



ALS Environmental
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www.alsglobal.com

July 07, 2020

Analytical Report for Service Request No: K2005426

Duane Morita
Naval Facilities Engineering Command Hawaii
Environmental Services Laboratory,
PRJ411
1423 Central Ave
Pearl Harbor, HI 96860

RE: JP-8

Dear Duane,

Enclosed are the results of the sample(s) submitted to our laboratory June 30, 2020
For your reference, these analyses have been assigned our service request number **K2005426**.

Analyses were performed according to our laboratory's NELAP-approved quality assurance program. The test results meet requirements of the current NELAP standards, where applicable, and except as noted in the laboratory case narrative provided. For a specific list of NELAP-accredited analytes, refer to the certifications section at www.alsglobal.com. All results are intended to be considered in their entirety, and ALS Group USA Corp. dba ALS Environmental (ALS) is not responsible for use of less than the complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report.

Please contact me if you have any questions. My extension is 3316. You may also contact me via email at Jeff.Christian@alsglobal.com.

Respectfully submitted,

ALS Group USA, Corp. dba ALS Environmental

Jeff Christian
Technical Services
Manager



ALS Environmental
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Acronyms

ASTM	American Society for Testing and Materials
A2LA	American Association for Laboratory Accreditation
CARB	California Air Resources Board
CAS Number	Chemical Abstract Service registry Number
CFC	Chlorofluorocarbon
CFU	Colony-Forming Unit
DEC	Department of Environmental Conservation
DEQ	Department of Environmental Quality
DHS	Department of Health Services
DOE	Department of Ecology
DOH	Department of Health
EPA	U. S. Environmental Protection Agency
ELAP	Environmental Laboratory Accreditation Program
GC	Gas Chromatography
GC/MS	Gas Chromatography/Mass Spectrometry
LOD	Limit of Detection
LOQ	Limit of Quantitation
LUFT	Leaking Underground Fuel Tank
M	Modified
MCL	Maximum Contaminant Level is the highest permissible concentration of a substance allowed in drinking water as established by the USEPA.
MDL	Method Detection Limit
MPN	Most Probable Number
MRL	Method Reporting Limit
NA	Not Applicable
NC	Not Calculated
NCASI	National Council of the Paper Industry for Air and Stream Improvement
ND	Not Detected
NIOSH	National Institute for Occupational Safety and Health
PQL	Practical Quantitation Limit
RCRA	Resource Conservation and Recovery Act
SIM	Selected Ion Monitoring
TPH	Total Petroleum Hydrocarbons
tr	Trace level is the concentration of an analyte that is less than the PQL but greater than or equal to the MDL.

Inorganic Data Qualifiers

- * The result is an outlier. See case narrative.
- # The control limit criteria is not applicable. See case narrative.
- B The analyte was found in the associated method blank at a level that is significant relative to the sample result as defined by the DOD or NELAC standards.
- E The result is an estimate amount because the value exceeded the instrument calibration range.
- J The result is an estimated value.
- U The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
DOD-QSM 4.2 definition : Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution.
- i The MRL/MDL or LOQ/LOD is elevated due to a matrix interference.
- X See case narrative.
- Q See case narrative. One or more quality control criteria was outside the limits.
- H The holding time for this test is immediately following sample collection. The samples were analyzed as soon as possible after receipt by the laboratory.

Metals Data Qualifiers

- # The control limit criteria is not applicable. See case narrative.
- J The result is an estimated value.
- E The percent difference for the serial dilution was greater than 10%, indicating a possible matrix interference in the sample.
- M The duplicate injection precision was not met.
- N The Matrix Spike sample recovery is not within control limits. See case narrative.
- S The reported value was determined by the Method of Standard Additions (MSA).
- U The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
DOD-QSM 4.2 definition : Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution.
- W The post-digestion spike for furnace AA analysis is out of control limits, while sample absorbance is less than 50% of spike absorbance.
- i The MRL/MDL or LOQ/LOD is elevated due to a matrix interference.
- X See case narrative.
- + The correlation coefficient for the MSA is less than 0.995.
- Q See case narrative. One or more quality control criteria was outside the limits.

Organic Data Qualifiers

- * The result is an outlier. See case narrative.
- # The control limit criteria is not applicable. See case narrative.
- A A tentatively identified compound, a suspected aldol-condensation product.
- B The analyte was found in the associated method blank at a level that is significant relative to the sample result as defined by the DOD or NELAC standards.
- C The analyte was qualitatively confirmed using GC/MS techniques, pattern recognition, or by comparing to historical data.
- D The reported result is from a dilution.
- E The result is an estimated value.
- J The result is an estimated value.
- N The result is presumptive. The analyte was tentatively identified, but a confirmation analysis was not performed.
- P The GC or HPLC confirmation criteria was exceeded. The relative percent difference is greater than 40% between the two analytical results.
- U The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
DOD-QSM 4.2 definition : Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution.
- i The MRL/MDL or LOQ/LOD is elevated due to a chromatographic interference.
- X See case narrative.
- Q See case narrative. One or more quality control criteria was outside the limits.

Additional Petroleum Hydrocarbon Specific Qualifiers

- F The chromatographic fingerprint of the sample matches the elution pattern of the calibration standard.
- L The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of lighter molecular weight constituents than the calibration standard.
- H The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of heavier molecular weight constituents than the calibration standard.
- O The chromatographic fingerprint of the sample resembles an oil, but does not match the calibration standard.
- Y The chromatographic fingerprint of the sample resembles a petroleum product eluting in approximately the correct carbon range, but the elution pattern does not match the calibration standard.
- Z The chromatographic fingerprint does not resemble a petroleum product.

ALS Group USA Corp. dba ALS Environmental (ALS) - Kelso
State Certifications, Accreditations, and Licenses

Agency	Web Site	Number
Alaska DEH	http://dec.alaska.gov/eh/lab/cs/csapproval.htm	UST-040
Arizona DHS	http://www.azdhs.gov/lab/license/env.htm	AZ0339
Arkansas - DEQ	http://www.adeq.state.ar.us/techsvs/labcert.htm	88-0637
California DHS (ELAP)	http://www.cdph.ca.gov/certlic/labs/Pages/ELAP.aspx	2795
DOD ELAP	http://www.denix.osd.mil/edqw/Accreditation/AccreditedLabs.cfm	L16-58-R4
Florida DOH	http://www.doh.state.fl.us/lab/EnvLabCert/WaterCert.htm	E87412
Hawaii DOH	http://health.hawaii.gov/	-
ISO 17025	http://www.pjllabs.com/	L16-57
Louisiana DEQ	http://www.deq.louisiana.gov/page/la-lab-accreditation	03016
Maine DHS	http://www.maine.gov/dhhs/	WA01276
Minnesota DOH	http://www.health.state.mn.us/accreditation	053-999-457
Nevada DEP	http://ndep.nv.gov/bsdwlabservice.htm	WA01276
New Jersey DEP	http://www.nj.gov/dep/enforcement/oqa.html	WA005
New York - DOH	https://www.wadsworth.org/regulatory/elap	12060
North Carolina DEQ	https://deq.nc.gov/about/divisions/water-resources/water-resources-data/water-sciences-home-page/laboratory-certification-branch/non-field-lab-certification	605
Oklahoma DEQ	http://www.deq.state.ok.us/CSDnew/labcert.htm	9801
Oregon – DEQ (NELAP)	http://public.health.oregon.gov/LaboratoryServices/EnvironmentalLaboratoryAccreditation/Pages/index.aspx	WA100010
South Carolina DHEC	http://www.scdhec.gov/environment/EnvironmentalLabCertification/	61002
Texas CEQ	http://www.tceq.texas.gov/field/qa/env_lab_accreditation.html	T104704427
Washington DOE	http://www.ecy.wa.gov/programs/eap/labs/lab-accreditation.html	C544
Wyoming (EPA Region 8)	https://www.epa.gov/region8-waterops/epa-region-8-certified-drinking-water	-
Kelso Laboratory Website	www.alsglobal.com	NA

Analyses were performed according to our laboratory's NELAP-approved quality assurance program. A complete listing of specific NELAP-certified analytes, can be found in the certification section at www.ALSGlobal.com or at the accreditation bodies web site.

Please refer to the certification and/or accreditation body's web site if samples are submitted for compliance purposes. The states highlighted above, require the analysis be listed on the state certification if used for compliance purposes and if the method/analyte is offered by that state.



Case Narrative

ALS Environmental—Kelso Laboratory
1317 South 13th Avenue, Kelso, WA 98626
Phone (360)577-7222 Fax (360)636-1068
www.alsglobal.com

Client: Naval Facilities Engineering Command Hawaii
Project: JP-8
Sample Matrix: Water

Service Request: K2005426
Date Received: 06/30/2020

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of ALS Environmental. This report contains analytical results for samples for the Tier level IV requested by the client.

Sample Receipt:

One water sample was received for analysis at ALS Environmental on 06/30/2020. Any discrepancies upon initial sample inspection are annotated on the sample receipt and preservation form included within this report. The samples were stored at minimum in accordance with the analytical method requirements.

Semivoa GC:

ICAL Rounding Discrepancy - ALS Reporting Software vs. Enviroquant Software:

Due to a discrepancy in the data reporting system the coefficient of determination (COD) evaluation was flagged for C8-C18 in JP-8 in CAL 16324. All calibration criteria were met as per method 8015 using the Enviroquant software. No further corrective action was required.

Approved by



Date

07/07/2020



Chain of Custody

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CHAIN OF CUSTODY

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SR#

COC Set of

COC# K2-005420

Page 1 of 1

Project Name Red Hill - JP8		Project Number:	
Project Manager Duane Morita			
Company NAVFAC Hawaii Env. Services Lab			
Address 1423 Central Ave			
Phone # (808) 471-0768	email duane.morita@navy.mil		
Sampler Signature K. Miyaki		Sampler Printed Name K. Miyaki	
NUMBER OF CONTAINERS		7D	
3015C / DRO			
CLIENT SAMPLE ID		LABID	
1. 20-06926 (360-011)			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			
SAMPLING Date Time		Matrix	
06/29/20 0915		DW	
3		X	

Report Requirements		Invoice Information		Turnaround Requirements	
☐ I. Routine Report: Method Blank, Surrogate, as required		P.O.#		☐ 24 hr. ☐ 48 hr.	
☒ II. Report Dup. (MS MSD as required) w/ chromatogram		Bill To:		☐ 5 Day ☐ Standard	
☐ III. CLP Like Summary (no raw data)					
☐ IV. Data Validation Report					
☐ V. EDD					
Requested Report Date					
Circle which metals are to be analyzed					
Total Metals: Al As Sb Ba Be B Ca Cd Co Cr Cu Fe Pb Mg Mn Mo Ni K Ag Na Se Sr Ti Sn V Zn Hg					
Dissolved Metals: Al As Sb Ba Be B Ca Cd Co Cr Cu Fe Pb Mg Mn Mo Ni K Ag Na Se Sr Ti Sn V Zn Hg					
Special Instructions/Comments:				*Indicate State Hydrocarbon Procedure: AK CA WI Northwest Other (Circle One)	
Relinquished By:		Received By:		Relinquished By:	
Signature K. Miyaki		Signature K. Miyaki		Signature	
Printed Name K. Miyaki		Printed Name K. Miyaki		Printed Name	
Firm NAVFAC HI		Firm Fedex		Firm	
Date/Time 06/24/20 1300		Date/Time 06/30/20 0915		Date/Time	



NAVFAC HAWAII ENVIRONMENTAL SERVICES LABORATORY CHAIN-OF-CUSTODY

Navy Facilities Engineering Command, Hawaii, Pearl Harbor, Hawaii Phone: (808) 474-3704, FAX: (808) 471-4534

JON: 178014602019	ESM:	POC: Kyle Teraoka	PH#: 473-3160	FAX#: 473-1545
Report To: Kyle Teraoka		Copy To: Dean Setiono		Copy To:
NAVFAC HI OPBP6		NAVFAC HI EV11		
kyle.teraoka@navy.mil		dean.setiono@navy.mil		

Sample ID	Sample Description	Matrix Code	Sampling		Container		Analysis Required	Preservative / Res. Cl (ppm)	FOR LAB USE ONLY				Cond.	
			Date	Time	Vol	Type			pH	Lab Number	Ext.	Lctn.	A	U
Joint Base Pearl Harbor-Hickam (360-011)	Red Hill, TP001, Tap outside the C12 Bldg	DW	6/24/20	0915	3x500L	Glass	IPH as Diesel (JP-8) (8015)			06926	1-3	C		
Joint Base Pearl Harbor-Hickam (360-001)	Red Hill, TP004, Red Hill Shaft Pumphead	DW	6/24/20	0925	3x500L	Glass	IPH as Diesel (JP-8) (8015)			06927	1-3	C		

Sampling Information		Transportation Information		Unused Sample Disposition	Sample Condition
Location Sampled: Red Hill		Transported/Stored in: Cooler with ice	Cooler Temp: °C	☐ Return to customer ☒ Dispose at 60 Days ☐ Archive for _____ Days ☐ Contact before disposal	☒ Received with CoC ☐ Received with Custody Seals ☐ Seals Required ☐ Seals Intact ☐ Labels and CoC agree
Sampler(s): (Print names clearly) K. Miyaki		Air bill/Carrier ID#:			
Remarks: Any EPA approved drinking water method for organic chemicals, 40 CFR 141.24, may be used. Laboratory must certified by the Hawaii State DOH Drinking Water Program. Analysis to include a low level matrix spike of JP-8 for each sample.					

Relinquished By: (Print clearly & Sign)		Date	Time	Received By: (Print clearly & Sign)		Date	Time
K. Miyaki <i>[Signature]</i>		6/24/20	0915	LaTanya Laney <i>[Signature]</i>		6/24/20	1201



PC JC

Cooler Receipt and Preservation Form

Client NAV fac Service Request K20
Received: 6/30/20 Opened: 6/30/20 By: [Signature] Unloaded: 6/30/20 By: [Signature]

1. Samples were received via? ☐ USPS ☒ Fed Ex ☐ UPS ☐ DHL ☐ PDX ☐ Courier ☐ Hand Delivered
2. Samples were received in: (circle) ☒ Cooler ☐ Box ☐ Envelope ☐ Other NA
3. Were custody seals on coolers? ☐ NA ☒ Y ☐ N If yes, how many and where? 2 front & back
- If present, were custody seals intact? ☒ Y ☐ N If present, were they signed and dated? ☒ Y ☐ N

Temp Blank	Sample 1	Sample 2	Sample 3	Sample 4	IR GUN	Cooler / COC ID	NA	Tracking Number	NA	Filed
5.9	—	—	—	—	1R02			7708 3133 0177		
4.1	—	—	—	—	11			11 0269		

4. Packing material: ☐ Inserts ☒ Baggies ☒ Bubble Wrap ☐ Gel Packs ☒ Wet Ice ☐ Dry Ice ☐ Sleeves
5. Were custody papers properly filled out (ink, signed, etc.)? ☐ NA ☒ Y ☐ N
6. Were samples received in good condition (temperature, unbroken)? *Indicate in the table below.* ☐ NA ☒ Y ☐ N
If applicable, tissue samples were received: ☐ Frozen ☐ Partially Thawed ☐ Thawed
7. Were all sample labels complete (i.e analysis, preservation, etc.)? ☐ NA ☒ Y ☐ N
8. Did all sample labels and tags agree with custody papers? *Indicate major discrepancies in the table on page 2.* ☐ NA ☒ Y ☐ N
9. Were appropriate bottles/containers and volumes received for the tests indicated? ☐ NA ☒ Y ☐ N
10. Were the pH-preserved bottles (*see SMO GEN SOP*) received at the appropriate pH? *Indicate in the table below* ☒ NA ☐ Y ☐ N
11. Were VOA vials received without headspace? *Indicate in the table below.* ☒ NA ☐ Y ☐ N
12. Was C12/Res negative? ☒ NA ☐ Y ☐ N

Sample ID on Bottle	Sample ID on COC	Identified by:

Sample ID	Bottle Count Bottle Type	Out of Temp	Head- space	Broke	pH	Reagent	Volume added	Reagent Lot Number	Initials	Time

Notes, Discrepancies, & Resolutions: _____



Semivolatile Range Organics by GC/FID

ALS Environmental—Kelso Laboratory
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Phone (360)577-7222 Fax (360)636-1068
www.alsglobal.com

Client: Naval Facilities Engineering Command Haw
Project: JP-8

Service Request: K2005426

Cover Page - Organic Analysis Data Package
Semivolatile Range Organics by GC/FID

Sample Name	Lab Code	Date Collected	Date Received
20-06926(360-011)	K2005426-001	06/29/2020	06/30/2020

Analytical Results

Client: Naval Facilities Engineering Command Haw
Project: JP-8
Sample Matrix: Water

Service Request: K2005426
Date Collected: 06/29/2020
Date Received: 06/30/2020

Semivolatile Range Organics by GC/FID

Sample Name: 20-06926(360-011)
Lab Code: K2005426-001
Extraction Method: EPA 3510C
Analysis Method: 8015C

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
JP-8 (C8 - C18)	200	Z	53	53	1	07/01/20	07/07/20	KWG2001876	*
C10 - C25 DRO	30	J	53	12	1	07/01/20	07/07/20	KWG2001876	

* See Case Narrative

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
o-Terphenyl	72	55-133	07/07/20	Acceptable

Comments: _____

Analytical Results

Client: Naval Facilities Engineering Command Haw
Project: JP-8
Sample Matrix: Water

Service Request: K2005426
Date Collected: NA
Date Received: NA

Semivolatile Range Organics by GC/FID

Sample Name: Method Blank
Lab Code: KWG2001876-4
Extraction Method: EPA 3510C
Analysis Method: 8015C

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
JP-8 (C8 - C18)	ND	U	50	50	1	07/01/20	07/07/20	KWG2001876	*
C10 - C25 DRO	26	J	50	11	1	07/01/20	07/07/20	KWG2001876	

* See Case Narrative

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
o-Terphenyl	70	55-133	07/07/20	Acceptable

Comments: _____

Client: Naval Facilities Engineering Command Haw
Project: JP-8
Sample Matrix: Water

Service Request: K2005426

Surrogate Recovery Summary
Semivolatile Range Organics by GC/FID

Extraction Method: EPA 3510C
Analysis Method: 8015C

Units: Percent
Level: Low

<u>Sample Name</u>	<u>Lab Code</u>	<u>Sur1</u>
20-06926(360-011)	K2005426-001	72
Method Blank	KWG2001876-4	70
Lab Control Sample	KWG2001876-2	77
Duplicate Lab Control Sample	KWG2001876-3	76

Surrogate Recovery Control Limits (%)

Sur1 = o-Terphenyl 55-133

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

QA/QC Report

Client: Naval Facilities Engineering Command Haw
Project: JP-8
Sample Matrix: Water

Service Request: K2005426
Date Extracted: 07/01/2020
Date Analyzed: 07/07/2020

Lab Control Spike/Duplicate Lab Control Spike Summary
Semivolatile Range Organics by GC/FID

Extraction Method: EPA 3510C
Analysis Method: 8015C

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: KWG2001876

Analyte Name	Lab Control Sample KWG2001876-2 Lab Control Spike			Duplicate Lab Control Sample KWG2001876-3 Duplicate Lab Control Spike			%Rec Limits	RPD	RPD Limit
	Result	Spike Amount	%Rec	Result	Spike Amount	%Rec			
JP-8 (C8 - C18)	2540	3200	79	2420	3200	76	70-130	5	30

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

QA/QC Report

Client: Naval Facilities Engineering Command Haw
Project: JP-8
Sample Matrix: Water

Service Request: K2005426
Date Extracted: 07/01/2020
Date Analyzed: 07/07/2020
Time Analyzed: 11:26

Method Blank Summary
Semivolatile Range Organics by GC/FID

Sample Name:	Method Blank	Instrument ID:	GC21
Lab Code:	KWG2001876-4	File ID:	J:\GC21\DATA\070620F JP8\0706F177.D
Extraction Method:	EPA 3510C	Level:	Low
Analysis Method:	8015C	Extraction Lot:	KWG2001876

This Method Blank applies to the following analyses:

Sample Name	Lab Code	File ID	Date Analyzed	Time Analyzed
Lab Control Sample	KWG2001876-2	J:\GC21\DATA\070620F JP8\0706F175.D	07/07/20	10:41
Duplicate Lab Control Sample	KWG2001876-3	J:\GC21\DATA\070620F JP8\0706F176.D	07/07/20	11:03
20-06926(360-011)	K2005426-001	J:\GC21\DATA\070620F JP8\0706F180.D	07/07/20	12:34

QA/QC Report

Client: Naval Facilities Engineering Command Haw
Project: JP-8
Sample Matrix: Water

Service Request: K2005426
Date Extracted: 07/01/2020
Date Analyzed: 07/07/2020
Time Analyzed: 11:26

Method Blank Summary
Semivolatile Range Organics by GC/FID

Sample Name:	Method Blank	Instrument ID:	GC21
Lab Code:	KWG2001876-4	File ID:	J:\GC21\DATA\070620F\0706F177.D
Extraction Method:	EPA 3510C	Level:	Low
Analysis Method:	8015C	Extraction Lot:	KWG2001876

This Method Blank applies to the following analyses:

Sample Name	Lab Code	File ID	Date Analyzed	Time Analyzed
20-06926(360-011)	K2005426-001	J:\GC21\DATA\070620F\0706F180.D	07/07/20	12:34

QA/QC Report

Client: Naval Facilities Engineering Command Haw
Project: JP-8
Sample Matrix: Water

Service Request: K2005426
Date Extracted: 07/01/2020
Date Analyzed: 07/07/2020
Time Analyzed: 10:41

Lab Control Sample Summary
Semivolatile Range Organics by GC/FID

Sample Name: Lab Control Sample
Lab Code: KWG2001876-2
Extraction Method: EPA 3510C
Analysis Method: 8015C

Instrument ID: GC21
File ID: J:\GC21\DATA\070620F JP8\0706F175.D
Level: Low
Extraction Lot: KWG2001876

This Lab Control Sample applies to the following analyses:

Sample Name	Lab Code	File ID	Date Analyzed	Time Analyzed
Method Blank	KWG2001876-4	J:\GC21\DATA\070620F JP8\0706F177.D	07/07/20	11:26
Method Blank	KWG2001876-4	J:\GC21\DATA\070620F\0706F177.D	07/07/20	11:26
20-06926(360-011)	K2005426-001	J:\GC21\DATA\070620F JP8\0706F180.D	07/07/20	12:34
20-06926(360-011)	K2005426-001	J:\GC21\DATA\070620F\0706F180.D	07/07/20	12:34

QA/QC Results

Client: Naval Facilities Engineering Command Haw
Project: JP-8

Service Request: K2005426
Calibration Date: 07/06/2020

Initial Calibration Summary
Semivolatile Range Organics by GC/FID

Calibration ID: CAL16324
Instrument ID: GC21

Column: ZB-1

Level ID	File ID	Level ID	File ID
A	J:\GC21\DATA\070620F\0706F115.D	F	J:\GC21\DATA\070620F\0706F120.D
B	J:\GC21\DATA\070620F\0706F116.D	G	J:\GC21\DATA\070620F\0706F121.D
C	J:\GC21\DATA\070620F\0706F117.D	H	J:\GC21\DATA\070620F\0706F122.D
D	J:\GC21\DATA\070620F\0706F118.D		
E	J:\GC21\DATA\070620F\0706F119.D		

Analyte Name	Level ID	Amt	RF	Level ID	Amt	RF	Level ID	Amt	RF	Level ID	Amt	RF	Level ID	Amt	RF
JP-8 (C8 - C18)	A	20	2730	B	50	2200	C	200	2000	D	500	1800	E	2000	1710
	F	5000	1530	G	20000	1480	H	50000	1450						
o-Terphenyl	A	1.0	2670	B	2.5	2770	C	10	2500	D	25	2500	E	100	2170
	F	250	2110												

Results flagged with an asterisk (*) indicate values outside control criteria.

QA/QC Results

Client: Naval Facilities Engineering Command Haw
Project: JP-8

Service Request: K2005426
Calibration Date: 07/06/2020

Initial Calibration Summary
Semivolatile Range Organics by GC/FID

Calibration ID: CAL16324
Instrument ID: GC21

Column: ZB-1

Analyte Name	Compound Type	Calibration Evaluation				
		Fit Type	Eval.	Eval. Result	Q	Control Criteria
JP-8 (C8 - C18)	MS	Linear	R2	0.990	*	≥ 0.99
o-Terphenyl	SURR	AverageRF	% RSD	10.8		≤ 20

Results flagged with an asterisk (*) indicate values outside control criteria.

QA/QC Results

Client: Naval Facilities Engineering Command Haw
Project: JP-8

Service Request: K2005426
Calibration Date: 07/06/2020
Date Analyzed: 07/06/2020

Second Source Calibration Verification
Semivolatile Range Organics by GC/FID

Calibration Type: External Standard
Analysis Method: 8015C

Calibration ID: CAL16324
Units: ppm

File ID: J:\GC21\DATA\070620F\0706F125.D

Column ID: ZB-1

Analyte Name	Expected	Result	Average RF	SSV RF	%D	%Drift	Criteria	Curve Fit
JP-8 (C8 - C18)	1000	860	1860	1430	NA	-14	± 20 %	Linear

Results flagged with an asterisk (*) indicate values outside control criteria.

† SPCC Compound

‡ CCC Compound

QA/QC Results

Client: Naval Facilities Engineering Command Haw
Project: JP-8

Service Request: K2005426
Calibration Date: 07/06/2020

Initial Calibration Summary
Semivolatile Range Organics by GC/FID

Calibration ID: CAL16326
Instrument ID: GC21

Column: ZB-1

Level ID	File ID	Level ID	File ID
A	J:\GC21\DATA\070620F\0706F129.D	K	J:\GC21\DATA\070620F\0706F150.D
B	J:\GC21\DATA\070620F\0706F130.D	L	J:\GC21\DATA\070620F\0706F157.D
C	J:\GC21\DATA\070620F\0706F131.D	M	J:\GC21\DATA\070620F\0706F158.D
D	J:\GC21\DATA\070620F\0706F132.D	N	J:\GC21\DATA\070620F\0706F159.D
E	J:\GC21\DATA\070620F\0706F133.D	O	J:\GC21\DATA\070620F\0706F160.D
F	J:\GC21\DATA\070620F\0706F134.D	P	J:\GC21\DATA\070620F\0706F161.D
G	J:\GC21\DATA\070620F\0706F146.D	Q	J:\GC21\DATA\070620F\0706F167.D
H	J:\GC21\DATA\070620F\0706F147.D	R	J:\GC21\DATA\070620F\0706F168.D
I	J:\GC21\DATA\070620F\0706F148.D		
J	J:\GC21\DATA\070620F\0706F149.D		

Analyte Name	Level ID	Amt	RF	Level ID	Amt	RF	Level ID	Amt	RF	Level ID	Amt	RF	Level ID	Amt	RF
C10 - C25 DRO	A	20	2010	B	50	1900	C	200	1690	D	500	1550	E	2000	1520
	F	5000	1380												
				Q	50000	1340	R	20000	1410						
o-Terphenyl	A	1.0	2750	B	2.5	2870	C	10	2420	D	25	2430	E	100	2220
	F	250	2110												

Results flagged with an asterisk (*) indicate values outside control criteria.

QA/QC Results

Client: Naval Facilities Engineering Command Haw
Project: JP-8

Service Request: K2005426
Calibration Date: 07/06/2020

Initial Calibration Summary
Semivolatile Range Organics by GC/FID

Calibration ID: CAL16326
Instrument ID: GC21

Column: ZB-1

Analyte Name	Compound Type	Calibration Evaluation				
		Fit Type	Eval.	Eval. Result	Q	Control Criteria
C10 - C25 DRO	MS	AverageRF	% RSD	15.4		≤ 20
o-Terphenyl	SURR	AverageRF	% RSD	12.0		≤ 20

Results flagged with an asterisk (*) indicate values outside control criteria.

QA/QC Results

Client: Naval Facilities Engineering Command Haw
Project: JP-8

Service Request: K2005426
Calibration Date: 07/06/2020
Date Analyzed: 07/07/2020

Second Source Calibration Verification
Semivolatile Range Organics by GC/FID

Calibration Type: External Standard
Analysis Method: 8015C

Calibration ID: CAL16326
Units: ppm

File ID: J:\GC21\DATA\070620F\0706F152.D
J:\GC21\DATA\070620F\0706F163.D
J:\GC21\DATA\070620F\0706F170.D

Column ID: ZB-1

Analyte Name	Expected	Result	Average RF	SSV RF	%D	%Drift	Criteria	Curve Fit
C10 - C25 DRO	1000	870	1600	1390	-13	NA	± 20 %	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

† SPCC Compound

‡ CCC Compound

QA/QC Results

Client: Naval Facilities Engineering Command Haw
Project: JP-8

Service Request: K2005426
Date Analyzed: 07/07/2020

Continuing Calibration Verification Summary
Semivolatile Range Organics by GC/FID

Calibration Type: External Standard
Analysis Method: 8015C

Calibration Date: 07/06/2020
Calibration ID: CAL16324
Analysis Lot: KWG2001922
Units: ppm
Column ID: ZB-1

File ID: J:\GC21\DATA\070620F JP8\0706F172.D

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
JP-8 (C8 - C18)	1000	950	1860	1570	NA	-5	± 20	Linear
o-Terphenyl	50	42	2450	2040	-17	NA	± 20	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

QA/QC Results

Client: Naval Facilities Engineering Command Haw
Project: JP-8

Service Request: K2005426
Date Analyzed: 07/07/2020

Continuing Calibration Verification Summary
Semivolatile Range Organics by GC/FID

Calibration Type: External Standard
Analysis Method: 8015C

Calibration Date: 07/06/2020
Calibration ID: CAL16326
Analysis Lot: KWG2001921
Units: ppm
Column ID: ZB-1

File ID: J:\GC21\DATA\070620F\0706F173.D

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
C10 - C25 DRO	1000	880	1600	1410	-12	NA	± 20	AverageRF
o-Terphenyl	50	44	2470	2170	-12	NA	± 20	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

QA/QC Results

Client: Naval Facilities Engineering Command Haw
Project: JP-8

Service Request: K2005426
Date Analyzed: 07/07/2020

Continuing Calibration Verification Summary
Semivolatile Range Organics by GC/FID

Calibration Type: External Standard
Analysis Method: 8015C

Calibration Date: 07/06/2020
Calibration ID: CAL16324
Analysis Lot: KWG2001922
Units: ppm
Column ID: ZB-1

File ID: J:\GC21\DATA\070620F JP8\0706F181.D

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
JP-8 (C8 - C18)	1000	950	1860	1570	NA	-5	± 20	Linear
o-Terphenyl	50	41	2450	2030	-17	NA	± 20	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

QA/QC Results

Client: Naval Facilities Engineering Command Haw
Project: JP-8

Service Request: K2005426
Date Analyzed: 07/07/2020

Continuing Calibration Verification Summary
Semivolatile Range Organics by GC/FID

Calibration Type: External Standard
Analysis Method: 8015C

Calibration Date: 07/06/2020
Calibration ID: CAL16326
Analysis Lot: KWG2001921
Units: ppm
Column ID: ZB-1

File ID: J:\GC21\DATA\070620F\0706F182.D

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
C10 - C25 DRO	1000	880	1600	1410	-12	NA	± 20	AverageRF
o-Terphenyl	50	44	2470	2180	-12	NA	± 20	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

QA/QC Results

Client: Naval Facilities Engineering Command Haw
Project: JP-8

Service Request: K2005426

Analysis Run Log
Semivolatile Range Organics by GC/FID

Analysis Method: 8015C

Analysis Lot: KWG2001921
Instrument ID: GC21
Column: ZB-1

File ID	Sample Name	Lab Code	Date Analysis Started	Start Time	Q	Date Analysis Finished	Finish Time
0706F173.D	Continuing Calibration Verification	KWG2001921-1	7/7/2020	09:56		7/7/2020	10:12
0706F174.D	Instrument Blank	KWG2001921-3	7/7/2020	10:18		7/7/2020	10:34
0706F177.D	Method Blank	KWG2001876-4	7/7/2020	11:26		7/7/2020	11:42
0706F178.D	ZZZZZZ	ZZZZZZ	7/7/2020	11:49		7/7/2020	12:05
0706F180.D	20-06926(360-011)	K2005426-001	7/7/2020	12:34		7/7/2020	12:50
0706F182.D	Continuing Calibration Verification	KWG2001921-2	7/7/2020	13:19		7/7/2020	13:35
0706F183.D	Instrument Blank	KWG2001921-4	7/7/2020	13:42		7/7/2020	13:58

Results flagged with an asterisk (*) indicate the holding time was exceeded for the analysis

QA/QC Results

Client: Naval Facilities Engineering Command Haw
Project: JP-8

Service Request: K2005426

Analysis Run Log
Semivolatile Range Organics by GC/FID

Analysis Method: 8015C

Analysis Lot: KWG2001922
Instrument ID: GC21
Column: ZB-1

File ID	Sample Name	Lab Code	Date Analysis Started	Start Time	Q	Date Analysis Finished	Finish Time
0706F172.D	Continuing Calibration Verification	KWG2001922-1	7/7/2020	09:33		7/7/2020	09:49
0706F174.D	Instrument Blank	KWG2001922-3	7/7/2020	10:18		7/7/2020	10:34
0706F175.D	Lab Control Sample	KWG2001876-2	7/7/2020	10:41		7/7/2020	10:57
0706F176.D	Duplicate Lab Control Sample	KWG2001876-3	7/7/2020	11:03		7/7/2020	11:19
0706F177.D	Method Blank	KWG2001876-4	7/7/2020	11:26		7/7/2020	11:42
0706F178.D	ZZZZZZ	ZZZZZZ	7/7/2020	11:49		7/7/2020	12:05
0706F179.D	ZZZZZZ	ZZZZZZ	7/7/2020	12:11		7/7/2020	12:27
0706F180.D	20-06926(360-011)	K2005426-001	7/7/2020	12:34		7/7/2020	12:50
0706F181.D	Continuing Calibration Verification	KWG2001922-2	7/7/2020	12:56		7/7/2020	13:12
0706F183.D	Instrument Blank	KWG2001922-4	7/7/2020	13:42		7/7/2020	13:58

Results flagged with an asterisk (*) indicate the holding time was exceeded for the analysis

QA/QC Results

Client: Naval Facilities Engineering Command Haw
Project: JP-8
Sample Matrix: Water

Service Request: K2005426
Date Extracted: 07/01/2020

Extraction Prep Log
Semivolatile Range Organics by GC/FID

Extraction Method: EPA 3510C
Analysis Method: 8015C

Extraction Lot: KWG2001876
Level: Low

Sample Name	Lab Code	Date Collected	Date Received	Sample Amount	Final Volume	% Solids	Note
20-06926(360-011)	K2005426-001	06/29/20	06/30/20	480mL	1ml	NA	
Method Blank	KWG2001876-4	NA	NA	500mL	1ml	NA	
Lab Control Sample	KWG2001876-2	NA	NA	500mL	1ml	NA	
Duplicate Lab Control Sample	KWG2001876-3	NA	NA	500mL	1ml	NA	

Results flagged with an asterisk (*) indicate the holding time was exceeded for the analysis



Raw Data

ALS Environmental—Kelso Laboratory
1317 South 13th Avenue, Kelso, WA 98626
Phone (360)577-7222 Fax (360)636-1068
www.alsglobal.com



Semivolatile Range Organics by GC/FID

ALS Environmental—Kelso Laboratory
1317 South 13th Avenue, Kelso, WA 98626
Phone (360)577-7222 Fax (360)636-1068
www.alsglobal.com

Exception Report

Data File: J:\GC21\DATA\070620F JP8\0706F180.D
Lab ID: K2005426-001
RunType: SMPL
Matrix: WATER

Date Acquired: 07/07/2020 12:34
Date Quantitated: 07/07/2020 13:03
Batch ID: KWG2001922
Analysis Method: 8015C
ListJoinID: LJ20244

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Analytical Holding Time	NA	NA	NA	x	
Preparation Holding Time	NA	NA	NA	x	
Pre-Preparation Holding Time	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA		x
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA	x	
Continuing Calibration Recovery (Closing)	NA	NA	NA	x	
Method Blank	NA	NA	NA	x	
MB Surrogate Recovery	NA	NA	NA	x	
Lab Control Spike	NA	NA	NA	x	
Duplicate Lab Control Spike	NA	NA	NA	x	
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA	x	
Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
ICAL Analyte Recovery	JP-8 (C8 - C18)	0.9895	0.99	NA	narr

Primary Review: _____

Secondary Review: _____

Quantitation Report

Data File:	J:\GC21\DATA\070620F JP8\0706F180.D	Instrument:	GC21
Acqu Date:	07/07/2020 12:34	Quant Date:	07/07/2020 13:03
Run Type:	SMPL	ListJoinID:	LJ20244
Lab ID:	K2005426-001	Vial:	37
		Dilution:	1.0
		Soln Conc. Units:	ppm

Bottle ID:		Tier:	IV	Matrix:	WATER
Prod Code:	8015C DRO	Collect Date:	06/29/2020	Receive Date:	06/30/2020

Analysis Lot:	KWG2001922	Prep Lot:	KWG2001876	Report Group:	K2005426
Analysis Method:	8015C	Prep Method:	EPA 3510C		
Prep Ref:	1752228	Prep Date:	07/01/2020		

Quant Method:	J:\GC21\METHODS\070620FJP8.M	Calibration ID:	CAL16324
Title:	Semivolatile Range Organics by GC/FID	Report List ID:	LJ20244
		Method ID:	MJ745
MB Ref:	J:\GC21\DATA\070620F JP8\0706F177.D	Quant based on Report List	

Surrogate Compounds

Parameter Name	RT	RT Dev	Response	Solution Conc	%Rec	%Rec Limits	Rpt?
o-Terphenyl	5.53	0.00?	88959	36.26	73	55-133 OK	NR

Target Compounds

Parameter Name	RT	RT Dev	Response	Solution Conc	Final Conc	Q	Rpt?
JP-8 (C8 - C18)	2.38		179947	95.82	200	Z	

Prep Amount: 480 mL **Dilution:** 1.0
Prep Final Vol: 1 ml **Unit Factor:** 1000

Final Concentration = ((Soln Conc x Prep Final Vol x Dilution) / Prep Amount) x Unit Factor

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File : J:\GC21\DATA\070620F JP8\0706F180.D Vial: 37
 Acq On : 07 Jul 2020 12:34 pm Operator: TAP
 Sample : K2005426-001 Inst : GC21
 Misc : Multiplr: 1.00
 IntFile : rteint.p
 Quant Time: Jul 07 13:03:18 2020 Quant Results File: 070620FJP8.RES

Quant Method : J:\GC21\METHODS\070620FJP8.M (RTE Integrator)
 Title : JP-8 by GC/FID CAL16321
 Last Update : Tue Jul 07 10:49:20 2020
 Response via : Initial Calibration
 DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
 Signal Phase : ZB-1
 Signal Info : 15m x 0.25mm x 1.0 um

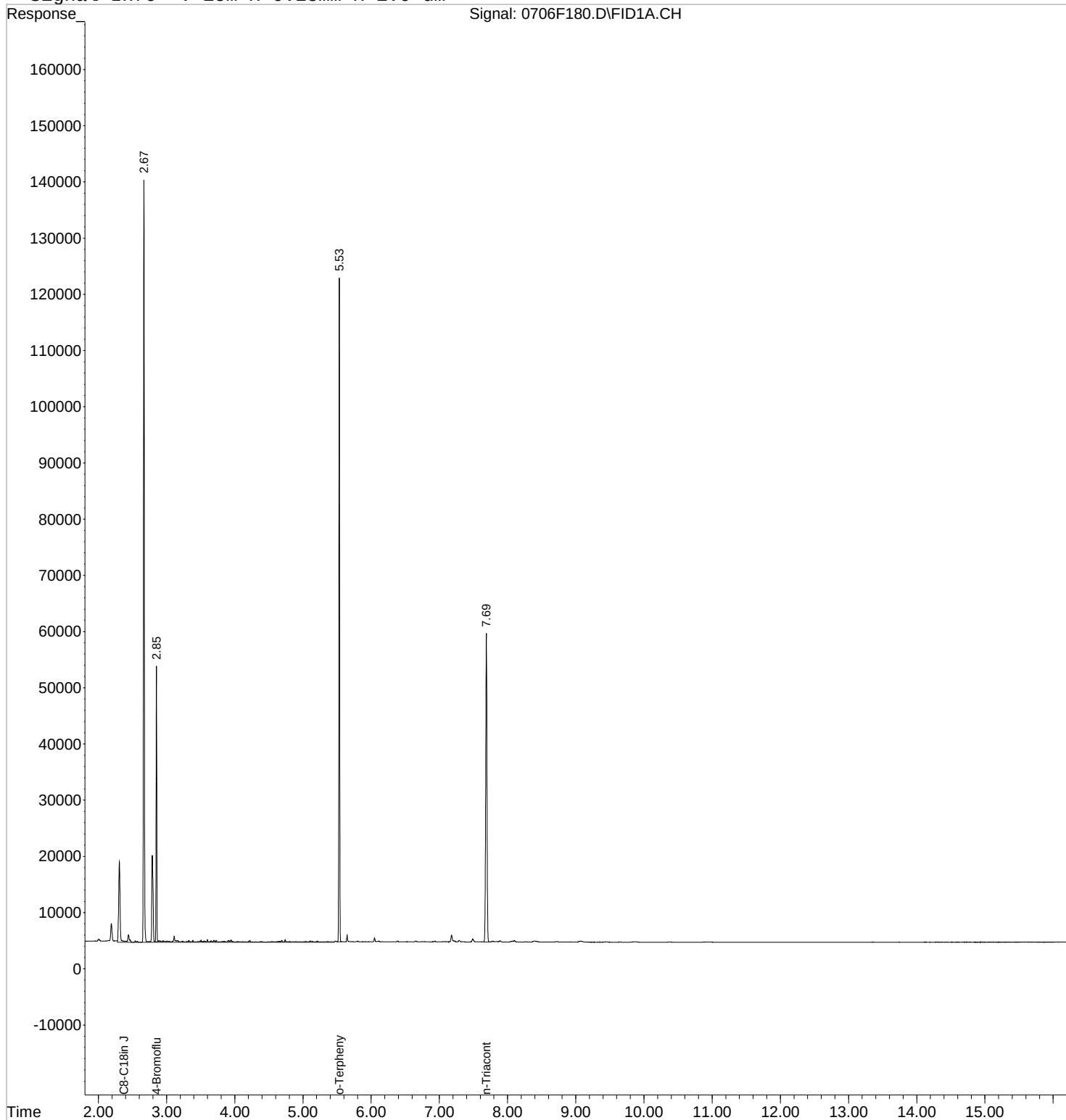
Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S 4-Bromofluorobenzene	2.85	35243	28.389 ppm
Spiked Amount 50.000	Recovery	=	56.78%
2) S o-Terphenyl	5.53	88959	36.256 ppm
Spiked Amount 50.000	Recovery	=	72.51%
3) S n-Triacontane	7.69	73978	36.182 ppm
Spiked Amount 50.000	Recovery	=	72.36%
Target Compounds			
4) H C8-C18in JP-8	2.38	179947	95.822 ppm

Data File : J:\GC21\DATA\070620F JP8\0706F180.D Vial: 37
Acq On : 07 Jul 2020 12:34 pm Operator: TAP
Sample : K2005426-001 Inst : GC21
Misc : Multiplr: 1.00
IntFile : rteint.p
Quant Time: Jul 7 13:03 2020 Quant Results File: 070620FJP8.RES

Quant Method : J:\GC21\METHODS\070620FJP8.M (RTE Integrator)
Title : JP-8 by GC/FID CAL16321
Last Update : Tue Jul 07 10:49:20 2020
Response via : Single Level Calibration
DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
Signal Phase : ZB-1
Signal Info : 15m x 0.25mm x 1.0 um



Exception Report

Data File: J:\GC21\DATA\070620F\0706F180.D
Lab ID: K2005426-001
RunType: SMPL
Matrix: WATER

Date Acquired: 07/07/2020 12:34
Date Quantitated: 07/07/2020 12:58
Batch ID: KWG2001921
Analysis Method: 8015C
ListJoinID: LJ20244

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Analytical Holding Time	NA	NA	NA	x	
Preparation Holding Time	NA	NA	NA	x	
Pre-Preparation Holding Time	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA	x	
Continuing Calibration Recovery (Closing)	NA	NA	NA	x	
Method Blank	NA	NA	NA	x	
MB Surrogate Recovery	NA	NA	NA	x	
Lab Control Spike	NA	NA	NA	x	
Duplicate Lab Control Spike	NA	NA	NA	x	
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA	x	
Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Primary Review: _____

Secondary Review: _____

Quantitation Report

Data File:	J:\GC21\DATA\070620F\0706F180.D	Instrument:	GC21
Acqu Date:	07/07/2020 12:34	Quant Date:	07/07/2020 12:58
Run Type:	SMPL	ListJoinID:	LJ20244
Lab ID:	K2005426-001	Vial:	37
		Dilution:	1.0
		Soln Conc. Units:	ppm

Bottle ID:		Tier:	IV	Matrix:	WATER
Prod Code:	8015C DRO	Collect Date:	06/29/2020	Receive Date:	06/30/2020

Analysis Lot:	KWG2001921	Prep Lot:	KWG2001876	Report Group:	K2005426
Analysis Method:	8015C	Prep Method:	EPA 3510C		
Prep Ref:	1752228	Prep Date:	07/01/2020		

Quant Method:	J:\GC21\METHODS\070620F.M	Calibration ID:	CAL16326
Title:	Semivolatile Range Organics by GC/FID	Report List ID:	LJ20244
		Method ID:	MJ745
MB Ref:	J:\GC21\DATA\070620F\0706F177.D	Quant based on Report List	

Surrogate Compounds

Parameter Name	RT	RT Dev	Response	Solution Conc	%Rec	%Rec Limits	Rpt?
o-Terphenyl	5.53	0.00?	88959	36.07	72	55-133	OK

Target Compounds

			Final Conc. Units:		ug/L		
Parameter Name	RT	RT Dev	Response	Solution Conc	Final Conc	Q	Rpt?
C10 - C25 DRO	3.19		22920	14.32	30	J	

Prep Amount: 480 mL **Dilution:** 1.0
Prep Final Vol: 1 ml **Unit Factor:** 1000

Final Concentration = ((Soln Conc x Prep Final Vol x Dilution) / Prep Amount) x Unit Factor

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File : J:\GC21\DATA\070620F\0706F180.D Vial: 37
 Acq On : 07 Jul 2020 12:34 pm Operator: TAP
 Sample : K2005426-001 Inst : GC21
 Misc : Multiplr: 1.00
 IntFile : rteint.p
 Quant Time: Jul 07 12:57:41 2020 Quant Results File: 070620F.RES

Quant Method : J:\GC21\METHODS\070620F.M (RTE Integrator)
 Title : 8015/NWTPH/AK SVF MJ257 CAL16158
 Last Update : Tue Jul 07 08:30:44 2020
 Response via : Initial Calibration
 DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
 Signal Phase : ZB-1
 Signal Info : 15m x 0.25mm x 1.0 um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S 4-Bromofluorobenzene	2.85	35243	28.917 ppm
Spiked Amount 50.000	Recovery	=	57.83%
2) S o-Terphenyl	5.53	88959	36.069 ppm
Spiked Amount 50.000	Recovery	=	72.14%
3) S n-Triacontane	7.69	73978	36.597 ppm
Spiked Amount 50.000	Recovery	=	73.19%
Target Compounds			
6) H C10-C25ex DRO [AK102]	3.19	22920	14.323 ppm
7) H C10-C28in DRO [8015]	3.19	35289	21.107 ppm
8) H C12-C25ex DRO [NWTPH]	3.84	20498	15.228 ppm
10) H C25-C36in RRO [NWTPH]	6.71	17085	18.601 ppm
11) H C25-C36in RRO [AK103]	6.71	17663	20.327 ppm

Data File : J:\GC21\DATA\070620F\0706F180.D

Vial: 37

Acq On : 07 Jul 2020 12:34 pm

Operator: TAP

Sample : K2005426-001

Inst : GC21

Misc :

Multiplr: 1.00

IntFile : rteint.p

Quant Time: Jul 7 12:58 2020 Quant Results File: 070620F.RES

Quant Method : J:\GC21\METHODS\070620F.M (RTE Integrator)

Title : 8015/NWTPH/AK SVF MJ257 CAL16158

Last Update : Tue Jul 07 08:30:44 2020

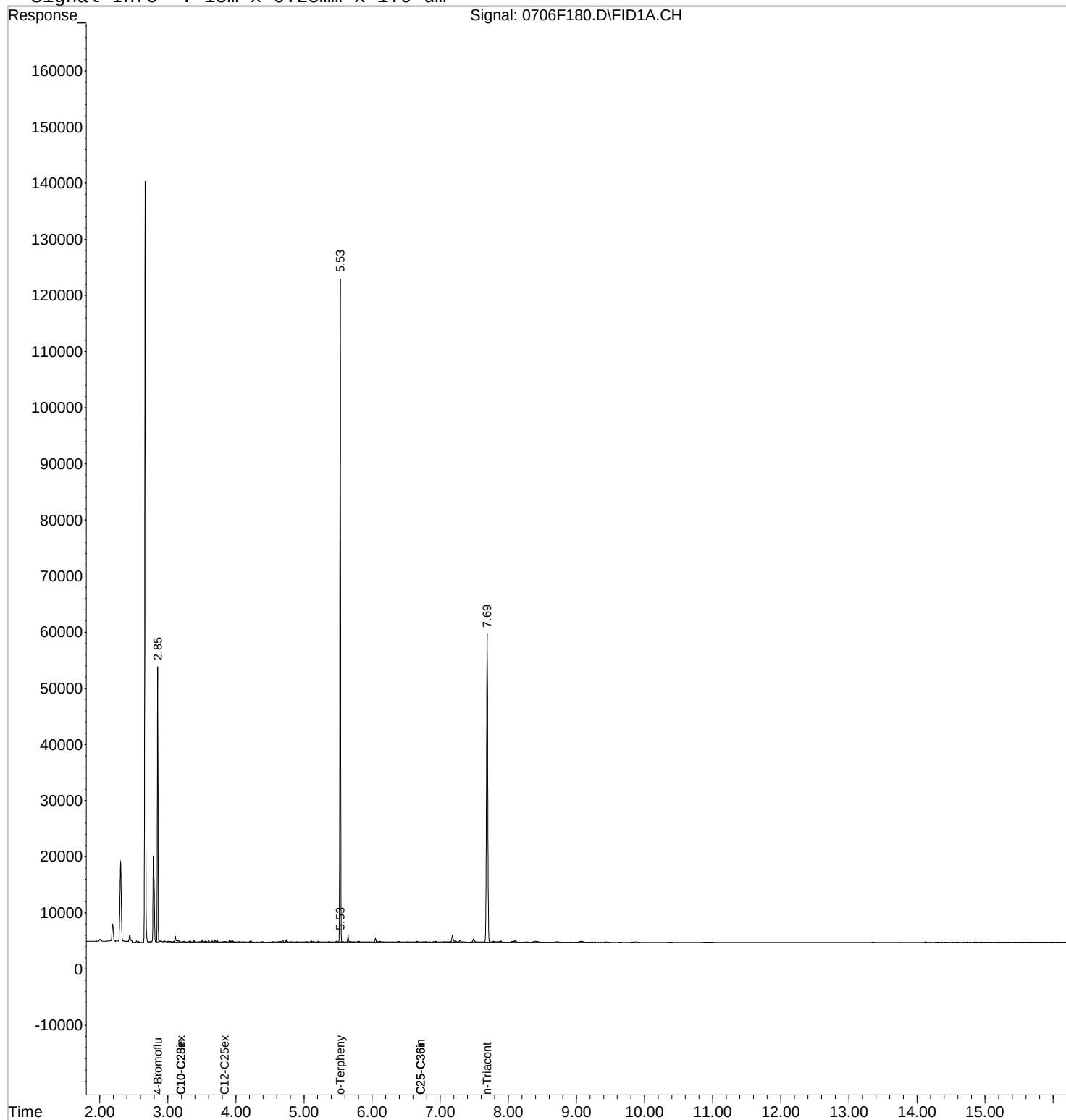
Response via : Single Level Calibration

DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL

Signal Phase : ZB-1

Signal Info : 15m x 0.25mm x 1.0 um



Data File : J:\GC21\DATA\070620F\0706F180.D

Acq On : 07 Jul 2020 12:34 pm

Sample : K2005426-001

Misc :

IntFile : rteint.p

Quant Time: Jul 7 12:57 2020 Quant Results File: 070620F.RES

Vial: 37

Operator: TAP

Inst : GC21

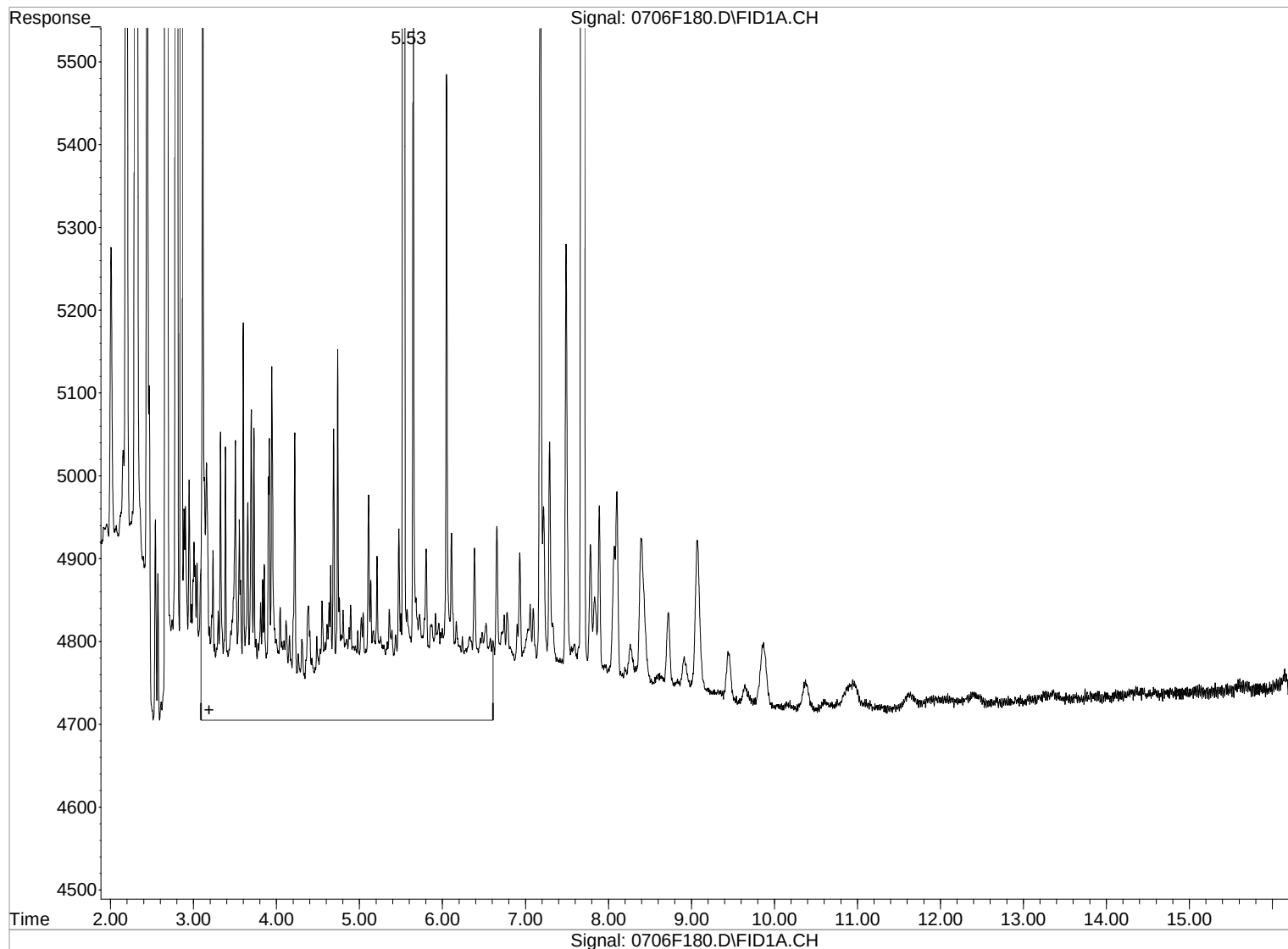
Multiplr: 1.00

Method : J:\GC21\METHODS\070620F.M (RTE Integrator)

Title : 8015/NWTPH/AK SVF MJ257 CAL16158

Last Update : Tue Jul 07 08:30:44 2020

Response via : Multiple Level Calibration



(6) C10-C25ex DRO [AK102] (H)

Manual Integration:

3.19min 17.147ppm

Before

response 27439

07/07/20

(+) = Expected Retention Time

0706F180.D 070620F.M

Tue Jul 07 12:58:29 2020

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Data File : J:\GC21\DATA\070620F\0706F180.D

Acq On : 07 Jul 2020 12:34 pm

Sample : K2005426-001

Misc :

IntFile : rteint.p

Quant Time: Jul 7 12:57 2020 Quant Results File: 070620F.RES

Vial: 37

Operator: TAP

Inst : GC21

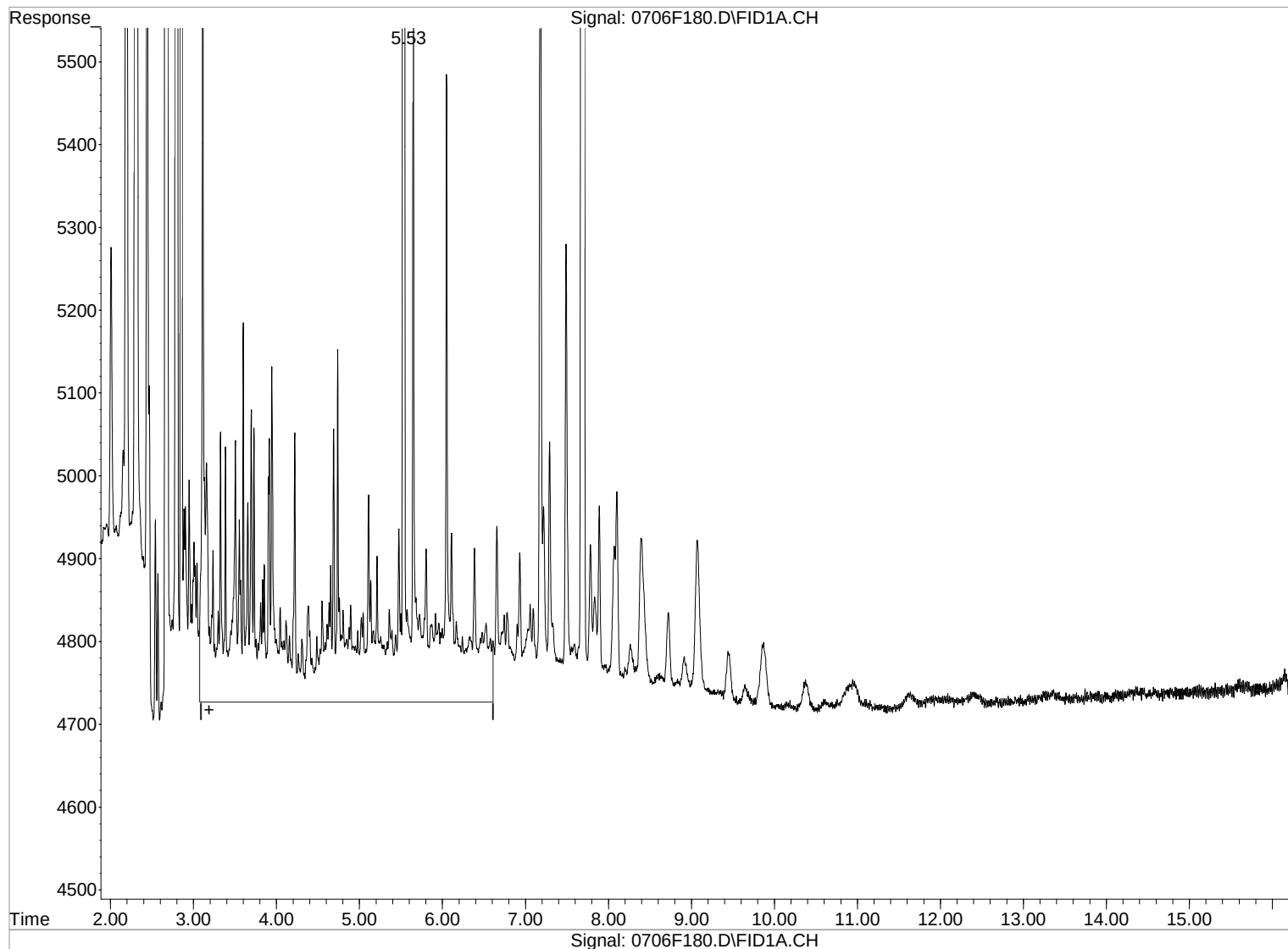
Multiplr: 1.00

Method : J:\GC21\METHODS\070620F.M (RTE Integrator)

Title : 8015/NWTPH/AK SVF MJ257 CAL16158

Last Update : Tue Jul 07 08:30:44 2020

Response via : Multiple Level Calibration



(6) C10-C25ex DRO [AK102] (H)

3.19min 14.323ppm

response 22920

Manual Integration:

After

Baseline/Shoulder

07/07/20

(+) = Expected Retention Time

0706F180.D 070620F.M Tue Jul 07 12:58:40 2020

Exception Report

Data File: J:\GC21\DATA\070620F JP8\0706F177.D
Lab ID: KWG2001876-4
RunType: MB
Matrix: WATER

Date Acquired: 07/07/2020 11:26
Date Quantitated: 07/07/2020 13:02
Batch ID: KWG2001922
Analysis Method: 8015C
MethodJoinID: MJ745

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Analytical Holding Time	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA		x
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA	x	
Continuing Calibration Recovery (Closing)	NA	NA	NA	x	
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA	x	
Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
ICAL Analyte Recovery	JP-8 (C8 - C18)	0.9895	0.99	NA	narr

Primary Review: _____

Secondary Review: _____

Quantitation Report

Data File:	J:\GC21\DATA\070620F JP8\0706F177.D	Instrument:	GC21
Acqu Date:	07/07/2020 11:26	Quant Date:	07/07/2020 13:02
Run Type:	MB	MethodJoinID:	MJ745
Lab ID:	KWG2001876-4	Dilution:	1.0
		Soln Conc. Units:	ppm

Bottle ID:		Tier:		Matrix:	WATER
Prod Code:	8015C DRO	Collect Date:		Receive Date:	07/02/2020

Analysis Lot:	KWG2001922	Prep Lot:	KWG2001876	Report Group:	
Analysis Method:	8015C	Prep Method:	EPA 3510C		
Prep Ref:	1752232	Prep Date:	07/01/2020		

Quant Method:	J:\GC21\METHODS\070620FJP8.M	Calibration ID:	CAL16324
Title:		Method ID:	MJ745
MB Ref:		Quant based on Method	

Surrogate Compounds

Parameter Name	RT	RT Dev	Response	Solution Conc	%Rec	%Rec Limits	Rpt?
4-Bromofluorobenzene	2.85	0.00?	33514	27.00	54	50-150 OK	
o-Terphenyl	5.53	0.00?	86712	35.34	71	55-133 OK	NR
n-Triacontane	7.69	0.00?	68989	33.74	67	54-136 OK	

Target Compounds

Parameter Name	RT	RT Dev	Response	Solution Conc	Final Conc	Q	Rpt?
JP-8 (C8 - C18)	2.38		28388	3.15	50	U	

Prep Amount: 500 mL **Dilution:** 1.0
Prep Final Vol: 1 ml **Unit Factor:** 1000

Final Concentration = ((Soln Conc x Prep Final Vol x Dilution) / Prep Amount) x Unit Factor

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File : J:\GC21\DATA\070620F JP8\0706F177.D Vial: 34
 Acq On : 07 Jul 2020 11:26 am Operator: TAP
 Sample : KWG2001876-004 MB Inst : GC21
 Misc : Multiplr: 1.00
 IntFile : rteint.p
 Quant Time: Jul 07 13:02:21 2020 Quant Results File: 070620FJP8.RES

Quant Method : J:\GC21\METHODS\070620FJP8.M (RTE Integrator)
 Title : JP-8 by GC/FID CAL16321
 Last Update : Tue Jul 07 10:49:20 2020
 Response via : Initial Calibration
 DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
 Signal Phase : ZB-1
 Signal Info : 15m x 0.25mm x 1.0 um

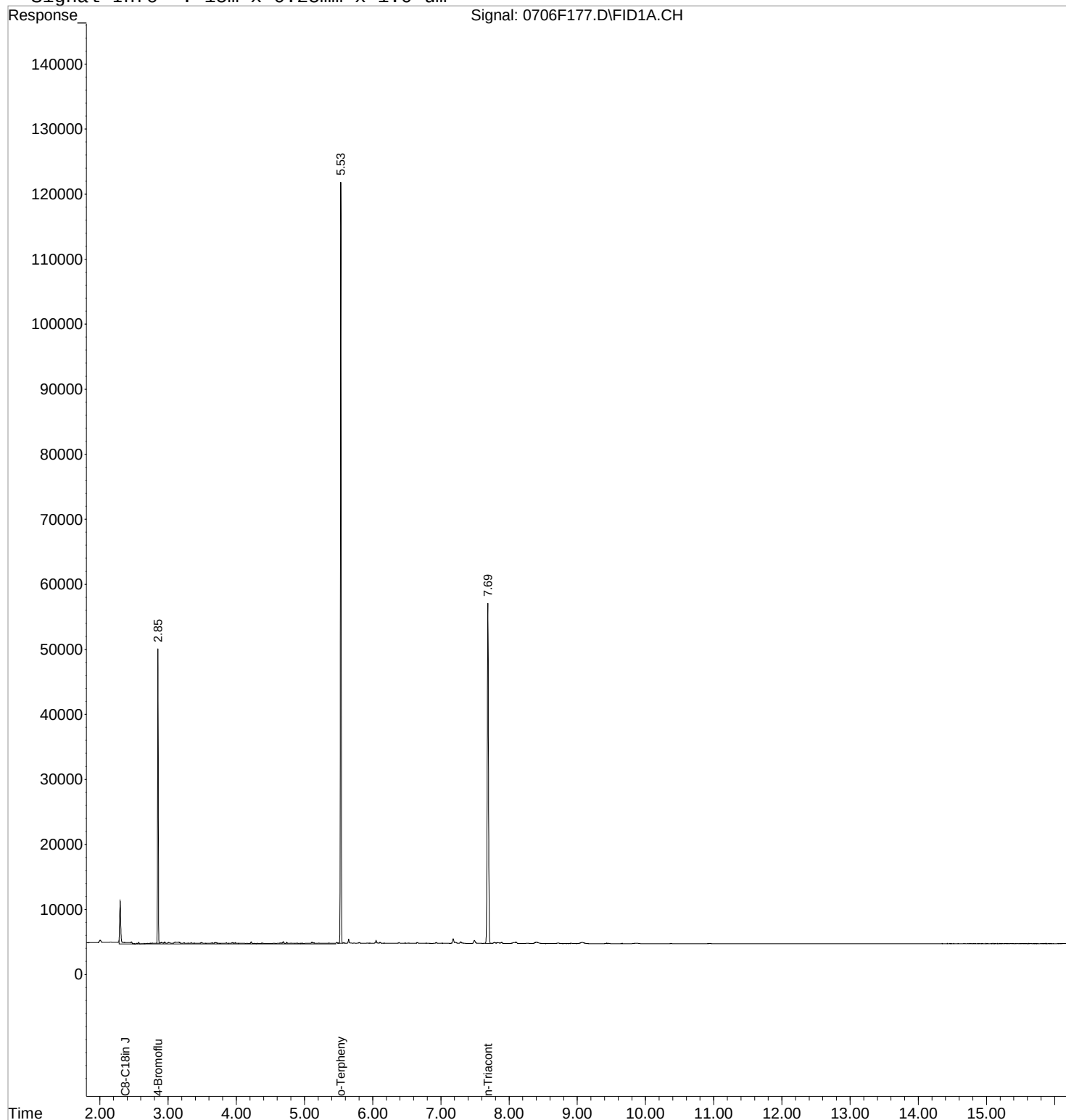
Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S 4-Bromofluorobenzene	2.85	33514	26.996 ppm
Spiked Amount 50.000	Recovery	=	53.99%
2) S o-Terphenyl	5.53	86712	35.340 ppm
Spiked Amount 50.000	Recovery	=	70.68%
3) S n-Triacontane	7.69	68989	33.742 ppm
Spiked Amount 50.000	Recovery	=	67.48%
Target Compounds			
4) H C8-C18in JP-8	2.38	28388	3.149 ppm

Data File : J:\GC21\DATA\070620F JP8\0706F177.D Vial: 34
Acq On : 07 Jul 2020 11:26 am Operator: TAP
Sample : KWG2001876-004 MB Inst : GC21
Misc : Multiplr: 1.00
IntFile : rteint.p
Quant Time: Jul 7 13:02 2020 Quant Results File: 070620FJP8.RES

Quant Method : J:\GC21\METHODS\070620FJP8.M (RTE Integrator)
Title : JP-8 by GC/FID CAL16321
Last Update : Tue Jul 07 10:49:20 2020
Response via : Single Level Calibration
DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
Signal Phase : ZB-1
Signal Info : 15m x 0.25mm x 1.0 um



Exception Report

Data File: J:\GC21\DATA\070620F\0706F177.D
Lab ID: KWG2001876-4
RunType: MB
Matrix: WATER

Date Acquired: 07/07/2020 11:26
Date Quantitated: 07/07/2020 12:56
Batch ID: KWG2001921
Analysis Method: 8015C
MethodJoinID: MJ745

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Analytical Holding Time	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA	x	
Continuing Calibration Recovery (Closing)	NA	NA	NA	x	
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA		x
Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Primary Review: _____

Secondary Review: _____

Quantitation Report

Data File:	J:\GC21\DATA\070620F\0706F177.D	Instrument:	GC21
Acqu Date:	07/07/2020 11:26	Quant Date:	07/07/2020 12:56
Run Type:	MB	MethodJoinID:	MJ745
Lab ID:	KWG2001876-4	Vial:	34
		Dilution:	1.0
		Soln Conc. Units:	ppm

Bottle ID:		Tier:		Matrix:	WATER
Prod Code:	8015C DRO	Collect Date:		Receive Date:	07/02/2020

Analysis Lot:	KWG2001921	Prep Lot:	KWG2001876	Report Group:	
Analysis Method:	8015C	Prep Method:	EPA 3510C		
Prep Ref:	1752232	Prep Date:	07/01/2020		

Quant Method:	J:\GC21\METHODS\070620F.M	Calibration ID:	CAL16326
Title:		Method ID:	MJ745
MB Ref:		Quant based on Method	

Surrogate Compounds

Parameter Name	RT	RT Dev	Response	Solution Conc	%Rec	%Rec Limits	Rpt?
4-Bromofluorobenzene	2.85	0.00?	33514	27.50	55	50-150	OK
o-Terphenyl	5.53	0.00?	86712	35.16	70	55-133	OK
n-Triacontane	7.69	0.00?	68989	34.13	68	54-136	OK

Target Compounds

Parameter Name	RT	RT Dev	Response	Solution Conc	Final Conc	Q	Rpt?
C9 - C24 DRO	2.80		26958				
C10 - C25 DRO	3.19 _C		20767	12.98	26.0	J	
C10 - C28 DRO	3.19 _C		31163	18.64	37.3	J	
Diesel Range Organics (DRO)	3.84		19094	14.19	28.4	J	
Residual Range Organics (RRO)	6.71		17188	18.71	37.4	J	
C25 - C44 RRO	6.90		24233				

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File : J:\GC21\DATA\070620F\0706F177.D Vial: 34
 Acq On : 07 Jul 2020 11:26 am Operator: TAP
 Sample : KWG2001876-004 MB Inst : GC21
 Misc : Multiplr: 1.00
 IntFile : rteint.p
 Quant Time: Jul 07 12:56:01 2020 Quant Results File: 070620F.RES

Quant Method : J:\GC21\METHODS\070620F.M (RTE Integrator)
 Title : 8015/NWTPH/AK SVF MJ257 CAL16158
 Last Update : Tue Jul 07 08:30:44 2020
 Response via : Initial Calibration
 DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
 Signal Phase : ZB-1
 Signal Info : 15m x 0.25mm x 1.0 um

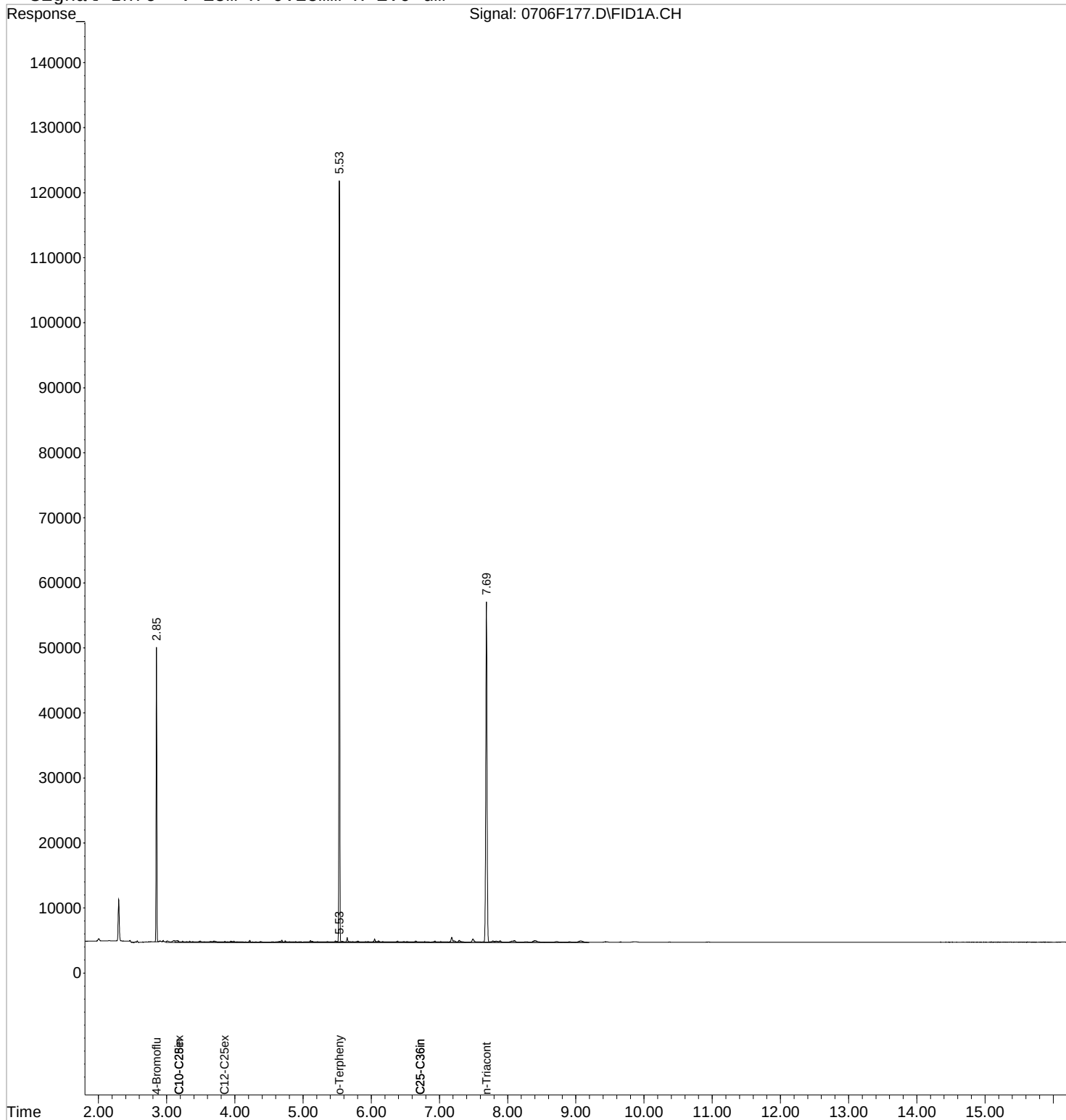
Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S 4-Bromofluorobenzene	2.85	33514	27.498 ppm
Spiked Amount 50.000	Recovery	=	55.00%
2) S o-Terphenyl	5.53	86712	35.158 ppm
Spiked Amount 50.000	Recovery	=	70.32%
3) S n-Triacontane	7.69	68989	34.129 ppm
Spiked Amount 50.000	Recovery	=	68.26%
Target Compounds			
6) H C10-C25ex DRO [AK102]	3.19	20767	12.977 ppm
7) H C10-C28in DRO [8015]	3.19	31163	18.640 ppm
8) H C12-C25ex DRO [NWTPH]	3.84	19094	14.185 ppm
10) H C25-C36in RRO [NWTPH]	6.71	17188	18.713 ppm
11) H C25-C36in RRO [AK103]	6.71	17804	20.489 ppm

Data File : J:\GC21\DATA\070620F\0706F177.D Vial: 34
Acq On : 07 Jul 2020 11:26 am Operator: TAP
Sample : KWG2001876-004 MB Inst : GC21
Misc : Multiplr: 1.00
IntFile : rteint.p
Quant Time: Jul 7 12:56 2020 Quant Results File: 070620F.RES

Quant Method : J:\GC21\METHODS\070620F.M (RTE Integrator)
Title : 8015/NWTPH/AK SVF MJ257 CAL16158
Last Update : Tue Jul 07 08:30:44 2020
Response via : Single Level Calibration
DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
Signal Phase : ZB-1
Signal Info : 15m x 0.25mm x 1.0 um



Data File : J:\GC21\DATA\070620F\0706F177.D

Acq On : 07 Jul 2020 11:26 am

Sample : KWG2001876-004 MB

Misc :

IntFile : rteint.p

Quant Time: Jul 7 12:56 2020 Quant Results File: 070620F.RES

Vial: 34

Operator: TAP

Inst : GC21

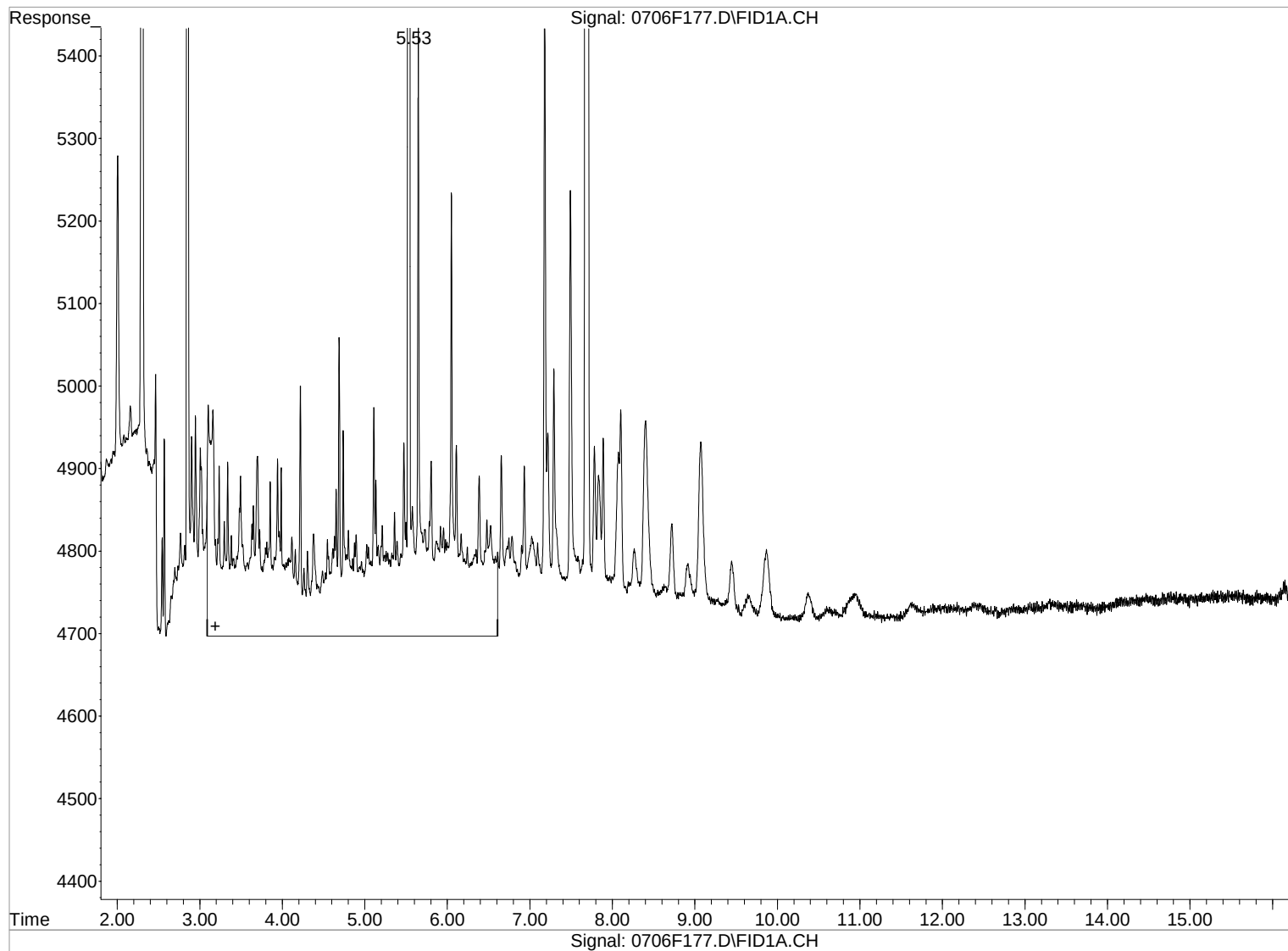
Multiplr: 1.00

Method : J:\GC21\METHODS\070620F.M (RTE Integrator)

Title : 8015/NWTPH/AK SVF MJ257 CAL16158

Last Update : Tue Jul 07 08:30:44 2020

Response via : Multiple Level Calibration



(6) C10-C25ex DRO [AK102] (H)

Manual Integration:

3.19min 15.071ppm

Before

response 24118

07/07/20

(+) = Expected Retention Time

0706F177.D 070620F.M Tue Jul 07 12:56:22 2020

Data File : J:\GC21\DATA\070620F\0706F177.D

Acq On : 07 Jul 2020 11:26 am

Sample : KWG2001876-004 MB

Misc :

IntFile : rteint.p

Quant Time: Jul 7 12:56 2020 Quant Results File: 070620F.RES

Vial: 34

Operator: TAP

Inst : GC21

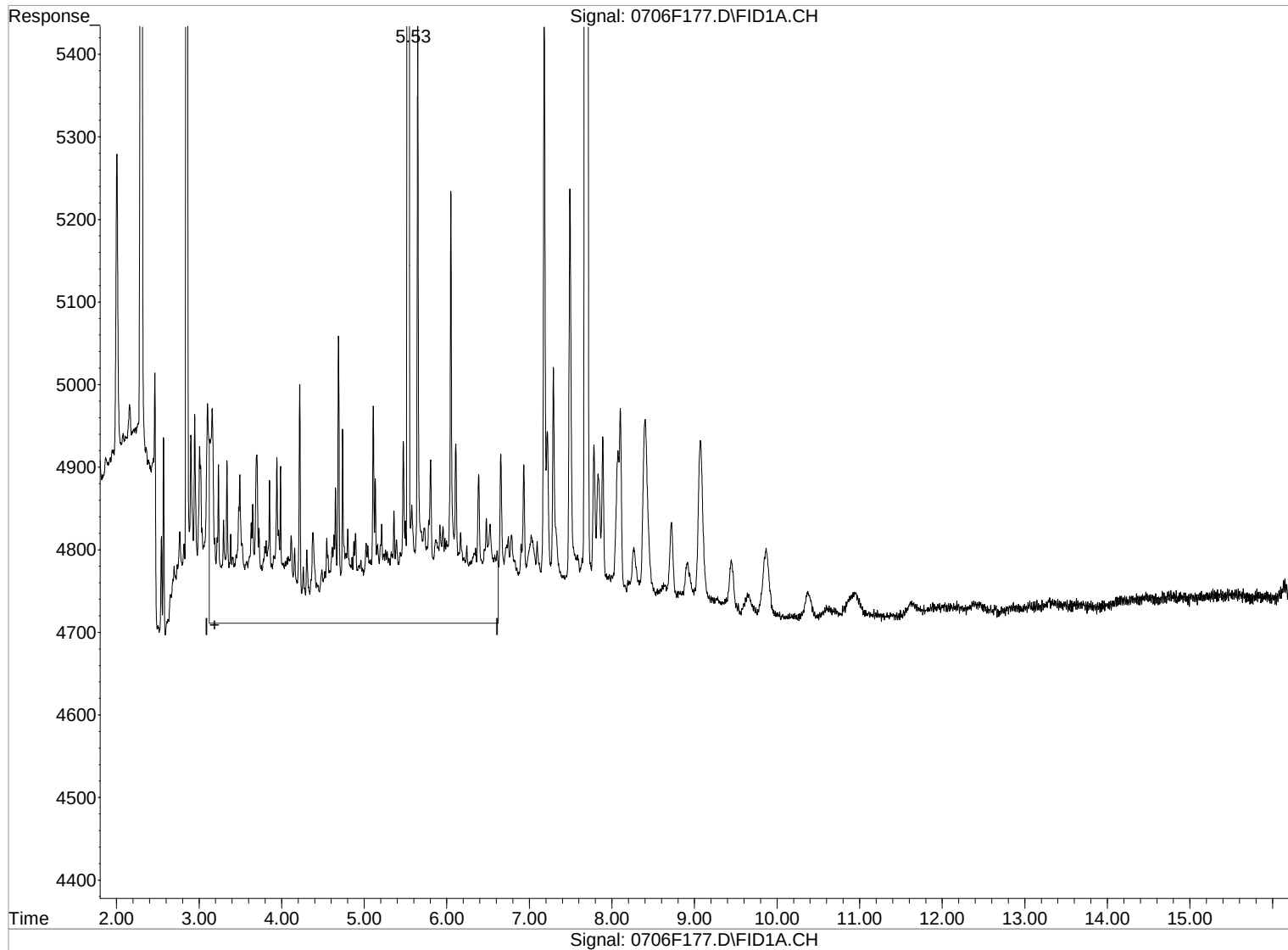
Multiplr: 1.00

Method : J:\GC21\METHODS\070620F.M (RTE Integrator)

Title : 8015/NWTPH/AK SVF MJ257 CAL16158

Last Update : Tue Jul 07 08:30:44 2020

Response via : Multiple Level Calibration



(6) C10-C25ex DRO [AK102] (H)

3.19min 12.977ppm

response 20767

Manual Integration:

After

Baseline/Shoulder

07/07/20

(+) = Expected Retention Time

0706F177.D 070620F.M

Tue Jul 07 12:56:36 2020

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Exception Report

Data File: J:\GC21\DATA\070620F JP8\0706F175.D
Lab ID: KWG2001876-2
RunType: LCS
Matrix: WATER

Date Acquired: 07/07/2020 10:41
Date Quantitated: 07/07/2020 13:01
Batch ID: KWG2001922
Analysis Method: 8015C
MethodJoinID: MJ745

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Analytical Holding Time	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA		x
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA	x	
Continuing Calibration Recovery (Closing)	NA	NA	NA	x	
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA	x	
Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
ICAL Analyte Recovery	JP-8 (C8 - C18)	0.9895	0.99	NA	narr

Primary Review: _____

Secondary Review: _____

Quantitation Report

Data File:	J:\GC21\DATA\070620F JP8\0706F175.D	Instrument:	GC21
Acqu Date:	07/07/2020 10:41	Quant Date:	07/07/2020 13:01
Run Type:	LCS	MethodJoinID:	MJ745
Lab ID:	KWG2001876-2	Vial:	32
		Dilution:	1.0
		Soln Conc. Units:	ppm

Bottle ID:		Tier:		Matrix:	WATER
Prod Code:	8015C DRO	Collect Date:		Receive Date:	07/02/2020

Analysis Lot:	KWG2001922	Prep Lot:	KWG2001876	Report Group:	
Analysis Method:	8015C	Prep Method:	EPA 3510C		
Prep Ref:	1752230	Prep Date:	07/01/2020		

Quant Method:	J:\GC21\METHODS\070620FJP8.M	Calibration ID:	CAL16324
Title:		Method ID:	MJ745
MB Ref:	J:\GC21\DATA\070620F JP8\0706F177.D	Quant based on Method	

Surrogate Compounds

Parameter Name	RT	RT Dev	Response	Solution Conc	%Rec	%Rec Limits	Rpt?
4-Bromofluorobenzene	2.85	0.00?	40559	32.67	65	50-150	OK
o-Terphenyl	5.53	0.00?	94208	38.40	77	55-133	OK
n-Triacontane	7.69	0.00?	74611	36.49	73	54-136	OK

Target Compounds

Parameter Name	RT	RT Dev	Response	Solution Conc	Final Conc	Q	Rpt?
JP-8 (C8 - C18)	2.38		2103457	1,272	2540		

Prep Amount: 500 mL **Dilution:** 1.0
Prep Final Vol: 1 ml **Unit Factor:** 1000

Final Concentration = ((Soln Conc x Prep Final Vol x Dilution) / Prep Amount) x Unit Factor

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File : J:\GC21\DATA\070620F JP8\0706F175.D Vial: 32
Acq On : 07 Jul 2020 10:41 am Operator: TAP
Sample : KWG2001876-002 LCS Inst : GC21
Misc : Multiplr: 1.00
IntFile : rteint.p
Quant Time: Jul 07 13:01:42 2020 Quant Results File: 070620FJP8.RES

Quant Method : J:\GC21\METHODS\070620FJP8.M (RTE Integrator)
Title : JP-8 by GC/FID CAL16321
Last Update : Tue Jul 07 10:49:20 2020
Response via : Initial Calibration
DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
Signal Phase : ZB-1
Signal Info : 15m x 0.25mm x 1.0 um

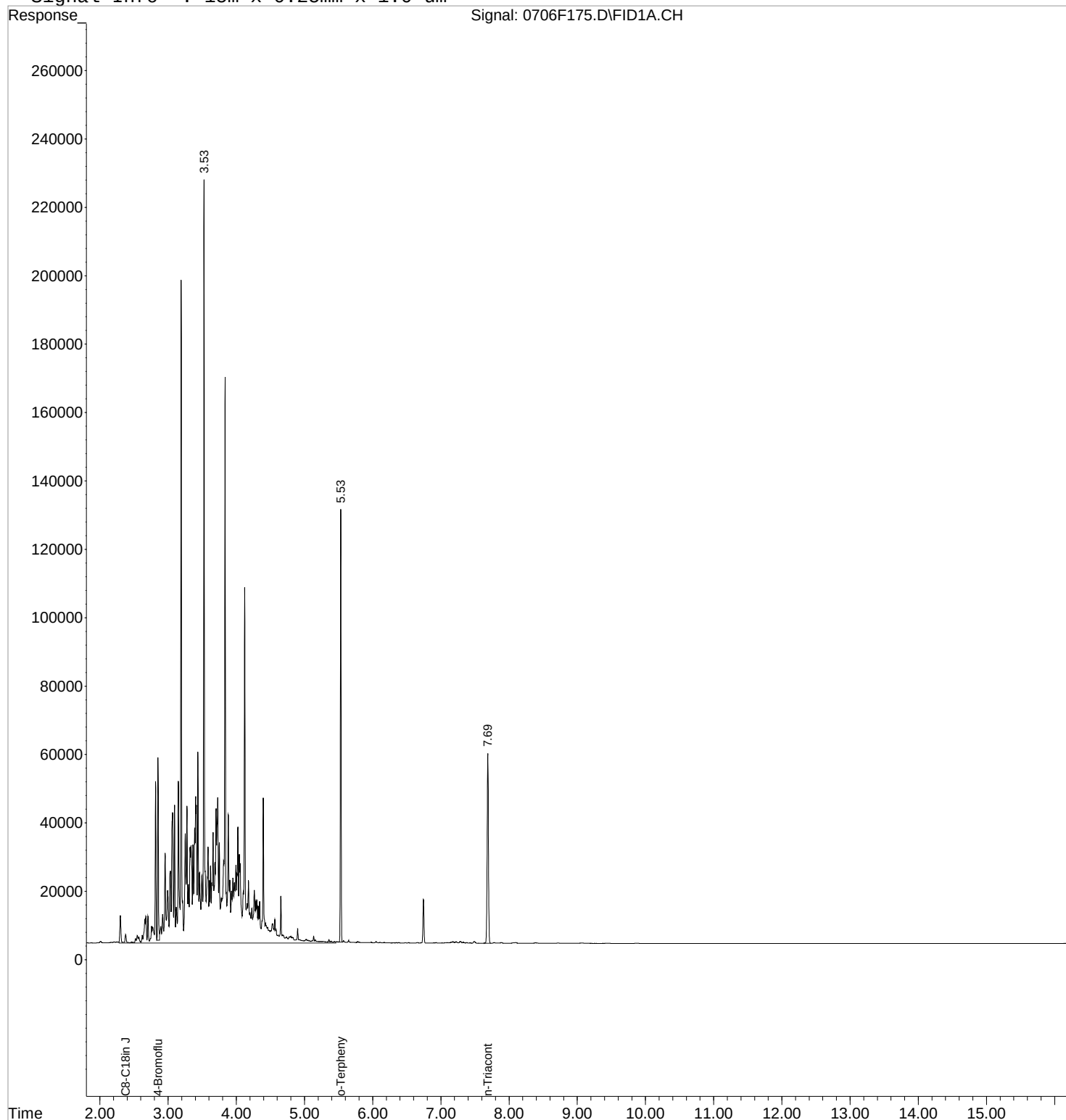
Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S 4-Bromofluorobenzene	2.85	40559	32.671 ppm
Spiked Amount 50.000	Recovery	=	65.34%
2) S o-Terphenyl	5.53	94208	38.395 ppm
Spiked Amount 50.000	Recovery	=	76.79%
3) S n-Triacontane	7.69	74611	36.492 ppm
Spiked Amount 50.000	Recovery	=	72.98%
Target Compounds			
4) H C8-C18in JP-8	2.38	2103457	1271.984 ppm

Data File : J:\GC21\DATA\070620F JP8\0706F175.D Vial: 32
Acq On : 07 Jul 2020 10:41 am Operator: TAP
Sample : KWG2001876-002 LCS Inst : GC21
Misc : Multiplr: 1.00
IntFile : rteint.p
Quant Time: Jul 7 13:01 2020 Quant Results File: 070620FJP8.RES

Quant Method : J:\GC21\METHODS\070620FJP8.M (RTE Integrator)
Title : JP-8 by GC/FID CAL16321
Last Update : Tue Jul 07 10:49:20 2020
Response via : Single Level Calibration
DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
Signal Phase : ZB-1
Signal Info : 15m x 0.25mm x 1.0 um



Exception Report

Data File: J:\GC21\DATA\070620F JP8\0706F176.D
Lab ID: KWG2001876-3
RunType: DLCS
Matrix: WATER

Date Acquired: 07/07/2020 11:03
Date Quantitated: 07/07/2020 13:02
Batch ID: KWG2001922
Analysis Method: 8015C
MethodJoinID: MJ745

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Analytical Holding Time	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA		x
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA	x	
Continuing Calibration Recovery (Closing)	NA	NA	NA	x	
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA	x	
Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
ICAL Analyte Recovery	JP-8 (C8 - C18)	0.9895	0.99	NA	narr

Primary Review: _____

Secondary Review: _____

Quantitation Report

Data File:	J:\GC21\DATA\070620F JP8\0706F176.D	Instrument:	GC21
Acqu Date:	07/07/2020 11:03	Quant Date:	07/07/2020 13:02
Run Type:	DLCS	MethodJoinID:	MJ745
Lab ID:	KWG2001876-3	Vial:	33
		Dilution:	1.0
		Soln Conc. Units:	ppm

Bottle ID:		Tier:		Matrix:	WATER
Prod Code:	8015C DRO	Collect Date:		Receive Date:	07/02/2020

Analysis Lot:	KWG2001922	Prep Lot:	KWG2001876	Report Group:	
Analysis Method:	8015C	Prep Method:	EPA 3510C		
Prep Ref:	1752231	Prep Date:	07/01/2020		

Quant Method:	J:\GC21\METHODS\070620FJP8.M	Calibration ID:	CAL16324
Title:		Method ID:	MJ745
MB Ref:	J:\GC21\DATA\070620F JP8\0706F177.D	Quant based on Method	

Surrogate Compounds

Parameter Name	RT	RT Dev	Response	Solution Conc	%Rec	%Rec Limits	Rpt?
4-Bromofluorobenzene	2.85	0.00?	38870	31.31	63	50-150	OK
o-Terphenyl	5.53	0.00?	92733	37.79	76	55-133	OK
n-Triacontane	7.69	0.00?	72729	35.57	71	54-136	OK

Target Compounds

Parameter Name	RT	RT Dev	Response	Solution Conc	Final Conc	Q	Rpt?
JP-8 (C8 - C18)	2.38		2002478	1,210	2420		

Prep Amount: 500 mL **Dilution:** 1.0
Prep Final Vol: 1 ml **Unit Factor:** 1000

Final Concentration = ((Soln Conc x Prep Final Vol x Dilution) / Prep Amount) x Unit Factor

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File : J:\GC21\DATA\070620F JP8\0706F176.D Vial: 33
 Acq On : 07 Jul 2020 11:03 am Operator: TAP
 Sample : KWG2001876-003 DLCS Inst : GC21
 Misc : Multiplr: 1.00
 IntFile : rteint.p
 Quant Time: Jul 07 13:02:01 2020 Quant Results File: 070620FJP8.RES

Quant Method : J:\GC21\METHODS\070620FJP8.M (RTE Integrator)
 Title : JP-8 by GC/FID CAL16321
 Last Update : Tue Jul 07 10:49:20 2020
 Response via : Initial Calibration
 DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
 Signal Phase : ZB-1
 Signal Info : 15m x 0.25mm x 1.0 um

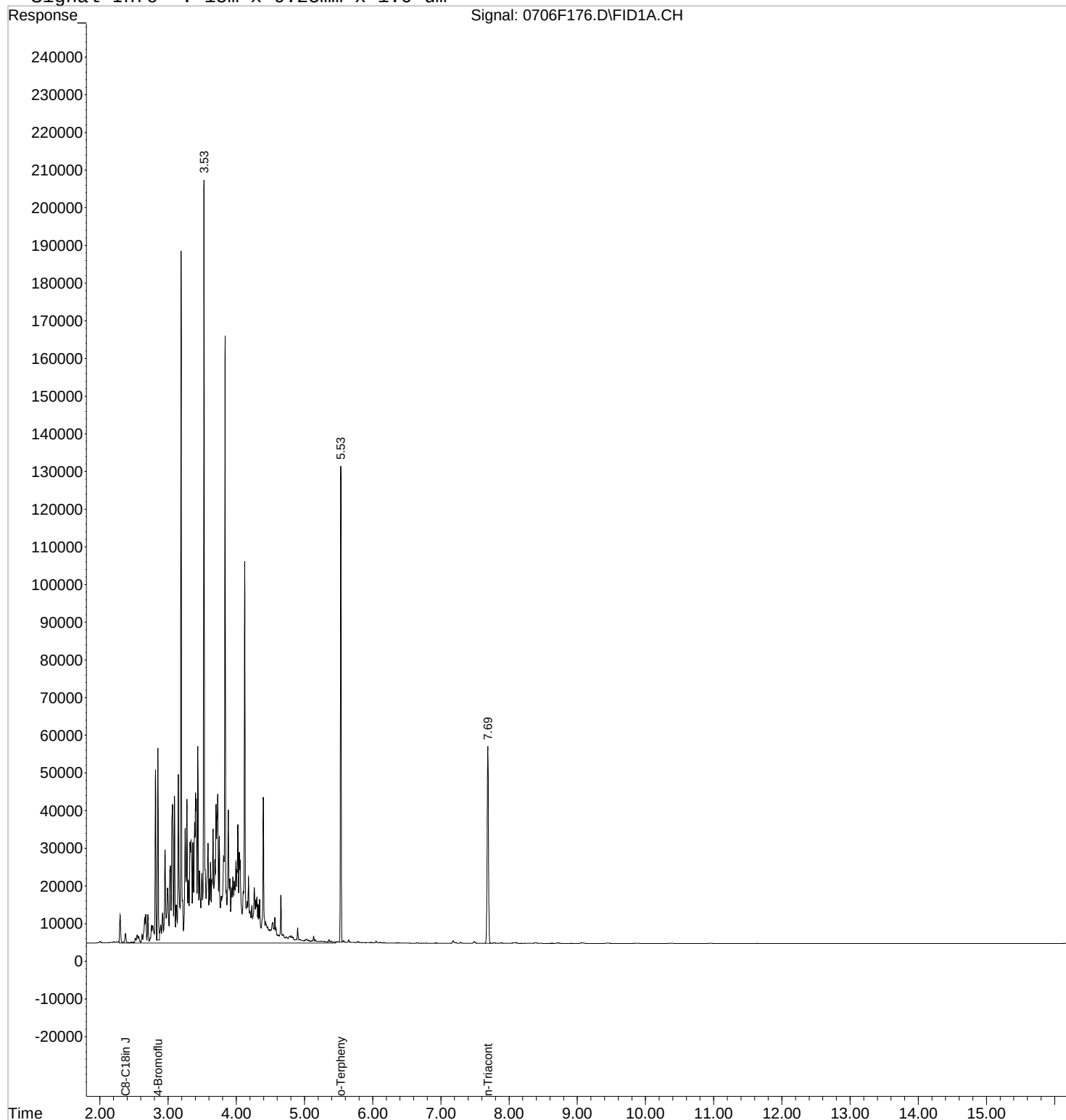
Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S 4-Bromofluorobenzene	2.85	38870	31.310 ppm
Spiked Amount 50.000	Recovery	=	62.62%
2) S o-Terphenyl	5.53	92733	37.794 ppm
Spiked Amount 50.000	Recovery	=	75.59%
3) S n-Triacontane	7.69	72729	35.572 ppm
Spiked Amount 50.000	Recovery	=	71.14%
Target Compounds			
4) H C8-C18in JP-8	2.38	2002478	1210.239 ppm

Data File : J:\GC21\DATA\070620F JP8\0706F176.D Vial: 33
Acq On : 07 Jul 2020 11:03 am Operator: TAP
Sample : KWG2001876-003 DLCS Inst : GC21
Misc : Multiplr: 1.00
IntFile : rteint.p
Quant Time: Jul 7 13:02 2020 Quant Results File: 070620FJP8.RES

Quant Method : J:\GC21\METHODS\070620FJP8.M (RTE Integrator)
Title : JP-8 by GC/FID CAL16321
Last Update : Tue Jul 07 10:49:20 2020
Response via : Single Level Calibration
DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
Signal Phase : ZB-1
Signal Info : 15m x 0.25mm x 1.0 um



Exception Report

Data File: J:\GC21\DATA\070620F\0706F173.D
Lab ID: KWG2001921-1
RunType: CCV
Matrix: NOT APPLICABLE

Date Acquired: 07/07/2020 09:56
Date Quantitated: 07/07/2020 12:53
Batch ID: KWG2001921
Analysis Method: 8015C
MethodJoinID: MJ745

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
ICAL Analyte Recovery	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA		x
Below Lowest ICAL Level	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	

Primary Review: _____

Secondary Review: _____

Quantitation Report

Data File:	J:\GC21\DATA\070620F\0706F173.D	Instrument:	GC21
Acqu Date:	07/07/2020 09:56	Quant Date:	07/07/2020 12:53
Run Type:	CCV	MethodJoinID:	MJ745
Lab ID:	KWG2001921-1	Vial:	96
		Dilution:	1.0
		Soln Conc. Units:	ppm

Bottle ID:		Tier:		Matrix:	NOT APPLICABLE
Prod Code:	8015C DRO	Collect Date:		Receive Date:	07/07/2020

Analysis Lot:	KWG2001921	Prep Lot:		Report Group:	
Analysis Method:	8015C	Prep Method:			
Prep Ref:		Prep Date:			

Quant Method:	J:\GC21\METHODS\070620F.M	Calibration ID:	CAL16326
Title:		Method ID:	MJ745
MB Ref:		Quant based on Method	

Surrogate Compounds

Parameter Name	RT	RT Dev	Response	Solution Conc	%Rec	%Rec Limits	Rpt?
4-Bromofluorobenzene	2.85	?	52519	43.09		50-150 NA	
o-Terphenyl	5.53	?	108286	43.91		55-133 NA	
n-Triacontane	7.69	?	88542	43.80		54-136 NA	

Target Compounds

			Final Conc. Units:		ug/L		
Parameter Name	RT	RT Dev	Response	Solution Conc	Final Conc	Q	Rpt?
C9 - C24 DRO	2.80		1440677				
C10 - C25 DRO	3.19 _C		1406592	878.98			
C10 - C28 DRO	3.19 _C		1439091	860.77			
Diesel Range Organics (DRO)	3.84		1230333	914.00			
Residual Range Organics (RRO)	6.71		20788	22.63			
C25 - C44 RRO	6.90		28297				

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File : J:\GC21\DATA\070620F\0706F173.D Vial: 96
 Acq On : 07 Jul 2020 9:56 am Operator: TAP
 Sample : DR0@1000/50 SVF02-91B Inst : GC21
 Misc : Multiplr: 1.00
 IntFile : rteint.p
 Quant Time: Jul 07 12:53:15 2020 Quant Results File: 070620F.RES

Quant Method : J:\GC21\METHODS\070620F.M (RTE Integrator)
 Title : 8015/NWTPH/AK SVF MJ257 CAL16158
 Last Update : Tue Jul 07 08:30:44 2020
 Response via : Initial Calibration
 DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
 Signal Phase : ZB-1
 Signal Info : 15m x 0.25mm x 1.0 um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S 4-Bromofluorobenzene	2.85	52519	43.092 ppm
Spiked Amount 50.000	Recovery	=	86.18%
2) S o-Terphenyl	5.53	108286	43.905 ppm
Spiked Amount 50.000	Recovery	=	87.81%
3) S n-Triacontane	7.69	88542	43.802 ppm
Spiked Amount 50.000	Recovery	=	87.60%
Target Compounds			
6) H C10-C25ex DR0 [AK102]	3.19	1406592	878.978 ppm
7) H C10-C28in DR0 [8015]	3.19	1439091	860.767 ppm
8) H C12-C25ex DR0 [NWTPH]	3.84	1230333	914.003 ppm
10) H C25-C36in RRO [NWTPH]	6.71	20788	22.632 ppm
11) H C25-C36in RRO [AK103]	6.71	28285	32.550 ppm

Data File : J:\GC21\DATA\070620F\0706F173.D

Vial: 96

Acq On : 07 Jul 2020 9:56 am

Operator: TAP

Sample : DR0@1000/50 SVF02-91B

Inst : GC21

Misc :

Multiplr: 1.00

IntFile : rteint.p

Quant Time: Jul 7 12:53 2020 Quant Results File: 070620F.RES

Quant Method : J:\GC21\METHODS\070620F.M (RTE Integrator)

Title : 8015/NWTPH/AK SVF MJ257 CAL16158

Last Update : Tue Jul 07 08:30:44 2020

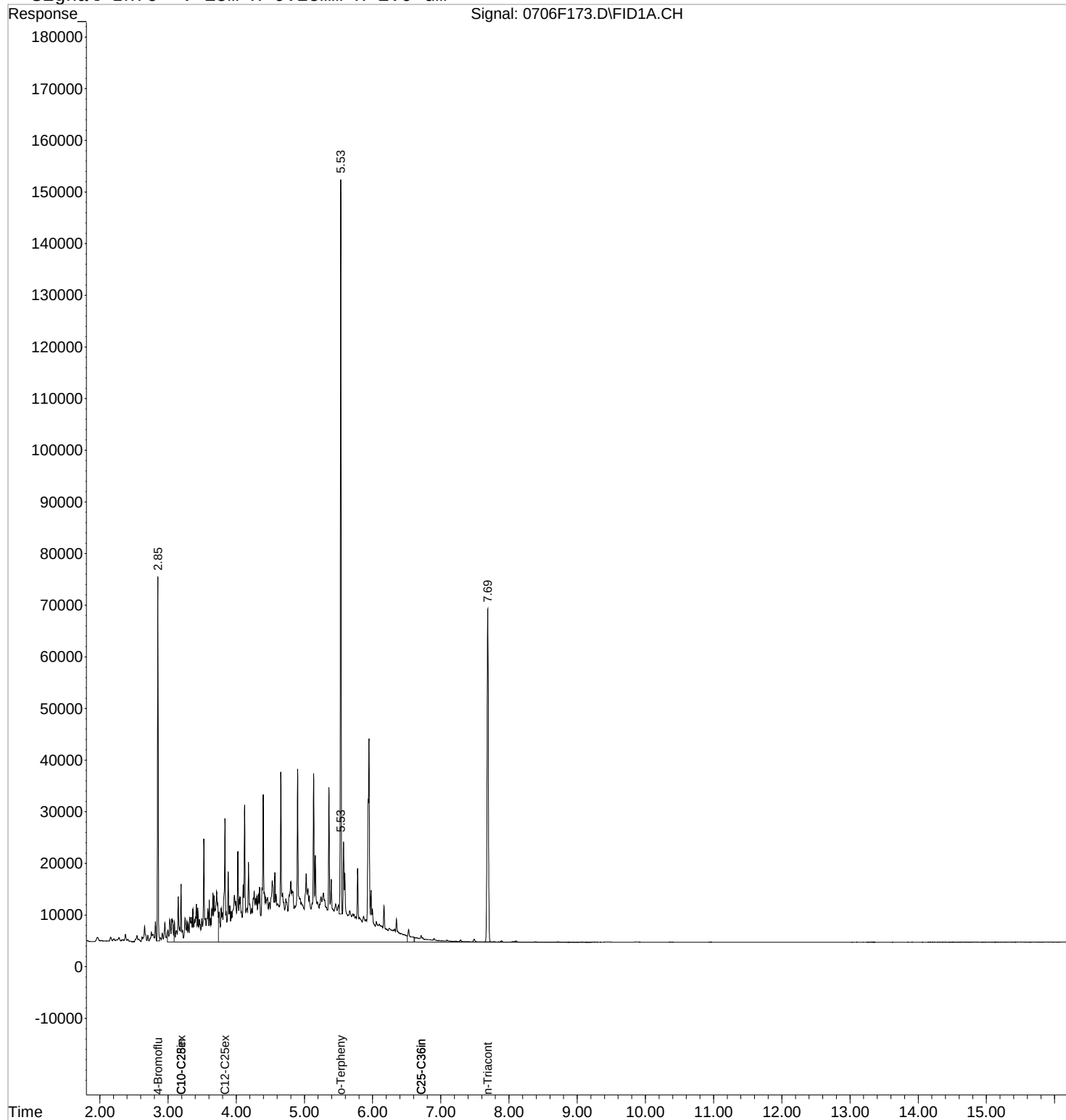
Response via : Single Level Calibration

DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL

Signal Phase : ZB-1

Signal Info : 15m x 0.25mm x 1.0 um



Exception Report

Data File: J:\GC21\DATA\070620F\0706F182.D
Lab ID: KWG2001921-2
RunType: CCV
Matrix: NOT APPLICABLE

Date Acquired: 07/07/2020 13:19
Date Quantitated: 07/07/2020 13:44
Batch ID: KWG2001921
Analysis Method: 8015C
MethodJoinID: MJ745

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
ICAL Analyte Recovery	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA		x
Below Lowest ICAL Level	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	

Primary Review: _____

Secondary Review: _____

Quantitation Report

Data File:	J:\GC21\DATA\070620F\0706F182.D	Instrument:	GC21
Acqu Date:	07/07/2020 13:19	Quant Date:	07/07/2020 13:44
Run Type:	CCV	MethodJoinID:	MJ745
Lab ID:	KWG2001921-2	Vial:	96
		Dilution:	1.0
		Soln Conc. Units:	ppm

Bottle ID:		Tier:		Matrix:	NOT APPLICABLE
Prod Code:	8015C DRO	Collect Date:		Receive Date:	07/07/2020

Analysis Lot:	KWG2001921	Prep Lot:		Report Group:	
Analysis Method:	8015C	Prep Method:			
Prep Ref:		Prep Date:			

Quant Method:	J:\GC21\METHODS\070620F.M	Calibration ID:	CAL16326
Title:		Method ID:	MJ745
MB Ref:		Quant based on Method	

Surrogate Compounds

Parameter Name	RT	RT Dev	Response	Solution Conc	%Rec	%Rec Limits	Rpt?
4-Bromofluorobenzene	2.85	?	52534	43.10		50-150 NA	
o-Terphenyl	5.53	?	108781	44.11		55-133 NA	
n-Triacontane	7.69	?	88466	43.76		54-136 NA	

Target Compounds

			Final Conc. Units:		ug/L		
Parameter Name	RT	RT Dev	Response	Solution Conc	Final Conc	Q	Rpt?
C9 - C24 DRO	2.80		1445798				
C10 - C25 DRO	3.19 _C		1411542	882.07			
C10 - C28 DRO	3.19 _C		1444012	863.71			
Diesel Range Organics (DRO)	3.84		1235110	917.55			
Residual Range Organics (RRO)	6.71		20897	22.75			
C25 - C44 RRO	6.90		29580				

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File : J:\GC21\DATA\070620F\0706F182.D Vial: 96
 Acq On : 07 Jul 2020 1:19 pm Operator: TAP
 Sample : DR0@1000/50 SVF02-91B Inst : GC21
 Misc : Multiplr: 1.00
 IntFile : rteint.p
 Quant Time: Jul 07 13:44:25 2020 Quant Results File: 070620F.RES

Quant Method : J:\GC21\METHODS\070620F.M (RTE Integrator)
 Title : 8015/NWTPH/AK SVF MJ257 CAL16158
 Last Update : Tue Jul 07 08:30:44 2020
 Response via : Initial Calibration
 DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
 Signal Phase : ZB-1
 Signal Info : 15m x 0.25mm x 1.0 um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S 4-Bromofluorobenzene	2.85	52534	43.104 ppm
Spiked Amount 50.000	Recovery	=	86.21%
2) S o-Terphenyl	5.53	108781	44.106 ppm
Spiked Amount 50.000	Recovery	=	88.21%
3) S n-Triacontane	7.69	88466	43.764 ppm
Spiked Amount 50.000	Recovery	=	87.53%
Target Compounds			
6) H C10-C25ex DR0 [AK102]	3.19	1411542	882.071 ppm
7) H C10-C28in DR0 [8015]	3.19	1444012	863.710 ppm
8) H C12-C25ex DR0 [NWTPH]	3.84	1235110	917.552 ppm
10) H C25-C36in RRO [NWTPH]	6.71	20897	22.751 ppm
11) H C25-C36in RRO [AK103]	6.71	28469	32.762 ppm

Data File : J:\GC21\DATA\070620F\0706F182.D

Vial: 96

Acq On : 07 Jul 2020 1:19 pm

Operator: TAP

Sample : DR0@1000/50 SVF02-91B

Inst : GC21

Misc :

Multiplr: 1.00

IntFile : rteint.p

Quant Time: Jul 7 13:44 2020 Quant Results File: 070620F.RES

Quant Method : J:\GC21\METHODS\070620F.M (RTE Integrator)

Title : 8015/NWTPH/AK SVF MJ257 CAL16158

Last Update : Tue Jul 07 08:30:44 2020

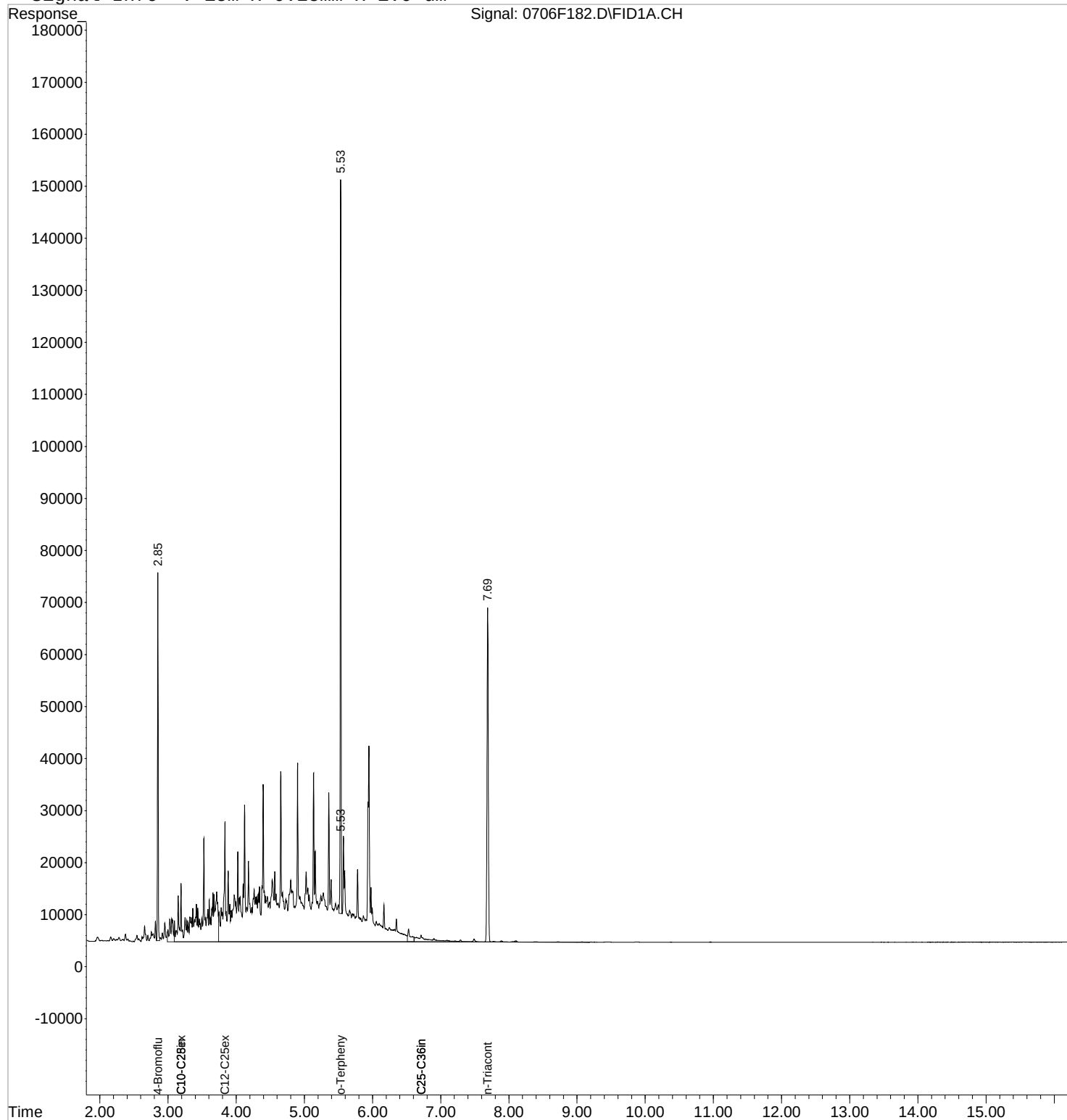
Response via : Single Level Calibration

DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL

Signal Phase : ZB-1

Signal Info : 15m x 0.25mm x 1.0 um



Exception Report

Data File: J:\GC21\DATA\070620F JP8\0706F172.D
Lab ID: KWG2001922-1
RunType: CCV
Matrix: NOT APPLICABLE

Date Acquired: 07/07/2020 09:33
Date Quantitated: 07/07/2020 12:59
Batch ID: KWG2001922
Analysis Method: 8015C
MethodJoinID: MJ745

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
ICAL Analyte Recovery	NA	NA	NA		x
Second Source ICAL Verification	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
ICAL Analyte Recovery	JP-8 (C8 - C18)	0.9895	0.99	NA	narr

Primary Review: _____

Secondary Review: _____

Quantitation Report

Data File:	J:\GC21\DATA\070620F JP8\0706F172.D	Instrument:	GC21
Acqu Date:	07/07/2020 09:33	Quant Date:	07/07/2020 12:59
Run Type:	CCV	MethodJoinID:	MJ745
Lab ID:	KWG2001922-1	Dilution:	1.0
		Soln Conc. Units:	ppm

Bottle ID:		Tier:		Matrix:	NOT APPLICABLE
Prod Code:	8015C DRO	Collect Date:		Receive Date:	07/07/2020

Analysis Lot:	KWG2001922	Prep Lot:		Report Group:	
Analysis Method:	8015C	Prep Method:			
Prep Ref:		Prep Date:			

Quant Method:	J:\GC21\METHODS\070620FJP8.M	Calibration ID:	CAL16324
Title:		Method ID:	MJ745
MB Ref:		Quant based on Method	

Surrogate Compounds

Parameter Name	RT	RT Dev	Response	Solution Conc	%Rec	%Rec Limits	Rpt?
4-Bromofluorobenzene	2.85	?	52839	42.56		50-150 NA	
o-Terphenyl	5.53	?	102020	41.58		55-133 NA	
n-Triacontane	7.69	?	85071	41.61		54-136 NA	

Target Compounds

Parameter Name	RT	RT Dev	Response	Solution Conc	Final Conc	Q	Rpt?
JP-8 (C8 - C18)	2.38		1570879	946.33			

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File : J:\GC21\DATA\070620F JP8\0706F172.D Vial: 95
 Acq On : 07 Jul 2020 9:33 am Operator: TAP
 Sample : JP8@1000/50 SVF02-88K Inst : GC21
 Misc : Multiplr: 1.00
 IntFile : rteint.p
 Quant Time: Jul 07 12:59:10 2020 Quant Results File: 070620FJP8.RES

Quant Method : J:\GC21\METHODS\070620FJP8.M (RTE Integrator)
 Title : JP-8 by GC/FID CAL16321
 Last Update : Tue Jul 07 10:49:20 2020
 Response via : Initial Calibration
 DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
 Signal Phase : ZB-1
 Signal Info : 15m x 0.25mm x 1.0 um

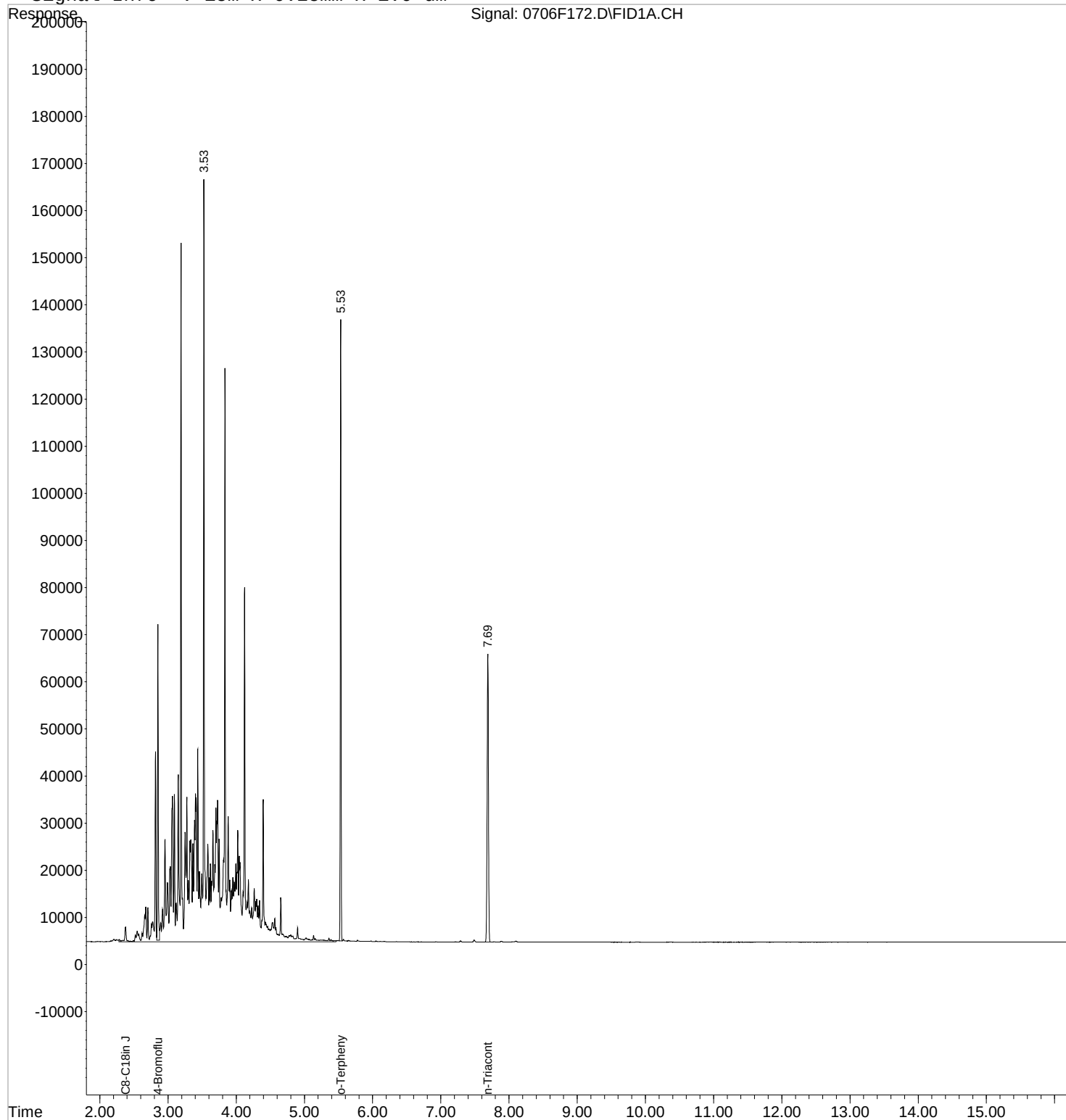
Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S 4-Bromofluorobenzene	2.85	52839	42.563 ppm
Spiked Amount 50.000	Recovery	=	85.13%
2) S o-Terphenyl	5.53	102020	41.579 ppm
Spiked Amount 50.000	Recovery	=	83.16%
3) S n-Triacontane	7.69	85071	41.608 ppm
Spiked Amount 50.000	Recovery	=	83.22%
Target Compounds			
4) H C8-C18in JP-8	2.38	1570879	946.330 ppm

Data File : J:\GC21\DATA\070620F JP8\0706F172.D Vial: 95
Acq On : 07 Jul 2020 9:33 am Operator: TAP
Sample : JP8@1000/50 SVF02-88K Inst : GC21
Misc : Multiplr: 1.00
IntFile : rteint.p
Quant Time: Jul 7 12:59 2020 Quant Results File: 070620FJP8.RES

Quant Method : J:\GC21\METHODS\070620FJP8.M (RTE Integrator)
Title : JP-8 by GC/FID CAL16321
Last Update : Tue Jul 07 10:49:20 2020
Response via : Single Level Calibration
DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
Signal Phase : ZB-1
Signal Info : 15m x 0.25mm x 1.0 um



Exception Report

Data File: J:\GC21\DATA\070620F JP8\0706F181.D
Lab ID: KWG2001922-2
RunType: CCV
Matrix: NOT APPLICABLE

Date Acquired: 07/07/2020 12:56
Date Quantitated: 07/07/2020 13:36
Batch ID: KWG2001922
Analysis Method: 8015C
MethodJoinID: MJ745

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
ICAL Analyte Recovery	NA	NA	NA		x
Second Source ICAL Verification	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
ICAL Analyte Recovery	JP-8 (C8 - C18)	0.9895	0.99	NA	narr

Primary Review: _____

Secondary Review: _____

Quantitation Report

Data File:	J:\GC21\DATA\070620F JP8\0706F181.D	Instrument:	GC21
Acqu Date:	07/07/2020 12:56	Quant Date:	07/07/2020 13:36
Run Type:	CCV	MethodJoinID:	MJ745
Lab ID:	KWG2001922-2	Dilution:	1.0
		Soln Conc. Units:	ppm

Bottle ID:		Tier:		Matrix:	NOT APPLICABLE
Prod Code:	8015C DRO	Collect Date:		Receive Date:	07/07/2020

Analysis Lot:	KWG2001922	Prep Lot:		Report Group:	
Analysis Method:	8015C	Prep Method:			
Prep Ref:		Prep Date:			

Quant Method:	J:\GC21\METHODS\070620FJP8.M	Calibration ID:	CAL16324
Title:		Method ID:	MJ745
MB Ref:		Quant based on Method	

Surrogate Compounds

Parameter Name	RT	RT Dev	Response	Solution Conc	%Rec	%Rec Limits	Rpt?
4-Bromofluorobenzene	2.85	?	51790	41.72		50-150 NA	
o-Terphenyl	5.53	?	101349	41.31		55-133 NA	
n-Triacontane	7.69	?	84866	41.51		54-136 NA	

Target Compounds

Parameter Name	RT	RT Dev	Response	Solution Conc	Final Conc	Q	Rpt?
JP-8 (C8 - C18)	2.38		1570192	945.91			

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File : J:\GC21\DATA\070620F JP8\0706F181.D Vial: 95
 Acq On : 07 Jul 2020 12:56 pm Operator: TAP
 Sample : JP8@1000/50 SVF02-88K Inst : GC21
 Misc : Multiplr: 1.00
 IntFile : rteint.p
 Quant Time: Jul 07 13:36:25 2020 Quant Results File: 070620FJP8.RES

Quant Method : J:\GC21\METHODS\070620FJP8.M (RTE Integrator)
 Title : JP-8 by GC/FID CAL16321
 Last Update : Tue Jul 07 10:49:20 2020
 Response via : Initial Calibration
 DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
 Signal Phase : ZB-1
 Signal Info : 15m x 0.25mm x 1.0 um

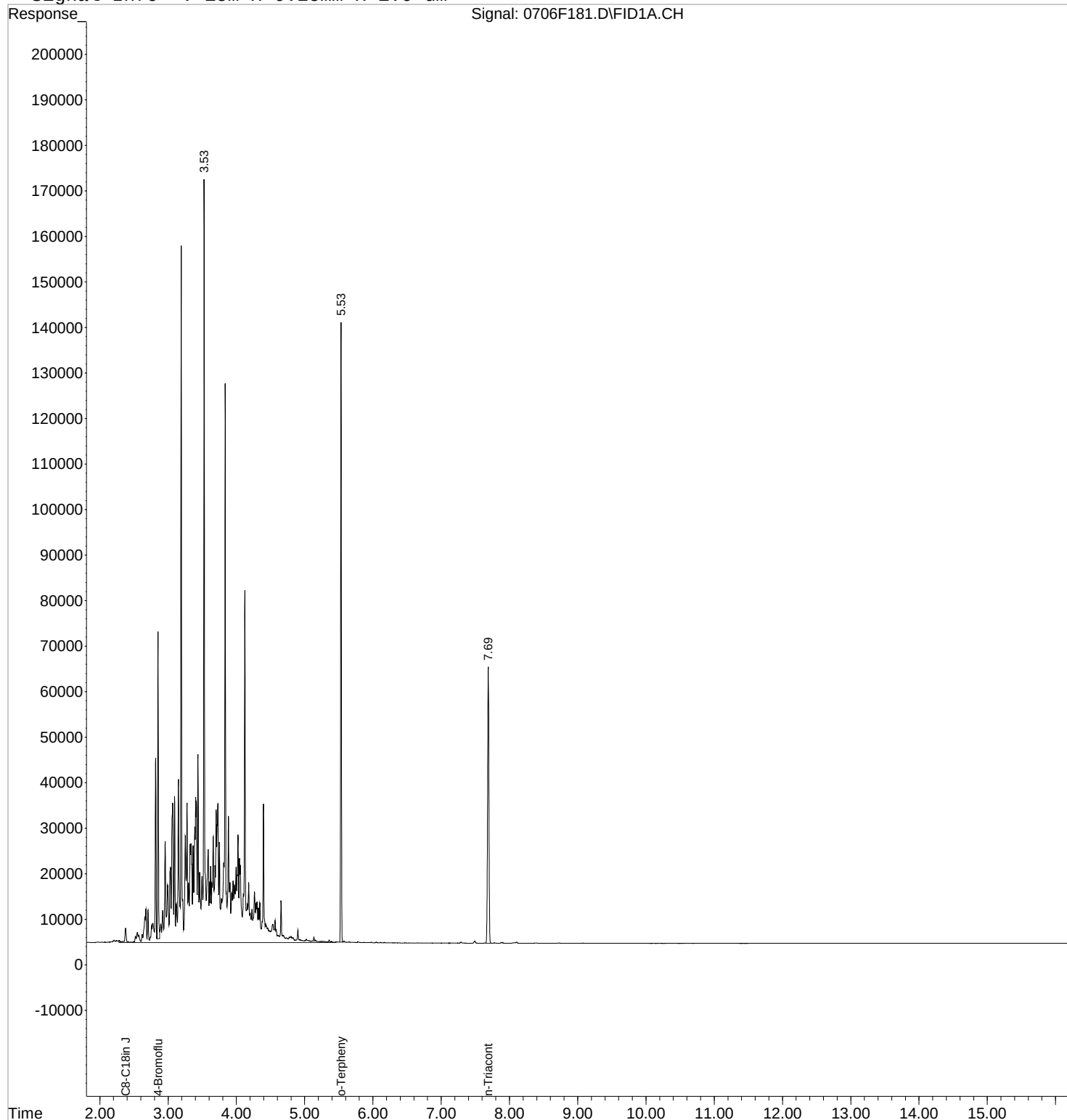
Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S 4-Bromofluorobenzene	2.85	51790	41.718 ppm
Spiked Amount 50.000	Recovery	=	83.44%
2) S o-Terphenyl	5.53	101349	41.306 ppm
Spiked Amount 50.000	Recovery	=	82.61%
3) S n-Triacontane	7.69	84866	41.508 ppm
Spiked Amount 50.000	Recovery	=	83.02%
Target Compounds			
4) H C8-C18in JP-8	2.38	1570192	945.910 ppm

Data File : J:\GC21\DATA\070620F JP8\0706F181.D Vial: 95
Acq On : 07 Jul 2020 12:56 pm Operator: TAP
Sample : JP8@1000/50 SVF02-88K Inst : GC21
Misc : Multiplr: 1.00
IntFile : rteint.p
Quant Time: Jul 7 13:36 2020 Quant Results File: 070620FJP8.RES

Quant Method : J:\GC21\METHODS\070620FJP8.M (RTE Integrator)
Title : JP-8 by GC/FID CAL16321
Last Update : Tue Jul 07 10:49:20 2020
Response via : Single Level Calibration
DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
Signal Phase : ZB-1
Signal Info : 15m x 0.25mm x 1.0 um



Exception Report

Data File: J:\GC21\DATA\070620F\0706F174.D
Lab ID: KWG2001921-3
RunType: IB
Matrix: NOT APPLICABLE

Date Acquired: 07/07/2020 10:18
Date Quantitated: 07/07/2020 12:54
Batch ID: KWG2001921
Analysis Method: 8015C
MethodJoinID: MJ745

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
ICAL Analyte Recovery	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA		x
Below Lowest ICAL Level	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	

Primary Review: _____

Secondary Review: _____

Quantitation Report

Data File:	J:\GC21\DATA\070620F\0706F174.D	Instrument:	GC21
Acqu Date:	07/07/2020 10:18	Quant Date:	07/07/2020 12:54
Run Type:	IB	MethodJoinID:	MJ745
Lab ID:	KWG2001921-3	Vial:	86
		Dilution:	1.0
		Soln Conc. Units:	ppm

Bottle ID:		Tier:		Matrix:	NOT APPLICABLE
Prod Code:	8015C DRO	Collect Date:		Receive Date:	07/07/2020

Analysis Lot:	KWG2001921	Prep Lot:		Report Group:	
Analysis Method:	8015C	Prep Method:			
Prep Ref:		Prep Date:			

Quant Method:	J:\GC21\METHODS\070620F.M	Calibration ID:	CAL16326
Title:		Method ID:	MJ745
MB Ref:		Quant based on Method	

Surrogate Compounds

Parameter Name	RT	RT Dev	Response	Solution Conc	%Rec	%Rec Limits	Rpt?
4-Bromofluorobenzene			0			50-150 NA	
o-Terphenyl			0			55-133 NA	
n-Triacontane			0			54-136 NA	

Target Compounds

Parameter Name	RT	RT Dev	Response	Solution Conc	Final Conc	Q	Rpt?
C9 - C24 DRO	2.80		23273				
C10 - C25 DRO	3.19 _C		16362	10.23	< MRL		
C10 - C28 DRO	3.19 _C		25377	15.18			
Diesel Range Organics (DRO)	3.84		16890	12.55			
Residual Range Organics (RRO)	6.71		11827	12.88			
C25 - C44 RRO	6.90		21536				

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File : J:\GC21\DATA\070620F\0706F174.D Vial: 86
Acq On : 07 Jul 2020 10:18 am Operator: TAP
Sample : IB Inst : GC21
Misc : Multiplr: 1.00
IntFile : rteint.p
Quant Time: Jul 07 12:53:37 2020 Quant Results File: 070620F.RES

Quant Method : J:\GC21\METHODS\070620F.M (RTE Integrator)
Title : 8015/NWTPH/AK SVF MJ257 CAL16158
Last Update : Tue Jul 07 08:30:44 2020
Response via : Initial Calibration
DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
Signal Phase : ZB-1
Signal Info : 15m x 0.25mm x 1.0 um

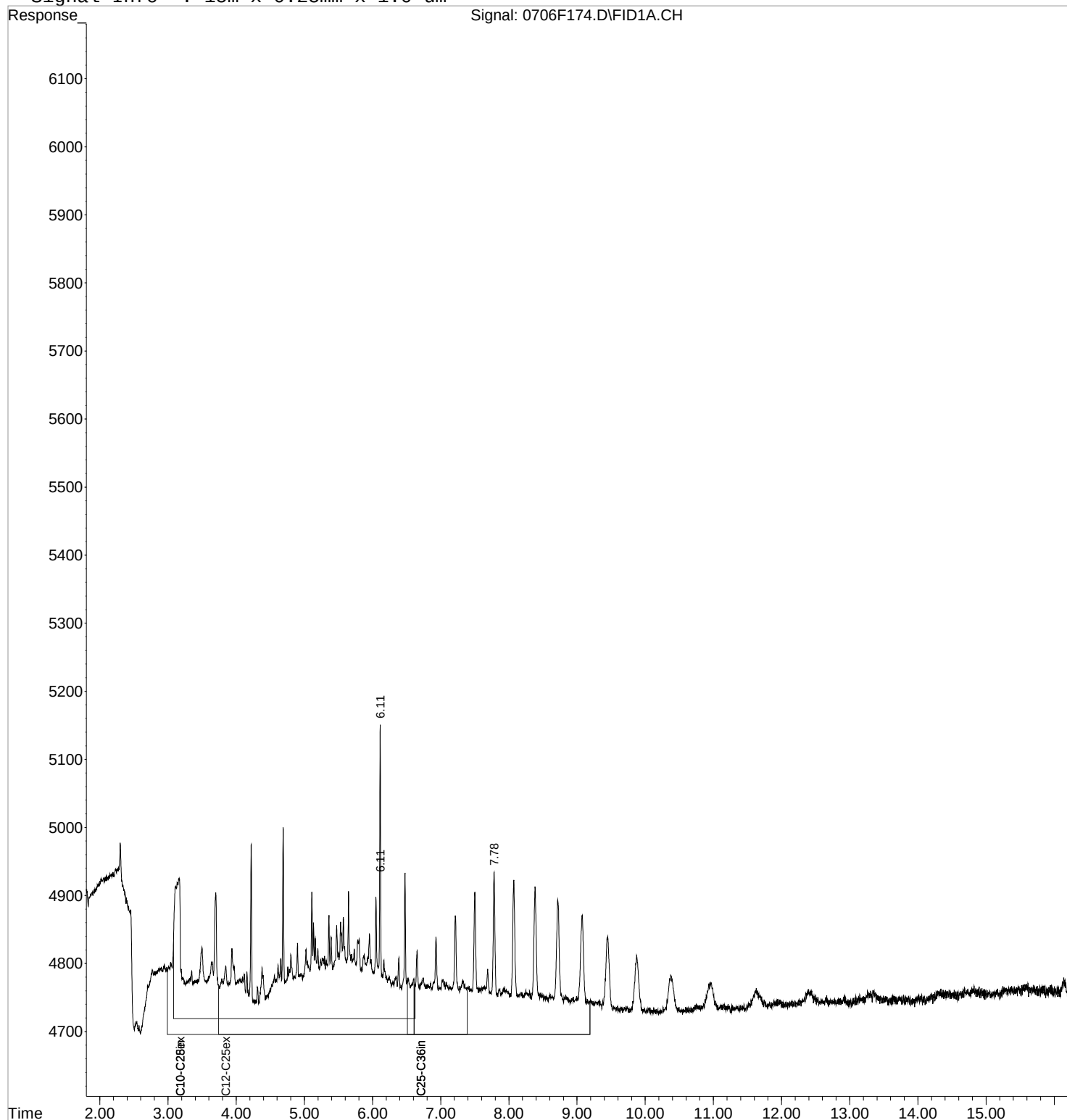
Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
Target Compounds			
6) H C10-C25ex DRO [AK102]	3.19	16362	10.225 ppm
7) H C10-C28in DRO [8015]	3.19	25377	15.179 ppm
8) H C12-C25ex DRO [NWTPH]	3.84	16890	12.547 ppm
10) H C25-C36in RRO [NWTPH]	6.71	11827	12.876 ppm
11) H C25-C36in RRO [AK103]	6.71	12278	14.130 ppm

Data File : J:\GC21\DATA\070620F\0706F174.D Vial: 86
Acq On : 07 Jul 2020 10:18 am Operator: TAP
Sample : IB Inst : GC21
Misc : Multiplr: 1.00
IntFile : rteint.p
Quant Time: Jul 7 12:54 2020 Quant Results File: 070620F.RES

Quant Method : J:\GC21\METHODS\070620F.M (RTE Integrator)
Title : 8015/NWTPH/AK SVF MJ257 CAL16158
Last Update : Tue Jul 07 08:30:44 2020
Response via : Single Level Calibration
DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
Signal Phase : ZB-1
Signal Info : 15m x 0.25mm x 1.0 um



Data File : J:\GC21\DATA\070620F\0706F174.D

Acq On : 07 Jul 2020 10:18 am

Sample : IB

Misc :

IntFile : rteint.p

Quant Time: Jul 7 12:53 2020 Quant Results File: 070620F.RES

Vial: 86

Operator: TAP

Inst : GC21

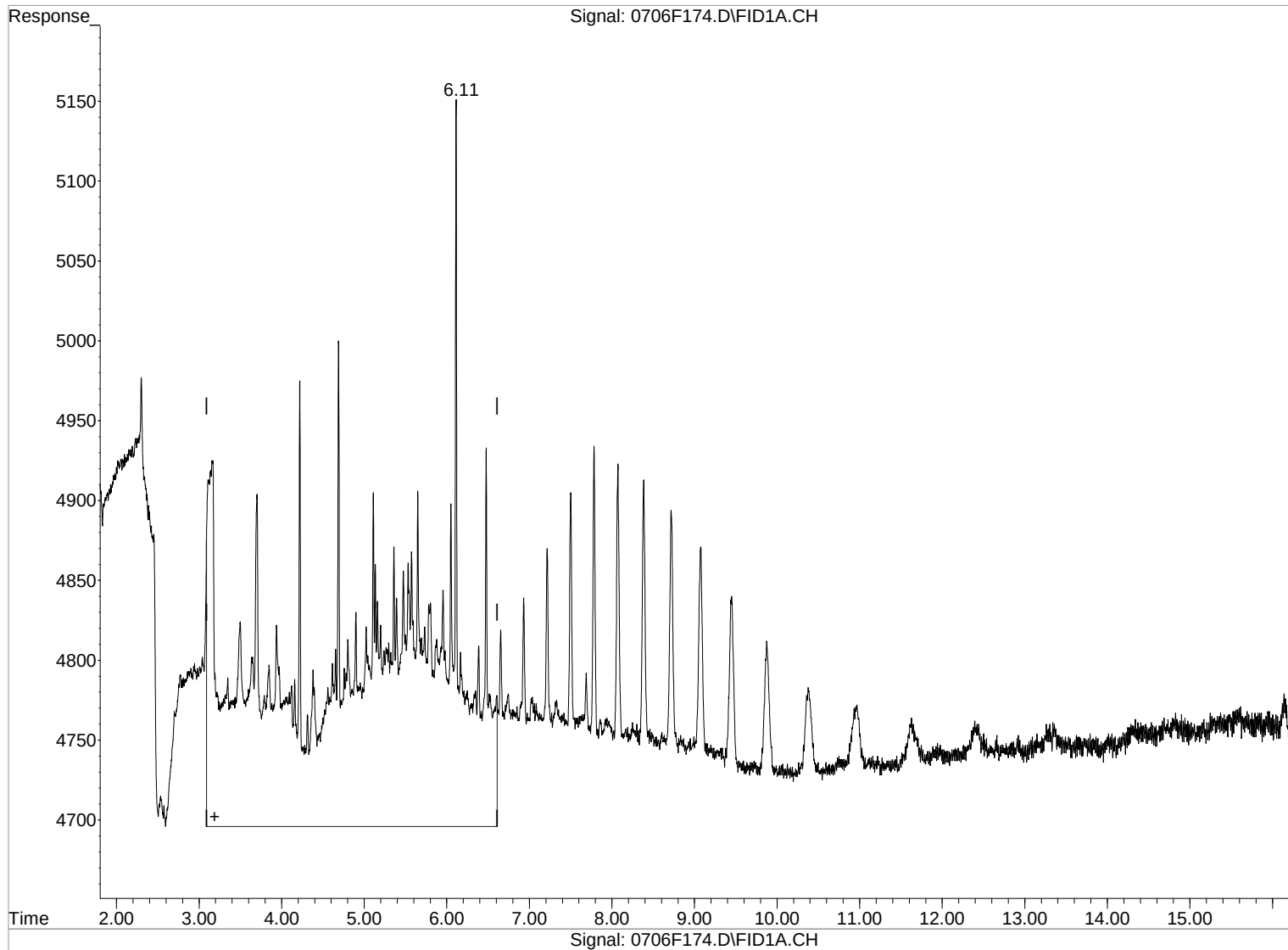
Multiplr: 1.00

Method : J:\GC21\METHODS\070620F.M (RTE Integrator)

Title : 8015/NWTPH/AK SVF MJ257 CAL16158

Last Update : Tue Jul 07 08:30:44 2020

Response via : Multiple Level Calibration



(6) C10-C25ex DRO [AK102] (H)

Manual Integration:

3.19min 13.185ppm

Before

response 21099

07/07/20

(+) = Expected Retention Time

0706F174.D 070620F.M

Tue Jul 07 12:54:05 2020

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Data File : J:\GC21\DATA\070620F\0706F174.D

Acq On : 07 Jul 2020 10:18 am

Sample : IB

Misc :

IntFile : rteint.p

Quant Time: Jul 7 12:53 2020 Quant Results File: 070620F.RES

Vial: 86

Operator: TAP

Inst : GC21

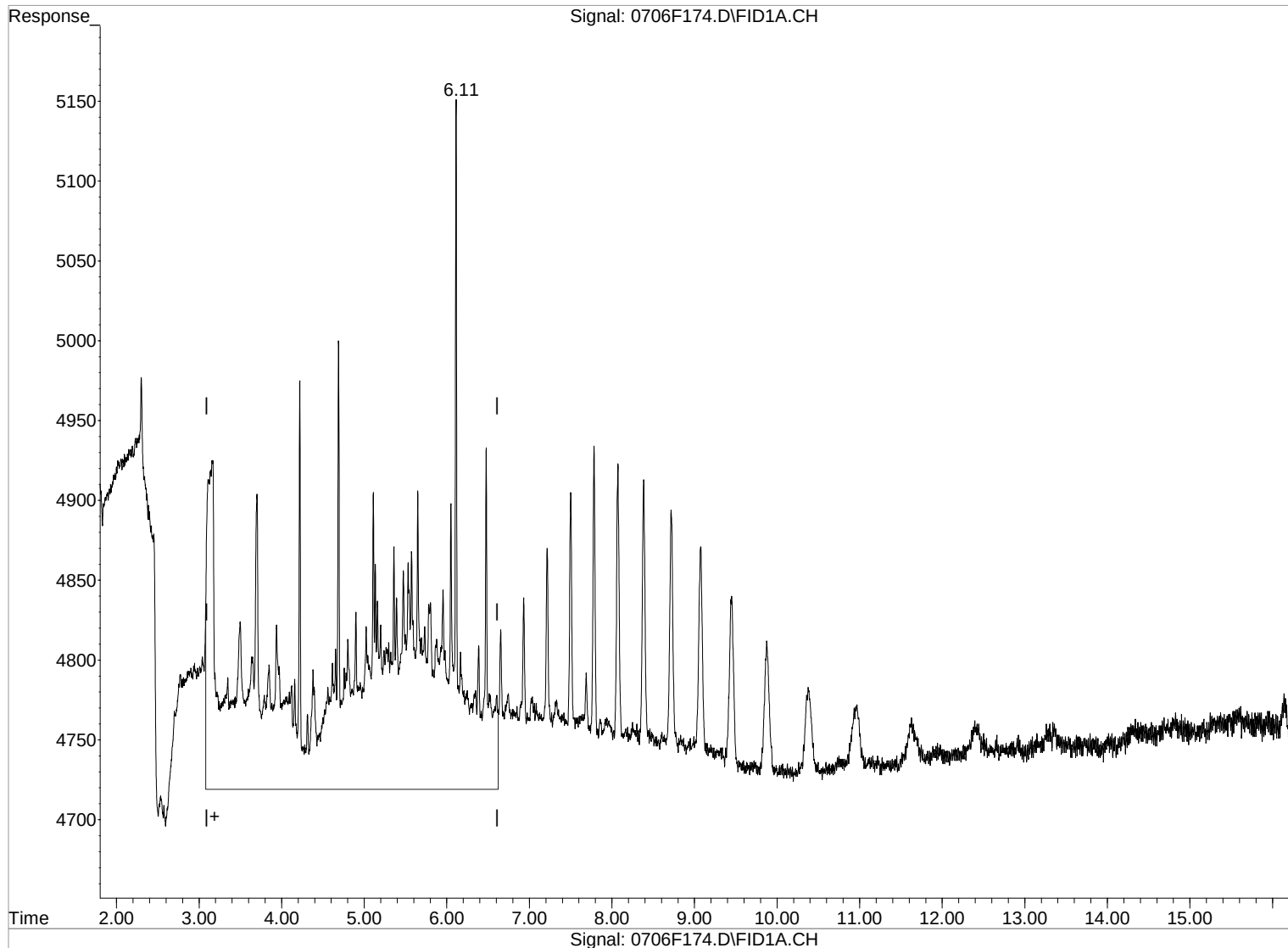
Multiplr: 1.00

Method : J:\GC21\METHODS\070620F.M (RTE Integrator)

Title : 8015/NWTPH/AK SVF MJ257 CAL16158

Last Update : Tue Jul 07 08:30:44 2020

Response via : Multiple Level Calibration



(6) C10-C25ex DRO [AK102] (H)

3.19min 10.225ppm

response 16362

Manual Integration:

After

Baseline/Shoulder

07/07/20

(+) = Expected Retention Time

0706F174.D 070620F.M

Tue Jul 07 12:54:16 2020

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Exception Report

Data File: J:\GC21\DATA\070620F\0706F183.D
Lab ID: KWG2001921-4
RunType: IB
Matrix: NOT APPLICABLE

Date Acquired: 07/07/2020 13:42
Date Quantitated: 07/07/2020 14:07
Batch ID: KWG2001921
Analysis Method: 8015C
MethodJoinID: MJ745

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
ICAL Analyte Recovery	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA		x
Below Lowest ICAL Level	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	

Primary Review: _____

Secondary Review: _____

Quantitation Report

Data File:	J:\GC21\DATA\070620F\0706F183.D	Instrument:	GC21
Acqu Date:	07/07/2020 13:42	Quant Date:	07/07/2020 14:07
Run Type:	IB	MethodJoinID:	MJ745
Lab ID:	KWG2001921-4	Vial:	86
		Dilution:	1.0
		Soln Conc. Units:	ppm

Bottle ID:		Tier:		Matrix:	NOT APPLICABLE
Prod Code:	8015C DRO	Collect Date:		Receive Date:	07/07/2020

Analysis Lot:	KWG2001921	Prep Lot:		Report Group:	
Analysis Method:	8015C	Prep Method:			
Prep Ref:		Prep Date:			

Quant Method:	J:\GC21\METHODS\070620F.M	Calibration ID:	CAL16326
Title:		Method ID:	MJ745
MB Ref:		Quant based on Method	

Surrogate Compounds

Parameter Name	RT	RT Dev	Response	Solution Conc	%Rec	%Rec Limits	Rpt?
4-Bromofluorobenzene			0			50-150 NA	
o-Terphenyl			0			55-133 NA	
n-Triacontane			0			54-136 NA	

Target Compounds

Parameter Name	RT	RT Dev	Response	Solution Conc	Final Conc	Q	Rpt?
C9 - C24 DRO	2.80		20076				
C10 - C25 DRO	3.19 _C		17888	11.18	< MRL		
C10 - C28 DRO	3.19 _C		21639	12.94			
Diesel Range Organics (DRO)	3.84		13647	10.14			
Residual Range Organics (RRO)	6.71		8977	9.77			
C25 - C44 RRO	6.90		12465				

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File : J:\GC21\DATA\070620F\0706F183.D Vial: 86
Acq On : 07 Jul 2020 1:42 pm Operator: TAP
Sample : IB Inst : GC21
Misc : Multiplr: 1.00
IntFile : rteint.p
Quant Time: Jul 07 14:07:33 2020 Quant Results File: 070620F.RES

Quant Method : J:\GC21\METHODS\070620F.M (RTE Integrator)
Title : 8015/NWTPH/AK SVF MJ257 CAL16158
Last Update : Tue Jul 07 08:30:44 2020
Response via : Initial Calibration
DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
Signal Phase : ZB-1
Signal Info : 15m x 0.25mm x 1.0 um

Compound	R.T.	Response	Conc Units
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System Monitoring Compounds

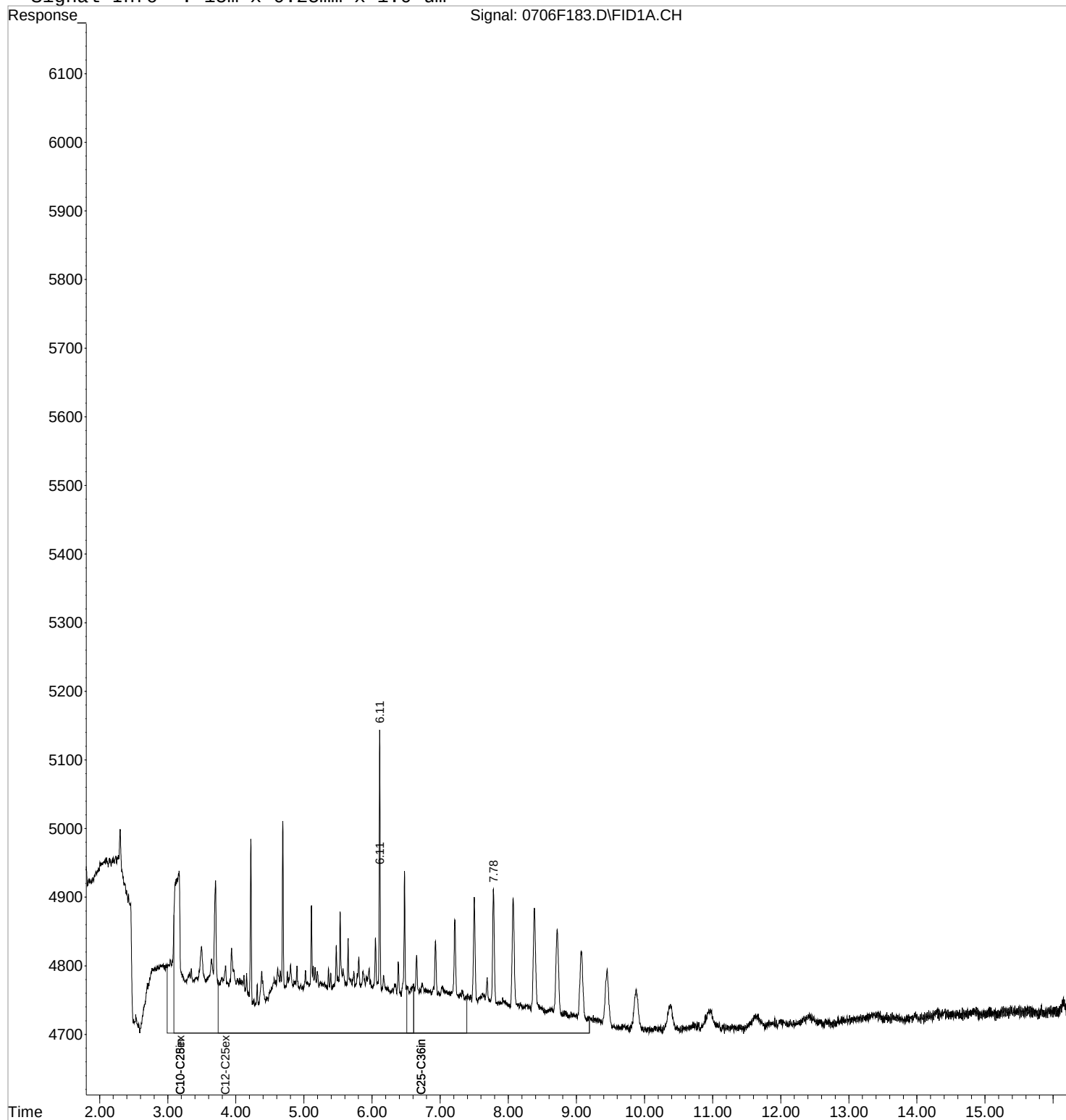
Target Compounds

6)	H	C10-C25ex DRO [AK102]	3.19	17888	11.178 ppm
7)	H	C10-C28in DRO [8015]	3.19	21639	12.943 ppm
8)	H	C12-C25ex DRO [NWTPH]	3.84	13647	10.138 ppm
10)	H	C25-C36in RRO [NWTPH]	6.71	8977	9.773 ppm
11)	H	C25-C36in RRO [AK103]	6.71	9362	10.774 ppm

