/1000	water	10-11-21 1:16:06
12	71	1007171.D	5	210914A LCSD-1 5/1000	water	10-11-21 1:44:12
13	72	1007172.D	5	BA40217W01 5/1000	water	10-11-21 2:12:19
14	73	1007173.D	5	BA40218W01 5/1000	water	10-11-21 2:40:24
15	74	1007174.D	1	Diesel Motor Oil CCV 10/6/21	water	10-11-21 3:08:28
16	75	1007175.D	5	BA40219W01 5/1000	water	10-11-21 3:36:35
17	76	1007176.D	5	BA40220W01 5/1000	water	10-11-21 4:04:40
18	77	1007177.D	5	BA40221W01 5/1000	water	10-11-21 4:32:46
19	88	1007188.D	1	Diesel Motor Oil CCV 10/6/21	water	10-11-21 9:41:48

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: 9/14/2021
Matrix: Instrument: Linus
Initials: LS

			0914L002.D	0914L003.D	0914L004.D	0914L005.D	0914L006.D	0914L007.D	0914L008.D	0914L009.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	1.407	1.345	1.311	1.297	1.290	1.248	1.189	1.149			1.3	6.5	TM			0.700
3	S	2-Methylnaphthalene-D10 (2M	1.350	1.112	1.100	1.117	1.098	1.122	1.155	1.130			1.1	7.3	S			
4	TM	2-Methylnaphthalene	0.7164	0.7286	0.7277	0.7571	0.7834	0.7654	0.7048	0.6694			0.73	5.0	TM			0.400
5	TM	1-Methylnaphthalene	0.8529	0.8380	0.7843	0.7941	0.8031	0.7572	0.7063	0.6793			0.78	7.8	TM			
6	I	Acenaphthene-D10(IS)																
7	TM	Acenaphthylene	5.145	5.024	5.086	5.123	5.330	5.215	4.479	4.421			5.0	6.8	TM			0.900
8	*TM	Acenaphthene	1.609	1.466	1.405	1.374	1.369	1.322	1.169	1.167			1.4	11	*TM			0.900
9	TM	Fluorene	1.732	1.742	1.716	1.760	1.824	1.705	1.584	1.409			1.7	7.7	TM			0.900
10	I	Phenanthrene-D10(IS)																
11	TM	Phenanthrene	1.581	1.487	1.424	1.471	1.422	1.376	1.250	1.098			1.4	11	TM			0.700
12	TM	Anthracene	1.268	1.289	1.277	1.313	1.394	1.349	1.210	1.151			1.3	5.9	TM			0.700
13	S	Fluoranthene-D10 (FRT)	2.183	2.050	2.021	2.110	2.049	2.140	1.907	1.907			2.0	4.9	S			
14	*TM	Fluoranthene	2.366	2.295	2.285	2.425	2.440	2.385	1.977	1.829			2.3	10.0	*TM			0.600
15	I	Chrysene-D12(IS)																
16	TM	Pyrene	1.599	1.523	1.502	1.549	1.521	1.515	1.410	1.425			1.5	4.1	TM			0.600
17	TM	Benz (a) anthracene	1.362	1.259	1.265	1.306	1.402	1.398	1.293	1.342			1.3	4.2	TM			0.800
18	TM	Chrysene	1.769	1.659	1.589	1.553	1.408	1.347	1.276	1.244			1.5	13	TM			0.700
19	TM	Indeno (1,2,3-cd) pyrene	1.639	1.487	1.434	1.448	1.504	1.511	1.457	1.497			1.5	4.3	TM			0.500
20	I	Perylene-D12(IS)																
21	TM	Benzo (b) fluoranthene	1.202	1.310	1.278	1.235	1.473	1.457	1.248	1.127			1.3	9.3	TM			0.700
22	TML	Benzo (k) fluoranthene	1.819	1.589	1.612	1.738	1.524	1.424	1.150	1.155			1.5	16	TM	0.999		0.700
23	*TM	Benzo (a) pyrene	1.246	1.321	1.290	1.314	1.365	1.340	1.139	1.096			1.3	7.7	*TM			0.700
24	TM	Dibenz (a,h) anthracene	1.415	1.312	1.288	1.309	1.354	1.299	1.075	1.000			1.3	11	TM			0.400
25	TM	Benzo (g,h,i) perylene	1.495	1.382	1.359	1.373	1.410	1.356	1.143	1.080			1.3	11	TM			0.500
26																		
27																		
28																		
29																		
30																		
31																		
32																		
33																		
34																		
35																		

Quantitation Report (Not Reviewed)

Data File : M:\LINUS\DATA\L210914\0914L002.D Vial: 2
Acq On : 14 Sep 21 12:06 Operator: LS
Sample : 0.1 SIM 09/09/21 Inst : Linus
Misc : Multiplr: 1.00

Quant Time: Sep 14 15:13 2021 Quant Results File: L0914.RES

Quant Method : M:\LINUS\DATA\L210914\L0914.M (RTE Integrator)
Title : EPA 8270
Last Update : Tue Sep 14 15:11:45 2021
Response via : Initial Calibration
DataAcq Meth : SIM_2

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Napthalene-D8(IS)	3.95	136	32417	2.50000	ppb		0.00
6) Acenaphthene-D10(IS)	5.95	164	15977	2.50000	ppb		0.00
10) Phenanthrene-D10(IS)	7.67	188	26825	2.50000	ppb		0.00
15) Chrysene-D12(IS)	10.75	240	41956	2.50000	ppb		0.00
20) Perylene-D12(IS)	13.08	264	39211	2.50000	ppb		0.01
System Monitoring Compounds							
3) 2-Methylnaphthalene-D10 (2	4.75	152	875	0.05900	ppb		0.02
Spiked Amount 5.000			Recovery =	1.180%			
13) Fluoranthene-D10 (FRT)	9.06	212	1171	0.05277	ppb		0.01
Spiked Amount 5.000			Recovery =	1.060%			
Target Compounds							Qvalue
2) Naphthalene	3.97	128	1825	0.10921	ppb		98
4) 2-Methylnaphthalene	4.77	142	929	0.09629	ppb		96
5) 1-Methylnaphthalene	4.88	142	1106	0.11141	ppb		94
7) Acenaphthylene	5.79	152	3288	0.09985	ppb		98
8) Acenaphthene	5.99	154	1028	0.11600	ppb		97
9) Fluorene	6.59	166	1107	0.10285	ppb		99
11) Phenanthrene	7.70	178	1696	0.10941	ppb		97
12) Anthracene	7.76	178	1361	0.09676	ppb		99
14) Fluoranthene	9.08	202	2539	0.10310	ppb	#	90
16) Pyrene	9.33	202	2684	0.10017	ppb		96
17) Benz (a) anthracene	10.74	228	2285	0.10042	ppb		95
18) Chrysene	10.78	228	2968	0.11769	ppb		99
19) Indeno (1,2,3-cd) pyrene	14.63	276	2750	0.12986	ppb	#	98
21) Benzo (b) fluoranthene	12.41	252	1885	0.09601	ppb		98
22) Benzo (k) fluoranthene	12.45	252	2853	0.10859	ppb		99
23) Benzo (a) pyrene	13.00	252	1954	0.10064	ppb		98
24) Dibenz (a,h) anthracene	14.66	278	2219	0.12759	ppb	#	95
25) Benzo (g,h,i) perylene	14.96	276	2345	0.12061	ppb		94

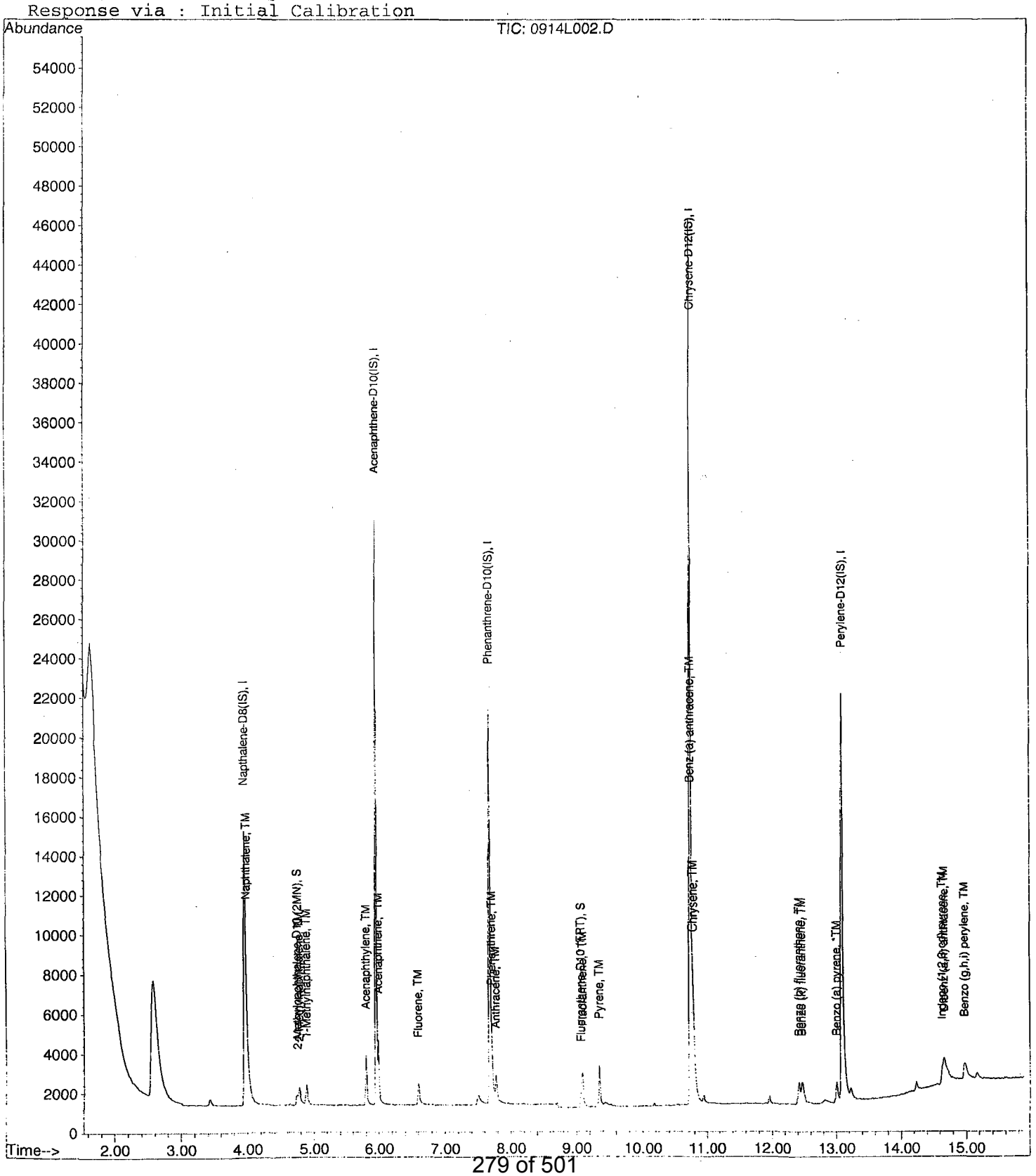
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\LINUS\DATA\L210914\0914L002.D Vial: 2
Acq On : 14 Sep 21 12:06 Operator: LS
Sample : 0.1 SIM 09/09/21 Inst : Linus
Misc : Multiplr: 1.00

Quant Time: Sep 14 15:13 2021 Quant Results File: L0914.RES

Method : M:\LINUS\DATA\L210914\L0914.M (RTE Integrator)
Title : EPA 8270
Last Update : Wed Sep 15 11:56:24 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\LINUS\DATA\L210914\0914L003.D Vial: 3
Acq On : 14 Sep 21 12:28 Operator: LS
Sample : 0.2 SIM 09/09/21 Inst : Linus
Misc : Multiplr: 1.00

Quant Time: Sep 14 15:13 2021 Quant Results File: L0914.RES

Quant Method : M:\LINUS\DATA\L210914\L0914.M (RTE Integrator)
Title : EPA 8270
Last Update : Tue Sep 14 15:12:45 2021
Response via : Initial Calibration
DataAcq Meth : SIM_2

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
1) Napthalene-D8(IS)	3.95	136	32220	2.50000 ppb		0.00
6) Acenaphthene-D10(IS)	5.95	164	16079	2.50000 ppb		0.00
10) Phenanthrene-D10(IS)	7.67	188	27398	2.50000 ppb		0.00
15) Chrysene-D12(IS)	10.75	240	43302	2.50000 ppb		0.00
20) Perylene-D12(IS)	13.07	264	39838	2.50000 ppb		0.00
System Monitoring Compounds						
3) 2-Methylnaphthalene-D10 (2	4.73	152	1433	0.09721 ppb		0.01
Spiked Amount 5.000			Recovery =	1.940%		
13) Fluoranthene-D10 (FRT)	9.05	212	2247	0.09915 ppb		0.00
Spiked Amount 5.000			Recovery =	1.980%		
Target Compounds						Qvalue
2) Naphthalene	3.97	128	3466	0.20868 ppb		99
4) 2-Methylnaphthalene	4.77	142	1878	0.19583 ppb		98
5) 1-Methylnaphthalene	4.88	142	2160	0.21892 ppb		95
7) Acenaphthylene	5.79	152	6463	0.19503 ppb		99
8) Acenaphthene	5.99	154	1886	0.21147 ppb		99
9) Fluorene	6.59	166	2241	0.20689 ppb		94
11) Phenanthrene	7.70	178	3260	0.20590 ppb		97
12) Anthracene	7.76	178	2825	0.19664 ppb		100
14) Fluoranthene	9.07	202	5031	0.20001 ppb		97
16) Pyrene	9.33	202	5276	0.19078 ppb		100
17) Benz (a) anthracene	10.74	228	4361	0.18569 ppb		97
18) Chrysene	10.78	228	5746	0.22077 ppb		97
19) Indeno (1,2,3-cd) pyrene	14.62	276	5150	0.23563 ppb	#	92
21) Benzo (b) fluoranthene	12.40	252	4176	0.20935 ppb		99
22) Benzo (k) fluoranthene	12.45	252	5063	0.18968 ppb		97
23) Benzo (a) pyrene	13.00	252	4211	0.21348 ppb		98
24) Dibenz (a,h) anthracene	14.65	278	4181	0.23662 ppb	#	92
25) Benzo (g,h,i) perylene	14.95	276	4405	0.22299 ppb		98

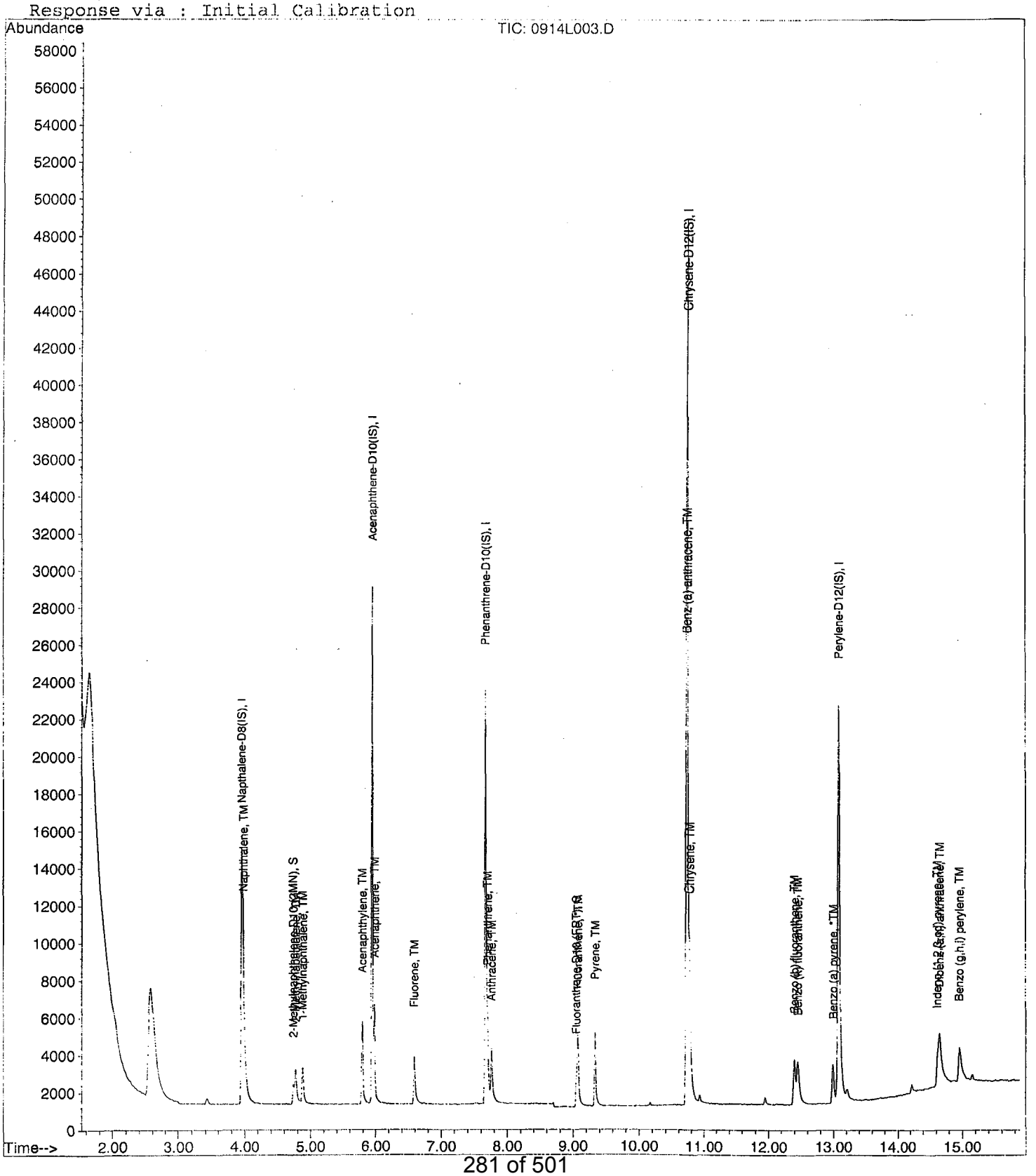
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\LINUS\DATA\L210914\0914L003.D Vial: 3
Acq On : 14 Sep 21 12:28 Operator: LS
Sample : 0.2 SIM 09/09/21 Inst : Linus
Misc : Multiplr: 1.00

Quant Time: Sep 14 15:13 2021 Quant Results File: L0914.RES

Method : M:\LINUS\DATA\L210914\L0914.M (RTE Integrator)
Title : EPA 8270
Last Update : Wed Sep 15 11:56:24 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\LINUS\DATA\L210914\0914L004.D Vial: 4
Acq On : 14 Sep 21 12:50 Operator: LS
Sample : 0.5 SIM 09/09/21 Inst : Linus
Misc : Multiplr: 1.00

Quant Time: Sep 14 15:13 2021 Quant Results File: L0914.RES

Quant Method : M:\LINUS\DATA\L210914\L0914.M (RTE Integrator)
Title : EPA 8270
Last Update : Tue Sep 14 15:12:45 2021
Response via : Initial Calibration
DataAcq Meth : SIM_2

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
1) Napthalene-D8(IS)	3.95	136	33241	2.50000 ppb		0.00
6) Acenaphthene-D10(IS)	5.95	164	16494	2.50000 ppb		0.00
10) Phenanthrene-D10(IS)	7.67	188	28617	2.50000 ppb		0.00
15) Chrysene-D12(IS)	10.75	240	44461	2.50000 ppb		0.00
20) Perylene-D12(IS)	13.07	264	40919	2.50000 ppb		0.00
System Monitoring Compounds						
3) 2-Methylnaphthalene-D10 (2	4.73	152	3658	0.24052 ppb		0.01
Spiked Amount 5.000			Recovery =	4.820%		
13) Fluoranthene-D10 (FRT)	9.05	212	5784	0.24435 ppb		0.00
Spiked Amount 5.000			Recovery =	4.880%		
Target Compounds						Qvalue
2) Naphthalene	3.97	128	8718	0.50876 ppb		99
4) 2-Methylnaphthalene	4.77	142	4838	0.48900 ppb		97
5) 1-Methylnaphthalene	4.88	142	5214	0.51222 ppb		98
7) Acenaphthylene	5.78	152	16777	0.49353 ppb		99
8) Acenaphthene	5.99	154	4634	0.50652 ppb		96
9) Fluorene	6.59	166	5660	0.50939 ppb		93
11) Phenanthrene	7.70	178	8151	0.49289 ppb		98
12) Anthracene	7.76	178	7308	0.48702 ppb		98
14) Fluoranthene	9.07	202	13078	0.49778 ppb		93
16) Pyrene	9.33	202	13357	0.47041 ppb		97
17) Benz (a) anthracene	10.74	228	11249	0.46651 ppb		96
18) Chrysene	10.78	228	14129	0.52870 ppb		96
19) Indeno (1,2,3-cd) pyrene	14.61	276	12747	0.56803 ppb	#	99
21) Benzo (b) fluoranthene	12.39	252	10457	0.51038 ppb		98
22) Benzo (k) fluoranthene	12.44	252	13191	0.48114 ppb		98
23) Benzo (a) pyrene	12.99	252	10556	0.52101 ppb		100
24) Dibenz (a,h) anthracene	14.64	278	10543	0.58092 ppb	#	94
25) Benzo (g,h,i) perylene	14.94	276	11124	0.54825 ppb		97

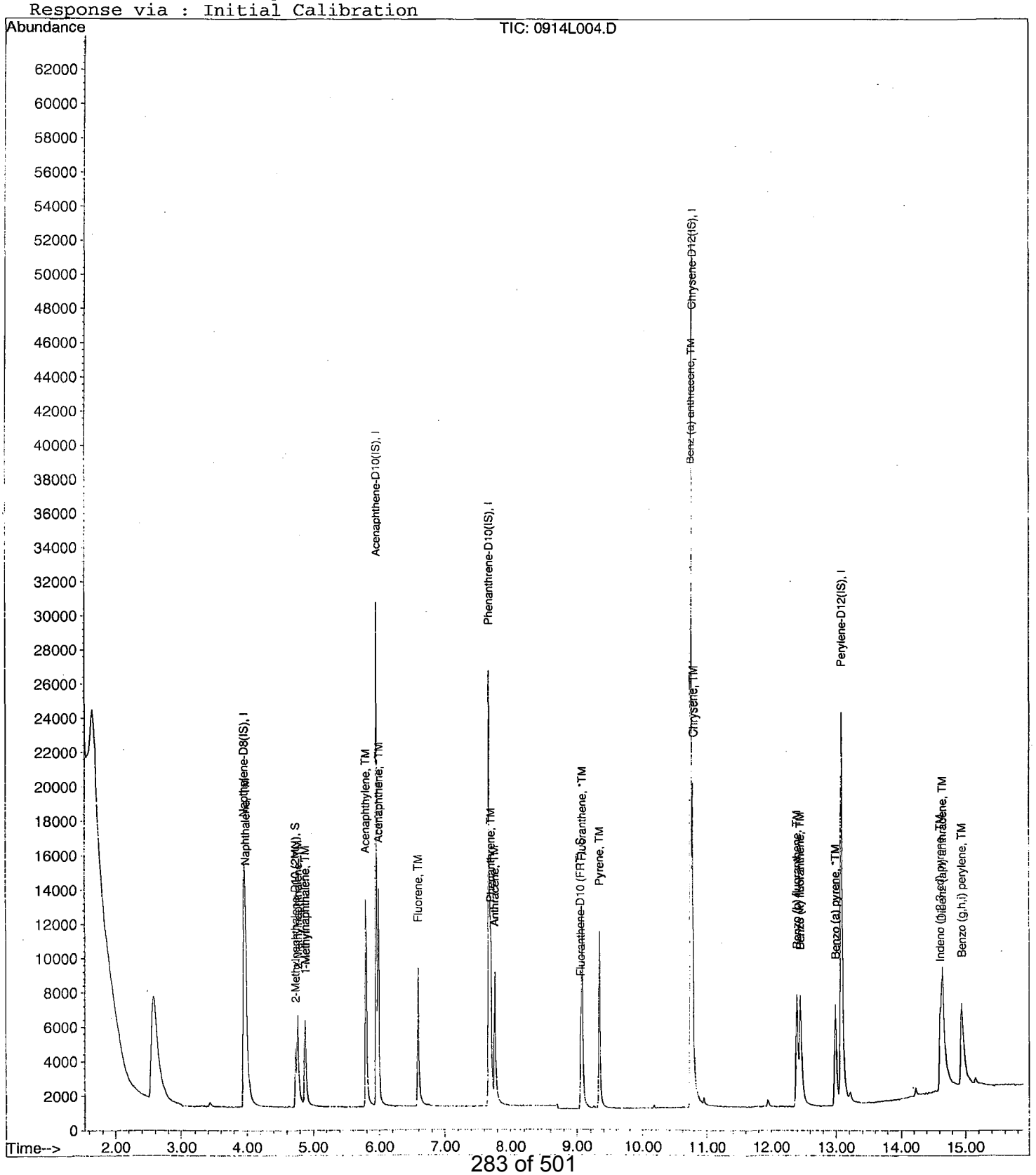
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\LINUS\DATA\L210914\0914L004.D Vial: 4
Acq On : 14 Sep 21 12:50 Operator: LS
Sample : 0.5 SIM 09/09/21 Inst : Linus
Misc : Multiplr: 1.00

Quant Time: Sep 14 15:13 2021 Quant Results File: L0914.RES

Method : M:\LINUS\DATA\L210914\L0914.M (RTE Integrator)
Title : EPA 8270
Last Update : Wed Sep 15 11:56:24 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\LINUS\DATA\L210914\0914L005.D Vial: 5
Acq On : 14 Sep 21 13:13 Operator: LS
Sample : 1 SIM 09/09/21 Inst : Linus
Misc : Multiplr: 1.00

Quant Time: Sep 14 15:13 2021 Quant Results File: L0914.RES

Quant Method : M:\LINUS\DATA\L210914\L0914.M (RTE Integrator)
Title : EPA 8270
Last Update : Tue Sep 14 15:12:45 2021
Response via : Initial Calibration
DataAcq Meth : SIM_2

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
1) Napthalene-D8(IS)	3.95	136	31355	2.50000 ppb		0.00
6) Acenaphthene-D10(IS)	5.95	164	15706	2.50000 ppb		0.00
10) Phenanthrene-D10(IS)	7.66	188	26700	2.50000 ppb		0.00
15) Chrysene-D12(IS)	10.75	240	42815	2.50000 ppb		0.00
20) Perylene-D12(IS)	13.07	264	39353	2.50000 ppb		0.00
System Monitoring Compounds						
3) 2-Methylnaphthalene-D10 (2	4.73	152	7003	0.48816 ppb		0.01
Spiked Amount 5.000			Recovery =	9.760%		
13) Fluoranthene-D10 (FRT)	9.05	212	11265	0.51007 ppb		0.00
Spiked Amount 5.000			Recovery =	10.200%		
Target Compounds						Qvalue
2) Naphthalene	3.97	128	16261	1.00603 ppb		100
4) 2-Methylnaphthalene	4.77	142	9496	1.01754 ppb		100
5) 1-Methylnaphthalene	4.87	142	9960	1.03732 ppb		100
7) Acenaphthylene	5.78	152	32183	0.99423 ppb		99
8) Acenaphthene	5.99	154	8634	0.99110 ppb		98
9) Fluorene	6.59	166	11059	1.04522 ppb		93
11) Phenanthrene	7.69	178	15705	1.01787 ppb		98
12) Anthracene	7.76	178	14018	1.00127 ppb		98
14) Fluoranthene	9.07	202	25896	1.05644 ppb	#	89
16) Pyrene	9.32	202	26525	0.97007 ppb	#	91
17) Benz (a) anthracene	10.74	228	22365	0.96315 ppb		96
18) Chrysene	10.78	228	26598	1.03354 ppb	#	95
19) Indeno (1,2,3-cd) pyrene	14.61	276	24801	1.14766 ppb		97
21) Benzo (b) fluoranthene	12.39	252	19447	0.98693 ppb		99
22) Benzo (k) fluoranthene	12.44	252	27359	1.03762 ppb		99
23) Benzo (a) pyrene	12.99	252	20687	1.06167 ppb		99
24) Dibenz (a,h) anthracene	14.64	278	20606	1.18057 ppb		96
25) Benzo (g,h,i) perylene	14.93	276	21607	1.10729 ppb		96

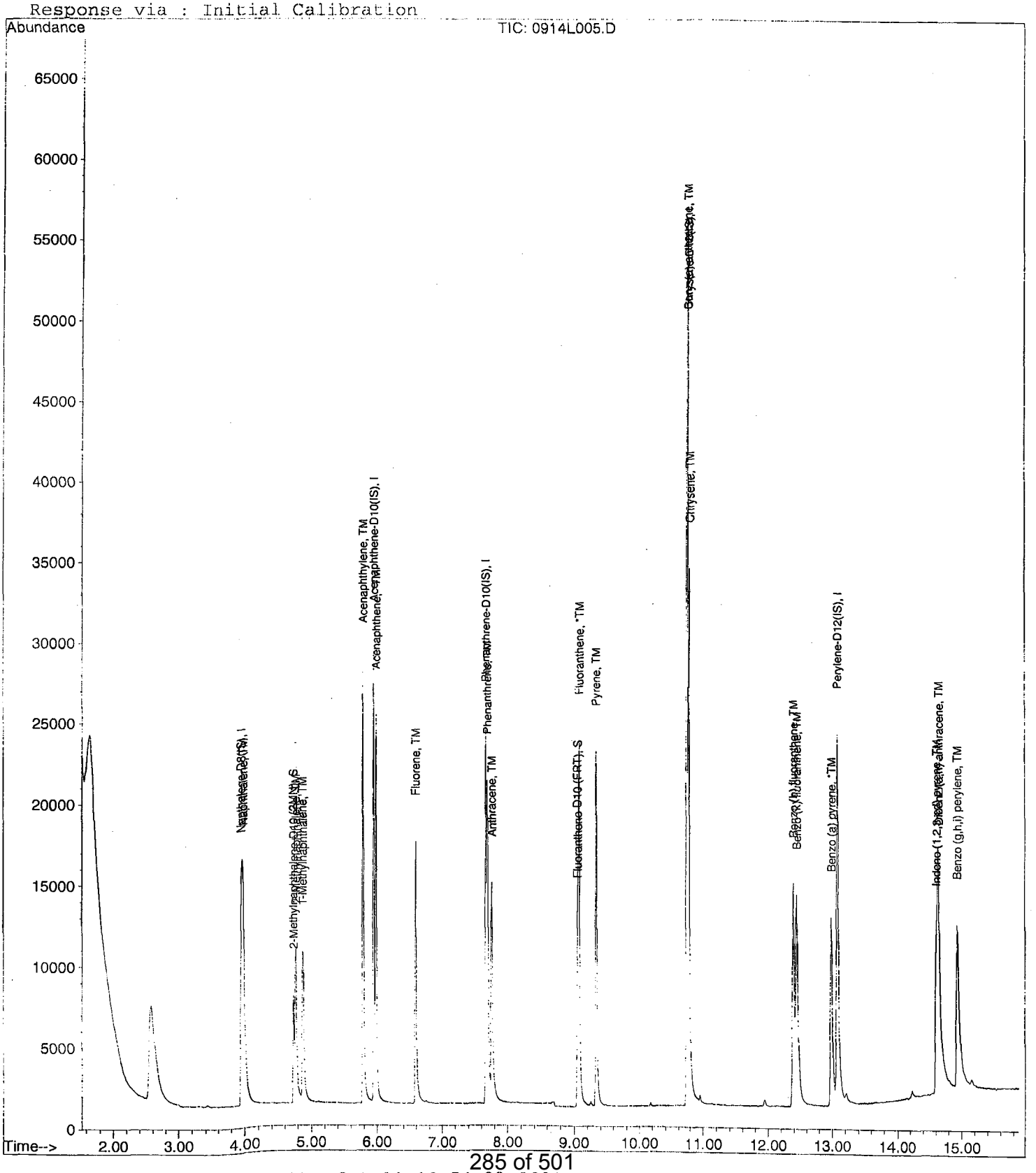
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\LINUS\DATA\L210914\0914L005.D Vial: 5
Acq On : 14 Sep 21 13:13 Operator: LS
Sample : 1 SIM 09/09/21 Inst : Linus
Misc : Multiplr: 1.00

Quant Time: Sep 14 15:13 2021 Quant Results File: L0914.RES

Method : M:\LINUS\DATA\L210914\L0914.M (RTE Integrator)
Title : EPA 8270
Last Update : Wed Sep 15 11:56:24 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\LINUS\DATA\L210914\0914L006.D Vial: 6
Acq On : 14 Sep 21 13:35 Operator: LS
Sample : 5 SIM 09/09/21 Inst : Linus
Misc : Multiplr: 1.00

Quant Time: Sep 15 11:54 2021 Quant Results File: L0914.RES

Quant Method : M:\LINUS\DATA\L210914\L0914.M (RTE Integrator)
Title : EPA 8270
Last Update : Wed Sep 15 11:54:11 2021
Response via : Initial Calibration
DataAcq Meth : SIM_2

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Napthalene-D8(IS)	3.95	136	32158	2.50000	ppb	0.00
6) Acenaphthene-D10(IS)	5.95	164	15959	2.50000	ppb	0.00
10) Phenanthrene-D10(IS)	7.66	188	27785	2.50000	ppb	0.00
15) Chrysene-D12(IS)	10.75	240	45124	2.50000	ppb	0.00
20) Perylene-D12(IS)	13.07	264	42099	2.50000	ppb	0.00
System Monitoring Compounds						
3) 2-Methylnaphthalene-D10 (2	4.72	152	35315	2.39143	ppb	0.00
Spiked Amount 5.000			Recovery = 47.820%			
13) Fluoranthene-D10 (FRT)	9.05	212	56935	2.50403	ppb	0.00
Spiked Amount 5.000			Recovery = 50.080%			
Target Compounds						Qvalue
2) Naphthalene	3.97	128	82956	5.04080	ppb	100
4) 2-Methylnaphthalene	4.76	142	50382	5.35372	ppb	100
5) 1-Methylnaphthalene	4.87	142	51655	5.16885	ppb	100
7) Acenaphthylene	5.78	152	170120	5.35376	ppb	100
8) Acenaphthene	5.99	154	43705	5.03385	ppb	100
9) Fluorene	6.58	166	58219	5.41555	ppb	100
11) Phenanthrene	7.69	178	79014	5.11979	ppb	100
12) Anthracene	7.75	178	77475	5.44014	ppb	100
14) Fluoranthene	9.06	202	135595	5.42168	ppb	100
16) Pyrene	9.32	202	137307	5.05264	ppb	100
17) Benz (a) anthracene	10.73	228	126561	5.27850	ppb	100
18) Chrysene	10.77	228	127095	4.75611	ppb	100
19) Indeno (1,2,3-cd) pyrene	14.58	276	135776	5.02463	ppb	100
21) Benzo (b) fluoranthene	12.38	252	124032	5.70424	ppb	100
22) Benzo (k) fluoranthene	12.43	252	128333	4.91410	ppb	97
23) Benzo (a) pyrene	12.98	252	114932	5.40035	ppb	100
24) Dibenz (a,h) anthracene	14.63	278	113993	5.38740	ppb	100
25) Benzo (g,h,i) perylene	14.92	276	118732	5.32231	ppb	100

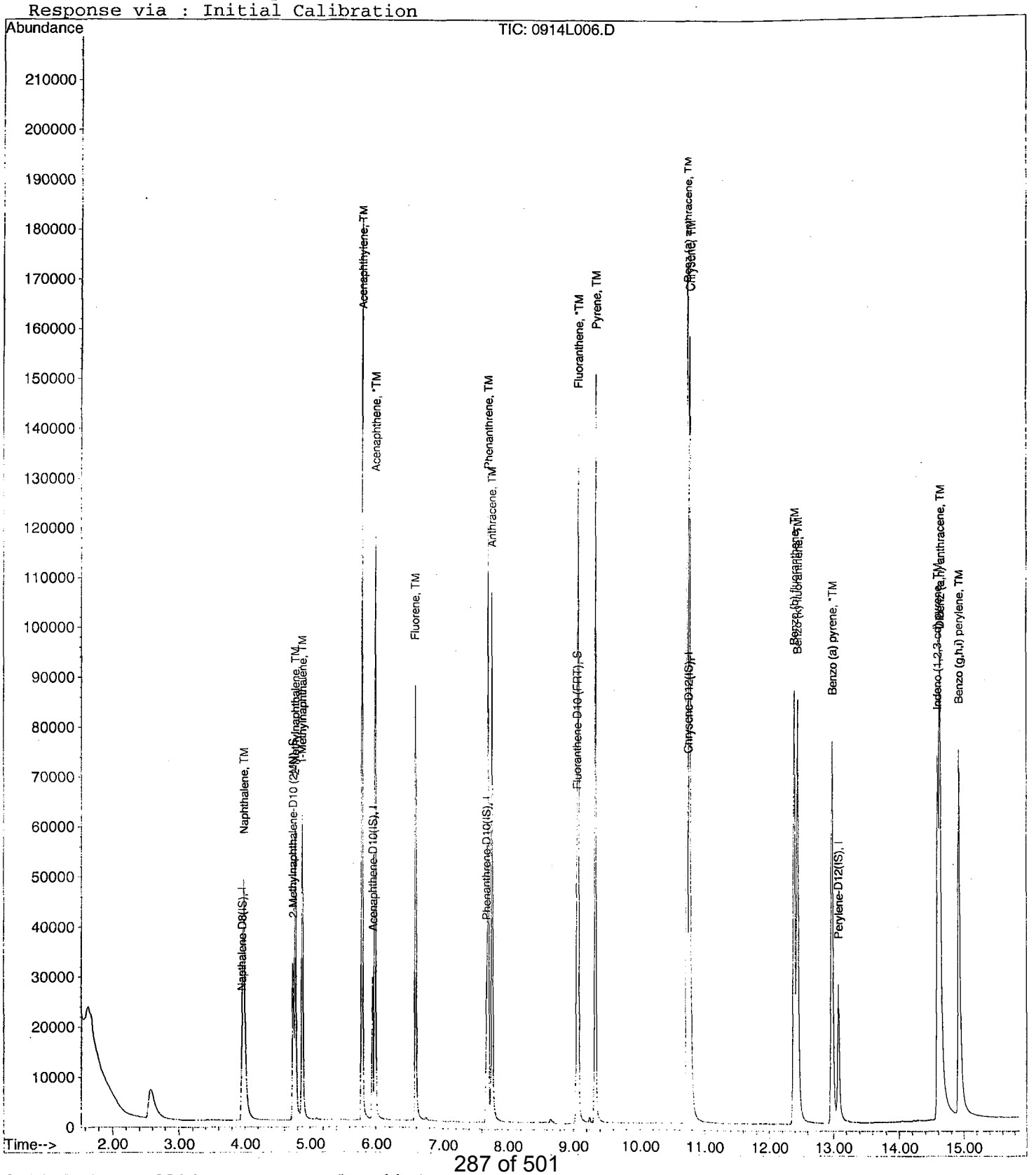
(#) = qualifier out of range (m) = manual integration
0914L006.D L0914.M Mon Oct 11 10:54:24 2021

Quantitation Report

Data File : M:\LINUS\DATA\L210914\0914L006.D Vial: 6
Acq On : 14 Sep 21 13:35 Operator: LS
Sample : 5 SIM 09/09/21 Inst : Linus
Misc : Multiplr: 1.00

Quant Time: Sep 15 11:54 2021 Quant Results File: L0914.RES

Method : M:\LINUS\DATA\L210914\L0914.M (RTE Integrator)
Title : EPA 8270
Last Update : Wed Sep 15 11:56:24 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\LINUS\DATA\L210914\0914L007.D Vial: 7
Acq On : 14 Sep 21 13:57 Operator: LS
Sample : 10 SIM 09/09/21 Inst : Linus
Misc : Multiplr: 1.00

Quant Time: Sep 14 15:13 2021 Quant Results File: L0914.RES

Quant Method : M:\LINUS\DATA\L210914\L0914.M (RTE Integrator)
Title : EPA 8270
Last Update : Tue Sep 14 15:12:45 2021
Response via : Initial Calibration
DataAcq Meth : SIM_2

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Napthalene-D8(IS)	3.95	136	34861	2.50000	ppb	0.00
6) Acenaphthene-D10(IS)	5.95	164	17289	2.50000	ppb	0.00
10) Phenanthrene-D10(IS)	7.67	188	29307	2.50000	ppb	0.00
15) Chrysene-D12(IS)	10.75	240	47503	2.50000	ppb	0.00
20) Perylene-D12(IS)	13.07	264	46143	2.50000	ppb	0.00
System Monitoring Compounds						
3) 2-Methylnaphthalene-D10 (2	4.72	152	78220	4.90417	ppb	0.00
Spiked Amount 5.000			Recovery = 98.080%			
13) Fluoranthene-D10 (FRT)	9.04	212	125440	5.17455	ppb	-0.01
Spiked Amount 5.000			Recovery = 103.500%			
Target Compounds						Qvalue
2) Naphthalene	3.97	128	174013	9.68302	ppb	100
4) 2-Methylnaphthalene	4.76	142	106724	10.28588	ppb	99
5) 1-Methylnaphthalene	4.87	142	105587	9.89076	ppb	99
7) Acenaphthylene	5.78	152	360635	10.12097	ppb	100
8) Acenaphthene	5.99	154	91415	9.53274	ppb	98
9) Fluorene	6.58	166	117911	10.12380	ppb	99
11) Phenanthrene	7.69	178	161262	9.52199	ppb	100
12) Anthracene	7.75	178	158140	10.29072	ppb	99
14) Fluoranthene	9.06	202	279535	10.38932	ppb	98
16) Pyrene	9.32	202	287957	9.49185	ppb	98
17) Benz (a) anthracene	10.73	228	265670	10.31201	ppb	100
18) Chrysene	10.77	228	255868	8.96126	ppb	99
19) Indeno (1,2,3-cd) pyrene	14.58	276	287145	11.97624	ppb	98
21) Benzo (b) fluoranthene	12.38	252	268840	11.63589	ppb	99
22) Benzo (k) fluoranthene	12.43	252	262903	8.50365	ppb	100
23) Benzo (a) pyrene	12.98	252	247268	10.82257	ppb	99
24) Dibenz (a,h) anthracene	14.62	278	239754	11.71482	ppb #	93
25) Benzo (g,h,i) perylene	14.92	276	250218	10.93600	ppb	98

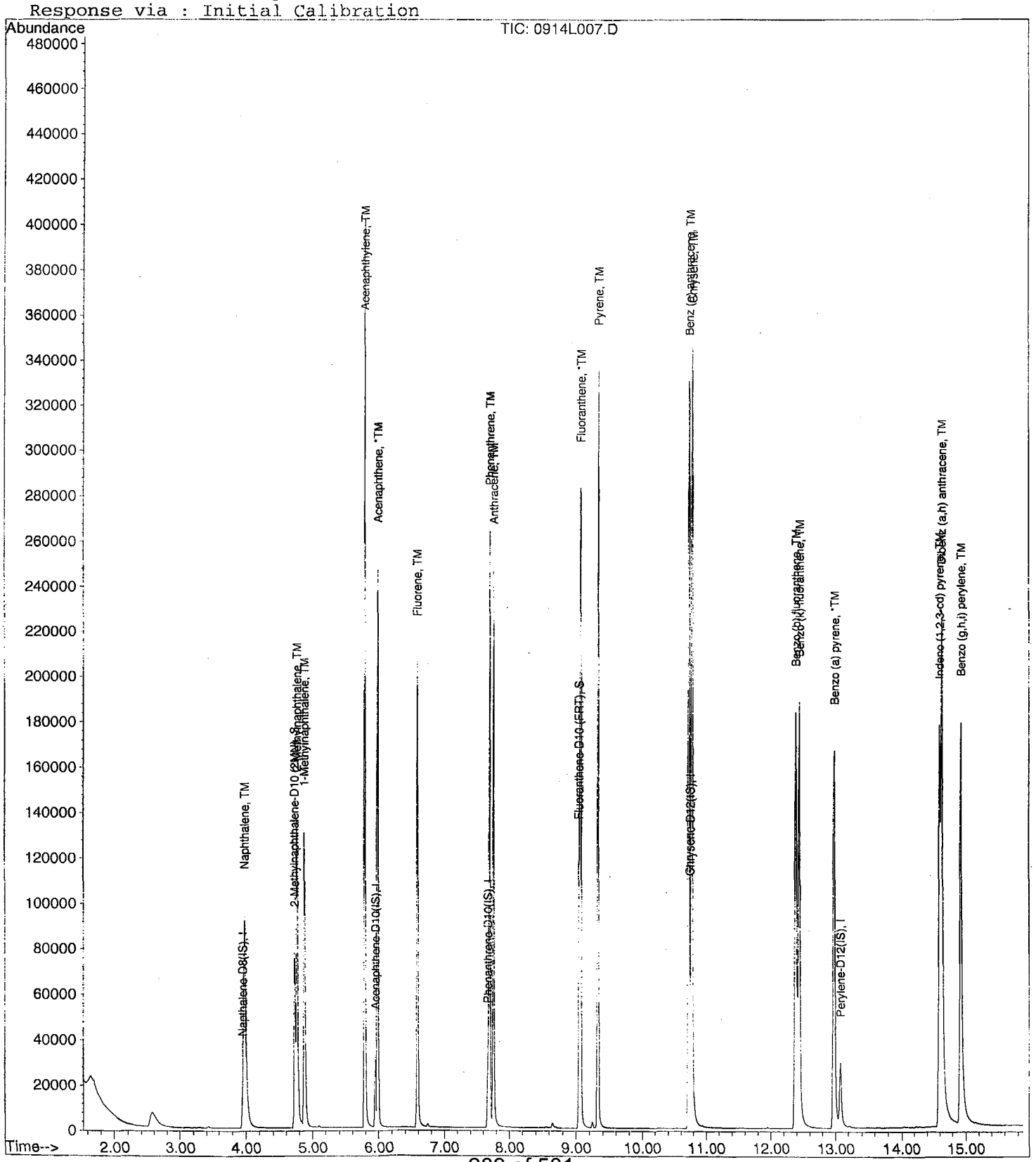
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\LINUS\DATA\L210914\0914L007.D Vial: 7
Acq On : 14 Sep 21 13:57 Operator: LS
Sample : 10 SIM 09/09/21 Inst : Linus
Misc : Multiplr: 1.00

Quant Time: Sep 14 15:13 2021 Quant Results File: L0914.RES

Method : M:\LINUS\DATA\L210914\L0914.M (RTE Integrator)
Title : EPA 8270
Last Update : Wed Sep 15 11:56:24 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\LINUS\DATA\L210914\0914L008.D Vial: 8
Acq On : 14 Sep 21 14:19 Operator: LS
Sample : 50 SIM 09/09/21 Inst : Linus
Misc : Multiplr: 1.00

Quant Time: Sep 14 15:13 2021 Quant Results File: L0914.RES

Quant Method : M:\LINUS\DATA\L210914\L0914.M (RTE Integrator)
Title : EPA 8270
Last Update : Tue Sep 14 15:12:45 2021
Response via : Initial Calibration
DataAcq Meth : SIM_2

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
1) Napthalene-D8(IS)	3.95	136	32874	2.50000 ppb		0.00
6) Acenaphthene-D10(IS)	5.95	164	16682	2.50000 ppb		0.00
10) Phenanthrene-D10(IS)	7.67	188	28969	2.50000 ppb		0.00
15) Chrysene-D12(IS)	10.76	240	42198	2.50000 ppb		0.01
20) Perylene-D12(IS)	13.08	264	47235	2.50000 ppb		0.01
System Monitoring Compounds						
3) 2-Methylnaphthalene-D10 (2	4.72	152	379719	25.24629 ppb		0.00
Spiked Amount 5.000			Recovery = 504.920%			
13) Fluoranthene-D10 (FRT)	9.05	212	552471	23.05599 ppb		0.00
Spiked Amount 5.000			Recovery = 461.120%			
Target Compounds						Qvalue
2) Naphthalene	3.97	128	781463	46.11315 ppb		99
4) 2-Methylnaphthalene	4.76	142	463372	47.35834 ppb		100
5) 1-Methylnaphthalene	4.87	142	464378	46.12942 ppb		100
7) Acenaphthylene	5.78	152	1494283	43.46193 ppb		99
8) Acenaphthene	5.99	154	389961	42.14470 ppb		95
9) Fluorene	6.59	166	528605	47.03730 ppb		94
11) Phenanthrene	7.70	178	724457	43.27588 ppb		99
12) Anthracene	7.76	178	700909	46.14278 ppb		99
14) Fluoranthene	9.07	202	1145610	43.07502 ppb		97
16) Pyrene	9.33	202	1189833	44.15077 ppb		96
17) Benz (a) anthracene	10.75	228	1091170	47.67848 ppb		93
18) Chrysene	10.79	228	1076990	42.46139 ppb		97
19) Indeno (1,2,3-cd) pyrene	14.61	276	1230042	57.75217 ppb		94
21) Benzo (b) fluoranthene	12.40	252	1178762	49.83953 ppb	#	96
22) Benzo (k) fluoranthene	12.46	252	1086101	34.31801 ppb		98
23) Benzo (a) pyrene	13.00	252	1075955	46.00431 ppb		98
24) Dibenz (a,h) anthracene	14.65	278	1015646	48.47906 ppb		99
25) Benzo (g,h,i) perylene	14.95	276	1080028	46.11231 ppb		98

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

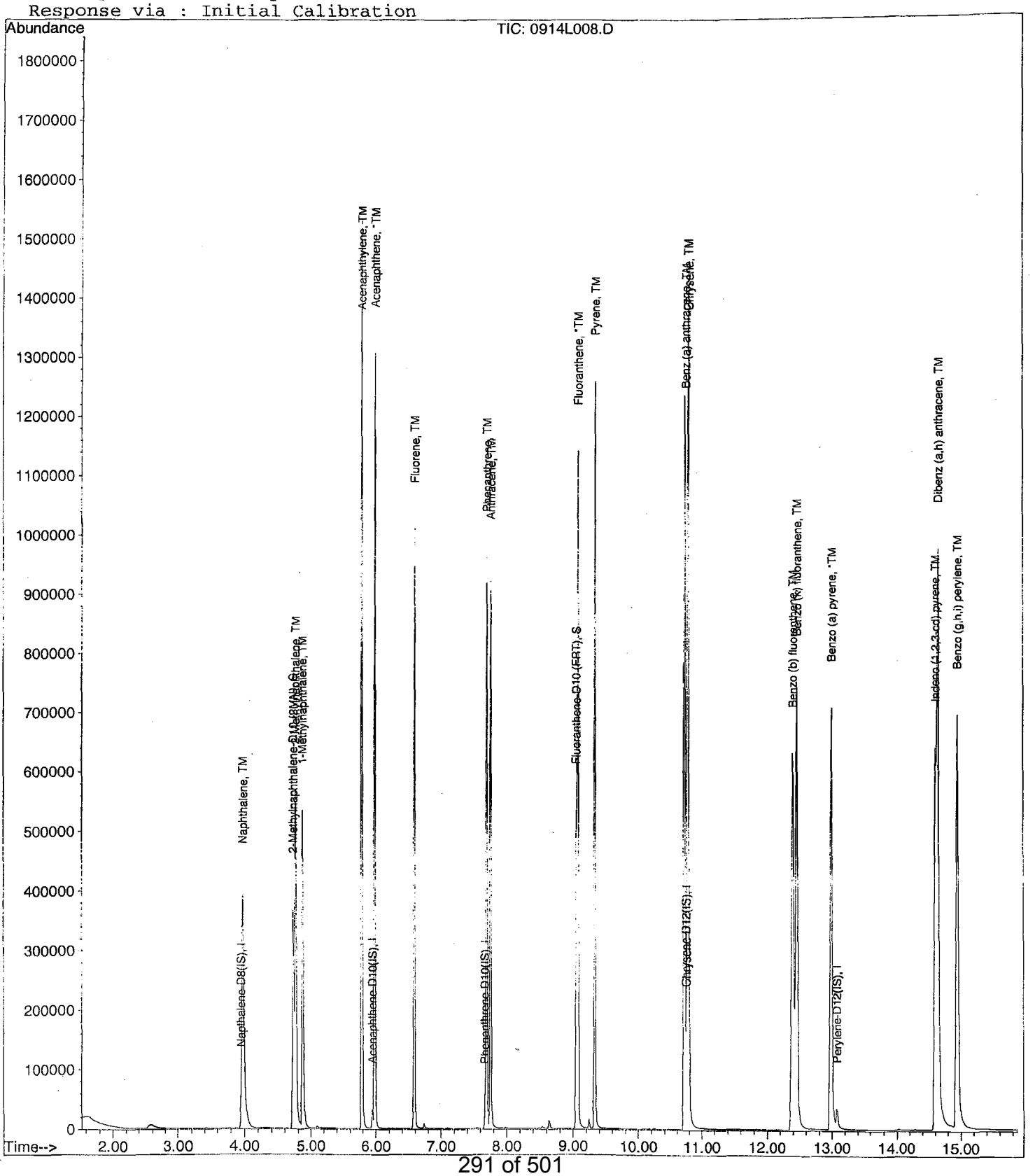
0914L008.D L0914.M Mon Oct 11 10:54:27 2021

Quantitation Report

Data File : M:\LINUS\DATA\L210914\0914L008.D Vial: 8
Acq On : 14 Sep 21 14:19 Operator: LS
Sample : 50 SIM 09/09/21 Inst : Linus
Misc : Multiplr: 1.00

Quant Time: Sep 14 15:13 2021 Quant Results File: L0914.RES

Method : M:\LINUS\DATA\L210914\L0914.M (RTE Integrator)
Title : EPA 8270
Last Update : Wed Sep 15 11:56:24 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\LINUS\DATA\L210914\0914L009.D Vial: 9
Acq On : 14 Sep 21 14:41 Operator: LS
Sample : 100 SIM 09/09/21 Inst : Linus
Misc : Multiplr: 1.00

Quant Time: Sep 14 15:17 2021 Quant Results File: L0914.RES

Quant Method : M:\LINUS\DATA\L210914\L0914.M (RTE Integrator)
Title : EPA 8270
Last Update : Tue Sep 14 15:17:22 2021
Response via : Initial Calibration
DataAcq Meth : SIM_2

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Napthalene-D8(IS)	3.95	136	32590	2.50000	ppb		0.00
6) Acenaphthene-D10(IS)	5.95	164	16401	2.50000	ppb		0.00
10) Phenanthrene-D10(IS)	7.67	188	27740	2.50000	ppb		0.00
15) Chrysene-D12(IS)	10.77	240	38380	2.50000	ppb		0.02
20) Perylene-D12(IS)	13.08	264	46805	2.50000	ppb		0.01
System Monitoring Compounds							
3) 2-Methylnaphthalene-D10 (2	4.72	152	736805	49.23302	ppb		0.00
Spiked Amount 5.000			Recovery = 984.660%				
13) Fluoranthene-D10 (FRT)	9.05	212	1057754	46.59607	ppb		0.00
Spiked Amount 5.000			Recovery = 931.920%				
Target Compounds							Qvalue
2) Naphthalene	3.97	128	1497535	89.79119	ppb		99
4) 2-Methylnaphthalene	4.77	142	872631	91.49888	ppb		95
5) 1-Methylnaphthalene	4.88	142	885511	87.43391	ppb		95
7) Acenaphthylene	5.79	152	2900037	88.80605	ppb		99
8) Acenaphthene	5.99	154	765507	85.79339	ppb		93
9) Fluorene	6.59	166	924112	83.64460	ppb		95
11) Phenanthrene	7.70	178	1218782	79.10025	ppb		98
12) Anthracene	7.77	178	1277680	89.86176	ppb		97
14) Fluoranthene	9.08	202	2029574	81.28294	ppb		96
16) Pyrene	9.35	202	2187270	94.63047	ppb		96
17) Benz (a) anthracene	10.75	228	2060518	101.03912	ppb		97
18) Chrysene	10.80	228	1909478	84.01197	ppb		98
19) Indeno (1,2,3-cd) pyrene	14.65	276	2297830	99.97727	ppb	#	85
21) Benzo (b) fluoranthene	12.42	252	2110179	87.28962	ppb	#	96
22) Benzo (k) fluoranthene	12.50	252	2162723	78.49870	ppb		100
23) Benzo (a) pyrene	13.02	252	2051547	86.70455	ppb	#	95
24) Dibenz (a,h) anthracene	14.67	278	1872556	79.60039	ppb	#	89
25) Benzo (g,h,i) perylene	14.99	276	2021594	81.50902	ppb		95

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

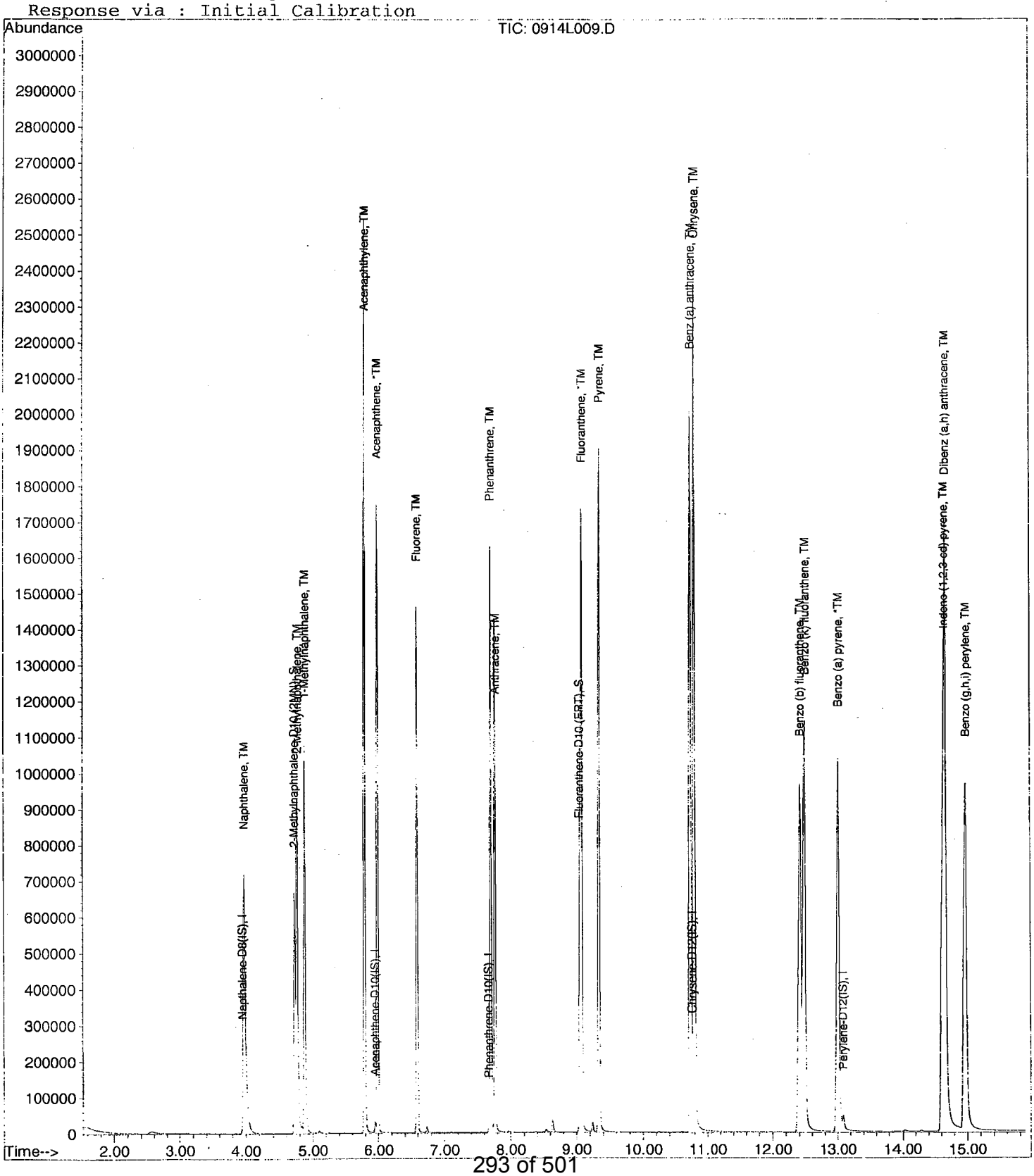
0914L009.D L0914.M Mon Oct 11 10:54:28 2021

Quantitation Report

Data File : M:\LINUS\DATA\L210914\0914L009.D Vial: 9
Acq On : 14 Sep 21 14:41 Operator: LS
Sample : 100 SIM 09/09/21 Inst : Linus
Misc : Multiplr: 1.00

Quant Time: Sep 14 15:17 2021 Quant Results File: L0914.RES

Method : M:\LINUS\DATA\L210914\L0914.M (RTE Integrator)
Title : EPA 8270
Last Update : Wed Sep 15 11:56:24 2021
Response via : Initial Calibration



Form 7

Second Source Calibration

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

SDG No:
Date Analyzed: 9/14/2021
Instrument: Linus
Initial Cal. Date: 9/14/2021
Data File: 0914L010.D

		Compound	MEAN	CCRF	%D		%Drift
1	TM	Naphthalene	1.279	1.235	3.4	TM	
2	TM	2-Methylnaphthalene	0.7316	0.7348	0.43	TM	
3	TM	1-Methylnaphthalene	0.7769	0.7254	6.6	TM	
4	TM	Acenaphthylene	4.978	5.045	1.4	TM	
5	*TM	Acenaphthene	1.360	1.310	3.7	*TM	
6	TM	Fluorene	1.684	1.677	0.39	TM	
7	TM	Phenanthrene	1.389	1.335	3.8	TM	
8	TM	Anthracene	1.281	1.402	9.4	TM	
9	*TM	Fluoranthene	2.250	2.298	2.1	*TM	
10	TM	Pyrene	1.506	1.439	4.4	TM	
11	TM	Benz (a) anthracene	1.328	1.346	1.3	TM	
12	TM	Chrysene	1.480	1.323	11	TM	
13	TM	Indeno (1,2,3-cd) pyrene	1.497	1.517	1.3	TM	
14	TM	Benzo (b) fluoranthene	1.291	1.380	6.9	TM	
15	TML	Benzo (k) fluoranthene	1.501	1.478	1.6	TML	14
16	*TM	Benzo (a) pyrene	1.264	1.346	6.5	*TM	
17	TM	Dibenz (a,h) anthracene	1.257	1.320	5.1	TM	
18	TM	Benzo (g,h,i) perylene	1.325	1.356	2.4	TM	
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							
31							
32							
33							
34							
35							
36							
37							
38							
		Average			4.0		

Quantitation Report (Not Reviewed)

Data File : M:\LINUS\DATA\L210914\0914L010.D Vial: 10
Acq On : 14 Sep 21 15:03 Operator: LS
Sample : SS SIM 09/09/21 Inst : Linus
Misc : Multiplr: 1.00

Quant Time: Sep 14 15:34 2021 Quant Results File: L0914.RES

Quant Method : M:\LINUS\DATA\L210914\L0914.M (RTE Integrator)
Title : EPA 8270
Last Update : Tue Sep 14 15:24:40 2021
Response via : Initial Calibration
DataAcq Meth : SIM_2

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Napthalene-D8(IS)	3.95	136	32907	2.50000	ppb		0.00
6) Acenaphthene-D10(IS)	5.95	164	16591	2.50000	ppb		0.00
10) Phenanthrene-D10(IS)	7.66	188	28180	2.50000	ppb		0.00
15) Chrysene-D12(IS)	10.75	240	46213	2.50000	ppb		0.00
20) Perylene-D12(IS)	13.07	264	43643	2.50000	ppb		0.00
System Monitoring Compounds							
3) 2-Methylnaphthalene-D10 (2	4.70	152	10	0.00066	ppb		-0.02
Spiked Amount 5.000			Recovery =	0.020%			
13) Fluoranthene-D10 (FRT)	9.05	212	222	0.00963	ppb		0.00
Spiked Amount 5.000			Recovery =	0.200%			
Target Compounds							Qvalue
2) Naphthalene	3.97	128	81307	4.82815	ppb		100
4) 2-Methylnaphthalene	4.76	142	48358	5.02169	ppb		100
5) 1-Methylnaphthalene	4.87	142	47742	4.66856	ppb		99
7) Acenaphthylene	5.78	152	167409	5.06775	ppb		100
8) Acenaphthene	5.99	154	43464	4.81540	ppb		100
9) Fluorene	6.58	166	55661	4.98038	ppb		100
11) Phenanthrene	7.69	178	75261	4.80825	ppb		100
12) Anthracene	7.75	178	79035	5.47190	ppb		100
14) Fluoranthene	9.06	202	129515	5.10599	ppb		99
16) Pyrene	9.32	202	132965	4.77757	ppb		96
17) Benz (a) anthracene	10.74	228	124420	5.06692	ppb		94
18) Chrysene	10.78	228	122295	4.46865	ppb	#	93
19) Indeno (1,2,3-cd) pyrene	14.58	276	140217	5.06670	ppb		94
21) Benzo (b) fluoranthene	12.38	252	120463	5.34410	ppb		99
22) Benzo (k) fluoranthene	12.43	252	128996	5.70810	ppb		97
23) Benzo (a) pyrene	12.98	252	117492	5.32533	ppb		99
24) Dibenz (a,h) anthracene	14.63	278	115240	5.25365	ppb		100
25) Benzo (g,h,i) perylene	14.92	276	118351	5.11754	ppb		99

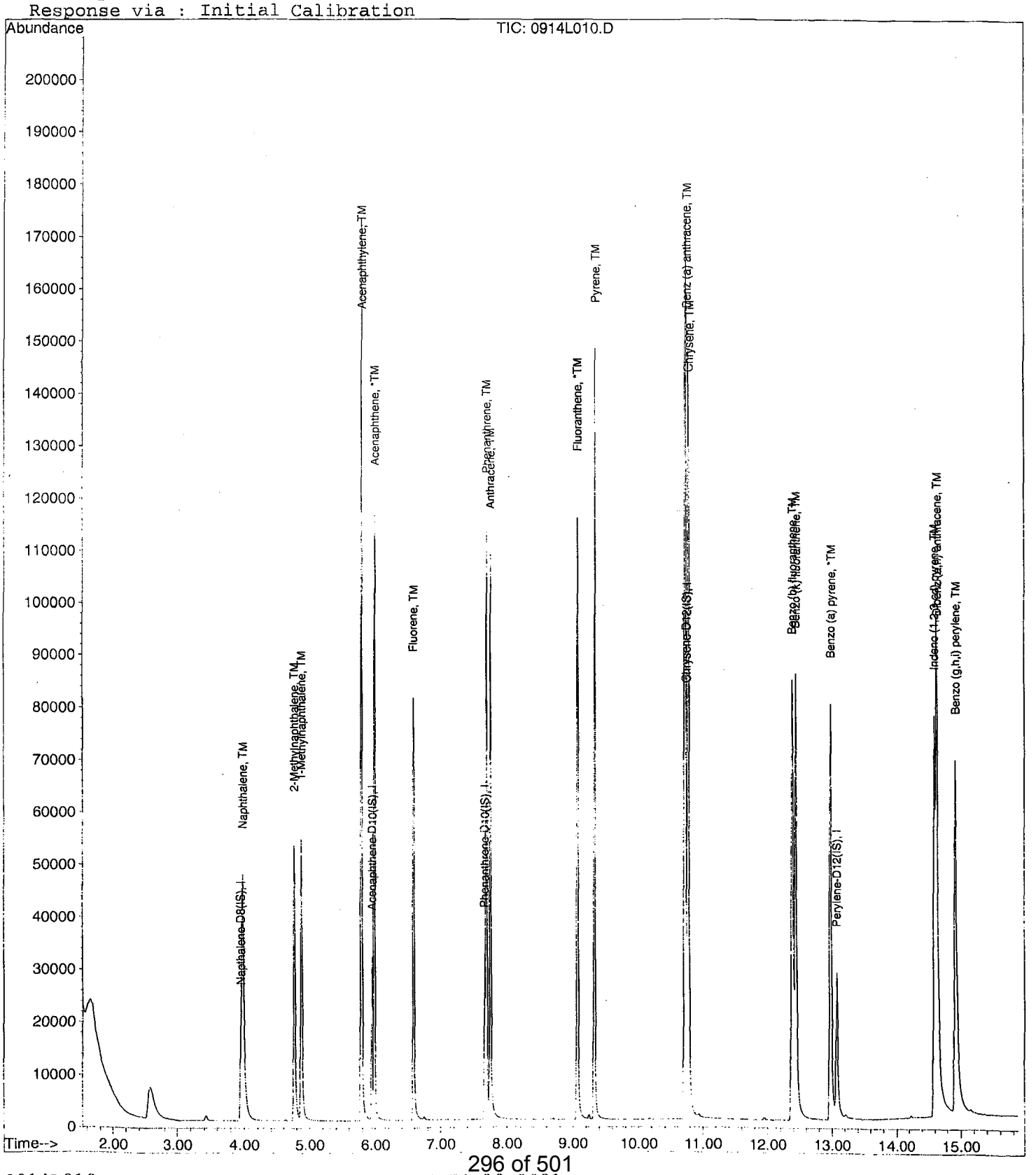
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\LINUS\DATA\L210914\0914L010.D Vial: 10
Acq On : 14 Sep 21 15:03 Operator: LS
Sample : SS SIM 09/09/21 Inst : Linus
Misc : Multiplr: 1.00

Quant Time: Sep 14 15:34 2021 Quant Results File: L0914.RES

Method : M:\LINUS\DATA\L210914\L0914.M (RTE Integrator)
Title : EPA 8270
Last Update : Wed Sep 15 11:56:24 2021
Response via : Initial Calibration



PAH by GCMS SIM
EPA 8270 SIM

Form 7

Continuing Calibration

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

SDG No:
Date Analyzed: 9/18/2021
Instrument: Linus
Initial Cal. Date: 9/14/2021
Data File: 0914L096.D

		Compound	MEAN	CCRF	%D		%Drift
1	I	Napthalene-D8(IS)	ISTD			I	
2	TM	Naphthalene	1.279	1.321	3.3	TM	
3	S	2-Methylnaphthalene-D10 (2MN)	1.148	1.126	1.9	S	
4	TM	2-Methylnaphthalene	0.7316	0.8055	10	TM	
5	TM	1-Methylnaphthalene	0.7769	0.8167	5.1	TM	
6	I	Acenaphthene-D10(IS)	ISTD			I	
7	TM	Acenaphthylene	4.978	5.517	11	TM	
8	*TM	Acenaphthene	1.360	1.407	3.4	*TM	
9	TM	Fluorene	1.684	1.802	7.0	TM	
10	I	Phenanthrene-D10(IS)	ISTD			I	
11	TM	Phenanthrene	1.389	1.480	6.6	TM	
12	TM	Anthracene	1.281	1.435	12	TM	
13	S	Fluoranthene-D10 (FRT)	2.046	2.083	1.8	S	
14	*TM	Fluoranthene	2.250	2.520	12	*TM	
15	I	Chrysene-D12(IS)	ISTD			I	
16	TM	Pyrene	1.506	1.502	0.22	TM	
17	TM	Benz (a) anthracene	1.328	1.408	6.0	TM	
18	TM	Chrysene	1.480	1.406	5.1	TM	
19	TM	Indeno (1,2,3-cd) pyrene	1.497	1.618	8.1	TM	
20	I	Perylene-D12(IS)	ISTD			I	
21	TM	Benzo (b) fluoranthene	1.315	1.440	9.5	TM	
22	TM	Benzo (k) fluoranthene	1.551	1.458	6.0	TM	
23	*TM	Benzo (a) pyrene	1.264	1.324	4.8	*TM	
24	TM	Dibenz (a,h) anthracene	1.257	1.357	8.0	TM	
25	TM	Benzo (g,h,i) perylene	1.325	1.386	4.6	TM	
26							
27							
28							
29							
30							
31							
32							
33							
34							
35							
36							
37							
38							
39							
40							
		Average			6.3		

Quantitation Report (Not Reviewed)

Data File : M:\LINUS\DATA\L210914\0914L096.D Vial: 96
Acq On : 18 Sep 21 12:57 Operator: LS
Sample : 5 SIM 09/09/21 (4) Inst : Linus
Misc : Multiplr: 1.00

Quant Time: Sep 20 8:12 2021 Quant Results File: L0914.RES

Quant Method : M:\LINUS\DATA\L210914\L0914.M (RTE Integrator)
Title : EPA 8270
Last Update : Wed Sep 15 11:56:24 2021
Response via : Initial Calibration
DataAcq Meth : SIM_2

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
1) Napthalene-D8(IS)	3.95	136	31882	2.50000 ppb		0.00
6) Acenaphthene-D10(IS)	5.95	164	15707	2.50000 ppb		0.00
10) Phenanthrene-D10(IS)	7.66	188	26845	2.50000 ppb		0.00
15) Chrysene-D12(IS)	10.75	240	45336	2.50000 ppb		0.00
20) Perylene-D12(IS)	13.07	264	45522	2.50000 ppb		0.00
System Monitoring Compounds						
3) 2-Methylnaphthalene-D10 (2	4.72	152	35894	2.45168 ppb		0.00
Spiked Amount 5.000			Recovery = 49.040%			
13) Fluoranthene-D10 (FRT)	9.05	212	55916	2.54533 ppb		0.00
Spiked Amount 5.000			Recovery = 50.900%			
Target Compounds						Qvalue
2) Naphthalene	3.97	128	84256	5.16412 ppb		100
4) 2-Methylnaphthalene	4.76	142	51360	5.50489 ppb		99
5) 1-Methylnaphthalene	4.87	142	52077	5.25619 ppb		99
7) Acenaphthylene	5.78	152	173321	5.54201 ppb		100
8) Acenaphthene	5.99	154	44197	5.17219 ppb		96
9) Fluorene	6.58	166	56610	5.35037 ppb		100
11) Phenanthrene	7.69	178	79484	5.33058 ppb		99
12) Anthracene	7.75	178	77045	5.59939 ppb		100
14) Fluoranthene	9.06	202	135275	5.59829 ppb		100
16) Pyrene	9.32	202	136218	4.98913 ppb		99
17) Benz (a) anthracene	10.74	228	127630	5.29819 ppb		95
18) Chrysene	10.78	228	127454	4.74725 ppb	#	93
19) Indeno (1,2,3-cd) pyrene	14.58	276	146734	5.40475 ppb		99
21) Benzo (b) fluoranthene	12.38	252	131087	5.47594 ppb		99
22) Benzo (k) fluoranthene	12.43	252	132786	4.70228 ppb		97
23) Benzo (a) pyrene	12.98	252	120557	5.23870 ppb		99
24) Dibenz (a,h) anthracene	14.63	278	123590	5.40175 ppb		99
25) Benzo (g,h,i) perylene	14.92	276	126143	5.22933 ppb		99

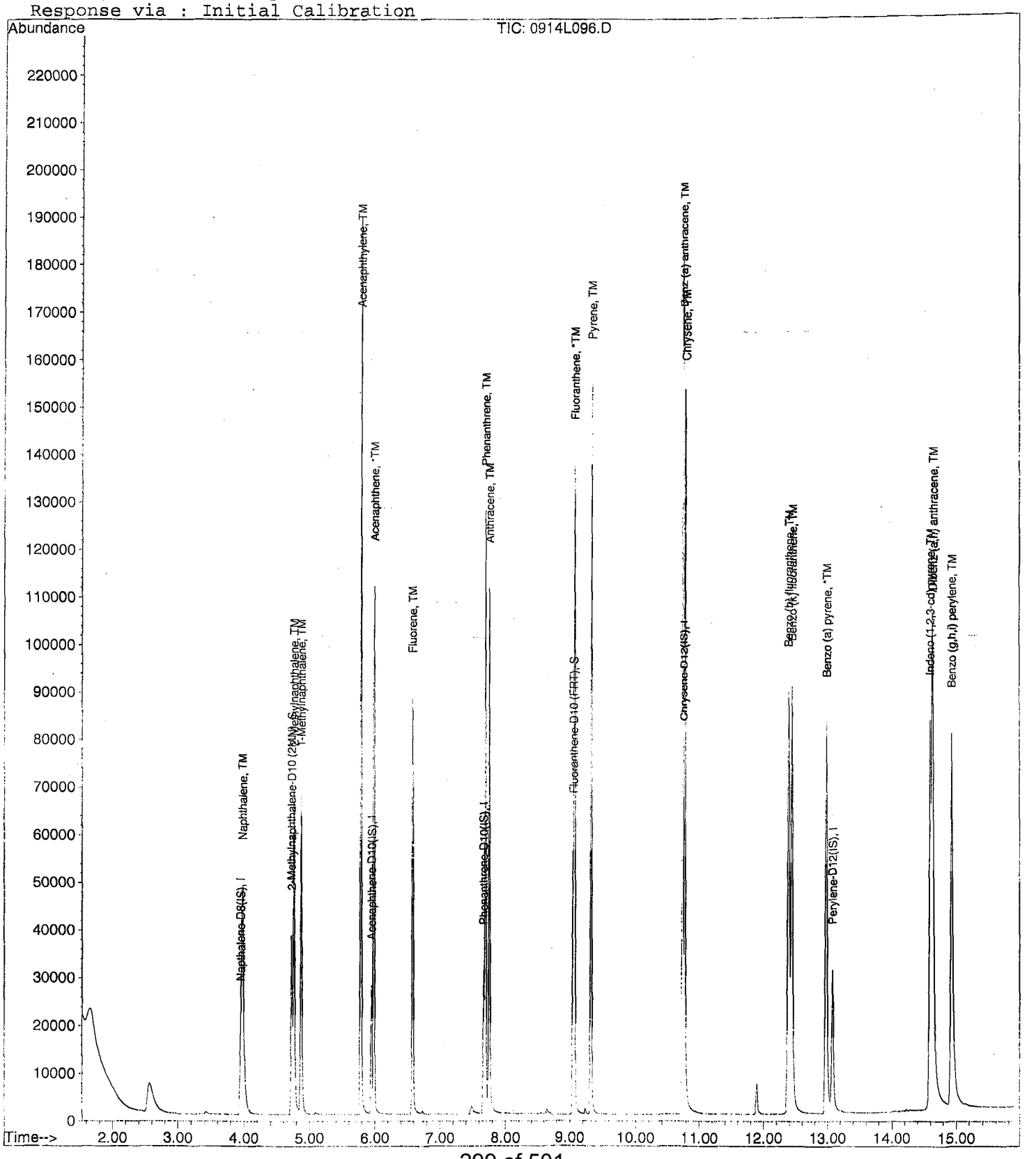
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\LINUS\DATA\L210914\0914L096.D Vial: 96
Acq On : 18 Sep 21 12:57 Operator: LS
Sample : 5 SIM 09/09/21 (4) Inst : Linus
Misc : Multiplr: 1.00

Quant Time: Sep 20 8:12 2021 Quant Results File: L0914.RES

Method : M:\LINUS\DATA\L210914\L0914.M (RTE Integrator)
Title : EPA 8270
Last Update : Wed Sep 15 11:56:24 2021
Response via : Initial Calibration



PAH by GCMS SIM
EPA 8270 SIM

Form 7

Ending Continuing Calibration

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

SDG No:
Date Analyzed: 9/18/2021
Instrument: Linus
Initial Cal. Date: 9/14/2021
Data File: 0914L105.D

		Compound	MEAN	CCRF	%D		%Drift
1	I	Napthalene-D8(IS)	ISTD			I	
2	TM	Naphthalene	1.279	1.305	2.0	TM	
3	S	2-Methylnaphthalene-D10 (2MN)	1.148	1.207	5.2	S	
4	TM	2-Methylnaphthalene	0.7316	0.7814	6.8	TM	
5	TM	1-Methylnaphthalene	0.7769	0.7877	1.4	TM	
6	I	Acenaphthene-D10(IS)	ISTD			I	
7	TM	Acenaphthylene	4.978	5.350	7.5	TM	
8	*TM	Acenaphthene	1.360	1.355	0.37	*TM	
9	TM	Fluorene	1.684	1.757	4.3	TM	
10	I	Phenanthrene-D10(IS)	ISTD			I	
11	TM	Phenanthrene	1.389	1.443	3.9	TM	
12	TM	Anthracene	1.281	1.379	7.6	TM	
13	S	Fluoranthene-D10 (FRT)	2.046	2.219	8.5	S	
14	*TM	Fluoranthene	2.250	2.453	9.0	*TM	
15	I	Chrysene-D12(IS)	ISTD			I	
16	TM	Pyrene	1.506	1.499	0.44	TM	
17	TM	Benz (a) anthracene	1.328	1.409	6.1	TM	
18	TM	Chrysene	1.480	1.347	9.0	TM	
19	TM	Indeno (1,2,3-cd) pyrene	1.497	1.584	5.8	TM	
20	I	Perylene-D12(IS)	ISTD			I	
21	TM	Benzo (b) fluoranthene	1.315	1.316	0.07	TM	
22	TM	Benzo (k) fluoranthene	1.551	1.545	0.39	TM	
23	*TM	Benzo (a) pyrene	1.264	1.320	4.5	*TM	
24	TM	Dibenz (a,h) anthracene	1.257	1.343	6.9	TM	
25	TM	Benzo (g,h,i) perylene	1.325	1.381	4.3	TM	
26							
27							
28							
29							
30							
31							
32							
33							
34							
35							
36							
37							
38							
39							
40							
		Average			4.7		

Quantitation Report (Not Reviewed)

Data File : M:\LINUS\DATA\L210914\0914L105.D Vial: 5
Acq On : 18 Sep 21 16:17 Operator: LS
Sample : 5 SIM 09/09/21 (2) Inst : Linus
Misc : Multiplr: 1.00

Quant Time: Sep 20 8:14 2021 Quant Results File: L0914.RES

Quant Method : M:\LINUS\DATA\L210914\L0914.M (RTE Integrator)
Title : EPA 8270
Last Update : Wed Sep 15 11:56:24 2021
Response via : Initial Calibration
DataAcq Meth : SIM_2

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Napthalene-D8(IS)	3.95	136	34232	2.50000 ppb	0.00
6) Acenaphthene-D10(IS)	5.95	164	17122	2.50000 ppb	0.00
10) Phenanthrene-D10(IS)	7.67	188	29961	2.50000 ppb	0.00
15) Chrysene-D12(IS)	10.75	240	50784	2.50000 ppb	0.00
20) Perylene-D12(IS)	13.07	264	50224	2.50000 ppb	0.00
System Monitoring Compounds					
3) 2-Methylnaphthalene-D10 (2	4.72	152	41324	2.62880 ppb	0.00
Spiked Amount 5.000			Recovery =	52.580%	
13) Fluoranthene-D10 (FRT)	9.04	212	66486	2.71172 ppb	-0.01
Spiked Amount 5.000			Recovery =	54.240%	
Target Compounds					Qvalue
2) Naphthalene	3.97	128	89311	5.09816 ppb	99
4) 2-Methylnaphthalene	4.76	142	53499	5.34051 ppb	99
5) 1-Methylnaphthalene	4.87	142	53928	5.06935 ppb	99
7) Acenaphthylene	5.78	152	183213	5.37417 ppb	100
8) Acenaphthene	5.99	154	46400	4.98125 ppb	96
9) Fluorene	6.58	166	60155	5.21556 ppb	100
11) Phenanthrene	7.69	178	86438	5.19406 ppb	100
12) Anthracene	7.75	178	82643	5.38157 ppb	100
14) Fluoranthene	9.06	202	146995	5.45064 ppb	100
16) Pyrene	9.32	202	152253	4.97820 ppb	100
17) Benz (a) anthracene	10.73	228	143101	5.30315 ppb	100
18) Chrysene	10.78	228	136766	4.54760 ppb #	93
19) Indeno (1,2,3-cd) pyrene	14.58	276	160929	5.29171 ppb	97
21) Benzo (b) fluoranthene	12.38	252	132154	5.00368 ppb	100
22) Benzo (k) fluoranthene	12.43	252	155175	4.98067 ppb	97
23) Benzo (a) pyrene	12.98	252	132634	5.22392 ppb	99
24) Dibenz (a,h) anthracene	14.63	278	134875	5.34309 ppb	98
25) Benzo (g,h,i) perylene	14.92	276	138733	5.21282 ppb	98

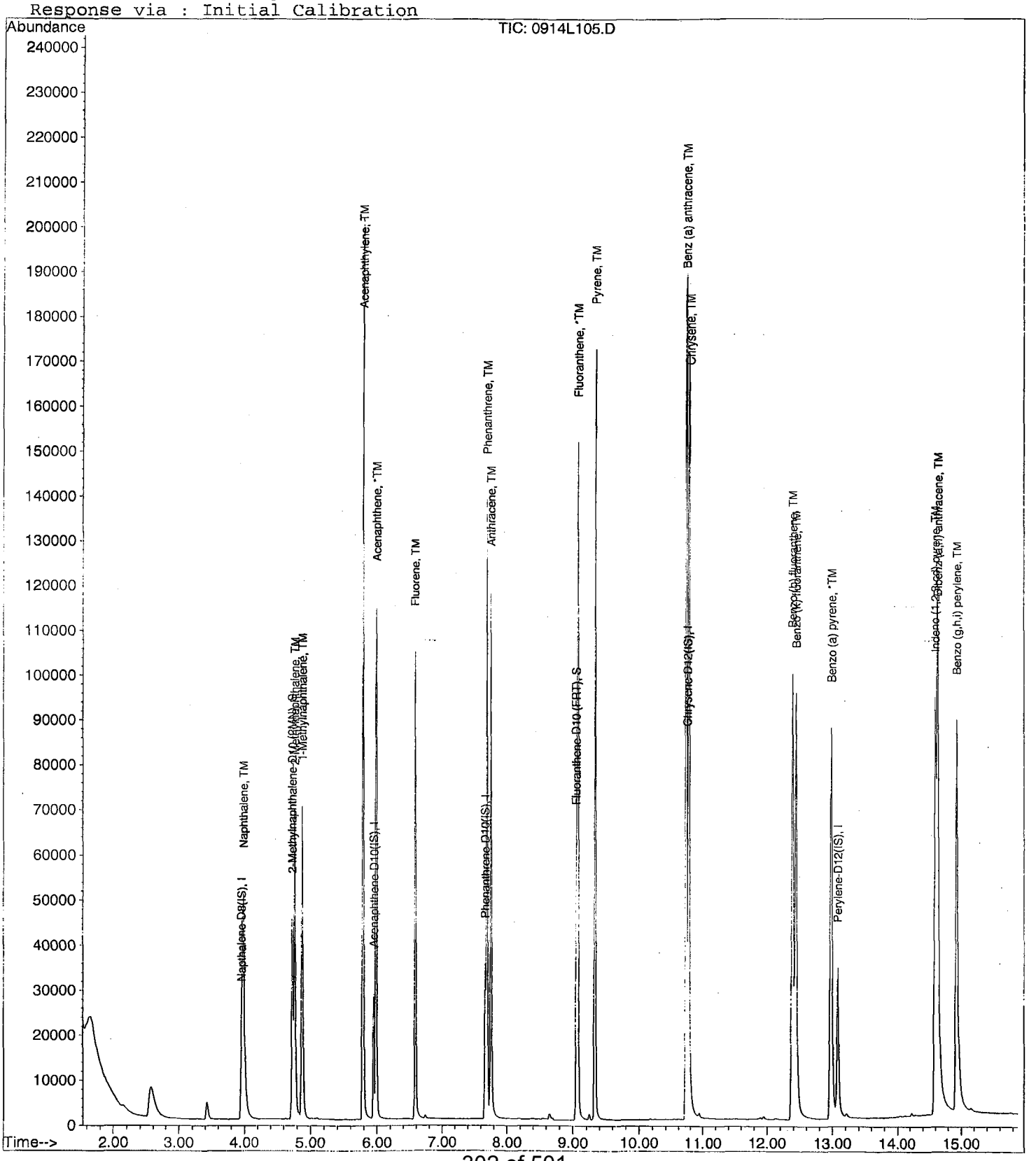
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\LINUS\DATA\L210914\0914L105.D Vial: 5
Acq On : 18 Sep 21 16:17 Operator: LS
Sample : 5 SIM 09/09/21 (2) Inst : Linus
Misc : Multiplr: 1.00

Quant Time: Sep 20 8:14 2021 Quant Results File: L0914.RES

Method : M:\LINUS\DATA\L210914\L0914.M (RTE Integrator)
Title : EPA 8270
Last Update : Wed Sep 15 11:56:24 2021
Response via : Initial Calibration



ORGANICS
Raw Data

Quantitation Report (QT Reviewed)

Data File : M:\LINUS\DATA\L210914\0914L100.D Vial: 100
Acq On : 18 Sep 21 14:26 Operator: LS
Sample : BA40209W06 1/950 Inst : Linus
Misc : Multiplr: 1.05

Quant Time: Sep 20 7:30 2021 Quant Results File: L0914.RES

Quant Method : M:\LINUS\DATA\L210914\L0914.M (RTE Integrator)
Title : EPA 8270
Last Update : Wed Sep 15 11:56:24 2021
Response via : Initial Calibration
DataAcq Meth : SIM_2

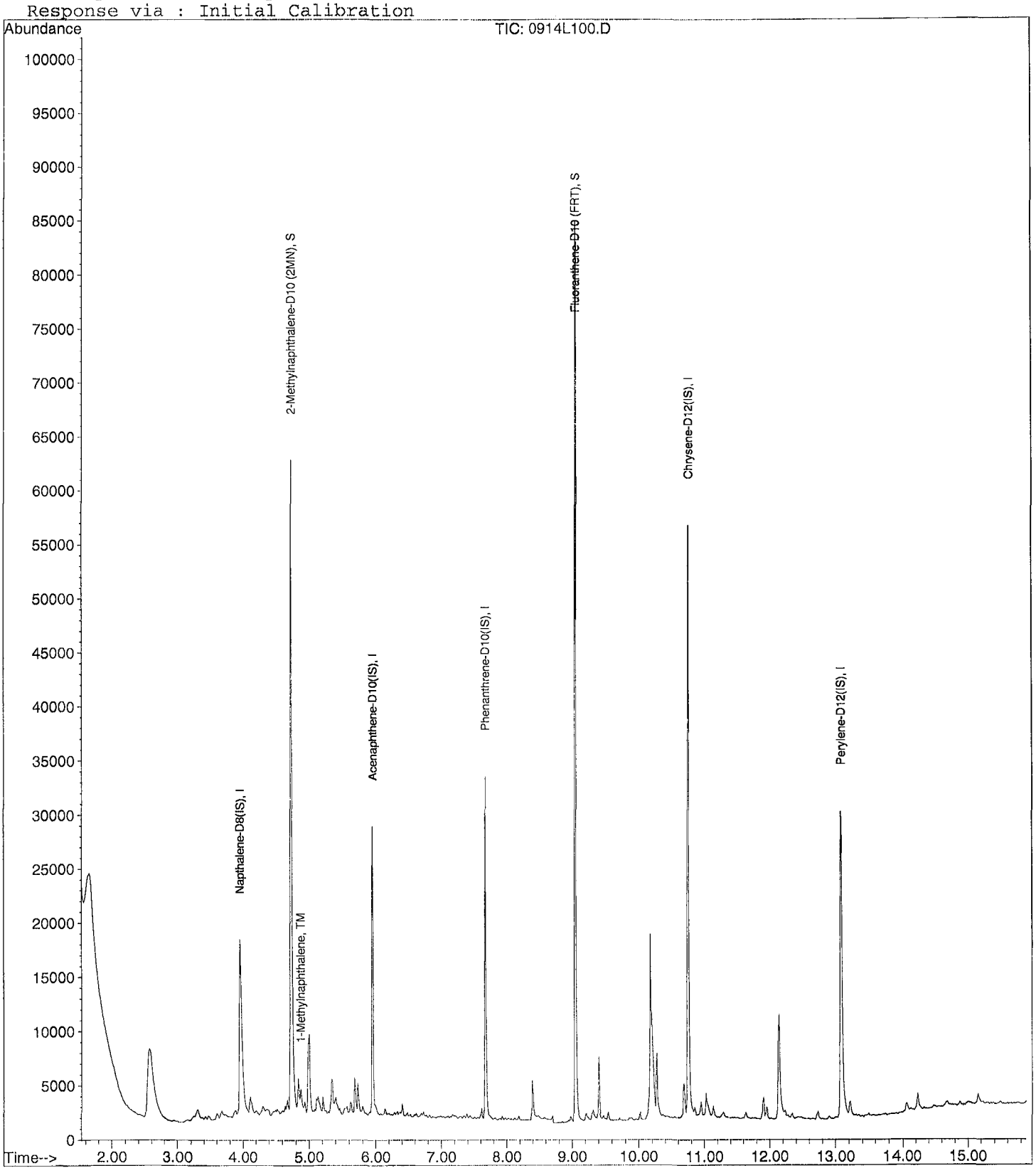
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Napthalene-D8(IS)	3.95	136	33870	2.50	ppb	0.00
6) Acenaphthene-D10(IS)	5.95	164	16923	2.50	ppb	0.00
10) Phenanthrene-D10(IS)	7.67	188	30409	2.50	ppb	0.00
15) Chrysene-D12(IS)	10.75	240	51913	2.50	ppb	0.00
20) Perylene-D12(IS)	13.07	264	50420	2.50	ppb	0.00
System Monitoring Compounds						
3) 2-Methylnaphthalene-D10 (2	4.72	152	60048	4.06	ppb	0.00
Spiked Amount 5.263			Recovery = 77.216%			
13) Fluoranthene-D10 (FRT)	9.04	212	96534	4.08	ppb	-0.01
Spiked Amount 5.263			Recovery = 77.577%			
Target Compounds						Qvalue
5) 1-Methylnaphthalene	4.87	142	1417	0.14	ppb	94

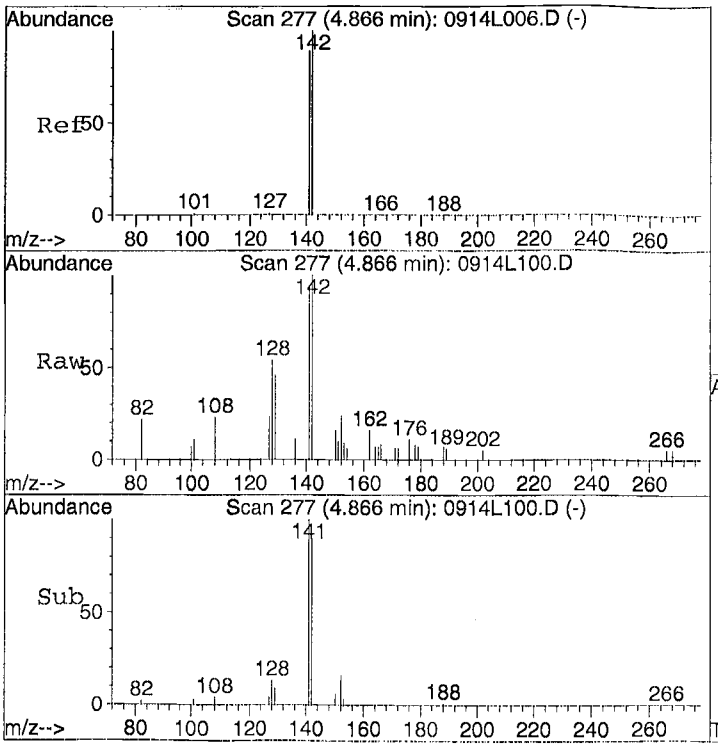
(#) = qualifier out of range (m) = manual integration

Data File : M:\LINUS\DATA\L210914\0914L100.D Vial: 100
Acq On : 18 Sep 21 14:26 Operator: LS
Sample : BA40209W06 1/950 Inst : Linus
Misc : Multiplr: 1.05

Quant Time: Sep 20 7:30 2021 Quant Results File: L0914.RES

Method : M:\LINUS\DATA\L210914\L0914.M (RTE Integrator)
Title : EPA 8270
Last Update : Wed Sep 15 11:56:24 2021
Response via : Initial Calibration

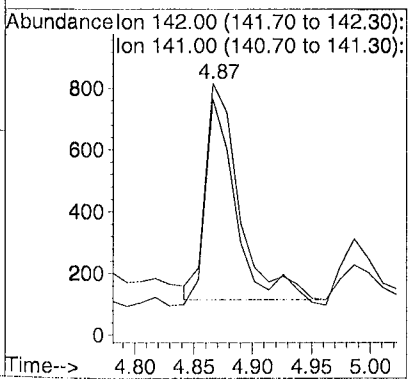




#5
1-Methylnaphthalene
Concen: 0.14 ppb
RT: 4.87 min Scan# 277
Delta R.T. 0.00 min
Lab File: 0914L100.D
Acq: 18 Sep 21 14:26

Tgt Ion:142 Resp: 1417

Ion	Ratio	Lower	Upper
142	100		
141	95.2	62.6	116.2



Quantitation Report (QT Reviewed)

Data File : M:\LINUS\DATA\L210914\0914L101.D Vial: 1
Acq On : 18 Sep 21 14:48 Operator: LS
Sample : BA40211W06 1/870 Inst : Linus
Misc : Multiplr: 1.15

Quant Time: Sep 20 7:31 2021 Quant Results File: L0914.RES

Quant Method : M:\LINUS\DATA\L210914\L0914.M (RTE Integrator)
Title : EPA 8270
Last Update : Wed Sep 15 11:56:24 2021
Response via : Initial Calibration
DataAcq Meth : SIM_2

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Napthalene-D8(IS)	3.95	136	33773	2.50	ppb	0.00
6) Acenaphthene-D10(IS)	5.95	164	17658	2.50	ppb	0.00
10) Phenanthrene-D10(IS)	7.67	188	30734	2.50	ppb	0.00
15) Chrysene-D12(IS)	10.75	240	52681	2.50	ppb	0.00
20) Perylene-D12(IS)	13.07	264	52543	2.50	ppb	0.00
System Monitoring Compounds						
3) 2-Methylnaphthalene-D10 (2	4.72	152	67255	4.98	ppb	0.00
Spiked Amount 5.747			Recovery = 86.739%			
13) Fluoranthene-D10 (FRT)	9.04	212	65022	2.97	ppb	-0.01
Spiked Amount 5.747			Recovery = 51.713%			
Target Compounds						Qvalue
2) Naphthalene	3.97	128	536449	35.68	ppb	97
4) 2-Methylnaphthalene	4.76	142	127140	14.79	ppb	100
5) 1-Methylnaphthalene	4.87	142	175769	19.25	ppb	100

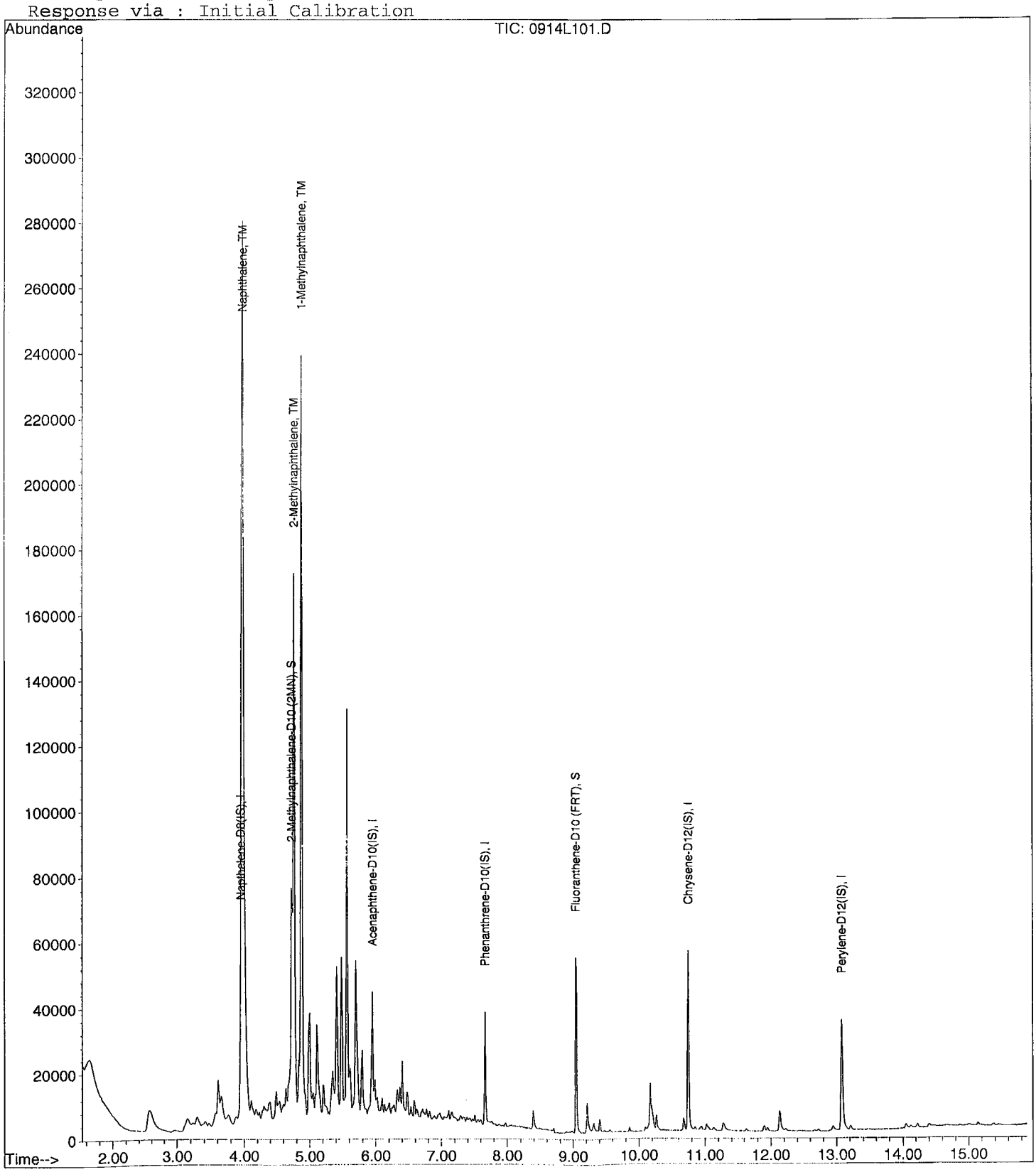
(#) = qualifier out of range (m) = manual integration

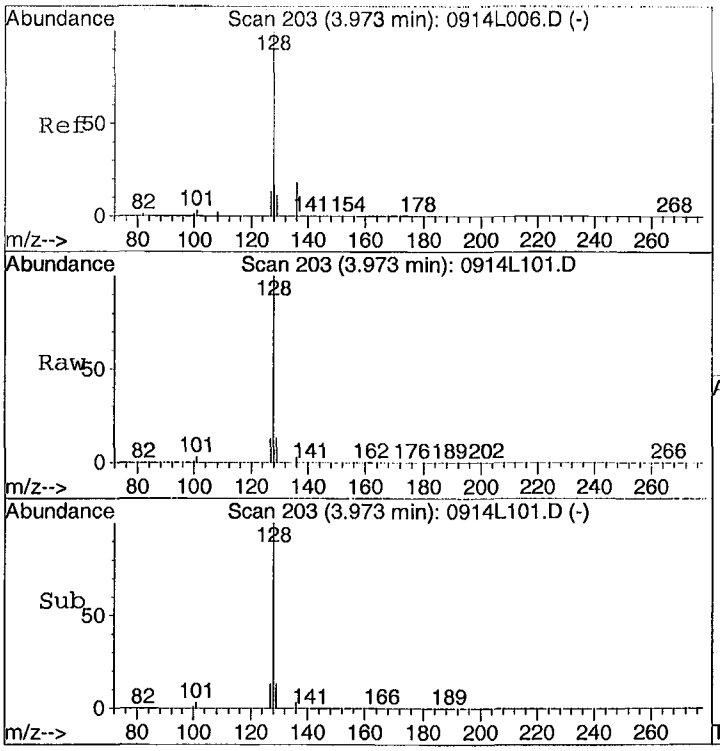
Quantitation Report

Data File : M:\LINUS\DATA\L210914\0914L101.D Vial: 1
Acq On : 18 Sep 21 14:48 Operator: LS
Sample : BA40211W06 1/870 Inst : Linus
Misc : Multiplr: 1.15

Quant Time: Sep 20 7:31 2021 Quant Results File: L0914.RES

Method : M:\LINUS\DATA\L210914\L0914.M (RTE Integrator)
Title : EPA 8270
Last Update : Wed Sep 15 11:56:24 2021
Response via : Initial Calibration

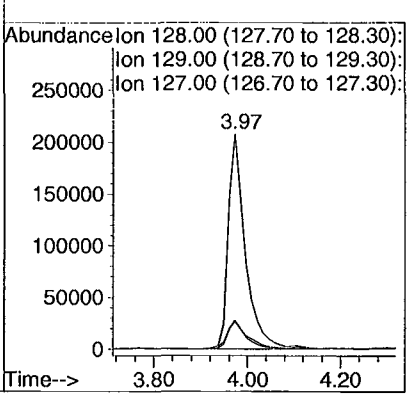


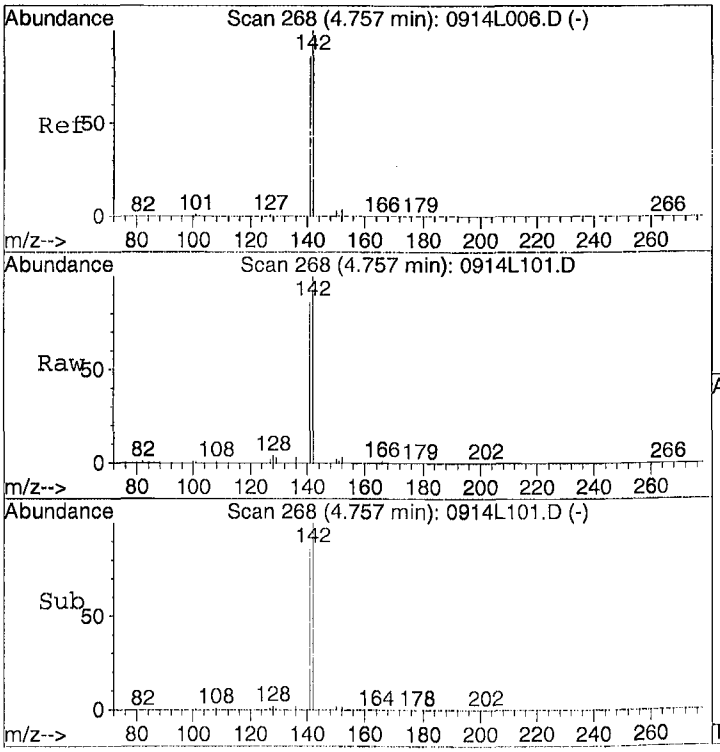


#2
Naphthalene
Concen: 35.68 ppb
RT: 3.97 min Scan# 203
Delta R.T. 0.00 min
Lab File: 0914L101.D
Acq: 18 Sep 21 14:48

Tgt Ion:128 Resp: 536449

Ion	Ratio	Lower	Upper
128	100		
129	12.8	7.5	13.9
127	13.2	8.9	16.5

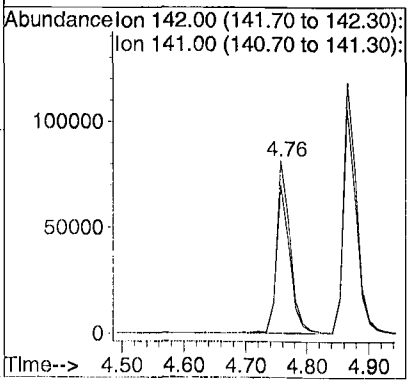


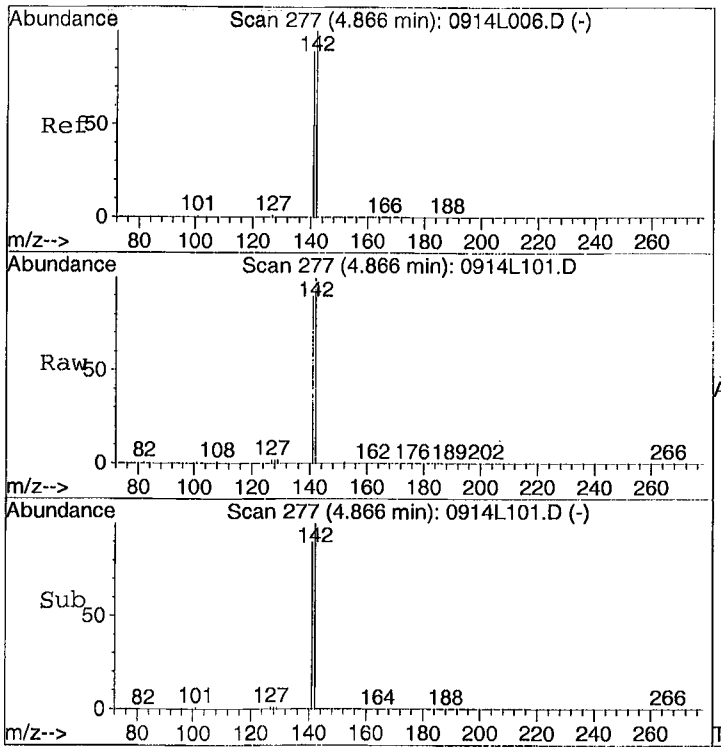


#4
2-Methylnaphthalene
Concen: 14.79 ppb
RT: 4.76 min Scan# 268
Delta R.T. 0.00 min
Lab File: 0914L101.D
Acq: 18 Sep 21 14:48

Tgt Ion:142 Resp: 127140

Ion	Ratio	Lower	Upper
142	100		
141	85.8	60.1	111.7

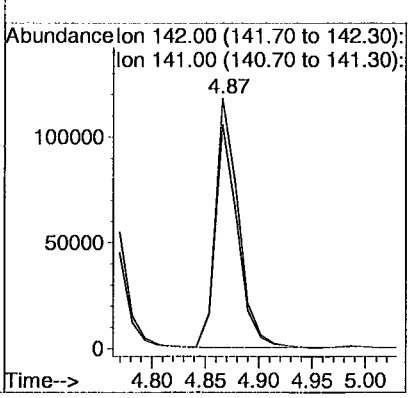




#5
1-Methylnaphthalene
Concen: 19.25 ppb
RT: 4.87 min Scan# 277
Delta R.T. 0.00 min
Lab File: 0914L101.D
Acq: 18 Sep 21 14:48

Tgt Ion:142 Resp: 175769

Ion	Ratio	Lower	Upper
142	100		
141	89.6	62.6	116.2



Quantitation Report (QT Reviewed)

Data File : M:\LINUS\DATA\L210914\0914L102.D Vial: 2
Acq On : 18 Sep 21 15:10 Operator: LS
Sample : BA40213W06 1/880 Inst : Linus
Misc : Multiplr: 1.14

Quant Time: Sep 20 7:32 2021 Quant Results File: L0914.RES

Quant Method : M:\LINUS\DATA\L210914\L0914.M (RTE Integrator)
Title : EPA 8270
Last Update : Wed Sep 15 11:56:24 2021
Response via : Initial Calibration
DataAcq Meth : SIM_2

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Napthalene-D8(IS)	3.95	136	34898	2.50	ppb	0.00
6) Acenaphthene-D10(IS)	5.95	164	17469	2.50	ppb	0.00
10) Phenanthrene-D10(IS)	7.66	188	30890	2.50	ppb	0.00
15) Chrysene-D12(IS)	10.75	240	52609	2.50	ppb	0.00
20) Perylene-D12(IS)	13.07	264	52969	2.50	ppb	0.00
System Monitoring Compounds						
3) 2-Methylnaphthalene-D10 (2	4.72	152	64071	4.54	ppb	0.00
Spiked Amount 5.682			Recovery =	79.957%		
13) Fluoranthene-D10 (FRT)	9.05	212	55272	2.48	ppb	0.00
Spiked Amount 5.682			Recovery =	43.736%		

Target Compounds	Qvalue

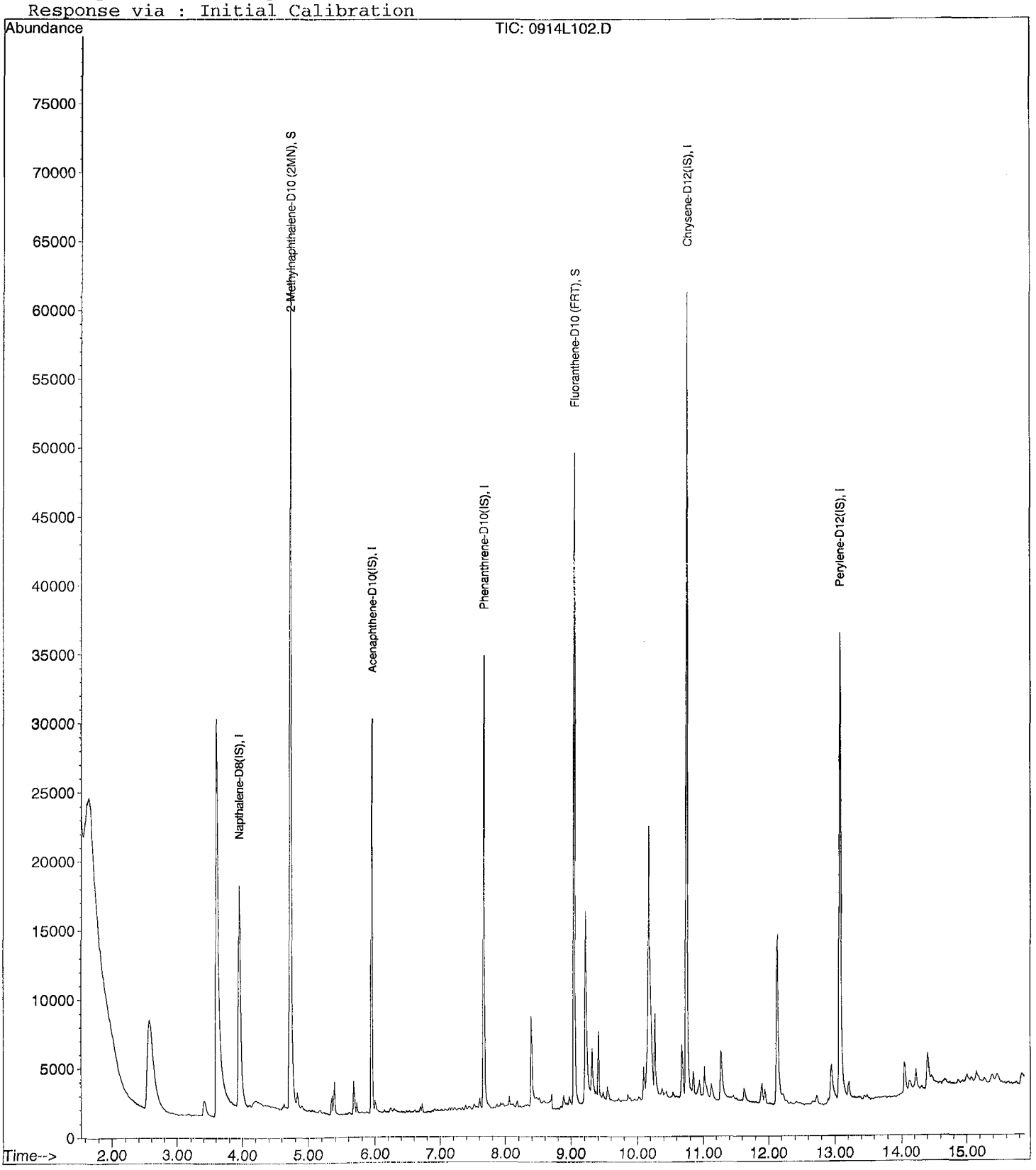
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\LINUS\DATA\L210914\0914L102.D Vial: 2
Acq On : 18 Sep 21 15:10 Operator: LS
Sample : BA40213W06 1/880 Inst : Linus
Misc : Multiplr: 1.14

Quant Time: Sep 20 7:32 2021 Quant Results File: L0914.RES

Method : M:\LINUS\DATA\L210914\L0914.M (RTE Integrator)
Title : EPA 8270
Last Update : Wed Sep 15 11:56:24 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\LINUS\DATA\L210914\0914L103.D Vial: 3
Acq On : 18 Sep 21 15:32 Operator: LS
Sample : BA40215W06 1/850 Inst : Linus
Misc : Multiplr: 1.18

Quant Time: Sep 20 7:32 2021 Quant Results File: L0914.RES

Quant Method : M:\LINUS\DATA\L210914\L0914.M (RTE Integrator)
Title : EPA 8270
Last Update : Wed Sep 15 11:56:24 2021
Response via : Initial Calibration
DataAcq Meth : SIM_2

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Napthalene-D8(IS)	3.95	136	35879	2.50	ppb	0.00
6) Acenaphthene-D10(IS)	5.95	164	17802	2.50	ppb	0.00
10) Phenanthrene-D10(IS)	7.67	188	31460	2.50	ppb	0.00
15) Chrysene-D12(IS)	10.75	240	53729	2.50	ppb	0.00
20) Perylene-D12(IS)	13.07	264	52071	2.50	ppb	0.00
System Monitoring Compounds						
3) 2-Methylnaphthalene-D10 (2	4.72	152	65176	4.65	ppb	0.00
Spiked Amount 5.882			Recovery = 79.118%			
13) Fluoranthene-D10 (FRT)	9.04	212	103645	4.74	ppb	-0.01
Spiked Amount 5.882			Recovery = 80.512%			

Target Compounds Qvalue

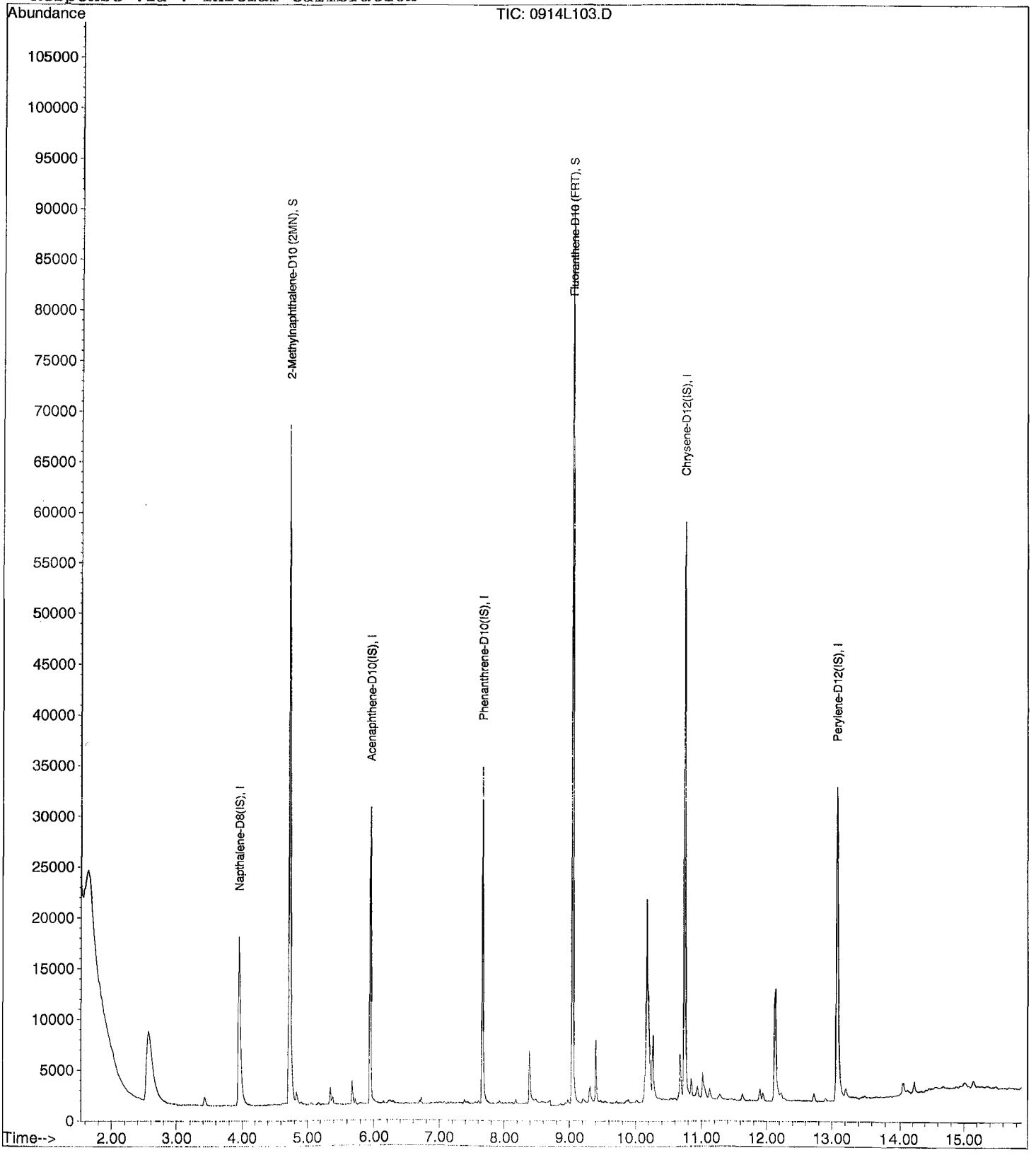
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\LINUS\DATA\L210914\0914L103.D Vial: 3
Acq On : 18 Sep 21 15:32 Operator: LS
Sample : BA40215W06 1/850 Inst : Linus
Misc : Multiplr: 1.18

Quant Time: Sep 20 7:32 2021 Quant Results File: L0914.RES

Method : M:\LINUS\DATA\L210914\L0914.M (RTE Integrator)
Title : EPA 8270
Last Update : Wed Sep 15 11:56:24 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\LINUS\DATA\L210914\0914L104.D Vial: 4
Acq On : 18 Sep 21 15:55 Operator: LS
Sample : BA40216W06 1/870 Inst : Linus
Misc : Multiplr: 1.15

Quant Time: Sep 20 7:33 2021 Quant Results File: L0914.RES

Quant Method : M:\LINUS\DATA\L210914\L0914.M (RTE Integrator)
Title : EPA 8270
Last Update : Wed Sep 15 11:56:24 2021
Response via : Initial Calibration
DataAcq Meth : SIM_2

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Napthalene-D8(IS)	3.95	136	35422	2.50	ppb	0.00
6) Acenaphthene-D10(IS)	5.95	164	17856	2.50	ppb	0.00
10) Phenanthrene-D10(IS)	7.67	188	30818	2.50	ppb	0.00
15) Chrysene-D12(IS)	10.75	240	53984	2.50	ppb	0.00
20) Perylene-D12(IS)	13.07	264	53327	2.50	ppb	0.00
System Monitoring Compounds						
3) 2-Methylnaphthalene-D10 (2	4.72	152	61095	4.32	ppb	0.00
Spiked Amount 5.747			Recovery = 75.116%			
13) Fluoranthene-D10 (FRT)	9.04	212	94136	4.29	ppb	-0.01
Spiked Amount 5.747			Recovery = 74.646%			
Target Compounds						Qvalue
5) 1-Methylnaphthalene	4.87	142	2282	0.24	ppb	98

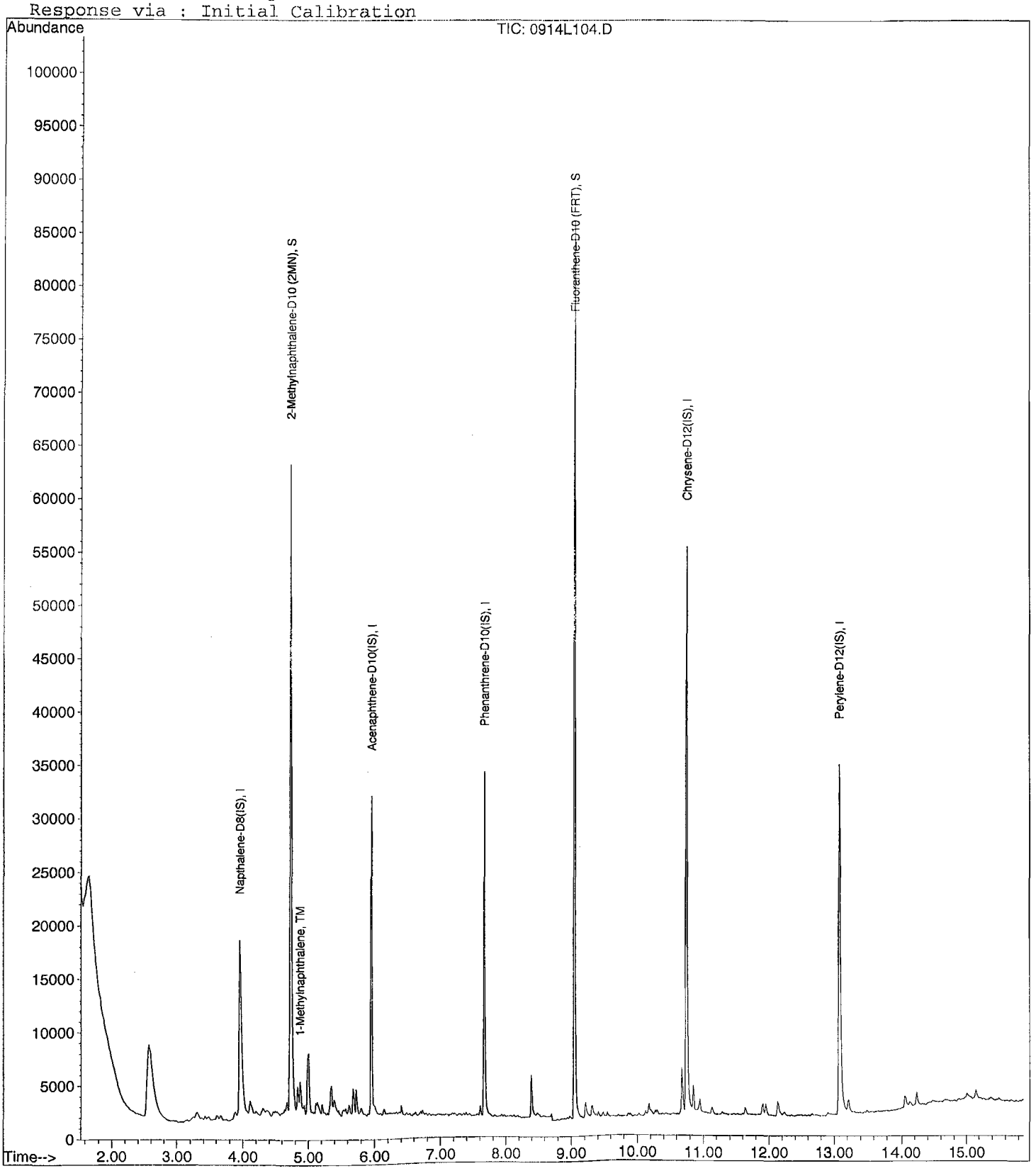
(#) = qualifier out of range (m) = manual integration

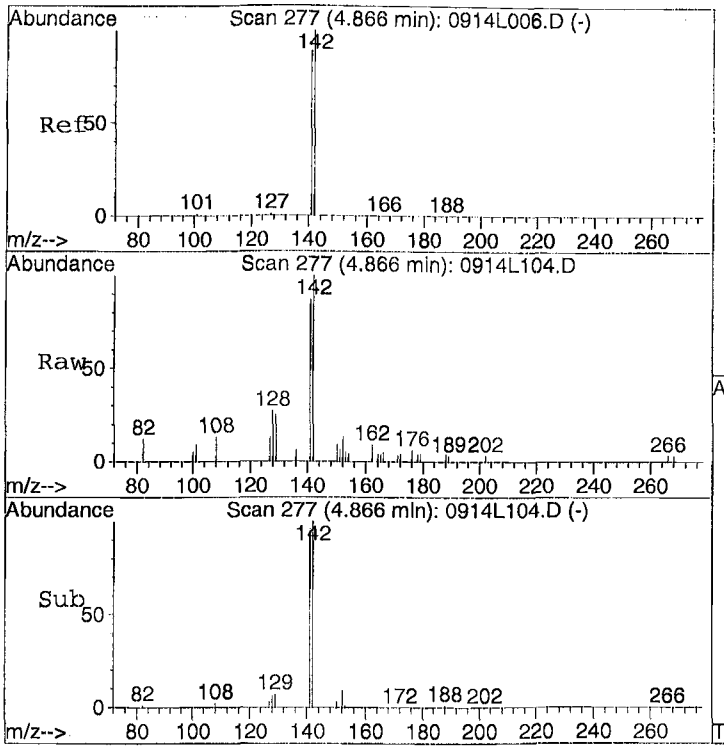
Quantitation Report

Data File : M:\LINUS\DATA\L210914\0914L104.D Vial: 4
Acq On : 18 Sep 21 15:55 Operator: LS
Sample : BA40216W06 1/870 Inst : Linus
Misc : Multiplr: 1.15

Quant Time: Sep 20 7:33 2021 Quant Results File: L0914.RES

Method : M:\LINUS\DATA\L210914\L0914.M (RTE Integrator)
Title : EPA 8270
Last Update : Wed Sep 15 11:56:24 2021
Response via : Initial Calibration

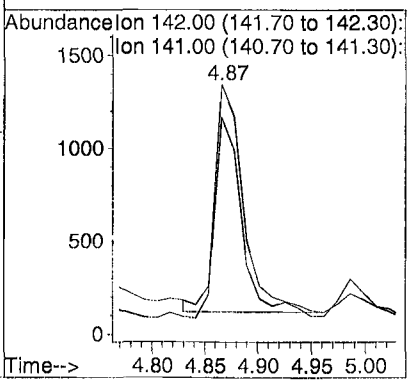




#5
1-Methylnaphthalene
Concen: 0.24 ppb
RT: 4.87 min Scan# 277
Delta R.T. 0.00 min
Lab File: 0914L104.D
Acq: 18 Sep 21 15:55

Tgt Ion:142 Resp: 2282

Ion	Ratio	Lower	Upper
142	100		
141	87.7	62.6	116.2



Quantitation Report (QT Reviewed)

Data File : M:\LINUS\DATA\L210914\0914L097.D Vial: 97
Acq On : 18 Sep 21 13:19 Operator: LS
Sample : 210914A BLK 1/1000 Inst : Linus
Misc : Multiplr: 1.00

Quant Time: Sep 20 7:28 2021 Quant Results File: L0914.RES

Quant Method : M:\LINUS\DATA\L210914\L0914.M (RTE Integrator)
Title : EPA 8270
Last Update : Wed Sep 15 11:56:24 2021
Response via : Initial Calibration
DataAcq Meth : SIM_2

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Napthalene-D8(IS)	3.95	136	34651	2.50	ppb	0.00
6) Acenaphthene-D10(IS)	5.95	164	17251	2.50	ppb	0.00
10) Phenanthrene-D10(IS)	7.66	188	30750	2.50	ppb	0.00
15) Chrysene-D12(IS)	10.75	240	53034	2.50	ppb	0.00
20) Perylene-D12(IS)	13.07	264	51671	2.50	ppb	0.00
System Monitoring Compounds						
3) 2-Methylnaphthalene-D10 (2	4.72	152	65914	4.14	ppb	0.00
Spiked Amount 5.000			Recovery =	82.840%		
13) Fluoranthene-D10 (FRT)	9.04	212	110241	4.38	ppb	-0.01
Spiked Amount 5.000			Recovery =	87.620%		

Target Compounds Qvalue

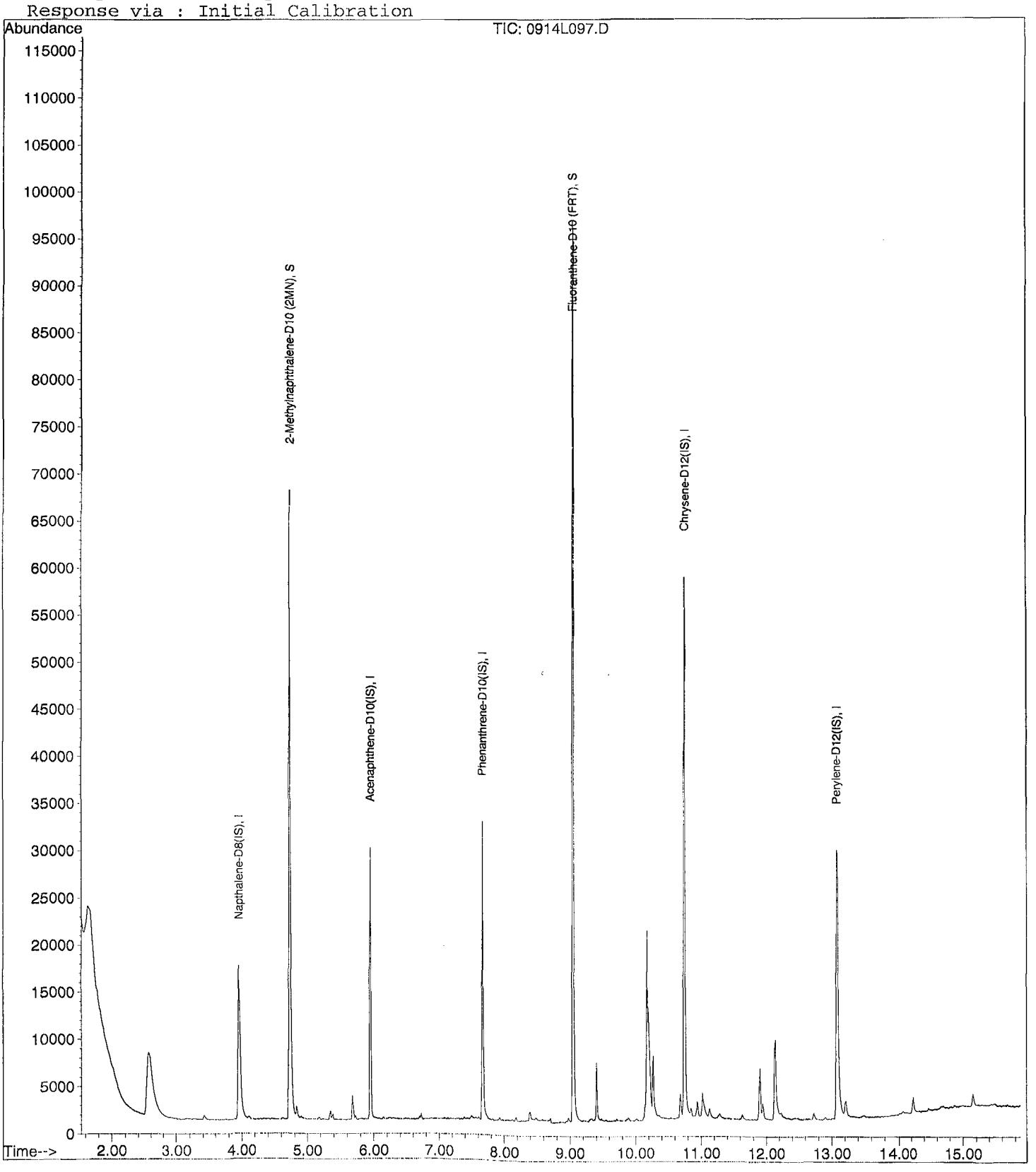
(#) = qualifier out of range (m) = manual integration

Data File : M:\LINUS\DATA\L210914\0914L097.D
Acq On : 18 Sep 21 13:19
Sample : 210914A BLK 1/1000
Misc :

Vial: 97
Operator: LS
Inst : Linus
Multiplr: 1.00

Quant Time: Sep 20 7:28 2021 Quant Results File: L0914.RES

Method : M:\LINUS\DATA\L210914\L0914.M (RTE Integrator)
Title : EPA 8270
Last Update : Wed Sep 15 11:56:24 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\LINUS\DATA\L210914\0914L098.D Vial: 98
Acq On : 18 Sep 21 13:41 Operator: LS
Sample : 210914A LCS-1 1/1000 Inst : Linus
Misc : Multiplr: 1.00

Quant Time: Sep 20 7:18 2021 Quant Results File: L0914.RES

Quant Method : M:\LINUS\DATA\L210914\L0914.M (RTE Integrator)
Title : EPA 8270
Last Update : Wed Sep 15 11:56:24 2021
Response via : Initial Calibration
DataAcq Meth : SIM_2

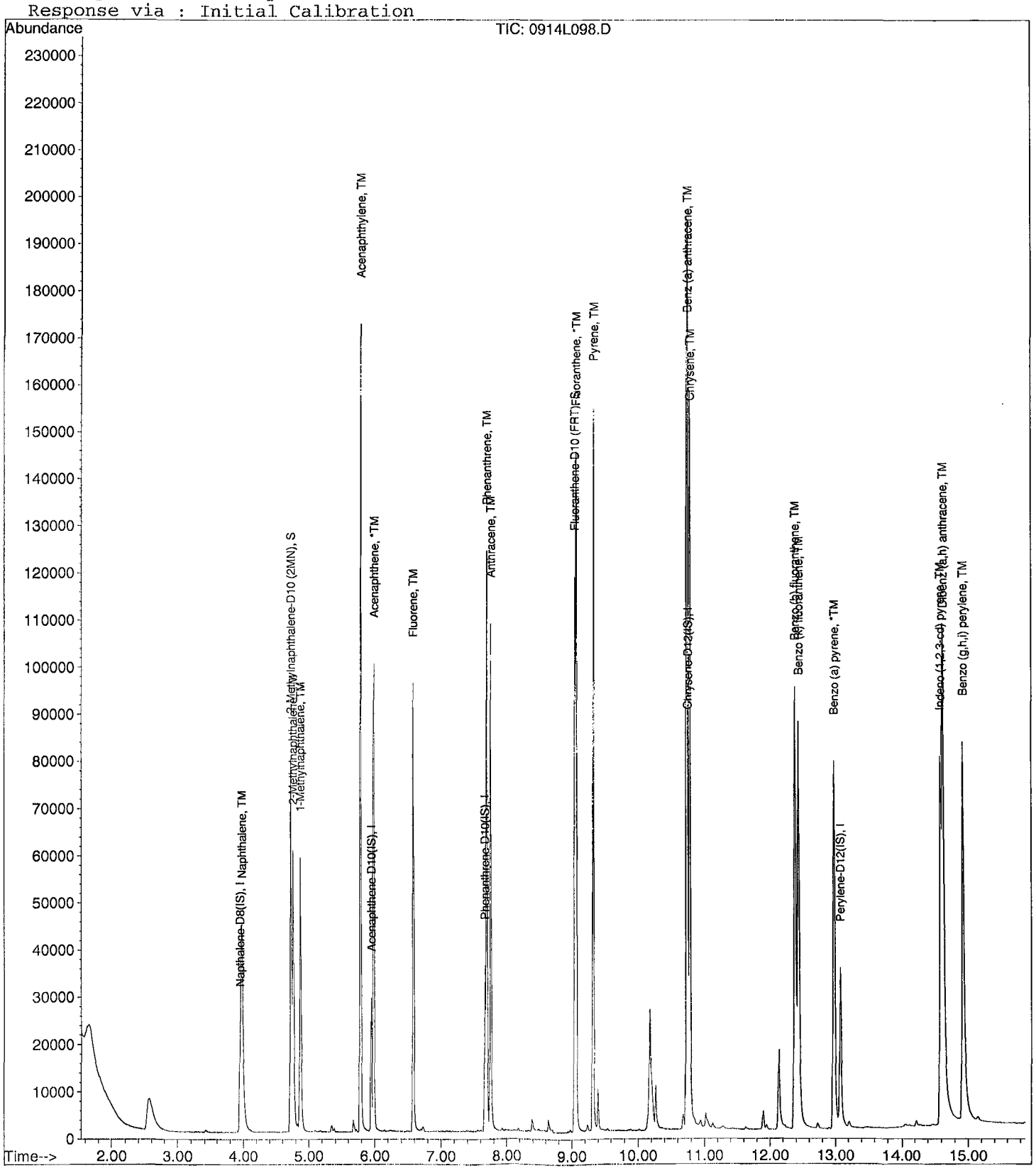
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Napthalene-D8(IS)	3.95	136	35052	2.50	ppb		0.00
6) Acenaphthene-D10(IS)	5.95	164	17411	2.50	ppb		0.00
10) Phenanthrene-D10(IS)	7.67	188	30390	2.50	ppb		0.00
15) Chrysene-D12(IS)	10.75	240	52151	2.50	ppb		0.00
20) Perylene-D12(IS)	13.07	264	51708	2.50	ppb		0.00
System Monitoring Compounds							
3) 2-Methylnaphthalene-D10 (2	4.72	152	71936	4.47	ppb		0.00
Spiked Amount 5.000			Recovery	=	89.380%		
13) Fluoranthene-D10 (FRT)	9.04	212	116061	4.67	ppb		-0.01
Spiked Amount 5.000			Recovery	=	93.340%		
Target Compounds							Qvalue
2) Naphthalene	3.97	128	74929	4.18	ppb		99
4) 2-Methylnaphthalene	4.76	142	43810	4.27	ppb		99
5) 1-Methylnaphthalene	4.87	142	44371	4.07	ppb		99
7) Acenaphthylene	5.78	152	156069	4.50	ppb		100
8) Acenaphthene	5.99	154	39629	4.18	ppb		97
9) Fluorene	6.58	166	53671	4.58	ppb		99
11) Phenanthrene	7.69	178	75924	4.50	ppb		100
12) Anthracene	7.75	178	71890	4.62	ppb		100
14) Fluoranthene	9.06	202	130539	4.77	ppb		98
16) Pyrene	9.32	202	135115	4.30	ppb		100
17) Benz (a) anthracene	10.74	228	130013	4.69	ppb		94
18) Chrysene	10.78	228	125194	4.05	ppb	#	93
19) Indeno (1,2,3-cd) pyrene	14.58	276	143352	4.59	ppb	#	100
21) Benzo (b) fluoranthene	12.38	252	130668	4.81	ppb		99
22) Benzo (k) fluoranthene	12.43	252	129900	4.05	ppb		97
23) Benzo (a) pyrene	12.98	252	114783	4.39	ppb		100
24) Dibenz (a,h) anthracene	14.63	278	121749	4.68	ppb		99
25) Benzo (g,h,i) perylene	14.92	276	124380	4.54	ppb		99

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

Data File : M:\LINUS\DATA\L210914\0914L098.D Vial: 98
Acq On : 18 Sep 21 13:41 Operator: LS
Sample : 210914A LCS-1 1/1000 Inst : Linus
Misc : Multiplr: 1.00

Quant Time: Sep 20 7:18 2021 Quant Results File: L0914.RES

Method : M:\LINUS\DATA\L210914\L0914.M (RTE Integrator)
Title : EPA 8270
Last Update : Wed Sep 15 11:56:24 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\LINUS\DATA\L210914\0914L099.D Vial: 99
Acq On : 18 Sep 21 14:04 Operator: LS
Sample : 210914A LCSD-1 1/1000 Inst : Linus
Misc : Multiplr: 1.00

Quant Time: Sep 20 7:18 2021 Quant Results File: L0914.RES

Quant Method : M:\LINUS\DATA\L210914\L0914.M (RTE Integrator)
Title : EPA 8270
Last Update : Wed Sep 15 11:56:24 2021
Response via : Initial Calibration
DataAcq Meth : SIM_2

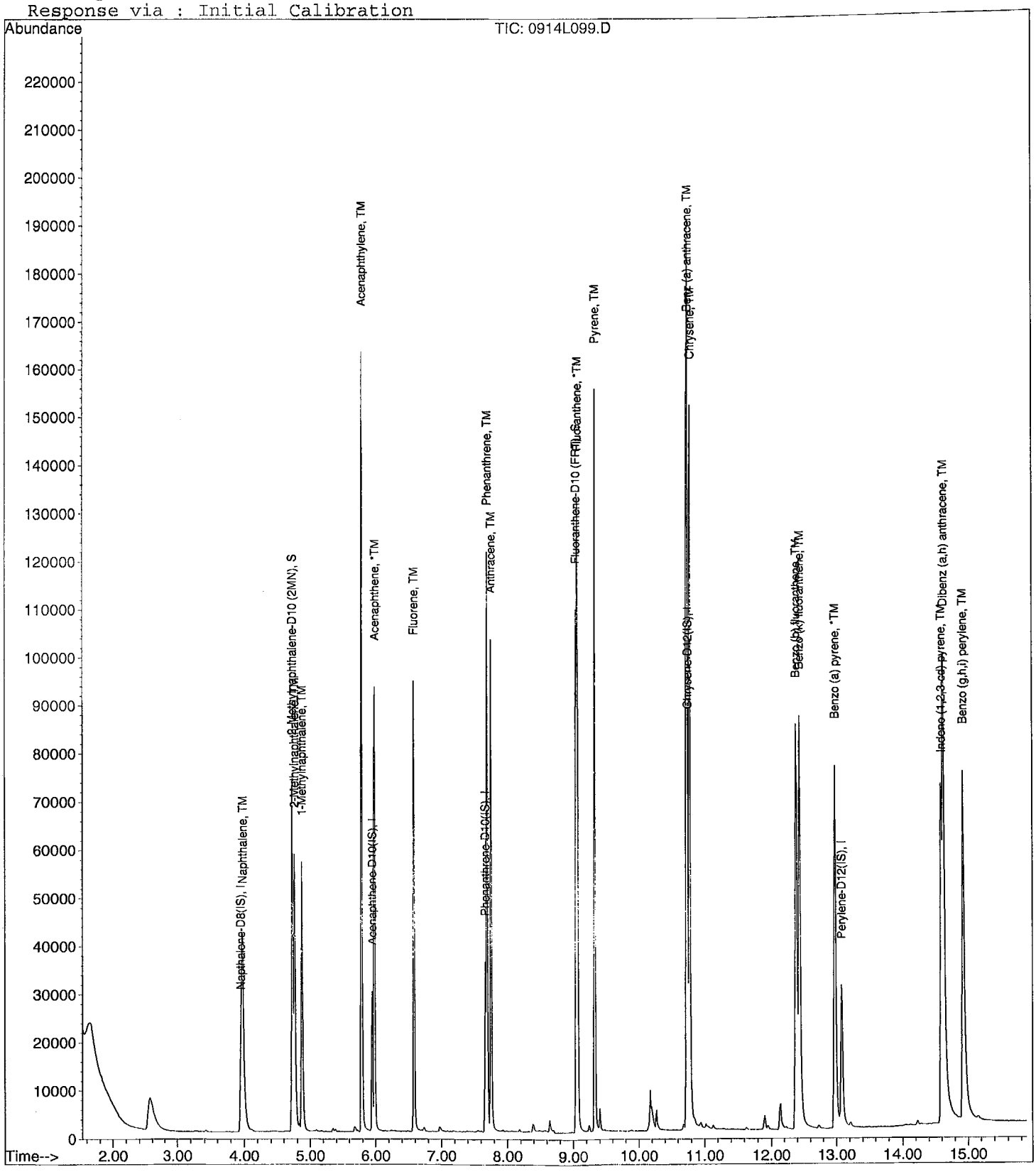
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Napthalene-D8(IS)	3.95	136	33458	2.50	ppb		0.00
6) Acenaphthene-D10(IS)	5.95	164	17233	2.50	ppb		0.00
10) Phenanthrene-D10(IS)	7.66	188	29897	2.50	ppb		0.00
15) Chrysene-D12(IS)	10.75	240	50641	2.50	ppb		0.00
20) Perylene-D12(IS)	13.07	264	49173	2.50	ppb		0.00
System Monitoring Compounds							
3) 2-Methylnaphthalene-D10 (2	4.72	152	65797	4.28	ppb		0.00
Spiked Amount 5.000			Recovery = 85.640%				
13) Fluoranthene-D10 (FRT)	9.04	212	109049	4.46	ppb		-0.01
Spiked Amount 5.000			Recovery = 89.140%				
Target Compounds							Qvalue
2) Naphthalene	3.97	128	70543	4.12	ppb		100
4) 2-Methylnaphthalene	4.76	142	42061	4.30	ppb		98
5) 1-Methylnaphthalene	4.87	142	42683	4.11	ppb		99
7) Acenaphthylene	5.78	152	147410	4.30	ppb		100
8) Acenaphthene	5.99	154	37887	4.04	ppb		97
9) Fluorene	6.58	166	51843	4.47	ppb		100
11) Phenanthrene	7.69	178	74004	4.46	ppb		100
12) Anthracene	7.75	178	68320	4.46	ppb		100
14) Fluoranthene	9.06	202	127162	4.73	ppb		100
16) Pyrene	9.32	202	130874	4.29	ppb		98
17) Benz (a) anthracene	10.74	228	125404	4.66	ppb		94
18) Chrysene	10.78	228	121912	4.07	ppb	#	94
19) Indeno (1,2,3-cd) pyrene	14.60	276	136800	4.51	ppb	#	86
21) Benzo (b) fluoranthene	12.38	252	123005	4.76	ppb		99
22) Benzo (k) fluoranthene	12.43	252	127930	4.19	ppb		96
23) Benzo (a) pyrene	12.98	252	110916	4.46	ppb		99
24) Dibenz (a,h) anthracene	14.63	278	116826	4.73	ppb		99
25) Benzo (g,h,i) perylene	14.92	276	119450	4.58	ppb		98

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

Data File : M:\LINUS\DATA\L210914\0914L099.D Vial: 99
Acq On : 18 Sep 21 14:04 Operator: LS
Sample : 210914A LCSD-1 1/1000 Inst : Linus
Misc : Multiplr: 1.00

Quant Time: Sep 20 7:18 2021 Quant Results File: L0914.RES

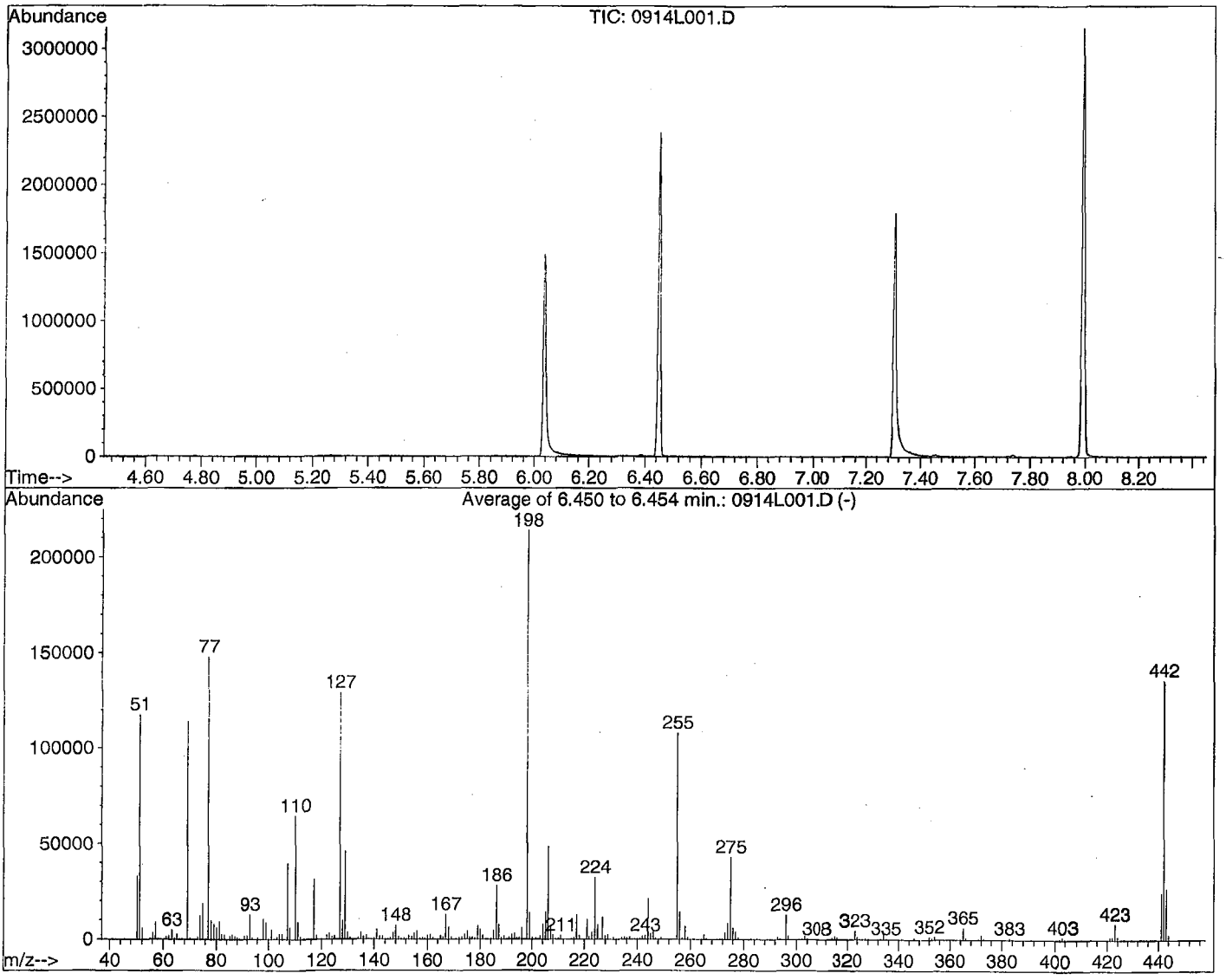
Method : M:\LINUS\DATA\L210914\L0914.M (RTE Integrator)
Title : EPA 8270
Last Update : Wed Sep 15 11:56:24 2021
Response via : Initial Calibration



DFTPP

Data File : M:\LINUS\DATA\L210914\0914L001.D Vial: 1
Acq On : 14 Sep 21 11:50 Operator: LS
Sample : SV TUNE 7/2/21 Inst : Linus
Misc : Multiplr: 1.00

Method : M:\LINUS\DATA\L210914\DFTPP2.M (Chemstation Integrator)
Title :



AutoFind: Scans 1552, 1553, 1554; Background Corrected with Scan 1544

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	55.0	117685	PASS
68	69	0.00	2	0.0	0	PASS
69	69	100	100	100.0	114368	PASS
70	69	0.00	2	0.7	819	PASS
127	198	10	80	60.3	129179	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	214165	PASS
199	198	5	9	6.4	13724	PASS
275	198	10	60	20.1	43115	PASS
365	198	1	100	2.9	6172	PASS
441	442	0.01	24	18.0	24435	PASS
442	198	50	500	63.5	136005	PASS
443	442	15	24	19.6	26675	PASS

Data File Name:	**0914L001.D**
Data File Path:	**M:\LINUS\DATA\L210914**
Operator:	**LS**
Date Acquired:	**14 Sep 2021 11:50**
Method File:	**DFTPP2.M**
Sample Name:	**SV TUNE 7/2/21**
Vial Number:	**1**
Instrument Name:	**Linus**

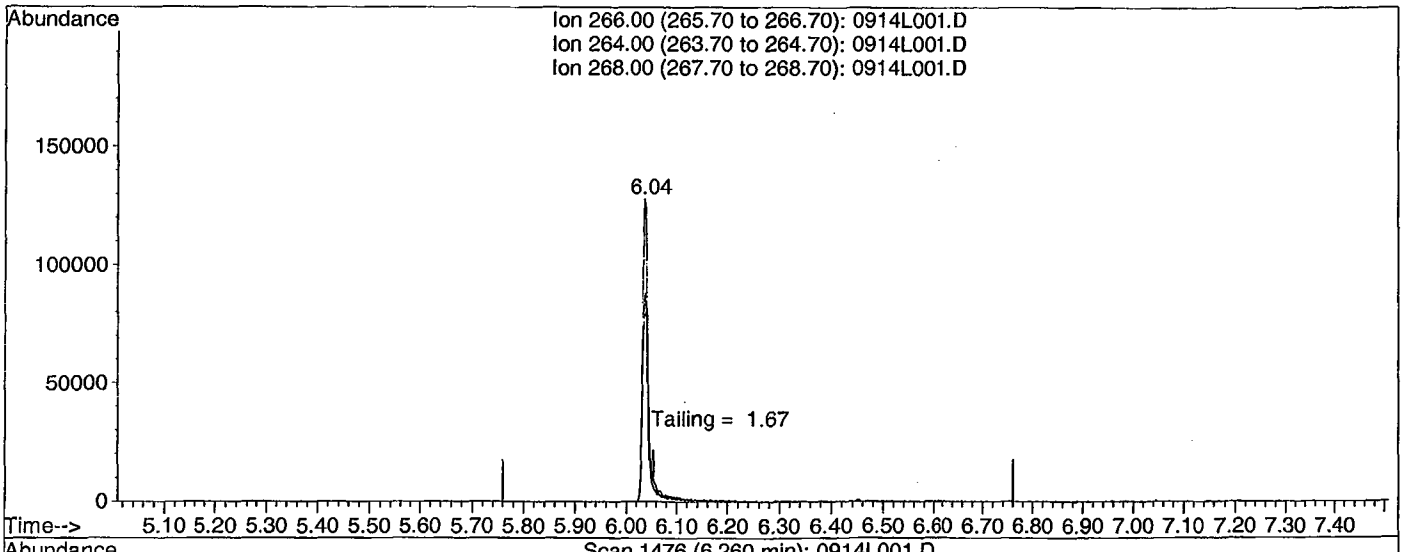
#	Name	Ret Time	Target Response
1)	DDT	7.99	21829400
2)	DDD	7.74	109896
3)	DDE	7.45	0

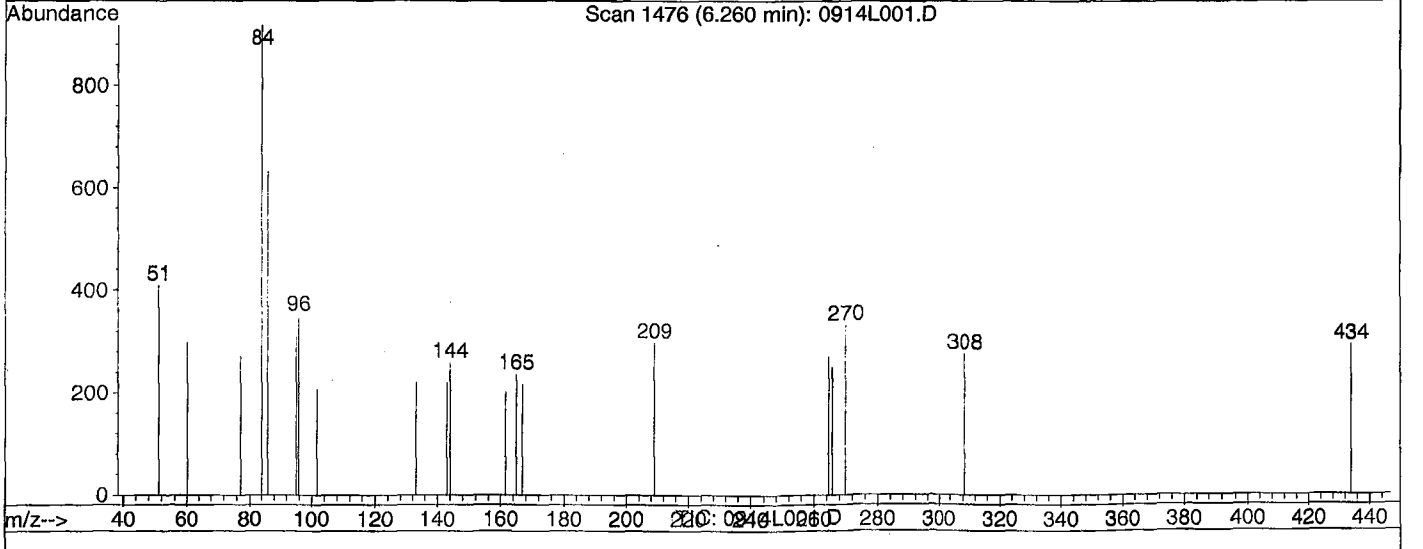
Breakdown **0.50**

Quantitation Report

Data File : M:\LINUS\DATA\L210914\0914L001.D Vial: 1
Acq On : 14 Sep 21 11:50 Operator: LS
Sample : SV TUNE 7/2/21 Inst : Linus
Misc : Multiplr: 1.00
Quant Time: Sep 14 12:02 2021 Quant Results File: temp.res

Method : M:\LINUS\DATA\L210914\DFTPP2.M (Chemstation Integrator)
Title :
Last Update : Thu Sep 09 15:45:54 2021
Response via : Single Level Calibration





(5) Pentachlorophenol

6.26min 0.0000

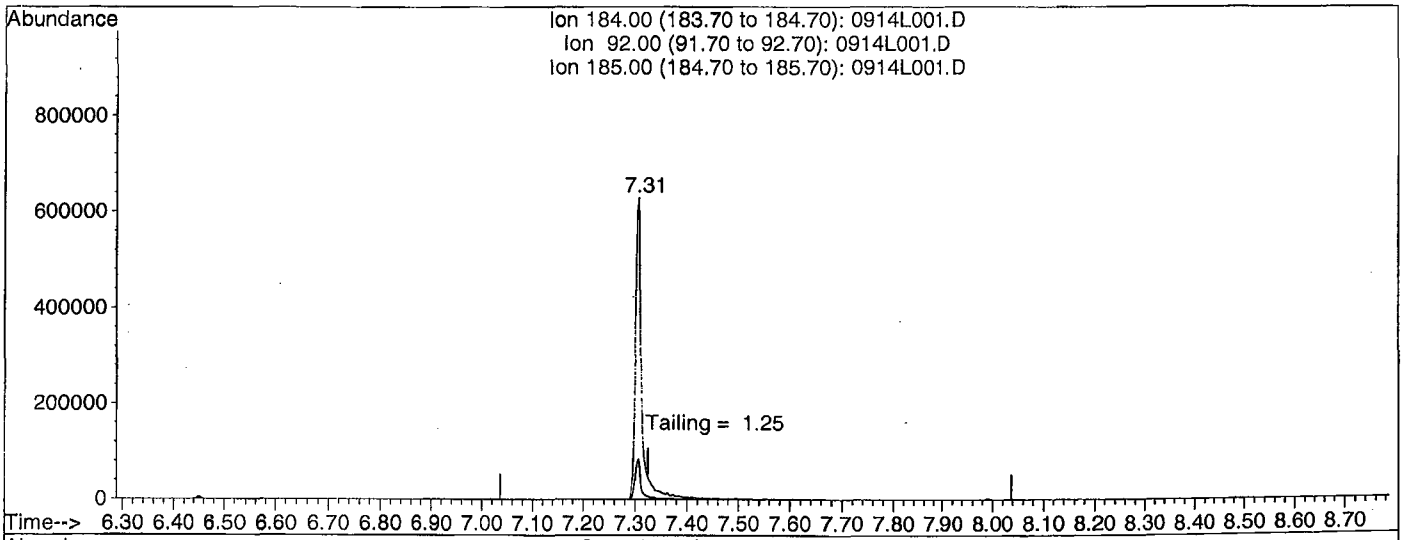
response 0

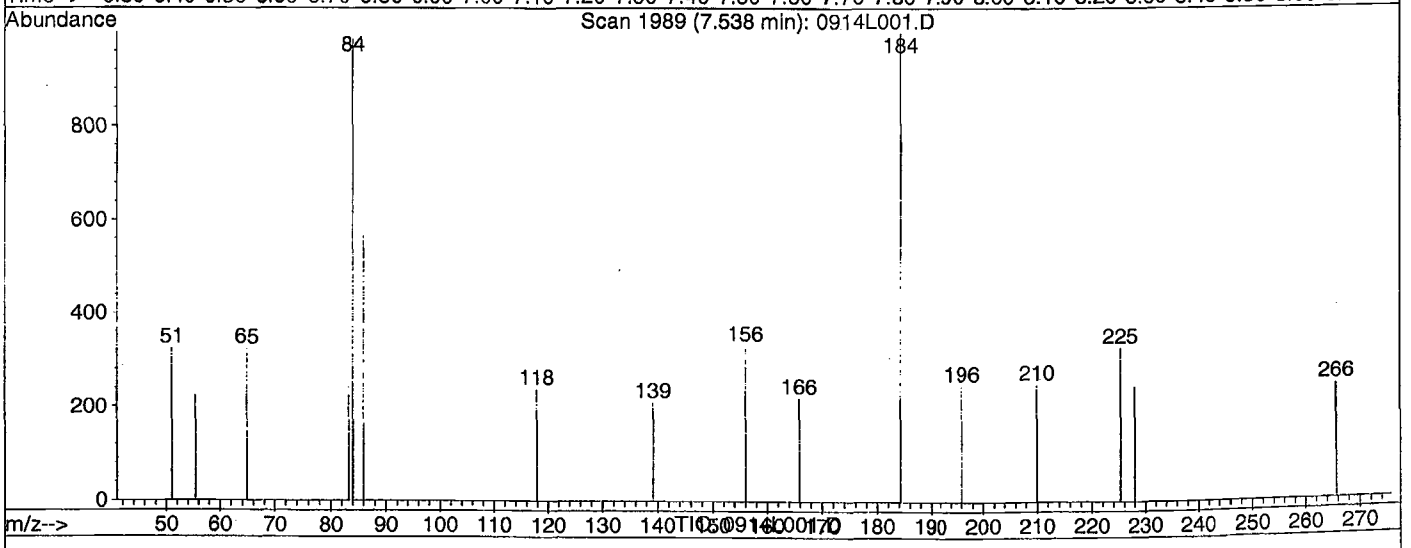
Ion	Exp%	Act%
266.00	100	0.00
264.00	60.60	0.00#
268.00	65.30	0.00#
0.00	0.00	0.00

Quantitation Report

Data File : M:\LINUS\DATA\L210914\0914L001.D Vial: 1
Acq On : 14 Sep 21 11:50 Operator: LS
Sample : SV TUNE 7/2/21 Inst : Linus
Misc : Multiplr: 1.00
Quant Time: Sep 14 12:02 2021 Quant Results File: temp.res