Data File : J:\GC21\DATA\070620F\0706F183.D Vial: 86
Acq On : 07 Jul 2020 1:42 pm Operator: TAP
Sample : IB Inst : GC21
Misc : Multiplr: 1.00
IntFile : rteint.p
Quant Time: Jul 7 14:07 2020 Quant Results File: 070620F.RES

Quant Method : J:\GC21\METHODS\070620F.M (RTE Integrator)
Title : 8015/NWTPH/AK SVF MJ257 CAL16158
Last Update : Tue Jul 07 08:30:44 2020
Response via : Single Level Calibration
DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
Signal Phase : ZB-1
Signal Info : 15m x 0.25mm x 1.0 um



Exception Report

Data File: J:\GC21\DATA\070620F JP8\0706F174.D
Lab ID: KWG2001922-3
RunType: IB
Matrix: NOT APPLICABLE

Date Acquired: 07/07/2020 10:18
Date Quantitated: 07/07/2020 13:00
Batch ID: KWG2001922
Analysis Method: 8015C
MethodJoinID: MJ745

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
ICAL Analyte Recovery	NA	NA	NA		x
Second Source ICAL Verification	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
ICAL Analyte Recovery	JP-8 (C8 - C18)	0.9895	0.99	NA	narr

Primary Review: _____

Secondary Review: _____

Quantitation Report

Data File:	J:\GC21\DATA\070620F JP8\0706F174.D	Instrument:	GC21
Acqu Date:	07/07/2020 10:18	Quant Date:	07/07/2020 13:00
Run Type:	IB	MethodJoinID:	MJ745
Lab ID:	KWG2001922-3	Dilution:	1.0
		Soln Conc. Units:	ppm

Bottle ID:		Tier:		Matrix:	NOT APPLICABLE
Prod Code:	8015C DRO	Collect Date:		Receive Date:	07/07/2020

Analysis Lot:	KWG2001922	Prep Lot:		Report Group:	
Analysis Method:	8015C	Prep Method:			
Prep Ref:		Prep Date:			

Quant Method:	J:\GC21\METHODS\070620FJP8.M	Calibration ID:	CAL16324
Title:		Method ID:	MJ745
MB Ref:		Quant based on Method	

Surrogate Compounds

Parameter Name	RT	RT Dev	Response	Solution Conc	%Rec	%Rec Limits	Rpt?
4-Bromofluorobenzene			0			50-150 NA	
o-Terphenyl			0			55-133 NA	
n-Triacontane			0			54-136 NA	

Target Compounds

Parameter Name	RT	RT Dev	Response	Solution Conc	Final Conc	Final Conc Units:	Q	Rpt?
JP-8 (C8 - C18)			18504			ug/L		
						< MRL		

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File : J:\GC21\DATA\070620F JP8\0706F174.D Vial: 86
Acq On : 07 Jul 2020 10:18 am Operator: TAP
Sample : IB Inst : GC21
Misc : Multiplr: 1.00
IntFile : rteint.p
Quant Time: Jul 07 13:00:10 2020 Quant Results File: 070620FJP8.RES

Quant Method : J:\GC21\METHODS\070620FJP8.M (RTE Integrator)
Title : JP-8 by GC/FID CAL16321
Last Update : Tue Jul 07 10:49:20 2020
Response via : Initial Calibration
DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
Signal Phase : ZB-1
Signal Info : 15m x 0.25mm x 1.0 um

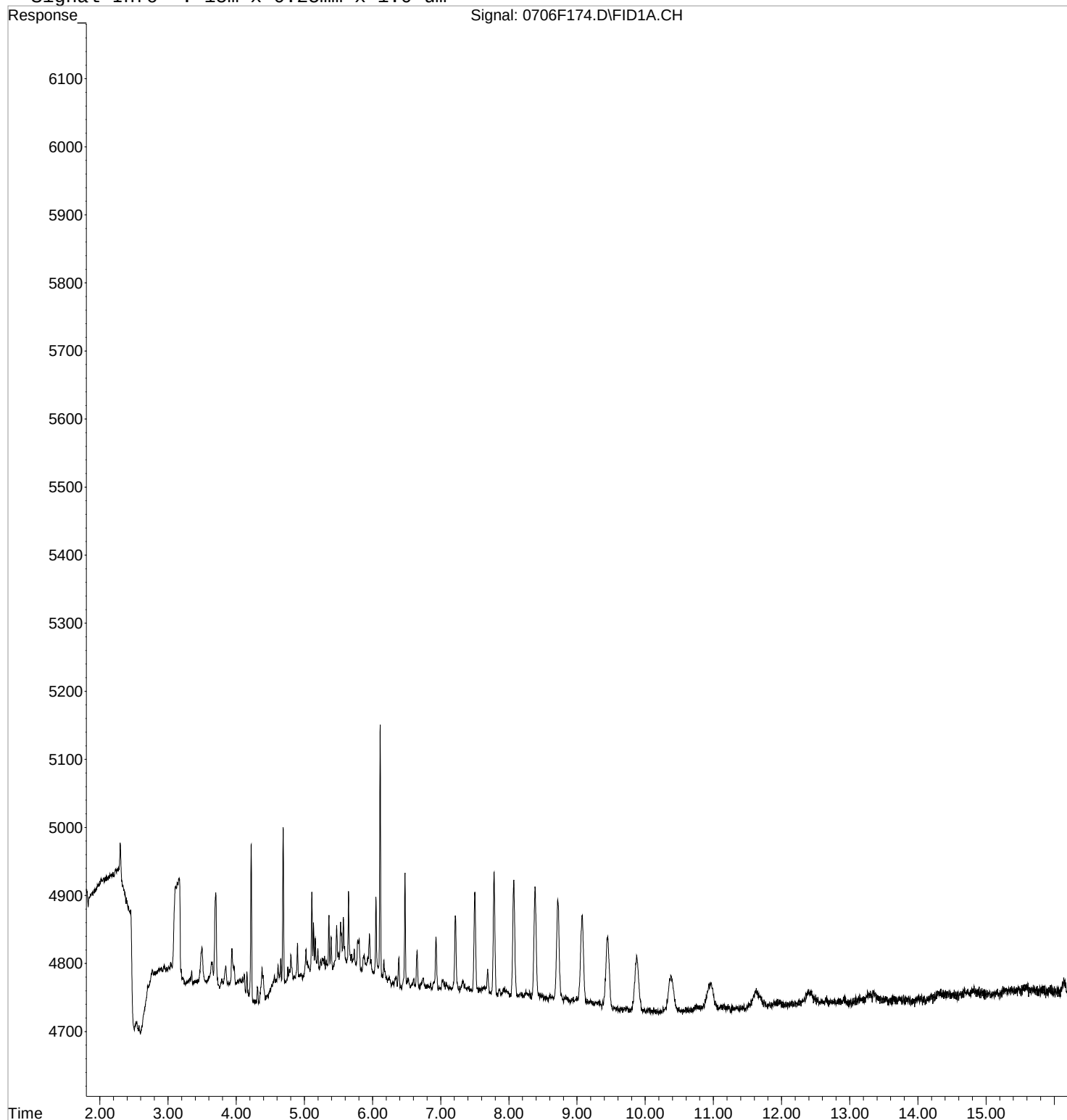
Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
Target Compounds			

Data File : J:\GC21\DATA\070620F JP8\0706F174.D Vial: 86
Acq On : 07 Jul 2020 10:18 am Operator: TAP
Sample : IB Inst : GC21
Misc : Multiplr: 1.00
IntFile : rteint.p
Quant Time: Jul 7 13:00 2020 Quant Results File: 070620FJP8.RES

Quant Method : J:\GC21\METHODS\070620FJP8.M (RTE Integrator)
Title : JP-8 by GC/FID CAL16321
Last Update : Tue Jul 07 10:49:20 2020
Response via : Single Level Calibration
DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
Signal Phase : ZB-1
Signal Info : 15m x 0.25mm x 1.0 um



Exception Report

Data File: J:\GC21\DATA\070620F JP8\0706F174.D
Lab ID: KWG2001922-3
RunType: IB
Matrix: NOT APPLICABLE

Date Acquired: 07/07/2020 10:18
Date Quantitated: 07/07/2020 13:00
Batch ID: KWG2001922
Analysis Method: 8015C
MethodJoinID: MJ745

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
ICAL Analyte Recovery	NA	NA	NA		x
Second Source ICAL Verification	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
ICAL Analyte Recovery	JP-8 (C8 - C18)	0.9895	0.99	NA	narr

Primary Review: _____

Secondary Review: _____

Quantitation Report

Data File:	J:\GC21\DATA\070620F JP8\0706F174.D	Instrument:	GC21
Acqu Date:	07/07/2020 10:18	Quant Date:	07/07/2020 13:00
Run Type:	IB	MethodJoinID:	MJ745
Lab ID:	KWG2001922-3	Dilution:	1.0
		Soln Conc. Units:	ppm

Bottle ID:		Tier:		Matrix:	NOT APPLICABLE
Prod Code:	8015C DRO	Collect Date:		Receive Date:	07/07/2020

Analysis Lot:	KWG2001922	Prep Lot:		Report Group:	
Analysis Method:	8015C	Prep Method:			
Prep Ref:		Prep Date:			

Quant Method:	J:\GC21\METHODS\070620FJP8.M	Calibration ID:	CAL16324
Title:		Method ID:	MJ745
MB Ref:		Quant based on Method	

Surrogate Compounds

Parameter Name	RT	RT Dev	Response	Solution Conc	%Rec	%Rec Limits	Rpt?
4-Bromofluorobenzene			0			50-150 NA	
o-Terphenyl			0			55-133 NA	
n-Triacontane			0			54-136 NA	

Target Compounds

Parameter Name	RT	RT Dev	Response	Solution Conc	Final Conc	Final Conc Units:	Q	Rpt?
JP-8 (C8 - C18)			18504		< MRL	ug/L		

U: Undetected at or above MDL
 J: Analyte detected above MDL, but below MRL
 B: Hit above MRL also found in Method Blank
 E: Analyte concentration above high point of ICAL
 N: Presumptive evidence of compound

D: Result from dilution
 m: Manual integration performed
 d: Compound manually deleted
 NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
 #: Acceptance criteria not applicable
 ?: Insufficient information to determine acceptance
 e: Result >= MRL, but MRL less than low point of ICAL
 c: check for co-elution

Data File : J:\GC21\DATA\070620F JP8\0706F174.D Vial: 86
Acq On : 07 Jul 2020 10:18 am Operator: TAP
Sample : IB Inst : GC21
Misc : Multiplr: 1.00
IntFile : rteint.p
Quant Time: Jul 07 13:00:10 2020 Quant Results File: 070620FJP8.RES

Quant Method : J:\GC21\METHODS\070620FJP8.M (RTE Integrator)
Title : JP-8 by GC/FID CAL16321
Last Update : Tue Jul 07 10:49:20 2020
Response via : Initial Calibration
DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
Signal Phase : ZB-1
Signal Info : 15m x 0.25mm x 1.0 um

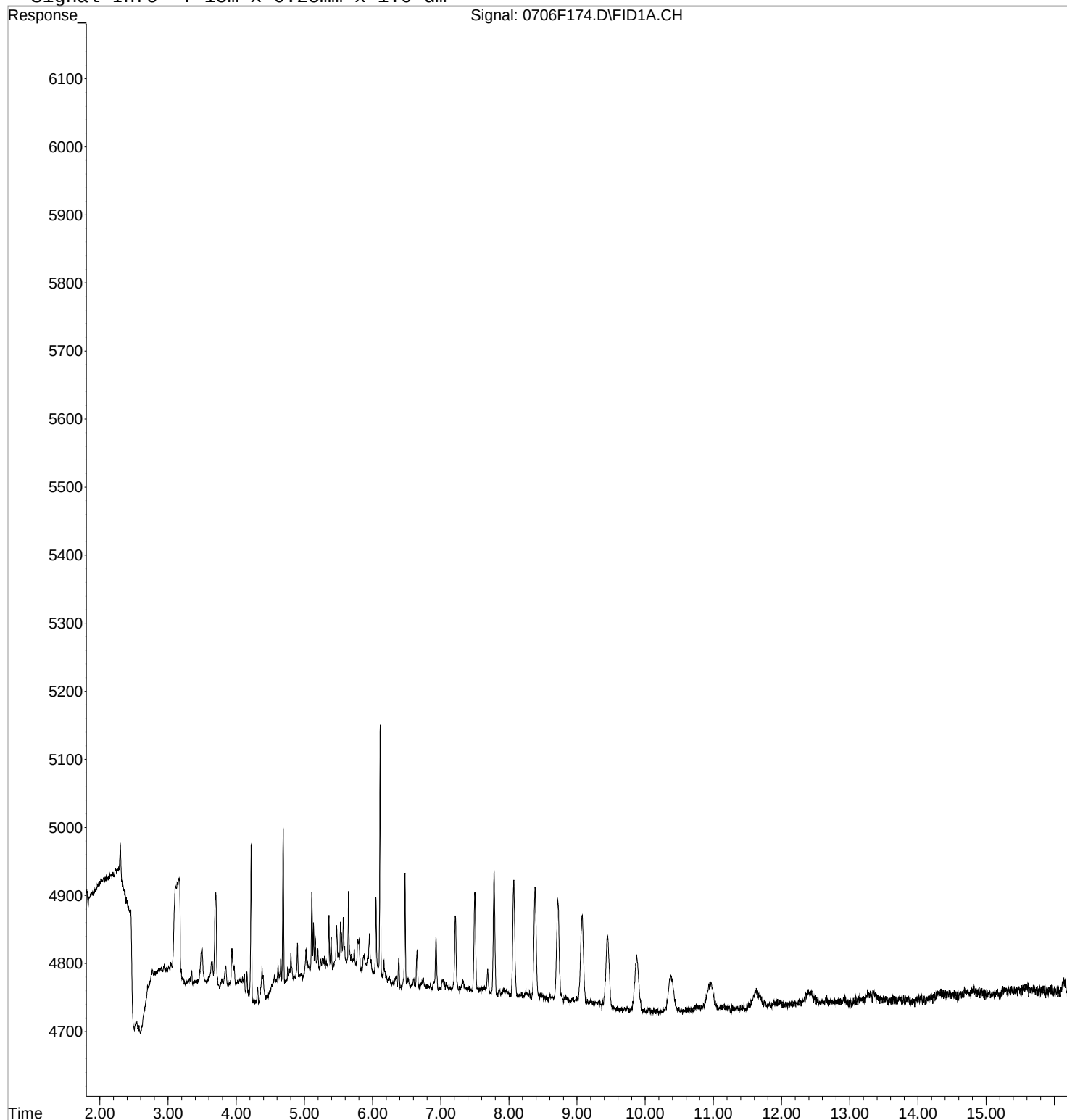
Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
Target Compounds			

Data File : J:\GC21\DATA\070620F JP8\0706F174.D Vial: 86
Acq On : 07 Jul 2020 10:18 am Operator: TAP
Sample : IB Inst : GC21
Misc : Multiplr: 1.00
IntFile : rteint.p
Quant Time: Jul 7 13:00 2020 Quant Results File: 070620FJP8.RES

Quant Method : J:\GC21\METHODS\070620FJP8.M (RTE Integrator)
Title : JP-8 by GC/FID CAL16321
Last Update : Tue Jul 07 10:49:20 2020
Response via : Single Level Calibration
DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
Signal Phase : ZB-1
Signal Info : 15m x 0.25mm x 1.0 um



Exception Report

Data File: J:\GC21\DATA\070620F JP8\0706F183.D
Lab ID: KWG2001922-4
RunType: IB
Matrix: NOT APPLICABLE

Date Acquired: 07/07/2020 13:42
Date Quantitated: 07/07/2020 14:08
Batch ID: KWG2001922
Analysis Method: 8015C
MethodJoinID: MJ745

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
ICAL Analyte Recovery	NA	NA	NA		x
Second Source ICAL Verification	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
ICAL Analyte Recovery	JP-8 (C8 - C18)	0.9895	0.99	NA	narr

Primary Review: _____

Secondary Review: _____

Quantitation Report

Data File:	J:\GC21\DATA\070620F JP8\0706F183.D	Instrument:	GC21
Acqu Date:	07/07/2020 13:42	Quant Date:	07/07/2020 14:08
Run Type:	IB	MethodJoinID:	MJ745
Lab ID:	KWG2001922-4	Dilution:	1.0
		Soln Conc. Units:	ppm

Bottle ID:		Tier:		Matrix:	NOT APPLICABLE
Prod Code:	8015C DRO	Collect Date:		Receive Date:	07/07/2020

Analysis Lot:	KWG2001922	Prep Lot:		Report Group:	
Analysis Method:	8015C	Prep Method:			
Prep Ref:		Prep Date:			

Quant Method:	J:\GC21\METHODS\070620FJP8.M	Calibration ID:	CAL16324
Title:		Method ID:	MJ745
MB Ref:		Quant based on Method	

Surrogate Compounds

Parameter Name	RT	RT Dev	Response	Solution Conc	%Rec	%Rec Limits	Rpt?
4-Bromofluorobenzene			0			50-150 NA	
o-Terphenyl			0			55-133 NA	
n-Triacontane			0			54-136 NA	

Target Compounds

Parameter Name	RT	RT Dev	Response	Solution Conc	Final Conc	Q	Rpt?
JP-8 (C8 - C18)			17222	< MRL			

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File : J:\GC21\DATA\070620F JP8\0706F183.D Vial: 86
Acq On : 07 Jul 2020 1:42 pm Operator: TAP
Sample : IB Inst : GC21
Misc : Multiplr: 1.00
IntFile : rteint.p
Quant Time: Jul 07 14:08:29 2020 Quant Results File: 070620FJP8.RES

Quant Method : J:\GC21\METHODS\070620FJP8.M (RTE Integrator)
Title : JP-8 by GC/FID CAL16321
Last Update : Tue Jul 07 10:49:20 2020
Response via : Initial Calibration
DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
Signal Phase : ZB-1
Signal Info : 15m x 0.25mm x 1.0 um

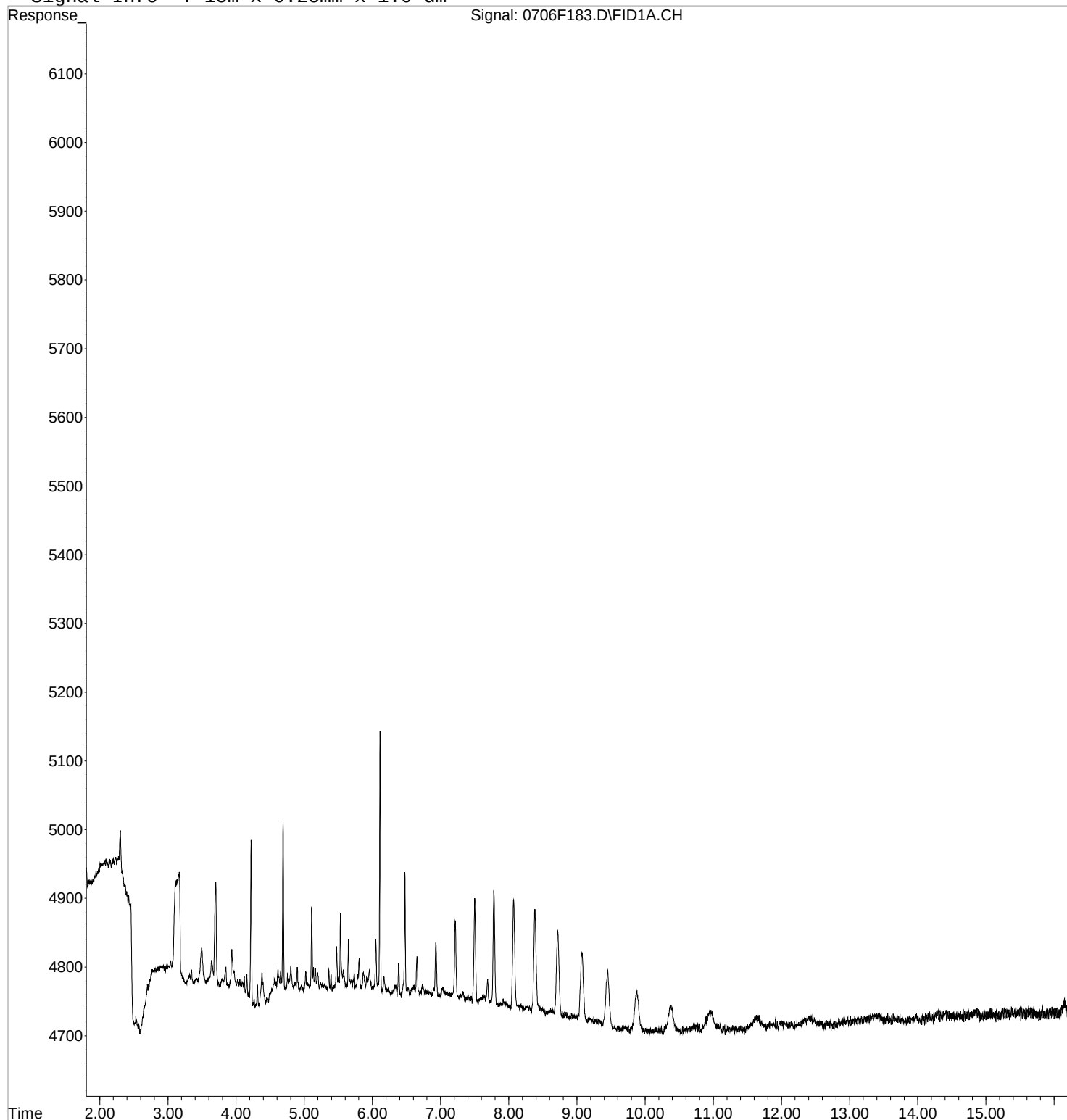
Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
Target Compounds			

Data File : J:\GC21\DATA\070620F JP8\0706F183.D Vial: 86
Acq On : 07 Jul 2020 1:42 pm Operator: TAP
Sample : IB Inst : GC21
Misc : Multiplr: 1.00
IntFile : rteint.p
Quant Time: Jul 7 14:08 2020 Quant Results File: 070620FJP8.RES

Quant Method : J:\GC21\METHODS\070620FJP8.M (RTE Integrator)
Title : JP-8 by GC/FID CAL16321
Last Update : Tue Jul 07 10:49:20 2020
Response via : Single Level Calibration
DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
Signal Phase : ZB-1
Signal Info : 15m x 0.25mm x 1.0 um



Exception Report

Data File: J:\GC21\DATA\070620F JP8\0706F183.D
Lab ID: KWG2001922-4
RunType: IB
Matrix: NOT APPLICABLE

Date Acquired: 07/07/2020 13:42
Date Quantitated: 07/07/2020 14:08
Batch ID: KWG2001922
Analysis Method: 8015C
MethodJoinID: MJ745

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
ICAL Analyte Recovery	NA	NA	NA		x
Second Source ICAL Verification	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
ICAL Analyte Recovery	JP-8 (C8 - C18)	0.9895	0.99	NA	narr

Primary Review: _____

Secondary Review: _____

Quantitation Report

Data File:	J:\GC21\DATA\070620F JP8\0706F183.D	Instrument:	GC21
Acqu Date:	07/07/2020 13:42	Quant Date:	07/07/2020 14:08
Run Type:	IB	MethodJoinID:	MJ745
Lab ID:	KWG2001922-4	Dilution:	1.0
		Soln Conc. Units:	ppm

Bottle ID:		Tier:		Matrix:	NOT APPLICABLE
Prod Code:	8015C DRO	Collect Date:		Receive Date:	07/07/2020

Analysis Lot:	KWG2001922	Prep Lot:		Report Group:	
Analysis Method:	8015C	Prep Method:			
Prep Ref:		Prep Date:			

Quant Method:	J:\GC21\METHODS\070620FJP8.M	Calibration ID:	CAL16324
Title:		Method ID:	MJ745
MB Ref:		Quant based on Method	

Surrogate Compounds

Parameter Name	RT	RT Dev	Response	Solution Conc	%Rec	%Rec Limits	Rpt?
4-Bromofluorobenzene			0			50-150 NA	
o-Terphenyl			0			55-133 NA	
n-Triacontane			0			54-136 NA	

Target Compounds

Parameter Name	RT	RT Dev	Response	Solution Conc	Final Conc	Q	Rpt?
JP-8 (C8 - C18)			17222	< MRL			

U: Undetected at or above MDL
 J: Analyte detected above MDL, but below MRL
 B: Hit above MRL also found in Method Blank
 E: Analyte concentration above high point of ICAL
 N: Presumptive evidence of compound

D: Result from dilution
 m: Manual integration performed
 d: Compound manually deleted
 NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
 #: Acceptance criteria not applicable
 ?: Insufficient information to determine acceptance
 e: Result >= MRL, but MRL less than low point of ICAL
 c: check for co-elution

Data File : J:\GC21\DATA\070620F JP8\0706F183.D Vial: 86
Acq On : 07 Jul 2020 1:42 pm Operator: TAP
Sample : IB Inst : GC21
Misc : Multiplr: 1.00
IntFile : rteint.p
Quant Time: Jul 07 14:08:29 2020 Quant Results File: 070620FJP8.RES

Quant Method : J:\GC21\METHODS\070620FJP8.M (RTE Integrator)
Title : JP-8 by GC/FID CAL16321
Last Update : Tue Jul 07 10:49:20 2020
Response via : Initial Calibration
DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
Signal Phase : ZB-1
Signal Info : 15m x 0.25mm x 1.0 um

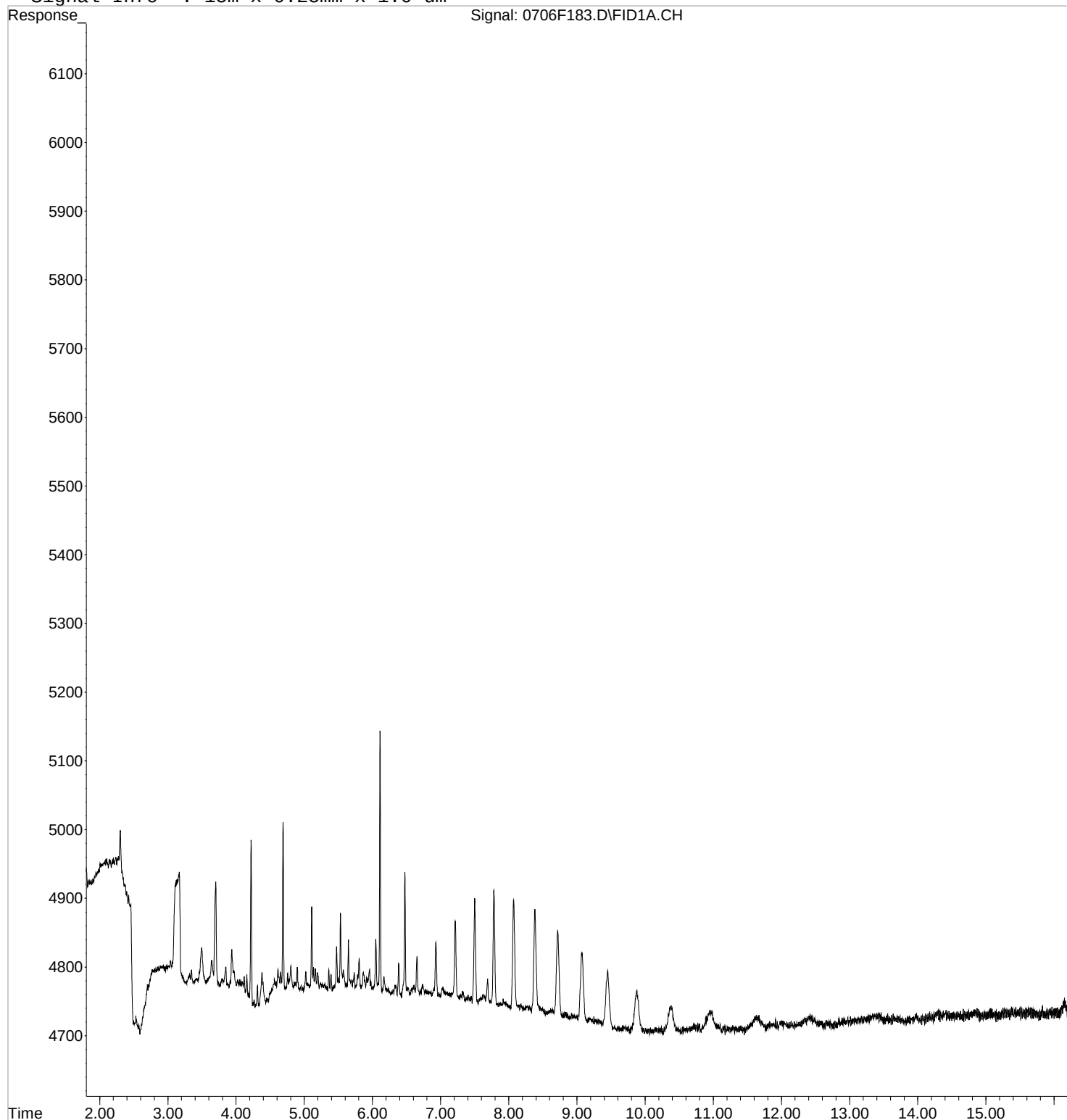
Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
Target Compounds			

Data File : J:\GC21\DATA\070620F JP8\0706F183.D Vial: 86
Acq On : 07 Jul 2020 1:42 pm Operator: TAP
Sample : IB Inst : GC21
Misc : Multiplr: 1.00
IntFile : rteint.p
Quant Time: Jul 7 14:08 2020 Quant Results File: 070620FJP8.RES

Quant Method : J:\GC21\METHODS\070620FJP8.M (RTE Integrator)
Title : JP-8 by GC/FID CAL16321
Last Update : Tue Jul 07 10:49:20 2020
Response via : Single Level Calibration
DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
Signal Phase : ZB-1
Signal Info : 15m x 0.25mm x 1.0 um



Injection Log

Directory: J:\GC21\DATA\070620F

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	90	0706F101.D	1.	DCM		07/06/2020 6:57:4
2	90	0706F102.D	1.	DCM		07/06/2020 7:19:5
3	90	0706F103.D	1.	DCM		07/06/2020 7:42:2
4	90	0706F104.D	1.	DCM		07/06/2020 8:04:5
5	90	0706F105.D	1.	DCM		07/06/2020 8:27:2
6	90	0706F106.D	1.	DCM		07/06/2020 8:49:5
7	90	0706F107.D	1.	DCM		07/06/2020 9:12:3
8	90	0706F108.D	1.	IB		07/06/2020 9:35:0
9	90	0706F109.D	1.	IB		07/06/2020 9:57:4
10	90	0706F110.D	1.	IB		07/06/2020 10:20:2
11	90	0706F111.D	1.	IB		07/06/2020 10:42:5
12	99	0706F112.D	1.	MC252		07/06/2020 11:48:2
13	91	0706F113.D	1.	ALIPHATICS		07/06/2020 12:10:5
14	86	0706F114.D	1.	ICAL BLANK		07/06/2020 12:33:2
15	1	0706F115.D	1.	JP8 SVF02-92E 20/1.0	stopok	07/06/2020 12:56:0
16	2	0706F116.D	1.	JP8 SVF02-92D 50/2.5		07/06/2020 1:18:3
17	3	0706F117.D	1.	JP8 SVF02-92C 200/10		07/06/2020 1:41:0
18	4	0706F118.D	1.	JP8 SVF02-92B 500/25		07/06/2020 2:03:4
19	5	0706F119.D	1.	JP8 SVF02-92A 2000/100		07/06/2020 2:26:1
20	6	0706F120.D	1.	JP8 SVF02-91K 5000/250		07/06/2020 2:48:4
21	7	0706F121.D	1.	JP8 SVF02-91J 20,000		07/06/2020 3:11:2
22	8	0706F122.D	1.	JP8 SVF02-91I 50,000		07/06/2020 3:34:0
23	90	0706F123.D	1.	IB		07/06/2020 3:56:3
24	86	0706F124.D	1.	IB		07/06/2020 4:19:1
25	9	0706F125.D	1.	JP8 SVF02-92F ICV @1000		07/06/2020 4:41:4
26	90	0706F126.D	1.	IB		07/06/2020 5:04:1
27	90	0706F127.D	1.	IB		07/06/2020 5:26:4
28	86	0706F128.D	1.	ICAL BLANK		07/06/2020 5:49:1
29	10	0706F129.D	1.	DRO SVF02-93C 20/1.0		07/06/2020 6:11:4
30	11	0706F130.D	1.	DRO SVF02-93B 50/2.5		07/06/2020 6:34:2
31	12	0706F131.D	1.	DRO SVF02-93A 200/10		07/06/2020 6:56:5
32	13	0706F132.D	1.	DRO SVF02-92K 500/25		07/06/2020 7:19:1
33	14	0706F133.D	1.	DRO SVF02-92J 2000/100		07/06/2020 7:41:5
34	15	0706F134.D	1.	DRO SVF02-92I 5000/250		07/06/2020 8:04:1
35	16	0706F135.D	1.	DRO SVF02-92H 20,000	42	07/06/2020 8:26:4
36	17	0706F136.D	1.	DRO SVF02-92G 50,000	42	07/06/2020 8:49:2
37	90	0706F137.D	1.	IB		07/06/2020 9:11:5
38	86	0706F138.D	1.	IB		07/06/2020 9:34:1
39	18	0706F139.D	1.	DRO SVF02-93D ICV@1000	42	07/06/2020 9:56:4
40	86	0706F140.D	1.	IB		07/06/2020 10:19:1
41	19	0706F141.D	1.	DRO SVF02-93E ICV CHECK@1000 AMP.		07/06/2020 10:41:4
42	90	0706F143.D	1.	IB		07/06/2020 11:04:1
43	90	0706F144.D	1.	IB		07/06/2020 11:26:3
44	86	0706F145.D	1.	ICAL BLANK		07/06/2020 11:49:0
45	20	0706F146.D	1.	RRO SVF02-93J 50		07/07/2020 12:11:3
46	21	0706F147.D	1.	RRO SVF02-93I 200		07/07/2020 12:33:5
47	22	0706F148.D	1.	RRO SVF02-93H 500		07/07/2020 12:56:2
48	23	0706F149.D	1.	RRO SVF02-93G 2000		07/07/2020 1:18:5
49	24	0706F150.D	1.	RRO SVF02-93F 5000		07/07/2020 1:41:2
50	86	0706F151.D	1.	IB		07/07/2020 2:03:5
51	25	0706F152.D	1.	RRO SVF02-93K ICV@1000		07/07/2020 2:26:2
52	90	0706F153.D	1.	IB		07/07/2020 2:48:4
53	90	0706F154.D	1.	IB		07/07/2020 3:11:1
54	86	0706F156.D	1.	ICAL BLANK		07/07/2020 3:33:4

ALS-Kelso
Initial Calibration Checklist GC

Method: MJ745 JP8
ICAL ID or Date: CAL16324
Instrument: GC-21

Primary Secondary

- | | | |
|-------------------------------------|-------------------------------------|---|
| ☒ | ☒ | The new ICAL is saved with a unique ID. |
| ☒ | ☒ | ICAL was performed continuously (i.e. not interrupted by maintenance event). |
| ☒ | ☒ | All analytes in blank are $< \frac{1}{2}$ MRL. |
| ☒ | ☒ | ICAL contains minimum number of concentrations. |
| ☒ | ☒ | No internal levels excluded for any analytes. |
| ☒ | ☒ | Retention times updated using a midpoint of the calibration. Secondary reviewer double check peak IDs. |
| ☒ | ☒ | Calibration files quantitated with new method. |
| ☒ | ☒ | Check integrations. Primary reviewer must check all integrations electronically. Secondary reviewer will check low point and high point electronically. |
| ☒ | ☒ | ICAL files added to calibration table. |
| ☒ | ☒ | The average RF or COD meets method criteria for all analytes. <i>- none stealth error</i> |
| ☒ | ☒ | ICV is quantitated against new ICAL. |
| ☒ | ☒ | ICV meets method criteria. |
| ☒ | ☒ | Linked in Stealth to an appropriate method. An appropriate method will be one that contains all analytes that were analyzed. |
| ☒ | ☒ | All calibration reports included: ICAL SUMMARY, ICAL DETAILED, ICV SUMMARY. |
| ☒ | ☒ | Enviroquant/Target responses match those in Stealth. |
| ☒ | ☒ | All quant reports and manual integrations initialed and dated. |

Data packet should be in the following order: Sequence log, Calibration Review, Stealth ICAL reports, and quant reports.

Primary: 

Date: 7-7-20

Secondary: 

Date: 7/7/20

Initial Calibration - Summary Report

Calibration ID: CAL16324
Method ID: MJ745

Instrument ID: GC21
Column Name: ZB-1

Parameter Name	Type	Curve Fit	Min RF	Mean RF	Max %RSD	%RSD	Min COD	COD	MRL Check	Conc ½ Low pt.
4-Bromofluorobenzene	SURR	AverageRF		1.2E+3	20	10.3			NA	
o-Terphenyl	SURR	AverageRF		2.5E+3	20	10.8			NA	
n-Triacontane	SURR	AverageRF		2.0E+3	20	10.2			NA	
JP-8 (C8 - C18)	MS	Linear		1.9E+3			0.99	0.9895*	OK	2.47

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7/7/20

Initial Calibration - Detailed Report

Calibration ID: CAL16324
Method ID: MJ745

Instrument ID: GC21
Column Name: ZB-1
Calibration Fit: AverageRF

#	FileID	File Location	Acquisition Date	Quantitation Date	Last Updated
1	294005	J:\GC21\DATA\070620F\0706F115.D	07/06/2020 12:56	07/07/2020 10:48	07/07/2020 12:45
2	294006	J:\GC21\DATA\070620F\0706F116.D	07/06/2020 13:18	07/06/2020 15:39	07/07/2020 07:04
3	294007	J:\GC21\DATA\070620F\0706F117.D	07/06/2020 13:41	07/06/2020 14:11	07/07/2020 07:04
4	294008	J:\GC21\DATA\070620F\0706F118.D	07/06/2020 14:03	07/06/2020 14:21	07/07/2020 07:04
5	294009	J:\GC21\DATA\070620F\0706F119.D	07/06/2020 14:26	07/06/2020 14:44	07/07/2020 07:04
6	294010	J:\GC21\DATA\070620F\0706F120.D	07/06/2020 14:48	07/06/2020 15:08	07/07/2020 07:04
7	294011	J:\GC21\DATA\070620F\0706F121.D	07/06/2020 15:11	07/06/2020 15:31	07/07/2020 07:04
8	294012	J:\GC21\DATA\070620F\0706F122.D	07/06/2020 15:34	07/06/2020 15:59	07/07/2020 07:04

Parameter Name	#	RF	#	RF	#	RF	#	RF	#	RF	#	RF	Mean RF	%RSD
4-Bromofluorobenzene	1	1.3E+3	2	1.4E+3	3	1.3E+3	4	1.3E+3	5	1.1E+3	6	1.1E+3	1.2E+3	10.3
o-Terphenyl	1	2.7E+3	2	2.8E+3	3	2.5E+3	4	2.5E+3	5	2.2E+3	6	2.1E+3	2.5E+3	10.8
n-Triacontane	1	2.2E+3	2	2.3E+3	3	2.1E+3	4	2.1E+3	5	1.8E+3	6	1.8E+3	2.0E+3	10.2
JP-8 (C8 - C18)	1	2.7E+3	2	2.2E+3	3	2.0E+3	4	1.8E+3	5	1.7E+3	6	1.5E+3	1.9E+3	23.5#
	7	1.5E+3	8	1.4E+3										

RSD Not Applicable. Compound being quantitated from curve. Included in Average RF summary for Average %RSD calculation.

Initial Calibration - Detailed Report

Calibration ID: CAL16324
Method ID: MJ745

Instrument ID: GC21
Column Name: ZB-1
Calibration Fit: Linear

FileID	File Location	Acquisition Date	Quantitation Date	Last Updated
294005	J:\GC21\DATA\070620F\0706F115.D	07/06/2020 12:56	07/07/2020 10:48	07/07/2020 12:45
294006	J:\GC21\DATA\070620F\0706F116.D	07/06/2020 13:18	07/06/2020 15:39	07/07/2020 07:04
294007	J:\GC21\DATA\070620F\0706F117.D	07/06/2020 13:41	07/06/2020 14:11	07/07/2020 07:04
294008	J:\GC21\DATA\070620F\0706F118.D	07/06/2020 14:03	07/06/2020 14:21	07/07/2020 07:04
294009	J:\GC21\DATA\070620F\0706F119.D	07/06/2020 14:26	07/06/2020 14:44	07/07/2020 07:04
294010	J:\GC21\DATA\070620F\0706F120.D	07/06/2020 14:48	07/06/2020 15:08	07/07/2020 07:04
294011	J:\GC21\DATA\070620F\0706F121.D	07/06/2020 15:11	07/06/2020 15:31	07/07/2020 07:04
294012	J:\GC21\DATA\070620F\0706F122.D	07/06/2020 15:34	07/06/2020 15:59	07/07/2020 07:04

Parameter Name	CoefX2	CoefX	Y-intercept	COD	Mean RF
JP-8 (C8 - C18)		1.64E+3	2.32E+4	0.9895*	1.9E+3

Initial Calibration - Detailed Report

Calibration ID: CAL16324
Method ID: MJ745

Instrument ID: GC21
Column Name: ZB-1

#	FileID	File Location	Acquisition Date	Quantitation Date	Last Updated
1	294005	J:\GC21\DATA\070620F\0706F115.D	07/06/2020 12:56	07/07/2020 10:48	07/07/2020 12:45
2	294006	J:\GC21\DATA\070620F\0706F116.D	07/06/2020 13:18	07/06/2020 15:39	07/07/2020 07:04
3	294007	J:\GC21\DATA\070620F\0706F117.D	07/06/2020 13:41	07/06/2020 14:11	07/07/2020 07:04
4	294008	J:\GC21\DATA\070620F\0706F118.D	07/06/2020 14:03	07/06/2020 14:21	07/07/2020 07:04
5	294009	J:\GC21\DATA\070620F\0706F119.D	07/06/2020 14:26	07/06/2020 14:44	07/07/2020 07:04
6	294010	J:\GC21\DATA\070620F\0706F120.D	07/06/2020 14:48	07/06/2020 15:08	07/07/2020 07:04
7	294011	J:\GC21\DATA\070620F\0706F121.D	07/06/2020 15:11	07/06/2020 15:31	07/07/2020 07:04
8	294012	J:\GC21\DATA\070620F\0706F122.D	07/06/2020 15:34	07/06/2020 15:59	07/07/2020 07:04

Parameter Name	#	Cal Amt	Calc Conc	% D	#	Cal Amt	Calc Conc	% D	#	Cal Amt	Calc Conc	% D
4-Bromofluorobenzene	1	1	1.074	7.4	2	2.5	2.813	12.5	3	10	10.30	3.0
	4	25	25.41	1.6	5	100	89.65	-10.4	6	250	214.6	-14.2
o-Terphenyl	1	1	1.088	8.8	2	2.5	2.822	12.9	3	10	10.19	1.9
	4	25	25.51	2.0	5	100	88.42	-11.6	6	250	215.0	-14.0
n-Triacontane	1	1	1.086	8.6	2	2.5	2.801	12.0	3	10	10.12	1.2
	4	25	25.58	2.3	5	100	88.60	-11.4	6	250	218.1	-12.8
JP-8 (C8 - C18)	1	20	19.15	-4.2	2	50	53.03	6.1	3	200	230.5	15.2
	4	500	535.6	7.1	5	2000	2079	3.9	6	5000	4654	-6.9
	7	20000	18060	-9.7	8	50000	44240	-11.5				

Second Source Calibration Verification Summary

CalibrationID: CAL16324
Method ID: MJ745
DataFile Location: J:\GC21\DATA\070620F\0706F125.D

Units: mg/L
Column: ZB-1

Parameter Name	File ID	Curve Fit	Method Criteria	AveRF	SSV RF	% Diff	True Value	Sol'n Conc	% Drift
JP-8 (C8 - C18)	294013	Linear	20				1000.00	859.1	-14.1

Data File : J:\GC21\DATA\070620F\0706F114.D Vial: 86
Acq On : 06 Jul 2020 12:33 pm Operator: TAP
Sample : ICAL BLANK Inst : GC21
Misc : Multiplr: 1.00
IntFile : rteint.p
Quant Time: Jul 07 07:12:05 2020 Quant Results File: 070620FJP8.RES

Quant Method : J:\GC21\METHODS\070620FJP8.M (RTE Integrator)
Title : JP-8 by GC/FID CAL16321
Last Update : Tue Jul 07 07:03:12 2020
Response via : Initial Calibration
DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
Signal Phase : ZB-1
Signal Info : 15m x 0.25mm x 1.0 um

Compound	R.T.	Response	Conc Units
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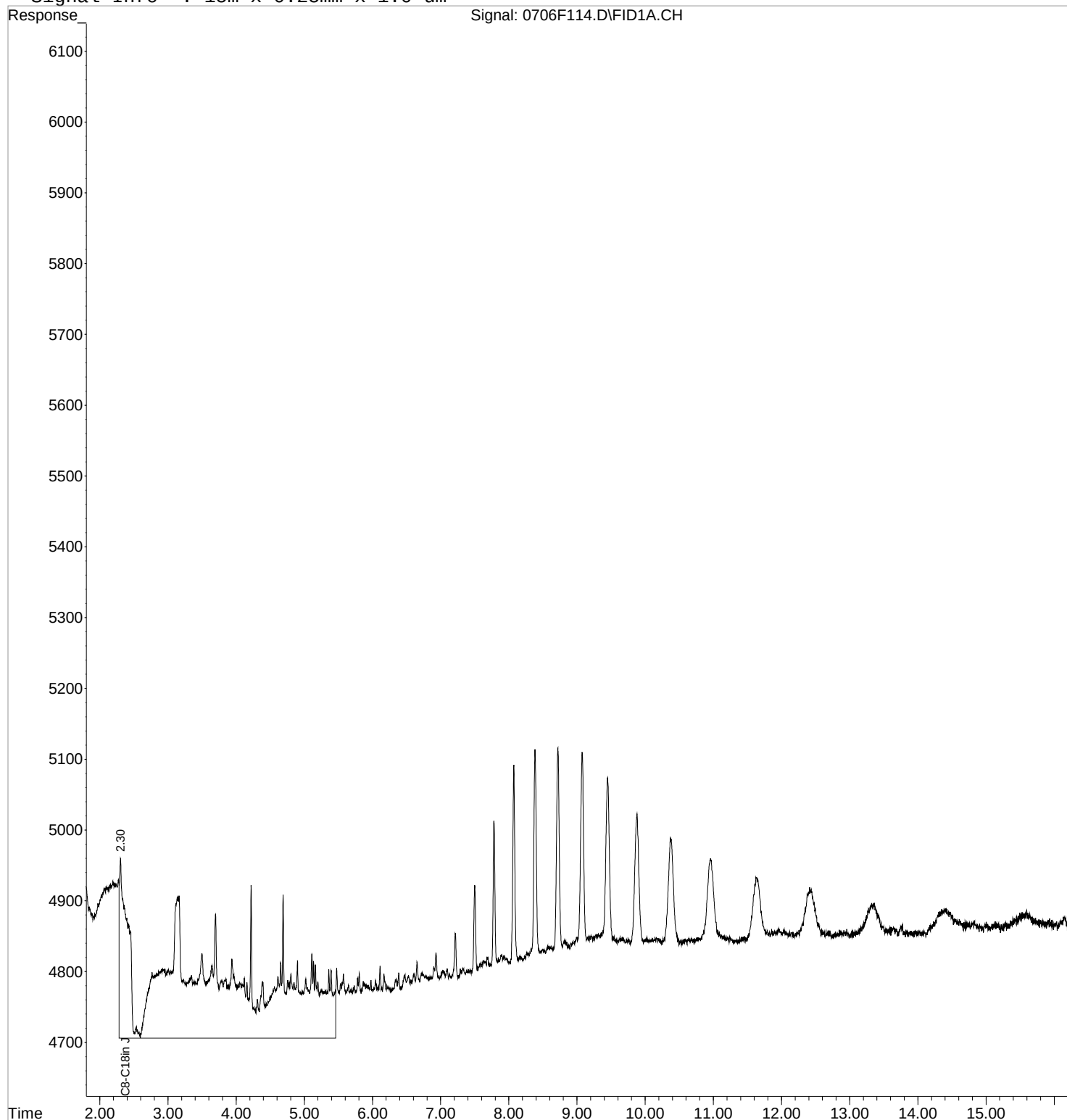
System Monitoring Compounds

Target Compounds			
4) H C8-C18in JP-8	2.38	15802	9.095 ppm

Data File : J:\GC21\DATA\070620F\0706F114.D Vial: 86
Acq On : 06 Jul 2020 12:33 pm Operator: TAP
Sample : ICAL BLANK Inst : GC21
Misc : Multiplr: 1.00
IntFile : rteint.p
Quant Time: Jul 7 7:12 2020 Quant Results File: 070620FJP8.RES

Quant Method : J:\GC21\METHODS\070620FJP8.M (RTE Integrator)
Title : JP-8 by GC/FID CAL16321
Last Update : Tue Jul 07 07:03:12 2020
Response via : Single Level Calibration
DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
Signal Phase : ZB-1
Signal Info : 15m x 0.25mm x 1.0 um



Data File : J:\GC21\DATA\070620F\0706F115.D Vial: 1
Acq On : 06 Jul 2020 12:56 pm Operator: TAP
Sample : JP8 SVF02-92E 20/1.0 Inst : GC21
Misc : Multiplr: 1.00
IntFile : rteint.p
Quant Time: Jul 07 10:47:58 2020 Quant Results File: 070620FJP8.RES

Quant Method : J:\GC21\METHODS\070620FJP8.M (RTE Integrator)
Title : JP-8 by GC/FID CAL16321
Last Update : Tue Jul 07 09:57:25 2020
Response via : Initial Calibration
DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
Signal Phase : ZB-1
Signal Info : 15m x 0.25mm x 1.0 um

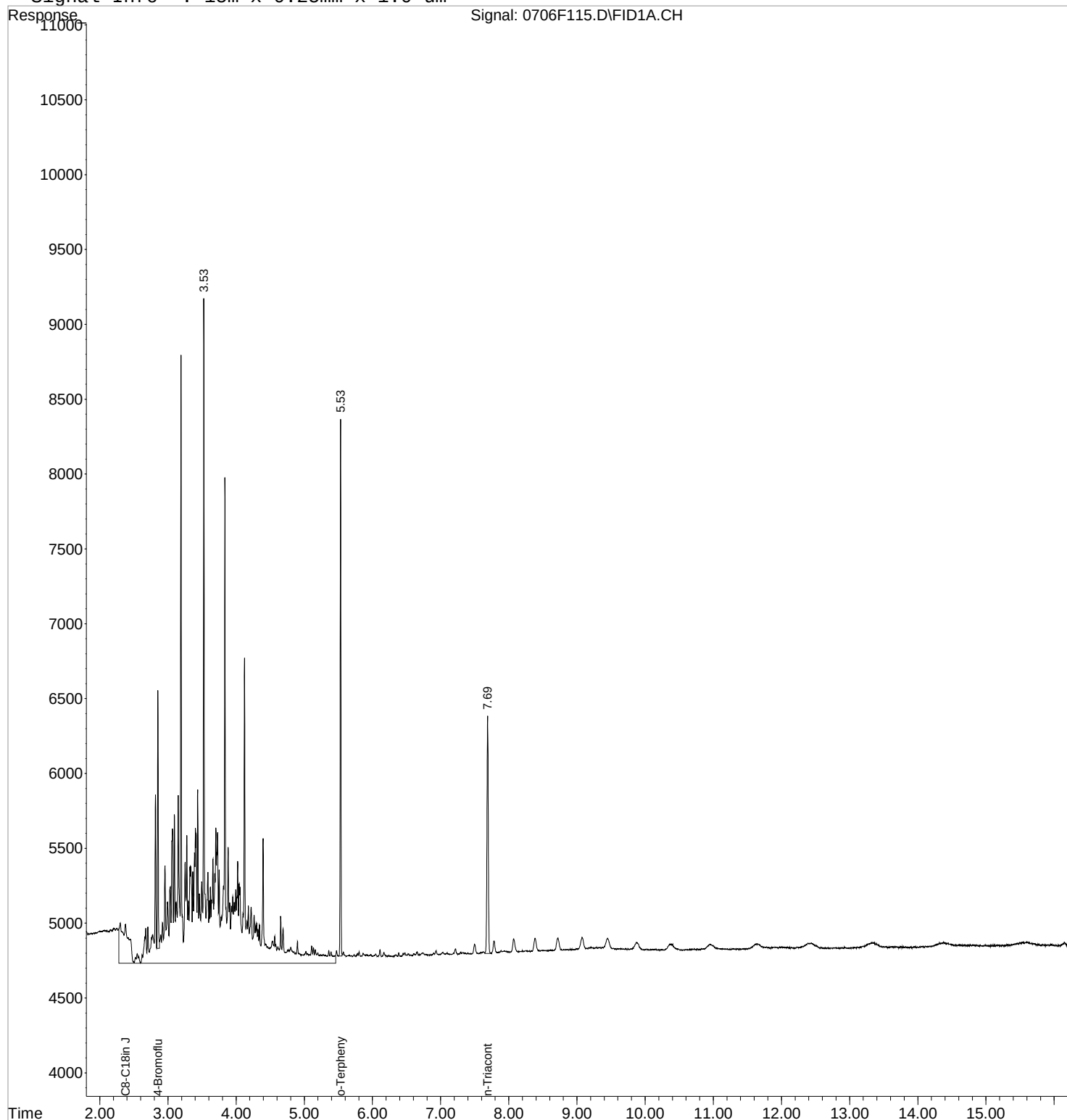
Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S 4-Bromofluorobenzene	2.85	1333	1.074 ppm
Spiked Amount 50.000	Recovery	=	2.15%
2) S o-Terphenyl	5.53	2670	1.088 ppm
Spiked Amount 50.000	Recovery	=	2.18%
3) S n-Triacontane	7.69	2221	1.086 ppm
Spiked Amount 50.000	Recovery	=	2.17%
Target Compounds			
4) H C8-C18in JP-8	2.38	54562	29.639 ppm

Data File : J:\GC21\DATA\070620F\0706F115.D Vial: 1
Acq On : 06 Jul 2020 12:56 pm Operator: TAP
Sample : JP8 SVF02-92E 20/1.0 Inst : GC21
Misc : Multiplr: 1.00
IntFile : rteint.p
Quant Time: Jul 7 10:48 2020 Quant Results File: 070620FJP8.RES

Quant Method : J:\GC21\METHODS\070620FJP8.M (RTE Integrator)
Title : JP-8 by GC/FID CAL16321
Last Update : Tue Jul 07 09:57:25 2020
Response via : Single Level Calibration
DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
Signal Phase : ZB-1
Signal Info : 15m x 0.25mm x 1.0 um



Data File : J:\GC21\DATA\070620F\0706F116.D Vial: 2
 Acq On : 06 Jul 2020 1:18 pm Operator: TAP
 Sample : JP8 SVF02-92D 50/2.5 Inst : GC21
 Misc : Multiplr: 1.00
 IntFile : rteint.p
 Quant Time: Jul 06 15:35:06 2020 Quant Results File: 070620FJP8.RES

Quant Method : J:\GC21\METHODS\070620FJP8.M (RTE Integrator)
 Title : JP-8 by GC/FID CAL16321
 Last Update : Mon Jul 06 15:31:18 2020
 Response via : Initial Calibration
 DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
 Signal Phase : ZB-1
 Signal Info : 15m x 0.25mm x 1.0 um

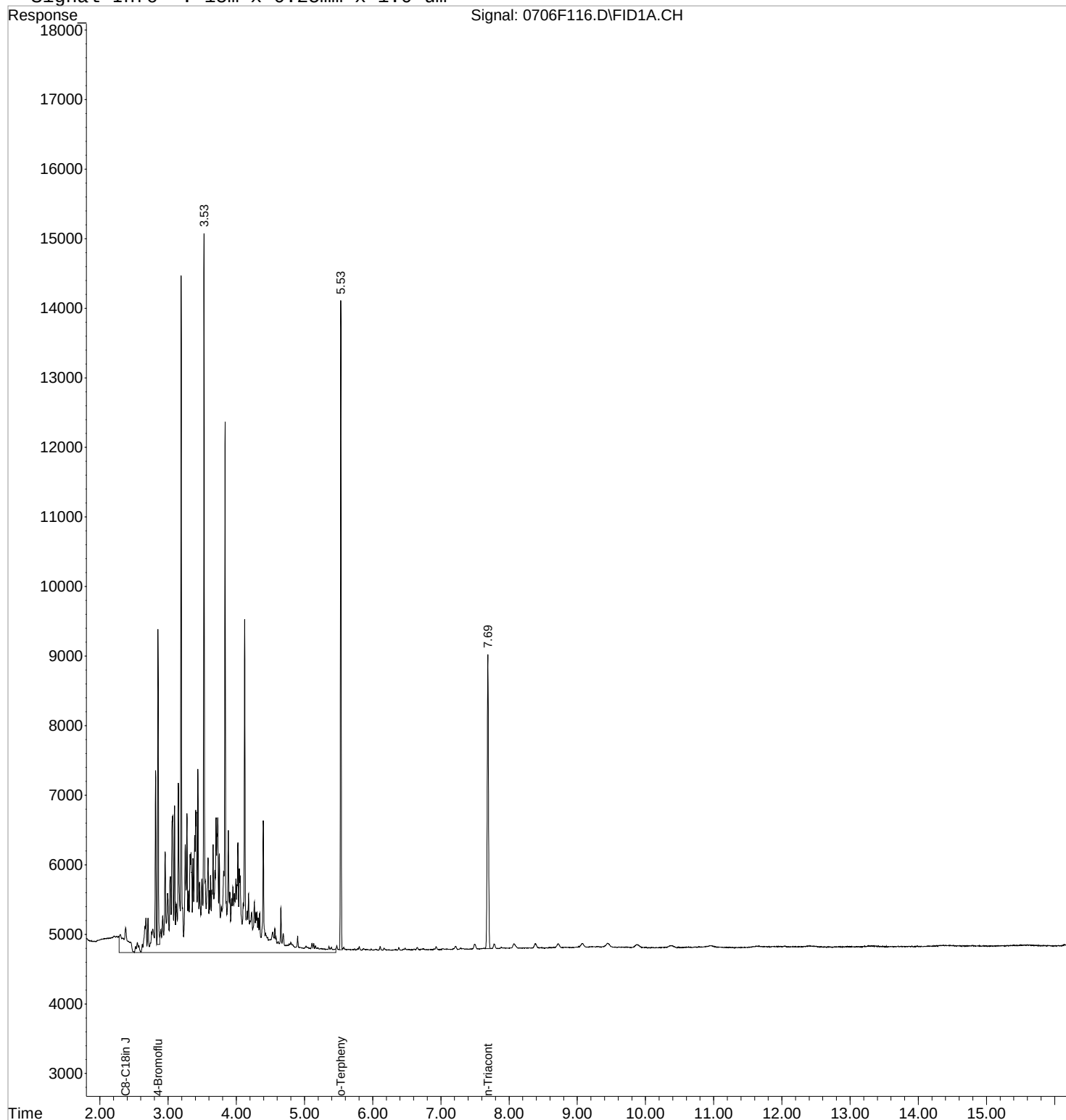
Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S 4-Bromofluorobenzene	2.85	3492	2.813 ppm
Spiked Amount 50.000	Recovery	=	5.63%
2) S o-Terphenyl	5.53	6923	2.822 ppm
Spiked Amount 50.000	Recovery	=	5.64%
3) S n-Triacontane	7.69	5726	2.801 ppm
Spiked Amount 50.000	Recovery	=	5.60%
Target Compounds			
4) H C8-C18in JP-8	2.38	109965	59.585 ppm

Data File : J:\GC21\DATA\070620F\0706F116.D Vial: 2
Acq On : 06 Jul 2020 1:18 pm Operator: TAP
Sample : JP8 SVF02-92D 50/2.5 Inst : GC21
Misc : Multiplr: 1.00
IntFile : rteint.p
Quant Time: Jul 6 15:39 2020 Quant Results File: 070620FJP8.RES

Quant Method : J:\GC21\METHODS\070620FJP8.M (RTE Integrator)
Title : JP-8 by GC/FID CAL16321
Last Update : Mon Jul 06 15:31:18 2020
Response via : Single Level Calibration
DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
Signal Phase : ZB-1
Signal Info : 15m x 0.25mm x 1.0 um



Data File : J:\GC21\DATA\070620F\0706F117.D Vial: 3
 Acq On : 06 Jul 2020 1:41 pm Operator: TAP
 Sample : JP8 SVF02-92C 200/10 Inst : GC21
 Misc : Multiplr: 1.00
 IntFile : rteint.p
 Quant Time: Jul 06 14:07:46 2020 Quant Results File: 070620FJP8.RES

Quant Method : J:\GC21\METHODS\070620FJP8.M (RTE Integrator)
 Title : JP-8 by GC/FID CAL16321
 Last Update : Mon Jul 06 13:19:31 2020
 Response via : Initial Calibration
 DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
 Signal Phase : ZB-1
 Signal Info : 15m x 0.25mm x 1.0 um

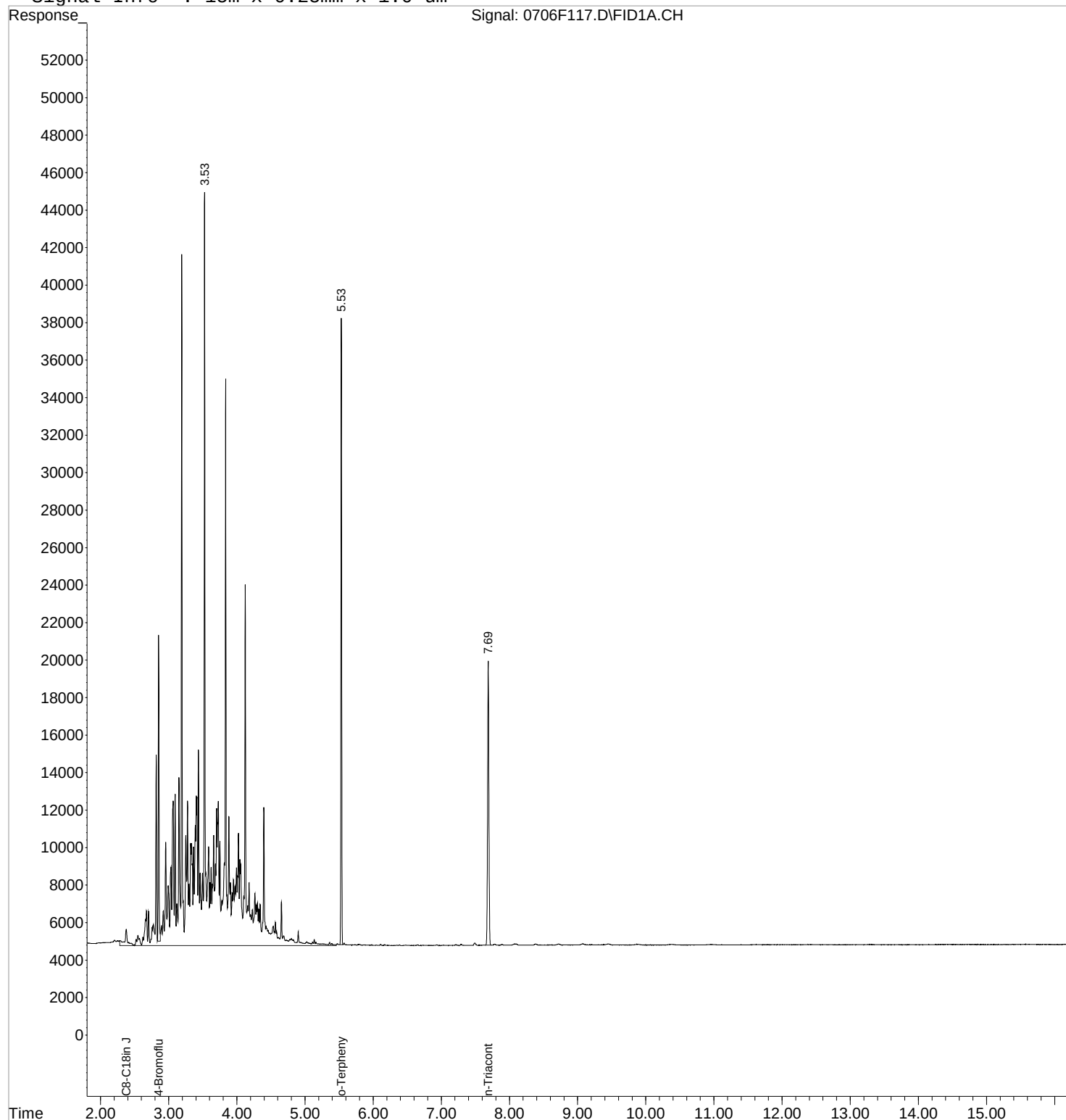
Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S 4-Bromofluorobenzene	2.85	12784	11.357 ppm
Spiked Amount 50.000	Recovery	=	22.71%
2) S o-Terphenyl	5.53	24992	11.184 ppm
Spiked Amount 50.000	Recovery	=	22.37%
3) S n-Triacontane	7.69	20690	11.718 ppm
Spiked Amount 50.000	Recovery	=	23.44%
Target Compounds			
4) H C8-C18in JP-8	2.38	400196	219.534 ppm

Data File : J:\GC21\DATA\070620F\0706F117.D Vial: 3
Acq On : 06 Jul 2020 1:41 pm Operator: TAP
Sample : JP8 SVF02-92C 200/10 Inst : GC21
Misc : Multiplr: 1.00
IntFile : rteint.p
Quant Time: Jul 6 14:11 2020 Quant Results File: 070620FJP8.RES

Quant Method : J:\GC21\METHODS\070620FJP8.M (RTE Integrator)
Title : JP-8 by GC/FID CAL16321
Last Update : Mon Jul 06 13:19:31 2020
Response via : Single Level Calibration
DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
Signal Phase : ZB-1
Signal Info : 15m x 0.25mm x 1.0 um



Data File : J:\GC21\DATA\070620F\0706F118.D Vial: 4
 Acq On : 06 Jul 2020 2:03 pm Operator: TAP
 Sample : JP8 SVF02-92B 500/25 Inst : GC21
 Misc : Multiplr: 1.00
 IntFile : rteint.p
 Quant Time: Jul 06 14:20:27 2020 Quant Results File: 070620FJP8.RES

Quant Method : J:\GC21\METHODS\070620FJP8.M (RTE Integrator)
 Title : JP-8 by GC/FID CAL16321
 Last Update : Mon Jul 06 13:19:31 2020
 Response via : Initial Calibration
 DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
 Signal Phase : ZB-1
 Signal Info : 15m x 0.25mm x 1.0 um

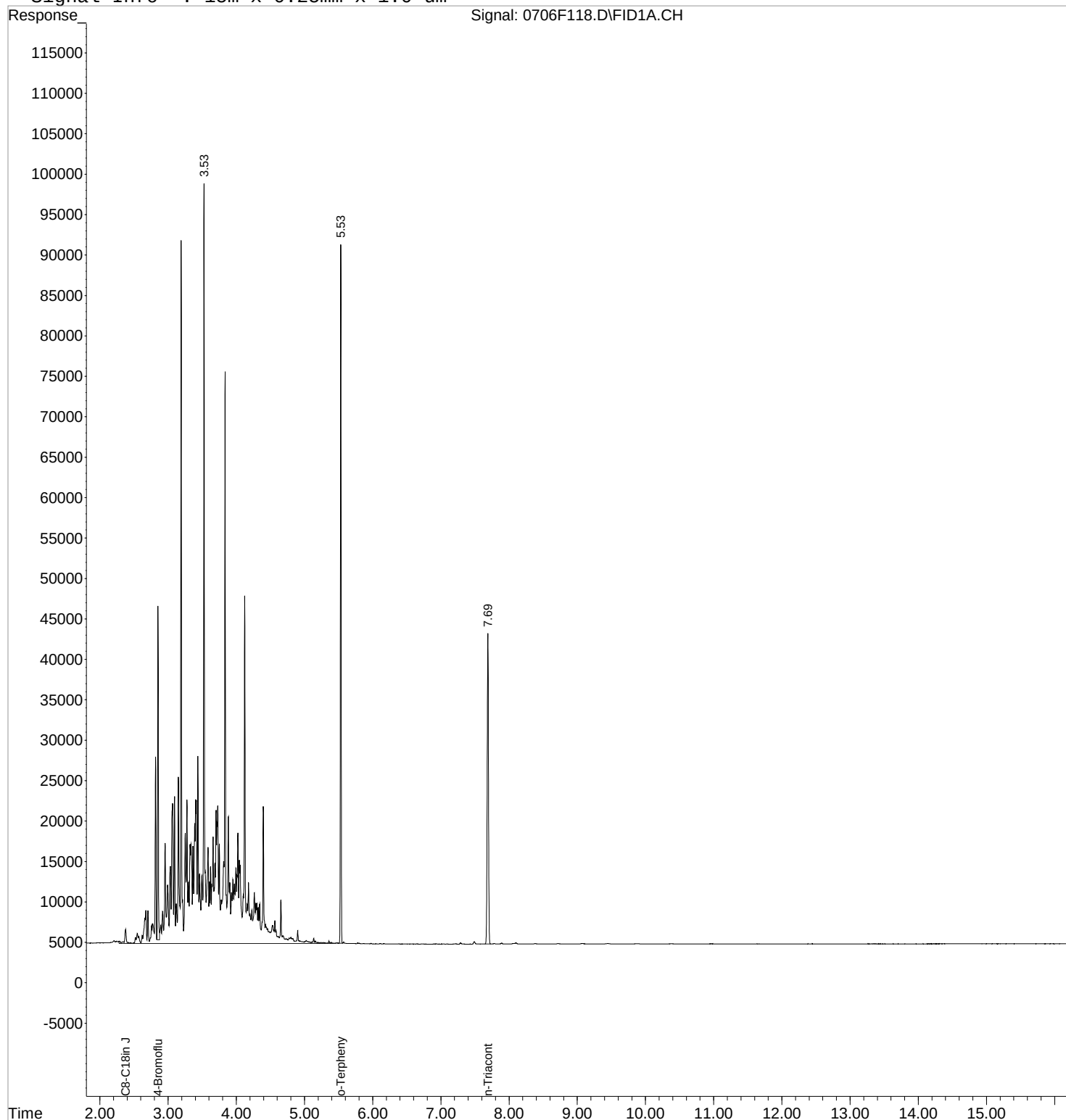
Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S 4-Bromofluorobenzene	2.85	31548	28.027 ppm
Spiked Amount 50.000	Recovery	=	56.05%
2) S o-Terphenyl	5.53	62590	28.009 ppm
Spiked Amount 50.000	Recovery	=	56.02%
3) S n-Triacontane	7.69	52301	29.621 ppm
Spiked Amount 50.000	Recovery	=	59.24%
Target Compounds			
4) H C8-C18in JP-8	2.38	899094	493.212 ppm

Data File : J:\GC21\DATA\070620F\0706F118.D Vial: 4
Acq On : 06 Jul 2020 2:03 pm Operator: TAP
Sample : JP8 SVF02-92B 500/25 Inst : GC21
Misc : Multiplr: 1.00
IntFile : rteint.p
Quant Time: Jul 6 14:21 2020 Quant Results File: 070620FJP8.RES

Quant Method : J:\GC21\METHODS\070620FJP8.M (RTE Integrator)
Title : JP-8 by GC/FID CAL16321
Last Update : Mon Jul 06 13:19:31 2020
Response via : Single Level Calibration
DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
Signal Phase : ZB-1
Signal Info : 15m x 0.25mm x 1.0 um



Data File : J:\GC21\DATA\070620F\0706F119.D Vial: 5
 Acq On : 06 Jul 2020 2:26 pm Operator: TAP
 Sample : JP8 SVF02-92A 2000/100 Inst : GC21
 Misc : Multiplr: 1.00
 IntFile : rteint.p
 Quant Time: Jul 06 14:43:22 2020 Quant Results File: 070620FJP8.RES

Quant Method : J:\GC21\METHODS\070620FJP8.M (RTE Integrator)
 Title : JP-8 by GC/FID CAL16321
 Last Update : Mon Jul 06 13:19:31 2020
 Response via : Initial Calibration
 DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
 Signal Phase : ZB-1
 Signal Info : 15m x 0.25mm x 1.0 um

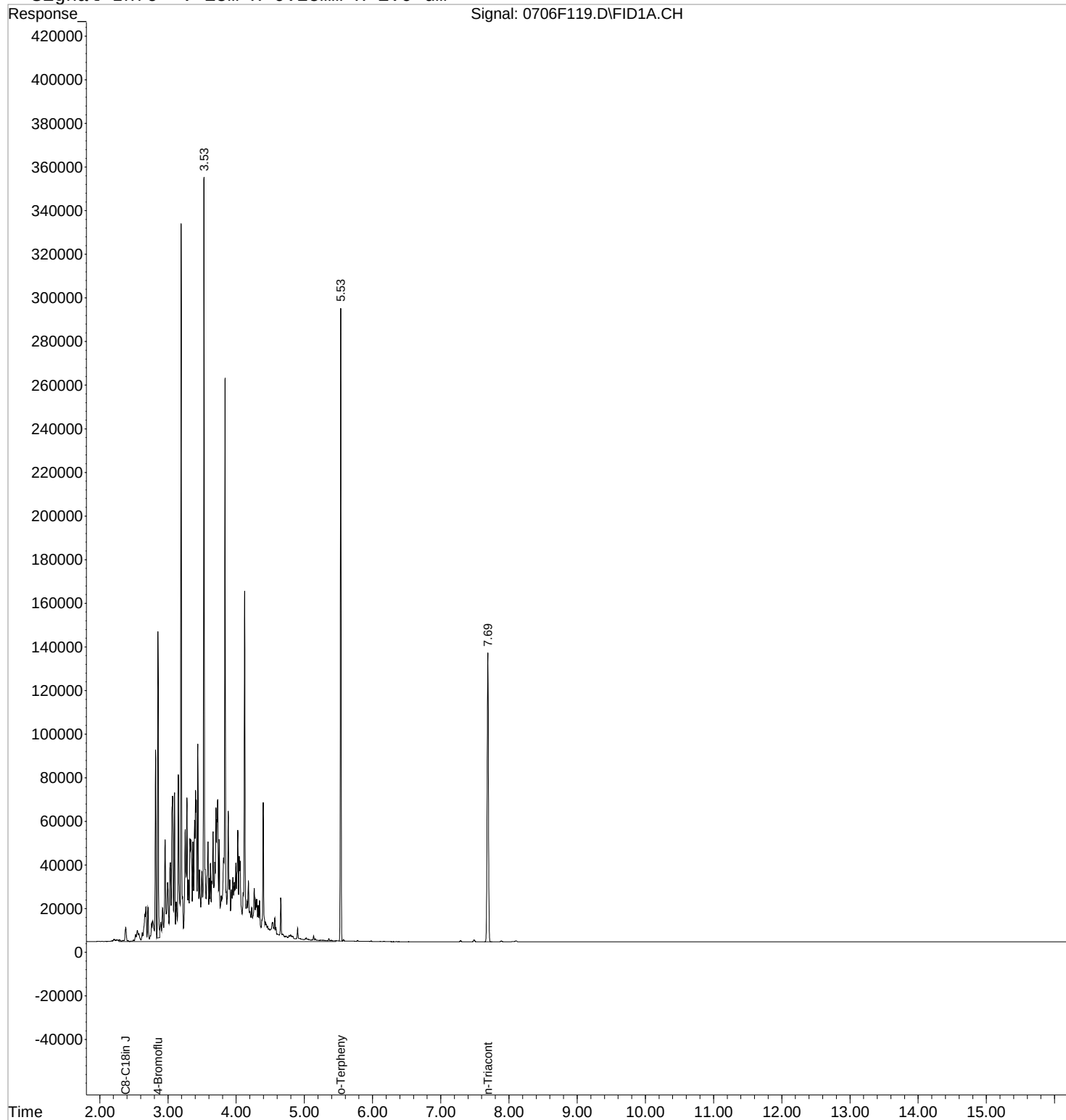
Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S 4-Bromofluorobenzene	2.85	111293	98.872 ppm
Spiked Amount 50.000	Recovery	=	197.74%
2) S o-Terphenyl	5.53	216949	97.085 ppm
Spiked Amount 50.000	Recovery	=	194.17%
3) S n-Triacontane	7.69	181156	102.601 ppm
Spiked Amount 50.000	Recovery	=	205.20%
Target Compounds			
4) H C8-C18in JP-8	2.38	3423048	1877.767 ppm

Data File : J:\GC21\DATA\070620F\0706F119.D Vial: 5
Acq On : 06 Jul 2020 2:26 pm Operator: TAP
Sample : JP8 SVF02-92A 2000/100 Inst : GC21
Misc : Multiplr: 1.00
IntFile : rteint.p
Quant Time: Jul 6 14:44 2020 Quant Results File: 070620FJP8.RES

Quant Method : J:\GC21\METHODS\070620FJP8.M (RTE Integrator)
Title : JP-8 by GC/FID CAL16321
Last Update : Mon Jul 06 13:19:31 2020
Response via : Single Level Calibration
DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
Signal Phase : ZB-1
Signal Info : 15m x 0.25mm x 1.0 um



Data File : J:\GC21\DATA\070620F\0706F120.D Vial: 6
 Acq On : 06 Jul 2020 2:48 pm Operator: TAP
 Sample : JP8 SVF02-91K 5000/250 Inst : GC21
 Misc : Multiplr: 1.00
 IntFile : rteint.p
 Quant Time: Jul 06 15:08:18 2020 Quant Results File: 070620FJP8.RES

Quant Method : J:\GC21\METHODS\070620FJP8.M (RTE Integrator)
 Title : JP-8 by GC/FID CAL16321
 Last Update : Mon Jul 06 14:58:41 2020
 Response via : Initial Calibration
 DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
 Signal Phase : ZB-1
 Signal Info : 15m x 0.25mm x 1.0 um

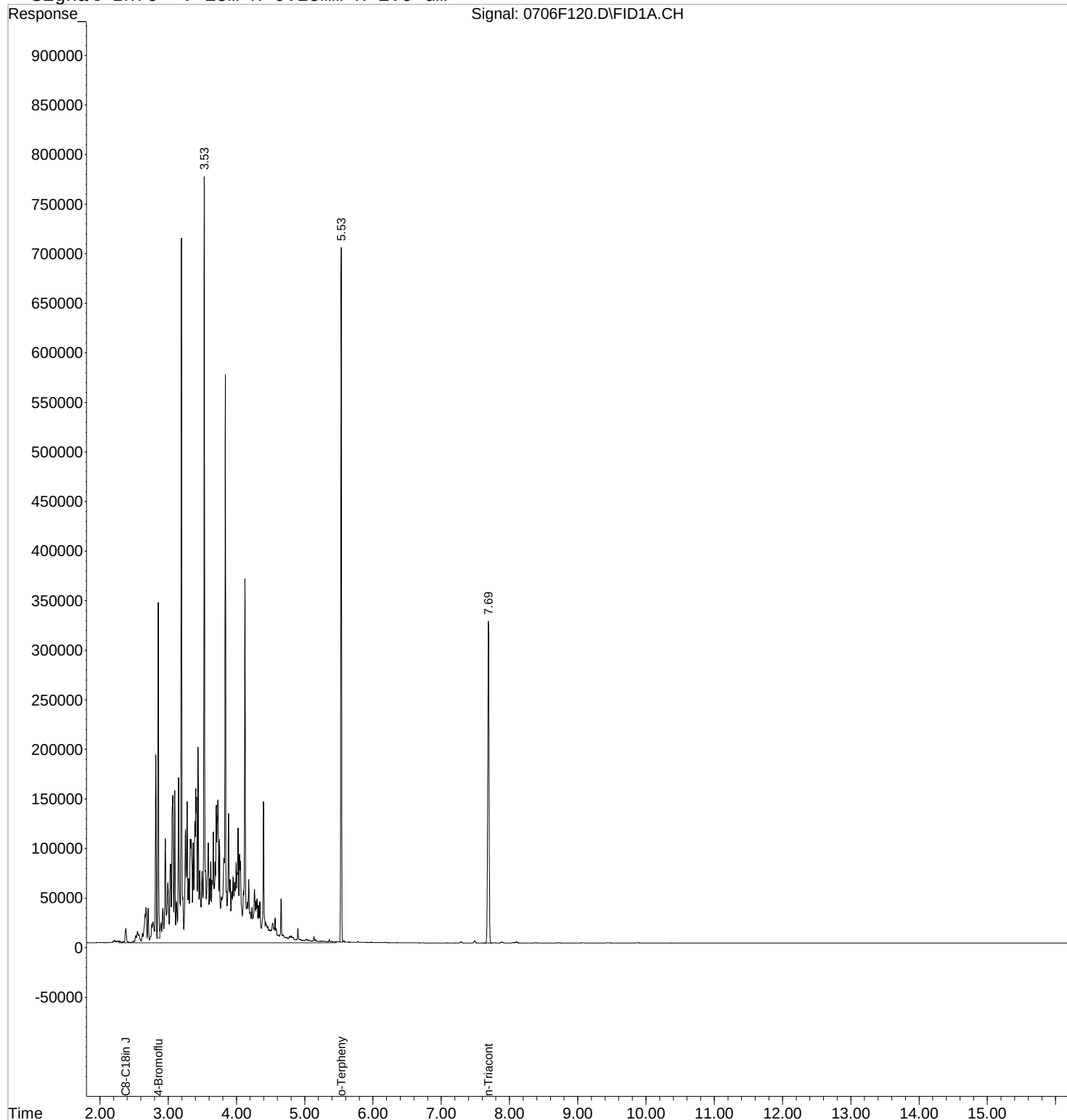
Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S 4-Bromofluorobenzene	2.85	266402	215.740 ppm
Spiked Amount 50.000	Recovery	=	431.48%
2) S o-Terphenyl	5.53	527561	216.269 ppm
Spiked Amount 50.000	Recovery	=	432.54%
3) S n-Triacontane	7.69	445873	220.575 ppm
Spiked Amount 50.000	Recovery	=	441.15%
Target Compounds			
4) H C8-C18in JP-8	2.38	7633778	3997.428 ppm

Data File : J:\GC21\DATA\070620F\0706F120.D Vial: 6
Acq On : 06 Jul 2020 2:48 pm Operator: TAP
Sample : JP8 SVF02-91K 5000/250 Inst : GC21
Misc : Multiplr: 1.00
IntFile : rteint.p
Quant Time: Jul 6 15:08 2020 Quant Results File: 070620FJP8.RES

Quant Method : J:\GC21\METHODS\070620FJP8.M (RTE Integrator)
Title : JP-8 by GC/FID CAL16321
Last Update : Mon Jul 06 14:58:41 2020
Response via : Single Level Calibration
DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
Signal Phase : ZB-1
Signal Info : 15m x 0.25mm x 1.0 um



Data File : J:\GC21\DATA\070620F\0706F121.D Vial: 7
Acq On : 06 Jul 2020 3:11 pm Operator: TAP
Sample : JP8 SVF02-91J 20,000 Inst : GC21
Misc : Multiplr: 1.00
IntFile : rteint.p
Quant Time: Jul 06 15:30:43 2020 Quant Results File: 070620FJP8.RES

Quant Method : J:\GC21\METHODS\070620FJP8.M (RTE Integrator)
Title : JP-8 by GC/FID CAL16321
Last Update : Mon Jul 06 15:30:10 2020
Response via : Initial Calibration
DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
Signal Phase : ZB-1
Signal Info : 15m x 0.25mm x 1.0 um

Compound	R.T.	Response	Conc Units
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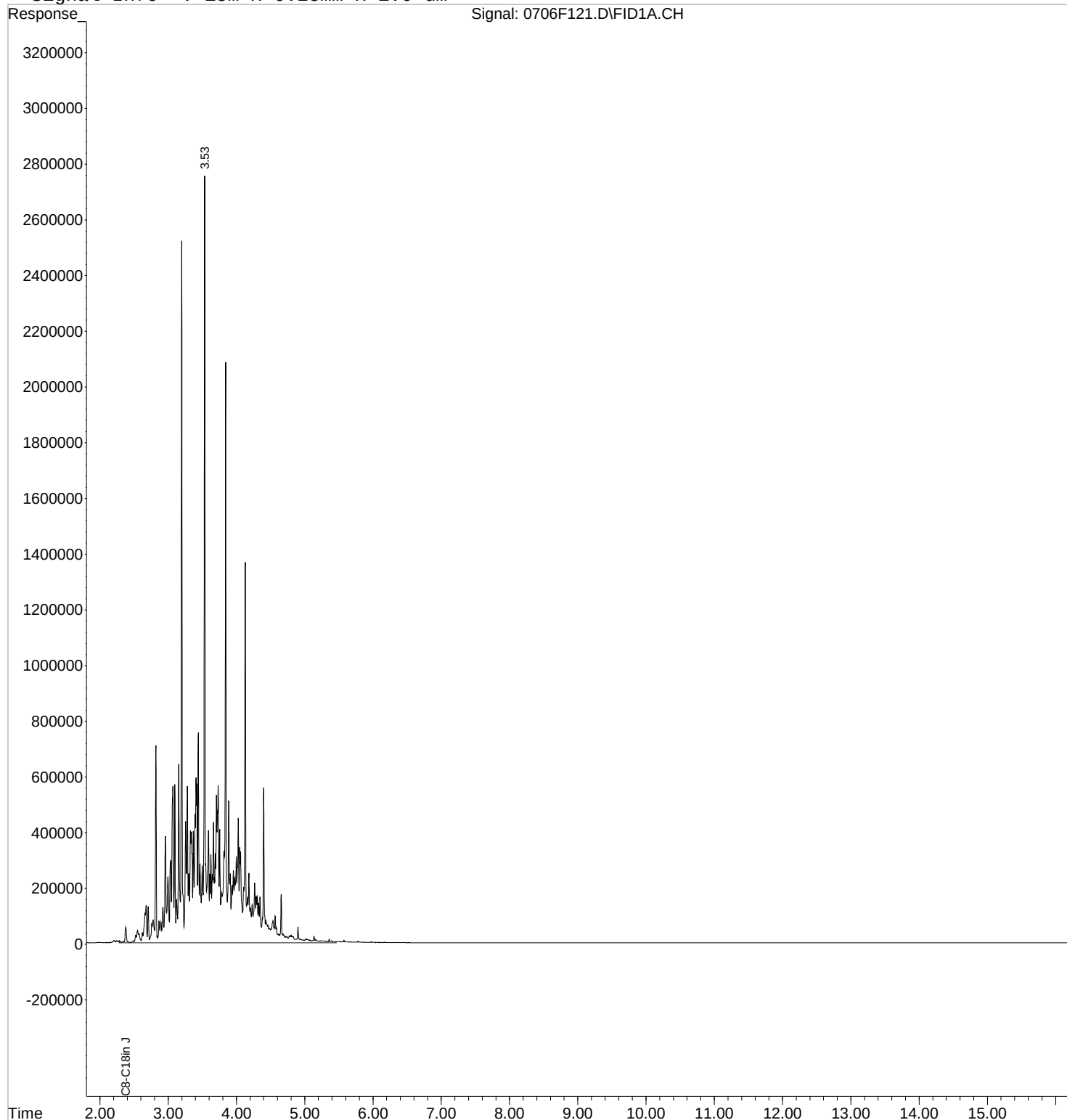
System Monitoring Compounds

Target Compounds			
4) H C8-C18in JP-8	2.38	29566419	15873.679 ppm

Data File : J:\GC21\DATA\070620F\0706F121.D Vial: 7
Acq On : 06 Jul 2020 3:11 pm Operator: TAP
Sample : JP8 SVF02-91J 20,000 Inst : GC21
Misc : Multiplr: 1.00
IntFile : rteint.p
Quant Time: Jul 6 15:31 2020 Quant Results File: 070620FJP8.RES

Quant Method : J:\GC21\METHODS\070620FJP8.M (RTE Integrator)
Title : JP-8 by GC/FID CAL16321
Last Update : Mon Jul 06 15:30:10 2020
Response via : Single Level Calibration
DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
Signal Phase : ZB-1
Signal Info : 15m x 0.25mm x 1.0 um



Data File : J:\GC21\DATA\070620F\0706F122.D Vial: 8
Acq On : 06 Jul 2020 3:34 pm Operator: TAP
Sample : JP8 SVF02-91I 50,000 Inst : GC21
Misc : Multiplr: 1.00
IntFile : rteint.p
Quant Time: Jul 06 15:59:12 2020 Quant Results File: 070620FJP8.RES

Quant Method : J:\GC21\METHODS\070620FJP8.M (RTE Integrator)
Title : JP-8 by GC/FID CAL16321
Last Update : Mon Jul 06 15:46:00 2020
Response via : Initial Calibration
DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
Signal Phase : ZB-1
Signal Info : 15m x 0.25mm x 1.0 um

Compound	R.T.	Response	Conc Units
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System Monitoring Compounds

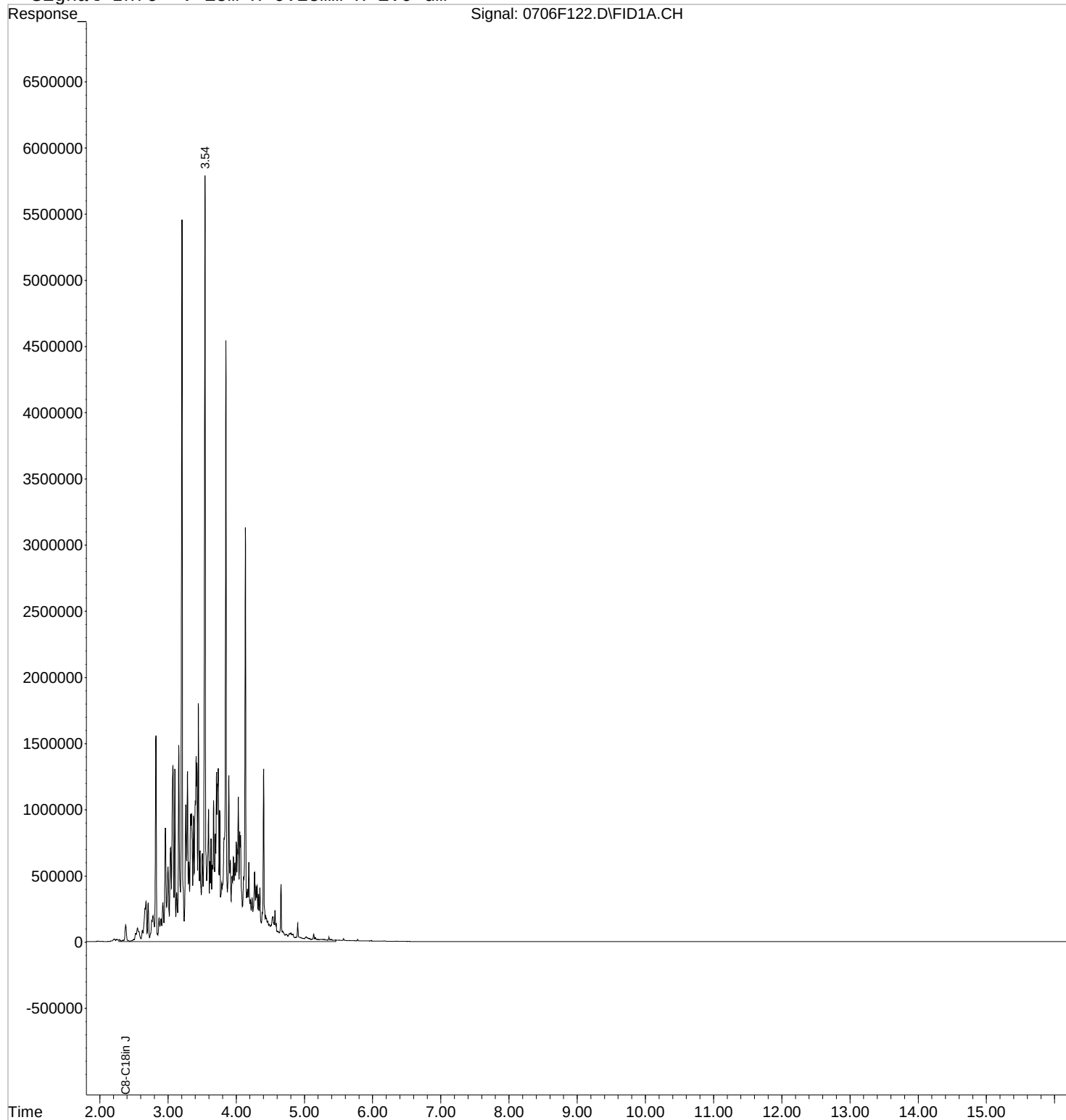
Target Compounds

4) H C8-C18in JP-8	2.38	72366848	41344.201 ppm
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Data File : J:\GC21\DATA\070620F\0706F122.D Vial: 8
Acq On : 06 Jul 2020 3:34 pm Operator: TAP
Sample : JP8 SVF02-91I 50,000 Inst : GC21
Misc : Multiplr: 1.00
IntFile : rteint.p
Quant Time: Jul 6 15:59 2020 Quant Results File: 070620FJP8.RES

Quant Method : J:\GC21\METHODS\070620FJP8.M (RTE Integrator)
Title : JP-8 by GC/FID CAL16321
Last Update : Mon Jul 06 15:46:00 2020
Response via : Single Level Calibration
DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
Signal Phase : ZB-1
Signal Info : 15m x 0.25mm x 1.0 um



Data File : J:\GC21\DATA\070620F\0706F124.D Vial: 86
Acq On : 06 Jul 2020 4:19 pm Operator: TAP
Sample : IB Inst : GC21
Misc : Multiplr: 1.00
IntFile : rteint.p
Quant Time: Jul 07 07:11:39 2020 Quant Results File: 070620FJP8.RES

Quant Method : J:\GC21\METHODS\070620FJP8.M (RTE Integrator)
Title : JP-8 by GC/FID CAL16321
Last Update : Tue Jul 07 07:03:12 2020
Response via : Initial Calibration
DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
Signal Phase : ZB-1
Signal Info : 15m x 0.25mm x 1.0 um

Compound	R.T.	Response	Conc Units
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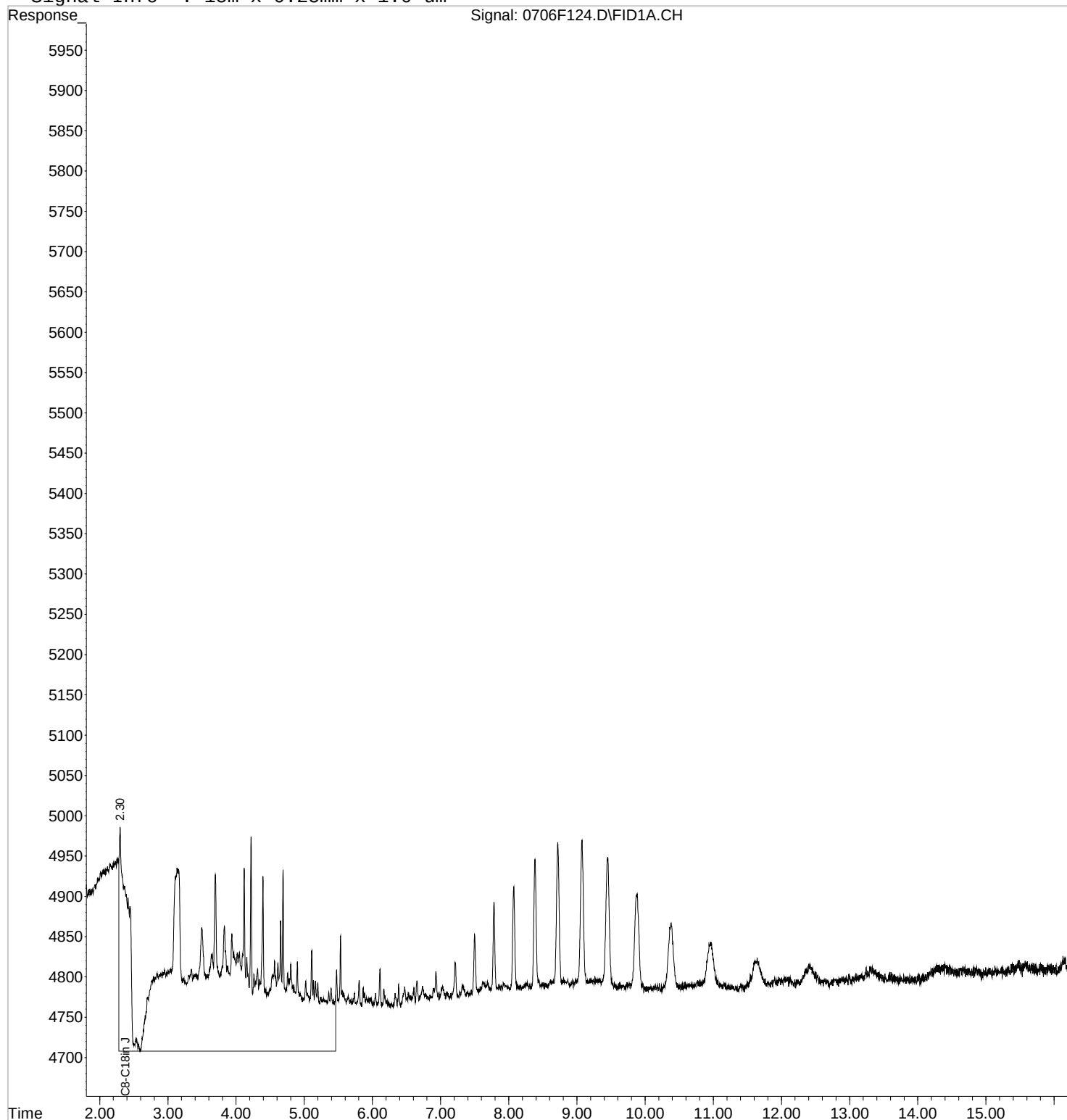
System Monitoring Compounds

Target Compounds			
4) H C8-C18in JP-8	2.38	18891	10.873 ppm

Data File : J:\GC21\DATA\070620F\0706F124.D Vial: 86
Acq On : 06 Jul 2020 4:19 pm Operator: TAP
Sample : IB Inst : GC21
Misc : Multiplr: 1.00
IntFile : rteint.p
Quant Time: Jul 7 7:11 2020 Quant Results File: 070620FJP8.RES

Quant Method : J:\GC21\METHODS\070620FJP8.M (RTE Integrator)
Title : JP-8 by GC/FID CAL16321
Last Update : Tue Jul 07 07:03:12 2020
Response via : Single Level Calibration
DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
Signal Phase : ZB-1
Signal Info : 15m x 0.25mm x 1.0 um



Data File : J:\GC21\DATA\070620F\0706F125.D Vial: 9
Acq On : 06 Jul 2020 4:41 pm Operator: TAP
Sample : JP8 SVF02-92F ICV @1000 Inst : GC21
Misc : Multiplr: 1.00
IntFile : rteint.p
Quant Time: Jul 07 07:03:35 2020 Quant Results File: 070620FJP8.RES

Quant Method : J:\GC21\METHODS\070620FJP8.M (RTE Integrator)
Title : JP-8 by GC/FID CAL16321
Last Update : Tue Jul 07 07:03:12 2020
Response via : Initial Calibration
DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
Signal Phase : ZB-1
Signal Info : 15m x 0.25mm x 1.0 um

Compound	R.T.	Response	Conc Units
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System Monitoring Compounds

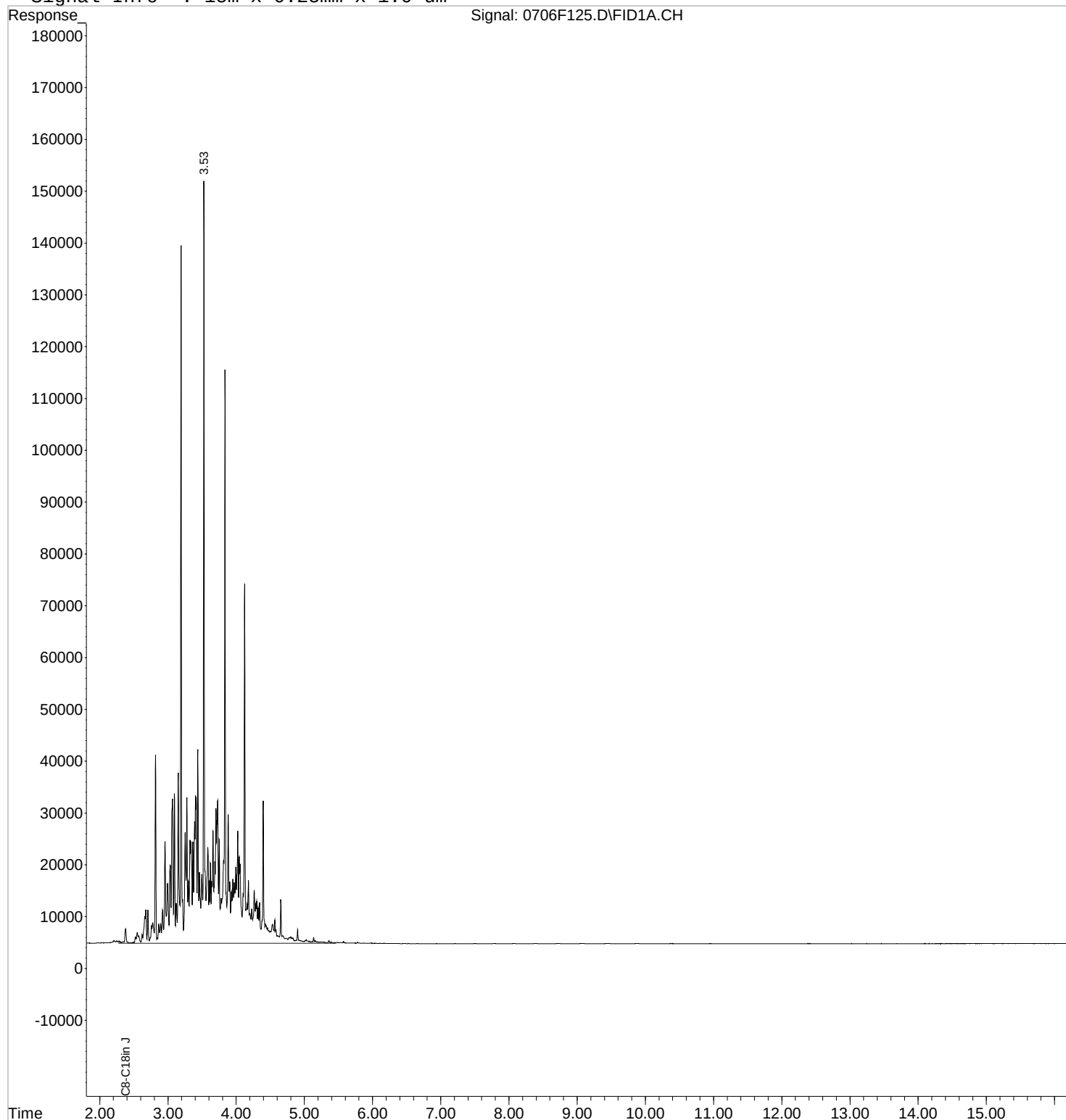
Target Compounds

4) H C8-C18in JP-8	2.38	1428228	822.008 ppm
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Data File : J:\GC21\DATA\070620F\0706F125.D Vial: 9
Acq On : 06 Jul 2020 4:41 pm Operator: TAP
Sample : JP8 SVF02-92F ICV @1000 Inst : GC21
Misc : Multiplr: 1.00
IntFile : rteint.p
Quant Time: Jul 7 7:03 2020 Quant Results File: 070620FJP8.RES

Quant Method : J:\GC21\METHODS\070620FJP8.M (RTE Integrator)
Title : JP-8 by GC/FID CAL16321
Last Update : Tue Jul 07 07:03:12 2020
Response via : Single Level Calibration
DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
Signal Phase : ZB-1
Signal Info : 15m x 0.25mm x 1.0 um



Injection Log

Directory: J:\GC21\DATA\070620F

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	90	0706F101.D	1.	DCM		07/06/2020 6:57:4
2	90	0706F102.D	1.	DCM		07/06/2020 7:19:5
3	90	0706F103.D	1.	DCM		07/06/2020 7:42:2
4	90	0706F104.D	1.	DCM		07/06/2020 8:04:5
5	90	0706F105.D	1.	DCM		07/06/2020 8:27:2
6	90	0706F106.D	1.	DCM		07/06/2020 8:49:5
7	90	0706F107.D	1.	DCM		07/06/2020 9:12:3
8	90	0706F108.D	1.	IB		07/06/2020 9:35:0
9	90	0706F109.D	1.	IB		07/06/2020 9:57:4
10	90	0706F110.D	1.	IB		07/06/2020 10:20:2
11	90	0706F111.D	1.	IB		07/06/2020 10:42:5
12	99	0706F112.D	1.	MC252		07/06/2020 11:48:2
13	91	0706F113.D	1.	ALIPHATICS		07/06/2020 12:10:5
14	86	0706F114.D	1.	ICAL BLANK		07/06/2020 12:33:2
15	1	0706F115.D	1.	JP8 SVF02-92E 20/1.0		07/06/2020 12:56:0
16	2	0706F116.D	1.	JP8 SVF02-92D 50/2.5		07/06/2020 1:18:3
17	3	0706F117.D	1.	JP8 SVF02-92C 200/10		07/06/2020 1:41:0
18	4	0706F118.D	1.	JP8 SVF02-92B 500/25		07/06/2020 2:03:4
19	5	0706F119.D	1.	JP8 SVF02-92A 2000/100		07/06/2020 2:26:1
20	6	0706F120.D	1.	JP8 SVF02-91K 5000/250		07/06/2020 2:48:4
21	7	0706F121.D	1.	JP8 SVF02-91J 20,000		07/06/2020 3:11:2
22	8	0706F122.D	1.	JP8 SVF02-91I 50,000		07/06/2020 3:34:0
23	90	0706F123.D	1.	IB		07/06/2020 3:56:3
24	86	0706F124.D	1.	IB		07/06/2020 4:19:1
25	9	0706F125.D	1.	JP8 SVF02-92F ICV @1000		07/06/2020 4:41:4
26	90	0706F126.D	1.	IB		07/06/2020 5:04:1
27	90	0706F127.D	1.	IB		07/06/2020 5:26:4
28	86	0706F128.D	1.	ICAL BLANK		07/06/2020 5:49:1
29	10	0706F129.D	1.	DRO SVF02-93C 20/1.0		07/06/2020 6:11:4
30	11	0706F130.D	1.	DRO SVF02-93B 50/2.5		07/06/2020 6:34:2
31	12	0706F131.D	1.	DRO SVF02-93A 200/10		07/06/2020 6:56:5
32	13	0706F132.D	1.	DRO SVF02-92K 500/25		07/06/2020 7:19:1
33	14	0706F133.D	1.	DRO SVF02-92J 2000/100		07/06/2020 7:41:5
34	15	0706F134.D	1.	DRO SVF02-92I 5000/250		07/06/2020 8:04:1
35	16	0706F135.D	1.	DRO SVF02-92H 20,000 <i>R/R</i>		07/06/2020 8:26:4
36	17	0706F136.D	1.	DRO SVF02-92G 50,000 <i>R/R</i>		07/06/2020 8:49:2
37	90	0706F137.D	1.	IB		07/06/2020 9:11:5
38	86	0706F138.D	1.	IB		07/06/2020 9:34:1
39	18	0706F139.D	1.	DRO SVF02-93D ICV@1000 <i>R/R</i>		07/06/2020 9:56:4
40	86	0706F140.D	1.	IB		07/06/2020 10:19:1
41	19	0706F141.D	1.	DRO SVF02-93E ICV CHECK@1000 AMP.		07/06/2020 10:41:4
42	90	0706F143.D	1.	IB		07/06/2020 11:04:1
43	90	0706F144.D	1.	IB		07/06/2020 11:26:3
44	86	0706F145.D	1.	ICAL BLANK		07/06/2020 11:49:0
45	20	0706F146.D	1.	RRO SVF02-93J 50		07/07/2020 12:11:3
46	21	0706F147.D	1.	RRO SVF02-93I 200		07/07/2020 12:33:5
47	22	0706F148.D	1.	RRO SVF02-93H 500		07/07/2020 12:56:2
48	23	0706F149.D	1.	RRO SVF02-93G 2000		07/07/2020 1:18:5
49	24	0706F150.D	1.	RRO SVF02-93F 5000		07/07/2020 1:41:2
50	86	0706F151.D	1.	IB		07/07/2020 2:03:5
51	25	0706F152.D	1.	RRO SVF02-93K ICV@1000		07/07/2020 2:26:2
52	90	0706F153.D	1.	IB		07/07/2020 2:48:4
53	90	0706F154.D	1.	IB		07/07/2020 3:11:1
54	86	0706F156.D	1.	ICAL BLANK		07/07/2020 3:33:4

CAL16326

Injection Log

Directory: J:\GC21\DATA\070620F

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
55	26	0706F157.D	1.	AK103 SVF02-94B 50		07/07/22020 3:56:1
56	27	0706F158.D	1.	AK103 SVF02-94A 200		07/07/22020 4:18:3
57	28	0706F159.D	1.	AK103 SVF02-93N 500		07/07/22020 4:41:0
58	29	0706F160.D	1.	AK103 SVF02-93M 2000		07/07/22020 5:03:2
59	30	0706F161.D	1.	AK103 SVF02-93L 5000		07/07/22020 5:25:5
60	86	0706F162.D	1.	IB		07/07/22020 5:48:2
61	31	0706F163.D	1.	AK103 SVF02-94C ICV@1000		07/07/22020 6:10:5
62	90	0706F164.D	1.	IB		07/07/22020 6:33:2
63	90	0706F165.D	1.	IB		07/07/22020 6:56:0
64	90	0706F166.D	1.	IB		07/07/22020 7:18:3
65	17	0706F167.D	1.	DRO SVF02-92G 50,000		07/07/22020 7:41:0
66	16	0706F168.D	1.	DRO SVF02-92H 20,000		07/07/22020 8:03:4
67	86	0706F169.D	1.	IB		07/07/22020 8:26:1
68	18	0706F170.D	1.	DRO SVF02-93D ICV@1000		07/07/22020 8:48:4

Initial Calibration - Summary Report

Calibration ID: CAL16326
Method ID: MJ257

Instrument ID: GC21
Column Name: ZB-1

Parameter Name	Type	Curve Fit	Min RF	Mean RF	Max %RSD	%RSD	Min COD	COD	MRL Check	Conc ½ Low pt.
4-Bromofluorobenzene	SURR	AverageRF		1.2E+3	20	11.3			NA	
o-Terphenyl	SURR	AverageRF		2.5E+3	20	12.0			NA	
n-Triacontane	SURR	AverageRF		2.0E+3	20	10.9			NA	
C10 - C25 DRO	MS	AverageRF		1.6E+3	20	15.4			OK	
Diesel Range Organics	MS	AverageRF		1.7E+3	20	17.5			OK	
Diesel Range Organics (DRO)	MS	AverageRF		1.3E+3	20	14.8			OK	
Residual Range Organics (RRO)	MS	AverageRF		9.2E+2	20	6.9			OK	
C25 - C36 RRO	MS	AverageRF		8.7E+2	20	6.3			OK	

Initial Calibration - Detailed Report

Calibration ID: CAL16326
Method ID: MJ257

Instrument ID: GC21
Column Name: ZB-1
Calibration Fit: AverageRF

#	FileID	File Location	Acquisition Date	Quantitation Date	Last Updated
1	294076	J:\GC21\DATA\070620F\0706F129.D	07/06/2020 18:11	07/07/2020 07:17	07/07/2020 08:05
2	294077	J:\GC21\DATA\070620F\0706F130.D	07/06/2020 18:34	07/07/2020 07:19	07/07/2020 08:05
3	294078	J:\GC21\DATA\070620F\0706F131.D	07/06/2020 18:56	07/07/2020 07:20	07/07/2020 08:05
4	294079	J:\GC21\DATA\070620F\0706F132.D	07/06/2020 19:19	07/07/2020 07:21	07/07/2020 08:05
5	294080	J:\GC21\DATA\070620F\0706F133.D	07/06/2020 19:41	07/07/2020 07:22	07/07/2020 08:05
6	294081	J:\GC21\DATA\070620F\0706F134.D	07/06/2020 20:04	07/07/2020 07:23	07/07/2020 08:05
7	294082	J:\GC21\DATA\070620F\0706F146.D	07/07/2020 00:11	07/07/2020 07:35	07/07/2020 08:05
8	294083	J:\GC21\DATA\070620F\0706F147.D	07/07/2020 00:33	07/07/2020 07:36	07/07/2020 08:05
9	294084	J:\GC21\DATA\070620F\0706F148.D	07/07/2020 00:56	07/07/2020 07:36	07/07/2020 08:05
10	294085	J:\GC21\DATA\070620F\0706F149.D	07/07/2020 01:18	07/07/2020 07:38	07/07/2020 08:05
11	294086	J:\GC21\DATA\070620F\0706F150.D	07/07/2020 01:41	07/07/2020 07:39	07/07/2020 08:05
12	294088	J:\GC21\DATA\070620F\0706F157.D	07/07/2020 03:56	07/07/2020 07:47	07/07/2020 08:05
13	294089	J:\GC21\DATA\070620F\0706F158.D	07/07/2020 04:18	07/07/2020 07:48	07/07/2020 08:05
14	294090	J:\GC21\DATA\070620F\0706F159.D	07/07/2020 04:41	07/07/2020 07:49	07/07/2020 08:05
15	294091	J:\GC21\DATA\070620F\0706F160.D	07/07/2020 05:03	07/07/2020 07:50	07/07/2020 08:05
16	294092	J:\GC21\DATA\070620F\0706F161.D	07/07/2020 05:25	07/07/2020 07:52	07/07/2020 08:05
17	294094	J:\GC21\DATA\070620F\0706F167.D	07/07/2020 07:41	07/07/2020 07:58	07/07/2020 08:24
18	294095	J:\GC21\DATA\070620F\0706F168.D	07/07/2020 08:03	07/07/2020 08:23	07/07/2020 08:24

Parameter Name	#	RF	#	RF	#	RF	#	RF	#	RF	#	RF	Mean RF	%RSD
4-Bromofluorobenzene	1	1.3E+3	2	1.4E+3	3	1.2E+3	4	1.2E+3	5	1.1E+3	6	1.1E+3	1.2E+3	11.3
o-Terphenyl	1	2.7E+3	2	2.9E+3	3	2.4E+3	4	2.4E+3	5	2.2E+3	6	2.1E+3	2.5E+3	12.0
n-Triacontane	1	2.2E+3	2	2.3E+3	3	2.0E+3	4	2.0E+3	5	1.8E+3	6	1.8E+3	2.0E+3	10.9
C10 - C25 DRO	1	2.0E+3	2	1.9E+3	3	1.7E+3	4	1.6E+3	5	1.5E+3	6	1.4E+3	1.6E+3	15.4
									17	1.3E+3	18	1.4E+3		
Diesel Range Organics	1	2.2E+3	2	2.0E+3	3	1.7E+3	4	1.6E+3	5	1.6E+3	6	1.4E+3	1.7E+3	17.5
									17	1.4E+3	18	1.5E+3		
Diesel Range Organics (DRO)	1	1.7E+3	2	1.6E+3	3	1.4E+3	4	1.3E+3	5	1.3E+3	6	1.2E+3	1.3E+3	14.8
									17	1.1E+3	18	1.2E+3		
Residual Range Organics (RRO)													9.2E+2	6.9
	7	1.0E+3	8	9.5E+2	9	9.3E+2	10	8.7E+2	11	8.5E+2				
C25 - C36 RRO													8.7E+2	6.3
											12	9.2E+2		
	13	9.2E+2	14	8.7E+2	15	8.3E+2	16	8.0E+2						

Initial Calibration - Detailed Report

Calibration ID: CAL16326
Method ID: MJ257

Instrument ID: GC21
Column Name: ZB-1

#	FileID	File Location	Acquisition Date	Quantitation Date	Last Updated
1	294076	J:\GC21\DATA\070620F\0706F129.D	07/06/2020 18:11	07/07/2020 07:17	07/07/2020 08:05
2	294077	J:\GC21\DATA\070620F\0706F130.D	07/06/2020 18:34	07/07/2020 07:19	07/07/2020 08:05
3	294078	J:\GC21\DATA\070620F\0706F131.D	07/06/2020 18:56	07/07/2020 07:20	07/07/2020 08:05
4	294079	J:\GC21\DATA\070620F\0706F132.D	07/06/2020 19:19	07/07/2020 07:21	07/07/2020 08:05
5	294080	J:\GC21\DATA\070620F\0706F133.D	07/06/2020 19:41	07/07/2020 07:22	07/07/2020 08:05
6	294081	J:\GC21\DATA\070620F\0706F134.D	07/06/2020 20:04	07/07/2020 07:23	07/07/2020 08:05
7	294082	J:\GC21\DATA\070620F\0706F146.D	07/07/2020 00:11	07/07/2020 07:35	07/07/2020 08:05
8	294083	J:\GC21\DATA\070620F\0706F147.D	07/07/2020 00:33	07/07/2020 07:36	07/07/2020 08:05
9	294084	J:\GC21\DATA\070620F\0706F148.D	07/07/2020 00:56	07/07/2020 07:36	07/07/2020 08:05
10	294085	J:\GC21\DATA\070620F\0706F149.D	07/07/2020 01:18	07/07/2020 07:38	07/07/2020 08:05
11	294086	J:\GC21\DATA\070620F\0706F150.D	07/07/2020 01:41	07/07/2020 07:39	07/07/2020 08:05
12	294088	J:\GC21\DATA\070620F\0706F157.D	07/07/2020 03:56	07/07/2020 07:47	07/07/2020 08:05
13	294089	J:\GC21\DATA\070620F\0706F158.D	07/07/2020 04:18	07/07/2020 07:48	07/07/2020 08:05
14	294090	J:\GC21\DATA\070620F\0706F159.D	07/07/2020 04:41	07/07/2020 07:49	07/07/2020 08:05
15	294091	J:\GC21\DATA\070620F\0706F160.D	07/07/2020 05:03	07/07/2020 07:50	07/07/2020 08:05
16	294092	J:\GC21\DATA\070620F\0706F161.D	07/07/2020 05:25	07/07/2020 07:52	07/07/2020 08:05
17	294094	J:\GC21\DATA\070620F\0706F167.D	07/07/2020 07:41	07/07/2020 07:58	07/07/2020 08:24
18	294095	J:\GC21\DATA\070620F\0706F168.D	07/07/2020 08:03	07/07/2020 08:23	07/07/2020 08:24

Parameter Name	#	Cal Amt	Calc Conc	% D	#	Cal Amt	Calc Conc	% D	#	Cal Amt	Calc Conc	% D
4-Bromofluorobenzene	1	1	1.107	10.7	2	2.5	2.905	16.2	3	10	9.748	-2.5
	4	25	24.43	-2.3	5	100	90.74	-9.3	6	250	217.9	-12.8

o-Terphenyl	1	1	1.114	11.4	2	2.5	2.913	16.5	3	10	9.815	-1.8
	4	25	24.63	-1.5	5	100	89.89	-10.1	6	250	213.8	-14.5

n-Triacontane	1	1	1.106	10.6	2	2.5	2.867	14.7	3	10	9.848	-1.5
	4	25	24.77	-0.9	5	100	90.32	-9.7	6	250	217.1	-13.2

C10 - C25 DRO	1	20	25.16	25.8	2	50	59.21	18.4	3	200	210.9	5.4
	4	500	485.3	-2.9	5	2000	1902	-4.9	6	5000	4317	-13.7

17	50000	41920	-16.2	18	20000	17600	-12.0
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Initial Calibration - Detailed Report

Calibration ID: CAL16326
Method ID: MJ257

Instrument ID: GC21
Column Name: ZB-1

Parameter Name	#	Cal Amt	Calc Conc	% D	#	Cal Amt	Calc Conc	% D	#	Cal Amt	Calc Conc	% D
Diesel Range Organics	1	20	26.05	30.2	2	50	60.64	21.3	3	200	208.8	4.4
	4	500	477.6	-4.5	5	2000	1874	-6.3	6	5000	4259	-14.8
					17	50000	41380	-17.2	18	20000	17380	-13.1
Diesel Range Organics (DRO)	1	20	24.68	23.4	2	50	59.52	19.0	3	200	211.0	5.5
	4	500	487.1	-2.6	5	2000	1909	-4.6	6	5000	4329	-13.4
					17	50000	42150	-15.7	18	20000	17670	-11.6
Residual Range Organics (RRO)												
					7	50	54.72	9.4	8	200	206.1	3.0
					10	2000	1887	-5.7	11	5000	4610	-7.8
C25 - C36 RRO												
					12	50	53.18	6.4				
					13	200	211.1	5.6	14	500	502.2	0.4
					15	2000	1918	-4.1				
					16	5000	4588	-8.2				

Calibration ID: CAL16326
Method ID: MJ257

Instrument ID: GC21
Column Name: ZB-1

Parameter Name	Type	Curve Fit	Min RF	Mean RF	Max %RSD	%RSD	Min COD	COD	MRL Check	Conc ½ Low pt.
4-Bromofluorobenzene	SURR	AverageRF		1.2E+3	20	11.3			NA	
o-Terphenyl	SURR	AverageRF		2.5E+3	20	12.0			NA	
n-Triacontane	SURR	AverageRF		2.0E+3	20	10.9			NA	
C10 - C25 DRO	MS	AverageRF		1.6E+3	20	15.4			OK	
Diesel Range Organics	MS	AverageRF		1.7E+3	20	17.5			OK	
Diesel Range Organics (DRO)	MS	Linear		1.3E+3			0.99	0.9923	OK	5.52
Residual Range Organics (RRO)	MS	Linear		9.2E+2			0.99	0.9985	OK	20.90
C25 - C36 RRO	MS	AverageRF		8.7E+2	20	6.3			OK	

Initial Calibration - Detailed Report

Calibration ID: CAL16326
Method ID: MJ257

Instrument ID: GC21
Column Name: ZB-1
Calibration Fit: AverageRF

#	FileID	File Location	Acquisition Date	Quantitation Date	Last Updated
1	294076	J:\GC21\DATA\070620F\0706F129.D	07/06/2020 18:11	07/07/2020 07:17	07/07/2020 08:05
2	294077	J:\GC21\DATA\070620F\0706F130.D	07/06/2020 18:34	07/07/2020 07:19	07/07/2020 08:05
3	294078	J:\GC21\DATA\070620F\0706F131.D	07/06/2020 18:56	07/07/2020 07:20	07/07/2020 08:05
4	294079	J:\GC21\DATA\070620F\0706F132.D	07/06/2020 19:19	07/07/2020 07:21	07/07/2020 08:05
5	294080	J:\GC21\DATA\070620F\0706F133.D	07/06/2020 19:41	07/07/2020 07:22	07/07/2020 08:05
6	294081	J:\GC21\DATA\070620F\0706F134.D	07/06/2020 20:04	07/07/2020 07:23	07/07/2020 08:05
7	294082	J:\GC21\DATA\070620F\0706F146.D	07/07/2020 00:11	07/07/2020 07:35	07/07/2020 08:05
8	294083	J:\GC21\DATA\070620F\0706F147.D	07/07/2020 00:33	07/07/2020 07:36	07/07/2020 08:05
9	294084	J:\GC21\DATA\070620F\0706F148.D	07/07/2020 00:56	07/07/2020 07:36	07/07/2020 08:05
10	294085	J:\GC21\DATA\070620F\0706F149.D	07/07/2020 01:18	07/07/2020 07:38	07/07/2020 08:05
11	294086	J:\GC21\DATA\070620F\0706F150.D	07/07/2020 01:41	07/07/2020 07:39	07/07/2020 08:05
12	294088	J:\GC21\DATA\070620F\0706F157.D	07/07/2020 03:56	07/07/2020 07:47	07/07/2020 08:05
13	294089	J:\GC21\DATA\070620F\0706F158.D	07/07/2020 04:18	07/07/2020 07:48	07/07/2020 08:05
14	294090	J:\GC21\DATA\070620F\0706F159.D	07/07/2020 04:41	07/07/2020 07:49	07/07/2020 08:05
15	294091	J:\GC21\DATA\070620F\0706F160.D	07/07/2020 05:03	07/07/2020 07:50	07/07/2020 08:05
16	294092	J:\GC21\DATA\070620F\0706F161.D	07/07/2020 05:25	07/07/2020 07:52	07/07/2020 08:05
17	294094	J:\GC21\DATA\070620F\0706F167.D	07/07/2020 07:41	07/07/2020 07:58	07/07/2020 08:24
18	294095	J:\GC21\DATA\070620F\0706F168.D	07/07/2020 08:03	07/07/2020 08:23	07/07/2020 08:24

Parameter Name	#	RF	#	RF	#	RF	#	RF	#	RF	#	RF	Mean RF	%RSD
4-Bromofluorobenzene	1	1.3E+3	2	1.4E+3	3	1.2E+3	4	1.2E+3	5	1.1E+3	6	1.1E+3	1.2E+3	11.3
o-Terphenyl	1	2.7E+3	2	2.9E+3	3	2.4E+3	4	2.4E+3	5	2.2E+3	6	2.1E+3	2.5E+3	12.0
n-Triacontane	1	2.2E+3	2	2.3E+3	3	2.0E+3	4	2.0E+3	5	1.8E+3	6	1.8E+3	2.0E+3	10.9
C10 - C25 DRO	1	2.0E+3	2	1.9E+3	3	1.7E+3	4	1.6E+3	5	1.5E+3	6	1.4E+3	1.6E+3	15.4
Diesel Range Organics	1	2.2E+3	2	2.0E+3	3	1.7E+3	4	1.6E+3	5	1.6E+3	6	1.4E+3	1.7E+3	17.5
Diesel Range Organics (DRO)	1	1.7E+3	2	1.6E+3	3	1.4E+3	4	1.3E+3	5	1.3E+3	6	1.2E+3	1.3E+3	14.8#
Residual Range Organics (RRO)	7	1.0E+3	8	9.5E+2	9	9.3E+2	10	8.7E+2	11	8.5E+2			9.2E+2	6.9#
C25 - C36 RRO	13	9.2E+2	14	8.7E+2	15	8.3E+2	16	8.0E+2					8.7E+2	6.3

RSD Not Applicable. Compound being quantitated from curve. Included in Average RF summary for Average %RSD calculation.

Initial Calibration - Detailed Report

Calibration ID: CAL16326
Method ID: MJ257

Instrument ID: GC21
Column Name: ZB-1

#	FileID	File Location	Acquisition Date	Quantitation Date	Last Updated
1	294076	J:\GC21\DATA\070620F\0706F129.D	07/06/2020 18:11	07/07/2020 07:17	07/07/2020 08:05
2	294077	J:\GC21\DATA\070620F\0706F130.D	07/06/2020 18:34	07/07/2020 07:19	07/07/2020 08:05
3	294078	J:\GC21\DATA\070620F\0706F131.D	07/06/2020 18:56	07/07/2020 07:20	07/07/2020 08:05
4	294079	J:\GC21\DATA\070620F\0706F132.D	07/06/2020 19:19	07/07/2020 07:21	07/07/2020 08:05
5	294080	J:\GC21\DATA\070620F\0706F133.D	07/06/2020 19:41	07/07/2020 07:22	07/07/2020 08:05
6	294081	J:\GC21\DATA\070620F\0706F134.D	07/06/2020 20:04	07/07/2020 07:23	07/07/2020 08:05
7	294082	J:\GC21\DATA\070620F\0706F146.D	07/07/2020 00:11	07/07/2020 07:35	07/07/2020 08:05
8	294083	J:\GC21\DATA\070620F\0706F147.D	07/07/2020 00:33	07/07/2020 07:36	07/07/2020 08:05
9	294084	J:\GC21\DATA\070620F\0706F148.D	07/07/2020 00:56	07/07/2020 07:36	07/07/2020 08:05
10	294085	J:\GC21\DATA\070620F\0706F149.D	07/07/2020 01:18	07/07/2020 07:38	07/07/2020 08:05
11	294086	J:\GC21\DATA\070620F\0706F150.D	07/07/2020 01:41	07/07/2020 07:39	07/07/2020 08:05
12	294088	J:\GC21\DATA\070620F\0706F157.D	07/07/2020 03:56	07/07/2020 07:47	07/07/2020 08:05
13	294089	J:\GC21\DATA\070620F\0706F158.D	07/07/2020 04:18	07/07/2020 07:48	07/07/2020 08:05
14	294090	J:\GC21\DATA\070620F\0706F159.D	07/07/2020 04:41	07/07/2020 07:49	07/07/2020 08:05
15	294091	J:\GC21\DATA\070620F\0706F160.D	07/07/2020 05:03	07/07/2020 07:50	07/07/2020 08:05
16	294092	J:\GC21\DATA\070620F\0706F161.D	07/07/2020 05:25	07/07/2020 07:52	07/07/2020 08:05
17	294094	J:\GC21\DATA\070620F\0706F167.D	07/07/2020 07:41	07/07/2020 07:58	07/07/2020 08:24
18	294095	J:\GC21\DATA\070620F\0706F168.D	07/07/2020 08:03	07/07/2020 08:23	07/07/2020 08:24

Parameter Name	#	Cal Amt	Calc Conc	% D	#	Cal Amt	Calc Conc	% D	#	Cal Amt	Calc Conc	% D
4-Bromofluorobenzene	1	1	1.107	10.7	2	2.5	2.905	16.2	3	10	9.748	-2.5
	4	25	24.43	-2.3	5	100	90.74	-9.3	6	250	217.9	-12.8

o-Terphenyl	1	1	1.114	11.4	2	2.5	2.913	16.5	3	10	9.815	-1.8
	4	25	24.63	-1.5	5	100	89.89	-10.1	6	250	213.8	-14.5

n-Triacontane	1	1	1.106	10.6	2	2.5	2.867	14.7	3	10	9.848	-1.5
	4	25	24.77	-0.9	5	100	90.32	-9.7	6	250	217.1	-13.2

C10 - C25 DRO	1	20	25.16	25.8	2	50	59.21	18.4	3	200	210.9	5.4
	4	500	485.3	-2.9	5	2000	1902	-4.9	6	5000	4317	-13.7

17	50000	41920	-16.2	18	20000	17600	-12.0
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Initial Calibration - Detailed Report

Calibration ID: CAL16326
Method ID: MJ257

Instrument ID: GC21
Column Name: ZB-1

Parameter Name	#	Cal Amt	Calc Conc	% D	#	Cal Amt	Calc Conc	% D	#	Cal Amt	Calc Conc	% D
Diesel Range Organics	1	20	26.05	30.2	2	50	60.64	21.3	3	200	208.8	4.4
	4	500	477.6	-4.5	5	2000	1874	-6.3	6	5000	4259	-14.8
					17	50000	41380	-17.2	18	20000	17380	-13.1
Diesel Range Organics (DRO)	1	20	18.79	-6.1	2	50	56.25	12.5	3	200	219.1	9.6
	4	500	516.0	3.2	5	2000	2045	2.2	6	5000	4648	-7.0
					17	50000	45320	-9.4	18	20000	19000	-5.0
Residual Range Organics (RRO)												
	7	50	49.41	-1.2	8	200	207.1	3.6	9	500	518.6	3.7
	10	2000	1959	-2.1	11	5000	4797	-4.1				
C25 - C36 RRO												
									12	50	53.18	6.4
	13	200	211.1	5.6	14	500	502.2	0.4	15	2000	1918	-4.1
	16	5000	4588	-8.2								

Initial Calibration - Detailed Report

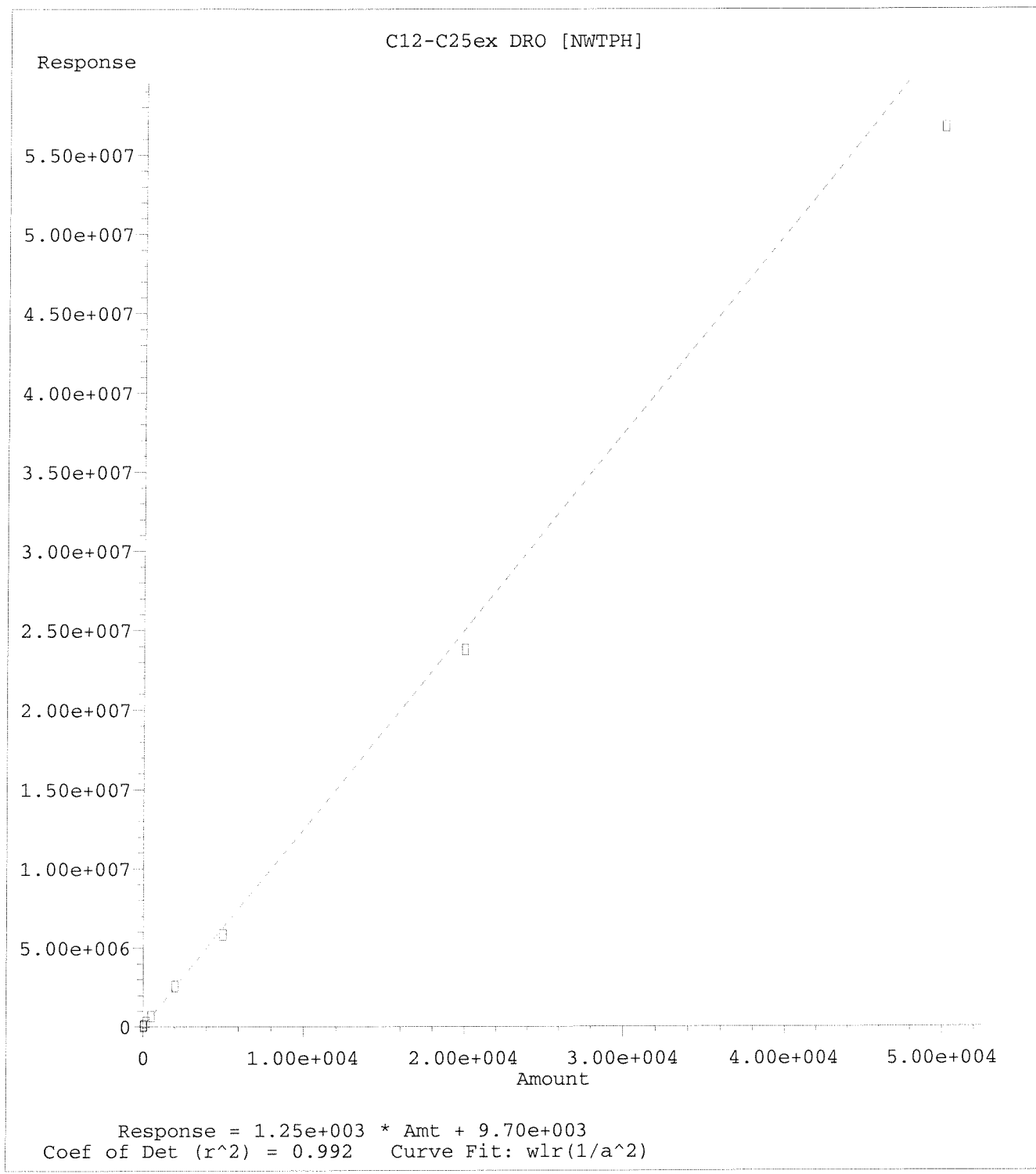
Calibration ID: CAL16326
Method ID: MJ257

Instrument ID: GC21
Column Name: ZB-1
Calibration Fit: Linear

FileID	File Location	Acquisition Date	Quantitation Date	Last Updated
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294077	J:\GC21\DATA\070620F\0706F130.D	07/06/2020 18:34	07/07/2020 07:19	07/07/2020 08:05
294078	J:\GC21\DATA\070620F\0706F131.D	07/06/2020 18:56	07/07/2020 07:20	07/07/2020 08:05
294079	J:\GC21\DATA\070620F\0706F132.D	07/06/2020 19:19	07/07/2020 07:21	07/07/2020 08:05
294080	J:\GC21\DATA\070620F\0706F133.D	07/06/2020 19:41	07/07/2020 07:22	07/07/2020 08:05
294081	J:\GC21\DATA\070620F\0706F134.D	07/06/2020 20:04	07/07/2020 07:23	07/07/2020 08:05
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294085	J:\GC21\DATA\070620F\0706F149.D	07/07/2020 01:18	07/07/2020 07:38	07/07/2020 08:05
294086	J:\GC21\DATA\070620F\0706F150.D	07/07/2020 01:41	07/07/2020 07:39	07/07/2020 08:05
294088	J:\GC21\DATA\070620F\0706F157.D	07/07/2020 03:56	07/07/2020 07:47	07/07/2020 08:05
294089	J:\GC21\DATA\070620F\0706F158.D	07/07/2020 04:18	07/07/2020 07:48	07/07/2020 08:05
294090	J:\GC21\DATA\070620F\0706F159.D	07/07/2020 04:41	07/07/2020 07:49	07/07/2020 08:05
294091	J:\GC21\DATA\070620F\0706F160.D	07/07/2020 05:03	07/07/2020 07:50	07/07/2020 08:05
294092	J:\GC21\DATA\070620F\0706F161.D	07/07/2020 05:25	07/07/2020 07:52	07/07/2020 08:05
294094	J:\GC21\DATA\070620F\0706F167.D	07/07/2020 07:41	07/07/2020 07:58	07/07/2020 08:24
294095	J:\GC21\DATA\070620F\0706F168.D	07/07/2020 08:03	07/07/2020 08:23	07/07/2020 08:24

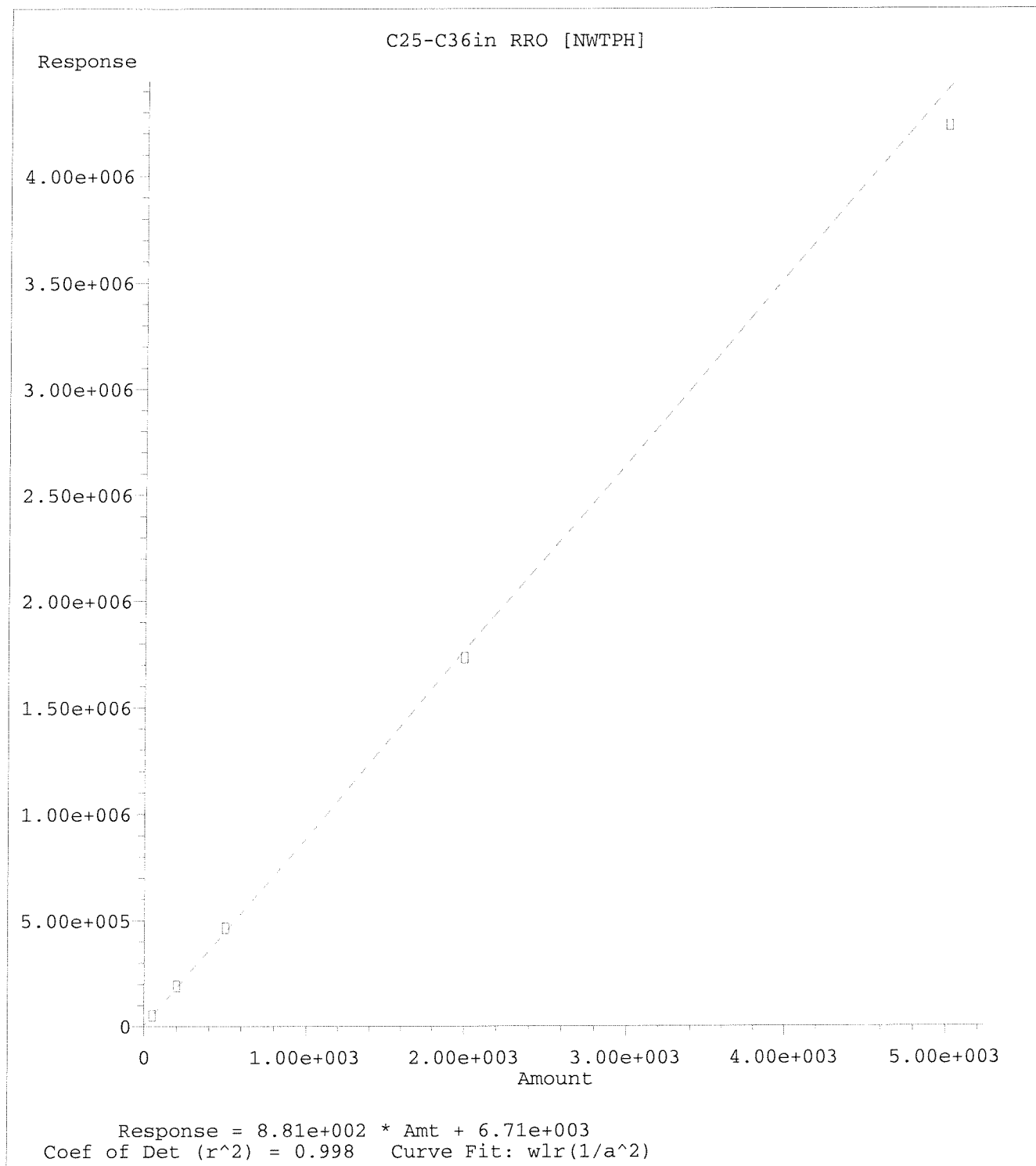
Parameter Name	CoefX2	CoefX	Y-intercept	COD	Mean RF
Diesel Range Organics (DRO)		1.25E+3	9.70E+3	0.9923	1.3E+3
Residual Range Organics (RRO)		8.81E+2	6.71E+3	0.9985	9.2E+2

LINEAR CHECK



Method Name: J:\GC21\METHODS\070620F.M
Calibration Table Last Updated: Tue Jul 07 08:23:36 2020

LINEAR CHECK



Method Name: J:\GC21\METHODS\070620F.M
Calibration Table Last Updated: Tue Jul 07 07:39:49 2020

Second Source Calibration Verification Summary

CalibrationID: CAL16326

Units: mg/L

Method ID: MJ257

Column: ZB-1

DataFile Location: J:\GC21\DATA\070620F\0706F170.D

Parameter Name	File ID	Curve Fit	Method Criteria	AveRF	SSV RF	% Diff	True Value	Sol'n Conc	% Drift
C10 - C25 DRO	294096	AverageRF	25	1.6E+3	1.4E+3	-13.3	1000.00	867.2	
Diesel Range Organics	294096	AverageRF	20	1.7E+3	1.4E+3	-15.1	1000.00	849.3	
Diesel Range Organics (DRO)	294096	AverageRF	15	1.3E+3	1.2E+3	-9.8	1000.00	902.3	
Residual Range Organics (RRO)	294087	AverageRF	15	9.2E+2	8.3E+2	-9.7	1000.00	902.9	
C25 - C36 RRO	294093	AverageRF	25	8.7E+2	9.1E+2	5.2	1000.00	1052.1	

Data File : J:\GC21\DATA\070620F\0706F128.D Vial: 86
Acq On : 06 Jul 2020 5:49 pm Operator: TAP
Sample : ICAL BLANK Inst : GC21
Misc : Multiplr: 1.00
IntFile : rteint.p
Quant Time: Jul 07 07:31:40 2020 Quant Results File: 070620F.RES

Quant Method : J:\GC21\METHODS\070620F.M (RTE Integrator)
Title : 8015/NWTPH/AK SVF MJ257 CAL16158
Last Update : Tue Jul 07 07:25:41 2020
Response via : Initial Calibration
DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
Signal Phase : ZB-1
Signal Info : 15m x 0.25mm x 1.0 um

Compound	R.T.	Response	Conc Units
----------	------	----------	------------

System Monitoring Compounds

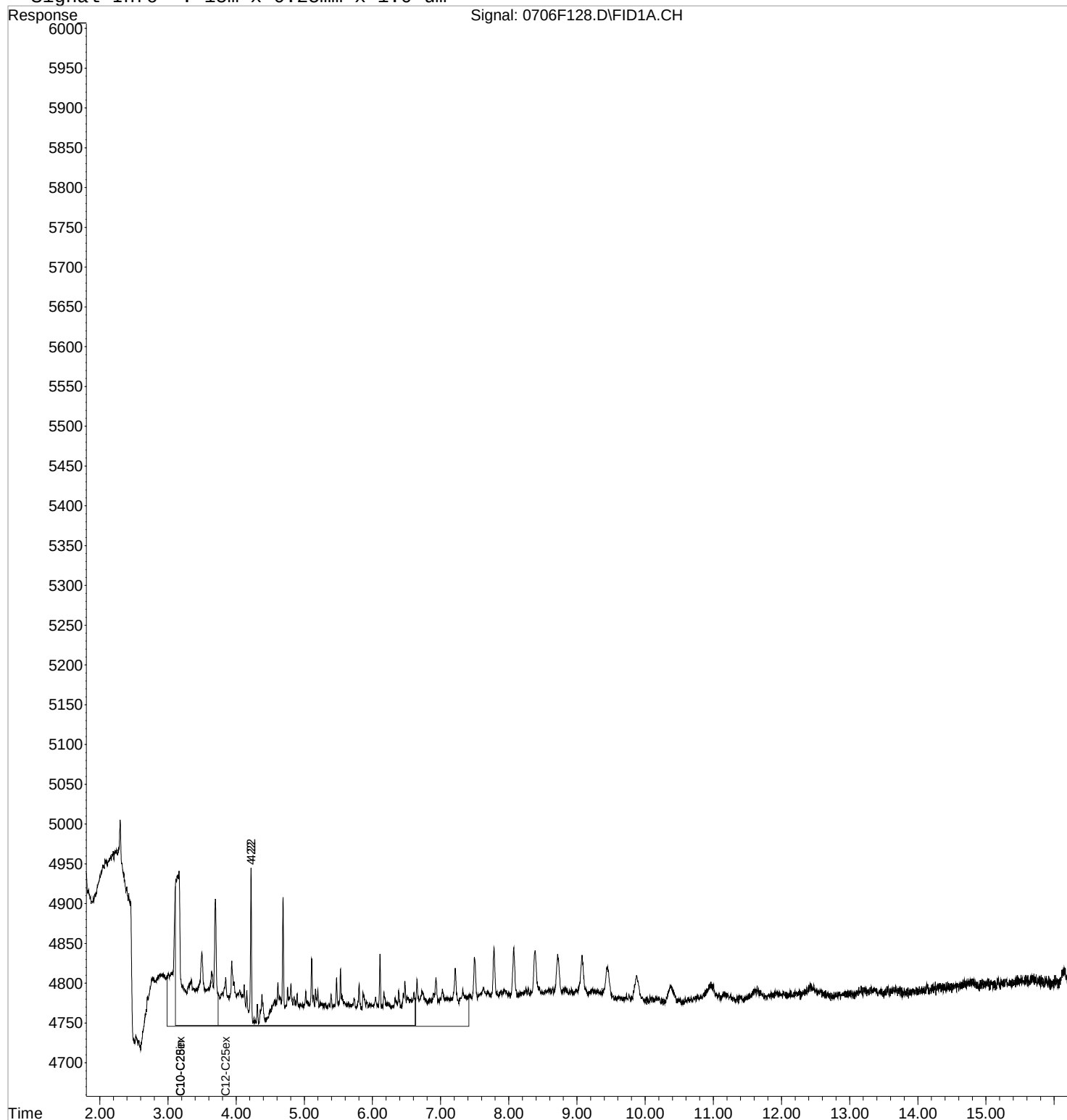
Target Compounds

6) H	C10-C25ex DRO [AK102]	3.19	8115	5.101 ppm
7) H	C10-C28in DRO [8015]	3.19	10693	6.434 ppm
8) H	C12-C25ex DRO [NWTPH]	3.84	5544	4.143 ppm

Data File : J:\GC21\DATA\070620F\0706F128.D Vial: 86
Acq On : 06 Jul 2020 5:49 pm Operator: TAP
Sample : ICAL BLANK Inst : GC21
Misc : Multiplr: 1.00
IntFile : rteint.p
Quant Time: Jul 7 7:32 2020 Quant Results File: 070620F.RES

Quant Method : J:\GC21\METHODS\070620F.M (RTE Integrator)
Title : 8015/NWTPH/AK SVF MJ257 CAL16158
Last Update : Tue Jul 07 07:25:41 2020
Response via : Single Level Calibration
DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
Signal Phase : ZB-1
Signal Info : 15m x 0.25mm x 1.0 um



Data File : J:\GC21\DATA\070620F\0706F128.D

Acq On : 06 Jul 2020 5:49 pm

Sample : ICAL BLANK

Misc :

IntFile : rteint.p

Quant Time: Jul 7 7:31 2020 Quant Results File: 070620F.RES

Vial: 86

Operator: TAP

Inst : GC21

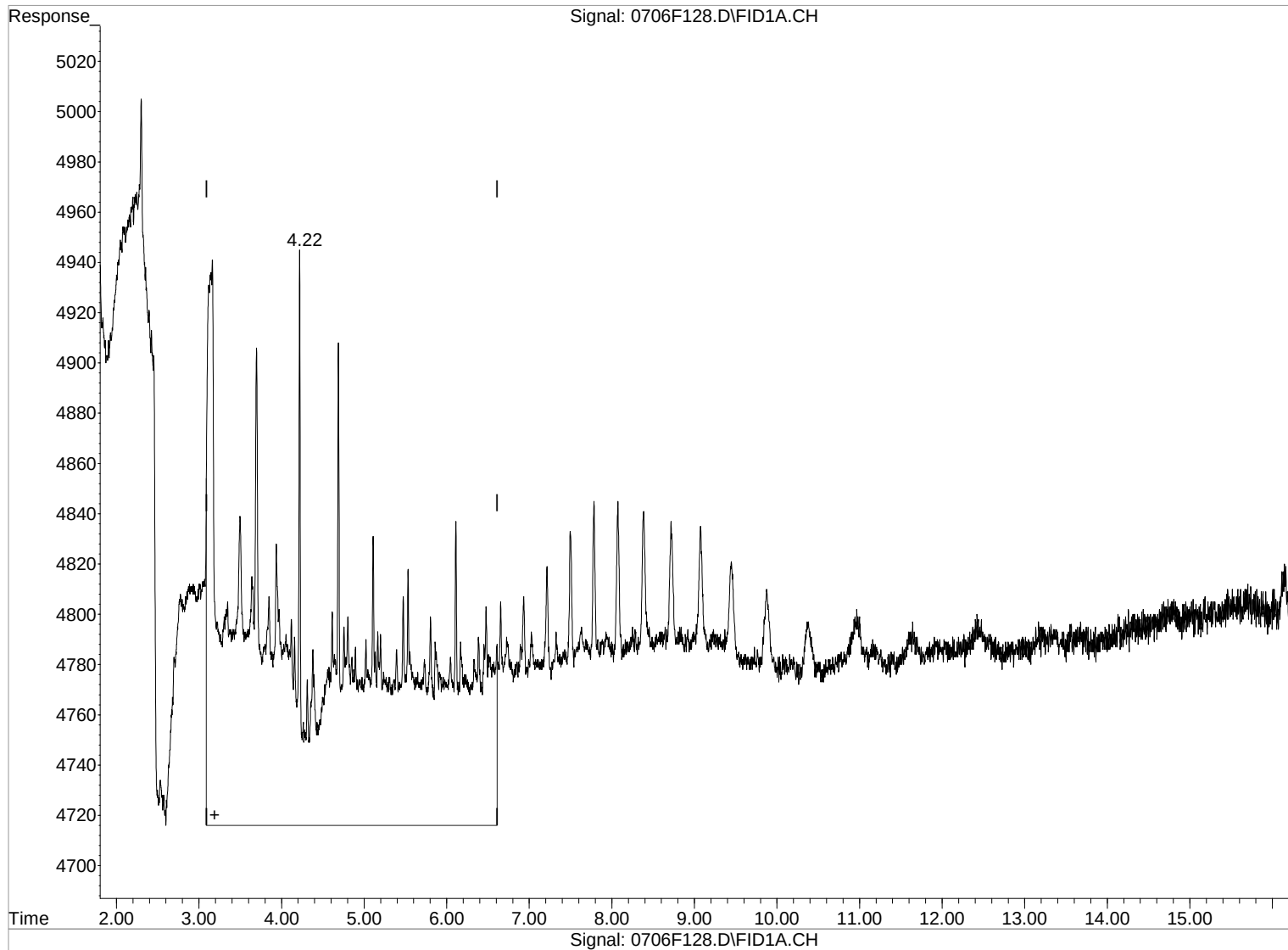
Multiplr: 1.00

Method : J:\GC21\METHODS\070620F.M (RTE Integrator)

Title : 8015/NWTPH/AK SVF MJ257 CAL16158

Last Update : Tue Jul 07 07:25:41 2020

Response via : Multiple Level Calibration



(6) C10-C25ex DRO [AK102] (H)

Manual Integration:

3.19min 9.303ppm

Before

response 14799

07/07/20

(+) = Expected Retention Time

Data File : J:\GC21\DATA\070620F\0706F128.D

Acq On : 06 Jul 2020 5:49 pm

Sample : ICAL BLANK

Misc :

IntFile : rteint.p

Quant Time: Jul 7 7:31 2020 Quant Results File: 070620F.RES

Vial: 86

Operator: TAP

Inst : GC21

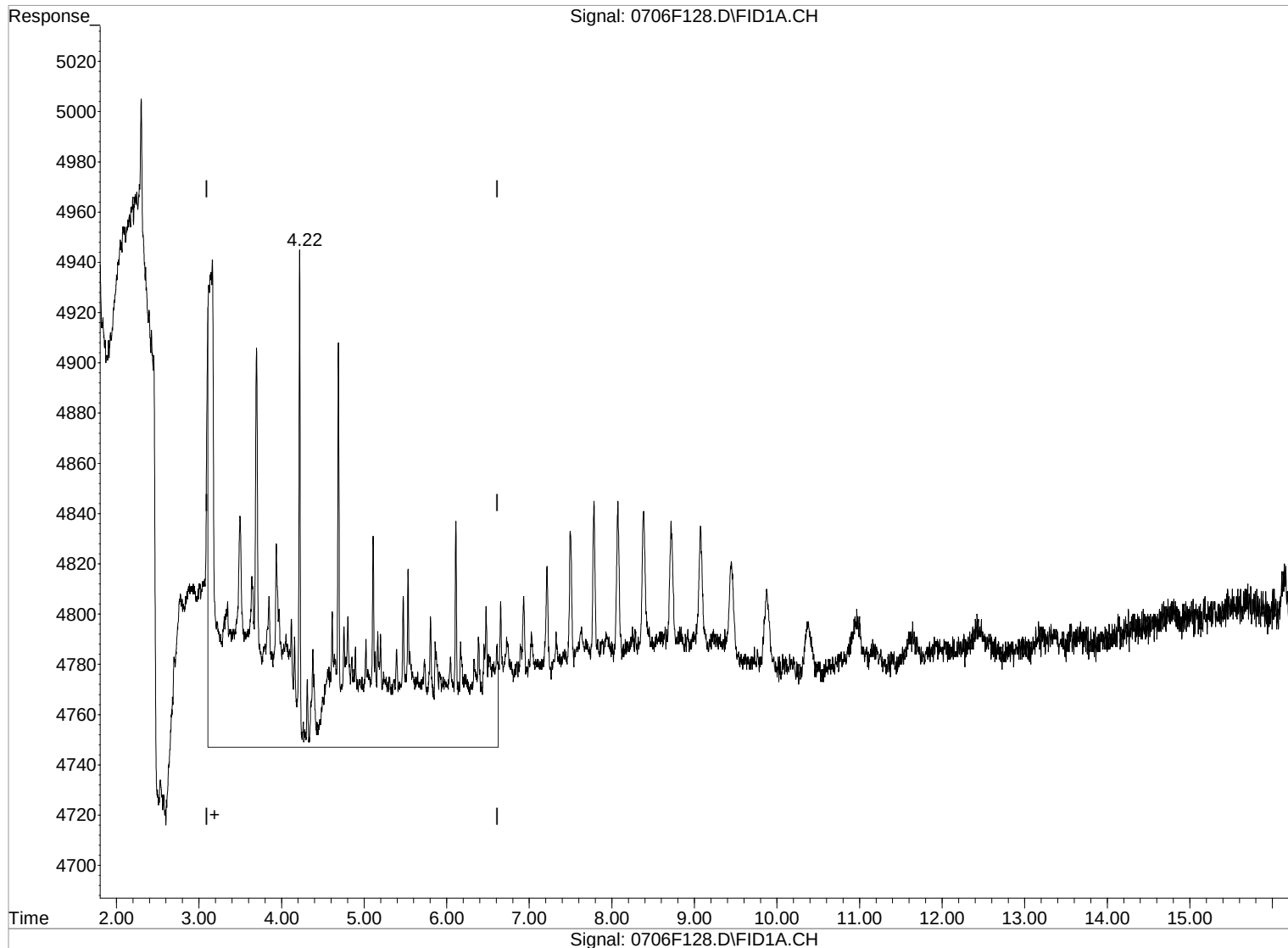
Multiplr: 1.00

Method : J:\GC21\METHODS\070620F.M (RTE Integrator)

Title : 8015/NWTPH/AK SVF MJ257 CAL16158

Last Update : Tue Jul 07 07:25:41 2020

Response via : Multiple Level Calibration



(6) C10-C25ex DRO [AK102] (H)

3.19min 5.101ppm

response 8115

Manual Integration:

After

Baseline/Shoulder

07/07/20

(+) = Expected Retention Time

Data File : J:\GC21\DATA\070620F\0706F128.D

Acq On : 06 Jul 2020 5:49 pm

Sample : ICAL BLANK

Misc :