Method : M:\LINUS\DATA\L210914\DFTPP2.M (Chemstation Integrator)
Title :
Last Update : Thu Sep 09 15:45:54 2021
Response via : Single Level Calibration





(6) Benzidine

7.54min 0.0000

response 0

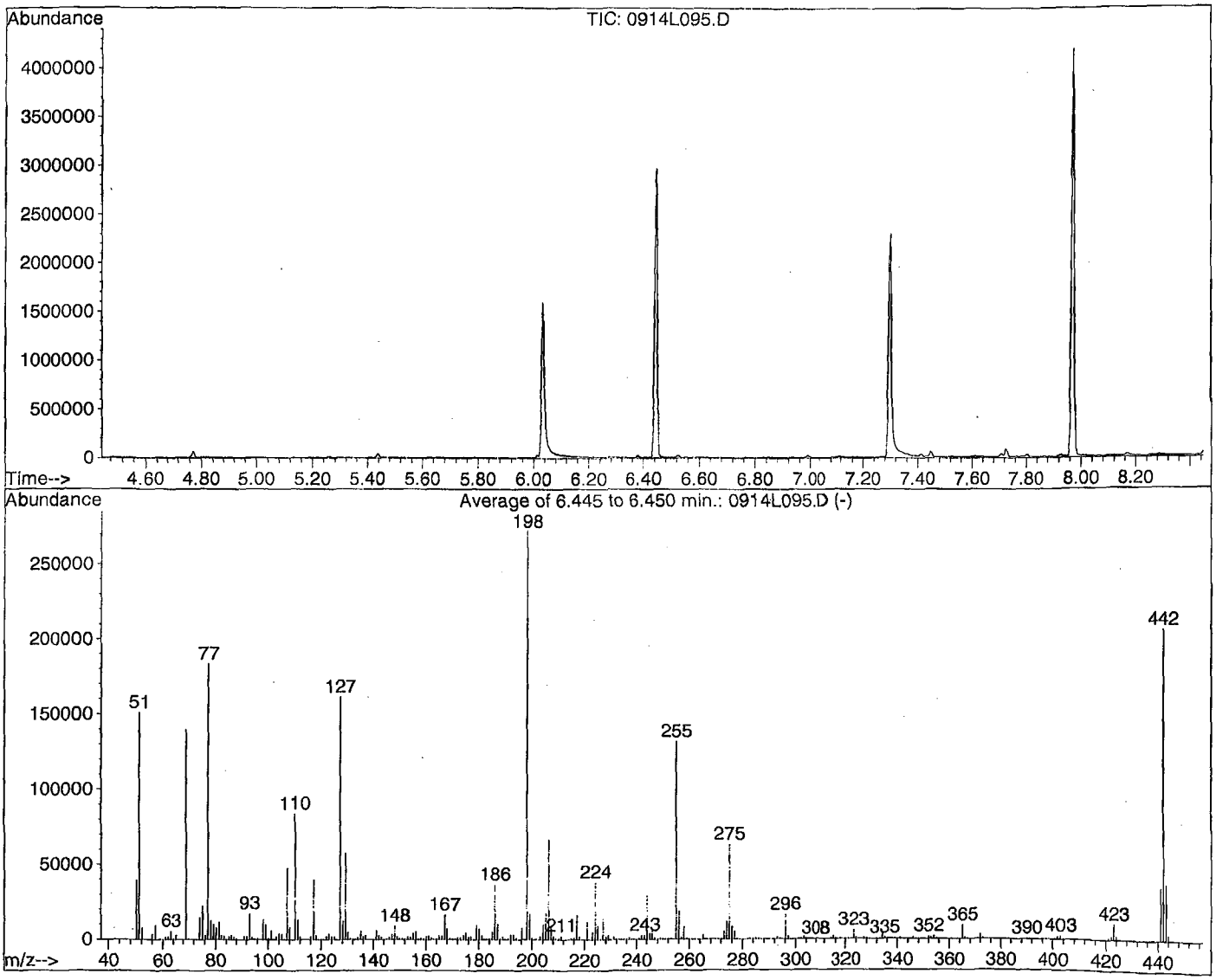
Ion	Exp%	Act%
184.00	100	0.00
92.00	7.20	0.00#
185.00	13.60	0.00#
0.00	0.00	0.00

DFTPP

Data File : M:\LINUS\DATA\L210914\0914L095.D
Acq On : 18 Sep 21 12:41
Sample : SV TUNE 7/2/21
Misc :

Vial: 95
Operator: LS
Inst : Linus
Multiplr: 1.00

Method : M:\LINUS\DATA\L210914\L0914.M (RTE Integrator)
Title : EPA 8270



AutoFind: Scans 1550, 1551, 1552; Background Corrected with Scan 1541

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	55.5	151002	PASS
68	69	0.00	2	0.0	0	PASS
70	69	0.00	2	0.5	692	PASS
127	198	10	80	59.2	161280	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	272277	PASS
199	198	5	9	6.3	17229	PASS
275	198	10	60	23.3	63413	PASS
365	198	1	100	3.4	9262	PASS
441	442	0.01	24	16.8	34581	PASS
442	198	50	500	75.8	206293	PASS
443	442	15	24	17.9	36933	PASS

Data File Name:	**0914L095.D**
Data File Path:	**M:\LINUS\DATA\L210914**
Operator:	**LS**
Date Acquired:	**18 Sep 2021 12:41**
Method File:	**DFTPP2.M**
Sample Name:	**SV TUNE 7/2/21**
Vial Number:	**95**
Instrument Name:	**Linus**

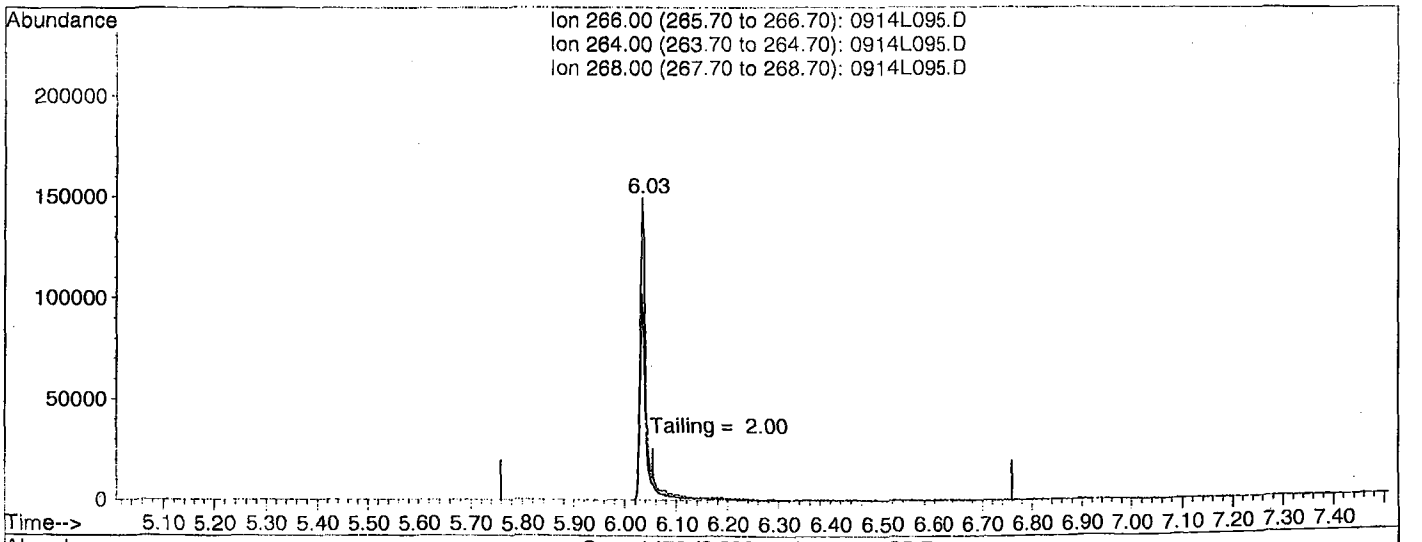
#	Name	Ret Time	Target Response
1)	DDT	7.99	27614800
2)	DDD	7.74	586442
3)	DDE	7.45	368617

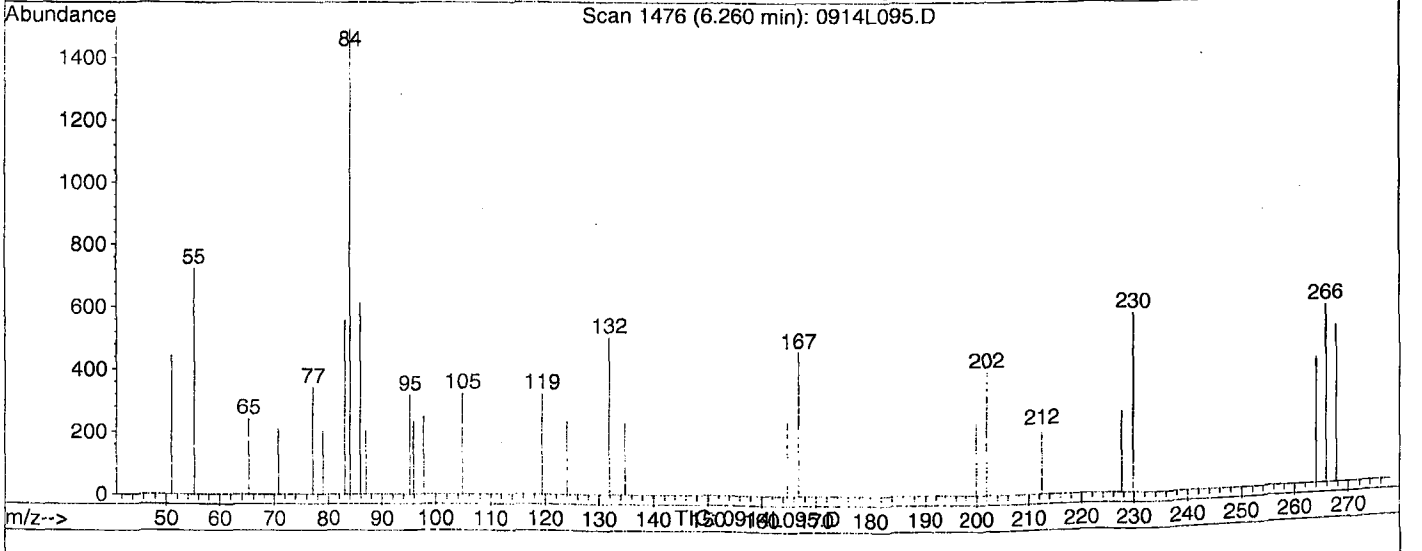
Breakdown **3.34**

Quantitation Report

Data File : M:\LINUS\DATA\L210914\0914L095.D Vial: 95
Acq On : 18 Sep 21 12:41 Operator: LS
Sample : SV TUNE 7/2/21 Inst : Linus
Misc : Multiplr: 1.00
Quant Time: Sep 20 8:12 2021 Quant Results File: temp.res

Method : M:\LINUS\DATA\L210914\DFTPP2.M (Chemstation Integrator)
Title :
Last Update : Thu Sep 09 15:45:54 2021
Response via : Single Level Calibration





(5) Pentachlorophenol

6.26min 0.0000

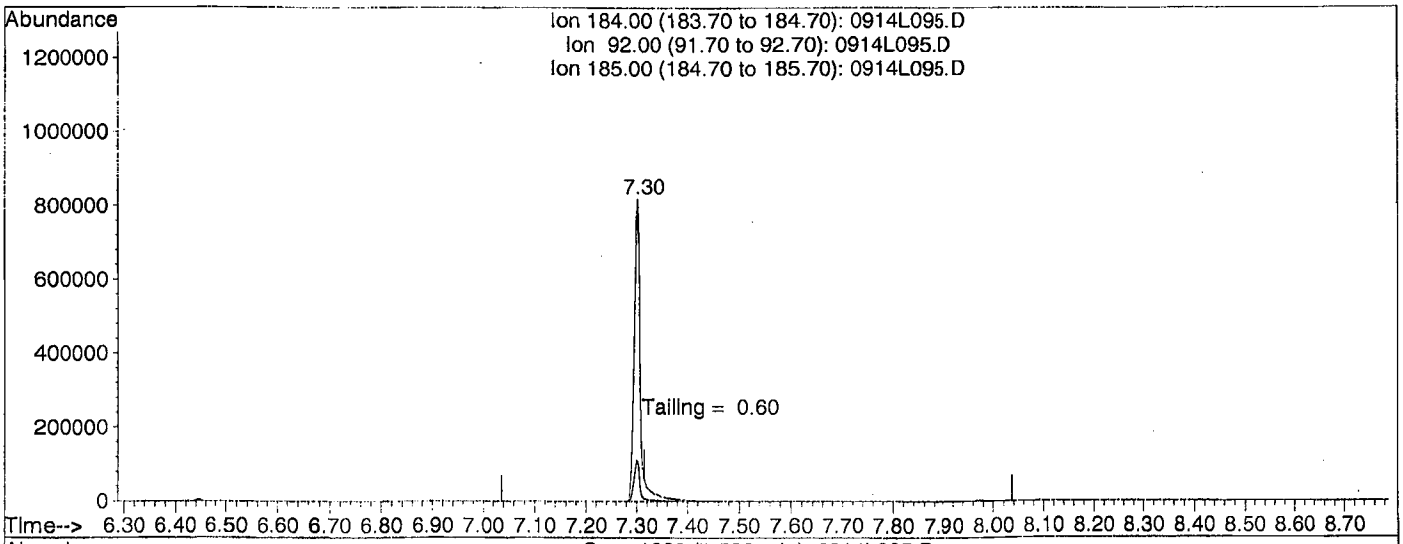
response 0

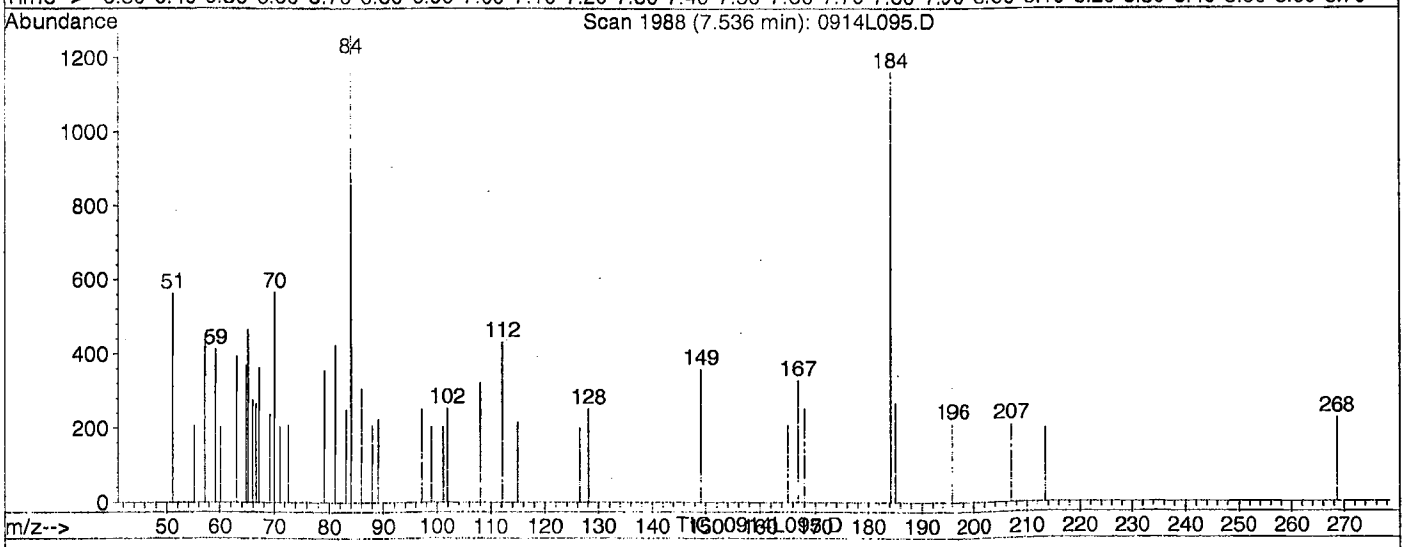
Ion	Exp%	Act%
266.00	100	0.00
264.00	60.60	0.00#
268.00	65.30	0.00#
0.00	0.00	0.00

Quantitation Report

Data File : M:\LINUS\DATA\L210914\0914L095.D Vial: 95
Acq On : 18 Sep 21 12:41 Operator: LS
Sample : SV TUNE 7/2/21 Inst : Linus
Misc : Multiplr: 1.00
Quant Time: Sep 20 8:12 2021 Quant Results File: temp.res

Method : M:\LINUS\DATA\L210914\DFTPP2.M (Chemstation Integrator)
Title :
Last Update : Thu Sep 09 15:45:54 2021
Response via : Single Level Calibration





(6) Benzidine

7.54min 0.0000

response 0

Ion	Exp%	Act%
184.00	100	0.00
92.00	7.20	0.00#
185.00	13.60	0.00#
0.00	0.00	0.00

Name of Final Standard	**SIM Curve**	**Prep'd By (Initials)**	**LS**
Prep Date	**9/9/2021**		
Exp Date	**6/17/2022**		

Initial Standard Information						Final Standard Information			
Name of Initial Standard (from container Label)	Supplier	Supplier P/N# (or APPL Mix Name)	Conc. (range)	Lot # with QA # (or reference to APPL prep date)	Exp Date	Aliquot from Stock	Final Volume	Final Solvent + Lot# (or APPL Prep Date)	Final Standard Conc (range)
1.0 ug/mL SIM	APPL	1.0 ug/mL SIM	1.0 ug/mL	**9/9/2021**	**6/17/2022**	10 uL	100uL	**MC 61117 90uL**	0.1 ug/mL
SIM Internal Standard	APPL	SIM Internal Standard	125 ug/mL	**6/17/2021**	**6/17/2022**	2 uL	*	*	2.5ug/mL
1.0 ug/mL SIM	APPL	1.0 ug/mL SIM	1.0 ug/mL	**9/9/2021**	**6/17/2022**	20 uL	100uL	**MC 61117 80uL**	0.2 ug/mL
SIM Internal Standard	APPL	SIM Internal Standard	125 ug/mL	**6/17/2021**	**6/17/2022**	2 uL	*	*	2.5ug/mL
5.0 ug/mL SIM	APPL	5.0 ug/mL SIM	5.0 ug/mL	**9/9/2021**	**6/17/2022**	10 uL	100uL	**MC 61117 90uL**	0.5 ug/mL
SIM Internal Standard	APPL	SIM Internal Standard	125 ug/mL	**6/17/2021**	**6/17/2022**	2 uL	*	*	2.5ug/mL
5.0 ug/mL SIM	APPL	5.0 ug/mL SIM	5.0 ug/mL	**9/9/2021**	**6/17/2022**	20 uL	100uL	**MC 61117 80 uL**	1.0 ug/mL
SIM Internal Standard	APPL	SIM Internal Standard	125 ug/mL	**6/17/2021**	**6/17/2022**	2 uL	*	*	2.5ug/mL
SIM STOCK	APPL	SIM STOCK	200 ug/mL	**6/17/2021**	**6/17/2022**	5 uL	200uL	**MC 61117 190 uL**	5.0 ug/mL
SIM SURROGATE	APPL	SIM SURR	100 ug/mL	**6/17/2021**	**6/17/2022**	5 uL	*	*	2.5ug/mL
SIM Internal Standard	APPL	SIM Internal Standard	125 ug/mL	**6/17/2021**	**6/17/2022**	4 uL	*	*	2.5ug/mL
SIM STOCK	APPL	SIM STOCK	200 ug/mL	6/17/2021	6/17/2022	5 uL	100 uL	**MC 61117 90 uL**	10 ug/mL
SIM SURROGATE	APPL	SIM SURR	100 ug/mL	6/17/2021	6/17/2022	5 uL	*	*	5 ug/mL
SIM Internal Standard	APPL	SIM Internal Standard	125 ug/mL	6/17/2021	6/17/2022	2 uL	*	*	2.5ug/mL
SIM STOCK	APPL	SIM STOCK	200 ug/mL	**6/17/2021**	**6/17/2022**	25 uL	100uL	**MC 61117 50 uL**	50 ug/mL
SIM SURROGATE	APPL	SIM SURR	100 ug/mL	**6/17/2021**	**6/17/2022**	25 uL	*	*	25 ug/mL
SIM Internal Standard	APPL	SIM Internal Standard	125 ug/mL	**6/17/2021**	**6/17/2022**	2 uL	*	*	2.5ug/mL
SIM STOCK	APPL	SIM STOCK	200 ug/mL	**6/17/2021**	**6/17/2022**	50 uL	100uL	**na**	100 ug/mL
SIM SURROGATE	APPL	SIM SURR	100 ug/mL	**6/17/2021**	**6/17/2022**	50 uL	*	*	50 ug/mL
SIM Internal Standard	APPL	SIM Internal Standard	125 ug/mL	**6/17/2021**	**6/17/2022**	2 uL	*	*	2.5ug/mL

Name of Final Standard	**8270 PAH SIM Second Source**	**Prep'd By (Initials)**	**LS**
Prep Date	**9/9/2021**		
Exp Date	**6/17/2022**		

Initial Standard Information						Final Standard Information			
Name of Initial Standard (from container Label)	Supplier	Supplier P/N# (or APPL Mix Name)	Conc. (range)	Lot # with QA # (or reference to APPL prep date)	Exp Date	Aliquot from Stock	Final Volume	Final Solvent + Lot# (or APPL Prep Date)	Final Standard Conc (range)
PAH SIM SS Stock	Phenova	AL0-130490	200 ug/mL	**6/17/2021**	**6/17/2022**	5 uL	200uL	**MC 61117 195uL**	5 ug/mL
SIM Internal Standard	APPL	SIM Internal Standard	125 ug/mL	**6/17/2021**	**6/17/2022**	4 uL	*	*	2.5ug/mL

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

Prep'd By (Initials) LS

Initial Standard Information						Final Standard Information			
Name of Initial Standard (from contianer Label)	Supplier	Supplier P/N# (or APPL Mix Name)	Conc.(range)	Lot # with QA # (or reference to APPL prep date)	Exp Date	Aliquot from Stock	Final Volume	Final Solvent + Lot# (or APPL Prep Date)	Final Standard Conc (range)
SV Internal Standard	Restek	31206	2000 ug/mL	**A0162879-50593**	**6/30/2026**	625uL	10mL	**MC 60338**	125 ug/mL

Name of Final Standard	**SIM SS Stock (Ampule second source)**	**Prep'd By**	LS
Prep Date	**6/17/2021**		
Exp Date	**6/17/2022**		

Initial Standard Information						Final Standard Information			
Name of Initial Standard (from contianer Label)	Supplier	Supplier P/N# (or APPL Mix Name)	Conc.(range)	Lot # with QA # (or reference to APPL prep date)	Exp Date	Aliquot from Stock	Final Volume	Final Solvent + Lot# (or APPL Prep Date)	Final Standard Conc (range)
Custom PAH SIM Mix	Phenova	ALO-130490	200 ug/mL	**CL13117-51757**	**12/31/2022**	1000 uL	1mL	**NA**	200 ug/mL

Name of Final Standard	**PAH SIM Stock (Ampule)**	**Prep'd By (Initials)**	**LS**
Prep Date	**6/17/2021**		
Exp Date	**6/17/2022**		

Initial Standard Information						Final Standard Information			
Name of Initial Standard (from contianer Label)	Supplier	Supplier P/N# (or APPL Mix Name)	Conc.(range)	Lot # with QA # (or reference to APPL prep date)	Exp Date	Aliquot from Stock	Final Volume	Final Solvent + Lot# (or APPL Prep Date)	Final Standard Conc (range)
Custom PAH SIM Mix	Phenova	ALO-130490	200 ug/mL	**CL13121-52443**	**12/31/2022**	1000 uL	1mL	**NA**	200 ug/mL

Name of Final Standard	SIM Surrogate	Prep'd By (Initials)	LS
Prep Date	6/17/2021		
Exp Date	6/17/2022		

Initial Standard Information						Final Standard Information			
Name of Initial Standard (from contianer Label)	Supplier	Supplier P/N# (or APPL Mix Name)	Conc.(range)	Lot # with QA # (or reference to APPL prep date)	Exp Date	Aliquot from Stock	Final Volume	Final Solvent + Lot# (or APPL Prep Date)	Final Standard Conc (range)
Sim Surrogate Deuterated	Restek	33913	2000 ug/mL	A0161454-50793	5/31/2026	1 mL	20 mL	Acetone #0246130	100 ug/mL

Organic Extraction Worksheet

Method	Continuous Liquid/Liquid SVOC 3520C	Extraction Set	210914A	Extraction Method	LIQ003	Units	mL

Spiked ID 1	Sim Spike 08/05/21-05/28/22		Surrogate ID 1	SIM Surrogate 08/24/21-08/24/22	
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:	09/14/21 14:00	
Spiked ID 8			Ext. End Time:	09/15/21 10:05	
			GC Requires Extract By:		

pH1	14	09/14/21 14:10	Water Bath Temp 1 °C	75, 74.5 °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	210914A Blk				0.050	1 equip	1000	1	14	09/14/21 14:00	
2	210914A LCS-1		0.125	1	0.050	1 equip	1000	1	14	09/14/21 14:00	
3	210914A LCSD-1		0.125	1	0.050	1 equip	1000	1	14	09/14/21 14:00	
4	BA40209	BA40209W06			0.050	1 equip	950	1	14	09/14/21 14:00	97466
5	BA40211	BA40211W06			0.050	1 equip	870	1	14	09/14/21 14:00	97466
6	BA40213	BA40213W06			0.050	1 equip	880	1	14	09/14/21 14:00	97466
7	BA40215	BA40215W06			0.050	1 equip	850	1	14	09/14/21 14:00	97466
8	BA40216	BA40216W06			0.050	1 equip	870	1	14	09/14/21 14:00	97466

Solvent and Lot#	
PH Strips	HC155968
Dichloromethane (DCM)	61117
10N NaOH (10mLs)	09/07/21
Filter Paper	400181
Na2SO4	17B155209

Extraction COC Transfer	
Extraction lab employee Initials	
GC analyst's initials	CW
Date	09/17/21
Time	1015
Refrigerator	GC_C

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

Modified	9/16/2021 7:48:00 AM

Reviewed By: **Date**

Injection Log

Directory: M:\LINUS\DATA\L210914\

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	1	0914L001.D	1	SV TUNE 7/2/21		14 Sep 21 11:50
2	2	0914L002.D	1	0.1 SIM 09/09/21		14 Sep 21 12:06
3	3	0914L003.D	1	0.2 SIM 09/09/21		14 Sep 21 12:28
4	4	0914L004.D	1	0.5 SIM 09/09/21		14 Sep 21 12:50
5	5	0914L005.D	1	1 SIM 09/09/21		14 Sep 21 13:13
6	6	0914L006.D	1	5 SIM 09/09/21		14 Sep 21 13:35
7	7	0914L007.D	1	10 SIM 09/09/21		14 Sep 21 13:57
8	8	0914L008.D	1	50 SIM 09/09/21		14 Sep 21 14:19
9	9	0914L009.D	1	100 SIM 09/09/21		14 Sep 21 14:41
10	10	0914L010.D	1	SS SIM 09/09/21		14 Sep 21 15:03
11	95	0914L095.D	1	SV TUNE 7/2/21		18 Sep 21 12:41
12	96	0914L096.D	1	5 SIM 09/09/21 (4)		18 Sep 21 12:57
13	97	0914L097.D	1	210914A BLK 1/1000		18 Sep 21 13:19
14	98	0914L098.D	1	210914A LCS-1 1/1000		18 Sep 21 13:41
15	99	0914L099.D	1	210914A LCSD-1 1/1000		18 Sep 21 14:04
16	100	0914L100.D	1.05263	BA40209W06 1/950		18 Sep 21 14:26
17	1	0914L101.D	1.14943	BA40211W06 1/870		18 Sep 21 14:48
18	2	0914L102.D	1.13636	BA40213W06 1/880		18 Sep 21 15:10
19	3	0914L103.D	1.17647	BA40215W06 1/850		18 Sep 21 15:32
20	4	0914L104.D	1.14943	BA40216W06 1/870		18 Sep 21 15:55
21	5	0914L105.D	1	5 SIM 09/09/21 (2)		18 Sep 21 16:17

ORGANICS
Calibration Data

VOLATILE ORGANIC ANALYSIS
VOLATILE ORGANIC COMPOUNDS

Form 6
Initial Calibration

Lab Name: APPL, Inc. SDG No:
Case No: Initial Cal. Date: 9/15/2021
Matrix: Instrument: Loki Initials:

		Compound	1	2	3	4	5	6	7	8	9		Avg	%RSD	Type	r^2	Q	MRF
			0915L14.D	0915L15.D	0915L16.D	0915L17.D	0915L18.D	0915L19.D	0915L20.D	0915L21.D	0915L22.D							
1	I	Fluorobenzene (IS)																
2	TMC	Dichlorodifluoromethane		0.1132	0.1243	0.1240	0.0963	0.1160	0.1037	0.1119	0.1089		0.11	8.5	TMC			
3	TM	Freon 114		0.0951	0.1024	0.1161	0.0885	0.1039	0.1005	0.0997	0.0970		0.10	7.9	TM			
4	TMC**L	Chloromethane		0.2157	0.1547	0.1383	0.1343	0.1303	0.1165	0.1166	0.1096		0.14	24	TMC**	0.998		
5	TMC*	Vinyl chloride		0.1184	0.0929	0.0967	0.0914	0.1031	0.0912	0.0964	0.0963		0.10	9.1	TMC*			
6	TMCL	Bromomethane		0.1729	0.1088	0.1028	0.0940	0.0810	0.0524	0.0618	0.0517		0.09	44	TMC	0.993		
7	TMCQ	Chloroethane		0.1114	0.0904	0.0780	0.0678	0.0683	0.0562	0.0571	0.0322		0.07	34	TMC	0.997		
8	TM	Dichlorofluoromethane		0.2204	0.1844	0.1835	0.1659	0.1659	0.1459	0.1510	0.1465		0.17	15	TM			
9	TMCL	Trichlorofluoromethane		0.1385	0.1103	0.1167	0.0881	0.1008	0.0900	0.0932	0.0935		0.10	17	TMC	1.000		
10	TM	Acrolein		0.0102	0.0093	0.0073	0.0089	0.0079	0.0082	0.0080	0.0081		0.01	11	TM			
11	TMCL	Acetone	0.0309	0.0246	0.0223	0.0225	0.0214	0.0211	0.0196	0.0185	0.0210		0.02	16	TMC	0.990		
12	TMC	Freon-113		0.0946	0.1114	0.0938	0.0851	0.0903	0.0831	0.0850	0.0846		0.09	10	TMC			
13	TMC*L	1,1-DCE		0.1579	0.1359	0.1194	0.1125	0.1172	0.1036	0.1043	0.1059		0.12	16	TMC*	1.000		
14	TMQ	t-Butanol													TM		*	
15	TM	Acetonitrile		0.0106	0.0114	0.0119	0.0117	0.0105	0.0110	0.0097	0.0107		0.01	6.6	TM			
16	TMC	Methyl Acetate		0.0781	0.0713	0.0680	0.0630	0.0589	0.0597	0.0610	0.0544		0.06	12	TMC			
17	TMQ	Iodomethane		0.0551	0.0375	0.0328	0.0311	0.0402	0.0401	0.0511	0.0681		0.04	28	TM	1.000		
18	TML	Acrylonitrile			0.0241	0.0199	0.0325	0.0302	0.0314	0.0334	0.0351		0.03	19	TM	1.000		
19	TMCL	Methylene chloride		0.2083	0.1772	0.1458	0.1394	0.1392	0.1213	0.1200	0.1003		0.14	24	TMC	0.994		
20	TMCL	Carbon disulfide		0.2031	0.1846	0.1778	0.1439	0.1453	0.1302	0.1320	0.1326		0.16	18	TMC	1.000		
21	TMCQ	Methyl t-butyl ether (MtBE)		0.0353	0.0347	0.0354	0.0444	0.0406	0.0492	0.0376	0.0600		0.04	21	TMC	0.997		
22	TMCL	Trans-1,2-DCE		0.1774	0.1208	0.1294	0.1183	0.1260	0.1120	0.1165	0.1191		0.13	16	TMC	1.000		
23	TM	Diisopropyl Ether		0.2443	0.2014	0.1782	0.1908	0.1895	0.1870	0.2112	0.2309		0.20	11	TM			
24	TMC**	1,1-DCA		0.2291	0.2014	0.1853	0.1774	0.1743	0.1604	0.1652	0.1604		0.18	13	TMC**			
25	TML	Vinyl Acetate		0.0629	0.0539	0.0405	0.0401	0.0393	0.0369	0.0395	0.0401		0.04	21	TM	1.000		
26	TML	Ethyl tert Butyl Ether													TM		*	
27	TMC	MEK (2-Butanone)	0.0323	0.0309	0.0301	0.0284	0.0296	0.0304	0.0291	0.0316	0.0335		0.03	5.3	TMC			
28	TMC	Cis-1,2-DCE		0.1697	0.1308	0.1429	0.1338	0.1349	0.1275	0.1312	0.1383		0.14	9.7	TMC			
29	TML	2,2-Dichloropropane		0.1944	0.1468	0.1456	0.1197	0.1245	0.1152	0.1135	0.1151		0.13	21	TM	1.000		
30	TMC*	Chloroform		0.2802	0.2385	0.2196	0.2040	0.2129	0.1914	0.1934	0.1910		0.22	14	TMC*			
31	TM	Bromochloromethane		0.1013	0.1025	0.1101	0.1055	0.1089	0.0935	0.1000	0.0939		0.10	6.1	TM			
32	S	Dibromofluoromethane(S)	0.3623	0.3528	0.3024	0.2821	0.2965	0.2928	0.2811	0.2806	0.2622		0.30	11	S			
33	TMC	1,1,1-TCA		0.2323	0.2002	0.1793	0.1646	0.1768	0.1546	0.1627	0.1609		0.18	14	TMC			
34	TMC	Cyclohexane		0.0849	0.0939	0.1000	0.0857	0.1019	0.1027	0.1148	0.1276		0.10	14	TMC			
35	TM	1,1-Dichloropropene		0.1404	0.1133	0.1128	0.1006	0.1173	0.1108	0.1166	0.1263		0.12	10	TM			

VOLATILE ORGANIC ANALYSIS
VOLATILE ORGANIC COMPOUNDS

Form 6
Initial Calibration

Lab Name: APPL, Inc. SDG No:
Case No: Initial Cal. Date: 9/15/2021
Matrix: Instrument: Loki Initials:

		Compound	1	2	3	4	5	6	7	8	9		Avg	%RSD	Type		Q	MRF
36	TM	2,2,4-Trimethylpentane		0.0772	0.0846	0.0825	0.0698	0.0815	0.0853	0.0889	0.0991		0.08	10	TM			
37	S	1,2-DCA-D4(S)	0.3193	0.3189	0.2534	0.2600	0.2669	0.2595	0.2462	0.2440	0.2246		0.27	12	S			
38	TMC	Carbon Tetrachloride		0.1958	0.1457	0.1751	0.1496	0.1630	0.1472	0.1462	0.1464		0.16	12	TMC			
39	TM	Tert Amyl Methyl Ether													TM			
40	TMC	1,2-DCA		0.1840	0.1596	0.1518	0.1357	0.1461	0.1290	0.1333	0.1306		0.15	13	TMC			
41	TMC	Benzene		0.6006	0.4358	0.4254	0.4160	0.4320	0.4022	0.4201	0.4288		0.45	14	TMC			
42	TMC	TCE		0.1874	0.1499	0.1441	0.1368	0.1395	0.1351	0.1353	0.1382		0.15	12	TMC			
43	TM	2-Pentanone		0.0432	0.0433	0.0465	0.0462	0.0495	0.0499	0.0514	0.0565		0.05	9.3	TM			
44	TMC*	1,2-Dichloropropane		0.1225	0.1234	0.1156	0.1158	0.1119	0.1057	0.1111	0.1108		0.11	5.3	TMC*			
45	TMC	Bromodichloromethane		0.1963	0.1638	0.1651	0.1578	0.1679	0.1463	0.1503	0.1519		0.16	9.7	TMC			
46	TMC	Methyl Cyclohexane		0.0617	0.0658	0.0646	0.0554	0.0650	0.0629	0.0719	0.0824		0.07	12	TMC			
47	TML	Dibromomethane		0.0647	0.1327	0.1218	0.1211	0.1290	0.1176	0.1189	0.1189		0.12	18	TM	1.000		
48	TMQ	2-Chloroethyl vinyl ether													TM		*	
49	TMC	MIBK (methyl isobutyl ketone	0.0559	0.0579	0.0535	0.0585	0.0603	0.0606	0.0570	0.0615	0.0696		0.06	7.6	TMC			
50	TM	1-Bromo-2-chloroethane		0.0900	0.1052	0.0845	0.0862	0.0840	0.0759	0.0796	0.0797		0.09	11	TM			
51	TMC	Cis-1,3-Dichloropropene		0.1668	0.1487	0.1464	0.1493	0.1518	0.1399	0.1544	0.1651		0.15	6.0	TMC			
52	TMC*	Toluene		0.5459	0.4748	0.4356	0.4937	0.5081	0.4862	0.5059	0.5145		0.50	6.5	TMC*			
53	TMC	Trans-1,3-Dichloropropene		0.0744	0.0735	0.0742	0.0733	0.0748	0.0741	0.0823	0.0906		0.08	8.0	TMC			
54	TMC	1,1,2-TCA		0.1493	0.1397	0.1315	0.1291	0.1341	0.1206	0.1226	0.1228		0.13	7.4	TMC			
55	TMCQ	2-Hexanone	0.0277	0.0272	0.0288	0.0335	0.0308	0.0360	0.0324	0.0377	0.0437		0.03	16	TMC	0.995		
56	I	Chlorobenzene-D5 (IS)																
57	S	Toluene-D8(S)	1.108	1.179	1.000	1.009	1.140	1.181	1.200	1.205	1.150		1.1	6.8	S			
58	TMC	1,2-EDB		0.1408	0.1548	0.1491	0.1514	0.1590	0.1441	0.1506	0.1547		0.15	3.9	TMC			
59	TMCL	Tetrachloroethene		0.1746	0.1184	0.1262	0.1106	0.1204	0.1100	0.1133	0.1119		0.12	17	TMC	1.000		
60	TM	1-Chlorohexane		0.1098	0.1082	0.1410	0.1182	0.1244	0.1246	0.1387	0.1566		0.13	13	TM			
61	TM	1,1,1,2-Tetrachloroethane		0.1722	0.1690	0.1758	0.1736	0.1690	0.1594	0.1657	0.1686		0.17	3.0	TM			
62	TMCL	m&p-Xylene		0.3844	0.3148	0.2769	0.3534	0.4112	0.4308	0.4906	0.5274		0.40	21	TMC	0.999		
63	TMCL	o-Xylene		0.4059	0.3095	0.3462	0.3714	0.4108	0.4227	0.4748	0.5353		0.41	17	TMC	0.997		
64	TMCL	Styrene		0.2425	0.2279	0.2690	0.2741	0.3171	0.3515	0.4133	0.4660		0.32	26	TMC	0.997		
65	S	4-Bromofluorobenzene(S)	0.4350	0.4536	0.3427	0.3319	0.4007	0.4410	0.4750	0.4979	0.4927		0.43	14	S			
66	TM	1,3-Dichloropropane		0.2022	0.2132	0.2165	0.2042	0.2108	0.1980	0.2125	0.2149		0.21	3.2	TM			
67	TMC	Dibromochloromethane		0.1779	0.1811	0.1877	0.1792	0.1843	0.1665	0.1694	0.1751		0.18	4.0	TMC			
68	TMC**	Chlorobenzene		0.5673	0.4562	0.4274	0.4270	0.4541	0.4241	0.4423	0.4515		0.46	10	TMC**			
69	TMC*	Ethylbenzene		0.3599	0.2750	0.2604	0.2828	0.3130	0.3164	0.3490	0.3842		0.32	14	TMC*			
70	TMC**	Bromoform		0.1414	0.1296	0.1460	0.1419	0.1430	0.1309	0.1360	0.1445		0.14	4.5	TMC**			

VOLATILE ORGANIC ANALYSIS
VOLATILE ORGANIC COMPOUNDS

Form 6
Initial Calibration

Lab Name: APPL, Inc. SDG No:
Case No: Initial Cal. Date: 9/15/2021
Matrix: Instrument: Loki Initials:

		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		1.063	0.7812	0.7598	0.7311	0.7623	0.7537	0.8245	0.9236		0.82	14	TMC			
73	TMC**	1,1,2,2-Tetrachloroethane		0.3325	0.3855	0.3497	0.3255	0.3147	0.2742	0.2664	0.2777		0.32	13	TMC**			
74	TM	1,2,3-Trichloropropane		0.1114	0.1220	0.1177	0.1022	0.1014	0.0908	0.0892	0.0899		0.10	12	TM			
75	TML	t-1,4-Dichloro-2-Butene				0.0284	0.0034	0.0322	0.0285	0.0286	0.0343		0.03	43	TM	0.995		
76	TM	Bromobenzene		0.4348	0.3173	0.3165	0.3312	0.3203	0.2921	0.3017	0.3027		0.33	14	TM			
77	TM	n-Propylbenzene		1.124	0.8971	0.8213	0.8313	0.9081	0.9025	0.9854	1.082		0.94	12	TM			
78	TM	4-Ethyltoluene		0.8132	0.6773	0.6700	0.6943	0.7573	0.8063	0.9005	0.9815		0.79	14	TM			
79	TM	2-Chlorotoluene		0.8020	0.6353	0.6137	0.7012	0.7143	0.7029	0.7414	0.7662		0.71	8.8	TM			
80	TM	1,3,5-Trimethylbenzene		0.7741	0.6342	0.5928	0.6583	0.7102	0.7340	0.8021	0.8441		0.72	12	TM			
81	TM	4-Chlorotoluene		0.8020	0.6818	0.6810	0.6807	0.7453	0.7511	0.7745	0.7895		0.74	6.9	TM			
82	TM	Tert-Butylbenzene		0.6246	0.6739	0.5752	0.5520	0.5904	0.5774	0.6495	0.7369		0.62	9.9	TM			
83	TML	1,2,4-Trimethylbenzene		0.7322	0.5577	0.5858	0.5912	0.6611	0.7077	0.7923	0.8620		0.69	16	TM	0.998		
84	TM	Sec-Butylbenzene		0.9430	0.7188	0.7123	0.7333	0.8116	0.8135	0.9297	1.022		0.84	14	TM			
85	TML	p-Isopropyltoluene		0.7488	0.5873	0.6058	0.6189	0.7100	0.7293	0.8265	0.9451		0.72	17	TM	0.997		
86	TML	Benzyl Chloride		0.1601	0.1070	0.1322	0.1079	0.1158	0.1029	0.1155	0.1453		0.12	17	TM	0.992		
87	TMC	1,3-DCB		0.6959	0.6404	0.6051	0.5943	0.5973	0.5658	0.5812	0.5943		0.61	6.7	TMC			
88	TMC	1,4-DCB		0.7394	0.6928	0.6724	0.6288	0.6472	0.5886	0.6098	0.6177		0.65	7.6	TMC			
89	TM	n-Butylbenzene		0.6055	0.5362	0.5215	0.4739	0.5465	0.5336	0.6204	0.7123		0.57	13	TM			
90	TMC	1,2-DCB		0.7006	0.5666	0.6109	0.5620	0.5962	0.5535	0.5868	0.6192		0.60	7.9	TMC			
91	TML	Hexachloroethane		0.2843	0.2292	0.2044	0.1805	0.1779	0.1565	0.1606	0.1634		0.19	22	TM	1.000		
92	TMCL	1,2-Dibromo-3-chloropropane		0.0063	0.0548	0.0685	0.0625	0.0642	0.0573	0.0618	0.0700		0.06	37	TMC	0.997		
93	TMCL	1,2,4-Trichlorobenzene		0.1633	0.1771	0.1489	0.1448	0.1805	0.1508	0.1935	0.2287		0.17	16	TMC	0.994		
94	TML	Hexachlorobutadiene		0.1777	0.1192	0.1294	0.1117	0.1054	0.0933	0.1031	0.1152		0.12	22	TM	0.997		
95	TMQ	Naphthalene		0.3588	0.3052	0.3707	0.3438	0.4434	0.4593	0.5972	0.8138		0.46	37	TM	1.000		
96	TML	1,2,3-Trichlorobenzene		0.1479	0.1578	0.1431	0.1270	0.1486	0.1513	0.1704	0.2135		0.16	16	TM	0.992		
97																		
98																		
99																		
100																		
101																		
102																		
103																		
104																		
105																		

VOLATILE ORGANIC ANALYSIS
VOLATILE ORGANIC COMPOUNDS

Form 6
Initial Calibration

Lab Name: APPL, Inc. SDG No: _____
Case No: _____ Initial Cal. Date: 9/15/2021
Matrix: _____ Instrument: Loki Initials: _____

		Compound	1	2	3	4	5	6	7	8	9		Avg	%RSD	Type		Q	MRF
106																		
107																		
108																		
109																		
110																		
111																		
112																		
113																		
114																		
115																		
116																		
117																		
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130																		
131																		
132																		
133																		
134																		
135																		
136																		
137																		
138																		
139																		
140																		

Data File : M:\LOKI\DATA\210915\0915L14.D Vial: 4
Acq On : 15 Sep 21 17:21 Operator:
Sample : 0.3ug/L VOC STD 9/15/21 Inst : Loki
Misc : IS&S: 9/1/21 Multiplr: 1.00

Quant Time: Sep 24 6:08 2021 Quant Results File: L0915W.RES

Quant Method : M:\LOKI\DATA\210915\L0915W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Sep 21 11:31:19 2021
Response via : Initial Calibration
DataAcq Meth : 072021_L8260

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene (IS)	6.31	96	357734	25.00	ppb		0.00
56) Chlorobenzene-D5 (IS)	9.78	117	310874	25.00	ppb		0.00
71) 1,4-Dichlorobenzene-D4 (IS	12.34	152	157960	25.00	ppb		0.00
System Monitoring Compounds							
32) Dibromofluoromethane(S)	5.46	113	25924	6.01	ppb		0.00
Spiked Amount 25.000			Recovery	=	24.040%		
37) 1,2-DCA-D4(S)	5.88	65	22846	6.01	ppb		0.00
Spiked Amount 25.000			Recovery	=	24.020%		
57) Toluene-D8(S)	8.18	98	68918	4.90	ppb		0.00
Spiked Amount 25.000			Recovery	=	19.616%		
65) 4-Bromofluorobenzene(S)	11.08	174	27046	5.06	ppb		0.00
Spiked Amount 25.000			Recovery	=	20.228%		
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.08	85	376	0.23	ppb		83
3) Freon 114	1.18	85	360	0.25	ppb		97
4) Chloromethane	1.22	50	1005	0.12	ppb		95
5) Vinyl chloride	1.31	62	404	0.29	ppb	#	70
6) Bromomethane	1.57	96	679	-2.12	ppb	#	73
7) Chloroethane	1.66	64	1026	0.98	ppb		94
8) Dichlorofluoromethane	1.85	67	687	0.28	ppb	#	43
9) Trichlorofluoromethane	1.89	101	493	0.24	ppb		75
10) Acrolein	2.29	56	1230	10.13	ppb		98
11) Acetone	2.46	43	2214	5.03	ppb		90
12) Freon-113	2.40	101	322	0.25	ppb	#	53
15) Acetonitrile	2.75	41	1812	11.59	ppb	#	75
16) Methyl Acetate	2.84	43	201	0.22	ppb	#	39
17) Iodomethane	2.52	142	252	0.90	ppb	#	38
19) Methylene chloride	2.93	84	774	-1.97	ppb		97
22) Trans-1,2-DCE	3.28	61	564	0.39	ppb	#	60
23) Diisopropyl Ether	4.08	45	710	0.24	ppb	#	38
24) 1,1-DCA	3.88	63	736	0.28	ppb	#	65
25) Vinyl Acetate	4.10	43	319	0.72	ppb	#	95
27) MEK (2-Butanone)	4.87	43	2313	5.27	ppb		91
28) Cis-1,2-DCE	4.77	61	533	0.27	ppb		83
30) Chloroform	5.25	83	895	0.29	ppb	#	70
31) Bromochloromethane	5.10	130	392	0.27	ppb		78
33) 1,1,1-TCA	5.46	97	664	0.26	ppb		95
34) Cyclohexane	5.50	56	239	0.16	ppb	#	49
35) 1,1-Dichloropropene	5.69	75	438	0.26	ppb	#	40
36) 2,2,4-Trimethylpentane	6.08	57	289	0.24	ppb	#	79
38) Carbon Tetrachloride	5.66	119	442	0.19	ppb	#	68
40) 1,2-DCA	5.98	62	487	0.23	ppb	#	58
41) Benzene	5.94	78	1769	0.28	ppb	#	61
42) TCE	6.77	130	561	0.27	ppb	#	78
43) 2-Pentanone	7.05	43	6123	8.86	ppb		96
44) 1,2-Dichloropropane	7.03	63	428	0.26	ppb	#	31
45) Bromodichloromethane	7.37	83	628	0.27	ppb		80
47) Dibromomethane	7.16	174	544	0.21	ppb		83
49) MIBK (methyl isobutyl ket	8.11	43	4001	4.71	ppb		95
50) 1-Bromo-2-chloroethane	7.70	63	442	0.36	ppb		97
51) Cis-1,3-Dichloropropene	7.89	75	625	0.29	ppb	#	86
52) Toluene	8.25	91	1759	0.25	ppb		99
53) Trans-1,3-Dichloropropene	8.53	75	289	0.26	ppb	#	39

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

Data File : M:\LOKI\DATA\210915\0915L14.D Vial: 4
Acq On : 15 Sep 21 17:21 Operator:
Sample : 0.3ug/L VOC STD 9/15/21 Inst : Loki
Misc : IS&S: 9/1/21 Multiplr: 1.00

Quant Time: Sep 24 6:08 2021 Quant Results File: L0915W.RES

Quant Method : M:\LOKI\DATA\210915\L0915W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Sep 21 11:31:19 2021
Response via : Initial Calibration
DataAcq Meth : 072021_L8260

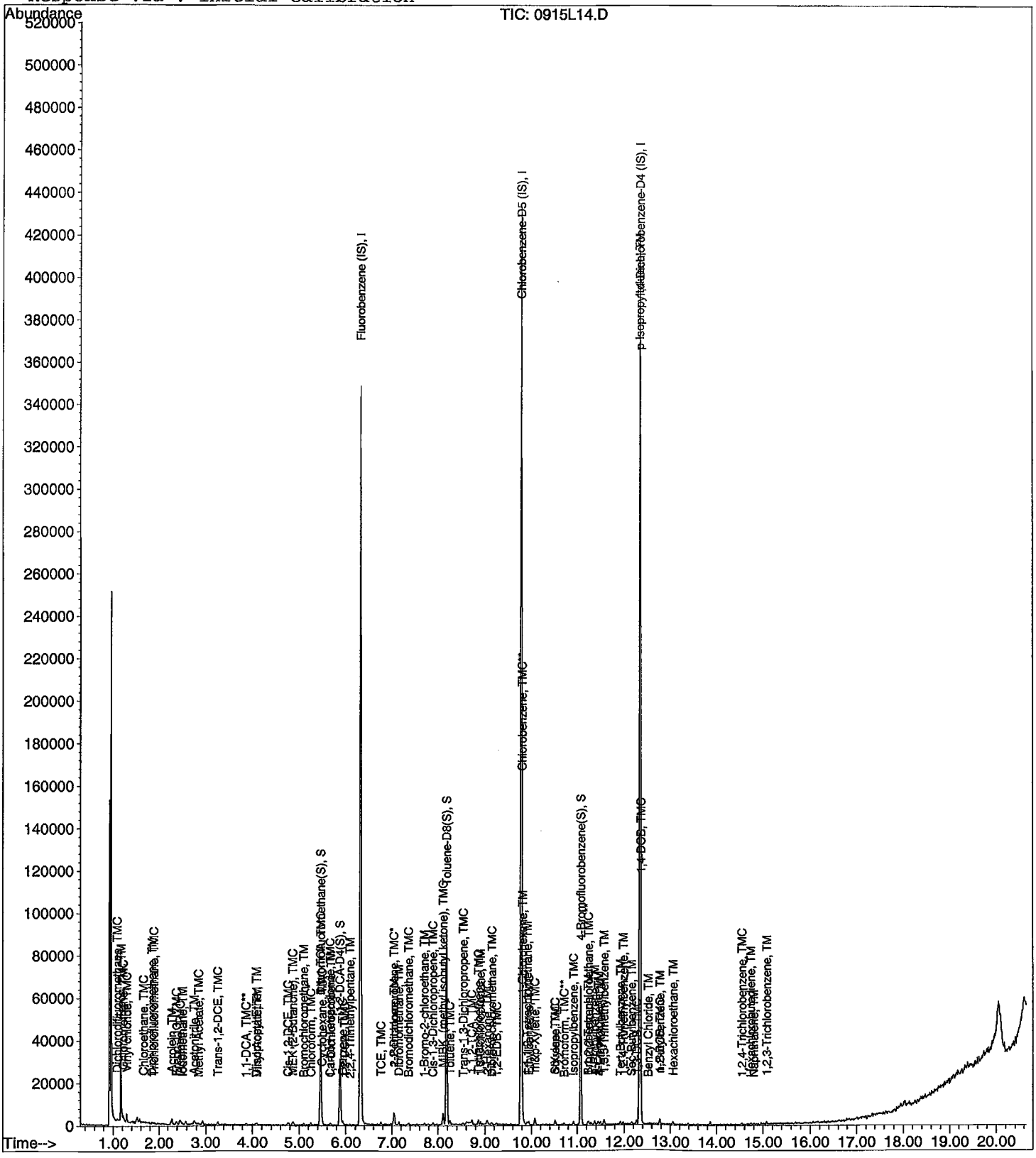
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
54)	1,1,2-TCA	8.72	97	491	0.26	ppb	#	63
55)	2-Hexanone	9.04	43	1979	3.27	ppb	#	82
58)	1,2-EDB	9.26	107	523	0.28	ppb		96
59)	Tetrachloroethene	8.86	166	439	0.10	ppb		90
60)	1-Chlorohexane	9.82	91	332	0.21	ppb		94
61)	1,1,1,2-Tetrachloroethane	9.91	131	610	0.29	ppb	#	50
62)	m&p-Xylene	10.08	91	2366	3.62	ppb		90
63)	o-Xylene	10.51	91	1078	1.92	ppb		95
64)	Styrene	10.52	104	706	2.26	ppb		92
66)	1,3-Dichloropropane	8.90	76	673	0.26	ppb	#	74
67)	Dibromochloromethane	9.15	129	374	0.17	ppb		84
68)	Chlorobenzene	9.81	112	1712	0.30	ppb	#	79
69)	Ethylbenzene	9.95	91	1006	0.25	ppb	#	76
70)	Bromoform	10.71	173	523	0.30	ppb		89
72)	Isopropylbenzene	10.92	105	1413	0.27	ppb	#	76
73)	1,1,2,2-Tetrachloroethane	11.25	83	703	0.35	ppb	#	65
76)	Bromobenzene	11.23	158	608	0.29	ppb		72
77)	n-Propylbenzene	11.37	91	1534	0.26	ppb		89
78)	4-Ethyltoluene	11.50	105	1009	0.20	ppb	#	82
79)	2-Chlorotoluene	11.45	91	1114	0.25	ppb		97
80)	1,3,5-Trimethylbenzene	11.57	105	970	0.21	ppb		98
81)	4-Chlorotoluene	11.45	91	1114	0.24	ppb		87
82)	Tert-Butylbenzene	11.92	119	1006	0.26	ppb		84
83)	1,2,4-Trimethylbenzene	11.97	105	780	1.69	ppb		96
84)	Sec-Butylbenzene	12.16	105	1139	0.22	ppb		89
85)	p-Isopropyltoluene	12.33	119	1103	2.08	ppb	#	78
86)	Benzyl Chloride	12.52	91	63	2.10	ppb	#	53
87)	1,3-DCB	12.27	146	966	0.25	ppb	#	78
88)	1,4-DCB	12.37	146	1039	0.25	ppb		84
89)	n-Butylbenzene	12.78	91	728	0.20	ppb		87
90)	1,2-DCB	12.77	146	1002	0.26	ppb	#	87
91)	Hexachloroethane	13.06	117	459	0.15	ppb	#	41
93)	1,2,4-Trichlorobenzene	14.54	180	348	2.45	ppb	#	56
94)	Hexachlorobutadiene	14.73	225	197	1.16	ppb	#	20
95)	Naphthalene	14.81	128	482	0.86	ppb	#	80
96)	1,2,3-Trichlorobenzene	15.08	182	350	2.68	ppb	#	65

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

Data File : M:\LOKI\DATA\210915\0915L14.D Vial: 4
Acq On : 15 Sep 21 17:21 Operator:
Sample : 0.3ug/L VOC STD 9/15/21 Inst : Loki
Misc : IS&S: 9/1/21 Multiplr: 1.00

Quant Time: Sep 24 6:08 2021 Quant Results File: L0915W.RES

Method : M:\LOKI\DATA\210915\L0915W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Sep 21 11:31:19 2021
Response via : Initial Calibration



Data File : M:\LOKI\DATA\210915\0915L15.D Vial: 5
Acq On : 15 Sep 21 17:49 Operator:
Sample : 0.5ug/L VOC STD 9/15/21 Inst : Loki
Misc : IS&S: 9/1/21 Multiplr: 1.00

Quant Time: Sep 24 6:08 2021 Quant Results File: L0915W.RES

Quant Method : M:\LOKI\DATA\210915\L0915W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Sep 21 11:31:19 2021
Response via : Initial Calibration
DataAcq Meth : 072021_L8260

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene (IS)	6.31	96	365748	25.00	ppb		0.00
56) Chlorobenzene-D5 (IS)	9.78	117	314990	25.00	ppb		0.00
71) 1,4-Dichlorobenzene-D4 (IS	12.34	152	159857	25.00	ppb		0.00
System Monitoring Compounds							
32) Dibromofluoromethane(S)	5.46	113	25809	5.85	ppb		0.00
Spiked Amount 25.000			Recovery = 23.412%				
37) 1,2-DCA-D4(S)	5.88	65	23328	6.00	ppb		0.00
Spiked Amount 25.000			Recovery = 23.992%				
57) Toluene-D8(S)	8.18	98	74244	5.21	ppb		0.00
Spiked Amount 25.000			Recovery = 20.856%				
65) 4-Bromofluorobenzene(S)	11.08	174	28579	5.27	ppb		0.00
Spiked Amount 25.000			Recovery = 21.096%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.08	85	828	0.50	ppb		93
3) Freon 114	1.18	85	696	0.47	ppb		90
4) Chloromethane	1.22	50	1578	0.46	ppb		89
5) Vinyl chloride	1.31	62	866	0.60	ppb	#	77
6) Bromomethane	1.57	96	1265	-1.35	ppb		96
7) Chloroethane	1.66	64	815	0.75	ppb		94
8) Dichlorofluoromethane	1.85	67	1612	0.65	ppb		91
9) Trichlorofluoromethane	1.89	101	1013	0.61	ppb		83
10) Acrolein	2.29	56	3744	30.15	ppb		95
11) Acetone	2.46	43	3594	9.70	ppb		86
12) Freon-113	2.40	101	692	0.52	ppb		94
13) 1,1-DCE	2.37	61	1155	0.48	ppb	#	82
15) Acetonitrile	2.76	41	3881	24.28	ppb		99
16) Methyl Acetate	2.84	43	571	0.61	ppb		93
17) Iodomethane	2.52	142	403	1.16	ppb	#	38
19) Methylene chloride	2.93	84	1524	-1.47	ppb	#	84
20) Carbon disulfide	2.58	76	1486	0.36	ppb	#	91
21) Methyl t-butyl ether (MtBE	3.32	73	258	-1.37	ppb	#	59
22) Trans-1,2-DCE	3.27	61	1298	0.81	ppb	#	88
23) Diisopropyl Ether	4.09	45	1787	0.60	ppb		90
24) 1,1-DCA	3.88	63	1676	0.63	ppb	#	65
25) Vinyl Acetate	4.08	43	460	0.95	ppb	#	95
27) MEK (2-Butanone)	4.87	43	4525	10.09	ppb		96
28) Cis-1,2-DCE	4.77	61	1241	0.61	ppb	#	69
29) 2,2-Dichloropropane	4.75	77	1422	0.51	ppb		94
30) Chloroform	5.25	83	2050	0.65	ppb		97
31) Bromochloromethane	5.10	130	741	0.50	ppb		81
33) 1,1,1-TCA	5.45	97	1699	0.65	ppb		83
34) Cyclohexane	5.51	56	621	0.42	ppb		85
35) 1,1-Dichloropropene	5.68	75	1027	0.60	ppb	#	86
36) 2,2,4-Trimethylpentane	6.08	57	565	0.46	ppb	#	82
38) Carbon Tetrachloride	5.66	119	1432	0.62	ppb		88
40) 1,2-DCA	5.98	62	1346	0.63	ppb		100
41) Benzene	5.93	78	4393	0.67	ppb	#	79
42) TCE	6.77	130	1371	0.64	ppb		85
43) 2-Pentanone	7.05	43	15805	22.36	ppb		93
44) 1,2-Dichloropropane	7.02	63	896	0.53	ppb		92
45) Bromodichloromethane	7.36	83	1436	0.60	ppb		92
46) Methyl Cyclohexane	6.97	98	451	0.47	ppb	#	66
47) Dibromomethane	7.15	174	473	0.16	ppb		94

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

Data File : M:\LOKI\DATA\210915\0915L15.D Vial: 5
Acq On : 15 Sep 21 17:49 Operator:
Sample : 0.5ug/L VOC STD 9/15/21 Inst : Loki
Misc : IS&S: 9/1/21 Multiplr: 1.00

Quant Time: Sep 24 6:08 2021 Quant Results File: L0915W.RES

Quant Method : M:\LOKI\DATA\210915\L0915W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Sep 21 11:31:19 2021
Response via : Initial Calibration
DataAcq Meth : 072021_L8260

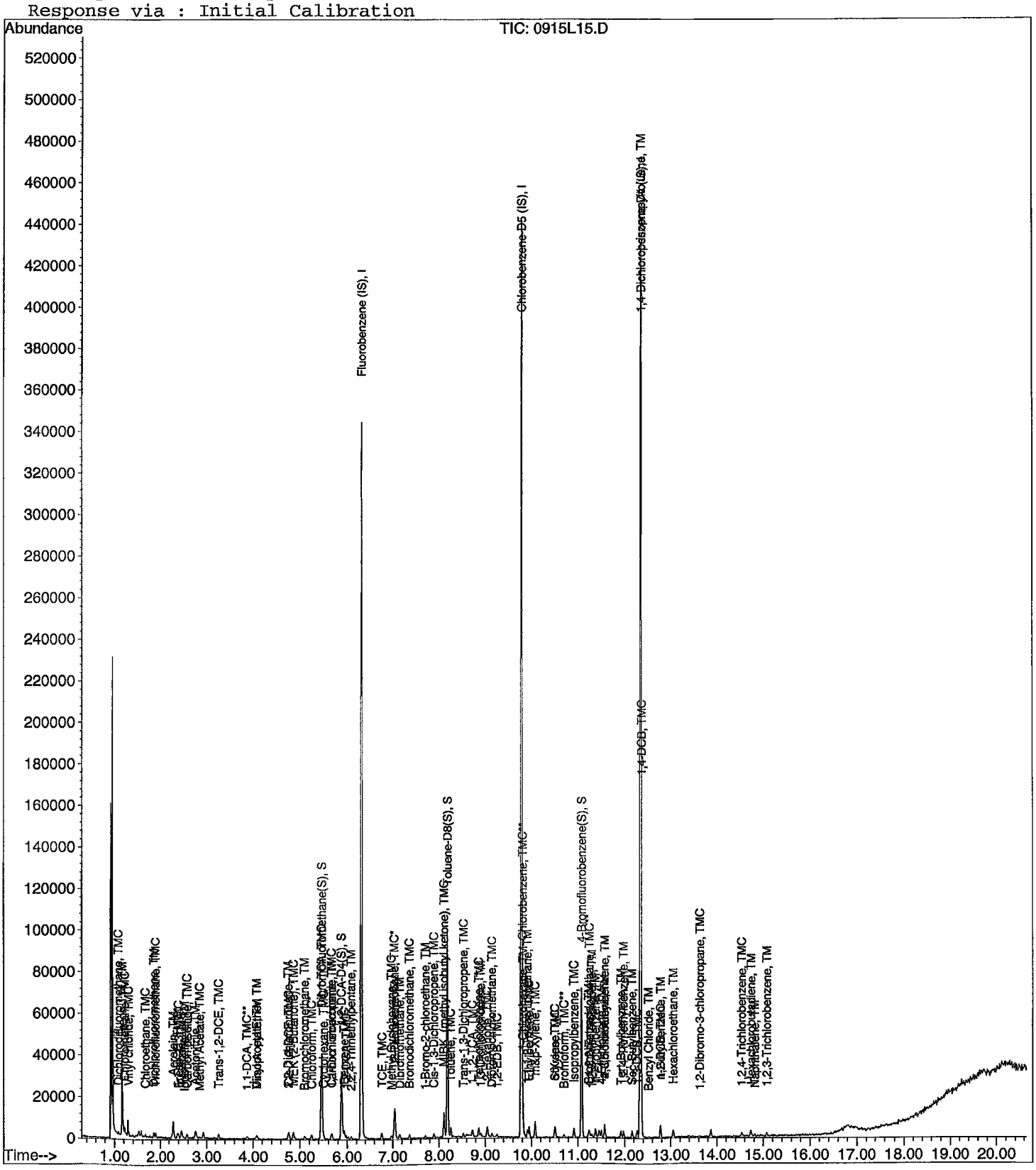
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
49)	MIBK (methyl isobutyl ket	8.11	43	8465	9.74	ppb		98
50)	1-Bromo-2-chloroethane	7.70	63	658	0.53	ppb	#	66
51)	Cis-1,3-Dichloropropene	7.89	75	1220	0.55	ppb		98
52)	Toluene	8.25	91	3993	0.55	ppb		98
53)	Trans-1,3-Dichloropropene	8.53	75	544	0.48	ppb	#	92
54)	1,1,2-TCA	8.72	97	1092	0.57	ppb		93
55)	2-Hexanone	9.05	43	3976	8.90	ppb		92
58)	1,2-EDB	9.26	107	887	0.47	ppb		89
59)	Tetrachloroethene	8.86	166	1100	0.57	ppb		77
60)	1-Chlorohexane	9.82	91	692	0.43	ppb		88
61)	1,1,1,2-Tetrachloroethane	9.91	131	1085	0.51	ppb		82
62)	m&p-Xylene	10.08	91	4843	3.99	ppb		97
63)	o-Xylene	10.51	91	2557	2.13	ppb		84
64)	Styrene	10.52	104	1528	2.39	ppb		81
66)	1,3-Dichloropropane	8.90	76	1274	0.48	ppb		93
67)	Dibromochloromethane	9.14	129	1121	0.50	ppb		94
68)	Chlorobenzene	9.81	112	3574	0.62	ppb		94
69)	Ethylbenzene	9.95	91	2267	0.57	ppb		88
70)	Bromoform	10.71	173	891	0.51	ppb		78
72)	Isopropylbenzene	10.92	105	3399	0.64	ppb		99
73)	1,1,2,2-Tetrachloroethane	11.25	83	1063	0.53	ppb		86
74)	1,2,3-Trichloropropane	11.30	110	356	0.54	ppb	#	15
76)	Bromobenzene	11.23	158	1390	0.66	ppb		93
77)	n-Propylbenzene	11.37	91	3595	0.60	ppb		95
78)	4-Ethyltoluene	11.50	105	2600	0.52	ppb		90
79)	2-Chlorotoluene	11.58	91	2564	0.57	ppb		96
80)	1,3,5-Trimethylbenzene	11.57	105	2475	0.54	ppb		97
81)	4-Chlorotoluene	11.58	91	2564	0.54	ppb		94
82)	Tert-Butylbenzene	11.92	119	1997	0.50	ppb		90
83)	1,2,4-Trimethylbenzene	11.97	105	2341	1.97	ppb		86
84)	Sec-Butylbenzene	12.16	105	3015	0.56	ppb		98
85)	p-Isopropyltoluene	12.33	119	2394	2.29	ppb		92
86)	Benzyl Chloride	12.52	91	512	2.59	ppb	#	53
87)	1,3-DCB	12.27	146	2225	0.57	ppb		89
88)	1,4-DCB	12.37	146	2364	0.57	ppb	#	89
89)	n-Butylbenzene	12.78	91	1936	0.53	ppb		97
90)	1,2-DCB	12.78	146	2240	0.58	ppb		93
91)	Hexachloroethane	13.05	117	909	0.58	ppb		95
92)	1,2-Dibromo-3-chloropropan	13.62	157	20	1.24	ppb	#	18
93)	1,2,4-Trichlorobenzene	14.54	180	522	2.57	ppb		97
94)	Hexachlorobutadiene	14.74	225	568	1.66	ppb	#	58
95)	Naphthalene	14.82	128	1147	1.09	ppb	#	80
96)	1,2,3-Trichlorobenzene	15.07	182	473	2.77	ppb		86

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

Data File : M:\LOKI\DATA\210915\0915L15.D Vial: 5
Acq On : 15 Sep 21 17:49 Operator:
Sample : 0.5ug/L VOC STD 9/15/21 Inst : Loki
Misc : IS&S: 9/1/21 Multiplr: 1.00

Quant Time: Sep 24 6:08 2021 Quant Results File: L0915W.RES

Method : M:\LOKI\DATA\210915\L0915W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Sep 21 11:31:19 2021
Response via : Initial Calibration



Data File : M:\LOKI\DATA\210915\0915L16.D Vial: 6
Acq On : 15 Sep 21 18:16 Operator:
Sample : 1ug/L VOC STD 9/15/21 Inst : Loki
Misc : IS&S: 9/1/21 Multiplr: 1.00

Quant Time: Sep 24 6:08 2021 Quant Results File: L0915W.RES

Quant Method : M:\LOKI\DATA\210915\L0915W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Sep 21 11:31:19 2021
Response via : Initial Calibration
DataAcq Meth : 072021_L8260

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene (IS)	6.31	96	368986	25.00	ppb		0.00
56) Chlorobenzene-D5 (IS)	9.78	117	324836	25.00	ppb		0.00
71) 1,4-Dichlorobenzene-D4 (IS	12.34	152	167979	25.00	ppb		0.00
System Monitoring Compounds							
32) Dibromofluoromethane(S)	5.46	113	44637	10.03	ppb		0.00
Spiked Amount 25.000			Recovery = 40.132%				
37) 1,2-DCA-D4(S)	5.88	65	37397	9.53	ppb		0.00
Spiked Amount 25.000			Recovery = 38.120%				
57) Toluene-D8(S)	8.18	98	129971	8.85	ppb		0.00
Spiked Amount 25.000			Recovery = 35.400%				
65) 4-Bromofluorobenzene(S)	11.08	174	44526	7.97	ppb		0.00
Spiked Amount 25.000			Recovery = 31.872%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.08	85	1834	1.11	ppb		88
3) Freon 114	1.18	85	1512	1.02	ppb		83
4) Chloromethane	1.22	50	2283	0.88	ppb		94
5) Vinyl chloride	1.31	62	1371	0.94	ppb		92
6) Bromomethane	1.57	96	1606	-0.92	ppb		89
7) Chloroethane	1.66	64	1334	1.25	ppb	#	74
8) Dichlorofluoromethane	1.85	67	2721	1.08	ppb		95
9) Trichlorofluoromethane	1.89	101	1628	1.05	ppb		96
10) Acrolein	2.29	56	6845	54.65	ppb		100
11) Acetone	2.46	43	6591	20.04	ppb		95
12) Freon-113	2.40	101	1644	1.22	ppb	#	78
13) 1,1-DCE	2.38	61	2006	1.02	ppb		96
15) Acetonitrile	2.76	41	8415	52.18	ppb		93
16) Methyl Acetate	2.84	43	1053	1.11	ppb		94
17) Iodomethane	2.52	142	554	1.41	ppb		85
18) Acrylonitrile	3.26	53	355	1.81	ppb	#	80
19) Methylene chloride	2.92	84	2615	-0.74	ppb	#	88
20) Carbon disulfide	2.58	76	2725	0.99	ppb	#	92
21) Methyl t-butyl ether (MtBE	3.33	73	512	-0.75	ppb	#	57
22) Trans-1,2-DCE	3.27	61	1783	1.08	ppb		90
23) Diisopropyl Ether	4.08	45	2972	0.99	ppb	#	81
24) 1,1-DCA	3.88	63	2973	1.11	ppb		98
25) Vinyl Acetate	4.09	43	795	1.51	ppb	#	95
27) MEK (2-Butanone)	4.86	43	8895	19.66	ppb		99
28) Cis-1,2-DCE	4.77	61	1931	0.94	ppb		92
29) 2,2-Dichloropropane	4.75	77	2167	0.94	ppb		100
30) Chloroform	5.25	83	3520	1.10	ppb		84
31) Bromochloromethane	5.10	130	1513	1.01	ppb		96
33) 1,1,1-TCA	5.45	97	2955	1.12	ppb		99
34) Cyclohexane	5.50	56	1386	0.93	ppb	#	81
35) 1,1-Dichloropropene	5.67	75	1672	0.97	ppb	#	78
36) 2,2,4-Trimethylpentane	6.08	57	1248	1.01	ppb		98
38) Carbon Tetrachloride	5.66	119	2150	0.92	ppb	#	67
40) 1,2-DCA	5.98	62	2355	1.09	ppb	#	81
41) Benzene	5.94	78	6432	0.98	ppb		99
42) TCE	6.76	130	2212	1.03	ppb		79
43) 2-Pentanone	7.04	43	31926	44.77	ppb		96
44) 1,2-Dichloropropane	7.02	63	1821	1.08	ppb		90
45) Bromodichloromethane	7.36	83	2418	1.01	ppb		90
46) Methyl Cyclohexane	6.97	98	971	0.99	ppb		89

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

Data File : M:\LOKI\DATA\210915\0915L16.D Vial: 6
Acq On : 15 Sep 21 18:16 Operator:
Sample : 1ug/L VOC STD 9/15/21 Inst : Loki
Misc : IS&S: 9/1/21 Multiplr: 1.00

Quant Time: Sep 24 6:08 2021 Quant Results File: L0915W.RES

Quant Method : M:\LOKI\DATA\210915\L0915W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Sep 21 11:31:19 2021
Response via : Initial Calibration
DataAcq Meth : 072021_L8260

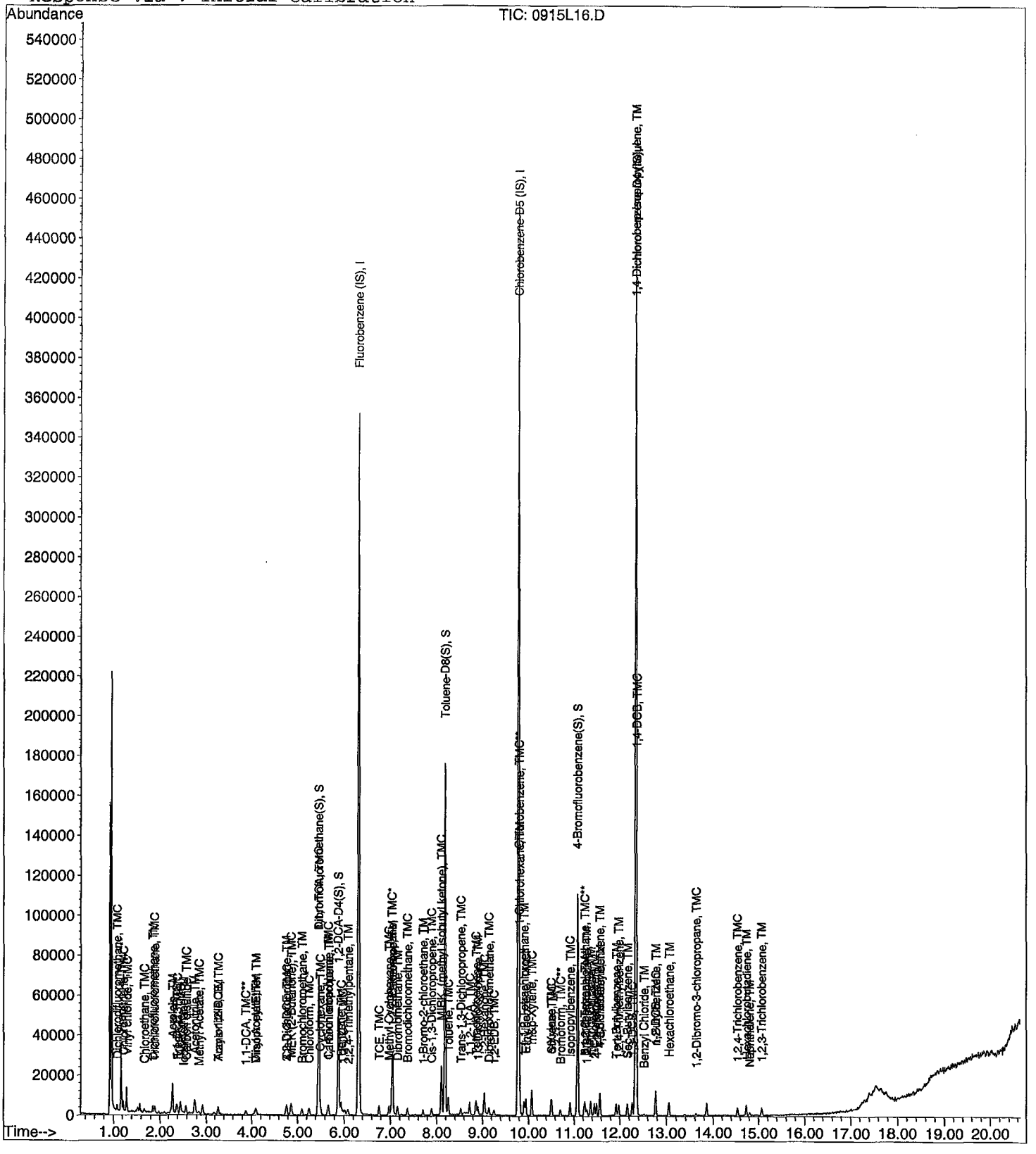
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
47)	Dibromomethane	7.15	174	1958	1.01	ppb		86
49)	MIBK (methyl isobutyl ket	8.11	43	15799	18.01	ppb		98
50)	1-Bromo-2-chloroethane	7.70	63	1552	1.23	ppb		95
51)	Cis-1,3-Dichloropropene	7.89	75	2195	0.97	ppb		88
52)	Toluene	8.25	91	7008	0.96	ppb		86
53)	Trans-1,3-Dichloropropene	8.53	75	1085	0.95	ppb	#	90
54)	1,1,2-TCA	8.72	97	2062	1.06	ppb		93
55)	2-Hexanone	9.05	43	8496	20.05	ppb		88
58)	1,2-EDB	9.25	107	2011	1.03	ppb		94
59)	Tetrachloroethene	8.86	166	1538	0.85	ppb		98
60)	1-Chlorohexane	9.81	91	1406	0.85	ppb	#	76
61)	1,1,1,2-Tetrachloroethane	9.91	131	2196	1.00	ppb		93
62)	m&p-Xylene	10.08	91	8180	4.45	ppb		98
63)	o-Xylene	10.51	91	4021	2.33	ppb		82
64)	Styrene	10.52	104	2961	2.62	ppb		90
66)	1,3-Dichloropropane	8.90	76	2770	1.02	ppb		94
67)	Dibromochloromethane	9.14	129	2353	1.02	ppb		90
68)	Chlorobenzene	9.81	112	5927	1.00	ppb		94
69)	Ethylbenzene	9.95	91	3573	0.87	ppb		95
70)	Bromoform	10.71	173	1684	0.93	ppb		86
72)	Isopropylbenzene	10.92	105	5249	0.95	ppb		99
73)	1,1,2,2-Tetrachloroethane	11.25	83	2590	1.22	ppb		90
74)	1,2,3-Trichloropropane	11.29	110	820	1.18	ppb		86
76)	Bromobenzene	11.24	158	2132	0.97	ppb		87
77)	n-Propylbenzene	11.37	91	6028	0.95	ppb		99
78)	4-Ethyltoluene	11.50	105	4551	0.86	ppb		86
79)	2-Chlorotoluene	11.45	91	4269	0.90	ppb		94
80)	1,3,5-Trimethylbenzene	11.57	105	4261	0.88	ppb		98
81)	4-Chlorotoluene	11.57	91	4581	0.92	ppb		86
82)	Tert-Butylbenzene	11.92	119	4528	1.08	ppb		96
83)	1,2,4-Trimethylbenzene	11.97	105	3747	2.19	ppb		98
84)	Sec-Butylbenzene	12.16	105	4830	0.86	ppb		90
85)	p-Isopropyltoluene	12.33	119	3946	2.51	ppb		92
86)	Benzyl Chloride	12.52	91	719	2.77	ppb	#	53
87)	1,3-DCB	12.27	146	4303	1.05	ppb		92
88)	1,4-DCB	12.37	146	4655	1.07	ppb		98
89)	n-Butylbenzene	12.77	91	3603	0.94	ppb		94
90)	1,2-DCB	12.78	146	3807	0.95	ppb		88
91)	Hexachloroethane	13.05	117	1540	1.11	ppb	#	50
92)	1,2-Dibromo-3-chloropropan	13.63	157	368	1.98	ppb		99
93)	1,2,4-Trichlorobenzene	14.54	180	1190	2.99	ppb		79
94)	Hexachlorobutadiene	14.73	225	801	1.93	ppb	#	85
95)	Naphthalene	14.81	128	2051	1.37	ppb	#	80
96)	1,2,3-Trichlorobenzene	15.07	182	1060	3.16	ppb		97

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

Data File : M:\LOKI\DATA\210915\0915L16.D Vial: 6
Acq On : 15 Sep 21 18:16 Operator:
Sample : 1ug/L VOC STD 9/15/21 Inst : Loki
Misc : IS&S: 9/1/21 Multiplr: 1.00

Quant Time: Sep 24 6:08 2021 Quant Results File: L0915W.RES

Method : M:\LOKI\DATA\210915\L0915W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Sep 21 11:31:19 2021
Response via : Initial Calibration



Data File : M:\LOKI\DATA\210915\0915L17.D Vial: 7
Acq On : 15 Sep 21 18:44 Operator:
Sample : 2ug/L VOC STD 9/15/21 Inst : Loki
Misc : IS&S: 9/1/21 Multiplr: 1.00

Quant Time: Sep 24 6:08 2021 Quant Results File: L0915W.RES

Quant Method : M:\LOKI\DATA\210915\L0915W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Sep 21 11:31:19 2021
Response via : Initial Calibration
DataAcq Meth : 072021_L8260

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene (IS)	6.31	96	365017	25.00	ppb		0.00
56) Chlorobenzene-D5 (IS)	9.78	117	317817	25.00	ppb		0.00
71) 1,4-Dichlorobenzene-D4 (IS	12.34	152	174015	25.00	ppb		0.00
System Monitoring Compounds							
32) Dibromofluoromethane(S)	5.46	113	41185	9.36	ppb		0.00
Spiked Amount 25.000			Recovery	=	37.432%		
37) 1,2-DCA-D4(S)	5.88	65	37964	9.78	ppb		0.00
Spiked Amount 25.000			Recovery	=	39.120%		
57) Toluene-D8(S)	8.18	98	128304	8.93	ppb		0.00
Spiked Amount 25.000			Recovery	=	35.720%		
65) 4-Bromofluorobenzene(S)	11.08	174	42196	7.72	ppb		0.00
Spiked Amount 25.000			Recovery	=	30.872%		
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.08	85	3621	2.21	ppb		95
3) Freon 114	1.18	85	3390	2.31	ppb		88
4) Chloromethane	1.22	50	4039	1.96	ppb		96
5) Vinyl chloride	1.31	62	2824	1.97	ppb		95
6) Bromomethane	1.57	96	3002	0.98	ppb		94
7) Chloroethane	1.66	64	2277	2.20	ppb	#	88
8) Dichlorofluoromethane	1.85	67	5359	2.15	ppb		92
9) Trichlorofluoromethane	1.89	101	3408	2.37	ppb		85
10) Acrolein	2.29	56	8043	64.91	ppb		93
11) Acetone	2.47	43	9872	31.84	ppb		90
12) Freon-113	2.40	101	2738	2.06	ppb		93
13) 1,1-DCE	2.38	61	3488	2.00	ppb		93
15) Acetonitrile	2.78	41	13014	81.57	ppb		99
16) Methyl Acetate	2.84	43	1987	2.12	ppb		88
17) Iodomethane	2.52	142	959	2.13	ppb		90
18) Acrylonitrile	3.27	53	582	2.26	ppb		87
19) Methylene chloride	2.93	84	4258	0.40	ppb		97
20) Carbon disulfide	2.58	76	5193	2.29	ppb		99
21) Methyl t-butyl ether (MtBE	3.33	73	1035	0.54	ppb	#	59
22) Trans-1,2-DCE	3.27	61	3779	2.24	ppb		89
23) Diisopropyl Ether	4.09	45	5204	1.75	ppb		91
24) 1,1-DCA	3.88	63	5412	2.04	ppb		96
25) Vinyl Acetate	4.09	43	1183	2.19	ppb	#	95
27) MEK (2-Butanone)	4.87	43	12434	27.78	ppb		96
28) Cis-1,2-DCE	4.77	61	4172	2.06	ppb		88
29) 2,2-Dichloropropane	4.76	77	4252	2.21	ppb		96
30) Chloroform	5.25	83	6414	2.03	ppb		95
31) Bromochloromethane	5.11	130	3215	2.16	ppb		89
33) 1,1,1-TCA	5.45	97	5236	2.00	ppb		91
34) Cyclohexane	5.51	56	2919	1.97	ppb		91
35) 1,1-Dichloropropene	5.68	75	3295	1.92	ppb		92
36) 2,2,4-Trimethylpentane	6.08	57	2410	1.97	ppb	#	89
38) Carbon Tetrachloride	5.66	119	5113	2.21	ppb		96
40) 1,2-DCA	5.98	62	4433	2.08	ppb		94
41) Benzene	5.93	78	12421	1.91	ppb		93
42) TCE	6.76	130	4208	1.98	ppb		89
43) 2-Pentanone	7.05	43	50890	72.15	ppb		97
44) 1,2-Dichloropropane	7.02	63	3376	2.02	ppb		83
45) Bromodichloromethane	7.37	83	4820	2.03	ppb		91
46) Methyl Cyclohexane	6.97	98	1885	1.95	ppb	#	75

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

Data File : M:\LOKI\DATA\210915\0915L17.D Vial: 7
Acq On : 15 Sep 21 18:44 Operator:
Sample : 2ug/L VOC STD 9/15/21 Inst : Loki
Misc : IS&S: 9/1/21 Multiplr: 1.00

Quant Time: Sep 24 6:08 2021 Quant Results File: L0915W.RES

Quant Method : M:\LOKI\DATA\210915\L0915W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Sep 21 11:31:19 2021
Response via : Initial Calibration
DataAcq Meth : 072021_L8260

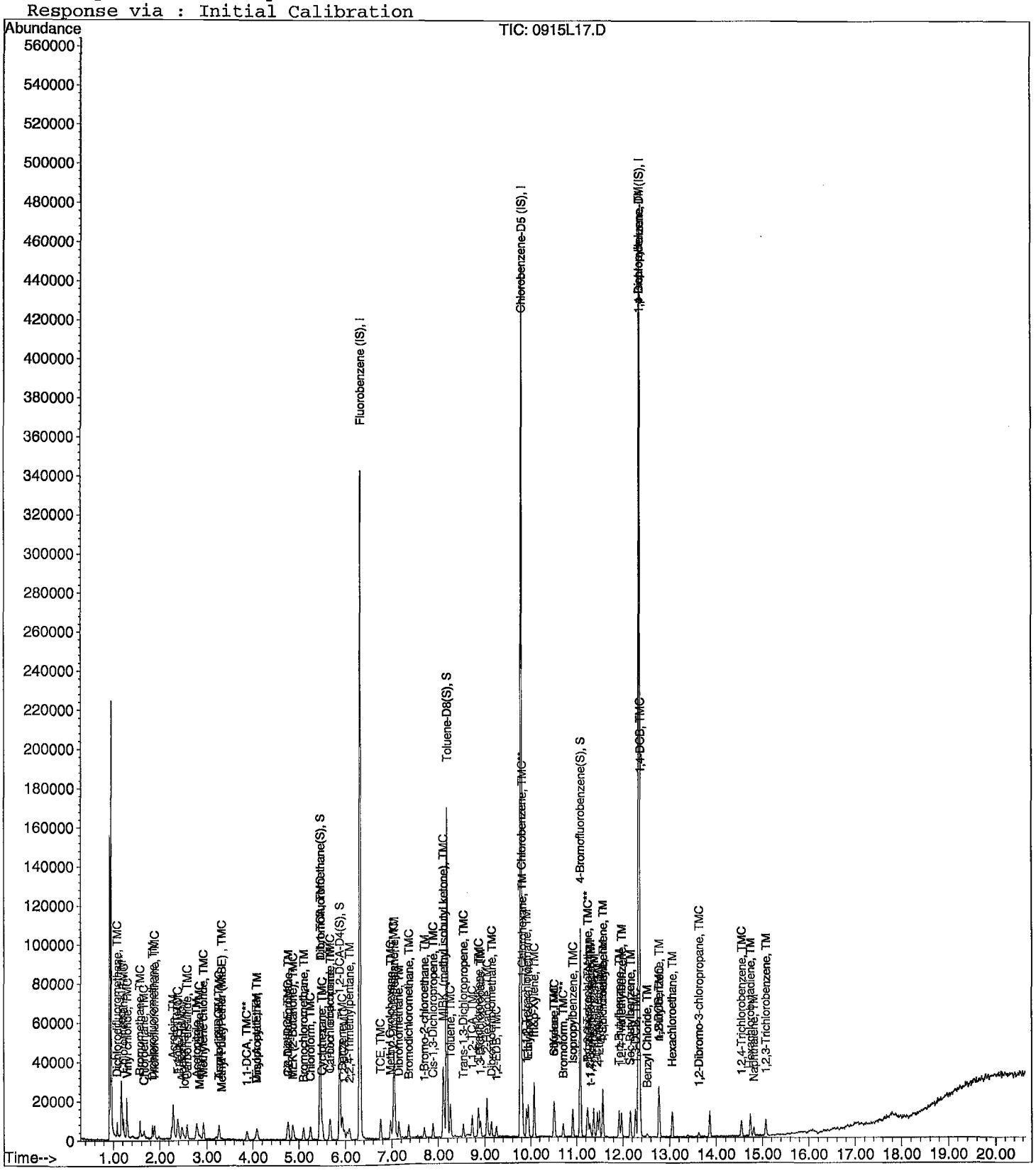
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
47)	Dibromomethane	7.15	174	3556	1.94	ppb		93
49)	MIBK (methyl isobutyl ket	8.11	43	25628	29.54	ppb		96
50)	1-Bromo-2-chloroethane	7.70	63	2468	1.97	ppb		96
51)	Cis-1,3-Dichloropropene	7.89	75	4275	1.92	ppb		96
52)	Toluene	8.25	91	12721	1.76	ppb		95
53)	Trans-1,3-Dichloropropene	8.53	75	2166	1.92	ppb	#	86
54)	1,1,2-TCA	8.72	97	3840	2.00	ppb		90
55)	2-Hexanone	9.05	43	14677	33.30	ppb		99
58)	1,2-EDB	9.25	107	3792	1.98	ppb		98
59)	Tetrachloroethene	8.86	166	3209	2.05	ppb		94
60)	1-Chlorohexane	9.82	91	3585	2.21	ppb		96
61)	1,1,1,2-Tetrachloroethane	9.91	131	4469	2.08	ppb		93
62)	m&p-Xylene	10.08	91	17600	5.88	ppb		97
63)	o-Xylene	10.51	91	8803	3.05	ppb		98
64)	Styrene	10.52	104	6839	3.28	ppb		90
66)	1,3-Dichloropropane	8.90	76	5505	2.07	ppb		95
67)	Dibromochloromethane	9.15	129	4773	2.11	ppb		94
68)	Chlorobenzene	9.81	112	10867	1.87	ppb		93
69)	Ethylbenzene	9.95	91	6620	1.64	ppb		92
70)	Bromoform	10.71	173	3713	2.10	ppb	#	74
72)	Isopropylbenzene	10.92	105	10578	1.84	ppb		99
73)	1,1,2,2-Tetrachloroethane	11.25	83	4868	2.21	ppb		91
74)	1,2,3-Trichloropropane	11.28	110	1638	2.28	ppb		78
75)	t-1,4-Dichloro-2-Butene	11.32	53	396	4.58	ppb		98
76)	Bromobenzene	11.24	158	4406	1.94	ppb		73
77)	n-Propylbenzene	11.37	91	11433	1.74	ppb		96
78)	4-Ethyltoluene	11.50	105	9327	1.70	ppb		92
79)	2-Chlorotoluene	11.45	91	8544	1.73	ppb		94
80)	1,3,5-Trimethylbenzene	11.57	105	8253	1.65	ppb		86
81)	4-Chlorotoluene	11.57	91	9480	1.84	ppb		99
82)	Tert-Butylbenzene	11.92	119	8007	1.85	ppb		97
83)	1,2,4-Trimethylbenzene	11.97	105	8155	2.90	ppb		94
84)	Sec-Butylbenzene	12.16	105	9916	1.70	ppb		97
85)	p-Isopropyltoluene	12.32	119	8434	3.17	ppb		90
86)	Benzyl Chloride	12.51	91	1841	3.87	ppb		100
87)	1,3-DCB	12.27	146	8424	1.99	ppb		95
88)	1,4-DCB	12.37	146	9360	2.07	ppb		94
89)	n-Butylbenzene	12.78	91	7260	1.83	ppb		93
90)	1,2-DCB	12.77	146	8505	2.04	ppb		94
91)	Hexachloroethane	13.05	117	2846	2.22	ppb		89
92)	1,2-Dibromo-3-chloropropan	13.62	157	954	3.16	ppb		95
93)	1,2,4-Trichlorobenzene	14.54	180	2073	3.52	ppb		91
94)	Hexachlorobutadiene	14.74	225	1801	3.15	ppb		91
95)	Naphthalene	14.81	128	5160	2.34	ppb		97
96)	1,2,3-Trichlorobenzene	15.07	182	1992	3.76	ppb		91

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

Data File : M:\LOKI\DATA\210915\0915L17.D Vial: 7
Acq On : 15 Sep 21 18:44 Operator:
Sample : 2ug/L VOC STD 9/15/21 Inst : Loki
Misc : IS&S: 9/1/21 Multiplr: 1.00

Quant Time: Sep 24 6:08 2021 Quant Results File: L0915W.RES

Method : M:\LOKI\DATA\210915\L0915W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Sep 21 11:31:19 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\LOKI\DATA\210915\0915L18.D Vial: 8
Acq On : 15 Sep 21 19:11 Operator:
Sample : 5ug/L VOC STD 9/15/21 Inst : Loki
Misc : IS&S: 9/1/21 Multiplr: 1.00

Quant Time: Sep 24 6:08 2021 Quant Results File: L0915W.RES

Quant Method : M:\LOKI\DATA\210915\L0915W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Sep 21 11:31:19 2021
Response via : Initial Calibration
DataAcq Meth : 072021_L8260

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene (IS)	6.31	96	382375	25.00	ppb		0.00
56) Chlorobenzene-D5 (IS)	9.78	117	337640	25.00	ppb		0.00
71) 1,4-Dichlorobenzene-D4 (IS	12.34	152	200108	25.00	ppb		0.00
System Monitoring Compounds							
32) Dibromofluoromethane(S)	5.46	113	113386	24.59	ppb		0.00
Spiked Amount 25.000			Recovery = 98.376%				
37) 1,2-DCA-D4(S)	5.88	65	102041	25.09	ppb		0.00
Spiked Amount 25.000			Recovery = 100.372%				
57) Toluene-D8(S)	8.18	98	384830	25.21	ppb		0.00
Spiked Amount 25.000			Recovery = 100.844%				
65) 4-Bromofluorobenzene(S)	11.08	174	135298	23.29	ppb		0.00
Spiked Amount 25.000			Recovery = 93.176%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.08	85	7363	4.29	ppb		96
3) Freon 114	1.18	85	6765	4.40	ppb		97
4) Chloromethane	1.22	50	10268	5.48	ppb		96
5) Vinyl chloride	1.31	62	6993	4.65	ppb		97
6) Bromomethane	1.57	96	7190	6.15	ppb		84
7) Chloroethane	1.66	64	5182	4.91	ppb		99
8) Dichlorofluoromethane	1.85	67	12688	4.87	ppb		98
9) Trichlorofluoromethane	1.89	101	6734	4.59	ppb		96
10) Acrolein	2.29	56	13554	104.42	ppb		98
11) Acetone	2.46	43	13076	41.04	ppb		97
12) Freon-113	2.40	101	6510	4.68	ppb	#	80
13) 1,1-DCE	2.38	61	8602	5.07	ppb		95
15) Acetonitrile	2.76	41	17818	106.62	ppb		97
16) Methyl Acetate	2.84	43	4821	4.90	ppb		99
17) Iodomethane	2.52	142	2380	4.36	ppb		98
18) Acrylonitrile	3.26	53	2485	5.74	ppb	#	87
19) Methylene chloride	2.92	84	10659	4.44	ppb		97
20) Carbon disulfide	2.58	76	11003	5.05	ppb		95
21) Methyl t-butyl ether (MtBE	3.32	73	3396	5.58	ppb		93
22) Trans-1,2-DCE	3.27	61	9049	5.04	ppb		92
23) Diisopropyl Ether	4.09	45	14591	4.67	ppb		96
24) 1,1-DCA	3.88	63	13563	4.88	ppb		98
25) Vinyl Acetate	4.08	43	3067	5.17	ppb	#	95
27) MEK (2-Butanone)	4.86	43	18083	38.57	ppb		92
28) Cis-1,2-DCE	4.77	61	10231	4.83	ppb		93
29) 2,2-Dichloropropane	4.76	77	9157	4.89	ppb		94
30) Chloroform	5.25	83	15604	4.71	ppb		97
31) Bromochloromethane	5.10	130	8068	5.17	ppb		93
33) 1,1,1-TCA	5.45	97	12591	4.60	ppb		94
34) Cyclohexane	5.50	56	6555	4.23	ppb		95
35) 1,1-Dichloropropene	5.68	75	7696	4.29	ppb		91
36) 2,2,4-Trimethylpentane	6.08	57	5339	4.17	ppb		99
38) Carbon Tetrachloride	5.66	119	11437	4.71	ppb		90
40) 1,2-DCA	5.97	62	10376	4.64	ppb	#	81
41) Benzene	5.94	78	31814	4.67	ppb		98
42) TCE	6.76	130	10461	4.69	ppb		97
43) 2-Pentanone	7.04	43	70704	95.69	ppb		98
44) 1,2-Dichloropropane	7.02	63	8856	5.05	ppb		97
45) Bromodichloromethane	7.37	83	12066	4.86	ppb		83
46) Methyl Cyclohexane	6.97	98	4234	4.18	ppb		88

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

Data File : M:\LOKI\DATA\210915\0915L18.D Vial: 8
Acq On : 15 Sep 21 19:11 Operator:
Sample : 5ug/L VOC STD 9/15/21 Inst : Loki
Misc : IS&S: 9/1/21 Multiplr: 1.00

Quant Time: Sep 24 6:08 2021 Quant Results File: L0915W.RES

Quant Method : M:\LOKI\DATA\210915\L0915W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Sep 21 11:31:19 2021
Response via : Initial Calibration
DataAcq Meth : 072021_L8260

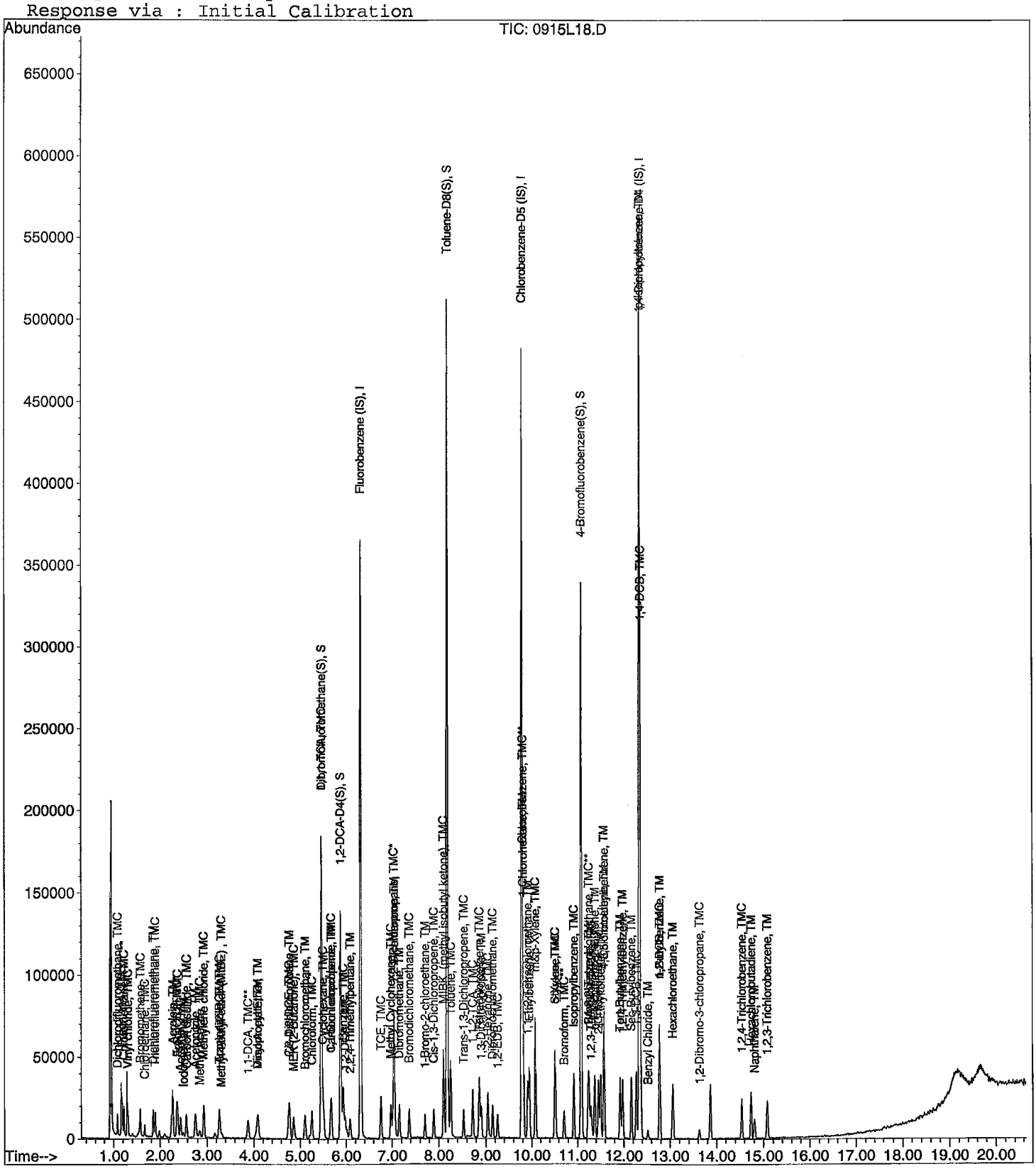
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
47)	Dibromomethane	7.15	174	9264	4.99	ppb		96
49)	MIBK (methyl isobutyl ket	8.11	43	36900	40.60	ppb		98
50)	1-Bromo-2-chloroethane	7.70	63	6592	5.03	ppb		91
51)	Cis-1,3-Dichloropropene	7.89	75	11416	4.89	ppb		96
52)	Toluene	8.25	91	37759	4.98	ppb		99
53)	Trans-1,3-Dichloropropene	8.53	75	5602	4.75	ppb		93
54)	1,1,2-TCA	8.72	97	9871	4.92	ppb		88
55)	2-Hexanone	9.04	43	18849	39.51	ppb		99
58)	1,2-EDB	9.26	107	10226	5.03	ppb		90
59)	Tetrachloroethene	8.86	166	7468	4.74	ppb		98
60)	1-Chlorohexane	9.81	91	7979	4.63	ppb		95
61)	1,1,1,2-Tetrachloroethane	9.91	131	11724	5.13	ppb		97
62)	m&p-Xylene	10.08	91	47723	9.93	ppb		99
63)	o-Xylene	10.51	91	25081	5.22	ppb		99
64)	Styrene	10.52	104	18510	5.06	ppb		97
66)	1,3-Dichloropropane	8.90	76	13786	4.88	ppb		88
67)	Dibromochloromethane	9.15	129	12101	5.04	ppb		91
68)	Chlorobenzene	9.81	112	28834	4.68	ppb		98
69)	Ethylbenzene	9.95	91	19096	4.45	ppb		96
70)	Bromoform	10.71	173	9579	5.10	ppb		93
72)	Isopropylbenzene	10.92	105	29260	4.43	ppb		96
73)	1,1,2,2-Tetrachloroethane	11.25	83	13026	5.15	ppb		93
74)	1,2,3-Trichloropropane	11.29	110	4091	4.96	ppb		89
75)	t-1,4-Dichloro-2-Butene	11.37	53	138	3.43	ppb		95
76)	Bromobenzene	11.23	158	13254	5.06	ppb		93
77)	n-Propylbenzene	11.37	91	33271	4.40	ppb		95
78)	4-Ethyltoluene	11.50	105	27786	4.41	ppb		95
79)	2-Chlorotoluene	11.45	91	28065	4.94	ppb		95
80)	1,3,5-Trimethylbenzene	11.57	105	26346	4.58	ppb		98
81)	4-Chlorotoluene	11.57	91	27242	4.61	ppb		95
82)	Tert-Butylbenzene	11.92	119	22092	4.43	ppb		100
83)	1,2,4-Trimethylbenzene	11.97	105	23660	4.96	ppb		92
84)	Sec-Butylbenzene	12.16	105	29346	4.39	ppb		98
85)	p-Isopropyltoluene	12.32	119	24771	5.16	ppb		93
86)	Benzyl Chloride	12.52	91	4319	5.78	ppb		95
87)	1,3-DCB	12.27	146	23784	4.88	ppb		97
88)	1,4-DCB	12.37	146	25167	4.84	ppb		95
89)	n-Butylbenzene	12.77	91	18968	4.17	ppb		95
90)	1,2-DCB	12.77	146	22493	4.69	ppb		99
91)	Hexachloroethane	13.05	117	7223	5.26	ppb		93
92)	1,2-Dibromo-3-chloropropan	13.63	157	2503	5.68	ppb	#	85
93)	1,2,4-Trichlorobenzene	14.54	180	5797	5.39	ppb		93
94)	Hexachlorobutadiene	14.74	225	4470	5.77	ppb		99
95)	Naphthalene	14.81	128	13759	4.44	ppb		98
96)	1,2,3-Trichlorobenzene	15.08	182	5082	5.41	ppb		95

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

Data File : M:\LOKI\DATA\210915\0915L18.D Vial: 8
Acq On : 15 Sep 21 19:11 Operator:
Sample : 5ug/L VOC STD 9/15/21 Inst : Loki
Misc : IS&S: 9/1/21 Multiplr: 1.00

Quant Time: Sep 24 6:08 2021 Quant Results File: L0915W.RES

Method : M:\LOKI\DATA\210915\L0915W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Sep 21 11:31:19 2021
Response via : Initial Calibration



Data File : M:\LOKI\DATA\210915\0915L19.D Vial: 9
Acq On : 15 Sep 21 19:39 Operator:
Sample : 10ug/L VOC STD 9/15/21 Inst : Loki
Misc : IS&S: 9/1/21 Multiplr: 1.00

Quant Time: Sep 24 6:08 2021 Quant Results File: L0915W.RES

Quant Method : M:\LOKI\DATA\210915\L0915W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Sep 21 11:31:19 2021
Response via : Initial Calibration
DataAcq Meth : 072021_L8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.31	96	378885	25.00	ppb	0.00
56) Chlorobenzene-D5 (IS)	9.78	117	325909	25.00	ppb	0.00
71) 1,4-Dichlorobenzene-D4 (IS	12.34	152	211540	25.00	ppb	0.00
System Monitoring Compounds						
32) Dibromofluoromethane(S)	5.46	113	110922	24.28	ppb	0.00
Spiked Amount 25.000			Recovery = 97.124%			
37) 1,2-DCA-D4(S)	5.88	65	98311	24.40	ppb	0.00
Spiked Amount 25.000			Recovery = 97.596%			
57) Toluene-D8(S)	8.18	98	384880	26.12	ppb	0.00
Spiked Amount 25.000			Recovery = 104.488%			
65) 4-Bromofluorobenzene(S)	11.08	174	143727	25.64	ppb	0.00
Spiked Amount 25.000			Recovery = 102.544%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.08	85	17576	10.33	ppb	100
3) Freon 114	1.18	85	15741	10.34	ppb	100
4) Chloromethane	1.22	50	19745	11.11	ppb	100
5) Vinyl chloride	1.31	62	15624	10.49	ppb	100
6) Bromomethane	1.57	96	12273	12.80	ppb	100
7) Chloroethane	1.66	64	10349	10.25	ppb	100
8) Dichlorofluoromethane	1.84	67	25147	9.73	ppb	100
9) Trichlorofluoromethane	1.89	101	15275	10.68	ppb	100
10) Acrolein	2.29	56	14947	116.21	ppb	100
11) Acetone	2.47	43	15975	51.28	ppb	100
12) Freon-113	2.40	101	13685	9.92	ppb	100
13) 1,1-DCE	2.38	61	17763	10.86	ppb	100
15) Acetonitrile	2.77	41	19869	119.98	ppb	100
16) Methyl Acetate	2.85	43	8925	9.16	ppb	100
17) Iodomethane	2.52	142	6095	10.13	ppb	100
18) Acrylonitrile	3.26	53	4575	9.69	ppb	100
19) Methylene chloride	2.92	84	21094	11.37	ppb	100
20) Carbon disulfide	2.58	76	22016	10.61	ppb	100
21) Methyl t-butyl ether (MtBE	3.32	73	6159	11.11	ppb	100
22) Trans-1,2-DCE	3.27	61	19091	10.67	ppb	100
23) Diisopropyl Ether	4.09	45	28713	9.28	ppb	100
24) 1,1-DCA	3.88	63	26418	9.59	ppb	100
25) Vinyl Acetate	4.08	43	5961	9.99	ppb	100
27) MEK (2-Butanone)	4.87	43	23017	49.54	ppb	100
28) Cis-1,2-DCE	4.77	61	20448	9.73	ppb	100
29) 2,2-Dichloropropane	4.75	77	18866	10.54	ppb	100
30) Chloroform	5.25	83	32271	9.84	ppb	100
31) Bromochloromethane	5.10	130	16506	10.68	ppb	100
33) 1,1,1-TCA	5.45	97	26802	9.88	ppb	100
34) Cyclohexane	5.50	56	15443	10.05	ppb	100
35) 1,1-Dichloropropene	5.68	75	17779	10.00	ppb	100
36) 2,2,4-Trimethylpentane	6.08	57	12354	9.75	ppb	100
38) Carbon Tetrachloride	5.66	119	24700	10.28	ppb	100
40) 1,2-DCA	5.97	62	22136	9.99	ppb	100
41) Benzene	5.93	78	65475	9.71	ppb	100
42) TCE	6.76	130	21136	9.57	ppb	100
43) 2-Pentanone	7.05	43	93680	127.95	ppb	100
44) 1,2-Dichloropropane	7.02	63	16957	9.76	ppb	100
45) Bromodichloromethane	7.37	83	25452	10.34	ppb	100
46) Methyl Cyclohexane	6.97	98	9855	9.83	ppb	100

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

Data File : M:\LOKI\DATA\210915\0915L19.D Vial: 9
Acq On : 15 Sep 21 19:39 Operator:
Sample : 10ug/L VOC STD 9/15/21 Inst : Loki
Misc : IS&S: 9/1/21 Multiplr: 1.00

Quant Time: Sep 24 6:08 2021 Quant Results File: L0915W.RES

Quant Method : M:\LOKI\DATA\210915\L0915W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Sep 21 11:31:19 2021
Response via : Initial Calibration
DataAcq Meth : 072021_L8260

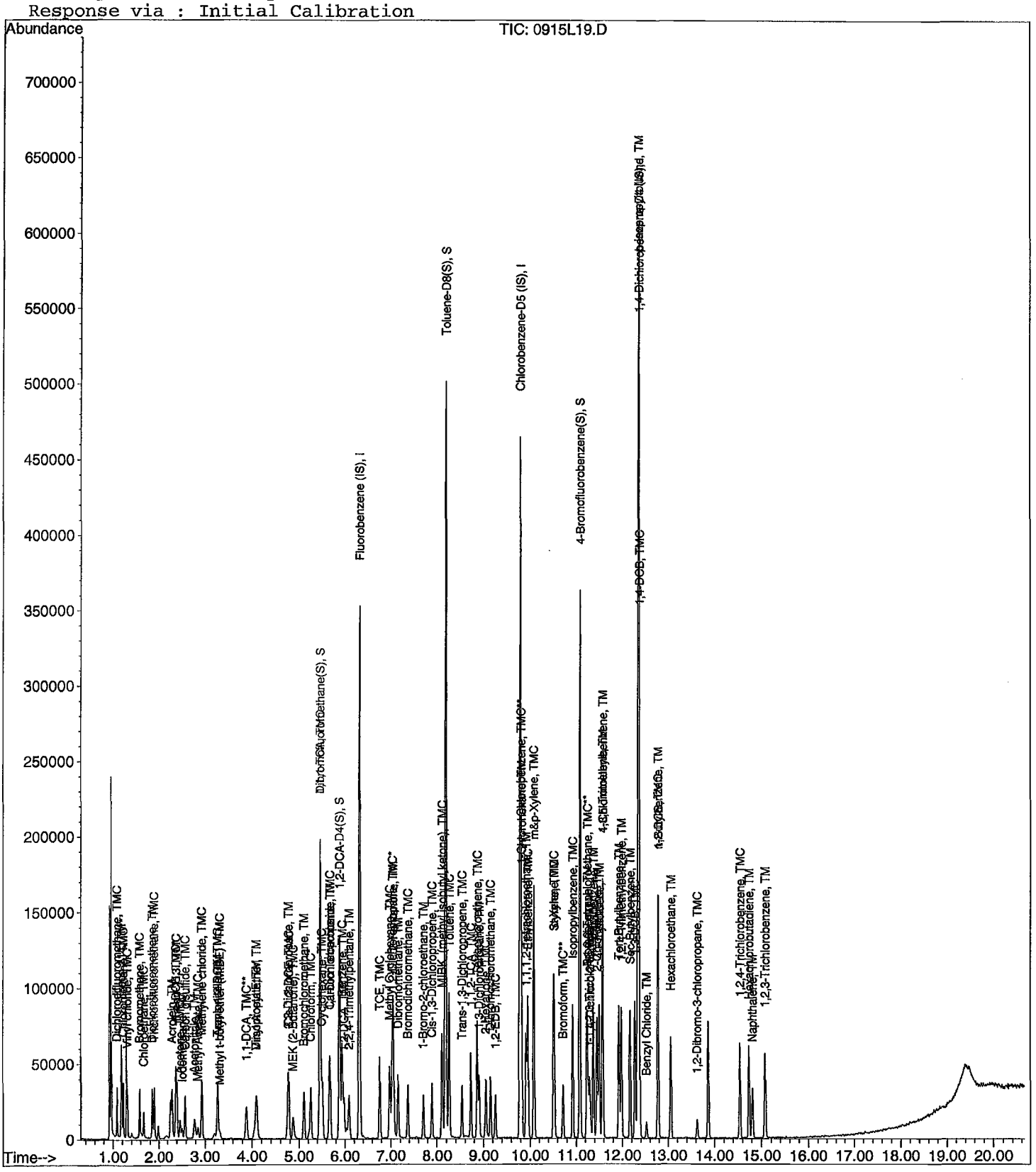
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
47)	Dibromomethane	7.15	174	19543	10.75	ppb	100
49)	MIBK (methyl isobutyl ket	8.11	43	45886	50.95	ppb	100
50)	1-Bromo-2-chloroethane	7.70	63	12729	9.81	ppb	100
51)	Cis-1,3-Dichloropropene	7.89	75	23000	9.93	ppb	100
52)	Toluene	8.26	91	77012	10.25	ppb	100
53)	Trans-1,3-Dichloropropene	8.53	75	11330	9.69	ppb	100
54)	1,1,2-TCA	8.72	97	20328	10.22	ppb	100
55)	2-Hexanone	9.04	43	27242	53.37	ppb	100
58)	1,2-EDB	9.26	107	20723	10.56	ppb	100
59)	Tetrachloroethene	8.86	166	15698	10.56	ppb	100
60)	1-Chlorohexane	9.82	91	16211	9.74	ppb	100
61)	1,1,1,2-Tetrachloroethane	9.91	131	22033	9.99	ppb	100
62)	m&p-Xylene	10.08	91	107205	18.76	ppb	100
63)	o-Xylene	10.51	91	53554	9.42	ppb	100
64)	Styrene	10.53	104	41339	8.91	ppb	100
66)	1,3-Dichloropropane	8.90	76	27481	10.08	ppb	100
67)	Dibromochloromethane	9.15	129	24023	10.37	ppb	100
68)	Chlorobenzene	9.81	112	59192	9.95	ppb	100
69)	Ethylbenzene	9.95	91	40800	9.86	ppb	100
70)	Bromoform	10.71	173	18637	10.27	ppb	100
72)	Isopropylbenzene	10.92	105	64504	9.24	ppb	100
73)	1,1,2,2-Tetrachloroethane	11.25	83	26631	9.97	ppb	100
74)	1,2,3-Trichloropropane	11.28	110	8584	9.84	ppb	100
75)	t-1,4-Dichloro-2-Butene	11.31	53	2722	12.20	ppb	100
76)	Bromobenzene	11.23	158	27104	9.79	ppb	100
77)	n-Propylbenzene	11.37	91	76836	9.62	ppb	100
78)	4-Ethyltoluene	11.50	105	64079	9.62	ppb	100
79)	2-Chlorotoluene	11.45	91	60444	10.07	ppb	100
80)	1,3,5-Trimethylbenzene	11.57	105	60091	9.88	ppb	100
81)	4-Chlorotoluene	11.57	91	63062	10.10	ppb	100
82)	Tert-Butylbenzene	11.92	119	49960	9.48	ppb	100
83)	1,2,4-Trimethylbenzene	11.97	105	55937	9.19	ppb	100
84)	Sec-Butylbenzene	12.16	105	68671	9.71	ppb	100
85)	p-Isopropyltoluene	12.33	119	60076	9.40	ppb	100
86)	Benzyl Chloride	12.52	91	9799	10.08	ppb	100
87)	1,3-DCB	12.27	146	50537	9.80	ppb	100
88)	1,4-DCB	12.37	146	54765	9.96	ppb	100
89)	n-Butylbenzene	12.77	91	46241	9.61	ppb	100
90)	1,2-DCB	12.77	146	50450	9.95	ppb	100
91)	Hexachloroethane	13.05	117	15051	10.66	ppb	100
92)	1,2-Dibromo-3-chloropropan	13.63	157	5433	10.41	ppb	100
93)	1,2,4-Trichlorobenzene	14.54	180	15271	10.12	ppb	100
94)	Hexachlorobutadiene	14.73	225	8922	10.11	ppb	100
95)	Naphthalene	14.81	128	37515	9.94	ppb	100
96)	1,2,3-Trichlorobenzene	15.07	182	12578	9.41	ppb	100

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

Data File : M:\LOKI\DATA\210915\0915L19.D Vial: 9
Acq On : 15 Sep 21 19:39 Operator:
Sample : 10ug/L VOC STD 9/15/21 Inst : Loki
Misc : IS&S: 9/1/21 Multiplr: 1.00

Quant Time: Sep 24 6:08 2021 Quant Results File: L0915W.RES

Method : M:\LOKI\DATA\210915\L0915W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Sep 21 11:31:19 2021
Response via : Initial Calibration



Data File : M:\LOKI\DATA\210915\0915L20.D Vial: 10
Acq On : 15 Sep 21 20:06 Operator:
Sample : 20ug/L VOC STD 9/15/21 Inst : Loki
Misc : IS&S: 9/1/21 Multiplr: 1.00

Quant Time: Sep 24 6:09 2021 Quant Results File: L0915W.RES

Quant Method : M:\LOKI\DATA\210915\L0915W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Sep 21 11:31:19 2021
Response via : Initial Calibration
DataAcq Meth : 072021_L8260

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene (IS)	6.31	96	401304	25.00	ppb		0.00
56) Chlorobenzene-D5 (IS)	9.78	117	347596	25.00	ppb		0.00
71) 1,4-Dichlorobenzene-D4 (IS	12.34	152	235358	25.00	ppb		0.00
System Monitoring Compounds							
32) Dibromofluoromethane(S)	5.46	113	225612	46.63	ppb		0.00
Spiked Amount 25.000			Recovery = 186.512%				
37) 1,2-DCA-D4(S)	5.88	65	197637	46.31	ppb		0.00
Spiked Amount 25.000			Recovery = 185.240%				
57) Toluene-D8(S)	8.18	98	834056	53.08	ppb		0.00
Spiked Amount 25.000			Recovery = 212.304%				
65) 4-Bromofluorobenzene(S)	11.08	174	330232	55.23	ppb		0.00
Spiked Amount 25.000			Recovery = 220.904%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.08	85	33290	18.47	ppb		98
3) Freon 114	1.18	85	32280	20.03	ppb		98
4) Chloromethane	1.22	50	37417	20.28	ppb		97
5) Vinyl chloride	1.31	62	29280	18.55	ppb		97
6) Bromomethane	1.56	96	16809	17.44	ppb		97
7) Chloroethane	1.65	64	18027	17.64	ppb	#	87
8) Dichlorofluoromethane	1.84	67	46846	17.12	ppb		96
9) Trichlorofluoromethane	1.88	101	28880	19.17	ppb		94
10) Acrolein	2.29	56	19816	145.46	ppb		95
11) Acetone	2.46	43	18875	57.55	ppb		96
12) Freon-113	2.40	101	26692	18.27	ppb		95
13) 1,1-DCE	2.37	61	33263	19.41	ppb		95
15) Acetonitrile	2.76	41	26562	151.44	ppb		100
16) Methyl Acetate	2.84	43	19161	18.56	ppb		96
17) Iodomethane	2.52	142	12865	18.63	ppb		99
18) Acrylonitrile	3.26	53	10071	18.92	ppb		98
19) Methylene chloride	2.92	84	38936	21.68	ppb		95
20) Carbon disulfide	2.57	76	41808	19.35	ppb		99
21) Methyl t-butyl ether (MtBE	3.32	73	15808	25.73	ppb		97
22) Trans-1,2-DCE	3.27	61	35965	18.94	ppb		95
23) Diisopropyl Ether	4.08	45	60026	18.32	ppb		100
24) 1,1-DCA	3.88	63	51481	17.65	ppb		95
25) Vinyl Acetate	4.08	43	11854	18.62	ppb		100
27) MEK (2-Butanone)	4.86	43	27996	56.89	ppb		93
28) Cis-1,2-DCE	4.77	61	40943	18.40	ppb		97
29) 2,2-Dichloropropane	4.75	77	36993	19.81	ppb		99
30) Chloroform	5.25	83	61457	17.69	ppb		99
31) Bromochloromethane	5.10	130	30023	18.34	ppb		94
33) 1,1,1-TCA	5.45	97	49628	17.28	ppb		94
34) Cyclohexane	5.51	56	32974	20.25	ppb		97
35) 1,1-Dichloropropene	5.68	75	35566	18.89	ppb		97
36) 2,2,4-Trimethylpentane	6.08	57	27392	20.41	ppb		97
38) Carbon Tetrachloride	5.67	119	47253	18.56	ppb		99
40) 1,2-DCA	5.97	62	41429	17.65	ppb		90
41) Benzene	5.93	78	129132	18.07	ppb		100
42) TCE	6.76	130	43374	18.53	ppb		95
43) 2-Pentanone	7.04	43	120252	155.07	ppb		100
44) 1,2-Dichloropropane	7.02	63	33919	18.44	ppb		98
45) Bromodichloromethane	7.36	83	46971	18.01	ppb		99
46) Methyl Cyclohexane	6.97	98	20189	19.00	ppb		96

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

Data File : M:\LOKI\DATA\210915\0915L20.D Vial: 10
Acq On : 15 Sep 21 20:06 Operator:
Sample : 20ug/L VOC STD 9/15/21 Inst : Loki
Misc : IS&S: 9/1/21 Multiplr: 1.00

Quant Time: Sep 24 6:09 2021 Quant Results File: L0915W.RES

Quant Method : M:\LOKI\DATA\210915\L0915W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Sep 21 11:31:19 2021
Response via : Initial Calibration
DataAcq Meth : 072021_L8260

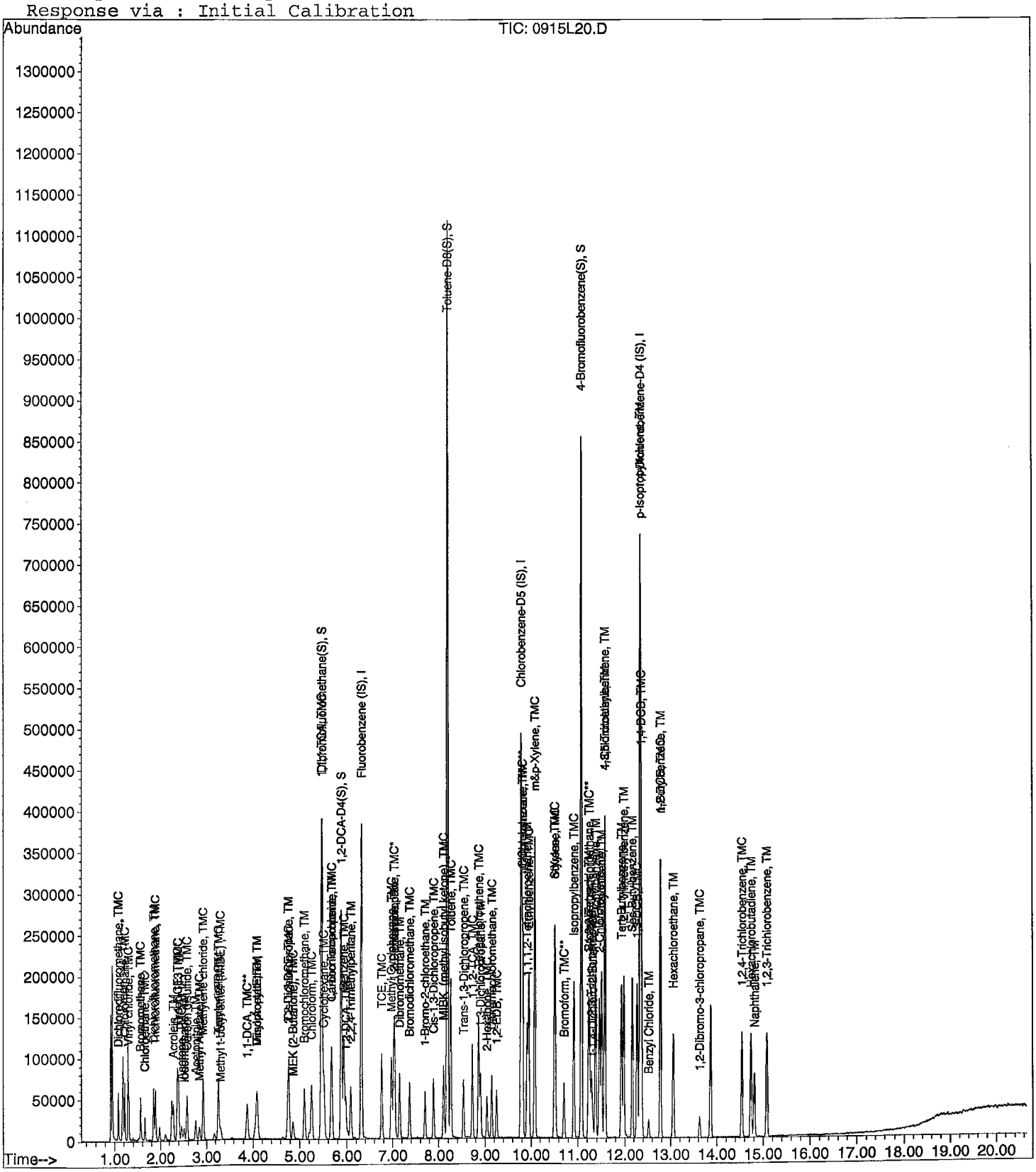
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
47)	Dibromomethane	7.15	174	37755	19.70	ppb		98
49)	MIBK (methyl isobutyl ket	8.11	43	54934	57.59	ppb		94
50)	1-Bromo-2-chloroethane	7.70	63	24376	17.73	ppb		95
51)	Cis-1,3-Dichloropropene	7.89	75	44911	18.31	ppb		96
52)	Toluene	8.25	91	156077	19.62	ppb		97
53)	Trans-1,3-Dichloropropene	8.53	75	23792	19.22	ppb		96
54)	1,1,2-TCA	8.72	97	38726	18.39	ppb		92
55)	2-Hexanone	9.04	43	31199	56.66	ppb		99
58)	1,2-EDB	9.25	107	40059	19.14	ppb		90
59)	Tetrachloroethene	8.86	166	30576	19.47	ppb		96
60)	1-Chlorohexane	9.82	91	34649	19.52	ppb		98
61)	1,1,1,2-Tetrachloroethane	9.91	131	44312	18.84	ppb		94
62)	m&p-Xylene	10.08	91	239578	35.74	ppb		100
63)	o-Xylene	10.51	91	117550	17.53	ppb		96
64)	Styrene	10.52	104	97745	17.15	ppb		94
66)	1,3-Dichloropropane	8.90	76	55047	18.94	ppb		90
67)	Dibromochloromethane	9.15	129	46292	18.74	ppb		100
68)	Chlorobenzene	9.81	112	117922	18.59	ppb		99
69)	Ethylbenzene	9.95	91	87976	19.92	ppb		97
70)	Bromoform	10.71	173	36414	18.82	ppb		96
72)	Isopropylbenzene	10.92	105	141909	18.27	ppb		100
73)	1,1,2,2-Tetrachloroethane	11.25	83	51622	17.37	ppb		97
74)	1,2,3-Trichloropropane	11.29	110	17090	17.61	ppb		95
75)	t-1,4-Dichloro-2-Butene	11.32	53	5360	19.33	ppb	#	66
76)	Bromobenzene	11.23	158	55005	17.86	ppb		96
77)	n-Propylbenzene	11.37	91	169921	19.12	ppb		96
78)	4-Ethyltoluene	11.50	105	151816	20.48	ppb		99
79)	2-Chlorotoluene	11.45	91	132352	19.81	ppb		99
80)	1,3,5-Trimethylbenzene	11.57	105	138210	20.43	ppb		99
81)	4-Chlorotoluene	11.57	91	141427	20.35	ppb		97
82)	Tert-Butylbenzene	11.92	119	108723	18.55	ppb		96
83)	1,2,4-Trimethylbenzene	11.97	105	133249	17.91	ppb		99
84)	Sec-Butylbenzene	12.16	105	153172	19.47	ppb		100
85)	p-Isopropyltoluene	12.33	119	137314	17.31	ppb		94
86)	Benzyl Chloride	12.52	91	19368	16.32	ppb		98
87)	1,3-DCB	12.27	146	106540	18.57	ppb		100
88)	1,4-DCB	12.37	146	110816	18.12	ppb		98
89)	n-Butylbenzene	12.77	91	100461	18.76	ppb		96
90)	1,2-DCB	12.78	146	104218	18.47	ppb		99
91)	Hexachloroethane	13.05	117	29458	18.98	ppb		96
92)	1,2-Dibromo-3-chloropropan	13.63	157	10797	17.65	ppb		95
93)	1,2,4-Trichlorobenzene	14.54	180	28392	15.42	ppb		93
94)	Hexachlorobutadiene	14.74	225	17568	17.22	ppb		88
95)	Naphthalene	14.81	128	86479	18.62	ppb		97
96)	1,2,3-Trichlorobenzene	15.07	182	28496	16.66	ppb		99

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

Data File : M:\LOKI\DATA\210915\0915L20.D Vial: 10
Acq On : 15 Sep 21 20:06 Operator:
Sample : 20ug/L VOC STD 9/15/21 Inst : Loki
Misc : IS&S: 9/1/21 Multiplr: 1.00

Quant Time: Sep 24 6:09 2021 Quant Results File: L0915W.RES

Method : M:\LOKI\DATA\210915\L0915W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Sep 21 11:31:19 2021
Response via : Initial Calibration



Data File : M:\LOKI\DATA\210915\0915L21.D Vial: 11
Acq On : 15 Sep 21 20:34 Operator:
Sample : 40ug/L VOC STD 9/15/21 Inst : Loki
Misc : IS&S: 9/1/21 Multiplr: 1.00

Quant Time: Sep 24 6:09 2021 Quant Results File: L0915W.RES

Quant Method : M:\LOKI\DATA\210915\L0915W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Sep 21 11:31:19 2021
Response via : Initial Calibration
DataAcq Meth : 072021_L8260

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene (IS)	6.31	96	393871	25.00	ppb		0.00
56) Chlorobenzene-D5 (IS)	9.78	117	343182	25.00	ppb		0.00
71) 1,4-Dichlorobenzene-D4 (IS	12.34	152	242668	25.00	ppb		0.00
System Monitoring Compounds							
32) Dibromofluoromethane(S)	5.46	113	221017	46.54	ppb		0.00
Spiked Amount 25.000			Recovery = 186.160%				
37) 1,2-DCA-D4(S)	5.88	65	192231	45.89	ppb		0.00
Spiked Amount 25.000			Recovery = 183.572%				
57) Toluene-D8(S)	8.18	98	827286	53.32	ppb		0.00
Spiked Amount 25.000			Recovery = 213.288%				
65) 4-Bromofluorobenzene(S)	11.08	174	341756	57.89	ppb		0.00
Spiked Amount 25.000			Recovery = 231.556%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.08	85	70530	39.87	ppb		96
3) Freon 114	1.18	85	62835	39.72	ppb		95
4) Chloromethane	1.22	50	73505	41.09	ppb		100
5) Vinyl chloride	1.31	62	60756	39.23	ppb		98
6) Bromomethane	1.57	96	38928	45.30	ppb		92
7) Chloroethane	1.66	64	35995	42.07	ppb	#	89
8) Dichlorofluoromethane	1.84	67	95181	35.44	ppb		97
9) Trichlorofluoromethane	1.88	101	58736	39.87	ppb		99
10) Acrolein	2.29	56	21968	164.30	ppb		97
11) Acetone	2.47	43	23325	73.21	ppb		97
12) Freon-113	2.40	101	53566	37.37	ppb		95
13) 1,1-DCE	2.38	61	65745	39.36	ppb		96
15) Acetonitrile	2.77	41	26656	154.84	ppb		93
16) Methyl Acetate	2.84	43	38446	37.94	ppb		93
17) Iodomethane	2.51	142	32199	40.75	ppb		99
18) Acrylonitrile	3.26	53	21025	38.98	ppb		97
19) Methylene chloride	2.92	84	75614	45.34	ppb		98
20) Carbon disulfide	2.58	76	83208	39.67	ppb		95
21) Methyl t-butyl ether (MtBE	3.32	73	23712	36.67	ppb		99
22) Trans-1,2-DCE	3.27	61	73399	39.31	ppb		93
23) Diisopropyl Ether	4.09	45	133110	41.39	ppb		100
24) 1,1-DCA	3.88	63	104119	36.37	ppb		98
25) Vinyl Acetate	4.08	43	24904	39.68	ppb		100
27) MEK (2-Butanone)	4.86	43	39851	82.51	ppb		99
28) Cis-1,2-DCE	4.77	61	82667	37.85	ppb		98
29) 2,2-Dichloropropane	4.76	77	71511	39.34	ppb		98
30) Chloroform	5.25	83	121863	35.74	ppb		99
31) Bromochloromethane	5.10	130	62996	39.21	ppb		95
33) 1,1,1-TCA	5.45	97	102527	36.37	ppb		98
34) Cyclohexane	5.51	56	72316	45.26	ppb		91
35) 1,1-Dichloropropene	5.68	75	73484	39.77	ppb		96
36) 2,2,4-Trimethylpentane	6.08	57	56008	42.52	ppb		96
38) Carbon Tetrachloride	5.66	119	92124	36.87	ppb		97
40) 1,2-DCA	5.97	62	83985	36.45	ppb		91
41) Benzene	5.94	78	264730	37.75	ppb		100
42) TCE	6.76	130	85265	37.12	ppb		95
43) 2-Pentanone	7.05	43	141696	186.17	ppb		97
44) 1,2-Dichloropropane	7.02	63	69996	38.77	ppb		96
45) Bromodichloromethane	7.37	83	94731	37.02	ppb		99
46) Methyl Cyclohexane	6.97	98	45282	43.43	ppb		97

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

Data File : M:\LOKI\DATA\210915\0915L21.D Vial: 11
Acq On : 15 Sep 21 20:34 Operator:
Sample : 40ug/L VOC STD 9/15/21 Inst : Loki
Misc : IS&S: 9/1/21 Multiplr: 1.00

Quant Time: Sep 24 6:09 2021 Quant Results File: L0915W.RES

Quant Method : M:\LOKI\DATA\210915\L0915W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Sep 21 11:31:19 2021
Response via : Initial Calibration
DataAcq Meth : 072021_L8260

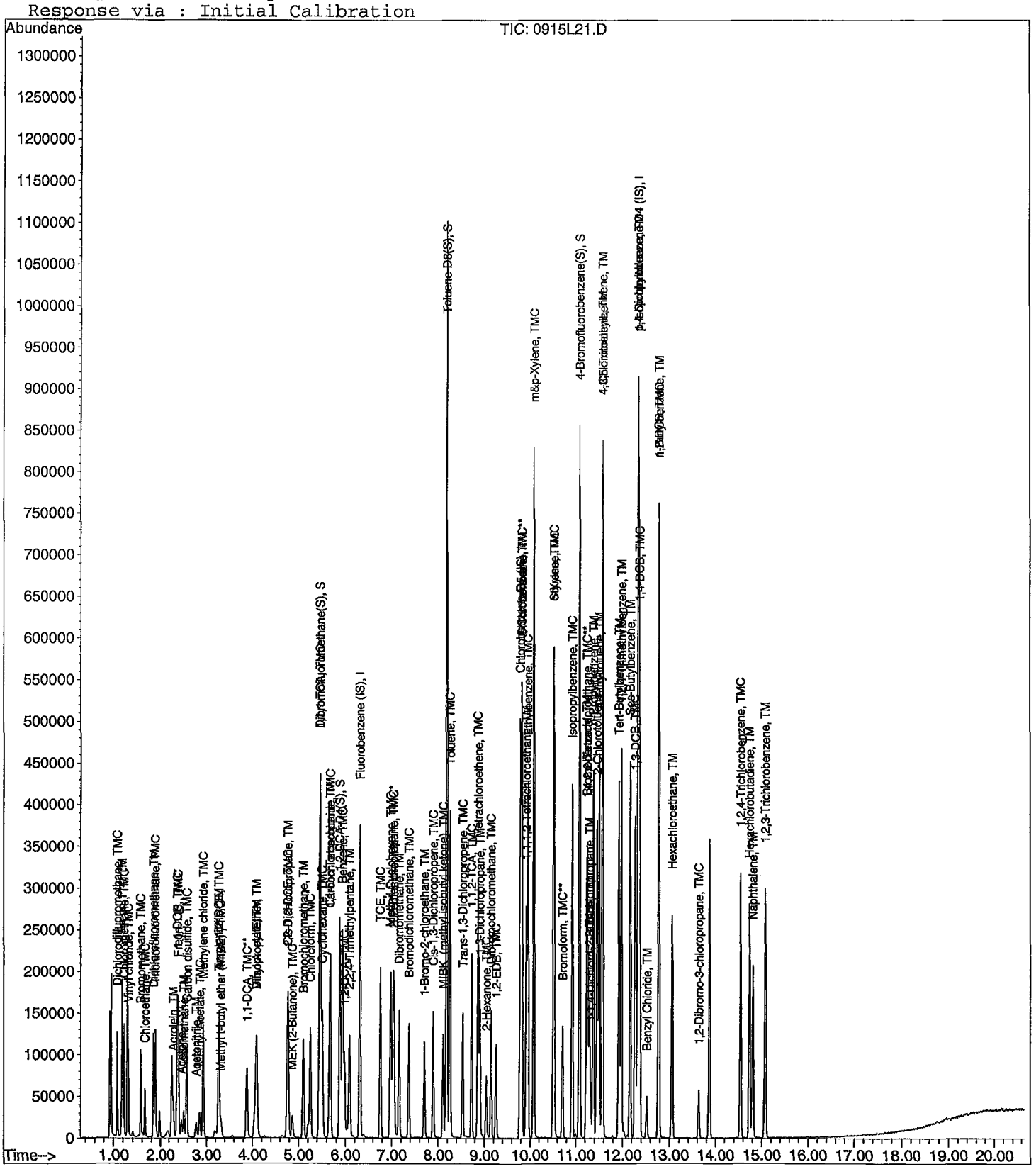
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
47)	Dibromomethane	7.15	174	74910	39.94	ppb		96
49)	MIBK (methyl isobutyl ket	8.11	43	77540	82.83	ppb		95
50)	1-Bromo-2-chloroethane	7.70	63	50152	37.17	ppb		95
51)	Cis-1,3-Dichloropropene	7.89	75	97277	40.41	ppb		97
52)	Toluene	8.26	91	318785	40.83	ppb		96
53)	Trans-1,3-Dichloropropene	8.53	75	51864	42.68	ppb		93
54)	1,1,2-TCA	8.73	97	77276	37.38	ppb		96
55)	2-Hexanone	9.04	43	47557	78.30	ppb		99
58)	1,2-EDB	9.25	107	82719	40.02	ppb		89
59)	Tetrachloroethene	8.86	166	62208	40.35	ppb		96
60)	1-Chlorohexane	9.82	91	76163	43.45	ppb		97
61)	1,1,1,2-Tetrachloroethane	9.91	131	90962	39.17	ppb		97
62)	m&p-Xylene	10.08	91	538786	77.23	ppb		100
63)	o-Xylene	10.51	91	260701	37.19	ppb		97
64)	Styrene	10.52	104	226916	37.43	ppb		94
66)	1,3-Dichloropropane	8.90	76	116684	40.66	ppb		89
67)	Dibromochloromethane	9.14	129	93041	38.15	ppb		98
68)	Chlorobenzene	9.81	112	242876	38.78	ppb		99
69)	Ethylbenzene	9.95	91	191616	43.96	ppb		98
70)	Bromoform	10.71	173	74696	39.10	ppb		100
72)	Isopropylbenzene	10.92	105	320133	39.98	ppb		99
73)	1,1,2,2-Tetrachloroethane	11.25	83	103431	33.75	ppb		99
74)	1,2,3-Trichloropropane	11.29	110	34637	34.62	ppb		97
75)	t-1,4-Dichloro-2-Butene	11.32	53	11098	35.86	ppb	#	58
76)	Bromobenzene	11.23	158	117156	36.90	ppb		95
77)	n-Propylbenzene	11.37	91	382593	41.75	ppb		96
78)	4-Ethyltoluene	11.50	105	349649	45.74	ppb		99
79)	2-Chlorotoluene	11.45	91	287869	41.79	ppb		99
80)	1,3,5-Trimethylbenzene	11.57	105	311435	44.64	ppb		98
81)	4-Chlorotoluene	11.57	91	300707	41.96	ppb		99
82)	Tert-Butylbenzene	11.92	119	252177	41.73	ppb		98
83)	1,2,4-Trimethylbenzene	11.97	105	307641	38.18	ppb		97
84)	Sec-Butylbenzene	12.16	105	360962	44.51	ppb		97
85)	p-Isopropyltoluene	12.32	119	320899	36.84	ppb		94
86)	Benzyl Chloride	12.52	91	44833	34.12	ppb		100
87)	1,3-DCB	12.27	146	225655	38.15	ppb		97
88)	1,4-DCB	12.37	146	236762	37.55	ppb		99
89)	n-Butylbenzene	12.77	91	240870	43.63	ppb		96
90)	1,2-DCB	12.77	146	227838	39.15	ppb		99
91)	Hexachloroethane	13.05	117	62352	39.28	ppb		96
92)	1,2-Dibromo-3-chloropropan	13.63	157	24006	36.68	ppb		90
93)	1,2,4-Trichlorobenzene	14.54	180	75120	36.11	ppb		98
94)	Hexachlorobutadiene	14.73	225	40024	36.97	ppb		98
95)	Naphthalene	14.81	128	231881	40.77	ppb		99
96)	1,2,3-Trichlorobenzene	15.07	182	66176	34.49	ppb		96

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

Data File : M:\LOKI\DATA\210915\0915L21.D Vial: 11
Acq On : 15 Sep 21 20:34 Operator:
Sample : 40ug/L VOC STD 9/15/21 Inst : Loki
Misc : IS&S: 9/1/21 Multiplr: 1.00

Quant Time: Sep 24 6:09 2021 Quant Results File: L0915W.RES

Method : M:\LOKI\DATA\210915\L0915W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Sep 21 11:31:19 2021
Response via : Initial Calibration



Data File : M:\LOKI\DATA\210915\0915L22.D Vial: 12
Acq On : 15 Sep 21 21:01 Operator:
Sample : 100ug/L VOC STD 9/15/21 Inst : Loki
Misc : IS&S: 9/1/21 Multiplr: 1.00

Quant Time: Sep 24 6:09 2021 Quant Results File: L0915W.RES

Quant Method : M:\LOKI\DATA\210915\L0915W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Sep 21 11:31:19 2021
Response via : Initial Calibration
DataAcq Meth : 072021_L8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.31	96	396611	25.00	ppb	0.00
56) Chlorobenzene-D5 (IS)	9.78	117	344948	25.00	ppb	0.00
71) 1,4-Dichlorobenzene-D4 (IS	12.34	152	251763	25.00	ppb	0.00
System Monitoring Compounds						
32) Dibromofluoromethane(S)	5.46	113	416036	87.00	ppb	0.00
Spiked Amount 25.000			Recovery =	348.000%		
37) 1,2-DCA-D4(S)	5.88	65	356285	84.47	ppb	0.00
Spiked Amount 25.000			Recovery =	337.884%		
57) Toluene-D8(S)	8.18	98	1586340	101.72	ppb	0.00
Spiked Amount 25.000			Recovery =	406.892%		
65) 4-Bromofluorobenzene(S)	11.08	174	679839	114.57	ppb	0.00
Spiked Amount 25.000			Recovery =	458.260%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.08	85	172732	96.98	ppb	97
3) Freon 114	1.18	85	153912	96.62	ppb	96
4) Chloromethane	1.22	50	173914	97.23	ppb	100
5) Vinyl chloride	1.31	62	152800	97.98	ppb	99
6) Bromomethane	1.57	96	82009	98.10	ppb	96
7) Chloroethane	1.65	64	51118	83.85	ppb	92
8) Dichlorofluoromethane	1.84	67	232471	85.97	ppb	95
9) Trichlorofluoromethane	1.88	101	148288	100.16	ppb	97
10) Acrolein	2.29	56	25664	190.61	ppb	94
11) Acetone	2.47	43	33388	105.31	ppb	99
12) Freon-113	2.40	101	134231	92.99	ppb	95
13) 1,1-DCE	2.37	61	167960	100.28	ppb	97
15) Acetonitrile	2.77	41	33878	195.44	ppb	97
16) Methyl Acetate	2.84	43	86372	84.65	ppb	93
17) Iodomethane	2.51	142	108044	99.95	ppb	99
18) Acrylonitrile	3.26	53	55633	100.60	ppb	96
19) Methylene chloride	2.92	84	159095	97.48	ppb	96
20) Carbon disulfide	2.57	76	210304	100.19	ppb	98
21) Methyl t-butyl ether (MtBE	3.32	73	95178	100.19	ppb	97
22) Trans-1,2-DCE	3.27	61	188970	100.41	ppb	94
23) Diisopropyl Ether	4.08	45	366314	113.10	ppb	98
24) 1,1-DCA	3.87	63	254485	88.29	ppb	100
25) Vinyl Acetate	4.08	43	63600	100.38	ppb	99
27) MEK (2-Butanone)	4.86	43	53161	109.31	ppb	94
28) Cis-1,2-DCE	4.77	61	219364	99.74	ppb	96
29) 2,2-Dichloropropane	4.76	77	182530	100.25	ppb	99
30) Chloroform	5.25	83	303024	88.27	ppb	98
31) Bromochloromethane	5.10	130	148994	92.11	ppb	95
33) 1,1,1-TCA	5.45	97	255294	89.93	ppb	94
34) Cyclohexane	5.51	56	202395	125.78	ppb	95
35) 1,1-Dichloropropene	5.68	75	200376	107.70	ppb	95
36) 2,2,4-Trimethylpentane	6.08	57	157184	118.49	ppb	95
38) Carbon Tetrachloride	5.66	119	232234	92.30	ppb	98
40) 1,2-DCA	5.97	62	207129	89.27	ppb	92
41) Benzene	5.94	78	680246	96.33	ppb	96
42) TCE	6.76	130	219272	94.81	ppb	97
43) 2-Pentanone	7.05	43	179350	234.01	ppb	97
44) 1,2-Dichloropropane	7.02	63	175740	96.68	ppb	98
45) Bromodichloromethane	7.37	83	241057	93.54	ppb	97
46) Methyl Cyclohexane	6.97	98	130643	124.42	ppb	90

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

Data File : M:\LOKI\DATA\210915\0915L22.D Vial: 12
Acq On : 15 Sep 21 21:01 Operator:
Sample : 100ug/L VOC STD 9/15/21 Inst : Loki
Misc : IS&S: 9/1/21 Multiplr: 1.00

Quant Time: Sep 24 6:09 2021 Quant Results File: L0915W.RES

Quant Method : M:\LOKI\DATA\210915\L0915W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Sep 21 11:31:19 2021
Response via : Initial Calibration
DataAcq Meth : 072021_L8260

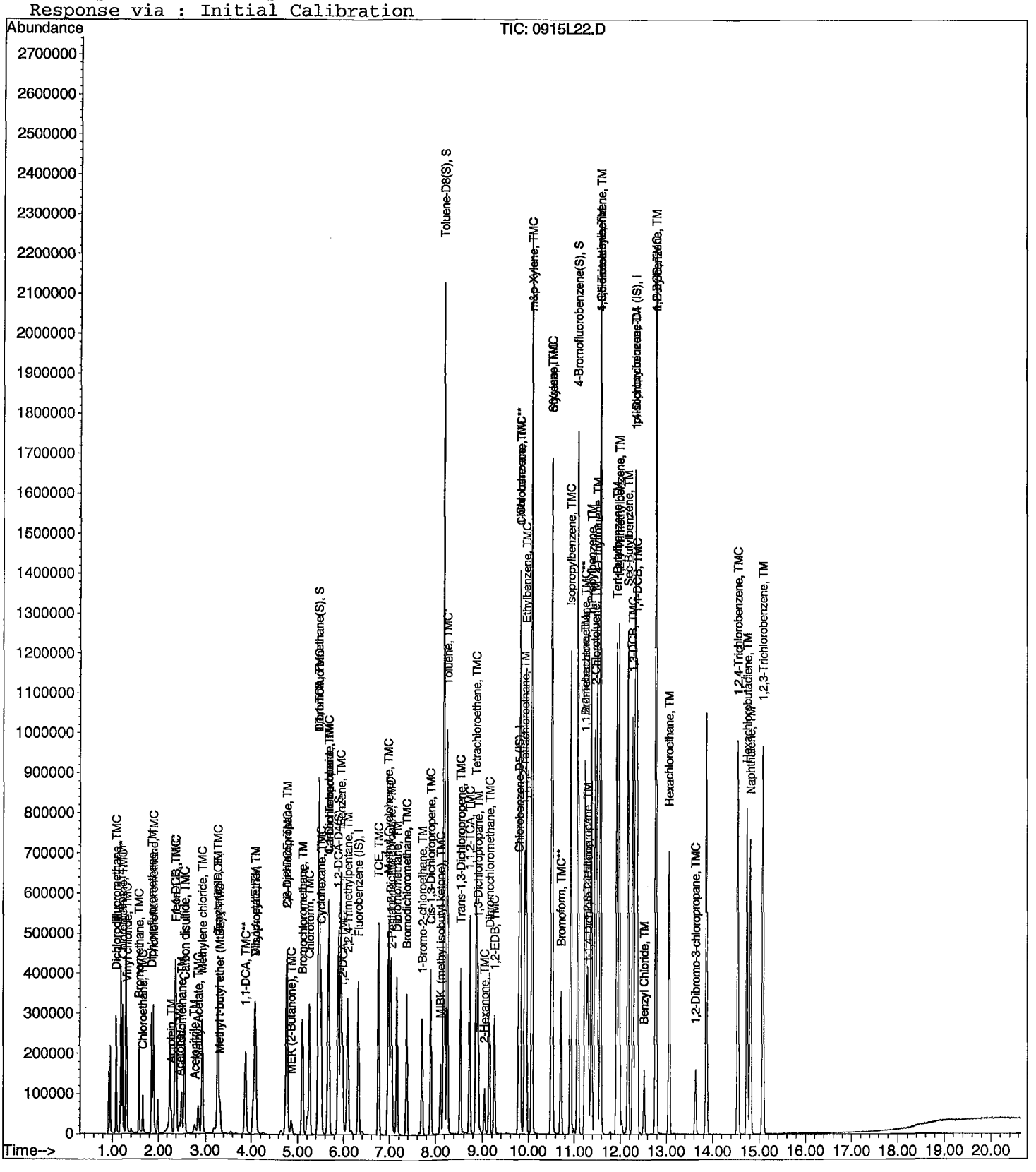
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
47)	Dibromomethane	7.15	174	188574	100.01	ppb		100
49)	MIBK (methyl isobutyl ket	8.11	43	110340	117.05	ppb		97
50)	1-Bromo-2-chloroethane	7.70	63	126480	93.10	ppb		95
51)	Cis-1,3-Dichloropropene	7.89	75	261913	108.06	ppb		98
52)	Toluene	8.26	91	816148	103.81	ppb		98
53)	Trans-1,3-Dichloropropene	8.53	75	143744	117.47	ppb		93
54)	1,1,2-TCA	8.73	97	194836	93.59	ppb		94
55)	2-Hexanone	9.04	43	69279	101.12	ppb		94
58)	1,2-EDB	9.25	107	213448	102.74	ppb		92
59)	Tetrachloroethene	8.87	166	154368	99.92	ppb		95
60)	1-Chlorohexane	9.82	91	216107	122.66	ppb		90
61)	1,1,1,2-Tetrachloroethane	9.91	131	232679	99.69	ppb		97
62)	m&p-Xylene	10.08	91	1455339	202.03	ppb		100
63)	o-Xylene	10.51	91	738572	101.62	ppb		95
64)	Styrene	10.52	104	643050	101.65	ppb		95
66)	1,3-Dichloropropane	8.90	76	296526	102.81	ppb		90
67)	Dibromochloromethane	9.14	129	241663	98.58	ppb		100
68)	Chlorobenzene	9.81	112	622924	98.96	ppb		99
69)	Ethylbenzene	9.95	91	530130	120.99	ppb		98
70)	Bromoform	10.71	173	199434	103.85	ppb		99
72)	Isopropylbenzene	10.92	105	930135	111.96	ppb		100
73)	1,1,2,2-Tetrachloroethane	11.25	83	279698	87.96	ppb		97
74)	1,2,3-Trichloropropane	11.29	110	90525	87.21	ppb		90
75)	t-1,4-Dichloro-2-Butene	11.31	53	34502	101.60	ppb	#	68
76)	Bromobenzene	11.23	158	304804	92.54	ppb		91
77)	n-Propylbenzene	11.37	91	1089366	114.59	ppb		96
78)	4-Ethyltoluene	11.50	105	988378	124.62	ppb		100
79)	2-Chlorotoluene	11.45	91	771578	107.97	ppb		99
80)	1,3,5-Trimethylbenzene	11.57	105	850070	117.45	ppb		99
81)	4-Chlorotoluene	11.57	91	795091	106.95	ppb		98
82)	Tert-Butylbenzene	11.92	119	742089	118.38	ppb		99
83)	1,2,4-Trimethylbenzene	11.97	105	868045	101.19	ppb		98
84)	Sec-Butylbenzene	12.16	105	1029411	122.34	ppb		100
85)	p-Isopropyltoluene	12.32	119	951773	101.81	ppb		95
86)	Benzyl Chloride	12.52	91	146344	102.98	ppb		97
87)	1,3-DCB	12.27	146	598502	97.54	ppb		99
88)	1,4-DCB	12.37	146	622006	95.09	ppb		99
89)	n-Butylbenzene	12.77	91	717294	125.24	ppb		92
90)	1,2-DCB	12.77	146	623603	103.29	ppb		99
91)	Hexachloroethane	13.05	117	164589	100.41	ppb		97
92)	1,2-Dibromo-3-chloropropan	13.63	157	70529	101.68	ppb		95
93)	1,2,4-Trichlorobenzene	14.54	180	230272	102.38	ppb		97
94)	Hexachlorobutadiene	14.74	225	115984	101.68	ppb		96
95)	Naphthalene	14.81	128	819499	99.95	ppb		99
96)	1,2,3-Trichlorobenzene	15.07	182	214976	102.84	ppb		97

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

Data File : M:\LOKI\DATA\210915\0915L22.D Vial: 12
Acq On : 15 Sep 21 21:01 Operator:
Sample : 100ug/L VOC STD 9/15/21 Inst : Loki
Misc : IS&S: 9/1/21 Multiplr: 1.00

Quant Time: Sep 24 6:09 2021 Quant Results File: L0915W.RES

Method : M:\LOKI\DATA\210915\L0915W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Sep 21 11:31:19 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: 9/15/2021
Instrument: Loki
Initial Cal. Date: 9/15/2021
Data File: 0915L24.D

		Compound	MEAN	CCRF	%D		%Drift	
1	TMC	Dichlorodifluoromethane	0.1123	0.1057	5.8	TMC		
2	TM	Freon 114	0.1004	0.0917	8.6	TM		
3	TMC**	Chloromethane	0.1395	0.1150	18	TMC**L	2.5	
4	TMC*	Vinyl chloride	0.0983	0.0858	13	TMC*		
5	TMCL	Bromomethane	0.0907	0.0752	17	TMCL	17	
6	TMCQ	Chloroethane	0.0702	0.0541	23	TMCQ	20	
7	TM	Dichlorofluoromethane	0.1704	0.1433	16	TM		
8	TMCL	Trichlorofluoromethane	0.1039	0.0833	20	TMCL	12	
9	TM	Acrolein	0.0085	0.0075	12	TM		
10	TMCL	Acetone	0.0224	0.0184	18	TMCL	11	
11	TMC	Freon-113	0.0910	0.0805	12	TMC		
12	TMC*L	1,1-DCE	0.1196	0.1063	11	TMC*L	1.7	
13	TMQ	t-Butanol	0.0000	0.0027	0.00	TMQ		
14	TM	Acetonitrile	0.0109	0.0096	12	TM		
15	TMC	Methyl Acetate	0.0643	0.0628	2.4	TMC		
16	TMQ	Iodomethane	0.0445	0.0550	24	TMQ	34	*
17	TML	Acrylonitrile	0.0295	0.0295	0.06	TML	5.1	
18	TMCL	Methylene chloride	0.1439	0.1285	11	TMCL	3.1	
19	TMCL	Carbon disulfide	0.1562	0.1447	7.4	TMCL	5.7	
20	TMCQ	Methyl t-butyl ether (MtBE)	0.0422	0.0390	7.4	TMCQ	6.5	
21	TMCL	Trans-1,2-DCE	0.1274	0.1167	8.4	TMCL	1.1	
22	TM	Diisopropyl Ether	0.2042	0.1833	10	TM		
23	TMC**	1,1-DCA	0.1817	0.1664	8.4	TMC**		
24	TML	Vinyl Acetate	0.0442	0.0477	8.0	TML	21	*
25	TML	Ethyl tert Butyl Ether	0.0000	0.0036	0.00	TML		
26	TMC	MEK (2-Butanone)	0.0307	0.0288	6.0	TMC		
27	TMC	Cis-1,2-DCE	0.1386	0.1275	8.0	TMC		
28	TML	2,2-Dichloropropane	0.1344	0.1074	20	TML	9.5	
29	TMC*	Chloroform	0.2164	0.1943	10	TMC*		
30	TM	Bromochloromethane	0.1020	0.0963	5.5	TM		
31	TMC	1,1,1-TCA	0.1789	0.1598	11	TMC		
32	TMC	Cyclohexane	0.1014	0.0917	9.6	TMC		
33	TM	1,1-Dichloropropene	0.1173	0.1132	3.5	TM		
34	TM	2,2,4-Trimethylpentane	0.0836	0.0757	9.4	TM		
35	TMC	Carbon Tetrachloride	0.1586	0.1411	11	TMC		
36	TM	Tert Amyl Methyl Ether	0.0000	0.0036	0.00	TM		
37	TMC	1,2-DCA	0.1462	0.1301	11	TMC		
38	TMC	Benzene	0.4451	0.4072	8.5	TMC		
39	TMC	TCE	0.1458	0.1355	7.1	TMC		
40	TM	2-Pentanone	0.0483	0.0467	3.4	TM		
		Average			9.9			

VOLATILE ORGANIC ANALYSIS
VOLATILE ORGANIC COMPOUNDS

Form 7

Second Source Calibration

Lab Name: APPL, Inc.
Case No:
Matrix: 0

SDG No:
Date Analyzed: 9/15/2021
Instrument: Loki
Cal. Date: 9/15/2021
Data File: 0915L24.D

		Compound	MEAN	CCRF	%D		%Drift
41	TMC*	1,2-Dichloropropane	0.1146	0.1042	9.0	TMC*	
42	TMC	Bromodichloromethane	0.1624	0.1440	11	TMC	
43	TMC	Methyl Cyclohexane	0.0662	0.0645	2.5	TMC	
44	TML	Dibromomethane	0.1156	0.1140	1.4	TML	5.1
45	TMQ	2-Chloroethyl vinyl ether	0.0000	0.0008	0.00	TMQ	
46	TMC	MIBK (methyl isobutyl ketone)	0.0594	0.0571	4.0	TMC	
47	TM	1-Bromo-2-chloroethane	0.0856	0.0791	7.6	TM	
48	TMC	Cis-1,3-Dichloropropene	0.1528	0.1458	4.6	TMC	
49	TMC*	Toluene	0.4956	0.4837	2.4	TMC*	
50	TMC	Trans-1,3-Dichloropropene	0.0771	0.0731	5.2	TMC	
51	TMC	1,1,2-TCA	0.1312	0.1193	9.1	TMC	
52	TMCQ	2-Hexanone	0.0331	0.0302	8.6	TMCQ	6.8
53	TMC	1,2-EDB	0.1506	0.1384	8.0	TMC	
54	TMCL	Tetrachloroethene	0.1232	0.1047	15	TMCL	8.4
55	TM	1-Chlorohexane	0.1277	0.1166	8.7	TM	
56	TM	1,1,1,2-Tetrachloroethane	0.1692	0.1571	7.1	TM	
57	TMCL	m&p-Xylene	0.3987	0.3922	1.6	TMCL	9.8
58	TMCL	o-Xylene	0.4096	0.3964	3.2	TMCL	8.5
59	TMCL	Styrene	0.3202	0.3146	1.7	TMCL	11
60	TM	1,3-Dichloropropane	0.2090	0.1959	6.3	TM	
61	TMC	Dibromochloromethane	0.1777	0.1531	14	TMC	
62	TMC**	Chlorobenzene	0.4562	0.4152	9.0	TMC**	
63	TMC*	Ethylbenzene	0.3176	0.2838	11	TMC*	
64	TMC**	Bromoform	0.1392	0.1243	11	TMC**	
65	TMC	Isopropylbenzene	0.8249	0.7600	7.9	TMC	
66	TMC**	1,1,2,2-Tetrachloroethane	0.3158	0.2740	13	TMC**	
67	TM	1,2,3-Trichloropropane	0.1031	0.0907	12	TM	
68	TML	t-1,4-Dichloro-2-Butene	0.0259	0.0231	11	TML	4.1
69	TM	Bromobenzene	0.3271	0.3115	4.8	TM	
70	TM	n-Propylbenzene	0.9440	0.9038	4.3	TM	
71	TM	4-Ethyltoluene	0.7875	0.7519	4.5	TM	
72	TM	2-Chlorotoluene	0.7096	0.7096	0.00	TM	
73	TM	1,3,5-Trimethylbenzene	0.7187	0.7059	1.8	TM	
74	TM	4-Chlorotoluene	0.7382	0.7339	0.58	TM	
75	TM	Tert-Butylbenzene	0.6225	0.5947	4.5	TM	
76	TML	1,2,4-Trimethylbenzene	0.6862	0.7150	4.2	TML	1.9
77	TM	Sec-Butylbenzene	0.8355	0.8267	1.1	TM	
78	TML	p-Isopropyltoluene	0.7215	0.7139	1.0	TML	5.6
79	TML	Benzyl Chloride	0.1233	0.0908	26	TML	17
80	TMC	1,3-DCB	0.6093	0.5923	2.8	TMC	
		Average			6.5		