IntFile : rteint.p

Quant Time: Jul 7 7:31 2020 Quant Results File: 070620F.RES

Vial: 86

Operator: TAP

Inst : GC21

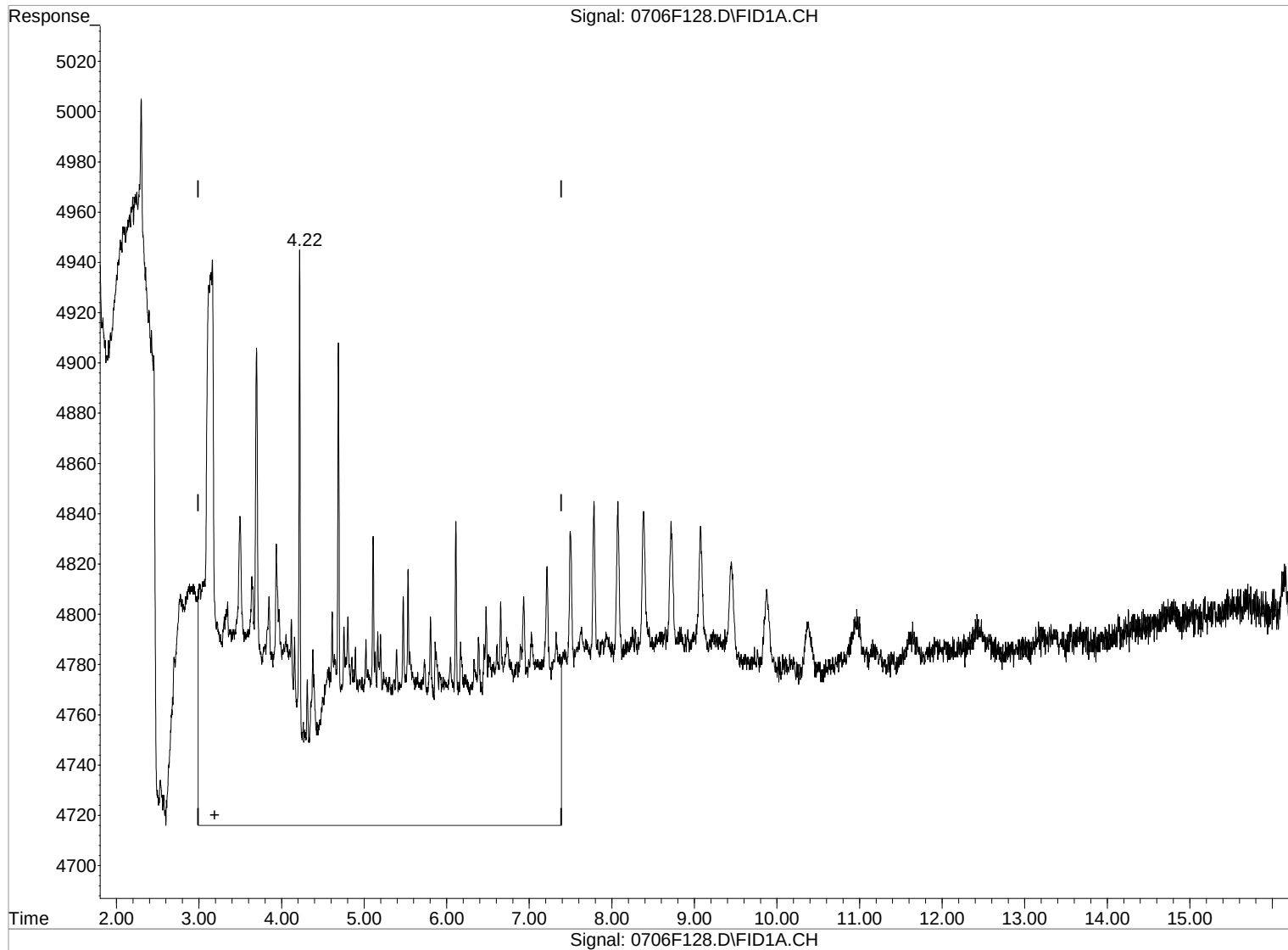
Multiplr: 1.00

Method : J:\GC21\METHODS\070620F.M (RTE Integrator)

Title : 8015/NWTPH/AK SVF MJ257 CAL16158

Last Update : Tue Jul 07 07:25:41 2020

Response via : Multiple Level Calibration



(7) C10-C28in DRO [8015] (H)

3.19min 11.160ppm

response 18549

Manual Integration:

Before

07/07/20

(+) = Expected Retention Time

Data File : J:\GC21\DATA\070620F\0706F128.D

Vial: 86

Acq On : 06 Jul 2020 5:49 pm

Operator: TAP

Sample : ICAL BLANK

Inst : GC21

Misc :

Multiplr: 1.00

IntFile : rteint.p

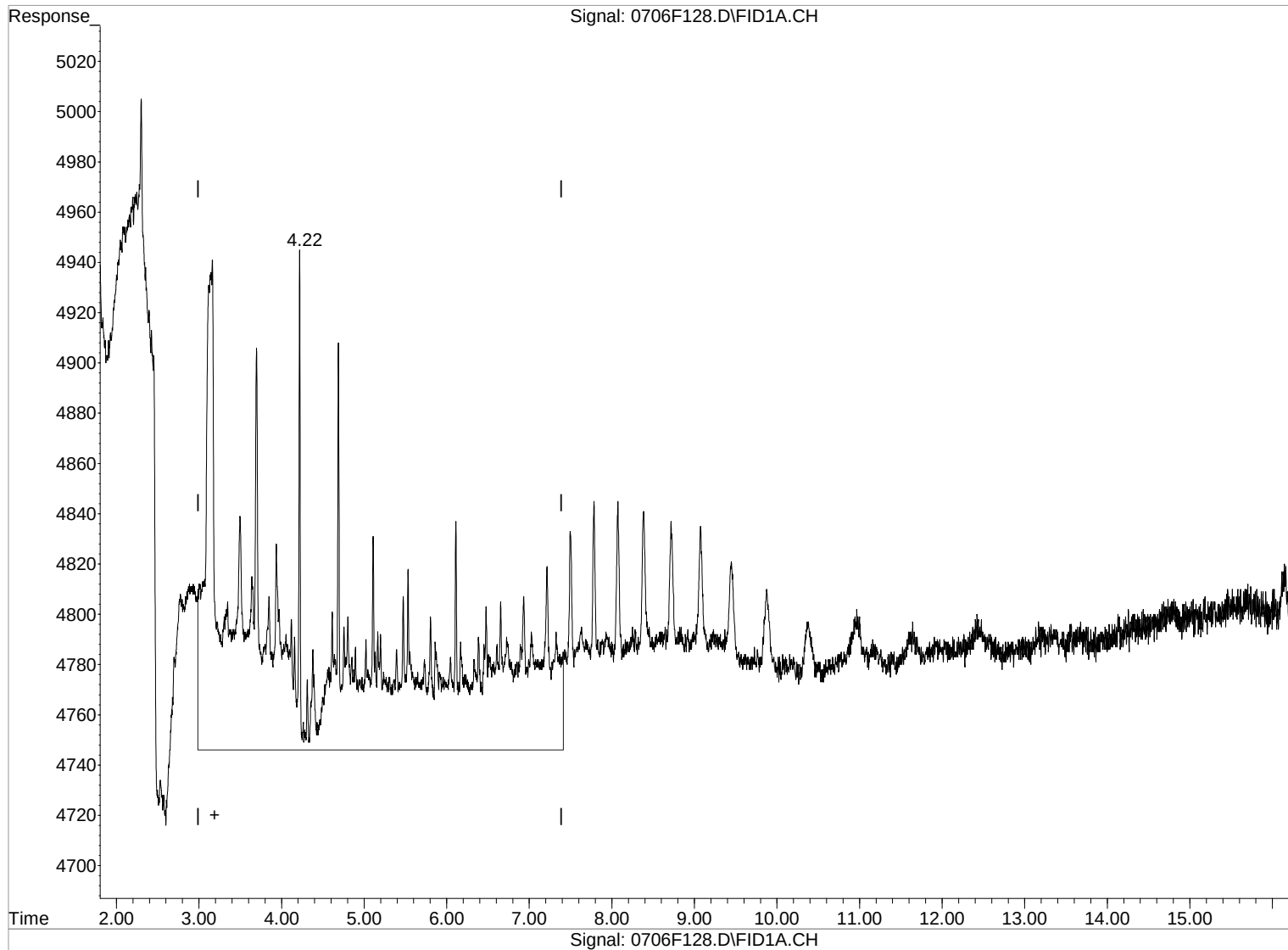
Quant Time: Jul 7 7:31 2020 Quant Results File: 070620F.RES

Method : J:\GC21\METHODS\070620F.M (RTE Integrator)

Title : 8015/NWTPH/AK SVF MJ257 CAL16158

Last Update : Tue Jul 07 07:25:41 2020

Response via : Multiple Level Calibration



(7) C10-C28in DRO [8015] (H)

Manual Integration:

3.19min 6.434ppm

After

response 10693

Baseline/Shoulder

07/07/20

(+) = Expected Retention Time

Data File : J:\GC21\DATA\070620F\0706F128.D

Vial: 86

Acq On : 06 Jul 2020 5:49 pm

Operator: TAP

Sample : ICAL BLANK

Inst : GC21

Misc :

Multiplr: 1.00

IntFile : rteint.p

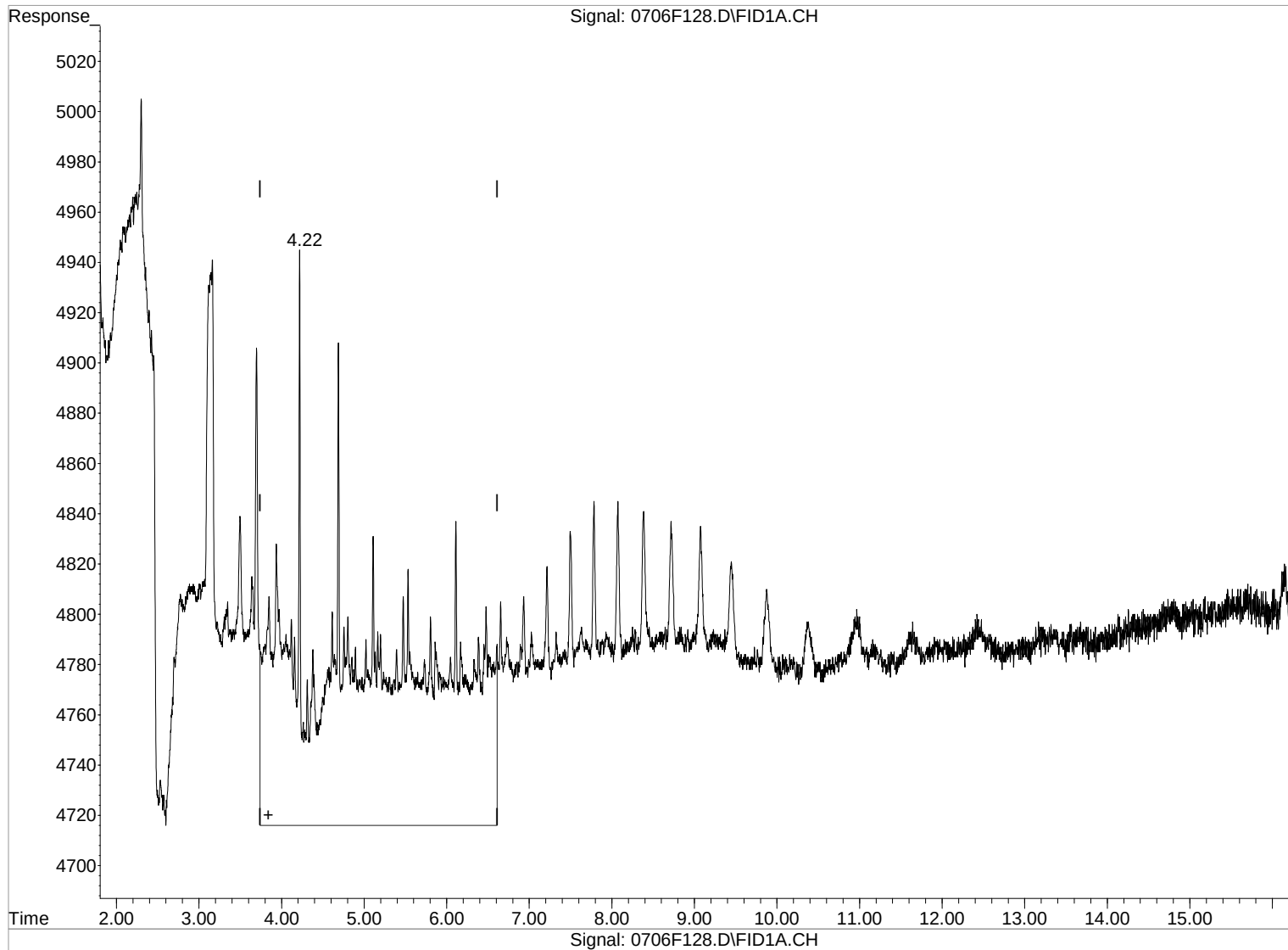
Quant Time: Jul 7 7:31 2020 Quant Results File: 070620F.RES

Method : J:\GC21\METHODS\070620F.M (RTE Integrator)

Title : 8015/NWTPH/AK SVF MJ257 CAL16158

Last Update : Tue Jul 07 07:25:41 2020

Response via : Multiple Level Calibration



(8) C12-C25ex DRO [NWTPH] (H)

Manual Integration:

3.84min 8.084ppm

Before

response 10818

07/07/20

(+) = Expected Retention Time

Data File : J:\GC21\DATA\070620F\0706F128.D

Acq On : 06 Jul 2020 5:49 pm

Sample : ICAL BLANK

Misc :

IntFile : rteint.p

Quant Time: Jul 7 7:31 2020 Quant Results File: 070620F.RES

Vial: 86

Operator: TAP

Inst : GC21

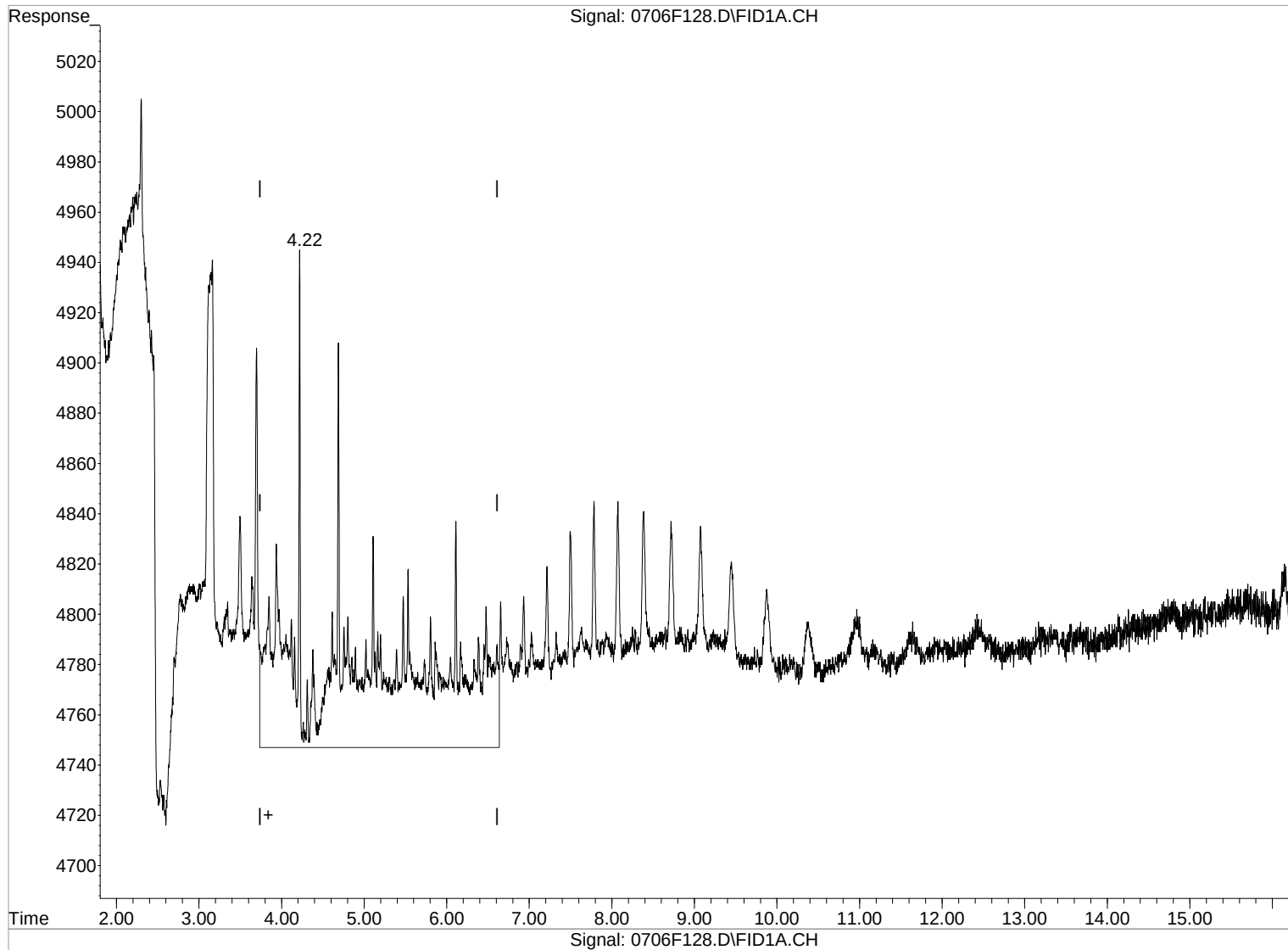
Multiplr: 1.00

Method : J:\GC21\METHODS\070620F.M (RTE Integrator)

Title : 8015/NWTPH/AK SVF MJ257 CAL16158

Last Update : Tue Jul 07 07:25:41 2020

Response via : Multiple Level Calibration



(8) C12-C25ex DRO [NWTPH] (H)

3.84min 4.143ppm

response 5544

Manual Integration:

After

Baseline/Shoulder

07/07/20

(+) = Expected Retention Time

Data File : J:\GC21\DATA\070620F\0706F129.D Vial: 10
 Acq On : 06 Jul 2020 6:11 pm Operator: TAP
 Sample : DRO SVF02-93C 20/1.0 Inst : GC21
 Misc : Multiplr: 1.00
 IntFile : rteint.p
 Quant Time: Jul 07 07:16:17 2020 Quant Results File: 070620F.RES

Quant Method : J:\GC21\METHODS\070620F.M (RTE Integrator)
 Title : 8015/NWTPH/AK SVF MJ257 CAL16158
 Last Update : Tue Jul 07 07:15:56 2020
 Response via : Initial Calibration
 DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
 Signal Phase : ZB-1
 Signal Info : 15m x 0.25mm x 1.0 um

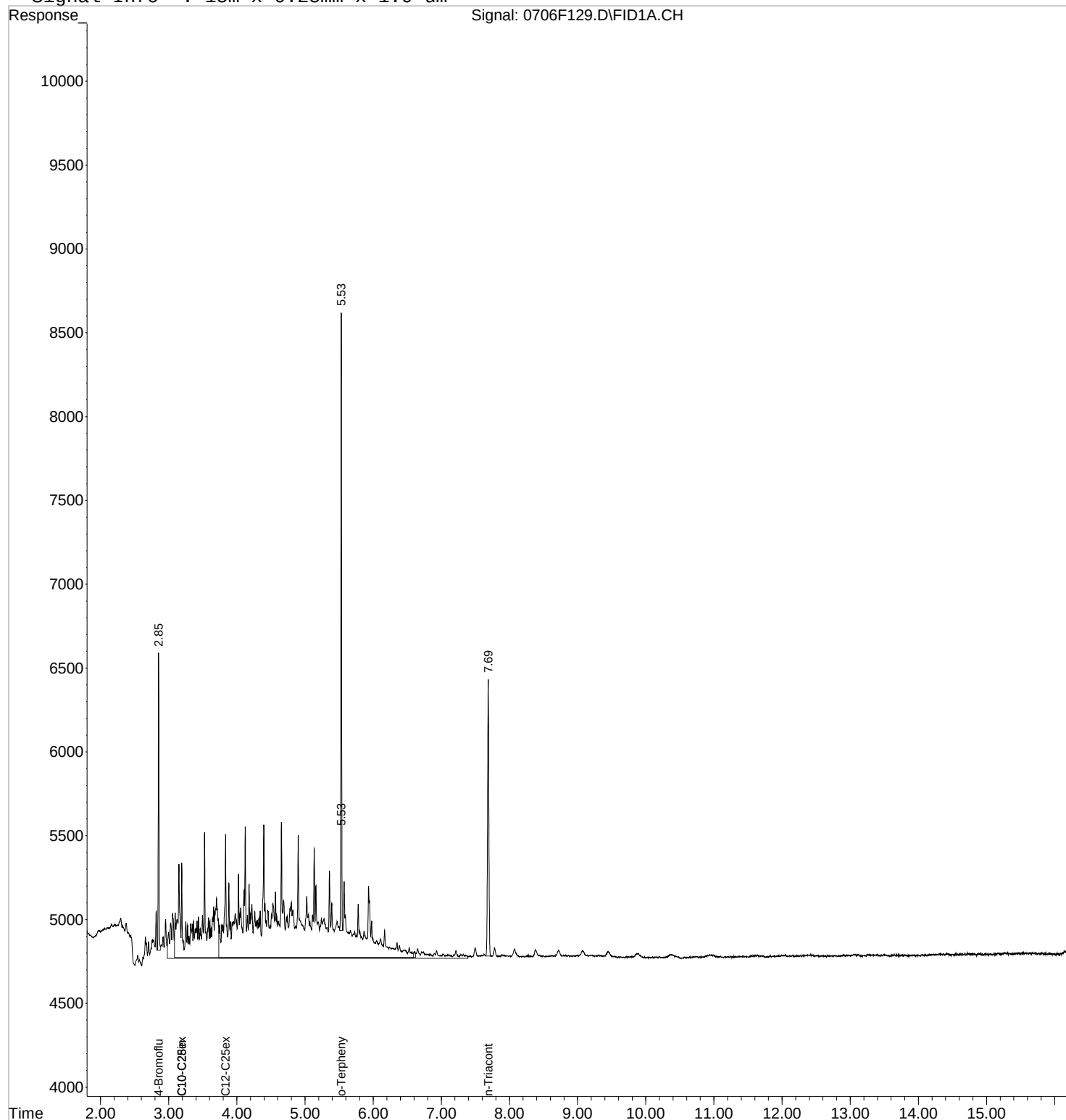
Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S 4-Bromofluorobenzene	2.85	1349	1.409 ppm
Spiked Amount 50.000	Recovery	=	2.82%
2) S o-Terphenyl	5.53	2747	1.436 ppm
Spiked Amount 50.000	Recovery	=	2.87%
3) S n-Triacontane	7.69	2235	1.474 ppm
Spiked Amount 50.000	Recovery	=	2.95%
Target Compounds			
6) H C10-C25ex DRO [AK102]	3.19	40257	22.353 ppm
7) H C10-C28in DRO [8015]	3.19	43549	23.367 ppm
8) H C12-C25ex DRO [NWTPH]	3.84	33219	22.091 ppm

Data File : J:\GC21\DATA\070620F\0706F129.D Vial: 10
Acq On : 06 Jul 2020 6:11 pm Operator: TAP
Sample : DRO SVF02-93C 20/1.0 Inst : GC21
Misc : Multiplr: 1.00
IntFile : rteint.p
Quant Time: Jul 7 7:17 2020 Quant Results File: 070620F.RES

Quant Method : J:\GC21\METHODS\070620F.M (RTE Integrator)
Title : 8015/NWTPH/AK SVF MJ257 CAL16158
Last Update : Tue Jul 07 07:15:56 2020
Response via : Single Level Calibration
DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
Signal Phase : ZB-1
Signal Info : 15m x 0.25mm x 1.0 um



Data File : J:\GC21\DATA\070620F\0706F129.D

Vial: 10

Acq On : 06 Jul 2020 6:11 pm

Operator: TAP

Sample : DRO SVF02-93C 20/1.0

Inst : GC21

Misc :

Multiplr: 1.00

IntFile : rteint.p

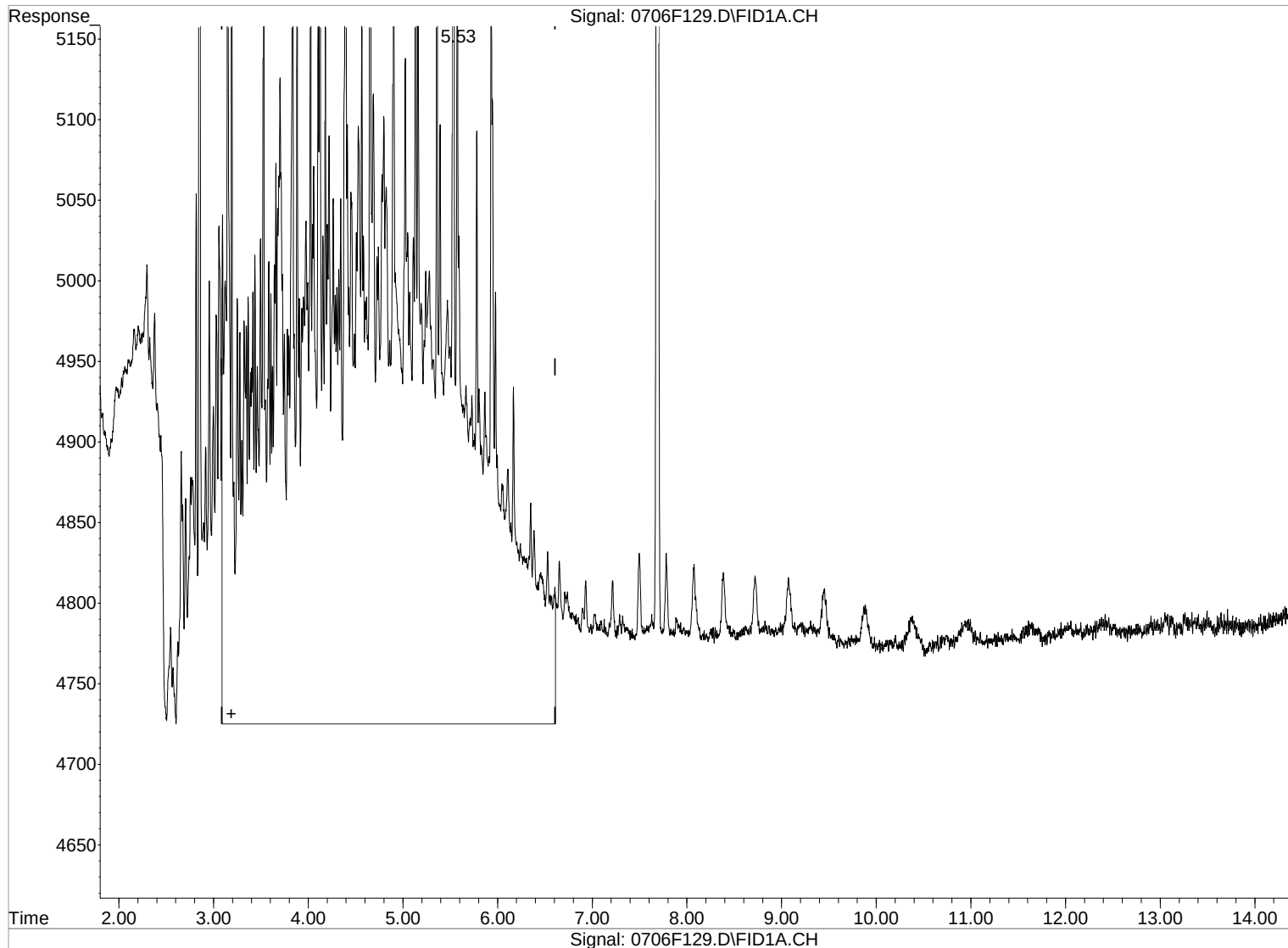
Quant Time: Jul 7 7:16 2020 Quant Results File: 070620F.RES

Method : J:\GC21\METHODS\070620F.M (RTE Integrator)

Title : 8015/NWTPH/AK SVF MJ257 CAL16158

Last Update : Tue Jul 07 07:15:56 2020

Response via : Multiple Level Calibration



(6) C10-C25ex DRO [AK102] (H)

Manual Integration:

3.19min 28.050ppm

Before

response 50516

07/07/20

(+) = Expected Retention Time

Data File : J:\GC21\DATA\070620F\0706F129.D

Acq On : 06 Jul 2020 6:11 pm

Sample : DRO SVF02-93C 20/1.0

Misc :

IntFile : rteint.p

Quant Time: Jul 7 7:16 2020 Quant Results File: 070620F.RES

Vial: 10

Operator: TAP

Inst : GC21

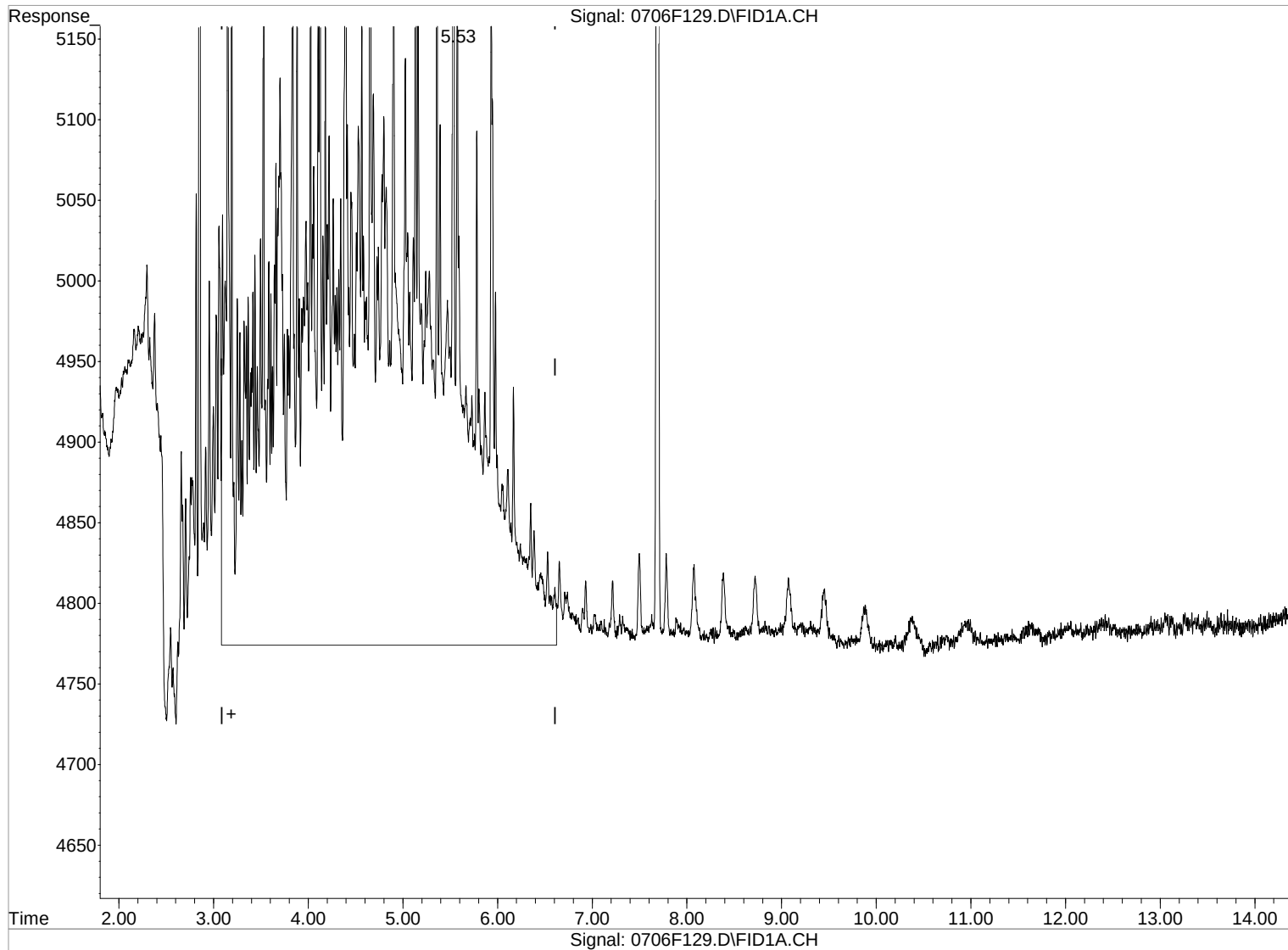
Multiplr: 1.00

Method : J:\GC21\METHODS\070620F.M (RTE Integrator)

Title : 8015/NWTPH/AK SVF MJ257 CAL16158

Last Update : Tue Jul 07 07:15:56 2020

Response via : Multiple Level Calibration



(6) C10-C25ex DRO [AK102] (H)

3.19min 22.353ppm

response 40257

Manual Integration:

After

Baseline/Shoulder

07/07/20

(+) = Expected Retention Time

0706F129.D 070620F.M Tue Jul 07 07:17:00 2020

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Data File : J:\GC21\DATA\070620F\0706F129.D

Acq On : 06 Jul 2020 6:11 pm

Sample : DRO SVF02-93C 20/1.0

Misc :

IntFile : rteint.p

Quant Time: Jul 7 7:16 2020 Quant Results File: 070620F.RES

Vial: 10

Operator: TAP

Inst : GC21

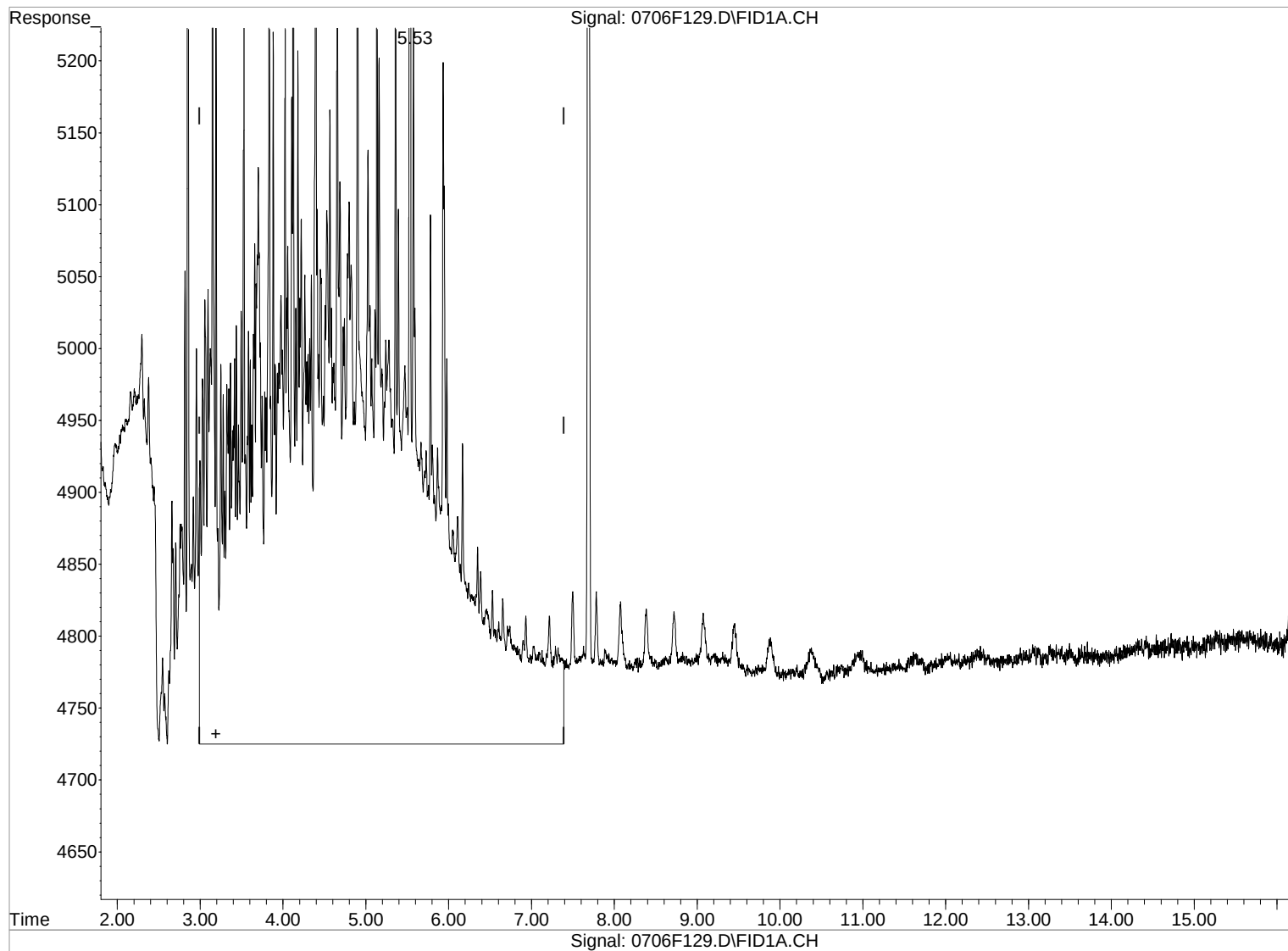
Multiplr: 1.00

Method : J:\GC21\METHODS\070620F.M (RTE Integrator)

Title : 8015/NWTPH/AK SVF MJ257 CAL16158

Last Update : Tue Jul 07 07:15:56 2020

Response via : Multiple Level Calibration



(7) C10-C28in DRO [8015] (H)

Manual Integration:

3.19min 29.423ppm

Before

response 54835

07/07/20

(+) = Expected Retention Time

0706F129.D 070620F.M Tue Jul 07 07:17:09 2020

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Data File : J:\GC21\DATA\070620F\0706F129.D

Acq On : 06 Jul 2020 6:11 pm

Sample : DRO SVF02-93C 20/1.0

Misc :

IntFile : rteint.p

Quant Time: Jul 7 7:16 2020 Quant Results File: 070620F.RES

Vial: 10

Operator: TAP

Inst : GC21

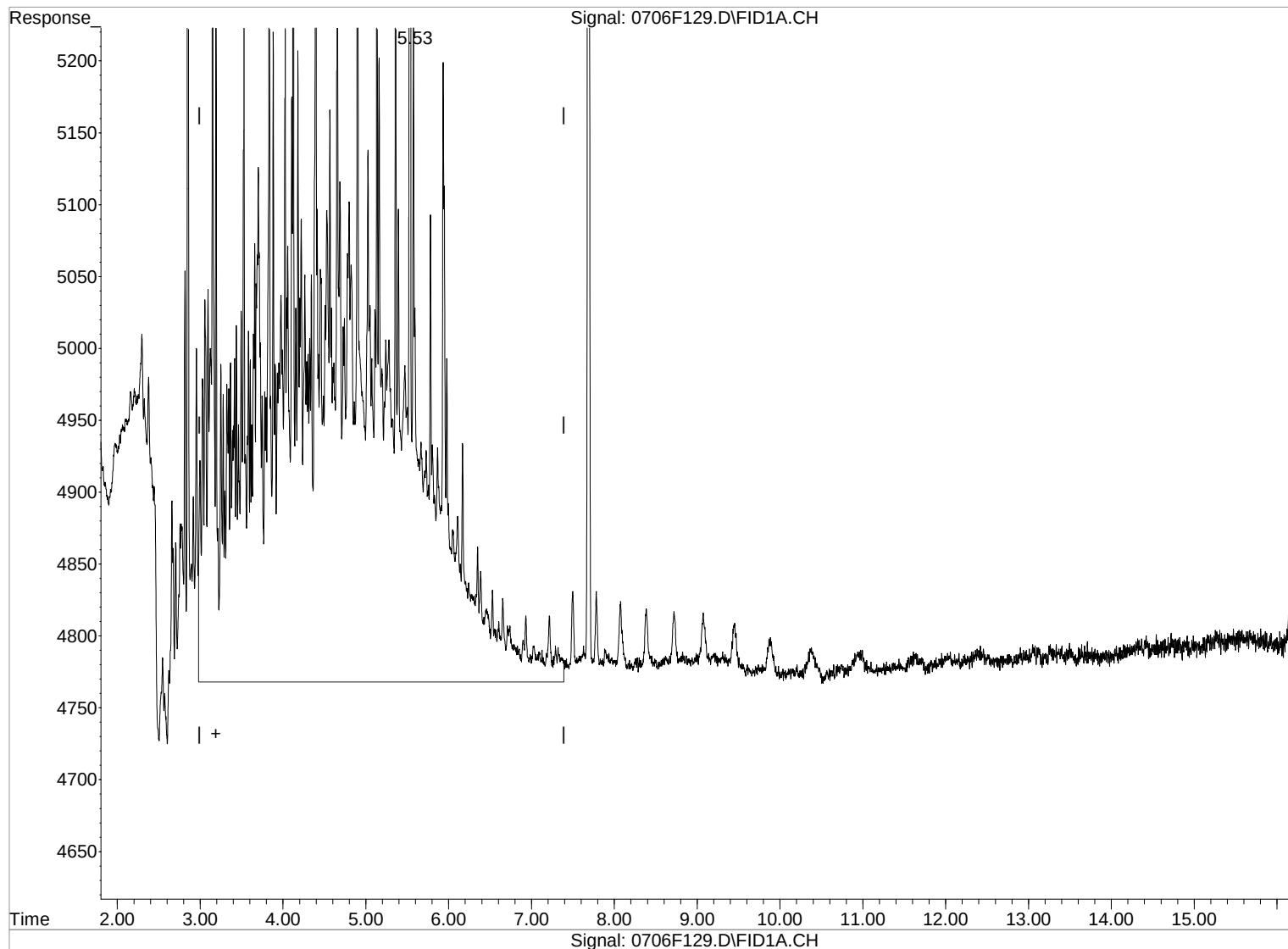
Multiplr: 1.00

Method : J:\GC21\METHODS\070620F.M (RTE Integrator)

Title : 8015/NWTPH/AK SVF MJ257 CAL16158

Last Update : Tue Jul 07 07:15:56 2020

Response via : Multiple Level Calibration



(7) C10-C28in DRO [8015] (H)

3.19min 23.367ppm

response 43549

Manual Integration:

After

Baseline/Shoulder

07/07/20

(+) = Expected Retention Time

Data File : J:\GC21\DATA\070620F\0706F129.D

Acq On : 06 Jul 2020 6:11 pm

Sample : DRO SVF02-93C 20/1.0

Misc :

IntFile : rteint.p

Quant Time: Jul 7 7:16 2020 Quant Results File: 070620F.RES

Vial: 10

Operator: TAP

Inst : GC21

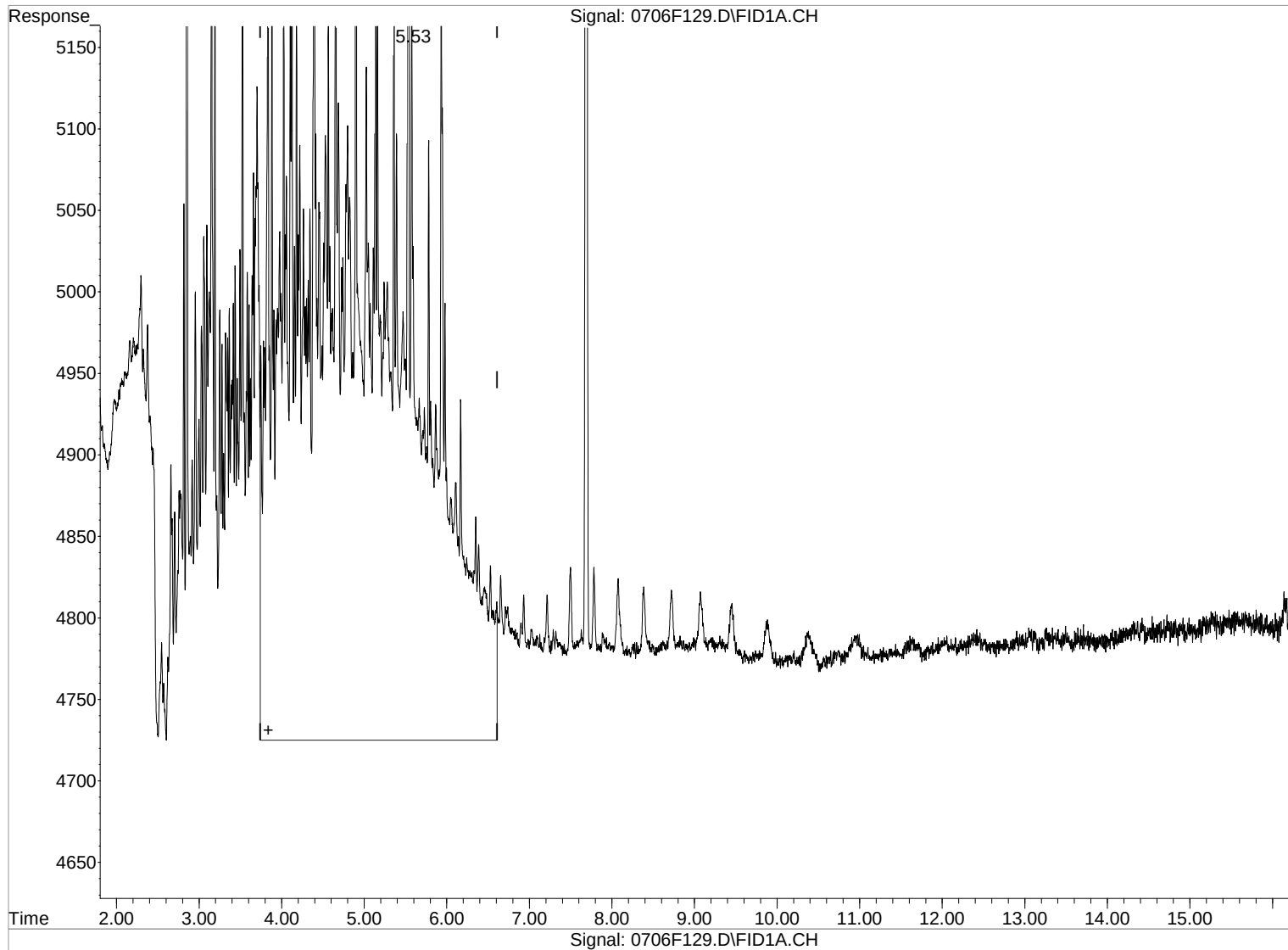
Multiplr: 1.00

Method : J:\GC21\METHODS\070620F.M (RTE Integrator)

Title : 8015/NWTPH/AK SVF MJ257 CAL16158

Last Update : Tue Jul 07 07:15:56 2020

Response via : Multiple Level Calibration



(8) C12-C25ex DRO [NWTPH] (H)

Manual Integration:

3.84min 27.342ppm

Before

response 41115

07/07/20

(+) = Expected Retention Time

Data File : J:\GC21\DATA\070620F\0706F129.D

Acq On : 06 Jul 2020 6:11 pm

Sample : DRO SVF02-93C 20/1.0

Misc :

IntFile : rteint.p

Quant Time: Jul 7 7:16 2020 Quant Results File: 070620F.RES

Vial: 10

Operator: TAP

Inst : GC21

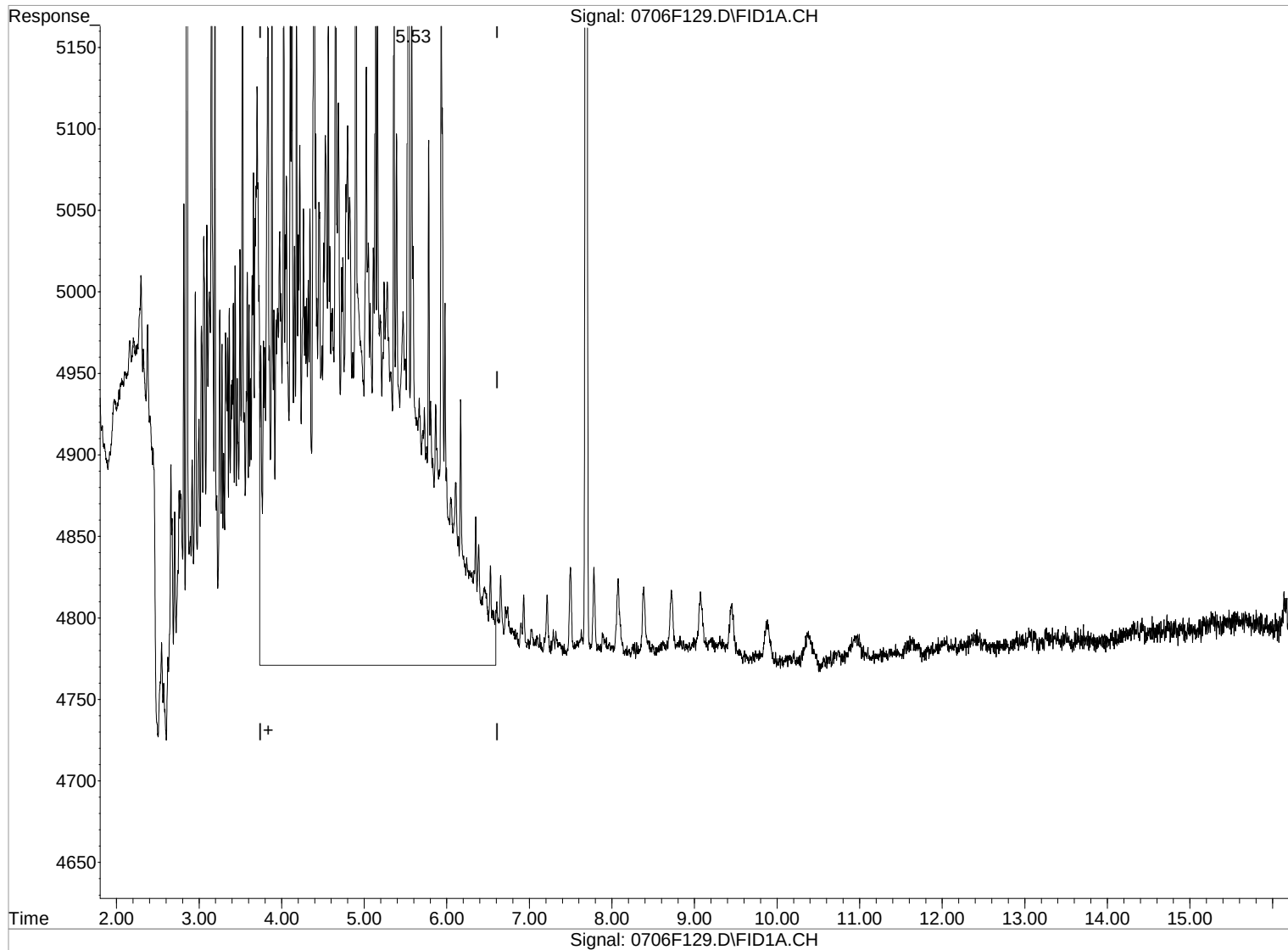
Multiplr: 1.00

Method : J:\GC21\METHODS\070620F.M (RTE Integrator)

Title : 8015/NWTPH/AK SVF MJ257 CAL16158

Last Update : Tue Jul 07 07:15:56 2020

Response via : Multiple Level Calibration



(8) C12-C25ex DRO [NWTPH] (H)

3.84min 22.091ppm

response 33219

Manual Integration:

After

Baseline/Shoulder

07/07/20

(+) = Expected Retention Time

Data File : J:\GC21\DATA\070620F\0706F130.D Vial: 11
 Acq On : 06 Jul 2020 6:34 pm Operator: TAP
 Sample : DRO SVF02-93B 50/2.5 Inst : GC21
 Misc : Multiplr: 1.00
 IntFile : rteint.p
 Quant Time: Jul 07 07:17:56 2020 Quant Results File: 070620F.RES

Quant Method : J:\GC21\METHODS\070620F.M (RTE Integrator)
 Title : 8015/NWTPH/AK SVF MJ257 CAL16158
 Last Update : Tue Jul 07 07:15:56 2020
 Response via : Initial Calibration
 DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
 Signal Phase : ZB-1
 Signal Info : 15m x 0.25mm x 1.0 um

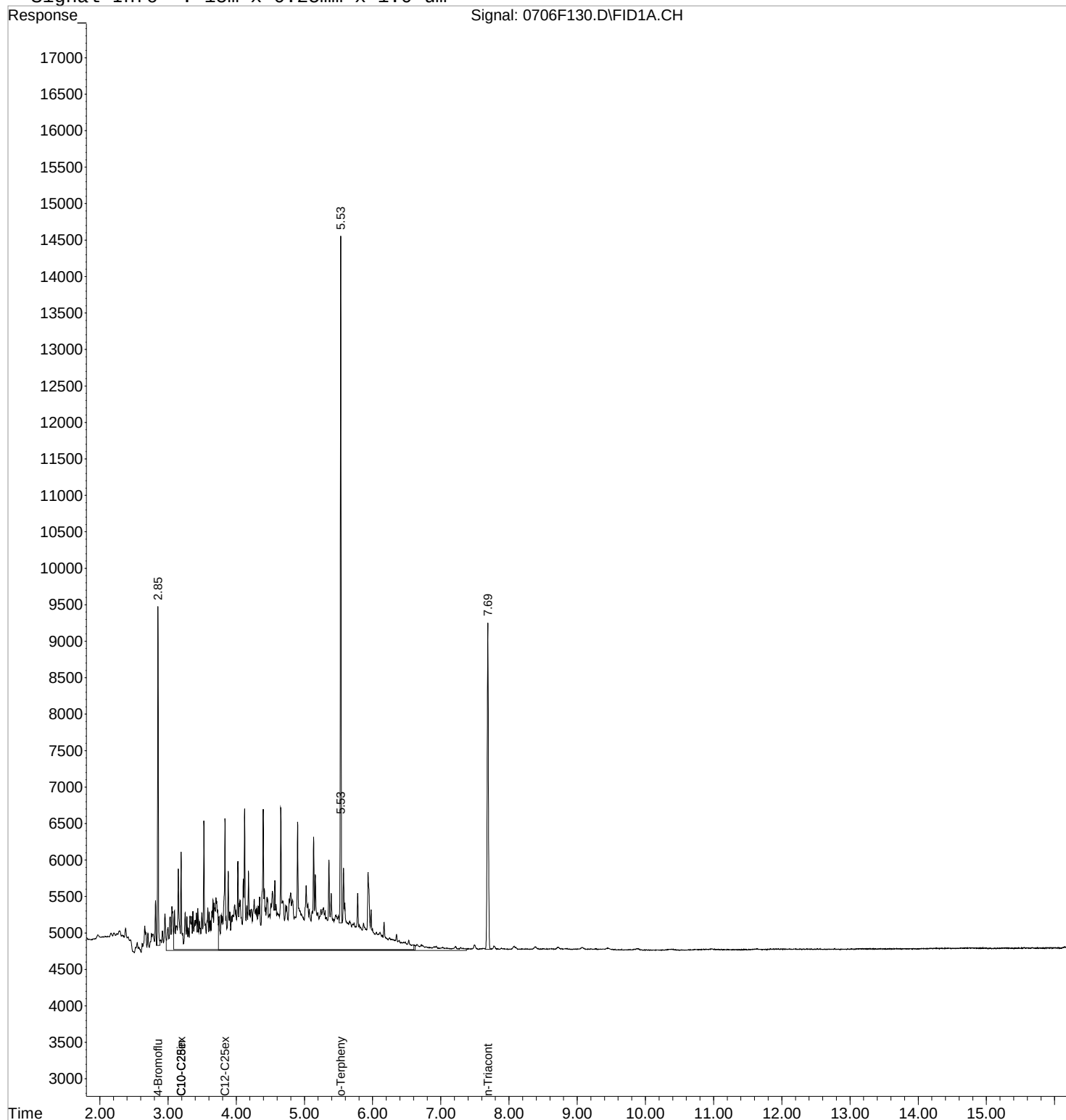
Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S 4-Bromofluorobenzene	2.85	3541	3.699 ppm
Spiked Amount 50.000	Recovery	=	7.40%
2) S o-Terphenyl	5.53	7185	3.756 ppm
Spiked Amount 50.000	Recovery	=	7.51%
3) S n-Triacontane	7.69	5796	3.823 ppm
Spiked Amount 50.000	Recovery	=	7.65%
Target Compounds			
6) H C10-C25ex DRO [AK102]	3.19	94755	52.614 ppm
7) H C10-C28in DRO [8015]	3.19	101389	54.403 ppm
8) H C12-C25ex DRO [NWTPH]	3.84	80115	53.277 ppm

Data File : J:\GC21\DATA\070620F\0706F130.D Vial: 11
Acq On : 06 Jul 2020 6:34 pm Operator: TAP
Sample : DRO SVF02-93B 50/2.5 Inst : GC21
Misc : Multiplr: 1.00
IntFile : rteint.p
Quant Time: Jul 7 7:19 2020 Quant Results File: 070620F.RES

Quant Method : J:\GC21\METHODS\070620F.M (RTE Integrator)
Title : 8015/NWTPH/AK SVF MJ257 CAL16158
Last Update : Tue Jul 07 07:15:56 2020
Response via : Single Level Calibration
DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
Signal Phase : ZB-1
Signal Info : 15m x 0.25mm x 1.0 um



Data File : J:\GC21\DATA\070620F\0706F130.D

Acq On : 06 Jul 2020 6:34 pm

Sample : DRO SVF02-93B 50/2.5

Misc :

IntFile : rteint.p

Quant Time: Jul 7 7:17 2020 Quant Results File: 070620F.RES

Vial: 11

Operator: TAP

Inst : GC21

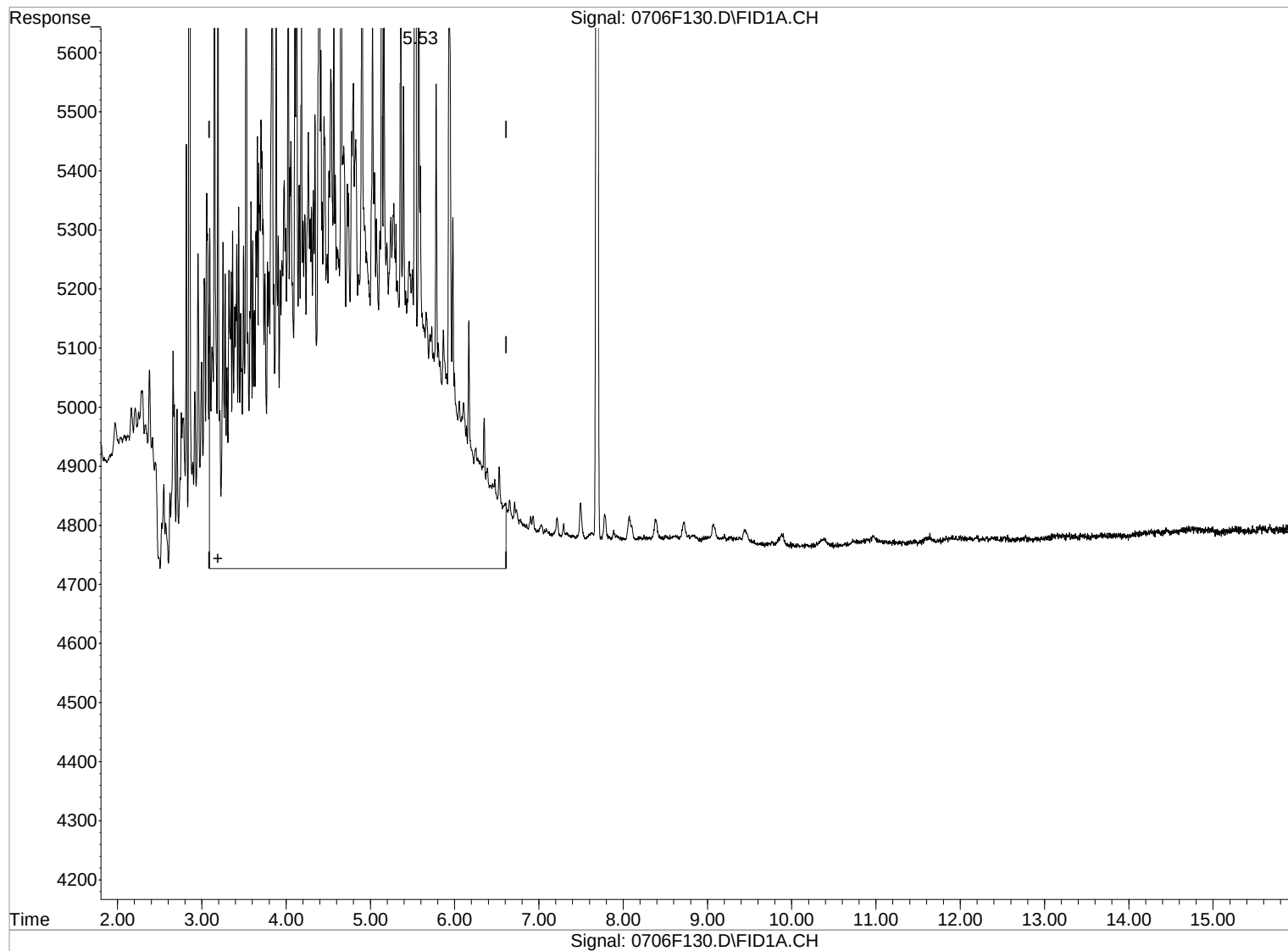
Multiplr: 1.00

Method : J:\GC21\METHODS\070620F.M (RTE Integrator)

Title : 8015/NWTPH/AK SVF MJ257 CAL16158

Last Update : Tue Jul 07 07:15:56 2020

Response via : Multiple Level Calibration



(6) C10-C25ex DRO [AK102] (H)

Manual Integration:

3.19min 58.059ppm

Before

response 104562

07/07/20

(+) = Expected Retention Time

Data File : J:\GC21\DATA\070620F\0706F130.D

Acq On : 06 Jul 2020 6:34 pm

Sample : DRO SVF02-93B 50/2.5

Misc :

IntFile : rteint.p

Quant Time: Jul 7 7:17 2020 Quant Results File: 070620F.RES

Vial: 11

Operator: TAP

Inst : GC21

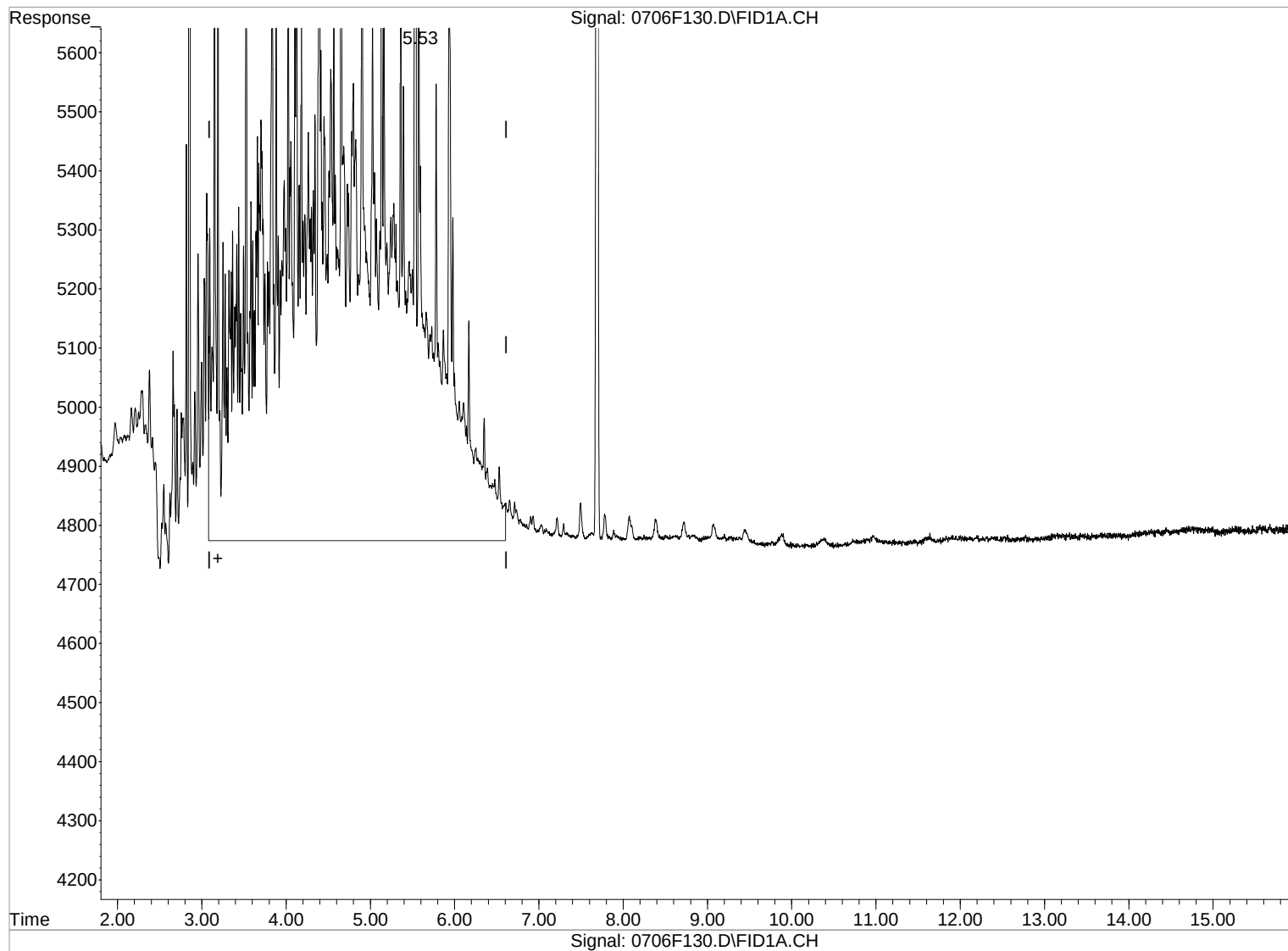
Multiplr: 1.00

Method : J:\GC21\METHODS\070620F.M (RTE Integrator)

Title : 8015/NWTPH/AK SVF MJ257 CAL16158

Last Update : Tue Jul 07 07:15:56 2020

Response via : Multiple Level Calibration



(6) C10-C25ex DRO [AK102] (H)

3.19min 52.614ppm

response 94755

Manual Integration:

After

Baseline/Shoulder

07/07/20

(+) = Expected Retention Time

Data File : J:\GC21\DATA\070620F\0706F130.D

Acq On : 06 Jul 2020 6:34 pm

Sample : DRO SVF02-93B 50/2.5

Misc :

IntFile : rteint.p

Quant Time: Jul 7 7:17 2020 Quant Results File: 070620F.RES

Vial: 11

Operator: TAP

Inst : GC21

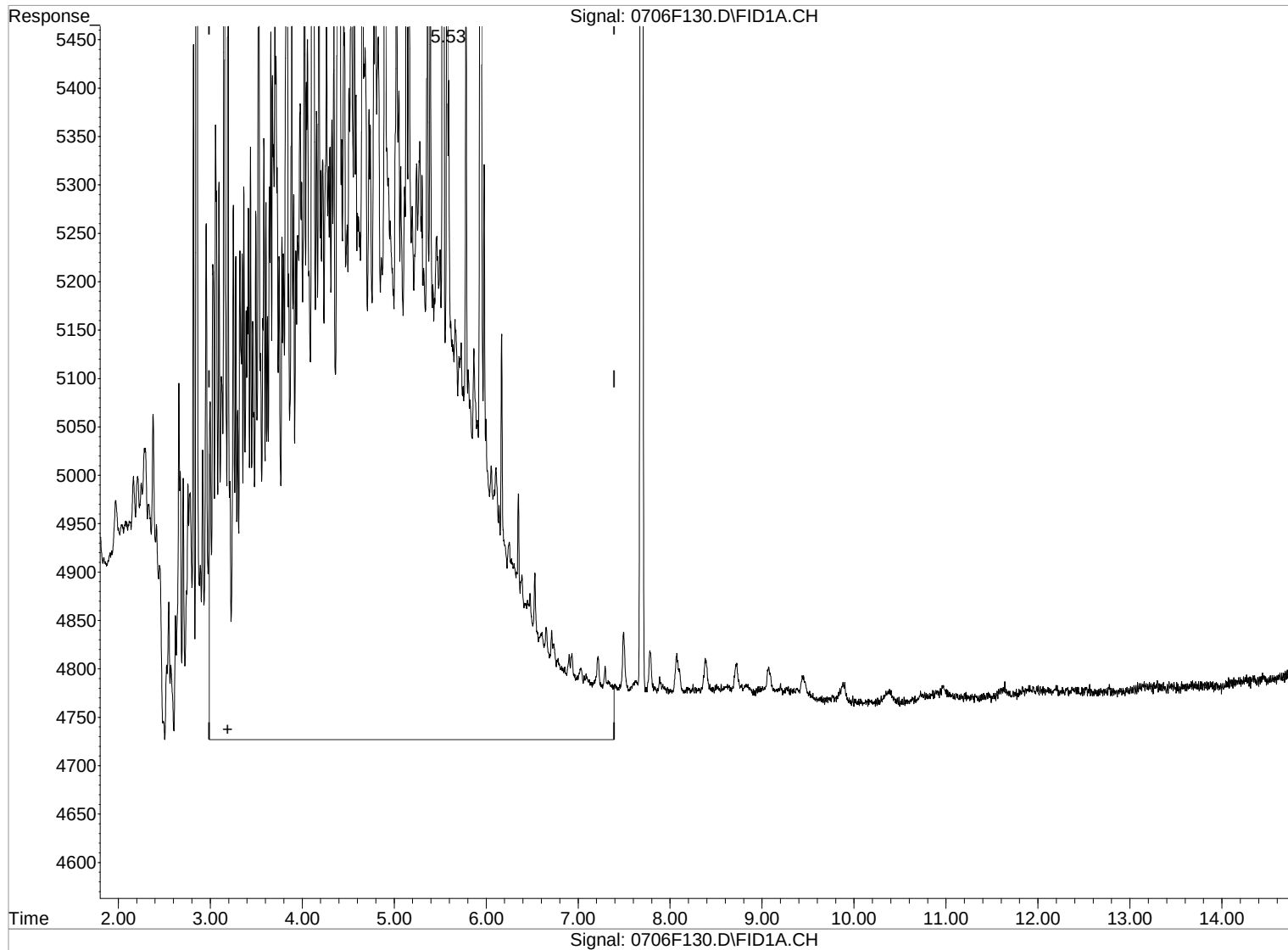
Multiplr: 1.00

Method : J:\GC21\METHODS\070620F.M (RTE Integrator)

Title : 8015/NWTPH/AK SVF MJ257 CAL16158

Last Update : Tue Jul 07 07:15:56 2020

Response via : Multiple Level Calibration



(7) C10-C28in DRO [8015] (H)

Manual Integration:

3.19min 59.140ppm

Before

response 110218

07/07/20

(+) = Expected Retention Time

Data File : J:\GC21\DATA\070620F\0706F130.D

Acq On : 06 Jul 2020 6:34 pm

Sample : DRO SVF02-93B 50/2.5

Misc :

IntFile : rteint.p

Quant Time: Jul 7 7:17 2020 Quant Results File: 070620F.RES

Vial: 11

Operator: TAP

Inst : GC21

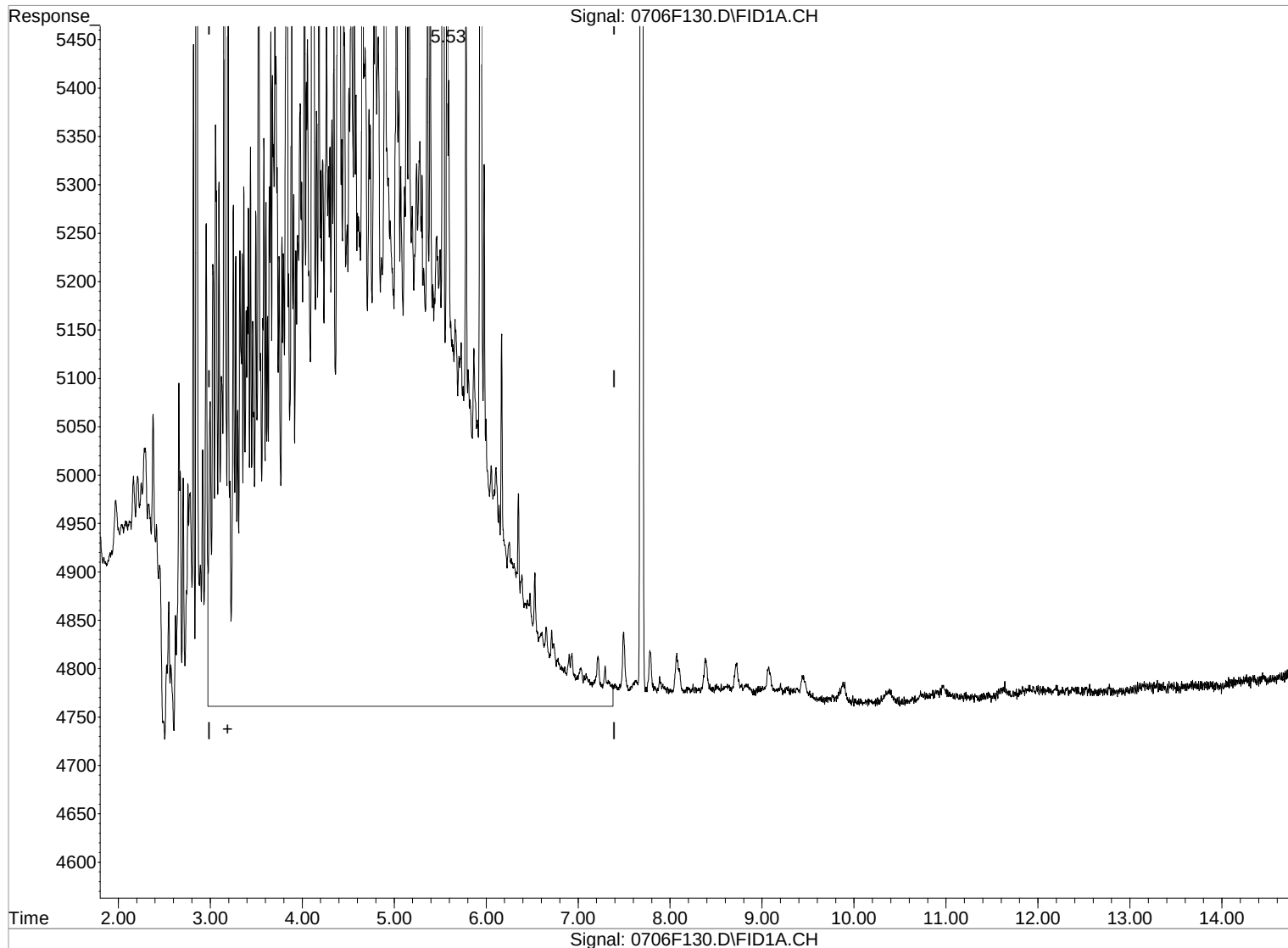
Multiplr: 1.00

Method : J:\GC21\METHODS\070620F.M (RTE Integrator)

Title : 8015/NWTPH/AK SVF MJ257 CAL16158

Last Update : Tue Jul 07 07:15:56 2020

Response via : Multiple Level Calibration



(7) C10-C28in DRO [8015] (H)

3.19min 54.403ppm

response 101389

Manual Integration:

After

Baseline/Shoulder

07/07/20

(+) = Expected Retention Time

Data File : J:\GC21\DATA\070620F\0706F130.D

Acq On : 06 Jul 2020 6:34 pm

Sample : DRO SVF02-93B 50/2.5

Misc :

IntFile : rteint.p

Quant Time: Jul 7 7:17 2020 Quant Results File: 070620F.RES

Vial: 11

Operator: TAP

Inst : GC21

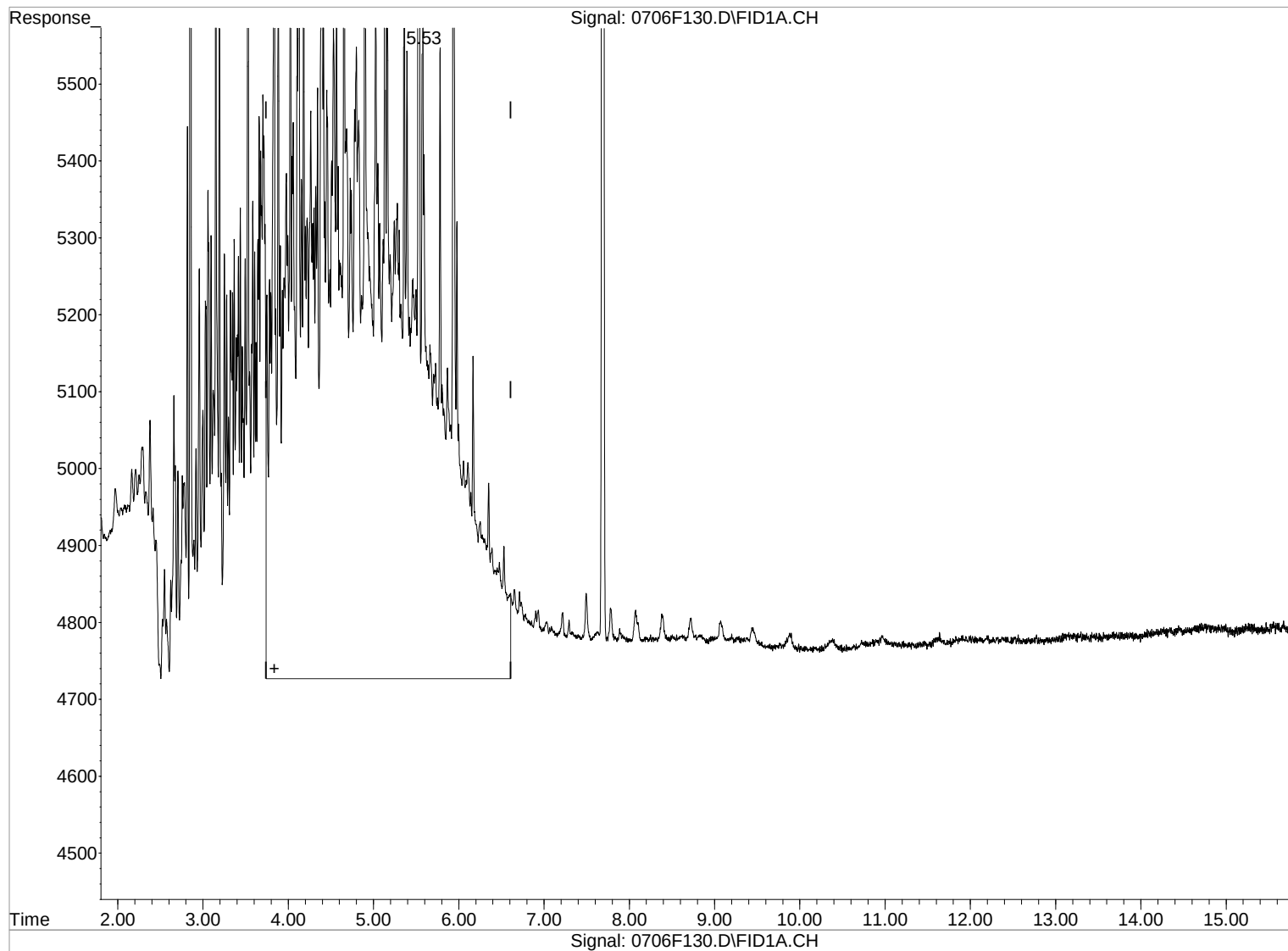
Multiplr: 1.00

Method : J:\GC21\METHODS\070620F.M (RTE Integrator)

Title : 8015/NWTPH/AK SVF MJ257 CAL16158

Last Update : Tue Jul 07 07:15:56 2020

Response via : Multiple Level Calibration



(8) C12-C25ex DRO [NWTPH] (H)

Manual Integration:

3.84min 57.702ppm

Before

response 86769

07/07/20

(+) = Expected Retention Time

Data File : J:\GC21\DATA\070620F\0706F130.D

Acq On : 06 Jul 2020 6:34 pm

Sample : DRO SVF02-93B 50/2.5

Misc :

IntFile : rteint.p

Quant Time: Jul 7 7:17 2020 Quant Results File: 070620F.RES

Vial: 11

Operator: TAP

Inst : GC21

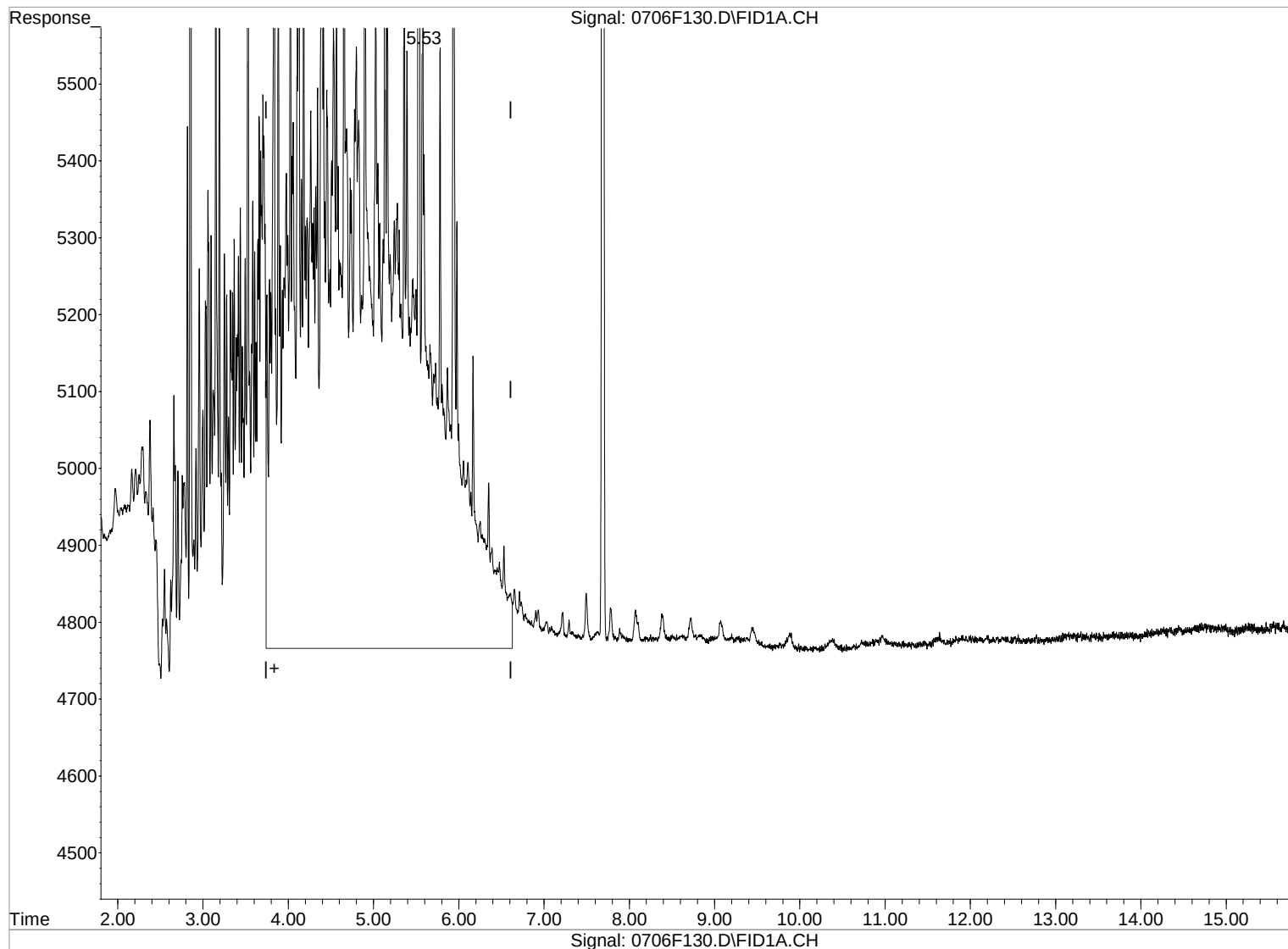
Multiplr: 1.00

Method : J:\GC21\METHODS\070620F.M (RTE Integrator)

Title : 8015/NWTPH/AK SVF MJ257 CAL16158

Last Update : Tue Jul 07 07:15:56 2020

Response via : Multiple Level Calibration



(8) C12-C25ex DRO [NWTPH] (H)

3.84min 53.277ppm

response 80115

Manual Integration:

After

Baseline/Shoulder

07/07/20

(+) = Expected Retention Time

Data File : J:\GC21\DATA\070620F\0706F131.D Vial: 12
 Acq On : 06 Jul 2020 6:56 pm Operator: TAP
 Sample : DRO SVF02-93A 200/10 Inst : GC21
 Misc : Multiplr: 1.00
 IntFile : rteint.p
 Quant Time: Jul 07 07:20:06 2020 Quant Results File: 070620F.RES

Quant Method : J:\GC21\METHODS\070620F.M (RTE Integrator)
 Title : 8015/NWTPH/AK SVF MJ257 CAL16158
 Last Update : Tue Jul 07 07:15:56 2020
 Response via : Initial Calibration
 DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
 Signal Phase : ZB-1
 Signal Info : 15m x 0.25mm x 1.0 um

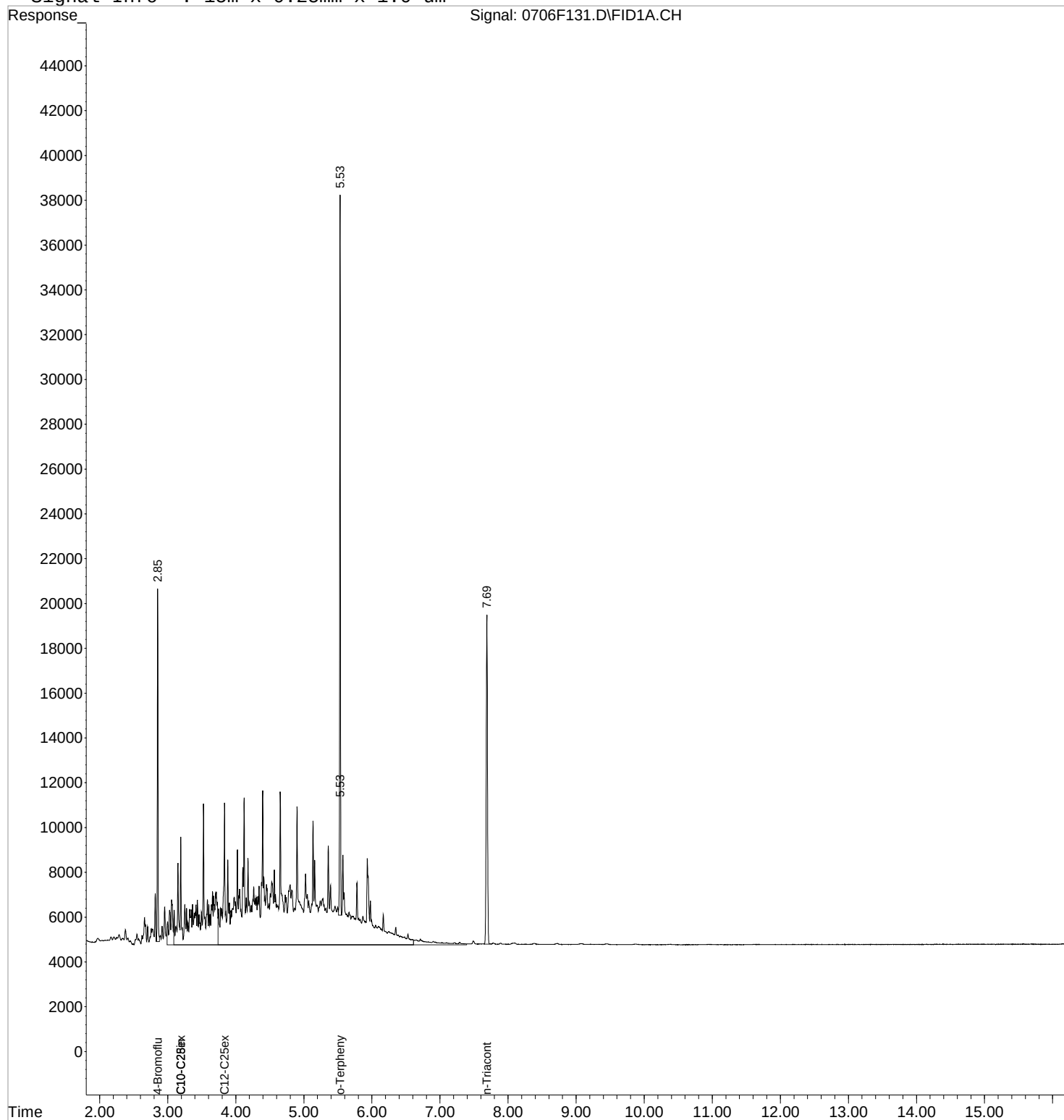
Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S 4-Bromofluorobenzene	2.85	11881	12.412 ppm
Spiked Amount 50.000	Recovery	=	24.82%
2) S o-Terphenyl	5.53	24208	12.655 ppm
Spiked Amount 50.000	Recovery	=	25.31%
3) S n-Triacontane	7.69	19907	13.131 ppm
Spiked Amount 50.000	Recovery	=	26.26%
Target Compounds			
6) H C10-C25ex DRO [AK102]	3.19	337489	187.395 ppm
7) H C10-C28in DRO [8015]	3.19	349076	187.305 ppm
8) H C12-C25ex DRO [NWTPH]	3.84	283992	188.856 ppm

Data File : J:\GC21\DATA\070620F\0706F131.D Vial: 12
Acq On : 06 Jul 2020 6:56 pm Operator: TAP
Sample : DRO SVF02-93A 200/10 Inst : GC21
Misc : Multiplr: 1.00
IntFile : rteint.p
Quant Time: Jul 7 7:20 2020 Quant Results File: 070620F.RES

Quant Method : J:\GC21\METHODS\070620F.M (RTE Integrator)
Title : 8015/NWTPH/AK SVF MJ257 CAL16158
Last Update : Tue Jul 07 07:15:56 2020
Response via : Single Level Calibration
DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
Signal Phase : ZB-1
Signal Info : 15m x 0.25mm x 1.0 um



Data File : J:\GC21\DATA\070620F\0706F132.D Vial: 13
 Acq On : 06 Jul 2020 7:19 pm Operator: TAP
 Sample : DRO SVF02-92K 500/25 Inst : GC21
 Misc : Multiplr: 1.00
 IntFile : rteint.p
 Quant Time: Jul 07 07:20:44 2020 Quant Results File: 070620F.RES

Quant Method : J:\GC21\METHODS\070620F.M (RTE Integrator)
 Title : 8015/NWTPH/AK SVF MJ257 CAL16158
 Last Update : Tue Jul 07 07:15:56 2020
 Response via : Initial Calibration
 DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
 Signal Phase : ZB-1
 Signal Info : 15m x 0.25mm x 1.0 um

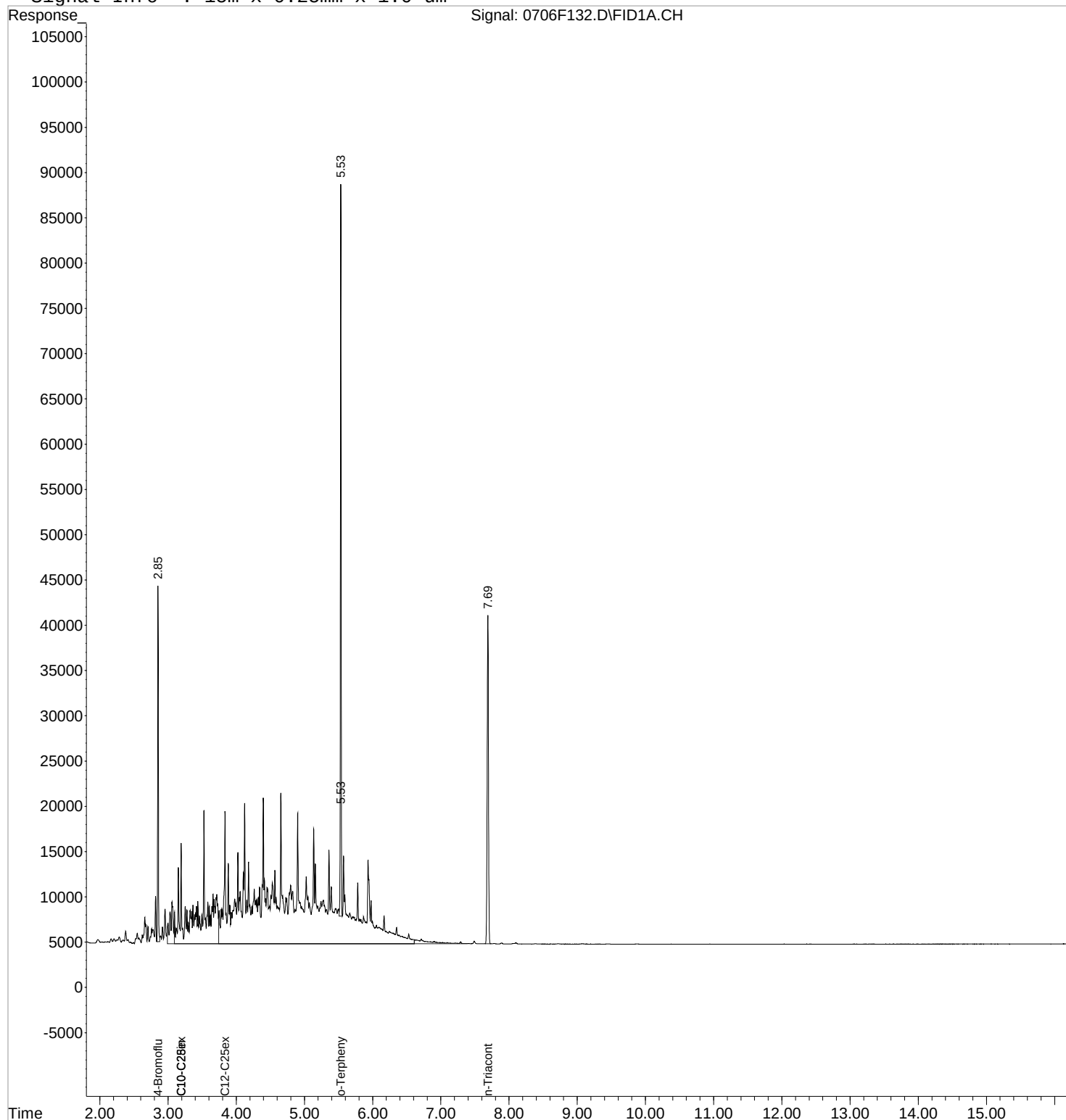
Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S 4-Bromofluorobenzene	2.85	29771	31.101 ppm
Spiked Amount 50.000	Recovery	=	62.20%
2) S o-Terphenyl	5.53	60749	31.757 ppm
Spiked Amount 50.000	Recovery	=	63.51%
3) S n-Triacontane	7.69	50077	33.032 ppm
Spiked Amount 50.000	Recovery	=	66.06%
Target Compounds			
6) H C10-C25ex DRO [AK102]	3.19	776581	431.207 ppm
7) H C10-C28in DRO [8015]	3.19	798545	428.479 ppm
8) H C12-C25ex DRO [NWTPH]	3.84	655625	435.995 ppm

Data File : J:\GC21\DATA\070620F\0706F132.D Vial: 13
Acq On : 06 Jul 2020 7:19 pm Operator: TAP
Sample : DRO SVF02-92K 500/25 Inst : GC21
Misc : Multiplr: 1.00
IntFile : rteint.p
Quant Time: Jul 7 7:21 2020 Quant Results File: 070620F.RES

Quant Method : J:\GC21\METHODS\070620F.M (RTE Integrator)
Title : 8015/NWTPH/AK SVF MJ257 CAL16158
Last Update : Tue Jul 07 07:15:56 2020
Response via : Single Level Calibration
DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
Signal Phase : ZB-1
Signal Info : 15m x 0.25mm x 1.0 um



Data File : J:\GC21\DATA\070620F\0706F133.D Vial: 14
 Acq On : 06 Jul 2020 7:41 pm Operator: TAP
 Sample : DRO SVF02-92J 2000/100 Inst : GC21
 Misc : Multiplr: 1.00
 IntFile : rteint.p
 Quant Time: Jul 07 07:22:13 2020 Quant Results File: 070620F.RES

Quant Method : J:\GC21\METHODS\070620F.M (RTE Integrator)
 Title : 8015/NWTPH/AK SVF MJ257 CAL16158
 Last Update : Tue Jul 07 07:15:56 2020
 Response via : Initial Calibration
 DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
 Signal Phase : ZB-1
 Signal Info : 15m x 0.25mm x 1.0 um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S 4-Bromofluorobenzene	2.85	110596	115.537 ppm
Spiked Amount 50.000	Recovery	=	231.07%
2) S o-Terphenyl	5.53	221697	115.894 ppm
Spiked Amount 50.000	Recovery	=	231.79%
3) S n-Triacontane	7.69	182585	120.436 ppm
Spiked Amount 50.000	Recovery	=	240.87%
Target Compounds			
6) H C10-C25ex DRO [AK102]	3.19	3043581	1689.988 ppm
7) H C10-C28in DRO [8015]	3.19	3133673	1681.448 ppm
8) H C12-C25ex DRO [NWTPH]	3.84	2569140	1708.494 ppm

Data File : J:\GC21\DATA\070620F\0706F133.D

Vial: 14

Acq On : 06 Jul 2020 7:41 pm

Operator: TAP

Sample : DRO SVF02-92J 2000/100

Inst : GC21

Misc :

Multiplr: 1.00

IntFile : rteint.p

Quant Time: Jul 7 7:22 2020 Quant Results File: 070620F.RES

Quant Method : J:\GC21\METHODS\070620F.M (RTE Integrator)

Title : 8015/NWTPH/AK SVF MJ257 CAL16158

Last Update : Tue Jul 07 07:15:56 2020

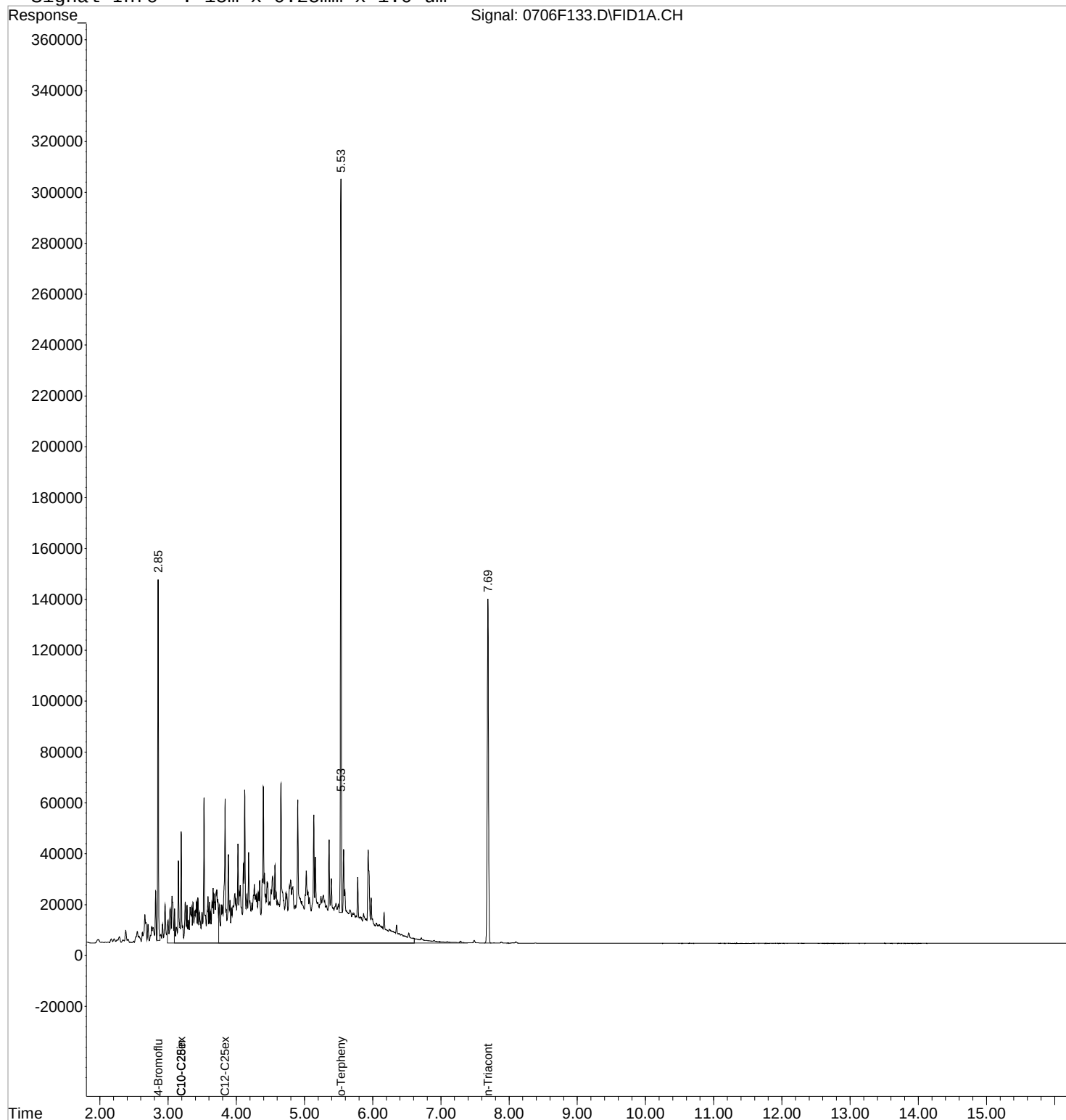
Response via : Single Level Calibration

DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL

Signal Phase : ZB-1

Signal Info : 15m x 0.25mm x 1.0 um



Data File : J:\GC21\DATA\070620F\0706F134.D Vial: 15
 Acq On : 06 Jul 2020 8:04 pm Operator: TAP
 Sample : DRO SVF02-92I 5000/250 Inst : GC21
 Misc : Multiplr: 1.00
 IntFile : rteint.p
 Quant Time: Jul 07 07:22:43 2020 Quant Results File: 070620F.RES

Quant Method : J:\GC21\METHODS\070620F.M (RTE Integrator)
 Title : 8015/NWTPH/AK SVF MJ257 CAL16158
 Last Update : Tue Jul 07 07:15:56 2020
 Response via : Initial Calibration
 DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
 Signal Phase : ZB-1
 Signal Info : 15m x 0.25mm x 1.0 um

Compound	R.T.	Response	Conc Units
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System Monitoring Compounds

1) S 4-Bromofluorobenzene	2.85	265573	277.437 ppm
Spiked Amount 50.000	Recovery	=	554.87%
2) S o-Terphenyl	5.53	527337	275.670 ppm
Spiked Amount 50.000	Recovery	=	551.34%
3) S n-Triacontane	7.69	438888	289.497 ppm
Spiked Amount 50.000	Recovery	=	578.99%

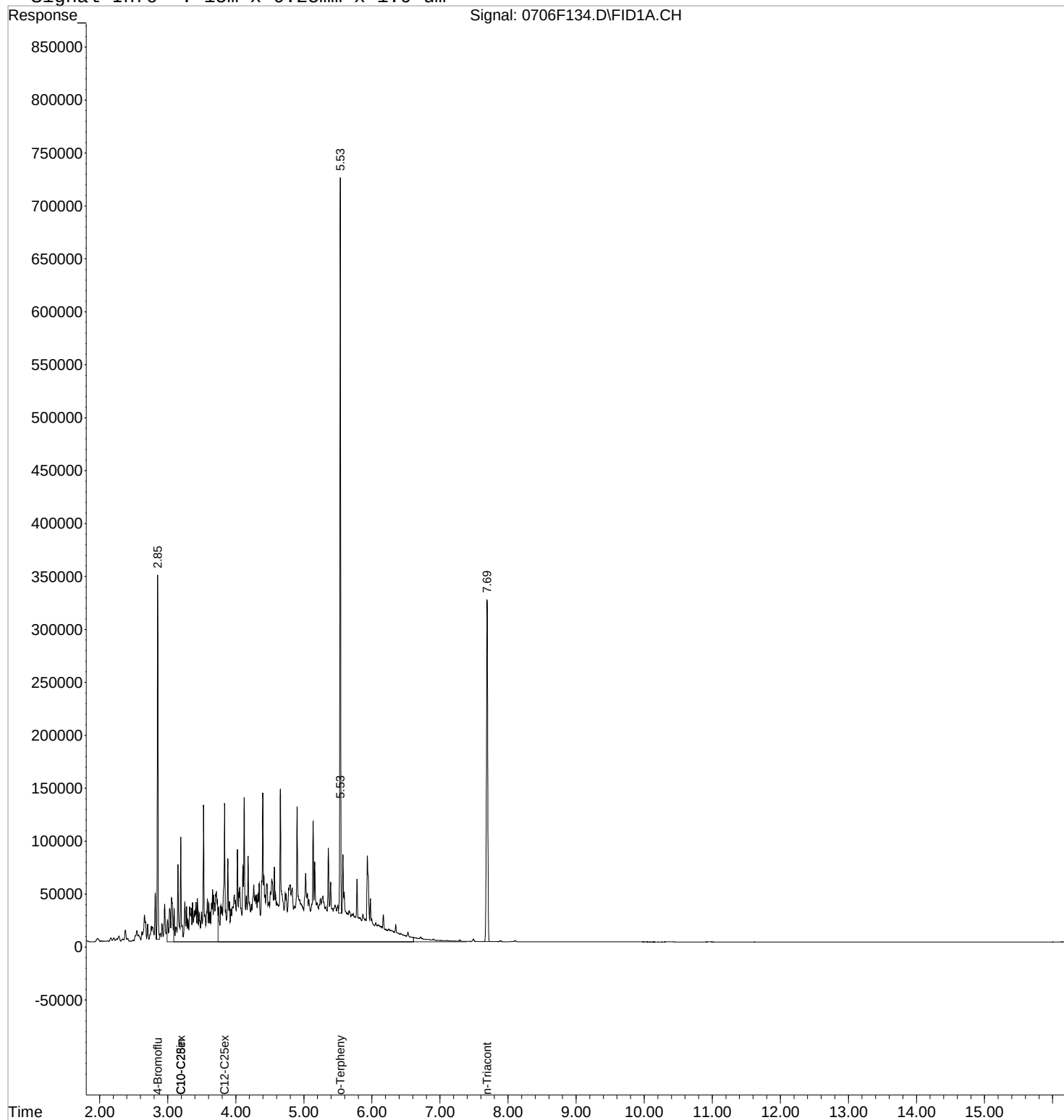
Target Compounds

6) H C10-C25ex DRO [AK102]	3.19	6907551	3835.509 ppm
7) H C10-C28in DRO [8015]	3.19	7120899	3820.890 ppm
8) H C12-C25ex DRO [NWTPH]	3.84	5827837	3875.548 ppm

Data File : J:\GC21\DATA\070620F\0706F134.D Vial: 15
Acq On : 06 Jul 2020 8:04 pm Operator: TAP
Sample : DRO SVF02-92I 5000/250 Inst : GC21
Misc : Multiplr: 1.00
IntFile : rteint.p
Quant Time: Jul 7 7:23 2020 Quant Results File: 070620F.RES

Quant Method : J:\GC21\METHODS\070620F.M (RTE Integrator)
Title : 8015/NWTPH/AK SVF MJ257 CAL16158
Last Update : Tue Jul 07 07:15:56 2020
Response via : Single Level Calibration
DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
Signal Phase : ZB-1
Signal Info : 15m x 0.25mm x 1.0 um



Data File : J:\GC21\DATA\070620F\0706F145.D Vial: 86
Acq On : 06 Jul 2020 11:49 pm Operator: TAP
Sample : ICAL BLANK Inst : GC21
Misc : Multiplr: 1.00
IntFile : rteint.p
Quant Time: Jul 07 07:43:18 2020 Quant Results File: 070620F.RES

Quant Method : J:\GC21\METHODS\070620F.M (RTE Integrator)
Title : 8015/NWTPH/AK SVF MJ257 CAL16158
Last Update : Tue Jul 07 07:41:23 2020
Response via : Initial Calibration
DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
Signal Phase : ZB-1
Signal Info : 15m x 0.25mm x 1.0 um

Compound	R.T.	Response	Conc Units
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System Monitoring Compounds

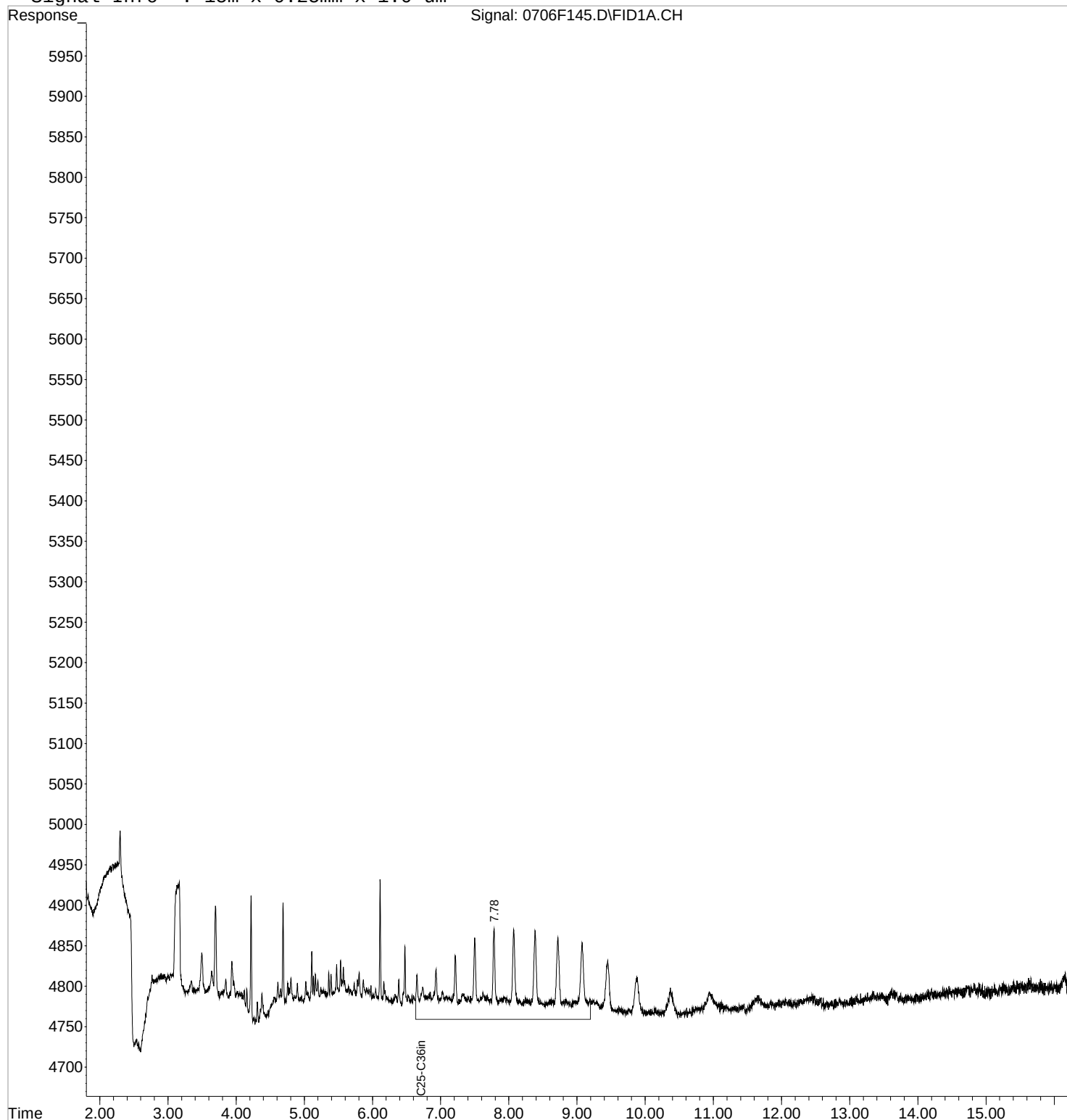
Target Compounds

10) H C25-C36in RRO [NWTPH]	6.71	4844	5.274 ppm
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Data File : J:\GC21\DATA\070620F\0706F145.D Vial: 86
Acq On : 06 Jul 2020 11:49 pm Operator: TAP
Sample : ICAL BLANK Inst : GC21
Misc : Multiplr: 1.00
IntFile : rteint.p
Quant Time: Jul 7 7:44 2020 Quant Results File: 070620F.RES

Quant Method : J:\GC21\METHODS\070620F.M (RTE Integrator)
Title : 8015/NWTPH/AK SVF MJ257 CAL16158
Last Update : Tue Jul 07 07:41:23 2020
Response via : Single Level Calibration
DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
Signal Phase : ZB-1
Signal Info : 15m x 0.25mm x 1.0 um



Data File : J:\GC21\DATA\070620F\0706F145.D

Vial: 86

Acq On : 06 Jul 2020 11:49 pm

Operator: TAP

Sample : ICAL BLANK

Inst : GC21

Misc :

Multiplr: 1.00

IntFile : rteint.p

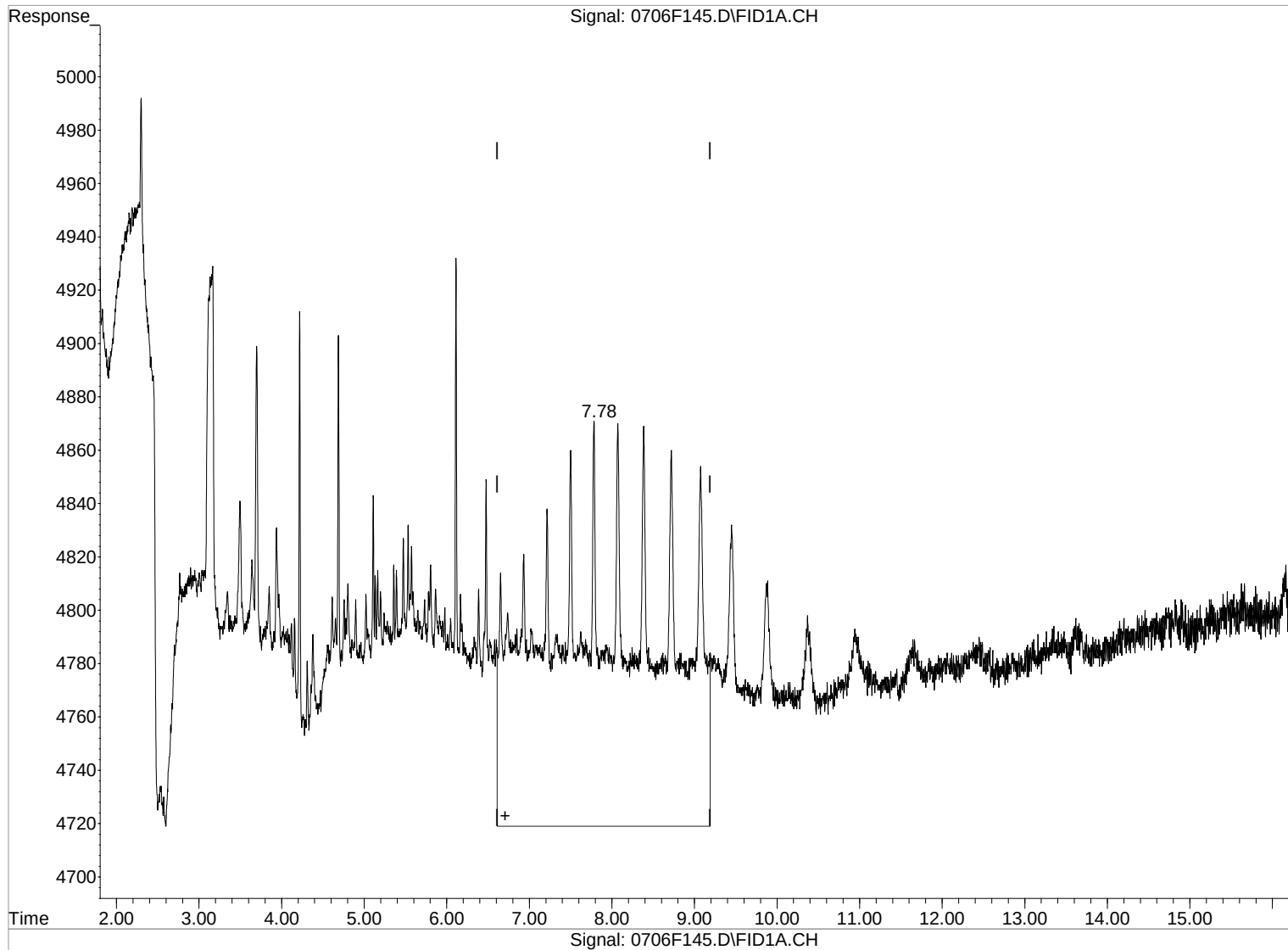
Quant Time: Jul 7 7:43 2020 Quant Results File: 070620F.RES

Method : J:\GC21\METHODS\070620F.M (RTE Integrator)

Title : 8015/NWTPH/AK SVF MJ257 CAL16158

Last Update : Tue Jul 07 07:41:23 2020

Response via : Multiple Level Calibration



(10) C25-C36in RRO [NWTPH] (H)

Manual Integration:

6.71min 12.048ppm

Before

response 11066

07/07/20

(+) = Expected Retention Time

Data File : J:\GC21\DATA\070620F\0706F145.D

Vial: 86

Acq On : 06 Jul 2020 11:49 pm

Operator: TAP

Sample : ICAL BLANK

Inst : GC21

Misc :

Multiplr: 1.00

IntFile : rteint.p

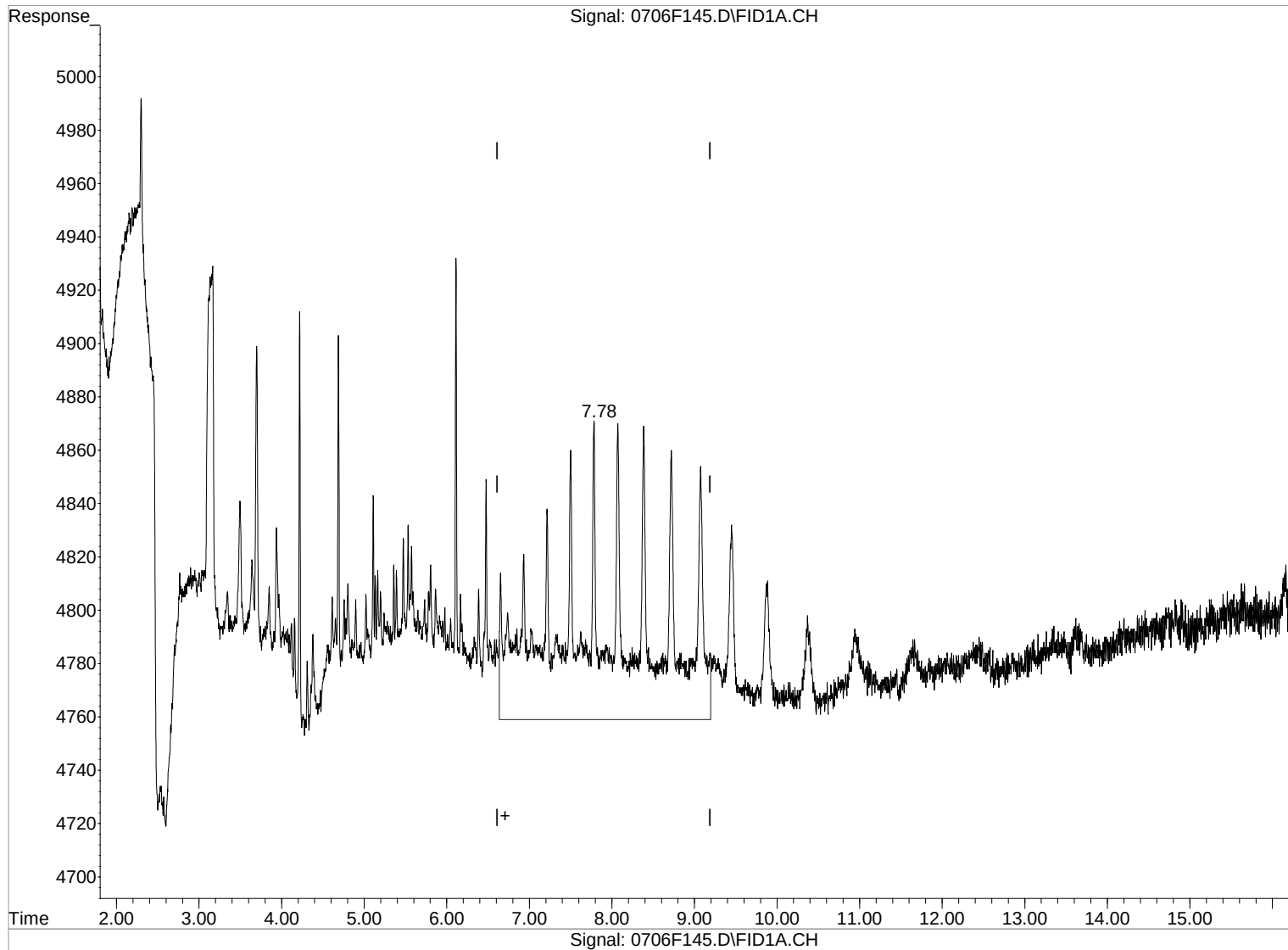
Quant Time: Jul 7 7:43 2020 Quant Results File: 070620F.RES

Method : J:\GC21\METHODS\070620F.M (RTE Integrator)

Title : 8015/NWTPH/AK SVF MJ257 CAL16158

Last Update : Tue Jul 07 07:41:23 2020

Response via : Multiple Level Calibration



(10) C25-C36in RRO [NWTPH] (H)

Manual Integration:

6.71min 5.274ppm

After

response 4844

Baseline/Shoulder

07/07/20

(+) = Expected Retention Time

Data File : J:\GC21\DATA\070620F\0706F146.D Vial: 20
Acq On : 07 Jul 2020 12:11 am Operator: TAP
Sample : RRO SVF02-93J 50 Inst : GC21
Misc : Multiplr: 1.00
IntFile : rteint.p
Quant Time: Jul 07 07:34:25 2020 Quant Results File: 070620F.RES

Quant Method : J:\GC21\METHODS\070620F.M (RTE Integrator)
Title : 8015/NWTPH/AK SVF MJ257 CAL16158
Last Update : Tue Jul 07 07:25:41 2020
Response via : Initial Calibration
DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
Signal Phase : ZB-1
Signal Info : 15m x 0.25mm x 1.0 um

Compound	R.T.	Response	Conc Units
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System Monitoring Compounds

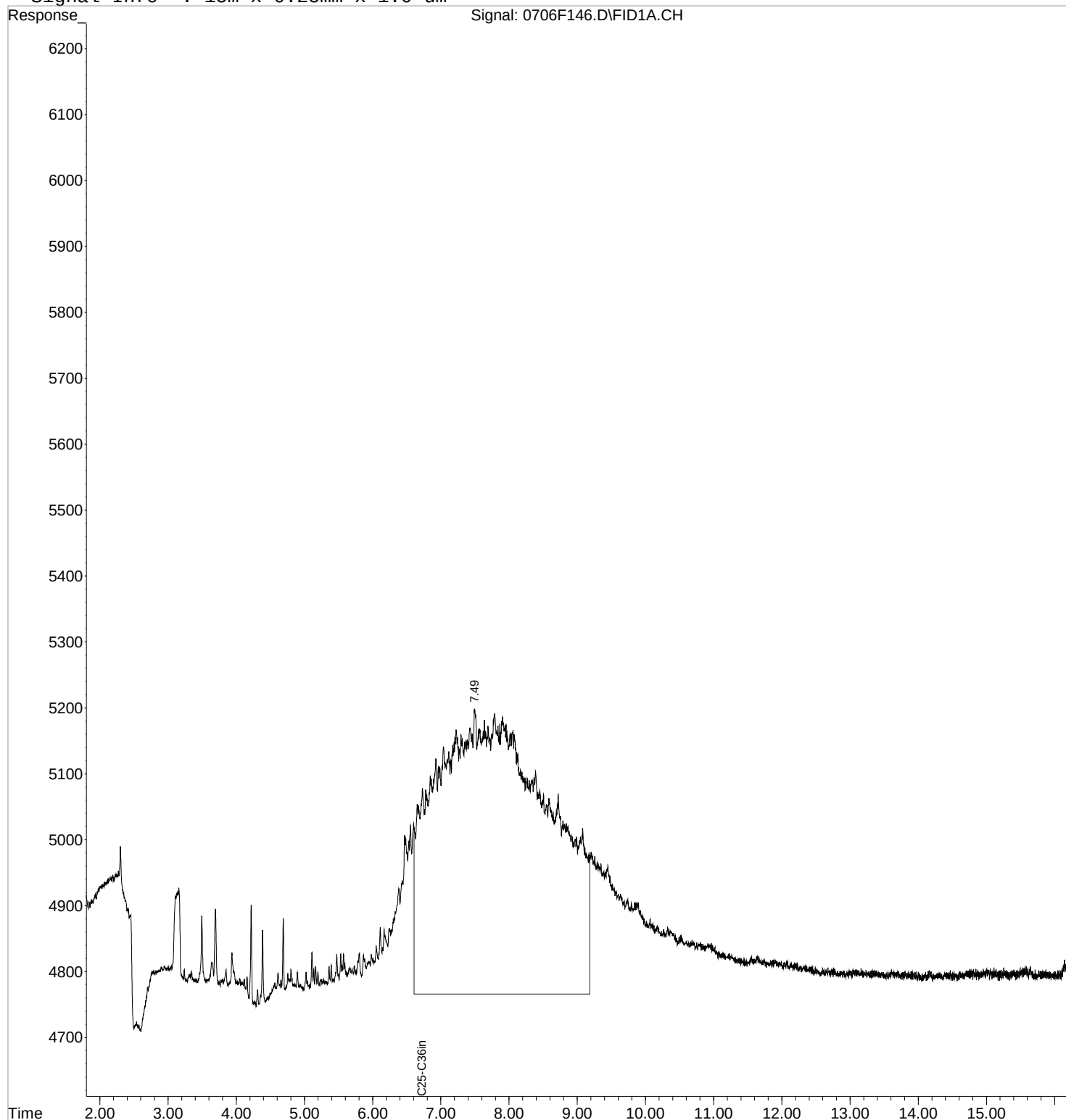
Target Compounds

10) H C25-C36in RRO [NWTPH]	6.71	50261	54.905 ppm
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Data File : J:\GC21\DATA\070620F\0706F146.D Vial: 20
Acq On : 07 Jul 2020 12:11 am Operator: TAP
Sample : RRO SVF02-93J 50 Inst : GC21
Misc : Multiplr: 1.00
IntFile : rteint.p
Quant Time: Jul 7 7:35 2020 Quant Results File: 070620F.RES

Quant Method : J:\GC21\METHODS\070620F.M (RTE Integrator)
Title : 8015/NWTPH/AK SVF MJ257 CAL16158
Last Update : Tue Jul 07 07:25:41 2020
Response via : Single Level Calibration
DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
Signal Phase : ZB-1
Signal Info : 15m x 0.25mm x 1.0 um



Data File : J:\GC21\DATA\070620F\0706F146.D

Vial: 20

Acq On : 07 Jul 2020 12:11 am

Operator: TAP

Sample : RRO SVF02-93J 50

Inst : GC21

Misc :

Multiplr: 1.00

IntFile : rteint.p

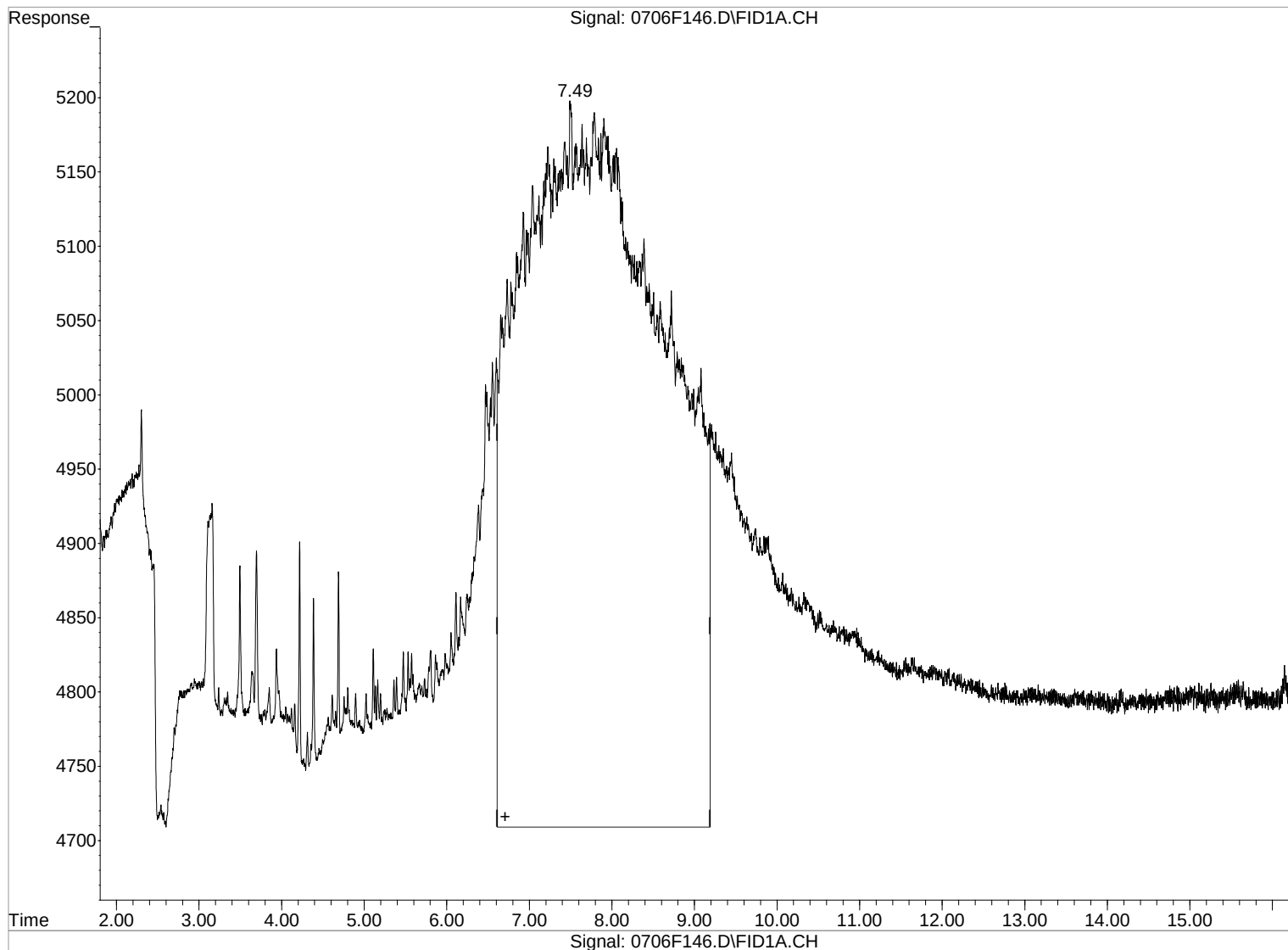
Quant Time: Jul 7 7:34 2020 Quant Results File: 070620F.RES

Method : J:\GC21\METHODS\070620F.M (RTE Integrator)

Title : 8015/NWTPH/AK SVF MJ257 CAL16158

Last Update : Tue Jul 07 07:25:41 2020

Response via : Multiple Level Calibration



(10) C25-C36in RRO [NWTPH] (H)

Manual Integration:

6.71min 64.605ppm

Before

response 59140

07/07/20

(+) = Expected Retention Time

Data File : J:\GC21\DATA\070620F\0706F146.D

Vial: 20

Acq On : 07 Jul 2020 12:11 am

Operator: TAP

Sample : RRO SVF02-93J 50

Inst : GC21

Misc :

Multiplr: 1.00

IntFile : rteint.p

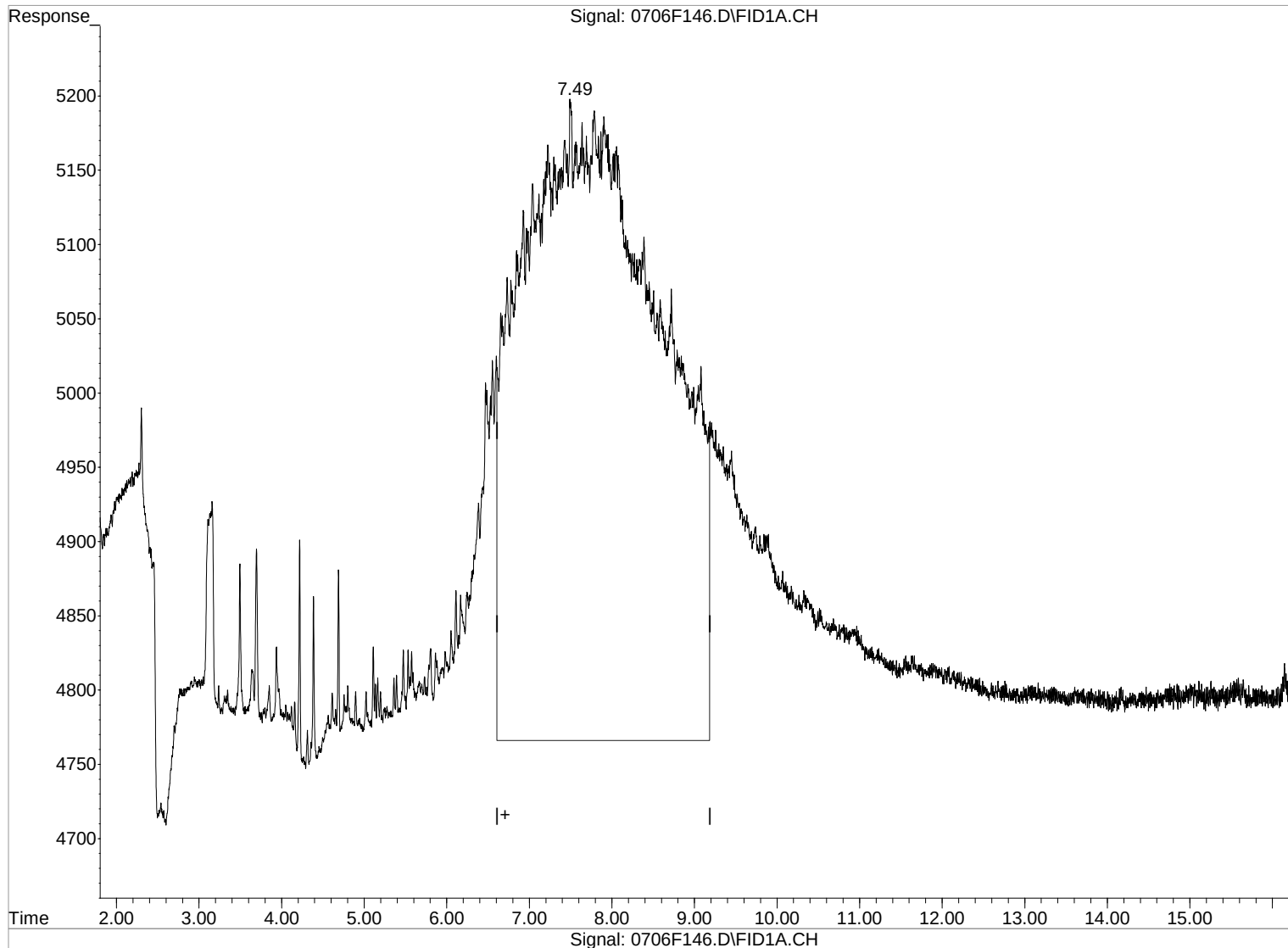
Quant Time: Jul 7 7:34 2020 Quant Results File: 070620F.RES

Method : J:\GC21\METHODS\070620F.M (RTE Integrator)

Title : 8015/NWTPH/AK SVF MJ257 CAL16158

Last Update : Tue Jul 07 07:25:41 2020

Response via : Multiple Level Calibration



(10) C25-C36in RRO [NWTPH] (H)

Manual Integration:

6.71min 54.905ppm

After

response 50261

Baseline/Shoulder

07/07/20

(+) = Expected Retention Time

Data File : J:\GC21\DATA\070620F\0706F147.D Vial: 21
Acq On : 07 Jul 2020 12:33 am Operator: TAP
Sample : RRO SVF02-93I 200 Inst : GC21
Misc : Multiplr: 1.00
IntFile : rteint.p
Quant Time: Jul 07 07:35:24 2020 Quant Results File: 070620F.RES

Quant Method : J:\GC21\METHODS\070620F.M (RTE Integrator)
Title : 8015/NWTPH/AK SVF MJ257 CAL16158
Last Update : Tue Jul 07 07:35:16 2020
Response via : Initial Calibration
DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
Signal Phase : ZB-1
Signal Info : 15m x 0.25mm x 1.0 um

Compound	R.T.	Response	Conc Units
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System Monitoring Compounds

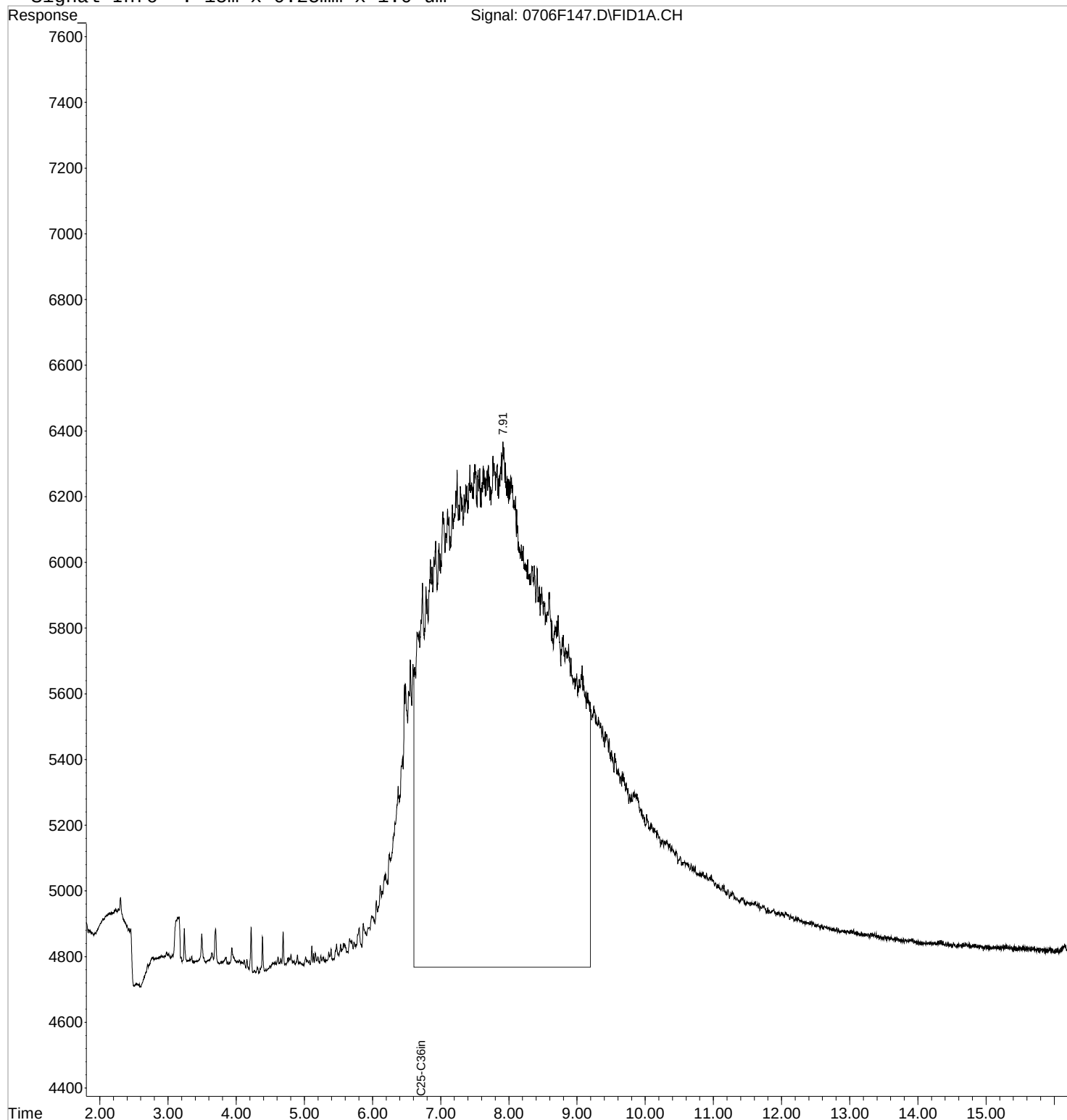
Target Compounds

10) H C25-C36in RRO [NWTPH]	6.71	189258	160.159 ppm
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Data File : J:\GC21\DATA\070620F\0706F147.D Vial: 21
Acq On : 07 Jul 2020 12:33 am Operator: TAP
Sample : RRO SVF02-93I 200 Inst : GC21
Misc : Multiplr: 1.00
IntFile : rteint.p
Quant Time: Jul 7 7:36 2020 Quant Results File: 070620F.RES

Quant Method : J:\GC21\METHODS\070620F.M (RTE Integrator)
Title : 8015/NWTPH/AK SVF MJ257 CAL16158
Last Update : Tue Jul 07 07:35:16 2020
Response via : Single Level Calibration
DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
Signal Phase : ZB-1
Signal Info : 15m x 0.25mm x 1.0 um



Data File : J:\GC21\DATA\070620F\0706F147.D

Acq On : 07 Jul 2020 12:33 am

Sample : RRO SVF02-93I 200

Misc :

IntFile : rteint.p

Quant Time: Jul 7 7:35 2020 Quant Results File: 070620F.RES

Vial: 21

Operator: TAP

Inst : GC21

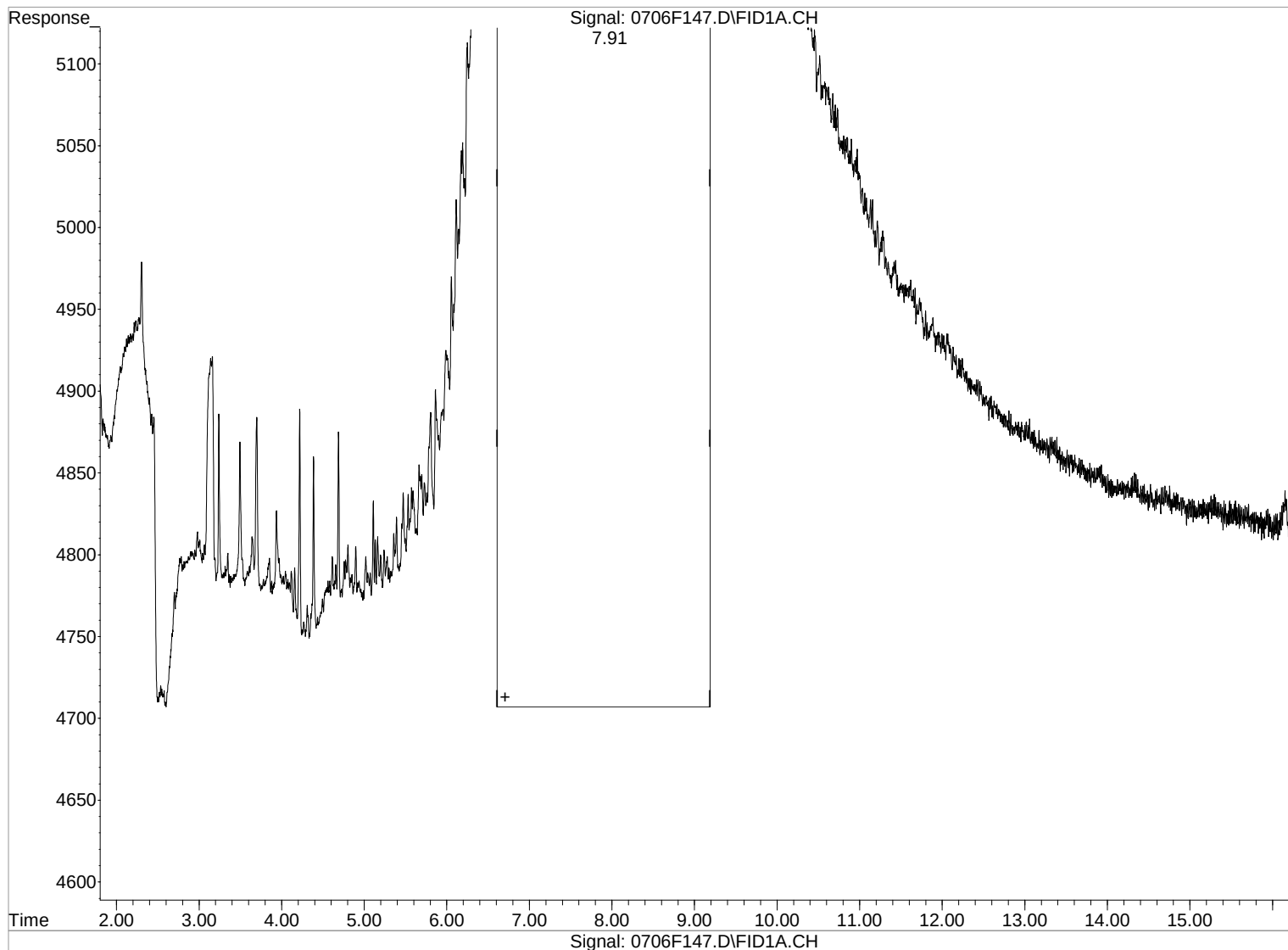
Multiplr: 1.00

Method : J:\GC21\METHODS\070620F.M (RTE Integrator)

Title : 8015/NWTPH/AK SVF MJ257 CAL16158

Last Update : Tue Jul 07 07:35:16 2020

Response via : Multiple Level Calibration



(10) C25-C36in RRO [NWTPH] (H)

6.71min 167.799ppm

response 198286

Manual Integration:

Before

07/07/20

(+) = Expected Retention Time

Data File : J:\GC21\DATA\070620F\0706F147.D

Acq On : 07 Jul 2020 12:33 am

Sample : RRO SVF02-93I 200

Misc :

IntFile : rteint.p

Quant Time: Jul 7 7:35 2020 Quant Results File: 070620F.RES

Vial: 21

Operator: TAP

Inst : GC21

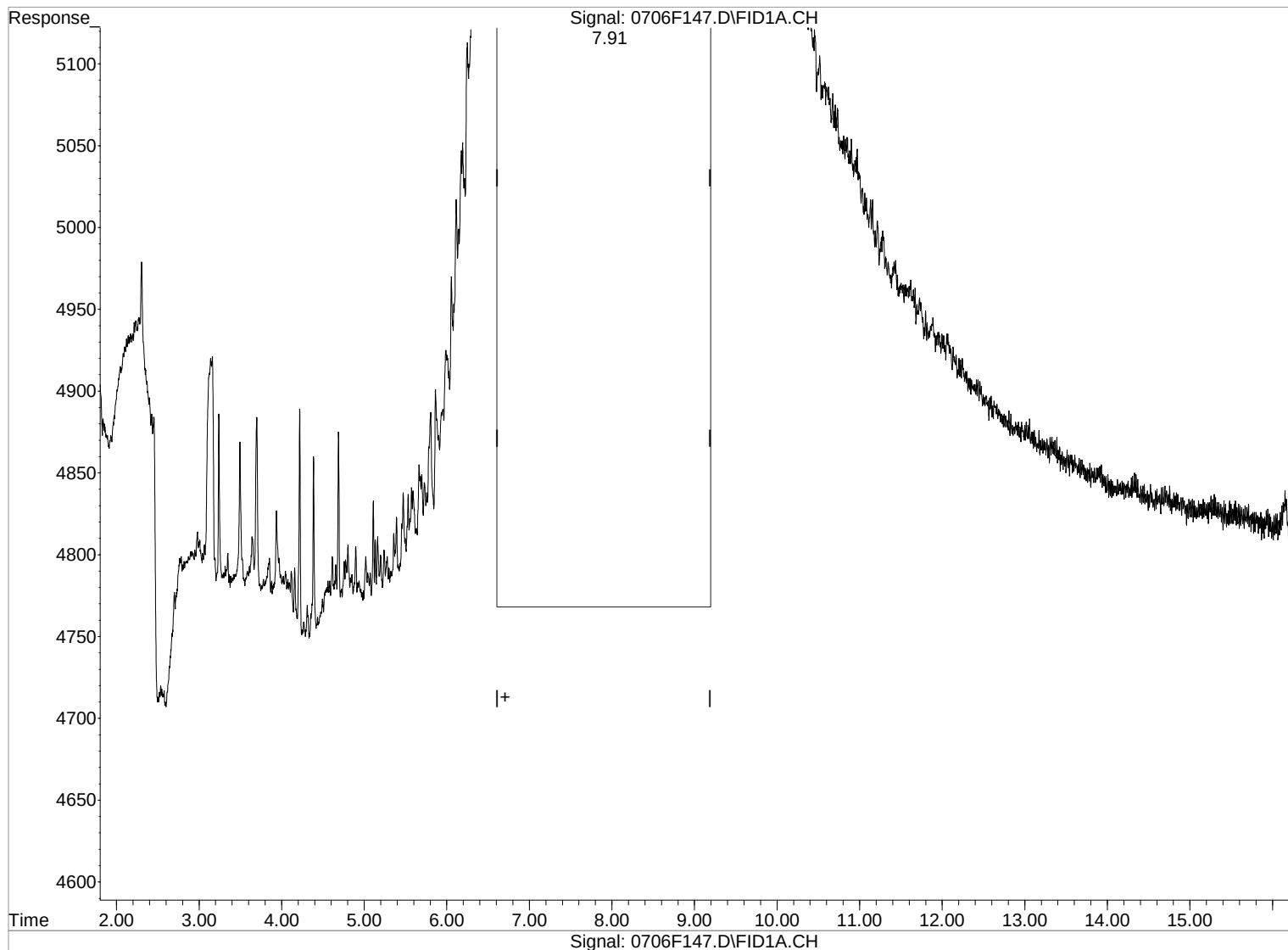
Multiplr: 1.00

Method : J:\GC21\METHODS\070620F.M (RTE Integrator)

Title : 8015/NWTPH/AK SVF MJ257 CAL16158

Last Update : Tue Jul 07 07:35:16 2020

Response via : Multiple Level Calibration



(10) C25-C36in RRO [NWTPH] (H)

6.71min 160.159ppm

response 189258

Manual Integration:

After

Baseline/Shoulder

07/07/20

(+) = Expected Retention Time

Data File : J:\GC21\DATA\070620F\0706F148.D Vial: 22
Acq On : 07 Jul 2020 12:56 am Operator: TAP
Sample : RRO SVF02-93H 500 Inst : GC21
Misc : Multiplr: 1.00
IntFile : rteint.p
Quant Time: Jul 07 07:36:12 2020 Quant Results File: 070620F.RES

Quant Method : J:\GC21\METHODS\070620F.M (RTE Integrator)
Title : 8015/NWTPH/AK SVF MJ257 CAL16158
Last Update : Tue Jul 07 07:35:16 2020
Response via : Initial Calibration
DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
Signal Phase : ZB-1
Signal Info : 15m x 0.25mm x 1.0 um

Compound	R.T.	Response	Conc Units
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System Monitoring Compounds

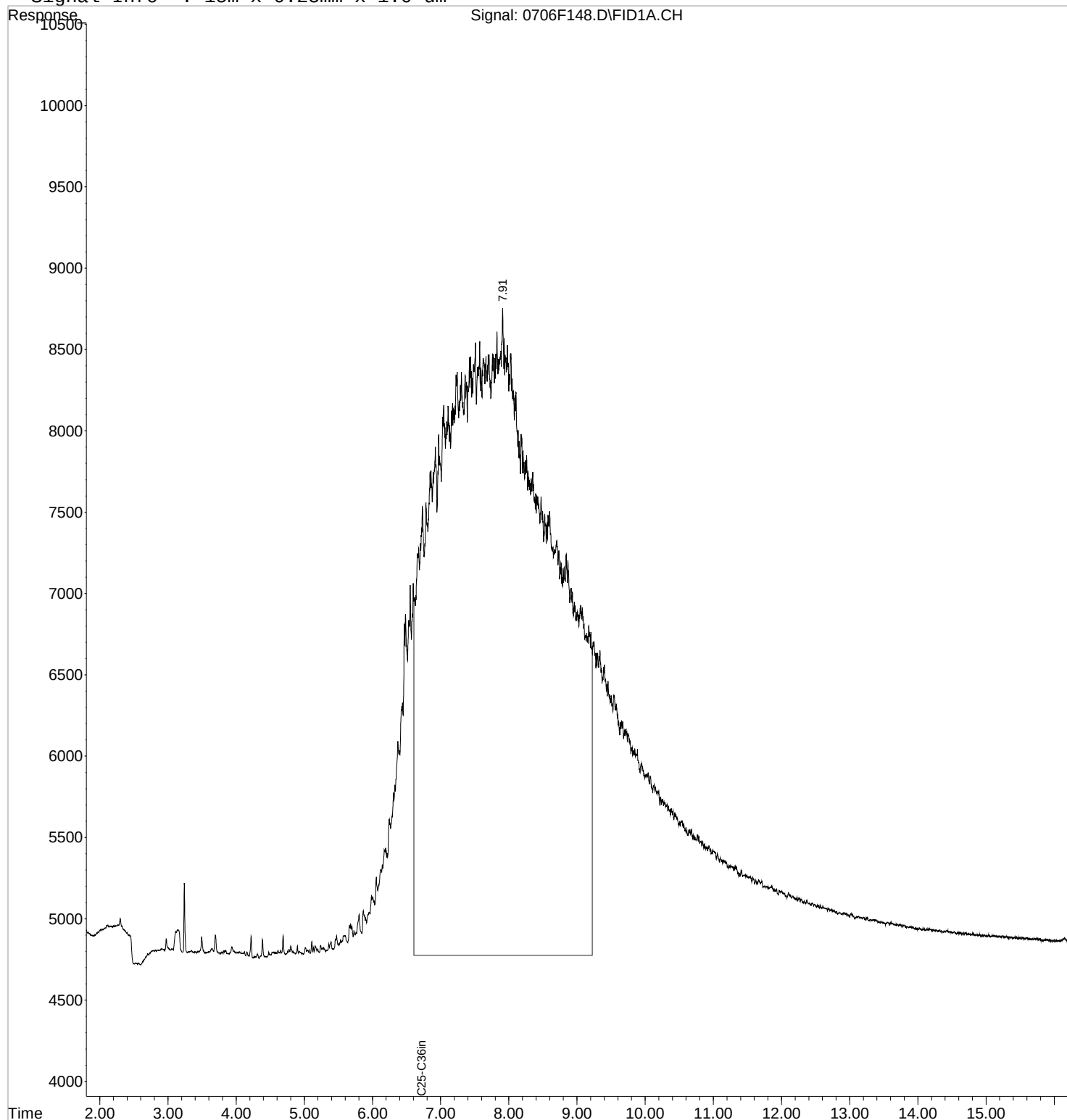
Target Compounds

10) H C25-C36in RRO [NWTPH]	6.71	463755	392.452 ppm
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Data File : J:\GC21\DATA\070620F\0706F148.D Vial: 22
Acq On : 07 Jul 2020 12:56 am Operator: TAP
Sample : RRO SVF02-93H 500 Inst : GC21
Misc : Multiplr: 1.00
IntFile : rteint.p
Quant Time: Jul 7 7:36 2020 Quant Results File: 070620F.RES

Quant Method : J:\GC21\METHODS\070620F.M (RTE Integrator)
Title : 8015/NWTPH/AK SVF MJ257 CAL16158
Last Update : Tue Jul 07 07:35:16 2020
Response via : Single Level Calibration
DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
Signal Phase : ZB-1
Signal Info : 15m x 0.25mm x 1.0 um



Data File : J:\GC21\DATA\070620F\0706F148.D

Acq On : 07 Jul 2020 12:56 am

Sample : RRO SVF02-93H 500

Misc :

IntFile : rteint.p

Quant Time: Jul 7 7:36 2020 Quant Results File: 070620F.RES

Vial: 22

Operator: TAP

Inst : GC21

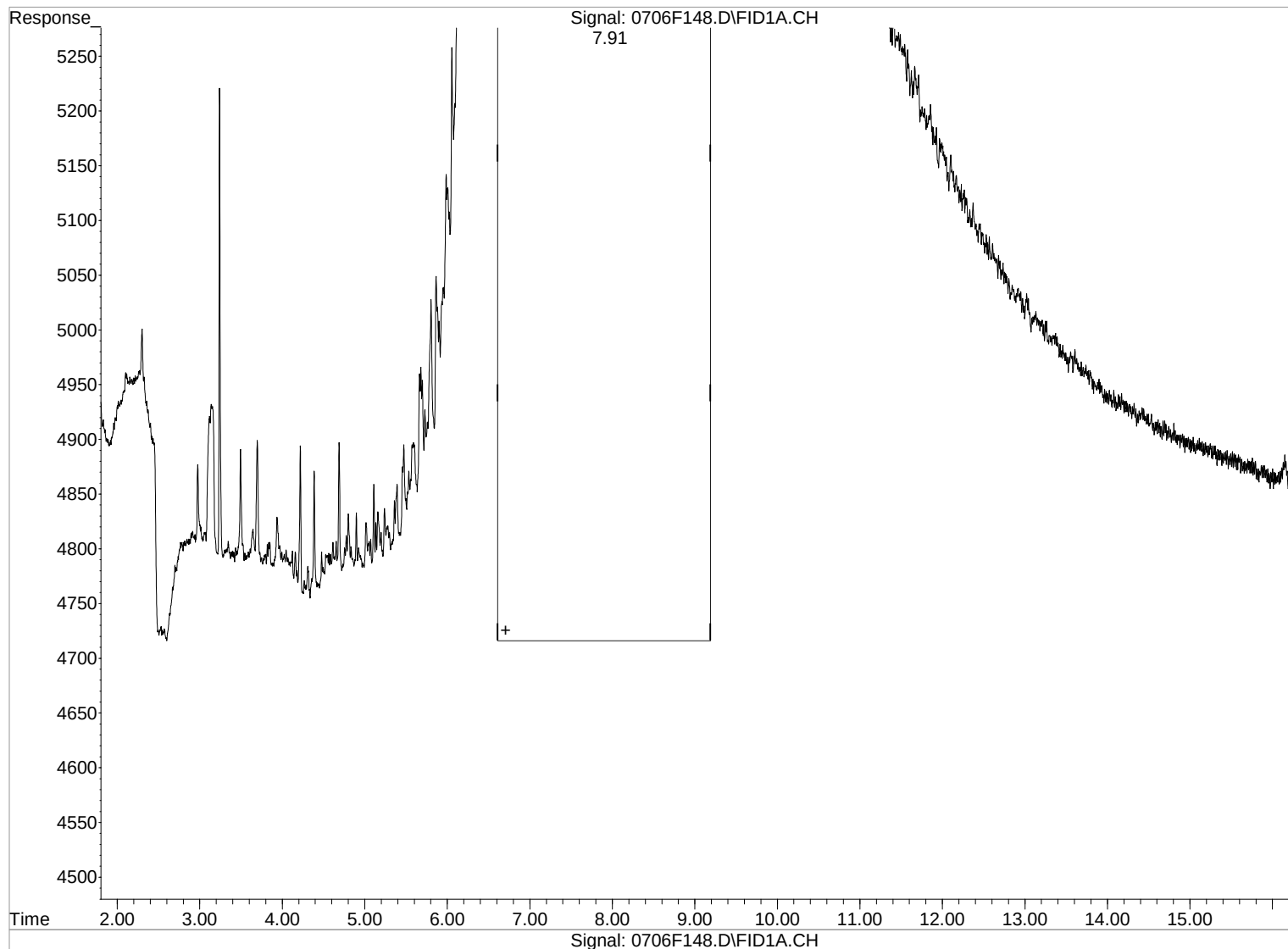
Multiplr: 1.00

Method : J:\GC21\METHODS\070620F.M (RTE Integrator)