VOLATILE ORGANIC ANALYSIS
VOLATILE ORGANIC COMPOUNDS

Form 7

Second Source Calibration

Lab Name: APPL, Inc.
Case No:
Matrix: 0

SDG No:
Date Analyzed: 9/15/2021
Instrument: Loki
Cal. Date: 9/15/2021
Data File: 0915L24.D

		Compound	MEAN	CCRF	%D		%Drift	
81	TMC	1,4-DCB	0.6496	0.6391	1.6	TMC		
82	TM	n-Butylbenzene	0.5687	0.5749	1.1	TM		
83	TMC	1,2-DCB	0.5995	0.5671	5.4	TMC		
84	TML	Hexachloroethane	0.1946	0.0810	58	TML	53	*
85	TMCL	1,2-Dibromo-3-chloropropane	0.0557	0.0557	0.04	TMCL	8.2	
86	TMCL	1,2,4-Trichlorobenzene	0.1734	0.1856	7.0	TMCL	3.4	
87	TML	Hexachlorobutadiene	0.1194	0.1043	13	TML	0.17	
88	TMQ	Naphthalene	0.4615	0.6668	44	TMQ	52	*
89	TML	1,2,3-Trichlorobenzene	0.1575	0.1851	18	TML	11	
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			16.5			

Quantitation Report (Not Reviewed)

Data File : M:\LOKI\DATA\210915\0915L24.D Vial: 14
Acq On : 15 Sep 21 21:56 Operator:
Sample : (SS) 10ug/L VOC STD 9/15/21 Inst : Loki
Misc : IS&S: 9/1/21 Multiplr: 1.00

Quant Time: Sep 21 11:36 2021 Quant Results File: L0915W.RES

Quant Method : M:\LOKI\DATA\210915\L0915W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Sep 21 11:36:28 2021
Response via : Initial Calibration
DataAcq Meth : 072021_L8260

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene (IS)	6.31	96	402591	25.00	ppb		0.00
56) Chlorobenzene-D5 (IS)	9.78	117	358944	25.00	ppb		0.00
71) 1,4-Dichlorobenzene-D4 (IS	12.34	152	225010	25.00	ppb		0.00
System Monitoring Compounds							
32) Dibromofluoromethane(S)	5.46	113	113814	23.45	ppb		0.00
Spiked Amount 25.000			Recovery = 93.788%				
37) 1,2-DCA-D4(S)	5.88	65	99420	23.22	ppb		0.00
Spiked Amount 25.000			Recovery = 92.884%				
57) Toluene-D8(S)	8.18	98	411988	25.39	ppb		0.00
Spiked Amount 25.000			Recovery = 101.552%				
65) 4-Bromofluorobenzene(S)	11.08	174	158646	25.69	ppb		0.00
Spiked Amount 25.000			Recovery = 102.768%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.08	85	17029	9.42	ppb		99
3) Freon 114	1.18	85	14772	9.14	ppb		84
4) Chloromethane	1.22	50	18521	9.75	ppb		97
5) Vinyl chloride	1.31	62	13809	8.72	ppb		98
6) Bromomethane	1.56	96	12102	11.66	ppb		95
7) Chloroethane	1.66	64	8706	8.00	ppb	#	84
8) Dichlorofluoromethane	1.85	67	23073	8.41	ppb		99
9) Trichlorofluoromethane	1.89	101	13407	8.80	ppb		93
10) Acrolein	2.29	56	15012	109.84	ppb		94
11) Acetone	2.46	43	14816	44.39	ppb		97
12) Freon-113	2.40	101	12964	8.85	ppb		85
13) 1,1-DCE	2.38	61	17116	9.83	ppb		92
15) Acetonitrile	2.76	41	19365	110.05	ppb		93
16) Methyl Acetate	2.84	43	10107	9.76	ppb		91
17) Iodomethane	2.52	142	8865	13.40	ppb		97
18) Acrylonitrile	3.26	53	4747	9.49	ppb	#	81
19) Methylene chloride	2.93	84	20694	10.31	ppb		99
20) Carbon disulfide	2.58	76	23304	10.57	ppb		97
21) Methyl t-butyl ether (MtBE	3.32	73	6287	10.65	ppb		97
22) Trans-1,2-DCE	3.27	61	18792	9.89	ppb		91
23) Diisopropyl Ether	4.09	45	29510	8.98	ppb		100
24) 1,1-DCA	3.88	63	26803	9.16	ppb		97
25) Vinyl Acetate	4.04	43	7676	12.08	ppb	#	62
27) MEK (2-Butanone)	4.86	43	23195	46.98	ppb		87
28) Cis-1,2-DCE	4.77	61	20534	9.20	ppb		93
29) 2,2-Dichloropropane	4.76	77	17291	9.05	ppb		92
30) Chloroform	5.25	83	31296	8.98	ppb		99
31) Bromochloromethane	5.10	130	15515	9.45	ppb		94
33) 1,1,1-TCA	5.45	97	25736	8.93	ppb		94
34) Cyclohexane	5.51	56	14766	9.04	ppb		96
35) 1,1-Dichloropropene	5.68	75	18231	9.65	ppb		97
36) 2,2,4-Trimethylpentane	6.08	57	12198	9.06	ppb		93
38) Carbon Tetrachloride	5.66	119	22725	8.90	ppb		98
40) 1,2-DCA	5.98	62	20955	8.90	ppb		95
41) Benzene	5.94	78	65568	9.15	ppb		100
42) TCE	6.76	130	21817	9.29	ppb		98
43) 2-Pentanone	7.04	43	93955	120.77	ppb		99
44) 1,2-Dichloropropane	7.02	63	16785	9.10	ppb		99
45) Bromodichloromethane	7.36	83	23191	8.87	ppb		99
46) Methyl Cyclohexane	6.97	98	10388	9.75	ppb		91

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

Data File : M:\LOKI\DATA\210915\0915L24.D Vial: 14
Acq On : 15 Sep 21 21:56 Operator:
Sample : (SS) 10ug/L VOC STD 9/15/21 Inst : Loki
Misc : IS&S: 9/1/21 Multiplr: 1.00

Quant Time: Sep 21 11:36 2021 Quant Results File: L0915W.RES

Quant Method : M:\LOKI\DATA\210915\L0915W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Sep 21 11:36:28 2021
Response via : Initial Calibration
DataAcq Meth : 072021_L8260

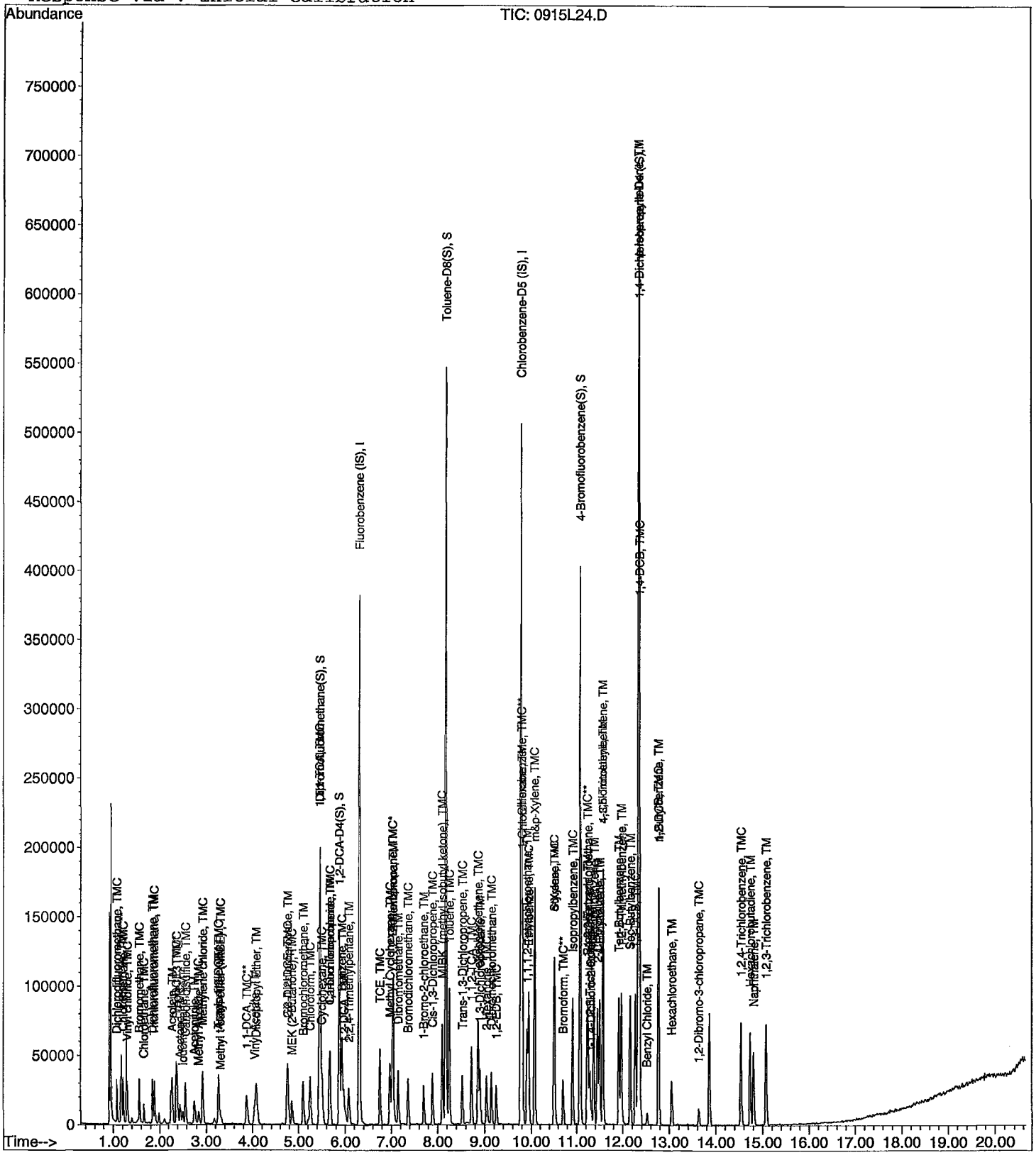
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
47)	Dibromomethane	7.15	174	18355	9.49	ppb		98
49)	MIBK (methyl isobutyl ket	8.11	43	45937	48.01	ppb		97
50)	1-Bromo-2-chloroethane	7.70	63	12743	9.24	ppb		99
51)	Cis-1,3-Dichloropropene	7.89	75	23474	9.54	ppb		99
52)	Toluene	8.26	91	77887	9.76	ppb		94
53)	Trans-1,3-Dichloropropene	8.53	75	11772	9.48	ppb		94
54)	1,1,2-TCA	8.73	97	19209	9.09	ppb		91
55)	2-Hexanone	9.04	43	24351	46.62	ppb		99
58)	1,2-EDB	9.25	107	19878	9.20	ppb	#	80
59)	Tetrachloroethene	8.87	166	15030	9.16	ppb		97
60)	1-Chlorohexane	9.81	91	16745	9.13	ppb		98
61)	1,1,1,2-Tetrachloroethane	9.91	131	22552	9.29	ppb		99
62)	m&p-Xylene	10.08	91	112632	18.05	ppb		99
63)	o-Xylene	10.51	91	56909	9.15	ppb		92
64)	Styrene	10.52	104	45176	8.85	ppb		99
66)	1,3-Dichloropropane	8.90	76	28125	9.37	ppb		93
67)	Dibromochloromethane	9.15	129	21987	8.62	ppb		98
68)	Chlorobenzene	9.81	112	59610	9.10	ppb		98
69)	Ethylbenzene	9.95	91	40744	8.94	ppb		100
70)	Bromoform	10.71	173	17843	8.93	ppb		91
72)	Isopropylbenzene	10.92	105	68402	9.21	ppb		98
73)	1,1,2,2-Tetrachloroethane	11.25	83	24661	8.68	ppb		97
74)	1,2,3-Trichloropropane	11.29	110	8160	8.80	ppb		100
75)	t-1,4-Dichloro-2-Butene	11.32	53	2078	9.59	ppb	#	60
76)	Bromobenzene	11.23	158	28039	9.52	ppb		91
77)	n-Propylbenzene	11.37	91	81345	9.57	ppb		99
78)	4-Ethyltoluene	11.50	105	67678	9.55	ppb		97
79)	2-Chlorotoluene	11.45	91	63870	10.00	ppb		97
80)	1,3,5-Trimethylbenzene	11.57	105	63536	9.82	ppb		99
81)	4-Chlorotoluene	11.57	91	66058	9.94	ppb		95
82)	Tert-Butylbenzene	11.92	119	53526	9.55	ppb		98
83)	1,2,4-Trimethylbenzene	11.97	105	64349	9.81	ppb		99
84)	Sec-Butylbenzene	12.16	105	74402	9.89	ppb		97
85)	p-Isopropyltoluene	12.32	119	64256	9.44	ppb		95
86)	Benzyl Chloride	12.52	91	8168	8.34	ppb		89
87)	1,3-DCB	12.27	146	53309	9.72	ppb		96
88)	1,4-DCB	12.37	146	57518	9.84	ppb		99
89)	n-Butylbenzene	12.77	91	51739	10.11	ppb		100
90)	1,2-DCB	12.78	146	51041	9.46	ppb		97
91)	Hexachloroethane	13.05	117	7286	4.69	ppb		97
92)	1,2-Dibromo-3-chloropropan	13.63	157	5010	9.18	ppb	#	79
93)	1,2,4-Trichlorobenzene	14.54	180	16704	10.34	ppb		99
94)	Hexachlorobutadiene	14.74	225	9390	10.02	ppb		95
95)	Naphthalene	14.81	128	60012	15.18	ppb		99
96)	1,2,3-Trichlorobenzene	15.07	182	16664	11.13	ppb		99

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

Data File : M:\LOKI\DATA\210915\0915L24.D Vial: 14
Acq On : 15 Sep 21 21:56 Operator:
Sample : (SS) 10ug/L VOC STD 9/15/21 Inst : Loki
Misc : IS&S: 9/1/21 Multiplr: 1.00

Quant Time: Sep 21 11:36 2021 Quant Results File: L0915W.RES

Method : M:\LOKI\DATA\210915\L0915W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Sep 21 11:31:19 2021
Response via : Initial Calibration



VOLATILE ORGANIC ANALYSIS
VOLATILE ORGANIC COMPOUNDS

Form 7

Continuing Calibration

Lab Name: APPL, Inc.
Case No:
Matrix: 0

SDG No:
Date Analyzed: 9/20/2021
Instrument: Loki
Cal. Date: 9/15/2021
Data File: 0920L29.D

		Compound	MEAN	CCRF	%D		%Drift	
41	TMC	Benzene	0.4451	0.4393	1.3	TMC		
42	TMC	TCE	0.1458	0.1362	6.6	TMC		
43	TM	2-Pentanone	0.0483	0.0667	38	TM		*
44	TMC*	1,2-Dichloropropane	0.1146	0.1213	5.9	TMC*		
45	TMC	Bromodichloromethane	0.1624	0.1742	7.3	TMC		
46	TMC	Methyl Cyclohexane	0.0662	0.0549	17	TMC		
47	TML	Dibromomethane	0.1156	0.1222	5.7	TML	1.8	
48	TMQ	2-Chloroethyl vinyl ether	0.0000	0.0005	0.00	TMQ		
49	TMC	MIBK (methyl isobutyl ketone)	0.0594	0.0783	32	TMC		*
50	TM	1-Bromo-2-chloroethane	0.0856	0.0885	3.4	TM		
51	TMC	Cis-1,3-Dichloropropene	0.1528	0.1525	0.20	TMC		
52	TMC*	Toluene	0.4956	0.4751	4.1	TMC*		
53	TMC	Trans-1,3-Dichloropropene	0.0771	0.0817	6.0	TMC		
54	TMC	1,1,2-TCA	0.1312	0.1251	4.7	TMC		
55	TMCQ	2-Hexanone	0.0331	0.0417	26	TMCQ	20	
56	I	Chlorobenzene-D5 (IS)	ISTD			I		
57	S	Toluene-D8(S)	1.130	1.209	7.0	S		
58	TMC	1,2-EDB	0.1506	0.1522	1.1	TMC		
59	TMCL	Tetrachloroethene	0.1232	0.1093	11	TMCL	4.3	
60	TM	1-Chlorohexane	0.1277	0.1203	5.8	TM		
61	TM	1,1,1,2-Tetrachloroethane	0.1692	0.1692	0.03	TM		
62	TMCL	m&p-Xylene	0.3987	0.3932	1.4	TMCL	9.6	
63	TMCL	o-Xylene	0.4096	0.3923	4.2	TMCL	9.2	
64	TMCL	Styrene	0.3202	0.2988	6.7	TMCL	15	
65	S	4-Bromofluorobenzene(S)	0.4301	0.4307	0.14	S		
66	TM	1,3-Dichloropropane	0.2090	0.2261	8.2	TM		
67	TMC	Dibromochloromethane	0.1777	0.1825	2.7	TMC		
68	TMC**	Chlorobenzene	0.4562	0.4299	5.8	TMC**		
69	TMC*	Ethylbenzene	0.3176	0.2992	5.8	TMC*		
70	TMC**	Bromoform	0.1392	0.1416	1.8	TMC**		
71	I	1,4-Dichlorobenzene-D4 (IS)	ISTD			I		
72	TMC	Isopropylbenzene	0.8249	0.7395	10	TMC		
73	TMC**	1,1,2,2-Tetrachloroethane	0.3158	0.3251	2.9	TMC**		
74	TM	1,2,3-Trichloropropane	0.1031	0.1173	14	TM		
75	TML	t-1,4-Dichloro-2-Butene	0.0259	0.0353	36	TML	31	*
76	TM	Bromobenzene	0.3271	0.3099	5.2	TM		
77	TM	n-Propylbenzene	0.9440	0.9068	3.9	TM		
78	TM	4-Ethyltoluene	0.7875	0.7289	7.4	TM		
79	TM	2-Chlorotoluene	0.7096	0.7382	4.0	TM		
80	TM	1,3,5-Trimethylbenzene	0.7187	0.6995	2.7	TM		
		Average			8.1			

VOLATILE ORGANIC ANALYSIS
VOLATILE ORGANIC COMPOUNDS

Form 7

Continuing Calibration

Lab Name: APPL, Inc.
Case No:
Matrix: 0

SDG No:
Date Analyzed: 9/20/2021
Instrument: Loki
Cal. Date: 9/15/2021
Data File: 0920L29.D

		Compound	MEAN	CCRF	%D		%Drift
81	TM	4-Chlorotoluene	0.7382	0.7380	0.03	TM	
82	TM	Tert-Butylbenzene	0.6225	0.5856	5.9	TM	
83	TML	1,2,4-Trimethylbenzene	0.6862	0.6361	7.3	TML	11
84	TM	Sec-Butylbenzene	0.8355	0.7899	5.5	TM	
85	TML	p-Isopropyltoluene	0.7215	0.6439	11	TML	13
86	TML	Benzyl Chloride	0.1233	0.1305	5.8	TML	11
87	TMC	1,3-DCB	0.6093	0.5925	2.8	TMC	
88	TMC	1,4-DCB	0.6496	0.6620	1.9	TMC	
89	TM	n-Butylbenzene	0.5687	0.5363	5.7	TM	
90	TMC	1,2-DCB	0.5995	0.5748	4.1	TMC	
91	TML	Hexachloroethane	0.1946	0.1795	7.8	TML	7.6
92	TMCL	1,2-Dibromo-3-chloropropane	0.0557	0.0582	4.6	TMCL	4.5
93	TMCL	1,2,4-Trichlorobenzene	0.1734	0.1546	11	TMCL	10
94	TML	Hexachlorobutadiene	0.1194	0.1006	16	TML	3.1
95	TMQ	Naphthalene	0.4615	0.3965	14	TMQ	9.8
96	TML	1,2,3-Trichlorobenzene	0.1575	0.1280	19	TML	16
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			7.7		

Data File : M:\LOKI\DATA\210915\0920L30.D Vial: 30
Acq On : 20 Sep 21 21:32 Operator:
Sample : 210920B LCS 10ug/L Inst : Loki
Misc : IS&S: 9/1/21 Multiplr: 1.00

Quant Time: Sep 21 11:43 2021 Quant Results File: L0915W.RES

Quant Method : M:\LOKI\DATA\210915\L0915W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Sep 21 11:31:19 2021
Response via : Initial Calibration
DataAcq Meth : 072021_L8260

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene (IS)	6.31	96	257306	25.00	ppb		0.00
56) Chlorobenzene-D5 (IS)	9.78	117	212518	25.00	ppb		0.00
71) 1,4-Dichlorobenzene-D4 (IS	12.34	152	132061	25.00	ppb		0.00
System Monitoring Compounds							
32) Dibromofluoromethane(S)	5.46	113	80204	25.85	ppb		0.00
Spiked Amount 25.000			Recovery = 103.408%				
37) 1,2-DCA-D4(S)	5.88	65	83437	30.49	ppb		0.00
Spiked Amount 25.000			Recovery = 121.968%				
57) Toluene-D8(S)	8.18	98	254885	26.53	ppb		0.00
Spiked Amount 25.000			Recovery = 106.116%				
65) 4-Bromofluorobenzene(S)	11.08	174	102515	28.04	ppb		0.00
Spiked Amount 25.000			Recovery = 112.164%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.08	85	12970	11.22	ppb		97
3) Freon 114	1.18	85	11626	11.25	ppb		92
4) Chloromethane	1.22	50	16877	14.12	ppb		96
5) Vinyl chloride	1.31	62	14170	14.00	ppb		98
6) Bromomethane	1.56	96	13594	22.80	ppb		95
7) Chloroethane	1.66	64	9565	14.30	ppb		91
8) Dichlorofluoromethane	1.84	67	27083	15.44	ppb		99
9) Trichlorofluoromethane	1.88	101	14733	15.23	ppb		95
10) Acrolein	2.29	56	12033	137.76	ppb		97
11) Acetone	2.46	43	23899	116.50	ppb		82
12) Freon-113	2.40	101	12025	12.84	ppb		87
13) 1,1-DCE	2.37	61	18070	16.41	ppb		90
15) Acetonitrile	2.76	41	25881	230.14	ppb		98
16) Methyl Acetate	2.84	43	10200	15.41	ppb	#	74
17) Iodomethane	2.51	142	8068	18.27	ppb		88
18) Acrylonitrile	3.25	53	4280	12.92	ppb		94
19) Methylene chloride	2.92	84	15872	12.87	ppb	#	79
20) Carbon disulfide	2.57	76	18864	13.50	ppb		96
21) Methyl t-butyl ether (MtBE	3.32	73	7466	19.58	ppb	#	91
22) Trans-1,2-DCE	3.27	61	14827	12.20	ppb		77
23) Diisopropyl Ether	4.08	45	25973	12.36	ppb	#	85
24) 1,1-DCA	3.88	63	22925	12.26	ppb		90
25) Vinyl Acetate	4.08	43	6418	15.75	ppb		100
27) MEK (2-Butanone)	4.86	43	24101	76.38	ppb		96
28) Cis-1,2-DCE	4.77	61	16663	11.68	ppb		90
29) 2,2-Dichloropropane	4.75	77	15960	13.22	ppb		88
30) Chloroform	5.25	83	24833	11.15	ppb		99
31) Bromochloromethane	5.10	130	11052	10.53	ppb		85
33) 1,1,1-TCA	5.45	97	20041	10.88	ppb	#	81
34) Cyclohexane	5.50	56	10373	9.94	ppb		84
35) 1,1-Dichloropropene	5.68	75	12030	9.97	ppb		97
36) 2,2,4-Trimethylpentane	6.09	57	8628	10.03	ppb	#	89
38) Carbon Tetrachloride	5.66	119	17267	10.58	ppb		92
40) 1,2-DCA	5.97	62	19650	13.05	ppb		91
41) Benzene	5.93	78	45188	9.86	ppb		100
42) TCE	6.76	130	14105	9.40	ppb		95
43) 2-Pentanone	7.04	43	89074	179.14	ppb		88
44) 1,2-Dichloropropane	7.02	63	12779	10.84	ppb		97
45) Bromodichloromethane	7.37	83	17625	10.54	ppb		93
46) Methyl Cyclohexane	6.97	98	5870	8.62	ppb		79

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

Data File : M:\LOKI\DATA\210915\0920L30.D Vial: 30
Acq On : 20 Sep 21 21:32 Operator:
Sample : 210920B LCS 10ug/L Inst : Loki
Misc : IS&S: 9/1/21 Multiplr: 1.00

Quant Time: Sep 21 11:43 2021 Quant Results File: L0915W.RES

Quant Method : M:\LOKI\DATA\210915\L0915W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Sep 21 11:31:19 2021
Response via : Initial Calibration
DataAcq Meth : 072021_L8260

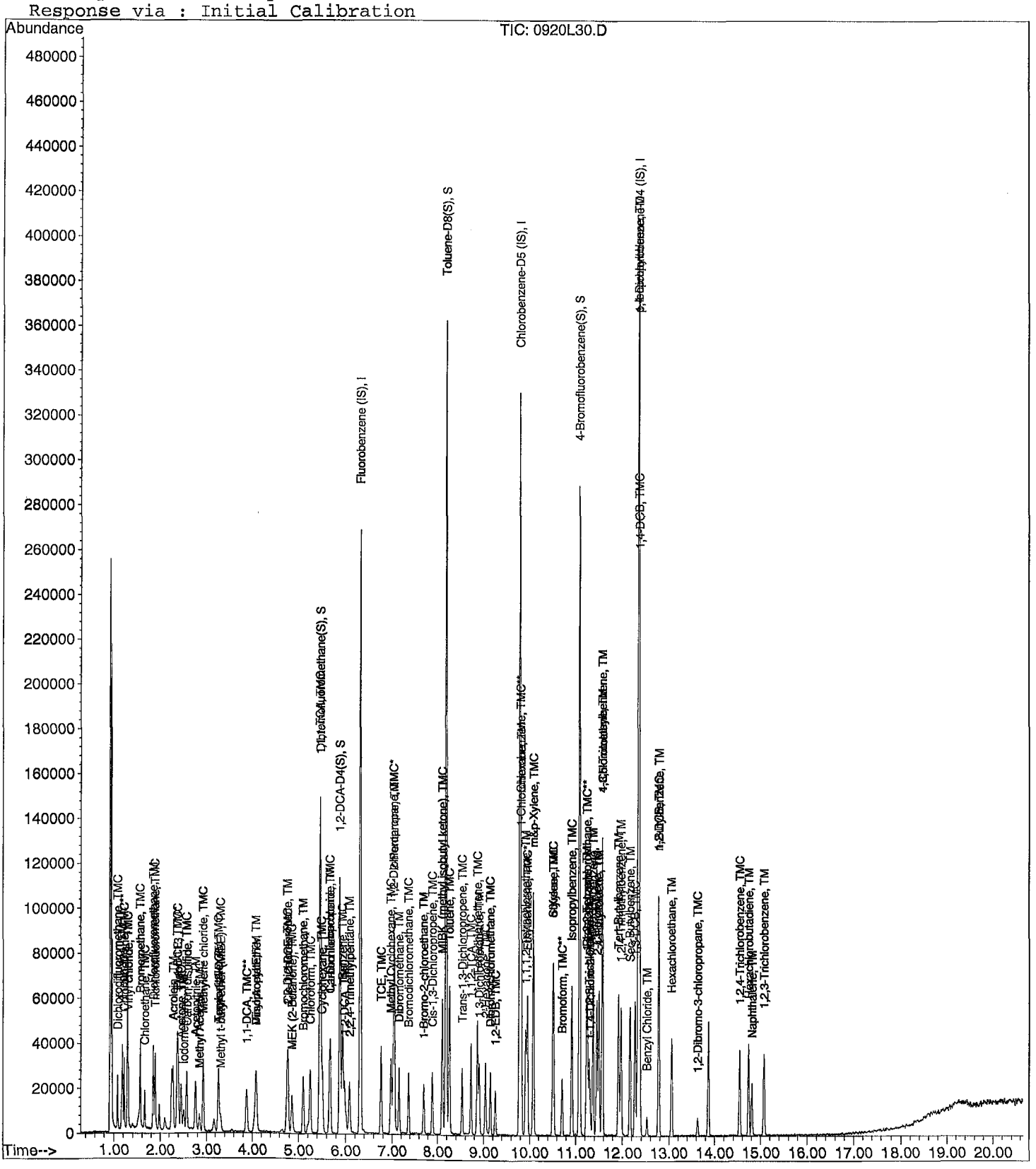
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
47)	Dibromomethane	7.15	174	12168	9.85	ppb		96
49)	MIBK (methyl isobutyl ket	8.10	43	40143	65.64	ppb	#	90
50)	1-Bromo-2-chloroethane	7.70	63	9527	10.81	ppb		95
51)	Cis-1,3-Dichloropropene	7.89	75	15565	9.90	ppb	#	80
52)	Toluene	8.25	91	50812	9.96	ppb		90
53)	Trans-1,3-Dichloropropene	8.53	75	9057	11.41	ppb	#	92
54)	1,1,2-TCA	8.72	97	13171	9.75	ppb		89
55)	2-Hexanone	9.04	43	21431	59.69	ppb		87
58)	1,2-EDB	9.25	107	12876	10.06	ppb		88
59)	Tetrachloroethene	8.87	166	9679	9.98	ppb		99
60)	1-Chlorohexane	9.81	91	10606	9.77	ppb	#	78
61)	1,1,1,2-Tetrachloroethane	9.91	131	14789	10.28	ppb		98
62)	m&p-Xylene	10.08	91	66984	18.12	ppb		97
63)	o-Xylene	10.51	91	33099	9.02	ppb		97
64)	Styrene	10.52	104	25854	8.63	ppb		100
66)	1,3-Dichloropropane	8.90	76	19139	10.77	ppb		88
67)	Dibromochloromethane	9.14	129	15100	10.00	ppb		98
68)	Chlorobenzene	9.81	112	36772	9.48	ppb		96
69)	Ethylbenzene	9.95	91	25576	9.47	ppb		96
70)	Bromoform	10.71	173	12756	10.78	ppb		99
72)	Isopropylbenzene	10.92	105	45861	10.52	ppb		99
73)	1,1,2,2-Tetrachloroethane	11.25	83	18362	11.01	ppb		97
74)	1,2,3-Trichloropropane	11.29	110	6651	12.22	ppb		99
75)	t-1,4-Dichloro-2-Butene	11.31	53	2375	15.88	ppb		88
76)	Bromobenzene	11.23	158	18592	10.76	ppb		89
77)	n-Propylbenzene	11.37	91	56813	11.39	ppb		98
78)	4-Ethyltoluene	11.50	105	45252	10.88	ppb		93
79)	2-Chlorotoluene	11.45	91	43491	11.60	ppb		95
80)	1,3,5-Trimethylbenzene	11.57	105	44161	11.63	ppb		97
81)	4-Chlorotoluene	11.57	91	47042	12.06	ppb		98
82)	Tert-Butylbenzene	11.92	119	33071	10.06	ppb		96
83)	1,2,4-Trimethylbenzene	11.97	105	35015	9.21	ppb		97
84)	Sec-Butylbenzene	12.16	105	43442	9.84	ppb		92
85)	p-Isopropyltoluene	12.33	119	35848	9.07	ppb		97
86)	Benzyl Chloride	12.52	91	7430	11.80	ppb		100
87)	1,3-DCB	12.27	146	31509	9.79	ppb		96
88)	1,4-DCB	12.37	146	34345	10.01	ppb		99
89)	n-Butylbenzene	12.77	91	29724	9.89	ppb		99
90)	1,2-DCB	12.78	146	29854	9.43	ppb		96
91)	Hexachloroethane	13.05	117	9470	10.75	ppb		94
92)	1,2-Dibromo-3-chloropropan	13.63	157	2705	8.54	ppb	#	66
93)	1,2,4-Trichlorobenzene	14.54	180	8079	8.91	ppb		86
94)	Hexachlorobutadiene	14.74	225	5439	9.90	ppb		98
95)	Naphthalene	14.81	128	23910	10.12	ppb		97
96)	1,2,3-Trichlorobenzene	15.07	182	6655	8.35	ppb		93

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

Data File : M:\LOKI\DATA\210915\0920L30.D Vial: 30
Acq On : 20 Sep 21 21:32 Operator:
Sample : 210920B LCS 10ug/L Inst : Loki
Misc : IS&S: 9/1/21 Multiplr: 1.00

Quant Time: Sep 21 11:43 2021 Quant Results File: L0915W.RES

Method : M:\LOKI\DATA\210915\L0915W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Sep 21 11:31:19 2021
Response via : Initial Calibration



VOLATILE ORGANIC ANALYSIS
VOLATILE ORGANIC COMPOUNDS

Form 7

Ending Continuing Calibration

Lab Name: APPL, Inc.
Case No:
Matrix: 0

SDG No:
Date Analyzed: 9/21/2021
Instrument: Loki
Cal. Date: 9/15/2021
Data File: 0920L45.D

		Compound	MEAN	CCRF	%D		%Drift
41	TMC	Benzene	0.4451	0.4520	1.5	TMC	
42	TMC	TCE	0.1458	0.1563	7.2	TMC	
43	TM	2-Pentanone	0.0483	0.0686	42	TM	
44	TMC*	1,2-Dichloropropane	0.1146	0.1246	8.7	TMC*	
45	TMC	Bromodichloromethane	0.1624	0.1803	11	TMC	
46	TMC	Methyl Cyclohexane	0.0662	0.0601	9.2	TMC	
47	TML	Dibromomethane	0.1156	0.1157	0.07	TML	3.7
48	TMQ	2-Chloroethyl vinyl ether	0.0000	0.0005	0.00	TMQ	
49	TMC	MIBK (methyl isobutyl ketone)	0.0594	0.0817	38	TMC	
50	TM	1-Bromo-2-chloroethane	0.0856	0.0863	0.78	TM	
51	TMC	Cis-1,3-Dichloropropene	0.1528	0.1492	2.3	TMC	
52	TMC*	Toluene	0.4956	0.4907	0.98	TMC*	
53	TMC	Trans-1,3-Dichloropropene	0.0771	0.0763	1.1	TMC	
54	TMC	1,1,2-TCA	0.1312	0.1243	5.3	TMC	
55	TMCQ	2-Hexanone	0.0331	0.0421	27	TMCQ	20
56	I	Chlorobenzene-D5 (IS)	ISTD			I	
57	S	Toluene-D8(S)	1.130	1.202	6.4	S	
58	TMC	1,2-EDB	0.1506	0.1589	5.5	TMC	
59	TMCL	Tetrachloroethene	0.1232	0.1224	0.59	TMCL	7.5
60	TM	1-Chlorohexane	0.1277	0.1242	2.7	TM	
61	TM	1,1,1,2-Tetrachloroethane	0.1692	0.1731	2.3	TM	
62	TMCL	m&p-Xylene	0.3987	0.4004	0.43	TMCL	8.2
63	TMCL	o-Xylene	0.4096	0.4058	0.93	TMCL	6.7
64	TMCL	Styrene	0.3202	0.3176	0.81	TMCL	11
65	S	4-Bromofluorobenzene(S)	0.4301	0.4156	3.4	S	
66	TM	1,3-Dichloropropane	0.2090	0.2315	11	TM	
67	TMC	Dibromochloromethane	0.1777	0.1814	2.1	TMC	
68	TMC**	Chlorobenzene	0.4562	0.4418	3.2	TMC**	
69	TMC*	Ethylbenzene	0.3176	0.3167	0.27	TMC*	
70	TMC**	Bromoform	0.1392	0.1373	1.3	TMC**	
71	I	1,4-Dichlorobenzene-D4 (IS)	ISTD			I	
72	TMC	Isopropylbenzene	0.8249	0.7749	6.1	TMC	
73	TMC**	1,1,2,2-Tetrachloroethane	0.3158	0.2799	11	TMC**	
74	TM	1,2,3-Trichloropropane	0.1031	0.1073	4.1	TM	
75	TML	t-1,4-Dichloro-2-Butene	0.0259	0.0323	25	TML	22
76	TM	Bromobenzene	0.3271	0.3118	4.7	TM	
77	TM	n-Propylbenzene	0.9440	0.9245	2.1	TM	
78	TM	4-Ethyltoluene	0.7875	0.7522	4.5	TM	
79	TM	2-Chlorotoluene	0.7096	0.7098	0.02	TM	
80	TM	1,3,5-Trimethylbenzene	0.7187	0.6976	2.9	TM	
		Average			6.7		

VOLATILE ORGANIC ANALYSIS
VOLATILE ORGANIC COMPOUNDS

Form 7

Ending Continuing Calibration

Lab Name: APPL, Inc.
Case No:
Matrix: 0

SDG No:
Date Analyzed: 9/21/2021
Instrument: Loki
Cal. Date: 9/15/2021
Data File: 0920L45.D

		Compound	MEAN	CCRF	%D		%Drift
81	TM	4-Chlorotoluene	0.7382	0.7501	1.6	TM	
82	TM	Tert-Butylbenzene	0.6225	0.5959	4.3	TM	
83	TML	1,2,4-Trimethylbenzene	0.6862	0.6360	7.3	TML	11
84	TM	Sec-Butylbenzene	0.8355	0.7947	4.9	TM	
85	TML	p-Isopropyltoluene	0.7215	0.6985	3.2	TML	7.2
86	TML	Benzyl Chloride	0.1233	0.1094	11	TML	3.7
87	TMC	1,3-DCB	0.6093	0.5876	3.6	TMC	
88	TMC	1,4-DCB	0.6496	0.6591	1.5	TMC	
89	TM	n-Butylbenzene	0.5687	0.5679	0.14	TM	
90	TMC	1,2-DCB	0.5995	0.5553	7.4	TMC	
91	TML	Hexachloroethane	0.1946	0.1818	6.6	TML	9.0
92	TMCL	1,2-Dibromo-3-chloropropane	0.0557	0.0635	14	TMCL	3.1
93	TMCL	1,2,4-Trichlorobenzene	0.1734	0.1479	15	TMCL	13
94	TML	Hexachlorobutadiene	0.1194	0.0936	22	TML	9.3
95	TMQ	Naphthalene	0.4615	0.4527	1.9	TMQ	1.2
96	TML	1,2,3-Trichlorobenzene	0.1575	0.1461	7.2	TML	7.1
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			7.0		

Data File : M:\LOKI\DATA\210915\0920L45.D Vial: 45
Acq On : 21 Sep 21 4:24 Operator:
Sample : Ending CCV 10ug/L 9/20/21 Inst : Loki
Misc : IS&S: 9/1/21 Multiplr: 1.00

Quant Time: Sep 21 11:44 2021 Quant Results File: L0915W.RES

Quant Method : M:\LOKI\DATA\210915\L0915W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Sep 21 11:31:19 2021
Response via : Initial Calibration
DataAcq Meth : 072021_L8260

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene (IS)	6.31	96	247014	25.00	ppb		0.00
56) Chlorobenzene-D5 (IS)	9.78	117	197033	25.00	ppb		0.00
71) 1,4-Dichlorobenzene-D4 (IS	12.34	152	123623	25.00	ppb		0.00
System Monitoring Compounds							
32) Dibromofluoromethane(S)	5.46	113	77349	25.97	ppb		0.00
Spiked Amount 25.000			Recovery = 103.884%				
37) 1,2-DCA-D4(S)	5.88	65	82320	31.34	ppb		0.00
Spiked Amount 25.000			Recovery = 125.348%				
57) Toluene-D8(S)	8.18	98	236868	26.59	ppb		0.00
Spiked Amount 25.000			Recovery = 106.368%				
65) 4-Bromofluorobenzene(S)	11.08	174	81889	24.16	ppb		0.00
Spiked Amount 25.000			Recovery = 96.636%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.08	85	13009	11.73	ppb		98
3) Freon 114	1.18	85	10794	10.88	ppb		91
4) Chloromethane	1.22	50	16654	14.52	ppb		99
5) Vinyl chloride	1.31	62	14267	14.69	ppb		91
6) Bromomethane	1.57	96	12856	22.41	ppb		95
7) Chloroethane	1.66	64	10636	16.82	ppb		92
8) Dichlorofluoromethane	1.84	67	25900	15.38	ppb		99
9) Trichlorofluoromethane	1.88	101	14279	15.37	ppb		100
10) Acrolein	2.29	56	9061	108.06	ppb		99
11) Acetone	2.47	43	23350	118.62	ppb		85
12) Freon-113	2.40	101	13148	14.62	ppb		89
13) 1,1-DCE	2.38	61	17960	17.00	ppb		93
15) Acetonitrile	2.78	41	25029	231.83	ppb		94
16) Methyl Acetate	2.84	43	9301	14.64	ppb		89
17) Iodomethane	2.52	142	6895	16.51	ppb		98
18) Acrylonitrile	3.26	53	4111	12.93	ppb		96
19) Methylene chloride	2.92	84	14605	12.23	ppb	#	83
20) Carbon disulfide	2.57	76	17448	12.99	ppb		97
21) Methyl t-butyl ether (MtBE	3.31	73	6353	17.50	ppb		90
22) Trans-1,2-DCE	3.27	61	14898	12.76	ppb		87
23) Diisopropyl Ether	4.08	45	25851	12.82	ppb		88
24) 1,1-DCA	3.88	63	23388	13.03	ppb		100
25) Vinyl Acetate	4.09	43	6051	15.47	ppb	#	95
27) MEK (2-Butanone)	4.87	43	21759	71.84	ppb		97
28) Cis-1,2-DCE	4.77	61	16025	11.70	ppb		87
29) 2,2-Dichloropropane	4.76	77	13833	11.90	ppb		99
30) Chloroform	5.25	83	26205	12.26	ppb		99
31) Bromochloromethane	5.10	130	10296	10.22	ppb	#	80
33) 1,1,1-TCA	5.45	97	21346	12.07	ppb		85
34) Cyclohexane	5.51	56	11114	11.09	ppb		82
35) 1,1-Dichloropropene	5.68	75	11563	9.98	ppb		94
36) 2,2,4-Trimethylpentane	6.08	57	7783	9.42	ppb	#	89
38) Carbon Tetrachloride	5.66	119	16949	10.82	ppb		91
40) 1,2-DCA	5.98	62	18953	13.12	ppb		98
41) Benzene	5.93	78	44657	10.15	ppb		96
42) TCE	6.76	130	15439	10.72	ppb		97
43) 2-Pentanone	7.05	43	84681	177.40	ppb		90
44) 1,2-Dichloropropane	7.02	63	12312	10.87	ppb		96
45) Bromodichloromethane	7.37	83	17812	11.10	ppb		95
46) Methyl Cyclohexane	6.97	98	5937	9.08	ppb		96

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

Data File : M:\LOKI\DATA\210915\0920L45.D Vial: 45
Acq On : 21 Sep 21 4:24 Operator:
Sample : Ending CCV 10ug/L 9/20/21 Inst : Loki
Misc : IS&S: 9/1/21 Multiplr: 1.00

Quant Time: Sep 21 11:44 2021 Quant Results File: L0915W.RES

Quant Method : M:\LOKI\DATA\210915\L0915W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Sep 21 11:31:19 2021
Response via : Initial Calibration
DataAcq Meth : 072021_L8260

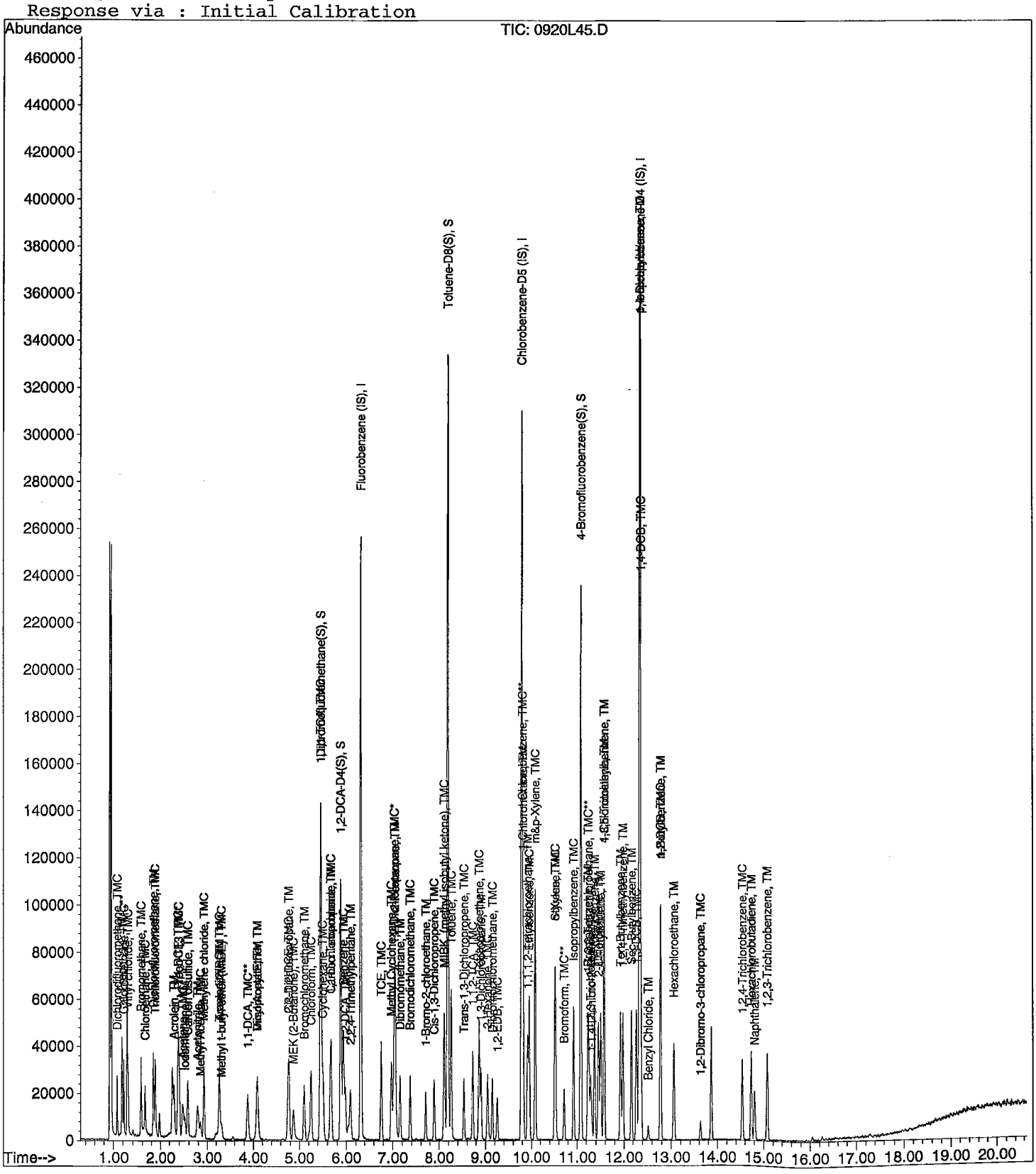
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
47)	Dibromomethane	7.15	174	11427	9.63	ppb		93
49)	MIBK (methyl isobutyl ket	8.11	43	40365	68.75	ppb		90
50)	1-Bromo-2-chloroethane	7.70	63	8527	10.08	ppb		94
51)	Cis-1,3-Dichloropropene	7.89	75	14742	9.77	ppb	#	84
52)	Toluene	8.25	91	48486	9.90	ppb		100
53)	Trans-1,3-Dichloropropene	8.53	75	7538	9.89	ppb	#	80
54)	1,1,2-TCA	8.72	97	12282	9.47	ppb		90
55)	2-Hexanone	9.04	43	20814	60.21	ppb		93
58)	1,2-EDB	9.25	107	12521	10.55	ppb		94
59)	Tetrachloroethene	8.87	166	9650	10.75	ppb		99
60)	1-Chlorohexane	9.82	91	9787	9.73	ppb	#	80
61)	1,1,1,2-Tetrachloroethane	9.91	131	13643	10.23	ppb		97
62)	m&p-Xylene	10.08	91	63113	18.36	ppb		97
63)	o-Xylene	10.51	91	31981	9.33	ppb		92
64)	Styrene	10.52	104	25030	8.92	ppb		100
66)	1,3-Dichloropropane	8.90	76	18249	11.08	ppb		90
67)	Dibromochloromethane	9.15	129	14298	10.21	ppb		95
68)	Chlorobenzene	9.81	112	34823	9.68	ppb		96
69)	Ethylbenzene	9.95	91	24960	9.97	ppb		94
70)	Bromoform	10.71	173	10822	9.87	ppb		99
72)	Isopropylbenzene	10.92	105	38317	9.39	ppb		93
73)	1,1,2,2-Tetrachloroethane	11.25	83	13839	8.86	ppb		95
74)	1,2,3-Trichloropropane	11.29	110	5306	10.41	ppb		93
75)	t-1,4-Dichloro-2-Butene	11.31	53	1596	12.23	ppb		80
76)	Bromobenzene	11.23	158	15420	9.53	ppb		87
77)	n-Propylbenzene	11.37	91	45717	9.79	ppb		97
78)	4-Ethyltoluene	11.50	105	37196	9.55	ppb		100
79)	2-Chlorotoluene	11.45	91	35099	10.00	ppb		99
80)	1,3,5-Trimethylbenzene	11.57	105	34498	9.71	ppb		95
81)	4-Chlorotoluene	11.57	91	37094	10.16	ppb		98
82)	Tert-Butylbenzene	11.92	119	29468	9.57	ppb		97
83)	1,2,4-Trimethylbenzene	11.97	105	31451	8.90	ppb		99
84)	Sec-Butylbenzene	12.16	105	39299	9.51	ppb		99
85)	p-Isopropyltoluene	12.33	119	34540	9.28	ppb		93
86)	Benzyl Chloride	12.52	91	5409	9.63	ppb		95
87)	1,3-DCB	12.27	146	29058	9.64	ppb		97
88)	1,4-DCB	12.37	146	32592	10.15	ppb		97
89)	n-Butylbenzene	12.77	91	28083	9.99	ppb		100
90)	1,2-DCB	12.77	146	27457	9.26	ppb		95
91)	Hexachloroethane	13.05	117	8989	10.90	ppb		92
92)	1,2-Dibromo-3-chloropropan	13.63	157	3141	10.31	ppb		92
93)	1,2,4-Trichlorobenzene	14.54	180	7312	8.69	ppb		97
94)	Hexachlorobutadiene	14.74	225	4626	9.07	ppb		88
95)	Naphthalene	14.81	128	22387	10.12	ppb		99
96)	1,2,3-Trichlorobenzene	15.08	182	7225	9.29	ppb		85

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

Data File : M:\LOKI\DATA\210915\0920L45.D Vial: 45
Acq On : 21 Sep 21 4:24 Operator:
Sample : Ending CCV 10ug/L 9/20/21 Inst : Loki
Misc : IS&S: 9/1/21 Multiplr: 1.00

Quant Time: Sep 21 11:44 2021 Quant Results File: L0915W.RES

Method : M:\LOKI\DATA\210915\L0915W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Sep 21 11:31:19 2021
Response via : Initial Calibration



ORGANICS
Raw Data

Data File : M:\LOKI\DATA\210915\0920L36.D Vial: 36
Acq On : 21 Sep 21 00:17 Operator:
Sample : BA40208W02 Inst : Loki
Misc : IS&S: 9/1/21 Multiplr: 1.00

Quant Time: Oct 30 10:05 2021 Quant Results File: L0915W.RES

Quant Method : M:\LOKI\DATA\210915\L0915W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Sep 21 11:31:19 2021
Response via : Initial Calibration
DataAcq Meth : 072021_L8260

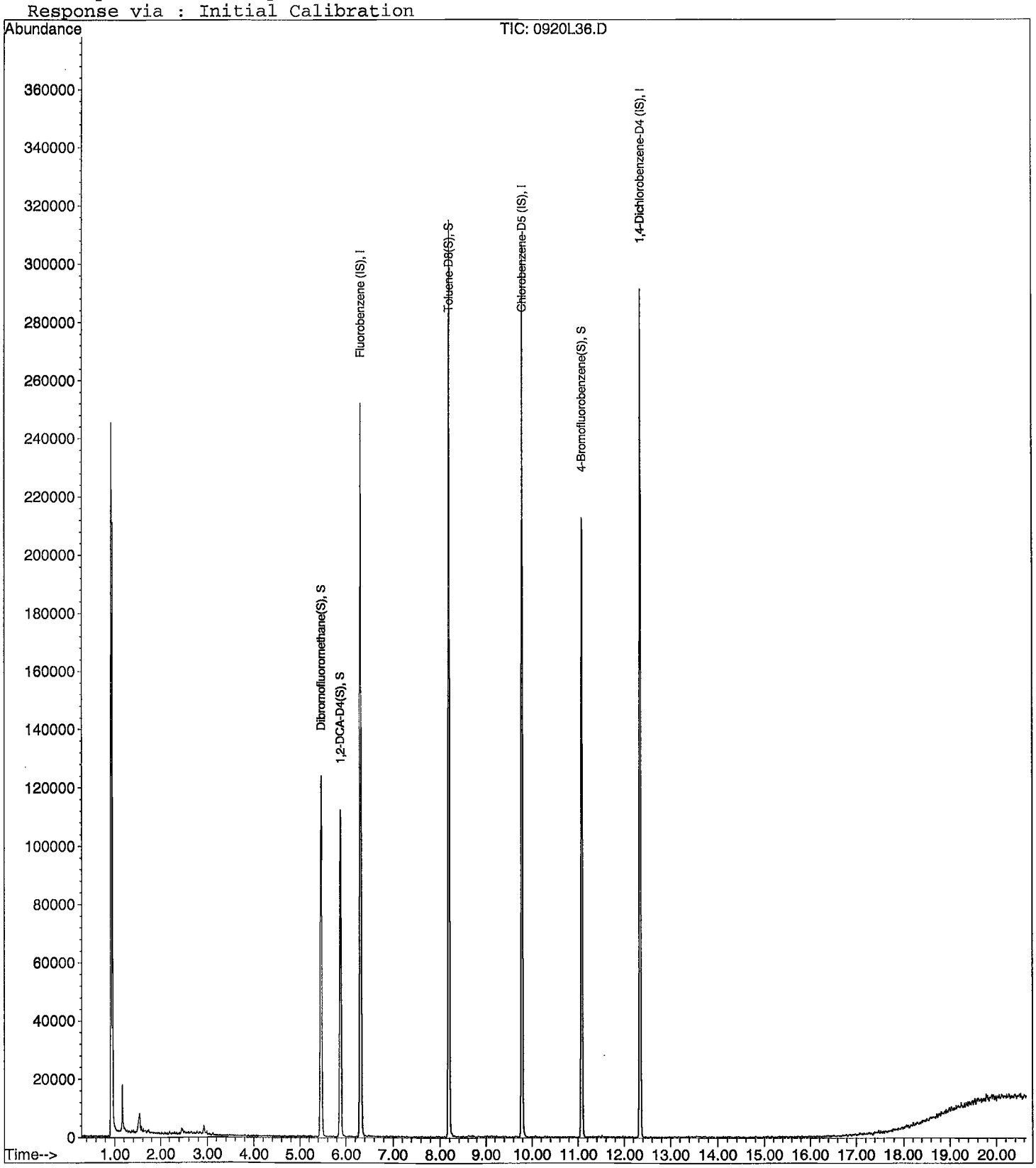
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.31	96	240855	25.00	ppb	0.00
56) Chlorobenzene-D5 (IS)	9.78	117	199336	25.00	ppb	0.00
71) 1,4-Dichlorobenzene-D4 (IS	12.34	152	97969	25.00	ppb	0.00
System Monitoring Compounds						
32) Dibromofluoromethane(S)	5.46	113	78066	26.88	ppb	0.00
Spiked Amount 25.000			Recovery =	107.528%		
37) 1,2-DCA-D4(S)	5.88	65	83062	32.43	ppb	0.00
Spiked Amount 25.000			Recovery =	129.712%		
57) Toluene-D8(S)	8.18	98	221199	24.55	ppb	0.00
Spiked Amount 25.000			Recovery =	98.184%		
65) 4-Bromofluorobenzene(S)	11.08	174	74736	21.79	ppb	0.00
Spiked Amount 25.000			Recovery =	87.176%		
Target Compounds						Qvalue

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

Data File : M:\LOKI\DATA\210915\0920L36.D Vial: 36
Acq On : 21 Sep 21 00:17 Operator:
Sample : BA40208W02 Inst : Loki
Misc : IS&S: 9/1/21 Multiplr: 1.00

Quant Time: Oct 30 10:05 2021 Quant Results File: L0915W.RES

Method : M:\LOKI\DATA\210915\L0915W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Sep 21 11:31:19 2021
Response via : Initial Calibration



Data File : M:\LOKI\DATA\210915\0920L37.D Vial: 37
Acq On : 21 Sep 21 00:44 Operator:
Sample : BA40209W02 Inst : Loki
Misc : IS&S: 9/1/21 Multiplr: 1.00

Quant Time: Oct 30 10:06 2021 Quant Results File: L0915W.RES

Quant Method : M:\LOKI\DATA\210915\L0915W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Sep 21 11:31:19 2021
Response via : Initial Calibration
DataAcq Meth : 072021_L8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.31	96	240649	25.00	ppb	0.00
56) Chlorobenzene-D5 (IS)	9.78	117	195718	25.00	ppb	0.00
71) 1,4-Dichlorobenzene-D4 (IS	12.34	152	109922	25.00	ppb	0.00
System Monitoring Compounds						
32) Dibromofluoromethane(S)	5.46	113	79906	27.54	ppb	0.00
Spiked Amount 25.000			Recovery = 110.156%			
37) 1,2-DCA-D4(S)	5.88	65	84925	33.18	ppb	0.00
Spiked Amount 25.000			Recovery = 132.736%			
57) Toluene-D8(S)	8.18	98	220678	24.94	ppb	0.00
Spiked Amount 25.000			Recovery = 99.764%			
65) 4-Bromofluorobenzene(S)	11.08	174	72139	21.43	ppb	0.00
Spiked Amount 25.000			Recovery = 85.704%			

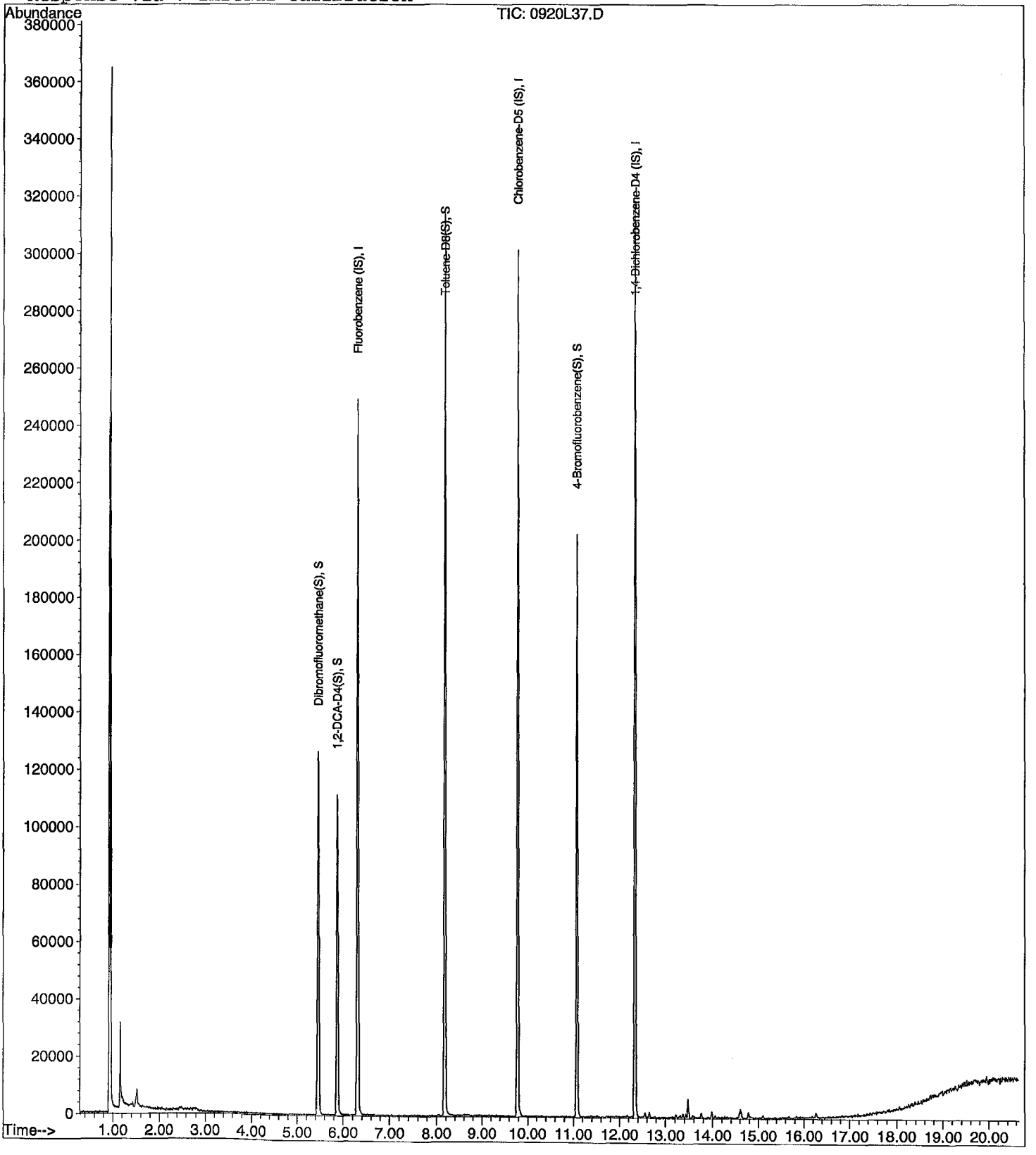
Target Compounds Qvalue

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

Data File : M:\LOKI\DATA\210915\0920L37.D Vial: 37
Acq On : 21 Sep 21 00:44 Operator:
Sample : BA40209W02 Inst : Loki
Misc : IS&S: 9/1/21 Multiplr: 1.00

Quant Time: Oct 30 10:06 2021 Quant Results File: L0915W.RES

Method : M:\LOKI\DATA\210915\L0915W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Sep 21 11:31:19 2021
Response via : Initial Calibration



Data File : M:\LOKI\DATA\210915\0920L38.D Vial: 38
Acq On : 21 Sep 21 1:12 Operator:
Sample : BA40210W01 Inst : Loki
Misc : IS&S: 9/1/21 Multiplr: 1.00

Quant Time: Oct 30 10:06 2021 Quant Results File: L0915W.RES

Quant Method : M:\LOKI\DATA\210915\L0915W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Sep 21 11:31:19 2021
Response via : Initial Calibration
DataAcq Meth : 072021_L8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.31	96	239702	25.00	ppb	0.00
56) Chlorobenzene-D5 (IS)	9.78	117	200385	25.00	ppb	0.00
71) 1,4-Dichlorobenzene-D4 (IS	12.34	152	100194	25.00	ppb	0.00
System Monitoring Compounds						
32) Dibromofluoromethane(S)	5.46	113	80913	28.00	ppb	0.00
Spiked Amount 25.000			Recovery = 111.984%			
37) 1,2-DCA-D4(S)	5.88	65	84703	33.23	ppb	0.00
Spiked Amount 25.000			Recovery = 132.912%			
57) Toluene-D8(S)	8.18	98	219525	24.23	ppb	0.00
Spiked Amount 25.000			Recovery = 96.928%			
65) 4-Bromofluorobenzene(S)	11.08	174	73889	21.43	ppb	0.00
Spiked Amount 25.000			Recovery = 85.740%			

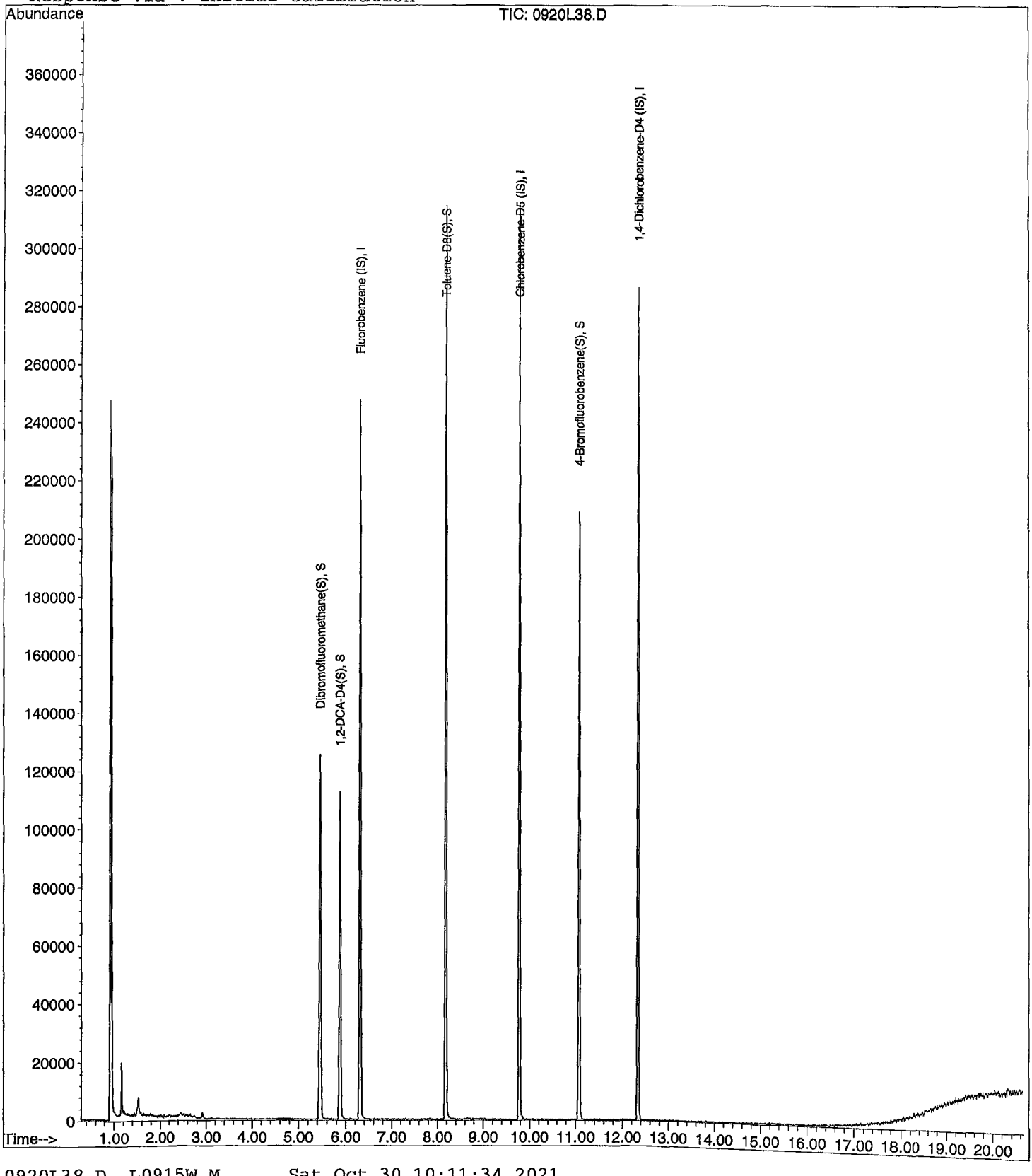
Target Compounds Qvalue

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

Data File : M:\LOKI\DATA\210915\0920L38.D Vial: 38
Acq On : 21 Sep 21 1:12 Operator:
Sample : BA40210W01 Inst : Loki
Misc : IS&S: 9/1/21 Multiplr: 1.00

Quant Time: Oct 30 10:06 2021 Quant Results File: L0915W.RES

Method : M:\LOKI\DATA\210915\L0915W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Sep 21 11:31:19 2021
Response via : Initial Calibration



Data File : M:\LOKI\DATA\210915\0920L39.D Vial: 39
Acq On : 21 Sep 21 1:39 Operator:
Sample : BA40211W02 Inst : Loki
Misc : IS&S: 9/1/21 Multiplr: 1.00

Quant Time: Oct 30 10:07 2021 Quant Results File: L0915W.RES

Quant Method : M:\LOKI\DATA\210915\L0915W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Sep 21 11:31:19 2021
Response via : Initial Calibration
DataAcq Meth : 072021_L8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.31	96	254577	25.00	ppb	0.00
56) Chlorobenzene-D5 (IS)	9.78	117	208196	25.00	ppb	0.00
71) 1,4-Dichlorobenzene-D4 (IS	12.34	152	127702	25.00	ppb	0.00
System Monitoring Compounds						
32) Dibromofluoromethane(S)	5.46	113	81951	26.70	ppb	0.00
Spiked Amount 25.000			Recovery = 106.796%			
37) 1,2-DCA-D4(S)	5.88	65	87616	32.36	ppb	0.00
Spiked Amount 25.000			Recovery = 129.448%			
57) Toluene-D8(S)	8.18	98	227671	24.19	ppb	0.00
Spiked Amount 25.000			Recovery = 96.756%			
65) 4-Bromofluorobenzene(S)	11.08	174	91858	25.65	ppb	0.00
Spiked Amount 25.000			Recovery = 102.592%			

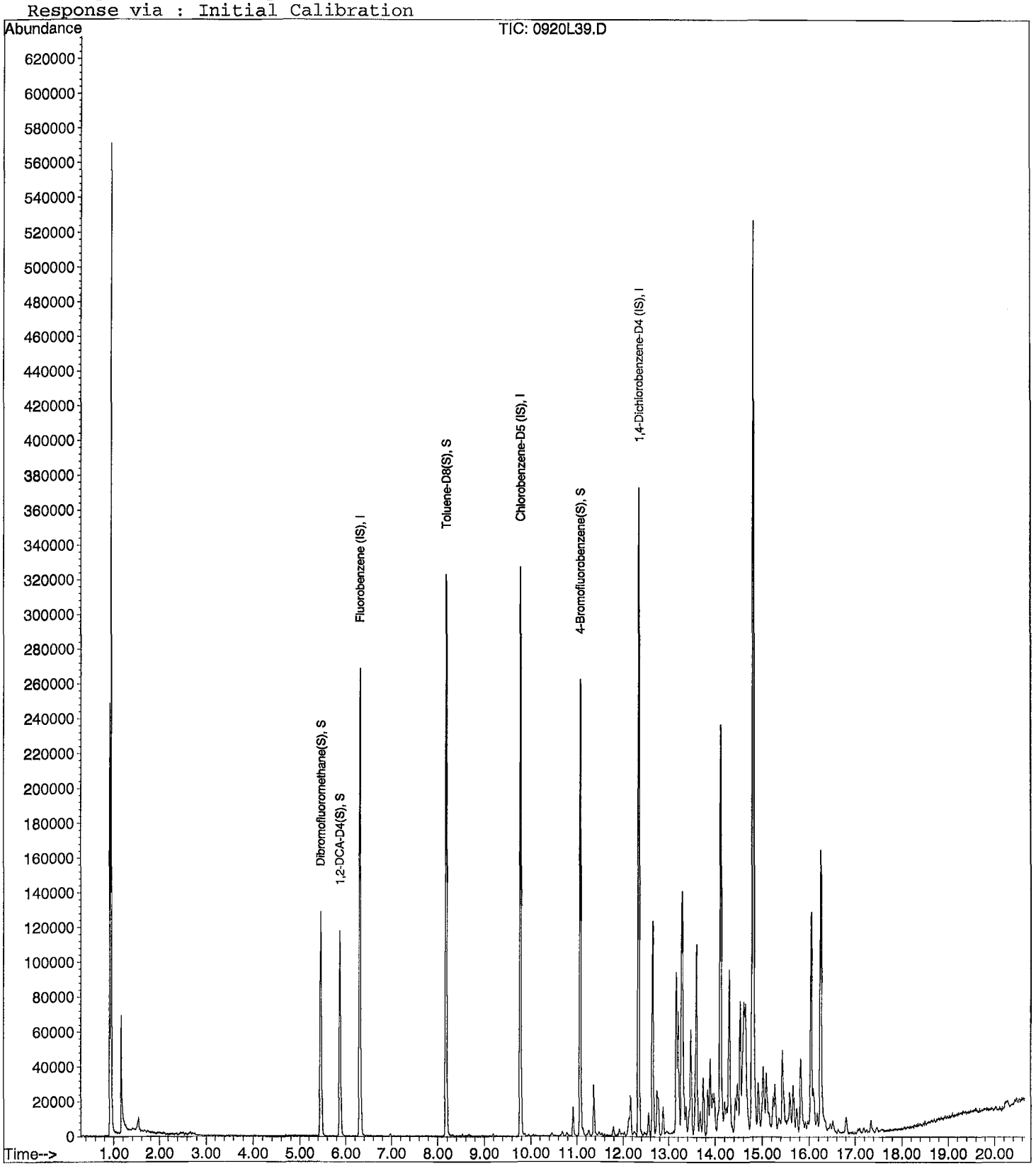
Target Compounds Qvalue

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

Data File : M:\LOKI\DATA\210915\0920L39.D Vial: 39
Acq On : 21 Sep 21 1:39 Operator:
Sample : BA40211W02 Inst : Loki
Misc : IS&S: 9/1/21 Multiplr: 1.00

Quant Time: Oct 30 10:07 2021 Quant Results File: L0915W.RES

Method : M:\LOKI\DATA\210915\L0915W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Sep 21 11:31:19 2021
Response via : Initial Calibration



Data File : M:\LOKI\DATA\210915\0920L40.D Vial: 40
Acq On : 21 Sep 21 2:06 Operator:
Sample : BA40212W02 Inst : Loki
Misc : IS&S: 9/1/21 Multiplr: 1.00

Quant Time: Oct 30 10:08 2021 Quant Results File: L0915W.RES

Quant Method : M:\LOKI\DATA\210915\L0915W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Sep 21 11:31:19 2021
Response via : Initial Calibration
DataAcq Meth : 072021_L8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.31	96	241103	25.00	ppb	0.00
56) Chlorobenzene-D5 (IS)	9.78	117	197255	25.00	ppb	0.00
71) 1,4-Dichlorobenzene-D4 (IS	12.34	152	101078	25.00	ppb	0.00
System Monitoring Compounds						
32) Dibromofluoromethane(S)	5.46	113	78701	27.07	ppb	0.00
Spiked Amount 25.000			Recovery = 108.292%			
37) 1,2-DCA-D4(S)	5.88	65	82337	32.11	ppb	0.00
Spiked Amount 25.000			Recovery = 128.448%			
57) Toluene-D8(S)	8.18	98	218237	24.47	ppb	0.00
Spiked Amount 25.000			Recovery = 97.888%			
65) 4-Bromofluorobenzene(S)	11.08	174	74881	22.07	ppb	0.00
Spiked Amount 25.000			Recovery = 88.268%			

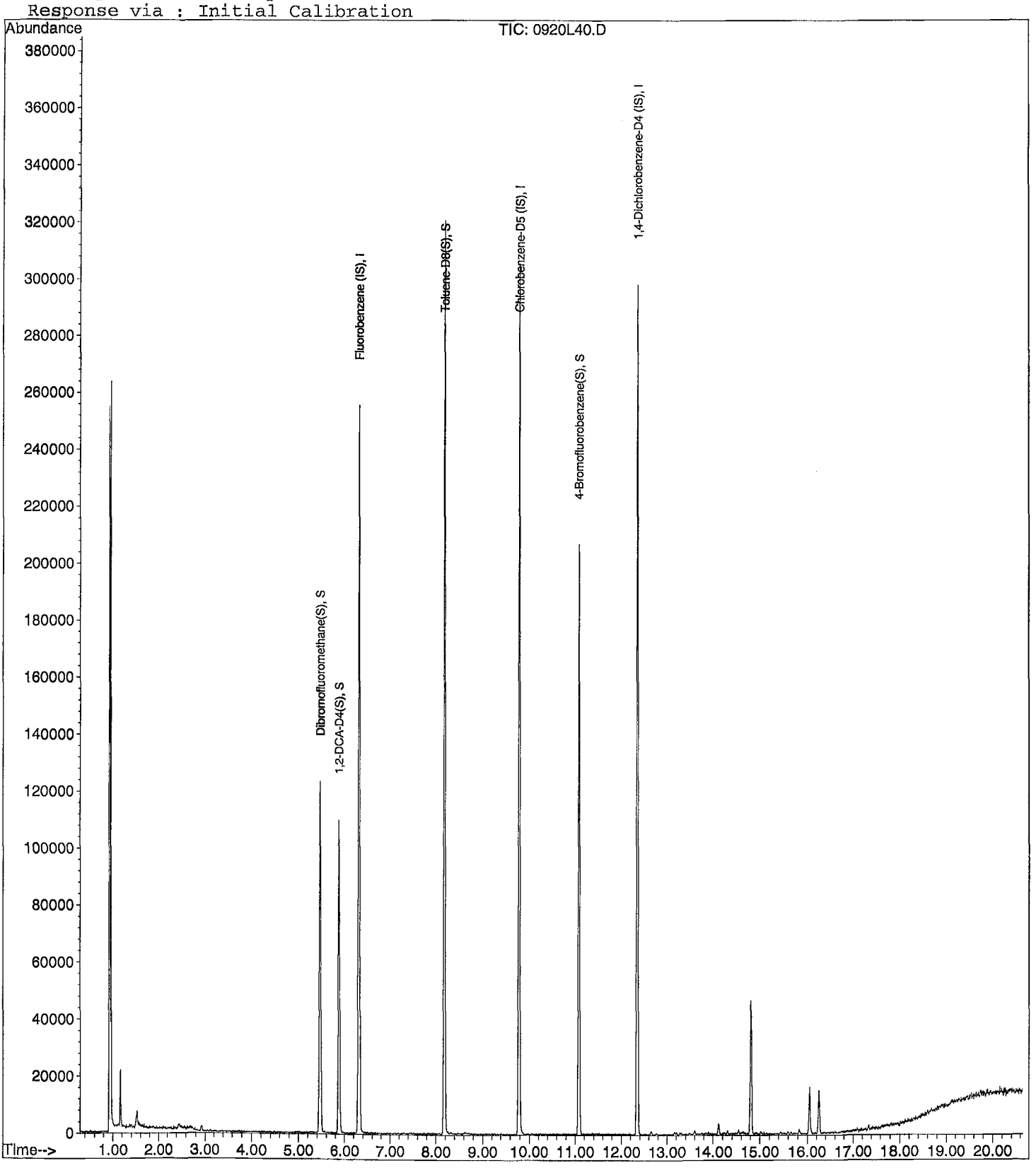
Target Compounds Qvalue

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

Data File : M:\LOKI\DATA\210915\0920L40.D Vial: 40
Acq On : 21 Sep 21 2:06 Operator:
Sample : BA40212W02 Inst : Loki
Misc : IS&S: 9/1/21 Multiplr: 1.00

Quant Time: Oct 30 10:08 2021 Quant Results File: L0915W.RES

Method : M:\LOKI\DATA\210915\L0915W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Sep 21 11:31:19 2021
Response via : Initial Calibration



Data File : M:\LOKI\DATA\210915\0920L41.D Vial: 41
Acq On : 21 Sep 21 2:34 Operator:
Sample : BA40213W02 Inst : Loki
Misc : IS&S: 9/1/21 Multiplr: 1.00

Quant Time: Oct 30 10:09 2021 Quant Results File: L0915W.RES

Quant Method : M:\LOKI\DATA\210915\L0915W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Sep 21 11:31:19 2021
Response via : Initial Calibration
DataAcq Meth : 072021_L8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.31	96	241664	25.00	ppb	0.00
56) Chlorobenzene-D5 (IS)	9.78	117	197665	25.00	ppb	0.00
71) 1,4-Dichlorobenzene-D4 (IS	12.34	152	100562	25.00	ppb	0.00
System Monitoring Compounds						
32) Dibromofluoromethane(S)	5.46	113	78566	26.96	ppb	0.00
Spiked Amount 25.000			Recovery = 107.852%			
37) 1,2-DCA-D4(S)	5.88	65	82921	32.26	ppb	0.00
Spiked Amount 25.000			Recovery = 129.060%			
57) Toluene-D8(S)	8.18	98	218205	24.42	ppb	0.00
Spiked Amount 25.000			Recovery = 97.672%			
65) 4-Bromofluorobenzene(S)	11.08	174	72274	21.25	ppb	0.00
Spiked Amount 25.000			Recovery = 85.020%			

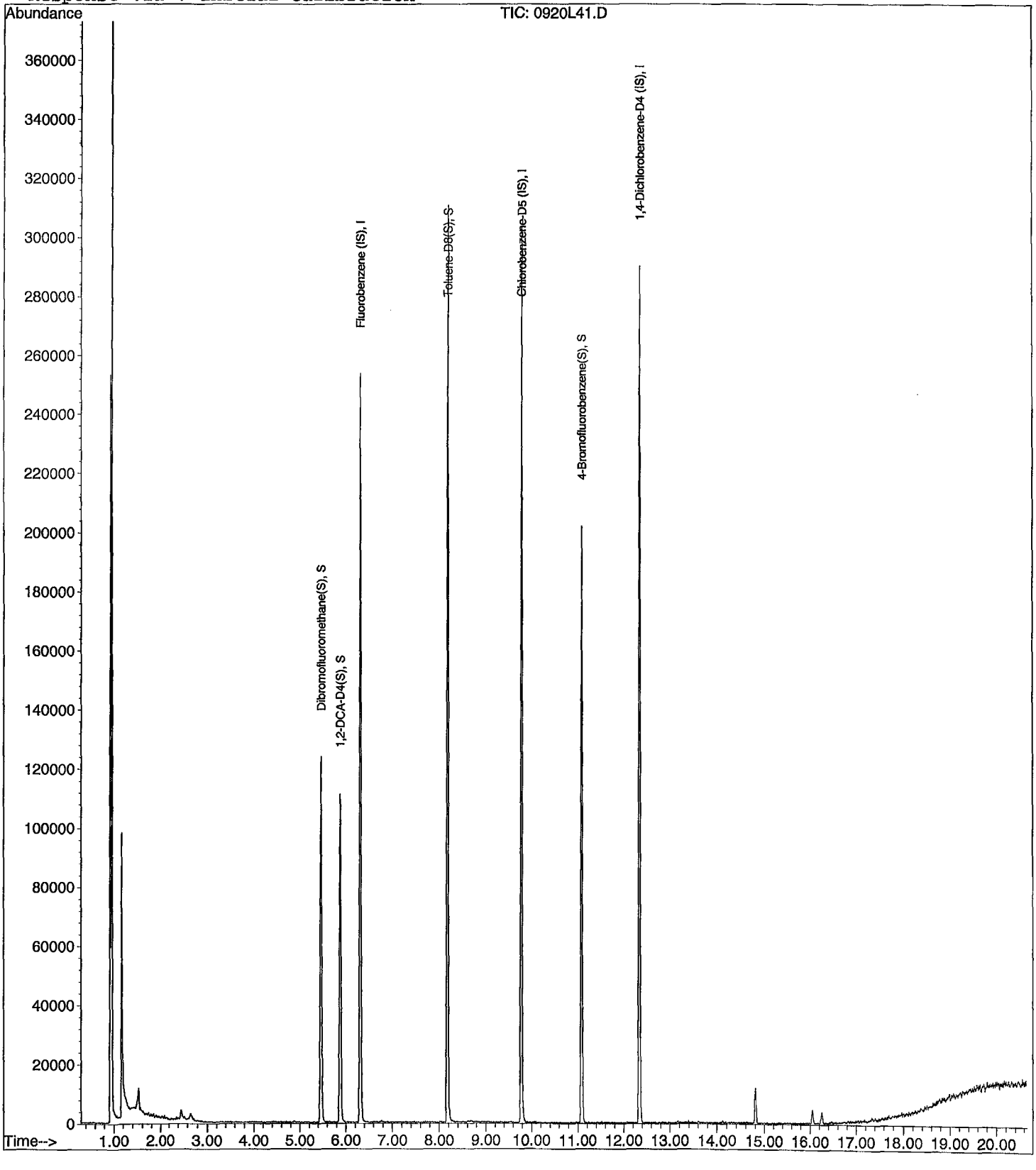
Target Compounds Qvalue

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

Data File : M:\LOKI\DATA\210915\0920L41.D Vial: 41
Acq On : 21 Sep 21 2:34 Operator:
Sample : BA40213W02 Inst : Loki
Misc : IS&S: 9/1/21 Multiplr: 1.00

Quant Time: Oct 30 10:09 2021 Quant Results File: L0915W.RES

Method : M:\LOKI\DATA\210915\L0915W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Sep 21 11:31:19 2021
Response via : Initial Calibration



Data File : M:\LOKI\DATA\210915\0920L42.D Vial: 42
Acq On : 21 Sep 21 3:01 Operator:
Sample : BA40214W02 Inst : Loki
Misc : IS&S: 9/1/21 Multiplr: 1.00

Quant Time: Oct 30 10:09 2021 Quant Results File: L0915W.RES

Quant Method : M:\LOKI\DATA\210915\L0915W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Sep 21 11:31:19 2021
Response via : Initial Calibration
DataAcq Meth : 072021_L8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.31	96	237704	25.00	ppb	0.00
56) Chlorobenzene-D5 (IS)	9.78	117	195938	25.00	ppb	0.00
71) 1,4-Dichlorobenzene-D4 (IS	12.34	152	98059	25.00	ppb	0.00
System Monitoring Compounds						
32) Dibromofluoromethane(S)	5.46	113	77063	26.89	ppb	0.00
Spiked Amount 25.000			Recovery = 107.552%			
37) 1,2-DCA-D4(S)	5.88	65	80079	31.68	ppb	0.00
Spiked Amount 25.000			Recovery = 126.712%			
57) Toluene-D8(S)	8.18	98	214745	24.24	ppb	0.00
Spiked Amount 25.000			Recovery = 96.972%			
65) 4-Bromofluorobenzene(S)	11.08	174	72689	21.57	ppb	0.00
Spiked Amount 25.000			Recovery = 86.260%			

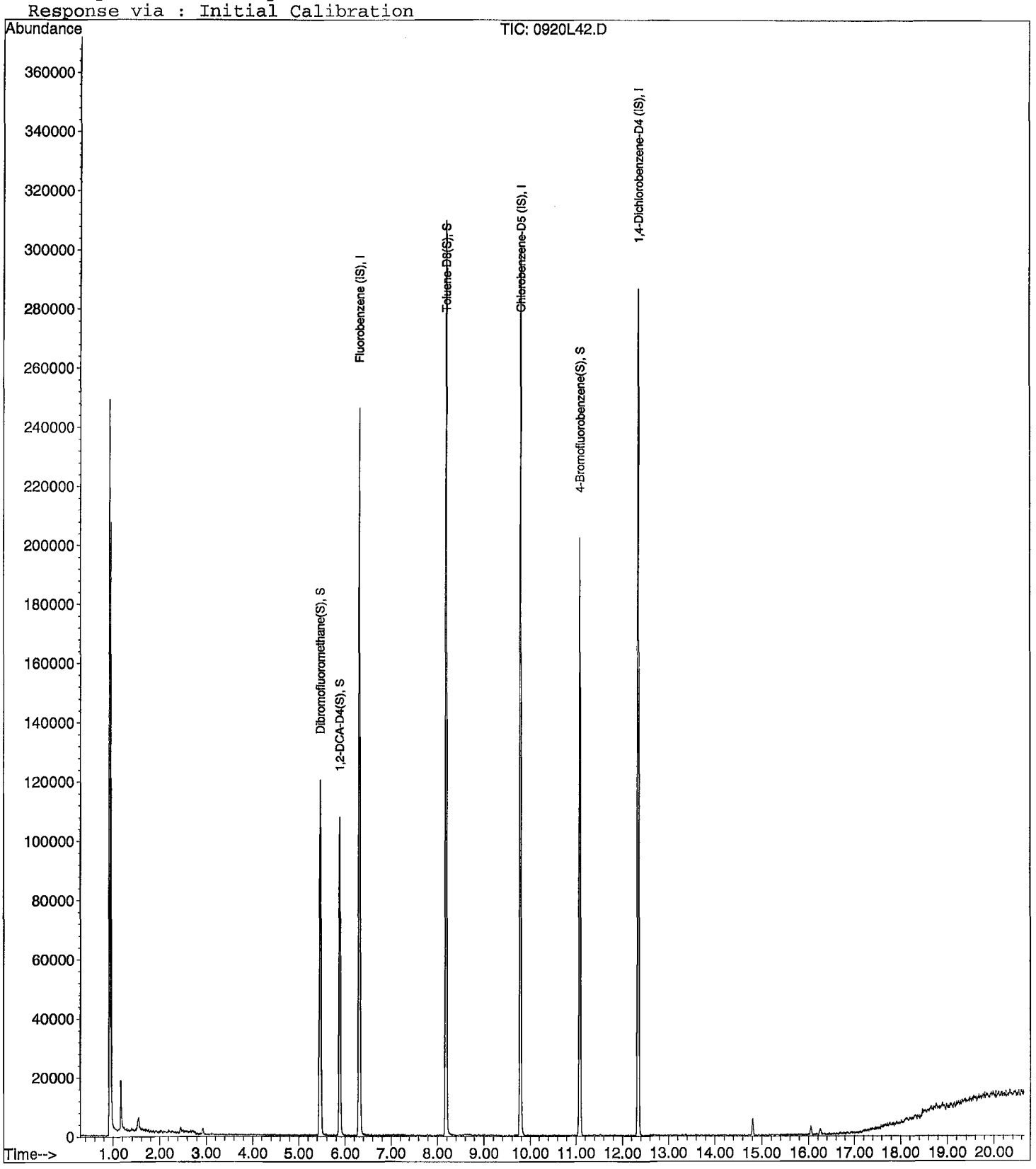
Target Compounds Qvalue

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

Data File : M:\LOKI\DATA\210915\0920L42.D Vial: 42
Acq On : 21 Sep 21 3:01 Operator:
Sample : BA40214W02 Inst : Loki
Misc : IS&S: 9/1/21 Multiplr: 1.00

Quant Time: Oct 30 10:09 2021 Quant Results File: L0915W.RES

Method : M:\LOKI\DATA\210915\L0915W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Sep 21 11:31:19 2021
Response via : Initial Calibration



Data File : M:\LOKI\DATA\210915\0920L43.D Vial: 43
Acq On : 21 Sep 21 3:29 Operator:
Sample : BA40215W02 Inst : Loki
Misc : IS&S: 9/1/21 Multiplr: 1.00

Quant Time: Oct 30 10:10 2021 Quant Results File: L0915W.RES

Quant Method : M:\LOKI\DATA\210915\L0915W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Sep 21 11:31:19 2021
Response via : Initial Calibration
DataAcq Meth : 072021_L8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.31	96	232164	25.00	ppb	0.00
56) Chlorobenzene-D5 (IS)	9.78	117	187467	25.00	ppb	0.00
71) 1,4-Dichlorobenzene-D4 (IS	12.34	152	96939	25.00	ppb	0.00
System Monitoring Compounds						
32) Dibromofluoromethane(S)	5.46	113	78502	28.04	ppb	0.00
Spiked Amount 25.000			Recovery = 112.176%			
37) 1,2-DCA-D4(S)	5.88	65	82688	33.49	ppb	0.00
Spiked Amount 25.000			Recovery = 133.964%			
57) Toluene-D8(S)	8.18	98	209240	24.69	ppb	0.00
Spiked Amount 25.000			Recovery = 98.756%			
65) 4-Bromofluorobenzene(S)	11.08	174	71124	22.05	ppb	0.00
Spiked Amount 25.000			Recovery = 88.216%			

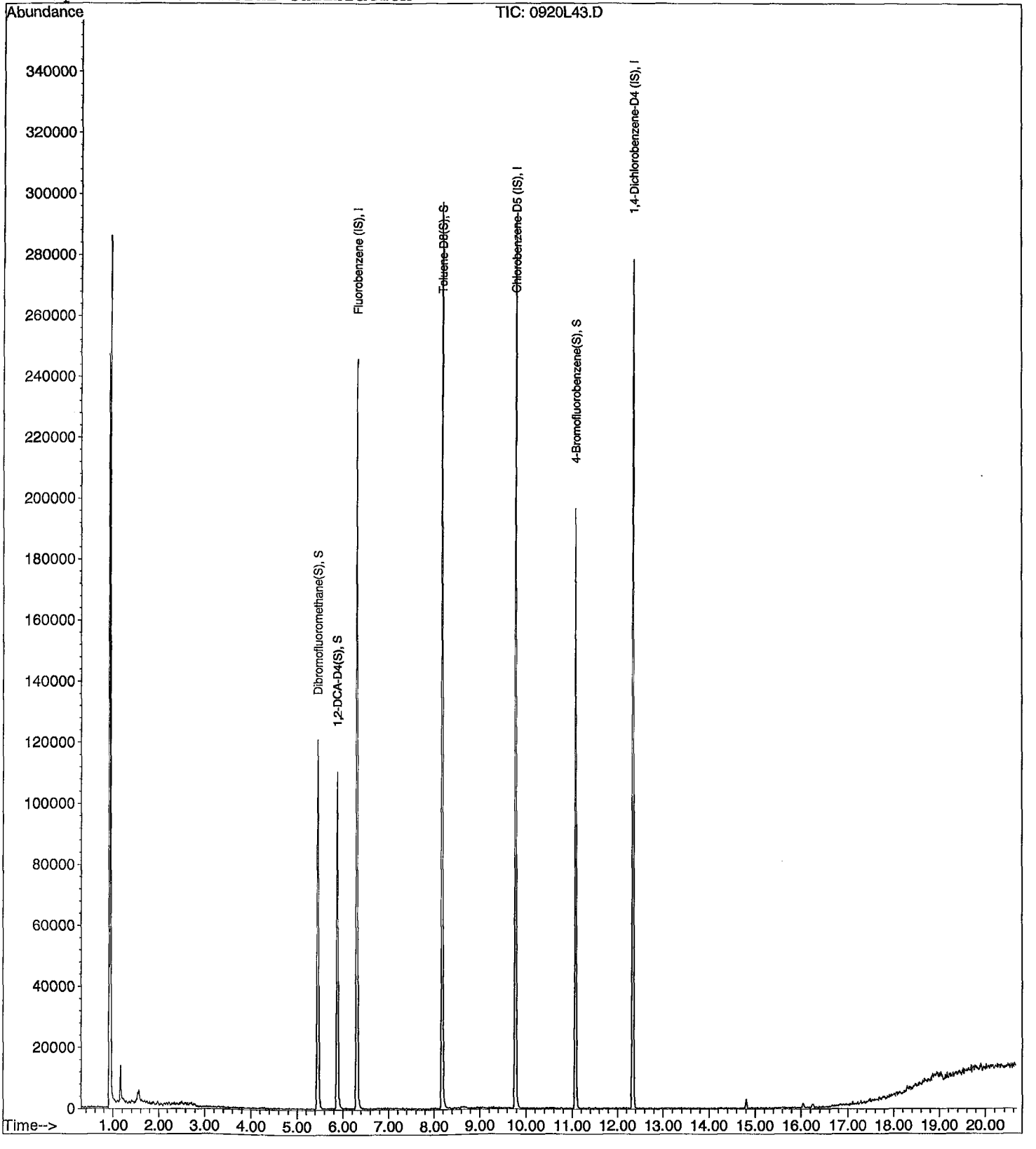
Target Compounds Qvalue

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

Data File : M:\LOKI\DATA\210915\0920L43.D Vial: 43
Acq On : 21 Sep 21 3:29 Operator:
Sample : BA40215W02 Inst : Loki
Misc : IS&S: 9/1/21 Multiplr: 1.00

Quant Time: Oct 30 10:10 2021 Quant Results File: L0915W.RES

Method : M:\LOKI\DATA\210915\L0915W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Sep 21 11:31:19 2021
Response via : Initial Calibration



Data File : M:\LOKI\DATA\210915\0920L44.D Vial: 44
Acq On : 21 Sep 21 3:56 Operator:
Sample : BA40216W02 Inst : Loki
Misc : IS&S: 9/1/21 Multiplr: 1.00

Quant Time: Oct 30 10:10 2021 Quant Results File: L0915W.RES

Quant Method : M:\LOKI\DATA\210915\L0915W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Sep 21 11:31:19 2021
Response via : Initial Calibration
DataAcq Meth : 072021_L8260

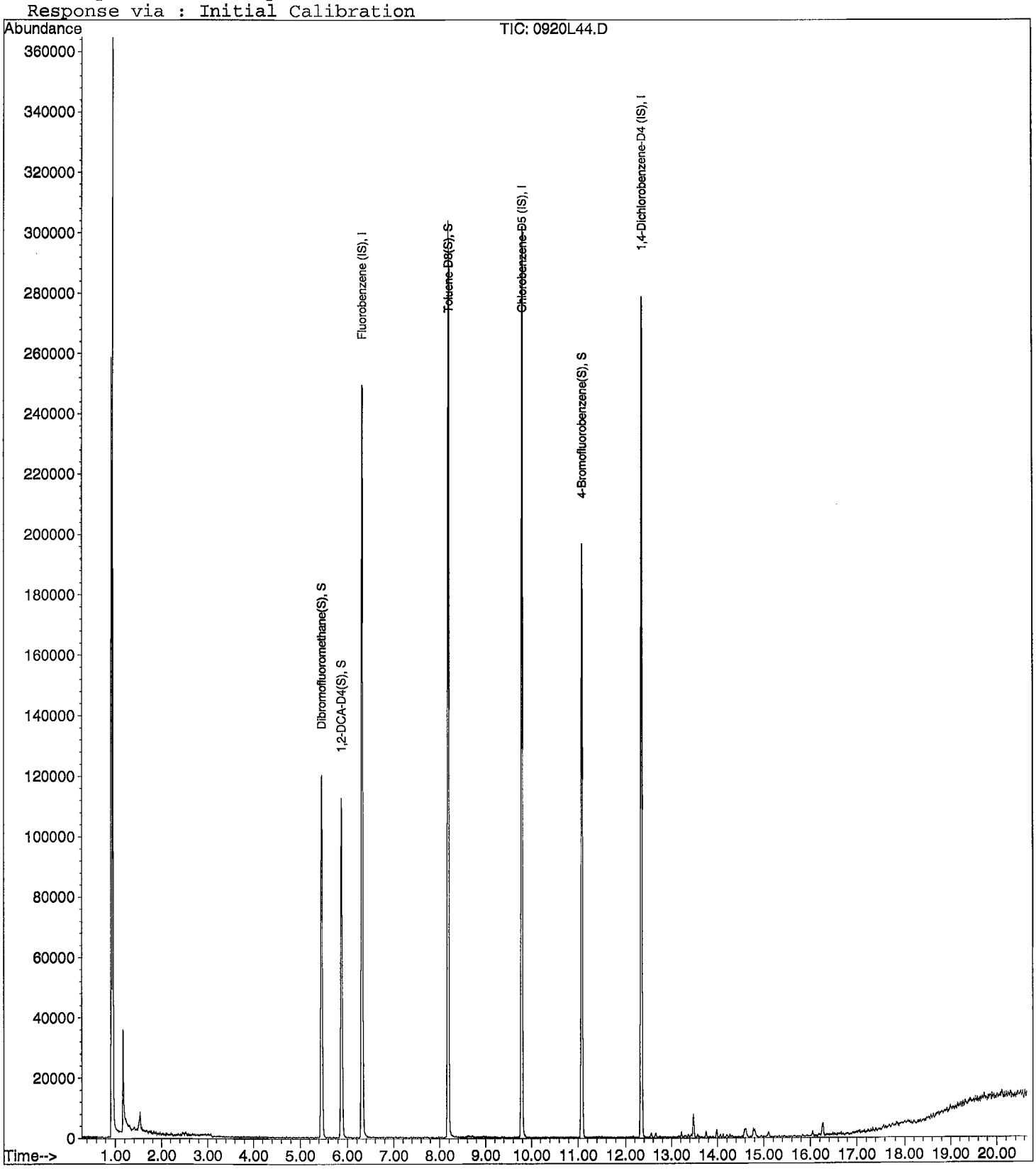
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.31	96	237957	25.00	ppb	0.00
56) Chlorobenzene-D5 (IS)	9.78	117	195582	25.00	ppb	0.00
71) 1,4-Dichlorobenzene-D4 (IS	12.34	152	95479	25.00	ppb	0.00
System Monitoring Compounds						
32) Dibromofluoromethane(S)	5.46	113	77494	27.01	ppb	0.00
Spiked Amount 25.000			Recovery =	108.040%		
37) 1,2-DCA-D4(S)	5.88	65	83616	33.04	ppb	0.00
Spiked Amount 25.000			Recovery =	132.168%		
57) Toluene-D8(S)	8.18	98	213219	24.11	ppb	0.00
Spiked Amount 25.000			Recovery =	96.456%		
65) 4-Bromofluorobenzene(S)	11.08	174	69736	20.73	ppb	0.00
Spiked Amount 25.000			Recovery =	82.908%		
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration
0920L44.D L0915W.M Sat Oct 30 10:11:43 2021

Data File : M:\LOKI\DATA\210915\0920L44.D Vial: 44
Acq On : 21 Sep 21 3:56 Operator:
Sample : BA40216W02 Inst : Loki
Misc : IS&S: 9/1/21 Multiplr: 1.00

Quant Time: Oct 30 10:10 2021 Quant Results File: L0915W.RES

Method : M:\LOKI\DATA\210915\L0915W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Sep 21 11:31:19 2021
Response via : Initial Calibration



Data File : M:\LOKI\DATA\210915\0920L35.D Vial: 35
Acq On : 20 Sep 21 23:49 Operator:
Sample : 210920B BLK Inst : Loki
Misc : IS&S: 9/1/21 Multiplr: 1.00

Quant Time: Oct 30 10:04 2021 Quant Results File: L0915W.RES

Quant Method : M:\LOKI\DATA\210915\L0915W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Sep 21 11:31:19 2021
Response via : Initial Calibration
DataAcq Meth : 072021_L8260

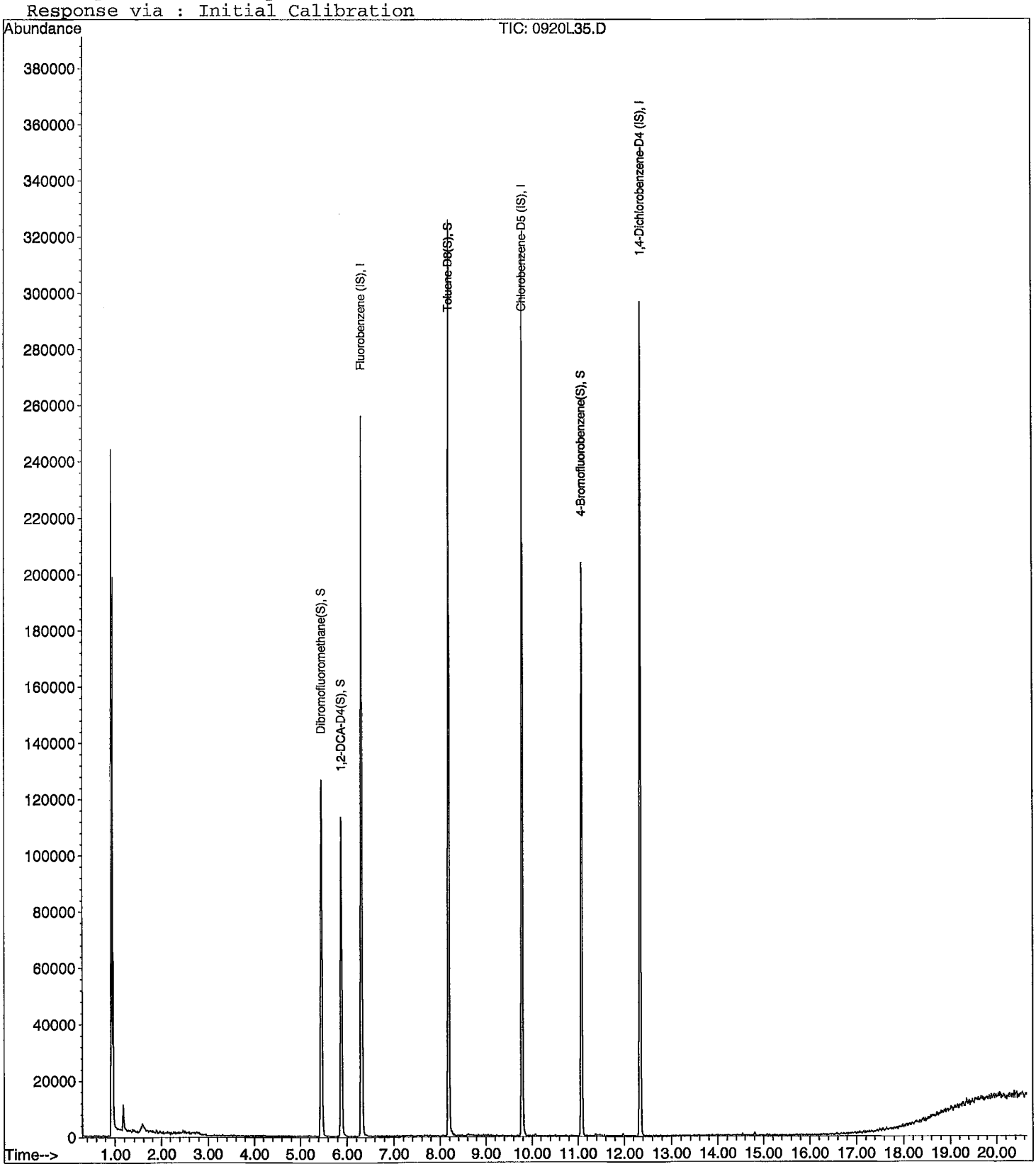
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.31	96	249410	25.00	ppb	0.00
56) Chlorobenzene-D5 (IS)	9.78	117	203106	25.00	ppb	0.00
71) 1,4-Dichlorobenzene-D4 (IS	12.34	152	100562	25.00	ppb	0.00
System Monitoring Compounds						
32) Dibromofluoromethane(S)	5.46	113	80109	26.64	ppb	0.00
Spiked Amount 25.000			Recovery = 106.556%			
37) 1,2-DCA-D4(S)	5.88	65	85194	32.12	ppb	0.00
Spiked Amount 25.000			Recovery = 128.480%			
57) Toluene-D8(S)	8.18	98	224890	24.49	ppb	0.00
Spiked Amount 25.000			Recovery = 97.968%			
65) 4-Bromofluorobenzene(S)	11.08	174	72390	20.72	ppb	0.00
Spiked Amount 25.000			Recovery = 82.872%			
Target Compounds						Qvalue

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

Data File : M:\LOKI\DATA\210915\0920L35.D Vial: 35
Acq On : 20 Sep 21 23:49 Operator:
Sample : 210920B BLK Inst : Loki
Misc : IS&S: 9/1/21 Multiplr: 1.00

Quant Time: Oct 30 10:04 2021 Quant Results File: L0915W.RES

Method : M:\LOKI\DATA\210915\L0915W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Sep 21 11:31:19 2021
Response via : Initial Calibration



Data File : M:\LOKI\DATA\210915\0920L30.D Vial: 30
Acq On : 20 Sep 21 21:32 Operator:
Sample : 210920B LCS 10ug/L Inst : Loki
Misc : IS&S: 9/1/21 Multiplr: 1.00

Quant Time: Sep 21 11:43 2021 Quant Results File: L0915W.RES

Quant Method : M:\LOKI\DATA\210915\L0915W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Sep 21 11:31:19 2021
Response via : Initial Calibration
DataAcq Meth : 072021_L8260

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene (IS)	6.31	96	257306	25.00	ppb		0.00
56) Chlorobenzene-D5 (IS)	9.78	117	212518	25.00	ppb		0.00
71) 1,4-Dichlorobenzene-D4 (IS	12.34	152	132061	25.00	ppb		0.00
System Monitoring Compounds							
32) Dibromofluoromethane(S)	5.46	113	80204	25.85	ppb		0.00
Spiked Amount 25.000			Recovery = 103.408%				
37) 1,2-DCA-D4(S)	5.88	65	83437	30.49	ppb		0.00
Spiked Amount 25.000			Recovery = 121.968%				
57) Toluene-D8(S)	8.18	98	254885	26.53	ppb		0.00
Spiked Amount 25.000			Recovery = 106.116%				
65) 4-Bromofluorobenzene(S)	11.08	174	102515	28.04	ppb		0.00
Spiked Amount 25.000			Recovery = 112.164%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.08	85	12970	11.22	ppb		97
3) Freon 114	1.18	85	11626	11.25	ppb		92
4) Chloromethane	1.22	50	16877	14.12	ppb		96
5) Vinyl chloride	1.31	62	14170	14.00	ppb		98
6) Bromomethane	1.56	96	13594	22.80	ppb		95
7) Chloroethane	1.66	64	9565	14.30	ppb		91
8) Dichlorofluoromethane	1.84	67	27083	15.44	ppb		99
9) Trichlorofluoromethane	1.88	101	14733	15.23	ppb		95
10) Acrolein	2.29	56	12033	137.76	ppb		97
11) Acetone	2.46	43	23899	116.50	ppb		82
12) Freon-113	2.40	101	12025	12.84	ppb		87
13) 1,1-DCE	2.37	61	18070	16.41	ppb		90
15) Acetonitrile	2.76	41	25881	230.14	ppb		98
16) Methyl Acetate	2.84	43	10200	15.41	ppb	#	74
17) Iodomethane	2.51	142	8068	18.27	ppb		88
18) Acrylonitrile	3.25	53	4280	12.92	ppb		94
19) Methylene chloride	2.92	84	15872	12.87	ppb	#	79
20) Carbon disulfide	2.57	76	18864	13.50	ppb		96
21) Methyl t-butyl ether (MtBE	3.32	73	7466	19.58	ppb	#	91
22) Trans-1,2-DCE	3.27	61	14827	12.20	ppb		77
23) Diisopropyl Ether	4.08	45	25973	12.36	ppb	#	85
24) 1,1-DCA	3.88	63	22925	12.26	ppb		90
25) Vinyl Acetate	4.08	43	6418	15.75	ppb		100
27) MEK (2-Butanone)	4.86	43	24101	76.38	ppb		96
28) Cis-1,2-DCE	4.77	61	16663	11.68	ppb		90
29) 2,2-Dichloropropane	4.75	77	15960	13.22	ppb		88
30) Chloroform	5.25	83	24833	11.15	ppb		99
31) Bromochloromethane	5.10	130	11052	10.53	ppb		85
33) 1,1,1-TCA	5.45	97	20041	10.88	ppb	#	81
34) Cyclohexane	5.50	56	10373	9.94	ppb		84
35) 1,1-Dichloropropene	5.68	75	12030	9.97	ppb		97
36) 2,2,4-Trimethylpentane	6.09	57	8628	10.03	ppb	#	89
38) Carbon Tetrachloride	5.66	119	17267	10.58	ppb		92
40) 1,2-DCA	5.97	62	19650	13.05	ppb		91
41) Benzene	5.93	78	45188	9.86	ppb		100
42) TCE	6.76	130	14105	9.40	ppb		95
43) 2-Pentanone	7.04	43	89074	179.14	ppb		88
44) 1,2-Dichloropropane	7.02	63	12779	10.84	ppb		97
45) Bromodichloromethane	7.37	83	17625	10.54	ppb		93
46) Methyl Cyclohexane	6.97	98	5870	8.62	ppb		79

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

Data File : M:\LOKI\DATA\210915\0920L30.D Vial: 30
Acq On : 20 Sep 21 21:32 Operator:
Sample : 210920B LCS 10ug/L Inst : Loki
Misc : IS&S: 9/1/21 Multiplr: 1.00

Quant Time: Sep 21 11:43 2021 Quant Results File: L0915W.RES

Quant Method : M:\LOKI\DATA\210915\L0915W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Sep 21 11:31:19 2021
Response via : Initial Calibration
DataAcq Meth : 072021_L8260

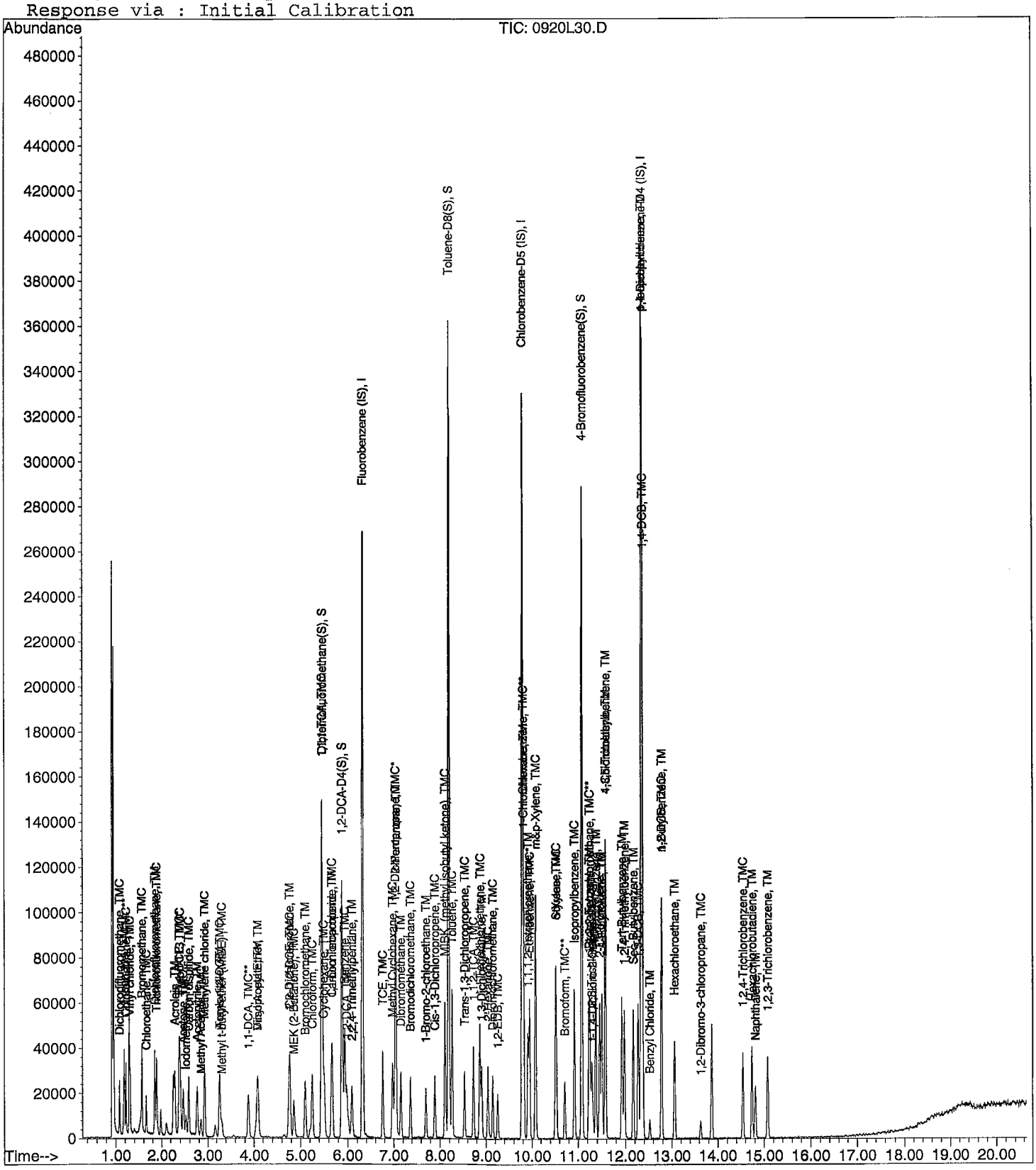
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
47)	Dibromomethane	7.15	174	12168	9.85	ppb		96
49)	MIBK (methyl isobutyl ket	8.10	43	40143	65.64	ppb	#	90
50)	1-Bromo-2-chloroethane	7.70	63	9527	10.81	ppb		95
51)	Cis-1,3-Dichloropropene	7.89	75	15565	9.90	ppb	#	80
52)	Toluene	8.25	91	50812	9.96	ppb		90
53)	Trans-1,3-Dichloropropene	8.53	75	9057	11.41	ppb	#	92
54)	1,1,2-TCA	8.72	97	13171	9.75	ppb		89
55)	2-Hexanone	9.04	43	21431	59.69	ppb		87
58)	1,2-EDB	9.25	107	12876	10.06	ppb		88
59)	Tetrachloroethene	8.87	166	9679	9.98	ppb		99
60)	1-Chlorohexane	9.81	91	10606	9.77	ppb	#	78
61)	1,1,1,2-Tetrachloroethane	9.91	131	14789	10.28	ppb		98
62)	m&p-Xylene	10.08	91	66984	18.12	ppb		97
63)	o-Xylene	10.51	91	33099	9.02	ppb		97
64)	Styrene	10.52	104	25854	8.63	ppb		100
66)	1,3-Dichloropropane	8.90	76	19139	10.77	ppb		88
67)	Dibromochloromethane	9.14	129	15100	10.00	ppb		98
68)	Chlorobenzene	9.81	112	36772	9.48	ppb		96
69)	Ethylbenzene	9.95	91	25576	9.47	ppb		96
70)	Bromoform	10.71	173	12756	10.78	ppb		99
72)	Isopropylbenzene	10.92	105	45861	10.52	ppb		99
73)	1,1,2,2-Tetrachloroethane	11.25	83	18362	11.01	ppb		97
74)	1,2,3-Trichloropropane	11.29	110	6651	12.22	ppb		99
75)	t-1,4-Dichloro-2-Butene	11.31	53	2375	15.88	ppb		88
76)	Bromobenzene	11.23	158	18592	10.76	ppb		89
77)	n-Propylbenzene	11.37	91	56813	11.39	ppb		98
78)	4-Ethyltoluene	11.50	105	45252	10.88	ppb		93
79)	2-Chlorotoluene	11.45	91	43491	11.60	ppb		95
80)	1,3,5-Trimethylbenzene	11.57	105	44161	11.63	ppb		97
81)	4-Chlorotoluene	11.57	91	47042	12.06	ppb		98
82)	Tert-Butylbenzene	11.92	119	33071	10.06	ppb		96
83)	1,2,4-Trimethylbenzene	11.97	105	35015	9.21	ppb		97
84)	Sec-Butylbenzene	12.16	105	43442	9.84	ppb		92
85)	p-Isopropyltoluene	12.33	119	35848	9.07	ppb		97
86)	Benzyl Chloride	12.52	91	7430	11.80	ppb		100
87)	1,3-DCB	12.27	146	31509	9.79	ppb		96
88)	1,4-DCB	12.37	146	34345	10.01	ppb		99
89)	n-Butylbenzene	12.77	91	29724	9.89	ppb		99
90)	1,2-DCB	12.78	146	29854	9.43	ppb		96
91)	Hexachloroethane	13.05	117	9470	10.75	ppb		94
92)	1,2-Dibromo-3-chloropropan	13.63	157	2705	8.54	ppb	#	66
93)	1,2,4-Trichlorobenzene	14.54	180	8079	8.91	ppb		86
94)	Hexachlorobutadiene	14.74	225	5439	9.90	ppb		98
95)	Naphthalene	14.81	128	23910	10.12	ppb		97
96)	1,2,3-Trichlorobenzene	15.07	182	6655	8.35	ppb		93

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

Data File : M:\LOKI\DATA\210915\0920L30.D Vial: 30
Acq On : 20 Sep 21 21:32 Operator:
Sample : 210920B LCS 10ug/L Inst : Loki
Misc : IS&S: 9/1/21 Multiplr: 1.00

Quant Time: Sep 21 11:43 2021 Quant Results File: L0915W.RES

Method : M:\LOKI\DATA\210915\L0915W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Sep 21 11:31:19 2021
Response via : Initial Calibration



Data File : M:\LOKI\DATA\210915\0920L31.D Vial: 31
Acq On : 20 Sep 21 21:59 Operator:
Sample : 210920B LCS 10ug/L Inst : Loki
Misc : IS&S: 9/1/21 Multiplr: 1.00

Quant Time: Sep 21 11:43 2021 Quant Results File: L0915W.RES

Quant Method : M:\LOKI\DATA\210915\L0915W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Sep 21 11:31:19 2021
Response via : Initial Calibration
DataAcq Meth : 072021_L8260

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene (IS)	6.31	96	258265	25.00	ppb		0.00
56) Chlorobenzene-D5 (IS)	9.78	117	205398	25.00	ppb		0.00
71) 1,4-Dichlorobenzene-D4 (IS	12.34	152	124441	25.00	ppb		0.00
System Monitoring Compounds							
32) Dibromofluoromethane(S)	5.46	113	79906	25.66	ppb		0.00
Spiked Amount 25.000			Recovery = 102.644%				
37) 1,2-DCA-D4(S)	5.88	65	83356	30.35	ppb		0.00
Spiked Amount 25.000			Recovery = 121.396%				
57) Toluene-D8(S)	8.18	98	248627	26.77	ppb		0.00
Spiked Amount 25.000			Recovery = 107.100%				
65) 4-Bromofluorobenzene(S)	11.08	174	85095	24.08	ppb		0.00
Spiked Amount 25.000			Recovery = 96.332%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.08	85	12804	11.04	ppb		100
3) Freon 114	1.18	85	12200	11.76	ppb		89
4) Chloromethane	1.22	50	17414	14.53	ppb		100
5) Vinyl chloride	1.31	62	14268	14.05	ppb		99
6) Bromomethane	1.57	96	14031	23.53	ppb		99
7) Chloroethane	1.66	64	9560	14.24	ppb		95
8) Dichlorofluoromethane	1.84	67	27011	15.34	ppb		99
9) Trichlorofluoromethane	1.88	101	15184	15.64	ppb		99
10) Acrolein	2.29	56	11399	130.02	ppb		98
11) Acetone	2.46	43	23761	115.37	ppb		91
12) Freon-113	2.40	101	12185	12.96	ppb		93
13) 1,1-DCE	2.37	61	17578	15.89	ppb		95
15) Acetonitrile	2.76	41	24528	217.30	ppb		100
16) Methyl Acetate	2.84	43	9783	14.72	ppb	#	73
17) Iodomethane	2.52	142	8351	18.77	ppb		100
18) Acrylonitrile	3.25	53	4513	13.52	ppb	#	90
19) Methylene chloride	2.92	84	16108	13.04	ppb	#	78
20) Carbon disulfide	2.57	76	19496	13.91	ppb		98
21) Methyl t-butyl ether (MtBE	3.32	73	6605	17.41	ppb	#	88
22) Trans-1,2-DCE	3.27	61	15439	12.65	ppb		83
23) Diisopropyl Ether	4.08	45	28152	13.35	ppb	#	86
24) 1,1-DCA	3.87	63	23753	12.65	ppb		99
25) Vinyl Acetate	4.08	43	6868	16.78	ppb		99
27) MEK (2-Butanone)	4.86	43	23908	75.49	ppb		96
28) Cis-1,2-DCE	4.77	61	16914	11.81	ppb		82
29) 2,2-Dichloropropane	4.75	77	15558	12.83	ppb		100
30) Chloroform	5.25	83	25999	11.63	ppb		99
31) Bromochloromethane	5.10	130	10946	10.39	ppb	#	74
33) 1,1,1-TCA	5.45	97	20619	11.15	ppb	#	72
34) Cyclohexane	5.51	56	11490	10.97	ppb		88
35) 1,1-Dichloropropene	5.68	75	12908	10.65	ppb		96
36) 2,2,4-Trimethylpentane	6.09	57	8593	9.95	ppb	#	91
38) Carbon Tetrachloride	5.66	119	18446	11.26	ppb		99
40) 1,2-DCA	5.97	62	18672	12.36	ppb		95
41) Benzene	5.94	78	44629	9.71	ppb		93
42) TCE	6.76	130	14891	9.89	ppb		96
43) 2-Pentanone	7.04	43	87025	174.37	ppb		89
44) 1,2-Dichloropropane	7.02	63	12858	10.86	ppb		95
45) Bromodichloromethane	7.37	83	17745	10.57	ppb		95
46) Methyl Cyclohexane	6.97	98	6366	9.31	ppb		87

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

Data File : M:\LOKI\DATA\210915\0920L31.D Vial: 31
Acq On : 20 Sep 21 21:59 Operator:
Sample : 210920B LCS 10ug/L Inst : Loki
Misc : IS&S: 9/1/21 Multiplr: 1.00

Quant Time: Sep 21 11:43 2021 Quant Results File: L0915W.RES

Quant Method : M:\LOKI\DATA\210915\L0915W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Sep 21 11:31:19 2021
Response via : Initial Calibration
DataAcq Meth : 072021_L8260

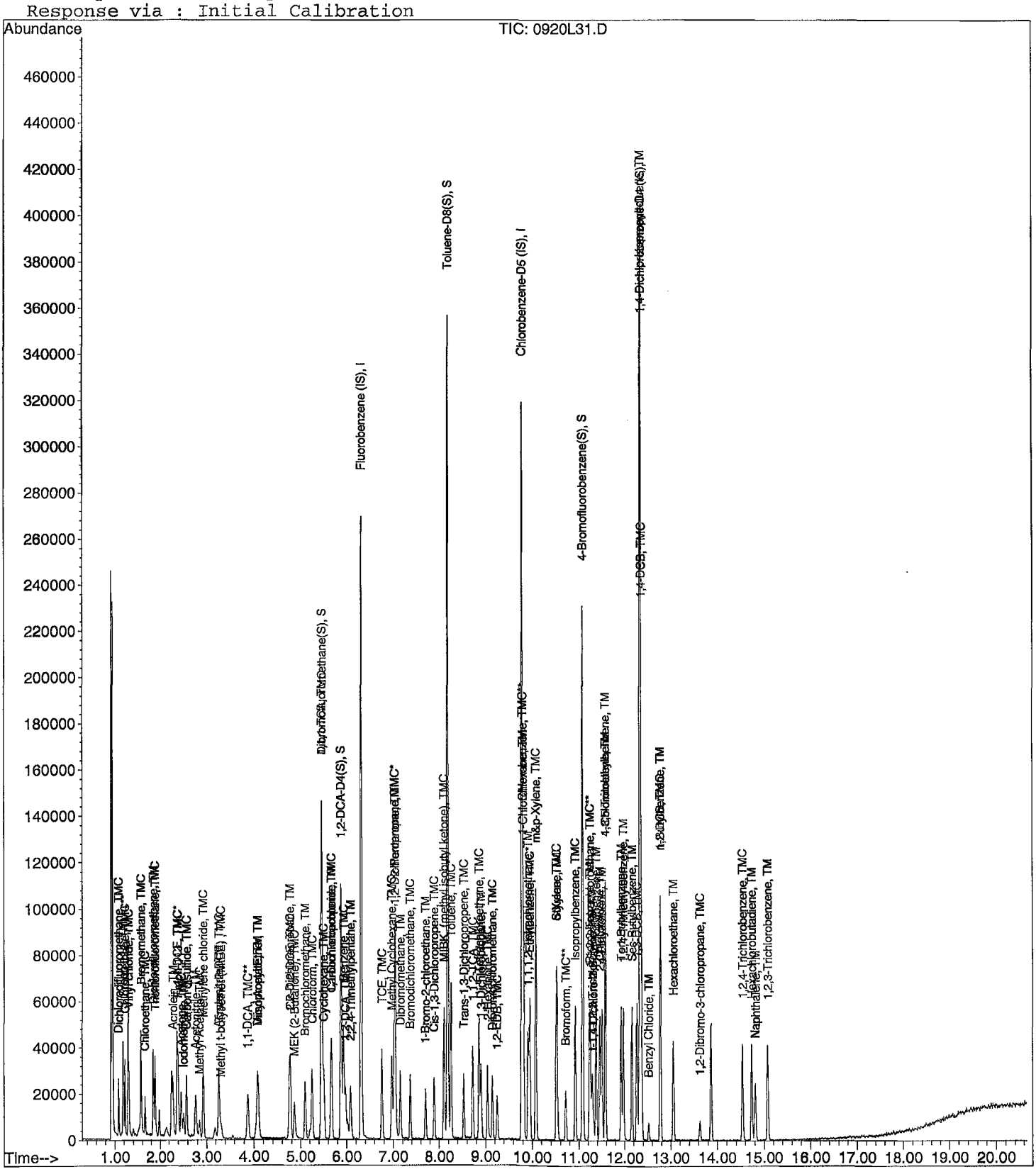
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
47)	Dibromomethane	7.15	174	11880	9.58	ppb		85
49)	MIBK (methyl isobutyl ket	8.11	43	38363	62.50	ppb	#	91
50)	1-Bromo-2-chloroethane	7.70	63	9376	10.60	ppb		97
51)	Cis-1,3-Dichloropropene	7.89	75	15311	9.70	ppb	#	77
52)	Toluene	8.26	91	50250	9.82	ppb		97
53)	Trans-1,3-Dichloropropene	8.53	75	8567	10.75	ppb	#	86
54)	1,1,2-TCA	8.72	97	13131	9.69	ppb		92
55)	2-Hexanone	9.04	43	22392	61.52	ppb		89
58)	1,2-EDB	9.25	107	12581	10.17	ppb		84
59)	Tetrachloroethene	8.87	166	9986	10.67	ppb		98
60)	1-Chlorohexane	9.81	91	10344	9.86	ppb	#	76
61)	1,1,1,2-Tetrachloroethane	9.91	131	14870	10.70	ppb		97
62)	m&p-Xylene	10.08	91	66474	18.51	ppb		99
63)	o-Xylene	10.51	91	33607	9.39	ppb		90
64)	Styrene	10.52	104	25676	8.81	ppb		97
66)	1,3-Dichloropropane	8.90	76	18451	10.74	ppb		87
67)	Dibromochloromethane	9.15	129	14944	10.24	ppb		100
68)	Chlorobenzene	9.81	112	37060	9.89	ppb		97
69)	Ethylbenzene	9.95	91	25304	9.70	ppb		98
70)	Bromoform	10.71	173	11563	10.11	ppb		97
72)	Isopropylbenzene	10.92	105	39190	9.54	ppb		95
73)	1,1,2,2-Tetrachloroethane	11.25	83	16379	10.42	ppb		100
74)	1,2,3-Trichloropropane	11.29	110	5037	9.82	ppb		96
75)	t-1,4-Dichloro-2-Butene	11.31	53	1919	14.04	ppb		95
76)	Bromobenzene	11.23	158	16849	10.35	ppb		97
77)	n-Propylbenzene	11.37	91	48786	10.38	ppb		98
78)	4-Ethyltoluene	11.50	105	38842	9.91	ppb		98
79)	2-Chlorotoluene	11.45	91	38635	10.94	ppb		94
80)	1,3,5-Trimethylbenzene	11.57	105	36440	10.19	ppb		95
81)	4-Chlorotoluene	11.57	91	39681	10.80	ppb		97
82)	Tert-Butylbenzene	11.92	119	30888	9.97	ppb		84
83)	1,2,4-Trimethylbenzene	11.97	105	33816	9.40	ppb		94
84)	Sec-Butylbenzene	12.16	105	42305	10.17	ppb		98
85)	p-Isopropyltoluene	12.32	119	37072	9.77	ppb		99
86)	Benzyl Chloride	12.52	91	6914	11.68	ppb		96
87)	1,3-DCB	12.27	146	31205	10.29	ppb		98
88)	1,4-DCB	12.37	146	33568	10.38	ppb		96
89)	n-Butylbenzene	12.78	91	29814	10.53	ppb		100
90)	1,2-DCB	12.77	146	30142	10.10	ppb		100
91)	Hexachloroethane	13.05	117	9000	10.84	ppb		98
92)	1,2-Dibromo-3-chloropropan	13.63	157	2974	9.77	ppb	#	71
93)	1,2,4-Trichlorobenzene	14.54	180	9118	10.24	ppb		99
94)	Hexachlorobutadiene	14.74	225	5591	10.72	ppb		96
95)	Naphthalene	14.81	128	26994	11.84	ppb	#	92
96)	1,2,3-Trichlorobenzene	15.07	182	9010	10.93	ppb		92

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

Data File : M:\LOKI\DATA\210915\0920L31.D Vial: 31
Acq On : 20 Sep 21 21:59 Operator:
Sample : 210920B LCS 10ug/L Inst : Loki
Misc : IS&S: 9/1/21 Multiplr: 1.00

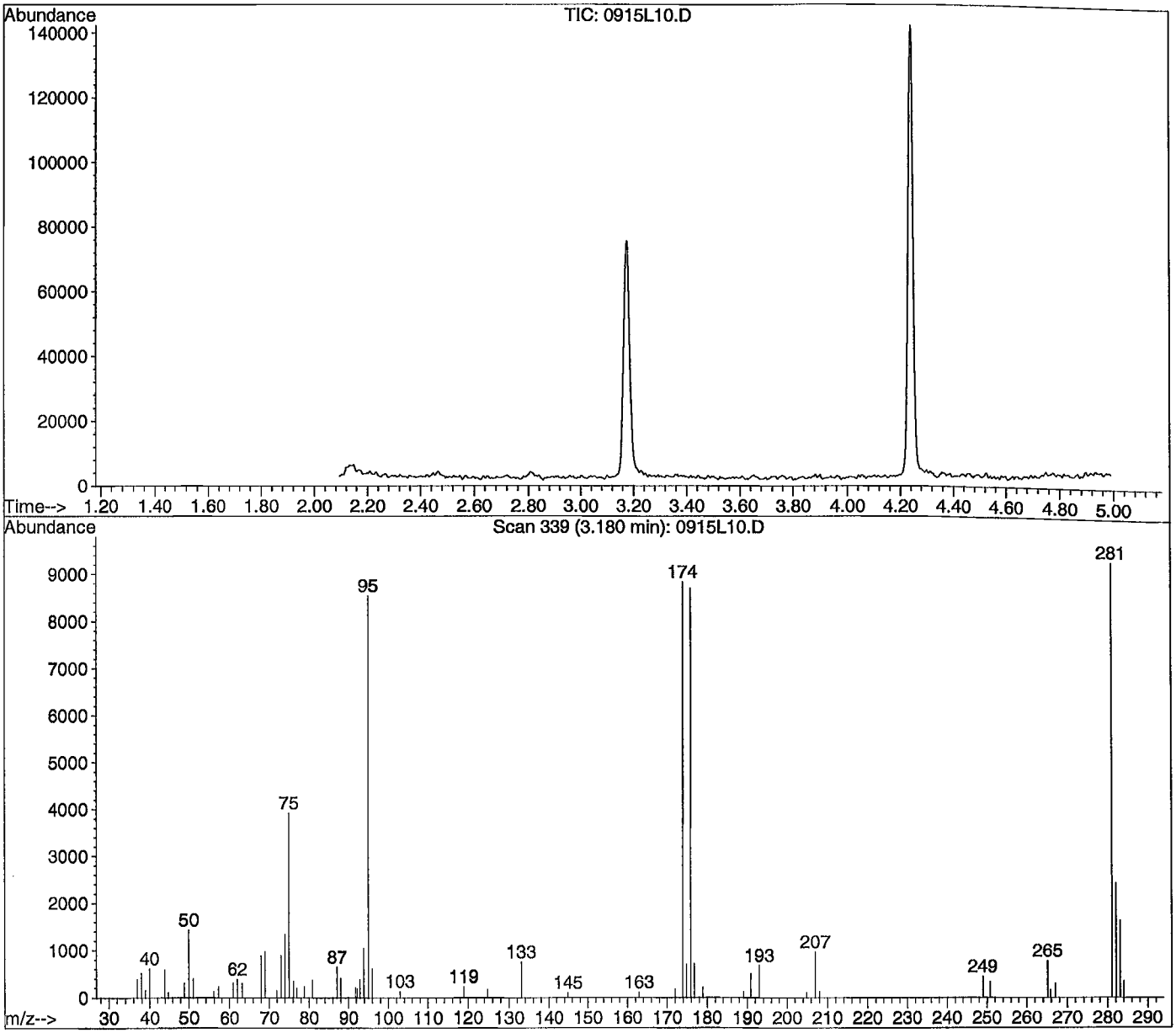
Quant Time: Sep 21 11:43 2021 Quant Results File: L0915W.RES

Method : M:\LOKI\DATA\210915\L0915W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Sep 21 11:31:19 2021
Response via : Initial Calibration



Data File : M:\LOKI\DATA\210915\0915L10.D Vial: 1
Acq On : 15 Sep 21 15:43 Operator:
Sample : 25ug/L BFB STD 7/13/21 Inst : Loki
Misc : 2uL Multiplr: 1.00

Method : M:\LOKI\DATA\210915\L0915W.M (RTE Integrator)
Title : METHOD 8260B



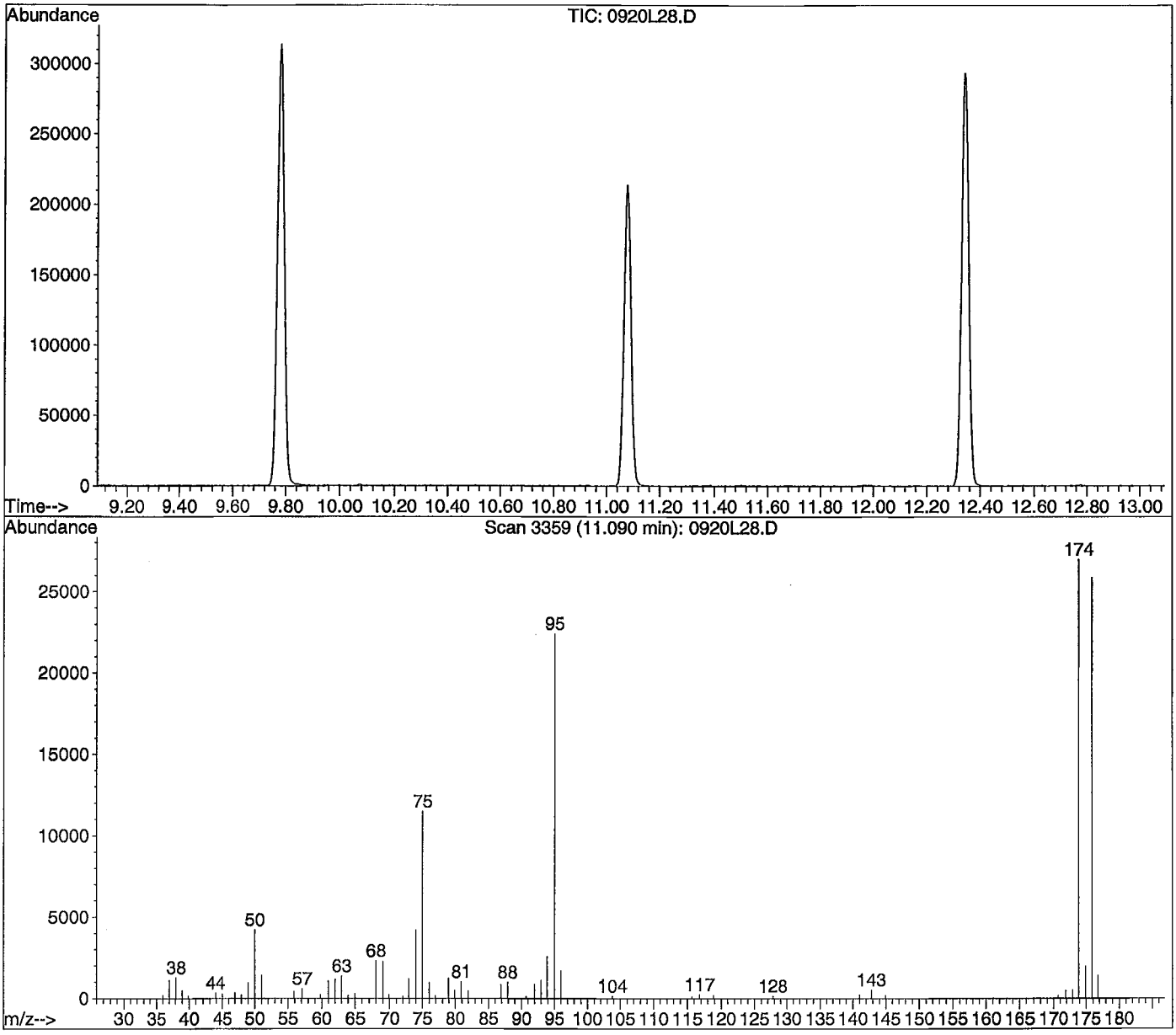
Spectrum Information: Scan 339

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	16.7	1430	PASS
75	95	30	60	45.9	3921	PASS
95	95	100	100	100.0	8539	PASS
96	95	5	9	7.1	610	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	200	103.5	8835	PASS
175	174	5	9	7.9	696	PASS
176	174	95	100	98.6	8708	PASS
177	176	5	9	8.2	711	PASS

0915L10.D L0915W.M Sat Oct 30 09:48:02 2021

Data File : M:\LOKI\DATA\210915\0920L28.D Vial: 28
Acq On : 20 Sep 21 20:37 Operator:
Sample : 25ug/L BFB STD 7/13/21 Inst : Loki
Misc : IS&S: 9/1/21 Multiplr: 1.00

Method : M:\LOKI\DATA\210915\L0915W.M (RTE Integrator)
Title : METHOD 8260B



Spectrum Information: Scan 3359

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.8	4206	PASS
75	95	30	60	51.3	11497	PASS
95	95	100	100	100.0	22416	PASS
96	95	5	9	7.5	1670	PASS
173	174	0.00	2	1.9	505	PASS
174	95	50	200	120.3	26976	PASS
175	174	5	9	7.3	1977	PASS
176	174	95	100	95.9	25880	PASS
177	176	5	9	5.3	1375	PASS

LOKI 8260 Standard Prep

LOKI 8260 Water Calibration Curve

0.3ug/L

Prepared: 9/15/2021

Expires: 9/22/2021

Prepared By (Initials): CH

Initial Standard Information							Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	APPL Mix Name	Conc. (ug/mL)	Reference To APPL Prep Date	Exp. Date	Exp. Date (Manufacturers)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/L)
VOA STD. 9	Various	0.3ug/L	5	Prepared 09/03/21	11/2/2021	N/A	3uL	50mL	P&T Water	0.3
VOA STD. 1	Absolute		50	Prepared 09/03/21	11/2/2021	N/A	5uL			5
VOA STD. 2	Phenova		100	Prepared 09/03/21	11/2/2021	N/A	2.5uL			5
VOA STD. TBA	Various		250	Prepared 09/03/21	9/22/2021	N/A	2uL			10

0.5ug/L

Prepared: 9/15/2021

Expires: 9/22/2021

Initial Standard Information							Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	APPL Mix Name	Conc. (ug/mL)	Reference To APPL Prep Date	Exp. Date	Exp. Date (Manufacturers)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/L)
VOA STD. 9	Various	0.5ug/L	5	Prepared 09/03/21	11/2/2021	N/A	5uL	50mL	P&T Water	0.5
VOA STD. 1	Absolute		50	Prepared 09/03/21	11/2/2021	N/A	10uL			10
VOA STD. 2	Phenova		100	Prepared 09/03/21	11/2/2021	N/A	5uL			10
VOA STD. TBA	Various		250	Prepared 09/03/21	9/22/2021	N/A	5uL			25

1.0ug/L

Prepared: 9/15/2021

Expires: 9/22/2021

Initial Standard Information							Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	APPL Mix Name	Conc. (ug/mL)	Reference To APPL Prep Date	Exp. Date	Exp. Date (Manufacturers)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/L)
VOA STD. 9	Various	1.0ug/L	5	Prepared 09/03/21	11/2/2021	N/A	10uL	50mL	P&T Water	1
VOA STD. 1	Absolute		50	Prepared 09/03/21	11/2/2021	N/A	20uL			20
VOA STD. 2	Phenova		100	Prepared 09/03/21	11/2/2021	N/A	10uL			20
VOA STD. TBA	Various		250	Prepared 09/03/21	9/22/2021	N/A	10uL			50

2.0ug/L

Prepared: 9/15/2021

Expires: 9/22/2021

Initial Standard Information							Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	APPL Mix Name	Conc. (ug/mL)	Reference To APPL Prep Date	Exp. Date	Exp. Date (Manufacturers)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/L)
VOA STD. 9	Various	2.0ug/L	5	Prepared 09/03/21	11/2/2021	N/A	20uL	50mL	P&T Water	2
VOA STD. 1	Absolute		50	Prepared 09/03/21	11/2/2021	N/A	30uL			30
VOA STD. 2	Phenova		100	Prepared 09/03/21	11/2/2021	N/A	15uL			30
VOA STD. TBA	Various		250	Prepared 09/03/21	9/22/2021	N/A	15uL			75

5ug/L

Prepared: 9/15/2021

Expires: 9/22/2021

Initial Standard Information							Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	APPL Mix Name	Conc. (ug/mL)	Reference To APPL Prep Date	Exp. Date	Exp. Date (Manufacturers)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/L)
VOA STD. 7	Various	5ug/L	50	Prepared 09/03/21	11/2/2021	N/A	5uL	50mL	P&T Water	5
VOA STD. 8	Phenova		50	Prepared 09/03/21	9/22/2021	N/A	5uL			5
VOA STD. 1	Absolute		50	Prepared 09/03/21	11/2/2021	N/A	40uL			40
VOA STD. 2	Phenova		100	Prepared 09/03/21	11/2/2021	N/A	20uL			20
VOA STD. TBA	Various		250	Prepared 09/03/21	9/22/2021	N/A	20uL			100

10ug/L

Prepared: 9/15/2021

Expires: 9/22/2021

Initial Standard Information							Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	APPL Mix Name	Conc. (ug/mL)	Reference To APPL Prep Date	Exp. Date	Exp. Date (Manufacturers)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/L)
VOA STD. 7	Various	10ug/L	50	Prepared 09/03/21	11/2/2021	N/A	10uL	50mL	P&T Water	10
VOA STD. 8	Phenova		50	Prepared 09/03/21	9/22/2021	N/A	10uL			10
VOA STD. 1	Absolute		50	Prepared 09/03/21	11/2/2021	N/A	50uL			50
VOA STD. 2	Phenova		100	Prepared 09/03/21	11/2/2021	N/A	25uL			50
VOA STD. TBA	Various		250	Prepared 09/03/21	9/22/2021	N/A	25uL			125

20ug/L

Prepared: 9/15/2021

Expires: 9/22/2021

Initial Standard Information							Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	APPL Mix Name	Conc. (ug/mL)	Reference To APPL Prep Date	Exp. Date	Exp. Date (Manufacturers)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/L)
VOA STD. 7	Various	20ug/L	50	Prepared 09/03/21	11/2/2021	N/A	20uL	50mL	P&T Water	20
VOA STD. 8	Phenova		50	Prepared 09/03/21	9/22/2021	N/A	20uL			20
VOA STD. 1	Absolute		50	Prepared 09/03/21	11/2/2021	N/A	60uL			60
VOA STD. 2	Phenova		100	Prepared 09/03/21	11/2/2021	N/A	30uL			60
VOA STD. TBA	Various		250	Prepared 09/03/21	9/22/2021	N/A	30uL			150

40ug/L

Prepared: 9/15/2021

Expires: 9/22/2021

Initial Standard Information							Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	APPL Mix Name	Conc. (ug/mL)	Reference To APPL Prep Date	Exp. Date	Exp. Date (Manufacturers)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/L)
VOA STD. 7	Various	40ug/L	50	Prepared 09/03/21	11/2/2021	N/A	40uL	50mL	P&T Water	40
VOA STD. 8	Phenova		50	Prepared 09/03/21	9/22/2021	N/A	40uL			40
VOA STD. 1	Absolute		50	Prepared 09/03/21	11/2/2021	N/A	80uL			80
VOA STD. 2	Phenova		100	Prepared 09/03/21	11/2/2021	N/A	40uL			80
VOA STD. TBA	Various		250	Prepared 09/03/21	9/22/2021	N/A	35uL			175

100ug/L

Prepared: 9/15/2021

Expires: 9/22/2021

Initial Standard Information							Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	APPL Mix Name	Conc. (ug/mL)	Reference To APPL Prep Date	Exp. Date	Exp. Date (Manufacturers)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/L)
VOA STD. 7	Various	100ug/L	50	Prepared 09/03/21	11/2/2021	N/A	100uL	50mL	P&T Water	100
VOA STD. 8	Phenova		50	Prepared 09/03/21	9/22/2021	N/A	100uL			100
VOA STD. 1	Absolute		50	Prepared 09/03/21	11/2/2021	N/A	100uL			100
VOA STD. 2	Phenova		100	Prepared 09/03/21	11/2/2021	N/A	50uL			100
VOA STD. TBA	Various		250	Prepared 09/03/21	9/22/2021	N/A	40uL			200

LOKI 8260 Water Second Source (SS)

Prepared: 9/15/2021

Prepared By (Initials): CH

Expires: 9/22/2021

Initial Standard Information							Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	APPL Mix Name	Conc. (ug/mL)	Reference To APPL Prep Date	Exp. Date	Exp. Date (Manufacturers)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/L)
VOA STD. 3	Phenova	8260 Water SS	100	Prepared 09/03/21	11/2/2021	N/A	25uL	50mL	P&T Water	50
VOA STD. GASES	Phenova	8260 Water SS	50	Prepared 09/03/21	11/2/2021	N/A	10uL			10
VOA STD. 0	Phenova	8260 Water SS	50	Prepared 09/03/21	11/2/2021	N/A	10uL			10
VOA STD. 2-CEVE	Absolute	8260 Water SS	50	Prepared 09/03/21	9/3/2021	N/A	50uL			50
VOA STD. 6	Various	8260 Water SS	50	Prepared 09/03/21	9/22/2021	N/A	10uL			10
Voa STD. TBA	Various	8260 Water SS	250	Prepared 09/03/21	9/22/2021	N/A	25uL			250

8260 Water Continuing Calibrations (CCV)/ Lab Control Spikes (LCS)

Prepared: 9/15/2021

Prepared By (Initials): CH

Expires: 9/16/2021

Initial Standard Information							Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	APPL Mix Name	Conc. (ug/mL)	Reference To APPL Prep Date	Exp. Date	Exp. Date (Manufacturers)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/L)
VOA STD. 7	Various	CCV/ LCS	50	Prepared 09/03/21	11/2/2021	N/A	10uL	50mL	P&T Water	10
VOA STD. 8	Phenova	CCV/ LCS	50	Prepared 09/03/21	9/22/2021	N/A	10uL			10
VOA STD. 1	Absolute	CCV/ LCS	50	Prepared 09/03/21	11/2/2021	N/A	50uL			50
VOA STD. 2	Phenova	CCV/ LCS	100	Prepared 09/03/21	11/2/2021	N/A	25uL			50
VOA STD. TBA	Various	CCV/ LCS	250	Prepared 09/03/21	9/22/2021	N/A	25uL			250

LOKI Gas Standard Prep

Gas Primary Working Standard

Prepared: 6/23/2021
Expires: 1/4/2022
Methanol Lot No.

Prepared By (Initials): CH

Initial Standard Information							Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	Supplier P/N#	Conc. (ug/mL)	Lot Number - QA Number	Exp. Date (1 yr)	Exp. Date (Manufacturers)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/mL)
50,000ug/mL Gas STD	Restek	30205	50,000	A0132443	1/4/2022	12/31/2024	80uL	2mL	Methanol	2,000

Gas Second Source (SS) Working Standard

Prepared: 3/31/2021
Expires: 1/31/1930
Methanol Lot No.

Prepared By (Initials): CH

Initial Standard Information							Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	Supplier P/N#	Conc. (ug/mL)	Lot Number - QA Number	Exp. Date (1 yr)	Exp. Date (Manufacturers)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/mL)
Gasoline (50,000ppm)	Phenova	ALO-101543	50,000	CL14915-51175	1/4/2022	1/31/1930	80uL	2mL	Methanol	2,000

LOKI Gas Calibration Curve

Prepared: 9/15/2021
Expires: 11/14/2021

Prepared By (Initials): CH

Initial Standard Information							Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	APPL Mix Name	Conc. (ug/mL)	Reference To APPL Prep Date	Exp. Date	Exp. Date (Manufacturers)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/L)
VOA Gasses Standards	Phenova	20ug/L	2,000	Prepared 06/23/21	1/4/2022	N/A	1uL	100mL	P&T Water	20
VOA Gasses Standards	Phenova	50ug/L	2,000	Prepared 06/23/21	1/4/2022	N/A	2.5uL	100mL	P&T Water	50
VOA Gasses Standards	Phenova	100ug/L	2,000	Prepared 06/23/21	1/4/2022	N/A	5uL	100mL	P&T Water	100
VOA Gasses Standards	Phenova	300ug/L	2,000	Prepared 06/23/21	1/4/2022	N/A	15uL	100mL	P&T Water	300
VOA Gasses Standards	Phenova	600ug/L	2,000	Prepared 06/23/21	1/4/2022	N/A	30uL	100mL	P&T Water	600
VOA Gasses Standards	Phenova	800ug/L	2,000	Prepared 06/23/21	1/4/2022	N/A	40uL	100mL	P&T Water	800
VOA Gasses Standards	Phenova	1,000ug/L	2,000	Prepared 06/23/21	1/4/2022	N/A	50uL	100mL	P&T Water	1,000

LOKI Gas Second Source

Prepared: 9/15/2021
Expires: 11/14/2021

Prepared By (Initials): CH

Initial Standard Information							Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	APPL Mix Name	Conc. (ug/mL)	Reference To APPL Prep Date	Exp. Date	Exp. Date (Manufacturers)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/L)
50,000ug/mL Gas STD	Phenova	SS 300ug/L	2,000	Prepared 03/31/21	1/31/1930	N/A	15uL	100mL	P&T Water	300

LOKI Gas Continuing Calibrations/Lab Control Spikes

Prepared: 9/15/2021
Expires: 9/16/2021

Prepared By (Initials): CH

Initial Standard Information							Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	Supplier P/N#	Conc. (ug/mL)	Lot Number - QA Number	Exp. Date (1 yr)	Exp. Date (Manufacturers)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/mL)
VOA Gasses Standards	Phenova	300ug/L	2,000	Prepared 06/23/21	1/4/2022	N/A	15uL	100mL	P&T Water	300

Injection Log

Directory: M:\LOKI\DATA\210915\

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	1	0915L10.D	1	25ug/L BFB STD 7/13/21	2uL	15 Sep 21 15:43
2	4	0915L14.D	1	0.3ug/L VOC STD 9/15/21	IS&S: 9/1/21	15 Sep 21 17:21
3	5	0915L15.D	1	0.5ug/L VOC STD 9/15/21	IS&S: 9/1/21	15 Sep 21 17:49
4	6	0915L16.D	1	1ug/L VOC STD 9/15/21	IS&S: 9/1/21	15 Sep 21 18:16
5	7	0915L17.D	1	2ug/L VOC STD 9/15/21	IS&S: 9/1/21	15 Sep 21 18:44
6	8	0915L18.D	1	5ug/L VOC STD 9/15/21	IS&S: 9/1/21	15 Sep 21 19:11
7	9	0915L19.D	1	10ug/L VOC STD 9/15/21	IS&S: 9/1/21	15 Sep 21 19:39
8	10	0915L20.D	1	20ug/L VOC STD 9/15/21	IS&S: 9/1/21	15 Sep 21 20:06
9	11	0915L21.D	1	40ug/L VOC STD 9/15/21	IS&S: 9/1/21	15 Sep 21 20:34
10	12	0915L22.D	1	100ug/L VOC STD 9/15/21	IS&S: 9/1/21	15 Sep 21 21:01
11	14	0915L24.D	1	(SS) 10ug/L VOC STD 9/15/21	IS&S: 9/1/21	15 Sep 21 21:56
12	28	0920L28.D	1	25ug/L BFB STD 7/13/21	IS&S: 9/1/21	20 Sep 21 20:37
13	29	0920L29.D	1	210920B CCV 10ug/L	IS&S: 9/1/21	20 Sep 21 21:05
14	30	0920L30.D	1	210920B LCS 10ug/L	IS&S: 9/1/21	20 Sep 21 21:32
15	31	0920L31.D	1	210920B LCS 10ug/L	IS&S: 9/1/21	20 Sep 21 21:59
16	35	0920L35.D	1	210920B BLK	IS&S: 9/1/21	20 Sep 21 23:49
17	36	0920L36.D	1	BA40208W02	IS&S: 9/1/21	21 Sep 21 00:17
18	37	0920L37.D	1	BA40209W02	IS&S: 9/1/21	21 Sep 21 00:44
19	38	0920L38.D	1	BA40210W01	IS&S: 9/1/21	21 Sep 21 1:12
20	39	0920L39.D	1	BA40211W02	IS&S: 9/1/21	21 Sep 21 1:39
21	40	0920L40.D	1	BA40212W02	IS&S: 9/1/21	21 Sep 21 2:06
22	41	0920L41.D	1	BA40213W02	IS&S: 9/1/21	21 Sep 21 2:34
23	42	0920L42.D	1	BA40214W02	IS&S: 9/1/21	21 Sep 21 3:01
24	43	0920L43.D	1	BA40215W02	IS&S: 9/1/21	21 Sep 21 3:29
25	44	0920L44.D	1	BA40216W02	IS&S: 9/1/21	21 Sep 21 3:56
26	45	0920L45.D	1	Ending CCV 10ug/L 9/20/21	IS&S: 9/1/21	21 Sep 21 4:24

ORGANICS
Calibration Data

VOLATILE ORGANIC ANALYSIS
VOLATILE ORGANIC COMPOUNDS

Form 6
Initial Calibration

Lab Name: APPL, Inc. SDG No:
Case No: Initial Cal. Date: 9/15/2021
Matrix: Instrument: Loki Initials:

			0915L14.D	0915L15.D	0915L16.D	0915L17.D	0915L18.D	0915L19.D	0915L20.D	0915L21.D	0915L22.D							
		Compound	1	2	3	4	5	6	7	8	9		Avg	%RSD	Type	r^2	Q	MRF
1	I	Fluorobenzene (IS)																
2	S	Dibromofluoromethane(S)	0.3623	0.3528	0.3024	0.2821	0.2965	0.2928	0.2811	0.2806	0.2622		0.30	11	S			
3	S	1,2-DCA-D4(S)	0.3193	0.3189	0.2534	0.2600	0.2669	0.2595	0.2462	0.2440	0.2246		0.27	12	S			
4	I	Chlorobenzene-D5 (IS)																
5	S	Toluene-D8(S)	1.108	1.179	1.000	1.009	1.140	1.181	1.200	1.205	1.150		1.1	6.8	S			
6	S	4-Bromofluorobenzene(S)	0.4350	0.4536	0.3427	0.3319	0.4007	0.4410	0.4750	0.4979	0.4927		0.43	14	S			
7	I	1,4-Dichlorobenzene-D4 (IS)																
8																		
9																		
10																		
11																		
12																		
13																		
14																		
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34																		
35																		

Data File : M:\LOKI\DATA\210915\0915L14.D Vial: 4
Acq On : 15 Sep 21 17:21 Operator:
Sample : 0.3ug/L VOC STD 9/15/21 Inst : Loki
Misc : IS&S: 9/1/21 Multiplr: 1.00

Quant Time: Oct 30 10:21 2021 Quant Results File: LSUR915.RES

Quant Method : M:\LOKI\DATA\210915\LSUR915.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Oct 29 17:03:16 2021
Response via : Initial Calibration
DataAcq Meth : 072021_L8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.31	96	357734	25.00	ppb	0.00
4) Chlorobenzene-D5 (IS)	9.78	117	310874	25.00	ppb	0.00
7) 1,4-Dichlorobenzene-D4 (IS	12.34	152	157960	25.00	ppb	0.00
System Monitoring Compounds						
2) Dibromofluoromethane(S)	5.46	113	25924	6.01	ppb	0.00
Spiked Amount 25.000			Recovery = 24.040%			
3) 1,2-DCA-D4(S)	5.88	65	22846	6.01	ppb	0.00
Spiked Amount 25.000			Recovery = 24.020%			
5) Toluene-D8(S)	8.18	98	68918	4.90	ppb	0.00
Spiked Amount 25.000			Recovery = 19.616%			
6) 4-Bromofluorobenzene(S)	11.08	174	27046	5.06	ppb	0.00
Spiked Amount 25.000			Recovery = 20.228%			

Target Compounds Qvalue

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

Data File : M:\LOKI\DATA\210915\0915L15.D Vial: 5
Acq On : 15 Sep 21 17:49 Operator:
Sample : 0.5ug/L VOC STD 9/15/21 Inst : Loki
Misc : IS&S: 9/1/21 Multiplr: 1.00

Quant Time: Oct 30 10:22 2021 Quant Results File: LSUR915.RES

Quant Method : M:\LOKI\DATA\210915\LSUR915.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Oct 29 17:03:16 2021
Response via : Initial Calibration
DataAcq Meth : 072021_L8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.31	96	365748	25.00	ppb	0.00
4) Chlorobenzene-D5 (IS)	9.78	117	314990	25.00	ppb	0.00
7) 1,4-Dichlorobenzene-D4 (IS	12.34	152	159857	25.00	ppb	0.00
System Monitoring Compounds						
2) Dibromofluoromethane(S)	5.46	113	25809	5.85	ppb	0.00
Spiked Amount 25.000			Recovery =	23.412%		
3) 1,2-DCA-D4(S)	5.88	65	23328	6.00	ppb	0.00
Spiked Amount 25.000			Recovery =	23.992%		
5) Toluene-D8(S)	8.18	98	74244	5.21	ppb	0.00
Spiked Amount 25.000			Recovery =	20.856%		
6) 4-Bromofluorobenzene(S)	11.08	174	28579	5.27	ppb	0.00
Spiked Amount 25.000			Recovery =	21.096%		

Target Compounds Qvalue

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

Quantitation Report (Not Reviewed)

Data File : M:\LOKI\DATA\210915\0915L16.D Vial: 6
Acq On : 15 Sep 21 18:16 Operator:
Sample : 1ug/L VOC STD 9/15/21 Inst : Loki
Misc : IS&S: 9/1/21 Multiplr: 1.00

Quant Time: Oct 30 10:22 2021 Quant Results File: LSUR915.RES

Quant Method : M:\LOKI\DATA\210915\LSUR915.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Oct 29 17:03:16 2021
Response via : Initial Calibration
DataAcq Meth : 072021_L8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.31	96	368986	25.00	ppb	0.00
4) Chlorobenzene-D5 (IS)	9.78	117	324836	25.00	ppb	0.00
7) 1,4-Dichlorobenzene-D4 (IS	12.34	152	167979	25.00	ppb	0.00
System Monitoring Compounds						
2) Dibromofluoromethane(S)	5.46	113	44637	10.03	ppb	0.00
Spiked Amount 25.000			Recovery =	40.132%		
3) 1,2-DCA-D4(S)	5.88	65	37397	9.53	ppb	0.00
Spiked Amount 25.000			Recovery =	38.120%		
5) Toluene-D8(S)	8.18	98	129971	8.85	ppb	0.00
Spiked Amount 25.000			Recovery =	35.400%		
6) 4-Bromofluorobenzene(S)	11.08	174	44526	7.97	ppb	0.00
Spiked Amount 25.000			Recovery =	31.872%		

Target Compounds Qvalue

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

Quantitation Report (Not Reviewed)

Data File : M:\LOKI\DATA\210915\0915L17.D Vial: 7
Acq On : 15 Sep 21 18:44 Operator:
Sample : 2ug/L VOC STD 9/15/21 Inst : Loki
Misc : IS&S: 9/1/21 Multiplr: 1.00

Quant Time: Oct 30 10:22 2021 Quant Results File: LSUR915.RES

Quant Method : M:\LOKI\DATA\210915\LSUR915.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Oct 29 17:03:16 2021
Response via : Initial Calibration
DataAcq Meth : 072021_L8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.31	96	365017	25.00	ppb	0.00
4) Chlorobenzene-D5 (IS)	9.78	117	317817	25.00	ppb	0.00
7) 1,4-Dichlorobenzene-D4 (IS	12.34	152	174015	25.00	ppb	0.00
System Monitoring Compounds						
2) Dibromofluoromethane(S)	5.46	113	41185	9.36	ppb	0.00
Spiked Amount 25.000			Recovery =	37.432%		
3) 1,2-DCA-D4(S)	5.88	65	37964	9.78	ppb	0.00
Spiked Amount 25.000			Recovery =	39.120%		
5) Toluene-D8(S)	8.18	98	128304	8.93	ppb	0.00
Spiked Amount 25.000			Recovery =	35.720%		
6) 4-Bromofluorobenzene(S)	11.08	174	42196	7.72	ppb	0.00
Spiked Amount 25.000			Recovery =	30.872%		
Target Compounds						Qvalue

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

Quantitation Report (Not Reviewed)

Data File : M:\LOKI\DATA\210915\0915L18.D Vial: 8
Acq On : 15 Sep 21 19:11 Operator:
Sample : 5ug/L VOC STD 9/15/21 Inst : Loki
Misc : IS&S: 9/1/21 Multiplr: 1.00

Quant Time: Oct 30 10:22 2021 Quant Results File: LSUR915.RES

Quant Method : M:\LOKI\DATA\210915\LSUR915.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Oct 29 17:03:16 2021
Response via : Initial Calibration
DataAcq Meth : 072021_L8260