Title : 8015/NWTPH/AK SVF MJ257 CAL16158

Last Update : Tue Jul 07 07:35:16 2020

Response via : Multiple Level Calibration



(10) C25-C36in RRO [NWTPH] (H)

6.71min 396.862ppm

response 468966

Manual Integration:

Before

07/07/20

(+) = Expected Retention Time

Data File : J:\GC21\DATA\070620F\0706F148.D

Acq On : 07 Jul 2020 12:56 am

Sample : RRO SVF02-93H 500

Misc :

IntFile : rteint.p

Quant Time: Jul 7 7:36 2020 Quant Results File: 070620F.RES

Vial: 22

Operator: TAP

Inst : GC21

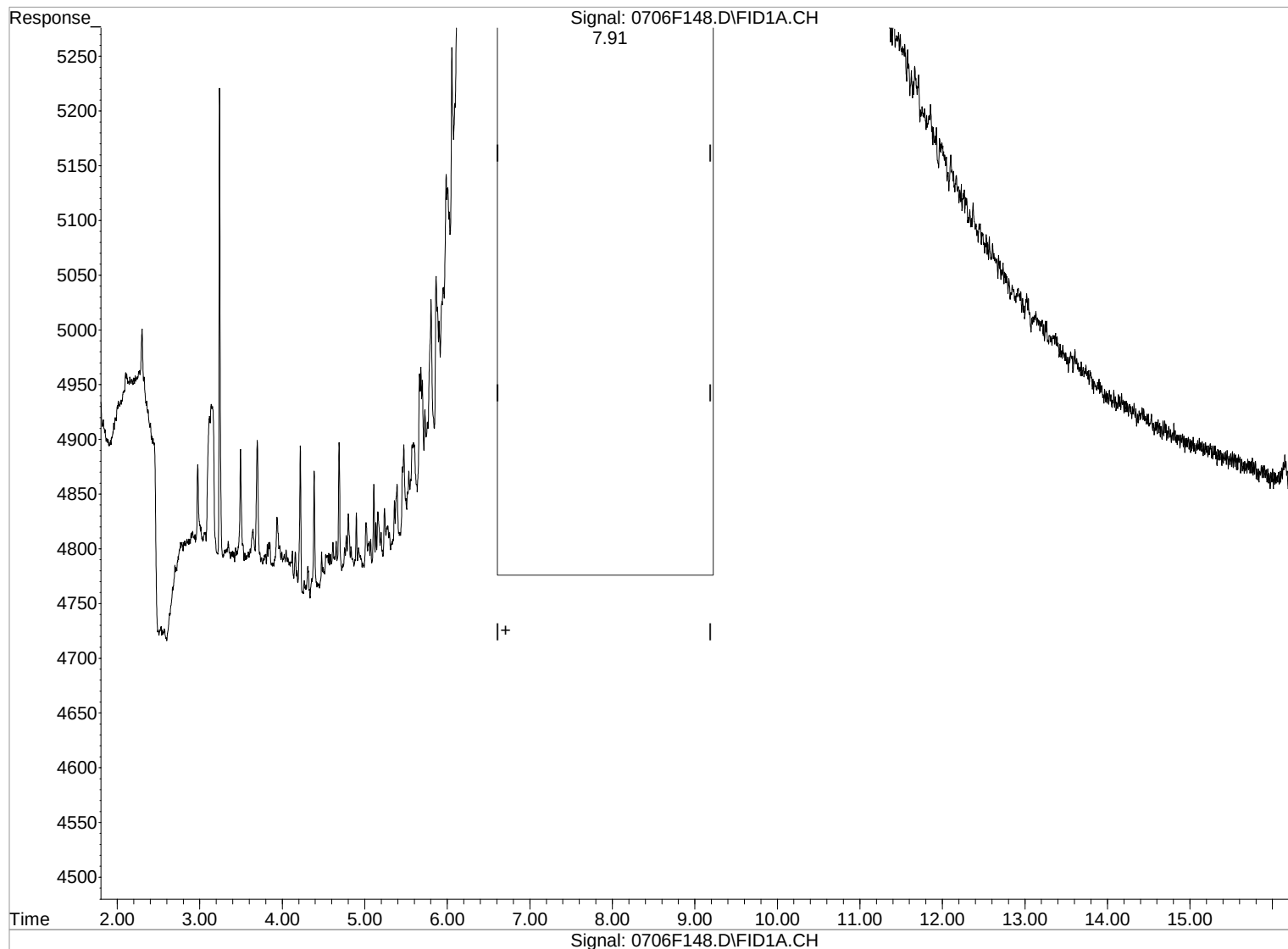
Multiplr: 1.00

Method : J:\GC21\METHODS\070620F.M (RTE Integrator)

Title : 8015/NWTPH/AK SVF MJ257 CAL16158

Last Update : Tue Jul 07 07:35:16 2020

Response via : Multiple Level Calibration



(10) C25-C36in RRO [NWTPH] (H)

6.71min 392.452ppm

response 463755

Manual Integration:

After

Baseline/Shoulder

07/07/20

(+) = Expected Retention Time

Data File : J:\GC21\DATA\070620F\0706F149.D Vial: 23
Acq On : 07 Jul 2020 1:18 am Operator: TAP
Sample : RRO SVF02-93G 2000 Inst : GC21
Misc : Multiplr: 1.00
IntFile : rteint.p
Quant Time: Jul 07 07:36:58 2020 Quant Results File: 070620F.RES

Quant Method : J:\GC21\METHODS\070620F.M (RTE Integrator)
Title : 8015/NWTPH/AK SVF MJ257 CAL16158
Last Update : Tue Jul 07 07:35:16 2020
Response via : Initial Calibration
DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
Signal Phase : ZB-1
Signal Info : 15m x 0.25mm x 1.0 um

Compound	R.T.	Response	Conc Units
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System Monitoring Compounds

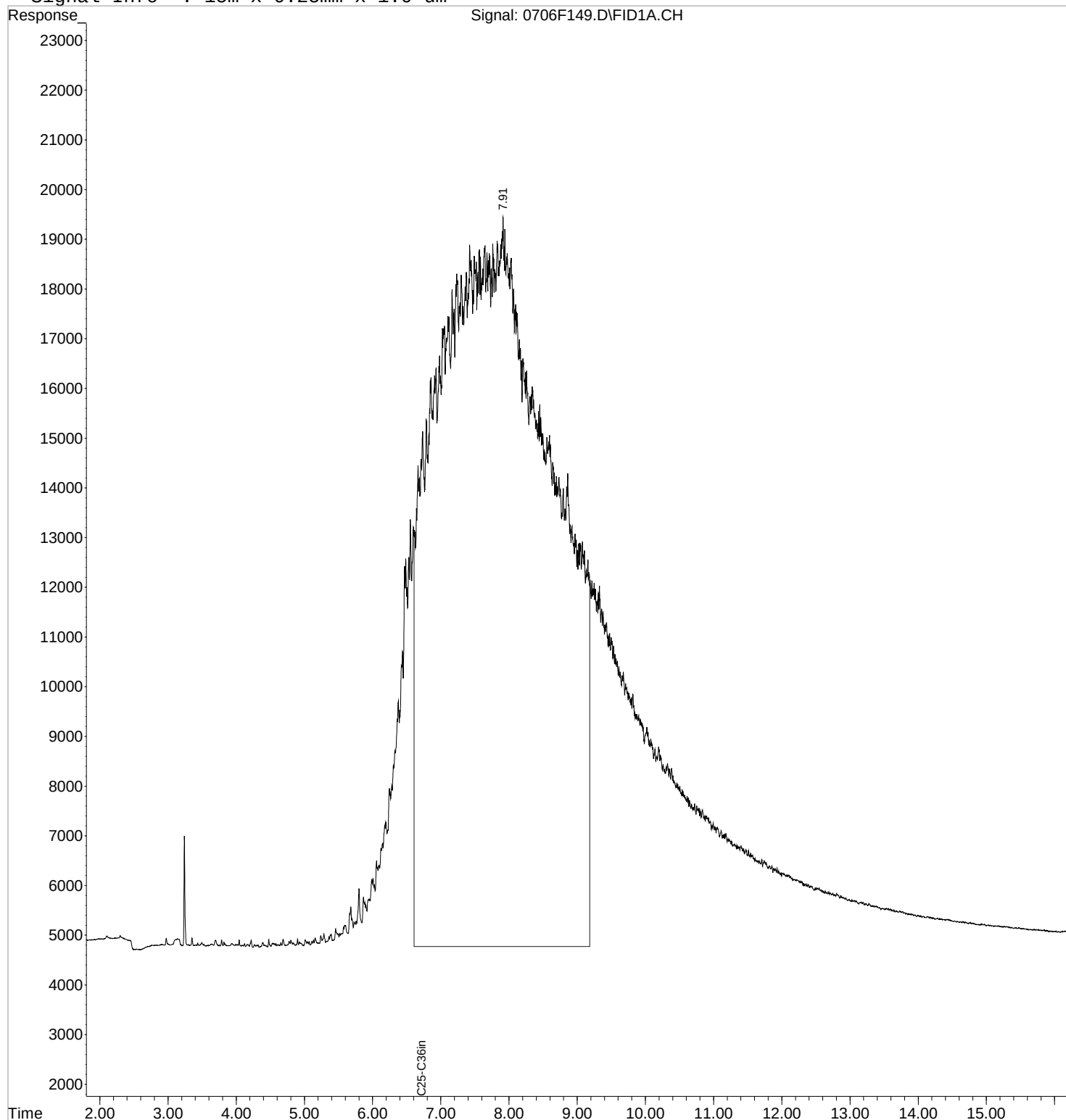
Target Compounds

10) H C25-C36in RRO [NWTPH]	6.71	1733115	1466.646 ppm
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Data File : J:\GC21\DATA\070620F\0706F149.D Vial: 23
Acq On : 07 Jul 2020 1:18 am Operator: TAP
Sample : RRO SVF02-93G 2000 Inst : GC21
Misc : Multiplr: 1.00
IntFile : rteint.p
Quant Time: Jul 7 7:38 2020 Quant Results File: 070620F.RES

Quant Method : J:\GC21\METHODS\070620F.M (RTE Integrator)
Title : 8015/NWTPH/AK SVF MJ257 CAL16158
Last Update : Tue Jul 07 07:35:16 2020
Response via : Single Level Calibration
DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
Signal Phase : ZB-1
Signal Info : 15m x 0.25mm x 1.0 um



Data File : J:\GC21\DATA\070620F\0706F149.D

Acq On : 07 Jul 2020 1:18 am

Sample : RRO SVF02-93G 2000

Misc :

IntFile : rteint.p

Quant Time: Jul 7 7:36 2020 Quant Results File: 070620F.RES

Vial: 23

Operator: TAP

Inst : GC21

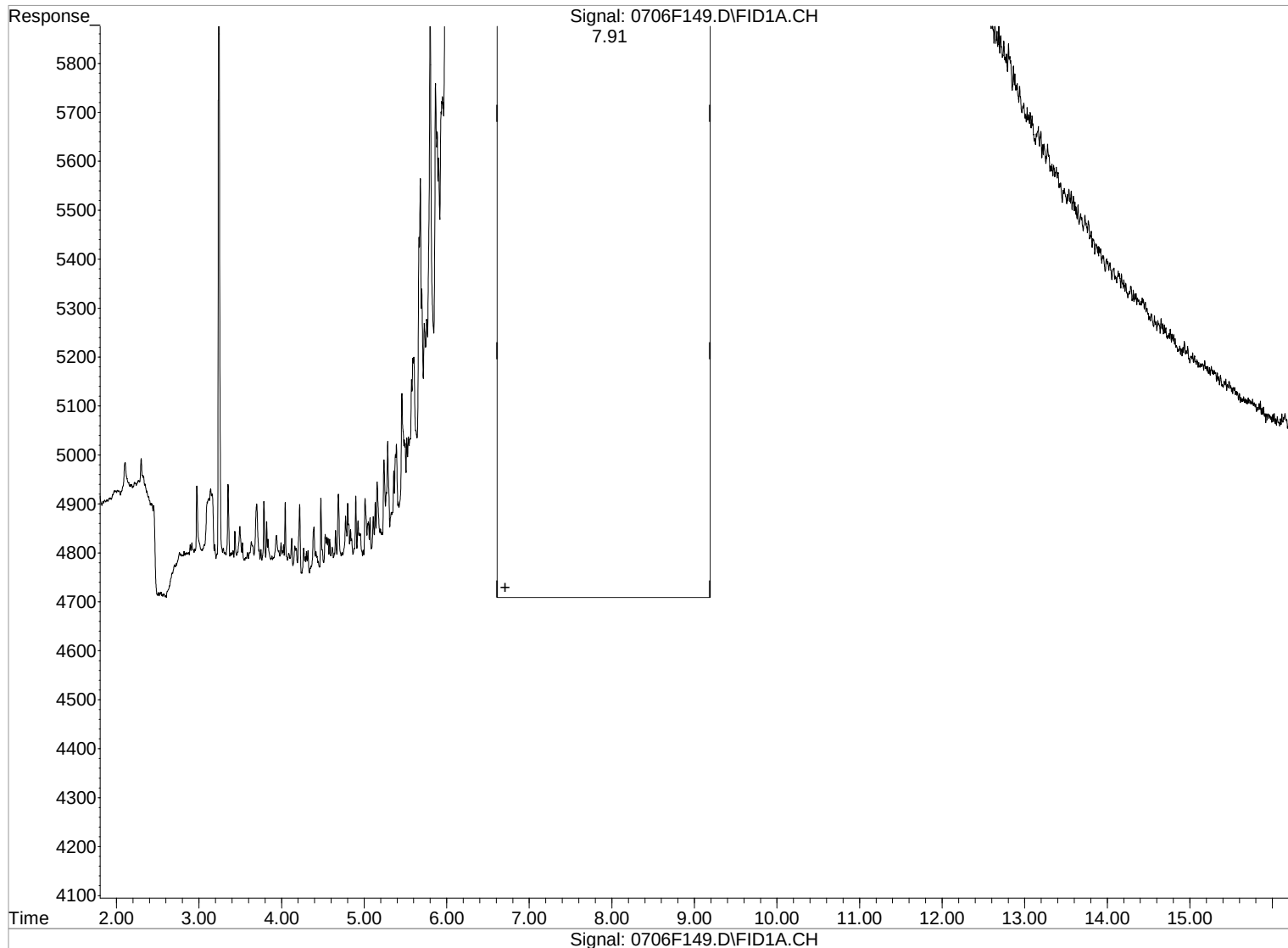
Multiplr: 1.00

Method : J:\GC21\METHODS\070620F.M (RTE Integrator)

Title : 8015/NWTPH/AK SVF MJ257 CAL16158

Last Update : Tue Jul 07 07:37:54 2020

Response via : Multiple Level Calibration



(10) C25-C36in RRO [NWTPH] (H)

Manual Integration:

6.71min 1477.070ppm

Before

response 1745433

07/07/20

(+) = Expected Retention Time

Data File : J:\GC21\DATA\070620F\0706F149.D

Acq On : 07 Jul 2020 1:18 am

Sample : RRO SVF02-93G 2000

Misc :

IntFile : rteint.p

Quant Time: Jul 7 7:36 2020 Quant Results File: 070620F.RES

Vial: 23

Operator: TAP

Inst : GC21

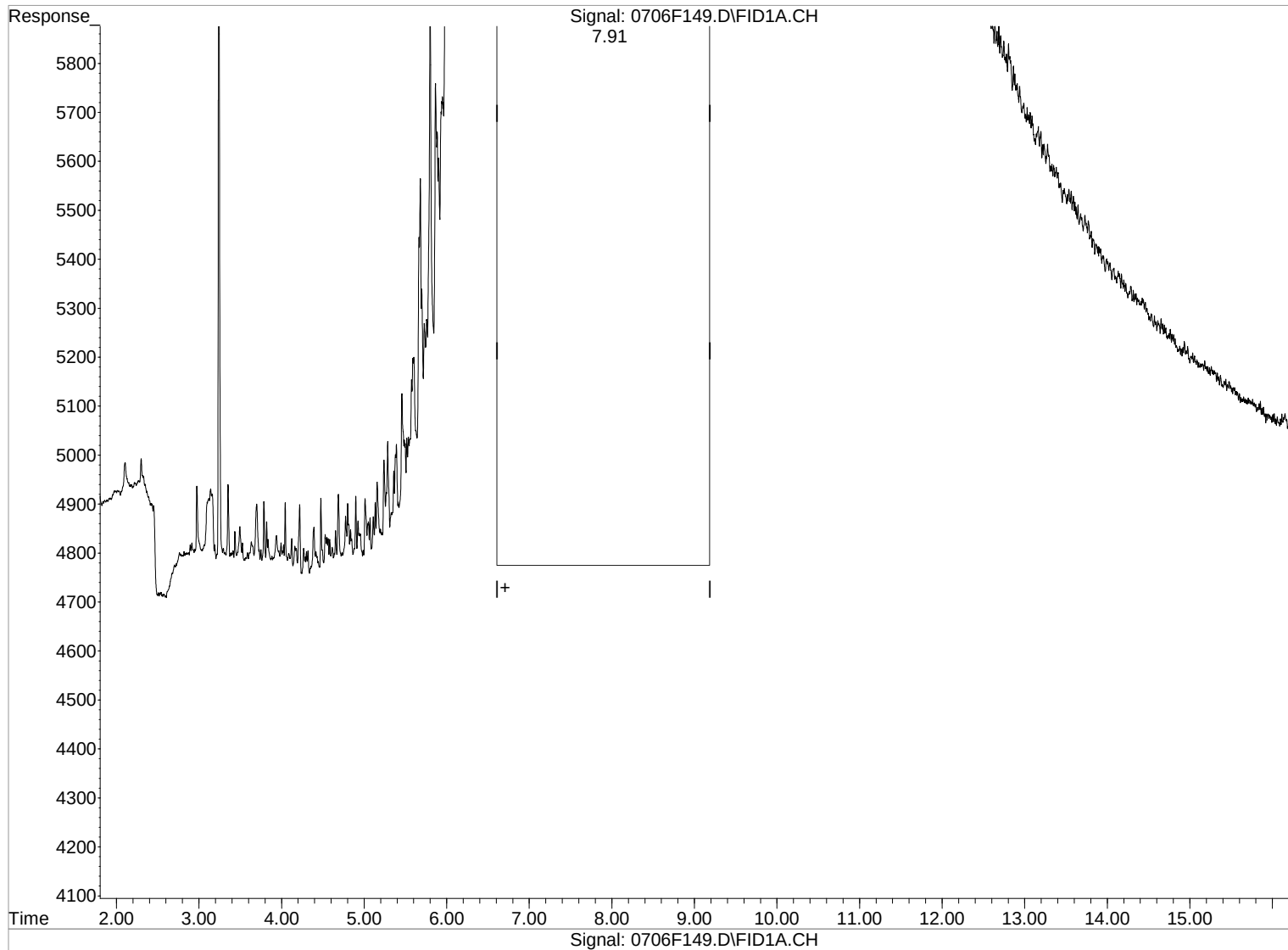
Multiplr: 1.00

Method : J:\GC21\METHODS\070620F.M (RTE Integrator)

Title : 8015/NWTPH/AK SVF MJ257 CAL16158

Last Update : Tue Jul 07 07:37:54 2020

Response via : Multiple Level Calibration



(10) C25-C36in RRO [NWTPH] (H)

6.71min 1466.646ppm

response 1733115

Manual Integration:

After

Baseline/Shoulder

07/07/20

(+) = Expected Retention Time

0706F149.D 070620F.M Tue Jul 07 07:38 2020 Page 200 of 438

Data File : J:\GC21\DATA\070620F\0706F150.D Vial: 24
Acq On : 07 Jul 2020 1:41 am Operator: TAP
Sample : RRO SVF02-93F 5000 Inst : GC21
Misc : Multiplr: 1.00
IntFile : rteint.p
Quant Time: Jul 07 07:38:52 2020 Quant Results File: 070620F.RES

Quant Method : J:\GC21\METHODS\070620F.M (RTE Integrator)
Title : 8015/NWTPH/AK SVF MJ257 CAL16158
Last Update : Tue Jul 07 07:38:43 2020
Response via : Initial Calibration
DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
Signal Phase : ZB-1
Signal Info : 15m x 0.25mm x 1.0 um

Compound	R.T.	Response	Conc Units
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System Monitoring Compounds

Target Compounds

10) H C25-C36in RRO [NWTPH]	6.71	4234730	3590.104 ppm
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Data File : J:\GC21\DATA\070620F\0706F150.D

Vial: 24

Acq On : 07 Jul 2020 1:41 am

Operator: TAP

Sample : RRO SVF02-93F 5000

Inst : GC21

Misc :

Multiplr: 1.00

IntFile : rteint.p

Quant Time: Jul 7 7:39 2020 Quant Results File: 070620F.RES

Quant Method : J:\GC21\METHODS\070620F.M (RTE Integrator)

Title : 8015/NWTPH/AK SVF MJ257 CAL16158

Last Update : Tue Jul 07 07:38:43 2020

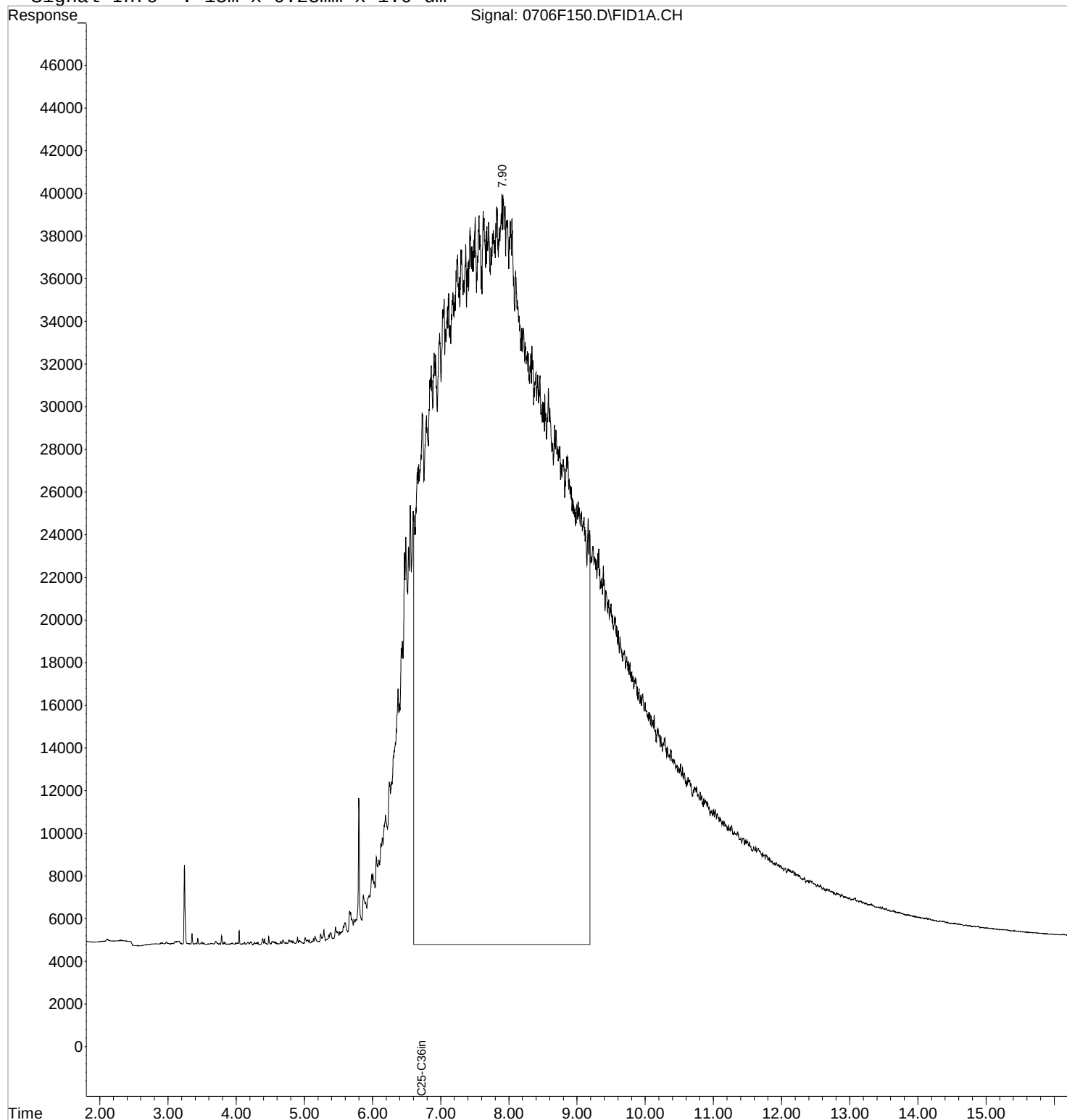
Response via : Single Level Calibration

DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL

Signal Phase : ZB-1

Signal Info : 15m x 0.25mm x 1.0 um



Data File : J:\GC21\DATA\070620F\0706F150.D

Vial: 24

Acq On : 07 Jul 2020 1:41 am

Operator: TAP

Sample : RRO SVF02-93F 5000

Inst : GC21

Misc :

Multiplr: 1.00

IntFile : rteint.p

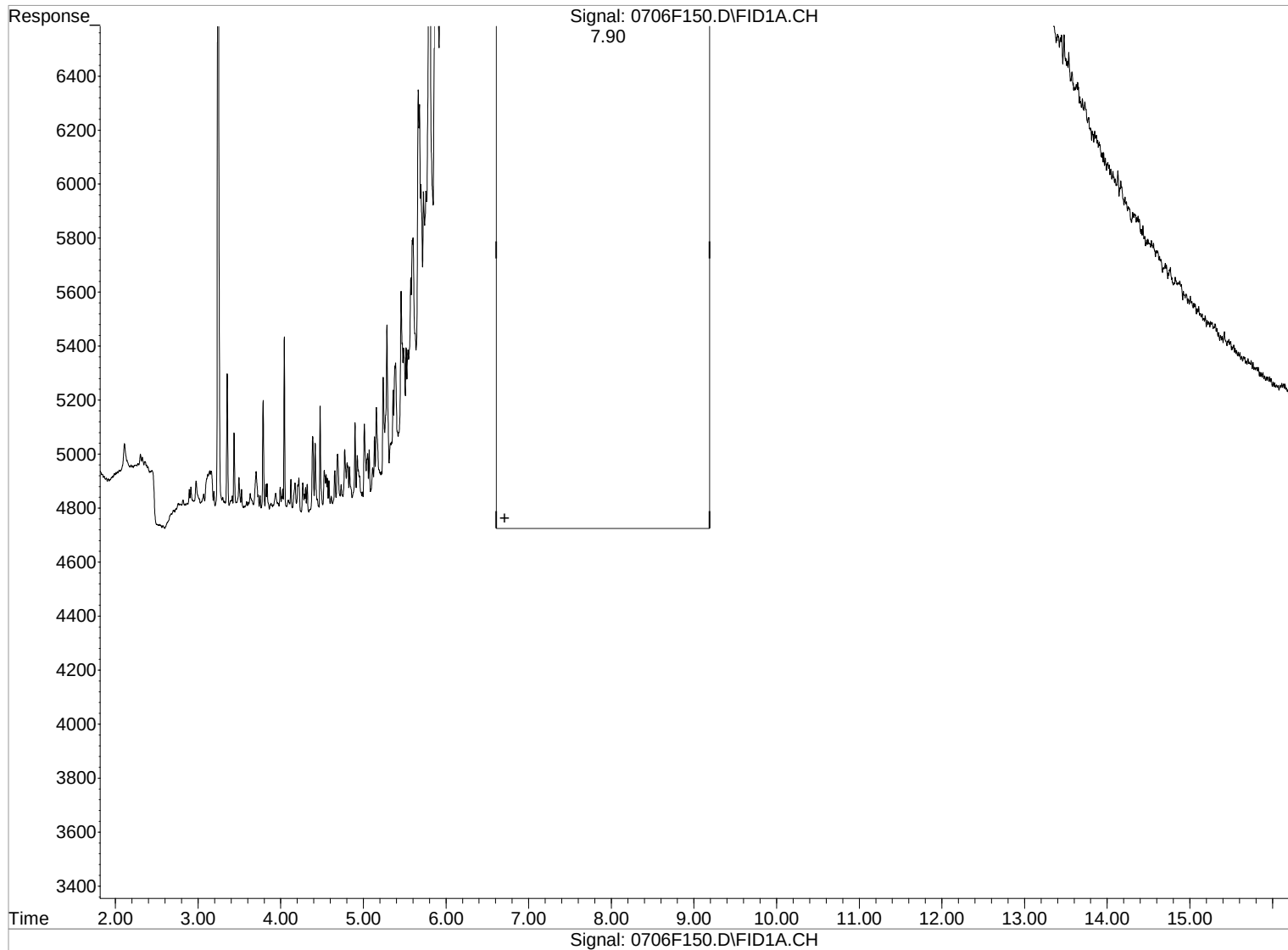
Quant Time: Jul 7 7:38 2020 Quant Results File: 070620F.RES

Method : J:\GC21\METHODS\070620F.M (RTE Integrator)

Title : 8015/NWTPH/AK SVF MJ257 CAL16158

Last Update : Tue Jul 07 07:38:43 2020

Response via : Multiple Level Calibration



(10) C25-C36in RRO [NWTPH] (H)

Manual Integration:

6.71min 3594.476ppm

Before

response 4239887

07/07/20

(+) = Expected Retention Time

Data File : J:\GC21\DATA\070620F\0706F150.D

Acq On : 07 Jul 2020 1:41 am

Sample : RRO SVF02-93F 5000

Misc :

IntFile : rteint.p

Quant Time: Jul 7 7:38 2020 Quant Results File: 070620F.RES

Vial: 24

Operator: TAP

Inst : GC21

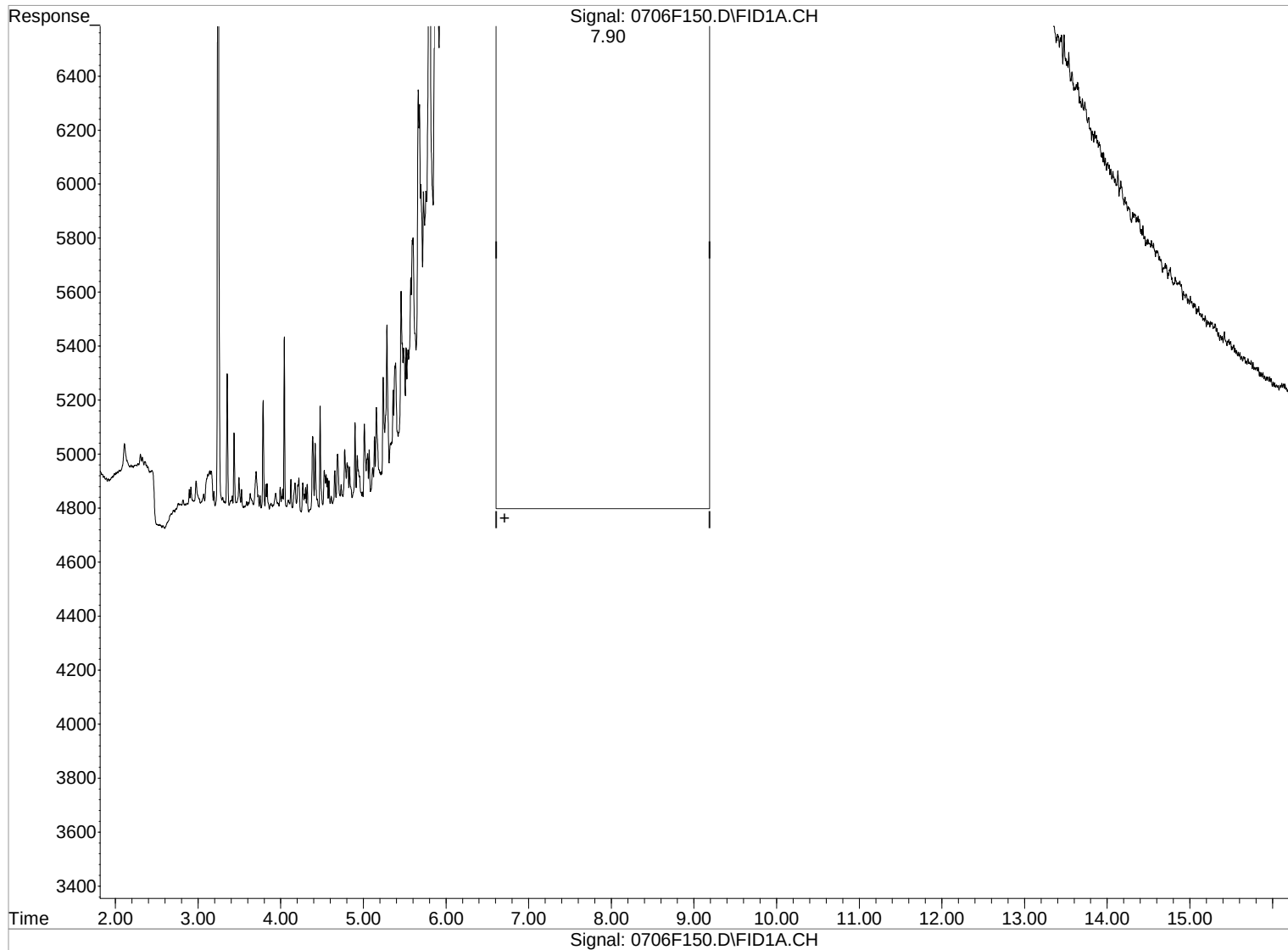
Multiplr: 1.00

Method : J:\GC21\METHODS\070620F.M (RTE Integrator)

Title : 8015/NWTPH/AK SVF MJ257 CAL16158

Last Update : Tue Jul 07 07:38:43 2020

Response via : Multiple Level Calibration



(10) C25-C36in RRO [NWTPH] (H)

6.71min 3590.104ppm

response 4234730

Manual Integration:

After

Baseline/Shoulder

07/07/20

(+) = Expected Retention Time

Data File : J:\GC21\DATA\070620F\0706F151.D Vial: 86
Acq On : 07 Jul 2020 2:03 am Operator: TAP
Sample : IB Inst : GC21
Misc : Multiplr: 1.00
IntFile : rteint.p
Quant Time: Jul 07 07:42:28 2020 Quant Results File: 070620F.RES

Quant Method : J:\GC21\METHODS\070620F.M (RTE Integrator)
Title : 8015/NWTPH/AK SVF MJ257 CAL16158
Last Update : Tue Jul 07 07:41:23 2020
Response via : Initial Calibration
DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
Signal Phase : ZB-1
Signal Info : 15m x 0.25mm x 1.0 um

Compound	R.T.	Response	Conc Units
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System Monitoring Compounds

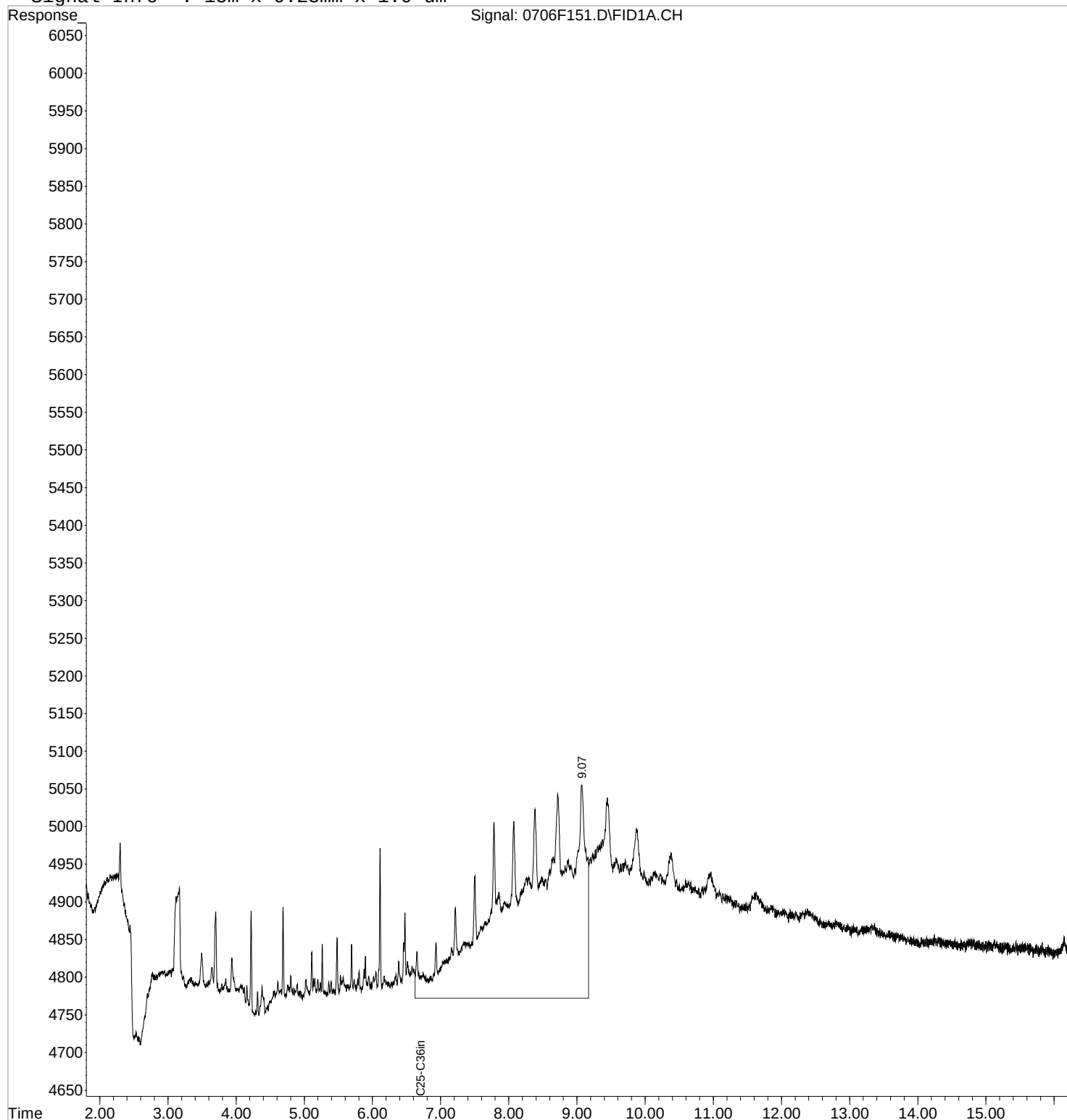
Target Compounds

10) H C25-C36in RRO [NWTPH]	6.71	18614	20.266 ppm
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Data File : J:\GC21\DATA\070620F\0706F151.D Vial: 86
Acq On : 07 Jul 2020 2:03 am Operator: TAP
Sample : IB Inst : GC21
Misc : Multiplr: 1.00
IntFile : rteint.p
Quant Time: Jul 7 7:43 2020 Quant Results File: 070620F.RES

Quant Method : J:\GC21\METHODS\070620F.M (RTE Integrator)
Title : 8015/NWTPH/AK SVF MJ257 CAL16158
Last Update : Tue Jul 07 07:41:23 2020
Response via : Single Level Calibration
DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
Signal Phase : ZB-1
Signal Info : 15m x 0.25mm x 1.0 um



Data File : J:\GC21\DATA\070620F\0706F151.D

Acq On : 07 Jul 2020 2:03 am

Sample : IB

Misc :

IntFile : rteint.p

Quant Time: Jul 7 7:42 2020 Quant Results File: 070620F.RES

Vial: 86

Operator: TAP

Inst : GC21

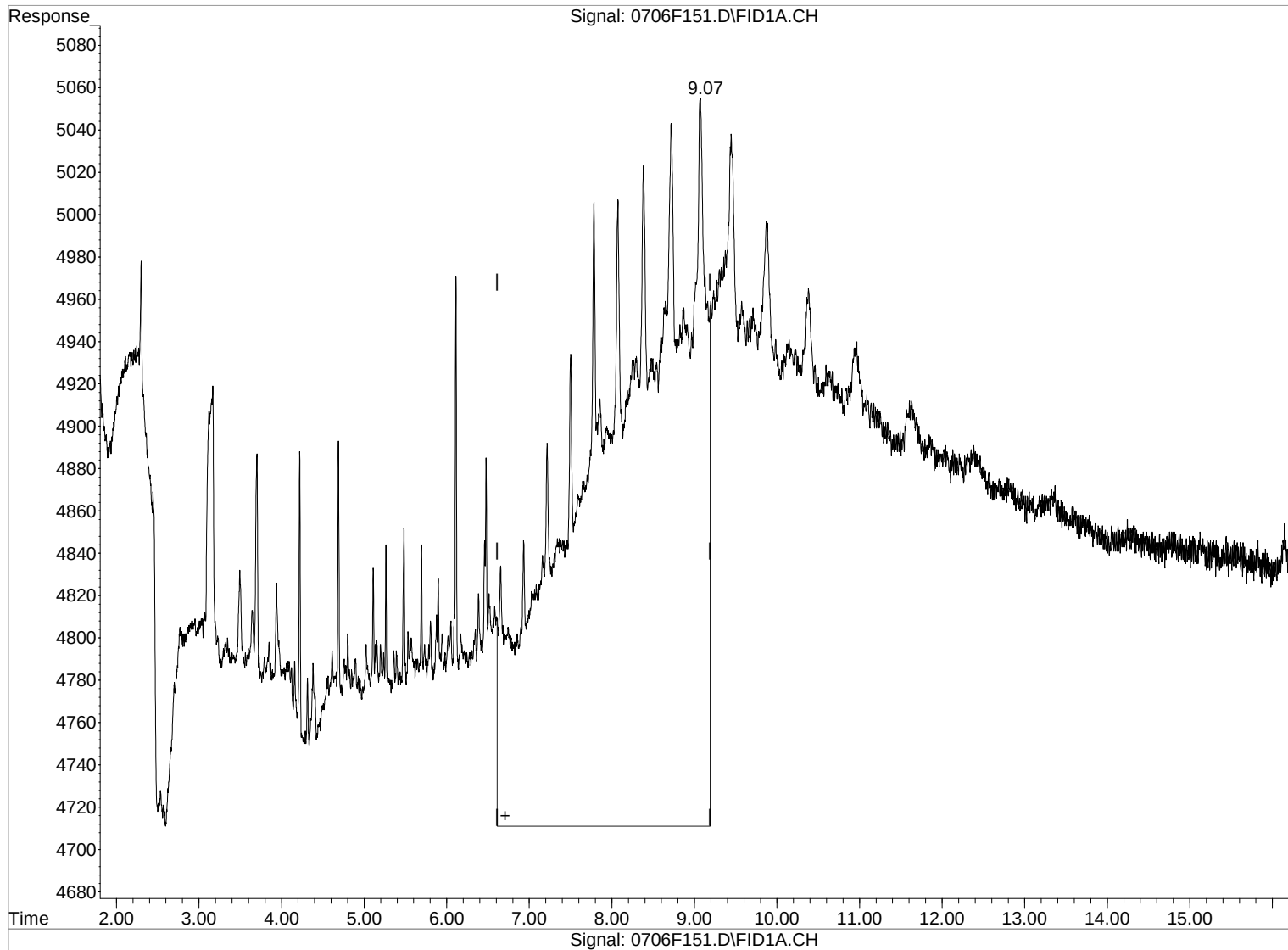
Multiplr: 1.00

Method : J:\GC21\METHODS\070620F.M (RTE Integrator)

Title : 8015/NWTPH/AK SVF MJ257 CAL16158

Last Update : Tue Jul 07 07:41:23 2020

Response via : Multiple Level Calibration



(10) C25-C36in RRO [NWTPH] (H)

Manual Integration:

6.71min 30.811ppm

Before

response 28300

07/07/20

(+) = Expected Retention Time

Data File : J:\GC21\DATA\070620F\0706F151.D

Acq On : 07 Jul 2020 2:03 am

Sample : IB

Misc :

IntFile : rteint.p

Quant Time: Jul 7 7:42 2020 Quant Results File: 070620F.RES

Vial: 86

Operator: TAP

Inst : GC21

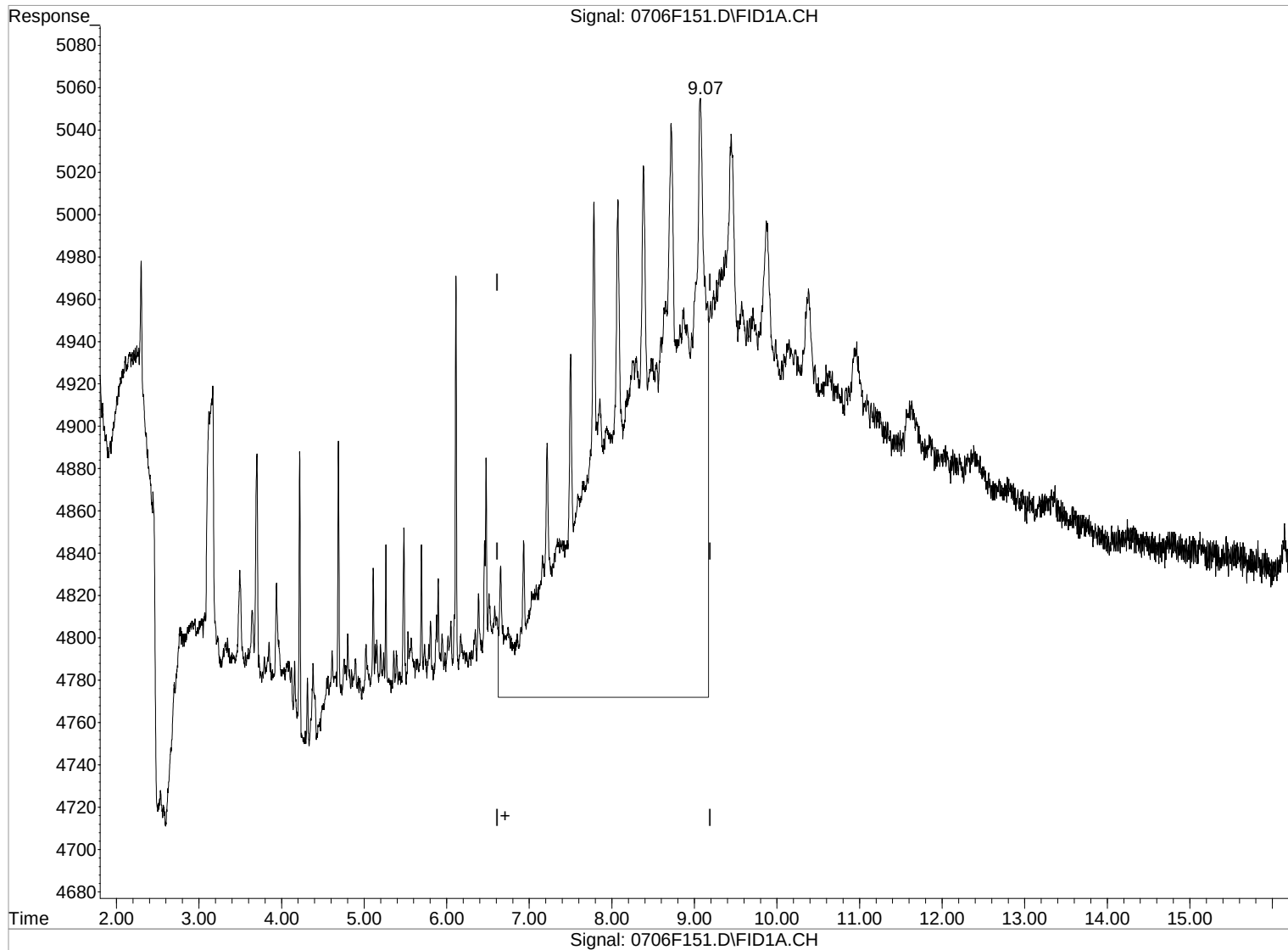
Multiplr: 1.00

Method : J:\GC21\METHODS\070620F.M (RTE Integrator)

Title : 8015/NWTPH/AK SVF MJ257 CAL16158

Last Update : Tue Jul 07 07:41:23 2020

Response via : Multiple Level Calibration



(10) C25-C36in RRO [NWTPH] (H)

6.71min 20.266ppm

response 18614

Manual Integration:

After

Baseline/Shoulder

07/07/20

(+) = Expected Retention Time

Data File : J:\GC21\DATA\070620F\0706F152.D Vial: 25
Acq On : 07 Jul 2020 2:26 am Operator: TAP
Sample : RRO SVF02-93K ICV@1000 Inst : GC21
Misc : Multiplr: 1.00
IntFile : rteint.p
Quant Time: Jul 07 07:41:32 2020 Quant Results File: 070620F.RES

Quant Method : J:\GC21\METHODS\070620F.M (RTE Integrator)
Title : 8015/NWTPH/AK SVF MJ257 CAL16158
Last Update : Tue Jul 07 07:41:23 2020
Response via : Initial Calibration
DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
Signal Phase : ZB-1
Signal Info : 15m x 0.25mm x 1.0 um

Compound	R.T.	Response	Conc Units
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System Monitoring Compounds

Target Compounds

10) H C25-C36in RRO [NWTPH]	6.71	829320	902.902 ppm
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Data File : J:\GC21\DATA\070620F\0706F152.D

Vial: 25

Acq On : 07 Jul 2020 2:26 am

Operator: TAP

Sample : RRO SVF02-93K ICV@1000

Inst : GC21

Misc :

Multiplr: 1.00

IntFile : rteint.p

Quant Time: Jul 7 7:42 2020 Quant Results File: 070620F.RES

Quant Method : J:\GC21\METHODS\070620F.M (RTE Integrator)

Title : 8015/NWTPH/AK SVF MJ257 CAL16158

Last Update : Tue Jul 07 07:41:23 2020

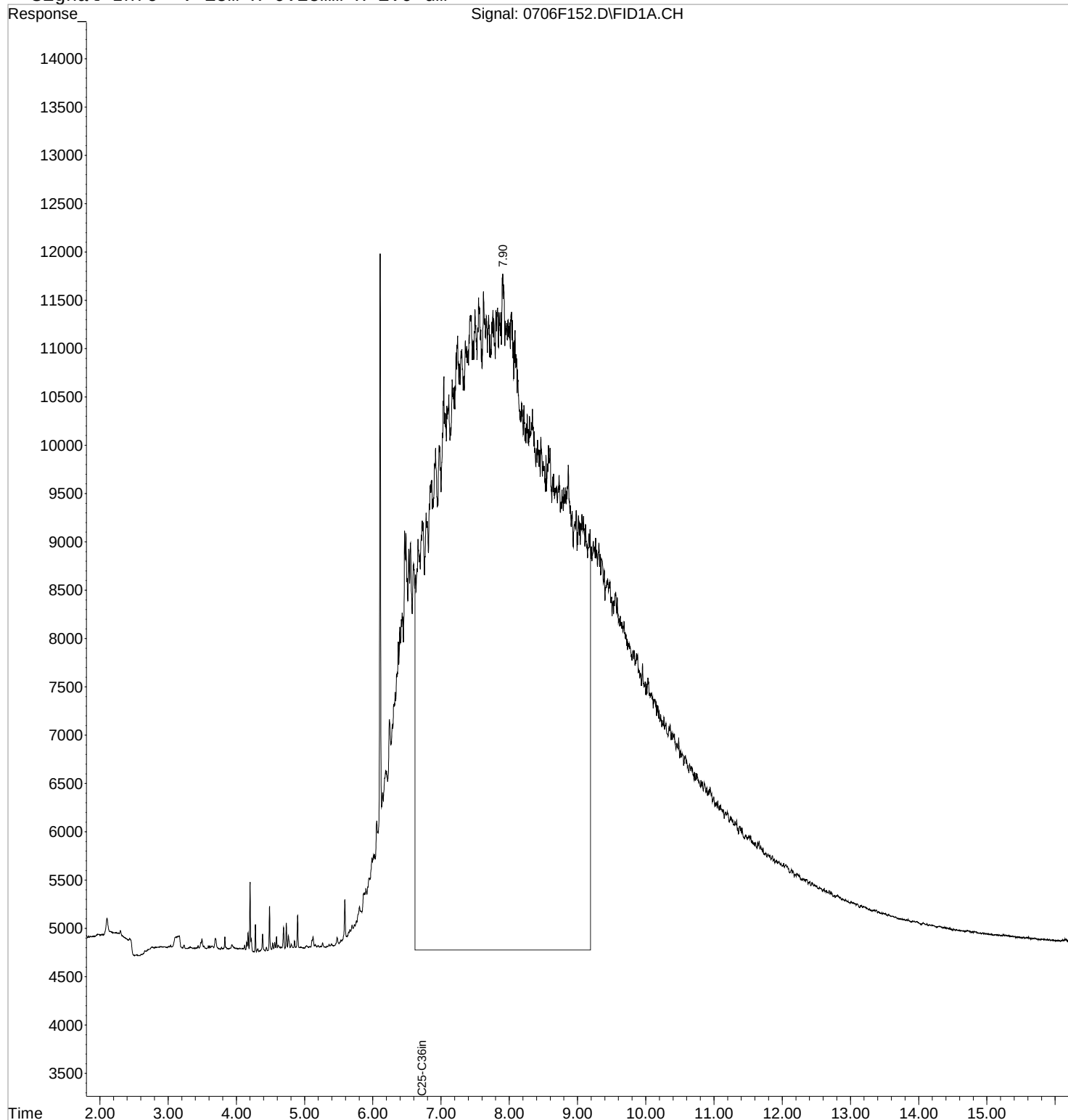
Response via : Single Level Calibration

DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL

Signal Phase : ZB-1

Signal Info : 15m x 0.25mm x 1.0 um



Data File : J:\GC21\DATA\070620F\0706F152.D

Vial: 25

Acq On : 07 Jul 2020 2:26 am

Operator: TAP

Sample : RRO SVF02-93K ICV@1000

Inst : GC21

Misc :

Multiplr: 1.00

IntFile : rteint.p

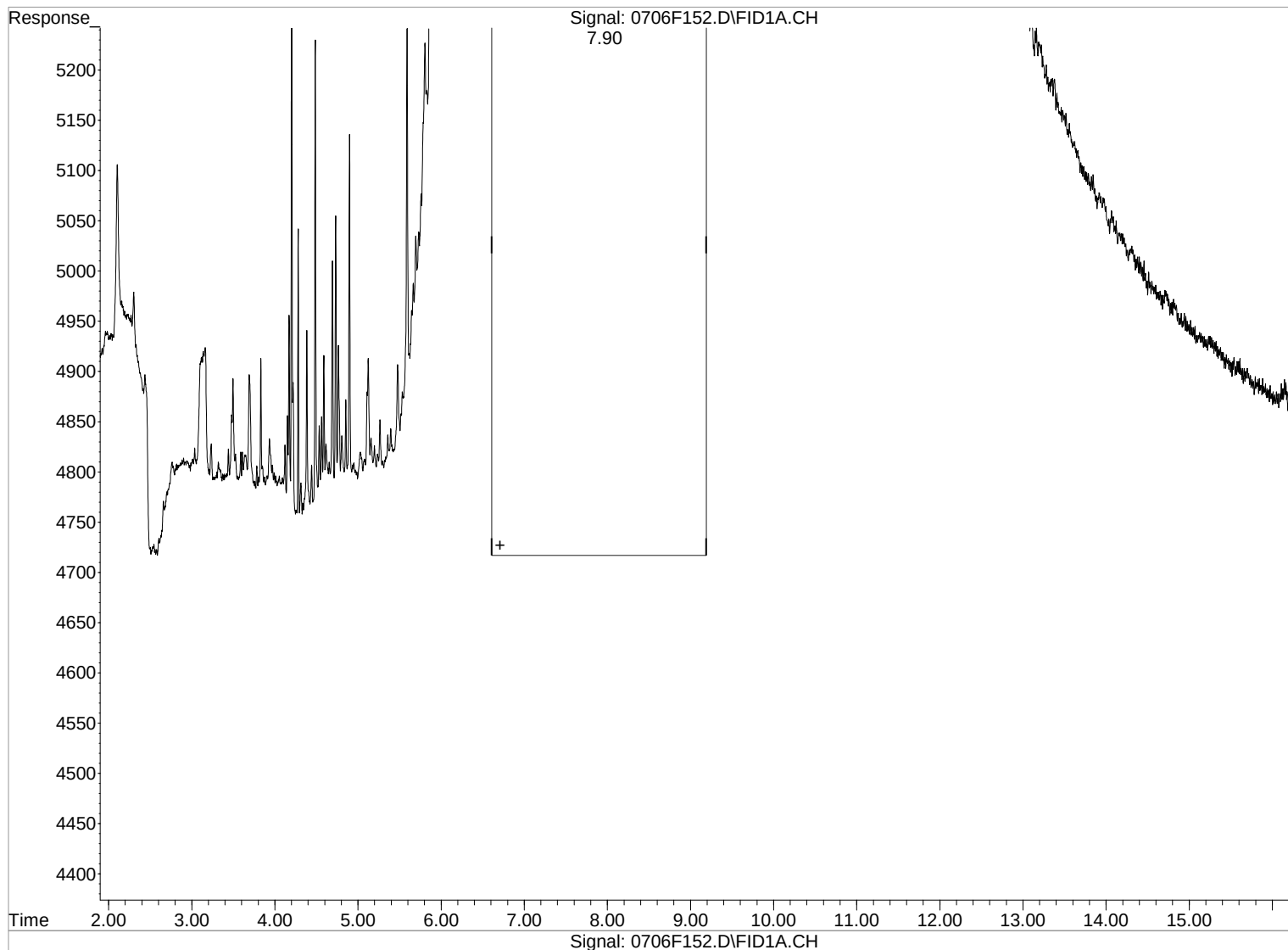
Quant Time: Jul 7 7:41 2020 Quant Results File: 070620F.RES

Method : J:\GC21\METHODS\070620F.M (RTE Integrator)

Title : 8015/NWTPH/AK SVF MJ257 CAL16158

Last Update : Tue Jul 07 07:41:23 2020

Response via : Multiple Level Calibration



(10) C25-C36in RRO [NWTPH] (H)

Manual Integration:

6.71min 915.067ppm

Before

response 840493

07/07/20

(+) = Expected Retention Time

Data File : J:\GC21\DATA\070620F\0706F152.D

Acq On : 07 Jul 2020 2:26 am

Sample : RRO SVF02-93K ICV@1000

Misc :

IntFile : rteint.p

Quant Time: Jul 7 7:41 2020 Quant Results File: 070620F.RES

Vial: 25

Operator: TAP

Inst : GC21

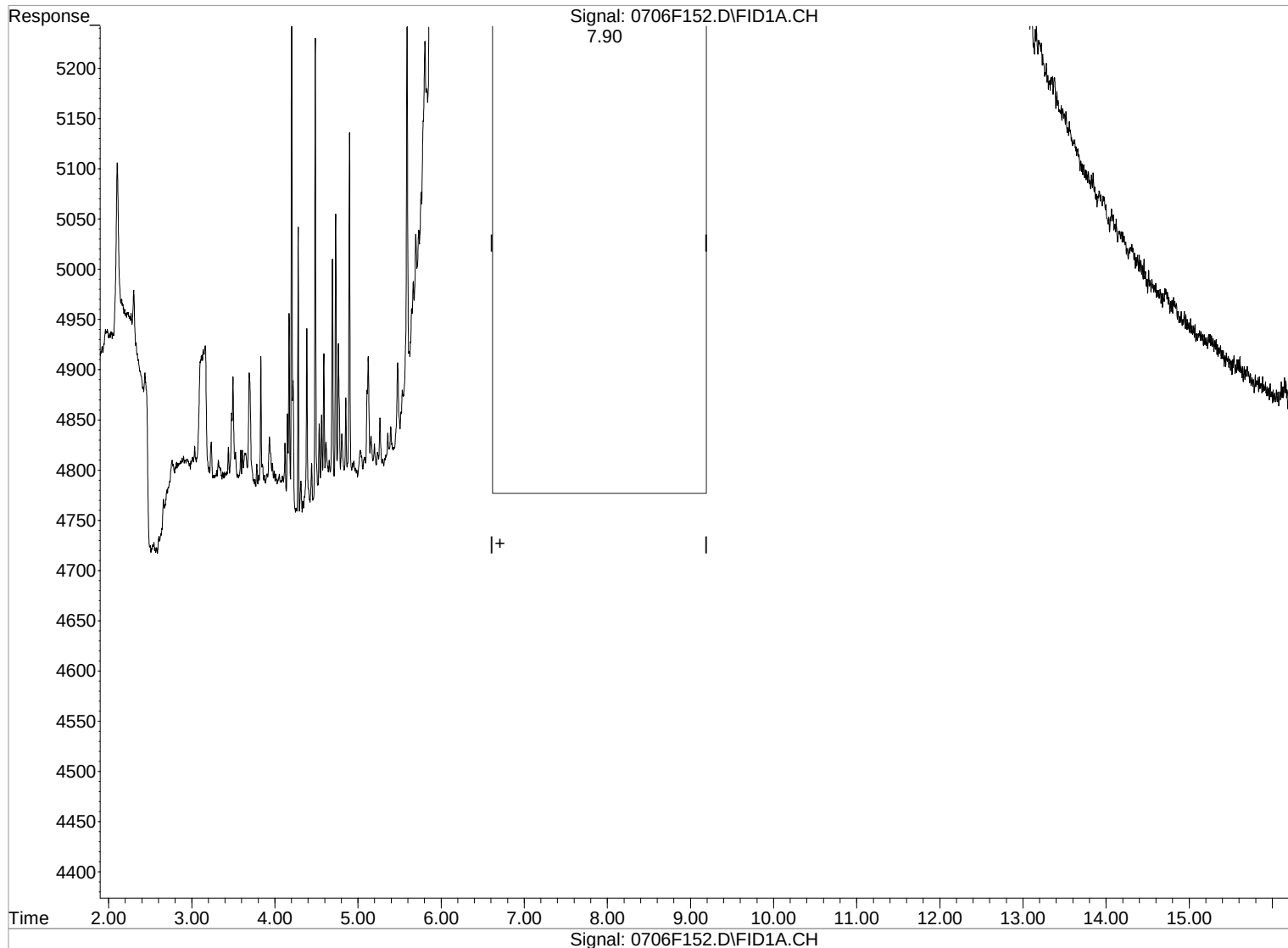
Multiplr: 1.00

Method : J:\GC21\METHODS\070620F.M (RTE Integrator)

Title : 8015/NWTPH/AK SVF MJ257 CAL16158

Last Update : Tue Jul 07 07:41:23 2020

Response via : Multiple Level Calibration



(10) C25-C36in RRO [NWTPH] (H)

6.71min 902.902ppm

response 829320

Manual Integration:

After

Baseline/Shoulder

07/07/20

(+) = Expected Retention Time

0706F152.D 070620F.M Tue Jul 07 07:42 2020

Data File : J:\GC21\DATA\070620F\0706F156.D Vial: 86
Acq On : 07 Jul 2020 3:33 am Operator: TAP
Sample : ICAL BLANK Inst : GC21
Misc : Multiplr: 1.00
IntFile : rteint.p
Quant Time: Jul 07 07:53:59 2020 Quant Results File: 070620F.RES

Quant Method : J:\GC21\METHODS\070620F.M (RTE Integrator)
Title : 8015/NWTPH/AK SVF MJ257 CAL16158
Last Update : Tue Jul 07 07:52:15 2020
Response via : Initial Calibration
DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
Signal Phase : ZB-1
Signal Info : 15m x 0.25mm x 1.0 um

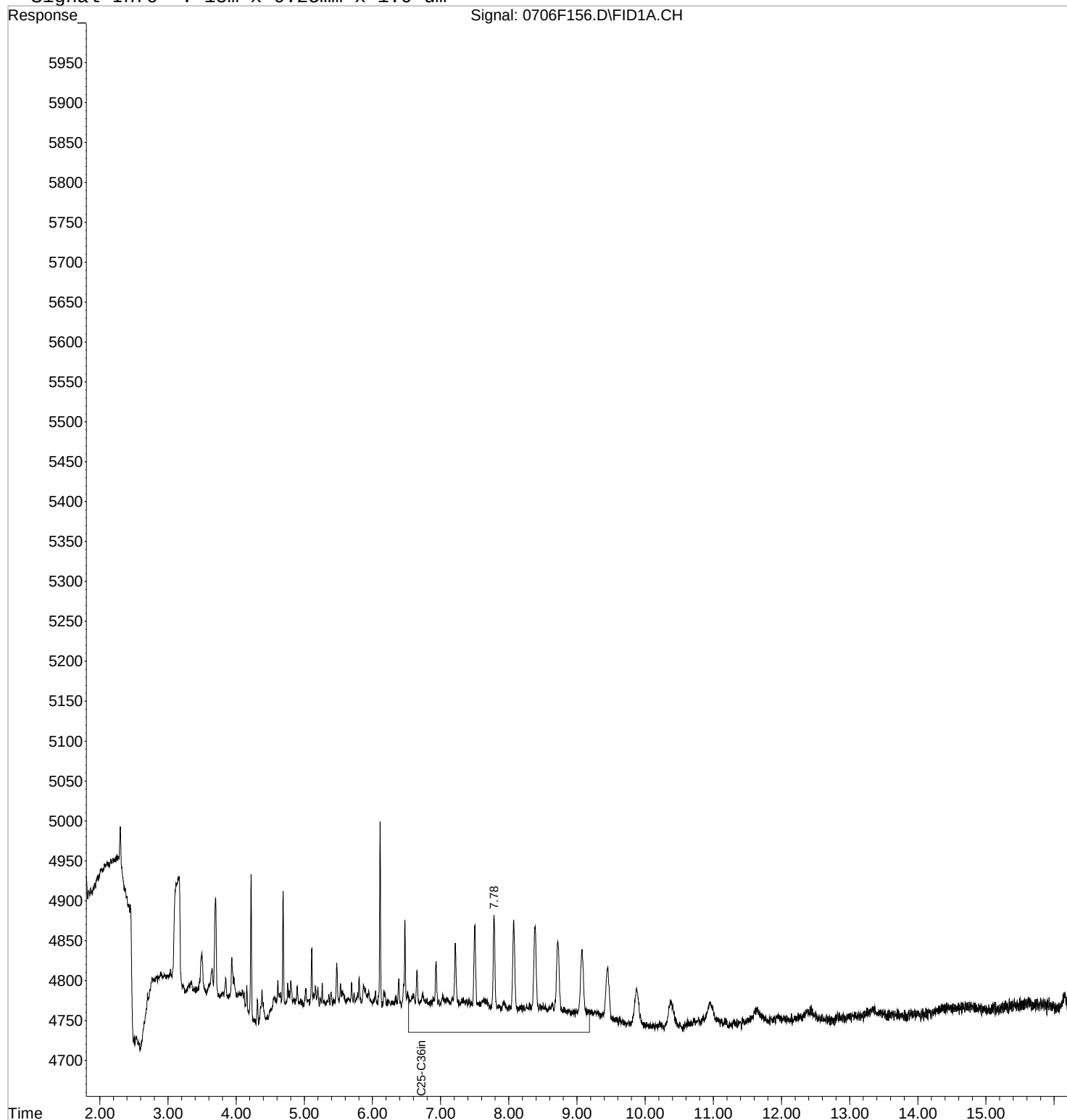
Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
Target Compounds			
11) H C25-C36in RRO [AK103]	6.71	6833	7.863 ppm

Data File : J:\GC21\DATA\070620F\0706F156.D Vial: 86
Acq On : 07 Jul 2020 3:33 am Operator: TAP
Sample : ICAL BLANK Inst : GC21
Misc : Multiplr: 1.00
IntFile : rteint.p
Quant Time: Jul 7 7:54 2020 Quant Results File: 070620F.RES

Quant Method : J:\GC21\METHODS\070620F.M (RTE Integrator)
Title : 8015/NWTPH/AK SVF MJ257 CAL16158
Last Update : Tue Jul 07 07:52:15 2020
Response via : Single Level Calibration
DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
Signal Phase : ZB-1
Signal Info : 15m x 0.25mm x 1.0 um



Data File : J:\GC21\DATA\070620F\0706F156.D

Acq On : 07 Jul 2020 3:33 am

Sample : ICAL BLANK

Misc :

IntFile : rteint.p

Quant Time: Jul 7 7:54 2020 Quant Results File: 070620F.RES

Vial: 86

Operator: TAP

Inst : GC21

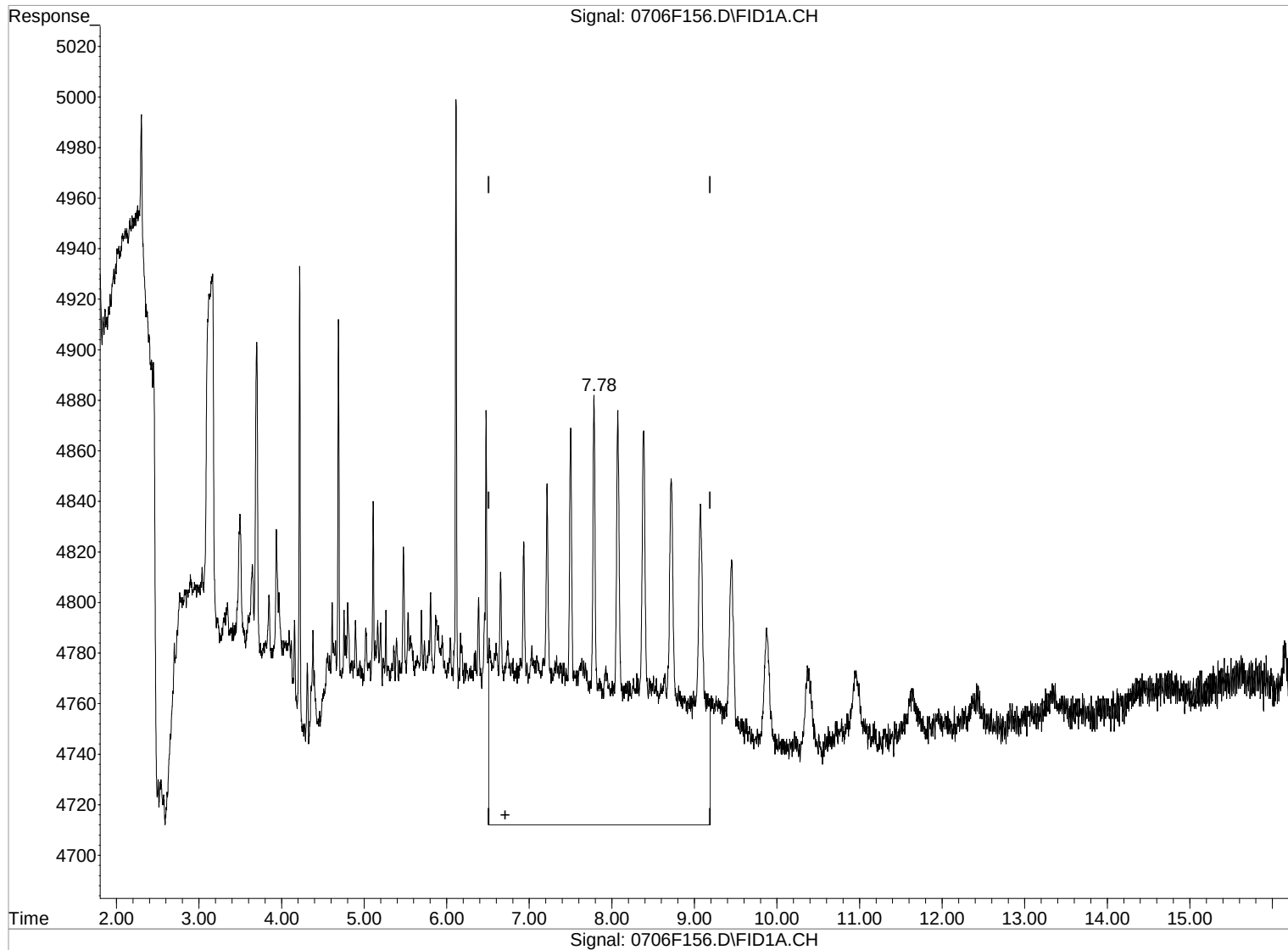
Multiplr: 1.00

Method : J:\GC21\METHODS\070620F.M (RTE Integrator)

Title : 8015/NWTPH/AK SVF MJ257 CAL16158

Last Update : Tue Jul 07 07:52:15 2020

Response via : Multiple Level Calibration



(11) C25-C36in RRO [AK103] (H)

Manual Integration:

6.71min 12.190ppm

Before

response 10593

07/07/20

(+) = Expected Retention Time

Data File : J:\GC21\DATA\070620F\0706F156.D

Acq On : 07 Jul 2020 3:33 am

Sample : ICAL BLANK

Misc :

IntFile : rteint.p

Quant Time: Jul 7 7:54 2020 Quant Results File: 070620F.RES

Vial: 86

Operator: TAP

Inst : GC21

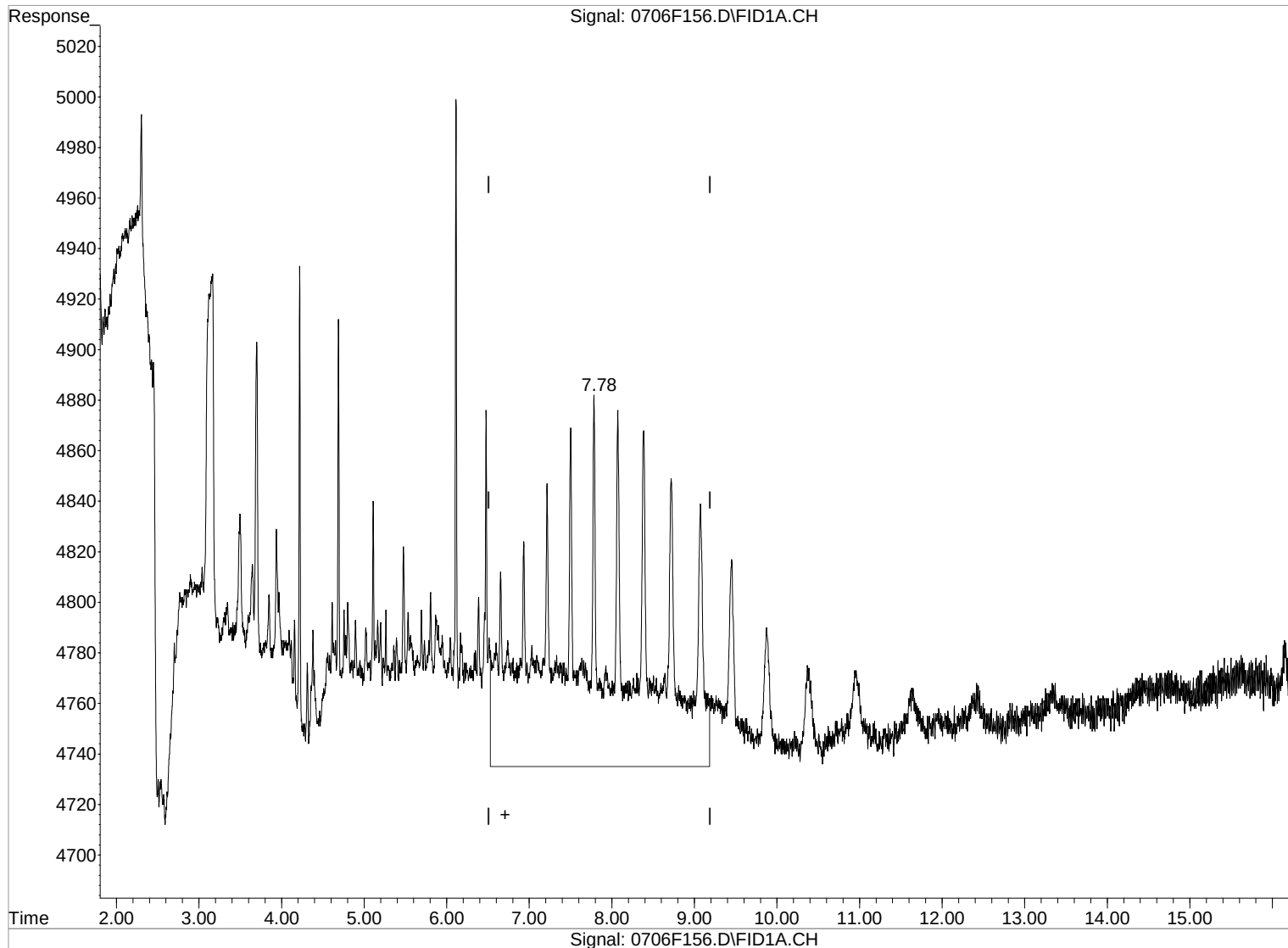
Multiplr: 1.00

Method : J:\GC21\METHODS\070620F.M (RTE Integrator)

Title : 8015/NWTPH/AK SVF MJ257 CAL16158

Last Update : Tue Jul 07 07:52:15 2020

Response via : Multiple Level Calibration



(11) C25-C36in RRO [AK103] (H)

6.71min 7.863ppm

response 6833

Manual Integration:

After

Baseline/Shoulder

07/07/20

(+) = Expected Retention Time

Data File : J:\GC21\DATA\070620F\0706F157.D Vial: 26
Acq On : 07 Jul 2020 3:56 am Operator: TAP
Sample : AK103 SVF02-94B 50 Inst : GC21
Misc : Multiplr: 1.00
IntFile : rteint.p
Quant Time: Jul 07 07:45:47 2020 Quant Results File: 070620F.RES

Quant Method : J:\GC21\METHODS\070620F.M (RTE Integrator)
Title : 8015/NWTPH/AK SVF MJ257 CAL16158
Last Update : Tue Jul 07 07:41:23 2020
Response via : Initial Calibration
DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
Signal Phase : ZB-1
Signal Info : 15m x 0.25mm x 1.0 um

Compound	R.T.	Response	Conc Units
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System Monitoring Compounds

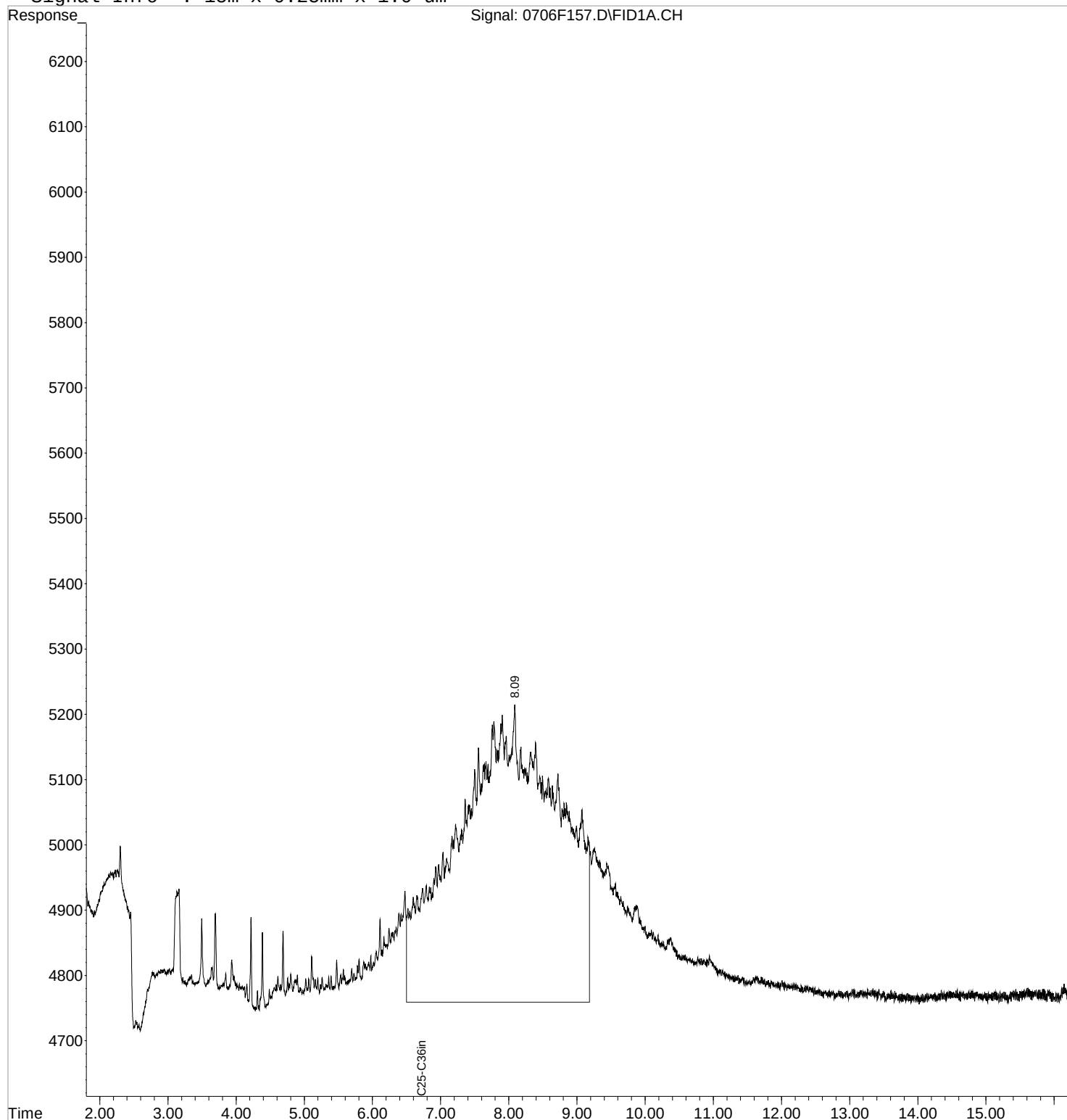
Target Compounds

11) H C25-C36in RRO [AK103]	6.71	46209	51.528 ppm
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Data File : J:\GC21\DATA\070620F\0706F157.D Vial: 26
Acq On : 07 Jul 2020 3:56 am Operator: TAP
Sample : AK103 SVF02-94B 50 Inst : GC21
Misc : Multiplr: 1.00
IntFile : rteint.p
Quant Time: Jul 7 7:47 2020 Quant Results File: 070620F.RES

Quant Method : J:\GC21\METHODS\070620F.M (RTE Integrator)
Title : 8015/NWTPH/AK SVF MJ257 CAL16158
Last Update : Tue Jul 07 07:41:23 2020
Response via : Single Level Calibration
DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
Signal Phase : ZB-1
Signal Info : 15m x 0.25mm x 1.0 um



Data File : J:\GC21\DATA\070620F\0706F157.D

Acq On : 07 Jul 2020 3:56 am

Sample : AK103 SVF02-94B 50

Misc :

IntFile : rteint.p

Quant Time: Jul 7 7:45 2020 Quant Results File: 070620F.RES

Vial: 26

Operator: TAP

Inst : GC21

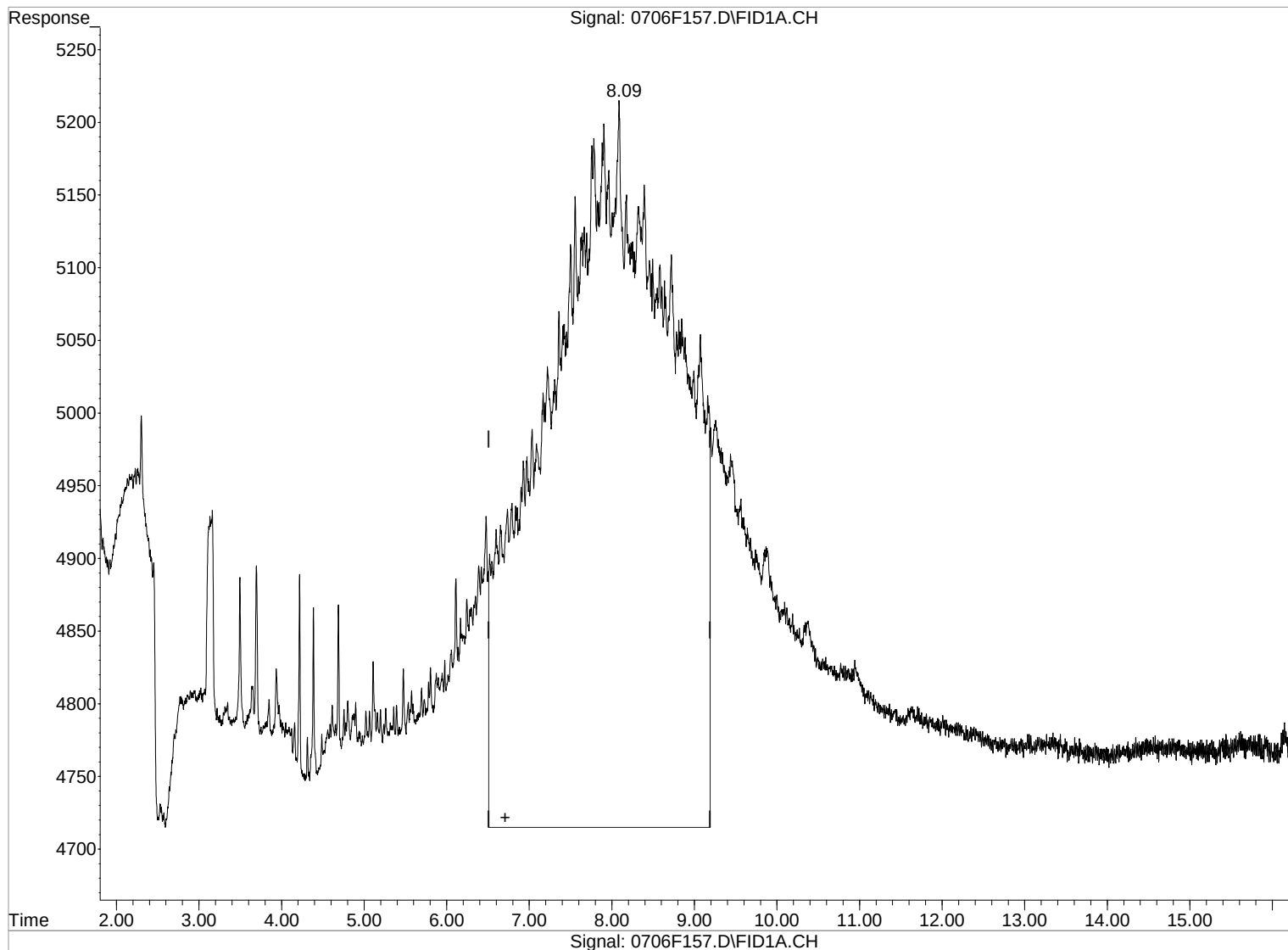
Multiplr: 1.00

Method : J:\GC21\METHODS\070620F.M (RTE Integrator)

Title : 8015/NWTPH/AK SVF MJ257 CAL16158

Last Update : Tue Jul 07 07:41:23 2020

Response via : Multiple Level Calibration



(11) C25-C36in RRO [AK103] (H)

6.71min 59.433ppm

response 53298

Manual Integration:

Before

07/07/20

(+) = Expected Retention Time

Data File : J:\GC21\DATA\070620F\0706F157.D

Acq On : 07 Jul 2020 3:56 am

Sample : AK103 SVF02-94B 50

Misc :

IntFile : rteint.p

Quant Time: Jul 7 7:45 2020 Quant Results File: 070620F.RES

Vial: 26

Operator: TAP

Inst : GC21

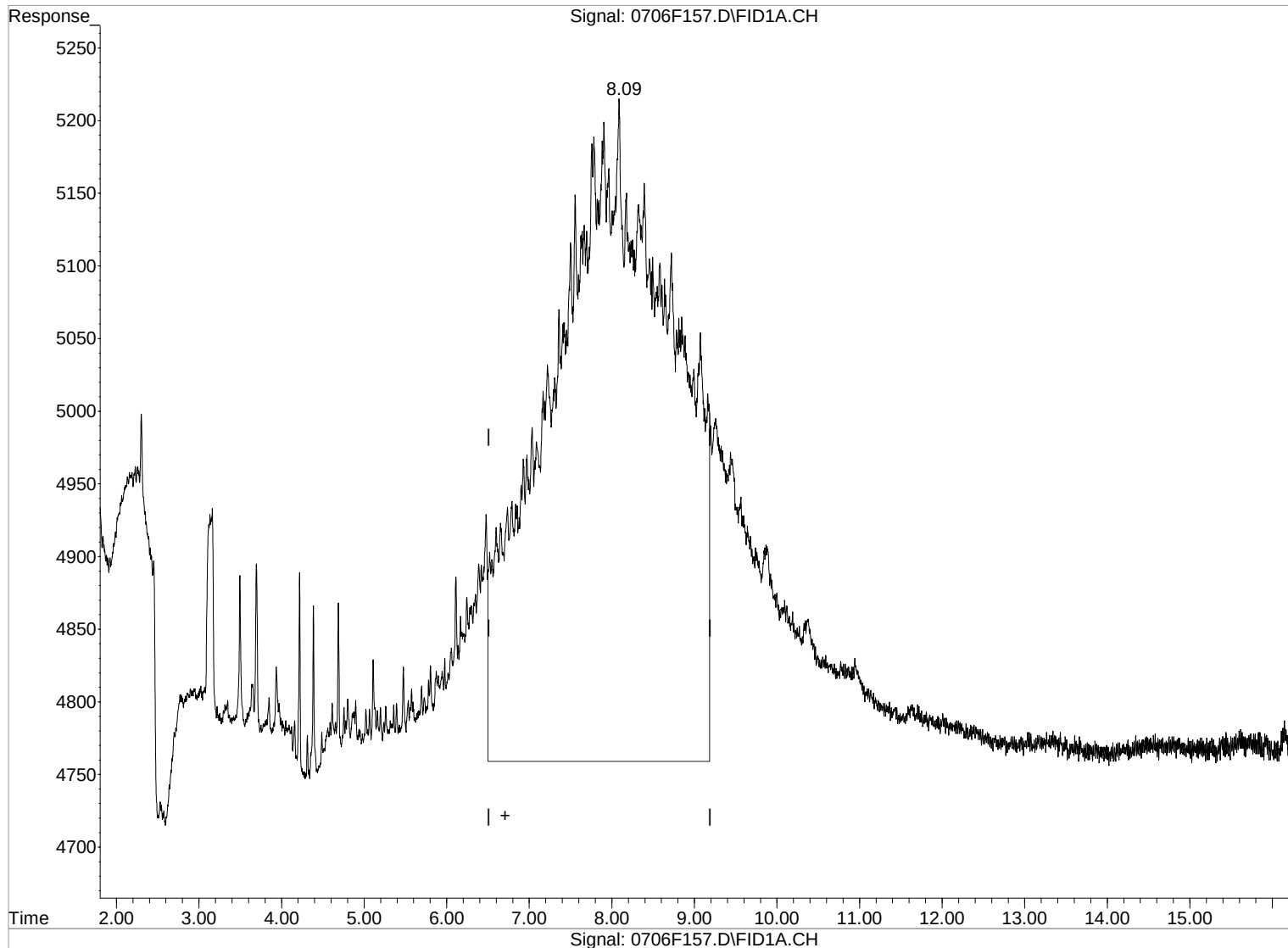
Multiplr: 1.00

Method : J:\GC21\METHODS\070620F.M (RTE Integrator)

Title : 8015/NWTPH/AK SVF MJ257 CAL16158

Last Update : Tue Jul 07 07:41:23 2020

Response via : Multiple Level Calibration



(11) C25-C36in RRO [AK103] (H)

6.71min 51.528ppm

response 46209

Manual Integration:

After

Baseline/Shoulder

07/07/20

(+) = Expected Retention Time

0706F157.D 070620F.M Tue Jul 07 07:47:04 2020

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Data File : J:\GC21\DATA\070620F\0706F158.D Vial: 27
Acq On : 07 Jul 2020 4:18 am Operator: TAP
Sample : AK103 SVF02-94A 200 Inst : GC21
Misc : Multiplr: 1.00
IntFile : rteint.p
Quant Time: Jul 07 07:47:41 2020 Quant Results File: 070620F.RES

Quant Method : J:\GC21\METHODS\070620F.M (RTE Integrator)
Title : 8015/NWTPH/AK SVF MJ257 CAL16158
Last Update : Tue Jul 07 07:47:32 2020
Response via : Initial Calibration
DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
Signal Phase : ZB-1
Signal Info : 15m x 0.25mm x 1.0 um

Compound	R.T.	Response	Conc Units
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System Monitoring Compounds

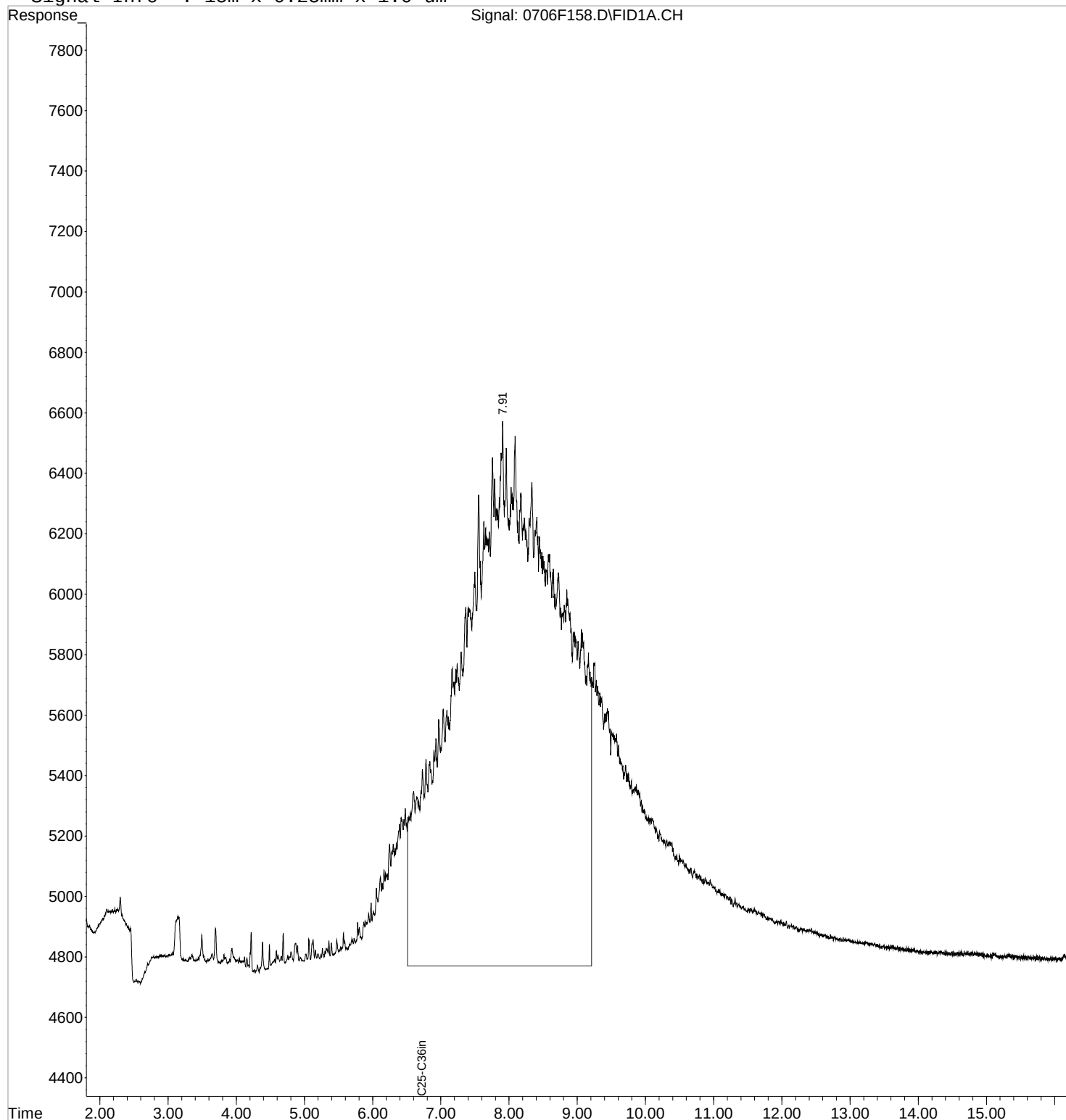
Target Compounds

11) H C25-C36in RRO [AK103]	6.71	183471	211.397 ppm
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Data File : J:\GC21\DATA\070620F\0706F158.D Vial: 27
Acq On : 07 Jul 2020 4:18 am Operator: TAP
Sample : AK103 SVF02-94A 200 Inst : GC21
Misc : Multiplr: 1.00
IntFile : rteint.p
Quant Time: Jul 7 7:48 2020 Quant Results File: 070620F.RES

Quant Method : J:\GC21\METHODS\070620F.M (RTE Integrator)
Title : 8015/NWTPH/AK SVF MJ257 CAL16158
Last Update : Tue Jul 07 07:47:32 2020
Response via : Single Level Calibration
DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
Signal Phase : ZB-1
Signal Info : 15m x 0.25mm x 1.0 um



Data File : J:\GC21\DATA\070620F\0706F158.D

Acq On : 07 Jul 2020 4:18 am

Sample : AK103 SVF02-94A 200

Misc :

IntFile : rteint.p

Quant Time: Jul 7 7:48 2020 Quant Results File: 070620F.RES

Vial: 27

Operator: TAP

Inst : GC21

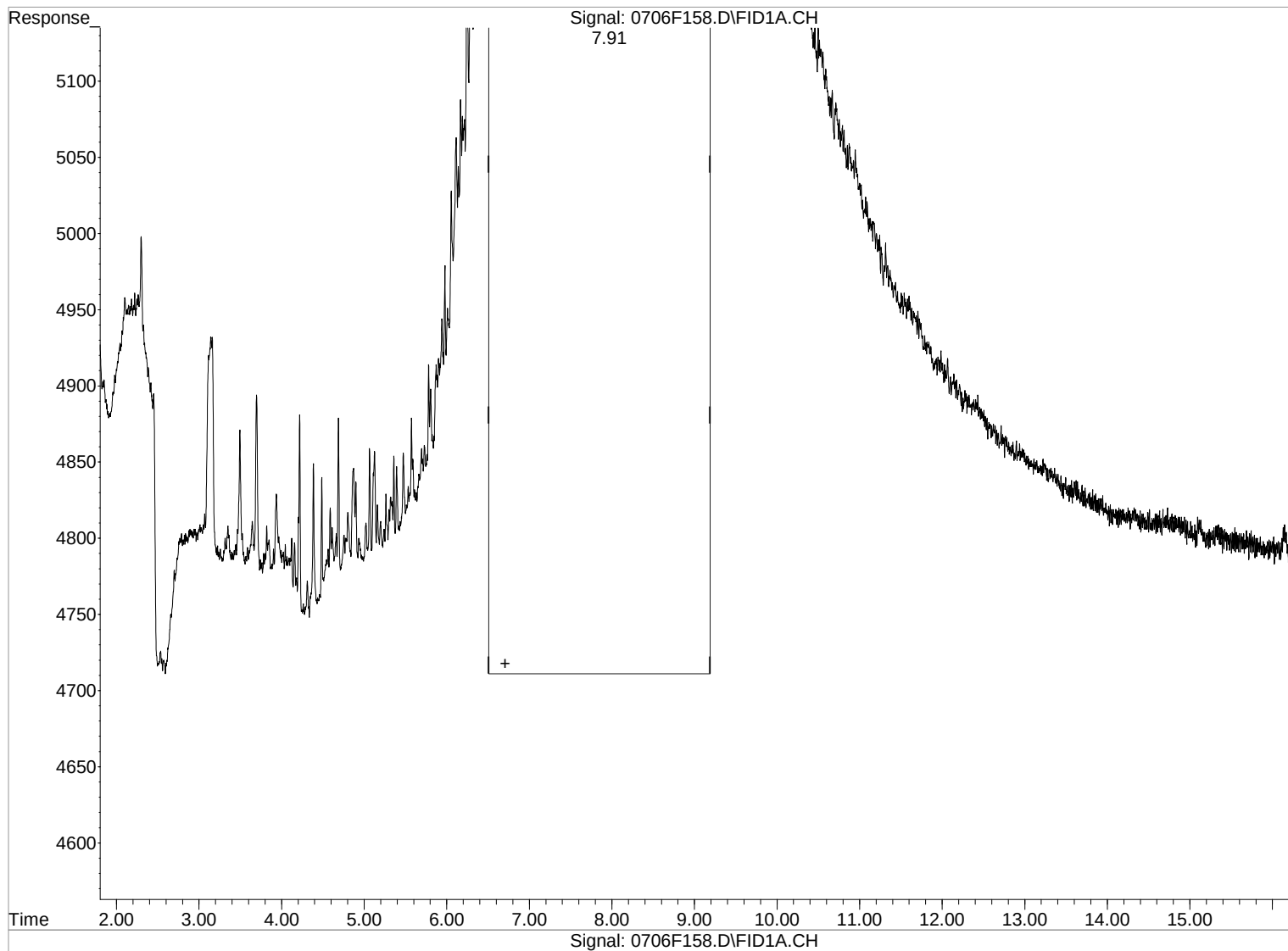
Multiplr: 1.00

Method : J:\GC21\METHODS\070620F.M (RTE Integrator)

Title : 8015/NWTPH/AK SVF MJ257 CAL16158

Last Update : Tue Jul 07 07:48:17 2020

Response via : Multiple Level Calibration



(11) C25-C36in RRO [AK103] (H)

Manual Integration:

6.71min 221.134ppm

Before

response 191922

07/07/20

(+) = Expected Retention Time

Data File : J:\GC21\DATA\070620F\0706F158.D

Acq On : 07 Jul 2020 4:18 am

Sample : AK103 SVF02-94A 200

Misc :

IntFile : rteint.p

Quant Time: Jul 7 7:48 2020 Quant Results File: 070620F.RES

Vial: 27

Operator: TAP

Inst : GC21

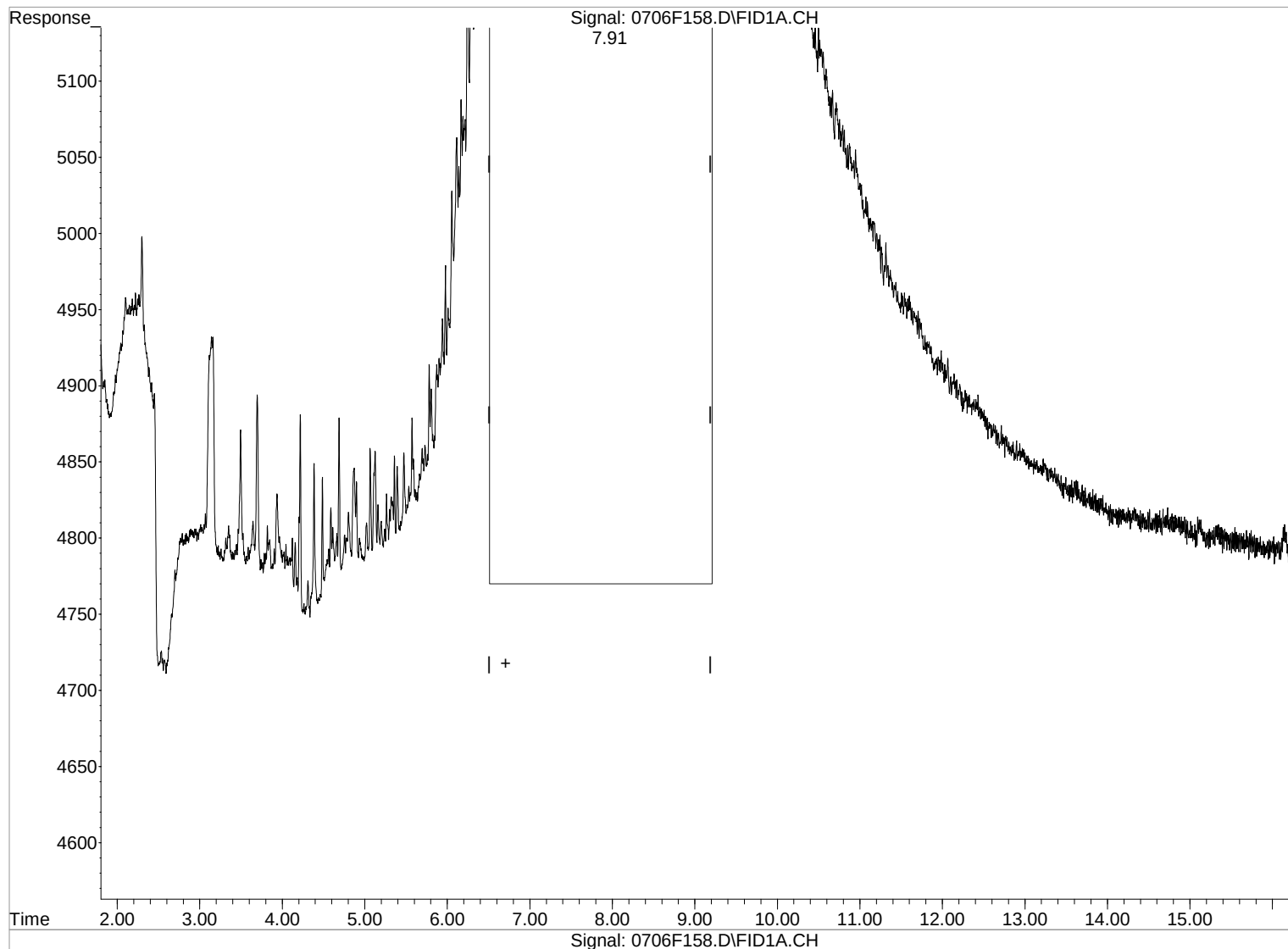
Multiplr: 1.00

Method : J:\GC21\METHODS\070620F.M (RTE Integrator)

Title : 8015/NWTPH/AK SVF MJ257 CAL16158

Last Update : Tue Jul 07 07:48:17 2020

Response via : Multiple Level Calibration



(11) C25-C36in RRO [AK103] (H)

6.71min 211.397ppm

response 183471

Manual Integration:

After

Baseline/Shoulder

07/07/20

(+) = Expected Retention Time

Data File : J:\GC21\DATA\070620F\0706F159.D Vial: 28
Acq On : 07 Jul 2020 4:41 am Operator: TAP
Sample : AK103 SVF02-93N 500 Inst : GC21
Misc : Multiplr: 1.00
IntFile : rteint.p
Quant Time: Jul 07 07:48:54 2020 Quant Results File: 070620F.RES

Quant Method : J:\GC21\METHODS\070620F.M (RTE Integrator)
Title : 8015/NWTPH/AK SVF MJ257 CAL16158
Last Update : Tue Jul 07 07:48:45 2020
Response via : Initial Calibration
DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
Signal Phase : ZB-1
Signal Info : 15m x 0.25mm x 1.0 um

Compound	R.T.	Response	Conc Units
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System Monitoring Compounds

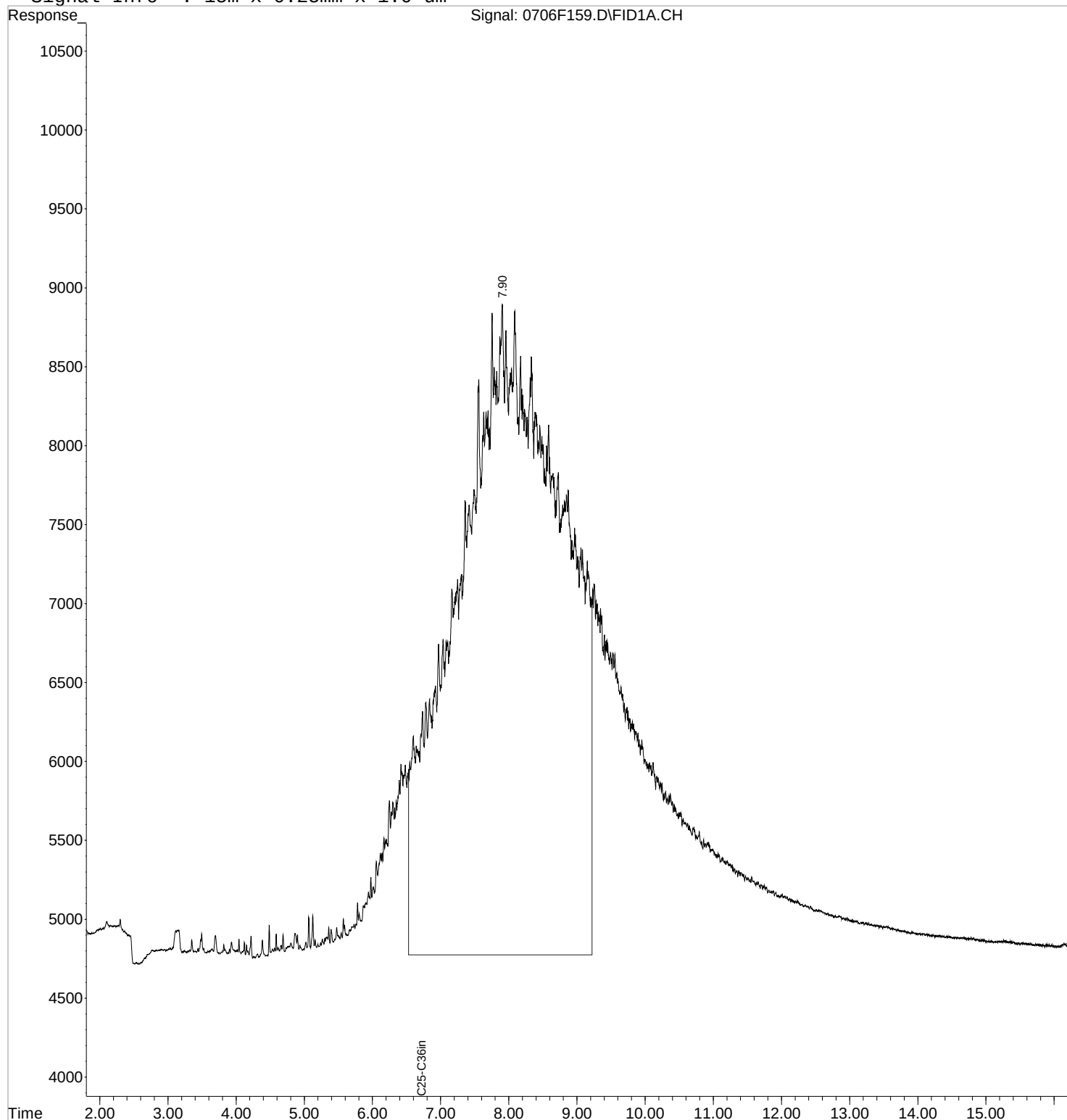
Target Compounds

11) H C25-C36in RRO [AK103]	6.71	436354	502.455 ppm
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Data File : J:\GC21\DATA\070620F\0706F159.D Vial: 28
Acq On : 07 Jul 2020 4:41 am Operator: TAP
Sample : AK103 SVF02-93N 500 Inst : GC21
Misc : Multiplr: 1.00
IntFile : rteint.p
Quant Time: Jul 7 7:49 2020 Quant Results File: 070620F.RES

Quant Method : J:\GC21\METHODS\070620F.M (RTE Integrator)
Title : 8015/NWTPH/AK SVF MJ257 CAL16158
Last Update : Tue Jul 07 07:48:45 2020
Response via : Single Level Calibration
DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
Signal Phase : ZB-1
Signal Info : 15m x 0.25mm x 1.0 um



Data File : J:\GC21\DATA\070620F\0706F159.D

Acq On : 07 Jul 2020 4:41 am

Sample : AK103 SVF02-93N 500

Misc :

IntFile : rteint.p

Quant Time: Jul 7 7:48 2020 Quant Results File: 070620F.RES

Vial: 28

Operator: TAP

Inst : GC21

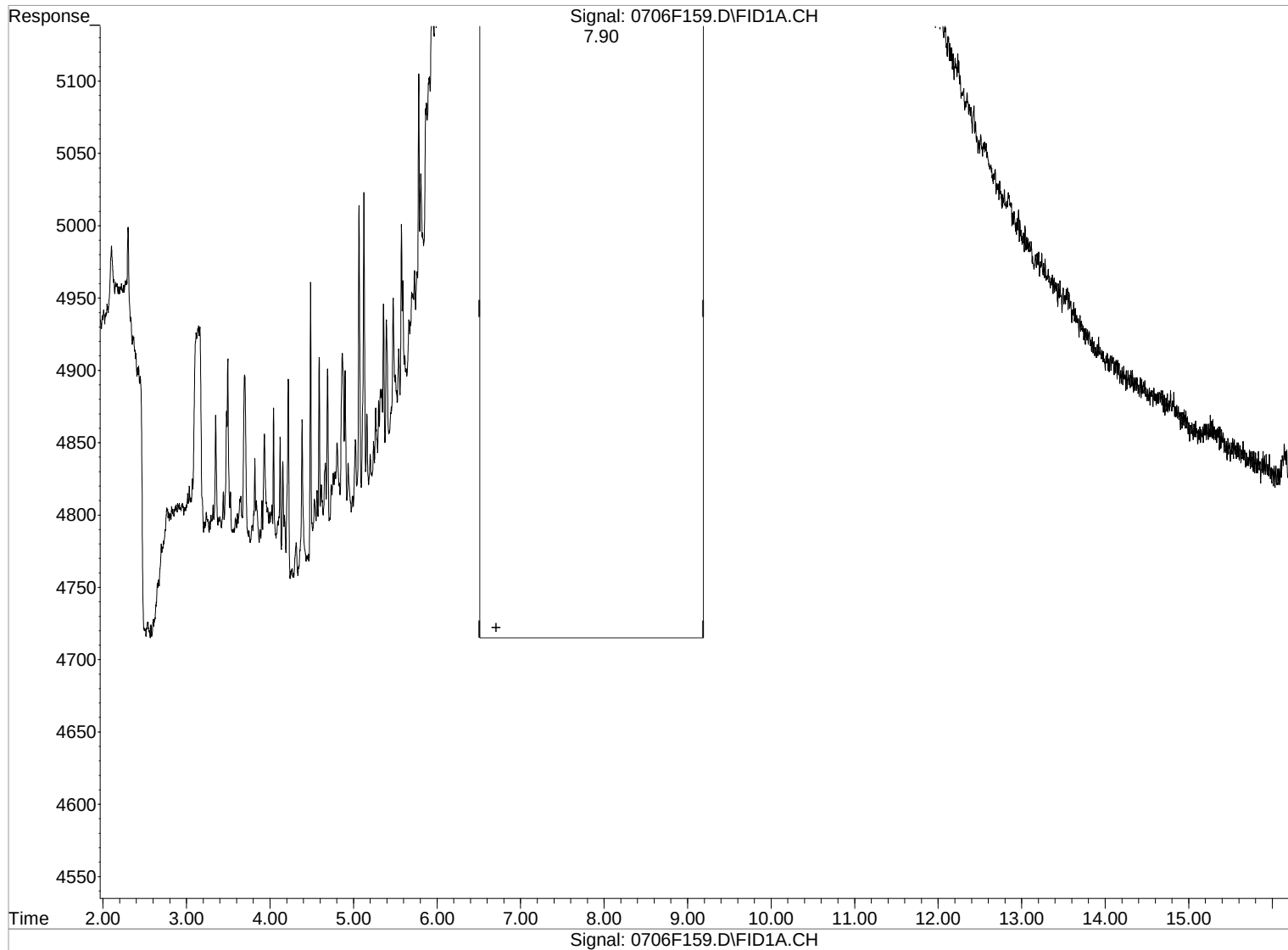
Multiplr: 1.00

Method : J:\GC21\METHODS\070620F.M (RTE Integrator)

Title : 8015/NWTPH/AK SVF MJ257 CAL16158

Last Update : Tue Jul 07 07:48:45 2020

Response via : Multiple Level Calibration



(11) C25-C36in RRO [AK103] (H)

Manual Integration:

6.71min 510.260ppm

Before

response 443132

07/07/20

(+) = Expected Retention Time

Data File : J:\GC21\DATA\070620F\0706F159.D

Acq On : 07 Jul 2020 4:41 am

Sample : AK103 SVF02-93N 500

Misc :

IntFile : rteint.p

Quant Time: Jul 7 7:48 2020 Quant Results File: 070620F.RES

Vial: 28

Operator: TAP

Inst : GC21

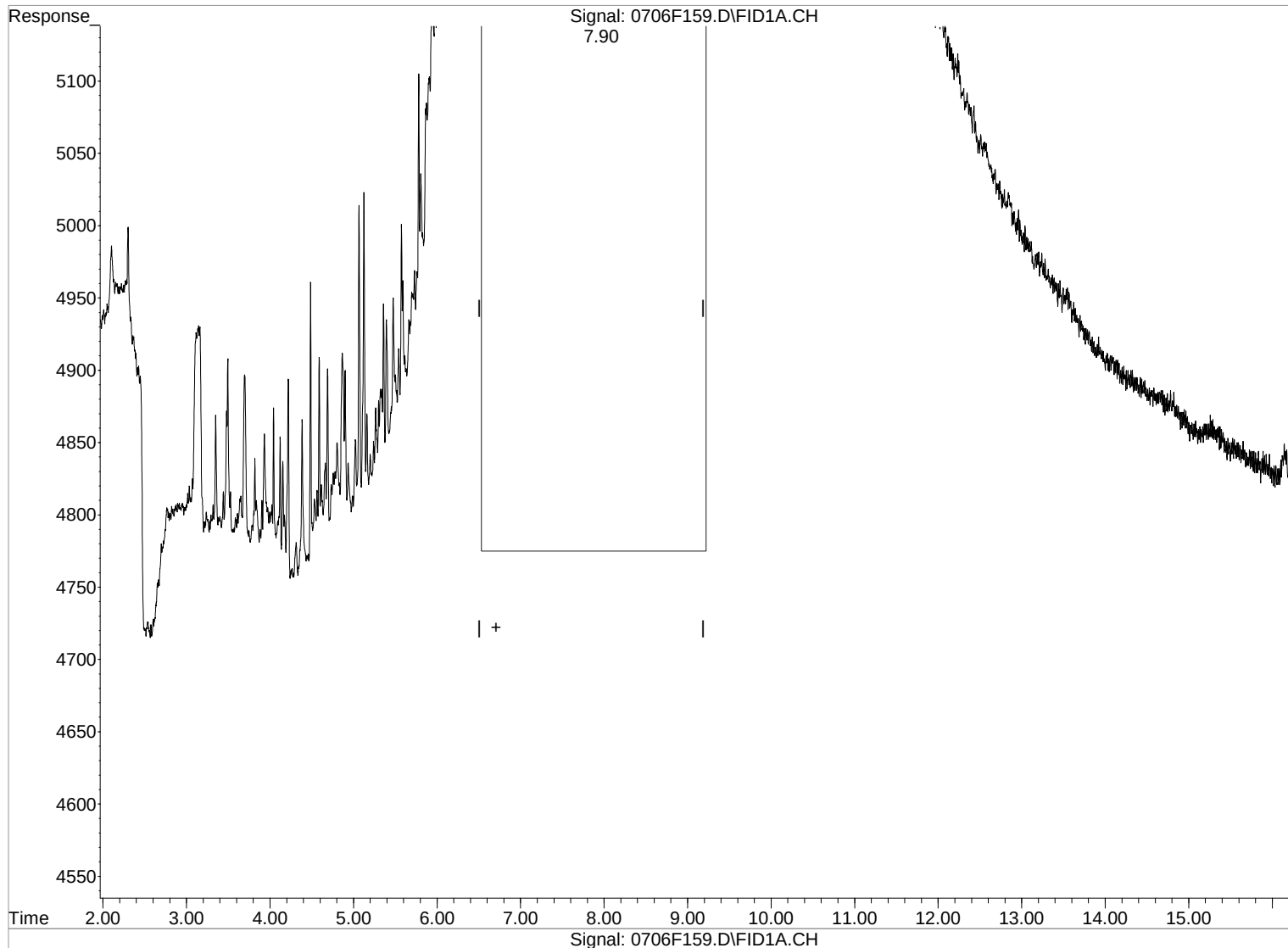
Multiplr: 1.00

Method : J:\GC21\METHODS\070620F.M (RTE Integrator)

Title : 8015/NWTPH/AK SVF MJ257 CAL16158

Last Update : Tue Jul 07 07:48:45 2020

Response via : Multiple Level Calibration



(11) C25-C36in RRO [AK103] (H)

6.71min 502.455ppm

response 436354

Manual Integration:

After

Baseline/Shoulder

07/07/20

(+) = Expected Retention Time

Data File : J:\GC21\DATA\070620F\0706F160.D Vial: 29
Acq On : 07 Jul 2020 5:03 am Operator: TAP
Sample : AK103 SVF02-93M 2000 Inst : GC21
Misc : Multiplr: 1.00
IntFile : rteint.p
Quant Time: Jul 07 07:50:07 2020 Quant Results File: 070620F.RES

Quant Method : J:\GC21\METHODS\070620F.M (RTE Integrator)
Title : 8015/NWTPH/AK SVF MJ257 CAL16158
Last Update : Tue Jul 07 07:49:53 2020
Response via : Initial Calibration
DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
Signal Phase : ZB-1
Signal Info : 15m x 0.25mm x 1.0 um

Compound	R.T.	Response	Conc Units
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System Monitoring Compounds

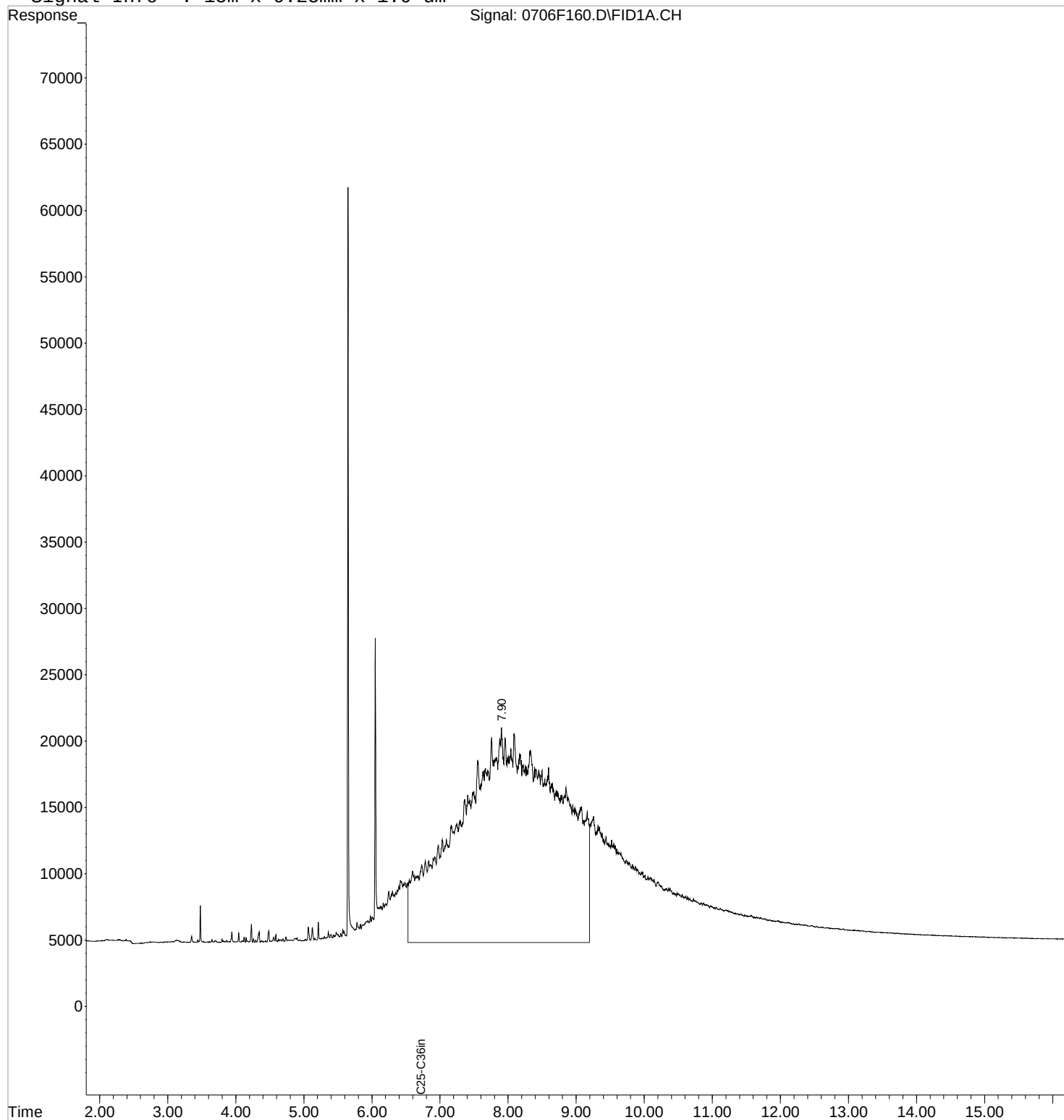
Target Compounds

11) H C25-C36in RRO [AK103]	6.71	1666471	1916.195 ppm
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Data File : J:\GC21\DATA\070620F\0706F160.D Vial: 29
Acq On : 07 Jul 2020 5:03 am Operator: TAP
Sample : AK103 SVF02-93M 2000 Inst : GC21
Misc : Multiplr: 1.00
IntFile : rteint.p
Quant Time: Jul 7 7:50 2020 Quant Results File: 070620F.RES

Quant Method : J:\GC21\METHODS\070620F.M (RTE Integrator)
Title : 8015/NWTPH/AK SVF MJ257 CAL16158
Last Update : Tue Jul 07 07:49:53 2020
Response via : Single Level Calibration
DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
Signal Phase : ZB-1
Signal Info : 15m x 0.25mm x 1.0 um



Data File : J:\GC21\DATA\070620F\0706F160.D

Acq On : 07 Jul 2020 5:03 am

Sample : AK103 SVF02-93M 2000

Misc :

IntFile : rteint.p

Quant Time: Jul 7 7:50 2020 Quant Results File: 070620F.RES

Vial: 29

Operator: TAP

Inst : GC21

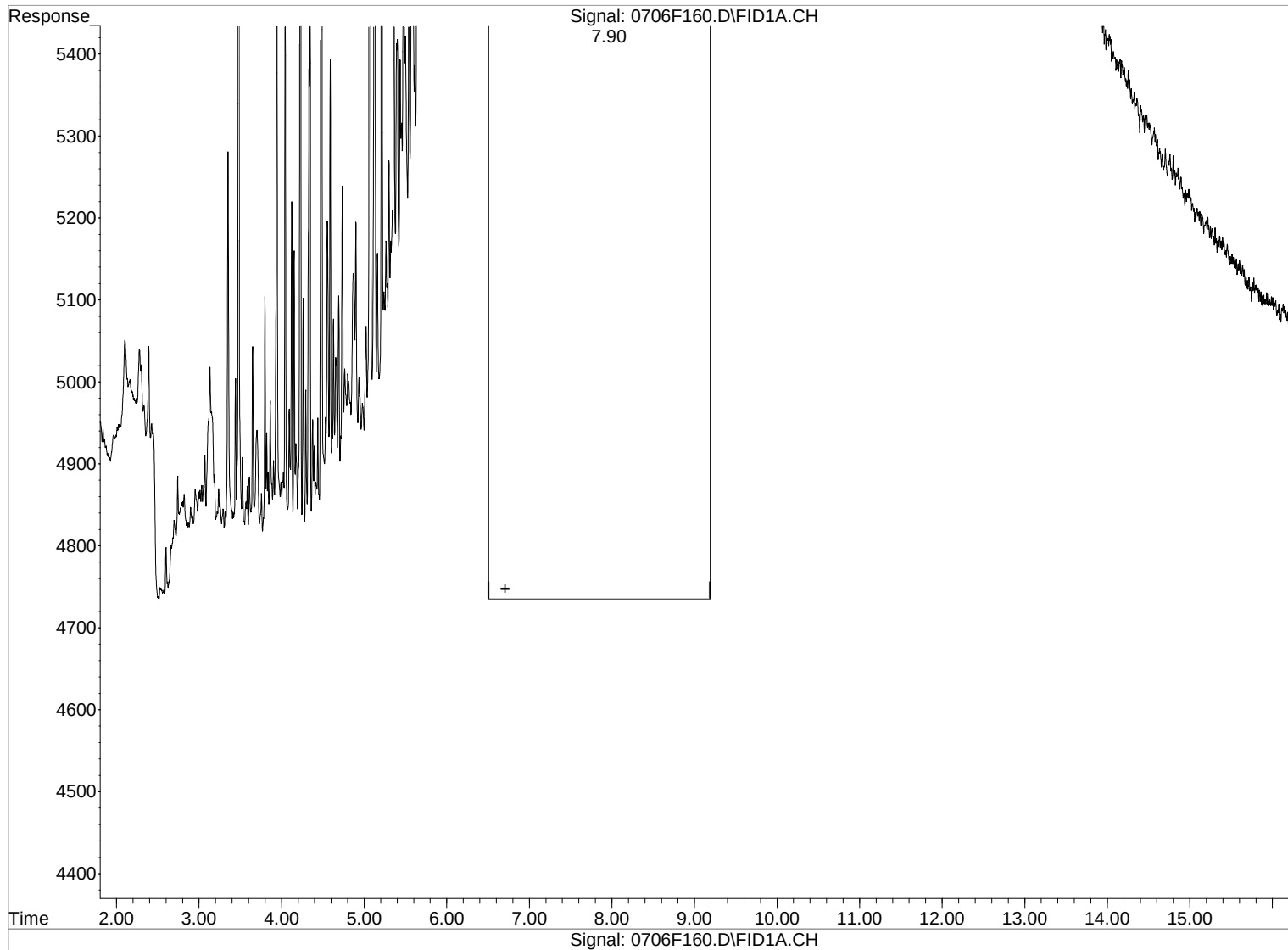
Multiplr: 1.00

Method : J:\GC21\METHODS\070620F.M (RTE Integrator)

Title : 8015/NWTPH/AK SVF MJ257 CAL16158

Last Update : Tue Jul 07 07:49:53 2020

Response via : Multiple Level Calibration



(11) C25-C36in RRO [AK103] (H)

Manual Integration:

6.71min 1932.232ppm

Before

response 1680418

07/07/20

(+) = Expected Retention Time

Data File : J:\GC21\DATA\070620F\0706F160.D

Acq On : 07 Jul 2020 5:03 am

Sample : AK103 SVF02-93M 2000

Misc :

IntFile : rteint.p

Quant Time: Jul 7 7:50 2020 Quant Results File: 070620F.RES

Vial: 29

Operator: TAP

Inst : GC21

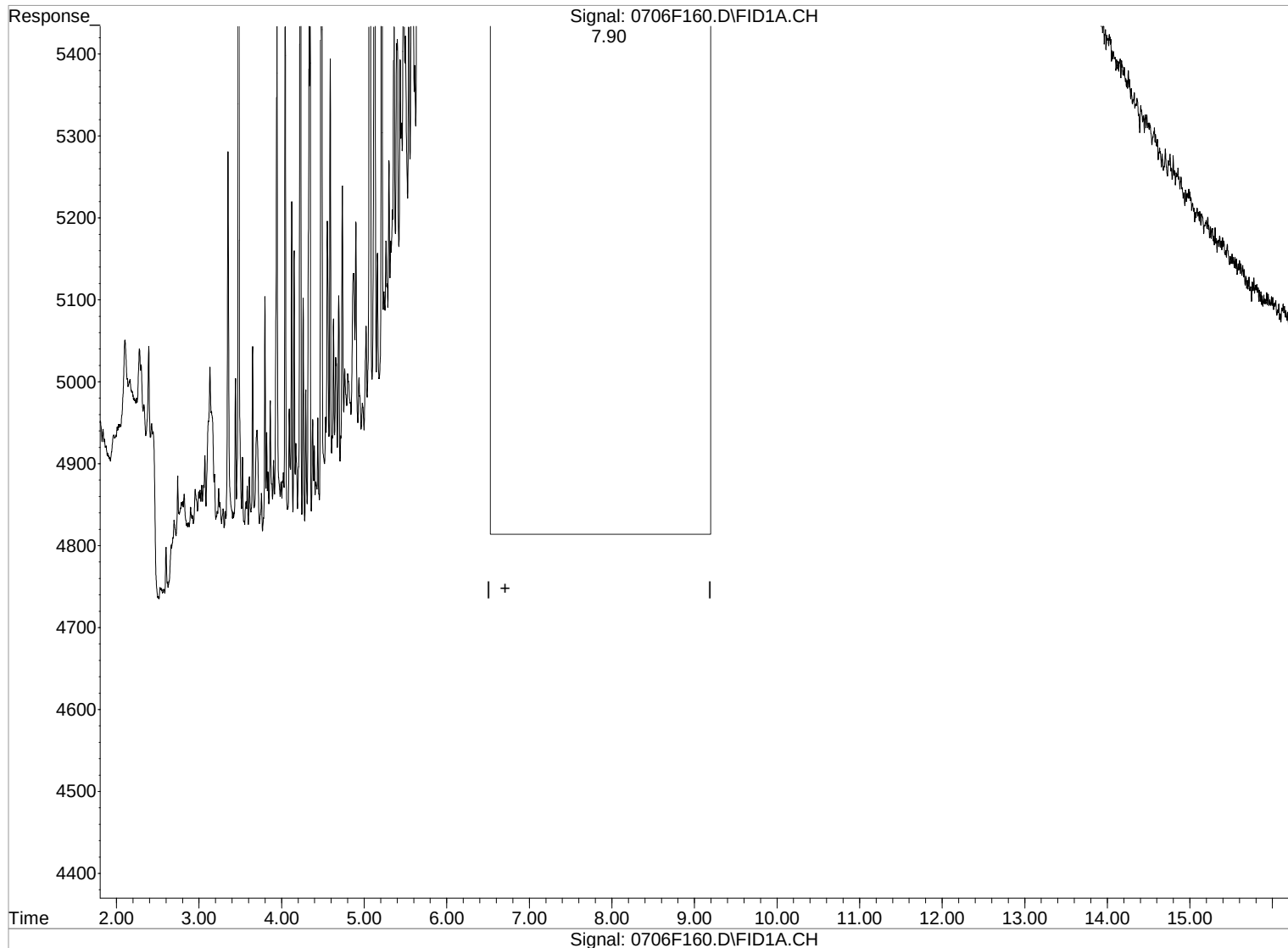
Multiplr: 1.00

Method : J:\GC21\METHODS\070620F.M (RTE Integrator)

Title : 8015/NWTPH/AK SVF MJ257 CAL16158

Last Update : Tue Jul 07 07:49:53 2020

Response via : Multiple Level Calibration



(11) C25-C36in RRO [AK103] (H)

6.71min 1916.195ppm

response 1666471

Manual Integration:

After

Baseline/Shoulder

07/07/20

(+) = Expected Retention Time

Data File : J:\GC21\DATA\070620F\0706F161.D Vial: 30
Acq On : 07 Jul 2020 5:25 am Operator: TAP
Sample : AK103 SVF02-93L 5000 Inst : GC21
Misc : Multiplr: 1.00
IntFile : rteint.p
Quant Time: Jul 07 07:51:18 2020 Quant Results File: 070620F.RES

Quant Method : J:\GC21\METHODS\070620F.M (RTE Integrator)
Title : 8015/NWTPH/AK SVF MJ257 CAL16158
Last Update : Tue Jul 07 07:51:09 2020
Response via : Initial Calibration
DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
Signal Phase : ZB-1
Signal Info : 15m x 0.25mm x 1.0 um

Compound	R.T.	Response	Conc Units
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System Monitoring Compounds

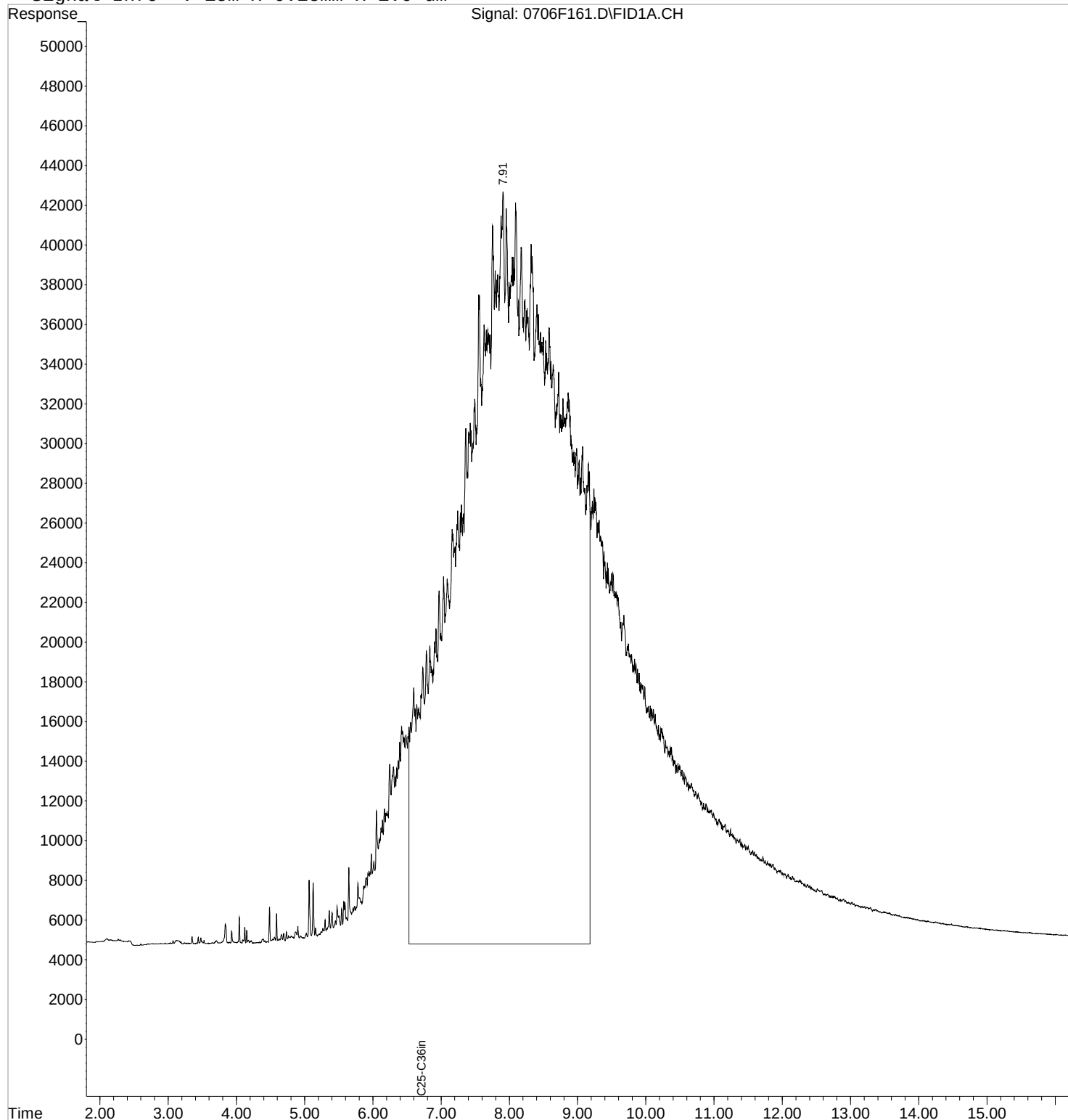
Target Compounds

11) H C25-C36in RRO [AK103]	6.71	3986610	4588.149 ppm
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Data File : J:\GC21\DATA\070620F\0706F161.D Vial: 30
Acq On : 07 Jul 2020 5:25 am Operator: TAP
Sample : AK103 SVF02-93L 5000 Inst : GC21
Misc : Multiplr: 1.00
IntFile : rteint.p
Quant Time: Jul 7 7:52 2020 Quant Results File: 070620F.RES

Quant Method : J:\GC21\METHODS\070620F.M (RTE Integrator)
Title : 8015/NWTPH/AK SVF MJ257 CAL16158
Last Update : Tue Jul 07 07:51:09 2020
Response via : Single Level Calibration
DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
Signal Phase : ZB-1
Signal Info : 15m x 0.25mm x 1.0 um



Data File : J:\GC21\DATA\070620F\0706F161.D

Acq On : 07 Jul 2020 5:25 am

Sample : AK103 SVF02-93L 5000

Misc :

IntFile : rteint.p

Quant Time: Jul 7 7:51 2020 Quant Results File: 070620F.RES

Vial: 30

Operator: TAP

Inst : GC21

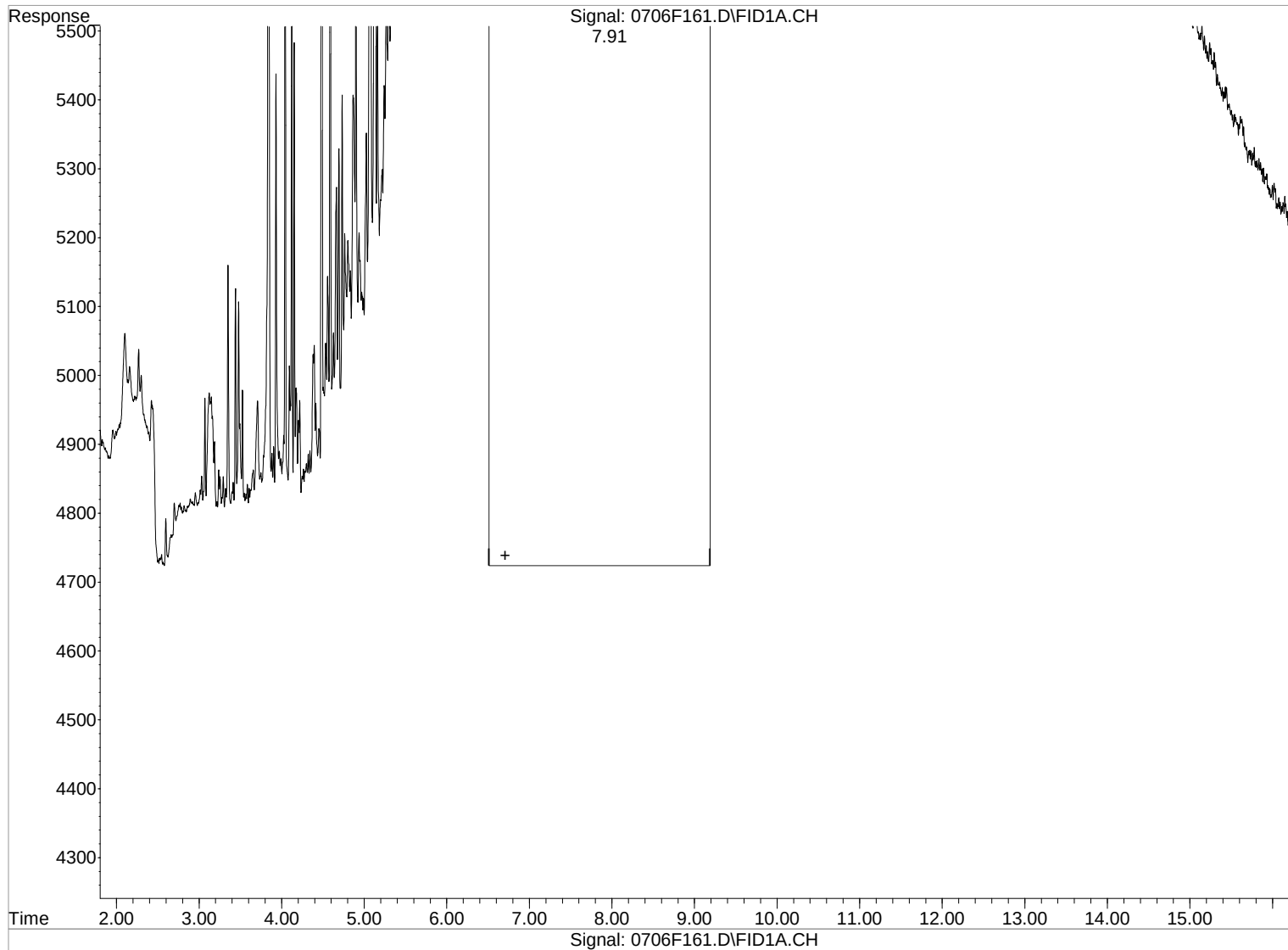
Multiplr: 1.00

Method : J:\GC21\METHODS\070620F.M (RTE Integrator)

Title : 8015/NWTPH/AK SVF MJ257 CAL16158

Last Update : Tue Jul 07 07:51:09 2020

Response via : Multiple Level Calibration



(11) C25-C36in RRO [AK103] (H)

Manual Integration:

6.71min 4626.668ppm

Before

response 4020079

07/07/20

(+) = Expected Retention Time

Data File : J:\GC21\DATA\070620F\0706F161.D

Acq On : 07 Jul 2020 5:25 am

Sample : AK103 SVF02-93L 5000

Misc :

IntFile : rteint.p

Quant Time: Jul 7 7:51 2020 Quant Results File: 070620F.RES

Vial: 30

Operator: TAP

Inst : GC21

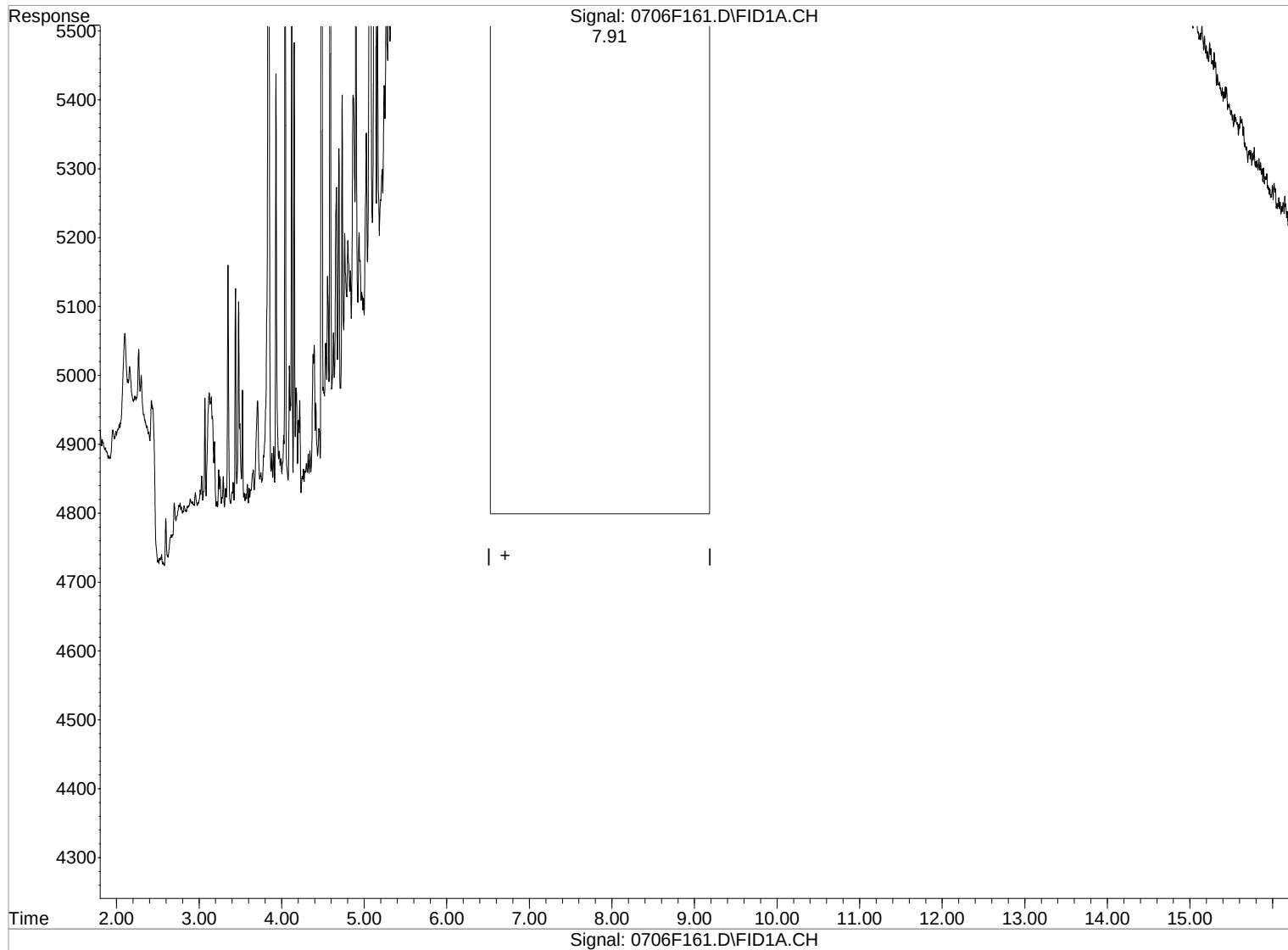
Multiplr: 1.00

Method : J:\GC21\METHODS\070620F.M (RTE Integrator)

Title : 8015/NWTPH/AK SVF MJ257 CAL16158

Last Update : Tue Jul 07 07:51:09 2020

Response via : Multiple Level Calibration



(11) C25-C36in RRO [AK103] (H)

6.71min 4588.149ppm

response 3986610

Manual Integration:

After

Baseline/Shoulder

07/07/20

(+) = Expected Retention Time

Data File : J:\GC21\DATA\070620F\0706F162.D Vial: 86
Acq On : 07 Jul 2020 5:48 am Operator: TAP
Sample : IB Inst : GC21
Misc : Multiplr: 1.00
IntFile : rteint.p
Quant Time: Jul 07 07:54:53 2020 Quant Results File: 070620F.RES

Quant Method : J:\GC21\METHODS\070620F.M (RTE Integrator)
Title : 8015/NWTPH/AK SVF MJ257 CAL16158
Last Update : Tue Jul 07 07:52:15 2020
Response via : Initial Calibration
DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
Signal Phase : ZB-1
Signal Info : 15m x 0.25mm x 1.0 um

Compound	R.T.	Response	Conc Units
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System Monitoring Compounds

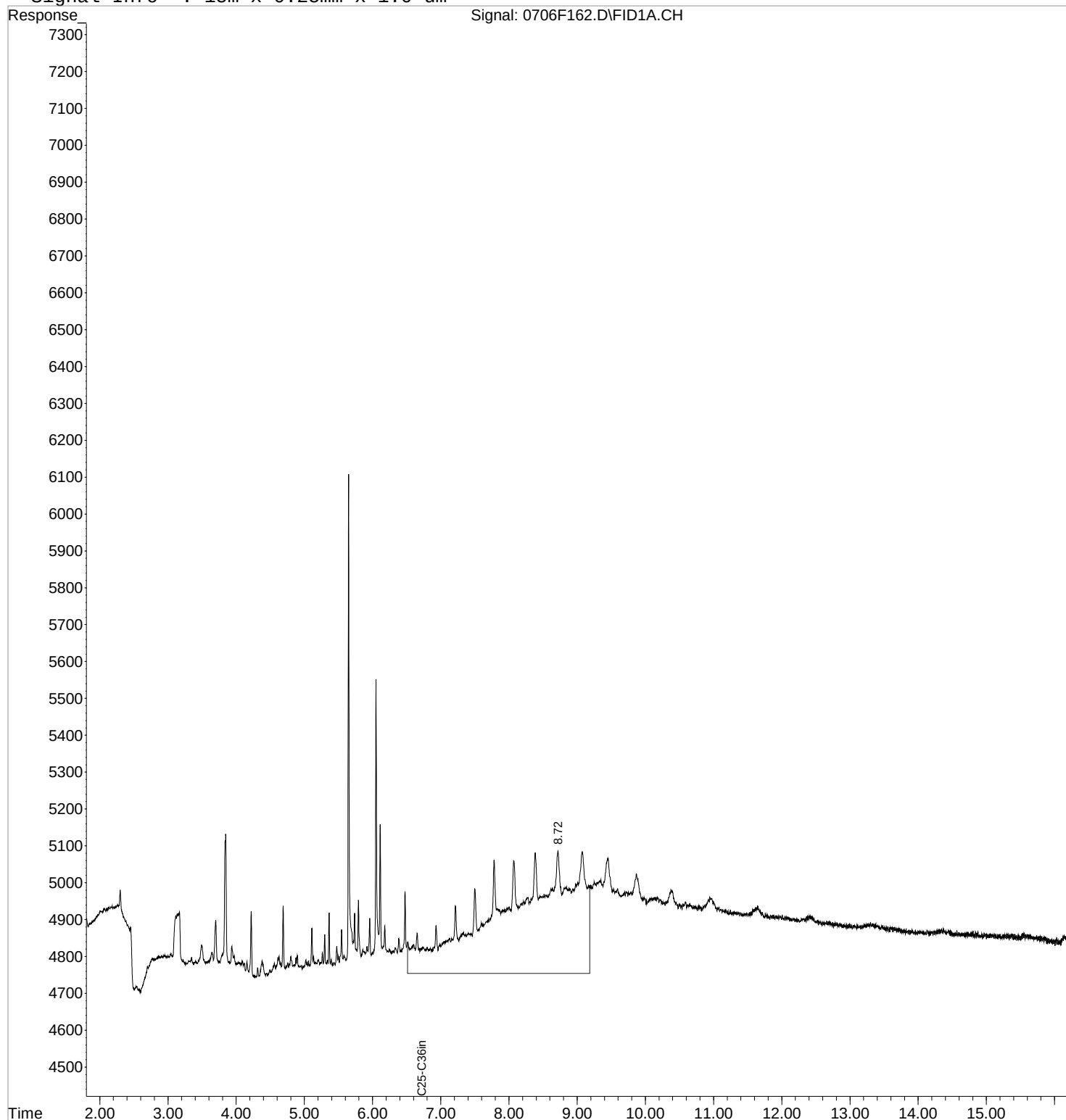
Target Compounds

11) H C25-C36in RRO [AK103]	6.71	26282	30.245 ppm
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Data File : J:\GC21\DATA\070620F\0706F162.D Vial: 86
Acq On : 07 Jul 2020 5:48 am Operator: TAP
Sample : IB Inst : GC21
Misc : Multiplr: 1.00
IntFile : rteint.p
Quant Time: Jul 7 7:55 2020 Quant Results File: 070620F.RES

Quant Method : J:\GC21\METHODS\070620F.M (RTE Integrator)
Title : 8015/NWTPH/AK SVF MJ257 CAL16158
Last Update : Tue Jul 07 07:52:15 2020
Response via : Single Level Calibration
DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
Signal Phase : ZB-1
Signal Info : 15m x 0.25mm x 1.0 um



Data File : J:\GC21\DATA\070620F\0706F162.D

Acq On : 07 Jul 2020 5:48 am

Sample : IB

Misc :

IntFile : rteint.p

Quant Time: Jul 7 7:54 2020 Quant Results File: 070620F.RES

Vial: 86

Operator: TAP

Inst : GC21

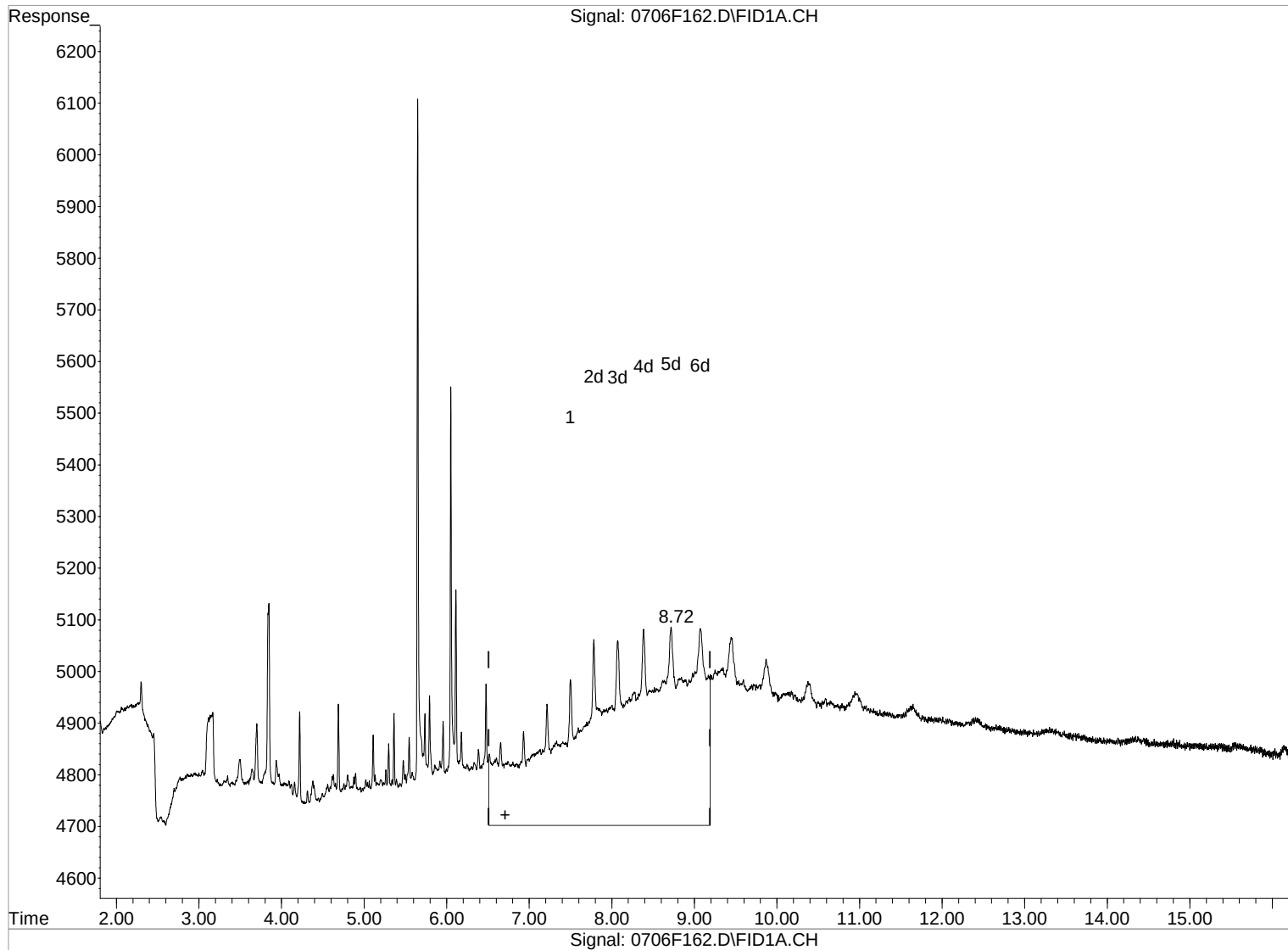
Multiplr: 1.00

Method : J:\GC21\METHODS\070620F.M (RTE Integrator)