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	6.31	96	382375	25.00 ppb	0.00
4) Chlorobenzene-D5 (IS)	9.78	117	337640	25.00 ppb	0.00
7) 1,4-Dichlorobenzene-D4 (IS	12.34	152	200108	25.00 ppb	0.00
System Monitoring Compounds					
2) Dibromofluoromethane(S)	5.46	113	113386	24.59 ppb	0.00
Spiked Amount 25.000			Recovery =	98.376%	
3) 1,2-DCA-D4(S)	5.88	65	102041	25.09 ppb	0.00
Spiked Amount 25.000			Recovery =	100.372%	
5) Toluene-D8(S)	8.18	98	384830	25.21 ppb	0.00
Spiked Amount 25.000			Recovery =	100.844%	
6) 4-Bromofluorobenzene(S)	11.08	174	135298	23.29 ppb	0.00
Spiked Amount 25.000			Recovery =	93.176%	

Target Compounds Qvalue

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

Quantitation Report (Not Reviewed)

Data File : M:\LOKI\DATA\210915\0915L19.D Vial: 9
Acq On : 15 Sep 21 19:39 Operator:
Sample : 10ug/L VOC STD 9/15/21 Inst : Loki
Misc : IS&S: 9/1/21 Multiplr: 1.00

Quant Time: Oct 30 10:22 2021 Quant Results File: LSUR915.RES

Quant Method : M:\LOKI\DATA\210915\LSUR915.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Oct 29 17:03:16 2021
Response via : Initial Calibration
DataAcq Meth : 072021_L8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.31	96	378885	25.00	ppb	0.00
4) Chlorobenzene-D5 (IS)	9.78	117	325909	25.00	ppb	0.00
7) 1,4-Dichlorobenzene-D4 (IS	12.34	152	211540	25.00	ppb	0.00
System Monitoring Compounds						
2) Dibromofluoromethane(S)	5.46	113	110922	24.28	ppb	0.00
Spiked Amount 25.000			Recovery = 97.124%			
3) 1,2-DCA-D4(S)	5.88	65	98311	24.40	ppb	0.00
Spiked Amount 25.000			Recovery = 97.596%			
5) Toluene-D8(S)	8.18	98	384880	26.12	ppb	0.00
Spiked Amount 25.000			Recovery = 104.488%			
6) 4-Bromofluorobenzene(S)	11.08	174	143727	25.64	ppb	0.00
Spiked Amount 25.000			Recovery = 102.544%			

Target Compounds Qvalue

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

Data File : M:\LOKI\DATA\210915\0915L20.D Vial: 10
Acq On : 15 Sep 21 20:06 Operator:
Sample : 20ug/L VOC STD 9/15/21 Inst : Loki
Misc : IS&S: 9/1/21 Multiplr: 1.00

Quant Time: Oct 30 10:22 2021 Quant Results File: LSUR915.RES

Quant Method : M:\LOKI\DATA\210915\LSUR915.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Oct 29 17:03:16 2021
Response via : Initial Calibration
DataAcq Meth : 072021_L8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.31	96	401304	25.00	ppb	0.00
4) Chlorobenzene-D5 (IS)	9.78	117	347596	25.00	ppb	0.00
7) 1,4-Dichlorobenzene-D4 (IS	12.34	152	235358	25.00	ppb	0.00
System Monitoring Compounds						
2) Dibromofluoromethane(S)	5.46	113	225612	46.63	ppb	0.00
Spiked Amount 25.000			Recovery =	186.512%		
3) 1,2-DCA-D4(S)	5.88	65	197637	46.31	ppb	0.00
Spiked Amount 25.000			Recovery =	185.240%		
5) Toluene-D8(S)	8.18	98	834056	53.08	ppb	0.00
Spiked Amount 25.000			Recovery =	212.304%		
6) 4-Bromofluorobenzene(S)	11.08	174	330232	55.23	ppb	0.00
Spiked Amount 25.000			Recovery =	220.904%		

Target Compounds Qvalue

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

Quantitation Report (Not Reviewed)

Data File : M:\LOKI\DATA\210915\0915L21.D Vial: 11
Acq On : 15 Sep 21 20:34 Operator:
Sample : 40ug/L VOC STD 9/15/21 Inst : Loki
Misc : IS&S: 9/1/21 Multiplr: 1.00

Quant Time: Oct 30 10:22 2021 Quant Results File: LSUR915.RES

Quant Method : M:\LOKI\DATA\210915\LSUR915.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Oct 29 17:03:16 2021
Response via : Initial Calibration
DataAcq Meth : 072021_L8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.31	96	393871	25.00	ppb	0.00
4) Chlorobenzene-D5 (IS)	9.78	117	343182	25.00	ppb	0.00
7) 1,4-Dichlorobenzene-D4 (IS	12.34	152	242668	25.00	ppb	0.00
System Monitoring Compounds						
2) Dibromofluoromethane(S)	5.46	113	221017	46.54	ppb	0.00
Spiked Amount 25.000			Recovery =	186.160%		
3) 1,2-DCA-D4(S)	5.88	65	192231	45.89	ppb	0.00
Spiked Amount 25.000			Recovery =	183.572%		
5) Toluene-D8(S)	8.18	98	827286	53.32	ppb	0.00
Spiked Amount 25.000			Recovery =	213.288%		
6) 4-Bromofluorobenzene(S)	11.08	174	341756	57.89	ppb	0.00
Spiked Amount 25.000			Recovery =	231.556%		

Target Compounds Qvalue

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

Quantitation Report (Not Reviewed)

Data File : M:\LOKI\DATA\210915\0915L22.D Vial: 12
Acq On : 15 Sep 21 21:01 Operator:
Sample : 100ug/L VOC STD 9/15/21 Inst : Loki
Misc : IS&S: 9/1/21 Multiplr: 1.00

Quant Time: Oct 30 10:22 2021 Quant Results File: LSUR915.RES

Quant Method : M:\LOKI\DATA\210915\LSUR915.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Oct 29 17:03:16 2021
Response via : Initial Calibration
DataAcq Meth : 072021_L8260

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	6.31	96	396611	25.00 ppb	0.00
4) Chlorobenzene-D5 (IS)	9.78	117	344948	25.00 ppb	0.00
7) 1,4-Dichlorobenzene-D4 (IS	12.34	152	251763	25.00 ppb	0.00
System Monitoring Compounds					
2) Dibromofluoromethane(S)	5.46	113	416036	87.00 ppb	0.00
Spiked Amount 25.000			Recovery =	348.000%	
3) 1,2-DCA-D4(S)	5.88	65	356285	84.47 ppb	0.00
Spiked Amount 25.000			Recovery =	337.884%	
5) Toluene-D8(S)	8.18	98	1586340	101.72 ppb	0.00
Spiked Amount 25.000			Recovery =	406.892%	
6) 4-Bromofluorobenzene(S)	11.08	174	679839	114.57 ppb	0.00
Spiked Amount 25.000			Recovery =	458.260%	

Target Compounds Qvalue

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

VOLATILE ORGANIC ANALYSIS
VOLATILE ORGANIC COMPOUNDS

Form 6
Initial Calibration

Lab Name: APPL, Inc. SDG No:
Case No: Initial Cal. Date: 9/15/2021
Matrix: Instrument: Loki Initials:

0915L25.D 0915L26.D 0915L27.D 0915L28.D 0915L29.D 0915L30.D 0915L31.D

		Compound	1	2	3	4	5	6	7				Avg	%RSD	Type	r^2	Q	MRF
1	I	Fluorobenzene (IS)																
2	TMHBL	Gasoline C6-C10	5.591	2.233	1.170	0.4734	0.3219	0.2720	0.2525				1.5	133	TMHB	0.996		
3	I	Chlorobenzene-D5 (IS)																
4	I	1,4-Dichlorobenzene-D (IS)																
5																		
6																		
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Quantitation Report (Not Reviewed)

Data File : M:\LOKI\DATA\210915\0915L25.D Vial: 15
Acq On : 15 Sep 21 22:24 Operator:
Sample : 20ug/L GAS STD 9/15/21 Inst : Loki
Misc : IS&S: 9/1/21 Multiplr: 1.00

Quant Time: Oct 29 16:40 2021 Quant Results File: LGAS0915.RES

Quant Method : M:\LOKI\DATA\210915\LGAS0915.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Oct 29 16:39:47 2021
Response via : Initial Calibration
DataAcq Meth : 072021_L8260

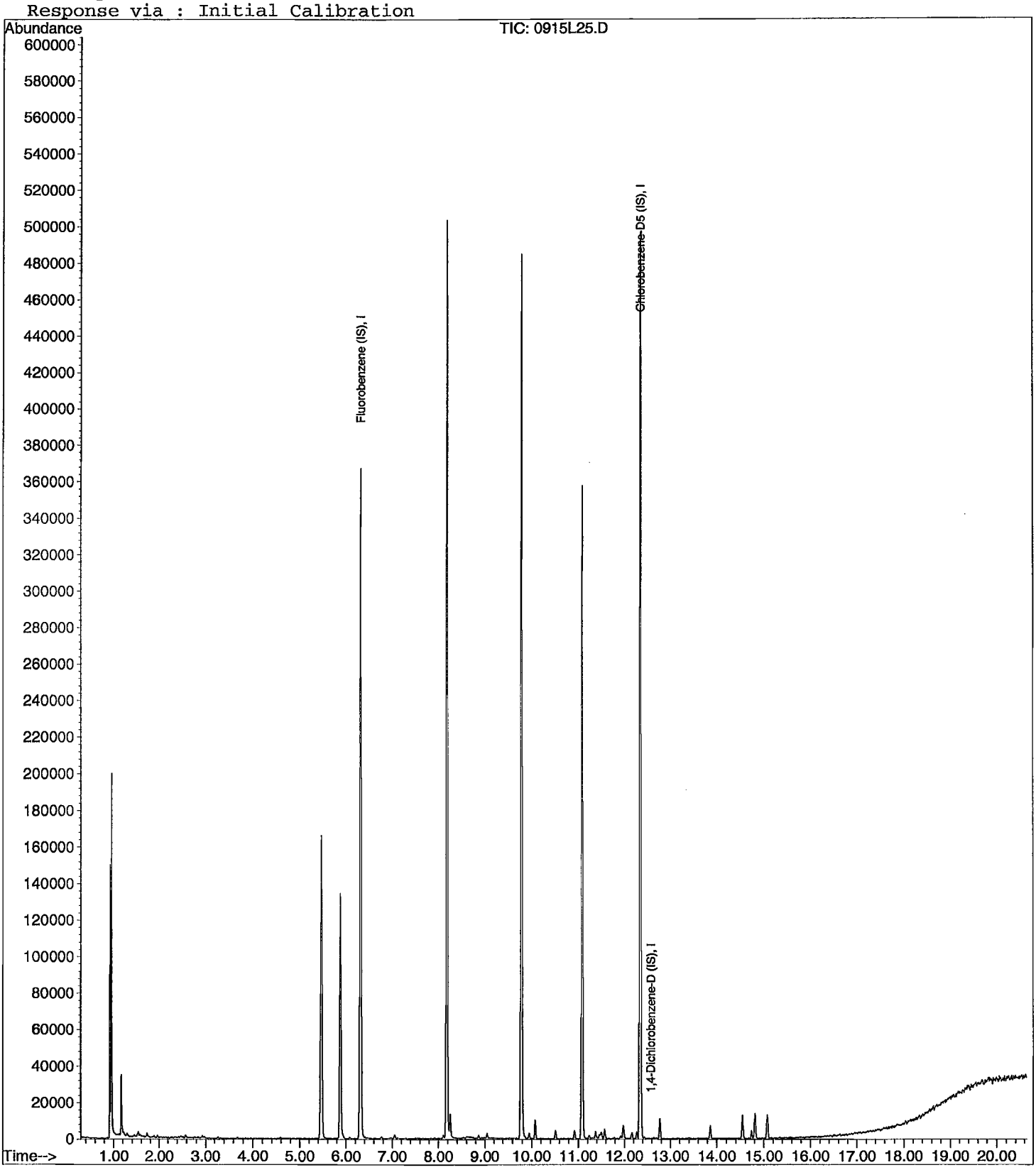
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	6.31	TIC	702877	25.00 ppb	0.00
3) Chlorobenzene-D5 (IS)	12.34	TIC	945984	25.00 ppb	0.00
4) 1,4-Dichlorobenzene-D (IS)	12.57	TIC	89	25.00 ppb	0.02
System Monitoring Compounds					
Target Compounds					Qvalue
2) Gasoline C6-C10	8.39	TIC	3143732m	-93.82 ppb	100

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

Data File : M:\LOKI\DATA\210915\0915L25.D Vial: 15
Acq On : 15 Sep 21 22:24 Operator:
Sample : 20ug/L GAS STD 9/15/21 Inst : Loki
Misc : IS&S: 9/1/21 Multiplr: 1.00

Quant Time: Oct 29 16:40 2021 Quant Results File: LGAS0915.RES

Method : M:\LOKI\DATA\210915\LGAS0915.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Oct 29 16:40:47 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\LOKI\DATA\210915\0915L26.D Vial: 16
Acq On : 15 Sep 21 22:51 Operator:
Sample : 50ug/L GAS STD 9/15/21 Inst : Loki
Misc : IS&S: 9/1/21 Multiplr: 1.00

Quant Time: Oct 29 16:40 2021 Quant Results File: LGAS0915.RES

Quant Method : M:\LOKI\DATA\210915\LGAS0915.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Oct 29 16:39:47 2021
Response via : Initial Calibration
DataAcq Meth : 072021_L8260

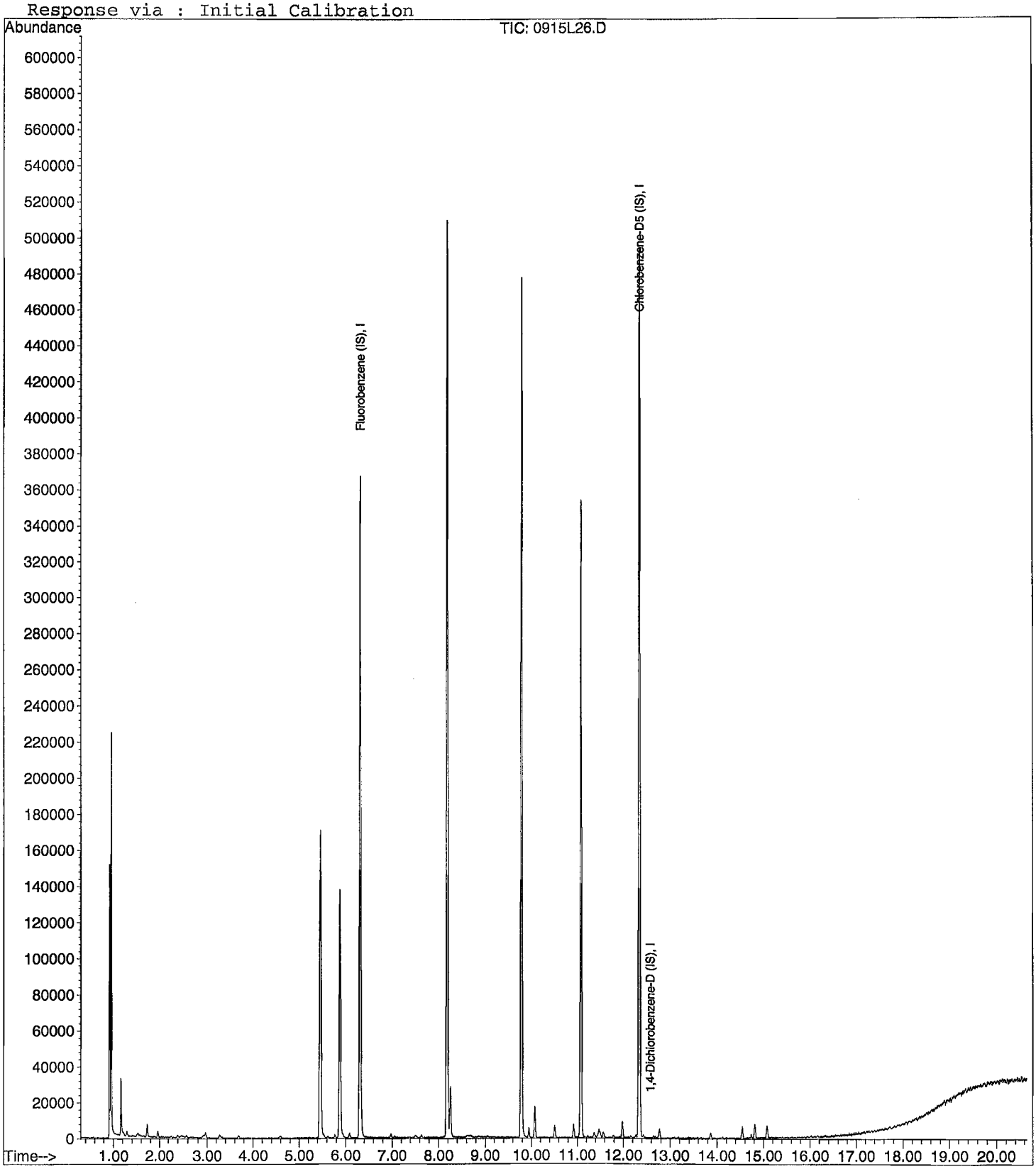
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.31	TIC	720222	25.00	ppb	0.00
3) Chlorobenzene-D5 (IS)	12.34	TIC	937778	25.00	ppb	0.00
4) 1,4-Dichlorobenzene-D (IS)	12.58	TIC	29	25.00	ppb	0.02
System Monitoring Compounds						
Target Compounds						Qvalue
2) Gasoline C6-C10	8.39	TIC	3216666m	-94.86	ppb	100

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

Data File : M:\LOKI\DATA\210915\0915L26.D Vial: 16
Acq On : 15 Sep 21 22:51 Operator:
Sample : 50ug/L GAS STD 9/15/21 Inst : Loki
Misc : IS&S: 9/1/21 Multiplr: 1.00

Quant Time: Oct 29 16:40 2021 Quant Results File: LGAS0915.RES

Method : M:\LOKI\DATA\210915\LGAS0915.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Oct 29 16:40:47 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\LOKI\DATA\210915\0915L27.D Vial: 17
Acq On : 15 Sep 21 23:19 Operator:
Sample : 100ug/L GAS STD 9/15/21 Inst : Loki
Misc : IS&S: 9/1/21 Multiplr: 1.00

Quant Time: Oct 29 16:40 2021 Quant Results File: LGAS0915.RES

Quant Method : M:\LOKI\DATA\210915\LGAS0915.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Oct 29 16:39:47 2021
Response via : Initial Calibration
DataAcq Meth : 072021_L8260

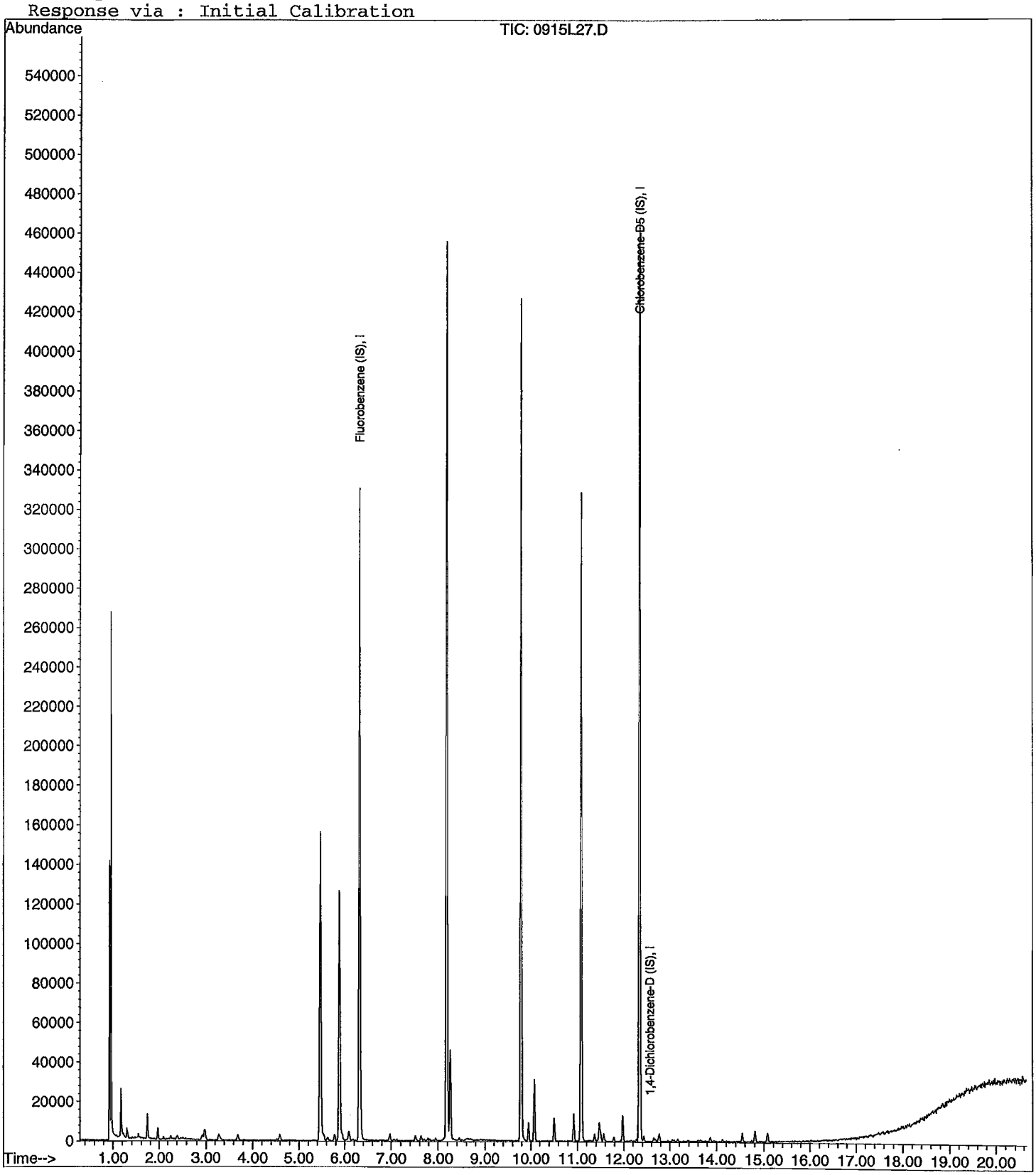
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.31	TIC	655789	25.00	ppb	0.00
3) Chlorobenzene-D5 (IS)	12.34	TIC	882910	25.00	ppb	0.00
4) 1,4-Dichlorobenzene-D (IS)	12.56	TIC	151	25.00	ppb	0.00
System Monitoring Compounds						
Target Compounds						Qvalue
2) Gasoline C6-C10	8.39	TIC	3069292m	-60.54	ppb	100

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

Data File : M:\LOKI\DATA\210915\0915L27.D Vial: 17
Acq On : 15 Sep 21 23:19 Operator:
Sample : 100ug/L GAS STD 9/15/21 Inst : Loki
Misc : IS&S: 9/1/21 Multiplr: 1.00

Quant Time: Oct 29 16:40 2021 Quant Results File: LGAS0915.RES

Method : M:\LOKI\DATA\210915\LGAS0915.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Oct 29 16:40:47 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\LOKI\DATA\210915\0915L28.D Vial: 18
Acq On : 15 Sep 21 23:46 Operator:
Sample : 300ug/L GAS STD 9/15/21 Inst : Loki
Misc : IS&S: 9/1/21 Multiplr: 1.00

Quant Time: Oct 29 16:40 2021 Quant Results File: LGAS0915.RES

Quant Method : M:\LOKI\DATA\210915\LGAS0915.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Oct 29 16:39:47 2021
Response via : Initial Calibration
DataAcq Meth : 072021_L8260

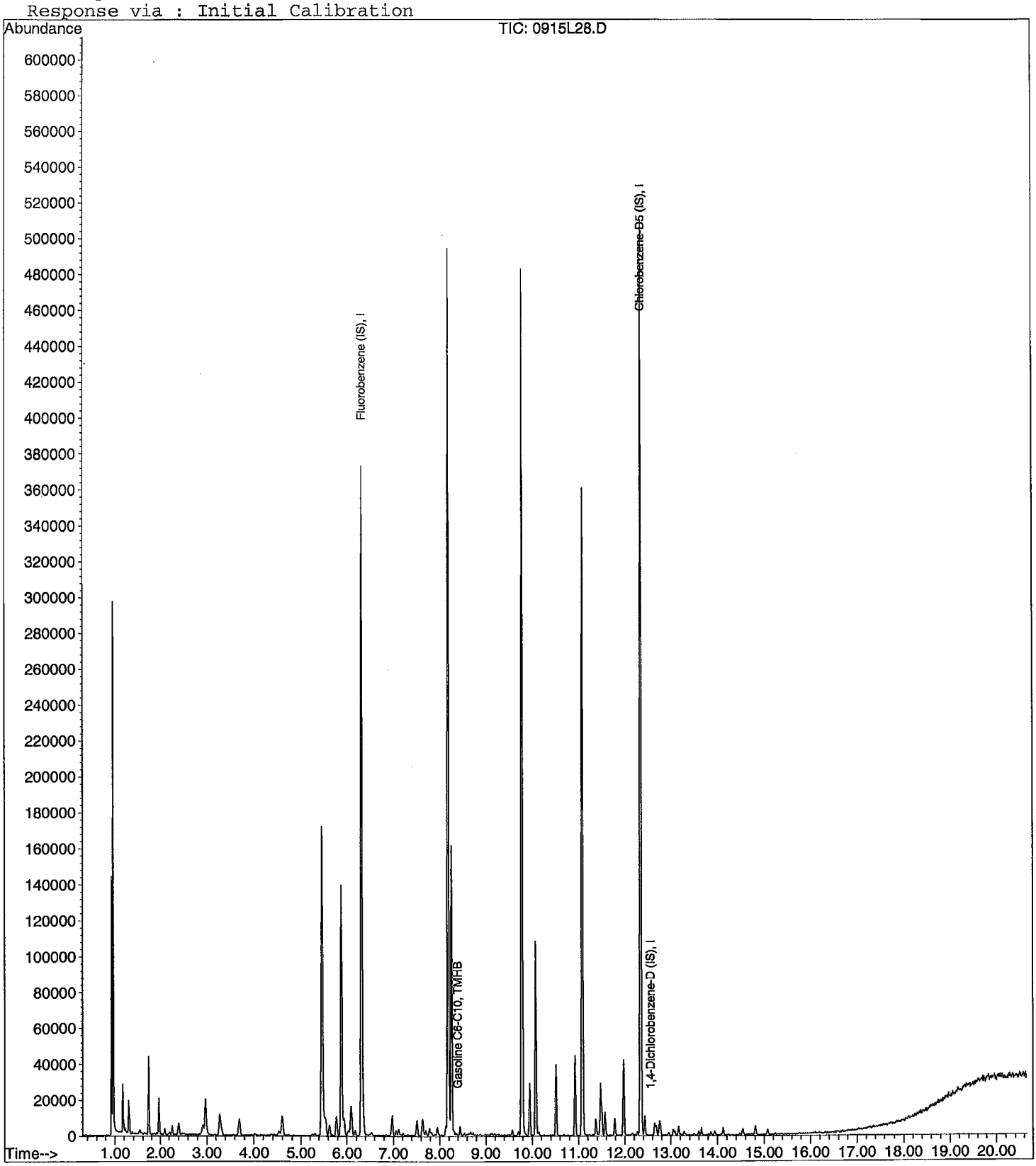
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.32	TIC	740703	25.00	ppb	0.00
3) Chlorobenzene-D5 (IS)	12.34	TIC	956556	25.00	ppb	0.00
4) 1,4-Dichlorobenzene-D (IS)	12.56	TIC	145	25.00	ppb	0.00
System Monitoring Compounds						
Target Compounds						Qvalue
2) Gasoline C6-C10	8.39	TIC	4207548m	99.80	ppb	100

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

Data File : M:\LOKI\DATA\210915\0915L28.D Vial: 18
Acq On : 15 Sep 21 23:46 Operator:
Sample : 300ug/L GAS STD 9/15/21 Inst : Loki
Misc : IS&S: 9/1/21 Multiplr: 1.00

Quant Time: Oct 29 16:40 2021 Quant Results File: LGAS0915.RES

Method : M:\LOKI\DATA\210915\LGAS0915.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Oct 29 16:40:47 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\LOKI\DATA\210915\0915L29.D Vial: 19
Acq On : 16 Sep 21 00:14 Operator:
Sample : 600ug/L GAS STD 9/15/21 Inst : Loki
Misc : IS&S: 9/1/21 Multiplr: 1.00

Quant Time: Oct 29 16:40 2021 Quant Results File: LGAS0915.RES

Quant Method : M:\LOKI\DATA\210915\LGAS0915.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Oct 29 16:39:47 2021
Response via : Initial Calibration
DataAcq Meth : 072021_L8260

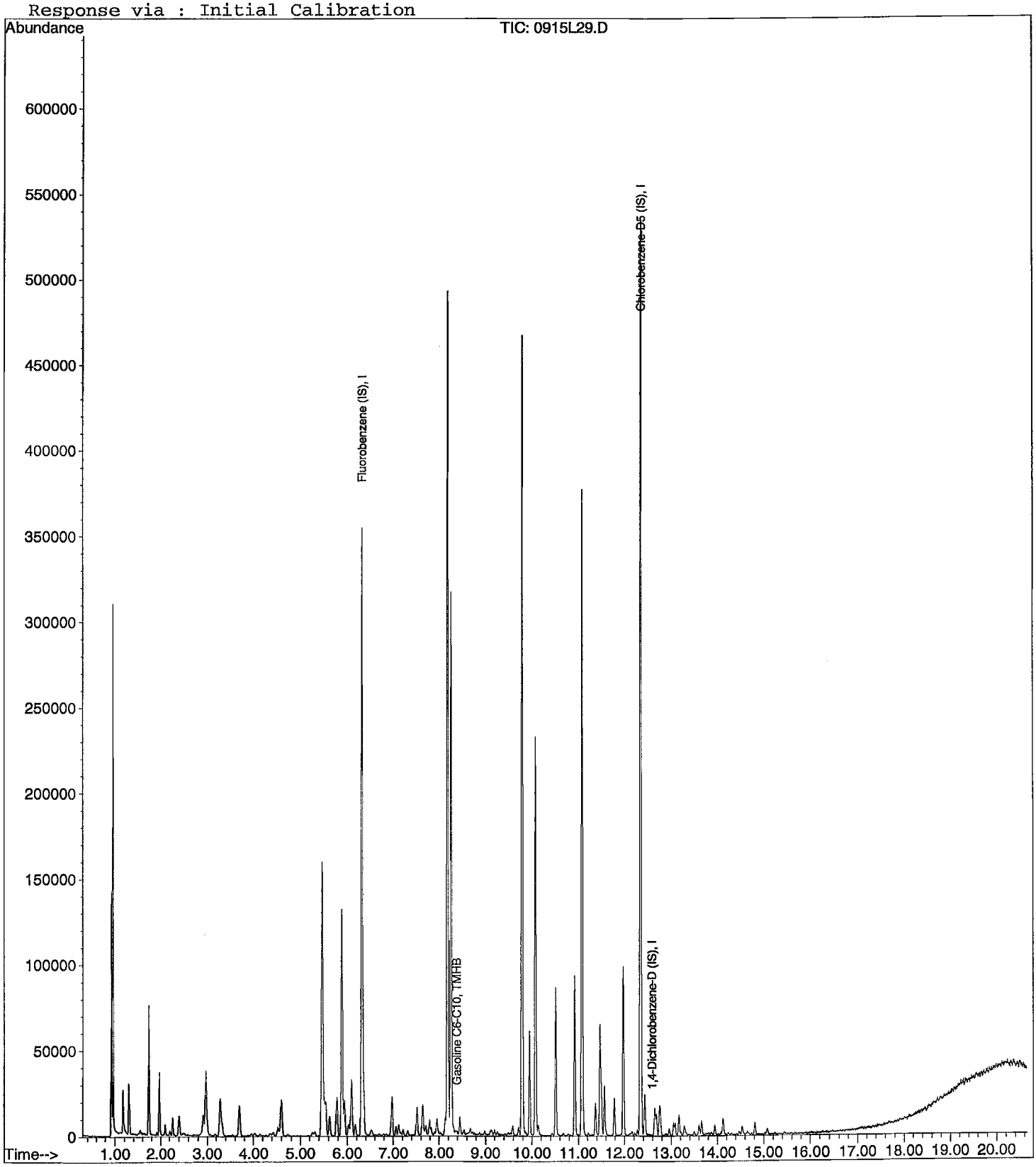
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.32	TIC	715900	25.00	ppb	0.00
3) Chlorobenzene-D5 (IS)	12.34	TIC	995478	25.00	ppb	0.00
4) 1,4-Dichlorobenzene-D (IS)	12.59	TIC	92	25.00	ppb	0.04
System Monitoring Compounds						
Target Compounds						Qvalue
2) Gasoline C6-C10	8.39	TIC	5531505m	427.82	ppb	100

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

Data File : M:\LOKI\DATA\210915\0915L29.D Vial: 19
Acq On : 16 Sep 21 00:14 Operator:
Sample : 600ug/L GAS STD 9/15/21 Inst : Loki
Misc : IS&S: 9/1/21 Multiplr: 1.00

Quant Time: Oct 29 16:40 2021 Quant Results File: LGAS0915.RES

Method : M:\LOKI\DATA\210915\LGAS0915.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Oct 29 16:40:47 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\LOKI\DATA\210915\0915L30.D Vial: 20
Acq On : 16 Sep 21 00:41 Operator:
Sample : 800ug/L GAS STD 9/15/21 Inst : Loki
Misc : IS&S: 9/1/21 Multiplr: 1.00

Quant Time: Oct 29 16:40 2021 Quant Results File: LGAS0915.RES

Quant Method : M:\LOKI\DATA\210915\LGAS0915.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Oct 29 16:39:47 2021
Response via : Initial Calibration
DataAcq Meth : 072021_L8260

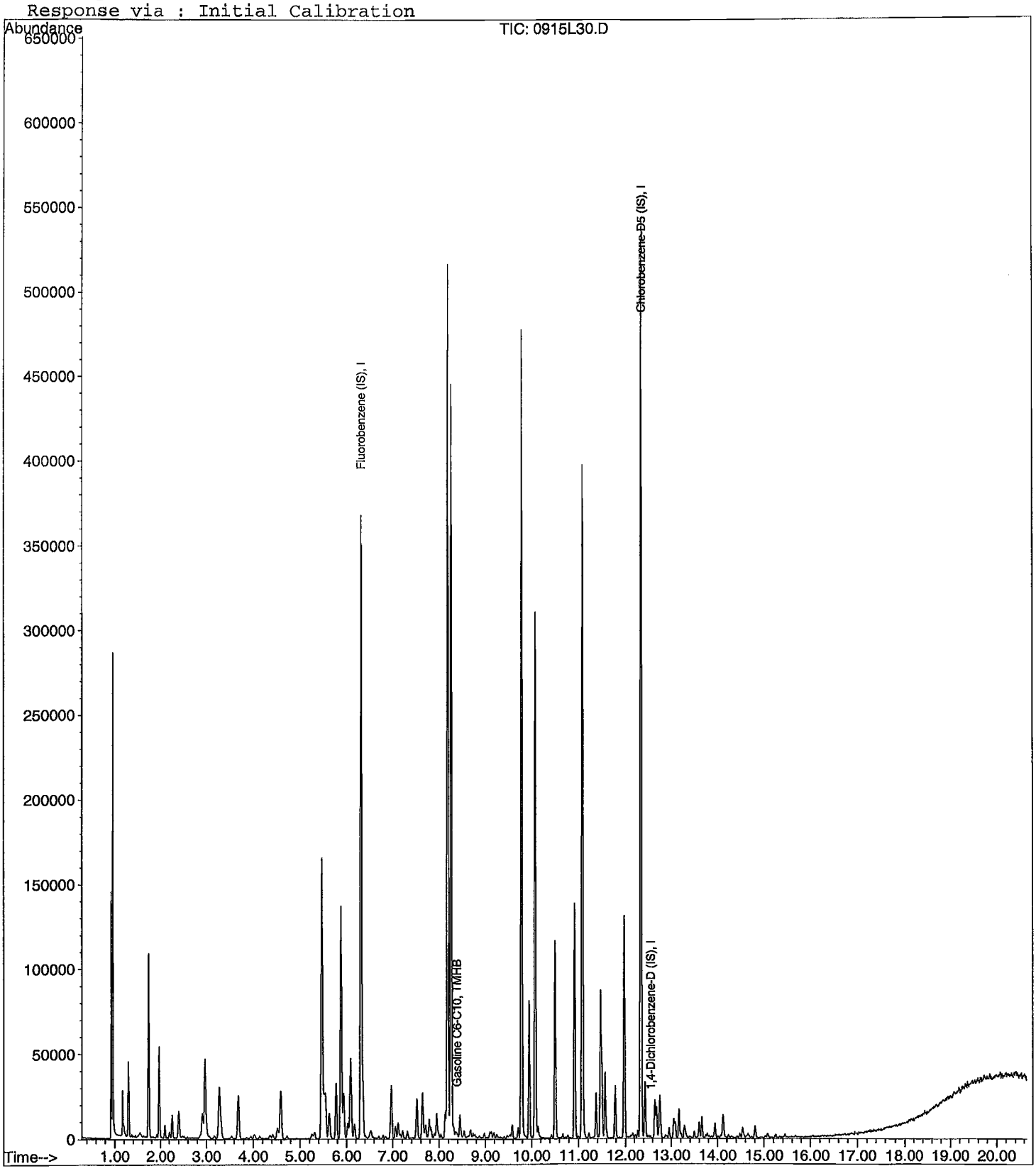
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.31	TIC	762632	25.00	ppb	0.00
3) Chlorobenzene-D5 (IS)	12.34	TIC	1012874	25.00	ppb	0.00
4) 1,4-Dichlorobenzene-D (IS)	12.55	TIC	1248	25.00	ppb	0.00
System Monitoring Compounds						
Target Compounds						Qvalue
2) Gasoline C6-C10	8.39	TIC	6638255m	584.57	ppb	100

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

Data File : M:\LOKI\DATA\210915\0915L30.D Vial: 20
Acq On : 16 Sep 21 00:41 Operator:
Sample : 800ug/L GAS STD 9/15/21 Inst : Loki
Misc : IS&S: 9/1/21 Multiplr: 1.00

Quant Time: Oct 29 16:40 2021 Quant Results File: LGAS0915.RES

Method : M:\LOKI\DATA\210915\LGAS0915.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Oct 29 16:40:47 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\LOKI\DATA\210915\0915L31.D Vial: 21
Acq On : 16 Sep 21 1:09 Operator:
Sample : 1000ug/L GAS STD 9/15/21 Inst : Loki
Misc : IS&S: 9/1/21 Multiplr: 1.00

Quant Time: Oct 29 16:40 2021 Quant Results File: LGAS0915.RES

Quant Method : M:\LOKI\DATA\210915\LGAS0915.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Oct 29 16:39:47 2021
Response via : Initial Calibration
DataAcq Meth : 072021_L8260

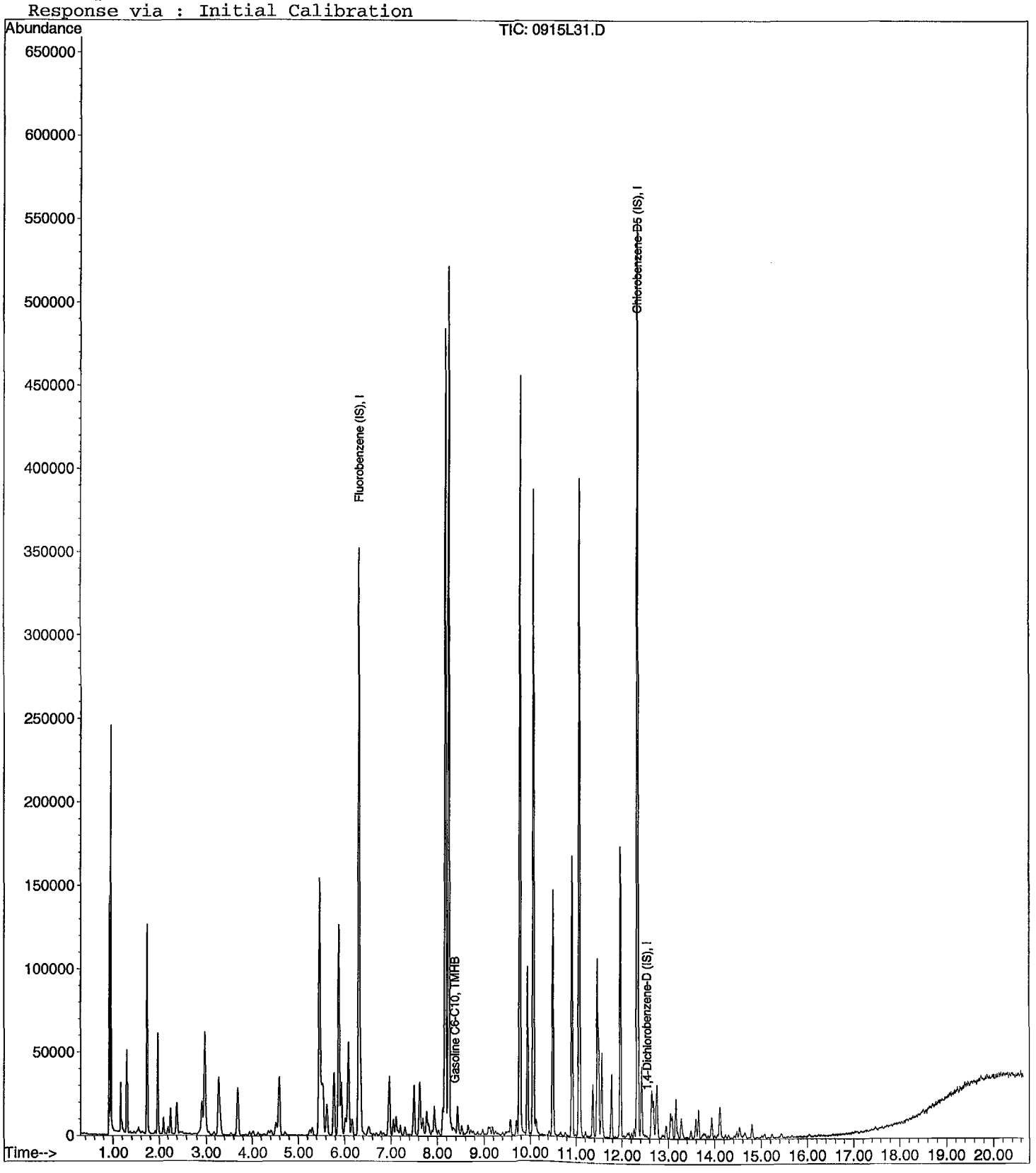
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.31	TIC	715792	25.00	ppb	0.00
3) Chlorobenzene-D5 (IS)	12.34	TIC	1019583	25.00	ppb	0.00
4) 1,4-Dichlorobenzene-D (IS)	12.54	TIC	2293	25.00	ppb	-0.01
System Monitoring Compounds						
Target Compounds						Qvalue
2) Gasoline C6-C10	8.39	TIC	7229434m	808.28	ppb	100

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

Data File : M:\LOKI\DATA\210915\0915L31.D Vial: 21
Acq On : 16 Sep 21 1:09 Operator:
Sample : 1000ug/L GAS STD 9/15/21 Inst : Loki
Misc : IS&S: 9/1/21 Multiplr: 1.00

Quant Time: Oct 29 16:40 2021 Quant Results File: LGAS0915.RES

Method : M:\LOKI\DATA\210915\LGAS0915.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Oct 29 16:40:47 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: 9/16/2021
Instrument: Loki
Initial Cal. Date: 9/15/2021
Data File: 0915L33.D

		Compound	MEAN	CCRF	%D		%Drift
1	TMHB	Gasoline C6-C10	1.473	0.5189	65	TMHBL	18
2							
3							
4							
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39							
40							
		Average			65.0		

Quantitation Report (Not Reviewed)

Data File : M:\LOKI\DATA\210915\0915L33.D Vial: 23
Acq On : 16 Sep 21 2:04 Operator:
Sample : (SS) 300ug/L GAS STD 9/15/21 Inst : Loki
Misc : IS&S: 9/1/21 Multiplr: 1.00

Quant Time: Oct 29 16:41 2021 Quant Results File: LGAS0915.RES

Quant Method : M:\LOKI\DATA\210915\LGAS0915.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Oct 29 16:40:47 2021
Response via : Initial Calibration
DataAcq Meth : 072021_L8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.31	TIC	673407	25.00	ppb	0.00
3) Chlorobenzene-D5 (IS)	12.34	TIC	923405	25.00	ppb	0.00
4) 1,4-Dichlorobenzene-D (IS)	12.56	TIC	400	25.00	ppb	0.00

System Monitoring Compounds

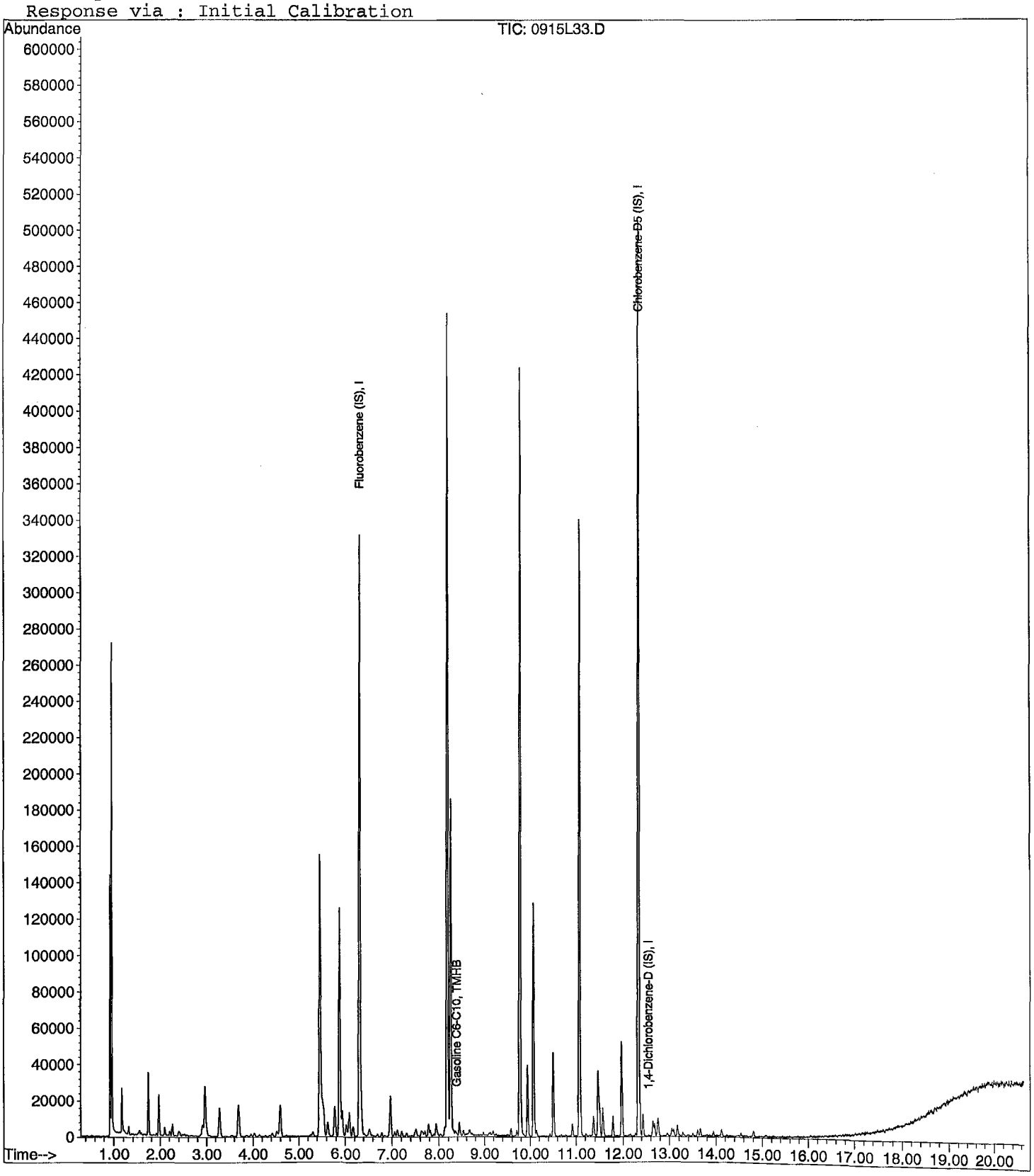
Target Compounds						Qvalue
2) Gasoline C6-C10	8.39	TIC	4192905m	354.91	ppb	100

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

Data File : M:\LOKI\DATA\210915\0915L33.D Vial: 23
Acq On : 16 Sep 21 2:04 Operator:
Sample : (SS) 300ug/L GAS STD 9/15/21 Inst : Loki
Misc : IS&S: 9/1/21 Multiplr: 1.00

Quant Time: Oct 29 16:41 2021 Quant Results File: LGAS0915.RES

Method : M:\LOKI\DATA\210915\LGAS0915.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Oct 29 16:40:47 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: 9/20/2021
Instrument: Loki
Initial Cal. Date: 9/15/2021
Data File: 0920L32.D

		Compound	MEAN	CCRF	%D		%Drift
1	I	Fluorobenzene (IS)	ISTD			I	
2	TMHB	Gasoline C6-C10	1.473	0.4959	66	TMHBL	2.6
3	I	Chlorobenzene-D5 (IS)	ISTD			I	
4	I	1,4-Dichlorobenzene-D (IS)	ISTD			I	
5							
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7							
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38							
39							
40							
		Average			66.0		

Quantitation Report (QT Reviewed)

Data File : M:\LOKI\DATA\210915\0920L32.D Vial: 32
Acq On : 20 Sep 21 22:27 Operator:
Sample : 210920B CCV 300ug/L Inst : Loki
Misc : IS&S: 9/1/21 Multiplr: 1.00

Quant Time: Oct 30 10:29 2021 Quant Results File: LGAS0915.RES

Quant Method : M:\LOKI\DATA\210915\LGAS0915.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Oct 29 16:40:47 2021
Response via : Initial Calibration
DataAcq Meth : 072021_L8260

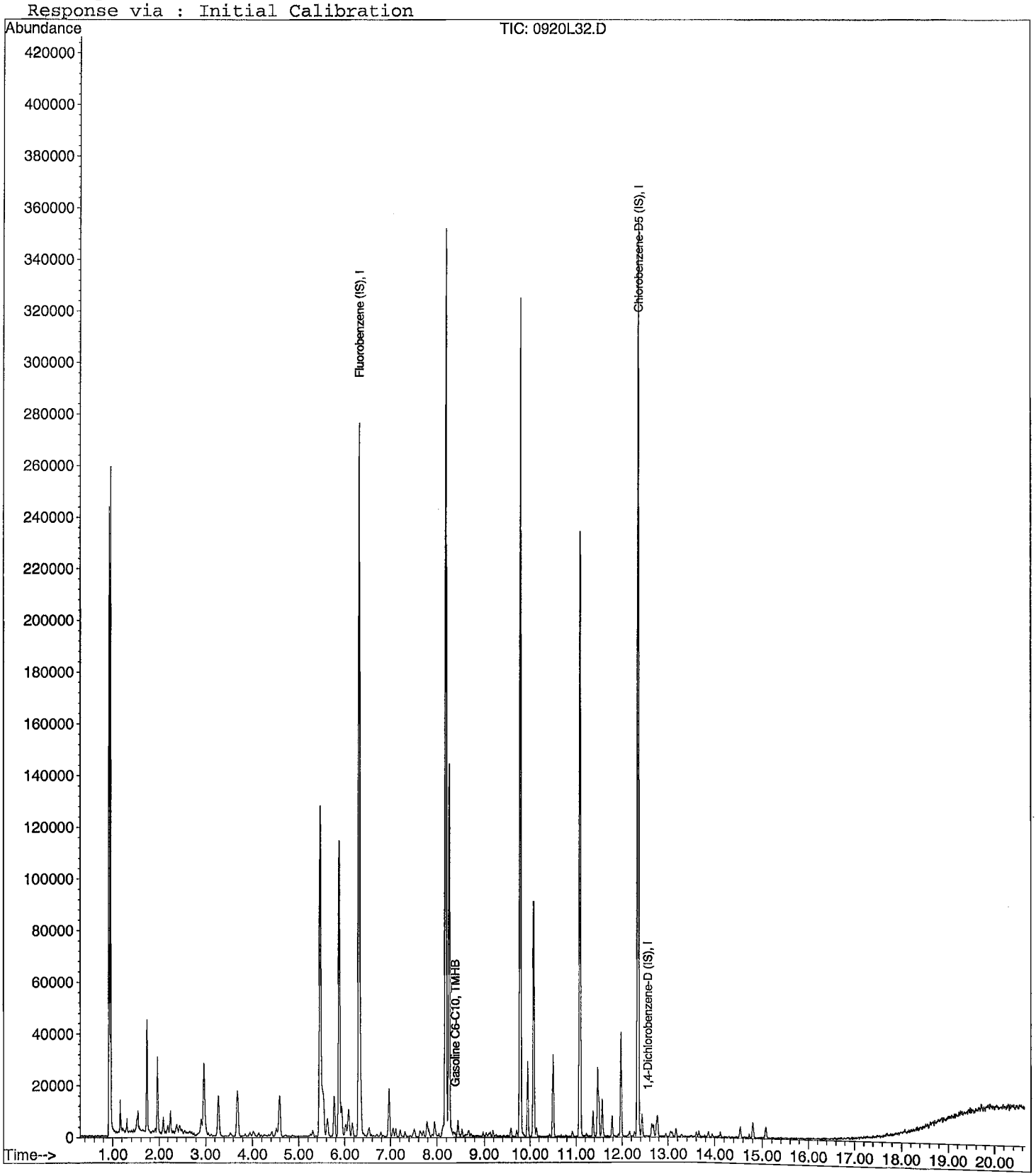
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.31	TIC	553179	25.00	ppb	0.00
3) Chlorobenzene-D5 (IS)	12.34	TIC	652211	25.00	ppb	0.00
4) 1,4-Dichlorobenzene-D (IS)	12.55	TIC	283	25.00	ppb	0.00
System Monitoring Compounds						
Target Compounds						Qvalue
2) Gasoline C6-C10	8.39	TIC	3292131m	307.67	ppb	100

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

Data File : M:\LOKI\DATA\210915\0920L32.D Vial: 32
Acq On : 20 Sep 21 22:27 Operator:
Sample : 210920B CCV 300ug/L Inst : Loki
Misc : IS&S: 9/1/21 Multiplr: 1.00

Quant Time: Oct 30 10:29 2021 Quant Results File: LGAS0915.RES

Method : M:\LOKI\DATA\210915\LGAS0915.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Oct 29 16:40:47 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: 9/21/2021
Instrument: Loki
Initial Cal. Date: 9/15/2021
Data File: 0920L46.D

		Compound	MEAN	CCRF	%D	%Drift	
1	I	Fluorobenzene (IS)	ISTD			I	
2	TMHB	Gasoline C6-C10	1.473	0.4893	67	TMHBL	2.0
3	I	Chlorobenzene-D5 (IS)	ISTD			I	
4	I	1,4-Dichlorobenzene-D (IS)	ISTD			I	
5							
6							
7							
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37							
38							
39							
40							
		Average			67.0		

Data File : M:\LOKI\DATA\210915\0920L46.D Vial: 46
Acq On : 21 Sep 21 4:51 Operator:
Sample : Ending CCV 300ug/L 9/20/21 Inst : Loki
Misc : IS&S: 9/1/21 Multiplr: 1.00

Quant Time: Oct 30 10:30 2021 Quant Results File: LGAS0915.RES

Quant Method : M:\LOKI\DATA\210915\LGAS0915.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Oct 29 16:40:47 2021
Response via : Initial Calibration
DataAcq Meth : 072021_L8260

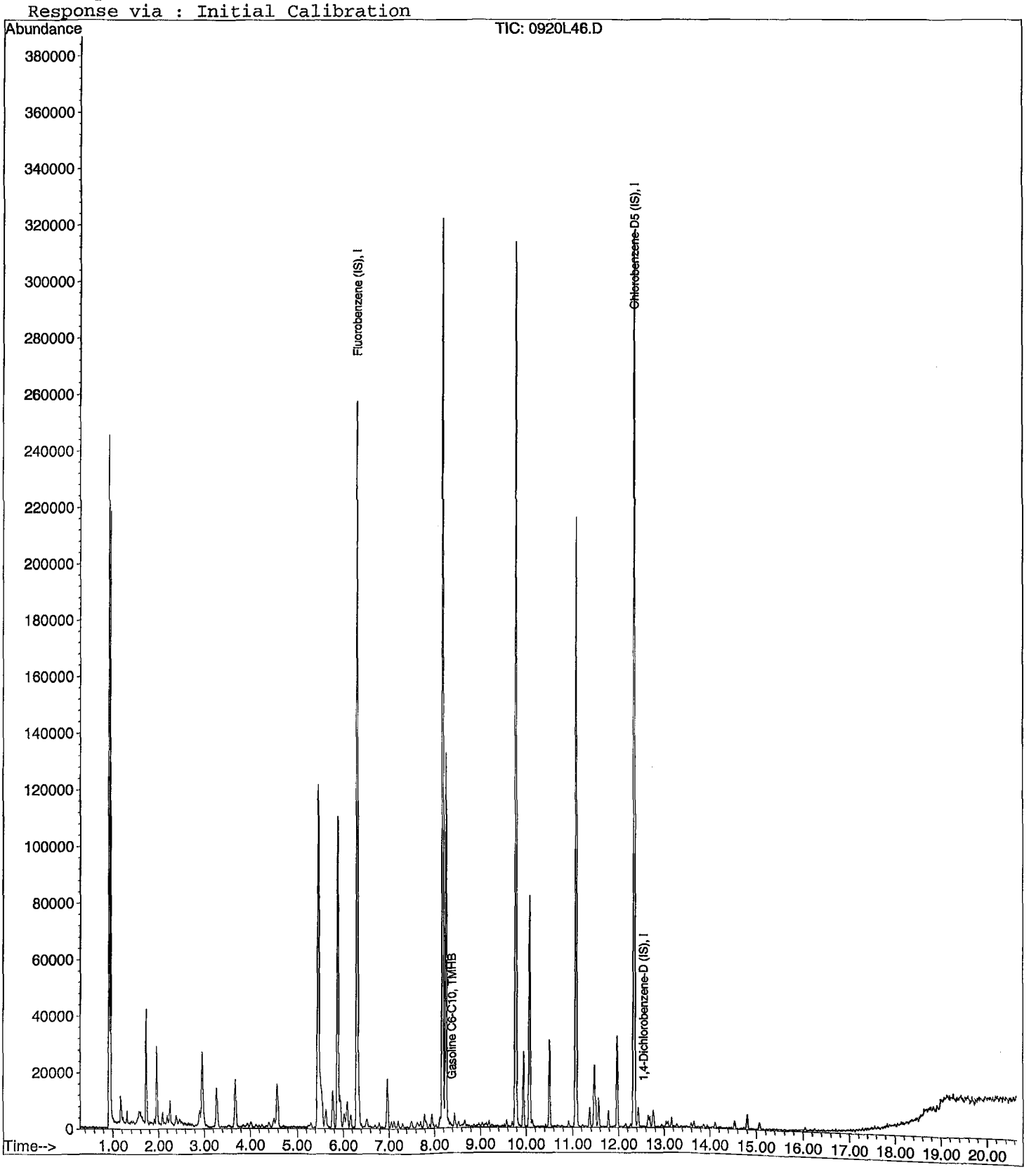
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	6.31	TIC	513649	25.00 ppb	0.00
3) Chlorobenzene-D5 (IS)	12.34	TIC	586521	25.00 ppb	0.00
4) 1,4-Dichlorobenzene-D (IS)	12.53	TIC	105	25.00 ppb	-0.02
System Monitoring Compounds					
Target Compounds					Qvalue
2) Gasoline C6-C10	8.39	TIC	3016206m	294.07 ppb	100

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

Data File : M:\LOKI\DATA\210915\0920L46.D Vial: 46
Acq On : 21 Sep 21 4:51 Operator:
Sample : Ending CCV 300ug/L 9/20/21 Inst : Loki
Misc : IS&S: 9/1/21 Multiplr: 1.00

Quant Time: Oct 30 10:30 2021 Quant Results File: LGAS0915.RES

Method : M:\LOKI\DATA\210915\LGAS0915.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Oct 29 16:40:47 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: 9/20/2021
Instrument: Loki
Initial Cal. Date: 9/15/2021
Data File: 0920L33.D

		Compound	MEAN	CCRF	%D		%Drift
1	I	Fluorobenzene (IS)	ISTD			I	
2	TMHB	Gasoline C6-C10	1.473	0.5061	66	TMHBL	9.5
3	I	Chlorobenzene-D5 (IS)	ISTD			I	
4	I	1,4-Dichlorobenzene-D (IS)	ISTD			I	
5							
6							
7							
8							
9							
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37							
38							
39							
40							
		Average			66.0		

Data File : M:\LOKI\DATA\210915\0920L33.D Vial: 33
Acq On : 20 Sep 21 22:54 Operator:
Sample : 210920B LCS 300ug/L Inst : Loki
Misc : IS&S: 9/1/21 Multiplr: 1.00

Quant Time: Oct 30 10:31 2021 Quant Results File: LGAS0915.RES

Quant Method : M:\LOKI\DATA\210915\LGAS0915.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Oct 29 16:40:47 2021
Response via : Initial Calibration
DataAcq Meth : 072021_L8260

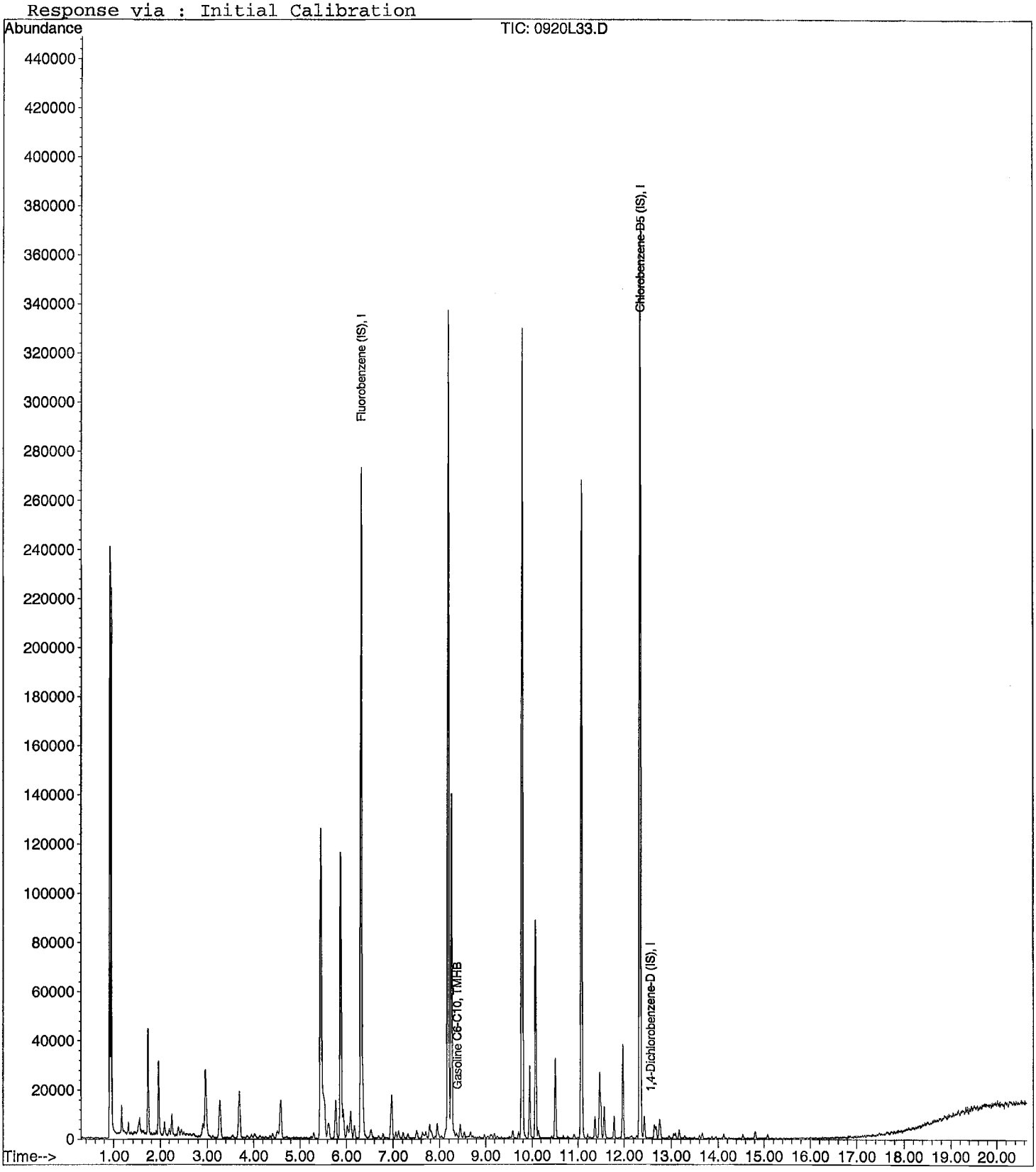
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.31	TIC	548265	25.00	ppb	0.00
3) Chlorobenzene-D5 (IS)	12.34	TIC	703796	25.00	ppb	0.00
4) 1,4-Dichlorobenzene-D (IS)	12.57	TIC	107	25.00	ppb	0.00
System Monitoring Compounds						
Target Compounds						Qvalue
2) Gasoline C6-C10	8.39	TIC	3329665m	328.58	ppb	100

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

Data File : M:\LOKI\DATA\210915\0920L33.D Vial: 33
Acq On : 20 Sep 21 22:54 Operator:
Sample : 210920B LCS 300ug/L Inst : Loki
Misc : IS&S: 9/1/21 Multiplr: 1.00

Quant Time: Oct 30 10:31 2021 Quant Results File: LGAS0915.RES

Method : M:\LOKI\DATA\210915\LGAS0915.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Oct 29 16:40:47 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: 9/21/2021
Instrument: Loki
Initial Cal. Date: 9/15/2021
Data File: 0920L46.D

		Compound	MEAN	CCRF	%D		%Drift
1	I	Fluorobenzene (IS)	ISTD			I	
2	TMHB	Gasoline C6-C10	1.473	0.4893	67	TMHBL	2.0
3	I	Chlorobenzene-D5 (IS)	ISTD			I	
4	I	1,4-Dichlorobenzene-D (IS)	ISTD			I	
5							
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40							
		Average			67.0		

Data File : M:\LOKI\DATA\210915\0920L46.D Vial: 46
Acq On : 21 Sep 21 4:51 Operator:
Sample : Ending CCV 300ug/L 9/20/21 Inst : Loki
Misc : IS&S: 9/1/21 Multiplr: 1.00

Quant Time: Oct 30 10:30 2021 Quant Results File: LGAS0915.RES

Quant Method : M:\LOKI\DATA\210915\LGAS0915.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Oct 29 16:40:47 2021
Response via : Initial Calibration
DataAcq Meth : 072021_L8260

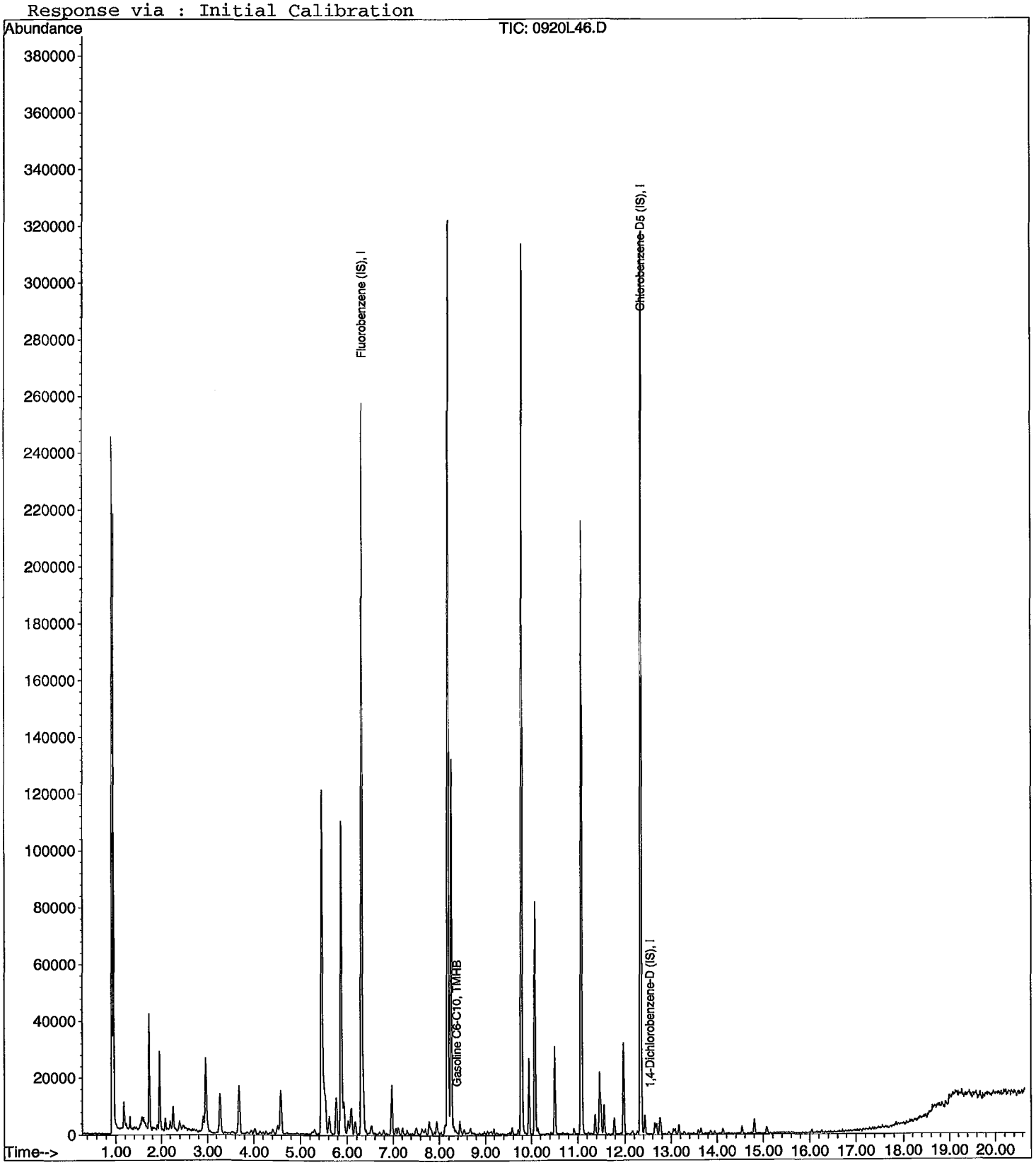
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.31	TIC	513649	25.00	ppb	0.00
3) Chlorobenzene-D5 (IS)	12.34	TIC	586521	25.00	ppb	0.00
4) 1,4-Dichlorobenzene-D (IS)	12.53	TIC	105	25.00	ppb	-0.02
System Monitoring Compounds						
Target Compounds						Qvalue
2) Gasoline C6-C10	8.39	TIC	3016206m	294.07	ppb	100

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

Data File : M:\LOKI\DATA\210915\0920L46.D Vial: 46
Acq On : 21 Sep 21 4:51 Operator:
Sample : Ending CCV 300ug/L 9/20/21 Inst : Loki
Misc : IS&S: 9/1/21 Multiplr: 1.00

Quant Time: Oct 30 10:30 2021 Quant Results File: LGAS0915.RES

Method : M:\LOKI\DATA\210915\LGAS0915.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Oct 29 16:40:47 2021
Response via : Initial Calibration



ORGANICS
Raw Data

Data File : M:\LOKI\DATA\210915\0920L36.D Vial: 36
Acq On : 21 Sep 21 00:17 Operator:
Sample : BA40208W02 Inst : Loki
Misc : IS&S: 9/1/21 Multiplr: 1.00

Quant Time: Oct 30 10:35 2021 Quant Results File: LGAS0915.RES

Quant Method : M:\LOKI\DATA\210915\LGAS0915.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Oct 29 16:40:47 2021
Response via : Initial Calibration
DataAcq Meth : 072021_L8260

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	6.31	TIC	489352	25.00 ppb	0.00
3) Chlorobenzene-D5 (IS)	12.34	TIC	535275	25.00 ppb	0.00
4) 1,4-Dichlorobenzene-D (IS)	12.57	TIC	516	25.00 ppb	0.02

System Monitoring Compounds

Target Compounds Qvalue

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

Data File : M:\LOKI\DATA\210915\0920L36.D Vial: 36
Acq On : 21 Sep 21 00:17 Operator:
Sample : BA40208W02 Inst : Loki
Misc : IS&S: 9/1/21 Multiplr: 1.00

Quant Time: Oct 30 10:36 2021 Quant Results File: LSUR915.RES

Quant Method : M:\LOKI\DATA\210915\LSUR915.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Oct 29 17:03:16 2021
Response via : Initial Calibration
DataAcq Meth : 072021_L8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.31	96	240855	25.00	ppb	0.00
4) Chlorobenzene-D5 (IS)	9.78	117	199336	25.00	ppb	0.00
7) 1,4-Dichlorobenzene-D4 (IS	12.34	152	97969	25.00	ppb	0.00
System Monitoring Compounds						
2) Dibromofluoromethane(S)	5.46	113	78066	26.88	ppb	0.00
Spiked Amount 25.000			Recovery =	107.528%		
3) 1,2-DCA-D4(S)	5.88	65	83062	32.43	ppb	0.00
Spiked Amount 25.000			Recovery =	129.712%		
5) Toluene-D8(S)	8.18	98	221199	24.55	ppb	0.00
Spiked Amount 25.000			Recovery =	98.184%		
6) 4-Bromofluorobenzene(S)	11.08	174	74736	21.79	ppb	0.00
Spiked Amount 25.000			Recovery =	87.176%		

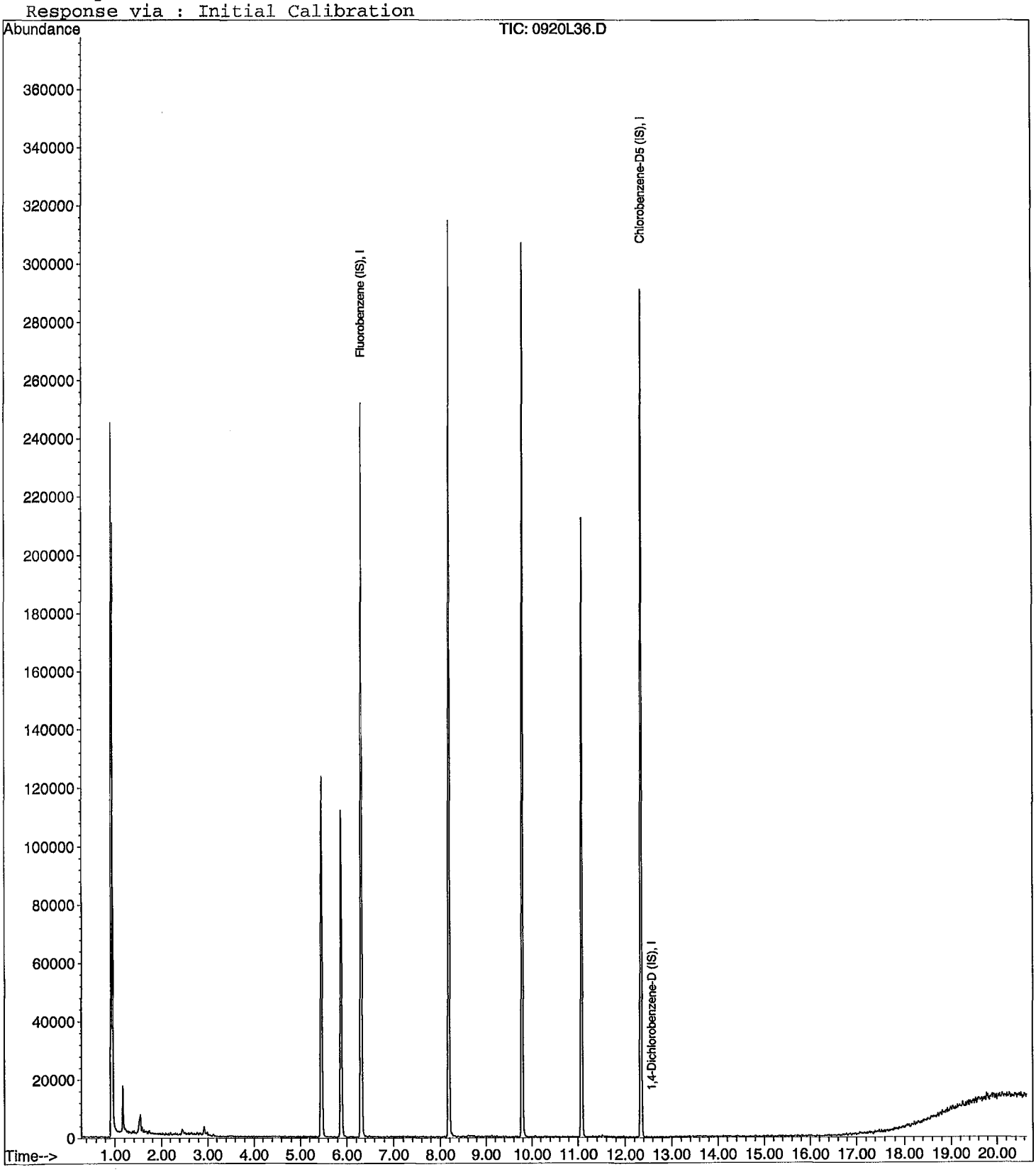
Target Compounds Qvalue

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

Data File : M:\LOKI\DATA\210915\0920L36.D Vial: 36
Acq On : 21 Sep 21 00:17 Operator:
Sample : BA40208W02 Inst : Loki
Misc : IS&S: 9/1/21 Multiplr: 1.00

Quant Time: Oct 30 10:35 2021 Quant Results File: LGAS0915.RES

Method : M:\LOKI\DATA\210915\LGAS0915.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Oct 29 16:40:47 2021
Response via : Initial Calibration



Data File : M:\LOKI\DATA\210915\0920L37.D Vial: 37
Acq On : 21 Sep 21 00:44 Operator:
Sample : BA40209W02 Inst : Loki
Misc : IS&S: 9/1/21 Multiplr: 1.00

Quant Time: Oct 30 10:35 2021 Quant Results File: LGAS0915.RES

Quant Method : M:\LOKI\DATA\210915\LGAS0915.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Oct 29 16:40:47 2021
Response via : Initial Calibration
DataAcq Meth : 072021_L8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.31	TIC	491038	25.00	ppb	0.00
3) Chlorobenzene-D5 (IS)	12.34	TIC	593923	25.00	ppb	0.00
4) 1,4-Dichlorobenzene-D (IS)	12.56	TIC	3073	25.00	ppb	0.00

System Monitoring Compounds

Target Compounds Qvalue

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

Data File : M:\LOKI\DATA\210915\0920L37.D Vial: 37
Acq On : 21 Sep 21 00:44 Operator:
Sample : BA40209W02 Inst : Loki
Misc : IS&S: 9/1/21 Multiplr: 1.00

Quant Time: Oct 30 10:36 2021 Quant Results File: LSUR915.RES

Quant Method : M:\LOKI\DATA\210915\LSUR915.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Oct 29 17:03:16 2021
Response via : Initial Calibration
DataAcq Meth : 072021_L8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.31	96	240649	25.00	ppb	0.00
4) Chlorobenzene-D5 (IS)	9.78	117	195718	25.00	ppb	0.00
7) 1,4-Dichlorobenzene-D4 (IS	12.34	152	109922	25.00	ppb	0.00
System Monitoring Compounds						
2) Dibromofluoromethane(S)	5.46	113	79906	27.54	ppb	0.00
Spiked Amount 25.000			Recovery =	110.156%		
3) 1,2-DCA-D4(S)	5.88	65	84925	33.18	ppb	0.00
Spiked Amount 25.000			Recovery =	132.736%		
5) Toluene-D8(S)	8.18	98	220678	24.94	ppb	0.00
Spiked Amount 25.000			Recovery =	99.764%		
6) 4-Bromofluorobenzene(S)	11.08	174	72139	21.43	ppb	0.00
Spiked Amount 25.000			Recovery =	85.704%		

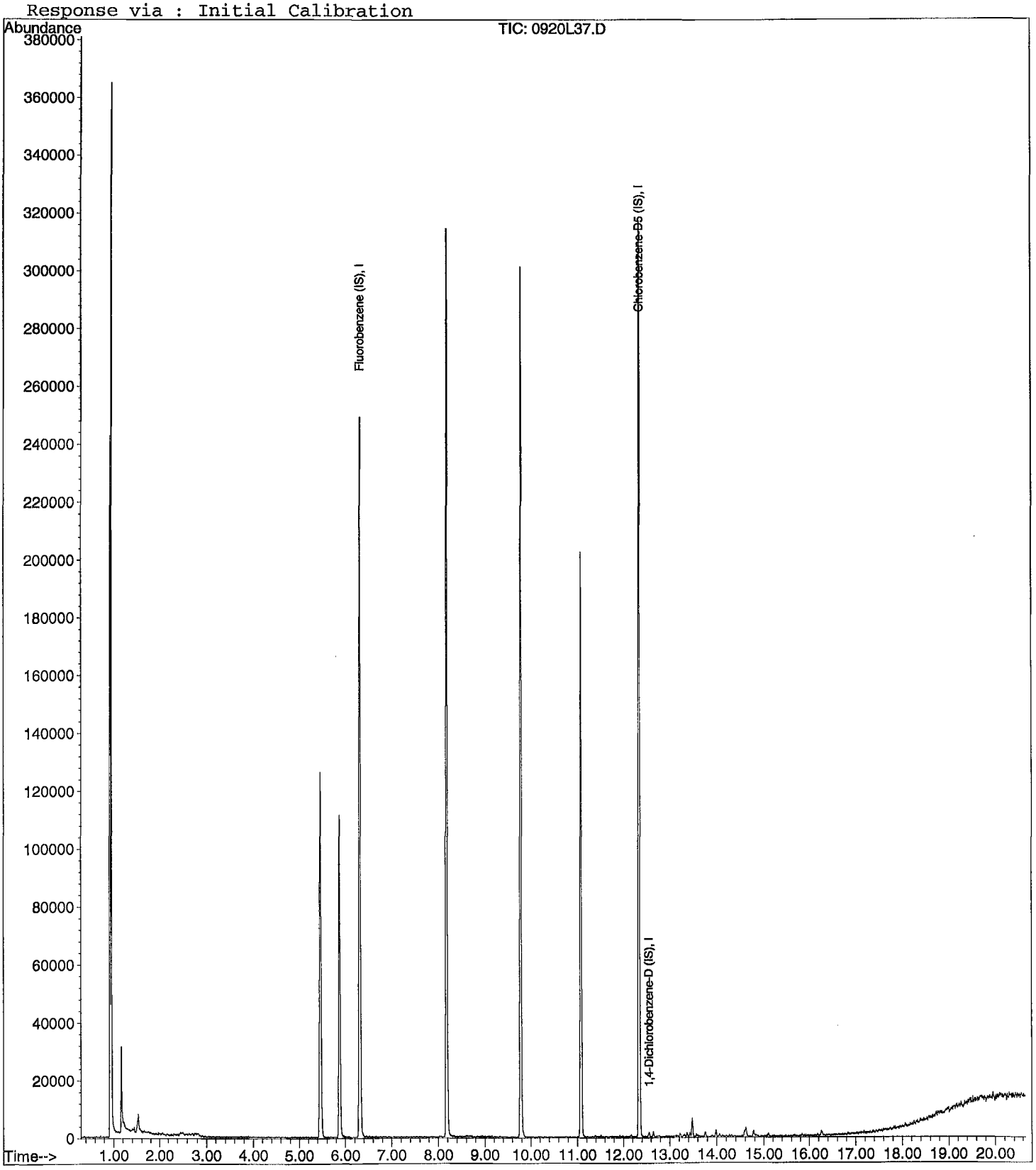
Target Compounds Qvalue

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

Data File : M:\LOKI\DATA\210915\0920L37.D Vial: 37
Acq On : 21 Sep 21 00:44 Operator:
Sample : BA40209W02 Inst : Loki
Misc : IS&S: 9/1/21 Multiplr: 1.00