Title : 8015/NWTPH/AK SVF MJ257 CAL16158

Last Update : Tue Jul 07 07:52:15 2020

Response via : Multiple Level Calibration



(11) C25-C36in RRO [AK103] (H)

6.71min 39.996ppm

response 34755

Manual Integration:

Before

07/07/20

(+) = Expected Retention Time

0706F162.D 070620F.M Tue Jul 07 07:55 2020

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Data File : J:\GC21\DATA\070620F\0706F162.D

Acq On : 07 Jul 2020 5:48 am

Sample : IB

Misc :

IntFile : rteint.p

Quant Time: Jul 7 7:54 2020 Quant Results File: 070620F.RES

Vial: 86

Operator: TAP

Inst : GC21

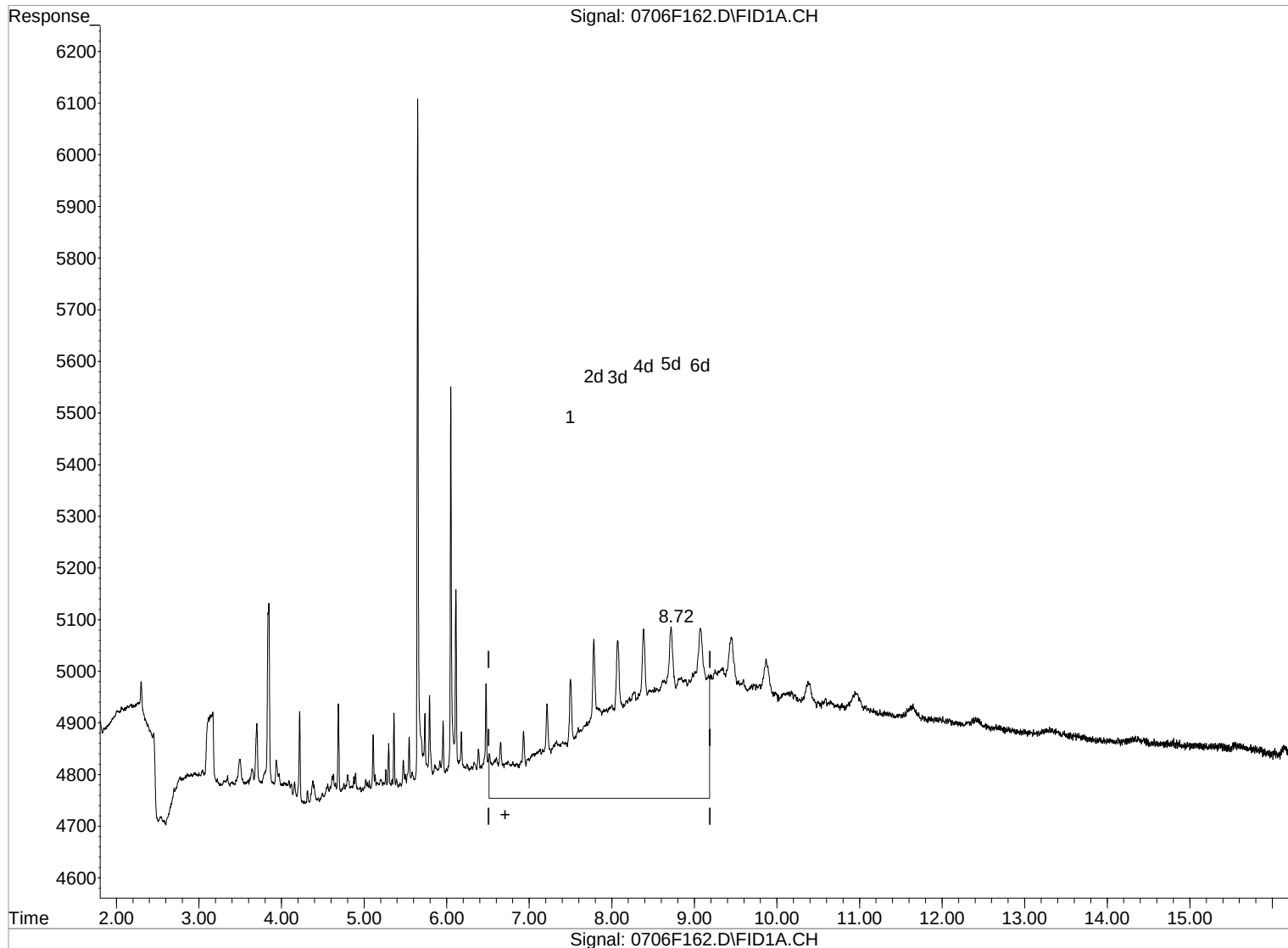
Multiplr: 1.00

Method : J:\GC21\METHODS\070620F.M (RTE Integrator)

Title : 8015/NWTPH/AK SVF MJ257 CAL16158

Last Update : Tue Jul 07 07:52:15 2020

Response via : Multiple Level Calibration



(11) C25-C36in RRO [AK103] (H)

6.71min 30.245ppm

response 26282

Manual Integration:

After

Baseline/Shoulder

07/07/20

(+) = Expected Retention Time

0706F162.D 070620F.M Tue Jul 07 07:55 2020 Page 240 of 438

Data File : J:\GC21\DATA\070620F\0706F163.D Vial: 31
Acq On : 07 Jul 2020 6:10 am Operator: TAP
Sample : AK103 SVF02-94C ICV@1000 Inst : GC21
Misc : Multiplr: 1.00
IntFile : rteint.p
Quant Time: Jul 07 07:55:38 2020 Quant Results File: 070620F.RES

Quant Method : J:\GC21\METHODS\070620F.M (RTE Integrator)
Title : 8015/NWTPH/AK SVF MJ257 CAL16158
Last Update : Tue Jul 07 07:52:15 2020
Response via : Initial Calibration
DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
Signal Phase : ZB-1
Signal Info : 15m x 0.25mm x 1.0 um

Compound	R.T.	Response	Conc Units
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System Monitoring Compounds

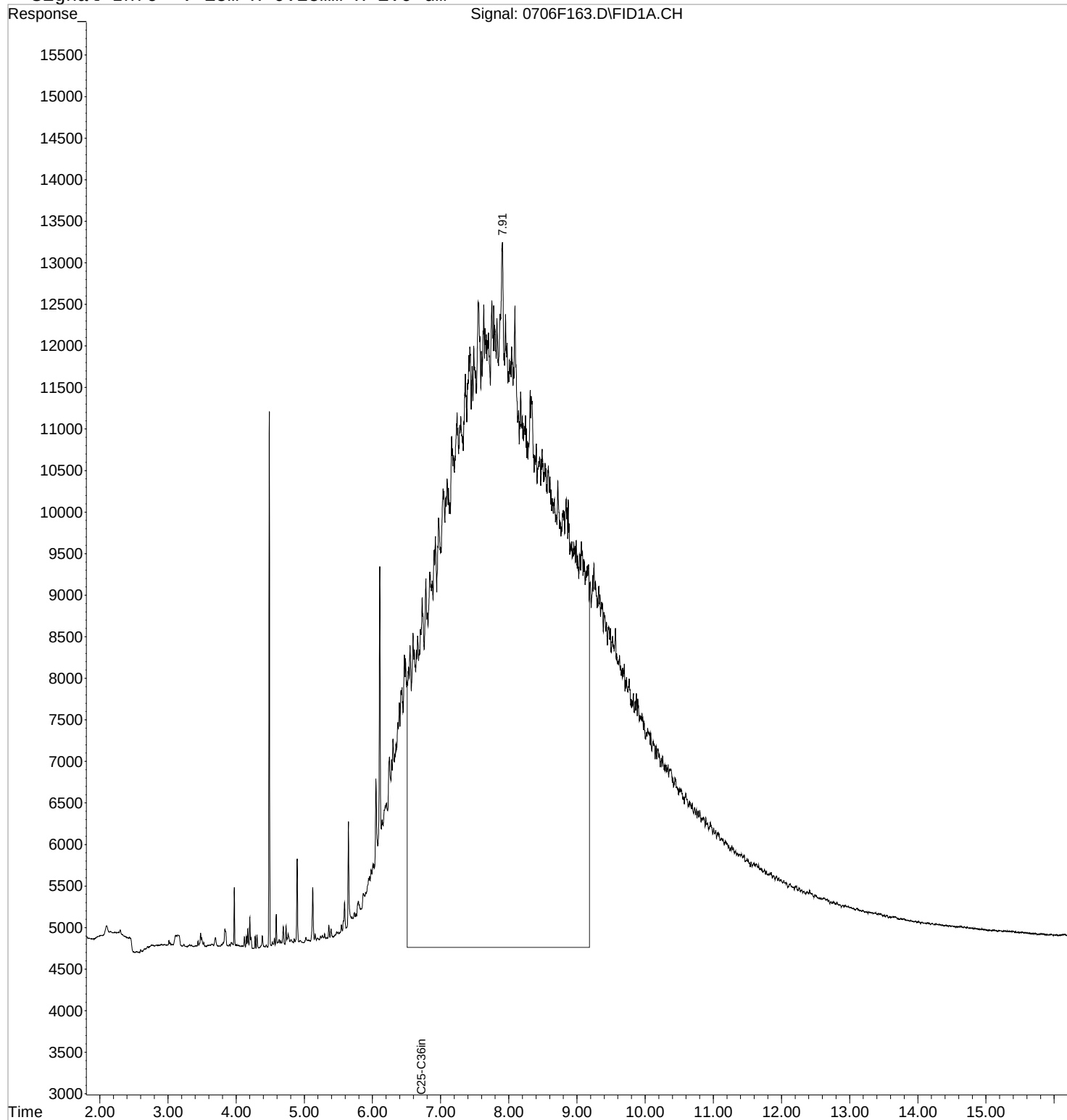
Target Compounds

11) H C25-C36in RRO [AK103]	6.71	914244	1052.113 ppm
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Data File : J:\GC21\DATA\070620F\0706F163.D Vial: 31
Acq On : 07 Jul 2020 6:10 am Operator: TAP
Sample : AK103 SVF02-94C ICV@1000 Inst : GC21
Misc : Multiplr: 1.00
IntFile : rteint.p
Quant Time: Jul 7 7:56 2020 Quant Results File: 070620F.RES

Quant Method : J:\GC21\METHODS\070620F.M (RTE Integrator)
Title : 8015/NWTPH/AK SVF MJ257 CAL16158
Last Update : Tue Jul 07 07:52:15 2020
Response via : Single Level Calibration
DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
Signal Phase : ZB-1
Signal Info : 15m x 0.25mm x 1.0 um



Data File : J:\GC21\DATA\070620F\0706F163.D

Acq On : 07 Jul 2020 6:10 am

Sample : AK103 SVF02-94C ICV@1000

Misc :

IntFile : rteint.p

Quant Time: Jul 7 7:55 2020 Quant Results File: 070620F.RES

Vial: 31

Operator: TAP

Inst : GC21

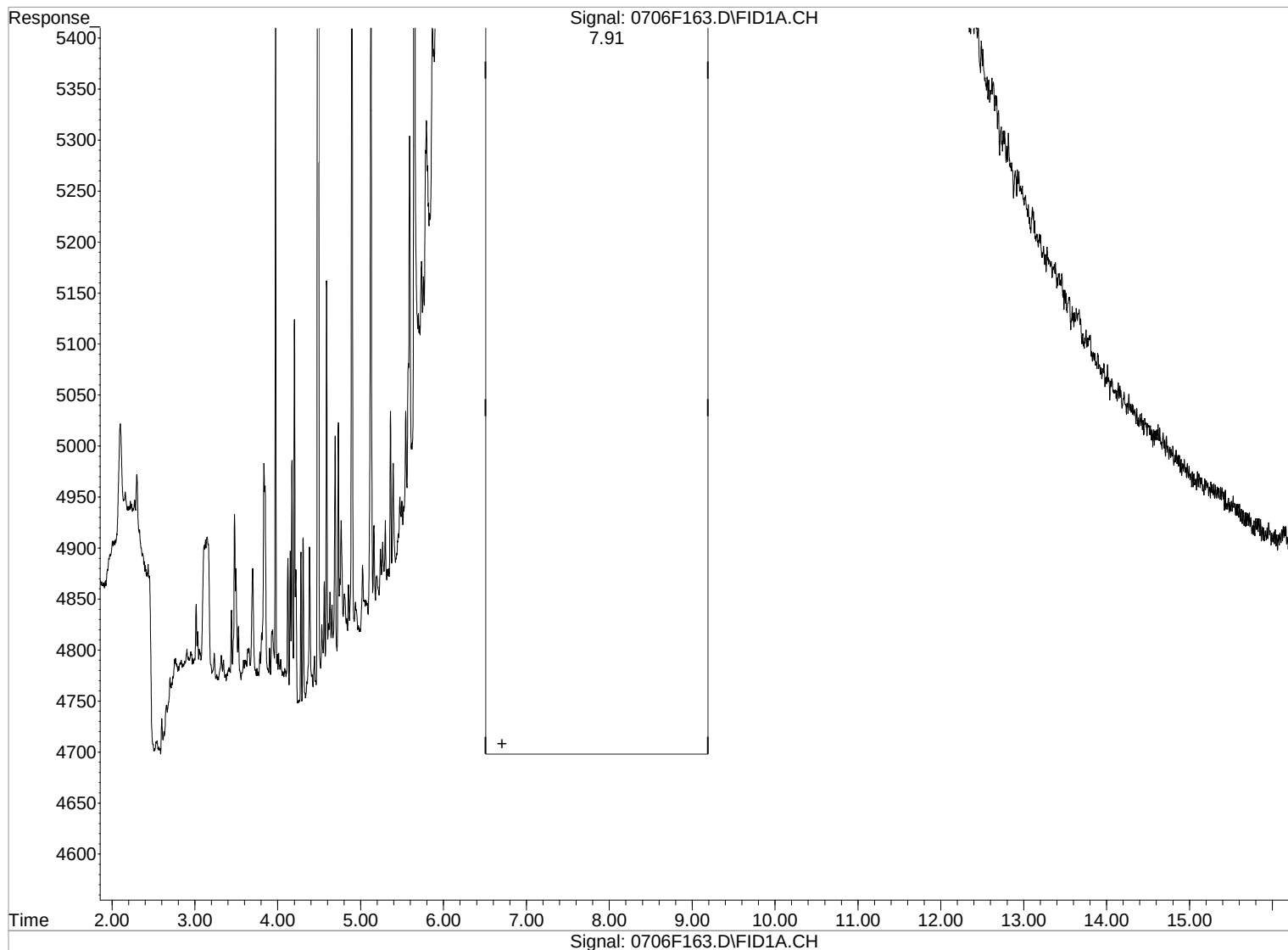
Multiplr: 1.00

Method : J:\GC21\METHODS\070620F.M (RTE Integrator)

Title : 8015/NWTPH/AK SVF MJ257 CAL16158

Last Update : Tue Jul 07 07:52:15 2020

Response via : Multiple Level Calibration



(11) C25-C36in RRO [AK103] (H)

Manual Integration:

6.71min 1065.965ppm

Before

response 926281

07/07/20

(+) = Expected Retention Time

Data File : J:\GC21\DATA\070620F\0706F163.D

Acq On : 07 Jul 2020 6:10 am

Sample : AK103 SVF02-94C ICV@1000

Misc :

IntFile : rteint.p

Quant Time: Jul 7 7:55 2020 Quant Results File: 070620F.RES

Vial: 31

Operator: TAP

Inst : GC21

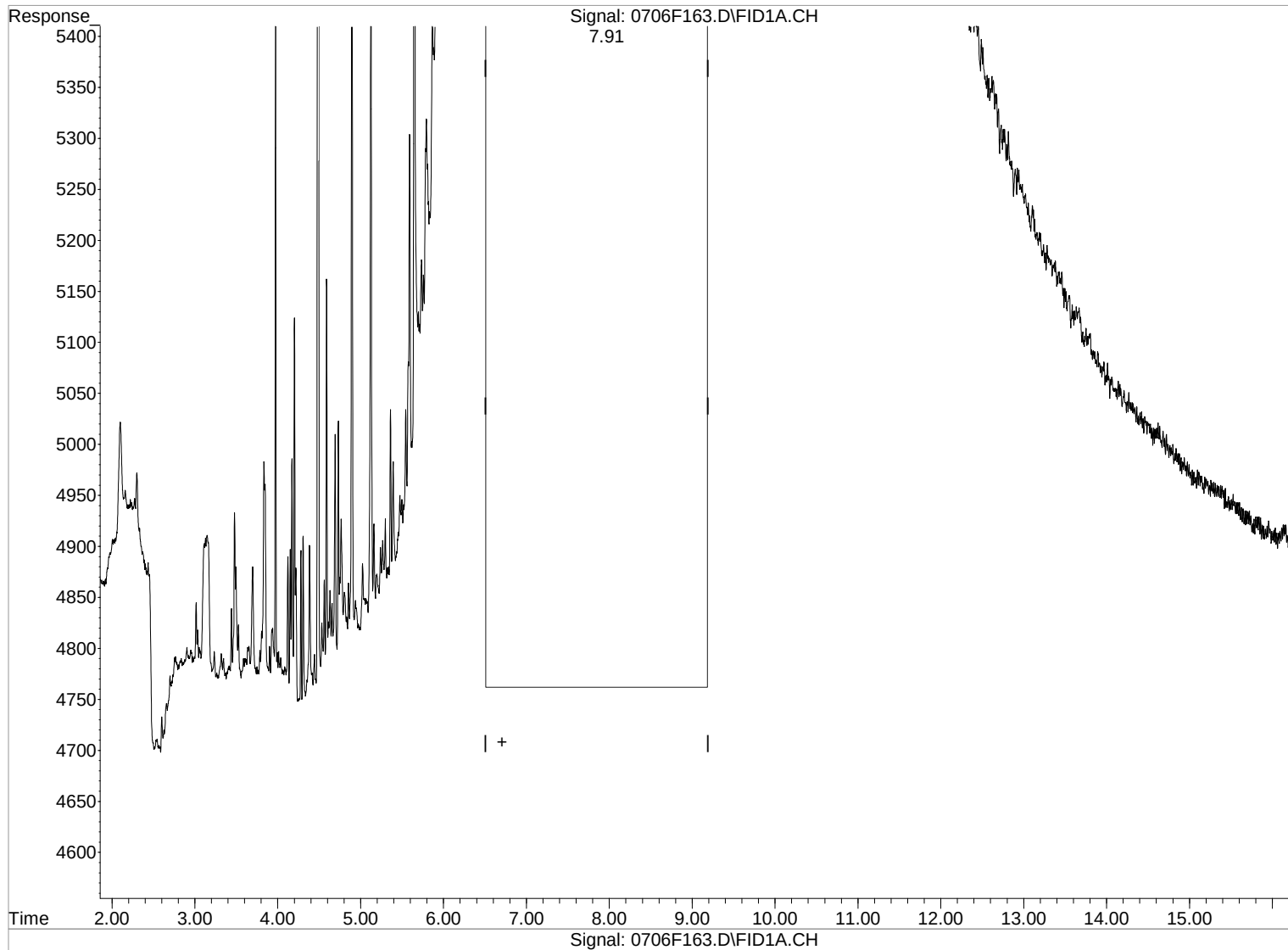
Multiplr: 1.00

Method : J:\GC21\METHODS\070620F.M (RTE Integrator)

Title : 8015/NWTPH/AK SVF MJ257 CAL16158

Last Update : Tue Jul 07 07:52:15 2020

Response via : Multiple Level Calibration



(11) C25-C36in RRO [AK103] (H)

6.71min 1052.113ppm

response 914244

Manual Integration:

After

Baseline/Shoulder

07/07/20

(+) = Expected Retention Time

Data File : J:\GC21\DATA\070620F\0706F166.D Vial: 90
Acq On : 07 Jul 2020 7:18 am Operator: TAP
Sample : IB Inst : GC21
Misc : Multiplr: 1.00
IntFile : rteint.p
Quant Time: Jul 07 09:14:07 2020 Quant Results File: 070620F.RES

Quant Method : J:\GC21\METHODS\070620F.M (RTE Integrator)
Title : 8015/NWTPH/AK SVF MJ257 CAL16158
Last Update : Tue Jul 07 08:30:44 2020
Response via : Initial Calibration
DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
Signal Phase : ZB-1
Signal Info : 15m x 0.25mm x 1.0 um

Compound	R.T.	Response	Conc Units
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System Monitoring Compounds

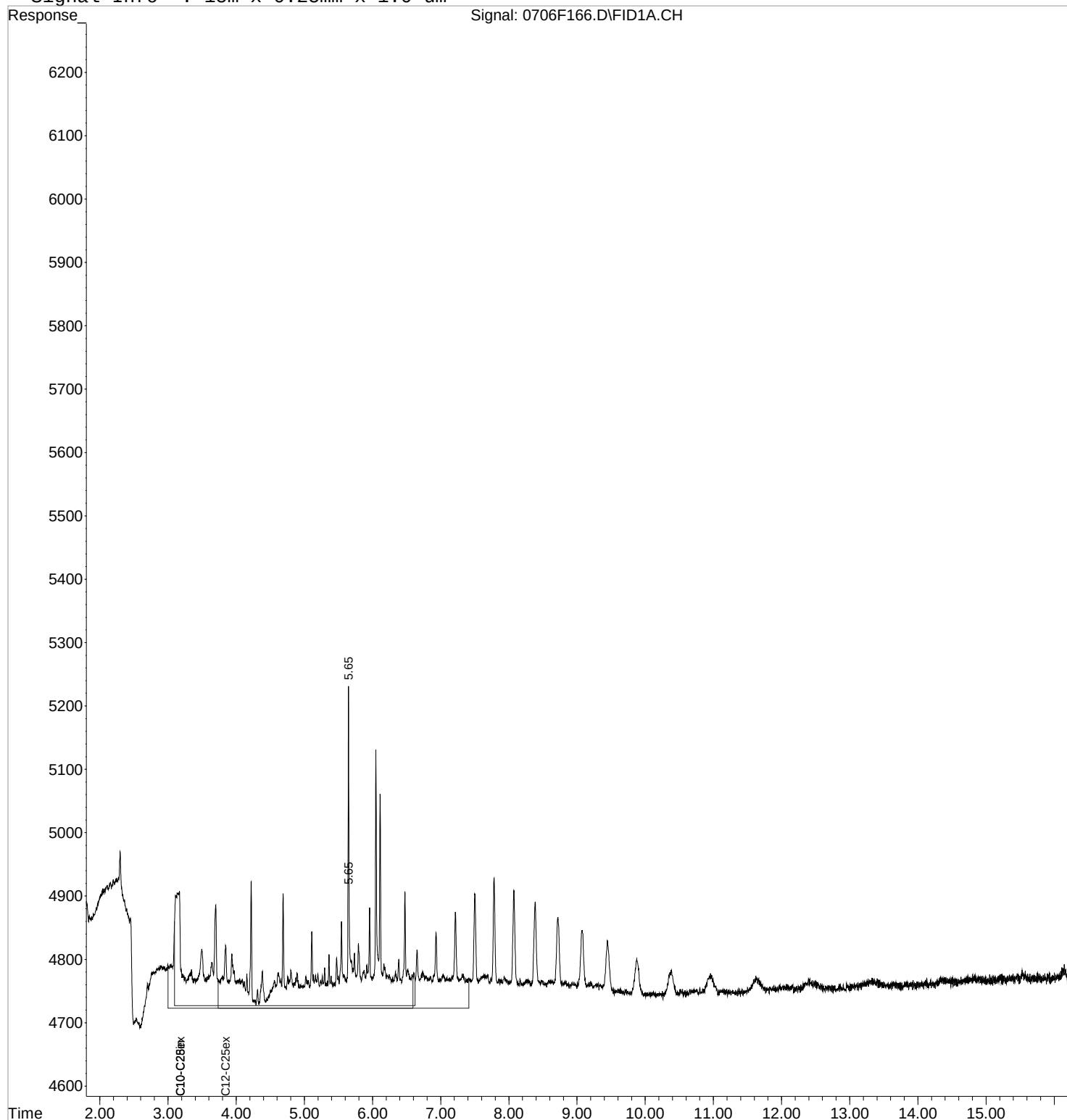
Target Compounds

6) H	C10-C25ex DRO [AK102]	3.19	11412	7.131 ppm
7) H	C10-C28in DRO [8015]	3.19	15193	9.087 ppm
8) H	C12-C25ex DRO [NWTPH]	3.84	9379	6.968 ppm

Data File : J:\GC21\DATA\070620F\0706F166.D Vial: 90
Acq On : 07 Jul 2020 7:18 am Operator: TAP
Sample : IB Inst : GC21
Misc : Multiplr: 1.00
IntFile : rteint.p
Quant Time: Jul 7 9:15 2020 Quant Results File: 070620F.RES

Quant Method : J:\GC21\METHODS\070620F.M (RTE Integrator)
Title : 8015/NWTPH/AK SVF MJ257 CAL16158
Last Update : Tue Jul 07 08:30:44 2020
Response via : Single Level Calibration
DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
Signal Phase : ZB-1
Signal Info : 15m x 0.25mm x 1.0 um



Data File : J:\GC21\DATA\070620F\0706F166.D

Acq On : 07 Jul 2020 7:18 am

Sample : IB

Misc :

IntFile : rteint.p

Quant Time: Jul 7 9:14 2020 Quant Results File: 070620F.RES

Vial: 90

Operator: TAP

Inst : GC21

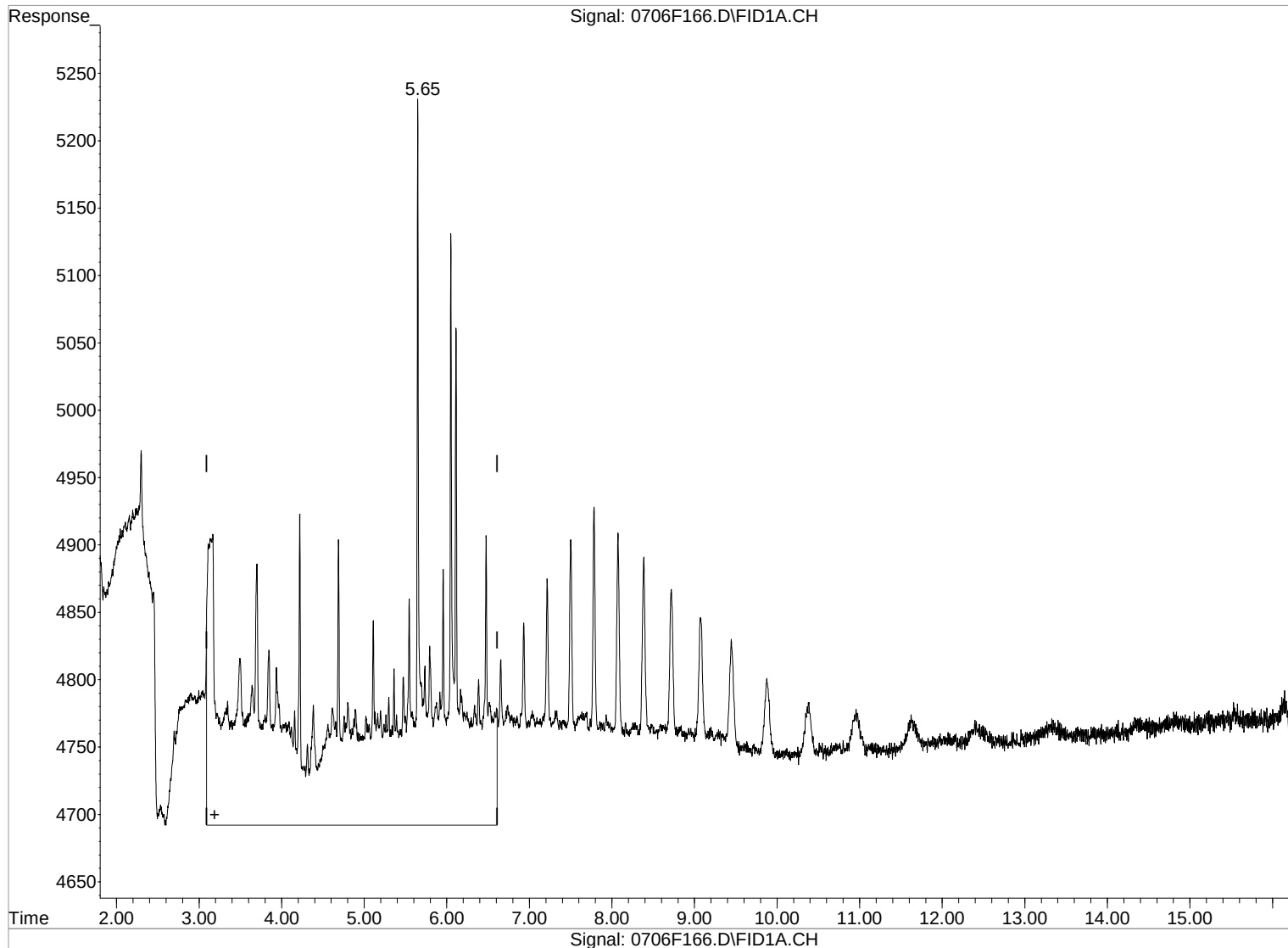
Multiplr: 1.00

Method : J:\GC21\METHODS\070620F.M (RTE Integrator)

Title : 8015/NWTPH/AK SVF MJ257 CAL16158

Last Update : Tue Jul 07 08:30:44 2020

Response via : Multiple Level Calibration



(6) C10-C25ex DRO [AK102] (H)

Manual Integration:

3.19min 11.747ppm

Before

response 18798

07/07/20

(+) = Expected Retention Time

Data File : J:\GC21\DATA\070620F\0706F166.D

Acq On : 07 Jul 2020 7:18 am

Sample : IB

Misc :

IntFile : rteint.p

Quant Time: Jul 7 9:14 2020 Quant Results File: 070620F.RES

Vial: 90

Operator: TAP

Inst : GC21

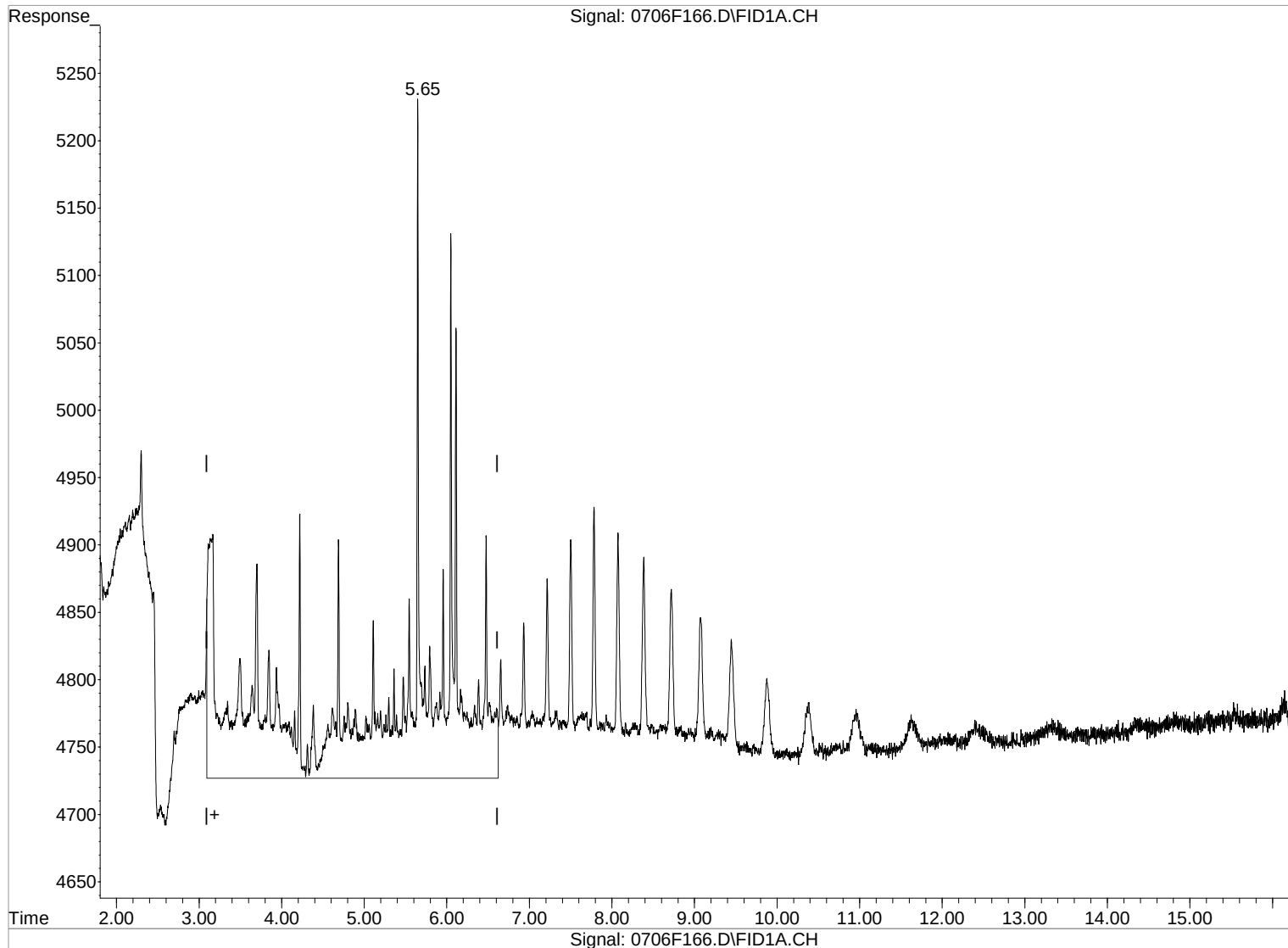
Multiplr: 1.00

Method : J:\GC21\METHODS\070620F.M (RTE Integrator)

Title : 8015/NWTPH/AK SVF MJ257 CAL16158

Last Update : Tue Jul 07 08:30:44 2020

Response via : Multiple Level Calibration



(6) C10-C25ex DRO [AK102] (H)

3.19min 7.131ppm

response 11412

Manual Integration:

After

Baseline/Shoulder

07/07/20

(+) = Expected Retention Time

Data File : J:\GC21\DATA\070620F\0706F166.D

Acq On : 07 Jul 2020 7:18 am

Sample : IB

Misc :

IntFile : rteint.p

Quant Time: Jul 7 9:14 2020 Quant Results File: 070620F.RES

Vial: 90

Operator: TAP

Inst : GC21

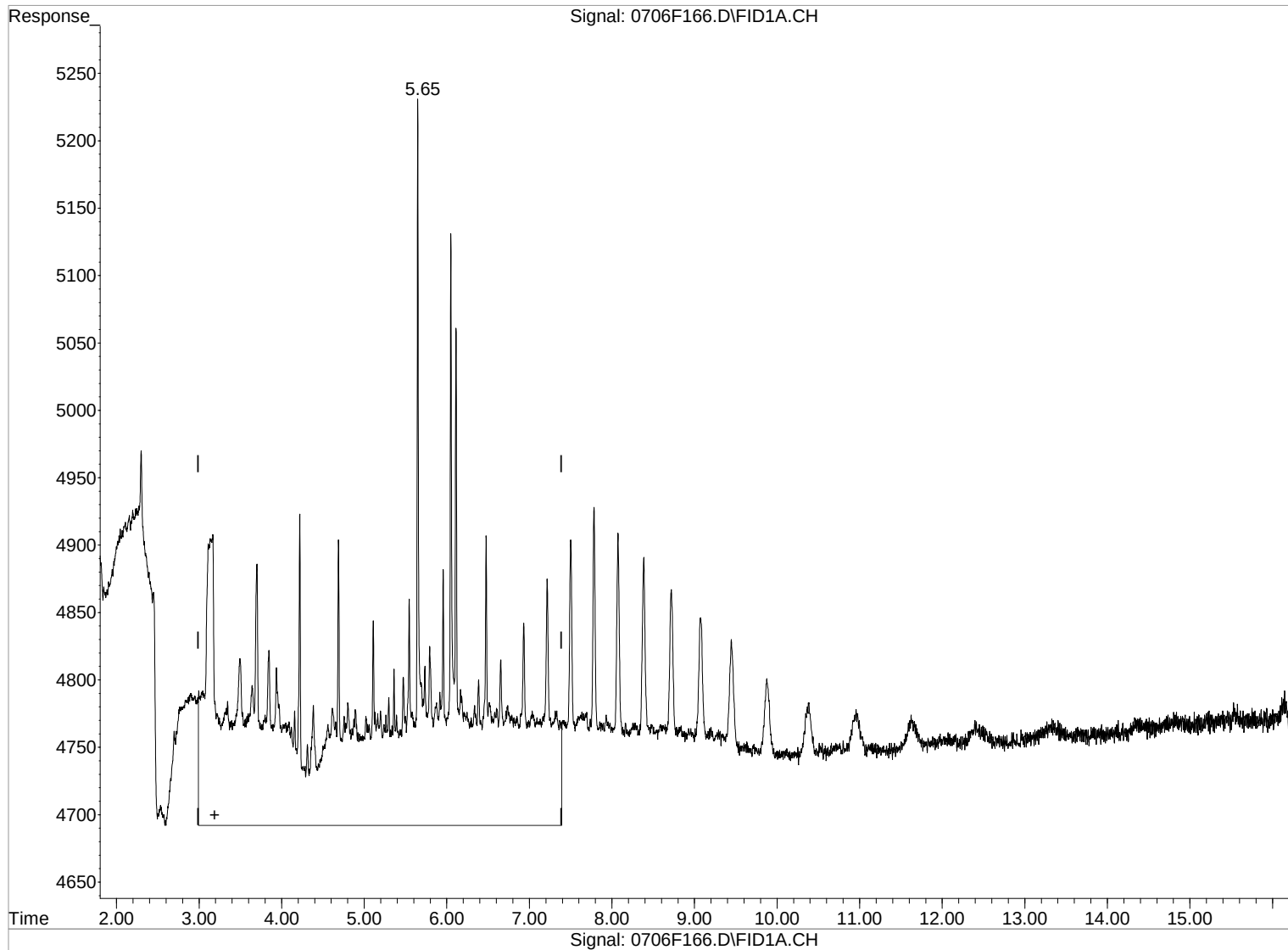
Multiplr: 1.00

Method : J:\GC21\METHODS\070620F.M (RTE Integrator)

Title : 8015/NWTPH/AK SVF MJ257 CAL16158

Last Update : Tue Jul 07 08:30:44 2020

Response via : Multiple Level Calibration



(7) C10-C28in DRO [8015] (H)

Manual Integration:

3.19min 13.968ppm

Before

response 23352

07/07/20

(+) = Expected Retention Time

Data File : J:\GC21\DATA\070620F\0706F166.D

Acq On : 07 Jul 2020 7:18 am

Sample : IB

Misc :

IntFile : rteint.p

Quant Time: Jul 7 9:14 2020 Quant Results File: 070620F.RES

Vial: 90

Operator: TAP

Inst : GC21

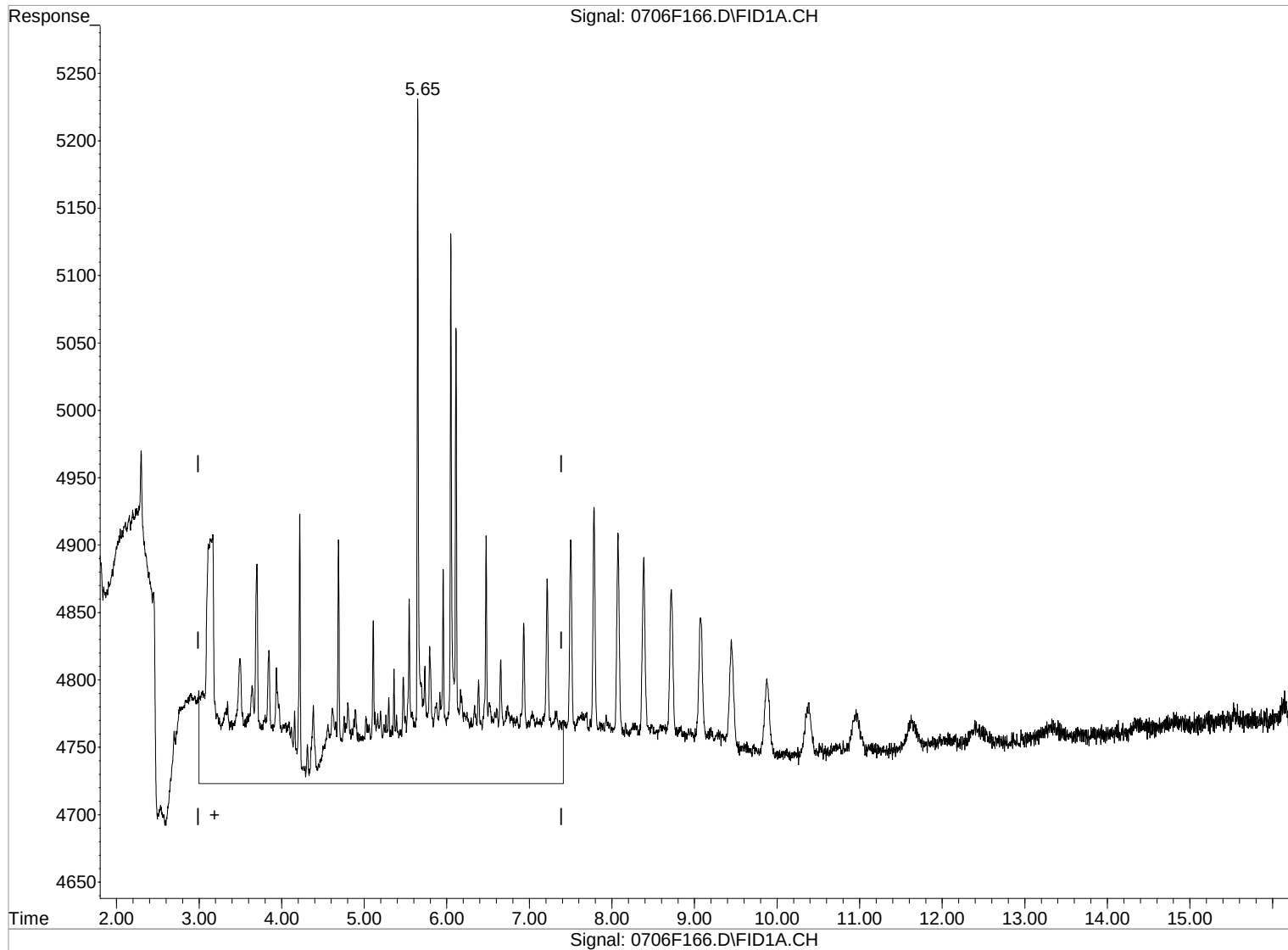
Multiplr: 1.00

Method : J:\GC21\METHODS\070620F.M (RTE Integrator)

Title : 8015/NWTPH/AK SVF MJ257 CAL16158

Last Update : Tue Jul 07 08:30:44 2020

Response via : Multiple Level Calibration



(7) C10-C28in DRO [8015] (H)

3.19min 9.087ppm

response 15193

Manual Integration:

After

Baseline/Shoulder

07/07/20

(+) = Expected Retention Time

Data File : J:\GC21\DATA\070620F\0706F166.D

Acq On : 07 Jul 2020 7:18 am

Sample : IB

Misc :

IntFile : rteint.p

Quant Time: Jul 7 9:14 2020 Quant Results File: 070620F.RES

Vial: 90

Operator: TAP

Inst : GC21

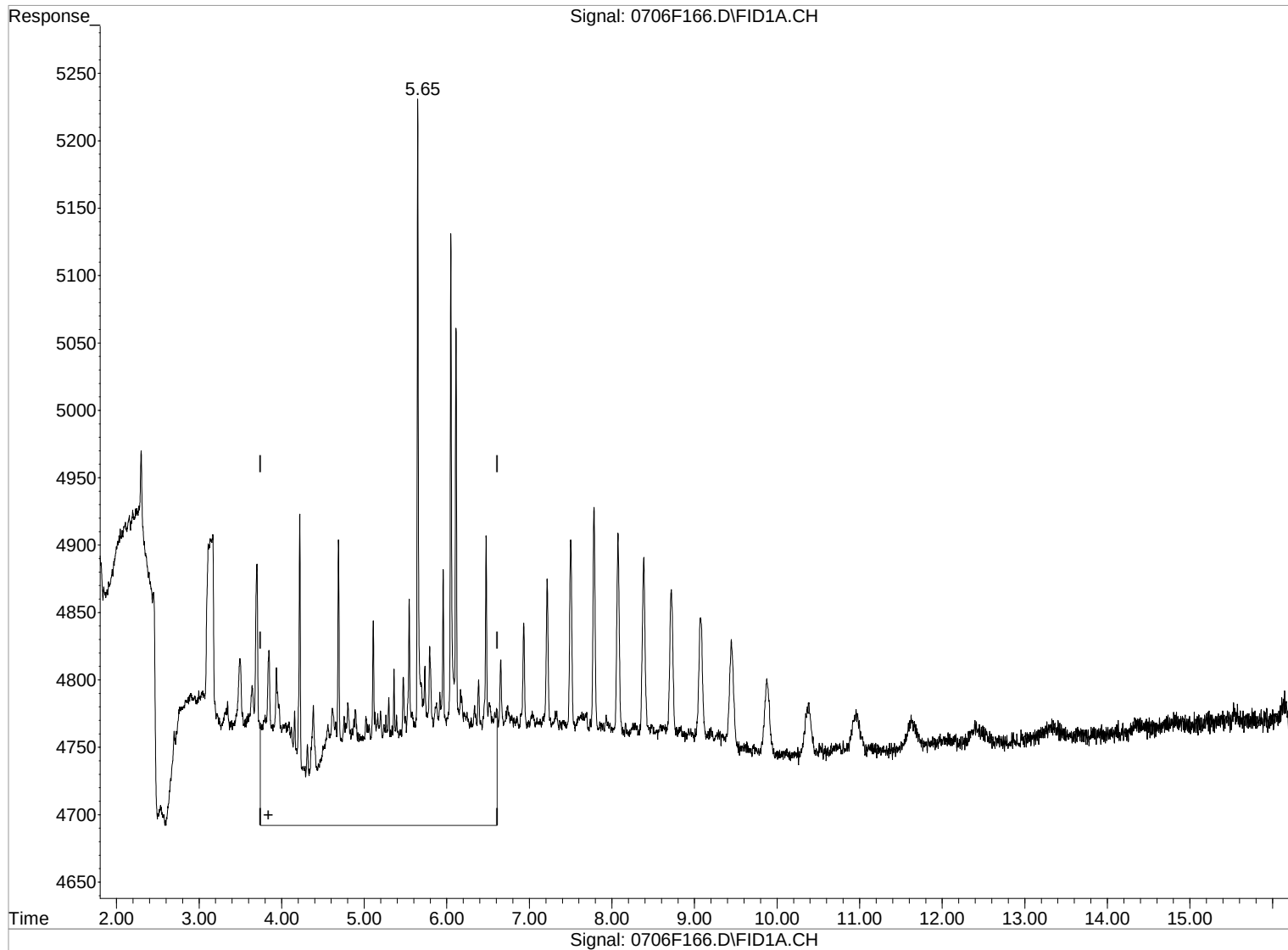
Multiplr: 1.00

Method : J:\GC21\METHODS\070620F.M (RTE Integrator)

Title : 8015/NWTPH/AK SVF MJ257 CAL16158

Last Update : Tue Jul 07 08:30:44 2020

Response via : Multiple Level Calibration



(8) C12-C25ex DRO [NWTPH] (H)

3.84min 10.960ppm

response 14753

Manual Integration:

Before

07/07/20

(+) = Expected Retention Time

Data File : J:\GC21\DATA\070620F\0706F166.D

Acq On : 07 Jul 2020 7:18 am

Sample : IB

Misc :

IntFile : rteint.p

Quant Time: Jul 7 9:14 2020 Quant Results File: 070620F.RES

Vial: 90

Operator: TAP

Inst : GC21

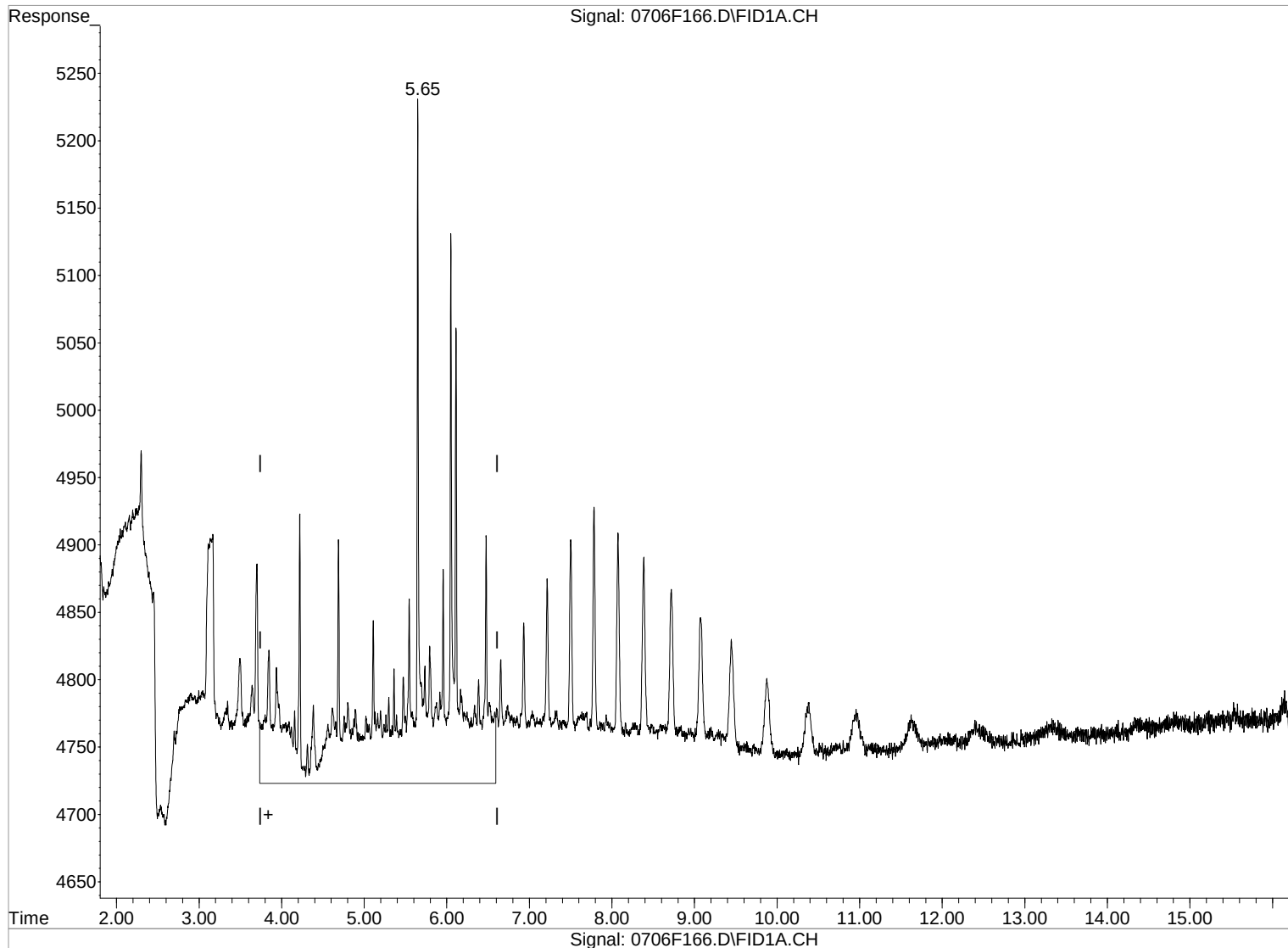
Multiplr: 1.00

Method : J:\GC21\METHODS\070620F.M (RTE Integrator)

Title : 8015/NWTPH/AK SVF MJ257 CAL16158

Last Update : Tue Jul 07 08:30:44 2020

Response via : Multiple Level Calibration



(8) C12-C25ex DRO [NWTPH] (H)

3.84min 6.968ppm

response 9379

Manual Integration:

After

Baseline/Shoulder

07/07/20

(+) = Expected Retention Time

Data File : J:\GC21\DATA\070620F\0706F167.D Vial: 17
Acq On : 07 Jul 2020 7:41 am Operator: TAP
Sample : DRO SVF02-92G 50,000 Inst : GC21
Misc : Multiplr: 1.00
IntFile : rteint.p
Quant Time: Jul 07 07:58:16 2020 Quant Results File: 070620F.RES

Quant Method : J:\GC21\METHODS\070620F.M (RTE Integrator)
Title : 8015/NWTPH/AK SVF MJ257 CAL16158
Last Update : Tue Jul 07 07:52:15 2020
Response via : Initial Calibration
DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
Signal Phase : ZB-1
Signal Info : 15m x 0.25mm x 1.0 um

Compound	R.T.	Response	Conc Units
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System Monitoring Compounds

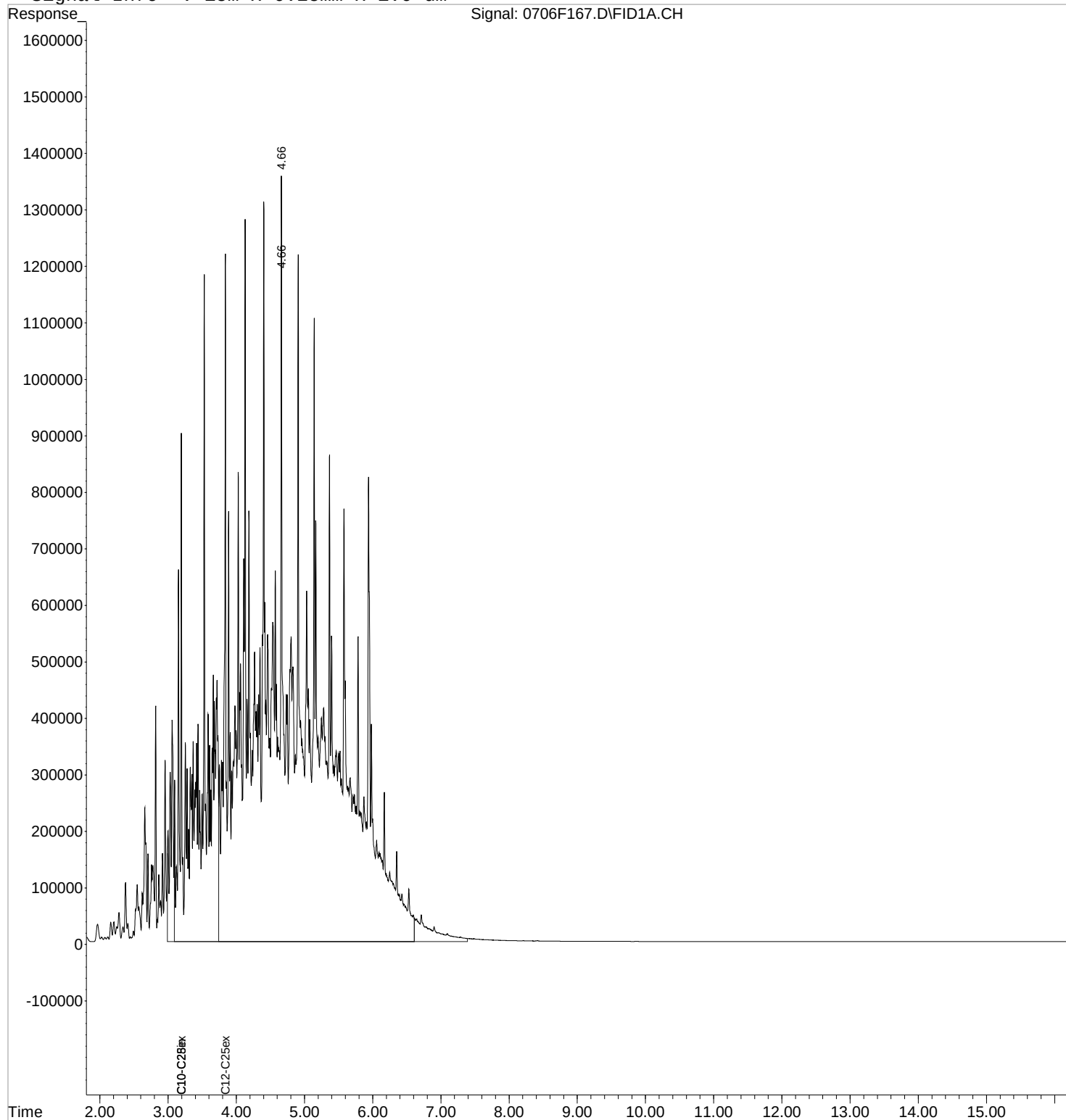
Target Compounds

6) H	C10-C25ex DRO [AK102]	3.19	67084919	42170.791	ppm
7) H	C10-C28in DRO [8015]	3.19	69185862	41627.290	ppm
8) H	C12-C25ex DRO [NWTPH]	3.84	56734812	42394.883	ppm

Data File : J:\GC21\DATA\070620F\0706F167.D Vial: 17
Acq On : 07 Jul 2020 7:41 am Operator: TAP
Sample : DRO SVF02-92G 50,000 Inst : GC21
Misc : Multiplr: 1.00
IntFile : rteint.p
Quant Time: Jul 7 7:58 2020 Quant Results File: 070620F.RES

Quant Method : J:\GC21\METHODS\070620F.M (RTE Integrator)
Title : 8015/NWTPH/AK SVF MJ257 CAL16158
Last Update : Tue Jul 07 07:52:15 2020
Response via : Single Level Calibration
DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
Signal Phase : ZB-1
Signal Info : 15m x 0.25mm x 1.0 um



Data File : J:\GC21\DATA\070620F\0706F168.D Vial: 16
Acq On : 07 Jul 2020 8:03 am Operator: TAP
Sample : DRO SVF02-92H 20,000 Inst : GC21
Misc : Multiplr: 1.00
IntFile : rteint.p
Quant Time: Jul 07 08:22:58 2020 Quant Results File: 070620F.RES

Quant Method : J:\GC21\METHODS\070620F.M (RTE Integrator)
Title : 8015/NWTPH/AK SVF MJ257 CAL16158
Last Update : Tue Jul 07 07:58:49 2020
Response via : Initial Calibration
DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
Signal Phase : ZB-1
Signal Info : 15m x 0.25mm x 1.0 um

Compound	R.T.	Response	Conc Units
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System Monitoring Compounds

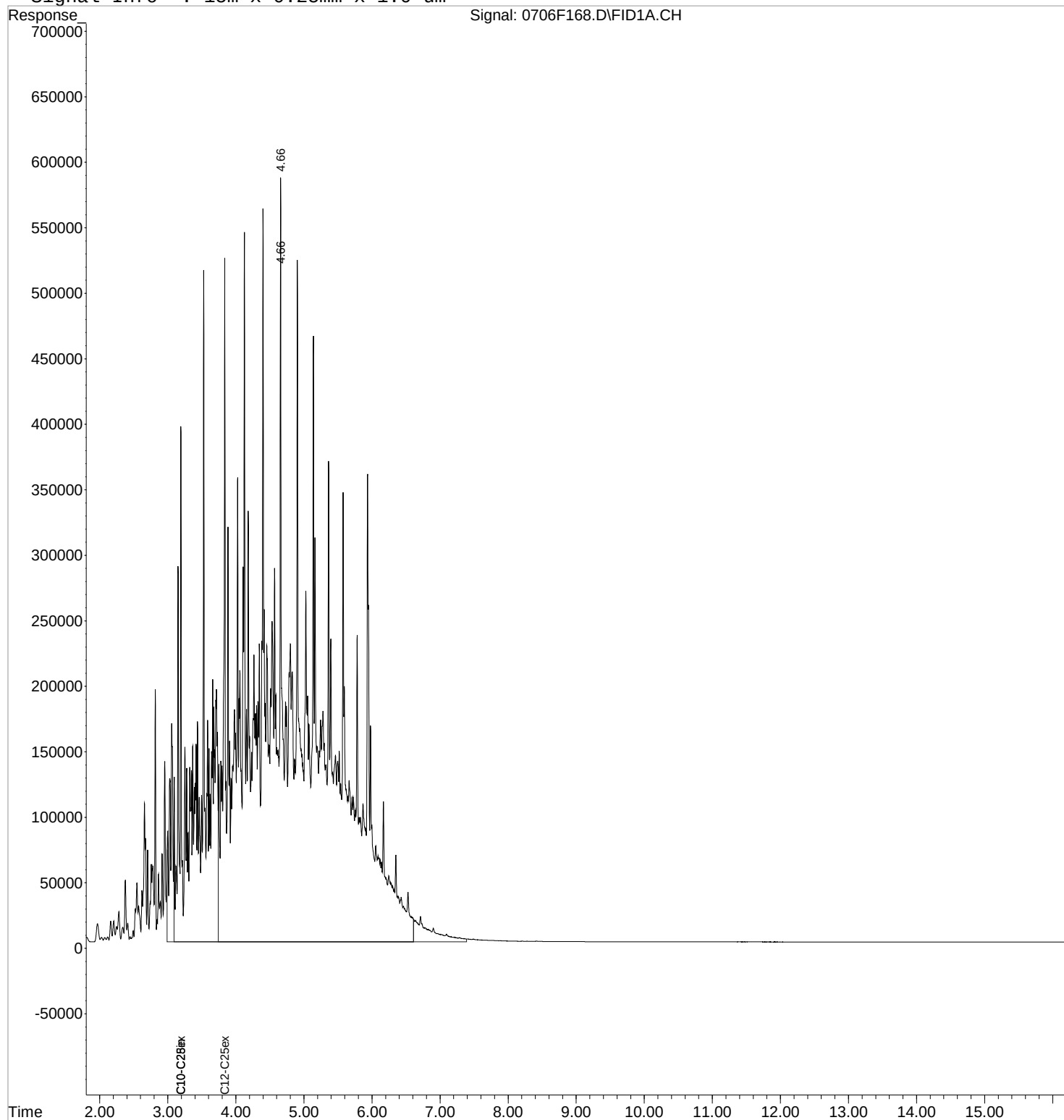
Target Compounds

6) H	C10-C25ex DRO [AK102]	3.19	28170276	17697.716	ppm
7) H	C10-C28in DRO [8015]	3.19	29050701	17467.888	ppm
8) H	C12-C25ex DRO [NWTPH]	3.84	23788918	17768.595	ppm

Data File : J:\GC21\DATA\070620F\0706F168.D Vial: 16
Acq On : 07 Jul 2020 8:03 am Operator: TAP
Sample : DRO SVF02-92H 20,000 Inst : GC21
Misc : Multiplr: 1.00
IntFile : rteint.p
Quant Time: Jul 7 8:23 2020 Quant Results File: 070620F.RES

Quant Method : J:\GC21\METHODS\070620F.M (RTE Integrator)
Title : 8015/NWTPH/AK SVF MJ257 CAL16158
Last Update : Tue Jul 07 07:58:49 2020
Response via : Single Level Calibration
DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
Signal Phase : ZB-1
Signal Info : 15m x 0.25mm x 1.0 um



Data File : J:\GC21\DATA\070620F\0706F169.D Vial: 86
Acq On : 07 Jul 2020 8:26 am Operator: TAP
Sample : IB Inst : GC21
Misc : Multiplr: 1.00
IntFile : rteint.p
Quant Time: Jul 07 09:15:33 2020 Quant Results File: 070620F.RES

Quant Method : J:\GC21\METHODS\070620F.M (RTE Integrator)
Title : 8015/NWTPH/AK SVF MJ257 CAL16158
Last Update : Tue Jul 07 08:30:44 2020
Response via : Initial Calibration
DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
Signal Phase : ZB-1
Signal Info : 15m x 0.25mm x 1.0 um

Compound	R.T.	Response	Conc Units
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System Monitoring Compounds

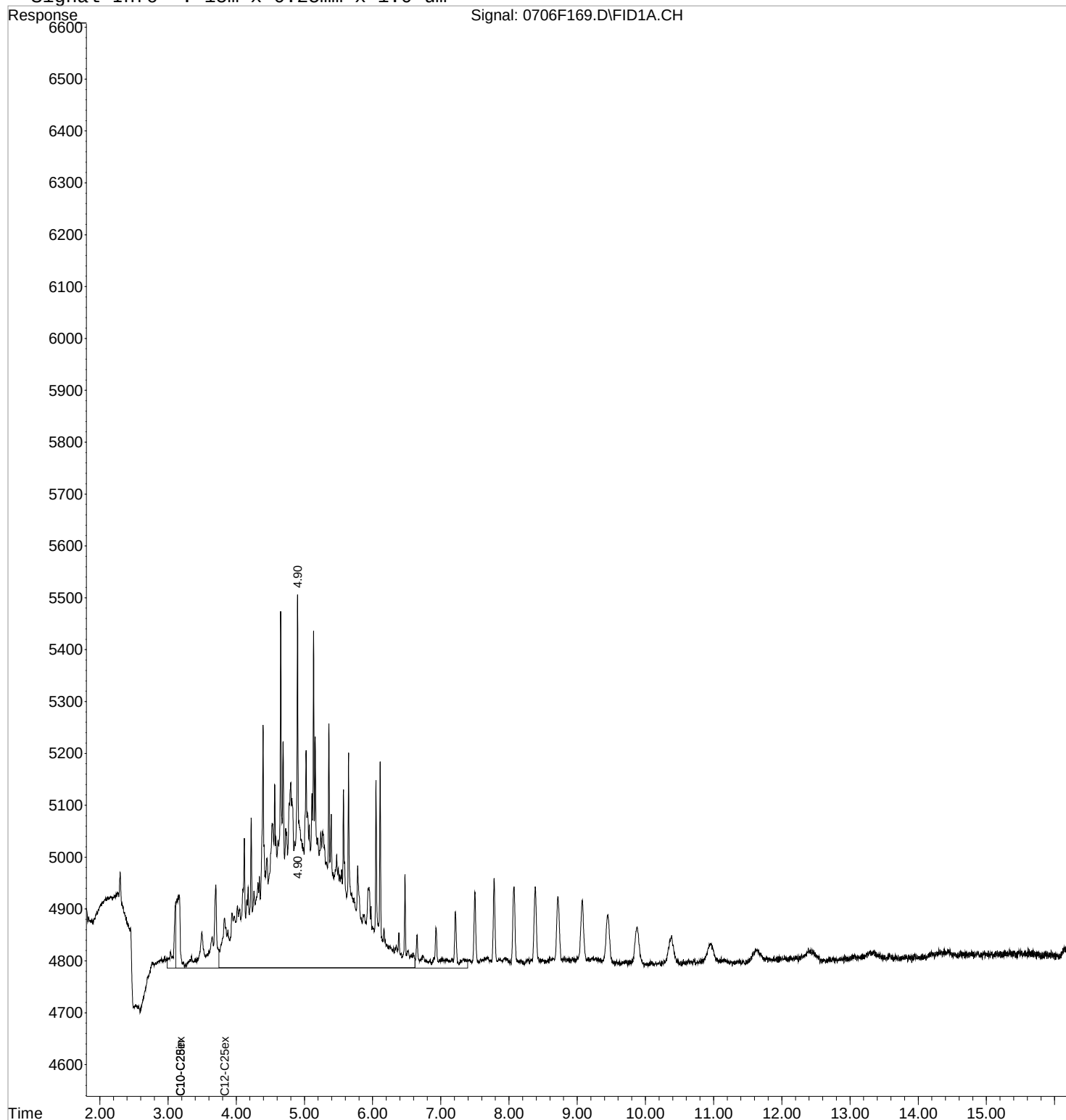
Target Compounds

6) H	C10-C25ex DRO [AK102]	3.19	30584	19.112 ppm
7) H	C10-C28in DRO [8015]	3.19	31838	19.043 ppm
8) H	C12-C25ex DRO [NWTPH]	3.84	28819	21.409 ppm

Data File : J:\GC21\DATA\070620F\0706F169.D Vial: 86
Acq On : 07 Jul 2020 8:26 am Operator: TAP
Sample : IB Inst : GC21
Misc : Multiplr: 1.00
IntFile : rteint.p
Quant Time: Jul 7 9:16 2020 Quant Results File: 070620F.RES

Quant Method : J:\GC21\METHODS\070620F.M (RTE Integrator)
Title : 8015/NWTPH/AK SVF MJ257 CAL16158
Last Update : Tue Jul 07 08:30:44 2020
Response via : Single Level Calibration
DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
Signal Phase : ZB-1
Signal Info : 15m x 0.25mm x 1.0 um



Data File : J:\GC21\DATA\070620F\0706F169.D

Acq On : 07 Jul 2020 8:26 am

Sample : IB

Misc :

IntFile : rteint.p

Quant Time: Jul 7 9:15 2020 Quant Results File: 070620F.RES

Vial: 86

Operator: TAP

Inst : GC21

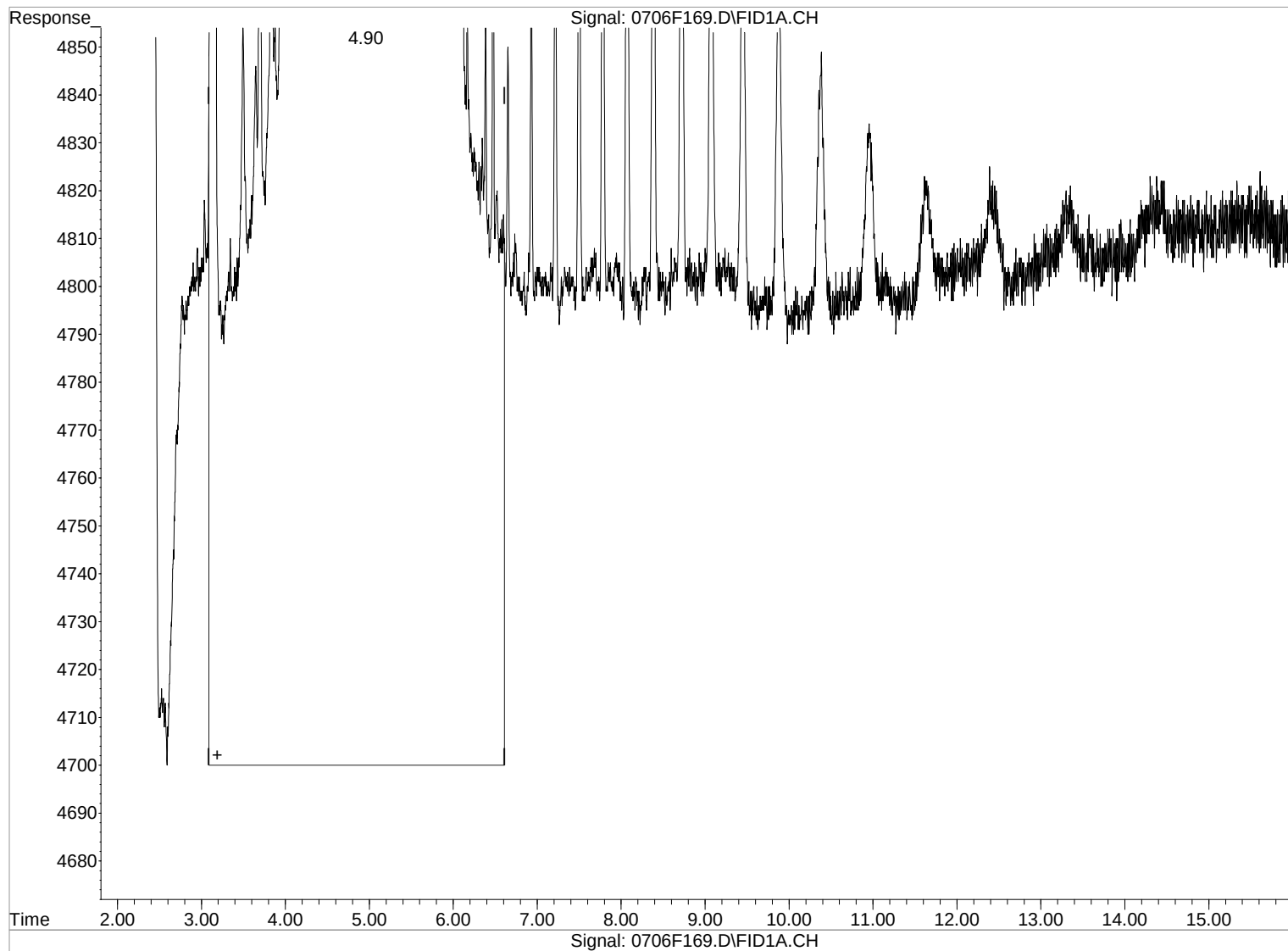
Multiplr: 1.00

Method : J:\GC21\METHODS\070620F.M (RTE Integrator)

Title : 8015/NWTPH/AK SVF MJ257 CAL16158

Last Update : Tue Jul 07 08:30:44 2020

Response via : Multiple Level Calibration



(6) C10-C25ex DRO [AK102] (H)

Manual Integration:

3.19min 30.548ppm

Before

response 48884

07/07/20

(+) = Expected Retention Time

Data File : J:\GC21\DATA\070620F\0706F169.D

Acq On : 07 Jul 2020 8:26 am

Sample : IB

Misc :

IntFile : rteint.p

Quant Time: Jul 7 9:15 2020 Quant Results File: 070620F.RES

Vial: 86

Operator: TAP

Inst : GC21

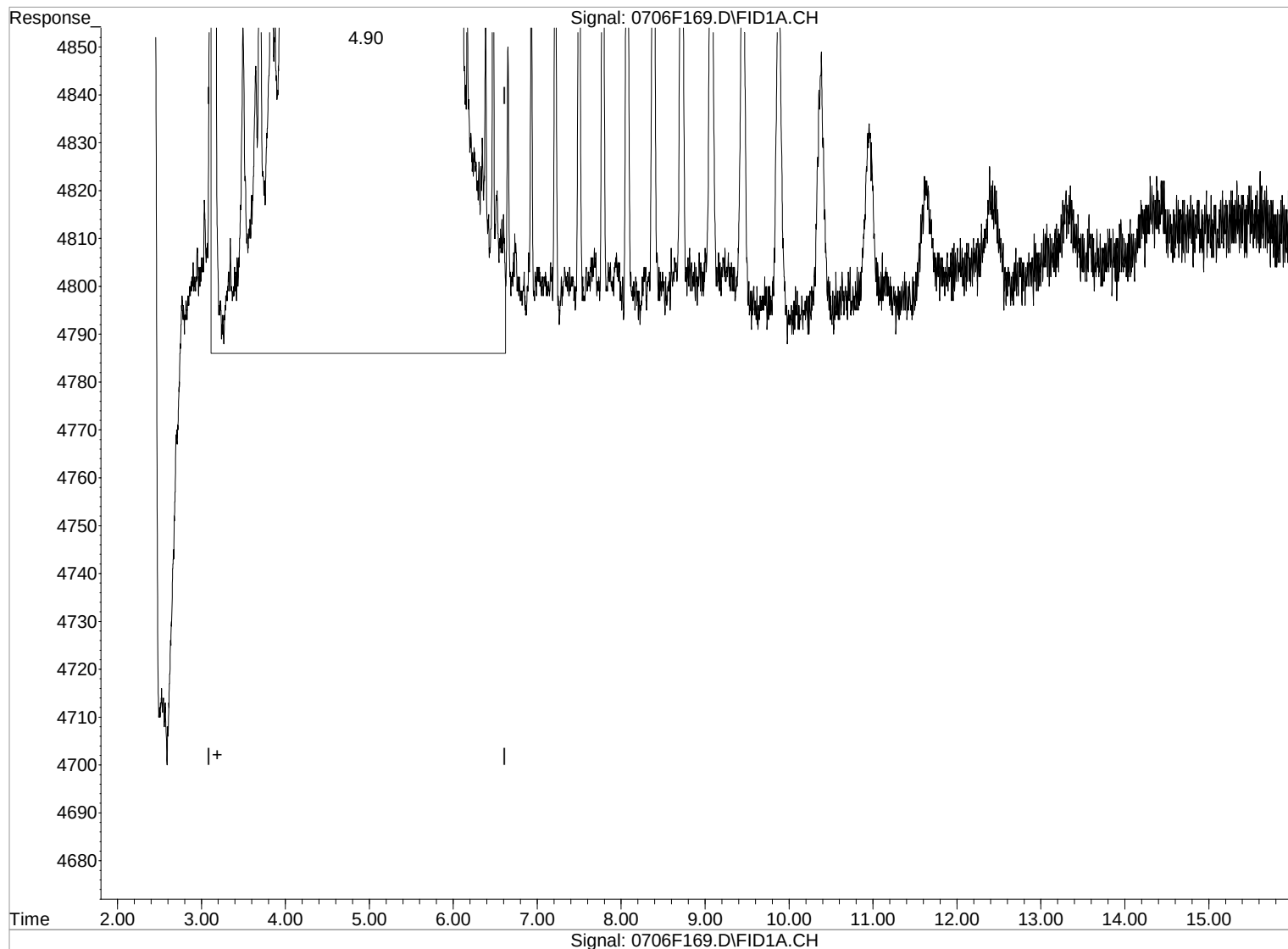
Multiplr: 1.00

Method : J:\GC21\METHODS\070620F.M (RTE Integrator)

Title : 8015/NWTPH/AK SVF MJ257 CAL16158

Last Update : Tue Jul 07 08:30:44 2020

Response via : Multiple Level Calibration



(6) C10-C25ex DRO [AK102] (H)

3.19min 19.112ppm

response 30584

Manual Integration:

After

Baseline/Shoulder

07/07/20

(+) = Expected Retention Time

0706F169.D 070620F.M Tue Jul 07 09:16:05 2020

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Data File : J:\GC21\DATA\070620F\0706F169.D

Acq On : 07 Jul 2020 8:26 am

Sample : IB

Misc :

IntFile : rteint.p

Quant Time: Jul 7 9:15 2020 Quant Results File: 070620F.RES

Vial: 86

Operator: TAP

Inst : GC21

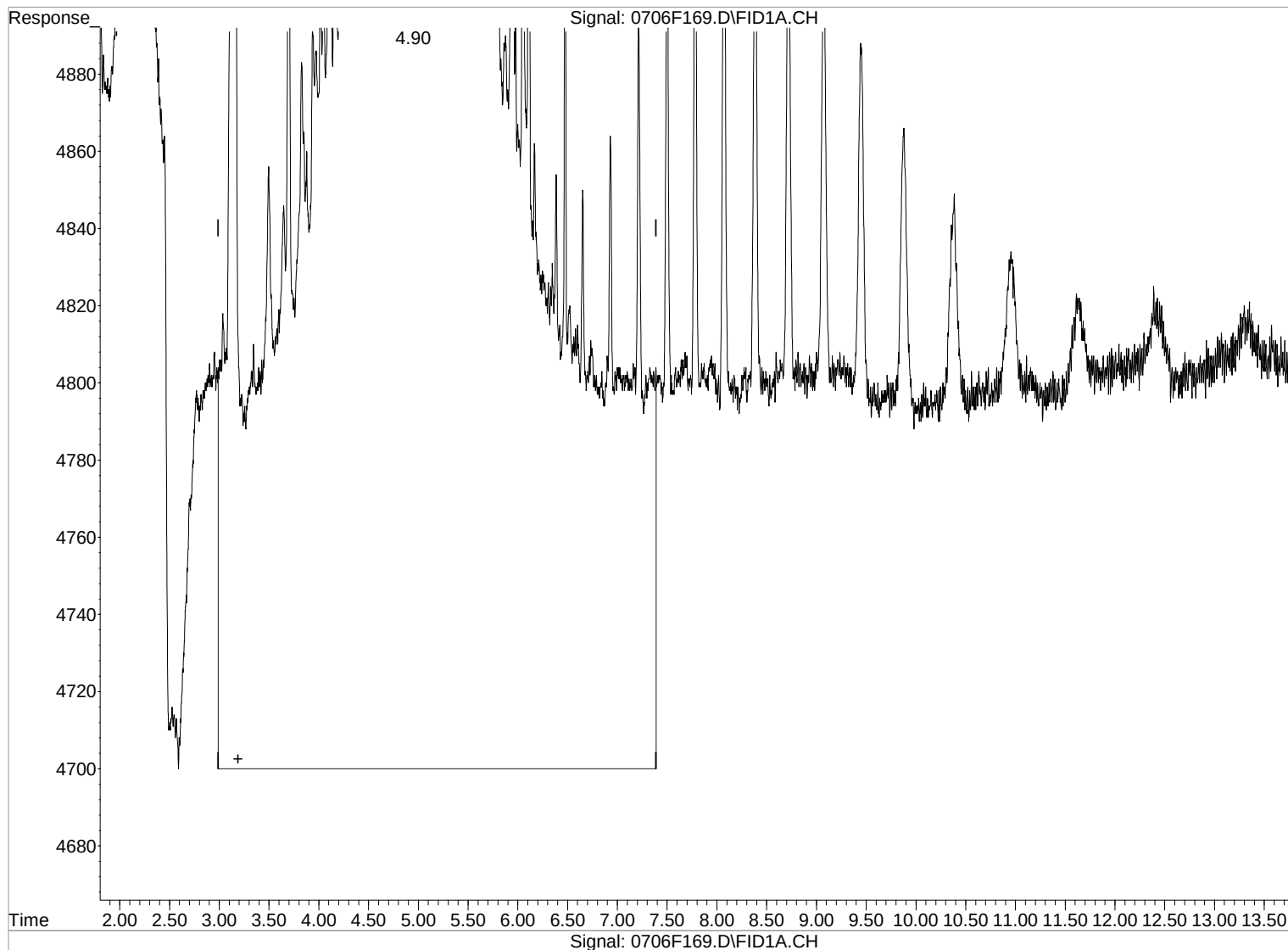
Multiplr: 1.00

Method : J:\GC21\METHODS\070620F.M (RTE Integrator)

Title : 8015/NWTPH/AK SVF MJ257 CAL16158

Last Update : Tue Jul 07 08:30:44 2020

Response via : Multiple Level Calibration



(7) C10-C28in DRO [8015] (H)

3.19min 32.620ppm

response 54536

Manual Integration:

Before

07/07/20

(+) = Expected Retention Time

Data File : J:\GC21\DATA\070620F\0706F169.D

Acq On : 07 Jul 2020 8:26 am

Sample : IB

Misc :

IntFile : rteint.p

Quant Time: Jul 7 9:15 2020 Quant Results File: 070620F.RES

Vial: 86

Operator: TAP

Inst : GC21

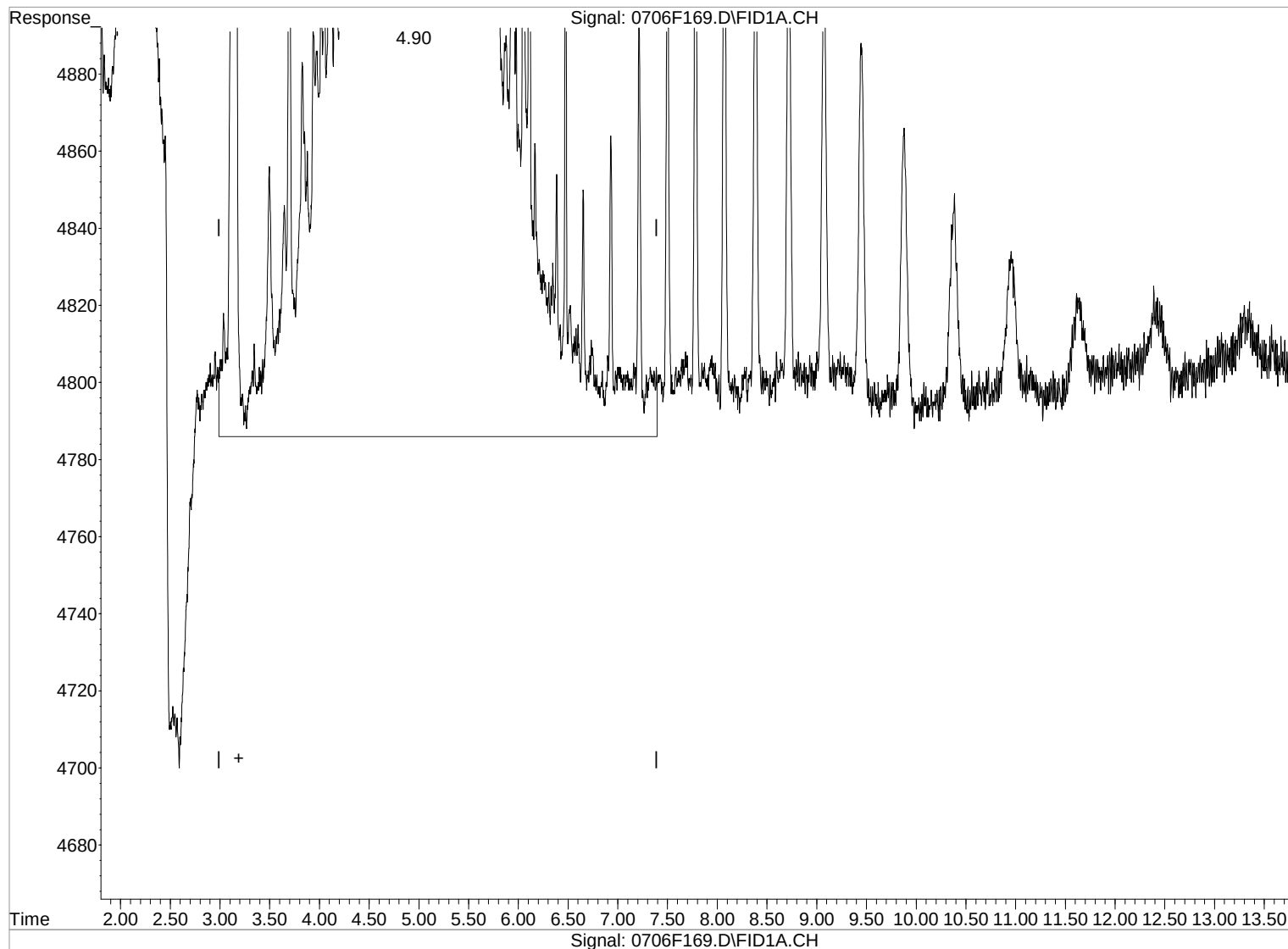
Multiplr: 1.00

Method : J:\GC21\METHODS\070620F.M (RTE Integrator)

Title : 8015/NWTPH/AK SVF MJ257 CAL16158

Last Update : Tue Jul 07 08:30:44 2020

Response via : Multiple Level Calibration



(7) C10-C28in DRO [8015] (H)

3.19min 19.043ppm

response 31838

Manual Integration:

After

Baseline/Shoulder

07/07/20

(+) = Expected Retention Time

0706F169.D 070620F.M Tue Jul 07 09:16 28 2020

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Data File : J:\GC21\DATA\070620F\0706F169.D

Acq On : 07 Jul 2020 8:26 am

Sample : IB

Misc :

IntFile : rteint.p

Quant Time: Jul 7 9:15 2020 Quant Results File: 070620F.RES

Vial: 86

Operator: TAP

Inst : GC21

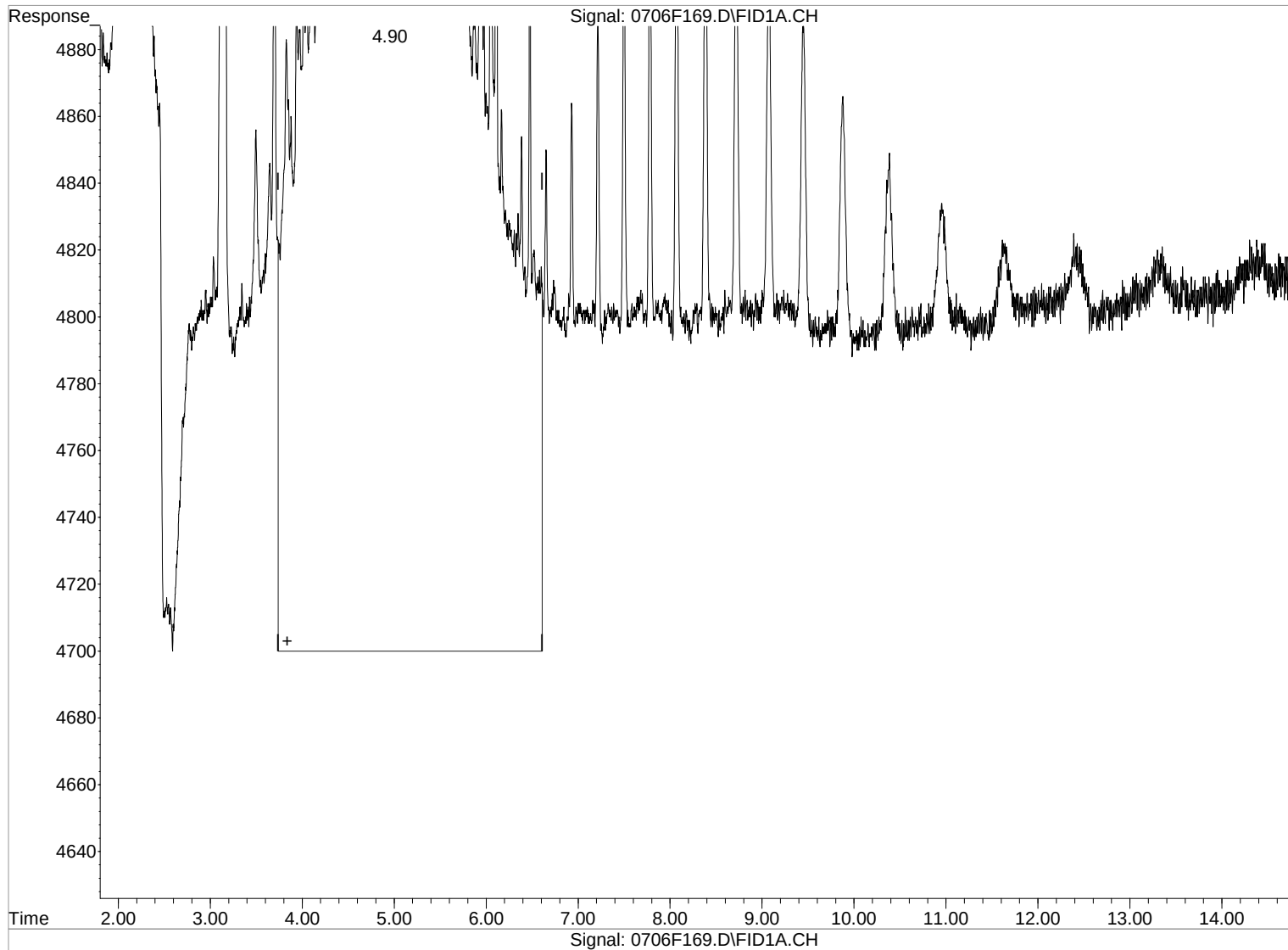
Multiplr: 1.00

Method : J:\GC21\METHODS\070620F.M (RTE Integrator)

Title : 8015/NWTPH/AK SVF MJ257 CAL16158

Last Update : Tue Jul 07 08:30:44 2020

Response via : Multiple Level Calibration



(8) C12-C25ex DRO [NWTPH] (H)

Manual Integration:

3.84min 32.541ppm

Before

response 43803

07/07/20

(+) = Expected Retention Time

Data File : J:\GC21\DATA\070620F\0706F169.D

Acq On : 07 Jul 2020 8:26 am

Sample : IB

Misc :

IntFile : rteint.p

Quant Time: Jul 7 9:15 2020 Quant Results File: 070620F.RES

Vial: 86

Operator: TAP

Inst : GC21

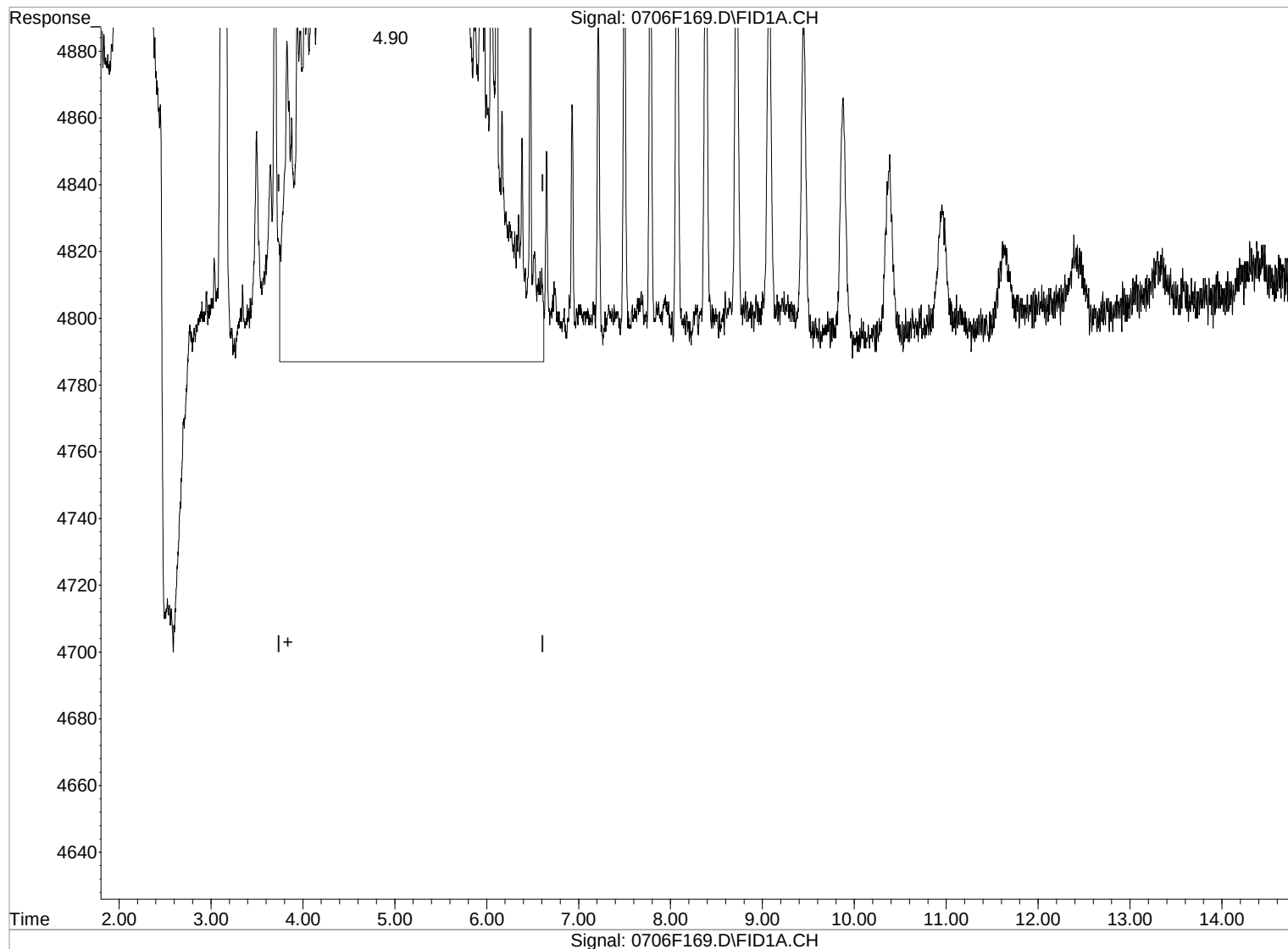
Multiplr: 1.00

Method : J:\GC21\METHODS\070620F.M (RTE Integrator)

Title : 8015/NWTPH/AK SVF MJ257 CAL16158

Last Update : Tue Jul 07 08:30:44 2020

Response via : Multiple Level Calibration



(8) C12-C25ex DRO [NWTPH] (H)

3.84min 21.409ppm

response 28819

Manual Integration:

After

Baseline/Shoulder

07/07/20

(+) = Expected Retention Time

0706F169.D 070620F.M Tue Jul 07 09:16 2020 Page 264 of 438

Data File : J:\GC21\DATA\070620F\0706F170.D Vial: 18
Acq On : 07 Jul 2020 8:48 am Operator: TAP
Sample : DRO SVF02-93D ICV@1000 Inst : GC21
Misc : Multiplr: 1.00
IntFile : rteint.p
Quant Time: Jul 07 09:05:42 2020 Quant Results File: 070620F.RES

Quant Method : J:\GC21\METHODS\070620F.M (RTE Integrator)
Title : 8015/NWTPH/AK SVF MJ257 CAL16158
Last Update : Tue Jul 07 08:30:44 2020
Response via : Initial Calibration
DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
Signal Phase : ZB-1
Signal Info : 15m x 0.25mm x 1.0 um

Compound	R.T.	Response	Conc Units
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System Monitoring Compounds

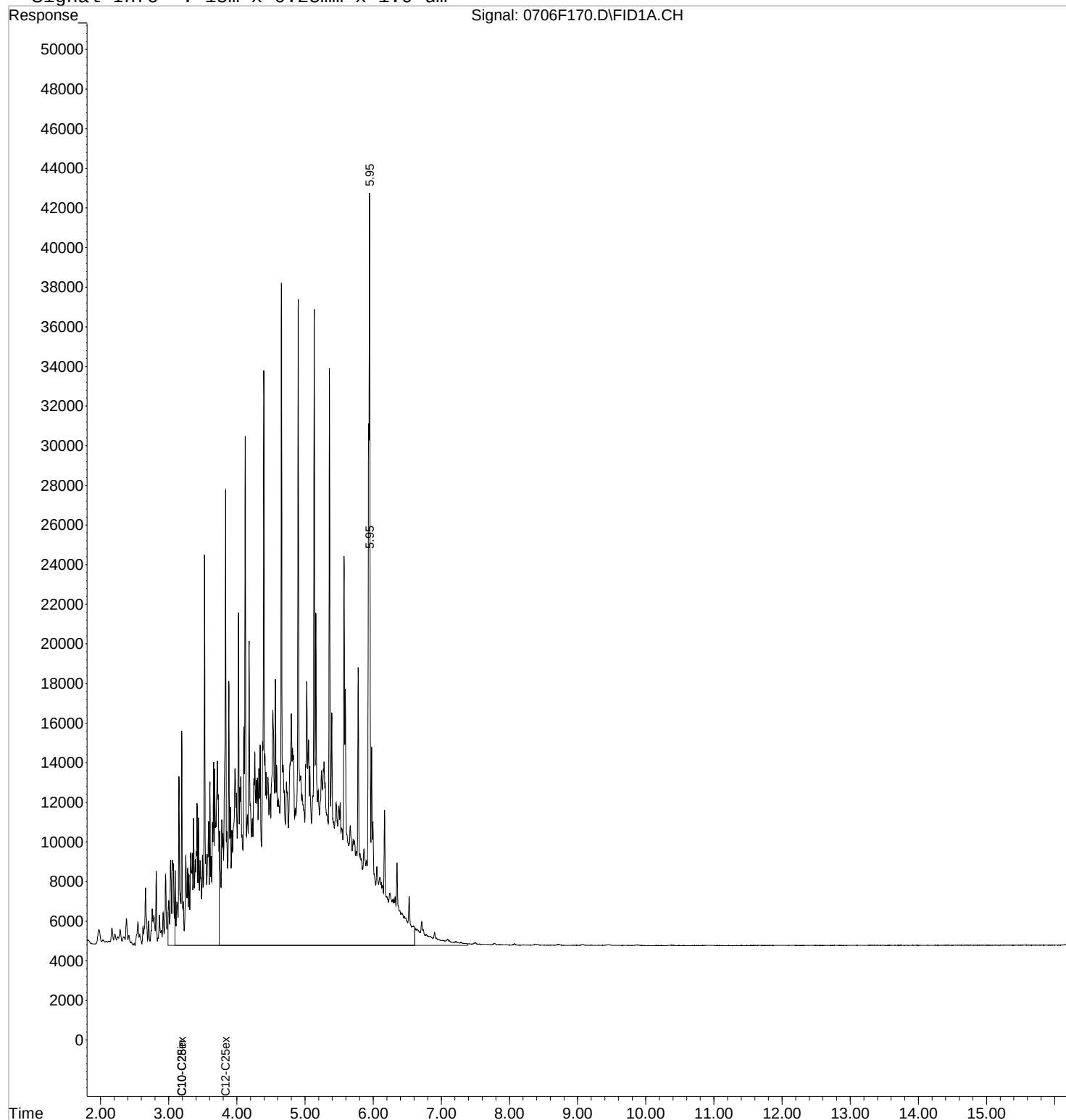
Target Compounds

6) H	C10-C25ex DRO [AK102]	3.19	1387800	867.235 ppm
7) H	C10-C28in DRO [8015]	3.19	1419867	849.268 ppm
8) H	C12-C25ex DRO [NWTPH]	3.84	1214608	902.321 ppm

Data File : J:\GC21\DATA\070620F\0706F170.D Vial: 18
Acq On : 07 Jul 2020 8:48 am Operator: TAP
Sample : DR0 SVF02-93D ICV@1000 Inst : GC21
Misc : Multiplr: 1.00
IntFile : rteint.p
Quant Time: Jul 7 9:06 2020 Quant Results File: 070620F.RES

Quant Method : J:\GC21\METHODS\070620F.M (RTE Integrator)
Title : 8015/NWTPH/AK SVF MJ257 CAL16158
Last Update : Tue Jul 07 08:30:44 2020
Response via : Single Level Calibration
DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
Signal Phase : ZB-1
Signal Info : 15m x 0.25mm x 1.0 um



Preparation Information

Group ID:	KWG2001876	Prep Method:	EPA 3510C	Prep Date:	07/01/20 09:28
Department:	Semivola GC				

Lab Code	Client ID	Product	Matrix	Amt. Ext.	Final Vol.	Solids
K2005423-001	20-06927(360-001)	8015C DRO	WATER	485mL	1ml	
K2005426-001	20-06926(360-011)	8015C DRO	WATER	480mL	1ml	
KWG2001876-1	Matrix Spike	8015C DRO	WATER	480mL	1ml	
KWG2001876-2	Lab Control Sample	8015C DRO	WATER	500mL	1ml	
KWG2001876-3	Duplicate Lab Control Sample	8015C DRO	WATER	500mL	1ml	
KWG2001876-4	Method Blank	8015C DRO	WATER	500mL	1ml	

Lab Code	Parent Lab Code	Comments
KWG2001876-1	K2005423-001	KQ2008829-01
KWG2001876-2		KQ2008829-02
KWG2001876-3		KQ2008829-03
KWG2001876-4		KQ2008829-04

Lab Code	Prep Event ID	Surrogate Solution ID	Amount Added	Spike Solution ID	Amount Added	Witness
K2005423-001	1752227					
K2005426-001	1752228					
KWG2001876-1	1752229					
KWG2001876-2	1752230					
KWG2001876-3	1752231					
KWG2001876-4	1752232					

Comments: _____

Started By: CWilliam Assisted By: _____ Training: Yes ☐ No ☒

Completed By: WV Assisted By: _____ Yes ☐ No ☒

Reviewed By: BCGreer Date: 7/2/20 Storage: _____

Chain of Custody

Relinquished By: <u>[Signature]</u>	Date: <u>7-1-20</u>	<u>Extracts Examined</u> Yes ☒ No ☐
Received By: <u>[Signature]</u>	Date: <u>7-10-20</u>	

Preparation Information

Group ID:	KWG2001876	Prep Method:	EPA 3510C Hld 7-6	Prep Date:	07/01/20 00:00
Department:	Semivoa GC		Due 7-2		RUSH

#	Lab Code	Client ID	B#	✓	Product	Matrix	Amt. Ext. mL	pH	Int. Vol.	Final Vol. mL	Surr. Added	Spike Added
1	K2005423-001	20-06927(360-001)	.02	✓	8015C DRO	WATER	485	<2	NA	1	100	—
2	K2005426-001	20-06926(360-011)	.02	✓	8015C DRO	WATER	480	<2		1		—
3	KWG2001876-1	Matrix Spike K2005423-001	.01	✓	8015C DRO	WATER	480	<2		1		100
4	KWG2001876-2	Lab Control Sample	—		8015C DRO	WATER	500	<2		1		
5	KWG2001876-3	Duplicate Lab Control Sample	—		8015C DRO	WATER	500	<2		1		
6	KWG2001876-4	Method Blank	—		8015C DRO	WATER	500	<2		1		—

Comments:

Prep Run # 360991

Surrogate ID: SU F02-875 Exp 11-11-20 500 ppm 100 µL (Syr)

Spike ID: SU F02-906 Exp 12-25-20 16000 ppm 100 µL (Syr)

Witness: Daniel

Started By: CWilliam Assisted By: _____

Completed By: WV Assisted By: _____

ALS Environmental
Extraction Analyst Notes

Service Request: K2005423, K2005426 Prep Group: KWG 2001876

Topic	Notes	Initials/Date
No Anomalies: ☐		
Sample Anomalies: ☐		
Organics Present (sticks, leafs, bugs): ☐		
Fuel Odors: ☐		
Sulfur Odors, Precipitate: ☐		
General Notes:		

ALS Environmental
Appendix from EXT-3510
Extracting Fuel Hydrocarbons in Water

Service Request # K2005423, K2005426 Work Group # KW 2001876

DCM Lot # DY506 HCl Lot # 58242

Extraction Start (time/date/initial): 09:28 7-1-20 CW

Extraction Stop (time/date/initial): 10:20 7-1-20 CW

Sulfate Lot # 201941895 Glass Wool Lot # DY506

S-Evap (time/date/initial): 11:43 7-1-20 W5 S-Evap Thermometer ID: EXT-001

N-Evap (time/date/initial): 13:39 7-1-20 W5 N-Evap Thermometer ID: DWB-012

Sulfuric Acid Clean-up (3665) (time/date/initial): _____ Acid Lot #: _____

Silica Gel Clean-up (3630) (time/date/initial): _____ Silica Gel Lot #: _____

Pipette (5 mL) Lot # 31619647 Pipette (2 mL) Lot # 21119646 Pipette (1 mL) Lot # 11619645

Vial: clear w/ fuel cap Vial Storage: Harry C 1-6

Archived Extract Storage: _____

Bench Sheet Review Check List	
☒	Hold times met; if no, reason: _____
☒	Prep date, time, method, department, product code correct
☒	Spike information and Q.C. correct (insufficient volume or mass recorded if no Q.C.)
☒	Weights/Volumes and units correct on raw and final bench sheets
☒	Sample IDs have been checked - bottle numbers appended if required
☒	Names present for: started by, completed by, relinquished by, and witnessed by
☒	Extract storage recorded
☒	Additional prep sheet completely filled out (NA or line out blanks)
☒	All clean-ups have been noted on additional prep sheet

Injection Log

Directory: J:\GC21\DATA\070620F

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	90	0706F101.D	1.	DCM		07/06/2020 6:57:4
2	90	0706F102.D	1.	DCM		07/06/2020 7:19:5
3	90	0706F103.D	1.	DCM		07/06/2020 7:42:2
4	90	0706F104.D	1.	DCM		07/06/2020 8:04:5
5	90	0706F105.D	1.	DCM		07/06/2020 8:27:2
6	90	0706F106.D	1.	DCM		07/06/2020 8:49:5
7	90	0706F107.D	1.	DCM		07/06/2020 9:12:3
8	90	0706F108.D	1.	IB		07/06/2020 9:35:0
9	90	0706F109.D	1.	IB		07/06/2020 9:57:4
10	90	0706F110.D	1.	IB		07/06/2020 10:20:2
11	90	0706F111.D	1.	IB		07/06/2020 10:42:5
12	99	0706F112.D	1.	MC252		07/06/2020 11:48:2
13	91	0706F113.D	1.	ALIPHATICS		07/06/2020 12:10:5
14	86	0706F114.D	1.	ICAL BLANK		07/06/2020 12:33:2
15	1	0706F115.D	1.	JP8 SVF02-92E 20/1.0		07/06/2020 12:56:0
16	2	0706F116.D	1.	JP8 SVF02-92D 50/2.5		07/06/2020 1:18:3
17	3	0706F117.D	1.	JP8 SVF02-92C 200/10		07/06/2020 1:41:0
18	4	0706F118.D	1.	JP8 SVF02-92B 500/25		07/06/2020 2:03:4
19	5	0706F119.D	1.	JP8 SVF02-92A 2000/100		07/06/2020 2:26:1
20	6	0706F120.D	1.	JP8 SVF02-91K 5000/250		07/06/2020 2:48:4
21	7	0706F121.D	1.	JP8 SVF02-91J 20,000		07/06/2020 3:11:2
22	8	0706F122.D	1.	JP8 SVF02-91I 50,000		07/06/2020 3:34:0
23	90	0706F123.D	1.	IB		07/06/2020 3:56:3
24	86	0706F124.D	1.	IB		07/06/2020 4:19:1
25	9	0706F125.D	1.	JP8 SVF02-92F ICV @1000		07/06/2020 4:41:4
26	90	0706F126.D	1.	IB		07/06/2020 5:04:1
27	90	0706F127.D	1.	IB		07/06/2020 5:26:4
28	86	0706F128.D	1.	ICAL BLANK		07/06/2020 5:49:1
29	10	0706F129.D	1.	DRO SVF02-93C 20/1.0		07/06/2020 6:11:4
30	11	0706F130.D	1.	DRO SVF02-93B 50/2.5		07/06/2020 6:34:2
31	12	0706F131.D	1.	DRO SVF02-93A 200/10		07/06/2020 6:56:5
32	13	0706F132.D	1.	DRO SVF02-92K 500/25		07/06/2020 7:19:1
33	14	0706F133.D	1.	DRO SVF02-92J 2000/100		07/06/2020 7:41:5
34	15	0706F134.D	1.	DRO SVF02-92I 5000/250		07/06/2020 8:04:1
35	16	0706F135.D	1.	DRO SVF02-92H 20,000		07/06/2020 8:26:4
36	17	0706F136.D	1.	DRO SVF02-92G 50,000		07/06/2020 8:49:2
37	90	0706F137.D	1.	IB		07/06/2020 9:11:5
38	86	0706F138.D	1.	IB		07/06/2020 9:34:1
39	18	0706F139.D	1.	DRO SVF02-93D ICV@1000		07/06/2020 9:56:4
40	86	0706F140.D	1.	IB		07/06/2020 10:19:1
41	19	0706F141.D	1.	DRO SVF02-93E ICV CHECK@1000 AMP.		07/06/2020 10:41:4
42	90	0706F143.D	1.	IB		07/06/2020 11:04:1
43	90	0706F144.D	1.	IB		07/06/2020 11:26:3
44	86	0706F145.D	1.	ICAL BLANK		07/06/2020 11:49:0
45	20	0706F146.D	1.	RRO SVF02-93J 50		07/07/2020 12:11:3
46	21	0706F147.D	1.	RRO SVF02-93I 200		07/07/2020 12:33:5
47	22	0706F148.D	1.	RRO SVF02-93H 500		07/07/2020 12:56:2
48	23	0706F149.D	1.	RRO SVF02-93G 2000		07/07/2020 1:18:5
49	24	0706F150.D	1.	RRO SVF02-93F 5000		07/07/2020 1:41:2
50	86	0706F151.D	1.	IB		07/07/2020 2:03:5
51	25	0706F152.D	1.	RRO SVF02-93K ICV@1000		07/07/2020 2:26:2
52	90	0706F153.D	1.	IB		07/07/2020 2:48:4
53	90	0706F154.D	1.	IB		07/07/2020 3:11:1
54	86	0706F156.D	1.	ICAL BLANK		07/07/2020 3:33:4

AK 102 Run 686267

CAL 16326

KWG 2001921

MR
See next page

Injection Log

Directory: J:\GC21\DATA\070620F

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
55	26	0706F157.D	1.	AK103 SVF02-94B 50		07/07/22020 3:56:1
56	27	0706F158.D	1.	AK103 SVF02-94A 200		07/07/22020 4:18:3
57	28	0706F159.D	1.	AK103 SVF02-93N 500		07/07/22020 4:41:0
58	29	0706F160.D	1.	AK103 SVF02-93M 2000		07/07/22020 5:03:2
59	30	0706F161.D	1.	AK103 SVF02-93L 5000		07/07/22020 5:25:5
60	86	0706F162.D	1.	IB		07/07/22020 5:48:2
61	31	0706F163.D	1.	AK103 SVF02-94C ICV@1000		07/07/22020 6:10:5
62	90	0706F164.D	1.	IB		07/07/22020 6:33:2
63	90	0706F165.D	1.	IB		07/07/22020 6:56:0
64	90	0706F166.D	1.	IB		07/07/22020 7:18:3
65	17	0706F167.D	1.	DRO SVF02-92G 50,000		07/07/22020 7:41:0
66	16	0706F168.D	1.	DRO SVF02-92H 20,000		07/07/22020 8:03:4
67	86	0706F169.D	1.	IB		07/07/22020 8:26:1
68	18	0706F170.D	1.	DRO SVF02-93D ICV@1000		07/07/22020 8:48:4
69	90	0706F171.D	1.	IB		07/07/22020 9:11:2
70	95	0706F172.D	1.	JP8@1000/50 SVF02-88K		07/07/22020 9:33:3
71	96	0706F173.D	1.	DRO@1000/50 SVF02-91B		07/07/22020 9:56:0
72	86	0706F174.D	1.	IB		07/07/22020 10:18:5
73	32	0706F175.D	1.	KWG2001876-002 LCS NR		07/07/22020 10:41:1
74	33	0706F176.D	1.	KWG2001876-003 DLCS NR		07/07/22020 11:03:5
75	34	0706F177.D	1.	KWG2001876-004 MB		07/07/22020 11:26:3
76	35	0706F178.D	1.	K2005423-001		07/07/22020 11:49:0
77	36	0706F179.D	1.	K2005423-001 MSNR		07/07/22020 12:11:3
78	37	0706F180.D	1.	K2005426-001		07/07/22020 12:34:1
79	95	0706F181.D	1.	JP8@1000/50 SVF02-88K NR		07/07/22020 12:56:4
80	96	0706F182.D	1.	DRO@1000/50 SVF02-91B		07/07/22020 1:19:2
81	86	0706F183.D	1.	IB		07/07/22020 1:42:0

Injection Log

Directory: J:\GC21\DATA\070620F JP8

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	95	0706F172.D	1.	JP8@1000/50 SVF02-88K	JP8 RUN 686267	07/07/22020 9:33:3
2	86	0706F174.D	1.	IB		07/07/22020 10:18:5
3	32	0706F175.D	1.	KWG2001876-002 LCS	CAL16324	07/07/22020 10:41:1
4	33	0706F176.D	1.	KWG2001876-003 DLCS		07/07/22020 11:03:5
5	34	0706F177.D	1.	KWG2001876-004 MB	KWG2001922	07/07/22020 11:26:3
6	35	0706F178.D	1.	K2005423-001		07/07/22020 11:49:0
7	36	0706F179.D	1.	K2005423-001 MS		07/07/22020 12:11:3
8	37	0706F180.D	1.	K2005426-001		07/07/22020 12:34:1
9	95	0706F181.D	1.	JP8@1000/50 SVF02-88K		07/07/22020 12:56:4
10	86	0706F183.D	1.	IB		07/07/22020 1:42:0

Injection Log

Directory: J:\GC21\DATA\070620F

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	90	0706F101.D	1.	DCM		07/06/2020 6:57:4
2	90	0706F102.D	1.	DCM		07/06/2020 7:19:5
3	90	0706F103.D	1.	DCM		07/06/2020 7:42:2
4	90	0706F104.D	1.	DCM		07/06/2020 8:04:5
5	90	0706F105.D	1.	DCM		07/06/2020 8:27:2
6	90	0706F106.D	1.	DCM		07/06/2020 8:49:5
7	90	0706F107.D	1.	DCM		07/06/2020 9:12:3
8	90	0706F108.D	1.	IB		07/06/2020 9:35:0
9	90	0706F109.D	1.	IB		07/06/2020 9:57:4
10	90	0706F110.D	1.	IB		07/06/2020 10:20:2
11	90	0706F111.D	1.	IB		07/06/2020 10:42:5
12	99	0706F112.D	1.	MC252		07/06/2020 11:48:2
13	91	0706F113.D	1.	ALIPHATICS		07/06/2020 12:10:5
14	86	0706F114.D	1.	ICAL BLANK		07/06/2020 12:33:2
15	1	0706F115.D	1.	JP8 SVF02-92E 20/1.0	stopok	07/06/2020 12:56:0
16	2	0706F116.D	1.	JP8 SVF02-92D 50/2.5		07/06/2020 1:18:3
17	3	0706F117.D	1.	JP8 SVF02-92C 200/10		07/06/2020 1:41:0
18	4	0706F118.D	1.	JP8 SVF02-92B 500/25		07/06/2020 2:03:4
19	5	0706F119.D	1.	JP8 SVF02-92A 2000/100		07/06/2020 2:26:1
20	6	0706F120.D	1.	JP8 SVF02-91K 5000/250		07/06/2020 2:48:4
21	7	0706F121.D	1.	JP8 SVF02-91J 20,000		07/06/2020 3:11:2
22	8	0706F122.D	1.	JP8 SVF02-91I 50,000		07/06/2020 3:34:0
23	90	0706F123.D	1.	IB		07/06/2020 3:56:3
24	86	0706F124.D	1.	IB		07/06/2020 4:19:1
25	9	0706F125.D	1.	JP8 SVF02-92F ICV @1000		07/06/2020 4:41:4
26	90	0706F126.D	1.	IB		07/06/2020 5:04:1
27	90	0706F127.D	1.	IB		07/06/2020 5:26:4
28	86	0706F128.D	1.	ICAL BLANK		07/06/2020 5:49:1
29	10	0706F129.D	1.	DRO SVF02-93C 20/1.0		07/06/2020 6:11:4
30	11	0706F130.D	1.	DRO SVF02-93B 50/2.5		07/06/2020 6:34:2
31	12	0706F131.D	1.	DRO SVF02-93A 200/10		07/06/2020 6:56:5
32	13	0706F132.D	1.	DRO SVF02-92K 500/25		07/06/2020 7:19:1
33	14	0706F133.D	1.	DRO SVF02-92J 2000/100		07/06/2020 7:41:5
34	15	0706F134.D	1.	DRO SVF02-92I 5000/250		07/06/2020 8:04:1
35	16	0706F135.D	1.	DRO SVF02-92H 20,000	42	07/06/2020 8:26:4
36	17	0706F136.D	1.	DRO SVF02-92G 50,000	42	07/06/2020 8:49:2
37	90	0706F137.D	1.	IB		07/06/2020 9:11:5
38	86	0706F138.D	1.	IB		07/06/2020 9:34:1
39	18	0706F139.D	1.	DRO SVF02-93D ICV@1000	42	07/06/2020 9:56:4
40	86	0706F140.D	1.	IB		07/06/2020 10:19:1
41	19	0706F141.D	1.	DRO SVF02-93E ICV CHECK@1000 AMP.		07/06/2020 10:41:4
42	90	0706F143.D	1.	IB		07/06/2020 11:04:1
43	90	0706F144.D	1.	IB		07/06/2020 11:26:3
44	86	0706F145.D	1.	ICAL BLANK		07/06/2020 11:49:0
45	20	0706F146.D	1.	RRO SVF02-93J 50		07/07/2020 12:11:3
46	21	0706F147.D	1.	RRO SVF02-93I 200		07/07/2020 12:33:5
47	22	0706F148.D	1.	RRO SVF02-93H 500		07/07/2020 12:56:2
48	23	0706F149.D	1.	RRO SVF02-93G 2000		07/07/2020 1:18:5
49	24	0706F150.D	1.	RRO SVF02-93F 5000		07/07/2020 1:41:2
50	86	0706F151.D	1.	IB		07/07/2020 2:03:5
51	25	0706F152.D	1.	RRO SVF02-93K ICV@1000		07/07/2020 2:26:2
52	90	0706F153.D	1.	IB		07/07/2020 2:48:4
53	90	0706F154.D	1.	IB		07/07/2020 3:11:1
54	86	0706F156.D	1.	ICAL BLANK		07/07/2020 3:33:4

ALS-Kelso
Initial Calibration Checklist GC

Method: MJ745 JP8
ICAL ID or Date: CAL16324
Instrument: GC-21

Primary Secondary

- | | | |
|-------------------------------------|-------------------------------------|---|
| ☒ | ☒ | The new ICAL is saved with a unique ID. |
| ☒ | ☒ | ICAL was performed continuously (i.e. not interrupted by maintenance event). |
| ☒ | ☒ | All analytes in blank are $< \frac{1}{2}$ MRL. |
| ☒ | ☒ | ICAL contains minimum number of concentrations. |
| ☒ | ☒ | No internal levels excluded for any analytes. |
| ☒ | ☒ | Retention times updated using a midpoint of the calibration. Secondary reviewer double check peak IDs. |
| ☒ | ☒ | Calibration files quantitated with new method. |
| ☒ | ☒ | Check integrations. Primary reviewer must check all integrations electronically. Secondary reviewer will check low point and high point electronically. |
| ☒ | ☒ | ICAL files added to calibration table. |
| ☒ | ☒ | The average RF or COD meets method criteria for all analytes. <i>- none stealth error</i> |
| ☒ | ☒ | ICV is quantitated against new ICAL. |
| ☒ | ☒ | ICV meets method criteria. |
| ☒ | ☒ | Linked in Stealth to an appropriate method. An appropriate method will be one that contains all analytes that were analyzed. |
| ☒ | ☒ | All calibration reports included: ICAL SUMMARY, ICAL DETAILED, ICV SUMMARY. |
| ☒ | ☒ | Enviroquant/Target responses match those in Stealth. |
| ☒ | ☒ | All quant reports and manual integrations initialed and dated. |

Data packet should be in the following order: Sequence log, Calibration Review, Stealth ICAL reports, and quant reports.

Primary: 

Date: 7-7-20

Secondary: 

Date: 7/7/20

Initial Calibration - Summary Report

Calibration ID: CAL16324
Method ID: MJ745

Instrument ID: GC21
Column Name: ZB-1

Parameter Name	Type	Curve Fit	Min RF	Mean RF	Max %RSD	%RSD	Min COD	COD	MRL Check	Conc ½ Low pt.
4-Bromofluorobenzene	SURR	AverageRF		1.2E+3	20	10.3			NA	
o-Terphenyl	SURR	AverageRF		2.5E+3	20	10.8			NA	
n-Triacontane	SURR	AverageRF		2.0E+3	20	10.2			NA	
JP-8 (C8 - C18)	MS	Linear		1.9E+3			0.99	0.9895*	OK	2.47

calc
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Initial Calibration - Detailed Report

Calibration ID: CAL16324
Method ID: MJ745

Instrument ID: GC21
Column Name: ZB-1
Calibration Fit: AverageRF

#	FileID	File Location	Acquisition Date	Quantitation Date	Last Updated
1	294005	J:\GC21\DATA\070620F\0706F115.D	07/06/2020 12:56	07/07/2020 10:48	07/07/2020 12:45
2	294006	J:\GC21\DATA\070620F\0706F116.D	07/06/2020 13:18	07/06/2020 15:39	07/07/2020 07:04
3	294007	J:\GC21\DATA\070620F\0706F117.D	07/06/2020 13:41	07/06/2020 14:11	07/07/2020 07:04
4	294008	J:\GC21\DATA\070620F\0706F118.D	07/06/2020 14:03	07/06/2020 14:21	07/07/2020 07:04
5	294009	J:\GC21\DATA\070620F\0706F119.D	07/06/2020 14:26	07/06/2020 14:44	07/07/2020 07:04
6	294010	J:\GC21\DATA\070620F\0706F120.D	07/06/2020 14:48	07/06/2020 15:08	07/07/2020 07:04
7	294011	J:\GC21\DATA\070620F\0706F121.D	07/06/2020 15:11	07/06/2020 15:31	07/07/2020 07:04
8	294012	J:\GC21\DATA\070620F\0706F122.D	07/06/2020 15:34	07/06/2020 15:59	07/07/2020 07:04

Parameter Name	#	RF	#	RF	#	RF	#	RF	#	RF	#	RF	Mean RF	%RSD
4-Bromofluorobenzene	1	1.3E+3	2	1.4E+3	3	1.3E+3	4	1.3E+3	5	1.1E+3	6	1.1E+3	1.2E+3	10.3
o-Terphenyl	1	2.7E+3	2	2.8E+3	3	2.5E+3	4	2.5E+3	5	2.2E+3	6	2.1E+3	2.5E+3	10.8
n-Triacontane	1	2.2E+3	2	2.3E+3	3	2.1E+3	4	2.1E+3	5	1.8E+3	6	1.8E+3	2.0E+3	10.2
JP-8 (C8 - C18)	1	2.7E+3	2	2.2E+3	3	2.0E+3	4	1.8E+3	5	1.7E+3	6	1.5E+3	1.9E+3	23.5#
	7	1.5E+3	8	1.4E+3										

RSD Not Applicable. Compound being quantitated from curve. Included in Average RF summary for Average %RSD calculation.

Initial Calibration - Detailed Report

Calibration ID: CAL16324
Method ID: MJ745

Instrument ID: GC21
Column Name: ZB-1
Calibration Fit: Linear

FileID	File Location	Acquisition Date	Quantitation Date	Last Updated
294005	J:\GC21\DATA\070620F\0706F115.D	07/06/2020 12:56	07/07/2020 10:48	07/07/2020 12:45
294006	J:\GC21\DATA\070620F\0706F116.D	07/06/2020 13:18	07/06/2020 15:39	07/07/2020 07:04
294007	J:\GC21\DATA\070620F\0706F117.D	07/06/2020 13:41	07/06/2020 14:11	07/07/2020 07:04
294008	J:\GC21\DATA\070620F\0706F118.D	07/06/2020 14:03	07/06/2020 14:21	07/07/2020 07:04
294009	J:\GC21\DATA\070620F\0706F119.D	07/06/2020 14:26	07/06/2020 14:44	07/07/2020 07:04
294010	J:\GC21\DATA\070620F\0706F120.D	07/06/2020 14:48	07/06/2020 15:08	07/07/2020 07:04
294011	J:\GC21\DATA\070620F\0706F121.D	07/06/2020 15:11	07/06/2020 15:31	07/07/2020 07:04
294012	J:\GC21\DATA\070620F\0706F122.D	07/06/2020 15:34	07/06/2020 15:59	07/07/2020 07:04

Parameter Name	CoefX2	CoefX	Y-intercept	COD	Mean RF
JP-8 (C8 - C18)		1.64E+3	2.32E+4	0.9895*	1.9E+3

Initial Calibration - Detailed Report

Calibration ID: CAL16324
Method ID: MJ745

Instrument ID: GC21
Column Name: ZB-1

#	FileID	File Location	Acquisition Date	Quantitation Date	Last Updated
1	294005	J:\GC21\DATA\070620F\0706F115.D	07/06/2020 12:56	07/07/2020 10:48	07/07/2020 12:45
2	294006	J:\GC21\DATA\070620F\0706F116.D	07/06/2020 13:18	07/06/2020 15:39	07/07/2020 07:04
3	294007	J:\GC21\DATA\070620F\0706F117.D	07/06/2020 13:41	07/06/2020 14:11	07/07/2020 07:04
4	294008	J:\GC21\DATA\070620F\0706F118.D	07/06/2020 14:03	07/06/2020 14:21	07/07/2020 07:04
5	294009	J:\GC21\DATA\070620F\0706F119.D	07/06/2020 14:26	07/06/2020 14:44	07/07/2020 07:04
6	294010	J:\GC21\DATA\070620F\0706F120.D	07/06/2020 14:48	07/06/2020 15:08	07/07/2020 07:04
7	294011	J:\GC21\DATA\070620F\0706F121.D	07/06/2020 15:11	07/06/2020 15:31	07/07/2020 07:04
8	294012	J:\GC21\DATA\070620F\0706F122.D	07/06/2020 15:34	07/06/2020 15:59	07/07/2020 07:04

Parameter Name	#	Cal Amt	Calc Conc	% D	#	Cal Amt	Calc Conc	% D	#	Cal Amt	Calc Conc	% D
4-Bromofluorobenzene	1	1	1.074	7.4	2	2.5	2.813	12.5	3	10	10.30	3.0
	4	25	25.41	1.6	5	100	89.65	-10.4	6	250	214.6	-14.2
o-Terphenyl	1	1	1.088	8.8	2	2.5	2.822	12.9	3	10	10.19	1.9
	4	25	25.51	2.0	5	100	88.42	-11.6	6	250	215.0	-14.0
n-Triacontane	1	1	1.086	8.6	2	2.5	2.801	12.0	3	10	10.12	1.2
	4	25	25.58	2.3	5	100	88.60	-11.4	6	250	218.1	-12.8
JP-8 (C8 - C18)	1	20	19.15	-4.2	2	50	53.03	6.1	3	200	230.5	15.2
	4	500	535.6	7.1	5	2000	2079	3.9	6	5000	4654	-6.9
	7	20000	18060	-9.7	8	50000	44240	-11.5				

Second Source Calibration Verification Summary

CalibrationID: CAL16324

Units: mg/L

Method ID: MJ745

Column: ZB-1

DataFile Location: J:\GC21\DATA\070620F\0706F125.D

Parameter Name	File ID	Curve Fit	Method Criteria	AveRF	SSV RF	% Diff	True Value	Sol'n Conc	% Drift
JP-8 (C8 - C18)	294013	Linear	20				1000.00	859.1	-14.1

Data File : J:\GC21\DATA\070620F\0706F114.D Vial: 86
Acq On : 06 Jul 2020 12:33 pm Operator: TAP
Sample : ICAL BLANK Inst : GC21
Misc : Multiplr: 1.00
IntFile : rteint.p
Quant Time: Jul 07 07:12:05 2020 Quant Results File: 070620FJP8.RES

Quant Method : J:\GC21\METHODS\070620FJP8.M (RTE Integrator)
Title : JP-8 by GC/FID CAL16321
Last Update : Tue Jul 07 07:03:12 2020
Response via : Initial Calibration
DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
Signal Phase : ZB-1
Signal Info : 15m x 0.25mm x 1.0 um

Compound	R.T.	Response	Conc Units
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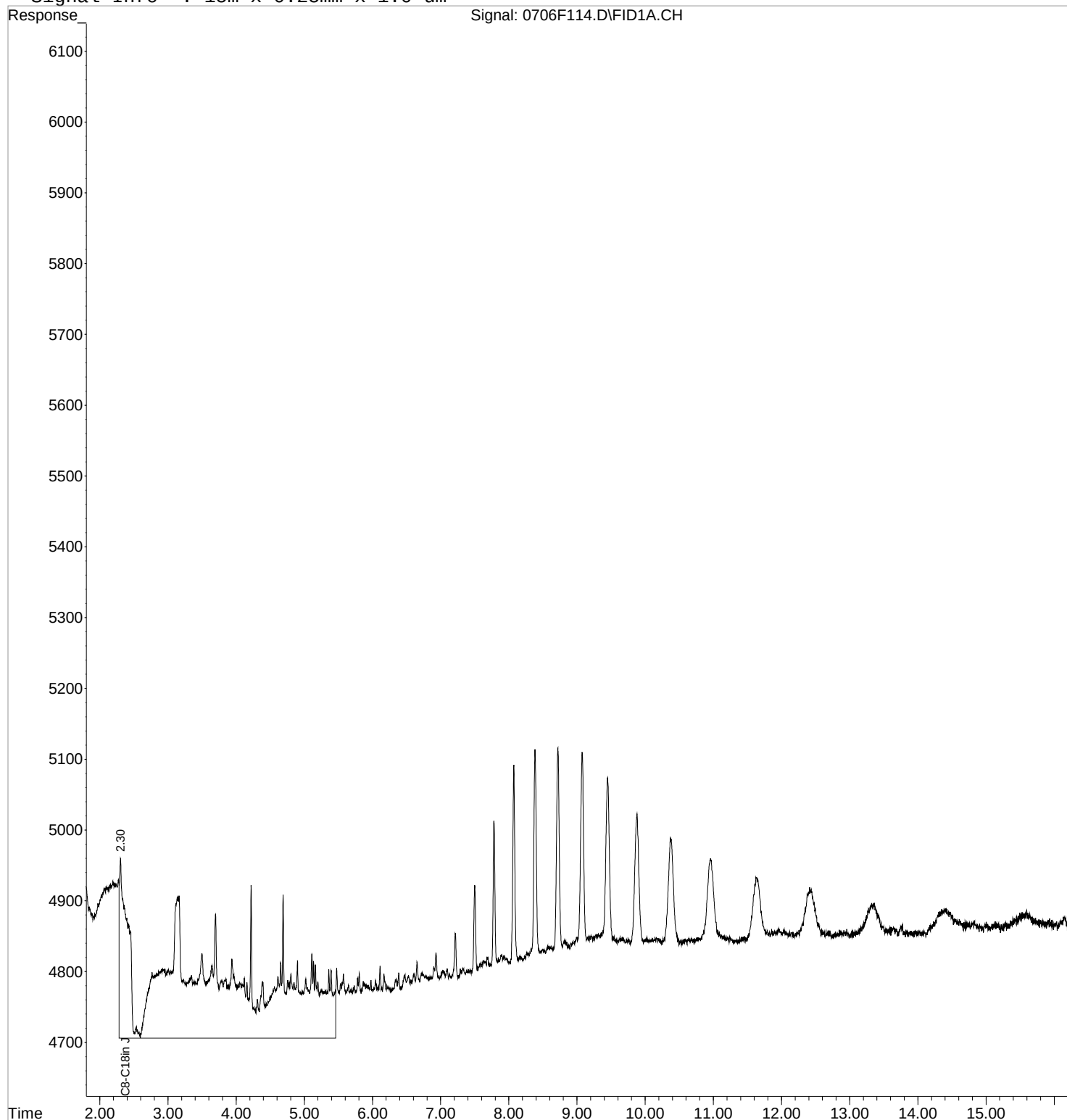
System Monitoring Compounds

Target Compounds			
4) H C8-C18in JP-8	2.38	15802	9.095 ppm

Data File : J:\GC21\DATA\070620F\0706F114.D Vial: 86
Acq On : 06 Jul 2020 12:33 pm Operator: TAP
Sample : ICAL BLANK Inst : GC21
Misc : Multiplr: 1.00
IntFile : rteint.p
Quant Time: Jul 7 7:12 2020 Quant Results File: 070620FJP8.RES

Quant Method : J:\GC21\METHODS\070620FJP8.M (RTE Integrator)
Title : JP-8 by GC/FID CAL16321
Last Update : Tue Jul 07 07:03:12 2020
Response via : Single Level Calibration
DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
Signal Phase : ZB-1
Signal Info : 15m x 0.25mm x 1.0 um



Data File : J:\GC21\DATA\070620F\0706F115.D Vial: 1
Acq On : 06 Jul 2020 12:56 pm Operator: TAP
Sample : JP8 SVF02-92E 20/1.0 Inst : GC21
Misc : Multiplr: 1.00
IntFile : rteint.p
Quant Time: Jul 07 10:47:58 2020 Quant Results File: 070620FJP8.RES

Quant Method : J:\GC21\METHODS\070620FJP8.M (RTE Integrator)
Title : JP-8 by GC/FID CAL16321
Last Update : Tue Jul 07 09:57:25 2020
Response via : Initial Calibration
DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
Signal Phase : ZB-1
Signal Info : 15m x 0.25mm x 1.0 um

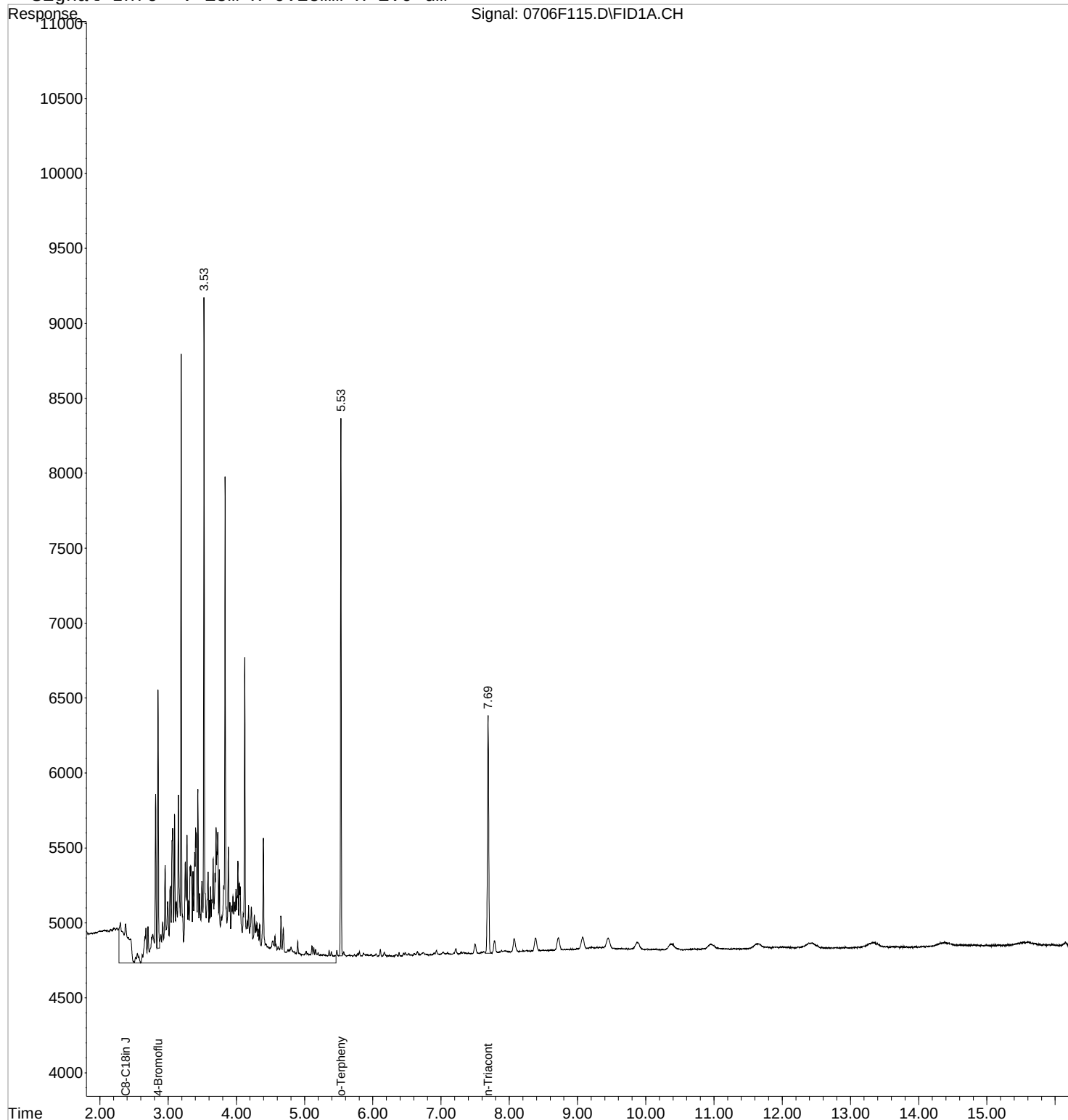
Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S 4-Bromofluorobenzene	2.85	1333	1.074 ppm
Spiked Amount 50.000	Recovery	=	2.15%
2) S o-Terphenyl	5.53	2670	1.088 ppm
Spiked Amount 50.000	Recovery	=	2.18%
3) S n-Triacontane	7.69	2221	1.086 ppm
Spiked Amount 50.000	Recovery	=	2.17%
Target Compounds			
4) H C8-C18in JP-8	2.38	54562	29.639 ppm

Data File : J:\GC21\DATA\070620F\0706F115.D Vial: 1
Acq On : 06 Jul 2020 12:56 pm Operator: TAP
Sample : JP8 SVF02-92E 20/1.0 Inst : GC21
Misc : Multiplr: 1.00
IntFile : rteint.p
Quant Time: Jul 7 10:48 2020 Quant Results File: 070620FJP8.RES

Quant Method : J:\GC21\METHODS\070620FJP8.M (RTE Integrator)
Title : JP-8 by GC/FID CAL16321
Last Update : Tue Jul 07 09:57:25 2020
Response via : Single Level Calibration
DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
Signal Phase : ZB-1
Signal Info : 15m x 0.25mm x 1.0 um



Data File : J:\GC21\DATA\070620F\0706F116.D Vial: 2
 Acq On : 06 Jul 2020 1:18 pm Operator: TAP
 Sample : JP8 SVF02-92D 50/2.5 Inst : GC21
 Misc : Multiplr: 1.00
 IntFile : rteint.p
 Quant Time: Jul 06 15:35:06 2020 Quant Results File: 070620FJP8.RES

Quant Method : J:\GC21\METHODS\070620FJP8.M (RTE Integrator)
 Title : JP-8 by GC/FID CAL16321
 Last Update : Mon Jul 06 15:31:18 2020
 Response via : Initial Calibration
 DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
 Signal Phase : ZB-1
 Signal Info : 15m x 0.25mm x 1.0 um

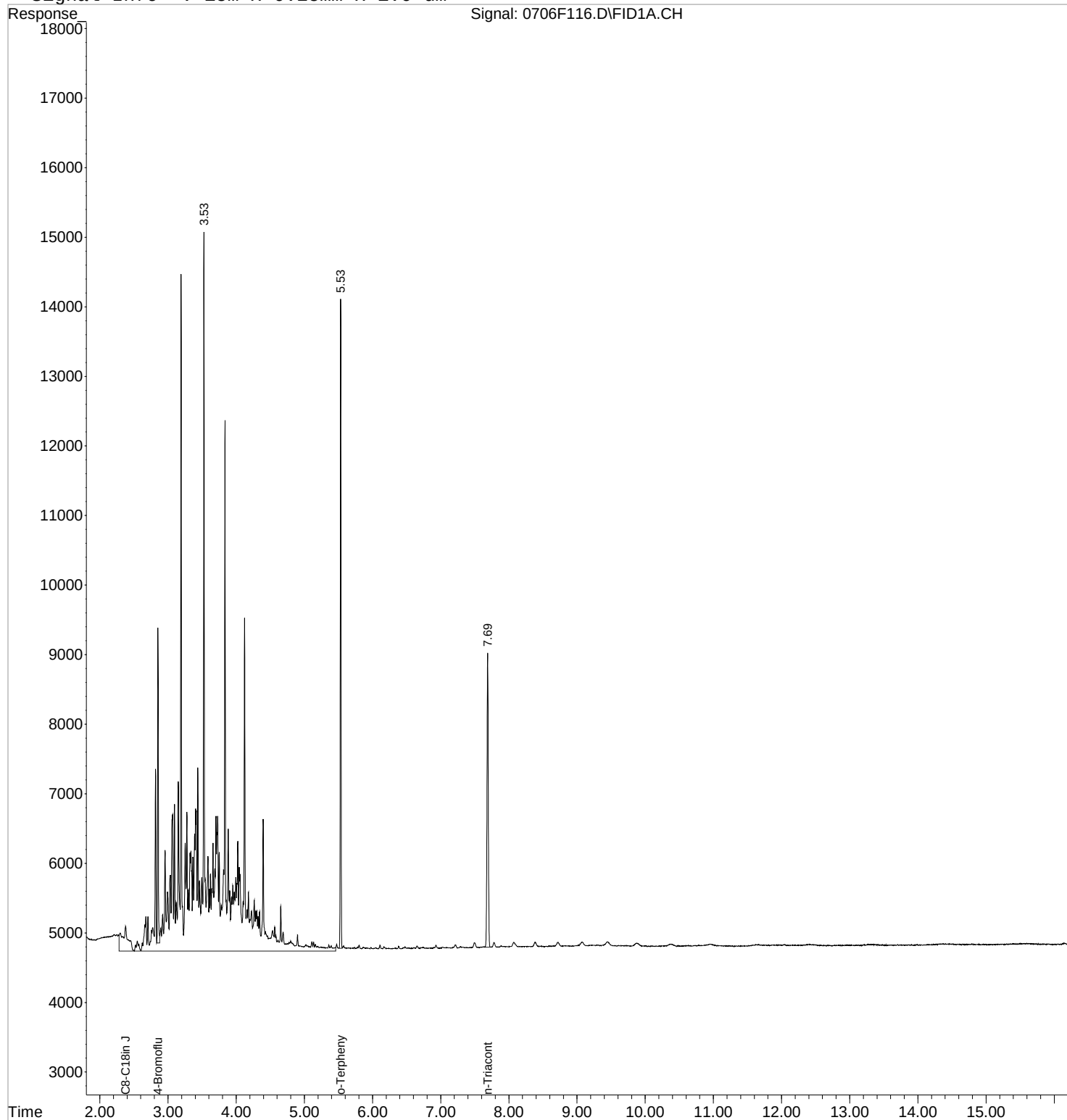
Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S 4-Bromofluorobenzene	2.85	3492	2.813 ppm
Spiked Amount 50.000	Recovery	=	5.63%
2) S o-Terphenyl	5.53	6923	2.822 ppm
Spiked Amount 50.000	Recovery	=	5.64%
3) S n-Triacontane	7.69	5726	2.801 ppm
Spiked Amount 50.000	Recovery	=	5.60%
Target Compounds			
4) H C8-C18in JP-8	2.38	109965	59.585 ppm

Data File : J:\GC21\DATA\070620F\0706F116.D Vial: 2
Acq On : 06 Jul 2020 1:18 pm Operator: TAP
Sample : JP8 SVF02-92D 50/2.5 Inst : GC21
Misc : Multiplr: 1.00
IntFile : rteint.p
Quant Time: Jul 6 15:39 2020 Quant Results File: 070620FJP8.RES

Quant Method : J:\GC21\METHODS\070620FJP8.M (RTE Integrator)
Title : JP-8 by GC/FID CAL16321
Last Update : Mon Jul 06 15:31:18 2020
Response via : Single Level Calibration
DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
Signal Phase : ZB-1
Signal Info : 15m x 0.25mm x 1.0 um



Data File : J:\GC21\DATA\070620F\0706F117.D Vial: 3
 Acq On : 06 Jul 2020 1:41 pm Operator: TAP
 Sample : JP8 SVF02-92C 200/10 Inst : GC21
 Misc : Multiplr: 1.00
 IntFile : rteint.p
 Quant Time: Jul 06 14:07:46 2020 Quant Results File: 070620FJP8.RES

Quant Method : J:\GC21\METHODS\070620FJP8.M (RTE Integrator)
 Title : JP-8 by GC/FID CAL16321
 Last Update : Mon Jul 06 13:19:31 2020
 Response via : Initial Calibration
 DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
 Signal Phase : ZB-1
 Signal Info : 15m x 0.25mm x 1.0 um

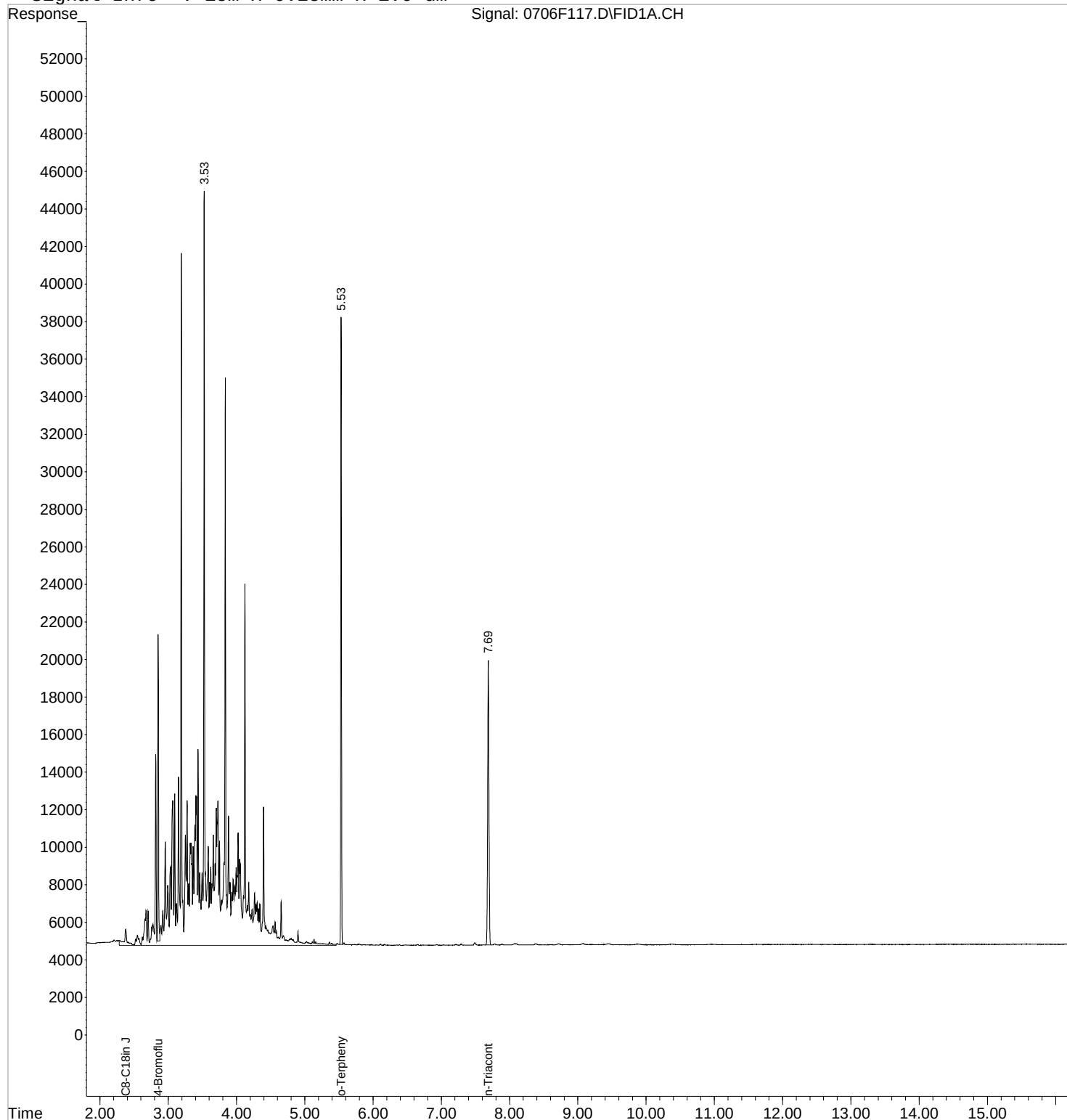
Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S 4-Bromofluorobenzene	2.85	12784	11.357 ppm
Spiked Amount 50.000	Recovery	=	22.71%
2) S o-Terphenyl	5.53	24992	11.184 ppm
Spiked Amount 50.000	Recovery	=	22.37%
3) S n-Triacontane	7.69	20690	11.718 ppm
Spiked Amount 50.000	Recovery	=	23.44%
Target Compounds			
4) H C8-C18in JP-8	2.38	400196	219.534 ppm

Data File : J:\GC21\DATA\070620F\0706F117.D Vial: 3
Acq On : 06 Jul 2020 1:41 pm Operator: TAP
Sample : JP8 SVF02-92C 200/10 Inst : GC21
Misc : Multiplr: 1.00
IntFile : rteint.p
Quant Time: Jul 6 14:11 2020 Quant Results File: 070620FJP8.RES

Quant Method : J:\GC21\METHODS\070620FJP8.M (RTE Integrator)
Title : JP-8 by GC/FID CAL16321
Last Update : Mon Jul 06 13:19:31 2020
Response via : Single Level Calibration
DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
Signal Phase : ZB-1
Signal Info : 15m x 0.25mm x 1.0 um



Data File : J:\GC21\DATA\070620F\0706F118.D Vial: 4
 Acq On : 06 Jul 2020 2:03 pm Operator: TAP
 Sample : JP8 SVF02-92B 500/25 Inst : GC21
 Misc : Multiplr: 1.00
 IntFile : rteint.p
 Quant Time: Jul 06 14:20:27 2020 Quant Results File: 070620FJP8.RES

Quant Method : J:\GC21\METHODS\070620FJP8.M (RTE Integrator)
 Title : JP-8 by GC/FID CAL16321
 Last Update : Mon Jul 06 13:19:31 2020
 Response via : Initial Calibration
 DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
 Signal Phase : ZB-1
 Signal Info : 15m x 0.25mm x 1.0 um

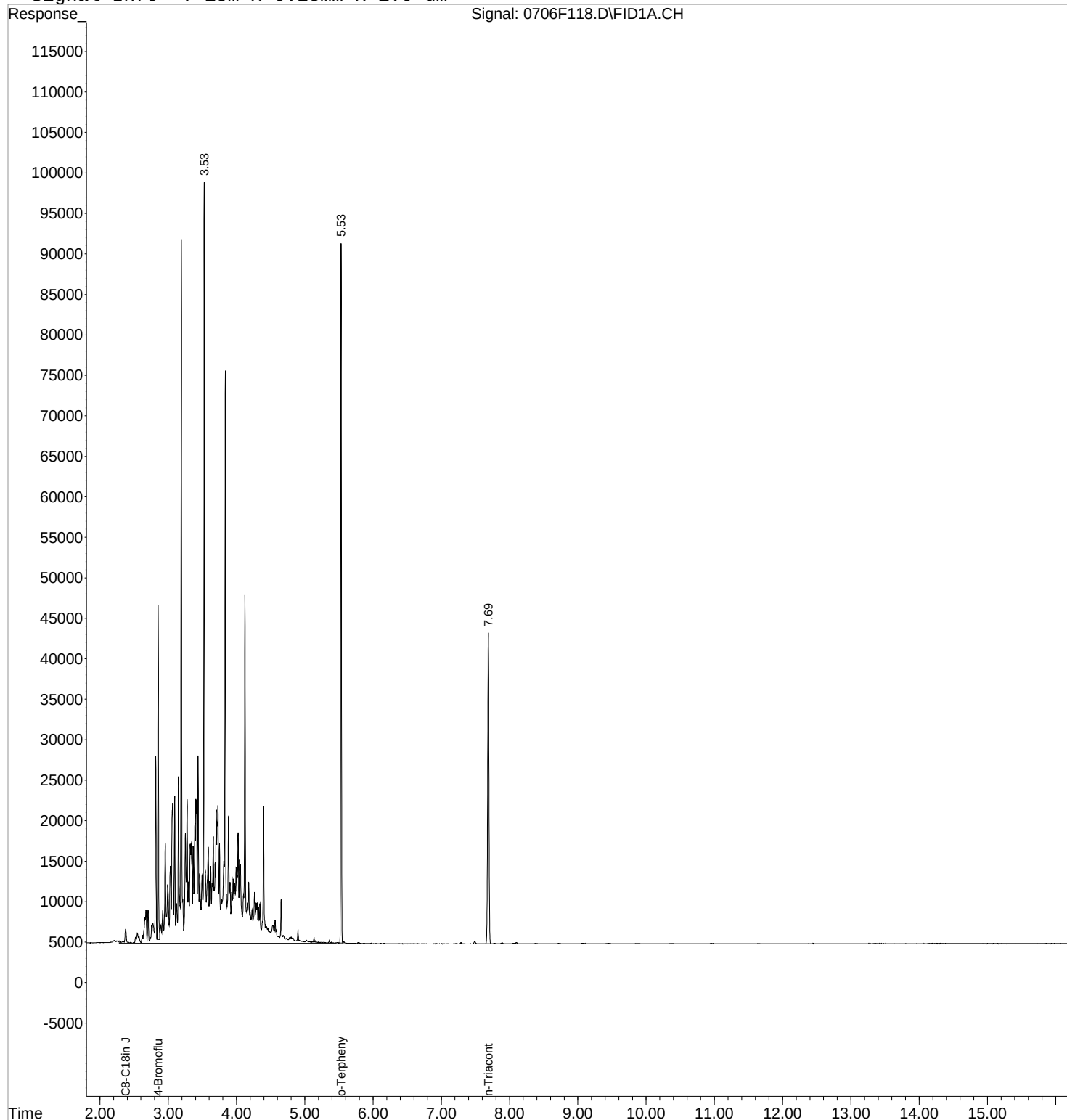
Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S 4-Bromofluorobenzene	2.85	31548	28.027 ppm
Spiked Amount 50.000	Recovery	=	56.05%
2) S o-Terphenyl	5.53	62590	28.009 ppm
Spiked Amount 50.000	Recovery	=	56.02%
3) S n-Triacontane	7.69	52301	29.621 ppm
Spiked Amount 50.000	Recovery	=	59.24%
Target Compounds			
4) H C8-C18in JP-8	2.38	899094	493.212 ppm

Data File : J:\GC21\DATA\070620F\0706F118.D Vial: 4
Acq On : 06 Jul 2020 2:03 pm Operator: TAP
Sample : JP8 SVF02-92B 500/25 Inst : GC21
Misc : Multiplr: 1.00
IntFile : rteint.p
Quant Time: Jul 6 14:21 2020 Quant Results File: 070620FJP8.RES