Quant Time: Oct 30 10:35 2021 Quant Results File: LGAS0915.RES

Method : M:\LOKI\DATA\210915\LGAS0915.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Oct 29 16:40:47 2021
Response via : Initial Calibration



Data File : M:\LOKI\DATA\210915\0920L38.D Vial: 38
Acq On : 21 Sep 21 1:12 Operator:
Sample : BA40210W01 Inst : Loki
Misc : IS&S: 9/1/21 Multiplr: 1.00

Quant Time: Oct 30 10:35 2021 Quant Results File: LGAS0915.RES

Quant Method : M:\LOKI\DATA\210915\LGAS0915.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Oct 29 16:40:47 2021
Response via : Initial Calibration
DataAcq Meth : 072021_L8260

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	6.31	TIC	487492	25.00 ppb	0.00
3) Chlorobenzene-D5 (IS)	12.34	TIC	539484	25.00 ppb	0.00
4) 1,4-Dichlorobenzene-D (IS)	12.56	TIC	661	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\210915\0920L38.D Vial: 38
Acq On : 21 Sep 21 1:12 Operator:
Sample : BA40210W01 Inst : Loki
Misc : IS&S: 9/1/21 Multiplr: 1.00

Quant Time: Oct 30 10:36 2021 Quant Results File: LSUR915.RES

Quant Method : M:\LOKI\DATA\210915\LSUR915.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Oct 29 17:03:16 2021
Response via : Initial Calibration
DataAcq Meth : 072021_L8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.31	96	239702	25.00	ppb	0.00
4) Chlorobenzene-D5 (IS)	9.78	117	200385	25.00	ppb	0.00
7) 1,4-Dichlorobenzene-D4 (IS	12.34	152	100194	25.00	ppb	0.00
System Monitoring Compounds						
2) Dibromofluoromethane(S)	5.46	113	80913	28.00	ppb	0.00
Spiked Amount 25.000			Recovery =	111.984%		
3) 1,2-DCA-D4(S)	5.88	65	84703	33.23	ppb	0.00
Spiked Amount 25.000			Recovery =	132.912%		
5) Toluene-D8(S)	8.18	98	219525	24.23	ppb	0.00
Spiked Amount 25.000			Recovery =	96.928%		
6) 4-Bromofluorobenzene(S)	11.08	174	73889	21.43	ppb	0.00
Spiked Amount 25.000			Recovery =	85.740%		

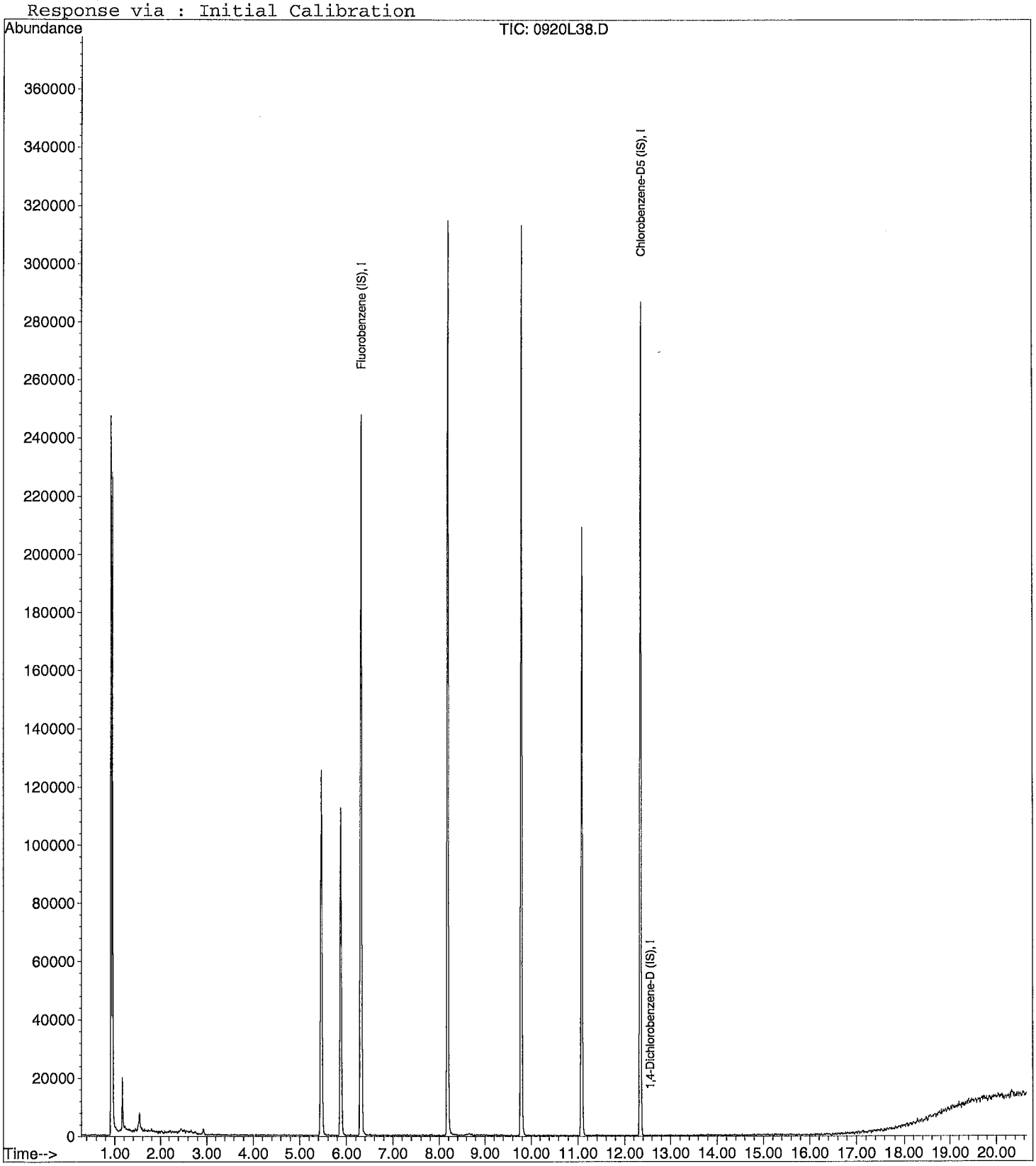
Target Compounds Qvalue

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

Data File : M:\LOKI\DATA\210915\0920L38.D Vial: 38
Acq On : 21 Sep 21 1:12 Operator:
Sample : BA40210W01 Inst : Loki
Misc : IS&S: 9/1/21 Multiplr: 1.00

Quant Time: Oct 30 10:35 2021 Quant Results File: LGAS0915.RES

Method : M:\LOKI\DATA\210915\LGAS0915.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Oct 29 16:40:47 2021
Response via : Initial Calibration



Data File : M:\LOKI\DATA\210915\0920L39.D Vial: 39
Acq On : 21 Sep 21 1:39 Operator:
Sample : BA40211W02 Inst : Loki
Misc : IS&S: 9/1/21 Multiplr: 1.00

Quant Time: Oct 30 10:33 2021 Quant Results File: LGAS0915.RES

Quant Method : M:\LOKI\DATA\210915\LGAS0915.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Oct 29 16:40:47 2021
Response via : Initial Calibration
DataAcq Meth : 072021_L8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.31	TIC	510527	25.00	ppb	0.00
3) Chlorobenzene-D5 (IS)	12.34	TIC	700865	25.00	ppb	0.00
4) 1,4-Dichlorobenzene-D (IS)	12.56	TIC	24051	25.00	ppb	0.00
System Monitoring Compounds						
Target Compounds						Qvalue
2) Gasoline C6-C10	8.39	TIC	2294632m	57.54	ppb	100

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

Data File : M:\LOKI\DATA\210915\0920L39.D Vial: 39
Acq On : 21 Sep 21 1:39 Operator:
Sample : BA40211W02 Inst : Loki
Misc : IS&S: 9/1/21 Multiplr: 1.00

Quant Time: Oct 30 10:37 2021 Quant Results File: LSUR915.RES

Quant Method : M:\LOKI\DATA\210915\LSUR915.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Oct 29 17:03:16 2021
Response via : Initial Calibration
DataAcq Meth : 072021_L8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.31	96	254577	25.00	ppb	0.00
4) Chlorobenzene-D5 (IS)	9.78	117	208196	25.00	ppb	0.00
7) 1,4-Dichlorobenzene-D4 (IS	12.34	152	127702	25.00	ppb	0.00
System Monitoring Compounds						
2) Dibromofluoromethane(S)	5.46	113	81951	26.70	ppb	0.00
Spiked Amount 25.000			Recovery = 106.796%			
3) 1,2-DCA-D4(S)	5.88	65	87616	32.36	ppb	0.00
Spiked Amount 25.000			Recovery = 129.448%			
5) Toluene-D8(S)	8.18	98	227671	24.19	ppb	0.00
Spiked Amount 25.000			Recovery = 96.756%			
6) 4-Bromofluorobenzene(S)	11.08	174	91858	25.65	ppb	0.00
Spiked Amount 25.000			Recovery = 102.592%			

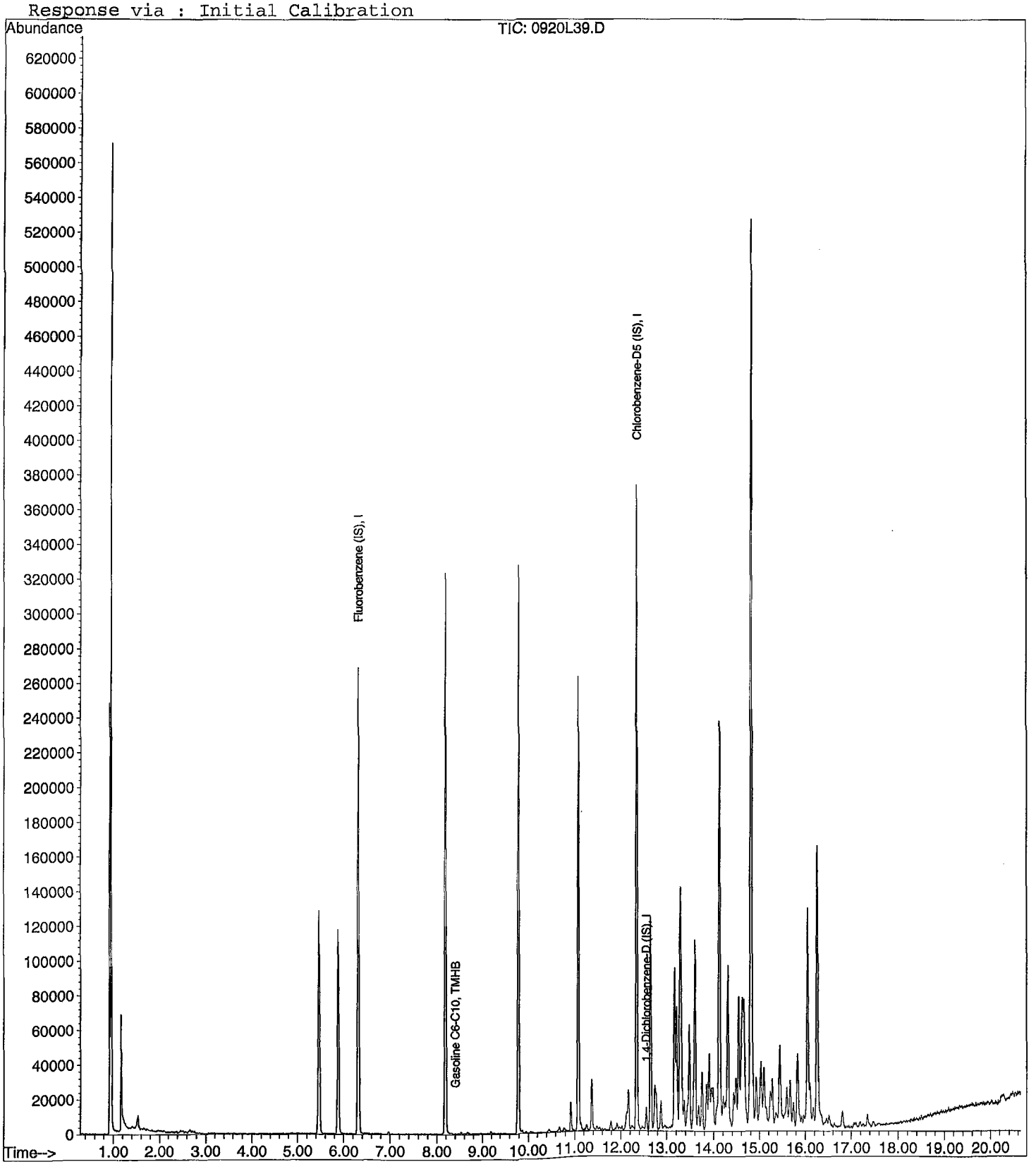
Target Compounds Qvalue

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

Data File : M:\LOKI\DATA\210915\0920L39.D Vial: 39
Acq On : 21 Sep 21 1:39 Operator:
Sample : BA40211W02 Inst : Loki
Misc : IS&S: 9/1/21 Multiplr: 1.00

Quant Time: Oct 30 10:33 2021 Quant Results File: LGAS0915.RES

Method : M:\LOKI\DATA\210915\LGAS0915.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Oct 29 16:40:47 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\LOKI\DATA\210915\0920L40.D Vial: 40
Acq On : 21 Sep 21 2:06 Operator:
Sample : BA40212W02 Inst : Loki
Misc : IS&S: 9/1/21 Multiplr: 1.00

Quant Time: Oct 30 10:34 2021 Quant Results File: LGAS0915.RES

Quant Method : M:\LOKI\DATA\210915\LGAS0915.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Oct 29 16:40:47 2021
Response via : Initial Calibration
DataAcq Meth : 072021_L8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.31	TIC	481694	25.00	ppb	0.00
3) Chlorobenzene-D5 (IS)	12.34	TIC	551038	25.00	ppb	0.00
4) 1,4-Dichlorobenzene-D (IS)	12.53	TIC	189	25.00	ppb	-0.03

System Monitoring Compounds

Target Compounds Qvalue

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

Quantitation Report (Not Reviewed)

Data File : M:\LOKI\DATA\210915\0920L40.D Vial: 40
Acq On : 21 Sep 21 2:06 Operator:
Sample : BA40212W02 Inst : Loki
Misc : IS&S: 9/1/21 Multiplr: 1.00

Quant Time: Oct 30 10:37 2021 Quant Results File: LSUR915.RES

Quant Method : M:\LOKI\DATA\210915\LSUR915.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Oct 29 17:03:16 2021
Response via : Initial Calibration
DataAcq Meth : 072021_L8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.31	96	241103	25.00	ppb	0.00
4) Chlorobenzene-D5 (IS)	9.78	117	197255	25.00	ppb	0.00
7) 1,4-Dichlorobenzene-D4 (IS	12.34	152	101078	25.00	ppb	0.00
System Monitoring Compounds						
2) Dibromofluoromethane(S)	5.46	113	78701	27.07	ppb	0.00
Spiked Amount 25.000			Recovery =	108.292%		
3) 1,2-DCA-D4(S)	5.88	65	82337	32.11	ppb	0.00
Spiked Amount 25.000			Recovery =	128.448%		
5) Toluene-D8(S)	8.18	98	218237	24.47	ppb	0.00
Spiked Amount 25.000			Recovery =	97.888%		
6) 4-Bromofluorobenzene(S)	11.08	174	74881	22.07	ppb	0.00
Spiked Amount 25.000			Recovery =	88.268%		

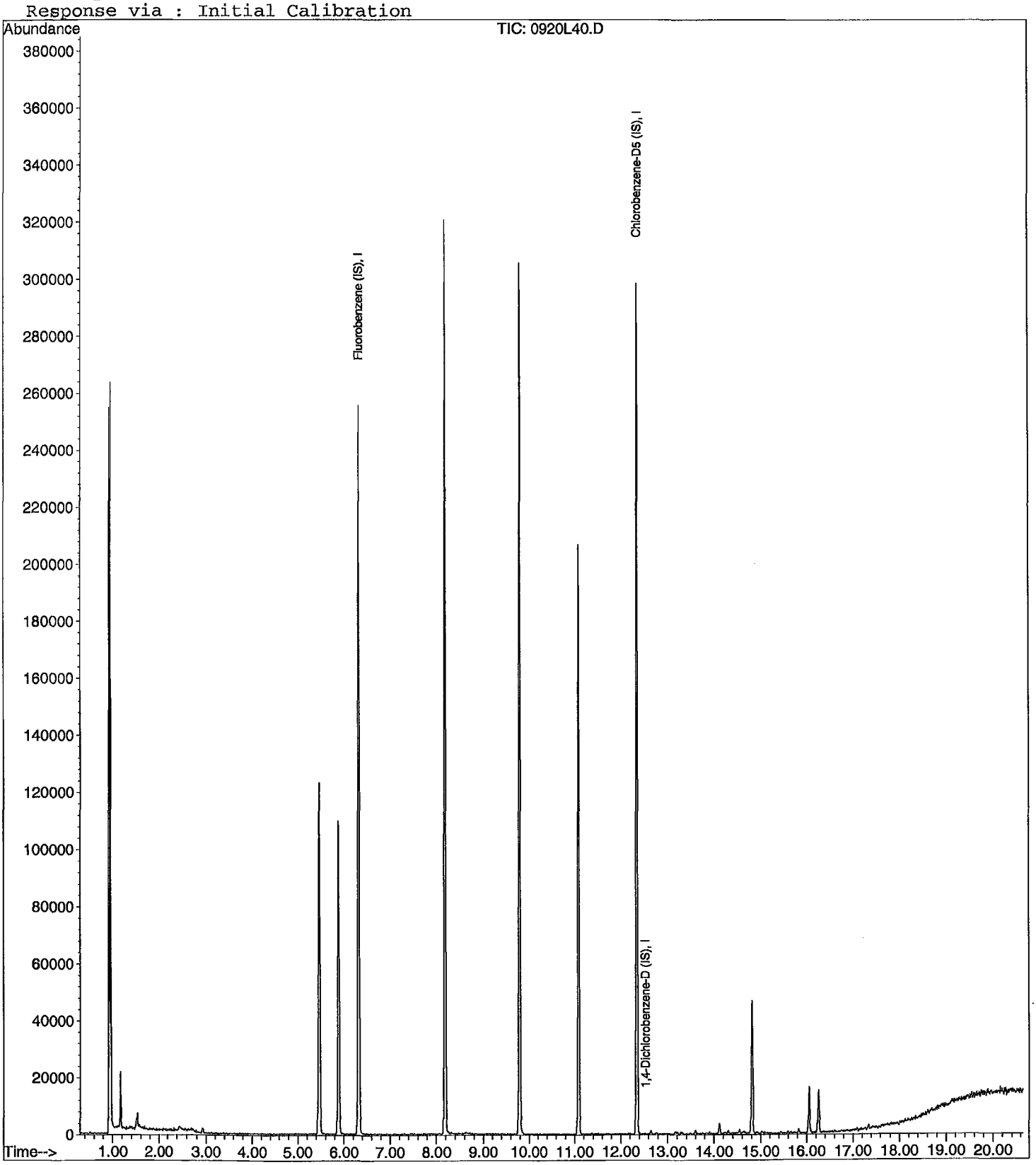
Target Compounds Qvalue

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

Data File : M:\LOKI\DATA\210915\0920L40.D Vial: 40
Acq On : 21 Sep 21 2:06 Operator:
Sample : BA40212W02 Inst : Loki
Misc : IS&S: 9/1/21 Multiplr: 1.00

Quant Time: Oct 30 10:34 2021 Quant Results File: LGAS0915.RES

Method : M:\LOKI\DATA\210915\LGAS0915.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Oct 29 16:40:47 2021
Response via : Initial Calibration



Data File : M:\LOKI\DATA\210915\0920L41.D
Acq On : 21 Sep 21 2:34
Sample : BA40213W02
Misc : IS&S: 9/1/21

Vial: 41
Operator:
Inst : Loki
Multiplr: 1.00

Quant Time: Oct 30 10:34 2021 Quant Results File: LGAS0915.RES

Quant Method : M:\LOKI\DATA\210915\LGAS0915.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Oct 29 16:40:47 2021
Response via : Initial Calibration
DataAcq Meth : 072021_L8260

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	6.31	TIC	494470	25.00 ppb	0.00
3) Chlorobenzene-D5 (IS)	12.34	TIC	546485	25.00 ppb	0.00
4) 1,4-Dichlorobenzene-D (IS)	12.57	TIC	184	25.00 ppb	0.02

System Monitoring Compounds

Target Compounds Qvalue

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

Quantitation Report (Not Reviewed)

Data File : M:\LOKI\DATA\210915\0920L41.D Vial: 41
Acq On : 21 Sep 21 2:34 Operator:
Sample : BA40213W02 Inst : Loki
Misc : IS&S: 9/1/21 Multiplr: 1.00

Quant Time: Oct 30 10:37 2021 Quant Results File: LSUR915.RES

Quant Method : M:\LOKI\DATA\210915\LSUR915.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Oct 29 17:03:16 2021
Response via : Initial Calibration
DataAcq Meth : 072021_L8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.31	96	241664	25.00	ppb	0.00
4) Chlorobenzene-D5 (IS)	9.78	117	197665	25.00	ppb	0.00
7) 1,4-Dichlorobenzene-D4 (IS	12.34	152	100562	25.00	ppb	0.00
System Monitoring Compounds						
2) Dibromofluoromethane(S)	5.46	113	78566	26.96	ppb	0.00
Spiked Amount 25.000			Recovery = 107.852%			
3) 1,2-DCA-D4(S)	5.88	65	82921	32.26	ppb	0.00
Spiked Amount 25.000			Recovery = 129.060%			
5) Toluene-D8(S)	8.18	98	218205	24.42	ppb	0.00
Spiked Amount 25.000			Recovery = 97.672%			
6) 4-Bromofluorobenzene(S)	11.08	174	72274	21.25	ppb	0.00
Spiked Amount 25.000			Recovery = 85.020%			

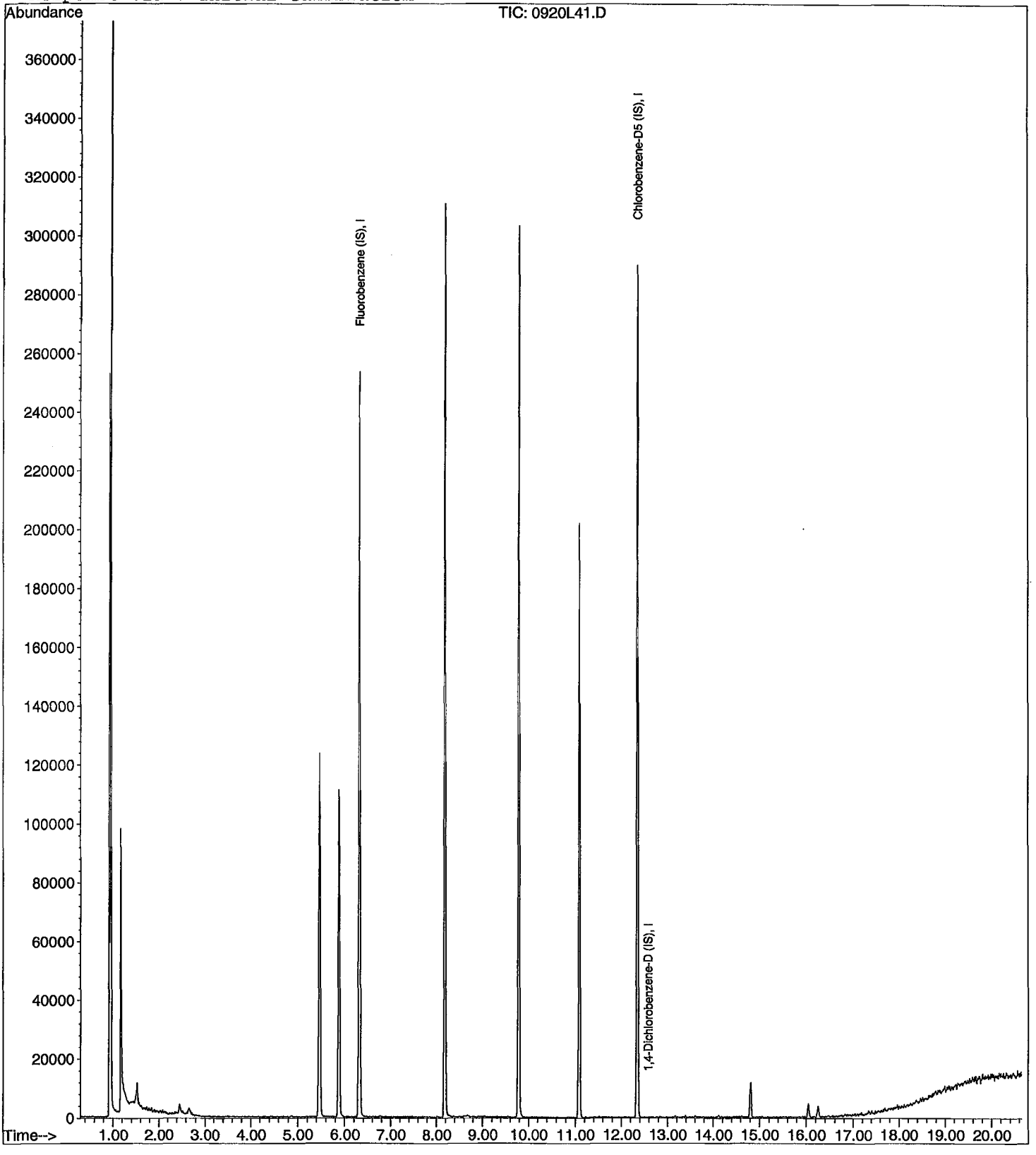
Target Compounds Qvalue

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

Data File : M:\LOKI\DATA\210915\0920L41.D Vial: 41
Acq On : 21 Sep 21 2:34 Operator:
Sample : BA40213W02 Inst : Loki
Misc : IS&S: 9/1/21 Multiplr: 1.00

Quant Time: Oct 30 10:34 2021 Quant Results File: LGAS0915.RES

Method : M:\LOKI\DATA\210915\LGAS0915.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Oct 29 16:40:47 2021
Response via : Initial Calibration



Data File : M:\LOKI\DATA\210915\0920L42.D Vial: 42
Acq On : 21 Sep 21 3:01 Operator:
Sample : BA40214W02 Inst : Loki
Misc : IS&S: 9/1/21 Multiplr: 1.00

Quant Time: Oct 30 10:34 2021 Quant Results File: LGAS0915.RES

Quant Method : M:\LOKI\DATA\210915\LGAS0915.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Oct 29 16:40:47 2021
Response via : Initial Calibration
DataAcq Meth : 072021_L8260

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	6.31	TIC	481902	25.00 ppb	0.00
3) Chlorobenzene-D5 (IS)	12.34	TIC	540452	25.00 ppb	0.00
4) 1,4-Dichlorobenzene-D (IS)	12.55	TIC	173	25.00 ppb	0.00

System Monitoring Compounds

Target Compounds Qvalue

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

Data File : M:\LOKI\DATA\210915\0920L42.D Vial: 42
Acq On : 21 Sep 21 3:01 Operator:
Sample : BA40214W02 Inst : Loki
Misc : IS&S: 9/1/21 Multiplr: 1.00

Quant Time: Oct 30 10:37 2021 Quant Results File: LSUR915.RES

Quant Method : M:\LOKI\DATA\210915\LSUR915.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Oct 29 17:03:16 2021
Response via : Initial Calibration
DataAcq Meth : 072021_L8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.31	96	237704	25.00	ppb	0.00
4) Chlorobenzene-D5 (IS)	9.78	117	195938	25.00	ppb	0.00
7) 1,4-Dichlorobenzene-D4 (IS	12.34	152	98059	25.00	ppb	0.00
System Monitoring Compounds						
2) Dibromofluoromethane(S)	5.46	113	77063	26.89	ppb	0.00
Spiked Amount 25.000			Recovery =	107.552%		
3) 1,2-DCA-D4(S)	5.88	65	80079	31.68	ppb	0.00
Spiked Amount 25.000			Recovery =	126.712%		
5) Toluene-D8(S)	8.18	98	214745	24.24	ppb	0.00
Spiked Amount 25.000			Recovery =	96.972%		
6) 4-Bromofluorobenzene(S)	11.08	174	72689	21.57	ppb	0.00
Spiked Amount 25.000			Recovery =	86.260%		

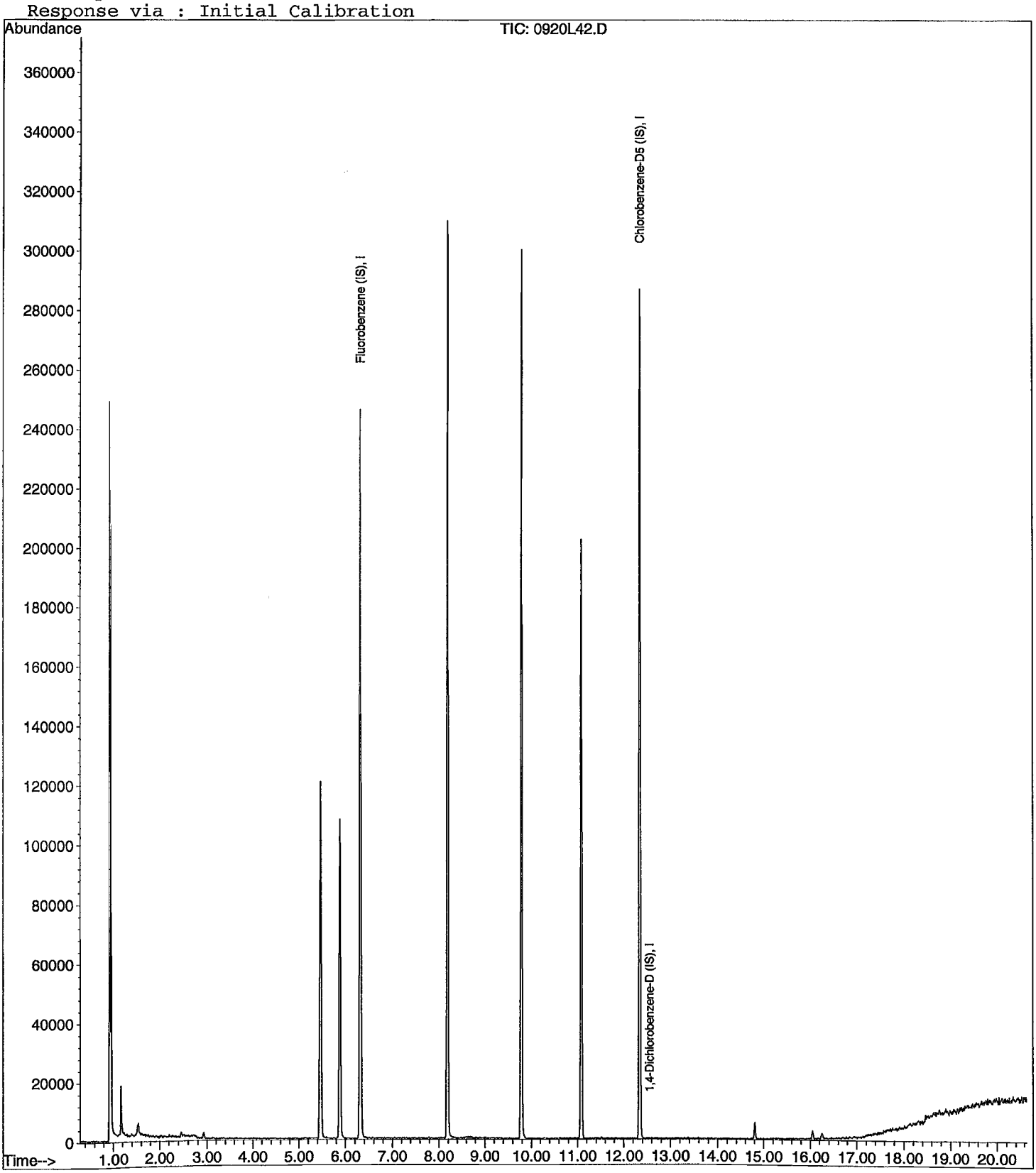
Target Compounds Qvalue

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

Data File : M:\LOKI\DATA\210915\0920L42.D Vial: 42
Acq On : 21 Sep 21 3:01 Operator:
Sample : BA40214W02 Inst : Loki
Misc : IS&S: 9/1/21 Multiplr: 1.00

Quant Time: Oct 30 10:34 2021 Quant Results File: LGAS0915.RES

Method : M:\LOKI\DATA\210915\LGAS0915.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Oct 29 16:40:47 2021
Response via : Initial Calibration



Data File : M:\LOKI\DATA\210915\0920L43.D Vial: 43
Acq On : 21 Sep 21 3:29 Operator:
Sample : BA40215W02 Inst : Loki
Misc : IS&S: 9/1/21 Multiplr: 1.00

Quant Time: Oct 30 10:34 2021 Quant Results File: LGAS0915.RES

Quant Method : M:\LOKI\DATA\210915\LGAS0915.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Oct 29 16:40:47 2021
Response via : Initial Calibration
DataAcq Meth : 072021_L8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.31	TIC	476291	25.00	ppb	0.00
3) Chlorobenzene-D5 (IS)	12.34	TIC	522996	25.00	ppb	0.00
4) 1,4-Dichlorobenzene-D (IS)	12.56	TIC	351	25.00	ppb	0.00

System Monitoring Compounds

Target Compounds Qvalue

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

Data File : M:\LOKI\DATA\210915\0920L43.D Vial: 43
Acq On : 21 Sep 21 3:29 Operator:
Sample : BA40215W02 Inst : Loki
Misc : IS&S: 9/1/21 Multiplr: 1.00

Quant Time: Oct 30 10:37 2021 Quant Results File: LSUR915.RES

Quant Method : M:\LOKI\DATA\210915\LSUR915.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Oct 29 17:03:16 2021
Response via : Initial Calibration
DataAcq Meth : 072021_L8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.31	96	232164	25.00	ppb	0.00
4) Chlorobenzene-D5 (IS)	9.78	117	187467	25.00	ppb	0.00
7) 1,4-Dichlorobenzene-D4 (IS	12.34	152	96939	25.00	ppb	0.00
System Monitoring Compounds						
2) Dibromofluoromethane(S)	5.46	113	78502	28.04	ppb	0.00
Spiked Amount 25.000			Recovery = 112.176%			
3) 1,2-DCA-D4(S)	5.88	65	82688	33.49	ppb	0.00
Spiked Amount 25.000			Recovery = 133.964%			
5) Toluene-D8(S)	8.18	98	209240	24.69	ppb	0.00
Spiked Amount 25.000			Recovery = 98.756%			
6) 4-Bromofluorobenzene(S)	11.08	174	71124	22.05	ppb	0.00
Spiked Amount 25.000			Recovery = 88.216%			

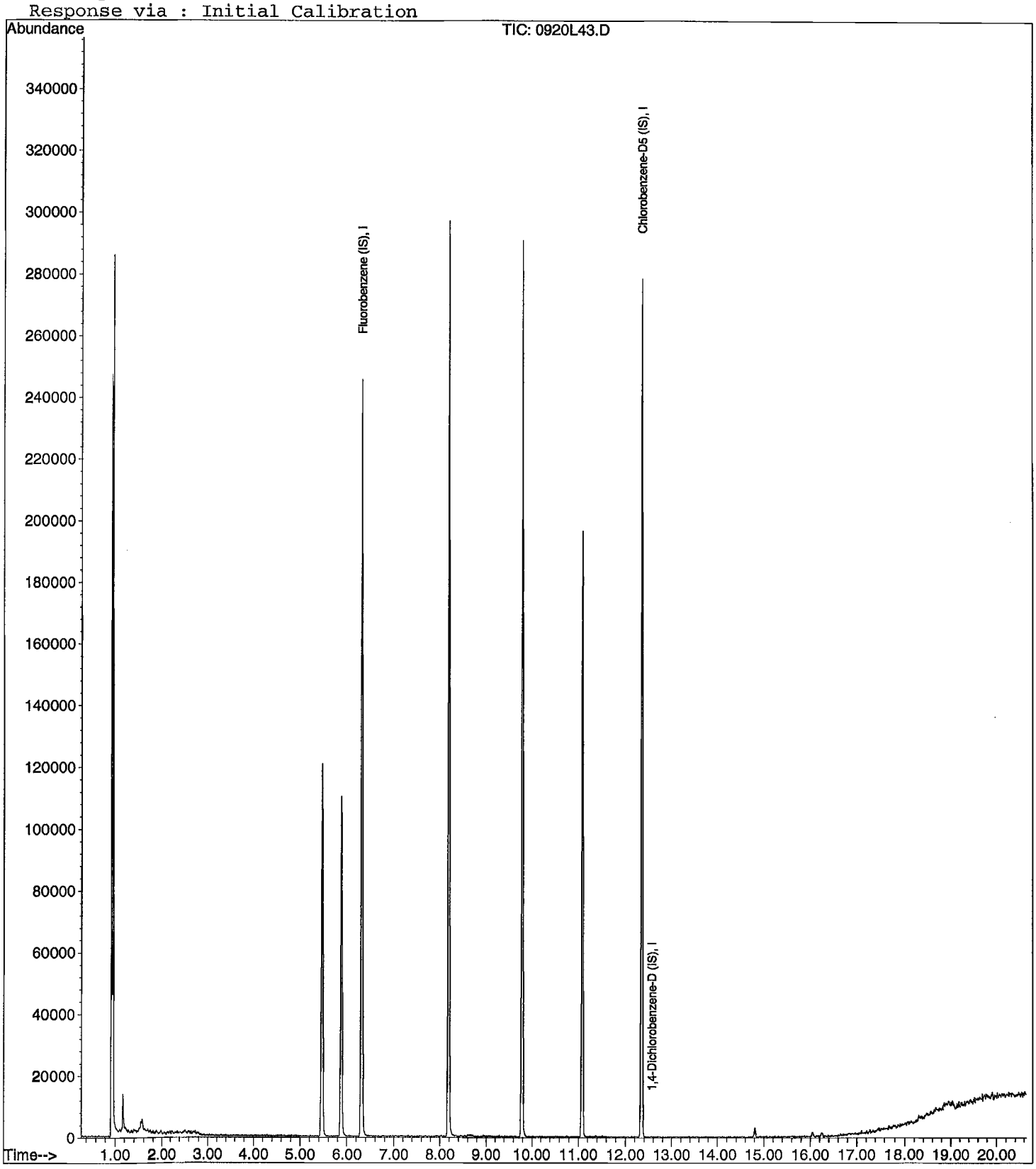
Target Compounds Qvalue

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

Data File : M:\LOKI\DATA\210915\0920L43.D Vial: 43
Acq On : 21 Sep 21 3:29 Operator:
Sample : BA40215W02 Inst : Loki
Misc : IS&S: 9/1/21 Multiplr: 1.00

Quant Time: Oct 30 10:34 2021 Quant Results File: LGAS0915.RES

Method : M:\LOKI\DATA\210915\LGAS0915.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Oct 29 16:40:47 2021
Response via : Initial Calibration



Data File : M:\LOKI\DATA\210915\0920L44.D Vial: 44
Acq On : 21 Sep 21 3:56 Operator:
Sample : BA40216W02 Inst : Loki
Misc : IS&S: 9/1/21 Multiplr: 1.00

Quant Time: Oct 30 10:33 2021 Quant Results File: LGAS0915.RES

Quant Method : M:\LOKI\DATA\210915\LGAS0915.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Oct 29 16:40:47 2021
Response via : Initial Calibration
DataAcq Meth : 072021_L8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.31	TIC	482529	25.00	ppb	0.00
3) Chlorobenzene-D5 (IS)	12.34	TIC	520545	25.00	ppb	0.00
4) 1,4-Dichlorobenzene-D (IS)	12.56	TIC	2297	25.00	ppb	0.00

System Monitoring Compounds

Target Compounds Qvalue

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

Data File : M:\LOKI\DATA\210915\0920L44.D Vial: 44
Acq On : 21 Sep 21 3:56 Operator:
Sample : BA40216W02 Inst : Loki
Misc : IS&S: 9/1/21 Multiplr: 1.00

Quant Time: Oct 30 10:37 2021 Quant Results File: LSUR915.RES

Quant Method : M:\LOKI\DATA\210915\LSUR915.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Oct 29 17:03:16 2021
Response via : Initial Calibration
DataAcq Meth : 072021_L8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.31	96	237957	25.00	ppb	0.00
4) Chlorobenzene-D5 (IS)	9.78	117	195582	25.00	ppb	0.00
7) 1,4-Dichlorobenzene-D4 (IS	12.34	152	95479	25.00	ppb	0.00
System Monitoring Compounds						
2) Dibromofluoromethane(S)	5.46	113	77494	27.01	ppb	0.00
Spiked Amount 25.000			Recovery = 108.040%			
3) 1,2-DCA-D4(S)	5.88	65	83616	33.04	ppb	0.00
Spiked Amount 25.000			Recovery = 132.168%			
5) Toluene-D8(S)	8.18	98	213219	24.11	ppb	0.00
Spiked Amount 25.000			Recovery = 96.456%			
6) 4-Bromofluorobenzene(S)	11.08	174	69736	20.73	ppb	0.00
Spiked Amount 25.000			Recovery = 82.908%			

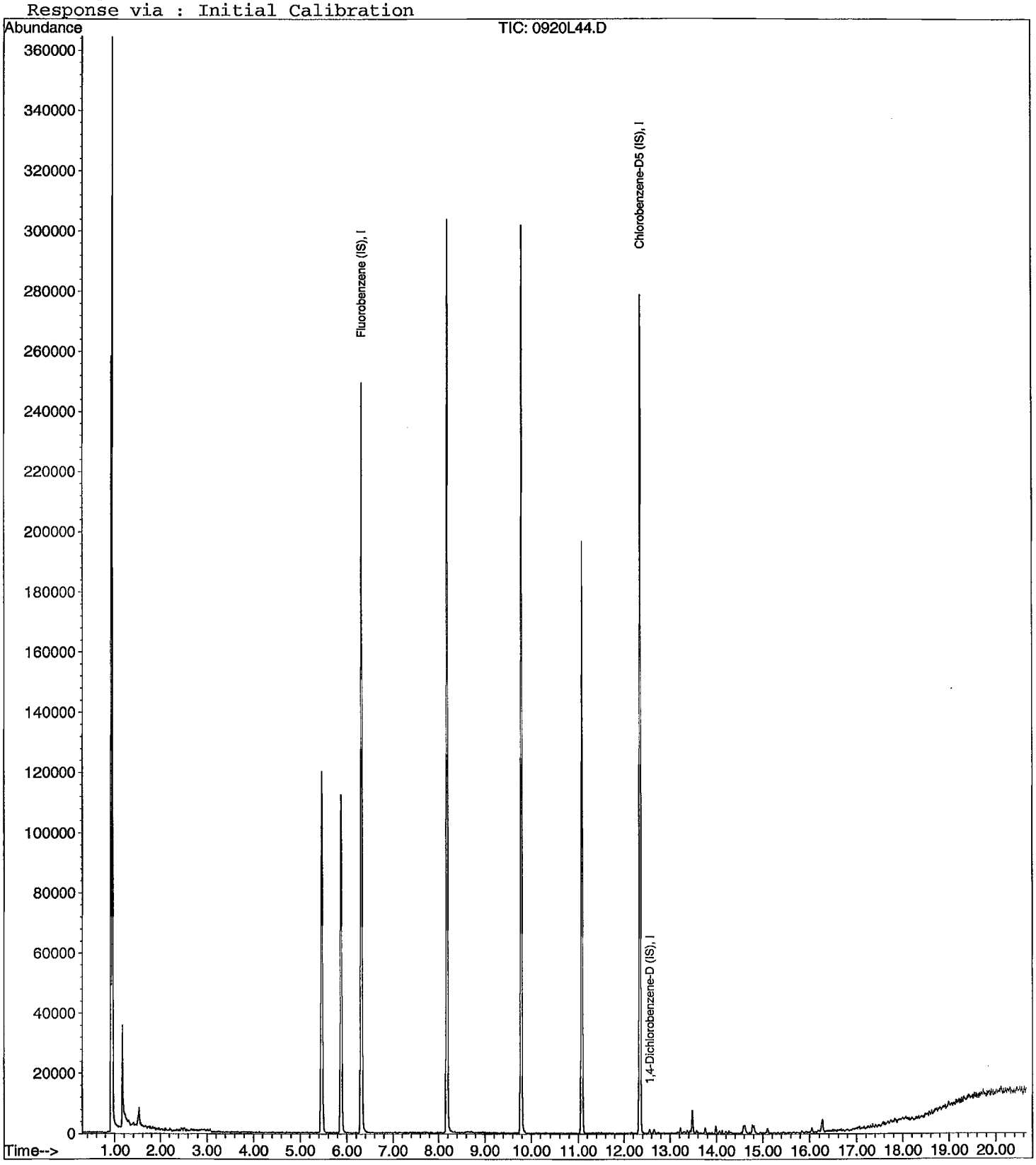
Target Compounds Qvalue

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

Data File : M:\LOKI\DATA\210915\0920L44.D Vial: 44
Acq On : 21 Sep 21 3:56 Operator:
Sample : BA40216W02 Inst : Loki
Misc : IS&S: 9/1/21 Multiplr: 1.00

Quant Time: Oct 30 10:33 2021 Quant Results File: LGAS0915.RES

Method : M:\LOKI\DATA\210915\LGAS0915.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Oct 29 16:40:47 2021
Response via : Initial Calibration



Data File : M:\LOKI\DATA\210915\0920L35.D Vial: 35
Acq On : 20 Sep 21 23:49 Operator:
Sample : 210920B BLK Inst : Loki
Misc : IS&S: 9/1/21 Multiplr: 1.00

Quant Time: Oct 30 10:45 2021 Quant Results File: LGAS0915.RES

Quant Method : M:\LOKI\DATA\210915\LGAS0915.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Oct 29 16:40:47 2021
Response via : Initial Calibration
DataAcq Meth : 072021_L8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.31	TIC	509564	25.00	ppb	0.00
3) Chlorobenzene-D5 (IS)	12.34	TIC	547693	25.00	ppb	0.00
4) 1,4-Dichlorobenzene-D (IS)	12.57	TIC	340	25.00	ppb	0.01

System Monitoring Compounds

Target Compounds Qvalue

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

Data File : M:\LOKI\DATA\210915\0920L35.D Vial: 35
Acq On : 20 Sep 21 23:49 Operator:
Sample : 210920B BLK Inst : Loki
Misc : IS&S: 9/1/21 Multiplr: 1.00

Quant Time: Oct 30 10:36 2021 Quant Results File: LSUR915.RES

Quant Method : M:\LOKI\DATA\210915\LSUR915.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Oct 29 17:03:16 2021
Response via : Initial Calibration
DataAcq Meth : 072021_L8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.31	96	249410	25.00	ppb	0.00
4) Chlorobenzene-D5 (IS)	9.78	117	203106	25.00	ppb	0.00
7) 1,4-Dichlorobenzene-D4 (IS	12.34	152	100562	25.00	ppb	0.00
System Monitoring Compounds						
2) Dibromofluoromethane(S)	5.46	113	80109	26.64	ppb	0.00
Spiked Amount 25.000			Recovery =	106.556%		
3) 1,2-DCA-D4(S)	5.88	65	85194	32.12	ppb	0.00
Spiked Amount 25.000			Recovery =	128.480%		
5) Toluene-D8(S)	8.18	98	224890	24.49	ppb	0.00
Spiked Amount 25.000			Recovery =	97.968%		
6) 4-Bromofluorobenzene(S)	11.08	174	72390	20.72	ppb	0.00
Spiked Amount 25.000			Recovery =	82.872%		

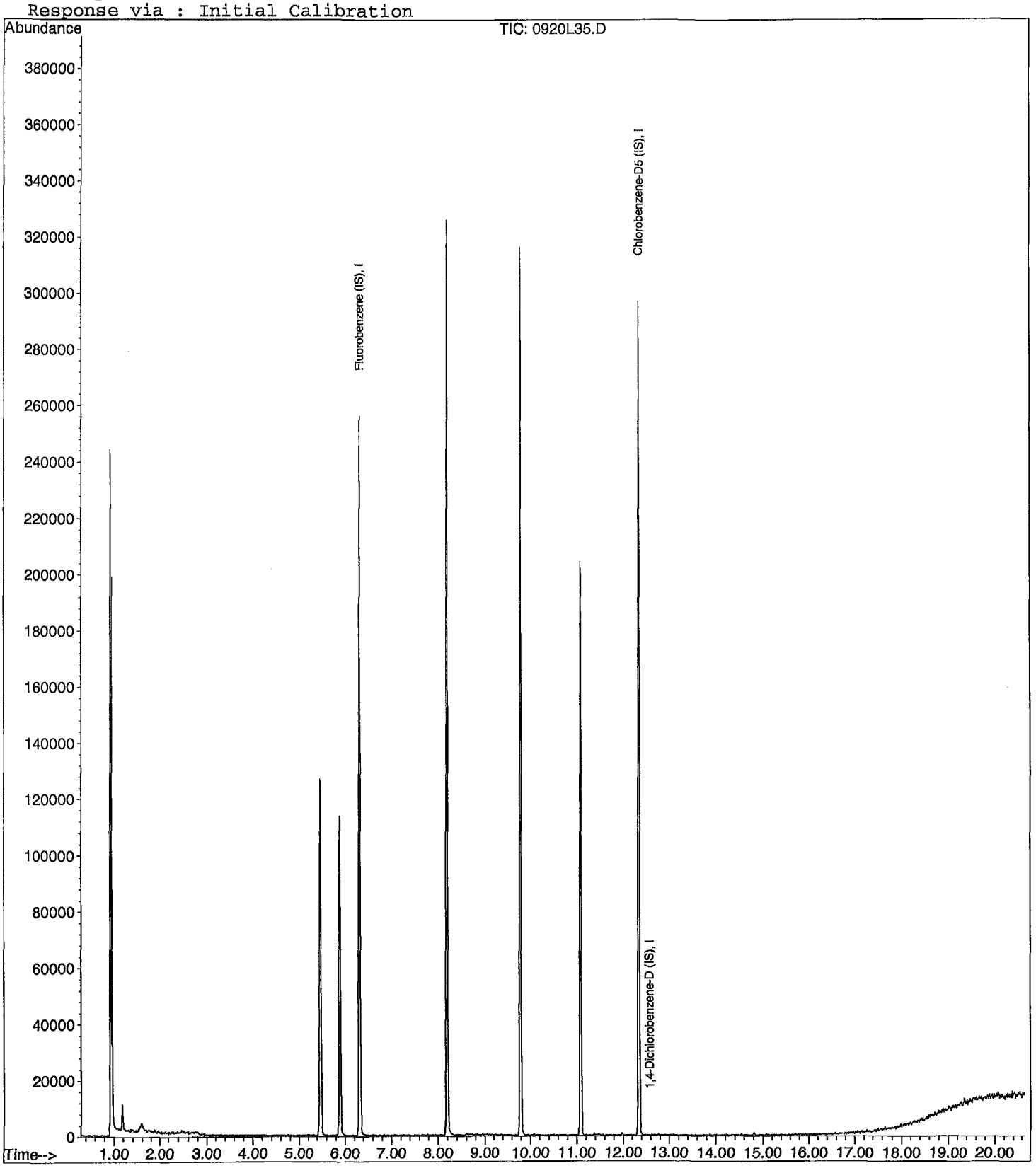
Target Compounds Qvalue

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

Data File : M:\LOKI\DATA\210915\0920L35.D Vial: 35
Acq On : 20 Sep 21 23:49 Operator:
Sample : 210920B BLK Inst : Loki
Misc : IS&S: 9/1/21 Multiplr: 1.00

Quant Time: Oct 30 10:45 2021 Quant Results File: LGAS0915.RES

Method : M:\LOKI\DATA\210915\LGAS0915.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Oct 29 16:40:47 2021
Response via : Initial Calibration



Data File : M:\LOKI\DATA\210915\0920L33.D Vial: 33
Acq On : 20 Sep 21 22:54 Operator:
Sample : 210920B LCS 300ug/L Inst : Loki
Misc : IS&S: 9/1/21 Multiplr: 1.00

Quant Time: Oct 30 10:31 2021 Quant Results File: LGAS0915.RES

Quant Method : M:\LOKI\DATA\210915\LGAS0915.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Oct 29 16:40:47 2021
Response via : Initial Calibration
DataAcq Meth : 072021_L8260

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	6.31	TIC	548265	25.00 ppb	0.00
3) Chlorobenzene-D5 (IS)	12.34	TIC	703796	25.00 ppb	0.00
4) 1,4-Dichlorobenzene-D (IS)	12.57	TIC	107	25.00 ppb	0.00
System Monitoring Compounds					
Target Compounds					Qvalue
2) Gasoline C6-C10	8.39	TIC	3329665m	328.58 ppb	100

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

Data File : M:\LOKI\DATA\210915\0920L33.D Vial: 33
Acq On : 20 Sep 21 22:54 Operator:
Sample : 210920B LCS 300ug/L Inst : Loki
Misc : IS&S: 9/1/21 Multiplr: 1.00

Quant Time: Oct 30 10:36 2021 Quant Results File: LSUR915.RES

Quant Method : M:\LOKI\DATA\210915\LSUR915.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Oct 29 17:03:16 2021
Response via : Initial Calibration
DataAcq Meth : 072021_L8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.31	96	262078	25.00	ppb	0.00
4) Chlorobenzene-D5 (IS)	9.78	117	217052	25.00	ppb	0.00
7) 1,4-Dichlorobenzene-D4 (IS	12.34	152	129832	25.00	ppb	0.00
System Monitoring Compounds						
2) Dibromofluoromethane(S)	5.46	113	81762	25.87	ppb	0.00
Spiked Amount 25.000			Recovery = 103.500%			
3) 1,2-DCA-D4(S)	5.88	65	85497	30.68	ppb	0.00
Spiked Amount 25.000			Recovery = 122.704%			
5) Toluene-D8(S)	8.18	98	235124	23.96	ppb	0.00
Spiked Amount 25.000			Recovery = 95.844%			
6) 4-Bromofluorobenzene(S)	11.08	174	96008	25.71	ppb	0.00
Spiked Amount 25.000			Recovery = 102.852%			

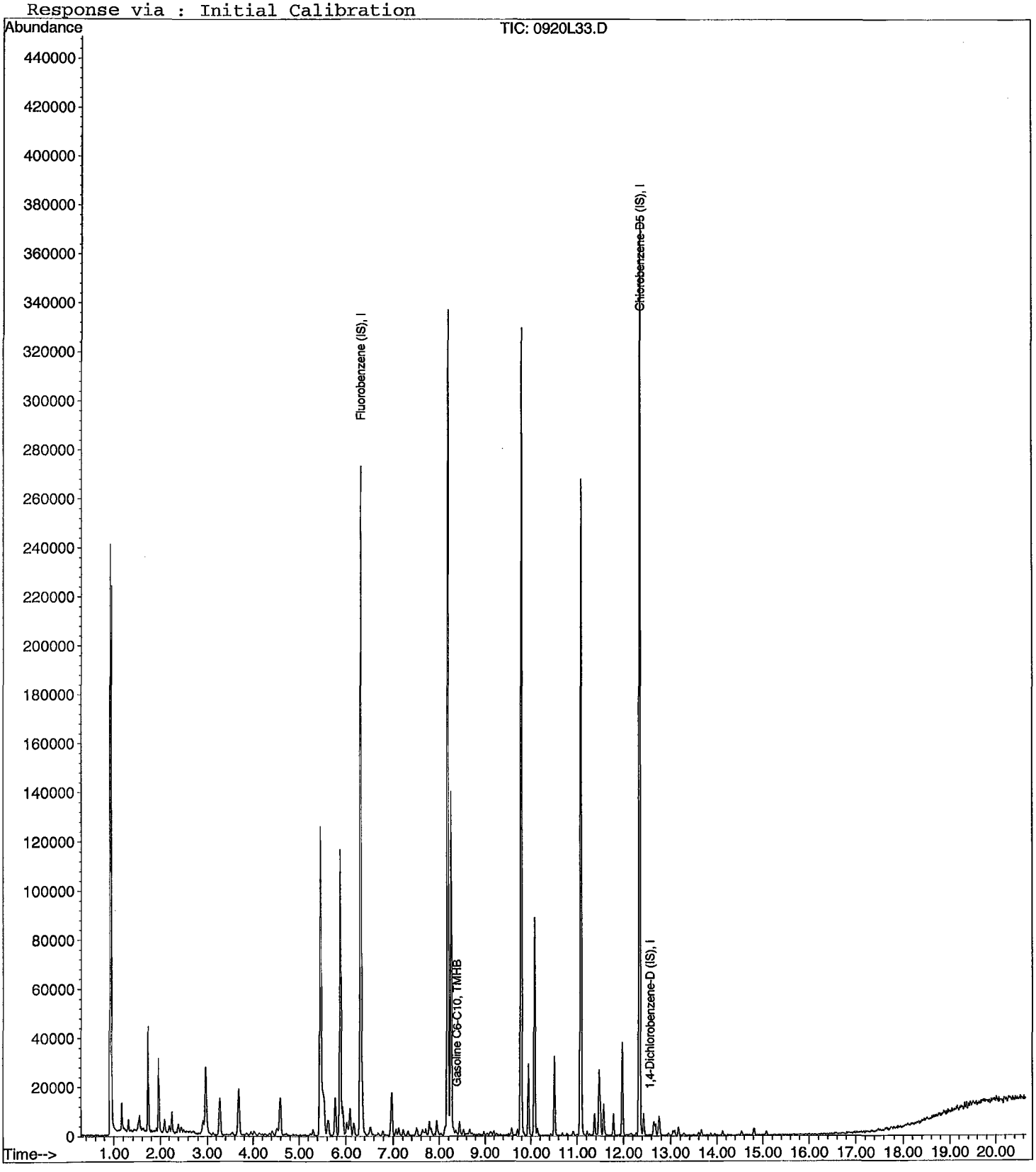
Target Compounds Qvalue

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

Data File : M:\LOKI\DATA\210915\0920L33.D Vial: 33
Acq On : 20 Sep 21 22:54 Operator:
Sample : 210920B LCS 300ug/L Inst : Loki
Misc : IS&S: 9/1/21 Multiplr: 1.00

Quant Time: Oct 30 10:31 2021 Quant Results File: LGAS0915.RES

Method : M:\LOKI\DATA\210915\LGAS0915.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Oct 29 16:40:47 2021
Response via : Initial Calibration



Data File : M:\LOKI\DATA\210915\0920L34.D Vial: 34
Acq On : 20 Sep 21 23:22 Operator:
Sample : 210920B LCS 300ug/L Inst : Loki
Misc : IS&S: 9/1/21 Multiplr: 1.00

Quant Time: Oct 30 10:32 2021 Quant Results File: LGAS0915.RES

Quant Method : M:\LOKI\DATA\210915\LGAS0915.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Oct 29 16:40:47 2021
Response via : Initial Calibration
DataAcq Meth : 072021_L8260

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	6.31	TIC	548757	25.00 ppb	0.00
3) Chlorobenzene-D5 (IS)	12.34	TIC	601694	25.00 ppb	0.00
4) 1,4-Dichlorobenzene-D (IS)	12.55	TIC	136	25.00 ppb	0.00
System Monitoring Compounds					
Target Compounds					Qvalue
2) Gasoline C6-C10	8.39	TIC	3162260m	275.26 ppb	100

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

Data File : M:\LOKI\DATA\210915\0920L34.D Vial: 34
Acq On : 20 Sep 21 23:22 Operator:
Sample : 210920B LCS 300ug/L Inst : Loki
Misc : IS&S: 9/1/21 Multiplr: 1.00

Quant Time: Oct 30 10:36 2021 Quant Results File: LSUR915.RES

Quant Method : M:\LOKI\DATA\210915\LSUR915.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Oct 29 17:03:16 2021
Response via : Initial Calibration
DataAcq Meth : 072021_L8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.31	96	264673	25.00	ppb	0.00
4) Chlorobenzene-D5 (IS)	9.78	117	213539	25.00	ppb	0.00
7) 1,4-Dichlorobenzene-D4 (IS	12.34	152	109861	25.00	ppb	0.00
System Monitoring Compounds						
2) Dibromofluoromethane(S)	5.46	113	82050	25.71	ppb	0.00
Spiked Amount 25.000			Recovery =	102.844%		
3) 1,2-DCA-D4(S)	5.88	65	86045	30.57	ppb	0.00
Spiked Amount 25.000			Recovery =	122.280%		
5) Toluene-D8(S)	8.18	98	239684	24.83	ppb	0.00
Spiked Amount 25.000			Recovery =	99.312%		
6) 4-Bromofluorobenzene(S)	11.08	174	81607	22.22	ppb	0.00
Spiked Amount 25.000			Recovery =	88.860%		

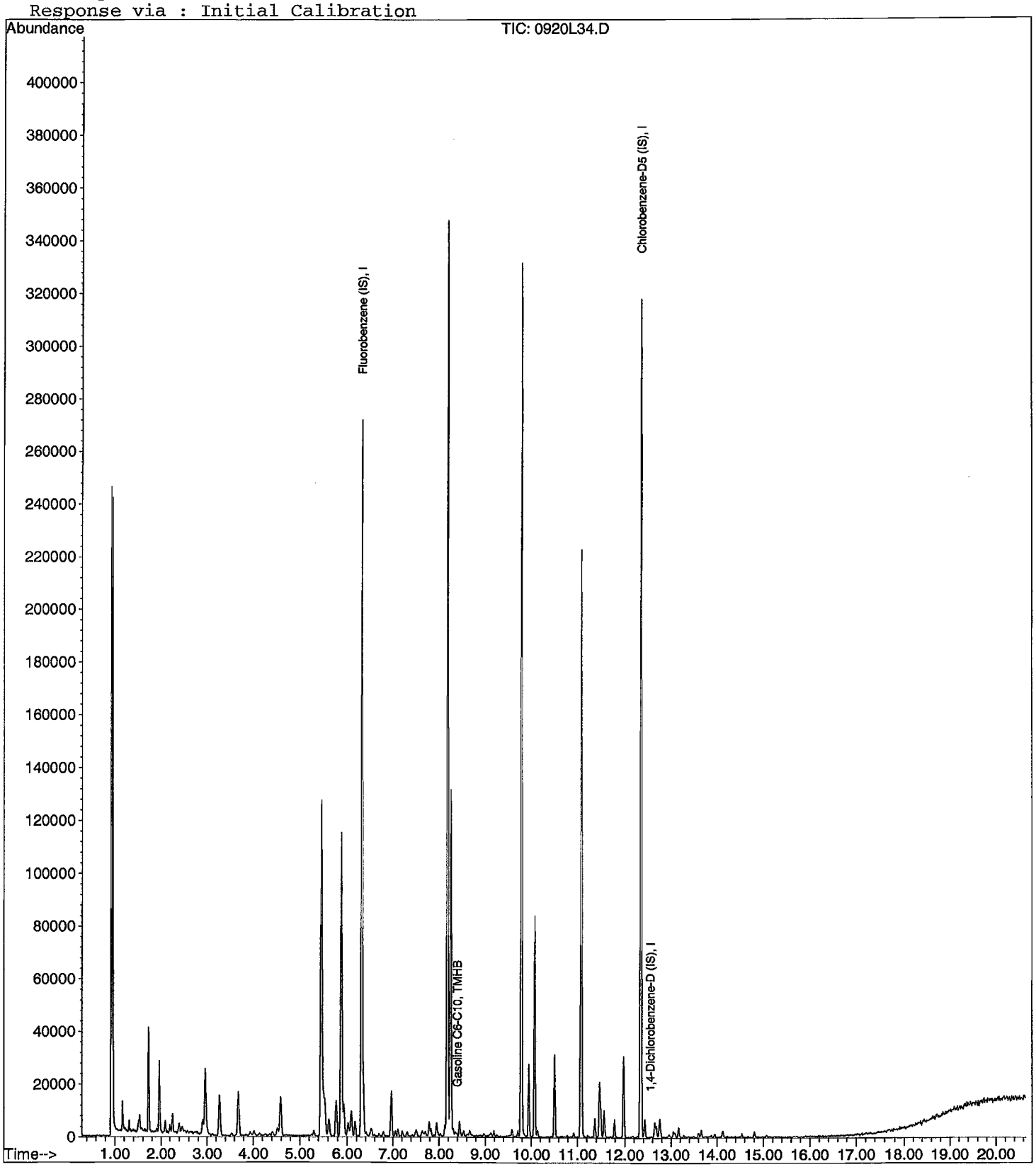
Target Compounds Qvalue

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

Data File : M:\LOKI\DATA\210915\0920L34.D Vial: 34
Acq On : 20 Sep 21 23:22 Operator:
Sample : 210920B LCS 300ug/L Inst : Loki
Misc : IS&S: 9/1/21 Multiplr: 1.00

Quant Time: Oct 30 10:32 2021 Quant Results File: LGAS0915.RES

Method : M:\LOKI\DATA\210915\LGAS0915.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Oct 29 16:40:47 2021
Response via : Initial Calibration



LOKI 8260 Standard Prep

LOKI 8260 Water Calibration Curve

0.3ug/L

Prepared By (Initials): CH

Prepared: 9/15/2021

Expires: 9/22/2021

Initial Standard Information							Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	APPL Mix Name	Conc. (ug/mL)	Reference To APPL Prep Date	Exp. Date	Exp. Date (Manufacturers)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/L)
VOA STD. 9	Various	0.3ug/L	5	Prepared 09/03/21	11/2/2021	N/A	3uL	50mL	P&T Water	0.3
VOA STD. 1	Absolute		50	Prepared 09/03/21	11/2/2021	N/A	5uL			5
VOA STD. 2	Phenova		100	Prepared 09/03/21	11/2/2021	N/A	2.5uL			5
VOA STD. TBA	Various		250	Prepared 09/03/21	9/22/2021	N/A	2uL			10

0.5ug/L

Prepared: 9/15/2021

Expires: 9/22/2021

Initial Standard Information							Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	APPL Mix Name	Conc. (ug/mL)	Reference To APPL Prep Date	Exp. Date	Exp. Date (Manufacturers)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/L)
VOA STD. 9	Various	0.5ug/L	5	Prepared 09/03/21	11/2/2021	N/A	5uL	50mL	P&T Water	0.5
VOA STD. 1	Absolute		50	Prepared 09/03/21	11/2/2021	N/A	10uL			10
VOA STD. 2	Phenova		100	Prepared 09/03/21	11/2/2021	N/A	5uL			10
VOA STD. TBA	Various		250	Prepared 09/03/21	9/22/2021	N/A	5uL			25

1.0ug/L

Prepared: 9/15/2021

Expires: 9/22/2021

Initial Standard Information							Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	APPL Mix Name	Conc. (ug/mL)	Reference To APPL Prep Date	Exp. Date	Exp. Date (Manufacturers)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/L)
VOA STD. 9	Various	1.0ug/L	5	Prepared 09/03/21	11/2/2021	N/A	10uL	50mL	P&T Water	1
VOA STD. 1	Absolute		50	Prepared 09/03/21	11/2/2021	N/A	20uL			20
VOA STD. 2	Phenova		100	Prepared 09/03/21	11/2/2021	N/A	10uL			20
VOA STD. TBA	Various		250	Prepared 09/03/21	9/22/2021	N/A	10uL			50

2.0ug/L

Prepared: 9/15/2021

Expires: 9/22/2021

Initial Standard Information							Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	APPL Mix Name	Conc. (ug/mL)	Reference To APPL Prep Date	Exp. Date	Exp. Date (Manufacturers)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/L)
VOA STD. 9	Various	2.0ug/L	5	Prepared 09/03/21	11/2/2021	N/A	20uL	50mL	P&T Water	2
VOA STD. 1	Absolute		50	Prepared 09/03/21	11/2/2021	N/A	30uL			30
VOA STD. 2	Phenova		100	Prepared 09/03/21	11/2/2021	N/A	15uL			30
VOA STD. TBA	Various		250	Prepared 09/03/21	9/22/2021	N/A	15uL			75

5ug/L

Prepared: 9/15/2021

Expires: 9/22/2021

Initial Standard Information							Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	APPL Mix Name	Conc. (ug/mL)	Reference To APPL Prep Date	Exp. Date	Exp. Date (Manufacturers)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/L)
VOA STD. 7	Various	5ug/L	50	Prepared 09/03/21	11/2/2021	N/A	5uL	50mL	P&T Water	5
VOA STD. 8	Phenova		50	Prepared 09/03/21	9/22/2021	N/A	5uL			5
VOA STD. 1	Absolute		50	Prepared 09/03/21	11/2/2021	N/A	40uL			40
VOA STD. 2	Phenova		100	Prepared 09/03/21	11/2/2021	N/A	20uL			20
VOA STD. TBA	Various		250	Prepared 09/03/21	9/22/2021	N/A	20uL			100

10ug/L

Prepared: 9/15/2021

Expires: 9/22/2021

Initial Standard Information							Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	APPL Mix Name	Conc. (ug/mL)	Reference To APPL Prep Date	Exp. Date	Exp. Date (Manufacturers)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/L)
VOA STD. 7	Various	10ug/L	50	Prepared 09/03/21	11/2/2021	N/A	10uL	50mL	P&T Water	10
VOA STD. 8	Phenova		50	Prepared 09/03/21	9/22/2021	N/A	10uL			10
VOA STD. 1	Absolute		50	Prepared 09/03/21	11/2/2021	N/A	50uL			50
VOA STD. 2	Phenova		100	Prepared 09/03/21	11/2/2021	N/A	25uL			50
VOA STD. TBA	Various		250	Prepared 09/03/21	9/22/2021	N/A	25uL			125

20ug/L

Prepared: 9/15/2021

Expires: 9/22/2021

Initial Standard Information							Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	APPL Mix Name	Conc. (ug/mL)	Reference To APPL Prep Date	Exp. Date	Exp. Date (Manufacturers)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/L)
VOA STD. 7	Various	20ug/L	50	Prepared 09/03/21	11/2/2021	N/A	20uL	50mL	P&T Water	20
VOA STD. 8	Phenova		50	Prepared 09/03/21	9/22/2021	N/A	20uL			20
VOA STD. 1	Absolute		50	Prepared 09/03/21	11/2/2021	N/A	60uL			60
VOA STD. 2	Phenova		100	Prepared 09/03/21	11/2/2021	N/A	30uL			60
VOA STD. TBA	Various		250	Prepared 09/03/21	9/22/2021	N/A	30uL			150

40ug/L

Prepared: 9/15/2021

Expires: 9/22/2021

Initial Standard Information							Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	APPL Mix Name	Conc. (ug/mL)	Reference To APPL Prep Date	Exp. Date	Exp. Date (Manufacturers)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/L)
VOA STD. 7	Various	40ug/L	50	Prepared 09/03/21	11/2/2021	N/A	40uL	50mL	P&T Water	40
VOA STD. 8	Phenova		50	Prepared 09/03/21	9/22/2021	N/A	40uL			40
VOA STD. 1	Absolute		50	Prepared 09/03/21	11/2/2021	N/A	80uL			80
VOA STD. 2	Phenova		100	Prepared 09/03/21	11/2/2021	N/A	40uL			80
VOA STD. TBA	Various		250	Prepared 09/03/21	9/22/2021	N/A	35uL			175

100ug/L

Prepared: 9/15/2021

Expires: 9/22/2021

Initial Standard Information							Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	APPL Mix Name	Conc. (ug/mL)	Reference To APPL Prep Date	Exp. Date	Exp. Date (Manufacturers)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/L)
VOA STD. 7	Various	100ug/L	50	Prepared 09/03/21	11/2/2021	N/A	100uL	50mL	P&T Water	100
VOA STD. 8	Phenova		50	Prepared 09/03/21	9/22/2021	N/A	100uL			100
VOA STD. 1	Absolute		50	Prepared 09/03/21	11/2/2021	N/A	100uL			100
VOA STD. 2	Phenova		100	Prepared 09/03/21	11/2/2021	N/A	50uL			100
VOA STD. TBA	Various		250	Prepared 09/03/21	9/22/2021	N/A	40uL			200

LOKI 8260 Water Second Source (SS)

Prepared: 9/15/2021

Prepared By (Initials): CH

Expires: 9/22/2021

Initial Standard Information							Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	APPL Mix Name	Conc. (ug/mL)	Reference To APPL Prep Date	Exp. Date	Exp. Date (Manufacturers)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/L)
VOA STD. 3	Phenova	8260 Water SS	100	Prepared 09/03/21	11/2/2021	N/A	25uL	50mL	P&T Water	50
VOA STD. GASES	Phenova	8260 Water SS	50	Prepared 09/03/21	11/2/2021	N/A	10uL			10
VOA STD. 0	Phenova	8260 Water SS	50	Prepared 09/03/21	11/2/2021	N/A	10uL			10
VOA STD. 2-CEVE	Absolute	8260 Water SS	50	Prepared 09/03/21	9/3/2021	N/A	50uL			50
VOA STD. 6	Various	8260 Water SS	50	Prepared 09/03/21	9/22/2021	N/A	10uL			10
Voa STD. TBA	Various	8260 Water SS	250	Prepared 09/03/21	9/22/2021	N/A	25uL			250

8260 Water Continuing Calibrations (CCV)/ Lab Control Spikes (LCS)

Prepared: 9/15/2021

Prepared By (Initials): CH

Expires: 9/16/2021

Initial Standard Information							Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	APPL Mix Name	Conc. (ug/mL)	Reference To APPL Prep Date	Exp. Date	Exp. Date (Manufacturers)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/L)
VOA STD. 7	Various	CCV/ LCS	50	Prepared 09/03/21	11/2/2021	N/A	10uL	50mL	P&T Water	10
VOA STD. 8	Phenova	CCV/ LCS	50	Prepared 09/03/21	9/22/2021	N/A	10uL			10
VOA STD. 1	Absolute	CCV/ LCS	50	Prepared 09/03/21	11/2/2021	N/A	50uL			50
VOA STD. 2	Phenova	CCV/ LCS	100	Prepared 09/03/21	11/2/2021	N/A	25uL			50
VOA STD. TBA	Various	CCV/ LCS	250	Prepared 09/03/21	9/22/2021	N/A	25uL			250

LOK1 Gas Standard Prep

Gas Primary Working Standard

Prepared: 6/23/2021
Expires: 1/4/2022
Methanol Lot No.

Prepared By (Initials): CH

Initial Standard Information							Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	Supplier P/N#	Conc. (ug/mL)	Lot Number - QA Number	Exp. Date (1 yr)	Exp. Date (Manufacturers)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/mL)
50,000ug/mL Gas STD	Restek	30205	50,000	A0132443	1/4/2022	12/31/2024	80uL	2mL	Methanol	2,000

Gas Second Source (SS) Working Standard

Prepared: 3/31/2021
Expires: 1/31/1930
Methanol Lot No.

Prepared By (Initials): CH

Initial Standard Information							Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	Supplier P/N#	Conc. (ug/mL)	Lot Number - QA Number	Exp. Date (1 yr)	Exp. Date (Manufacturers)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/mL)
Gasoline (50,000ppm)	Phenova	ALO-101543	50,000	CL14915-51175	1/4/2022	1/31/1930	80uL	2mL	Methanol	2,000

LOK1 Gas Calibration Curve

Prepared: 9/15/2021
Expires: 11/14/2021

Prepared By (Initials): CH

Initial Standard Information							Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	APPL Mix Name	Conc. (ug/mL)	Reference To APPL Prep Date	Exp. Date	Exp. Date (Manufacturers)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/L)
VOA Gasses Standards	Phenova	20ug/L	2,000	Prepared 06/23/21	1/4/2022	N/A	1uL	100mL	P&T Water	20
VOA Gasses Standards	Phenova	50ug/L	2,000	Prepared 06/23/21	1/4/2022	N/A	2.5uL	100mL	P&T Water	50
VOA Gasses Standards	Phenova	100ug/L	2,000	Prepared 06/23/21	1/4/2022	N/A	5uL	100mL	P&T Water	100
VOA Gasses Standards	Phenova	300ug/L	2,000	Prepared 06/23/21	1/4/2022	N/A	15uL	100mL	P&T Water	300
VOA Gasses Standards	Phenova	600ug/L	2,000	Prepared 06/23/21	1/4/2022	N/A	30uL	100mL	P&T Water	600
VOA Gasses Standards	Phenova	800ug/L	2,000	Prepared 06/23/21	1/4/2022	N/A	40uL	100mL	P&T Water	800
VOA Gasses Standards	Phenova	1,000ug/L	2,000	Prepared 06/23/21	1/4/2022	N/A	50uL	100mL	P&T Water	1,000

LOK1 Gas Second Source

Prepared: 9/15/2021
Expires: 11/14/2021

Prepared By (Initials): CH

Initial Standard Information							Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	APPL Mix Name	Conc. (ug/mL)	Reference To APPL Prep Date	Exp. Date	Exp. Date (Manufacturers)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/L)
50,000ug/mL Gas STD	Phenova	SS 300ug/L	2,000	Prepared 03/31/21	1/31/1930	N/A	15uL	100mL	P&T Water	300

LOK1 Gas Continuing Calibrations/Lab Control Spikes

Prepared: 9/15/2021
Expires: 9/16/2021

Prepared By (Initials): CH

Initial Standard Information							Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	Supplier P/N#	Conc. (ug/mL)	Lot Number - QA Number	Exp. Date (1 yr)	Exp. Date (Manufacturers)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/mL)
VOA Gasses Standards	Phenova	300ug/L	2,000	Prepared 06/23/21	1/4/2022	N/A	15uL	100mL	P&T Water	300

Injection Log

Directory: M:\LOKI\DATA\210915\

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	4	0915L14.D	1	0.3ug/L VOC STD 9/15/21	IS&S: 9/1/21	15 Sep 21 17:21
2	5	0915L15.D	1	0.5ug/L VOC STD 9/15/21	IS&S: 9/1/21	15 Sep 21 17:49
3	6	0915L16.D	1	1ug/L VOC STD 9/15/21	IS&S: 9/1/21	15 Sep 21 18:16
4	7	0915L17.D	1	2ug/L VOC STD 9/15/21	IS&S: 9/1/21	15 Sep 21 18:44
5	8	0915L18.D	1	5ug/L VOC STD 9/15/21	IS&S: 9/1/21	15 Sep 21 19:11
6	9	0915L19.D	1	10ug/L VOC STD 9/15/21	IS&S: 9/1/21	15 Sep 21 19:39
7	10	0915L20.D	1	20ug/L VOC STD 9/15/21	IS&S: 9/1/21	15 Sep 21 20:06
8	11	0915L21.D	1	40ug/L VOC STD 9/15/21	IS&S: 9/1/21	15 Sep 21 20:34
9	12	0915L22.D	1	100ug/L VOC STD 9/15/21	IS&S: 9/1/21	15 Sep 21 21:01
10	15	0915L25.D	1	20ug/L GAS STD 9/15/21	IS&S: 9/1/21	15 Sep 21 22:24
11	16	0915L26.D	1	50ug/L GAS STD 9/15/21	IS&S: 9/1/21	15 Sep 21 22:51
12	17	0915L27.D	1	100ug/L GAS STD 9/15/21	IS&S: 9/1/21	15 Sep 21 23:19
13	18	0915L28.D	1	300ug/L GAS STD 9/15/21	IS&S: 9/1/21	15 Sep 21 23:46
14	19	0915L29.D	1	600ug/L GAS STD 9/15/21	IS&S: 9/1/21	16 Sep 21 00:14
15	20	0915L30.D	1	800ug/L GAS STD 9/15/21	IS&S: 9/1/21	16 Sep 21 00:41
16	21	0915L31.D	1	1000ug/L GAS STD 9/15/21	IS&S: 9/1/21	16 Sep 21 1:09
17	23	0915L33.D	1	(SS) 300ug/L GAS STD 9/15/21	IS&S: 9/1/21	16 Sep 21 2:04
18	32	0920L32.D	1	210920B CCV 300ug/L	IS&S: 9/1/21	20 Sep 21 22:27
19	33	0920L33.D	1	210920B LCS 300ug/L	IS&S: 9/1/21	20 Sep 21 22:54
20	34	0920L34.D	1	210920B LCSD 300ug/L	IS&S: 9/1/21	20 Sep 21 23:22
21	35	0920L35.D	1	210920B BLK	IS&S: 9/1/21	20 Sep 21 23:49
22	36	0920L36.D	1	BA40208W02	IS&S: 9/1/21	21 Sep 21 00:17
23	37	0920L37.D	1	BA40209W02	IS&S: 9/1/21	21 Sep 21 00:44
24	38	0920L38.D	1	BA40210W01	IS&S: 9/1/21	21 Sep 21 1:12
25	39	0920L39.D	1	BA40211W02	IS&S: 9/1/21	21 Sep 21 1:39
26	40	0920L40.D	1	BA40212W02	IS&S: 9/1/21	21 Sep 21 2:06
27	41	0920L41.D	1	BA40213W02	IS&S: 9/1/21	21 Sep 21 2:34
28	42	0920L42.D	1	BA40214W02	IS&S: 9/1/21	21 Sep 21 3:01
29	43	0920L43.D	1	BA40215W02	IS&S: 9/1/21	21 Sep 21 3:29
30	44	0920L44.D	1	BA40216W02	IS&S: 9/1/21	21 Sep 21 3:56
31	46	0920L46.D	1	Ending CCV 300ug/L 9/20/21	IS&S: 9/1/21	21 Sep 21 4:51