Quant Method : J:\GC21\METHODS\070620FJP8.M (RTE Integrator)
Title : JP-8 by GC/FID CAL16321
Last Update : Mon Jul 06 13:19:31 2020
Response via : Single Level Calibration
DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
Signal Phase : ZB-1
Signal Info : 15m x 0.25mm x 1.0 um



Data File : J:\GC21\DATA\070620F\0706F119.D Vial: 5
 Acq On : 06 Jul 2020 2:26 pm Operator: TAP
 Sample : JP8 SVF02-92A 2000/100 Inst : GC21
 Misc : Multiplr: 1.00
 IntFile : rteint.p
 Quant Time: Jul 06 14:43:22 2020 Quant Results File: 070620FJP8.RES

Quant Method : J:\GC21\METHODS\070620FJP8.M (RTE Integrator)
 Title : JP-8 by GC/FID CAL16321
 Last Update : Mon Jul 06 13:19:31 2020
 Response via : Initial Calibration
 DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
 Signal Phase : ZB-1
 Signal Info : 15m x 0.25mm x 1.0 um

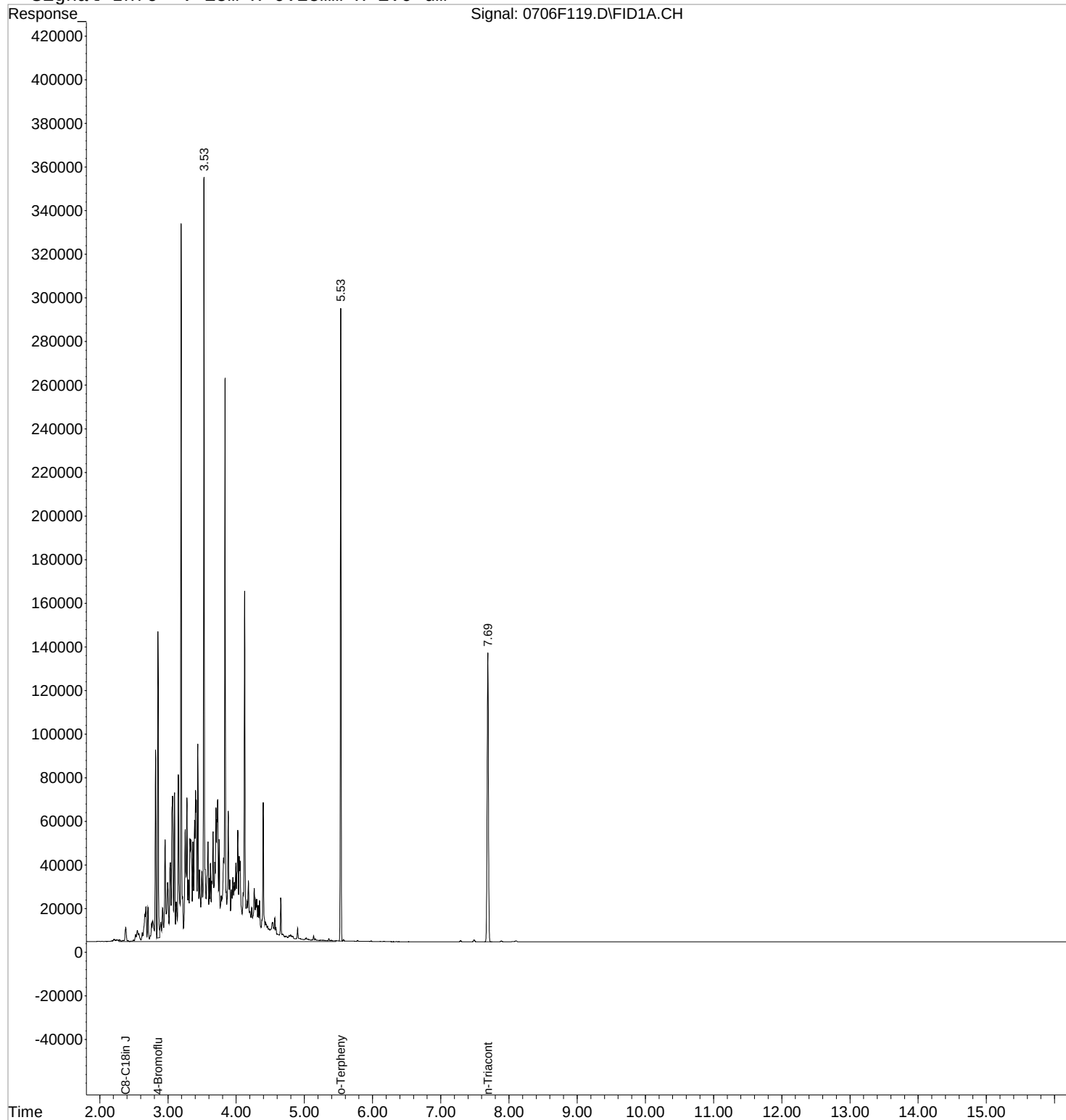
Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S 4-Bromofluorobenzene	2.85	111293	98.872 ppm
Spiked Amount 50.000	Recovery	=	197.74%
2) S o-Terphenyl	5.53	216949	97.085 ppm
Spiked Amount 50.000	Recovery	=	194.17%
3) S n-Triacontane	7.69	181156	102.601 ppm
Spiked Amount 50.000	Recovery	=	205.20%
Target Compounds			
4) H C8-C18in JP-8	2.38	3423048	1877.767 ppm

Data File : J:\GC21\DATA\070620F\0706F119.D Vial: 5
Acq On : 06 Jul 2020 2:26 pm Operator: TAP
Sample : JP8 SVF02-92A 2000/100 Inst : GC21
Misc : Multiplr: 1.00
IntFile : rteint.p
Quant Time: Jul 6 14:44 2020 Quant Results File: 070620FJP8.RES

Quant Method : J:\GC21\METHODS\070620FJP8.M (RTE Integrator)
Title : JP-8 by GC/FID CAL16321
Last Update : Mon Jul 06 13:19:31 2020
Response via : Single Level Calibration
DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
Signal Phase : ZB-1
Signal Info : 15m x 0.25mm x 1.0 um



Data File : J:\GC21\DATA\070620F\0706F120.D Vial: 6
 Acq On : 06 Jul 2020 2:48 pm Operator: TAP
 Sample : JP8 SVF02-91K 5000/250 Inst : GC21
 Misc : Multiplr: 1.00
 IntFile : rteint.p
 Quant Time: Jul 06 15:08:18 2020 Quant Results File: 070620FJP8.RES

Quant Method : J:\GC21\METHODS\070620FJP8.M (RTE Integrator)
 Title : JP-8 by GC/FID CAL16321
 Last Update : Mon Jul 06 14:58:41 2020
 Response via : Initial Calibration
 DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
 Signal Phase : ZB-1
 Signal Info : 15m x 0.25mm x 1.0 um

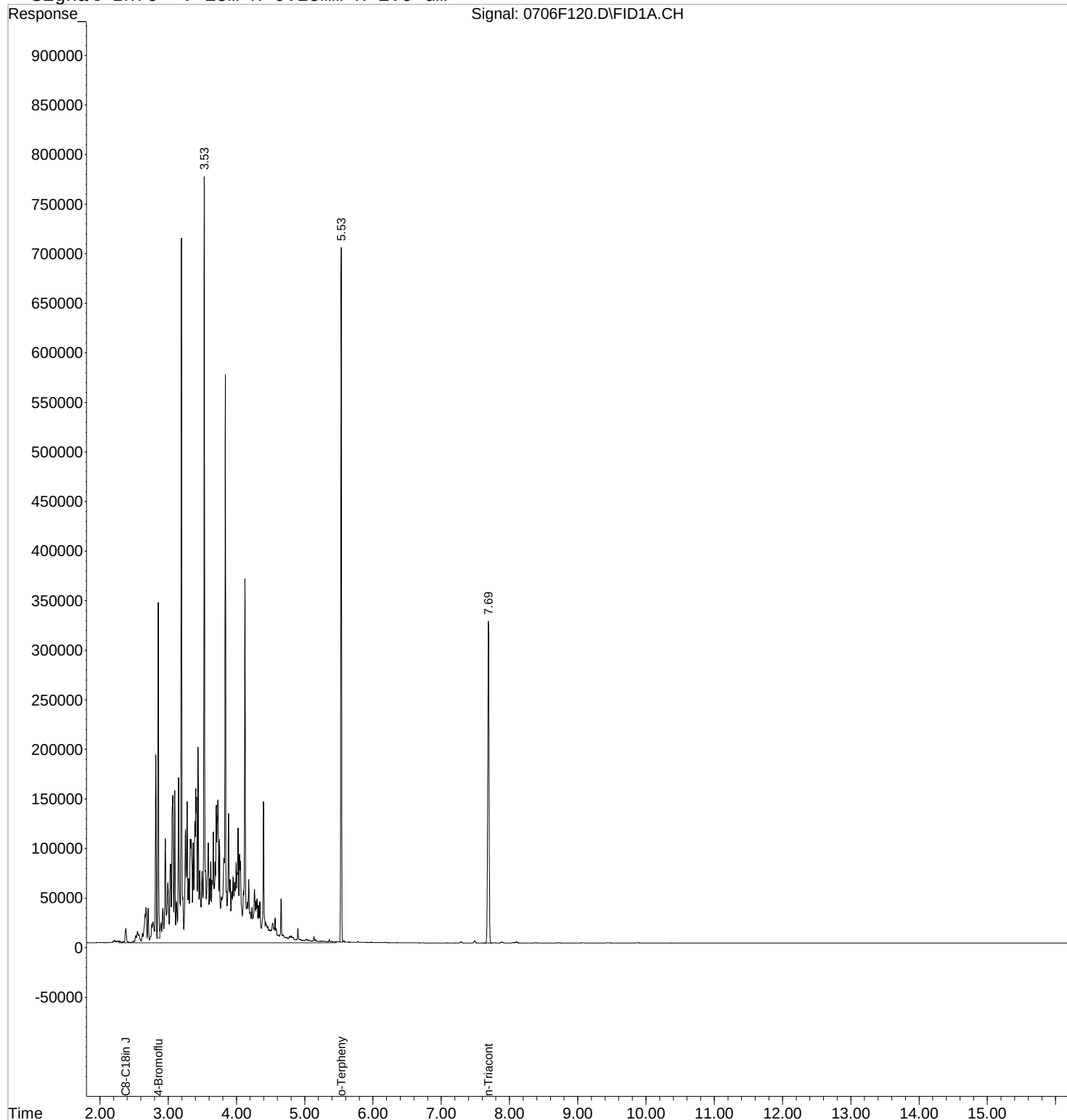
Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S 4-Bromofluorobenzene	2.85	266402	215.740 ppm
Spiked Amount 50.000	Recovery	=	431.48%
2) S o-Terphenyl	5.53	527561	216.269 ppm
Spiked Amount 50.000	Recovery	=	432.54%
3) S n-Triacontane	7.69	445873	220.575 ppm
Spiked Amount 50.000	Recovery	=	441.15%
Target Compounds			
4) H C8-C18in JP-8	2.38	7633778	3997.428 ppm

Data File : J:\GC21\DATA\070620F\0706F120.D Vial: 6
Acq On : 06 Jul 2020 2:48 pm Operator: TAP
Sample : JP8 SVF02-91K 5000/250 Inst : GC21
Misc : Multiplr: 1.00
IntFile : rteint.p
Quant Time: Jul 6 15:08 2020 Quant Results File: 070620FJP8.RES

Quant Method : J:\GC21\METHODS\070620FJP8.M (RTE Integrator)
Title : JP-8 by GC/FID CAL16321
Last Update : Mon Jul 06 14:58:41 2020
Response via : Single Level Calibration
DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
Signal Phase : ZB-1
Signal Info : 15m x 0.25mm x 1.0 um



Data File : J:\GC21\DATA\070620F\0706F121.D Vial: 7
Acq On : 06 Jul 2020 3:11 pm Operator: TAP
Sample : JP8 SVF02-91J 20,000 Inst : GC21
Misc : Multiplr: 1.00
IntFile : rteint.p
Quant Time: Jul 06 15:30:43 2020 Quant Results File: 070620FJP8.RES

Quant Method : J:\GC21\METHODS\070620FJP8.M (RTE Integrator)
Title : JP-8 by GC/FID CAL16321
Last Update : Mon Jul 06 15:30:10 2020
Response via : Initial Calibration
DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
Signal Phase : ZB-1
Signal Info : 15m x 0.25mm x 1.0 um

Compound	R.T.	Response	Conc Units
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System Monitoring Compounds

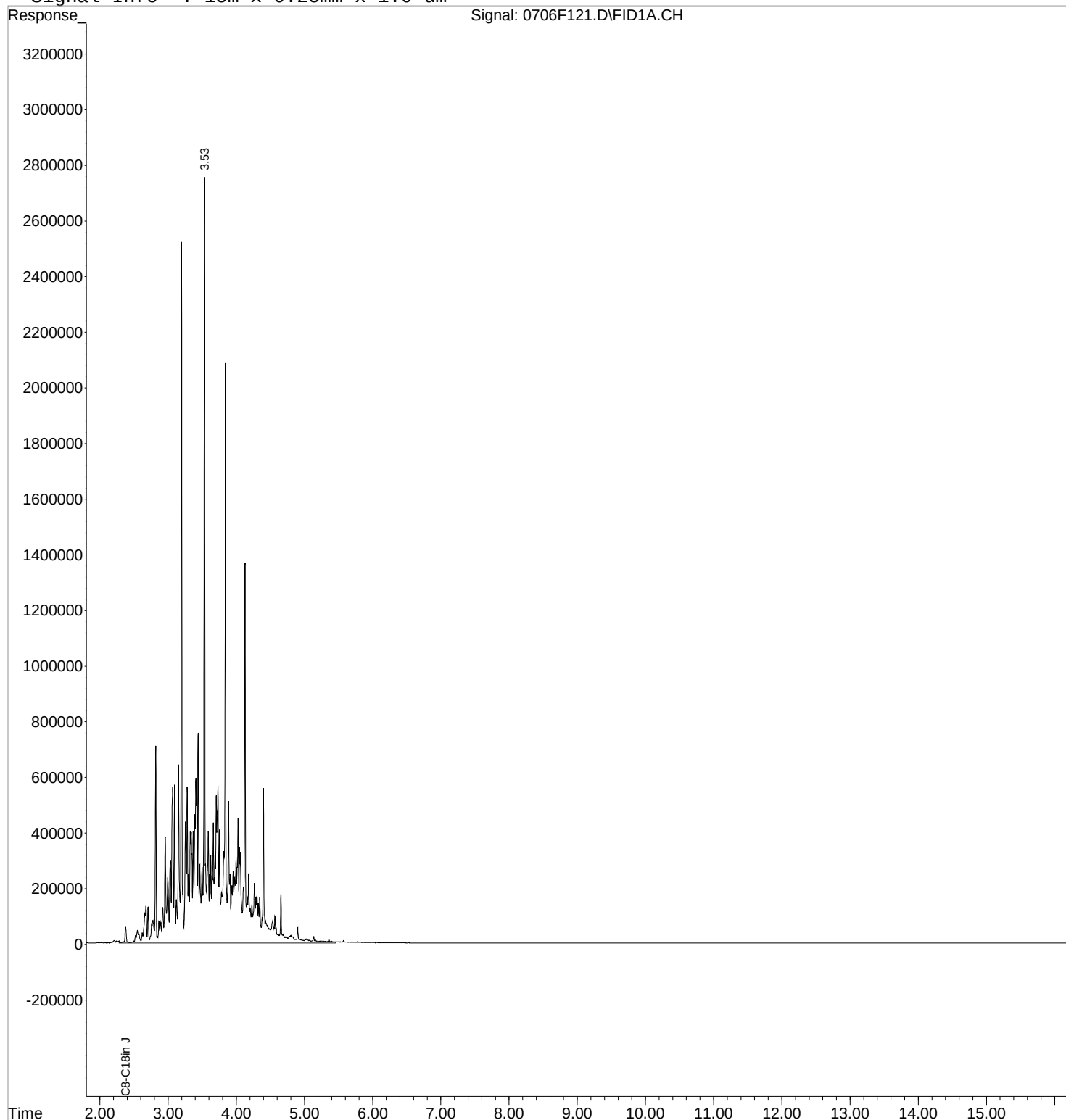
Target Compounds

4) H C8-C18in JP-8	2.38	29566419	15873.679 ppm
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Data File : J:\GC21\DATA\070620F\0706F121.D Vial: 7
Acq On : 06 Jul 2020 3:11 pm Operator: TAP
Sample : JP8 SVF02-91J 20,000 Inst : GC21
Misc : Multiplr: 1.00
IntFile : rteint.p
Quant Time: Jul 6 15:31 2020 Quant Results File: 070620FJP8.RES

Quant Method : J:\GC21\METHODS\070620FJP8.M (RTE Integrator)
Title : JP-8 by GC/FID CAL16321
Last Update : Mon Jul 06 15:30:10 2020
Response via : Single Level Calibration
DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
Signal Phase : ZB-1
Signal Info : 15m x 0.25mm x 1.0 um



Data File : J:\GC21\DATA\070620F\0706F122.D Vial: 8
Acq On : 06 Jul 2020 3:34 pm Operator: TAP
Sample : JP8 SVF02-91I 50,000 Inst : GC21
Misc : Multiplr: 1.00
IntFile : rteint.p
Quant Time: Jul 06 15:59:12 2020 Quant Results File: 070620FJP8.RES

Quant Method : J:\GC21\METHODS\070620FJP8.M (RTE Integrator)
Title : JP-8 by GC/FID CAL16321
Last Update : Mon Jul 06 15:46:00 2020
Response via : Initial Calibration
DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
Signal Phase : ZB-1
Signal Info : 15m x 0.25mm x 1.0 um

Compound	R.T.	Response	Conc Units
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System Monitoring Compounds

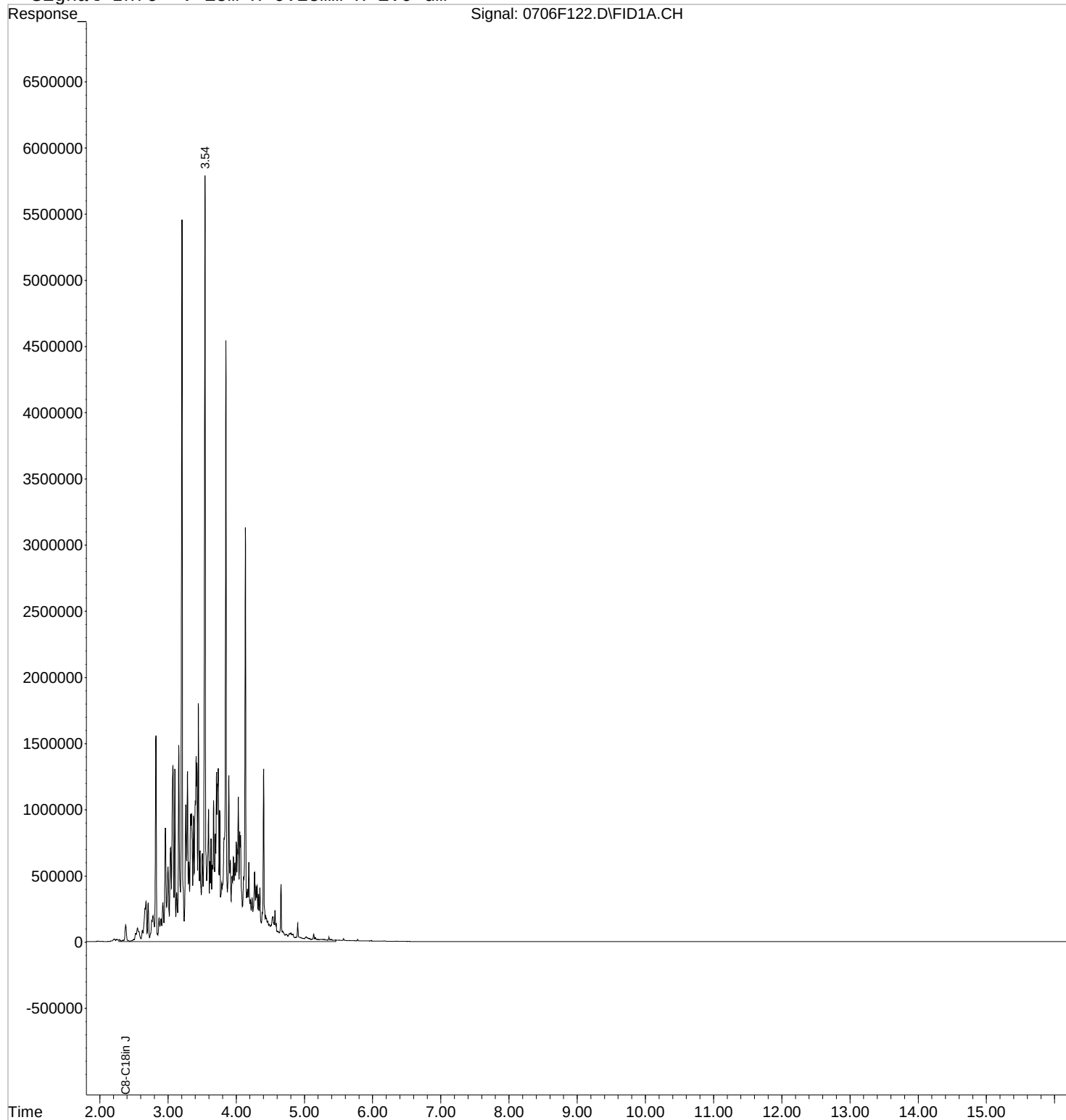
Target Compounds

4) H C8-C18in JP-8	2.38	72366848	41344.201 ppm
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Data File : J:\GC21\DATA\070620F\0706F122.D Vial: 8
Acq On : 06 Jul 2020 3:34 pm Operator: TAP
Sample : JP8 SVF02-91I 50,000 Inst : GC21
Misc : Multiplr: 1.00
IntFile : rteint.p
Quant Time: Jul 6 15:59 2020 Quant Results File: 070620FJP8.RES

Quant Method : J:\GC21\METHODS\070620FJP8.M (RTE Integrator)
Title : JP-8 by GC/FID CAL16321
Last Update : Mon Jul 06 15:46:00 2020
Response via : Single Level Calibration
DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
Signal Phase : ZB-1
Signal Info : 15m x 0.25mm x 1.0 um



Data File : J:\GC21\DATA\070620F\0706F124.D Vial: 86
Acq On : 06 Jul 2020 4:19 pm Operator: TAP
Sample : IB Inst : GC21
Misc : Multiplr: 1.00
IntFile : rteint.p
Quant Time: Jul 07 07:11:39 2020 Quant Results File: 070620FJP8.RES

Quant Method : J:\GC21\METHODS\070620FJP8.M (RTE Integrator)
Title : JP-8 by GC/FID CAL16321
Last Update : Tue Jul 07 07:03:12 2020
Response via : Initial Calibration
DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
Signal Phase : ZB-1
Signal Info : 15m x 0.25mm x 1.0 um

Compound	R.T.	Response	Conc Units
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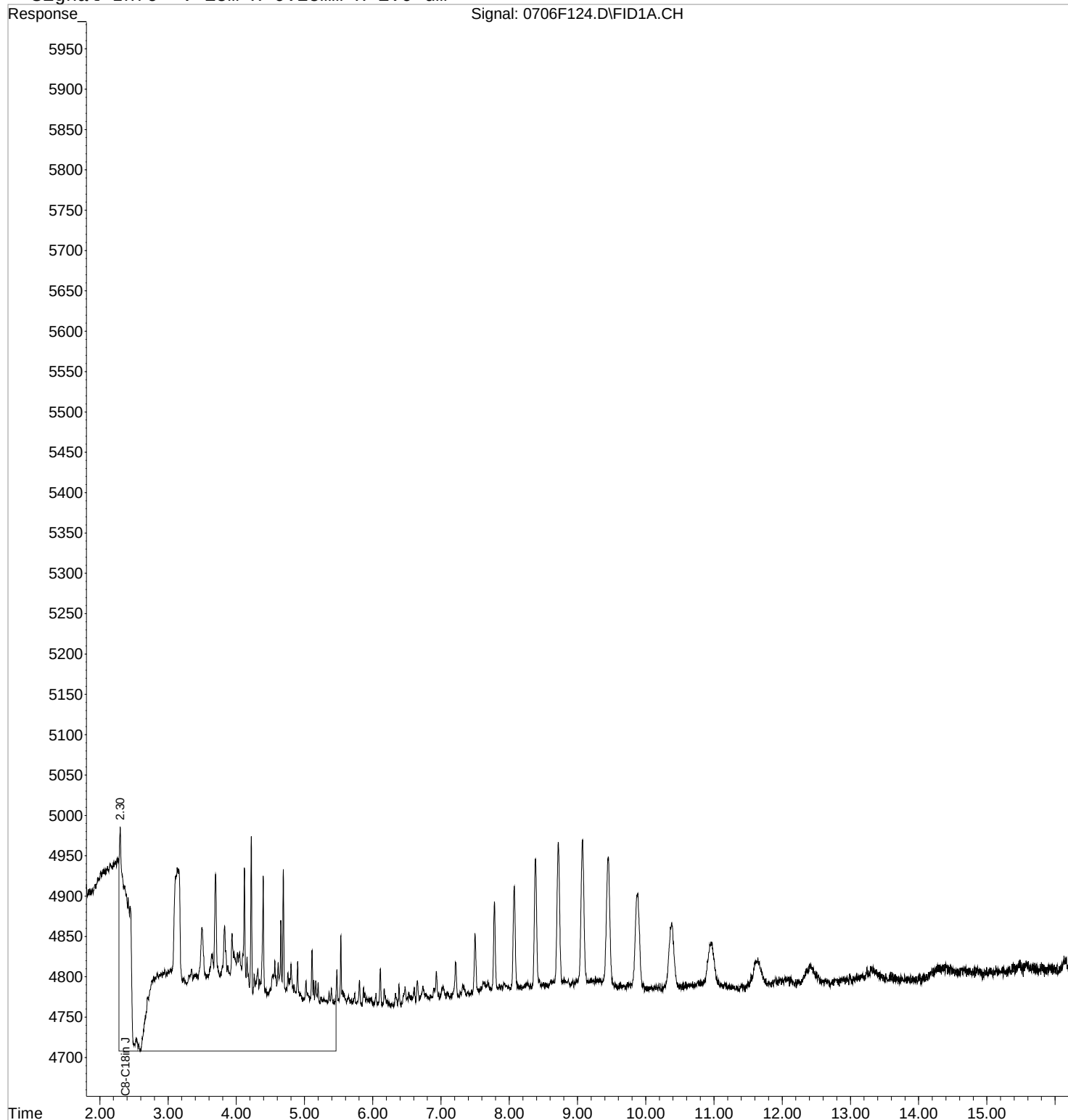
System Monitoring Compounds

Target Compounds			
4) H C8-C18in JP-8	2.38	18891	10.873 ppm

Data File : J:\GC21\DATA\070620F\0706F124.D Vial: 86
Acq On : 06 Jul 2020 4:19 pm Operator: TAP
Sample : IB Inst : GC21
Misc : Multiplr: 1.00
IntFile : rteint.p
Quant Time: Jul 7 7:11 2020 Quant Results File: 070620FJP8.RES

Quant Method : J:\GC21\METHODS\070620FJP8.M (RTE Integrator)
Title : JP-8 by GC/FID CAL16321
Last Update : Tue Jul 07 07:03:12 2020
Response via : Single Level Calibration
DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
Signal Phase : ZB-1
Signal Info : 15m x 0.25mm x 1.0 um



Data File : J:\GC21\DATA\070620F\0706F125.D Vial: 9
Acq On : 06 Jul 2020 4:41 pm Operator: TAP
Sample : JP8 SVF02-92F ICV @1000 Inst : GC21
Misc : Multiplr: 1.00
IntFile : rteint.p
Quant Time: Jul 07 07:03:35 2020 Quant Results File: 070620FJP8.RES

Quant Method : J:\GC21\METHODS\070620FJP8.M (RTE Integrator)
Title : JP-8 by GC/FID CAL16321
Last Update : Tue Jul 07 07:03:12 2020
Response via : Initial Calibration
DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
Signal Phase : ZB-1
Signal Info : 15m x 0.25mm x 1.0 um

Compound	R.T.	Response	Conc Units
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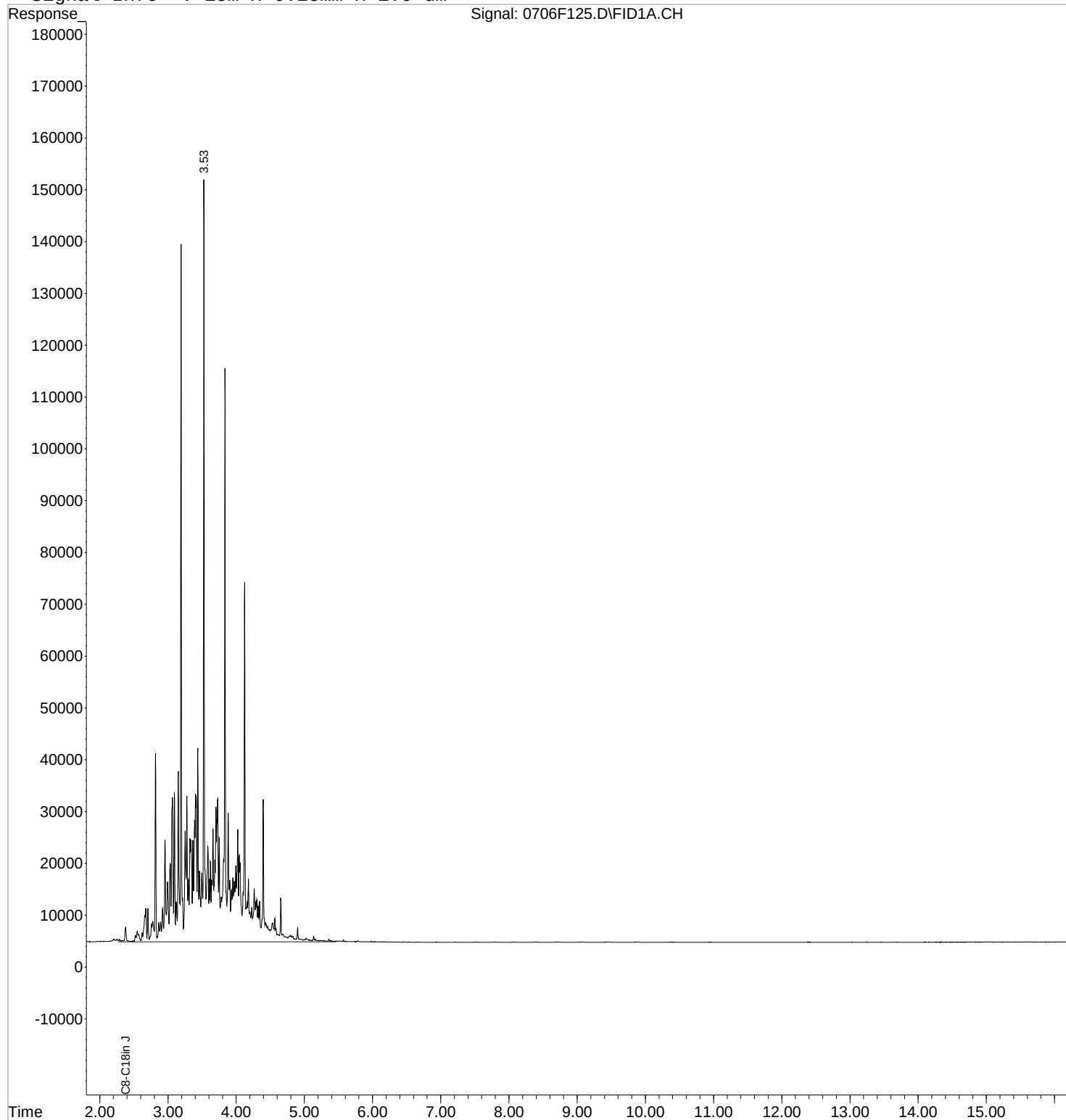
System Monitoring Compounds

Target Compounds			
4) H C8-C18in JP-8	2.38	1428228	822.008 ppm

Data File : J:\GC21\DATA\070620F\0706F125.D Vial: 9
Acq On : 06 Jul 2020 4:41 pm Operator: TAP
Sample : JP8 SVF02-92F ICV @1000 Inst : GC21
Misc : Multiplr: 1.00
IntFile : rteint.p
Quant Time: Jul 7 7:03 2020 Quant Results File: 070620FJP8.RES

Quant Method : J:\GC21\METHODS\070620FJP8.M (RTE Integrator)
Title : JP-8 by GC/FID CAL16321
Last Update : Tue Jul 07 07:03:12 2020
Response via : Single Level Calibration
DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
Signal Phase : ZB-1
Signal Info : 15m x 0.25mm x 1.0 um



Injection Log

Directory: J:\GC21\DATA\070620F

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	90	0706F101.D	1.	DCM		07/06/22020 6:57:4
2	90	0706F102.D	1.	DCM		07/06/22020 7:19:5
3	90	0706F103.D	1.	DCM		07/06/22020 7:42:2
4	90	0706F104.D	1.	DCM		07/06/22020 8:04:5
5	90	0706F105.D	1.	DCM		07/06/22020 8:27:2
6	90	0706F106.D	1.	DCM		07/06/22020 8:49:5
7	90	0706F107.D	1.	DCM		07/06/22020 9:12:3
8	90	0706F108.D	1.	IB		07/06/22020 9:35:0
9	90	0706F109.D	1.	IB		07/06/22020 9:57:4
10	90	0706F110.D	1.	IB		07/06/22020 10:20:2
11	90	0706F111.D	1.	IB		07/06/22020 10:42:5
12	99	0706F112.D	1.	MC252		07/06/22020 11:48:2
13	91	0706F113.D	1.	ALIPHATICS		07/06/22020 12:10:5
14	86	0706F114.D	1.	ICAL BLANK		07/06/22020 12:33:2
15	1	0706F115.D	1.	JP8 SVF02-92E 20/1.0		07/06/22020 12:56:0
16	2	0706F116.D	1.	JP8 SVF02-92D 50/2.5		07/06/22020 1:18:3
17	3	0706F117.D	1.	JP8 SVF02-92C 200/10		07/06/22020 1:41:0
18	4	0706F118.D	1.	JP8 SVF02-92B 500/25		07/06/22020 2:03:4
19	5	0706F119.D	1.	JP8 SVF02-92A 2000/100		07/06/22020 2:26:1
20	6	0706F120.D	1.	JP8 SVF02-91K 5000/250		07/06/22020 2:48:4
21	7	0706F121.D	1.	JP8 SVF02-91J 20,000		07/06/22020 3:11:2
22	8	0706F122.D	1.	JP8 SVF02-91I 50,000		07/06/22020 3:34:0
23	90	0706F123.D	1.	IB		07/06/22020 3:56:3
24	86	0706F124.D	1.	IB		07/06/22020 4:19:1
25	9	0706F125.D	1.	JP8 SVF02-92F ICV @1000		07/06/22020 4:41:4
26	90	0706F126.D	1.	IB		07/06/22020 5:04:1
27	90	0706F127.D	1.	IB		07/06/22020 5:26:4
28	86	0706F128.D	1.	ICAL BLANK		07/06/22020 5:49:1
29	10	0706F129.D	1.	DRO SVF02-93C 20/1.0		07/06/22020 6:11:4
30	11	0706F130.D	1.	DRO SVF02-93B 50/2.5		07/06/22020 6:34:2
31	12	0706F131.D	1.	DRO SVF02-93A 200/10		07/06/22020 6:56:5
32	13	0706F132.D	1.	DRO SVF02-92K 500/25		07/06/22020 7:19:1
33	14	0706F133.D	1.	DRO SVF02-92J 2000/100		07/06/22020 7:41:5
34	15	0706F134.D	1.	DRO SVF02-92I 5000/250		07/06/22020 8:04:1
35	16	0706F135.D	1.	DRO SVF02-92H 20,000 <i>RL</i>		07/06/22020 8:26:4
36	17	0706F136.D	1.	DRO SVF02-92G 50,000 <i>RL</i>		07/06/22020 8:49:2
37	90	0706F137.D	1.	IB		07/06/22020 9:11:5
38	86	0706F138.D	1.	IB		07/06/22020 9:34:1
39	18	0706F139.D	1.	DRO SVF02-93D ICV@1000 <i>RL</i>		07/06/22020 9:56:4
40	86	0706F140.D	1.	IB		07/06/22020 10:19:1
41	19	0706F141.D	1.	DRO SVF02-93E ICV CHECK@1000 AMP.		07/06/22020 10:41:4
42	90	0706F143.D	1.	IB		07/06/22020 11:04:1
43	90	0706F144.D	1.	IB		07/06/22020 11:26:3
44	86	0706F145.D	1.	ICAL BLANK		07/06/22020 11:49:0
45	20	0706F146.D	1.	RRO SVF02-93J 50		07/07/22020 12:11:3
46	21	0706F147.D	1.	RRO SVF02-93I 200		07/07/22020 12:33:5
47	22	0706F148.D	1.	RRO SVF02-93H 500		07/07/22020 12:56:2
48	23	0706F149.D	1.	RRO SVF02-93G 2000		07/07/22020 1:18:5
49	24	0706F150.D	1.	RRO SVF02-93F 5000		07/07/22020 1:41:2
50	86	0706F151.D	1.	IB		07/07/22020 2:03:5
51	25	0706F152.D	1.	RRO SVF02-93K ICV@1000		07/07/22020 2:26:2
52	90	0706F153.D	1.	IB		07/07/22020 2:48:4
53	90	0706F154.D	1.	IB		07/07/22020 3:11:1
54	86	0706F156.D	1.	ICAL BLANK		07/07/22020 3:33:4

CAL16326

Injection Log

Directory: J:\GC21\DATA\070620F

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
55	26	0706F157.D	1.	AK103 SVF02-94B 50		07/07/22020 3:56:1
56	27	0706F158.D	1.	AK103 SVF02-94A 200		07/07/22020 4:18:3
57	28	0706F159.D	1.	AK103 SVF02-93N 500		07/07/22020 4:41:0
58	29	0706F160.D	1.	AK103 SVF02-93M 2000		07/07/22020 5:03:2
59	30	0706F161.D	1.	AK103 SVF02-93L 5000		07/07/22020 5:25:5
60	86	0706F162.D	1.	IB		07/07/22020 5:48:2
61	31	0706F163.D	1.	AK103 SVF02-94C ICV@1000		07/07/22020 6:10:5
62	90	0706F164.D	1.	IB		07/07/22020 6:33:2
63	90	0706F165.D	1.	IB		07/07/22020 6:56:0
64	90	0706F166.D	1.	IB		07/07/22020 7:18:3
65	17	0706F167.D	1.	DRO SVF02-92G 50,000		07/07/22020 7:41:0
66	16	0706F168.D	1.	DRO SVF02-92H 20,000		07/07/22020 8:03:4
67	86	0706F169.D	1.	IB		07/07/22020 8:26:1
68	18	0706F170.D	1.	DRO SVF02-93D ICV@1000		07/07/22020 8:48:4

Initial Calibration - Summary Report

Calibration ID: CAL16326
Method ID: MJ257

Instrument ID: GC21
Column Name: ZB-1

Parameter Name	Type	Curve Fit	Min RF	Mean RF	Max %RSD	%RSD	Min COD	COD	MRL Check	Conc ½ Low pt.
4-Bromofluorobenzene	SURR	AverageRF		1.2E+3	20	11.3			NA	
o-Terphenyl	SURR	AverageRF		2.5E+3	20	12.0			NA	
n-Triacontane	SURR	AverageRF		2.0E+3	20	10.9			NA	
C10 - C25 DRO	MS	AverageRF		1.6E+3	20	15.4			OK	
Diesel Range Organics	MS	AverageRF		1.7E+3	20	17.5			OK	
Diesel Range Organics (DRO)	MS	AverageRF		1.3E+3	20	14.8			OK	
Residual Range Organics (RRO)	MS	AverageRF		9.2E+2	20	6.9			OK	
C25 - C36 RRO	MS	AverageRF		8.7E+2	20	6.3			OK	

Initial Calibration - Detailed Report

Calibration ID: CAL16326
Method ID: MJ257

Instrument ID: GC21
Column Name: ZB-1
Calibration Fit: AverageRF

#	FileID	File Location	Acquisition Date	Quantitation Date	Last Updated
1	294076	J:\GC21\DATA\070620F\0706F129.D	07/06/2020 18:11	07/07/2020 07:17	07/07/2020 08:05
2	294077	J:\GC21\DATA\070620F\0706F130.D	07/06/2020 18:34	07/07/2020 07:19	07/07/2020 08:05
3	294078	J:\GC21\DATA\070620F\0706F131.D	07/06/2020 18:56	07/07/2020 07:20	07/07/2020 08:05
4	294079	J:\GC21\DATA\070620F\0706F132.D	07/06/2020 19:19	07/07/2020 07:21	07/07/2020 08:05
5	294080	J:\GC21\DATA\070620F\0706F133.D	07/06/2020 19:41	07/07/2020 07:22	07/07/2020 08:05
6	294081	J:\GC21\DATA\070620F\0706F134.D	07/06/2020 20:04	07/07/2020 07:23	07/07/2020 08:05
7	294082	J:\GC21\DATA\070620F\0706F146.D	07/07/2020 00:11	07/07/2020 07:35	07/07/2020 08:05
8	294083	J:\GC21\DATA\070620F\0706F147.D	07/07/2020 00:33	07/07/2020 07:36	07/07/2020 08:05
9	294084	J:\GC21\DATA\070620F\0706F148.D	07/07/2020 00:56	07/07/2020 07:36	07/07/2020 08:05
10	294085	J:\GC21\DATA\070620F\0706F149.D	07/07/2020 01:18	07/07/2020 07:38	07/07/2020 08:05
11	294086	J:\GC21\DATA\070620F\0706F150.D	07/07/2020 01:41	07/07/2020 07:39	07/07/2020 08:05
12	294088	J:\GC21\DATA\070620F\0706F157.D	07/07/2020 03:56	07/07/2020 07:47	07/07/2020 08:05
13	294089	J:\GC21\DATA\070620F\0706F158.D	07/07/2020 04:18	07/07/2020 07:48	07/07/2020 08:05
14	294090	J:\GC21\DATA\070620F\0706F159.D	07/07/2020 04:41	07/07/2020 07:49	07/07/2020 08:05
15	294091	J:\GC21\DATA\070620F\0706F160.D	07/07/2020 05:03	07/07/2020 07:50	07/07/2020 08:05
16	294092	J:\GC21\DATA\070620F\0706F161.D	07/07/2020 05:25	07/07/2020 07:52	07/07/2020 08:05
17	294094	J:\GC21\DATA\070620F\0706F167.D	07/07/2020 07:41	07/07/2020 07:58	07/07/2020 08:24
18	294095	J:\GC21\DATA\070620F\0706F168.D	07/07/2020 08:03	07/07/2020 08:23	07/07/2020 08:24

Parameter Name	#	RF	#	RF	#	RF	#	RF	#	RF	#	RF	Mean RF	%RSD
4-Bromofluorobenzene	1	1.3E+3	2	1.4E+3	3	1.2E+3	4	1.2E+3	5	1.1E+3	6	1.1E+3	1.2E+3	11.3
o-Terphenyl	1	2.7E+3	2	2.9E+3	3	2.4E+3	4	2.4E+3	5	2.2E+3	6	2.1E+3	2.5E+3	12.0
n-Triacontane	1	2.2E+3	2	2.3E+3	3	2.0E+3	4	2.0E+3	5	1.8E+3	6	1.8E+3	2.0E+3	10.9
C10 - C25 DRO	1	2.0E+3	2	1.9E+3	3	1.7E+3	4	1.6E+3	5	1.5E+3	6	1.4E+3	1.6E+3	15.4
									17	1.3E+3	18	1.4E+3		
Diesel Range Organics	1	2.2E+3	2	2.0E+3	3	1.7E+3	4	1.6E+3	5	1.6E+3	6	1.4E+3	1.7E+3	17.5
									17	1.4E+3	18	1.5E+3		
Diesel Range Organics (DRO)	1	1.7E+3	2	1.6E+3	3	1.4E+3	4	1.3E+3	5	1.3E+3	6	1.2E+3	1.3E+3	14.8
									17	1.1E+3	18	1.2E+3		
Residual Range Organics (RRO)													9.2E+2	6.9
	7	1.0E+3	8	9.5E+2	9	9.3E+2	10	8.7E+2	11	8.5E+2				
C25 - C36 RRO													8.7E+2	6.3
											12	9.2E+2		
	13	9.2E+2	14	8.7E+2	15	8.3E+2	16	8.0E+2						

Initial Calibration - Detailed Report

Calibration ID: CAL16326
Method ID: MJ257

Instrument ID: GC21
Column Name: ZB-1

#	FileID	File Location	Acquisition Date	Quantitation Date	Last Updated
1	294076	J:\GC21\DATA\070620F\0706F129.D	07/06/2020 18:11	07/07/2020 07:17	07/07/2020 08:05
2	294077	J:\GC21\DATA\070620F\0706F130.D	07/06/2020 18:34	07/07/2020 07:19	07/07/2020 08:05
3	294078	J:\GC21\DATA\070620F\0706F131.D	07/06/2020 18:56	07/07/2020 07:20	07/07/2020 08:05
4	294079	J:\GC21\DATA\070620F\0706F132.D	07/06/2020 19:19	07/07/2020 07:21	07/07/2020 08:05
5	294080	J:\GC21\DATA\070620F\0706F133.D	07/06/2020 19:41	07/07/2020 07:22	07/07/2020 08:05
6	294081	J:\GC21\DATA\070620F\0706F134.D	07/06/2020 20:04	07/07/2020 07:23	07/07/2020 08:05
7	294082	J:\GC21\DATA\070620F\0706F146.D	07/07/2020 00:11	07/07/2020 07:35	07/07/2020 08:05
8	294083	J:\GC21\DATA\070620F\0706F147.D	07/07/2020 00:33	07/07/2020 07:36	07/07/2020 08:05
9	294084	J:\GC21\DATA\070620F\0706F148.D	07/07/2020 00:56	07/07/2020 07:36	07/07/2020 08:05
10	294085	J:\GC21\DATA\070620F\0706F149.D	07/07/2020 01:18	07/07/2020 07:38	07/07/2020 08:05
11	294086	J:\GC21\DATA\070620F\0706F150.D	07/07/2020 01:41	07/07/2020 07:39	07/07/2020 08:05
12	294088	J:\GC21\DATA\070620F\0706F157.D	07/07/2020 03:56	07/07/2020 07:47	07/07/2020 08:05
13	294089	J:\GC21\DATA\070620F\0706F158.D	07/07/2020 04:18	07/07/2020 07:48	07/07/2020 08:05
14	294090	J:\GC21\DATA\070620F\0706F159.D	07/07/2020 04:41	07/07/2020 07:49	07/07/2020 08:05
15	294091	J:\GC21\DATA\070620F\0706F160.D	07/07/2020 05:03	07/07/2020 07:50	07/07/2020 08:05
16	294092	J:\GC21\DATA\070620F\0706F161.D	07/07/2020 05:25	07/07/2020 07:52	07/07/2020 08:05
17	294094	J:\GC21\DATA\070620F\0706F167.D	07/07/2020 07:41	07/07/2020 07:58	07/07/2020 08:24
18	294095	J:\GC21\DATA\070620F\0706F168.D	07/07/2020 08:03	07/07/2020 08:23	07/07/2020 08:24

Parameter Name	#	Cal Amt	Calc Conc	% D	#	Cal Amt	Calc Conc	% D	#	Cal Amt	Calc Conc	% D
4-Bromofluorobenzene	1	1	1.107	10.7	2	2.5	2.905	16.2	3	10	9.748	-2.5
	4	25	24.43	-2.3	5	100	90.74	-9.3	6	250	217.9	-12.8

o-Terphenyl	1	1	1.114	11.4	2	2.5	2.913	16.5	3	10	9.815	-1.8
	4	25	24.63	-1.5	5	100	89.89	-10.1	6	250	213.8	-14.5

n-Triacontane	1	1	1.106	10.6	2	2.5	2.867	14.7	3	10	9.848	-1.5
	4	25	24.77	-0.9	5	100	90.32	-9.7	6	250	217.1	-13.2

C10 - C25 DRO	1	20	25.16	25.8	2	50	59.21	18.4	3	200	210.9	5.4
	4	500	485.3	-2.9	5	2000	1902	-4.9	6	5000	4317	-13.7

17	50000	41920	-16.2	18	20000	17600	-12.0
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Initial Calibration - Detailed Report

Calibration ID: CAL16326
Method ID: MJ257

Instrument ID: GC21
Column Name: ZB-1

Parameter Name	#	Cal Amt	Calc Conc	% D	#	Cal Amt	Calc Conc	% D	#	Cal Amt	Calc Conc	% D
Diesel Range Organics	1	20	26.05	30.2	2	50	60.64	21.3	3	200	208.8	4.4
	4	500	477.6	-4.5	5	2000	1874	-6.3	6	5000	4259	-14.8
					17	50000	41380	-17.2	18	20000	17380	-13.1
Diesel Range Organics (DRO)	1	20	24.68	23.4	2	50	59.52	19.0	3	200	211.0	5.5
	4	500	487.1	-2.6	5	2000	1909	-4.6	6	5000	4329	-13.4
					17	50000	42150	-15.7	18	20000	17670	-11.6
Residual Range Organics (RRO)												
					7	50	54.72	9.4	8	200	206.1	3.0
					10	2000	1887	-5.7	11	5000	4610	-7.8
C25 - C36 RRO												
					12	50	53.18	6.4				
					13	200	211.1	5.6	14	500	502.2	0.4
					15	2000	1918	-4.1				
					16	5000	4588	-8.2				

Calibration ID: CAL16326
Method ID: MJ257

Instrument ID: GC21
Column Name: ZB-1

Parameter Name	Type	Curve Fit	Min RF	Mean RF	Max %RSD	%RSD	Min COD	COD	MRL Check	Conc ½ Low pt.
4-Bromofluorobenzene	SURR	AverageRF		1.2E+3	20	11.3			NA	
o-Terphenyl	SURR	AverageRF		2.5E+3	20	12.0			NA	
n-Triacontane	SURR	AverageRF		2.0E+3	20	10.9			NA	
C10 - C25 DRO	MS	AverageRF		1.6E+3	20	15.4			OK	
Diesel Range Organics	MS	AverageRF		1.7E+3	20	17.5			OK	
Diesel Range Organics (DRO)	MS	Linear		1.3E+3			0.99	0.9923	OK	5.52
Residual Range Organics (RRO)	MS	Linear		9.2E+2			0.99	0.9985	OK	20.90
C25 - C36 RRO	MS	AverageRF		8.7E+2	20	6.3			OK	

Initial Calibration - Detailed Report

Calibration ID: CAL16326
Method ID: MJ257

Instrument ID: GC21
Column Name: ZB-1
Calibration Fit: AverageRF

#	FileID	File Location	Acquisition Date	Quantitation Date	Last Updated
1	294076	J:\GC21\DATA\070620F\0706F129.D	07/06/2020 18:11	07/07/2020 07:17	07/07/2020 08:05
2	294077	J:\GC21\DATA\070620F\0706F130.D	07/06/2020 18:34	07/07/2020 07:19	07/07/2020 08:05
3	294078	J:\GC21\DATA\070620F\0706F131.D	07/06/2020 18:56	07/07/2020 07:20	07/07/2020 08:05
4	294079	J:\GC21\DATA\070620F\0706F132.D	07/06/2020 19:19	07/07/2020 07:21	07/07/2020 08:05
5	294080	J:\GC21\DATA\070620F\0706F133.D	07/06/2020 19:41	07/07/2020 07:22	07/07/2020 08:05
6	294081	J:\GC21\DATA\070620F\0706F134.D	07/06/2020 20:04	07/07/2020 07:23	07/07/2020 08:05
7	294082	J:\GC21\DATA\070620F\0706F146.D	07/07/2020 00:11	07/07/2020 07:35	07/07/2020 08:05
8	294083	J:\GC21\DATA\070620F\0706F147.D	07/07/2020 00:33	07/07/2020 07:36	07/07/2020 08:05
9	294084	J:\GC21\DATA\070620F\0706F148.D	07/07/2020 00:56	07/07/2020 07:36	07/07/2020 08:05
10	294085	J:\GC21\DATA\070620F\0706F149.D	07/07/2020 01:18	07/07/2020 07:38	07/07/2020 08:05
11	294086	J:\GC21\DATA\070620F\0706F150.D	07/07/2020 01:41	07/07/2020 07:39	07/07/2020 08:05
12	294088	J:\GC21\DATA\070620F\0706F157.D	07/07/2020 03:56	07/07/2020 07:47	07/07/2020 08:05
13	294089	J:\GC21\DATA\070620F\0706F158.D	07/07/2020 04:18	07/07/2020 07:48	07/07/2020 08:05
14	294090	J:\GC21\DATA\070620F\0706F159.D	07/07/2020 04:41	07/07/2020 07:49	07/07/2020 08:05
15	294091	J:\GC21\DATA\070620F\0706F160.D	07/07/2020 05:03	07/07/2020 07:50	07/07/2020 08:05
16	294092	J:\GC21\DATA\070620F\0706F161.D	07/07/2020 05:25	07/07/2020 07:52	07/07/2020 08:05
17	294094	J:\GC21\DATA\070620F\0706F167.D	07/07/2020 07:41	07/07/2020 07:58	07/07/2020 08:24
18	294095	J:\GC21\DATA\070620F\0706F168.D	07/07/2020 08:03	07/07/2020 08:23	07/07/2020 08:24

Parameter Name	#	RF	#	RF	#	RF	#	RF	#	RF	#	RF	Mean RF	%RSD
4-Bromofluorobenzene	1	1.3E+3	2	1.4E+3	3	1.2E+3	4	1.2E+3	5	1.1E+3	6	1.1E+3	1.2E+3	11.3
o-Terphenyl	1	2.7E+3	2	2.9E+3	3	2.4E+3	4	2.4E+3	5	2.2E+3	6	2.1E+3	2.5E+3	12.0
n-Triacontane	1	2.2E+3	2	2.3E+3	3	2.0E+3	4	2.0E+3	5	1.8E+3	6	1.8E+3	2.0E+3	10.9
C10 - C25 DRO	1	2.0E+3	2	1.9E+3	3	1.7E+3	4	1.6E+3	5	1.5E+3	6	1.4E+3	1.6E+3	15.4
Diesel Range Organics	1	2.2E+3	2	2.0E+3	3	1.7E+3	4	1.6E+3	5	1.6E+3	6	1.4E+3	1.7E+3	17.5
Diesel Range Organics (DRO)	1	1.7E+3	2	1.6E+3	3	1.4E+3	4	1.3E+3	5	1.3E+3	6	1.2E+3	1.3E+3	14.8#
Residual Range Organics (RRO)	7	1.0E+3	8	9.5E+2	9	9.3E+2	10	8.7E+2	11	8.5E+2			9.2E+2	6.9#
C25 - C36 RRO	13	9.2E+2	14	8.7E+2	15	8.3E+2	16	8.0E+2					8.7E+2	6.3

RSD Not Applicable. Compound being quantitated from curve. Included in Average RF summary for Average %RSD calculation.

Initial Calibration - Detailed Report

Calibration ID: CAL16326
Method ID: MJ257

Instrument ID: GC21
Column Name: ZB-1

#	FileID	File Location	Acquisition Date	Quantitation Date	Last Updated
1	294076	J:\GC21\DATA\070620F\0706F129.D	07/06/2020 18:11	07/07/2020 07:17	07/07/2020 08:05
2	294077	J:\GC21\DATA\070620F\0706F130.D	07/06/2020 18:34	07/07/2020 07:19	07/07/2020 08:05
3	294078	J:\GC21\DATA\070620F\0706F131.D	07/06/2020 18:56	07/07/2020 07:20	07/07/2020 08:05
4	294079	J:\GC21\DATA\070620F\0706F132.D	07/06/2020 19:19	07/07/2020 07:21	07/07/2020 08:05
5	294080	J:\GC21\DATA\070620F\0706F133.D	07/06/2020 19:41	07/07/2020 07:22	07/07/2020 08:05
6	294081	J:\GC21\DATA\070620F\0706F134.D	07/06/2020 20:04	07/07/2020 07:23	07/07/2020 08:05
7	294082	J:\GC21\DATA\070620F\0706F146.D	07/07/2020 00:11	07/07/2020 07:35	07/07/2020 08:05
8	294083	J:\GC21\DATA\070620F\0706F147.D	07/07/2020 00:33	07/07/2020 07:36	07/07/2020 08:05
9	294084	J:\GC21\DATA\070620F\0706F148.D	07/07/2020 00:56	07/07/2020 07:36	07/07/2020 08:05
10	294085	J:\GC21\DATA\070620F\0706F149.D	07/07/2020 01:18	07/07/2020 07:38	07/07/2020 08:05
11	294086	J:\GC21\DATA\070620F\0706F150.D	07/07/2020 01:41	07/07/2020 07:39	07/07/2020 08:05
12	294088	J:\GC21\DATA\070620F\0706F157.D	07/07/2020 03:56	07/07/2020 07:47	07/07/2020 08:05
13	294089	J:\GC21\DATA\070620F\0706F158.D	07/07/2020 04:18	07/07/2020 07:48	07/07/2020 08:05
14	294090	J:\GC21\DATA\070620F\0706F159.D	07/07/2020 04:41	07/07/2020 07:49	07/07/2020 08:05
15	294091	J:\GC21\DATA\070620F\0706F160.D	07/07/2020 05:03	07/07/2020 07:50	07/07/2020 08:05
16	294092	J:\GC21\DATA\070620F\0706F161.D	07/07/2020 05:25	07/07/2020 07:52	07/07/2020 08:05
17	294094	J:\GC21\DATA\070620F\0706F167.D	07/07/2020 07:41	07/07/2020 07:58	07/07/2020 08:24
18	294095	J:\GC21\DATA\070620F\0706F168.D	07/07/2020 08:03	07/07/2020 08:23	07/07/2020 08:24

Parameter Name	#	Cal Amt	Calc Conc	% D	#	Cal Amt	Calc Conc	% D	#	Cal Amt	Calc Conc	% D
4-Bromofluorobenzene	1	1	1.107	10.7	2	2.5	2.905	16.2	3	10	9.748	-2.5
	4	25	24.43	-2.3	5	100	90.74	-9.3	6	250	217.9	-12.8

o-Terphenyl	1	1	1.114	11.4	2	2.5	2.913	16.5	3	10	9.815	-1.8
	4	25	24.63	-1.5	5	100	89.89	-10.1	6	250	213.8	-14.5

n-Triacontane	1	1	1.106	10.6	2	2.5	2.867	14.7	3	10	9.848	-1.5
	4	25	24.77	-0.9	5	100	90.32	-9.7	6	250	217.1	-13.2

C10 - C25 DRO	1	20	25.16	25.8	2	50	59.21	18.4	3	200	210.9	5.4
	4	500	485.3	-2.9	5	2000	1902	-4.9	6	5000	4317	-13.7

17	50000	41920	-16.2	18	20000	17600	-12.0
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Initial Calibration - Detailed Report

Calibration ID: CAL16326
Method ID: MJ257

Instrument ID: GC21
Column Name: ZB-1

Parameter Name	#	Cal Amt	Calc Conc	% D	#	Cal Amt	Calc Conc	% D	#	Cal Amt	Calc Conc	% D
Diesel Range Organics	1	20	26.05	30.2	2	50	60.64	21.3	3	200	208.8	4.4
	4	500	477.6	-4.5	5	2000	1874	-6.3	6	5000	4259	-14.8
					17	50000	41380	-17.2	18	20000	17380	-13.1
Diesel Range Organics (DRO)	1	20	18.79	-6.1	2	50	56.25	12.5	3	200	219.1	9.6
	4	500	516.0	3.2	5	2000	2045	2.2	6	5000	4648	-7.0
					17	50000	45320	-9.4	18	20000	19000	-5.0
Residual Range Organics (RRO)												
	7	50	49.41	-1.2	8	200	207.1	3.6	9	500	518.6	3.7
	10	2000	1959	-2.1	11	5000	4797	-4.1				
C25 - C36 RRO												
									12	50	53.18	6.4
	13	200	211.1	5.6	14	500	502.2	0.4	15	2000	1918	-4.1
	16	5000	4588	-8.2								

Initial Calibration - Detailed Report

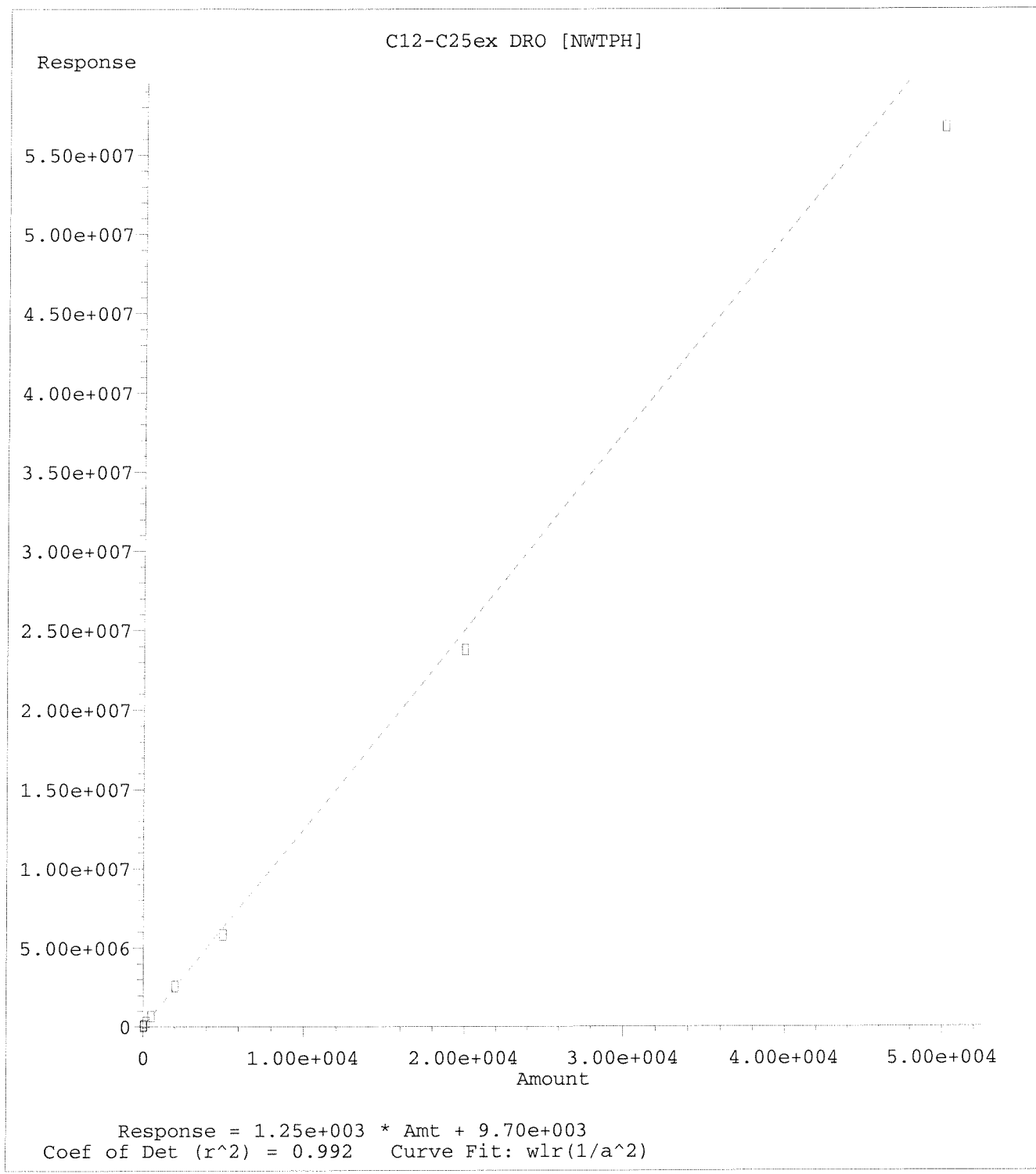
Calibration ID: CAL16326
Method ID: MJ257

Instrument ID: GC21
Column Name: ZB-1
Calibration Fit: Linear

FileID	File Location	Acquisition Date	Quantitation Date	Last Updated
294076	J:\GC21\DATA\070620F\0706F129.D	07/06/2020 18:11	07/07/2020 07:17	07/07/2020 08:05
294077	J:\GC21\DATA\070620F\0706F130.D	07/06/2020 18:34	07/07/2020 07:19	07/07/2020 08:05
294078	J:\GC21\DATA\070620F\0706F131.D	07/06/2020 18:56	07/07/2020 07:20	07/07/2020 08:05
294079	J:\GC21\DATA\070620F\0706F132.D	07/06/2020 19:19	07/07/2020 07:21	07/07/2020 08:05
294080	J:\GC21\DATA\070620F\0706F133.D	07/06/2020 19:41	07/07/2020 07:22	07/07/2020 08:05
294081	J:\GC21\DATA\070620F\0706F134.D	07/06/2020 20:04	07/07/2020 07:23	07/07/2020 08:05
294082	J:\GC21\DATA\070620F\0706F146.D	07/07/2020 00:11	07/07/2020 07:35	07/07/2020 08:05
294083	J:\GC21\DATA\070620F\0706F147.D	07/07/2020 00:33	07/07/2020 07:36	07/07/2020 08:05
294084	J:\GC21\DATA\070620F\0706F148.D	07/07/2020 00:56	07/07/2020 07:36	07/07/2020 08:05
294085	J:\GC21\DATA\070620F\0706F149.D	07/07/2020 01:18	07/07/2020 07:38	07/07/2020 08:05
294086	J:\GC21\DATA\070620F\0706F150.D	07/07/2020 01:41	07/07/2020 07:39	07/07/2020 08:05
294088	J:\GC21\DATA\070620F\0706F157.D	07/07/2020 03:56	07/07/2020 07:47	07/07/2020 08:05
294089	J:\GC21\DATA\070620F\0706F158.D	07/07/2020 04:18	07/07/2020 07:48	07/07/2020 08:05
294090	J:\GC21\DATA\070620F\0706F159.D	07/07/2020 04:41	07/07/2020 07:49	07/07/2020 08:05
294091	J:\GC21\DATA\070620F\0706F160.D	07/07/2020 05:03	07/07/2020 07:50	07/07/2020 08:05
294092	J:\GC21\DATA\070620F\0706F161.D	07/07/2020 05:25	07/07/2020 07:52	07/07/2020 08:05
294094	J:\GC21\DATA\070620F\0706F167.D	07/07/2020 07:41	07/07/2020 07:58	07/07/2020 08:24
294095	J:\GC21\DATA\070620F\0706F168.D	07/07/2020 08:03	07/07/2020 08:23	07/07/2020 08:24

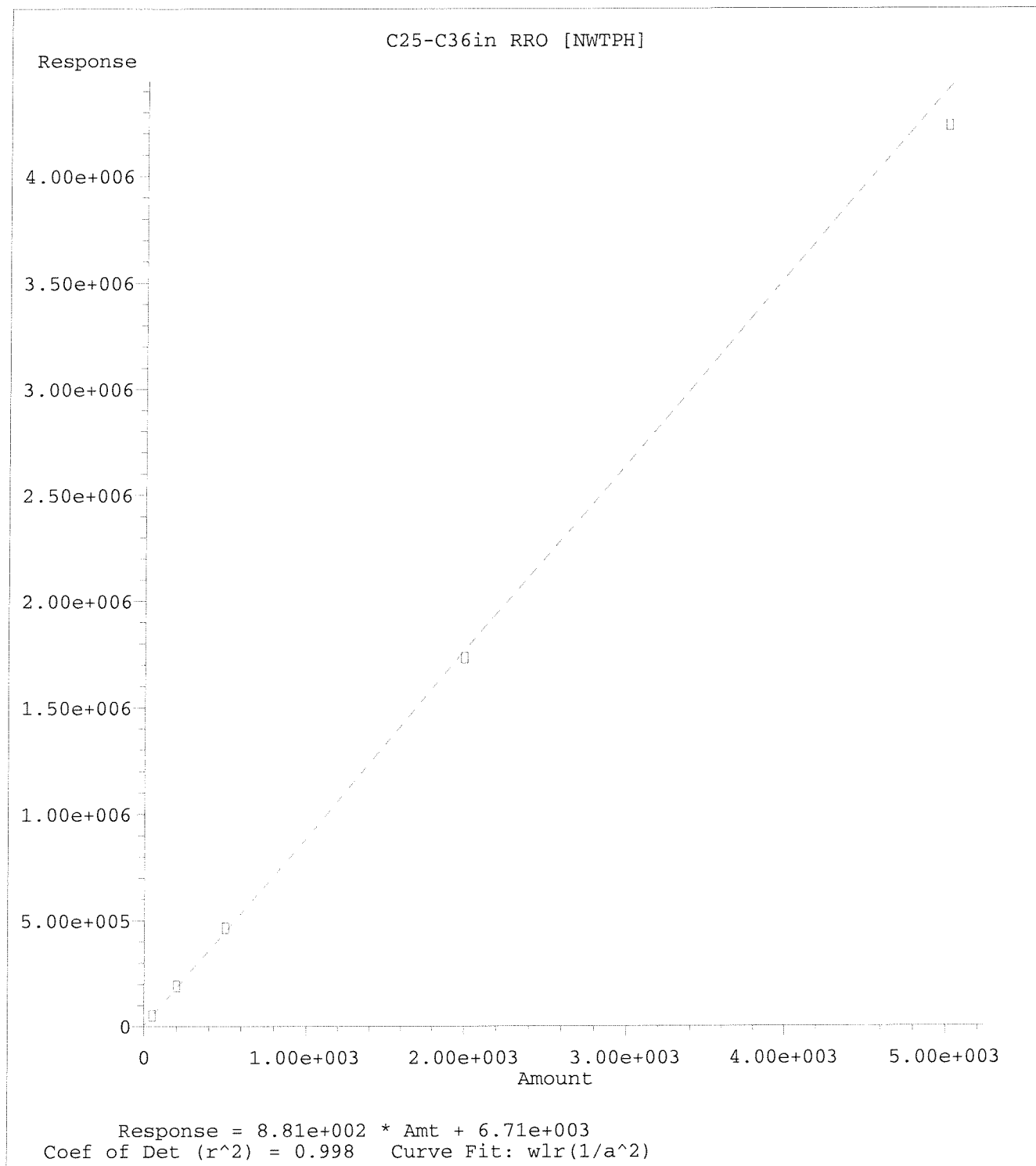
Parameter Name	CoefX2	CoefX	Y-intercept	COD	Mean RF
Diesel Range Organics (DRO)		1.25E+3	9.70E+3	0.9923	1.3E+3
Residual Range Organics (RRO)		8.81E+2	6.71E+3	0.9985	9.2E+2

LINEAR CHECK



Method Name: J:\GC21\METHODS\070620F.M
Calibration Table Last Updated: Tue Jul 07 08:23:36 2020

LINEAR CHECK



Method Name: J:\GC21\METHODS\070620F.M
Calibration Table Last Updated: Tue Jul 07 07:39:49 2020

Second Source Calibration Verification Summary

CalibrationID: CAL16326

Units: mg/L

Method ID: MJ257

Column: ZB-1

DataFile Location: J:\GC21\DATA\070620F\0706F170.D

Parameter Name	File ID	Curve Fit	Method Criteria	AveRF	SSV RF	% Diff	True Value	Sol'n Conc	% Drift
C10 - C25 DRO	294096	AverageRF	25	1.6E+3	1.4E+3	-13.3	1000.00	867.2	
Diesel Range Organics	294096	AverageRF	20	1.7E+3	1.4E+3	-15.1	1000.00	849.3	
Diesel Range Organics (DRO)	294096	AverageRF	15	1.3E+3	1.2E+3	-9.8	1000.00	902.3	
Residual Range Organics (RRO)	294087	AverageRF	15	9.2E+2	8.3E+2	-9.7	1000.00	902.9	
C25 - C36 RRO	294093	AverageRF	25	8.7E+2	9.1E+2	5.2	1000.00	1052.1	

Data File : J:\GC21\DATA\070620F\0706F128.D Vial: 86
Acq On : 06 Jul 2020 5:49 pm Operator: TAP
Sample : ICAL BLANK Inst : GC21
Misc : Multiplr: 1.00
IntFile : rteint.p
Quant Time: Jul 07 07:31:40 2020 Quant Results File: 070620F.RES

Quant Method : J:\GC21\METHODS\070620F.M (RTE Integrator)
Title : 8015/NWTPH/AK SVF MJ257 CAL16158
Last Update : Tue Jul 07 07:25:41 2020
Response via : Initial Calibration
DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
Signal Phase : ZB-1
Signal Info : 15m x 0.25mm x 1.0 um

Compound	R.T.	Response	Conc Units
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System Monitoring Compounds

Target Compounds

6) H	C10-C25ex DRO [AK102]	3.19	8115	5.101 ppm
7) H	C10-C28in DRO [8015]	3.19	10693	6.434 ppm
8) H	C12-C25ex DRO [NWTPH]	3.84	5544	4.143 ppm

Volume Inj. : 1 uL
Signal Phase : ZB-1
Signal Info : 15m x 0.25mm x 1.0 um



Data File : J:\GC21\DATA\070620F\0706F128.D

Acq On : 06 Jul 2020 5:49 pm

Sample : ICAL BLANK

Misc :

IntFile : rteint.p

Quant Time: Jul 7 7:31 2020 Quant Results File: 070620F.RES

Vial: 86

Operator: TAP

Inst : GC21

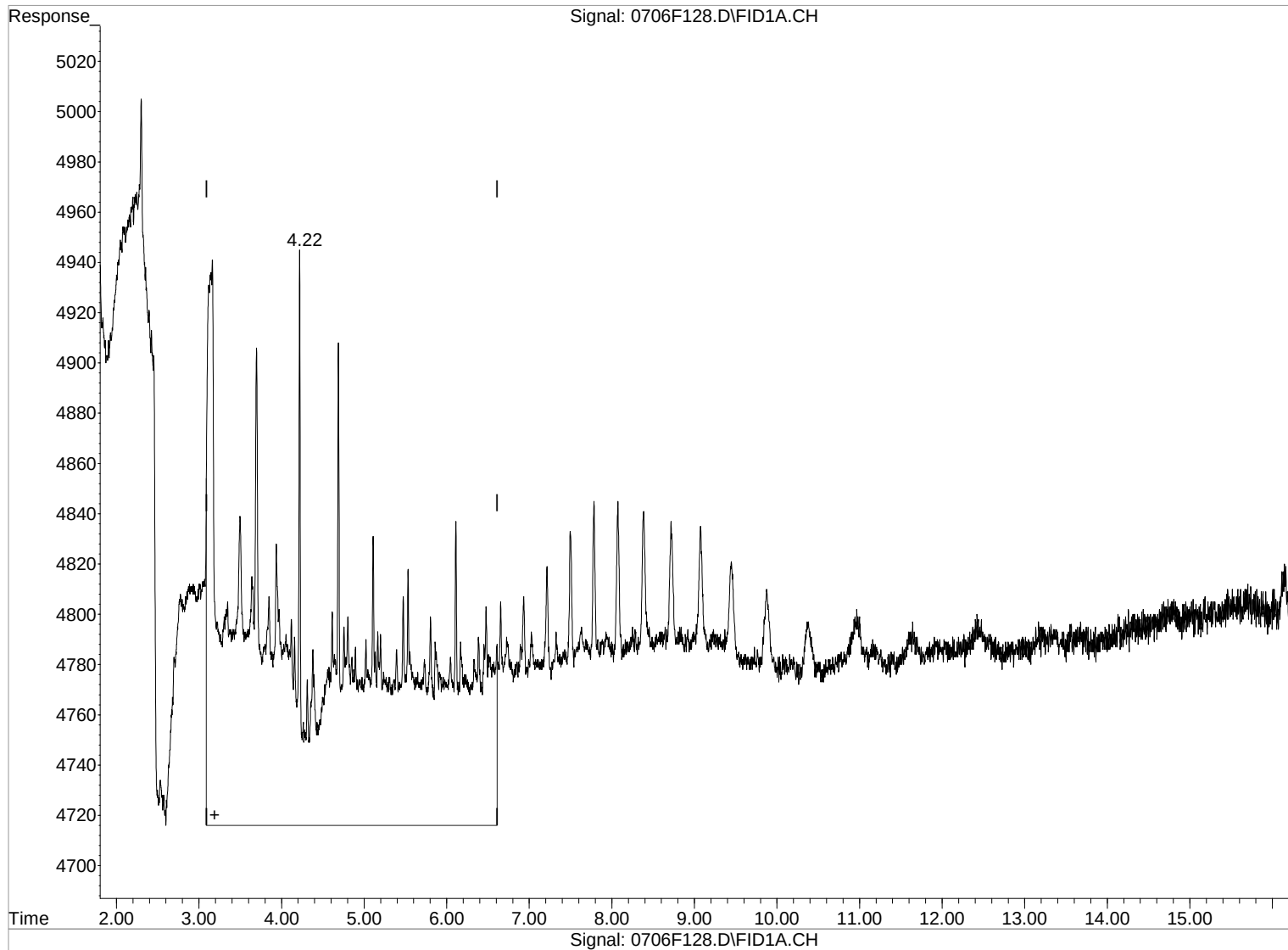
Multiplr: 1.00

Method : J:\GC21\METHODS\070620F.M (RTE Integrator)

Title : 8015/NWTPH/AK SVF MJ257 CAL16158

Last Update : Tue Jul 07 07:25:41 2020

Response via : Multiple Level Calibration



(6) C10-C25ex DRO [AK102] (H)

Manual Integration:

3.19min 9.303ppm

Before

response 14799

07/07/20

(+) = Expected Retention Time

Data File : J:\GC21\DATA\070620F\0706F128.D

Acq On : 06 Jul 2020 5:49 pm

Sample : ICAL BLANK

Misc :

IntFile : rteint.p

Quant Time: Jul 7 7:31 2020 Quant Results File: 070620F.RES

Vial: 86

Operator: TAP

Inst : GC21

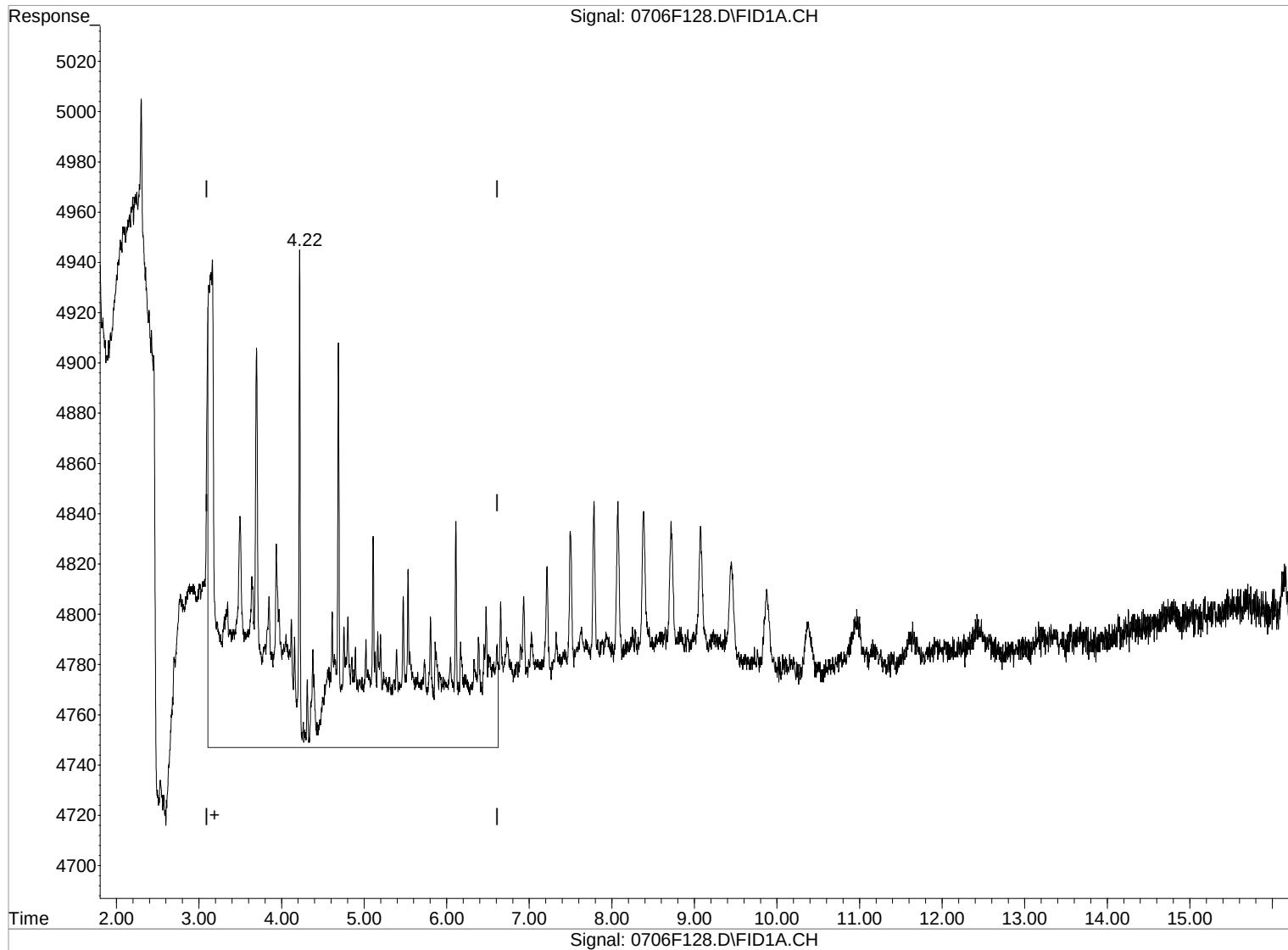
Multiplr: 1.00

Method : J:\GC21\METHODS\070620F.M (RTE Integrator)

Title : 8015/NWTPH/AK SVF MJ257 CAL16158

Last Update : Tue Jul 07 07:25:41 2020

Response via : Multiple Level Calibration



(6) C10-C25ex DRO [AK102] (H)

3.19min 5.101ppm

response 8115

Manual Integration:

After

Baseline/Shoulder

07/07/20

(+) = Expected Retention Time

Data File : J:\GC21\DATA\070620F\0706F128.D

Acq On : 06 Jul 2020 5:49 pm

Sample : ICAL BLANK

Misc :

IntFile : rteint.p

Quant Time: Jul 7 7:31 2020 Quant Results File: 070620F.RES

Vial: 86

Operator: TAP

Inst : GC21

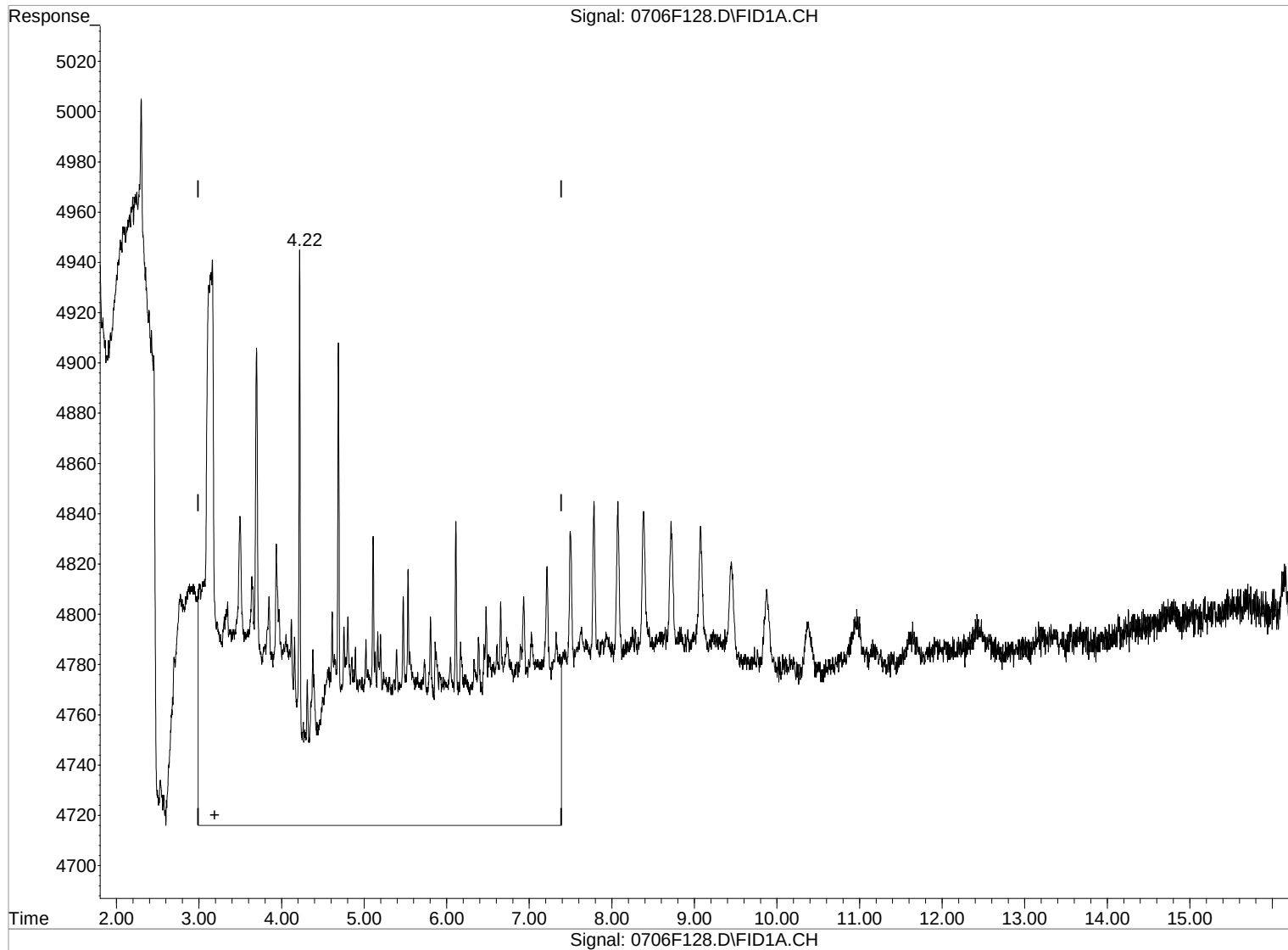
Multiplr: 1.00

Method : J:\GC21\METHODS\070620F.M (RTE Integrator)

Title : 8015/NWTPH/AK SVF MJ257 CAL16158

Last Update : Tue Jul 07 07:25:41 2020

Response via : Multiple Level Calibration



(7) C10-C28in DRO [8015] (H)

Manual Integration:

3.19min 11.160ppm

Before

response 18549

07/07/20

(+) = Expected Retention Time

Data File : J:\GC21\DATA\070620F\0706F128.D

Vial: 86

Acq On : 06 Jul 2020 5:49 pm

Operator: TAP

Sample : ICAL BLANK

Inst : GC21

Misc :

Multiplr: 1.00

IntFile : rteint.p

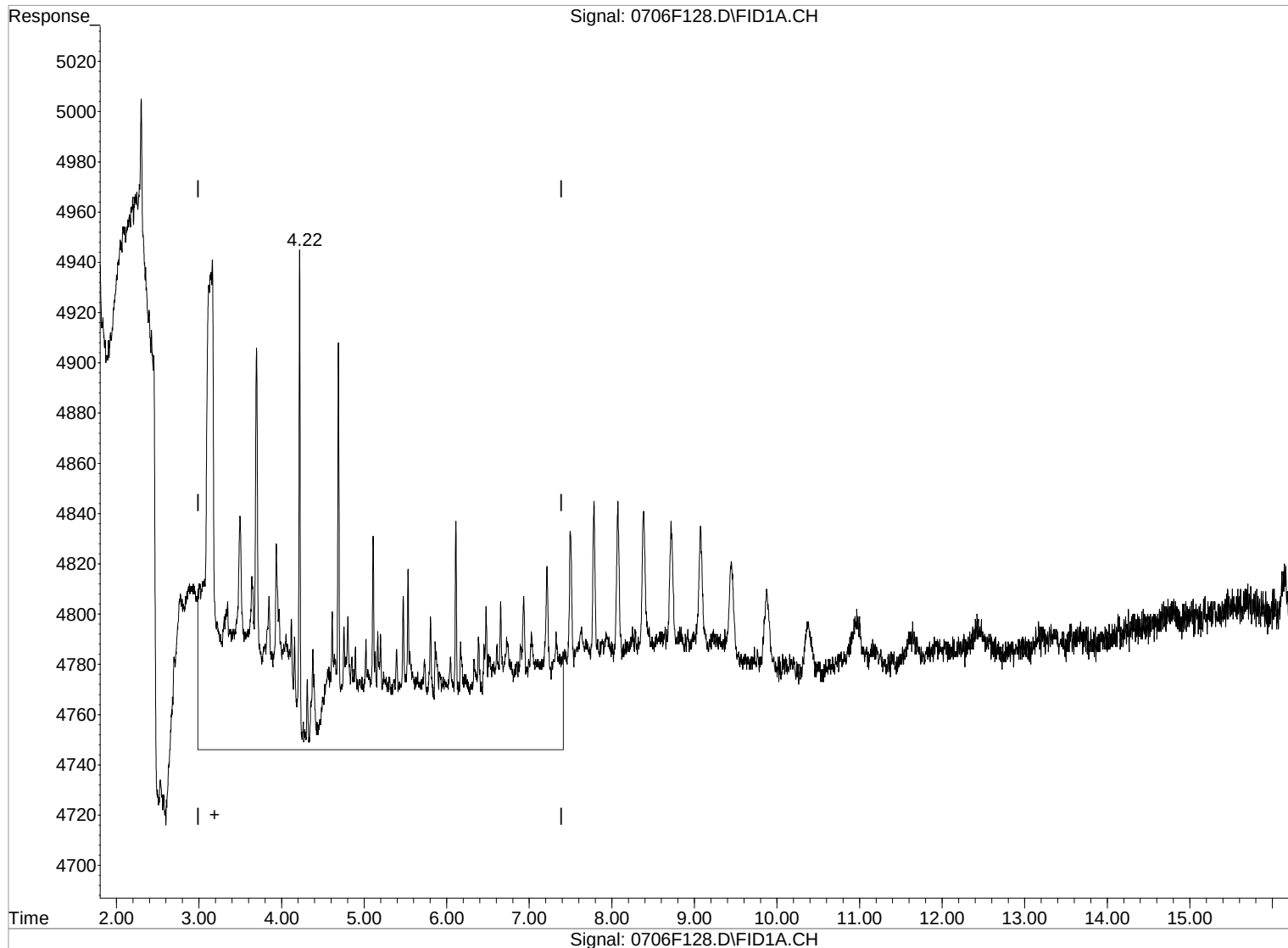
Quant Time: Jul 7 7:31 2020 Quant Results File: 070620F.RES

Method : J:\GC21\METHODS\070620F.M (RTE Integrator)

Title : 8015/NWTPH/AK SVF MJ257 CAL16158

Last Update : Tue Jul 07 07:25:41 2020

Response via : Multiple Level Calibration



(7) C10-C28in DRO [8015] (H)

Manual Integration:

3.19min 6.434ppm

After

response 10693

Baseline/Shoulder

07/07/20

(+) = Expected Retention Time

Data File : J:\GC21\DATA\070620F\0706F128.D

Vial: 86

Acq On : 06 Jul 2020 5:49 pm

Operator: TAP

Sample : ICAL BLANK

Inst : GC21

Misc :

Multiplr: 1.00

IntFile : rteint.p

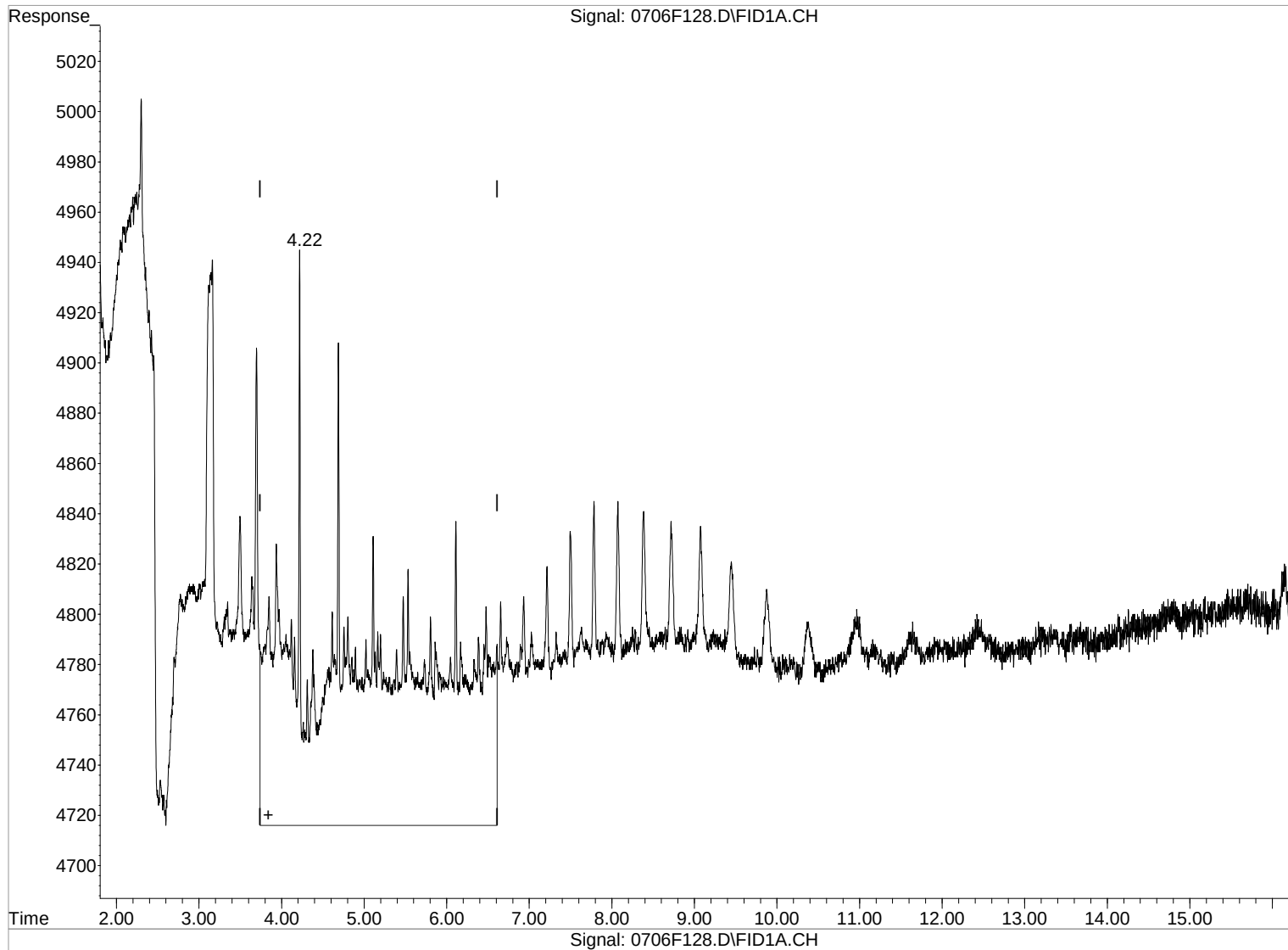
Quant Time: Jul 7 7:31 2020 Quant Results File: 070620F.RES

Method : J:\GC21\METHODS\070620F.M (RTE Integrator)

Title : 8015/NWTPH/AK SVF MJ257 CAL16158

Last Update : Tue Jul 07 07:25:41 2020

Response via : Multiple Level Calibration



(8) C12-C25ex DRO [NWTPH] (H)

Manual Integration:

3.84min 8.084ppm

Before

response 10818

07/07/20

(+) = Expected Retention Time

Data File : J:\GC21\DATA\070620F\0706F128.D

Acq On : 06 Jul 2020 5:49 pm

Sample : ICAL BLANK

Misc :

IntFile : rteint.p

Quant Time: Jul 7 7:31 2020 Quant Results File: 070620F.RES

Vial: 86

Operator: TAP

Inst : GC21

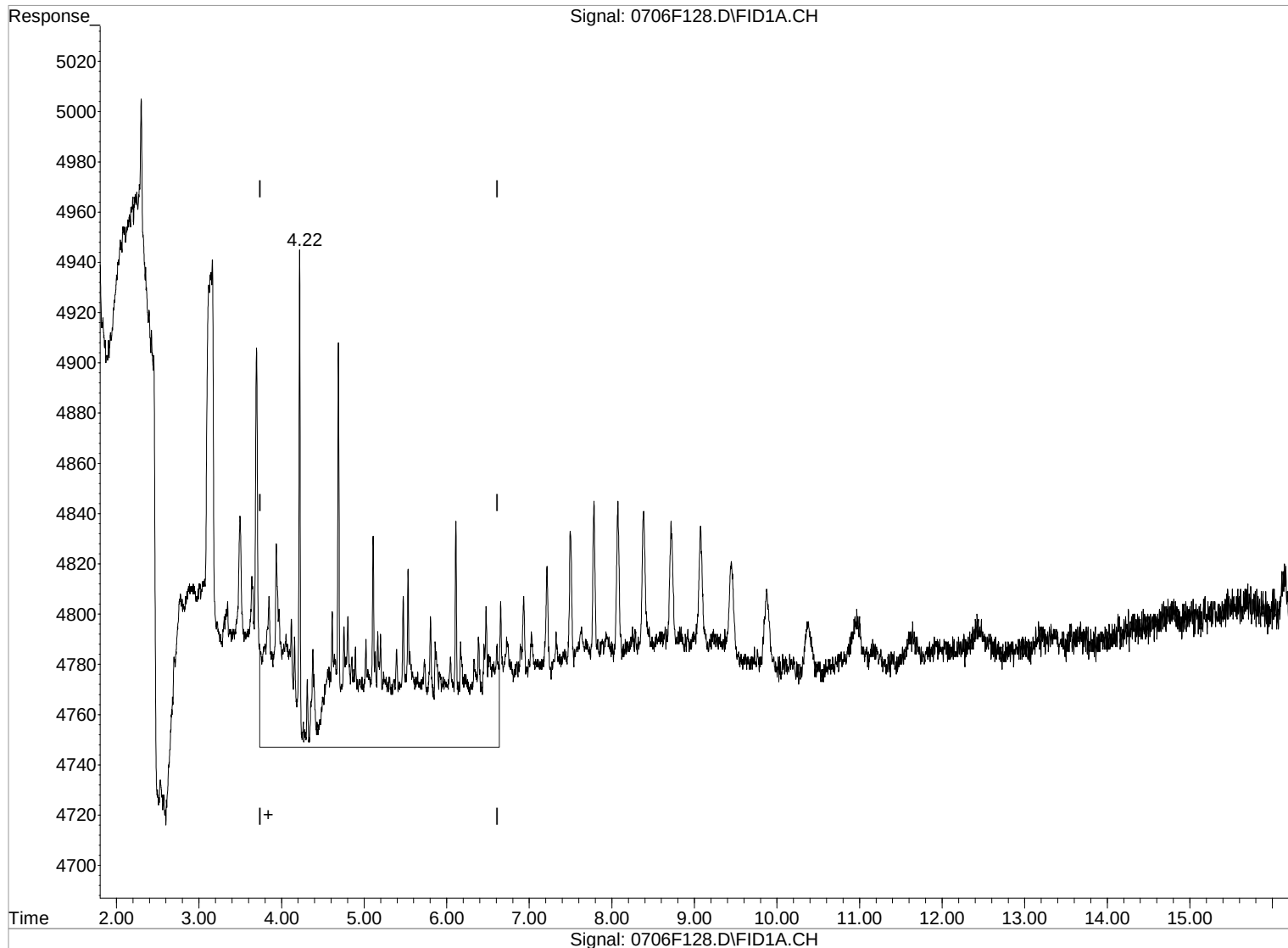
Multiplr: 1.00

Method : J:\GC21\METHODS\070620F.M (RTE Integrator)

Title : 8015/NWTPH/AK SVF MJ257 CAL16158

Last Update : Tue Jul 07 07:25:41 2020

Response via : Multiple Level Calibration



(8) C12-C25ex DRO [NWTPH] (H)

3.84min 4.143ppm

response 5544

Manual Integration:

After

Baseline/Shoulder

07/07/20

(+) = Expected Retention Time

0706F128.D 070620F.M Tue Jul 07 07:33 2020 Page 324 of 438

Data File : J:\GC21\DATA\070620F\0706F129.D Vial: 10
 Acq On : 06 Jul 2020 6:11 pm Operator: TAP
 Sample : DRO SVF02-93C 20/1.0 Inst : GC21
 Misc : Multiplr: 1.00
 IntFile : rteint.p
 Quant Time: Jul 07 07:16:17 2020 Quant Results File: 070620F.RES

Quant Method : J:\GC21\METHODS\070620F.M (RTE Integrator)
 Title : 8015/NWTPH/AK SVF MJ257 CAL16158
 Last Update : Tue Jul 07 07:15:56 2020
 Response via : Initial Calibration
 DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
 Signal Phase : ZB-1
 Signal Info : 15m x 0.25mm x 1.0 um

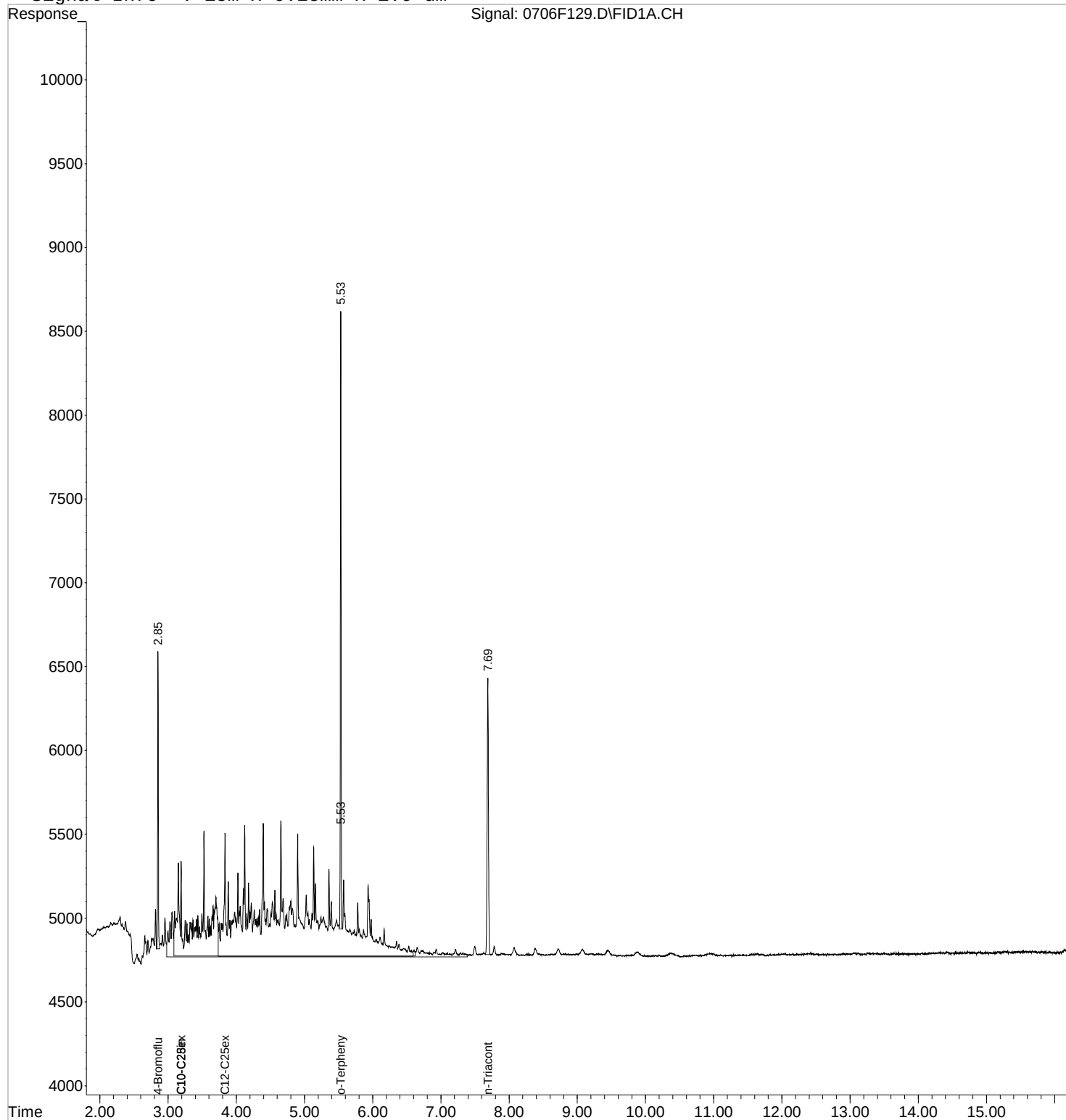
Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S 4-Bromofluorobenzene	2.85	1349	1.409 ppm
Spiked Amount 50.000	Recovery	=	2.82%
2) S o-Terphenyl	5.53	2747	1.436 ppm
Spiked Amount 50.000	Recovery	=	2.87%
3) S n-Triacontane	7.69	2235	1.474 ppm
Spiked Amount 50.000	Recovery	=	2.95%
Target Compounds			
6) H C10-C25ex DRO [AK102]	3.19	40257	22.353 ppm
7) H C10-C28in DRO [8015]	3.19	43549	23.367 ppm
8) H C12-C25ex DRO [NWTPH]	3.84	33219	22.091 ppm

Data File : J:\GC21\DATA\070620F\0706F129.D Vial: 10
Acq On : 06 Jul 2020 6:11 pm Operator: TAP
Sample : DRO SVF02-93C 20/1.0 Inst : GC21
Misc : Multiplr: 1.00
IntFile : rteint.p
Quant Time: Jul 7 7:17 2020 Quant Results File: 070620F.RES

Quant Method : J:\GC21\METHODS\070620F.M (RTE Integrator)
Title : 8015/NWTPH/AK SVF MJ257 CAL16158
Last Update : Tue Jul 07 07:15:56 2020
Response via : Single Level Calibration
DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
Signal Phase : ZB-1
Signal Info : 15m x 0.25mm x 1.0 um



Data File : J:\GC21\DATA\070620F\0706F129.D

Acq On : 06 Jul 2020 6:11 pm

Sample : DRO SVF02-93C 20/1.0

Misc :

IntFile : rteint.p

Quant Time: Jul 7 7:16 2020 Quant Results File: 070620F.RES

Vial: 10

Operator: TAP

Inst : GC21

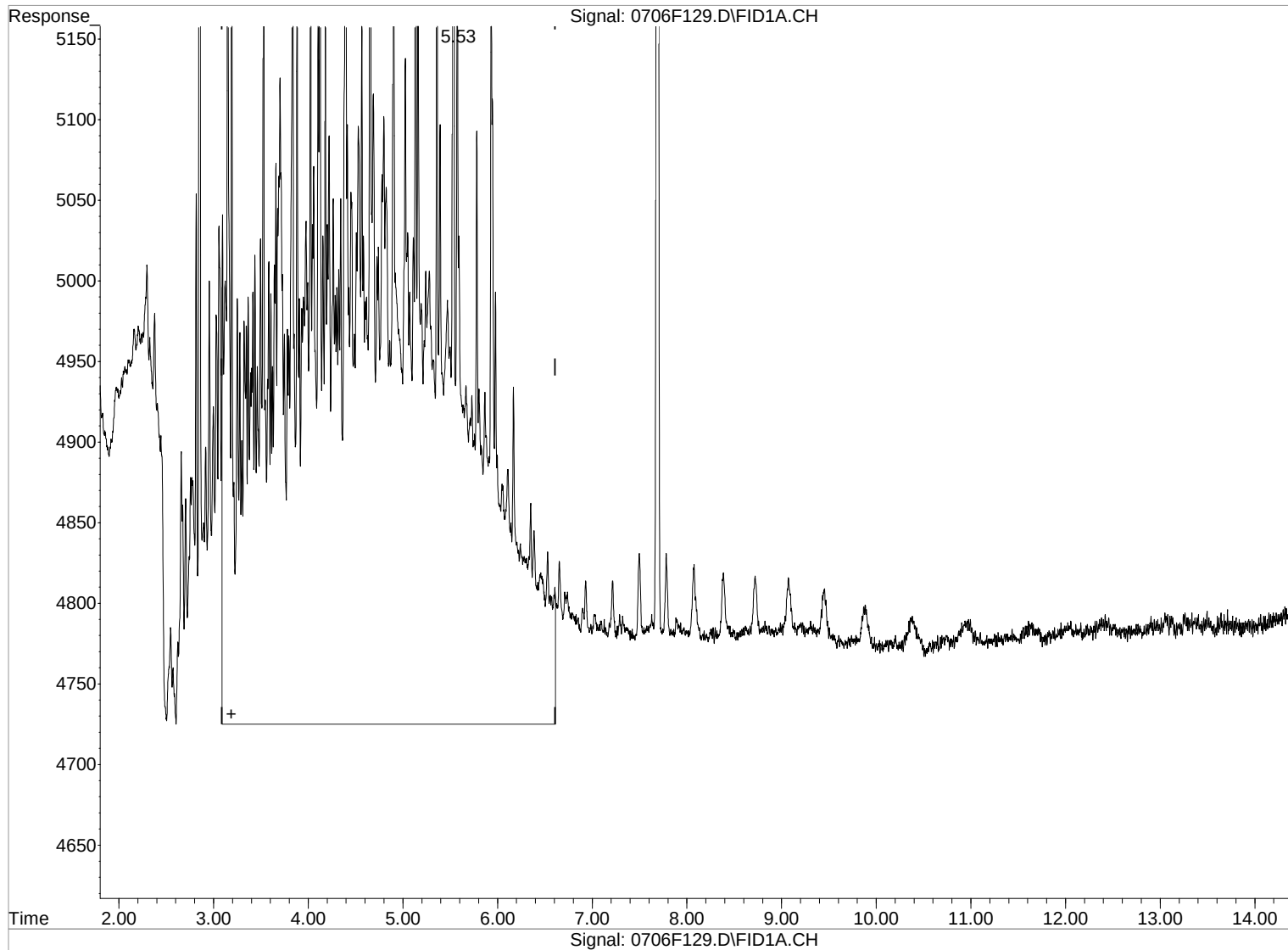
Multiplr: 1.00

Method : J:\GC21\METHODS\070620F.M (RTE Integrator)

Title : 8015/NWTPH/AK SVF MJ257 CAL16158

Last Update : Tue Jul 07 07:15:56 2020

Response via : Multiple Level Calibration



(6) C10-C25ex DRO [AK102] (H)

Manual Integration:

3.19min 28.050ppm

Before

response 50516

07/07/20

(+) = Expected Retention Time

Data File : J:\GC21\DATA\070620F\0706F129.D

Acq On : 06 Jul 2020 6:11 pm

Sample : DRO SVF02-93C 20/1.0

Misc :

IntFile : rteint.p

Quant Time: Jul 7 7:16 2020 Quant Results File: 070620F.RES

Vial: 10

Operator: TAP

Inst : GC21

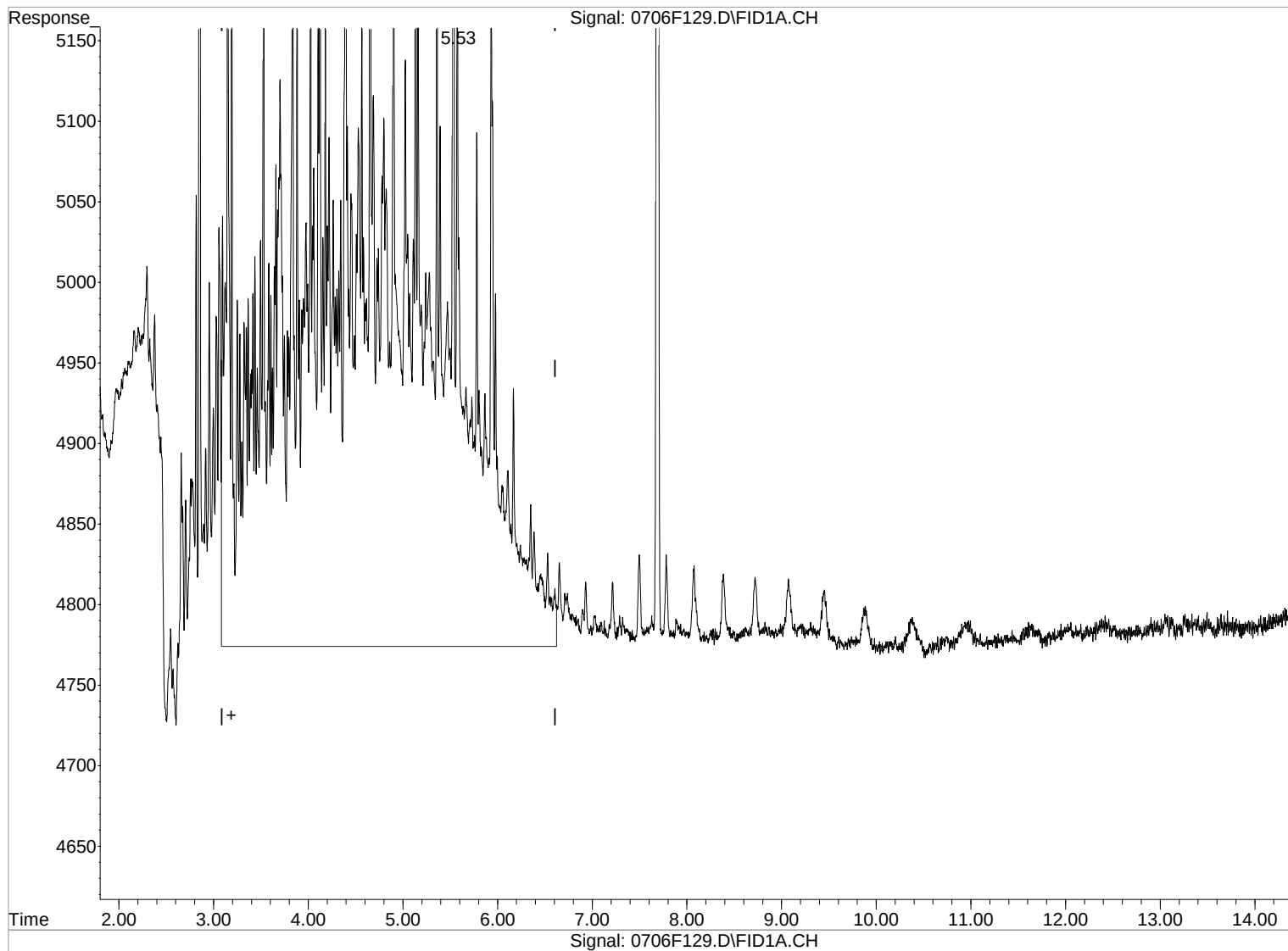
Multiplr: 1.00

Method : J:\GC21\METHODS\070620F.M (RTE Integrator)

Title : 8015/NWTPH/AK SVF MJ257 CAL16158

Last Update : Tue Jul 07 07:15:56 2020

Response via : Multiple Level Calibration



(6) C10-C25ex DRO [AK102] (H)

3.19min 22.353ppm

response 40257

Manual Integration:

After

Baseline/Shoulder

07/07/20

(+) = Expected Retention Time

Data File : J:\GC21\DATA\070620F\0706F129.D

Acq On : 06 Jul 2020 6:11 pm

Sample : DRO SVF02-93C 20/1.0

Misc :

IntFile : rteint.p

Quant Time: Jul 7 7:16 2020 Quant Results File: 070620F.RES

Vial: 10

Operator: TAP

Inst : GC21

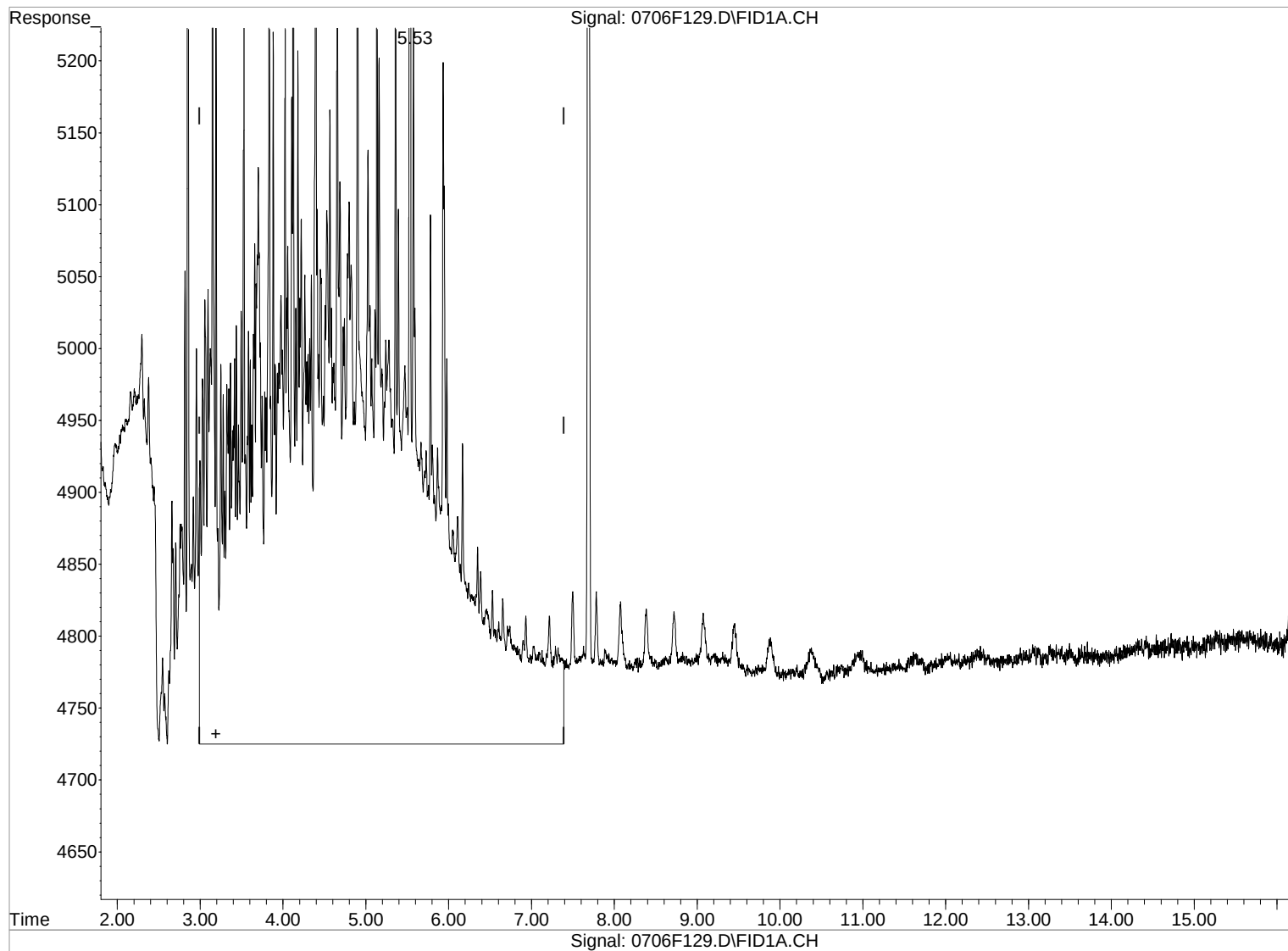
Multiplr: 1.00

Method : J:\GC21\METHODS\070620F.M (RTE Integrator)

Title : 8015/NWTPH/AK SVF MJ257 CAL16158

Last Update : Tue Jul 07 07:15:56 2020

Response via : Multiple Level Calibration



(7) C10-C28in DRO [8015] (H)

Manual Integration:

3.19min 29.423ppm

Before

response 54835

07/07/20

(+) = Expected Retention Time

0706F129.D 070620F.M Tue Jul 07 07:17:09 2020

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Data File : J:\GC21\DATA\070620F\0706F129.D

Acq On : 06 Jul 2020 6:11 pm

Sample : DRO SVF02-93C 20/1.0

Misc :

IntFile : rteint.p

Quant Time: Jul 7 7:16 2020 Quant Results File: 070620F.RES

Vial: 10

Operator: TAP

Inst : GC21

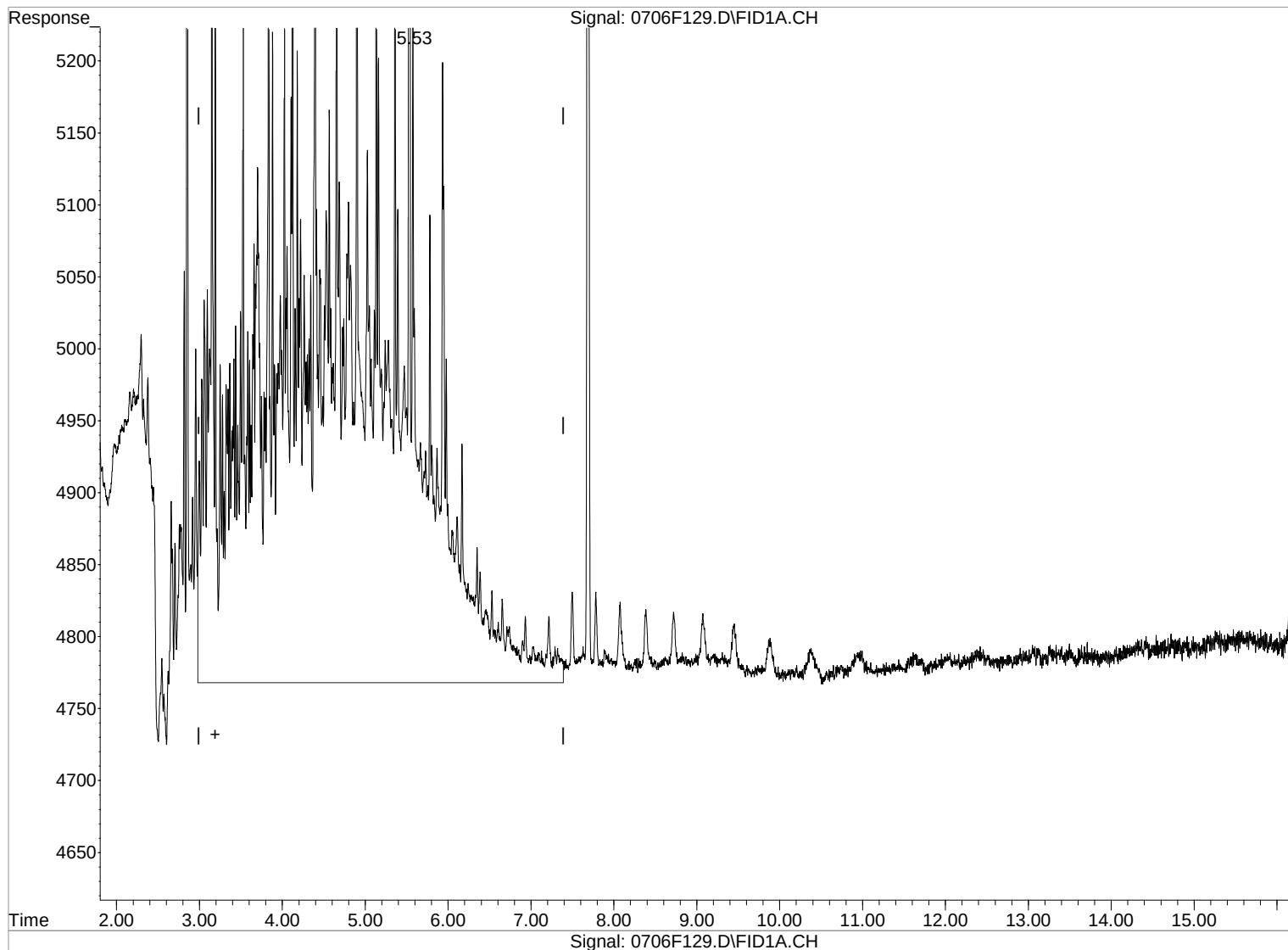
Multiplr: 1.00

Method : J:\GC21\METHODS\070620F.M (RTE Integrator)

Title : 8015/NWTPH/AK SVF MJ257 CAL16158

Last Update : Tue Jul 07 07:15:56 2020

Response via : Multiple Level Calibration



(7) C10-C28in DRO [8015] (H)

3.19min 23.367ppm

response 43549

Manual Integration:

After

Baseline/Shoulder

07/07/20

(+) = Expected Retention Time

Data File : J:\GC21\DATA\070620F\0706F129.D

Acq On : 06 Jul 2020 6:11 pm

Sample : DRO SVF02-93C 20/1.0

Misc :

IntFile : rteint.p

Quant Time: Jul 7 7:16 2020 Quant Results File: 070620F.RES

Vial: 10

Operator: TAP

Inst : GC21

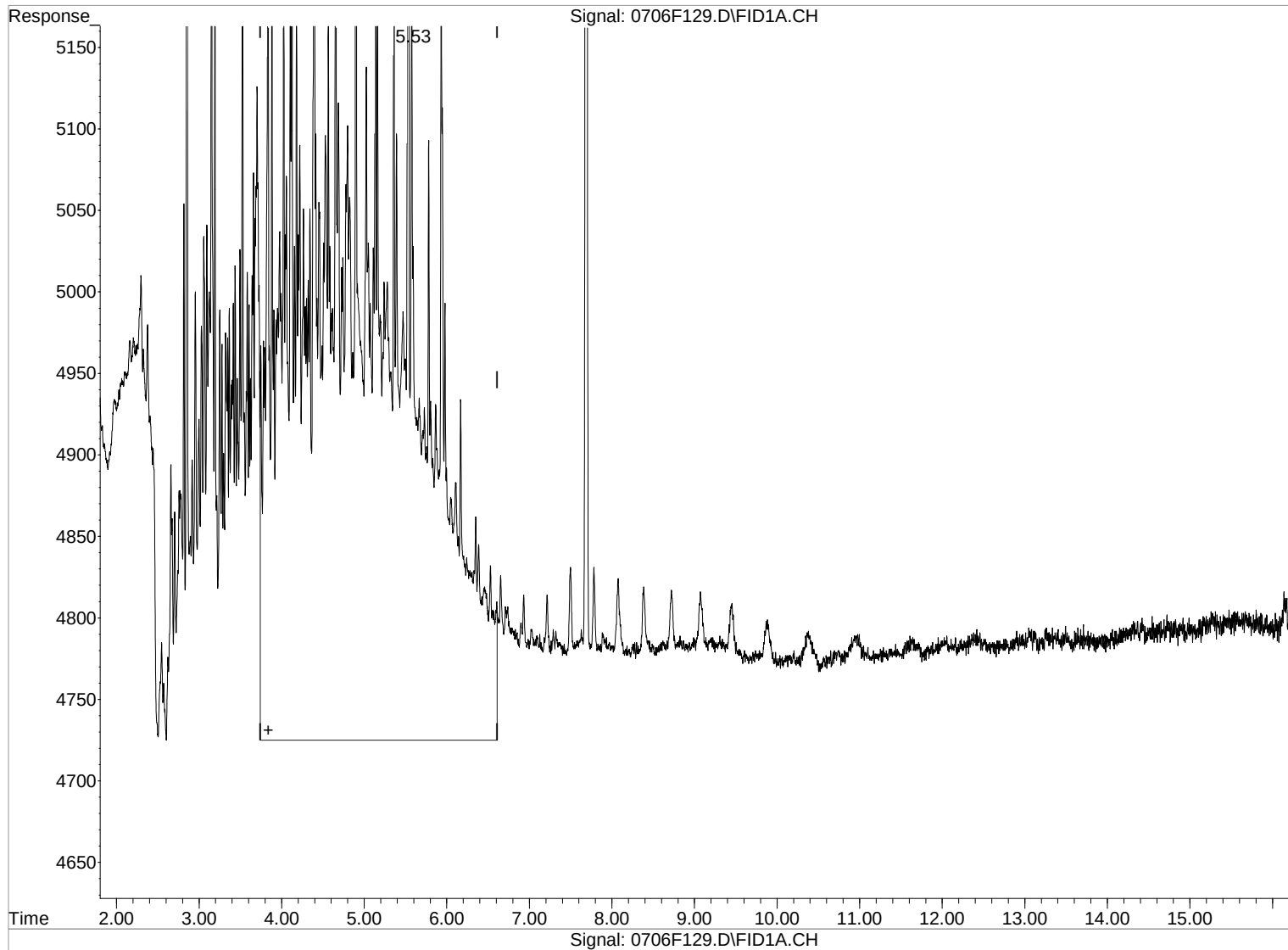
Multiplr: 1.00

Method : J:\GC21\METHODS\070620F.M (RTE Integrator)

Title : 8015/NWTPH/AK SVF MJ257 CAL16158

Last Update : Tue Jul 07 07:15:56 2020

Response via : Multiple Level Calibration



(8) C12-C25ex DRO [NWTPH] (H)

Manual Integration:

3.84min 27.342ppm

Before

response 41115

07/07/20

(+) = Expected Retention Time

0706F129.D 070620F.M Tue Jul 07 07:17:36 2020

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Data File : J:\GC21\DATA\070620F\0706F129.D

Acq On : 06 Jul 2020 6:11 pm

Sample : DRO SVF02-93C 20/1.0

Misc :

IntFile : rteint.p

Quant Time: Jul 7 7:16 2020 Quant Results File: 070620F.RES

Vial: 10

Operator: TAP

Inst : GC21

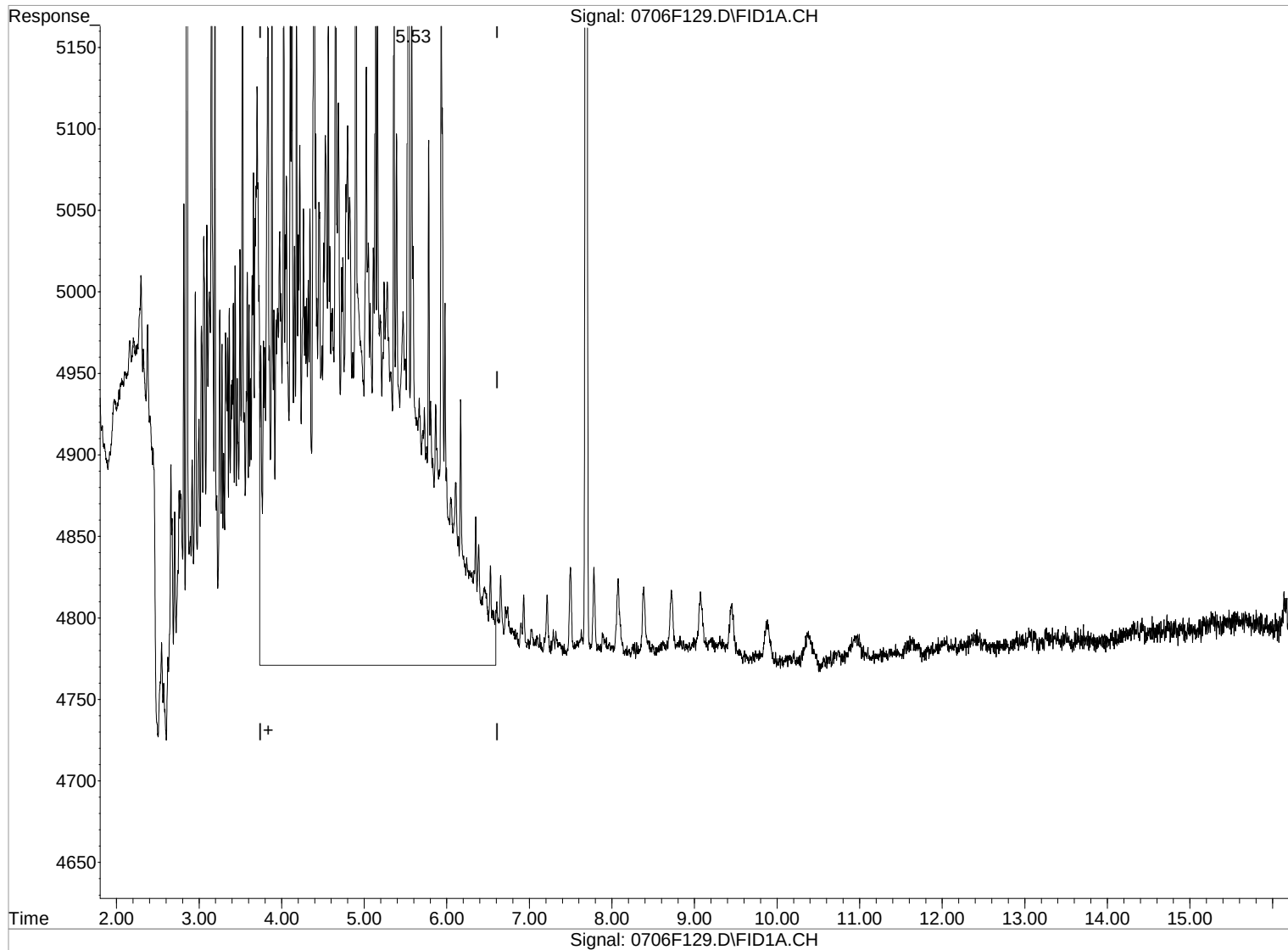
Multiplr: 1.00

Method : J:\GC21\METHODS\070620F.M (RTE Integrator)

Title : 8015/NWTPH/AK SVF MJ257 CAL16158

Last Update : Tue Jul 07 07:15:56 2020

Response via : Multiple Level Calibration



(8) C12-C25ex DRO [NWTPH] (H)

3.84min 22.091ppm

response 33219

Manual Integration:

After

Baseline/Shoulder

07/07/20

(+) = Expected Retention Time

0706F129.D 070620F.M Tue Jul 07 07:17:48 2020

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Data File : J:\GC21\DATA\070620F\0706F130.D Vial: 11
 Acq On : 06 Jul 2020 6:34 pm Operator: TAP
 Sample : DRO SVF02-93B 50/2.5 Inst : GC21
 Misc : Multiplr: 1.00
 IntFile : rteint.p
 Quant Time: Jul 07 07:17:56 2020 Quant Results File: 070620F.RES

Quant Method : J:\GC21\METHODS\070620F.M (RTE Integrator)
 Title : 8015/NWTPH/AK SVF MJ257 CAL16158
 Last Update : Tue Jul 07 07:15:56 2020
 Response via : Initial Calibration
 DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
 Signal Phase : ZB-1
 Signal Info : 15m x 0.25mm x 1.0 um

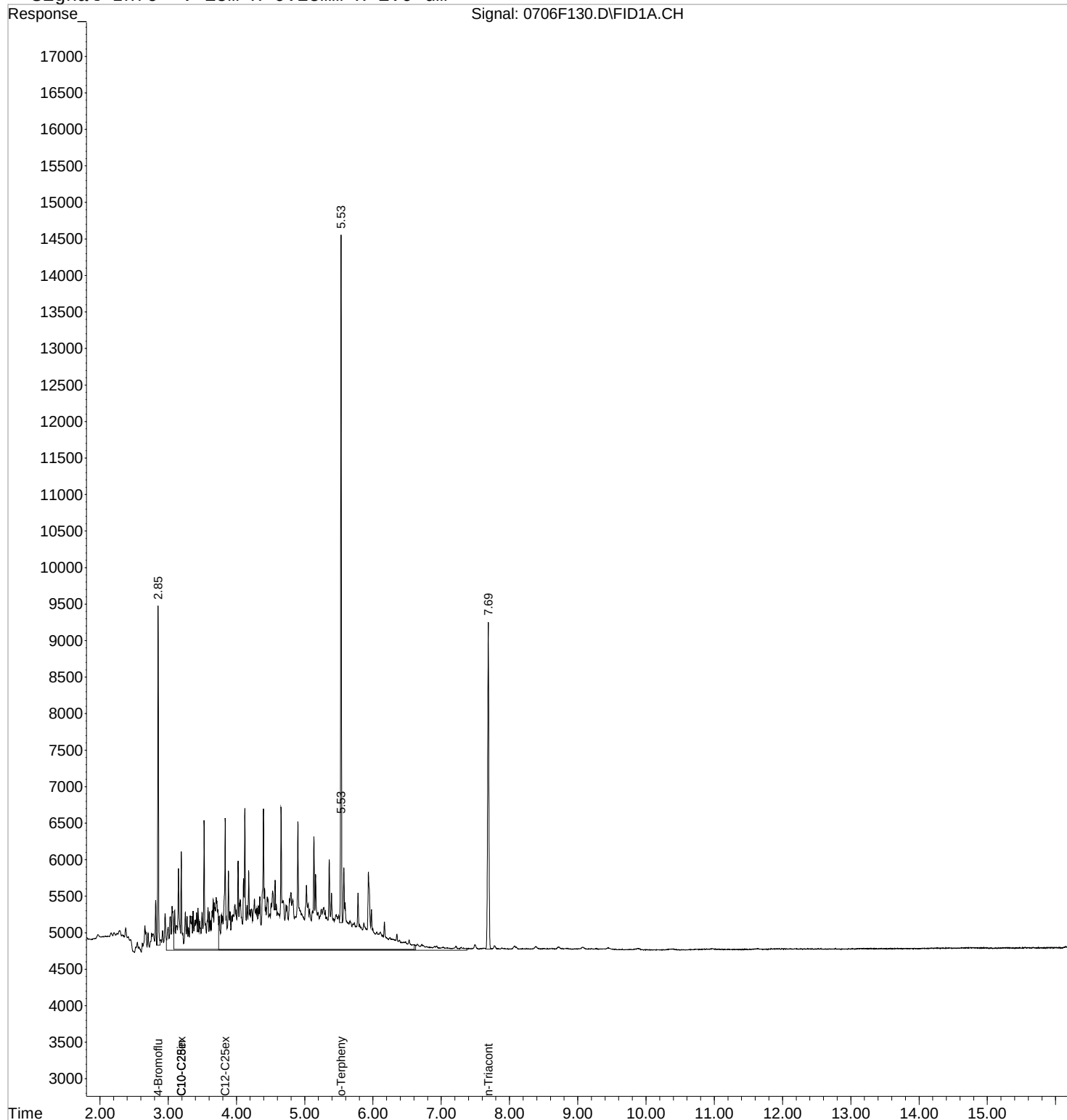
Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S 4-Bromofluorobenzene	2.85	3541	3.699 ppm
Spiked Amount 50.000	Recovery	=	7.40%
2) S o-Terphenyl	5.53	7185	3.756 ppm
Spiked Amount 50.000	Recovery	=	7.51%
3) S n-Triacontane	7.69	5796	3.823 ppm
Spiked Amount 50.000	Recovery	=	7.65%
Target Compounds			
6) H C10-C25ex DRO [AK102]	3.19	94755	52.614 ppm
7) H C10-C28in DRO [8015]	3.19	101389	54.403 ppm
8) H C12-C25ex DRO [NWTPH]	3.84	80115	53.277 ppm

Data File : J:\GC21\DATA\070620F\0706F130.D Vial: 11
Acq On : 06 Jul 2020 6:34 pm Operator: TAP
Sample : DR0 SVF02-93B 50/2.5 Inst : GC21
Misc : Multiplr: 1.00
IntFile : rteint.p
Quant Time: Jul 7 7:19 2020 Quant Results File: 070620F.RES

Quant Method : J:\GC21\METHODS\070620F.M (RTE Integrator)
Title : 8015/NWTPH/AK SVF MJ257 CAL16158
Last Update : Tue Jul 07 07:15:56 2020
Response via : Single Level Calibration
DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
Signal Phase : ZB-1
Signal Info : 15m x 0.25mm x 1.0 um



Data File : J:\GC21\DATA\070620F\0706F130.D

Vial: 11

Acq On : 06 Jul 2020 6:34 pm

Operator: TAP

Sample : DRO SVF02-93B 50/2.5

Inst : GC21

Misc :

Multiplr: 1.00

IntFile : rteint.p

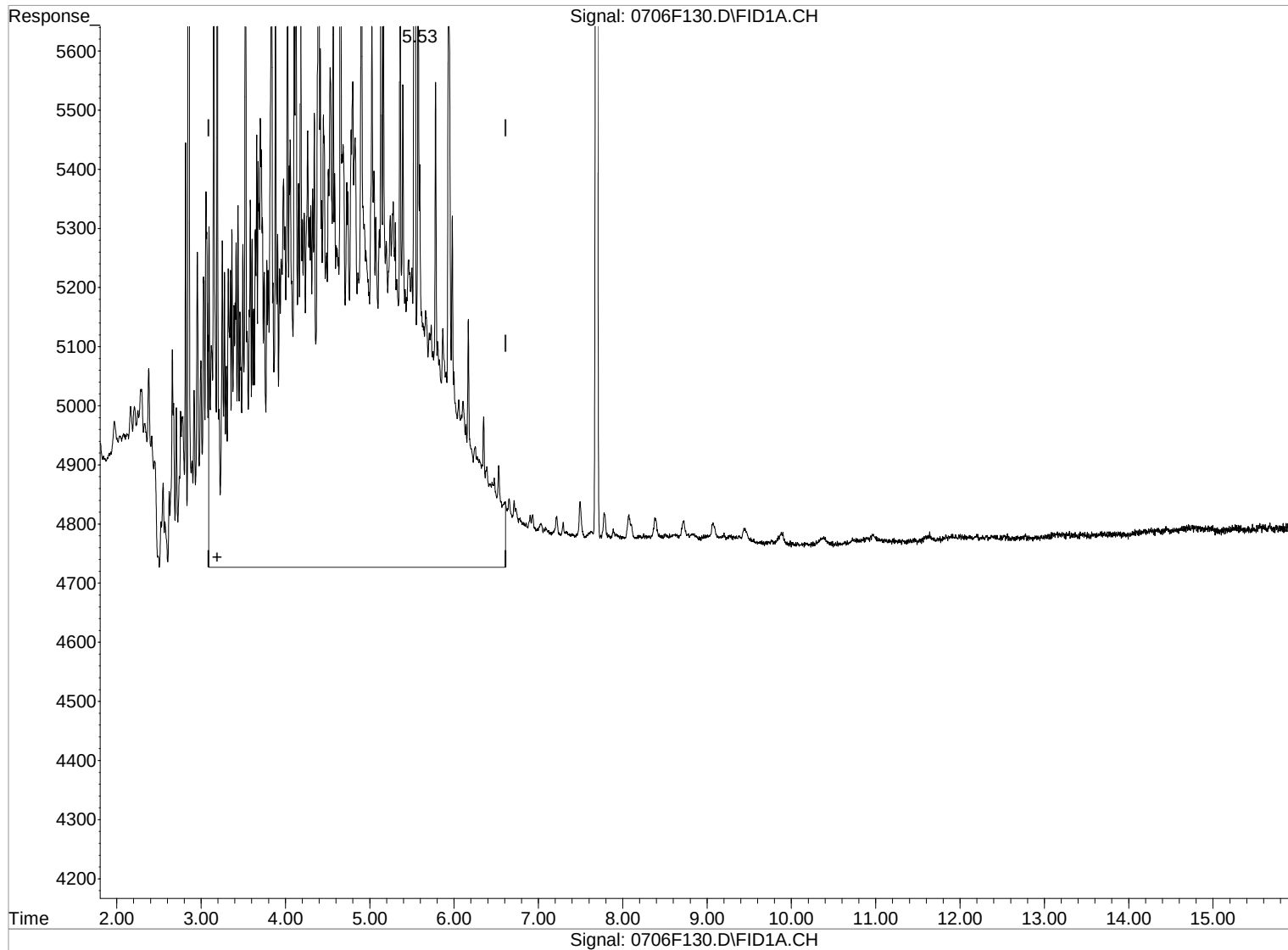
Quant Time: Jul 7 7:17 2020 Quant Results File: 070620F.RES

Method : J:\GC21\METHODS\070620F.M (RTE Integrator)

Title : 8015/NWTPH/AK SVF MJ257 CAL16158

Last Update : Tue Jul 07 07:15:56 2020

Response via : Multiple Level Calibration



(6) C10-C25ex DRO [AK102] (H)

Manual Integration:

3.19min 58.059ppm

Before

response 104562

07/07/20

(+) = Expected Retention Time

Data File : J:\GC21\DATA\070620F\0706F130.D

Acq On : 06 Jul 2020 6:34 pm

Sample : DRO SVF02-93B 50/2.5

Misc :

IntFile : rteint.p

Quant Time: Jul 7 7:17 2020 Quant Results File: 070620F.RES

Vial: 11

Operator: TAP

Inst : GC21

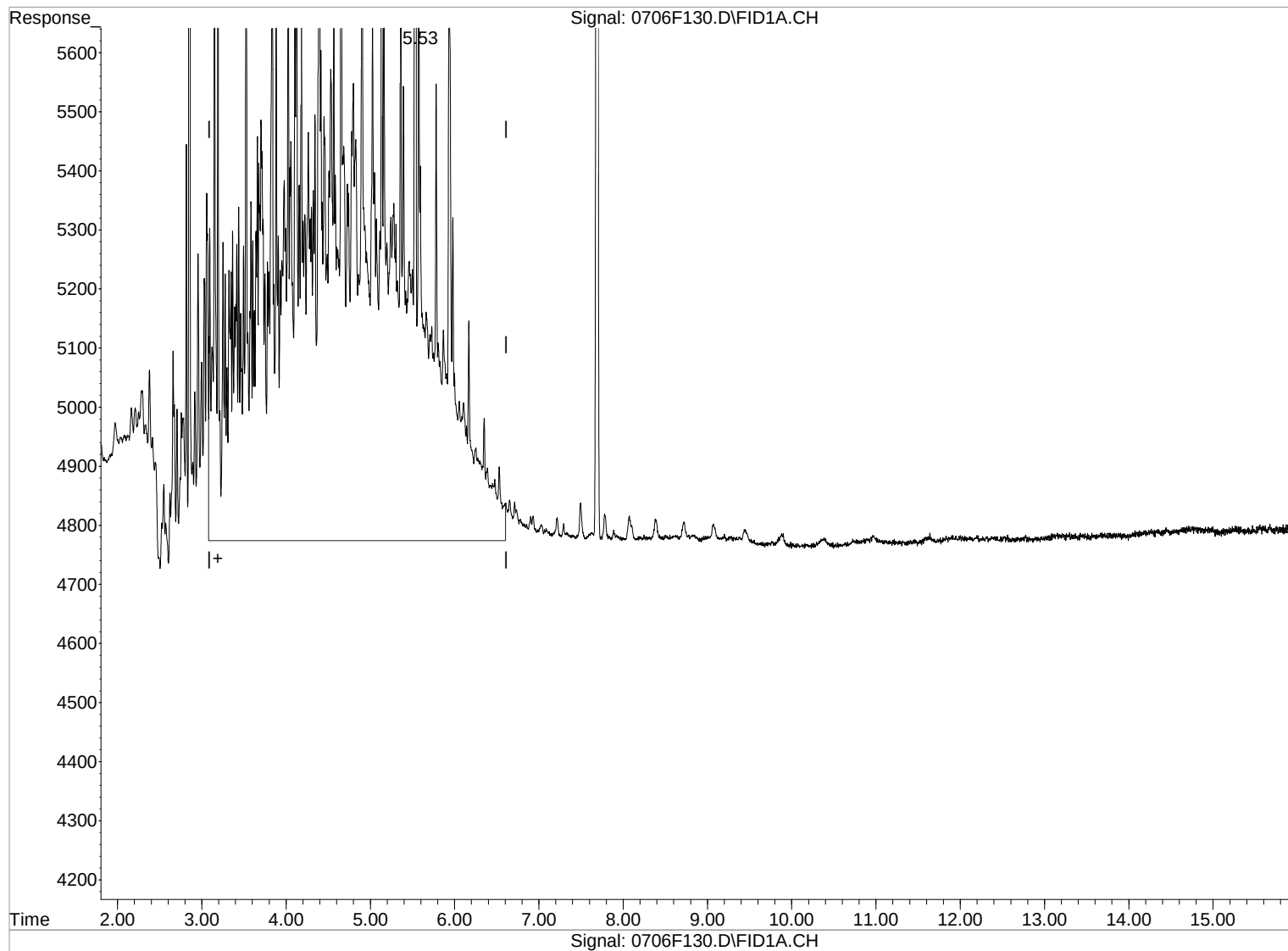
Multiplr: 1.00

Method : J:\GC21\METHODS\070620F.M (RTE Integrator)

Title : 8015/NWTPH/AK SVF MJ257 CAL16158

Last Update : Tue Jul 07 07:15:56 2020

Response via : Multiple Level Calibration



(6) C10-C25ex DRO [AK102] (H)

3.19min 52.614ppm

response 94755

Manual Integration:

After

Baseline/Shoulder

07/07/20

(+) = Expected Retention Time

0706F130.D 070620F.M Tue Jul 07 07:18:35 2020

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Data File : J:\GC21\DATA\070620F\0706F130.D

Acq On : 06 Jul 2020 6:34 pm

Sample : DRO SVF02-93B 50/2.5

Misc :

IntFile : rteint.p

Quant Time: Jul 7 7:17 2020 Quant Results File: 070620F.RES

Vial: 11

Operator: TAP

Inst : GC21

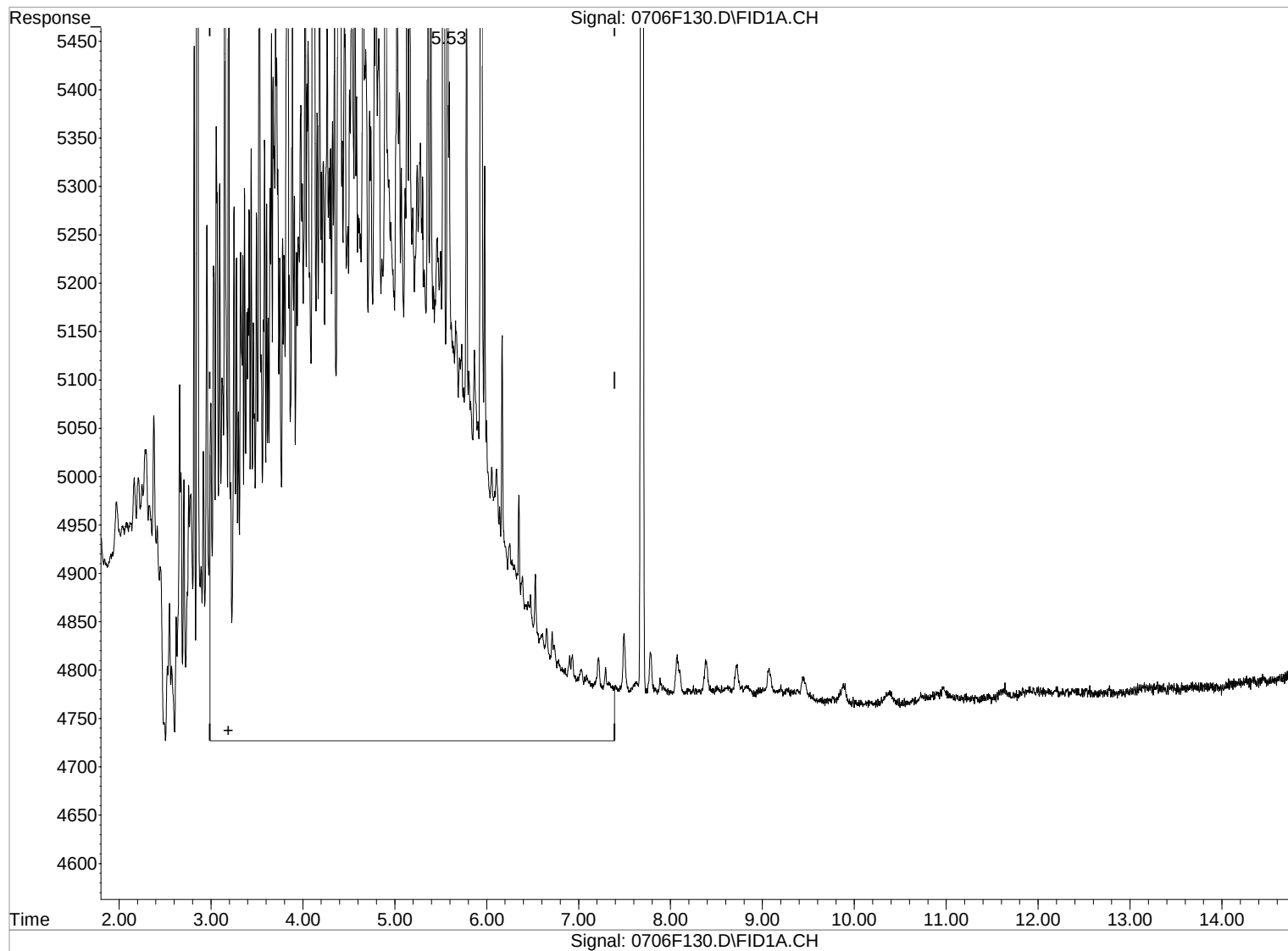
Multiplr: 1.00

Method : J:\GC21\METHODS\070620F.M (RTE Integrator)

Title : 8015/NWTPH/AK SVF MJ257 CAL16158

Last Update : Tue Jul 07 07:15:56 2020

Response via : Multiple Level Calibration



(7) C10-C28in DRO [8015] (H)

Manual Integration:

3.19min 59.140ppm

Before

response 110218

07/07/20

(+) = Expected Retention Time

Data File : J:\GC21\DATA\070620F\0706F130.D

Acq On : 06 Jul 2020 6:34 pm

Sample : DRO SVF02-93B 50/2.5

Misc :

IntFile : rteint.p

Quant Time: Jul 7 7:17 2020 Quant Results File: 070620F.RES

Vial: 11

Operator: TAP

Inst : GC21

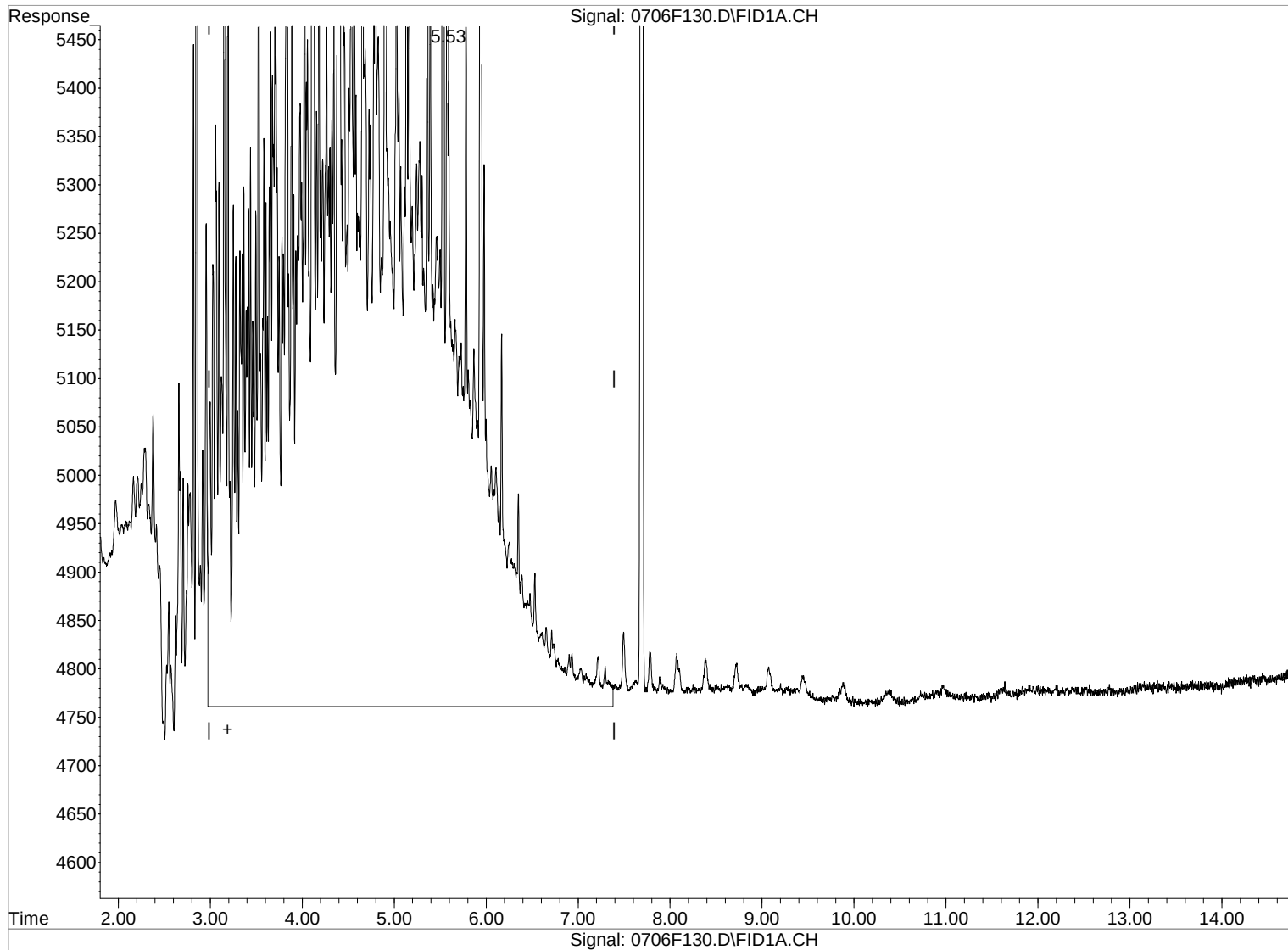
Multiplr: 1.00

Method : J:\GC21\METHODS\070620F.M (RTE Integrator)

Title : 8015/NWTPH/AK SVF MJ257 CAL16158

Last Update : Tue Jul 07 07:15:56 2020

Response via : Multiple Level Calibration



(7) C10-C28in DRO [8015] (H)

3.19min 54.403ppm

response 101389

Manual Integration:

After

Baseline/Shoulder

07/07/20

(+) = Expected Retention Time

Data File : J:\GC21\DATA\070620F\0706F130.D

Acq On : 06 Jul 2020 6:34 pm

Sample : DRO SVF02-93B 50/2.5

Misc :

IntFile : rteint.p

Quant Time: Jul 7 7:17 2020 Quant Results File: 070620F.RES

Vial: 11

Operator: TAP

Inst : GC21

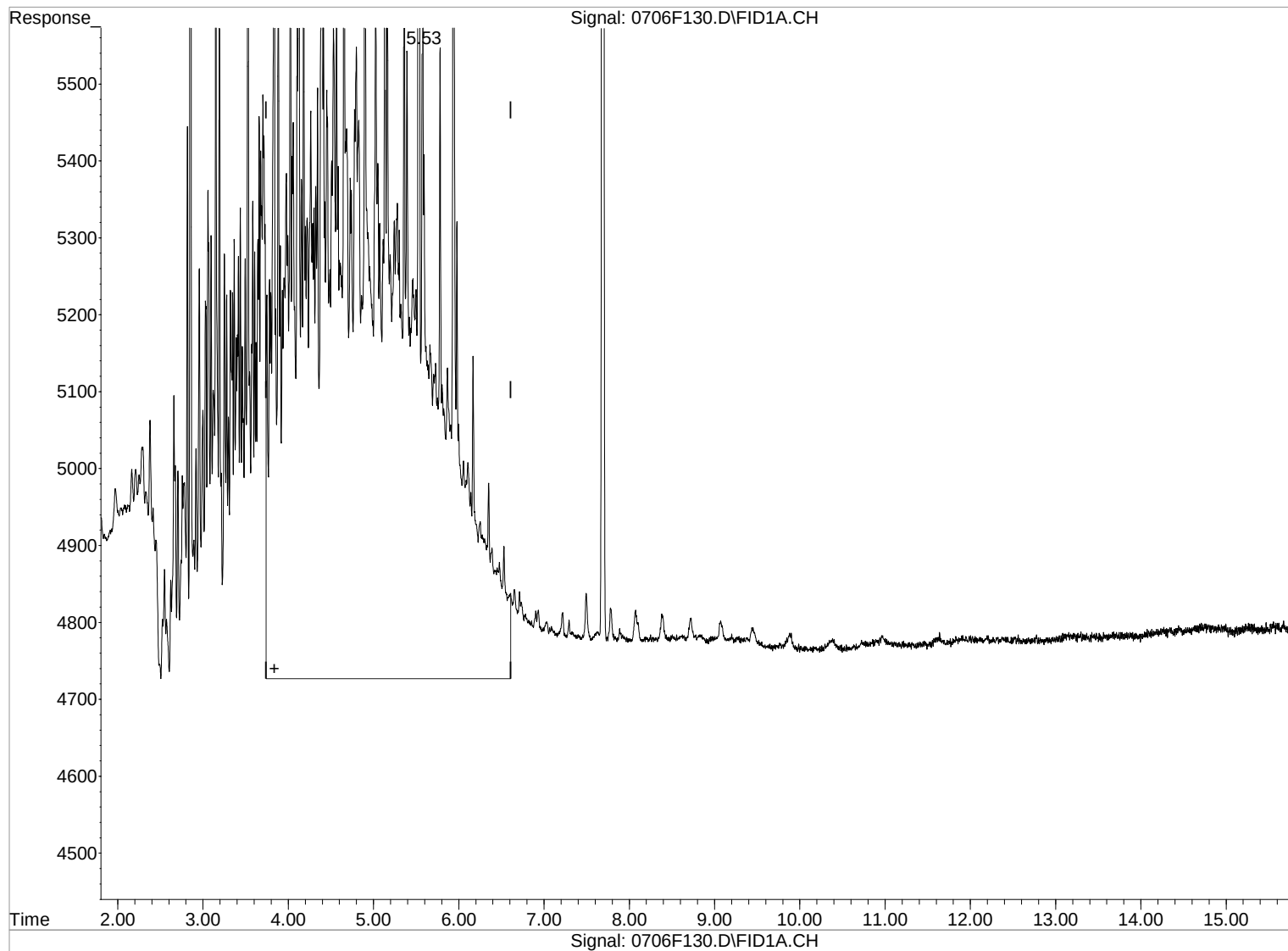
Multiplr: 1.00

Method : J:\GC21\METHODS\070620F.M (RTE Integrator)

Title : 8015/NWTPH/AK SVF MJ257 CAL16158

Last Update : Tue Jul 07 07:15:56 2020

Response via : Multiple Level Calibration



(8) C12-C25ex DRO [NWTPH] (H)

3.84min 57.702ppm

response 86769

Manual Integration:

Before

07/07/20

(+) = Expected Retention Time

0706F130.D 070620F.M Tue Jul 07 07:19 2020

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Data File : J:\GC21\DATA\070620F\0706F130.D

Acq On : 06 Jul 2020 6:34 pm

Sample : DRO SVF02-93B 50/2.5

Misc :

IntFile : rteint.p

Quant Time: Jul 7 7:17 2020 Quant Results File: 070620F.RES

Vial: 11

Operator: TAP

Inst : GC21

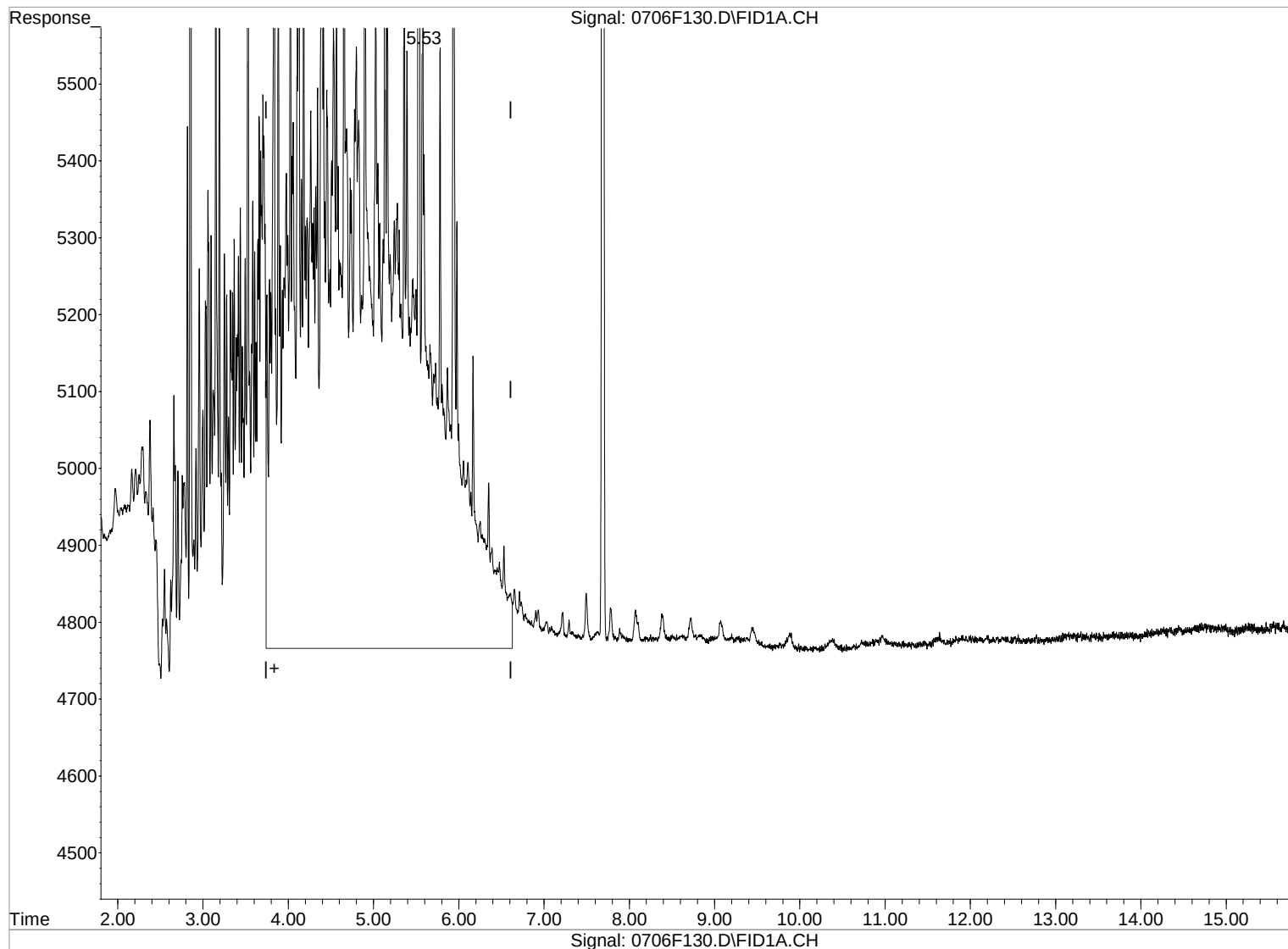
Multiplr: 1.00

Method : J:\GC21\METHODS\070620F.M (RTE Integrator)

Title : 8015/NWTPH/AK SVF MJ257 CAL16158

Last Update : Tue Jul 07 07:15:56 2020

Response via : Multiple Level Calibration



(8) C12-C25ex DRO [NWTPH] (H)

3.84min 53.277ppm

response 80115

Manual Integration:

After

Baseline/Shoulder

07/07/20

(+) = Expected Retention Time

Data File : J:\GC21\DATA\070620F\0706F131.D Vial: 12
 Acq On : 06 Jul 2020 6:56 pm Operator: TAP
 Sample : DRO SVF02-93A 200/10 Inst : GC21
 Misc : Multiplr: 1.00
 IntFile : rteint.p
 Quant Time: Jul 07 07:20:06 2020 Quant Results File: 070620F.RES

Quant Method : J:\GC21\METHODS\070620F.M (RTE Integrator)
 Title : 8015/NWTPH/AK SVF MJ257 CAL16158
 Last Update : Tue Jul 07 07:15:56 2020
 Response via : Initial Calibration
 DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
 Signal Phase : ZB-1
 Signal Info : 15m x 0.25mm x 1.0 um

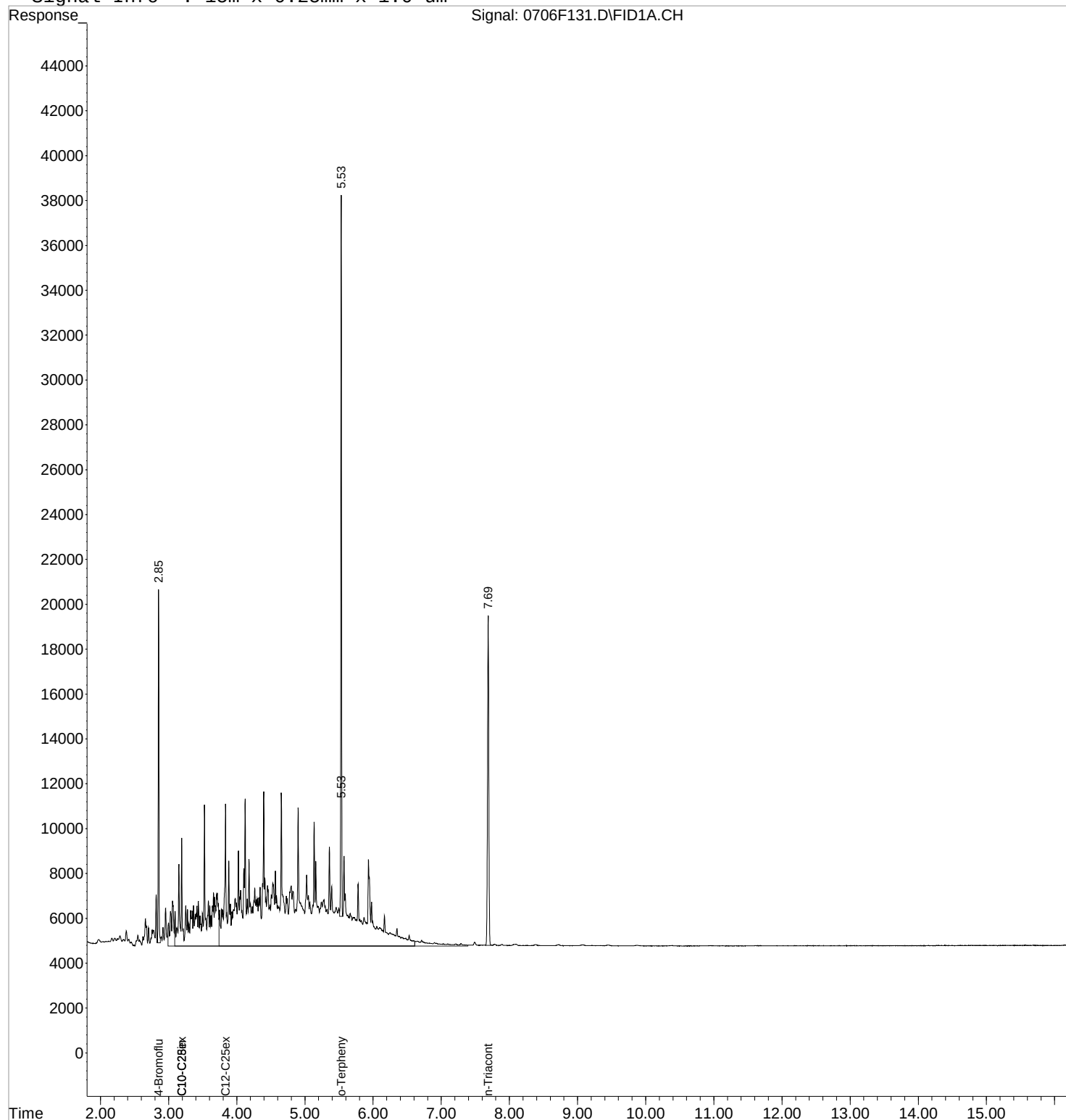
Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S 4-Bromofluorobenzene	2.85	11881	12.412 ppm
Spiked Amount 50.000	Recovery	=	24.82%
2) S o-Terphenyl	5.53	24208	12.655 ppm
Spiked Amount 50.000	Recovery	=	25.31%
3) S n-Triacontane	7.69	19907	13.131 ppm
Spiked Amount 50.000	Recovery	=	26.26%
Target Compounds			
6) H C10-C25ex DRO [AK102]	3.19	337489	187.395 ppm
7) H C10-C28in DRO [8015]	3.19	349076	187.305 ppm
8) H C12-C25ex DRO [NWTPH]	3.84	283992	188.856 ppm

Data File : J:\GC21\DATA\070620F\0706F131.D Vial: 12
Acq On : 06 Jul 2020 6:56 pm Operator: TAP
Sample : DR0 SVF02-93A 200/10 Inst : GC21
Misc : Multiplr: 1.00
IntFile : rteint.p
Quant Time: Jul 7 7:20 2020 Quant Results File: 070620F.RES

Quant Method : J:\GC21\METHODS\070620F.M (RTE Integrator)
Title : 8015/NWTPH/AK SVF MJ257 CAL16158
Last Update : Tue Jul 07 07:15:56 2020
Response via : Single Level Calibration
DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
Signal Phase : ZB-1
Signal Info : 15m x 0.25mm x 1.0 um



Data File : J:\GC21\DATA\070620F\0706F132.D Vial: 13
 Acq On : 06 Jul 2020 7:19 pm Operator: TAP
 Sample : DRO SVF02-92K 500/25 Inst : GC21
 Misc : Multiplr: 1.00
 IntFile : rteint.p
 Quant Time: Jul 07 07:20:44 2020 Quant Results File: 070620F.RES

Quant Method : J:\GC21\METHODS\070620F.M (RTE Integrator)
 Title : 8015/NWTPH/AK SVF MJ257 CAL16158
 Last Update : Tue Jul 07 07:15:56 2020
 Response via : Initial Calibration
 DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
 Signal Phase : ZB-1
 Signal Info : 15m x 0.25mm x 1.0 um

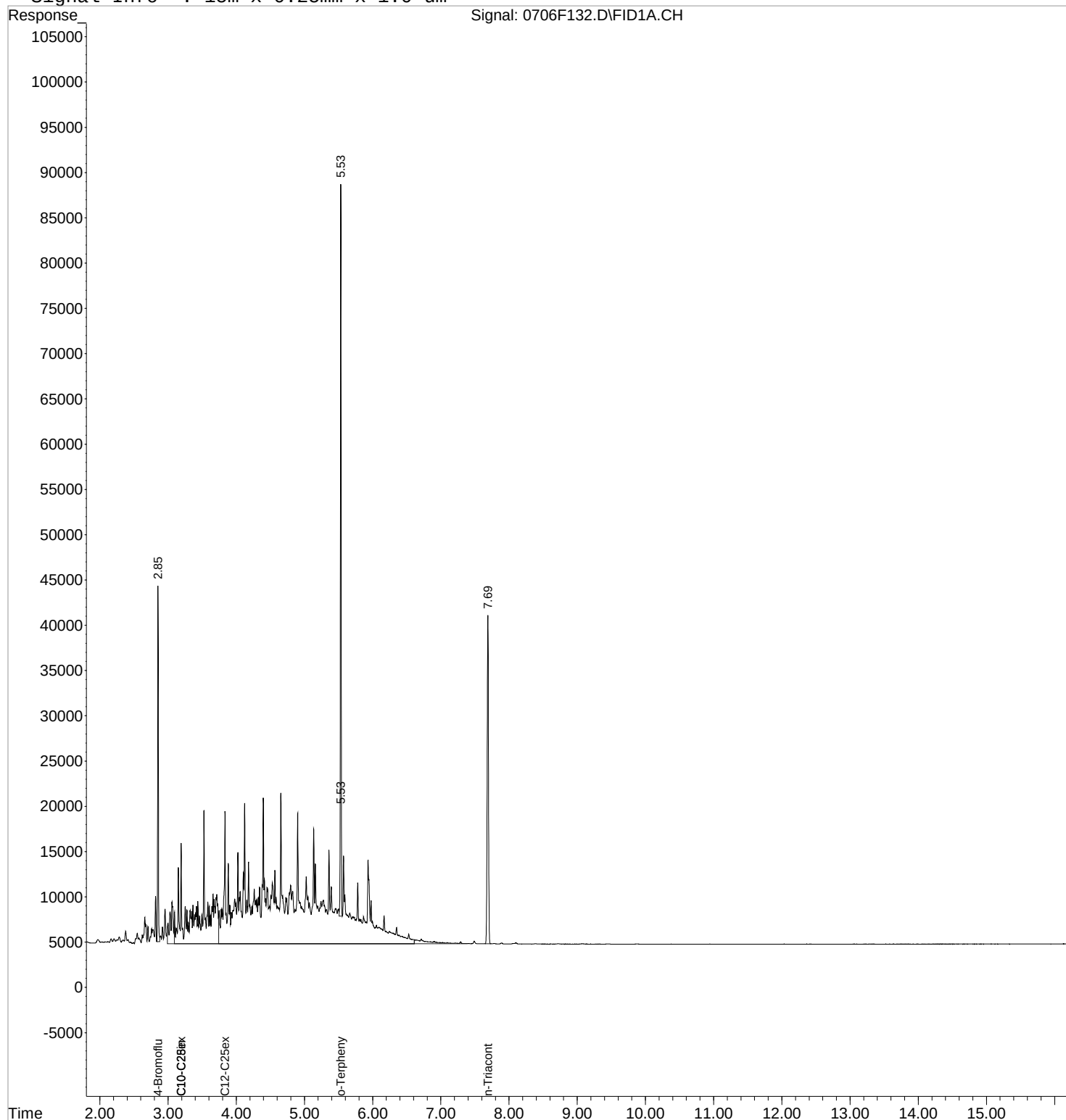
Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S 4-Bromofluorobenzene	2.85	29771	31.101 ppm
Spiked Amount 50.000	Recovery	=	62.20%
2) S o-Terphenyl	5.53	60749	31.757 ppm
Spiked Amount 50.000	Recovery	=	63.51%
3) S n-Triacontane	7.69	50077	33.032 ppm
Spiked Amount 50.000	Recovery	=	66.06%
Target Compounds			
6) H C10-C25ex DRO [AK102]	3.19	776581	431.207 ppm
7) H C10-C28in DRO [8015]	3.19	798545	428.479 ppm
8) H C12-C25ex DRO [NWTPH]	3.84	655625	435.995 ppm

Data File : J:\GC21\DATA\070620F\0706F132.D Vial: 13
Acq On : 06 Jul 2020 7:19 pm Operator: TAP
Sample : DR0 SVF02-92K 500/25 Inst : GC21
Misc : Multiplr: 1.00
IntFile : rteint.p
Quant Time: Jul 7 7:21 2020 Quant Results File: 070620F.RES

Quant Method : J:\GC21\METHODS\070620F.M (RTE Integrator)
Title : 8015/NWTPH/AK SVF MJ257 CAL16158
Last Update : Tue Jul 07 07:15:56 2020
Response via : Single Level Calibration
DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
Signal Phase : ZB-1
Signal Info : 15m x 0.25mm x 1.0 um



Data File : J:\GC21\DATA\070620F\0706F133.D Vial: 14
 Acq On : 06 Jul 2020 7:41 pm Operator: TAP
 Sample : DRO SVF02-92J 2000/100 Inst : GC21
 Misc : Multiplr: 1.00
 IntFile : rteint.p
 Quant Time: Jul 07 07:22:13 2020 Quant Results File: 070620F.RES

Quant Method : J:\GC21\METHODS\070620F.M (RTE Integrator)
 Title : 8015/NWTPH/AK SVF MJ257 CAL16158
 Last Update : Tue Jul 07 07:15:56 2020
 Response via : Initial Calibration
 DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
 Signal Phase : ZB-1
 Signal Info : 15m x 0.25mm x 1.0 um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S 4-Bromofluorobenzene	2.85	110596	115.537 ppm
Spiked Amount 50.000	Recovery	=	231.07%
2) S o-Terphenyl	5.53	221697	115.894 ppm
Spiked Amount 50.000	Recovery	=	231.79%
3) S n-Triacontane	7.69	182585	120.436 ppm
Spiked Amount 50.000	Recovery	=	240.87%
Target Compounds			
6) H C10-C25ex DRO [AK102]	3.19	3043581	1689.988 ppm
7) H C10-C28in DRO [8015]	3.19	3133673	1681.448 ppm
8) H C12-C25ex DRO [NWTPH]	3.84	2569140	1708.494 ppm

Data File : J:\GC21\DATA\070620F\0706F133.D

Vial: 14

Acq On : 06 Jul 2020 7:41 pm

Operator: TAP

Sample : DRO SVF02-92J 2000/100

Inst : GC21

Misc :

Multiplr: 1.00

IntFile : rteint.p

Quant Time: Jul 7 7:22 2020 Quant Results File: 070620F.RES

Quant Method : J:\GC21\METHODS\070620F.M (RTE Integrator)

Title : 8015/NWTPH/AK SVF MJ257 CAL16158

Last Update : Tue Jul 07 07:15:56 2020

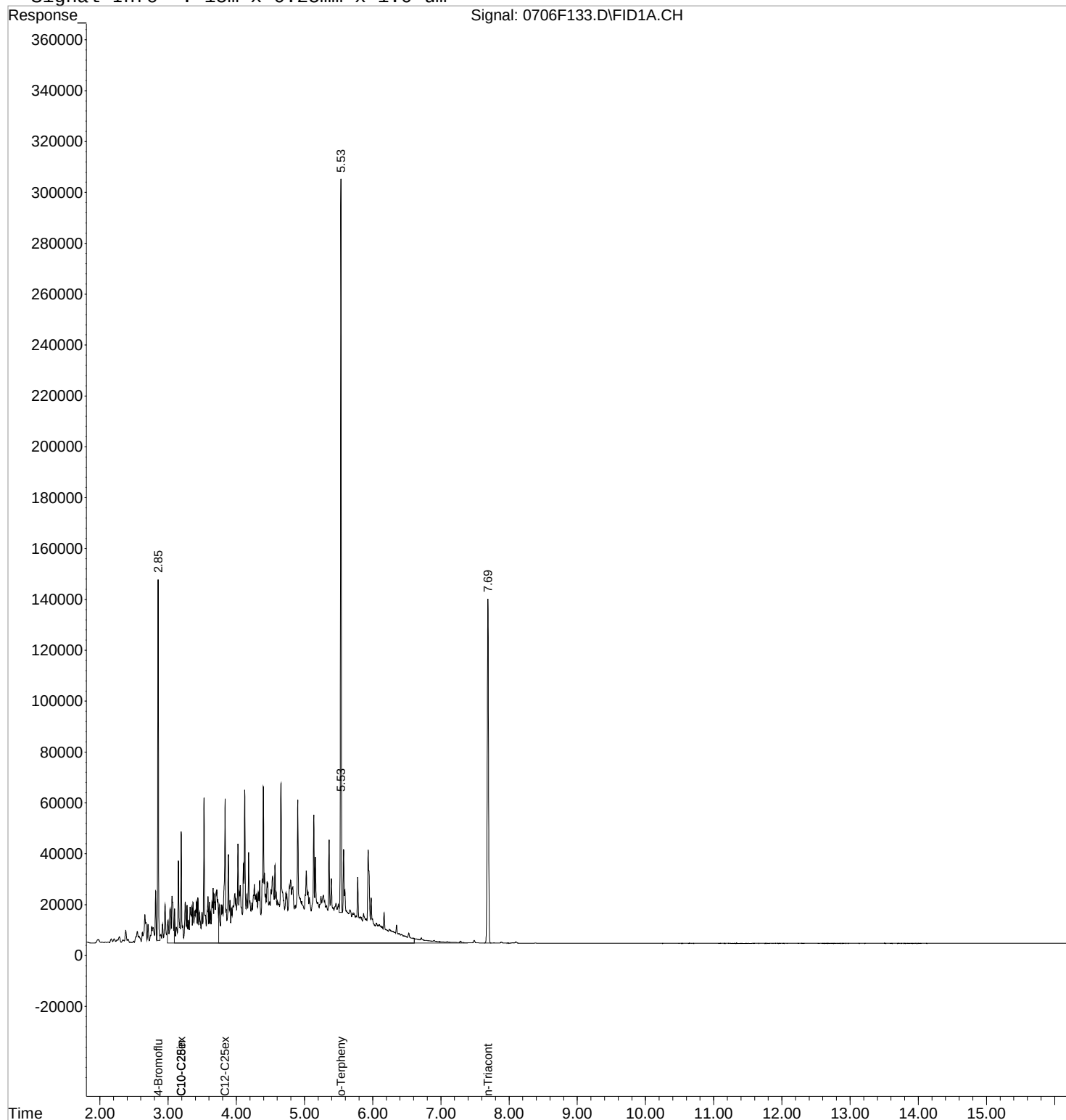
Response via : Single Level Calibration

DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL

Signal Phase : ZB-1

Signal Info : 15m x 0.25mm x 1.0 um



Data File : J:\GC21\DATA\070620F\0706F134.D Vial: 15
 Acq On : 06 Jul 2020 8:04 pm Operator: TAP
 Sample : DRO SVF02-92I 5000/250 Inst : GC21
 Misc : Multiplr: 1.00
 IntFile : rteint.p
 Quant Time: Jul 07 07:22:43 2020 Quant Results File: 070620F.RES

Quant Method : J:\GC21\METHODS\070620F.M (RTE Integrator)
 Title : 8015/NWTPH/AK SVF MJ257 CAL16158
 Last Update : Tue Jul 07 07:15:56 2020
 Response via : Initial Calibration
 DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
 Signal Phase : ZB-1
 Signal Info : 15m x 0.25mm x 1.0 um

Compound	R.T.	Response	Conc Units
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System Monitoring Compounds

1) S 4-Bromofluorobenzene	2.85	265573	277.437 ppm
Spiked Amount 50.000	Recovery	=	554.87%
2) S o-Terphenyl	5.53	527337	275.670 ppm
Spiked Amount 50.000	Recovery	=	551.34%
3) S n-Triacontane	7.69	438888	289.497 ppm
Spiked Amount 50.000	Recovery	=	578.99%

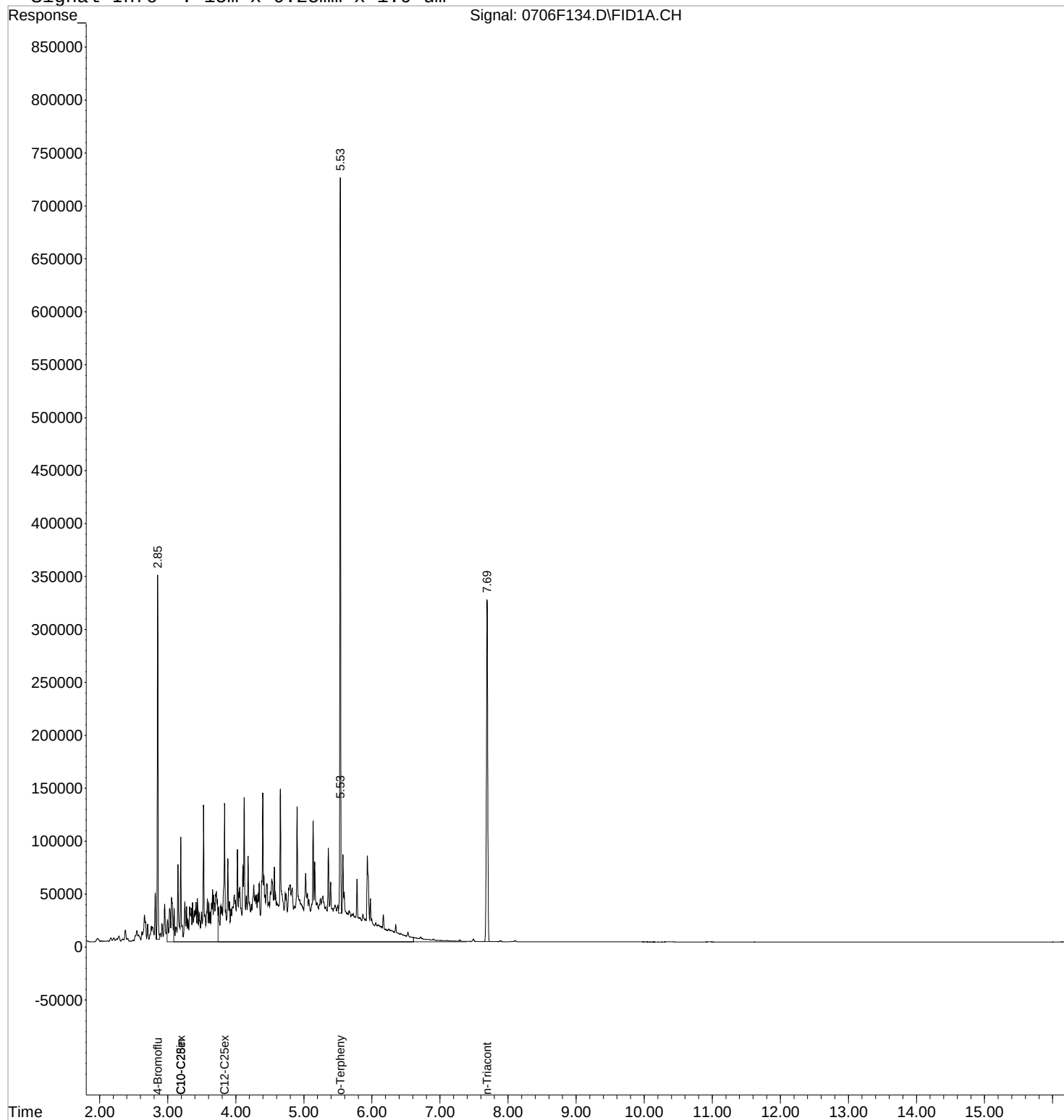
Target Compounds

6) H C10-C25ex DRO [AK102]	3.19	6907551	3835.509 ppm
7) H C10-C28in DRO [8015]	3.19	7120899	3820.890 ppm
8) H C12-C25ex DRO [NWTPH]	3.84	5827837	3875.548 ppm

Data File : J:\GC21\DATA\070620F\0706F134.D Vial: 15
Acq On : 06 Jul 2020 8:04 pm Operator: TAP
Sample : DRO SVF02-92I 5000/250 Inst : GC21
Misc : Multiplr: 1.00
IntFile : rteint.p
Quant Time: Jul 7 7:23 2020 Quant Results File: 070620F.RES

Quant Method : J:\GC21\METHODS\070620F.M (RTE Integrator)
Title : 8015/NWTPH/AK SVF MJ257 CAL16158
Last Update : Tue Jul 07 07:15:56 2020
Response via : Single Level Calibration
DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
Signal Phase : ZB-1
Signal Info : 15m x 0.25mm x 1.0 um



Data File : J:\GC21\DATA\070620F\0706F145.D Vial: 86
Acq On : 06 Jul 2020 11:49 pm Operator: TAP
Sample : ICAL BLANK Inst : GC21
Misc : Multiplr: 1.00
IntFile : rteint.p
Quant Time: Jul 07 07:43:18 2020 Quant Results File: 070620F.RES

Quant Method : J:\GC21\METHODS\070620F.M (RTE Integrator)
Title : 8015/NWTPH/AK SVF MJ257 CAL16158
Last Update : Tue Jul 07 07:41:23 2020
Response via : Initial Calibration
DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
Signal Phase : ZB-1
Signal Info : 15m x 0.25mm x 1.0 um

Compound	R.T.	Response	Conc Units
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System Monitoring Compounds

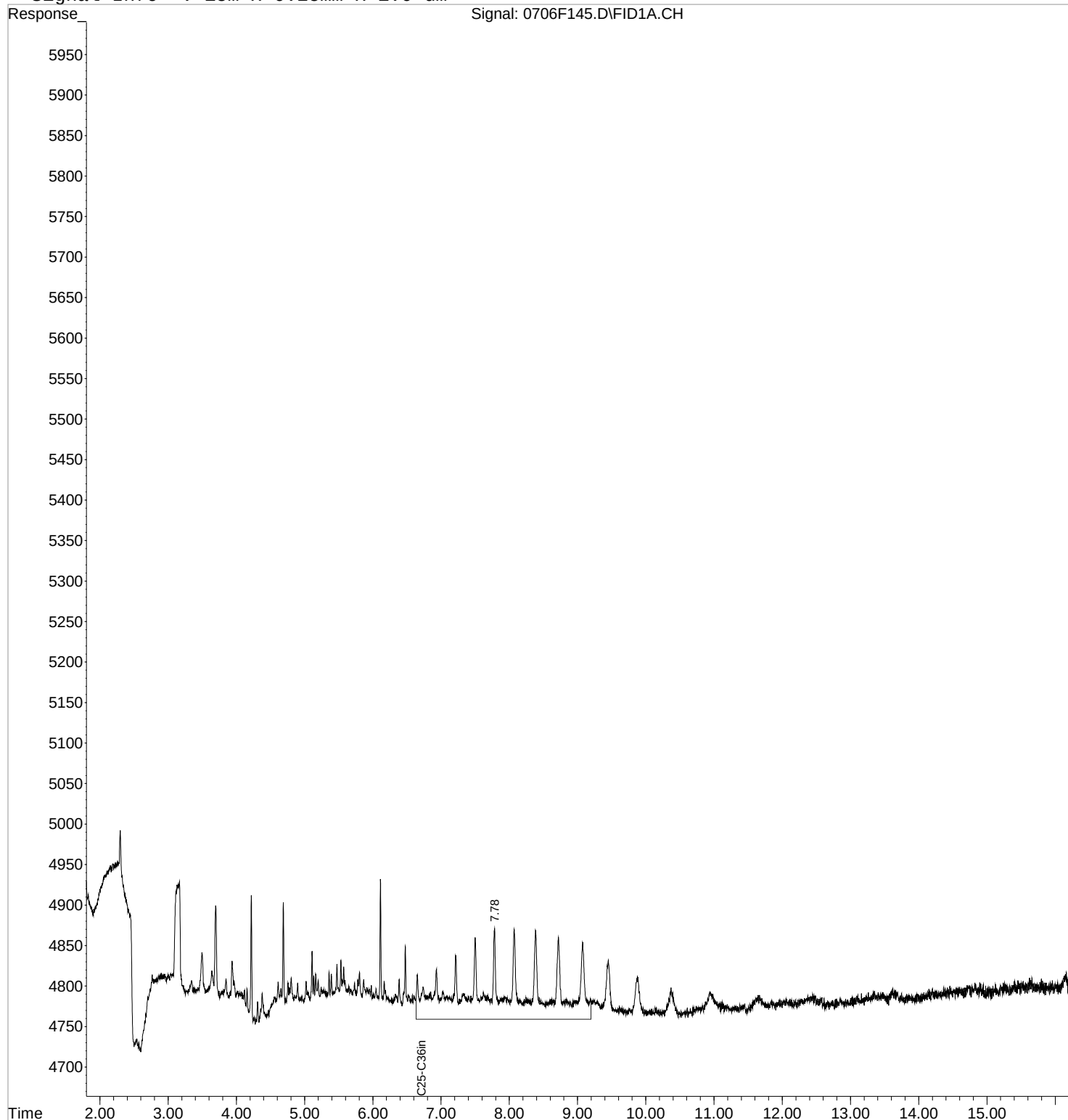
Target Compounds

10) H C25-C36in RRO [NWTPH]	6.71	4844	5.274 ppm
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Data File : J:\GC21\DATA\070620F\0706F145.D Vial: 86
Acq On : 06 Jul 2020 11:49 pm Operator: TAP
Sample : ICAL BLANK Inst : GC21
Misc : Multiplr: 1.00
IntFile : rteint.p
Quant Time: Jul 7 7:44 2020 Quant Results File: 070620F.RES

Quant Method : J:\GC21\METHODS\070620F.M (RTE Integrator)
Title : 8015/NWTPH/AK SVF MJ257 CAL16158
Last Update : Tue Jul 07 07:41:23 2020
Response via : Single Level Calibration
DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
Signal Phase : ZB-1
Signal Info : 15m x 0.25mm x 1.0 um



Data File : J:\GC21\DATA\070620F\0706F145.D

Vial: 86

Acq On : 06 Jul 2020 11:49 pm

Operator: TAP

Sample : ICAL BLANK

Inst : GC21

Misc :

Multiplr: 1.00

IntFile : rteint.p

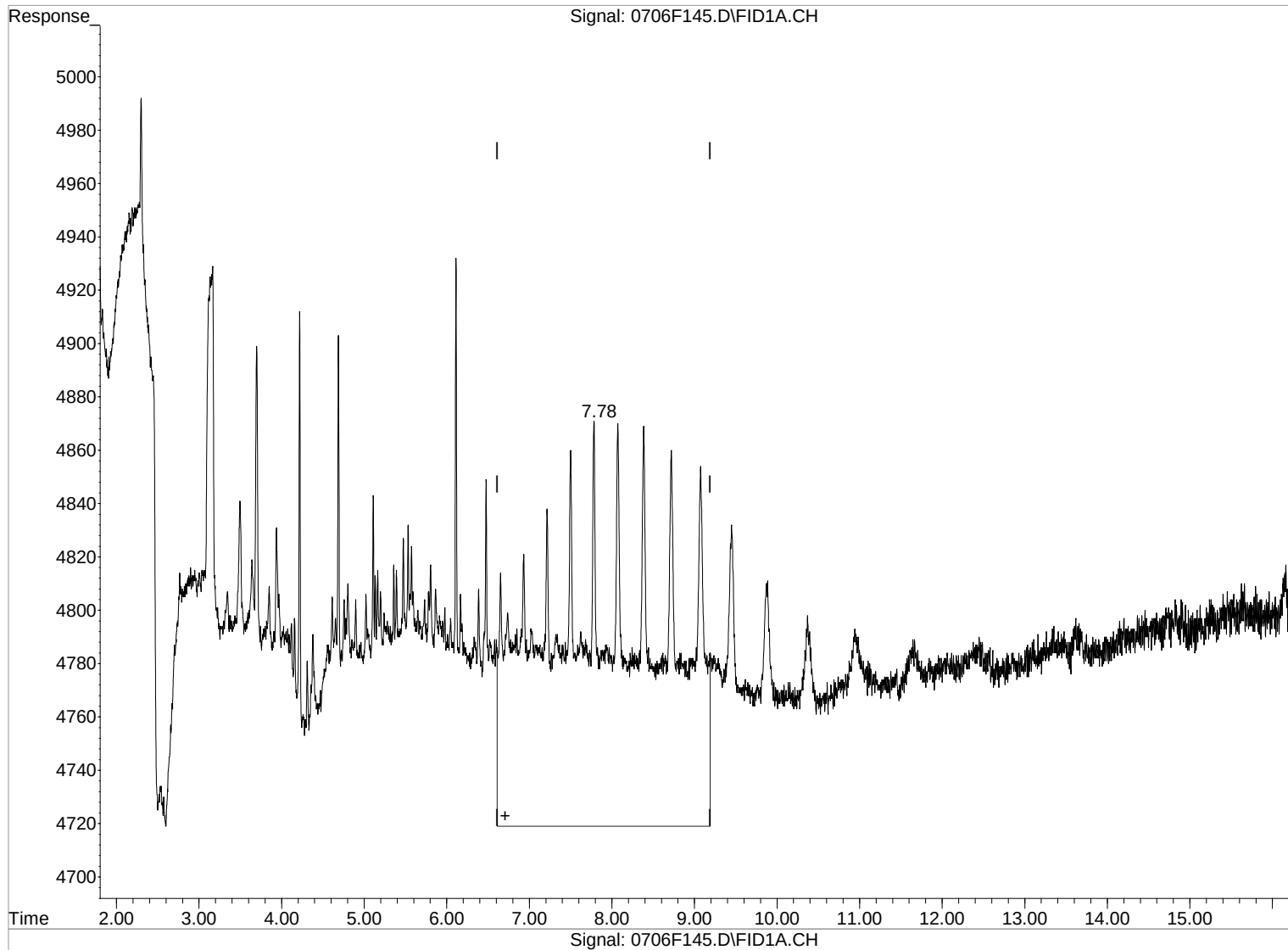
Quant Time: Jul 7 7:43 2020 Quant Results File: 070620F.RES

Method : J:\GC21\METHODS\070620F.M (RTE Integrator)

Title : 8015/NWTPH/AK SVF MJ257 CAL16158

Last Update : Tue Jul 07 07:41:23 2020

Response via : Multiple Level Calibration



(10) C25-C36in RRO [NWTPH] (H)

Manual Integration:

6.71min 12.048ppm

Before

response 11066

07/07/20

(+) = Expected Retention Time

Data File : J:\GC21\DATA\070620F\0706F145.D

Vial: 86

Acq On : 06 Jul 2020 11:49 pm

Operator: TAP

Sample : ICAL BLANK

Inst : GC21

Misc :

Multiplr: 1.00

IntFile : rteint.p

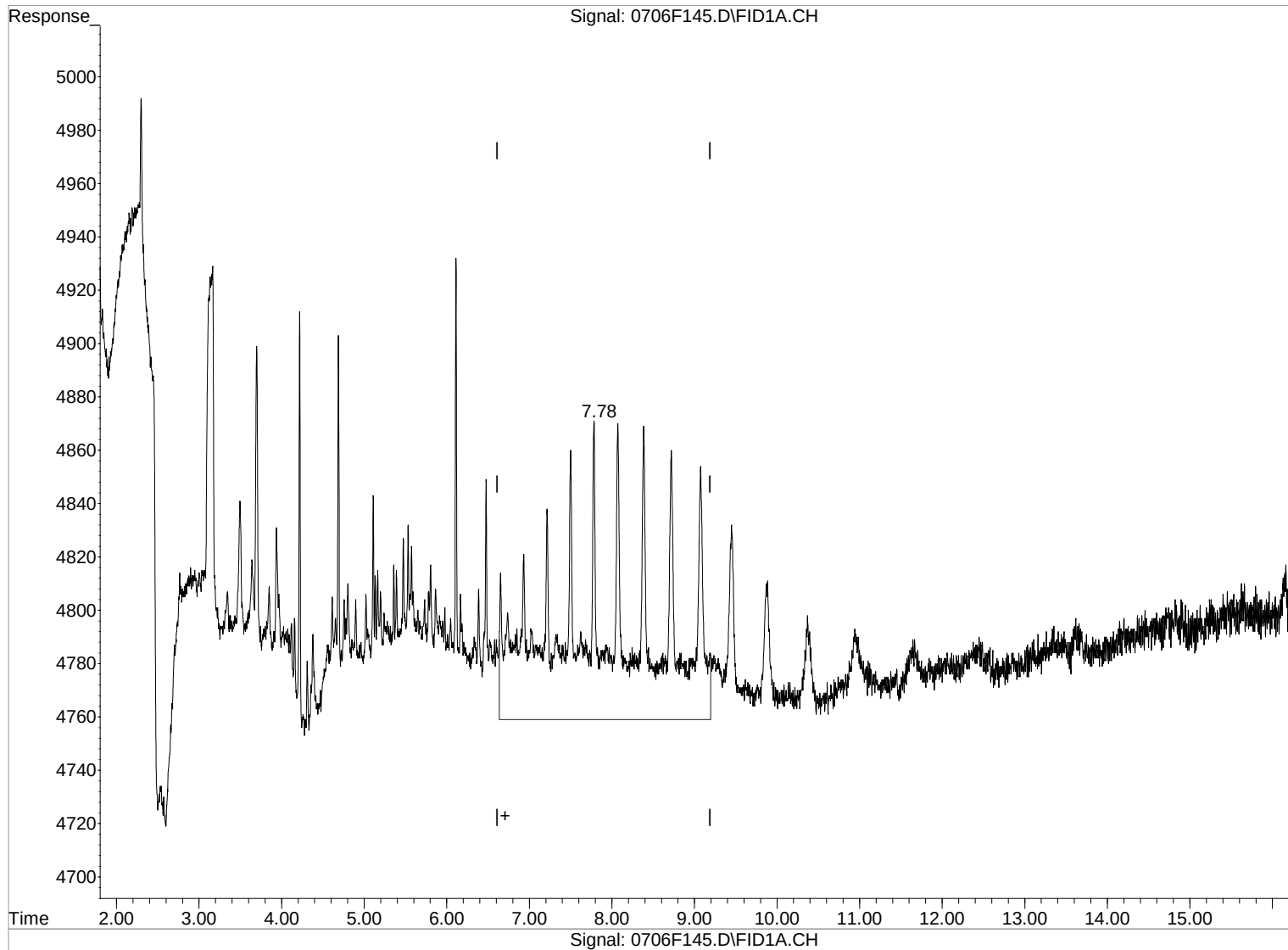
Quant Time: Jul 7 7:43 2020 Quant Results File: 070620F.RES

Method : J:\GC21\METHODS\070620F.M (RTE Integrator)

Title : 8015/NWTPH/AK SVF MJ257 CAL16158

Last Update : Tue Jul 07 07:41:23 2020

Response via : Multiple Level Calibration



(10) C25-C36in RRO [NWTPH] (H)

Manual Integration:

6.71min 5.274ppm

After

response 4844

Baseline/Shoulder

07/07/20

(+) = Expected Retention Time

Data File : J:\GC21\DATA\070620F\0706F146.D Vial: 20
Acq On : 07 Jul 2020 12:11 am Operator: TAP
Sample : RRO SVF02-93J 50 Inst : GC21
Misc : Multiplr: 1.00
IntFile : rteint.p
Quant Time: Jul 07 07:34:25 2020 Quant Results File: 070620F.RES

Quant Method : J:\GC21\METHODS\070620F.M (RTE Integrator)
Title : 8015/NWTPH/AK SVF MJ257 CAL16158
Last Update : Tue Jul 07 07:25:41 2020
Response via : Initial Calibration
DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
Signal Phase : ZB-1
Signal Info : 15m x 0.25mm x 1.0 um

Compound	R.T.	Response	Conc Units
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System Monitoring Compounds

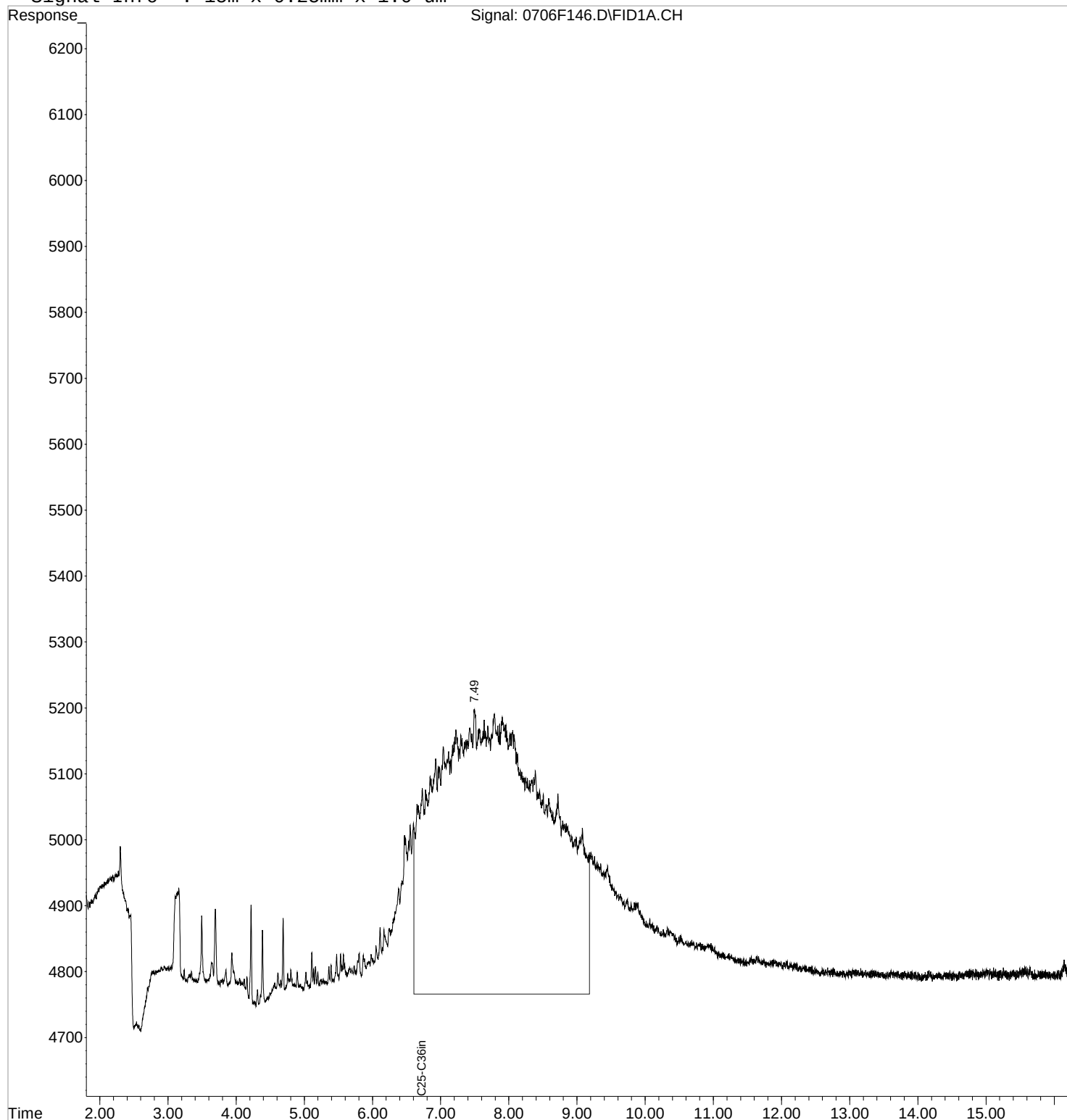
Target Compounds

10) H C25-C36in RRO [NWTPH]	6.71	50261	54.905 ppm
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Data File : J:\GC21\DATA\070620F\0706F146.D Vial: 20
Acq On : 07 Jul 2020 12:11 am Operator: TAP
Sample : RRO SVF02-93J 50 Inst : GC21
Misc : Multiplr: 1.00
IntFile : rteint.p
Quant Time: Jul 7 7:35 2020 Quant Results File: 070620F.RES

Quant Method : J:\GC21\METHODS\070620F.M (RTE Integrator)
Title : 8015/NWTPH/AK SVF MJ257 CAL16158
Last Update : Tue Jul 07 07:25:41 2020
Response via : Single Level Calibration
DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
Signal Phase : ZB-1
Signal Info : 15m x 0.25mm x 1.0 um



Data File : J:\GC21\DATA\070620F\0706F146.D

Vial: 20

Acq On : 07 Jul 2020 12:11 am

Operator: TAP

Sample : RRO SVF02-93J 50

Inst : GC21

Misc :

Multiplr: 1.00

IntFile : rteint.p

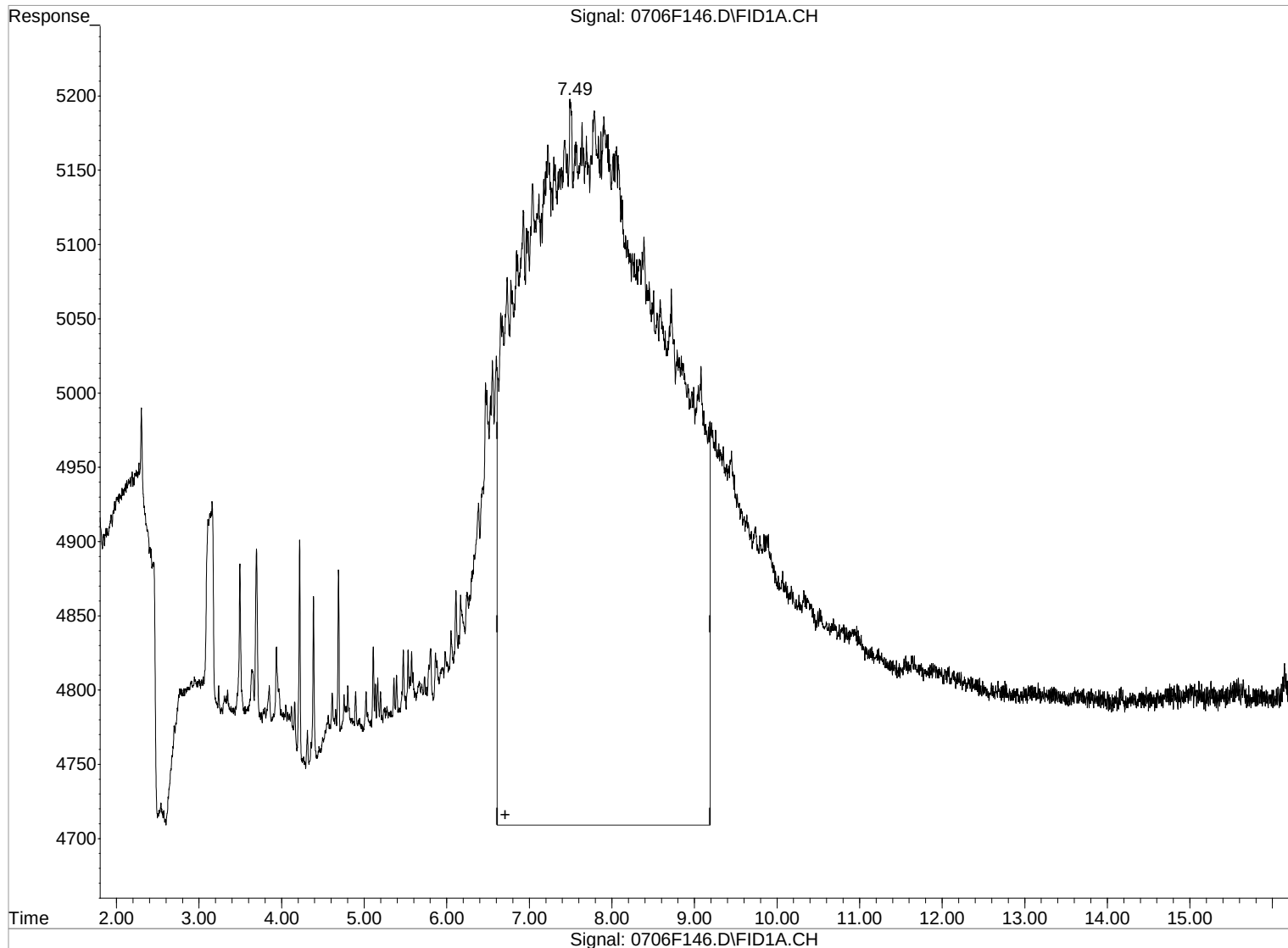
Quant Time: Jul 7 7:34 2020 Quant Results File: 070620F.RES

Method : J:\GC21\METHODS\070620F.M (RTE Integrator)

Title : 8015/NWTPH/AK SVF MJ257 CAL16158

Last Update : Tue Jul 07 07:25:41 2020

Response via : Multiple Level Calibration



(10) C25-C36in RRO [NWTPH] (H)

Manual Integration:

6.71min 64.605ppm

Before

response 59140

07/07/20

(+) = Expected Retention Time

Data File : J:\GC21\DATA\070620F\0706F146.D

Vial: 20

Acq On : 07 Jul 2020 12:11 am

Operator: TAP

Sample : RRO SVF02-93J 50

Inst : GC21

Misc :

Multiplr: 1.00

IntFile : rteint.p

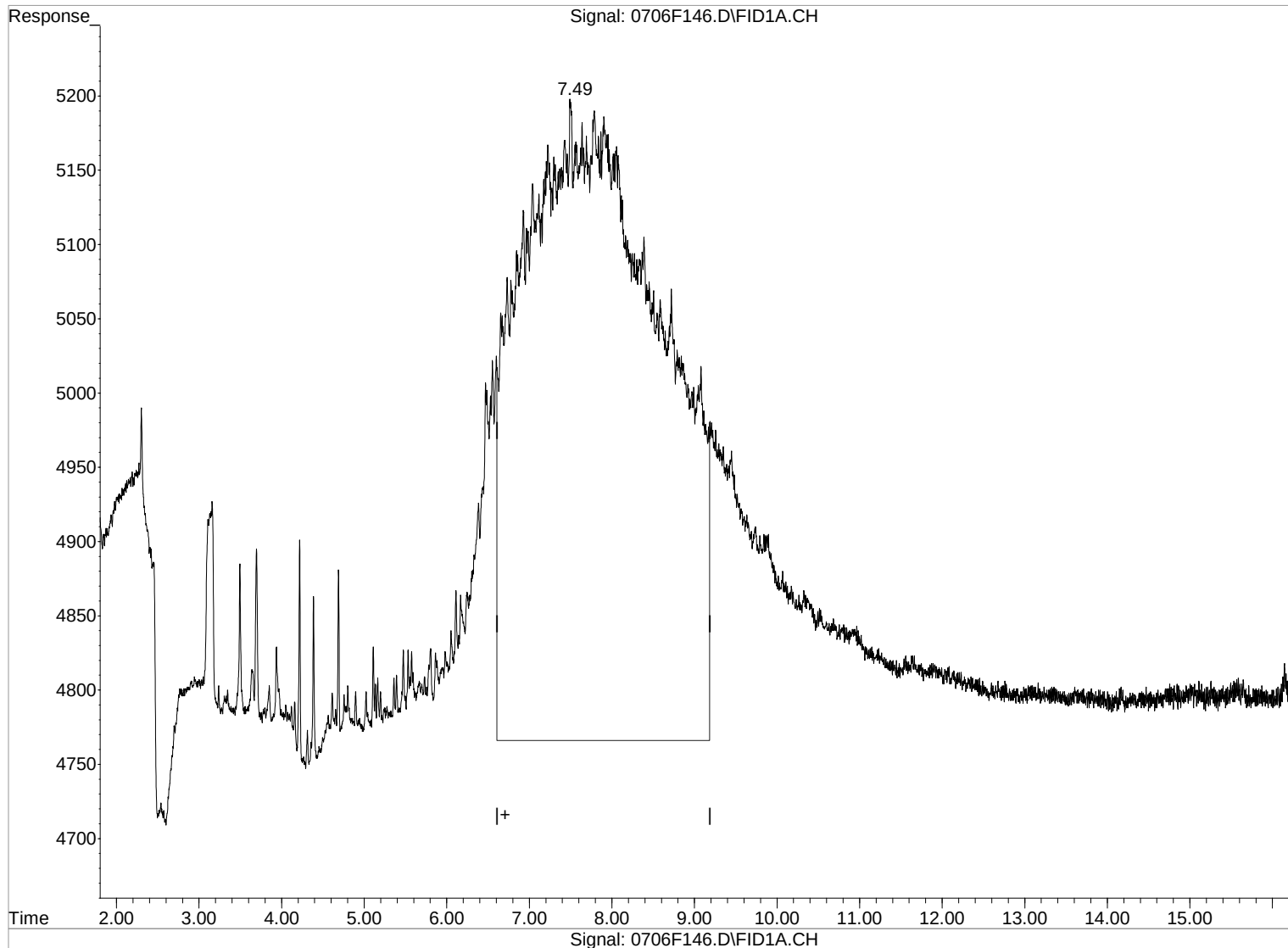
Quant Time: Jul 7 7:34 2020 Quant Results File: 070620F.RES

Method : J:\GC21\METHODS\070620F.M (RTE Integrator)

Title : 8015/NWTPH/AK SVF MJ257 CAL16158

Last Update : Tue Jul 07 07:25:41 2020

Response via : Multiple Level Calibration



(10) C25-C36in RRO [NWTPH] (H)

Manual Integration:

6.71min 54.905ppm

After

response 50261

Baseline/Shoulder

07/07/20

(+) = Expected Retention Time

Data File : J:\GC21\DATA\070620F\0706F147.D Vial: 21
Acq On : 07 Jul 2020 12:33 am Operator: TAP
Sample : RRO SVF02-93I 200 Inst : GC21
Misc : Multiplr: 1.00
IntFile : rteint.p
Quant Time: Jul 07 07:35:24 2020 Quant Results File: 070620F.RES

Quant Method : J:\GC21\METHODS\070620F.M (RTE Integrator)
Title : 8015/NWTPH/AK SVF MJ257 CAL16158
Last Update : Tue Jul 07 07:35:16 2020
Response via : Initial Calibration
DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
Signal Phase : ZB-1
Signal Info : 15m x 0.25mm x 1.0 um

Compound	R.T.	Response	Conc Units
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System Monitoring Compounds

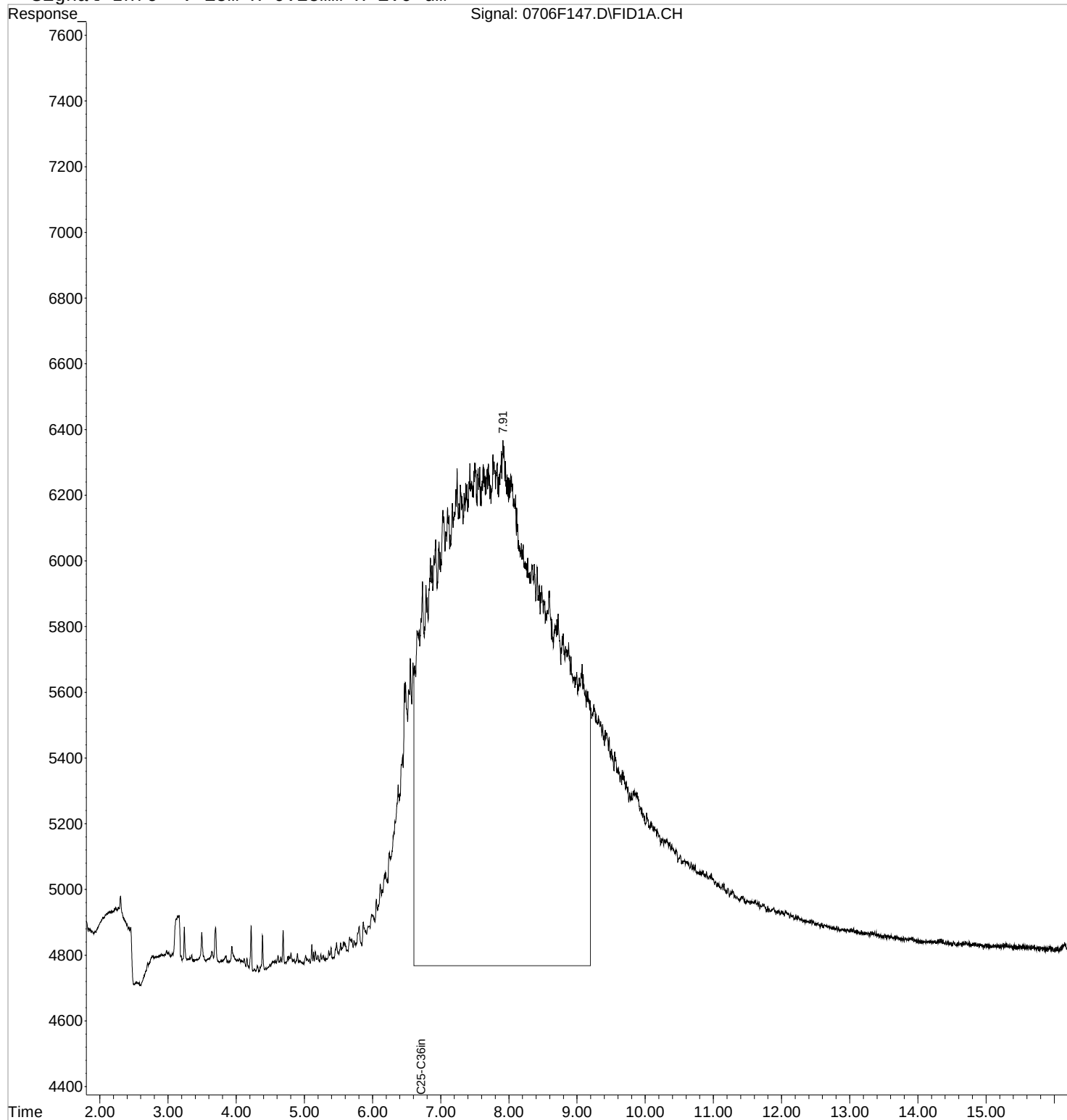
Target Compounds

10) H C25-C36in RRO [NWTPH]	6.71	189258	160.159 ppm
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Data File : J:\GC21\DATA\070620F\0706F147.D Vial: 21
Acq On : 07 Jul 2020 12:33 am Operator: TAP
Sample : RRO SVF02-93I 200 Inst : GC21
Misc : Multiplr: 1.00
IntFile : rteint.p
Quant Time: Jul 7 7:36 2020 Quant Results File: 070620F.RES

Quant Method : J:\GC21\METHODS\070620F.M (RTE Integrator)
Title : 8015/NWTPH/AK SVF MJ257 CAL16158
Last Update : Tue Jul 07 07:35:16 2020
Response via : Single Level Calibration
DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
Signal Phase : ZB-1
Signal Info : 15m x 0.25mm x 1.0 um



Data File : J:\GC21\DATA\070620F\0706F147.D

Acq On : 07 Jul 2020 12:33 am

Sample : RRO SVF02-93I 200

Misc :

IntFile : rteint.p

Quant Time: Jul 7 7:35 2020 Quant Results File: 070620F.RES

Vial: 21

Operator: TAP

Inst : GC21

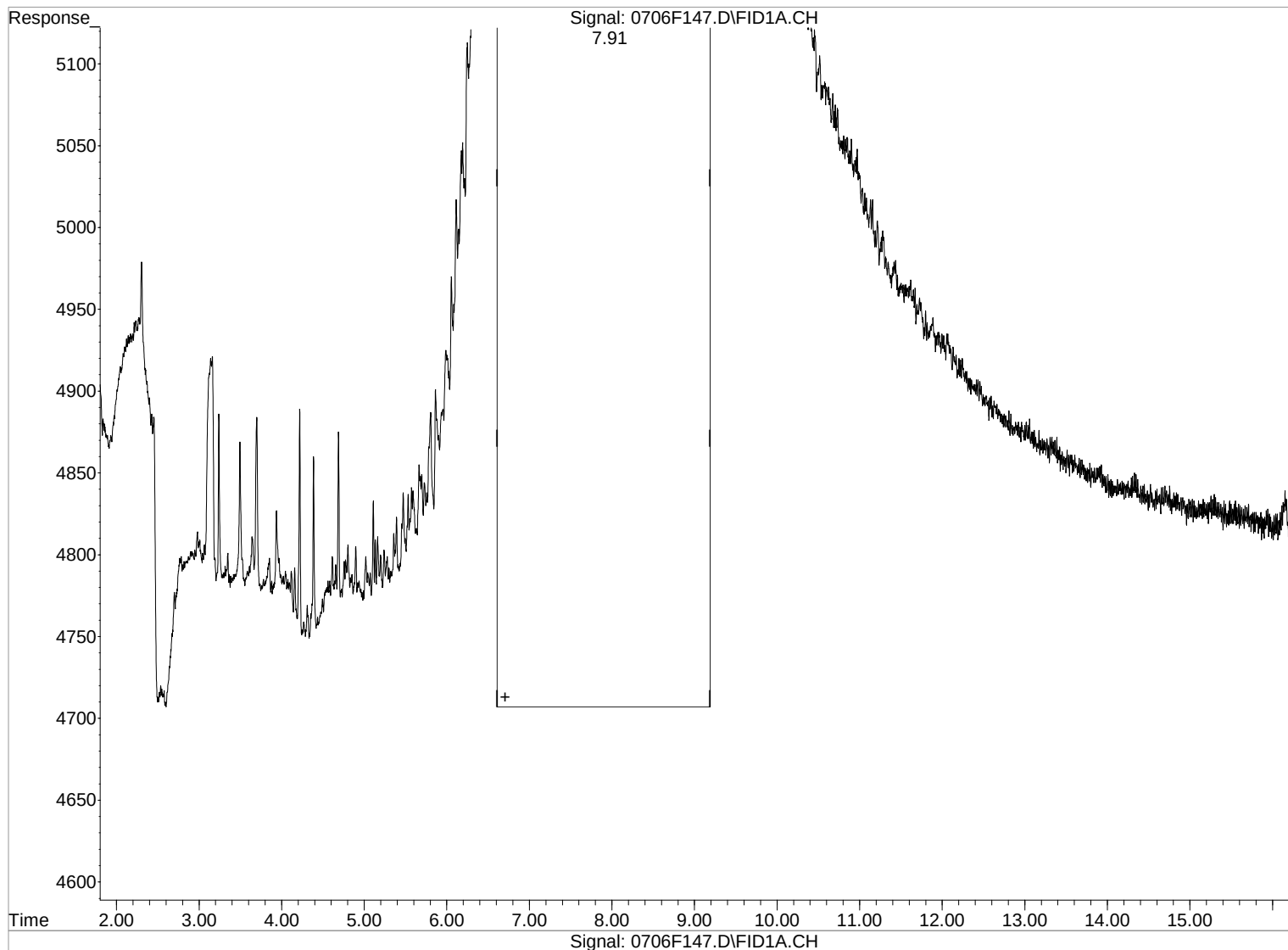
Multiplr: 1.00

Method : J:\GC21\METHODS\070620F.M (RTE Integrator)

Title : 8015/NWTPH/AK SVF MJ257 CAL16158

Last Update : Tue Jul 07 07:35:16 2020

Response via : Multiple Level Calibration



(10) C25-C36in RRO [NWTPH] (H)

Manual Integration:

6.71min 167.799ppm

Before

response 198286

07/07/20

(+) = Expected Retention Time

Data File : J:\GC21\DATA\070620F\0706F147.D

Acq On : 07 Jul 2020 12:33 am

Sample : RRO SVF02-93I 200

Misc :

IntFile : rteint.p

Quant Time: Jul 7 7:35 2020 Quant Results File: 070620F.RES

Vial: 21

Operator: TAP

Inst : GC21

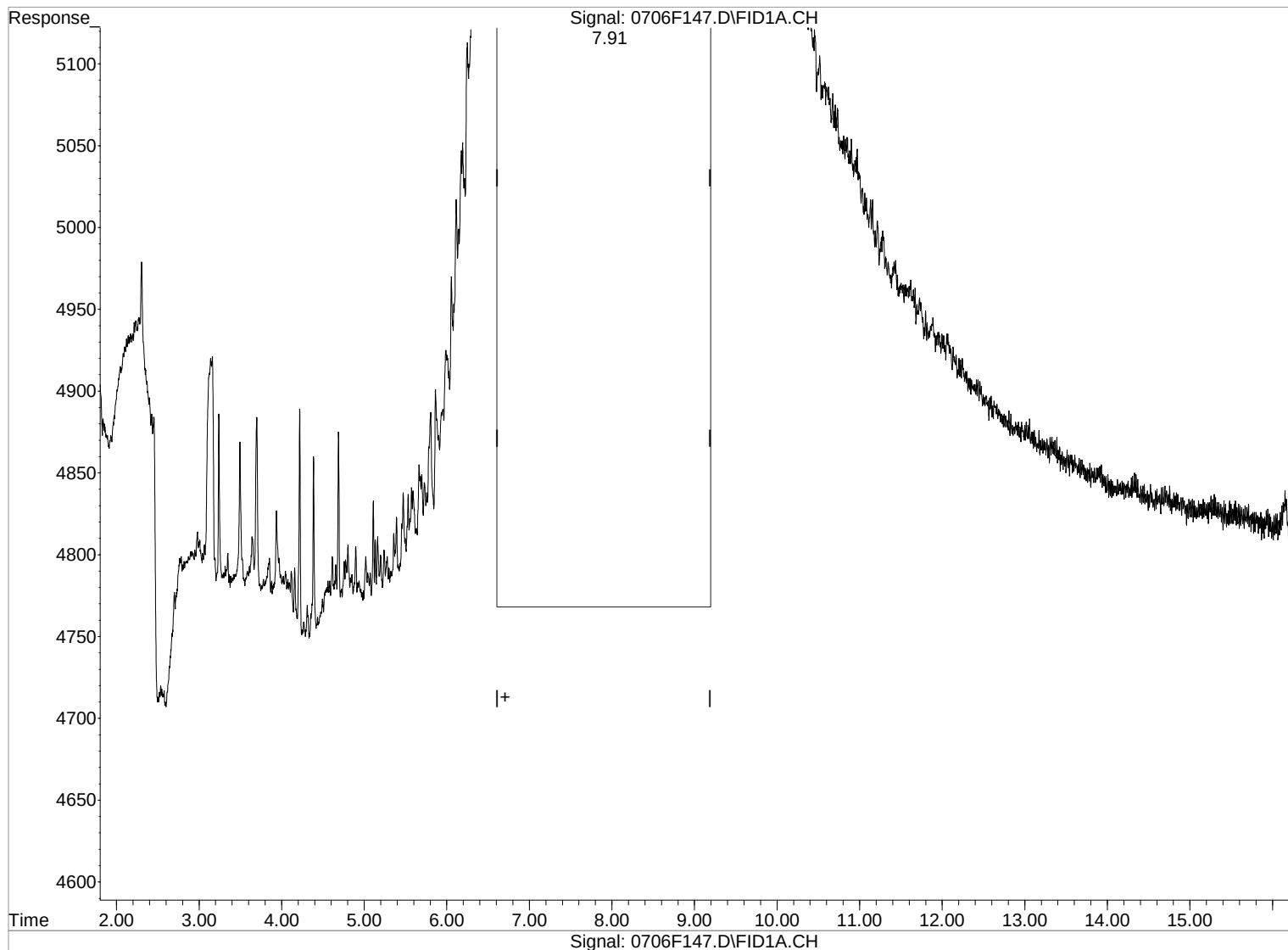
Multiplr: 1.00

Method : J:\GC21\METHODS\070620F.M (RTE Integrator)

Title : 8015/NWTPH/AK SVF MJ257 CAL16158

Last Update : Tue Jul 07 07:35:16 2020

Response via : Multiple Level Calibration



(10) C25-C36in RRO [NWTPH] (H)

6.71min 160.159ppm

response 189258

Manual Integration:

After

Baseline/Shoulder

07/07/20

(+) = Expected Retention Time

Data File : J:\GC21\DATA\070620F\0706F148.D Vial: 22
Acq On : 07 Jul 2020 12:56 am Operator: TAP
Sample : RRO SVF02-93H 500 Inst : GC21
Misc : Multiplr: 1.00
IntFile : rteint.p
Quant Time: Jul 07 07:36:12 2020 Quant Results File: 070620F.RES

Quant Method : J:\GC21\METHODS\070620F.M (RTE Integrator)
Title : 8015/NWTPH/AK SVF MJ257 CAL16158
Last Update : Tue Jul 07 07:35:16 2020
Response via : Initial Calibration
DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
Signal Phase : ZB-1
Signal Info : 15m x 0.25mm x 1.0 um

Compound	R.T.	Response	Conc Units
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System Monitoring Compounds

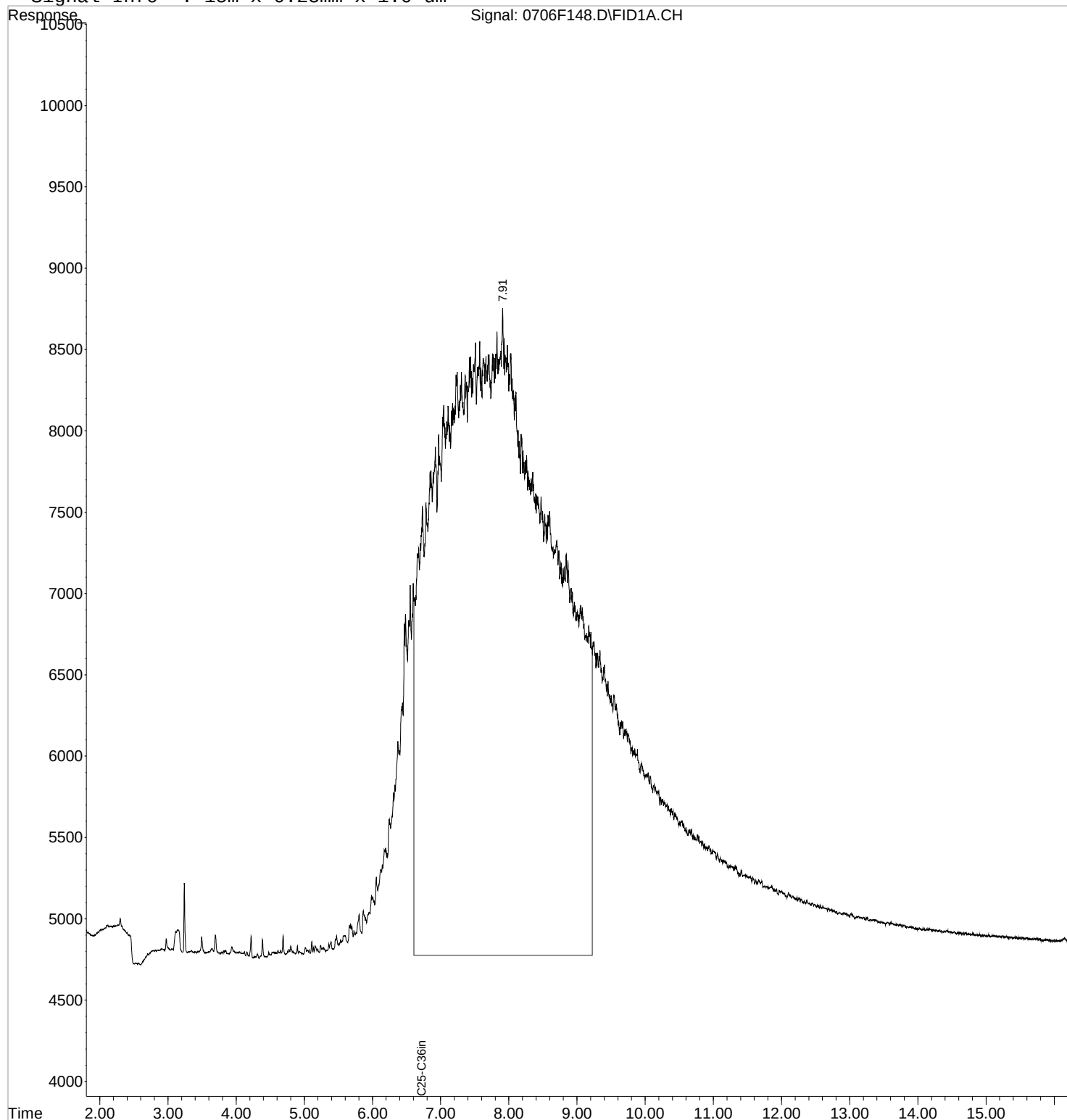
Target Compounds

10) H C25-C36in RRO [NWTPH]	6.71	463755	392.452 ppm
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Data File : J:\GC21\DATA\070620F\0706F148.D Vial: 22
Acq On : 07 Jul 2020 12:56 am Operator: TAP
Sample : RRO SVF02-93H 500 Inst : GC21
Misc : Multiplr: 1.00
IntFile : rteint.p
Quant Time: Jul 7 7:36 2020 Quant Results File: 070620F.RES

Quant Method : J:\GC21\METHODS\070620F.M (RTE Integrator)
Title : 8015/NWTPH/AK SVF MJ257 CAL16158
Last Update : Tue Jul 07 07:35:16 2020
Response via : Single Level Calibration
DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
Signal Phase : ZB-1
Signal Info : 15m x 0.25mm x 1.0 um



Data File : J:\GC21\DATA\070620F\0706F148.D

Acq On : 07 Jul 2020 12:56 am

Sample : RRO SVF02-93H 500

Misc :

IntFile : rteint.p

Quant Time: Jul 7 7:36 2020 Quant Results File: 070620F.RES

Vial: 22

Operator: TAP

Inst : GC21

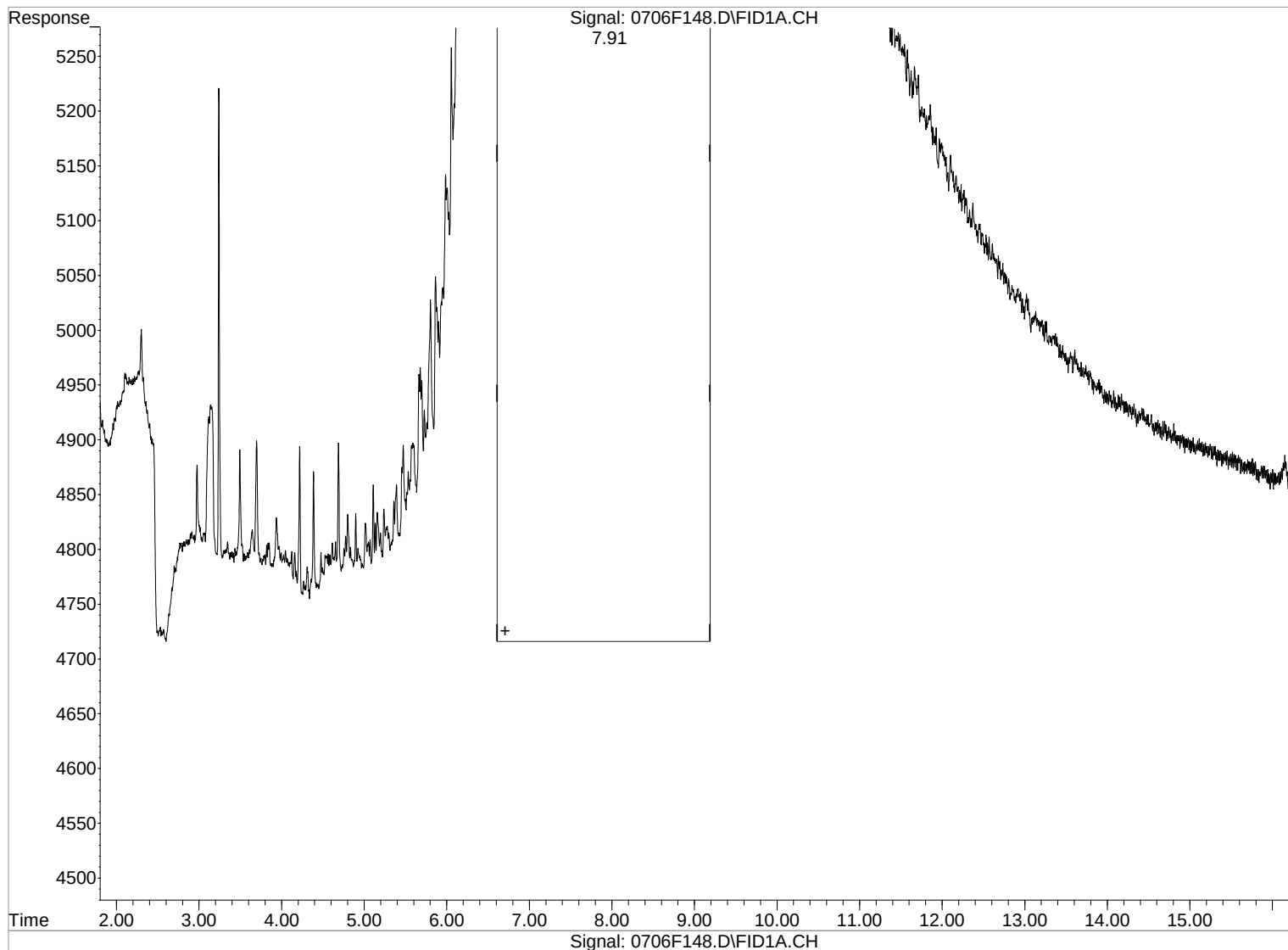
Multiplr: 1.00

Method : J:\GC21\METHODS\070620F.M (RTE Integrator)

Title : 8015/NWTPH/AK SVF MJ257 CAL16158

Last Update : Tue Jul 07 07:35:16 2020

Response via : Multiple Level Calibration



(10) C25-C36in RRO [NWTPH] (H)

6.71min 396.862ppm

response 468966

Manual Integration:

Before

07/07/20

(+) = Expected Retention Time

Data File : J:\GC21\DATA\070620F\0706F148.D

Acq On : 07 Jul 2020 12:56 am

Sample : RRO SVF02-93H 500

Misc :

IntFile : rteint.p

Quant Time: Jul 7 7:36 2020 Quant Results File: 070620F.RES

Vial: 22

Operator: TAP

Inst : GC21

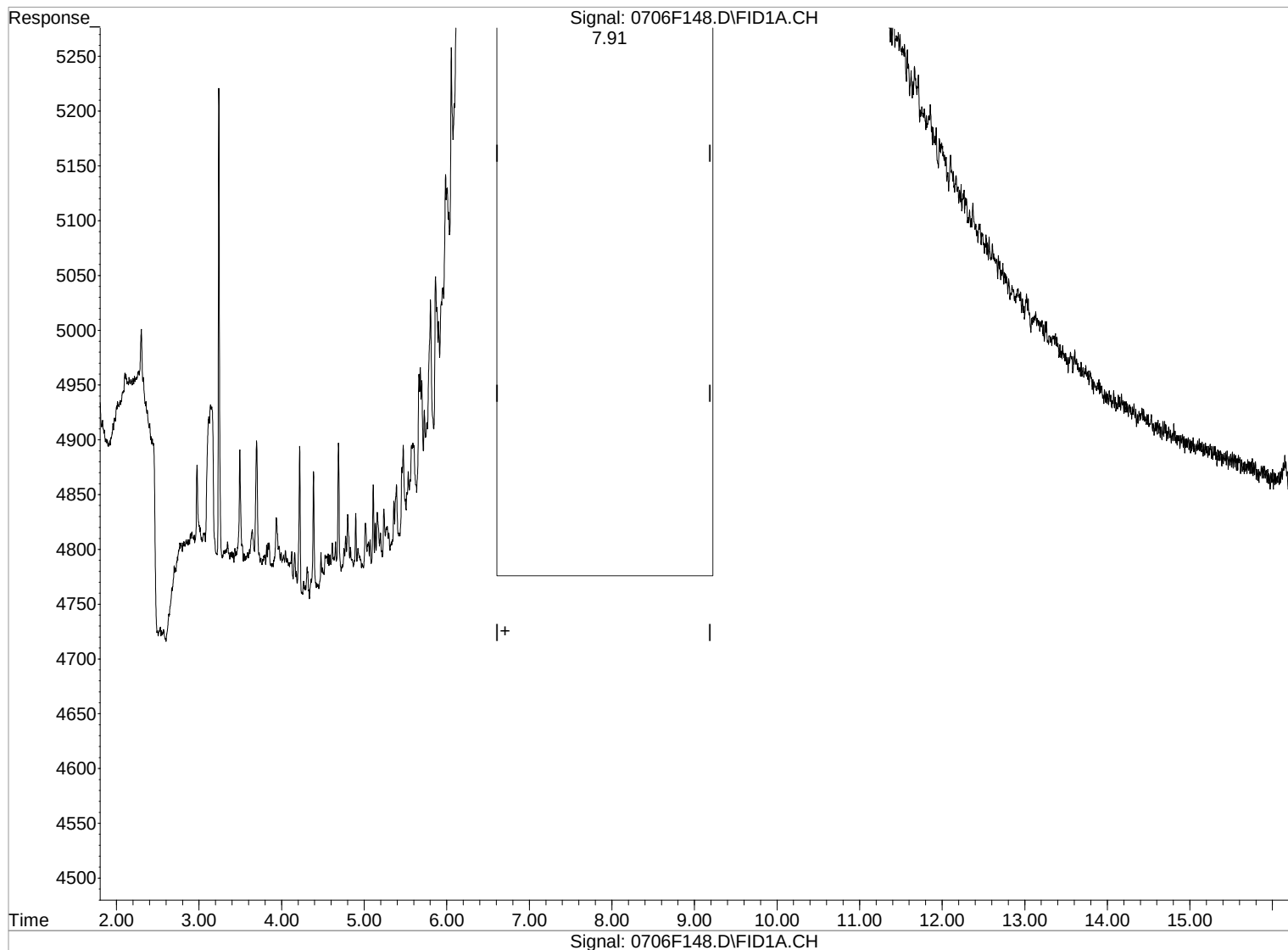
Multiplr: 1.00

Method : J:\GC21\METHODS\070620F.M (RTE Integrator)

Title : 8015/NWTPH/AK SVF MJ257 CAL16158

Last Update : Tue Jul 07 07:35:16 2020

Response via : Multiple Level Calibration



(10) C25-C36in RRO [NWTPH] (H)

6.71min 392.452ppm

response 463755

Manual Integration:

After

Baseline/Shoulder

07/07/20

(+) = Expected Retention Time

Data File : J:\GC21\DATA\070620F\0706F149.D Vial: 23
Acq On : 07 Jul 2020 1:18 am Operator: TAP
Sample : RRO SVF02-93G 2000 Inst : GC21
Misc : Multiplr: 1.00
IntFile : rteint.p
Quant Time: Jul 07 07:36:58 2020 Quant Results File: 070620F.RES

Quant Method : J:\GC21\METHODS\070620F.M (RTE Integrator)
Title : 8015/NWTPH/AK SVF MJ257 CAL16158
Last Update : Tue Jul 07 07:35:16 2020
Response via : Initial Calibration
DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
Signal Phase : ZB-1
Signal Info : 15m x 0.25mm x 1.0 um

Compound	R.T.	Response	Conc Units
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System Monitoring Compounds

Target Compounds

10) H C25-C36in RRO [NWTPH]	6.71	1733115	1466.646 ppm
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Data File : J:\GC21\DATA\070620F\0706F149.D

Vial: 23

Acq On : 07 Jul 2020 1:18 am

Operator: TAP

Sample : RRO SVF02-93G 2000

Inst : GC21

Misc :

Multiplr: 1.00

IntFile : rteint.p

Quant Time: Jul 7 7:38 2020 Quant Results File: 070620F.RES

Quant Method : J:\GC21\METHODS\070620F.M (RTE Integrator)

Title : 8015/NWTPH/AK SVF MJ257 CAL16158

Last Update : Tue Jul 07 07:35:16 2020

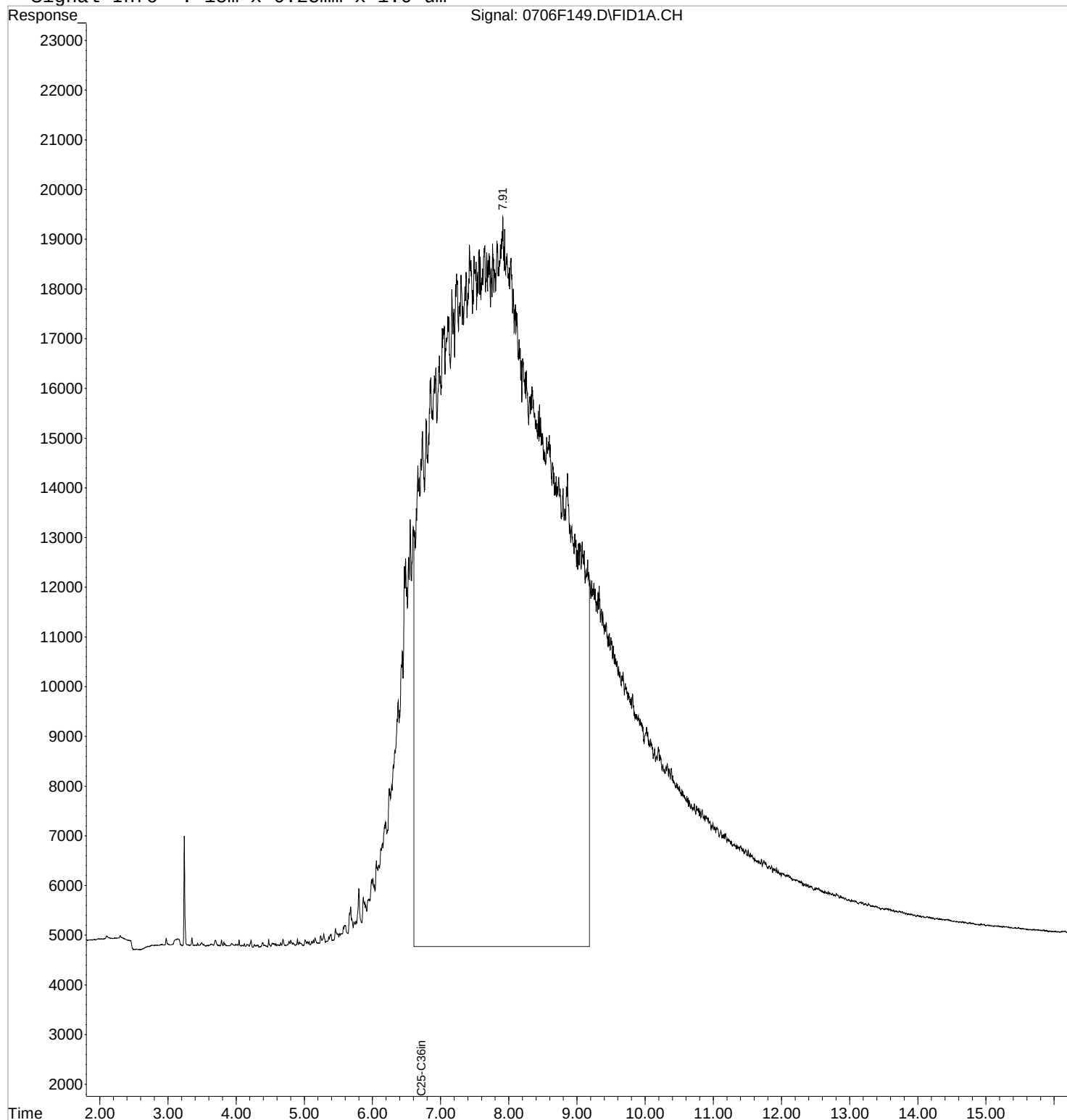
Response via : Single Level Calibration

DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL

Signal Phase : ZB-1

Signal Info : 15m x 0.25mm x 1.0 um



Data File : J:\GC21\DATA\070620F\0706F149.D

Acq On : 07 Jul 2020 1:18 am

Sample : RRO SVF02-93G 2000

Misc :

IntFile : rteint.p

Quant Time: Jul 7 7:36 2020 Quant Results File: 070620F.RES

Vial: 23

Operator: TAP

Inst : GC21

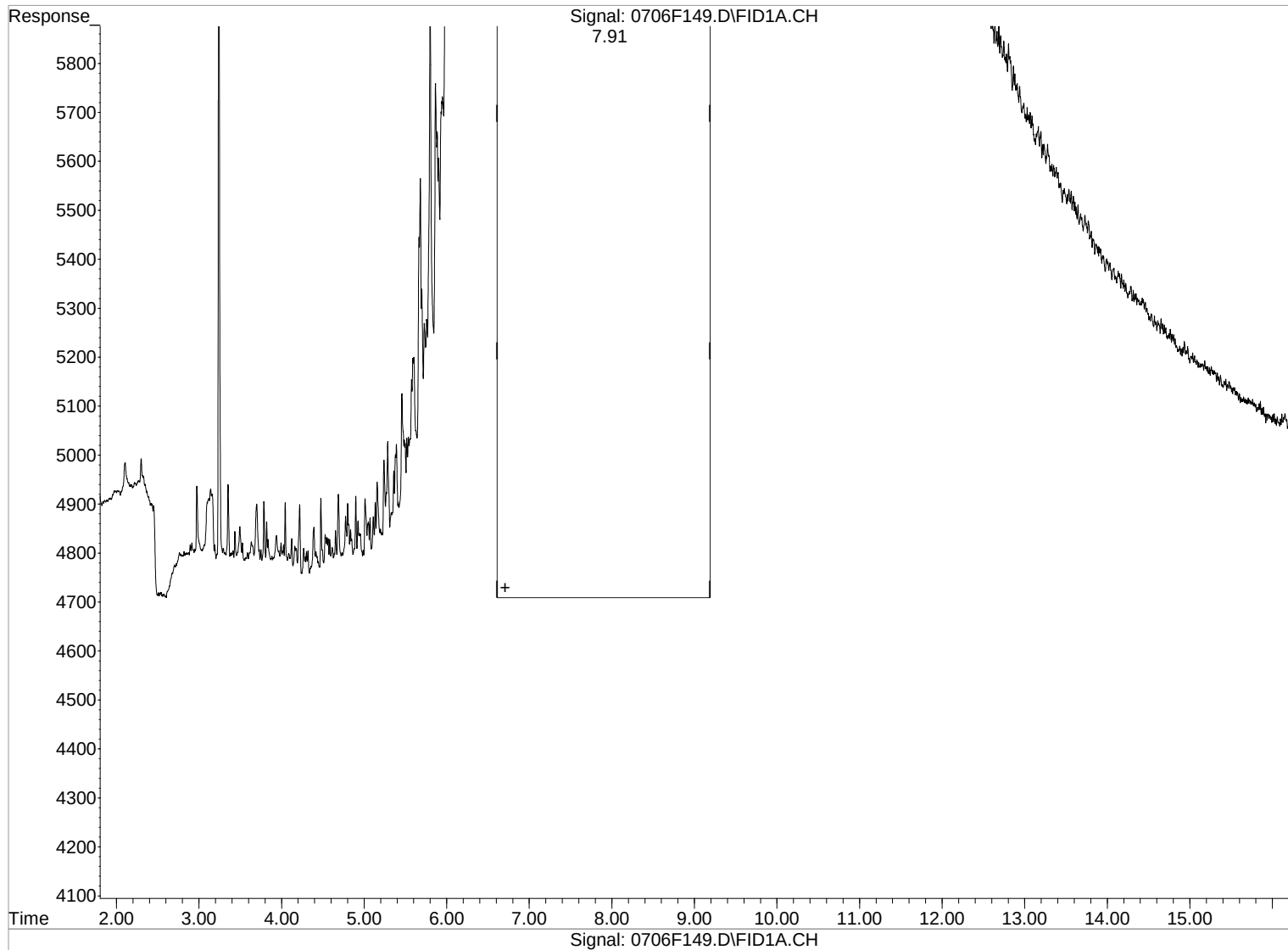
Multiplr: 1.00

Method : J:\GC21\METHODS\070620F.M (RTE Integrator)

Title : 8015/NWTPH/AK SVF MJ257 CAL16158

Last Update : Tue Jul 07 07:37:54 2020

Response via : Multiple Level Calibration



(10) C25-C36in RRO [NWTPH] (H)

Manual Integration:

6.71min 1477.070ppm

Before

response 1745433

07/07/20

(+) = Expected Retention Time

Data File : J:\GC21\DATA\070620F\0706F149.D

Acq On : 07 Jul 2020 1:18 am

Sample : RRO SVF02-93G 2000

Misc :

IntFile : rteint.p

Quant Time: Jul 7 7:36 2020 Quant Results File: 070620F.RES

Vial: 23

Operator: TAP

Inst : GC21

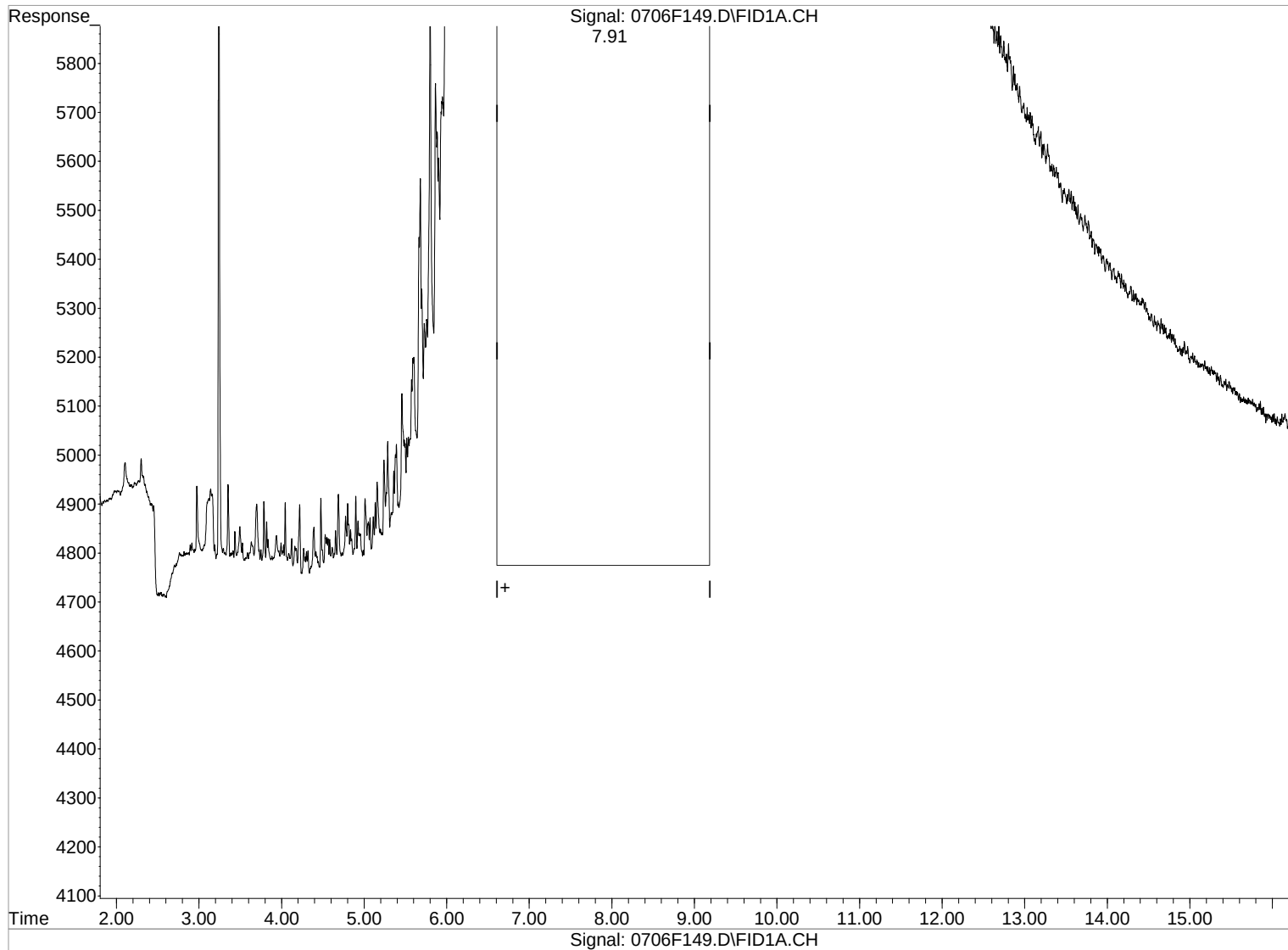
Multiplr: 1.00

Method : J:\GC21\METHODS\070620F.M (RTE Integrator)

Title : 8015/NWTPH/AK SVF MJ257 CAL16158

Last Update : Tue Jul 07 07:37:54 2020

Response via : Multiple Level Calibration



(10) C25-C36in RRO [NWTPH] (H)

6.71min 1466.646ppm

response 1733115

Manual Integration:

After

Baseline/Shoulder

07/07/20

(+) = Expected Retention Time

Data File : J:\GC21\DATA\070620F\0706F150.D Vial: 24
Acq On : 07 Jul 2020 1:41 am Operator: TAP
Sample : RRO SVF02-93F 5000 Inst : GC21
Misc : Multiplr: 1.00
IntFile : rteint.p
Quant Time: Jul 07 07:38:52 2020 Quant Results File: 070620F.RES

Quant Method : J:\GC21\METHODS\070620F.M (RTE Integrator)
Title : 8015/NWTPH/AK SVF MJ257 CAL16158
Last Update : Tue Jul 07 07:38:43 2020
Response via : Initial Calibration
DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
Signal Phase : ZB-1
Signal Info : 15m x 0.25mm x 1.0 um

Compound	R.T.	Response	Conc Units
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System Monitoring Compounds

Target Compounds

10) H C25-C36in RRO [NWTPH]	6.71	4234730	3590.104 ppm
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Data File : J:\GC21\DATA\070620F\0706F150.D

Vial: 24

Acq On : 07 Jul 2020 1:41 am

Operator: TAP

Sample : RRO SVF02-93F 5000

Inst : GC21

Misc :

Multiplr: 1.00

IntFile : rteint.p

Quant Time: Jul 7 7:39 2020 Quant Results File: 070620F.RES

Quant Method : J:\GC21\METHODS\070620F.M (RTE Integrator)

Title : 8015/NWTPH/AK SVF MJ257 CAL16158

Last Update : Tue Jul 07 07:38:43 2020

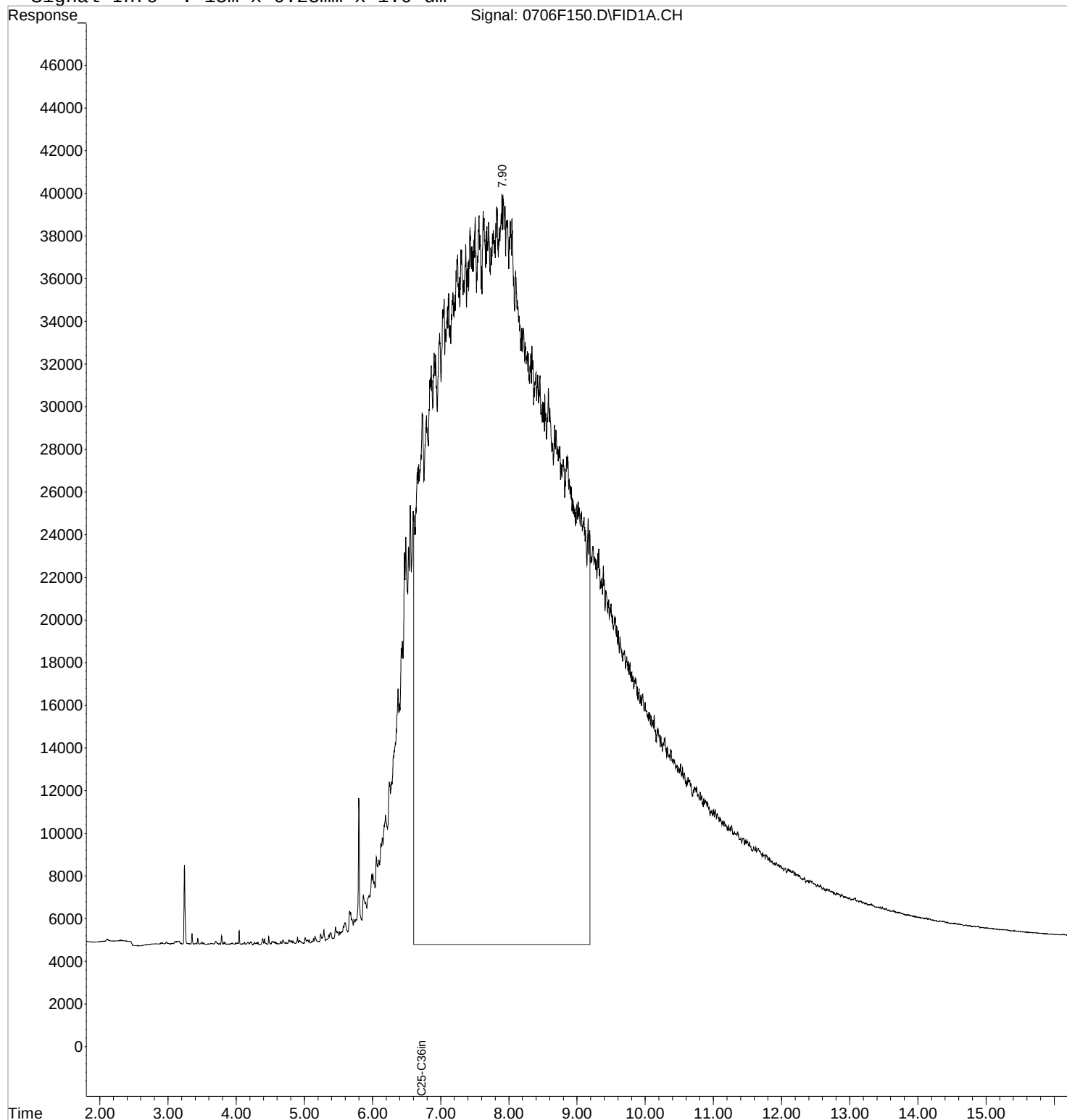
Response via : Single Level Calibration

DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL

Signal Phase : ZB-1

Signal Info : 15m x 0.25mm x 1.0 um



Data File : J:\GC21\DATA\070620F\0706F150.D

Vial: 24

Acq On : 07 Jul 2020 1:41 am

Operator: TAP

Sample : RRO SVF02-93F 5000

Inst : GC21

Misc :

Multiplr: 1.00

IntFile : rteint.p

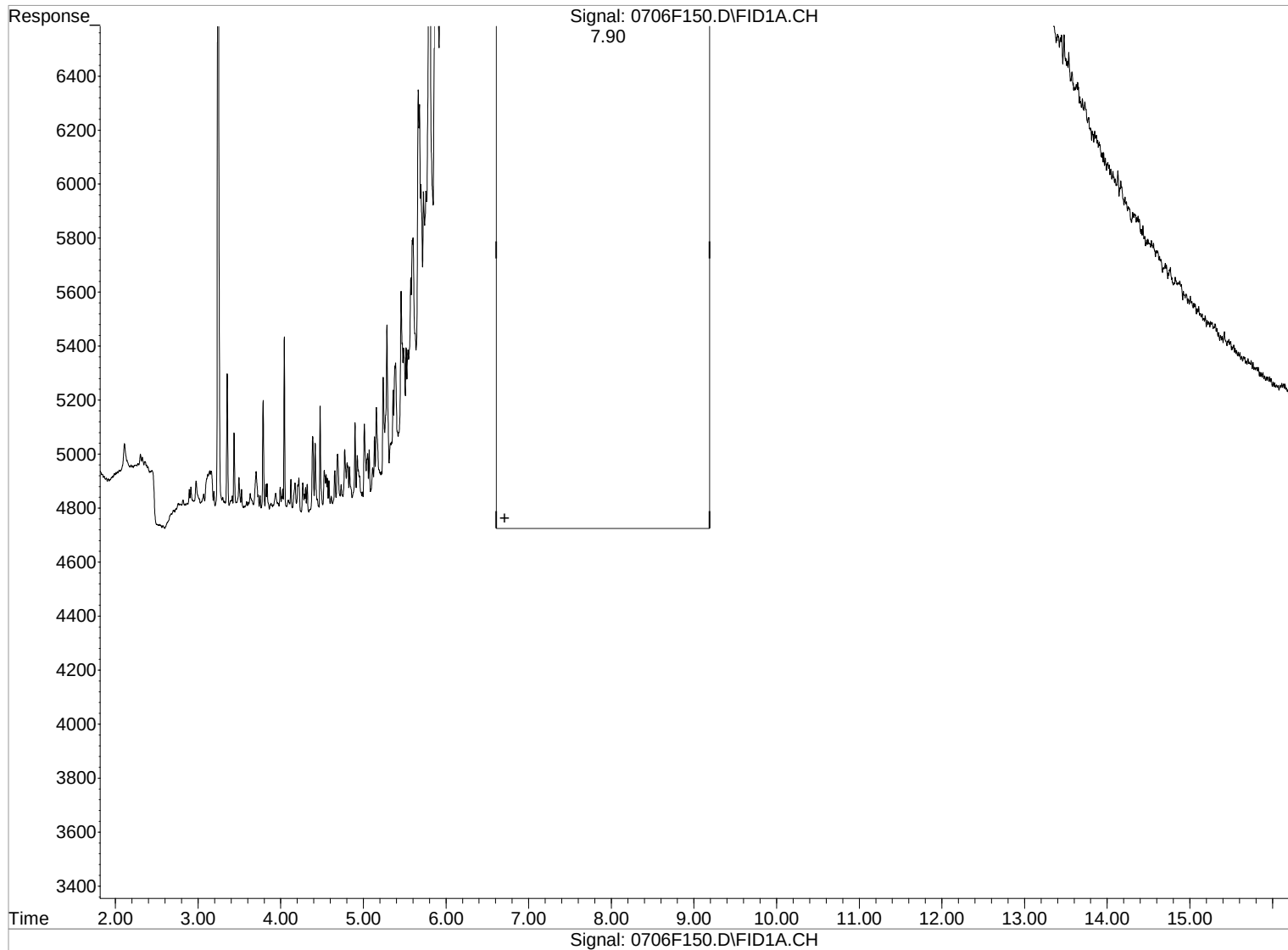
Quant Time: Jul 7 7:38 2020 Quant Results File: 070620F.RES

Method : J:\GC21\METHODS\070620F.M (RTE Integrator)

Title : 8015/NWTPH/AK SVF MJ257 CAL16158

Last Update : Tue Jul 07 07:38:43 2020

Response via : Multiple Level Calibration



(10) C25-C36in RRO [NWTPH] (H)

Manual Integration:

6.71min 3594.476ppm

Before

response 4239887

07/07/20

(+) = Expected Retention Time

Data File : J:\GC21\DATA\070620F\0706F150.D

Vial: 24

Acq On : 07 Jul 2020 1:41 am

Operator: TAP

Sample : RRO SVF02-93F 5000

Inst : GC21

Misc :

Multiplr: 1.00

IntFile : rteint.p

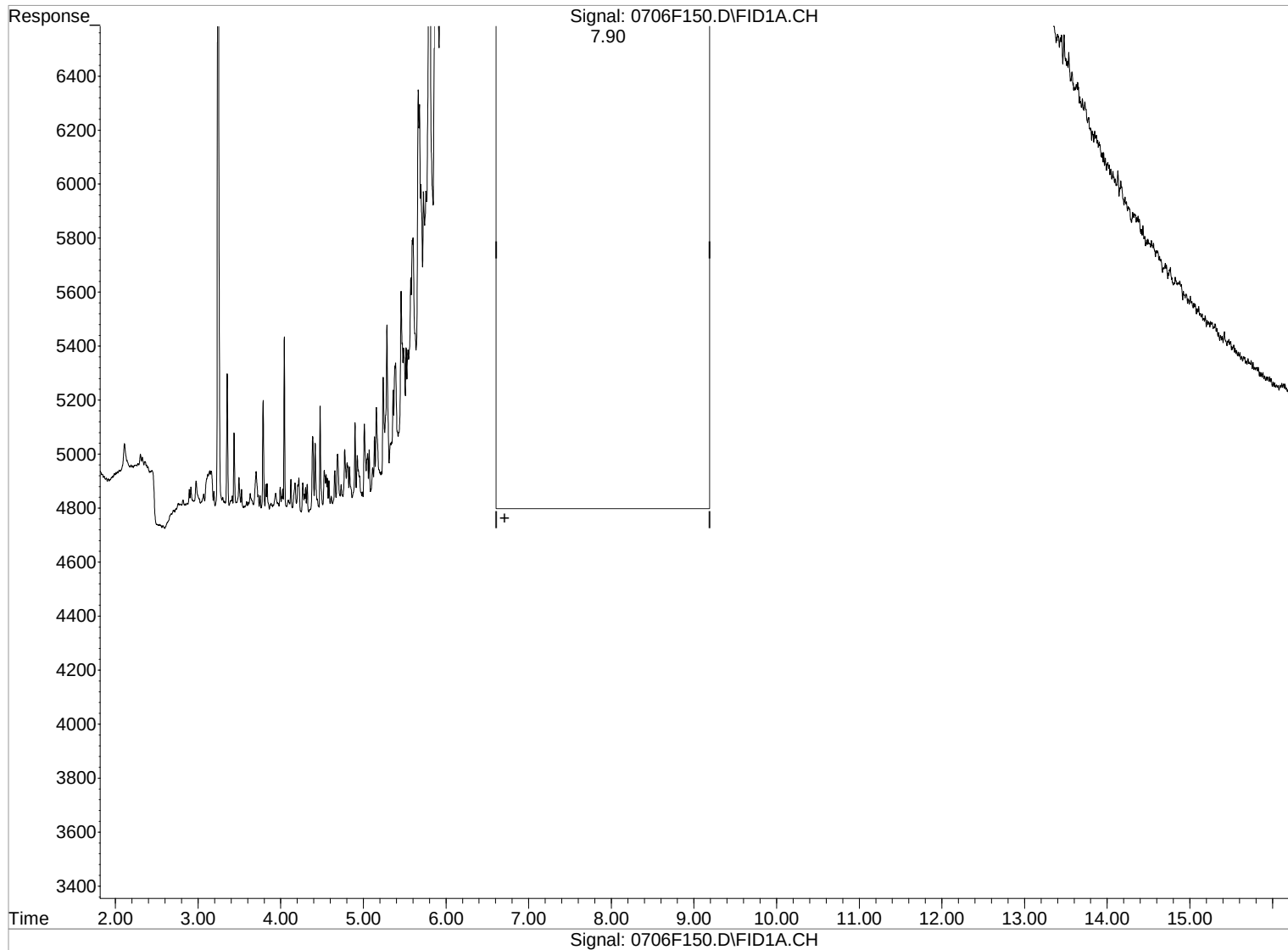
Quant Time: Jul 7 7:38 2020 Quant Results File: 070620F.RES

Method : J:\GC21\METHODS\070620F.M (RTE Integrator)

Title : 8015/NWTPH/AK SVF MJ257 CAL16158

Last Update : Tue Jul 07 07:38:43 2020

Response via : Multiple Level Calibration



(10) C25-C36in RRO [NWTPH] (H)

Manual Integration:

6.71min 3590.104ppm

After

response 4234730

Baseline/Shoulder

07/07/20

(+) = Expected Retention Time

Data File : J:\GC21\DATA\070620F\0706F151.D Vial: 86
Acq On : 07 Jul 2020 2:03 am Operator: TAP
Sample : IB Inst : GC21
Misc : Multiplr: 1.00
IntFile : rteint.p
Quant Time: Jul 07 07:42:28 2020 Quant Results File: 070620F.RES

Quant Method : J:\GC21\METHODS\070620F.M (RTE Integrator)
Title : 8015/NWTPH/AK SVF MJ257 CAL16158
Last Update : Tue Jul 07 07:41:23 2020
Response via : Initial Calibration
DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
Signal Phase : ZB-1
Signal Info : 15m x 0.25mm x 1.0 um

Compound	R.T.	Response	Conc Units
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System Monitoring Compounds

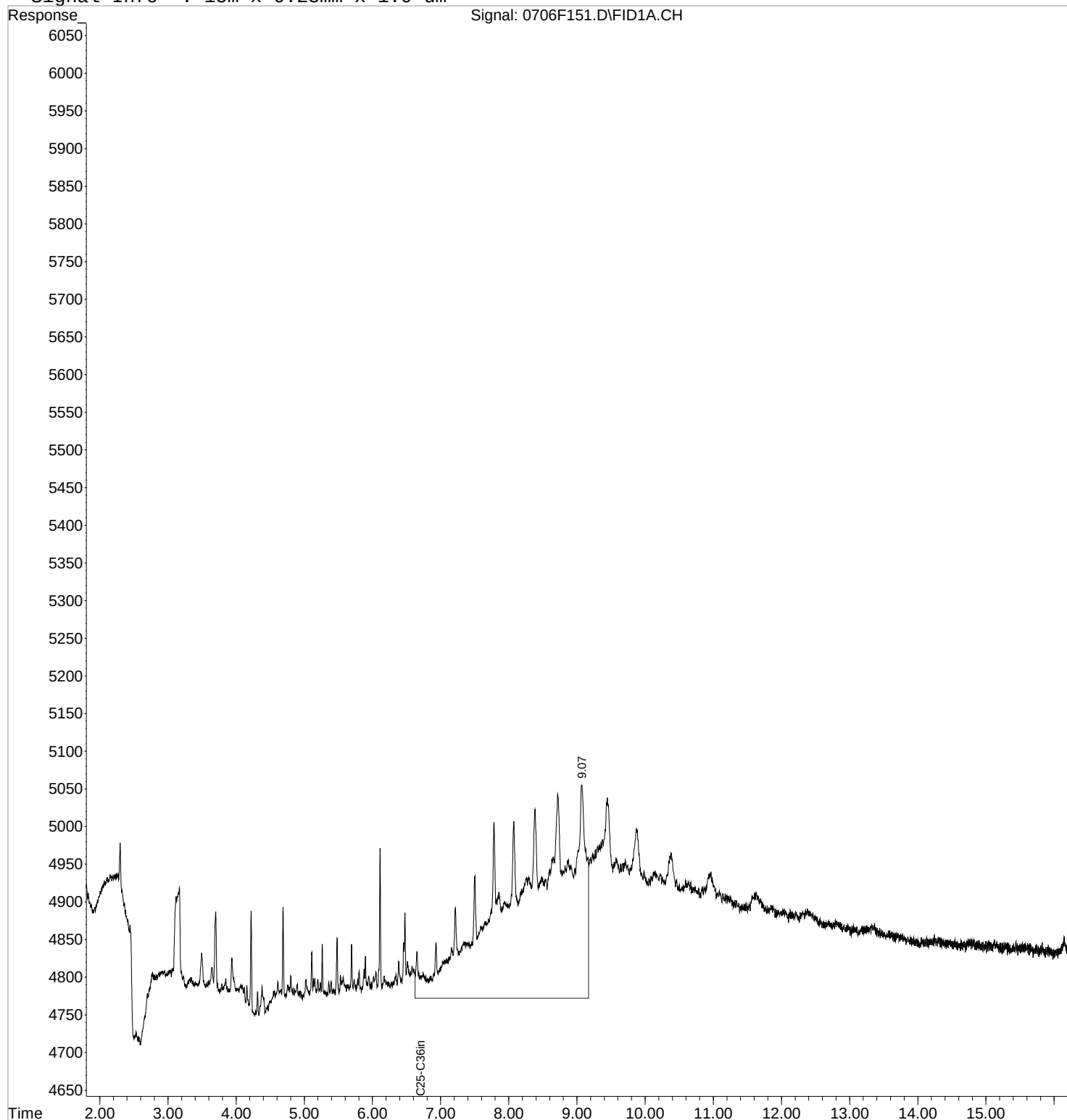
Target Compounds

10) H C25-C36in RRO [NWTPH]	6.71	18614	20.266 ppm
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Data File : J:\GC21\DATA\070620F\0706F151.D Vial: 86
Acq On : 07 Jul 2020 2:03 am Operator: TAP
Sample : IB Inst : GC21
Misc : Multiplr: 1.00
IntFile : rteint.p
Quant Time: Jul 7 7:43 2020 Quant Results File: 070620F.RES

Quant Method : J:\GC21\METHODS\070620F.M (RTE Integrator)
Title : 8015/NWTPH/AK SVF MJ257 CAL16158
Last Update : Tue Jul 07 07:41:23 2020
Response via : Single Level Calibration
DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
Signal Phase : ZB-1
Signal Info : 15m x 0.25mm x 1.0 um



Data File : J:\GC21\DATA\070620F\0706F151.D

Acq On : 07 Jul 2020 2:03 am

Sample : IB

Misc :

IntFile : rteint.p

Quant Time: Jul 7 7:42 2020 Quant Results File: 070620F.RES

Vial: 86

Operator: TAP

Inst : GC21

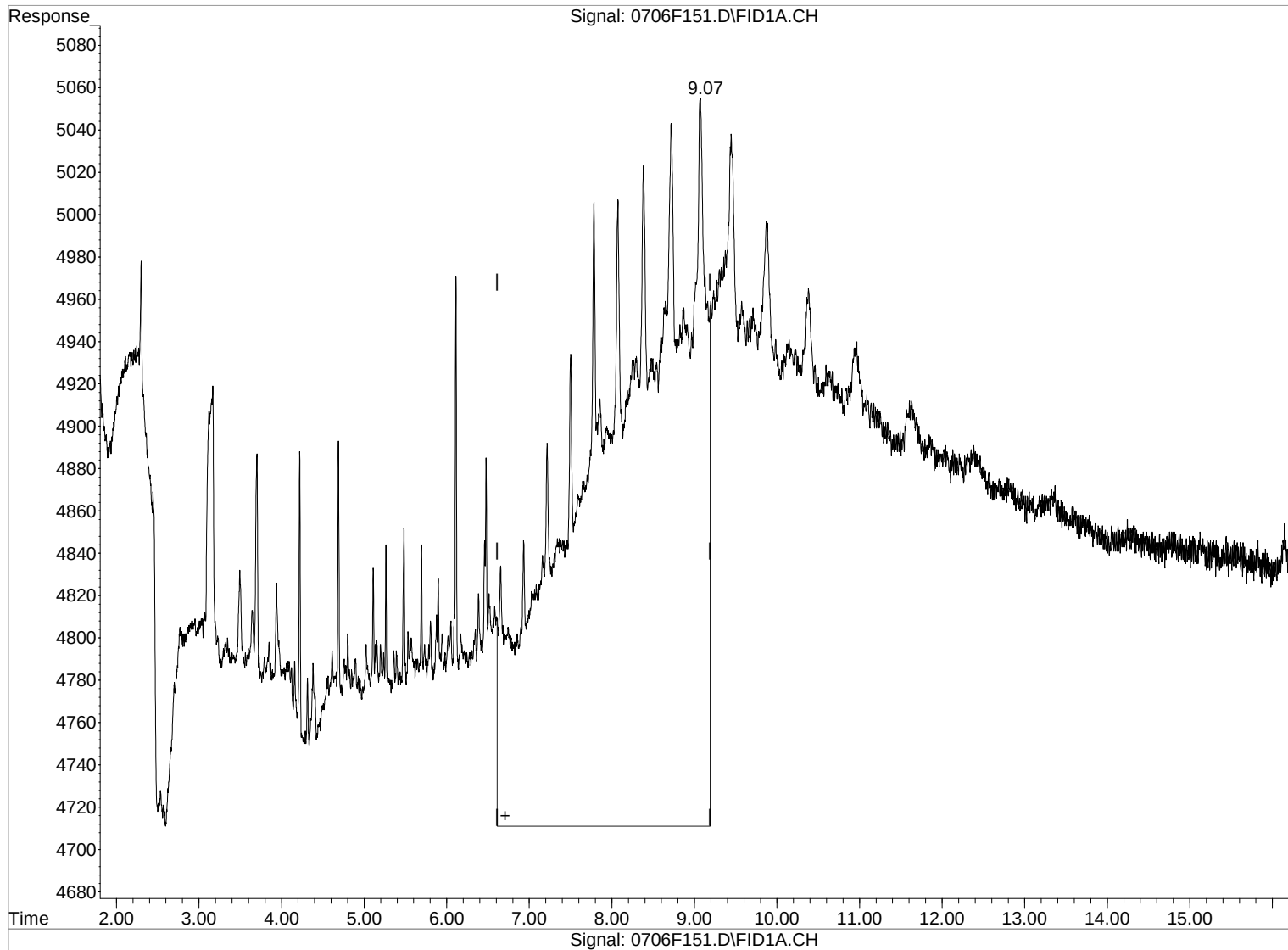
Multiplr: 1.00

Method : J:\GC21\METHODS\070620F.M (RTE Integrator)

Title : 8015/NWTPH/AK SVF MJ257 CAL16158

Last Update : Tue Jul 07 07:41:23 2020

Response via : Multiple Level Calibration



(10) C25-C36in RRO [NWTPH] (H)

Manual Integration:

6.71min 30.811ppm

Before

response 28300

07/07/20

(+) = Expected Retention Time

Data File : J:\GC21\DATA\070620F\0706F151.D

Acq On : 07 Jul 2020 2:03 am

Sample : IB

Misc :

IntFile : rteint.p

Quant Time: Jul 7 7:42 2020 Quant Results File: 070620F.RES

Vial: 86

Operator: TAP

Inst : GC21

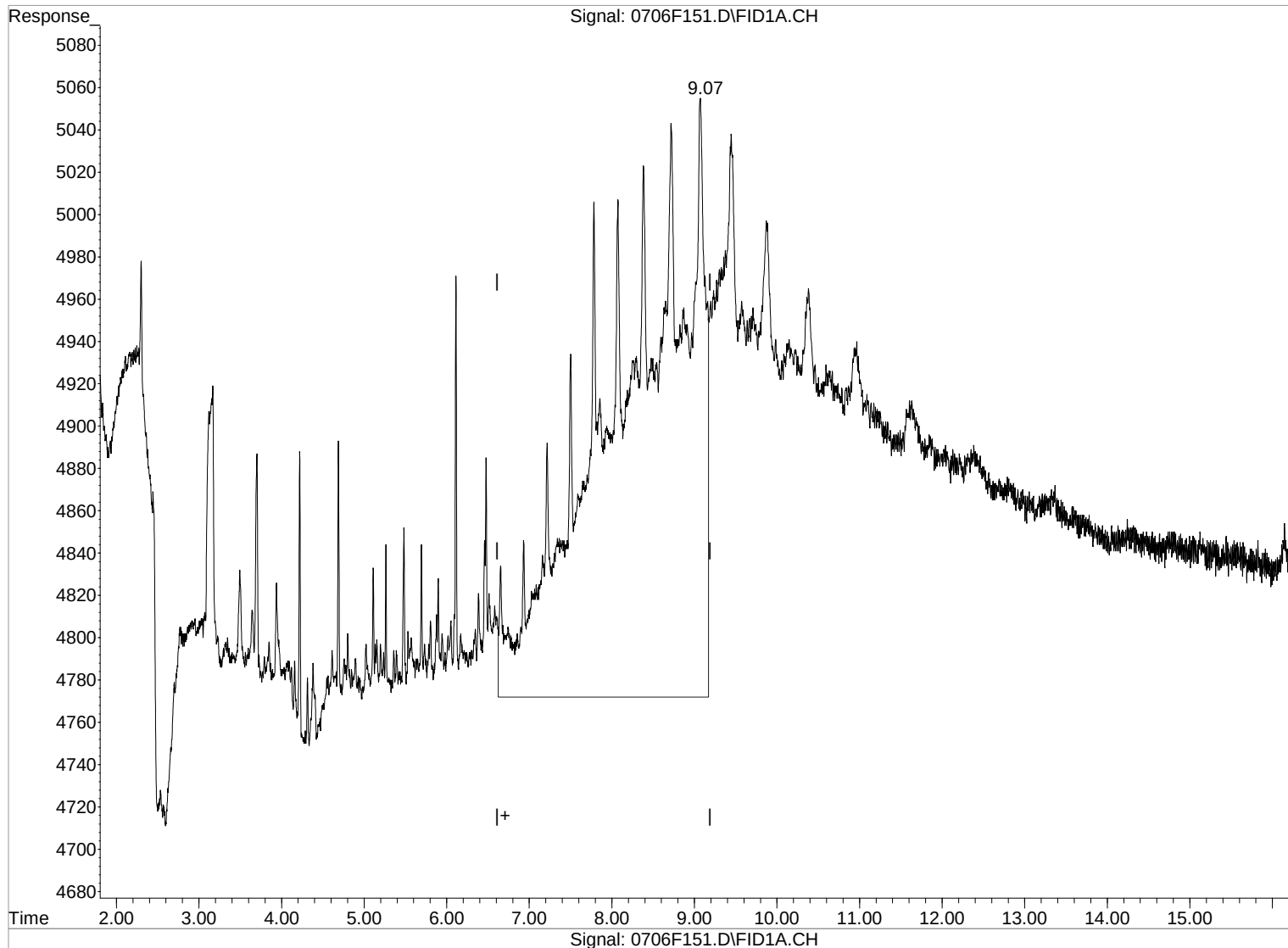
Multiplr: 1.00

Method : J:\GC21\METHODS\070620F.M (RTE Integrator)

Title : 8015/NWTPH/AK SVF MJ257 CAL16158

Last Update : Tue Jul 07 07:41:23 2020

Response via : Multiple Level Calibration



(10) C25-C36in RRO [NWTPH] (H)

6.71min 20.266ppm

response 18614

Manual Integration:

After

Baseline/Shoulder

07/07/20

(+) = Expected Retention Time

Data File : J:\GC21\DATA\070620F\0706F152.D Vial: 25
Acq On : 07 Jul 2020 2:26 am Operator: TAP
Sample : RRO SVF02-93K ICV@1000 Inst : GC21
Misc : Multiplr: 1.00
IntFile : rteint.p
Quant Time: Jul 07 07:41:32 2020 Quant Results File: 070620F.RES

Quant Method : J:\GC21\METHODS\070620F.M (RTE Integrator)
Title : 8015/NWTPH/AK SVF MJ257 CAL16158
Last Update : Tue Jul 07 07:41:23 2020
Response via : Initial Calibration
DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
Signal Phase : ZB-1
Signal Info : 15m x 0.25mm x 1.0 um

Compound	R.T.	Response	Conc Units
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System Monitoring Compounds

Target Compounds

10) H C25-C36in RRO [NWTPH]	6.71	829320	902.902 ppm
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Data File : J:\GC21\DATA\070620F\0706F152.D

Vial: 25

Acq On : 07 Jul 2020 2:26 am

Operator: TAP

Sample : RRO SVF02-93K ICV@1000

Inst : GC21

Misc :

Multiplr: 1.00

IntFile : rteint.p

Quant Time: Jul 7 7:42 2020 Quant Results File: 070620F.RES

Quant Method : J:\GC21\METHODS\070620F.M (RTE Integrator)

Title : 8015/NWTPH/AK SVF MJ257 CAL16158

Last Update : Tue Jul 07 07:41:23 2020

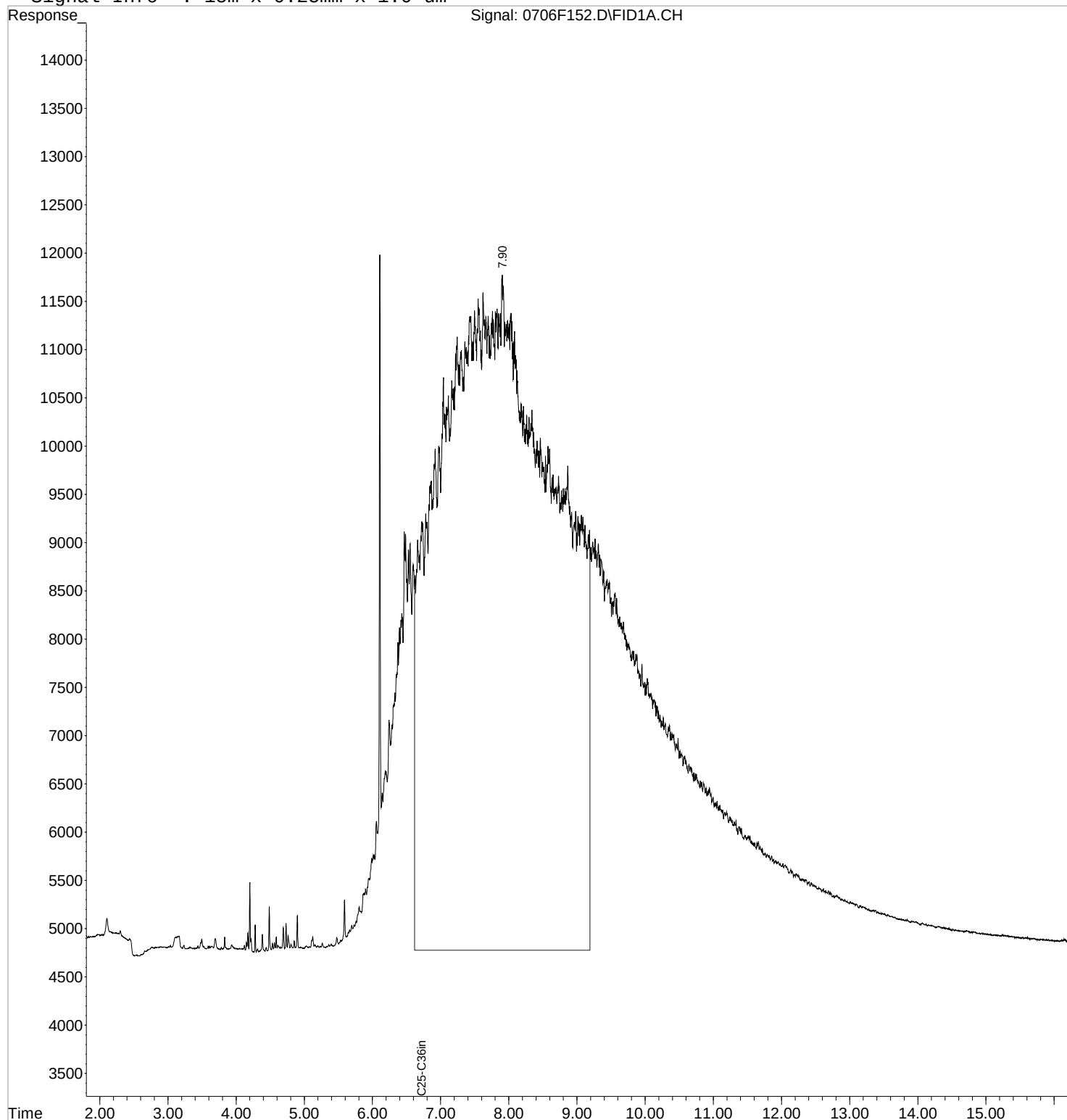
Response via : Single Level Calibration

DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL

Signal Phase : ZB-1

Signal Info : 15m x 0.25mm x 1.0 um



Data File : J:\GC21\DATA\070620F\0706F152.D

Vial: 25

Acq On : 07 Jul 2020 2:26 am

Operator: TAP

Sample : RRO SVF02-93K ICV@1000

Inst : GC21

Misc :

Multiplr: 1.00

IntFile : rteint.p

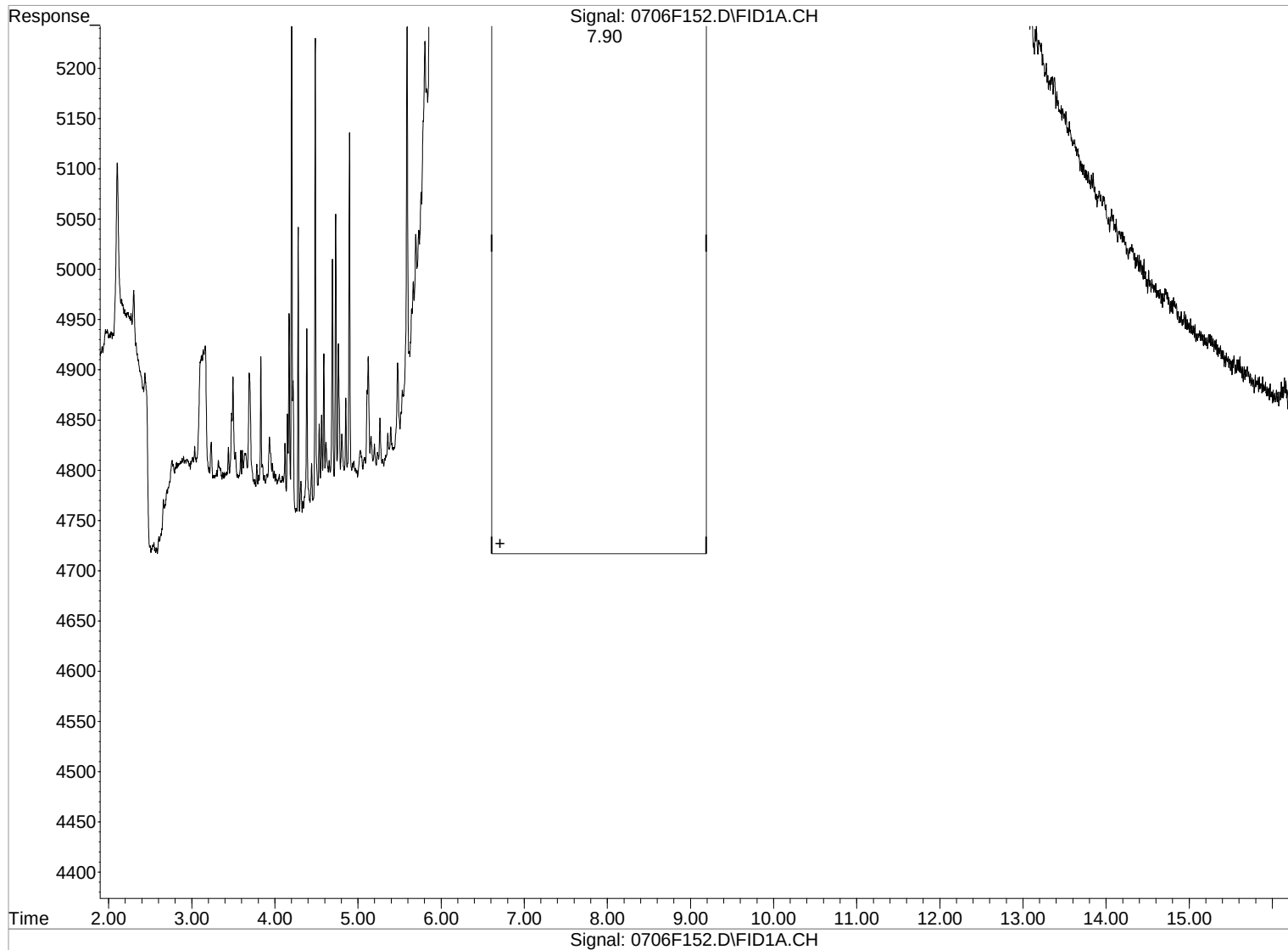
Quant Time: Jul 7 7:41 2020 Quant Results File: 070620F.RES

Method : J:\GC21\METHODS\070620F.M (RTE Integrator)

Title : 8015/NWTPH/AK SVF MJ257 CAL16158

Last Update : Tue Jul 07 07:41:23 2020

Response via : Multiple Level Calibration



(10) C25-C36in RRO [NWTPH] (H)

Manual Integration:

6.71min 915.067ppm

Before

response 840493

07/07/20

(+) = Expected Retention Time

Data File : J:\GC21\DATA\070620F\0706F152.D

Vial: 25

Acq On : 07 Jul 2020 2:26 am

Operator: TAP

Sample : RRO SVF02-93K ICV@1000

Inst : GC21

Misc :

Multiplr: 1.00

IntFile : rteint.p

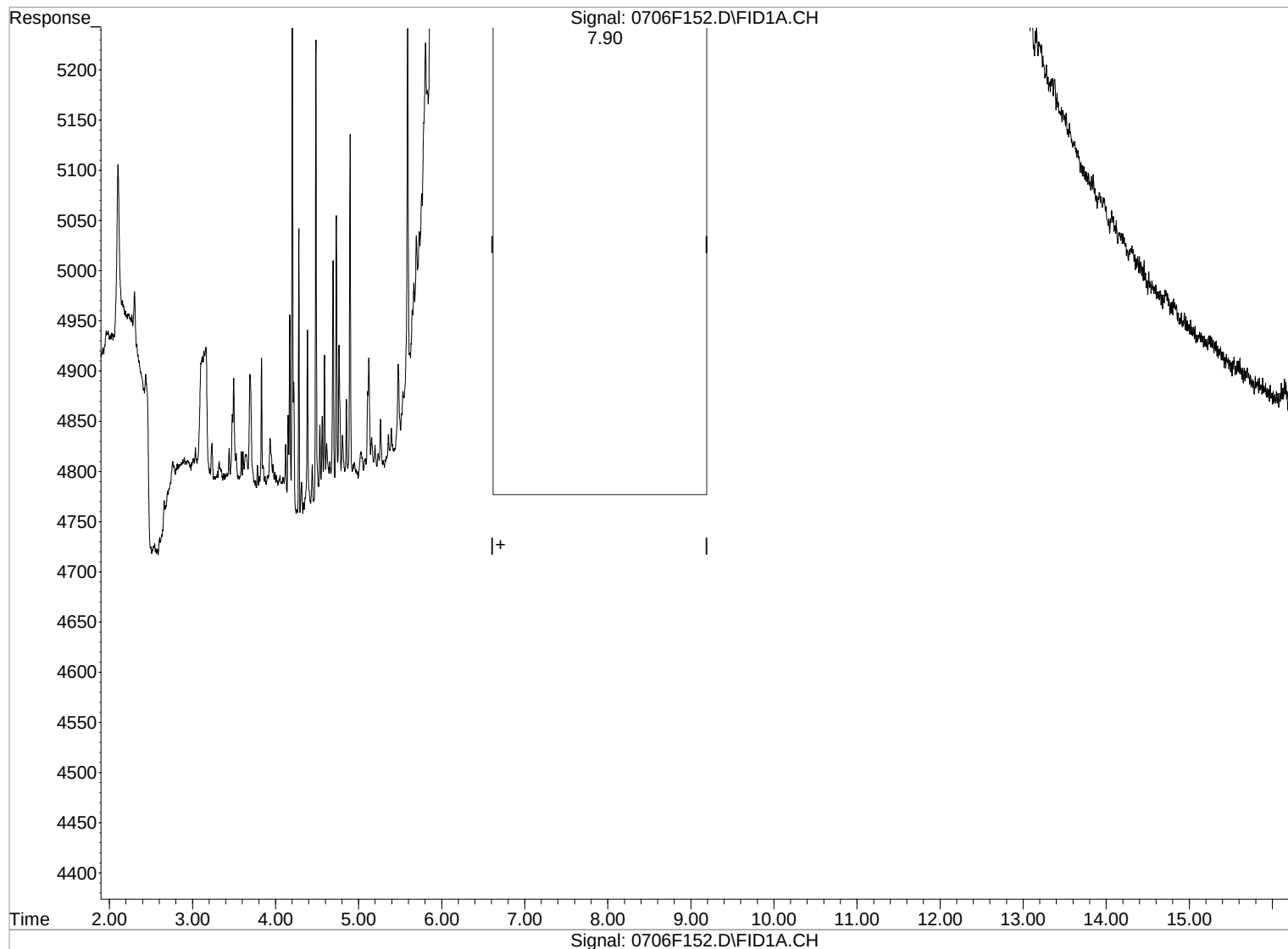
Quant Time: Jul 7 7:41 2020 Quant Results File: 070620F.RES

Method : J:\GC21\METHODS\070620F.M (RTE Integrator)

Title : 8015/NWTPH/AK SVF MJ257 CAL16158

Last Update : Tue Jul 07 07:41:23 2020

Response via : Multiple Level Calibration



(10) C25-C36in RRO [NWTPH] (H)

Manual Integration:

6.71min 902.902ppm

After

response 829320

Baseline/Shoulder

07/07/20

(+) = Expected Retention Time

0706F152.D 070620F.M Tue Jul 07 07:42 16 2020

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Data File : J:\GC21\DATA\070620F\0706F156.D Vial: 86
Acq On : 07 Jul 2020 3:33 am Operator: TAP
Sample : ICAL BLANK Inst : GC21
Misc : Multiplr: 1.00
IntFile : rteint.p
Quant Time: Jul 07 07:53:59 2020 Quant Results File: 070620F.RES

Quant Method : J:\GC21\METHODS\070620F.M (RTE Integrator)
Title : 8015/NWTPH/AK SVF MJ257 CAL16158
Last Update : Tue Jul 07 07:52:15 2020
Response via : Initial Calibration
DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
Signal Phase : ZB-1
Signal Info : 15m x 0.25mm x 1.0 um

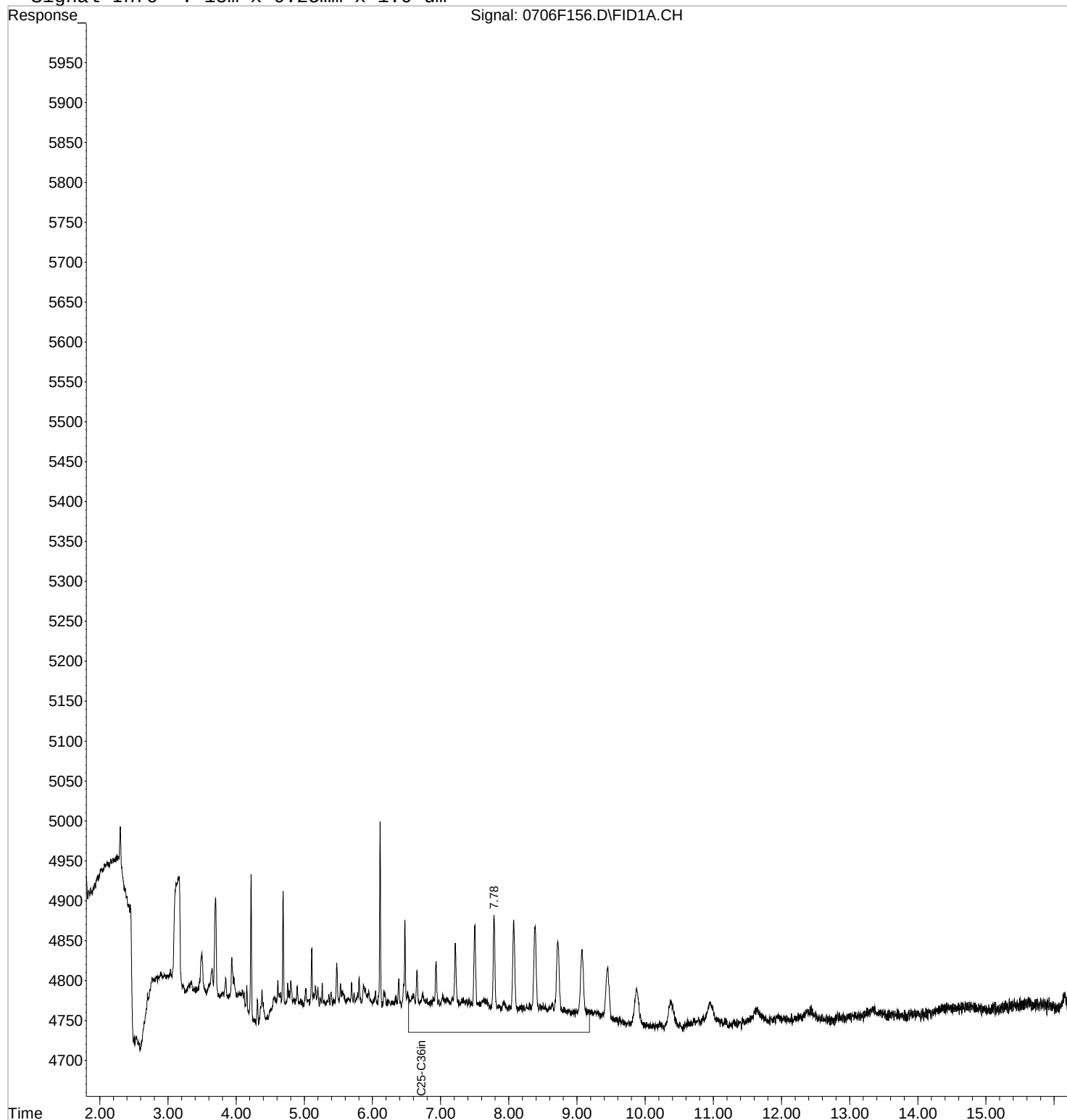
Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
Target Compounds			
11) H C25-C36in RRO [AK103]	6.71	6833	7.863 ppm

Data File : J:\GC21\DATA\070620F\0706F156.D Vial: 86
Acq On : 07 Jul 2020 3:33 am Operator: TAP
Sample : ICAL BLANK Inst : GC21
Misc : Multiplr: 1.00
IntFile : rteint.p
Quant Time: Jul 7 7:54 2020 Quant Results File: 070620F.RES

Quant Method : J:\GC21\METHODS\070620F.M (RTE Integrator)
Title : 8015/NWTPH/AK SVF MJ257 CAL16158
Last Update : Tue Jul 07 07:52:15 2020
Response via : Single Level Calibration
DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
Signal Phase : ZB-1
Signal Info : 15m x 0.25mm x 1.0 um



Data File : J:\GC21\DATA\070620F\0706F156.D

Acq On : 07 Jul 2020 3:33 am

Sample : ICAL BLANK

Misc :

IntFile : rteint.p

Quant Time: Jul 7 7:54 2020 Quant Results File: 070620F.RES

Vial: 86

Operator: TAP

Inst : GC21

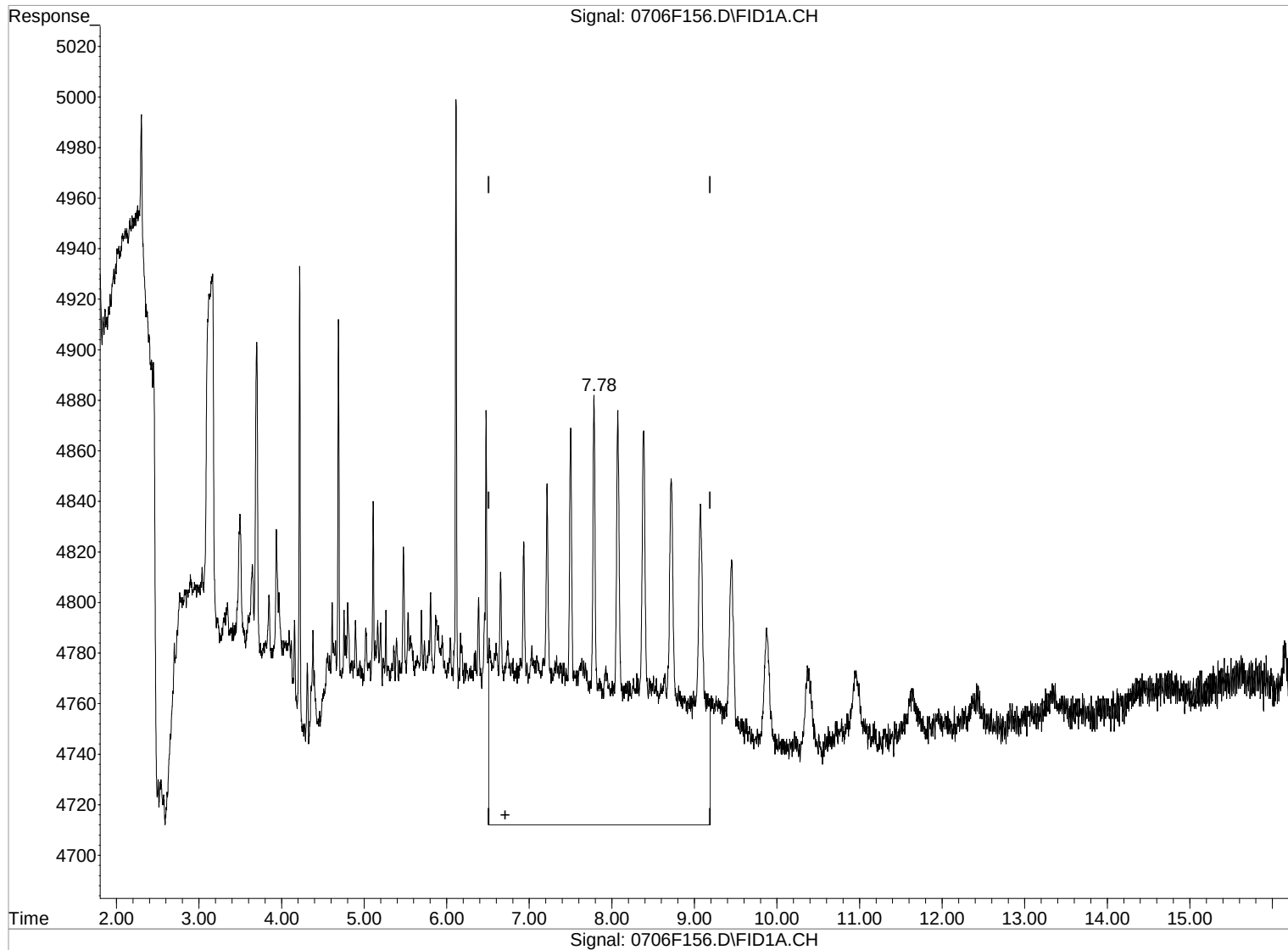
Multiplr: 1.00

Method : J:\GC21\METHODS\070620F.M (RTE Integrator)

Title : 8015/NWTPH/AK SVF MJ257 CAL16158

Last Update : Tue Jul 07 07:52:15 2020

Response via : Multiple Level Calibration



(11) C25-C36in RRO [AK103] (H)

Manual Integration:

6.71min 12.190ppm

Before

response 10593

07/07/20

(+) = Expected Retention Time

Data File : J:\GC21\DATA\070620F\0706F156.D

Acq On : 07 Jul 2020 3:33 am

Sample : ICAL BLANK

Misc :

IntFile : rteint.p

Quant Time: Jul 7 7:54 2020 Quant Results File: 070620F.RES

Vial: 86

Operator: TAP

Inst : GC21

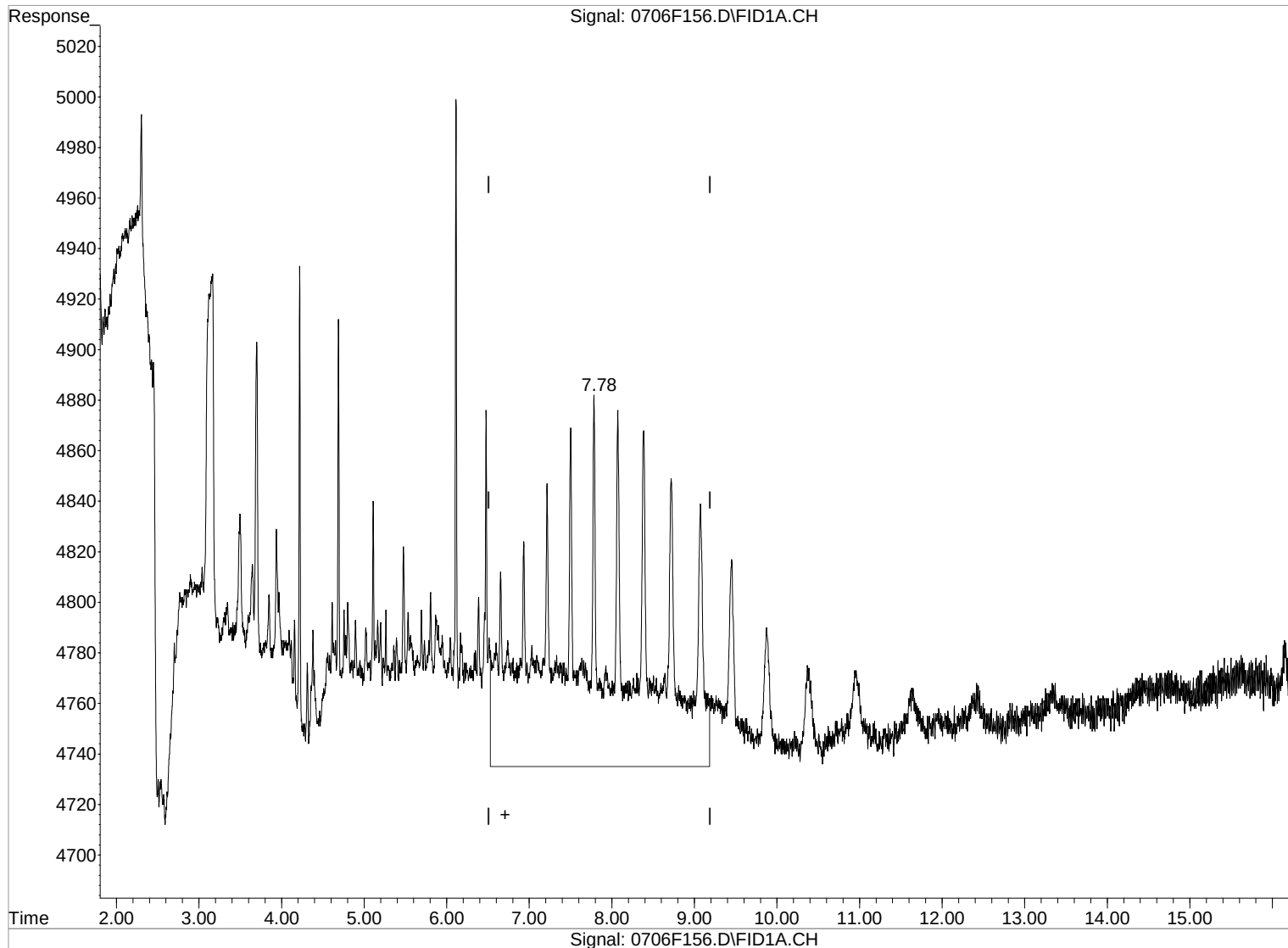
Multiplr: 1.00

Method : J:\GC21\METHODS\070620F.M (RTE Integrator)

Title : 8015/NWTPH/AK SVF MJ257 CAL16158

Last Update : Tue Jul 07 07:52:15 2020

Response via : Multiple Level Calibration



(11) C25-C36in RRO [AK103] (H)

6.71min 7.863ppm

response 6833

Manual Integration:

After

Baseline/Shoulder

07/07/20

(+) = Expected Retention Time

Data File : J:\GC21\DATA\070620F\0706F157.D Vial: 26
Acq On : 07 Jul 2020 3:56 am Operator: TAP
Sample : AK103 SVF02-94B 50 Inst : GC21
Misc : Multiplr: 1.00
IntFile : rteint.p
Quant Time: Jul 07 07:45:47 2020 Quant Results File: 070620F.RES

Quant Method : J:\GC21\METHODS\070620F.M (RTE Integrator)
Title : 8015/NWTPH/AK SVF MJ257 CAL16158
Last Update : Tue Jul 07 07:41:23 2020
Response via : Initial Calibration
DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
Signal Phase : ZB-1
Signal Info : 15m x 0.25mm x 1.0 um

Compound	R.T.	Response	Conc Units
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System Monitoring Compounds

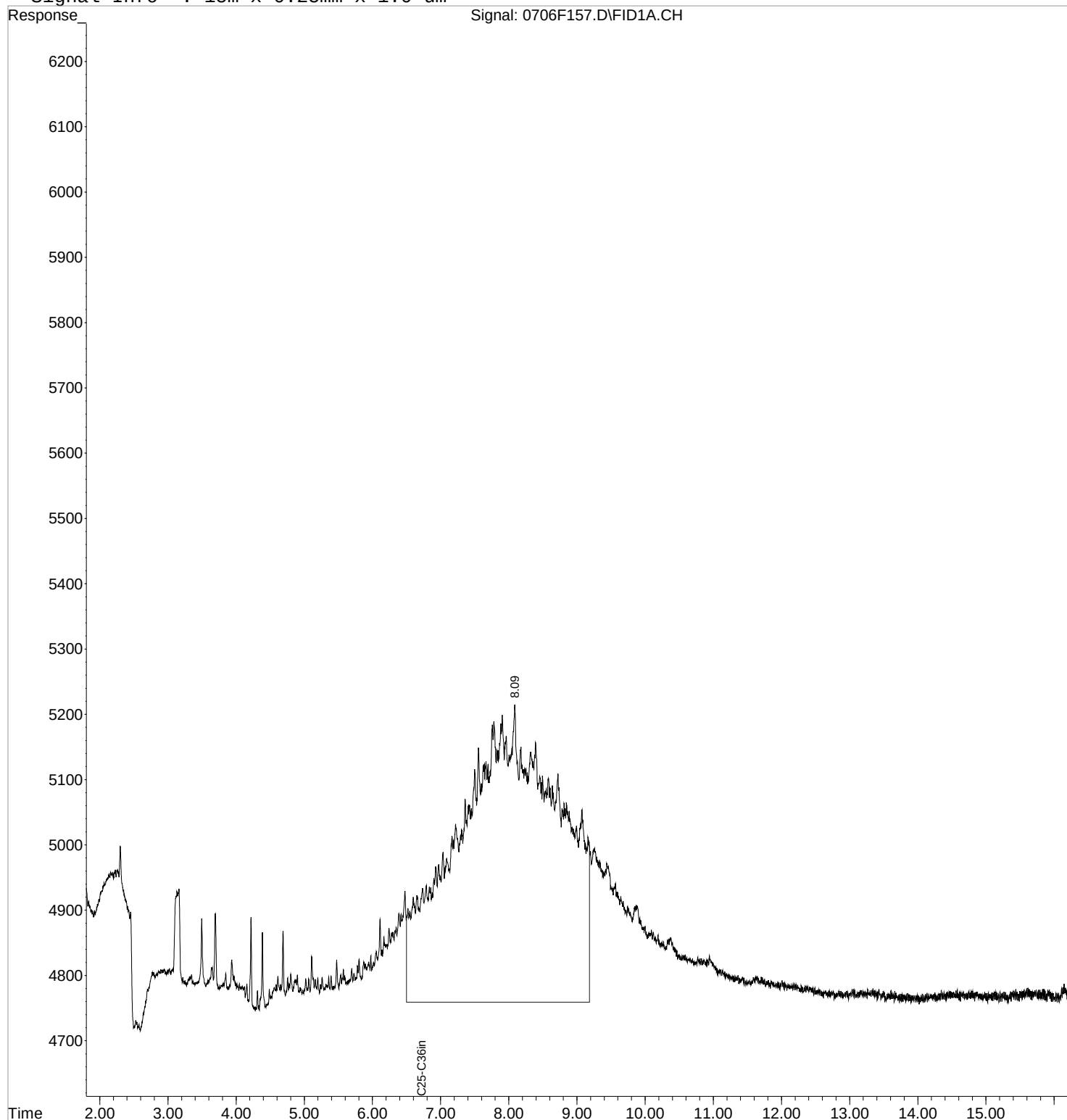
Target Compounds

11) H C25-C36in RRO [AK103]	6.71	46209	51.528 ppm
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Data File : J:\GC21\DATA\070620F\0706F157.D Vial: 26
Acq On : 07 Jul 2020 3:56 am Operator: TAP
Sample : AK103 SVF02-94B 50 Inst : GC21
Misc : Multiplr: 1.00
IntFile : rteint.p
Quant Time: Jul 7 7:47 2020 Quant Results File: 070620F.RES

Quant Method : J:\GC21\METHODS\070620F.M (RTE Integrator)
Title : 8015/NWTPH/AK SVF MJ257 CAL16158
Last Update : Tue Jul 07 07:41:23 2020
Response via : Single Level Calibration
DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
Signal Phase : ZB-1
Signal Info : 15m x 0.25mm x 1.0 um



Data File : J:\GC21\DATA\070620F\0706F157.D

Acq On : 07 Jul 2020 3:56 am

Sample : AK103 SVF02-94B 50

Misc :

IntFile : rteint.p

Quant Time: Jul 7 7:45 2020 Quant Results File: 070620F.RES

Vial: 26

Operator: TAP

Inst : GC21

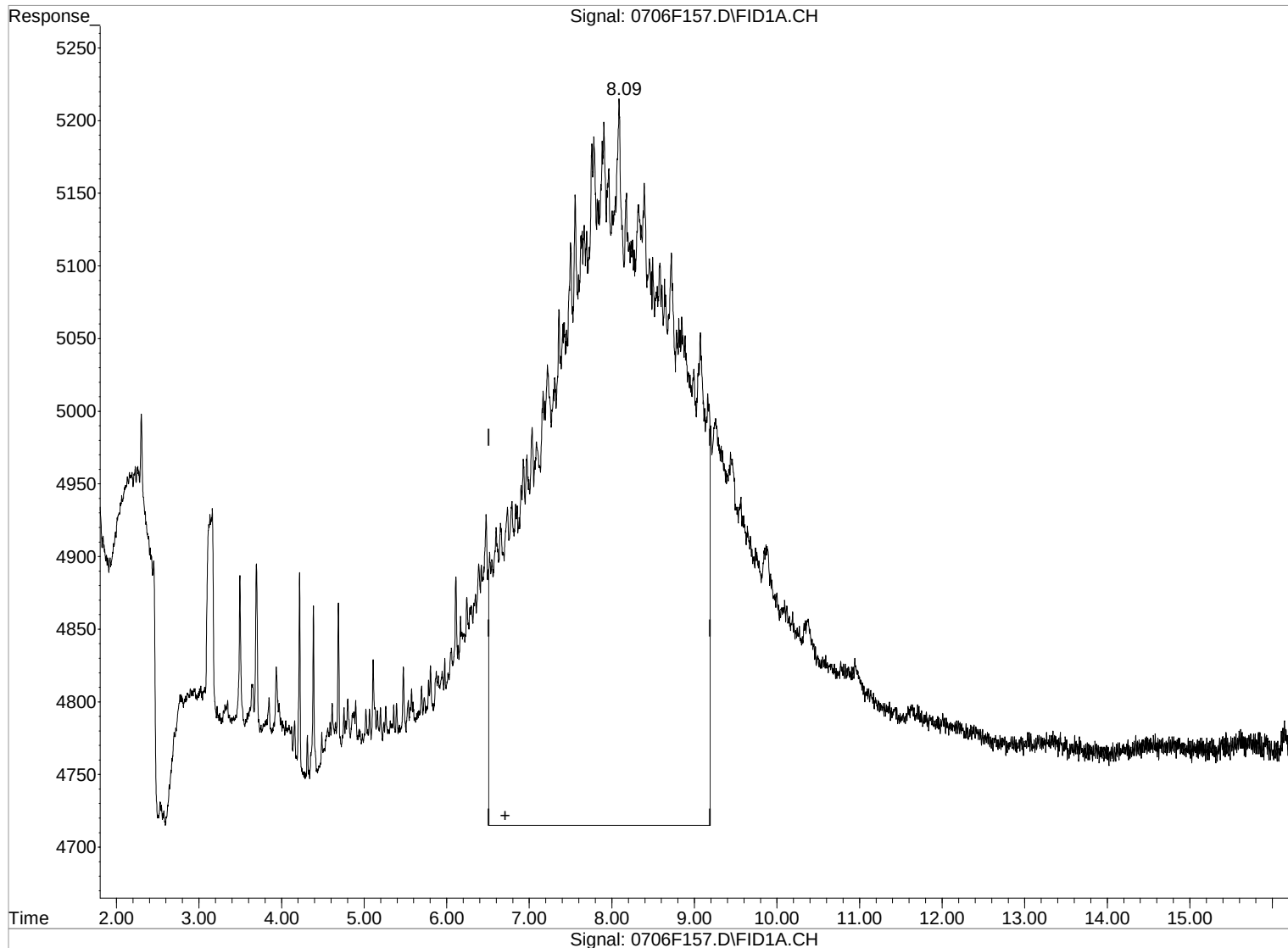
Multiplr: 1.00

Method : J:\GC21\METHODS\070620F.M (RTE Integrator)

Title : 8015/NWTPH/AK SVF MJ257 CAL16158

Last Update : Tue Jul 07 07:41:23 2020

Response via : Multiple Level Calibration



(11) C25-C36in RRO [AK103] (H)

6.71min 59.433ppm

response 53298

Manual Integration:

Before

07/07/20

(+) = Expected Retention Time

Data File : J:\GC21\DATA\070620F\0706F157.D

Acq On : 07 Jul 2020 3:56 am

Sample : AK103 SVF02-94B 50

Misc :

IntFile : rteint.p

Quant Time: Jul 7 7:45 2020 Quant Results File: 070620F.RES

Vial: 26

Operator: TAP

Inst : GC21

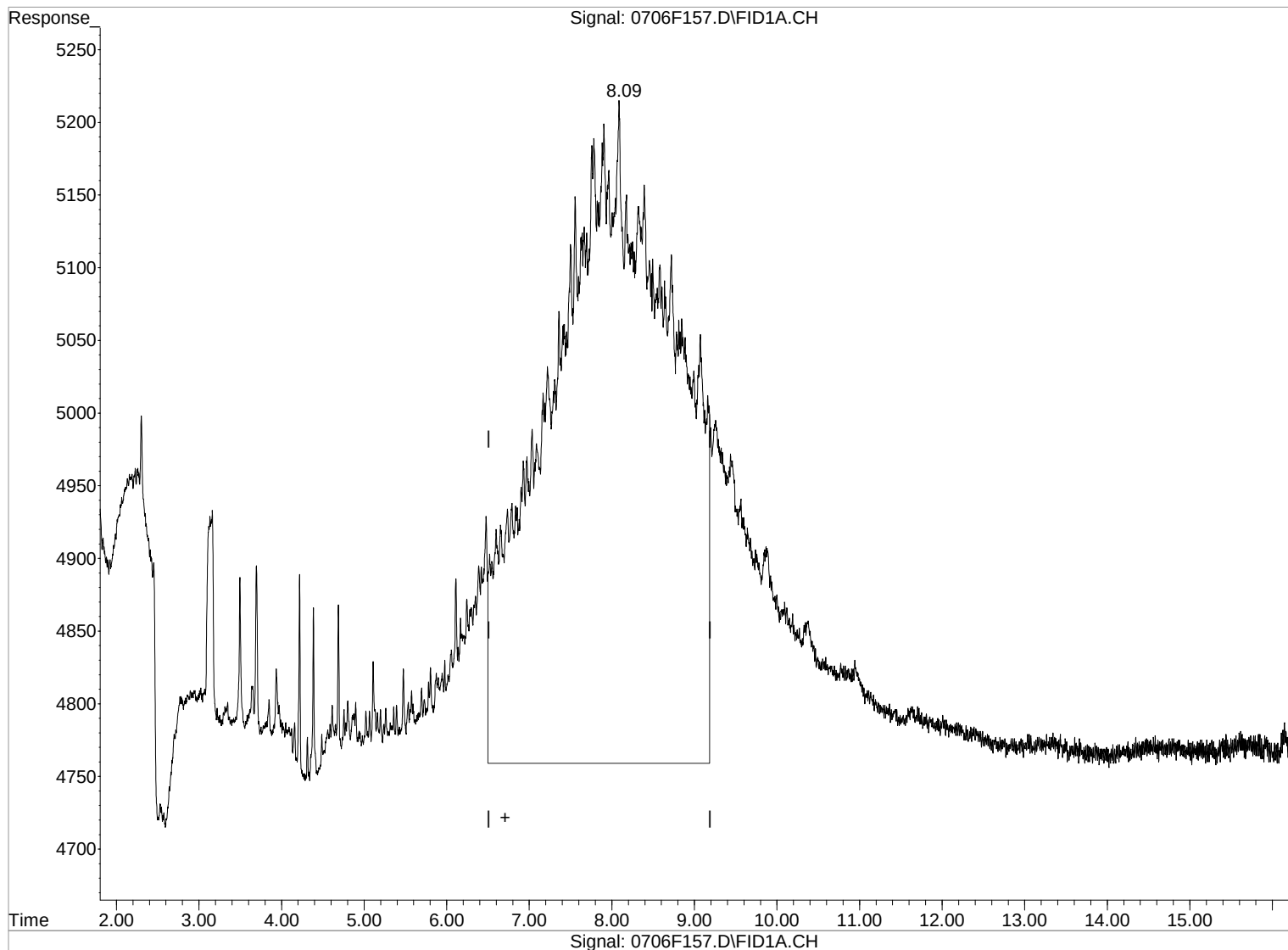
Multiplr: 1.00

Method : J:\GC21\METHODS\070620F.M (RTE Integrator)

Title : 8015/NWTPH/AK SVF MJ257 CAL16158

Last Update : Tue Jul 07 07:41:23 2020

Response via : Multiple Level Calibration



(11) C25-C36in RRO [AK103] (H)

6.71min 51.528ppm

response 46209

Manual Integration:

After

Baseline/Shoulder

07/07/20

(+) = Expected Retention Time

0706F157.D 070620F.M Tue Jul 07 07:47:04 2020

Page 388 of 438

Data File : J:\GC21\DATA\070620F\0706F158.D Vial: 27
Acq On : 07 Jul 2020 4:18 am Operator: TAP
Sample : AK103 SVF02-94A 200 Inst : GC21
Misc : Multiplr: 1.00
IntFile : rteint.p
Quant Time: Jul 07 07:47:41 2020 Quant Results File: 070620F.RES

Quant Method : J:\GC21\METHODS\070620F.M (RTE Integrator)
Title : 8015/NWTPH/AK SVF MJ257 CAL16158
Last Update : Tue Jul 07 07:47:32 2020
Response via : Initial Calibration
DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
Signal Phase : ZB-1
Signal Info : 15m x 0.25mm x 1.0 um

Compound	R.T.	Response	Conc Units
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System Monitoring Compounds

Target Compounds

11) H C25-C36in RRO [AK103]	6.71	183471	211.397 ppm
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Data File : J:\GC21\DATA\070620F\0706F158.D

Vial: 27

Acq On : 07 Jul 2020 4:18 am

Operator: TAP

Sample : AK103 SVF02-94A 200

Inst : GC21

Misc :

Multiplr: 1.00

IntFile : rteint.p

Quant Time: Jul 7 7:48 2020 Quant Results File: 070620F.RES

Quant Method : J:\GC21\METHODS\070620F.M (RTE Integrator)

Title : 8015/NWTPH/AK SVF MJ257 CAL16158

Last Update : Tue Jul 07 07:47:32 2020

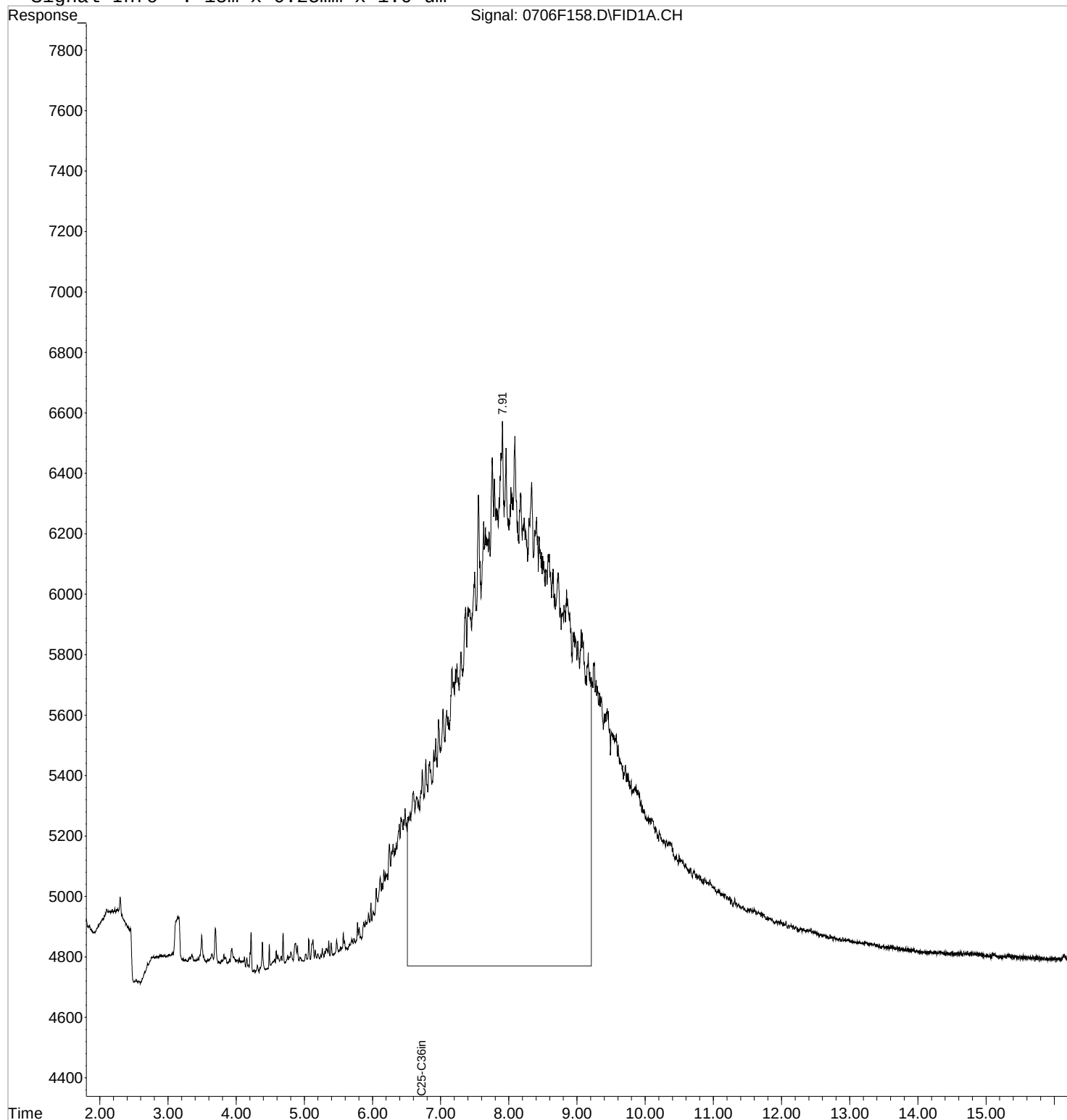
Response via : Single Level Calibration

DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL

Signal Phase : ZB-1

Signal Info : 15m x 0.25mm x 1.0 um



Data File : J:\GC21\DATA\070620F\0706F158.D

Acq On : 07 Jul 2020 4:18 am

Sample : AK103 SVF02-94A 200

Misc :

IntFile : rteint.p

Quant Time: Jul 7 7:48 2020 Quant Results File: 070620F.RES

Vial: 27

Operator: TAP

Inst : GC21

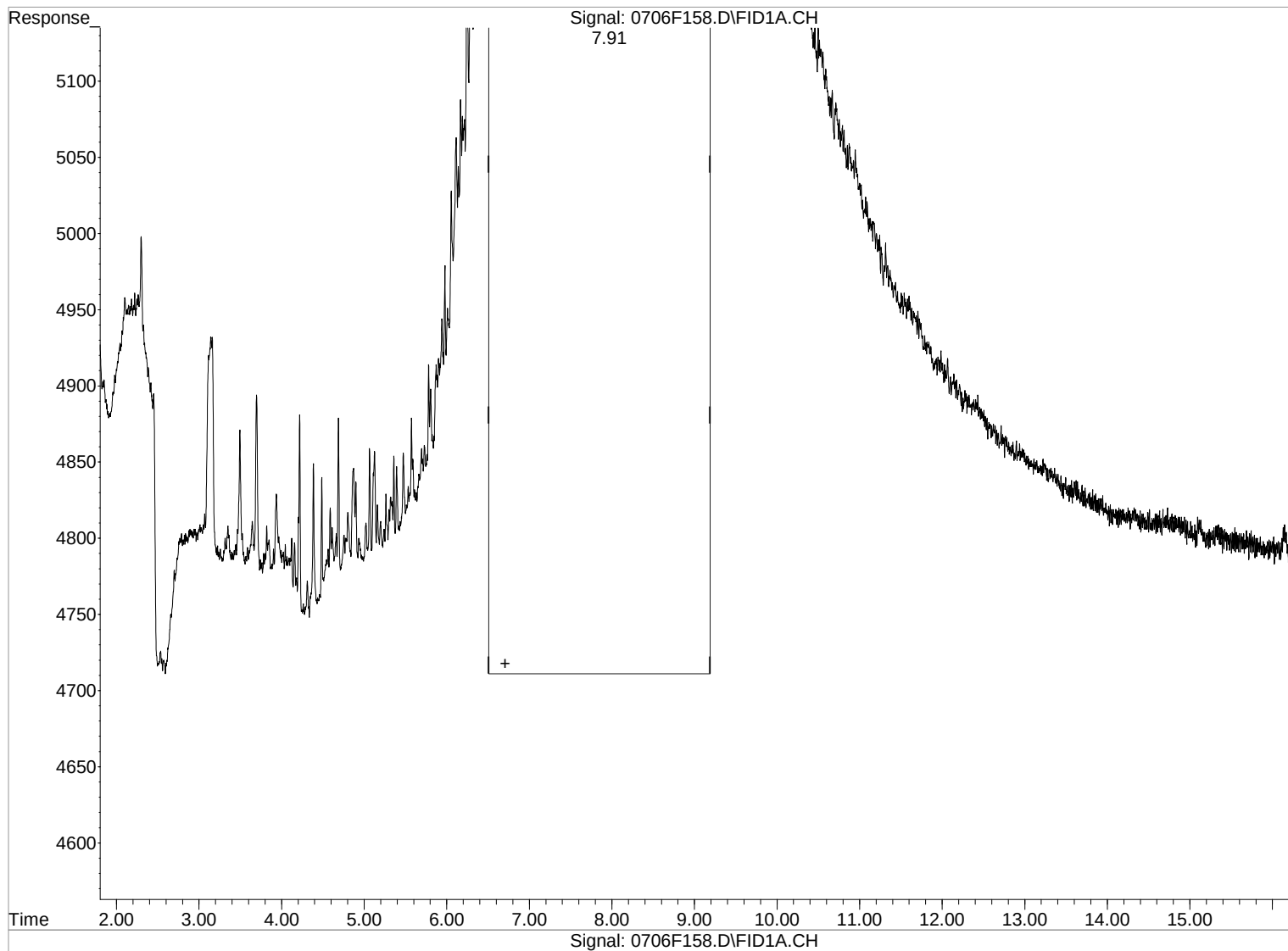
Multiplr: 1.00

Method : J:\GC21\METHODS\070620F.M (RTE Integrator)

Title : 8015/NWTPH/AK SVF MJ257 CAL16158

Last Update : Tue Jul 07 07:48:17 2020

Response via : Multiple Level Calibration



(11) C25-C36in RRO [AK103] (H)

Manual Integration:

6.71min 221.134ppm

Before

response 191922

07/07/20

(+) = Expected Retention Time

Data File : J:\GC21\DATA\070620F\0706F158.D

Acq On : 07 Jul 2020 4:18 am

Sample : AK103 SVF02-94A 200

Misc :

IntFile : rteint.p

Quant Time: Jul 7 7:48 2020 Quant Results File: 070620F.RES

Vial: 27

Operator: TAP

Inst : GC21

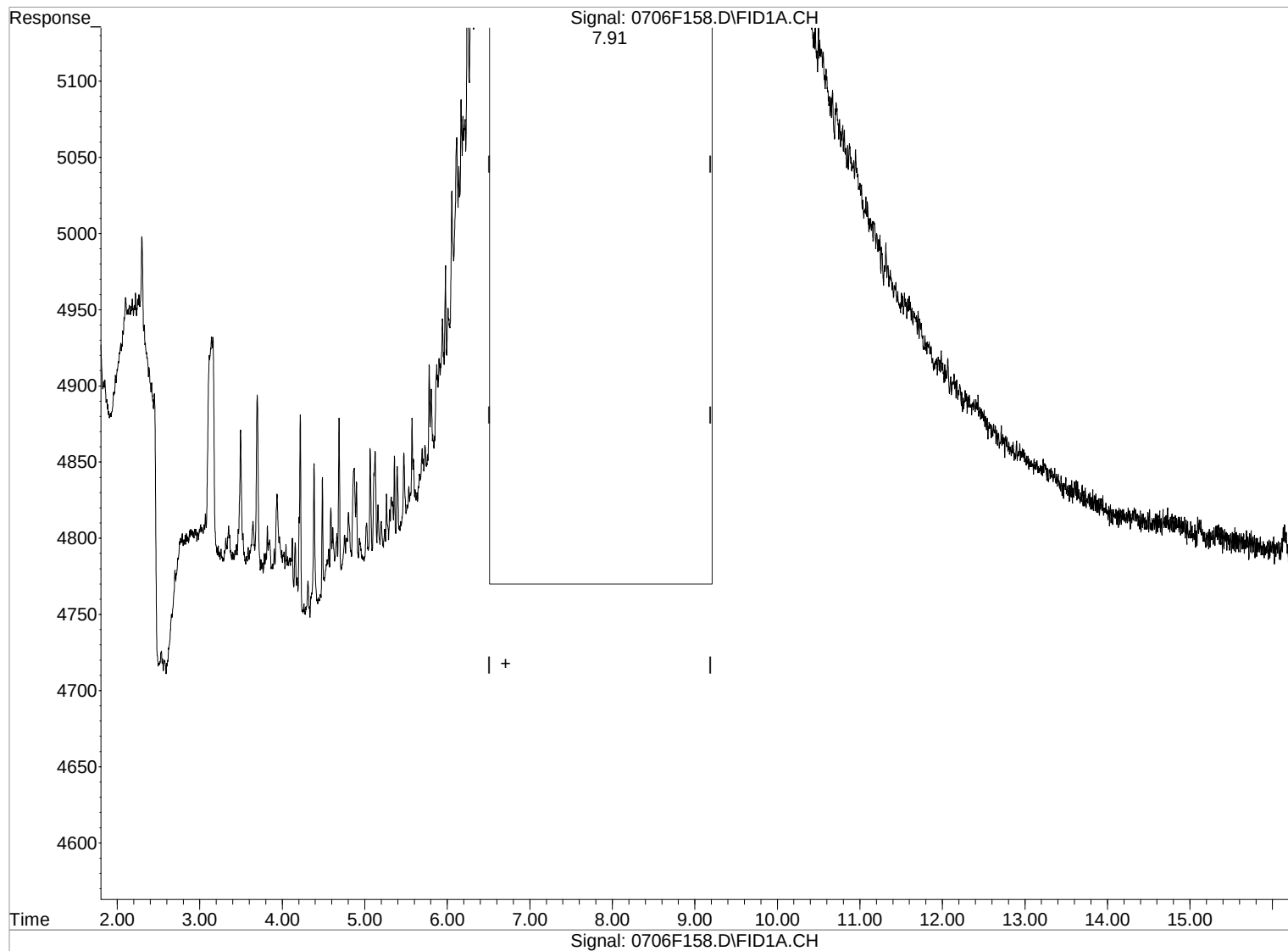
Multiplr: 1.00

Method : J:\GC21\METHODS\070620F.M (RTE Integrator)

Title : 8015/NWTPH/AK SVF MJ257 CAL16158

Last Update : Tue Jul 07 07:48:17 2020

Response via : Multiple Level Calibration



(11) C25-C36in RRO [AK103] (H)

6.71min 211.397ppm

response 183471

Manual Integration:

After

Baseline/Shoulder

07/07/20

(+) = Expected Retention Time

Data File : J:\GC21\DATA\070620F\0706F159.D Vial: 28
Acq On : 07 Jul 2020 4:41 am Operator: TAP
Sample : AK103 SVF02-93N 500 Inst : GC21
Misc : Multiplr: 1.00
IntFile : rteint.p
Quant Time: Jul 07 07:48:54 2020 Quant Results File: 070620F.RES

Quant Method : J:\GC21\METHODS\070620F.M (RTE Integrator)
Title : 8015/NWTPH/AK SVF MJ257 CAL16158
Last Update : Tue Jul 07 07:48:45 2020
Response via : Initial Calibration
DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
Signal Phase : ZB-1
Signal Info : 15m x 0.25mm x 1.0 um

Compound	R.T.	Response	Conc Units
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System Monitoring Compounds

Target Compounds

11) H C25-C36in RRO [AK103]	6.71	436354	502.455 ppm
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Data File : J:\GC21\DATA\070620F\0706F159.D

Vial: 28

Acq On : 07 Jul 2020 4:41 am

Operator: TAP

Sample : AK103 SVF02-93N 500

Inst : GC21

Misc :

Multiplr: 1.00

IntFile : rteint.p

Quant Time: Jul 7 7:49 2020 Quant Results File: 070620F.RES

Quant Method : J:\GC21\METHODS\070620F.M (RTE Integrator)

Title : 8015/NWTPH/AK SVF MJ257 CAL16158

Last Update : Tue Jul 07 07:48:45 2020

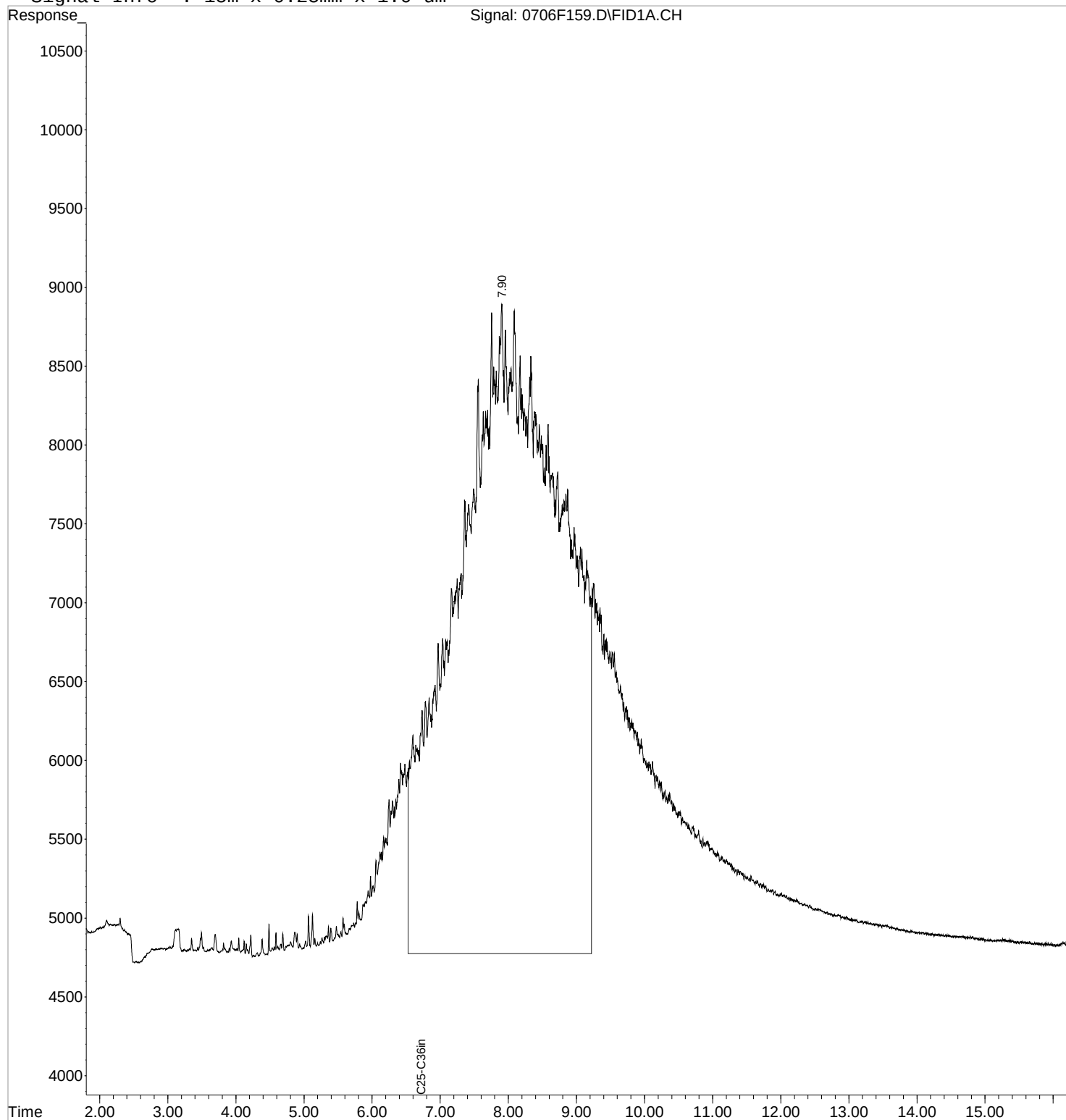
Response via : Single Level Calibration

DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL

Signal Phase : ZB-1

Signal Info : 15m x 0.25mm x 1.0 um



Data File : J:\GC21\DATA\070620F\0706F159.D

Acq On : 07 Jul 2020 4:41 am

Sample : AK103 SVF02-93N 500

Misc :

IntFile : rteint.p

Quant Time: Jul 7 7:48 2020 Quant Results File: 070620F.RES

Vial: 28

Operator: TAP

Inst : GC21

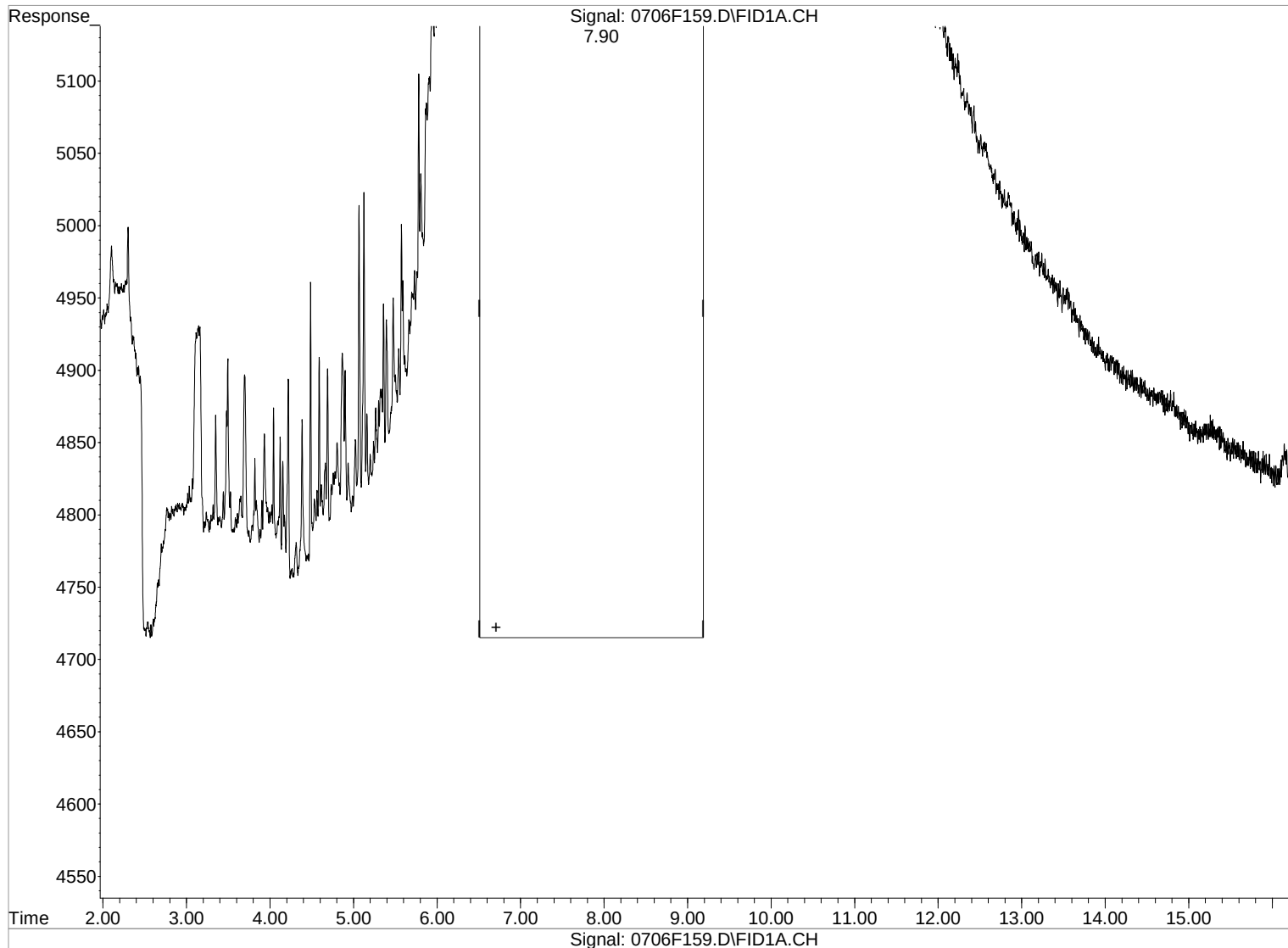
Multiplr: 1.00

Method : J:\GC21\METHODS\070620F.M (RTE Integrator)

Title : 8015/NWTPH/AK SVF MJ257 CAL16158

Last Update : Tue Jul 07 07:48:45 2020

Response via : Multiple Level Calibration



(11) C25-C36in RRO [AK103] (H)

6.71min 510.260ppm

response 443132

Manual Integration:

Before

07/07/20

(+) = Expected Retention Time

Data File : J:\GC21\DATA\070620F\0706F159.D

Acq On : 07 Jul 2020 4:41 am

Sample : AK103 SVF02-93N 500

Misc :

IntFile : rteint.p

Quant Time: Jul 7 7:48 2020 Quant Results File: 070620F.RES

Vial: 28

Operator: TAP

Inst : GC21

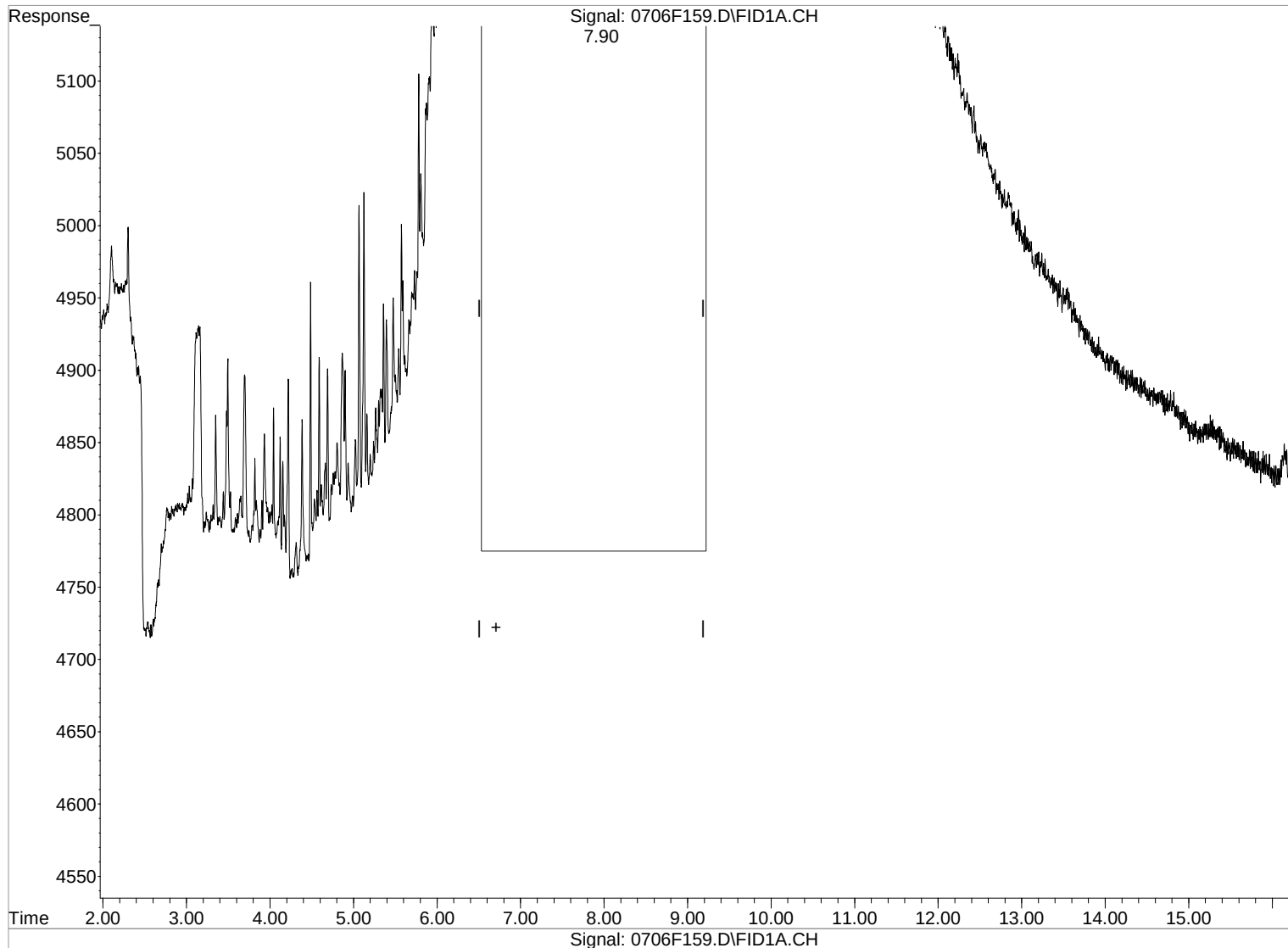
Multiplr: 1.00

Method : J:\GC21\METHODS\070620F.M (RTE Integrator)

Title : 8015/NWTPH/AK SVF MJ257 CAL16158

Last Update : Tue Jul 07 07:48:45 2020

Response via : Multiple Level Calibration



(11) C25-C36in RRO [AK103] (H)

6.71min 502.455ppm

response 436354

Manual Integration:

After

Baseline/Shoulder

07/07/20

(+) = Expected Retention Time

Data File : J:\GC21\DATA\070620F\0706F160.D Vial: 29
Acq On : 07 Jul 2020 5:03 am Operator: TAP
Sample : AK103 SVF02-93M 2000 Inst : GC21
Misc : Multiplr: 1.00
IntFile : rteint.p
Quant Time: Jul 07 07:50:07 2020 Quant Results File: 070620F.RES

Quant Method : J:\GC21\METHODS\070620F.M (RTE Integrator)
Title : 8015/NWTPH/AK SVF MJ257 CAL16158
Last Update : Tue Jul 07 07:49:53 2020
Response via : Initial Calibration
DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
Signal Phase : ZB-1
Signal Info : 15m x 0.25mm x 1.0 um

Compound	R.T.	Response	Conc Units
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System Monitoring Compounds

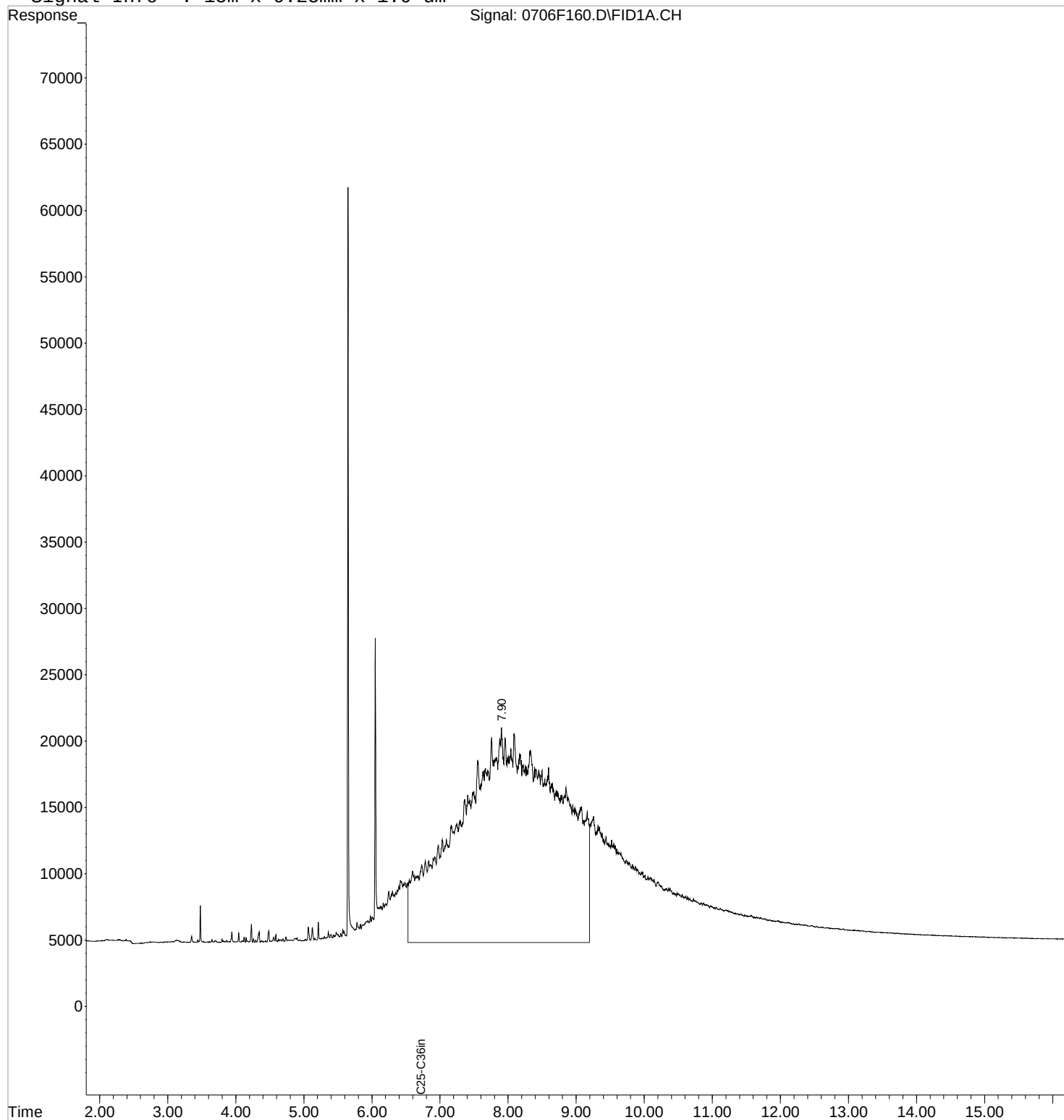
Target Compounds

11) H C25-C36in RRO [AK103]	6.71	1666471	1916.195 ppm
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Data File : J:\GC21\DATA\070620F\0706F160.D Vial: 29
Acq On : 07 Jul 2020 5:03 am Operator: TAP
Sample : AK103 SVF02-93M 2000 Inst : GC21
Misc : Multiplr: 1.00
IntFile : rteint.p
Quant Time: Jul 7 7:50 2020 Quant Results File: 070620F.RES

Quant Method : J:\GC21\METHODS\070620F.M (RTE Integrator)
Title : 8015/NWTPH/AK SVF MJ257 CAL16158
Last Update : Tue Jul 07 07:49:53 2020
Response via : Single Level Calibration
DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
Signal Phase : ZB-1
Signal Info : 15m x 0.25mm x 1.0 um



Data File : J:\GC21\DATA\070620F\0706F160.D

Acq On : 07 Jul 2020 5:03 am

Sample : AK103 SVF02-93M 2000

Misc :

IntFile : rteint.p

Quant Time: Jul 7 7:50 2020 Quant Results File: 070620F.RES

Vial: 29

Operator: TAP

Inst : GC21

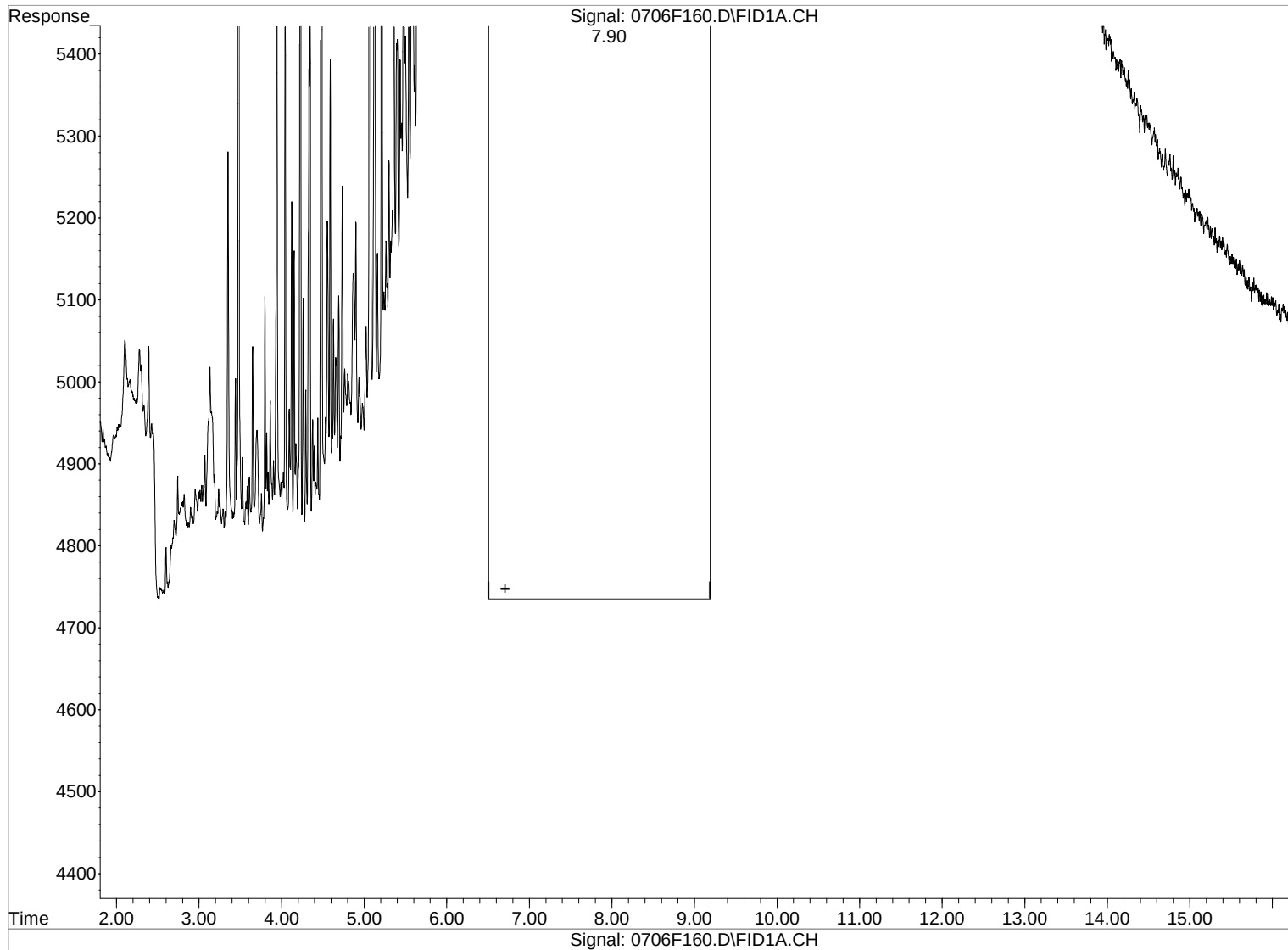
Multiplr: 1.00

Method : J:\GC21\METHODS\070620F.M (RTE Integrator)

Title : 8015/NWTPH/AK SVF MJ257 CAL16158

Last Update : Tue Jul 07 07:49:53 2020

Response via : Multiple Level Calibration



(11) C25-C36in RRO [AK103] (H)

Manual Integration:

6.71min 1932.232ppm

Before

response 1680418

07/07/20

(+) = Expected Retention Time

Data File : J:\GC21\DATA\070620F\0706F160.D

Acq On : 07 Jul 2020 5:03 am

Sample : AK103 SVF02-93M 2000

Misc :

IntFile : rteint.p

Quant Time: Jul 7 7:50 2020 Quant Results File: 070620F.RES

Vial: 29

Operator: TAP

Inst : GC21

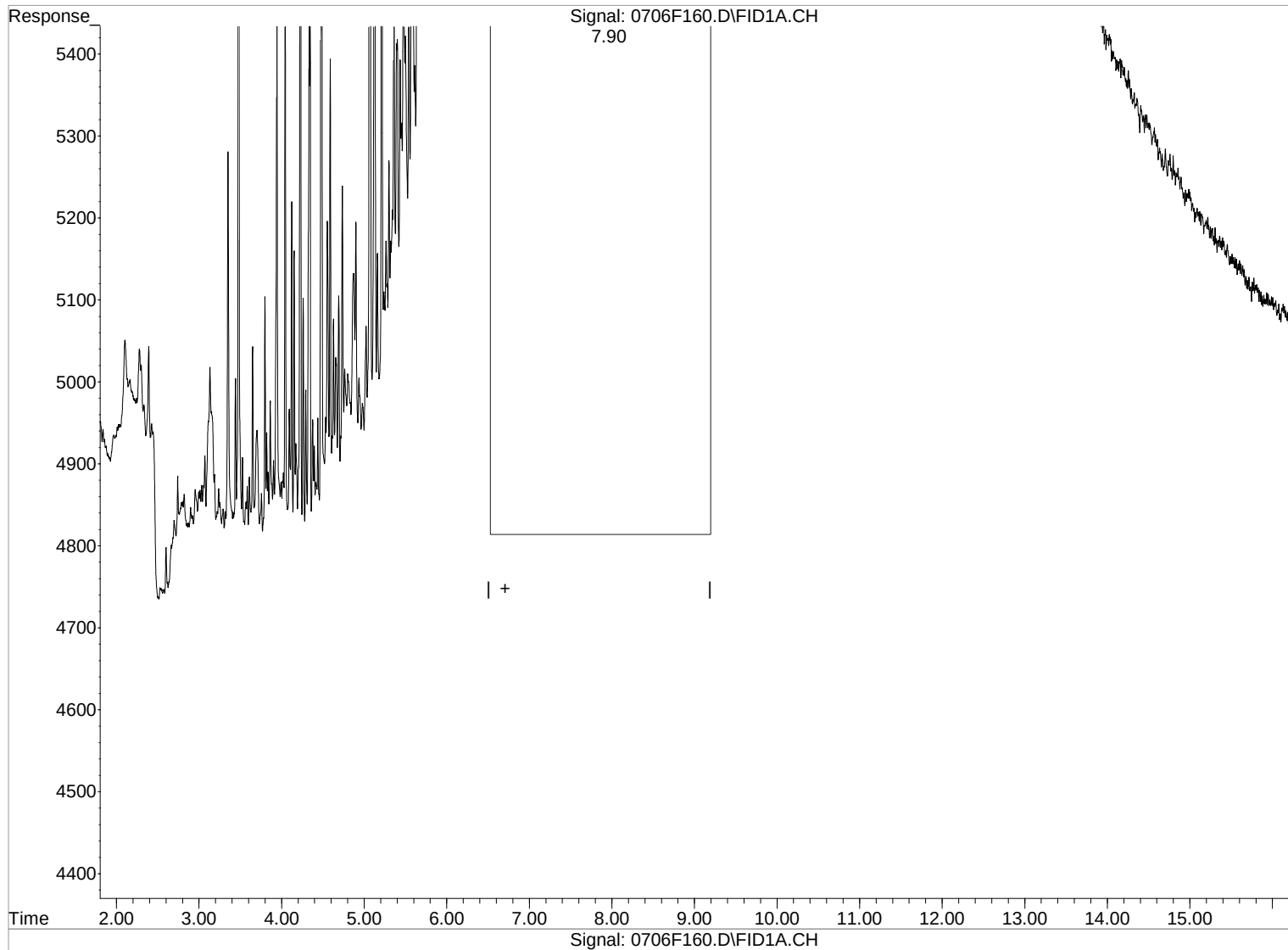
Multiplr: 1.00

Method : J:\GC21\METHODS\070620F.M (RTE Integrator)

Title : 8015/NWTPH/AK SVF MJ257 CAL16158

Last Update : Tue Jul 07 07:49:53 2020

Response via : Multiple Level Calibration



(11) C25-C36in RRO [AK103] (H)

6.71min 1916.195ppm

response 1666471

Manual Integration:

After

Baseline/Shoulder

07/07/20

(+) = Expected Retention Time

Data File : J:\GC21\DATA\070620F\0706F161.D Vial: 30
Acq On : 07 Jul 2020 5:25 am Operator: TAP
Sample : AK103 SVF02-93L 5000 Inst : GC21
Misc : Multiplr: 1.00
IntFile : rteint.p
Quant Time: Jul 07 07:51:18 2020 Quant Results File: 070620F.RES

Quant Method : J:\GC21\METHODS\070620F.M (RTE Integrator)
Title : 8015/NWTPH/AK SVF MJ257 CAL16158
Last Update : Tue Jul 07 07:51:09 2020
Response via : Initial Calibration
DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
Signal Phase : ZB-1
Signal Info : 15m x 0.25mm x 1.0 um

Compound	R.T.	Response	Conc Units
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System Monitoring Compounds

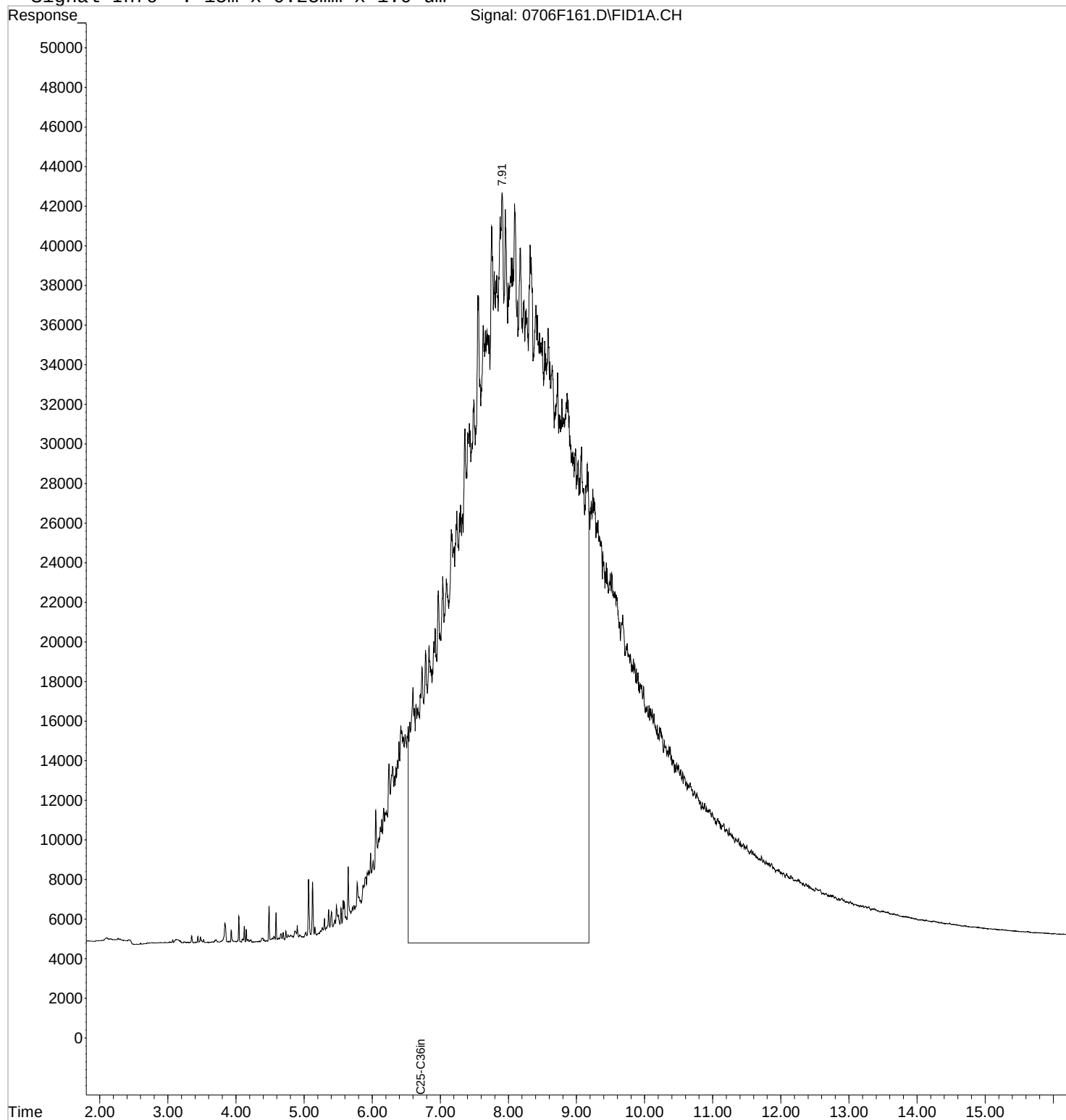
Target Compounds

11) H C25-C36in RRO [AK103]	6.71	3986610	4588.149 ppm
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Data File : J:\GC21\DATA\070620F\0706F161.D Vial: 30
Acq On : 07 Jul 2020 5:25 am Operator: TAP
Sample : AK103 SVF02-93L 5000 Inst : GC21
Misc : Multiplr: 1.00
IntFile : rteint.p
Quant Time: Jul 7 7:52 2020 Quant Results File: 070620F.RES

Quant Method : J:\GC21\METHODS\070620F.M (RTE Integrator)
Title : 8015/NWTPH/AK SVF MJ257 CAL16158
Last Update : Tue Jul 07 07:51:09 2020
Response via : Single Level Calibration
DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
Signal Phase : ZB-1
Signal Info : 15m x 0.25mm x 1.0 um



Data File : J:\GC21\DATA\070620F\0706F161.D

Acq On : 07 Jul 2020 5:25 am

Sample : AK103 SVF02-93L 5000

Misc :

IntFile : rteint.p

Quant Time: Jul 7 7:51 2020 Quant Results File: 070620F.RES

Vial: 30

Operator: TAP

Inst : GC21

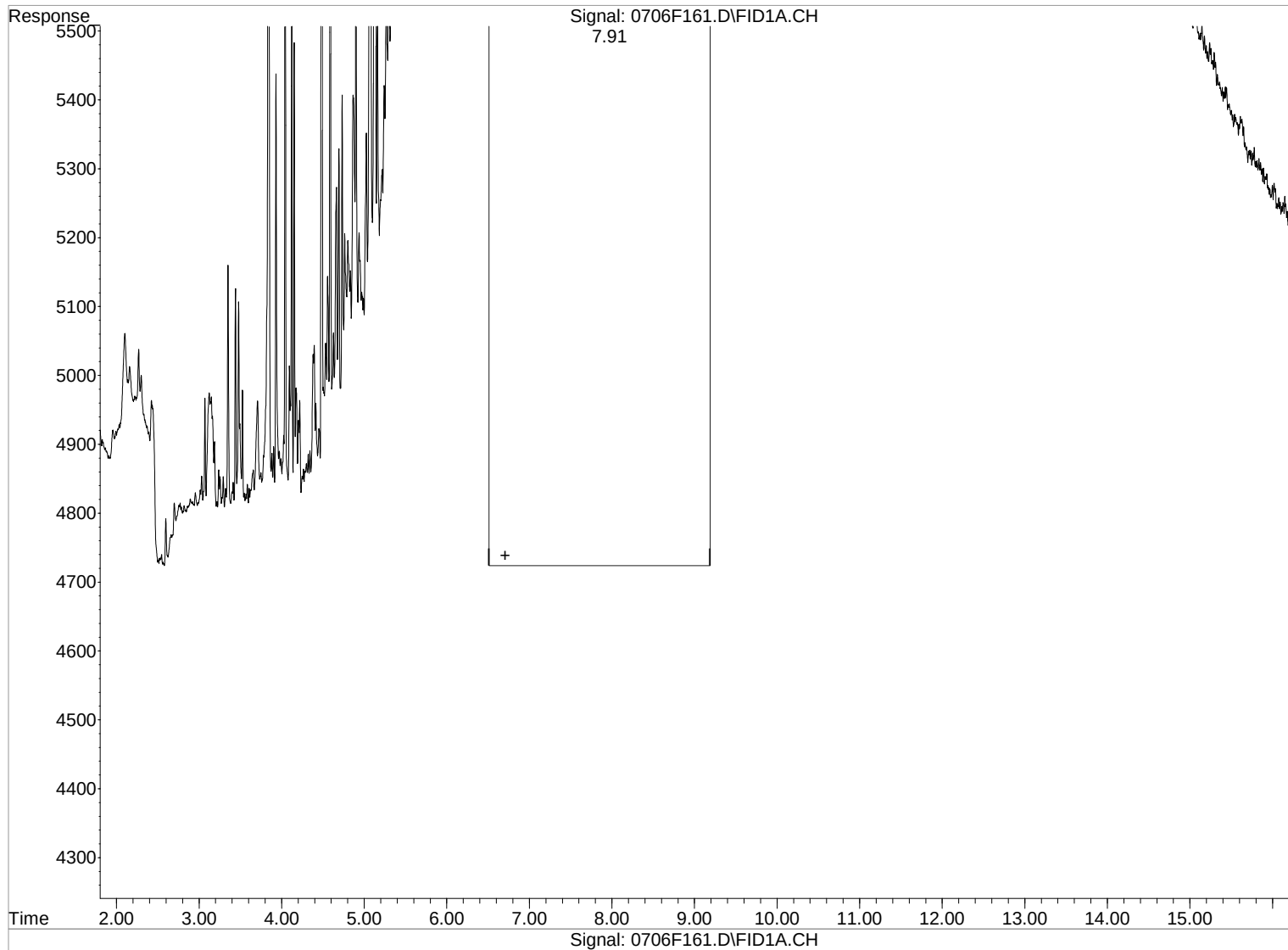
Multiplr: 1.00

Method : J:\GC21\METHODS\070620F.M (RTE Integrator)

Title : 8015/NWTPH/AK SVF MJ257 CAL16158

Last Update : Tue Jul 07 07:51:09 2020

Response via : Multiple Level Calibration



(11) C25-C36in RRO [AK103] (H)

Manual Integration:

6.71min 4626.668ppm

Before

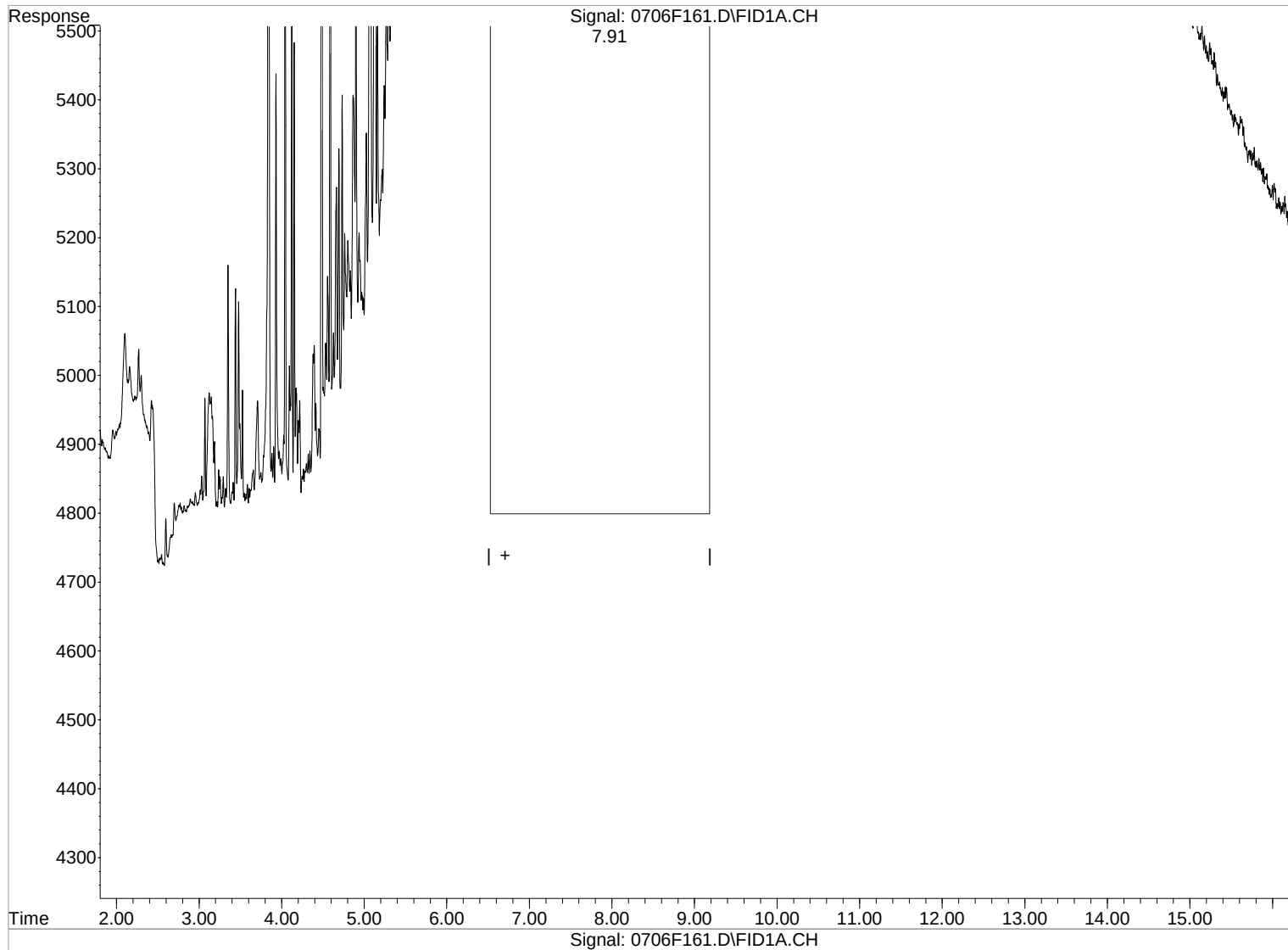
response 4020079

07/07/20

(+) = Expected Retention Time

Data File : J:\GC21\DATA\070620F\0706F161.D Vial: 30
Acq On : 07 Jul 2020 5:25 am Operator: TAP
Sample : AK103 SVF02-93L 5000 Inst : GC21
Misc : Multiplr: 1.00
IntFile : rteint.p
Quant Time: Jul 7 7:51 2020 Quant Results File: 070620F.RES

Method : J:\GC21\METHODS\070620F.M (RTE Integrator)
Title : 8015/NWTPH/AK SVF MJ257 CAL16158
Last Update : Tue Jul 07 07:51:09 2020
Response via : Multiple Level Calibration



(11) C25-C36in RRO [AK103] (H)

6.71min 4588.149ppm

response 3986610

Manual Integration:

After

Baseline/Shoulder

07/07/20

(+) = Expected Retention Time

Data File : J:\GC21\DATA\070620F\0706F162.D Vial: 86
Acq On : 07 Jul 2020 5:48 am Operator: TAP
Sample : IB Inst : GC21
Misc : Multiplr: 1.00
IntFile : rteint.p
Quant Time: Jul 07 07:54:53 2020 Quant Results File: 070620F.RES

Quant Method : J:\GC21\METHODS\070620F.M (RTE Integrator)
Title : 8015/NWTPH/AK SVF MJ257 CAL16158
Last Update : Tue Jul 07 07:52:15 2020
Response via : Initial Calibration
DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
Signal Phase : ZB-1
Signal Info : 15m x 0.25mm x 1.0 um

Compound	R.T.	Response	Conc Units
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System Monitoring Compounds

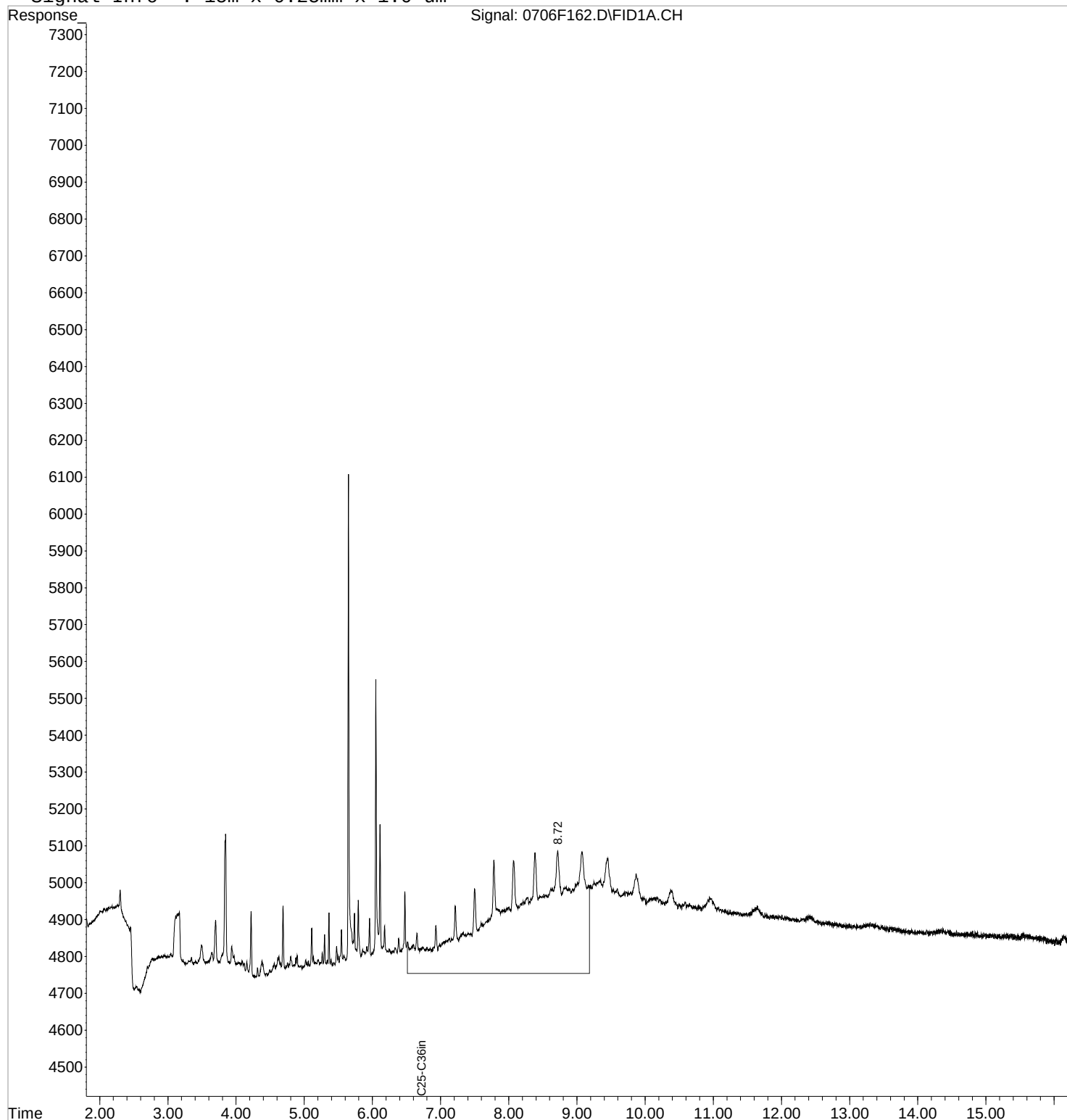
Target Compounds

11) H C25-C36in RRO [AK103]	6.71	26282	30.245 ppm
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Data File : J:\GC21\DATA\070620F\0706F162.D Vial: 86
Acq On : 07 Jul 2020 5:48 am Operator: TAP
Sample : IB Inst : GC21
Misc : Multiplr: 1.00
IntFile : rteint.p
Quant Time: Jul 7 7:55 2020 Quant Results File: 070620F.RES

Quant Method : J:\GC21\METHODS\070620F.M (RTE Integrator)
Title : 8015/NWTPH/AK SVF MJ257 CAL16158
Last Update : Tue Jul 07 07:52:15 2020
Response via : Single Level Calibration
DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
Signal Phase : ZB-1
Signal Info : 15m x 0.25mm x 1.0 um



Data File : J:\GC21\DATA\070620F\0706F162.D

Acq On : 07 Jul 2020 5:48 am

Sample : IB

Misc :

IntFile : rteint.p

Quant Time: Jul 7 7:54 2020 Quant Results File: 070620F.RES

Vial: 86

Operator: TAP

Inst : GC21

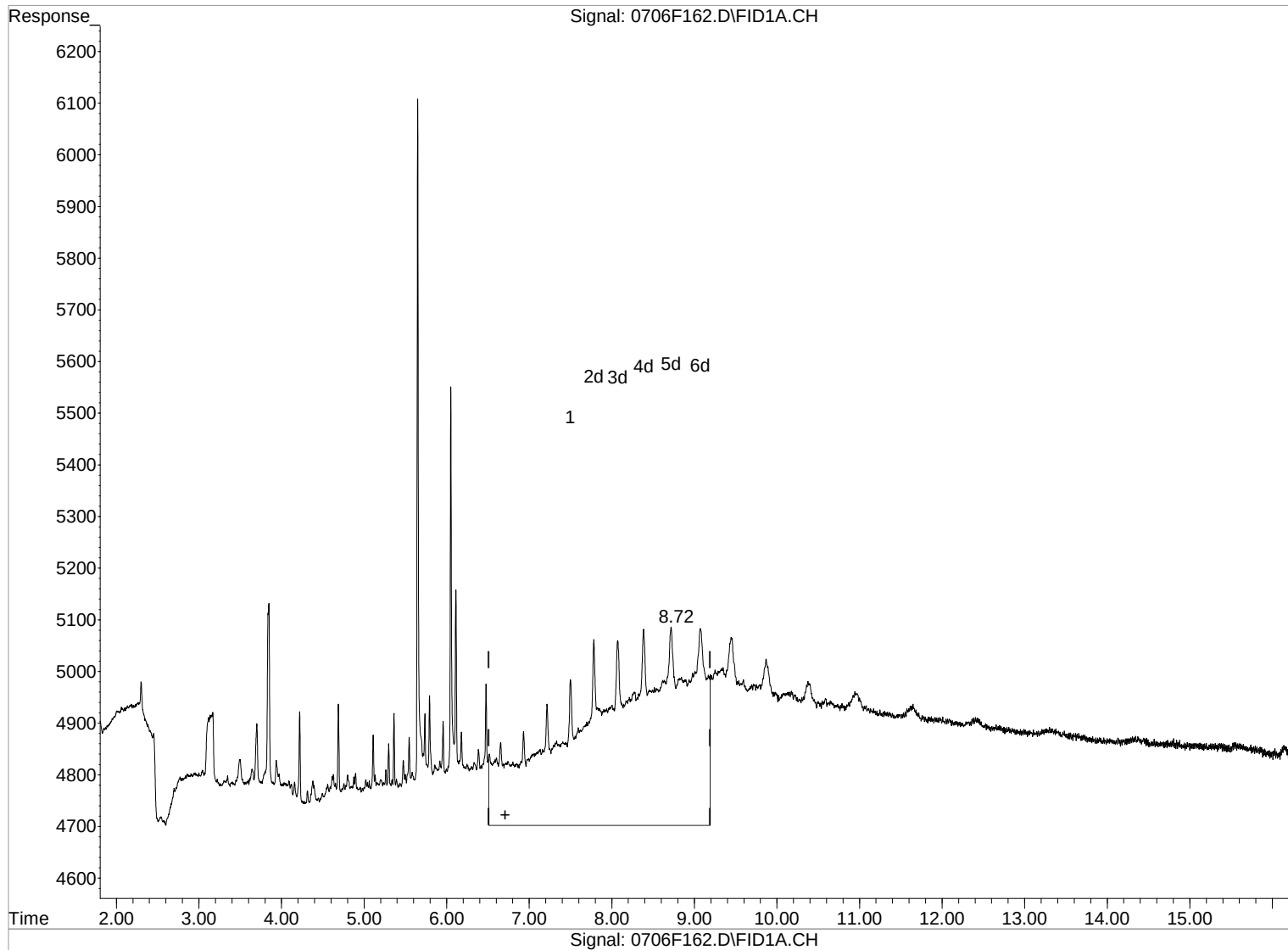
Multiplr: 1.00

Method : J:\GC21\METHODS\070620F.M (RTE Integrator)

Title : 8015/NWTPH/AK SVF MJ257 CAL16158

Last Update : Tue Jul 07 07:52:15 2020

Response via : Multiple Level Calibration



(11) C25-C36in RRO [AK103] (H)

6.71min 39.996ppm

response 34755

Manual Integration:

Before

07/07/20

(+) = Expected Retention Time

Data File : J:\GC21\DATA\070620F\0706F162.D

Acq On : 07 Jul 2020 5:48 am

Sample : IB

Misc :

IntFile : rteint.p

Quant Time: Jul 7 7:54 2020 Quant Results File: 070620F.RES

Vial: 86

Operator: TAP

Inst : GC21

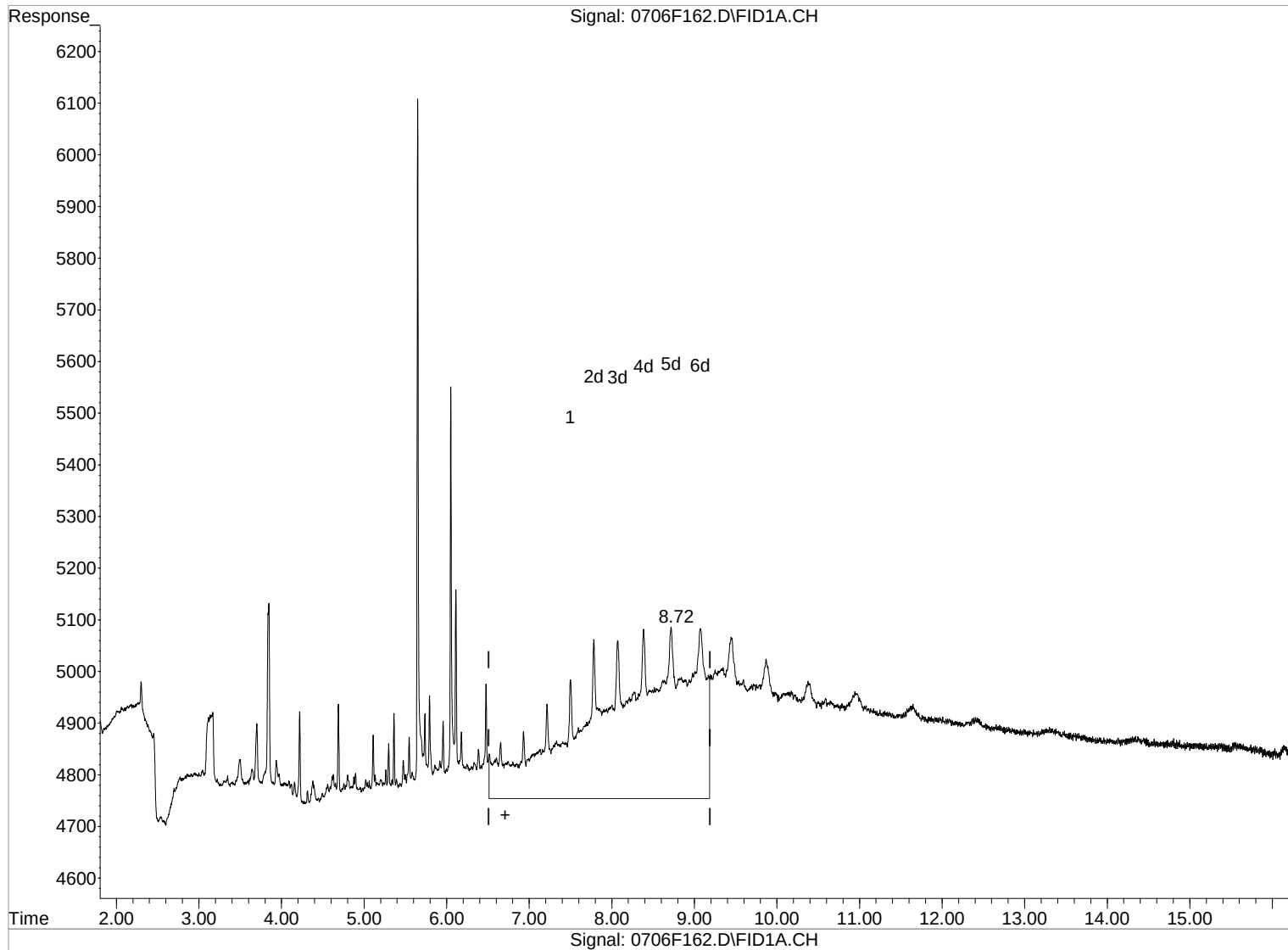
Multiplr: 1.00

Method : J:\GC21\METHODS\070620F.M (RTE Integrator)

Title : 8015/NWTPH/AK SVF MJ257 CAL16158

Last Update : Tue Jul 07 07:52:15 2020

Response via : Multiple Level Calibration



(11) C25-C36in RRO [AK103] (H)

6.71min 30.245ppm

response 26282

Manual Integration:

After

Baseline/Shoulder

07/07/20

(+) = Expected Retention Time

0706F162.D 070620F.M Tue Jul 07 07:55 2020 Page 408 of 438

Data File : J:\GC21\DATA\070620F\0706F163.D Vial: 31
Acq On : 07 Jul 2020 6:10 am Operator: TAP
Sample : AK103 SVF02-94C ICV@1000 Inst : GC21
Misc : Multiplr: 1.00
IntFile : rteint.p
Quant Time: Jul 07 07:55:38 2020 Quant Results File: 070620F.RES

Quant Method : J:\GC21\METHODS\070620F.M (RTE Integrator)
Title : 8015/NWTPH/AK SVF MJ257 CAL16158
Last Update : Tue Jul 07 07:52:15 2020
Response via : Initial Calibration
DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
Signal Phase : ZB-1
Signal Info : 15m x 0.25mm x 1.0 um

Compound	R.T.	Response	Conc Units
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System Monitoring Compounds

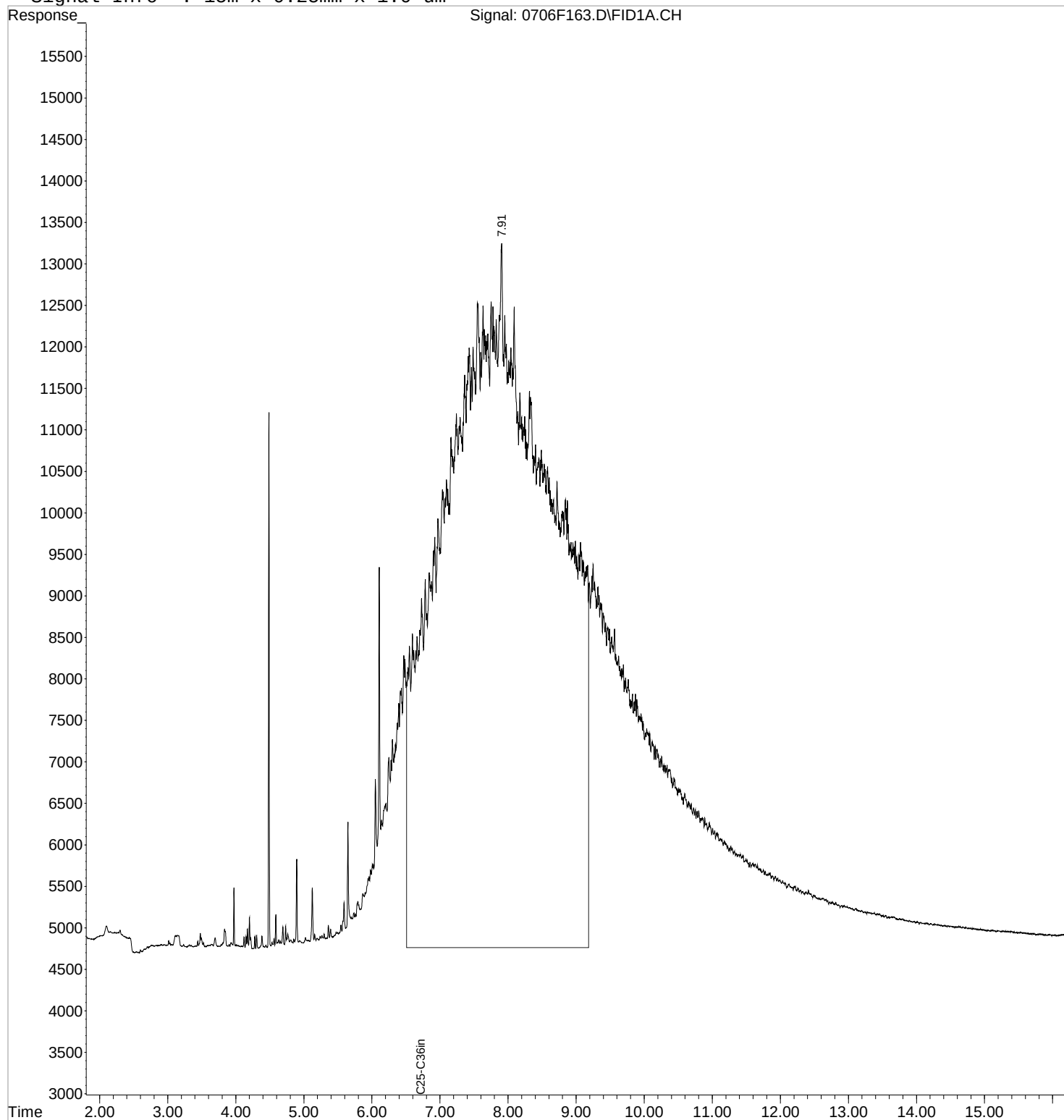
Target Compounds

11) H C25-C36in RRO [AK103]	6.71	914244	1052.113 ppm
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Data File : J:\GC21\DATA\070620F\0706F163.D Vial: 31
Acq On : 07 Jul 2020 6:10 am Operator: TAP
Sample : AK103 SVF02-94C ICV@1000 Inst : GC21
Misc : Multiplr: 1.00
IntFile : rteint.p
Quant Time: Jul 7 7:56 2020 Quant Results File: 070620F.RES

Quant Method : J:\GC21\METHODS\070620F.M (RTE Integrator)
Title : 8015/NWTPH/AK SVF MJ257 CAL16158
Last Update : Tue Jul 07 07:52:15 2020
Response via : Single Level Calibration
DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
Signal Phase : ZB-1
Signal Info : 15m x 0.25mm x 1.0 um



Data File : J:\GC21\DATA\070620F\0706F163.D

Acq On : 07 Jul 2020 6:10 am

Sample : AK103 SVF02-94C ICV@1000

Misc :

IntFile : rteint.p

Quant Time: Jul 7 7:55 2020 Quant Results File: 070620F.RES

Vial: 31

Operator: TAP

Inst : GC21

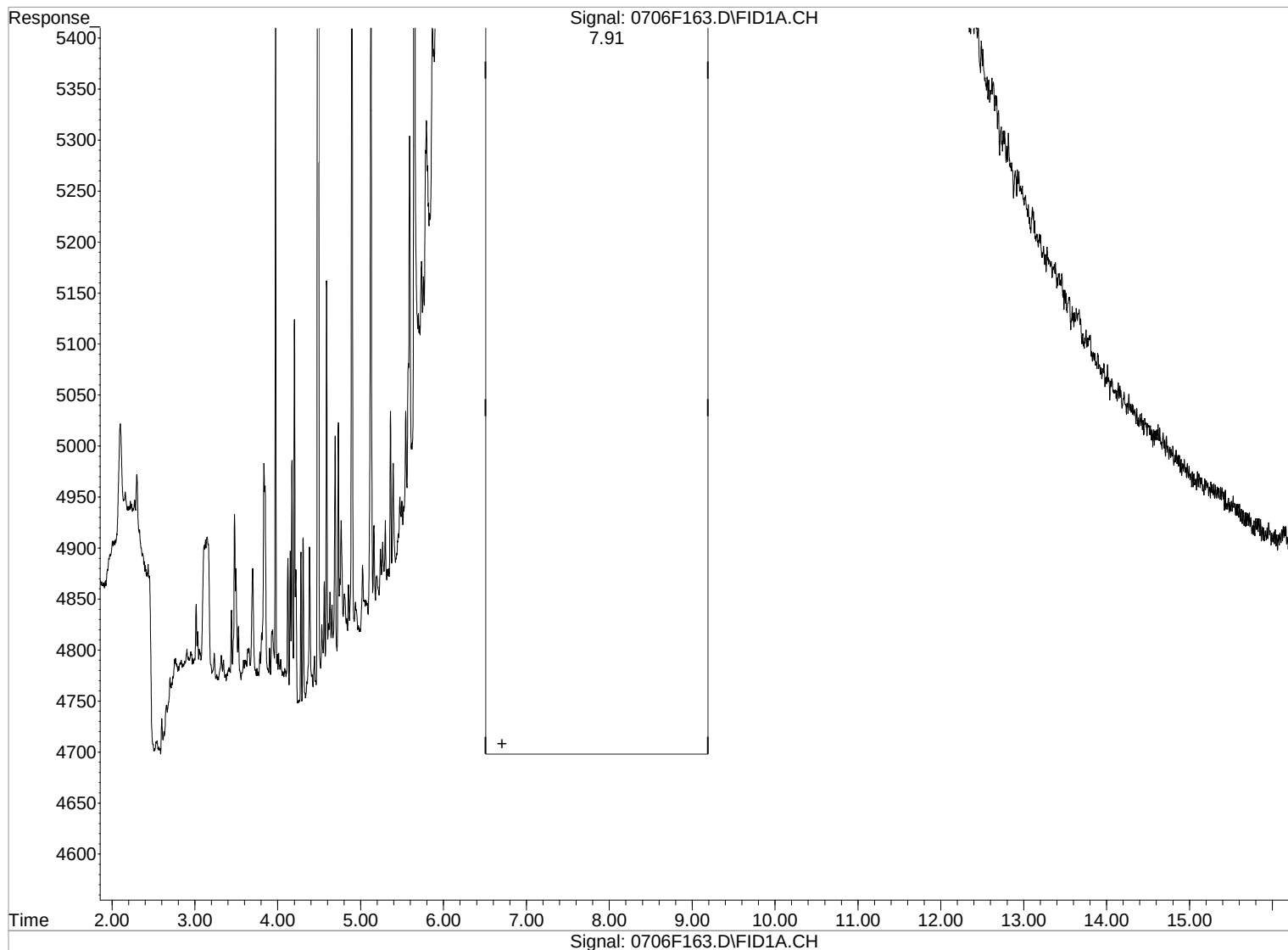
Multiplr: 1.00

Method : J:\GC21\METHODS\070620F.M (RTE Integrator)

Title : 8015/NWTPH/AK SVF MJ257 CAL16158

Last Update : Tue Jul 07 07:52:15 2020

Response via : Multiple Level Calibration



(11) C25-C36in RRO [AK103] (H)

Manual Integration:

6.71min 1065.965ppm

Before

response 926281

07/07/20

(+) = Expected Retention Time

Data File : J:\GC21\DATA\070620F\0706F163.D

Acq On : 07 Jul 2020 6:10 am

Sample : AK103 SVF02-94C ICV@1000

Misc :

IntFile : rteint.p

Quant Time: Jul 7 7:55 2020 Quant Results File: 070620F.RES

Vial: 31

Operator: TAP

Inst : GC21

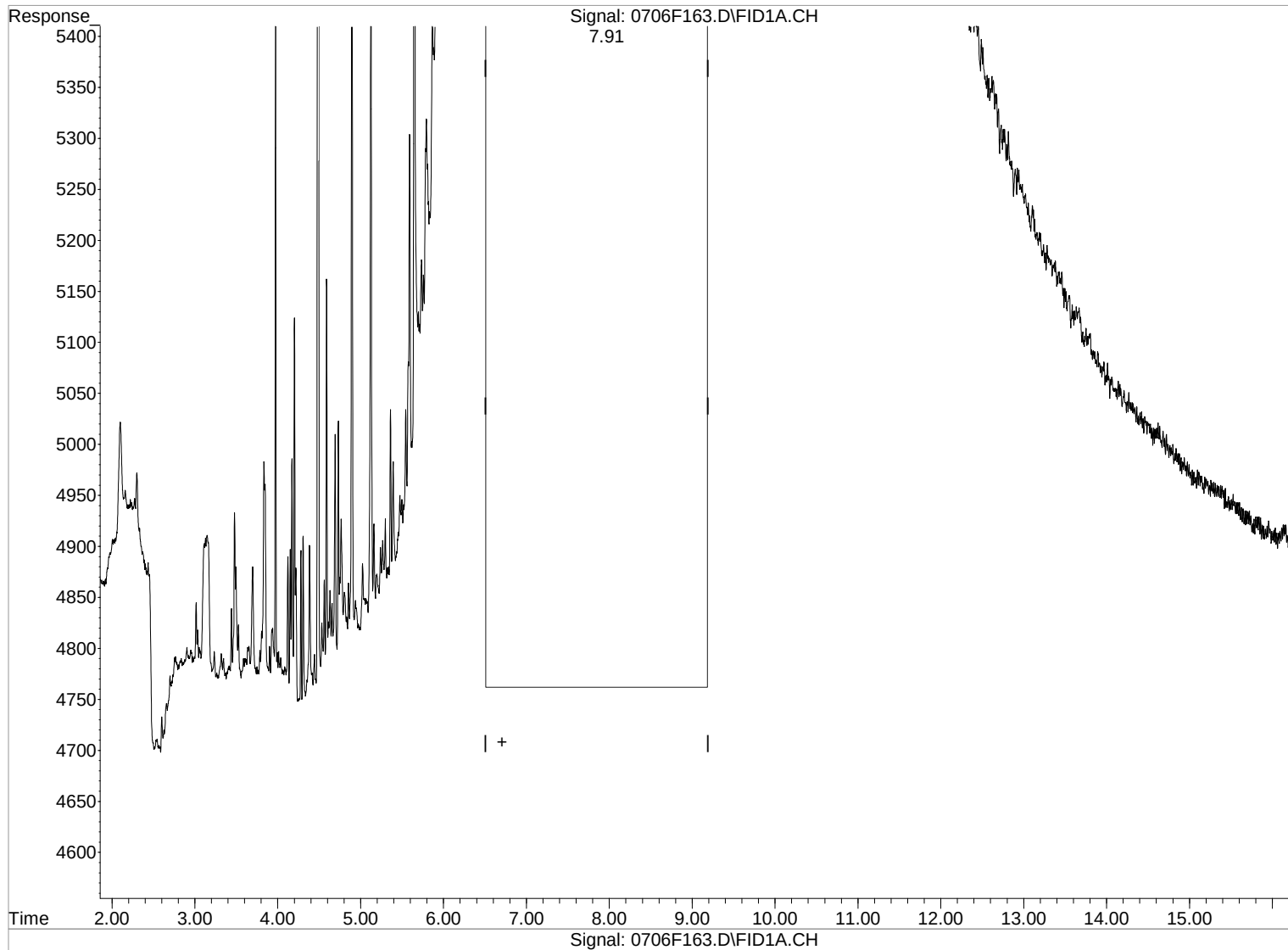
Multiplr: 1.00

Method : J:\GC21\METHODS\070620F.M (RTE Integrator)

Title : 8015/NWTPH/AK SVF MJ257 CAL16158

Last Update : Tue Jul 07 07:52:15 2020

Response via : Multiple Level Calibration



(11) C25-C36in RRO [AK103] (H)

6.71min 1052.113ppm

response 914244

Manual Integration:

After

Baseline/Shoulder

07/07/20

(+) = Expected Retention Time

Data File : J:\GC21\DATA\070620F\0706F166.D Vial: 90
Acq On : 07 Jul 2020 7:18 am Operator: TAP
Sample : IB Inst : GC21
Misc : Multiplr: 1.00
IntFile : rteint.p
Quant Time: Jul 07 09:14:07 2020 Quant Results File: 070620F.RES

Quant Method : J:\GC21\METHODS\070620F.M (RTE Integrator)
Title : 8015/NWTPH/AK SVF MJ257 CAL16158
Last Update : Tue Jul 07 08:30:44 2020
Response via : Initial Calibration
DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
Signal Phase : ZB-1
Signal Info : 15m x 0.25mm x 1.0 um

Compound	R.T.	Response	Conc Units
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System Monitoring Compounds

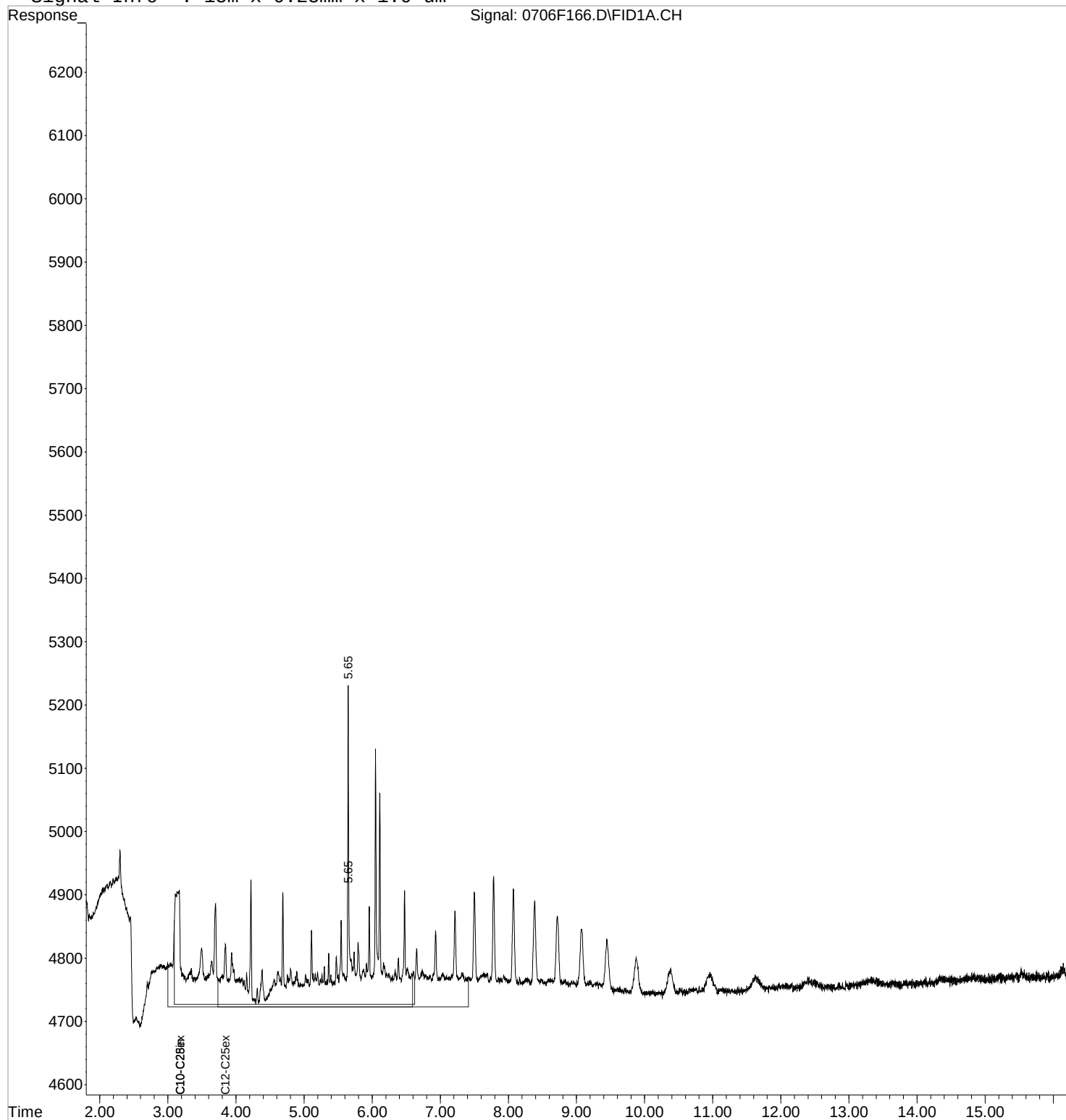
Target Compounds

6) H	C10-C25ex DRO [AK102]	3.19	11412	7.131 ppm
7) H	C10-C28in DRO [8015]	3.19	15193	9.087 ppm
8) H	C12-C25ex DRO [NWTPH]	3.84	9379	6.968 ppm

Data File : J:\GC21\DATA\070620F\0706F166.D Vial: 90
Acq On : 07 Jul 2020 7:18 am Operator: TAP
Sample : IB Inst : GC21
Misc : Multiplr: 1.00
IntFile : rteint.p
Quant Time: Jul 7 9:15 2020 Quant Results File: 070620F.RES

Quant Method : J:\GC21\METHODS\070620F.M (RTE Integrator)
Title : 8015/NWTPH/AK SVF MJ257 CAL16158
Last Update : Tue Jul 07 08:30:44 2020
Response via : Single Level Calibration
DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
Signal Phase : ZB-1
Signal Info : 15m x 0.25mm x 1.0 um



Data File : J:\GC21\DATA\070620F\0706F166.D

Acq On : 07 Jul 2020 7:18 am

Sample : IB

Misc :

IntFile : rteint.p

Quant Time: Jul 7 9:14 2020 Quant Results File: 070620F.RES

Vial: 90

Operator: TAP

Inst : GC21

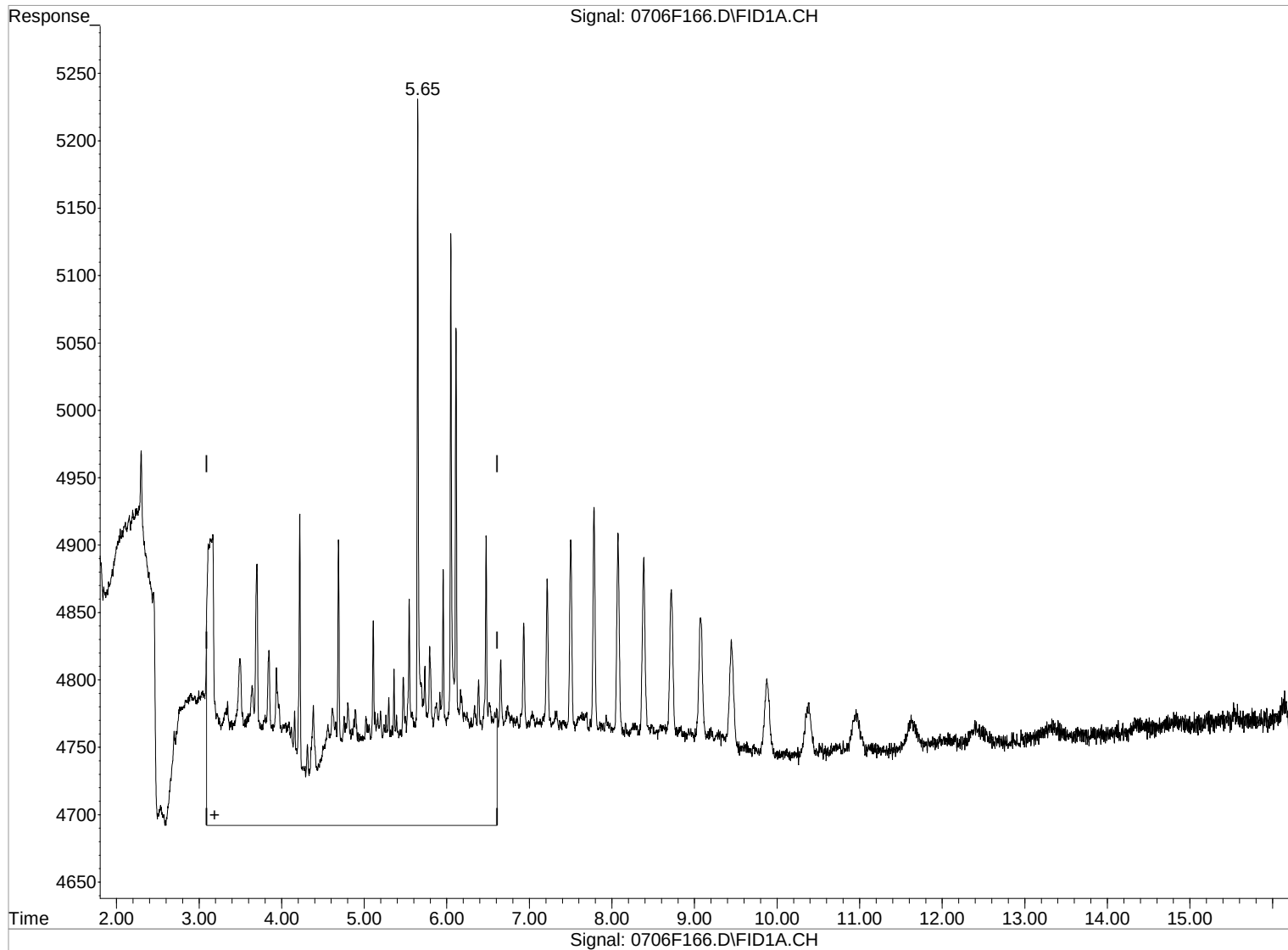
Multiplr: 1.00

Method : J:\GC21\METHODS\070620F.M (RTE Integrator)

Title : 8015/NWTPH/AK SVF MJ257 CAL16158

Last Update : Tue Jul 07 08:30:44 2020

Response via : Multiple Level Calibration



(6) C10-C25ex DRO [AK102] (H)

Manual Integration:

3.19min 11.747ppm

Before

response 18798

07/07/20

(+) = Expected Retention Time

Data File : J:\GC21\DATA\070620F\0706F166.D

Acq On : 07 Jul 2020 7:18 am

Sample : IB

Misc :

IntFile : rteint.p

Quant Time: Jul 7 9:14 2020 Quant Results File: 070620F.RES

Vial: 90

Operator: TAP

Inst : GC21

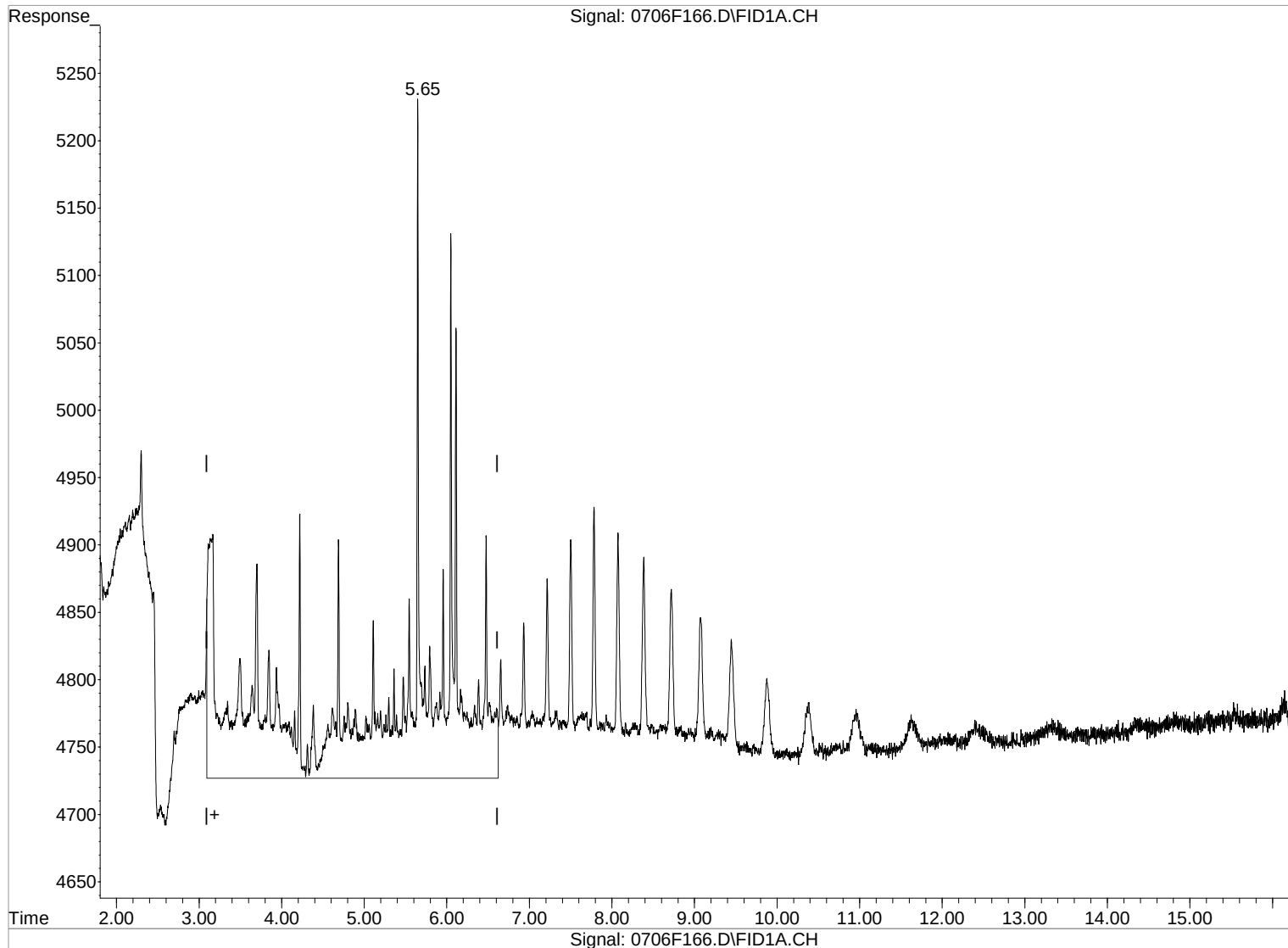
Multiplr: 1.00

Method : J:\GC21\METHODS\070620F.M (RTE Integrator)

Title : 8015/NWTPH/AK SVF MJ257 CAL16158

Last Update : Tue Jul 07 08:30:44 2020

Response via : Multiple Level Calibration



(6) C10-C25ex DRO [AK102] (H)

3.19min 7.131ppm

response 11412

Manual Integration:

After

Baseline/Shoulder

07/07/20

(+) = Expected Retention Time

Data File : J:\GC21\DATA\070620F\0706F166.D

Acq On : 07 Jul 2020 7:18 am

Sample : IB

Misc :

IntFile : rteint.p

Quant Time: Jul 7 9:14 2020 Quant Results File: 070620F.RES

Vial: 90

Operator: TAP

Inst : GC21

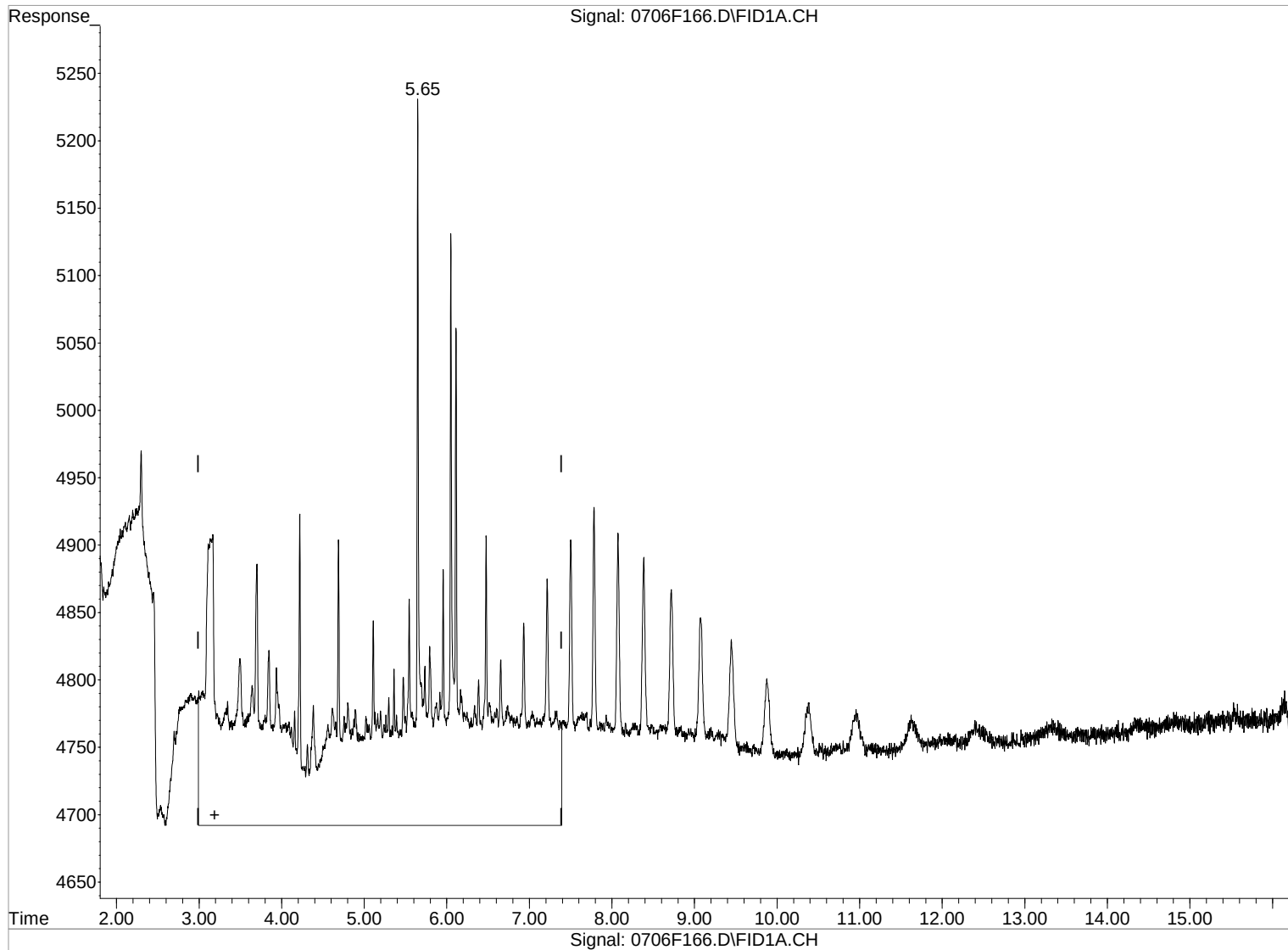
Multiplr: 1.00

Method : J:\GC21\METHODS\070620F.M (RTE Integrator)

Title : 8015/NWTPH/AK SVF MJ257 CAL16158

Last Update : Tue Jul 07 08:30:44 2020

Response via : Multiple Level Calibration



(7) C10-C28in DRO [8015] (H)

Manual Integration:

3.19min 13.968ppm

Before

response 23352

07/07/20

(+) = Expected Retention Time

Data File : J:\GC21\DATA\070620F\0706F166.D

Acq On : 07 Jul 2020 7:18 am

Sample : IB

Misc :

IntFile : rteint.p

Quant Time: Jul 7 9:14 2020 Quant Results File: 070620F.RES

Vial: 90

Operator: TAP

Inst : GC21

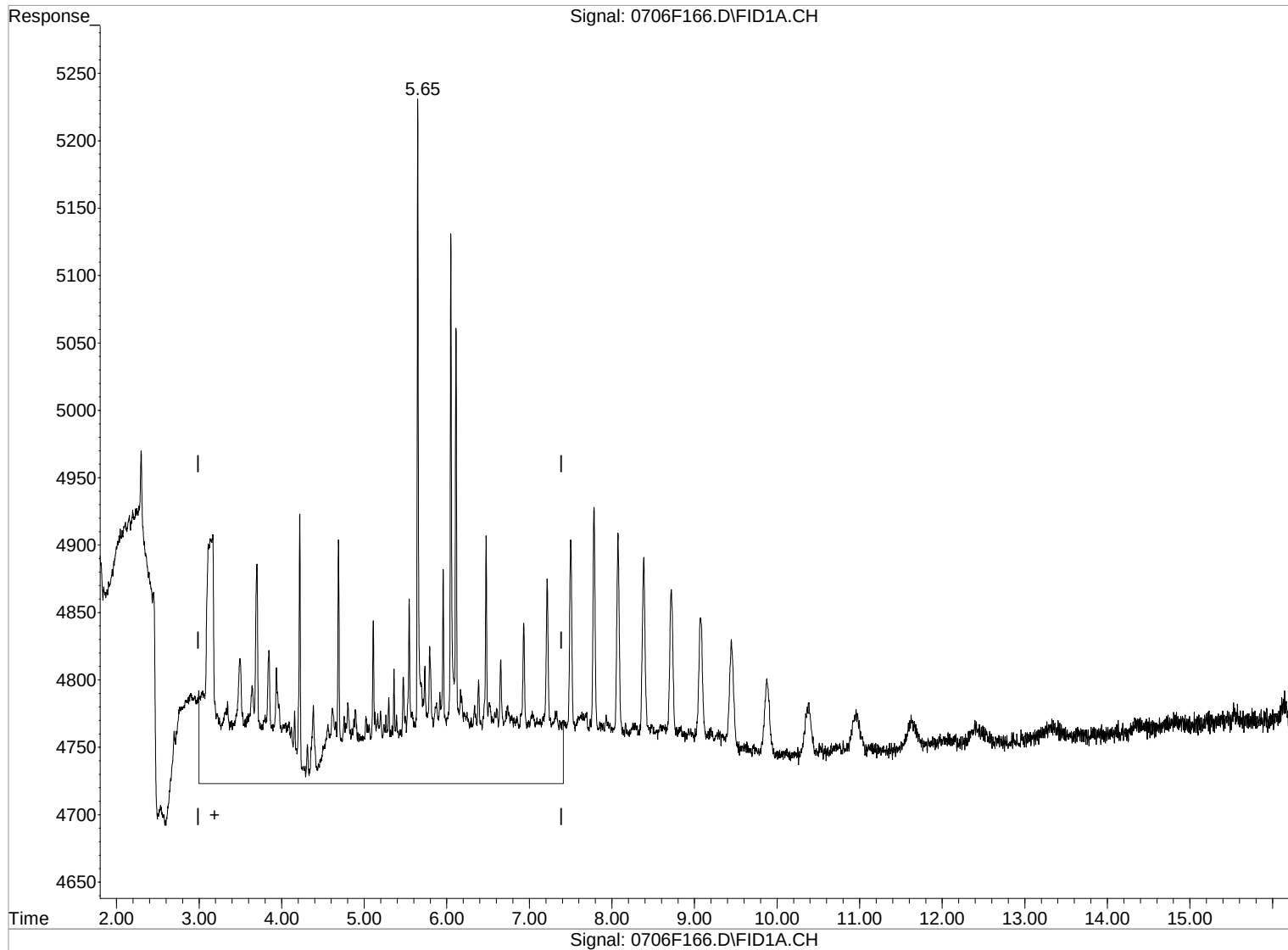
Multiplr: 1.00

Method : J:\GC21\METHODS\070620F.M (RTE Integrator)

Title : 8015/NWTPH/AK SVF MJ257 CAL16158

Last Update : Tue Jul 07 08:30:44 2020

Response via : Multiple Level Calibration



(7) C10-C28in DRO [8015] (H)

3.19min 9.087ppm

response 15193

Manual Integration:

After

Baseline/Shoulder

07/07/20

(+) = Expected Retention Time

Data File : J:\GC21\DATA\070620F\0706F166.D

Acq On : 07 Jul 2020 7:18 am

Sample : IB

Misc :

IntFile : rteint.p

Quant Time: Jul 7 9:14 2020 Quant Results File: 070620F.RES

Vial: 90

Operator: TAP

Inst : GC21

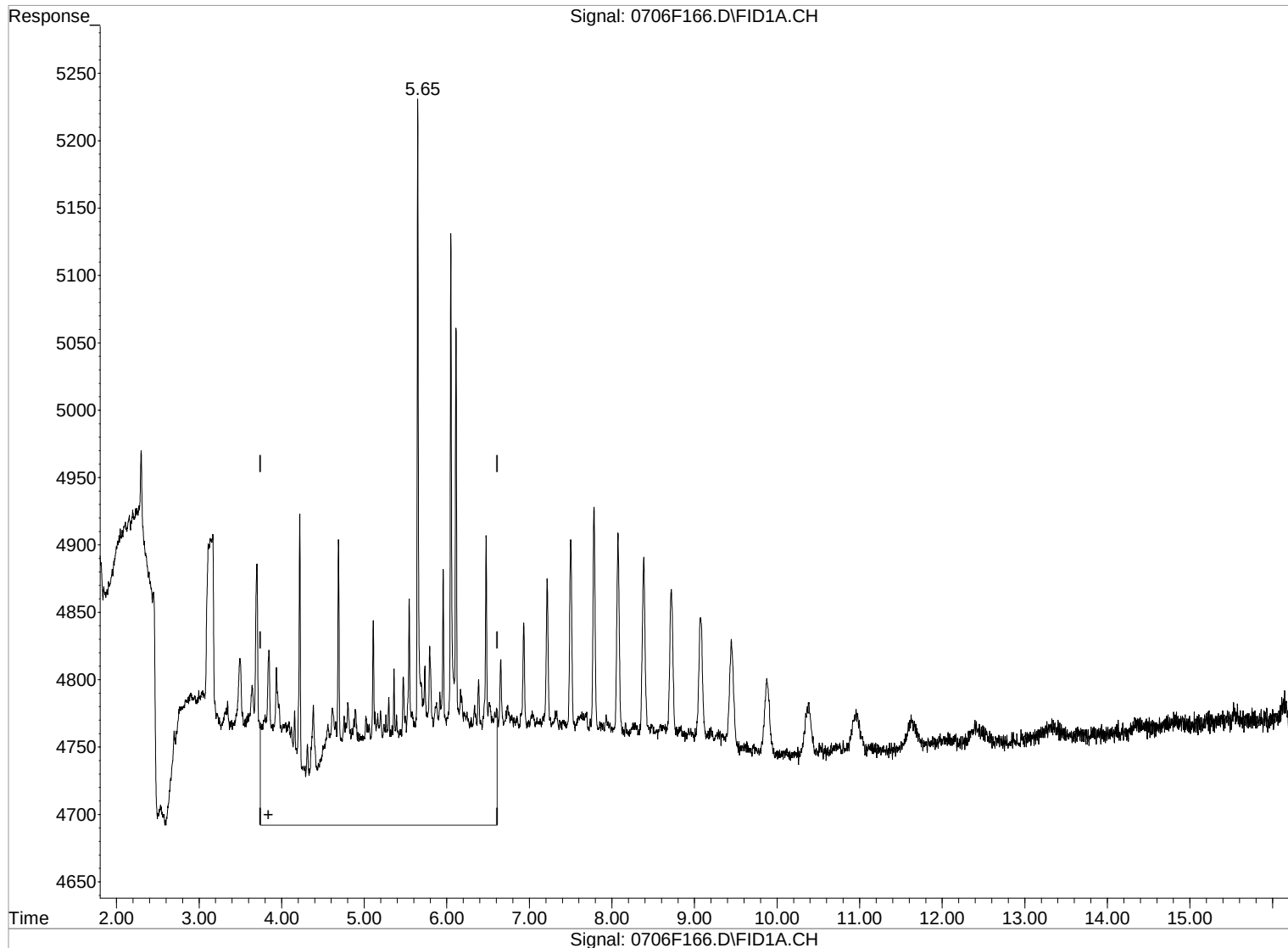
Multiplr: 1.00

Method : J:\GC21\METHODS\070620F.M (RTE Integrator)

Title : 8015/NWTPH/AK SVF MJ257 CAL16158

Last Update : Tue Jul 07 08:30:44 2020

Response via : Multiple Level Calibration



(8) C12-C25ex DRO [NWTPH] (H)

3.84min 10.960ppm

response 14753

Manual Integration:

Before

07/07/20

(+) = Expected Retention Time

Data File : J:\GC21\DATA\070620F\0706F166.D

Acq On : 07 Jul 2020 7:18 am

Sample : IB

Misc :

IntFile : rteint.p

Quant Time: Jul 7 9:14 2020 Quant Results File: 070620F.RES

Vial: 90

Operator: TAP

Inst : GC21

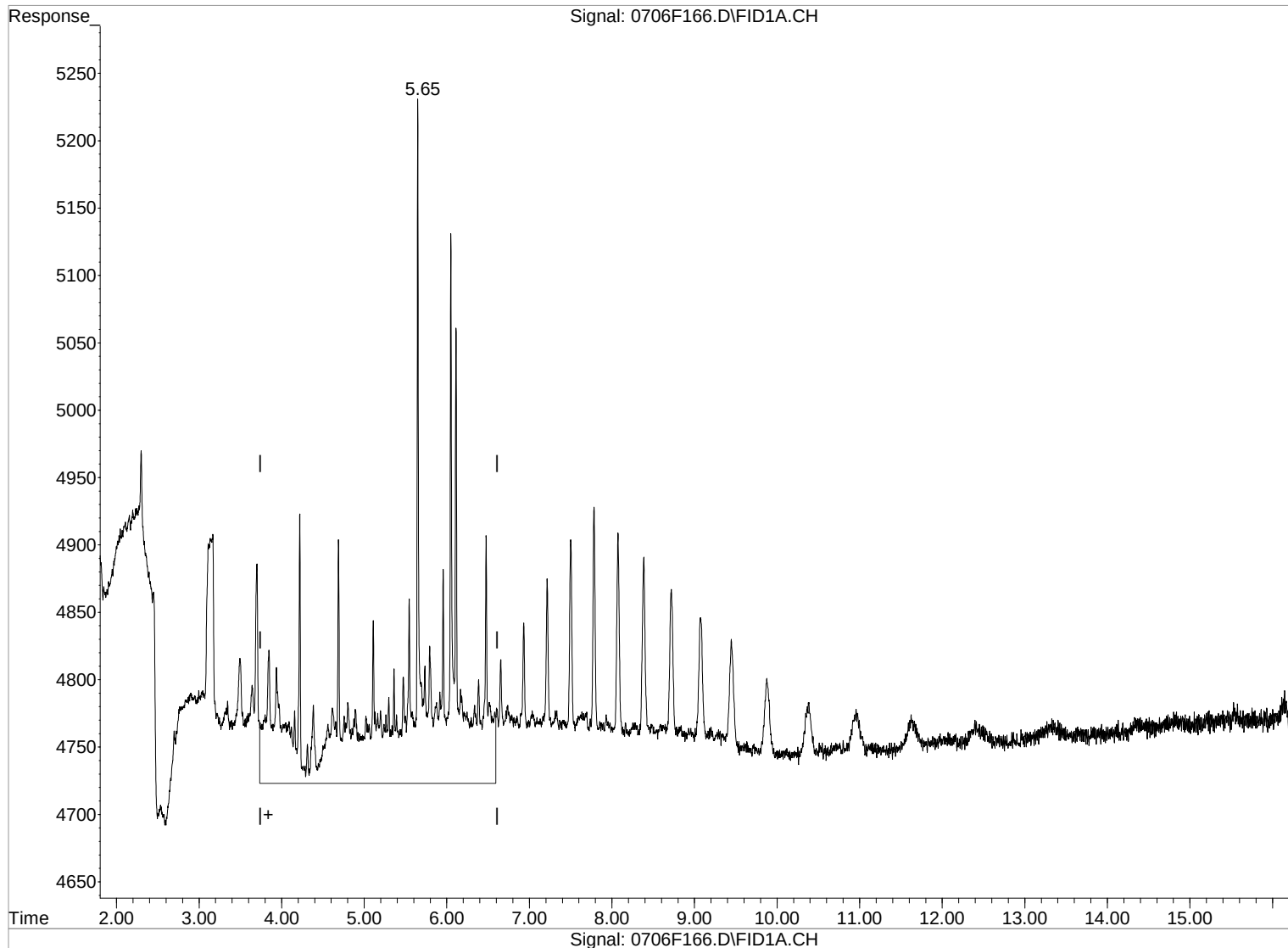
Multiplr: 1.00

Method : J:\GC21\METHODS\070620F.M (RTE Integrator)

Title : 8015/NWTPH/AK SVF MJ257 CAL16158

Last Update : Tue Jul 07 08:30:44 2020

Response via : Multiple Level Calibration



(8) C12-C25ex DRO [NWTPH] (H)

3.84min 6.968ppm

response 9379

Manual Integration:

After

Baseline/Shoulder

07/07/20

(+) = Expected Retention Time

0706F166.D 070620F.M

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Data File : J:\GC21\DATA\070620F\0706F167.D Vial: 17
Acq On : 07 Jul 2020 7:41 am Operator: TAP
Sample : DRO SVF02-92G 50,000 Inst : GC21
Misc : Multiplr: 1.00
IntFile : rteint.p
Quant Time: Jul 07 07:58:16 2020 Quant Results File: 070620F.RES

Quant Method : J:\GC21\METHODS\070620F.M (RTE Integrator)
Title : 8015/NWTPH/AK SVF MJ257 CAL16158
Last Update : Tue Jul 07 07:52:15 2020
Response via : Initial Calibration
DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
Signal Phase : ZB-1
Signal Info : 15m x 0.25mm x 1.0 um

Compound	R.T.	Response	Conc Units
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System Monitoring Compounds

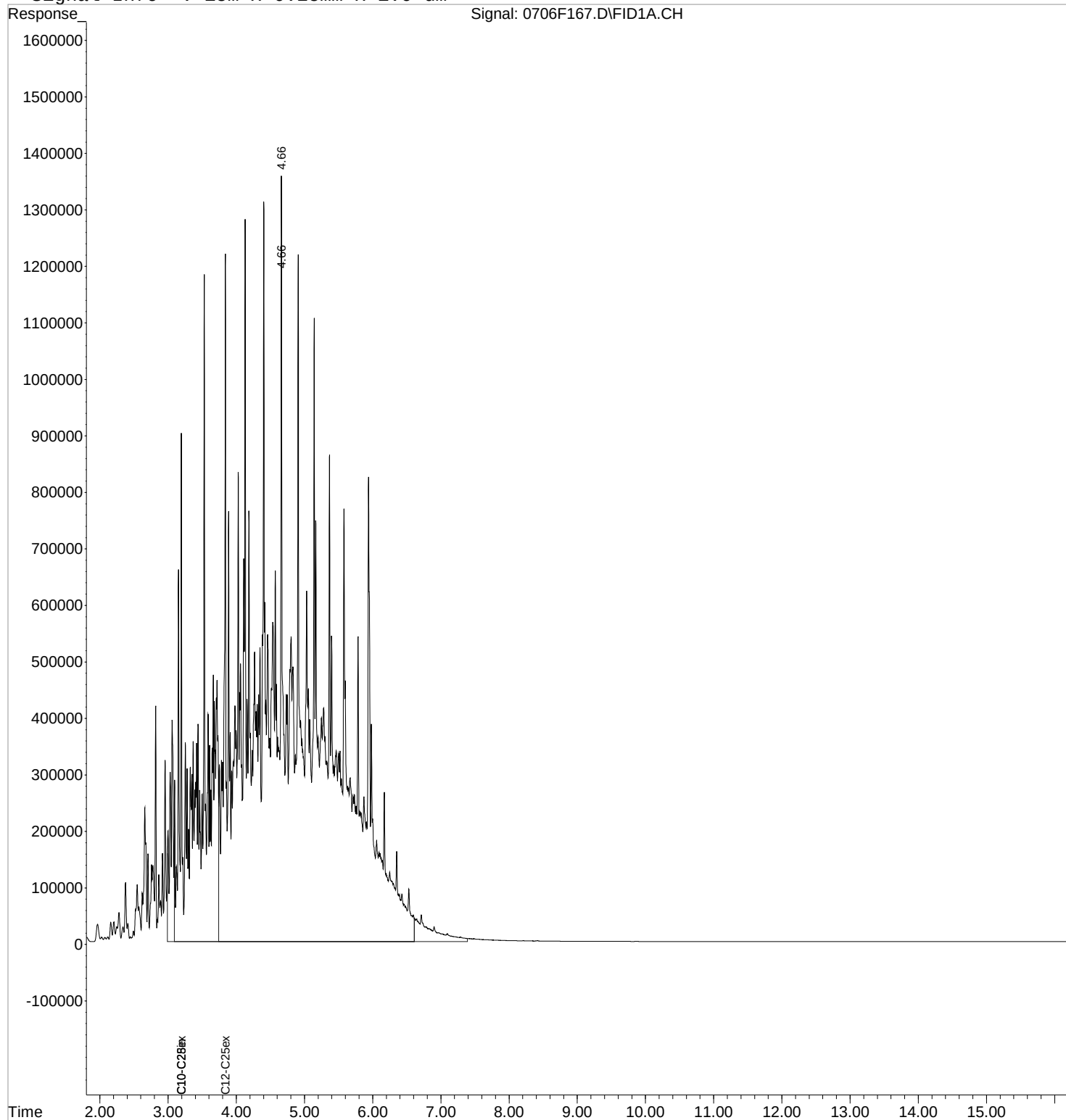
Target Compounds

6) H	C10-C25ex DRO [AK102]	3.19	67084919	42170.791	ppm
7) H	C10-C28in DRO [8015]	3.19	69185862	41627.290	ppm
8) H	C12-C25ex DRO [NWTPH]	3.84	56734812	42394.883	ppm

Data File : J:\GC21\DATA\070620F\0706F167.D Vial: 17
Acq On : 07 Jul 2020 7:41 am Operator: TAP
Sample : DRO SVF02-92G 50,000 Inst : GC21
Misc : Multiplr: 1.00
IntFile : rteint.p
Quant Time: Jul 7 7:58 2020 Quant Results File: 070620F.RES

Quant Method : J:\GC21\METHODS\070620F.M (RTE Integrator)
Title : 8015/NWTPH/AK SVF MJ257 CAL16158
Last Update : Tue Jul 07 07:52:15 2020
Response via : Single Level Calibration
DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
Signal Phase : ZB-1
Signal Info : 15m x 0.25mm x 1.0 um



Data File : J:\GC21\DATA\070620F\0706F168.D Vial: 16
Acq On : 07 Jul 2020 8:03 am Operator: TAP
Sample : DRO SVF02-92H 20,000 Inst : GC21
Misc : Multiplr: 1.00
IntFile : rteint.p
Quant Time: Jul 07 08:22:58 2020 Quant Results File: 070620F.RES

Quant Method : J:\GC21\METHODS\070620F.M (RTE Integrator)
Title : 8015/NWTPH/AK SVF MJ257 CAL16158
Last Update : Tue Jul 07 07:58:49 2020
Response via : Initial Calibration
DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
Signal Phase : ZB-1
Signal Info : 15m x 0.25mm x 1.0 um

Compound	R.T.	Response	Conc Units
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System Monitoring Compounds

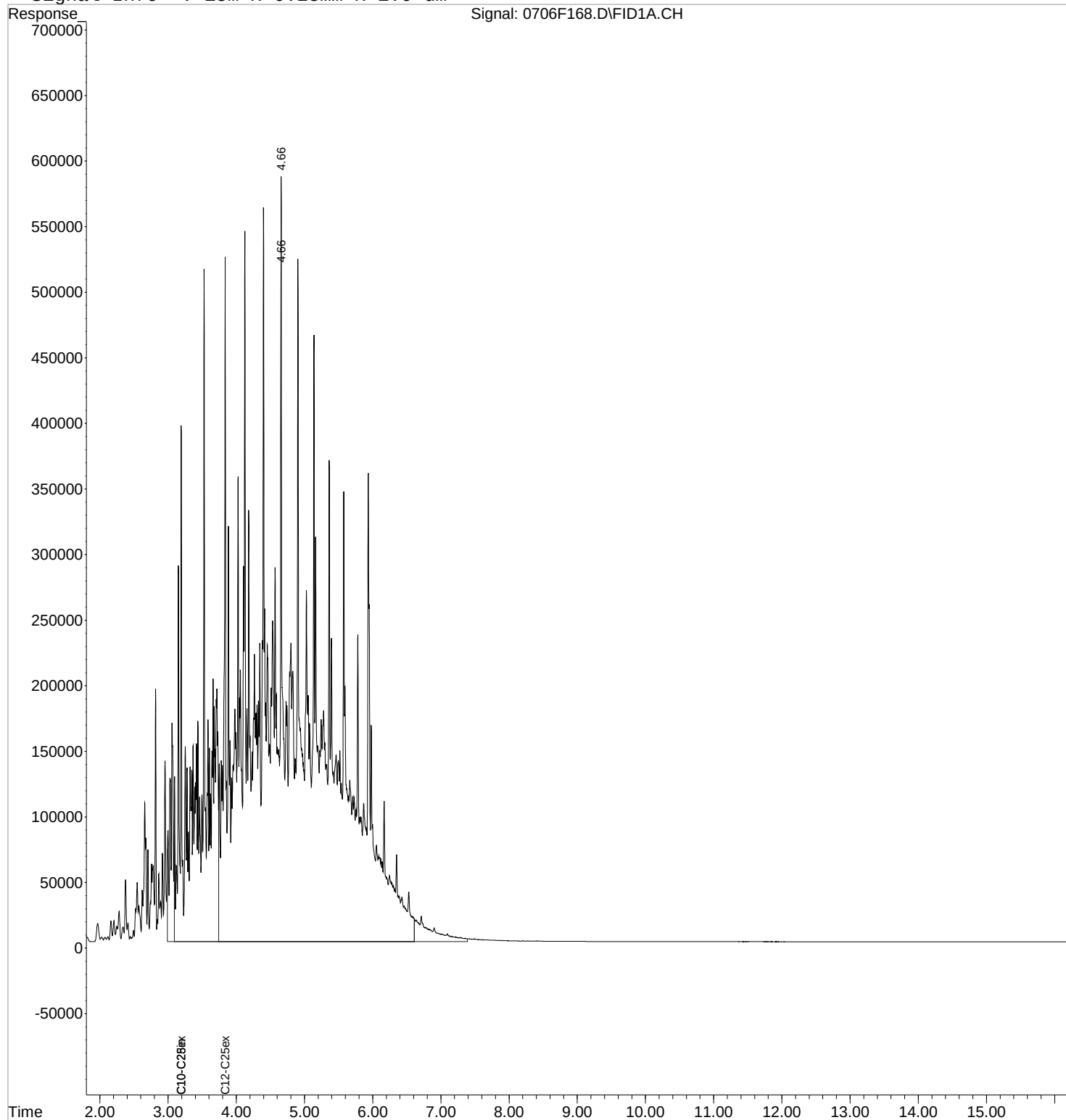
Target Compounds

6) H	C10-C25ex DRO [AK102]	3.19	28170276	17697.716	ppm
7) H	C10-C28in DRO [8015]	3.19	29050701	17467.888	ppm
8) H	C12-C25ex DRO [NWTPH]	3.84	23788918	17768.595	ppm

Data File : J:\GC21\DATA\070620F\0706F168.D Vial: 16
Acq On : 07 Jul 2020 8:03 am Operator: TAP
Sample : DRO SVF02-92H 20,000 Inst : GC21
Misc : Multiplr: 1.00
IntFile : rteint.p
Quant Time: Jul 7 8:23 2020 Quant Results File: 070620F.RES

Quant Method : J:\GC21\METHODS\070620F.M (RTE Integrator)
Title : 8015/NWTPH/AK SVF MJ257 CAL16158
Last Update : Tue Jul 07 07:58:49 2020
Response via : Single Level Calibration
DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
Signal Phase : ZB-1
Signal Info : 15m x 0.25mm x 1.0 um



Data File : J:\GC21\DATA\070620F\0706F169.D Vial: 86
Acq On : 07 Jul 2020 8:26 am Operator: TAP
Sample : IB Inst : GC21
Misc : Multiplr: 1.00
IntFile : rteint.p
Quant Time: Jul 07 09:15:33 2020 Quant Results File: 070620F.RES

Quant Method : J:\GC21\METHODS\070620F.M (RTE Integrator)
Title : 8015/NWTPH/AK SVF MJ257 CAL16158
Last Update : Tue Jul 07 08:30:44 2020
Response via : Initial Calibration
DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
Signal Phase : ZB-1
Signal Info : 15m x 0.25mm x 1.0 um

Compound	R.T.	Response	Conc Units
----------	------	----------	------------

System Monitoring Compounds

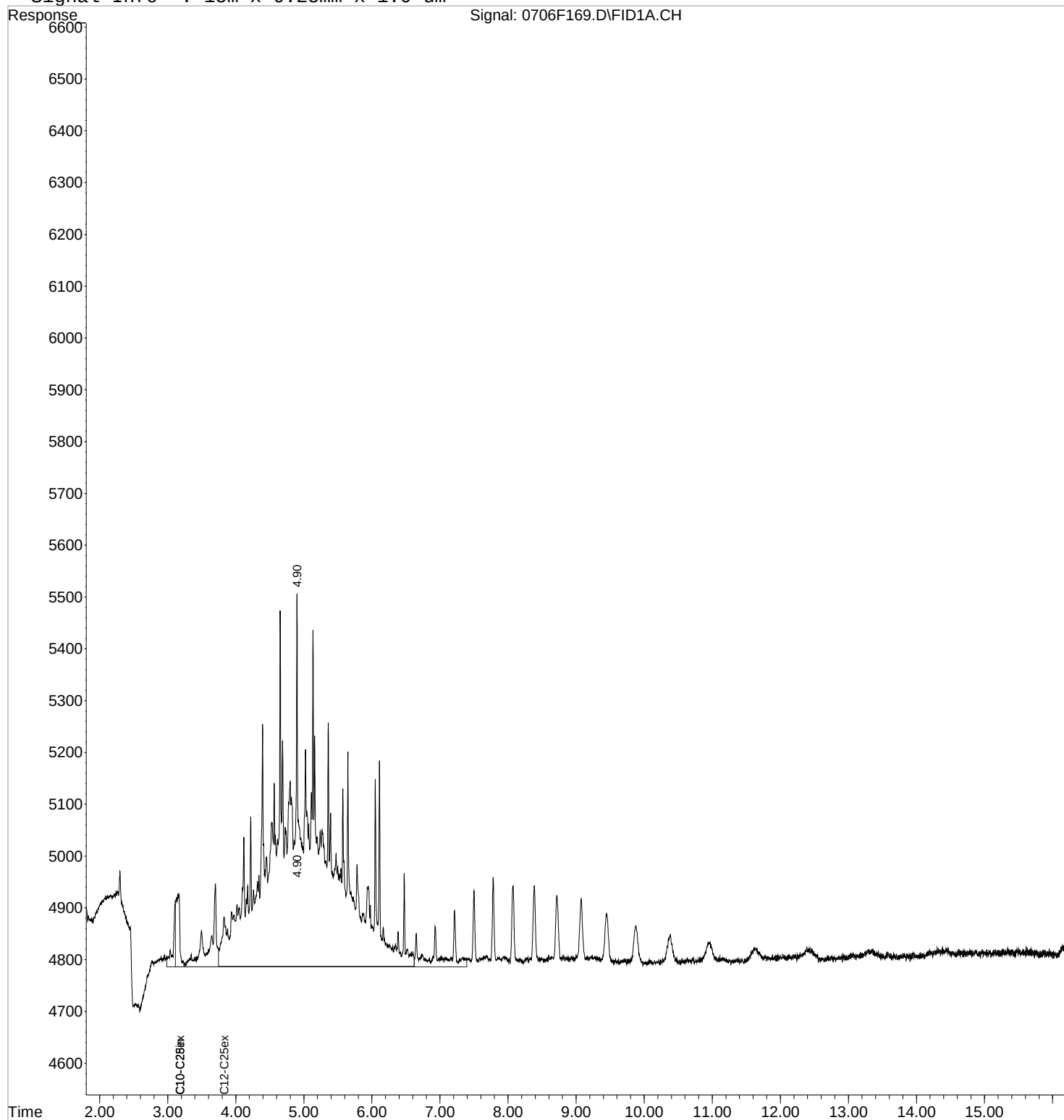
Target Compounds

6) H	C10-C25ex DRO [AK102]	3.19	30584	19.112 ppm
7) H	C10-C28in DRO [8015]	3.19	31838	19.043 ppm
8) H	C12-C25ex DRO [NWTPH]	3.84	28819	21.409 ppm

Data File : J:\GC21\DATA\070620F\0706F169.D Vial: 86
Acq On : 07 Jul 2020 8:26 am Operator: TAP
Sample : IB Inst : GC21
Misc : Multiplr: 1.00
IntFile : rteint.p
Quant Time: Jul 7 9:16 2020 Quant Results File: 070620F.RES

Quant Method : J:\GC21\METHODS\070620F.M (RTE Integrator)
Title : 8015/NWTPH/AK SVF MJ257 CAL16158
Last Update : Tue Jul 07 08:30:44 2020
Response via : Single Level Calibration
DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
Signal Phase : ZB-1
Signal Info : 15m x 0.25mm x 1.0 um



Data File : J:\GC21\DATA\070620F\0706F169.D

Acq On : 07 Jul 2020 8:26 am

Sample : IB

Misc :

IntFile : rteint.p

Quant Time: Jul 7 9:15 2020 Quant Results File: 070620F.RES

Vial: 86

Operator: TAP

Inst : GC21

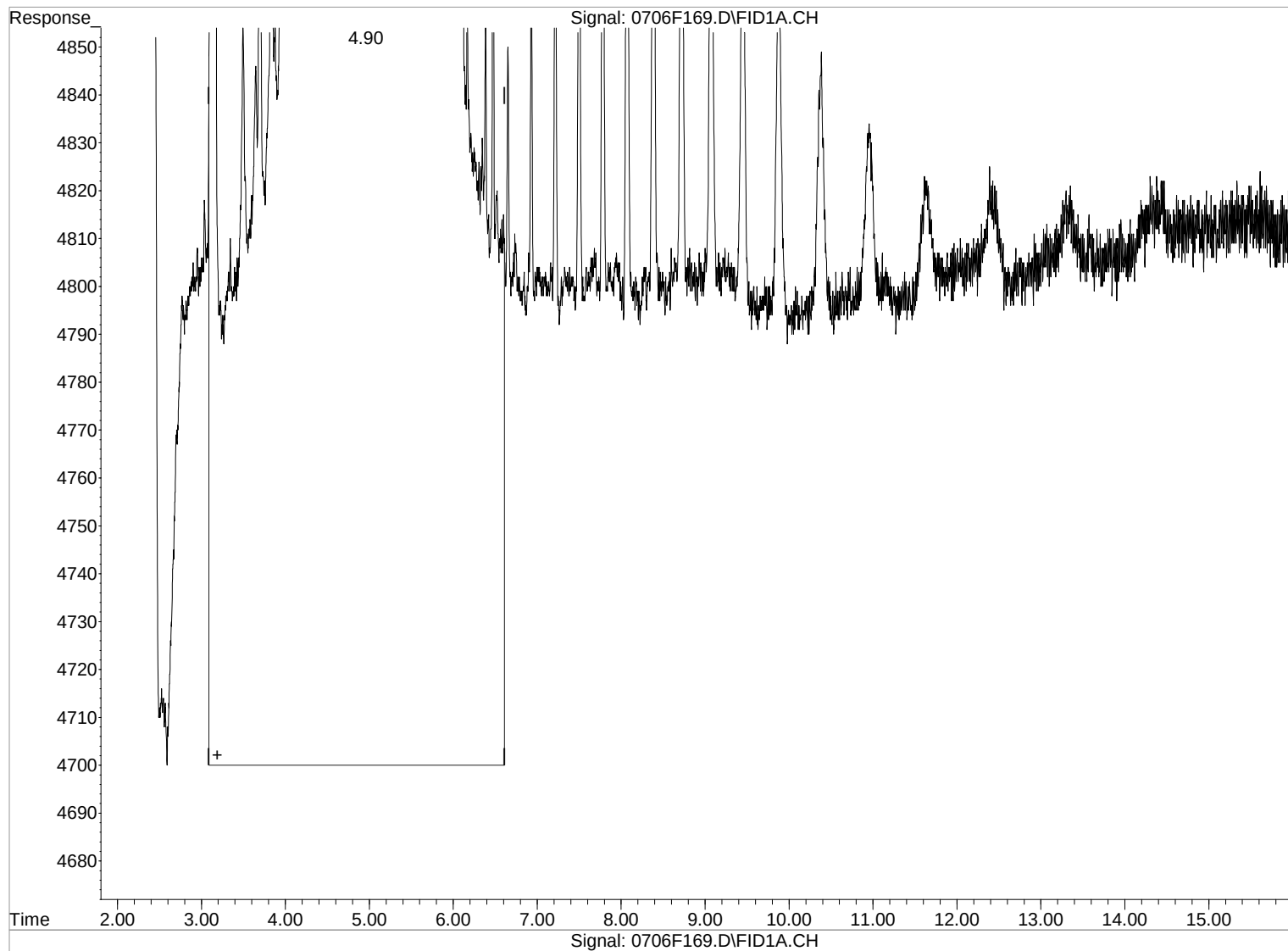
Multiplr: 1.00

Method : J:\GC21\METHODS\070620F.M (RTE Integrator)

Title : 8015/NWTPH/AK SVF MJ257 CAL16158

Last Update : Tue Jul 07 08:30:44 2020

Response via : Multiple Level Calibration



(6) C10-C25ex DRO [AK102] (H)

Manual Integration:

3.19min 30.548ppm

Before

response 48884

07/07/20

(+) = Expected Retention Time

Data File : J:\GC21\DATA\070620F\0706F169.D

Acq On : 07 Jul 2020 8:26 am

Sample : IB

Misc :

IntFile : rteint.p

Quant Time: Jul 7 9:15 2020 Quant Results File: 070620F.RES

Vial: 86

Operator: TAP

Inst : GC21

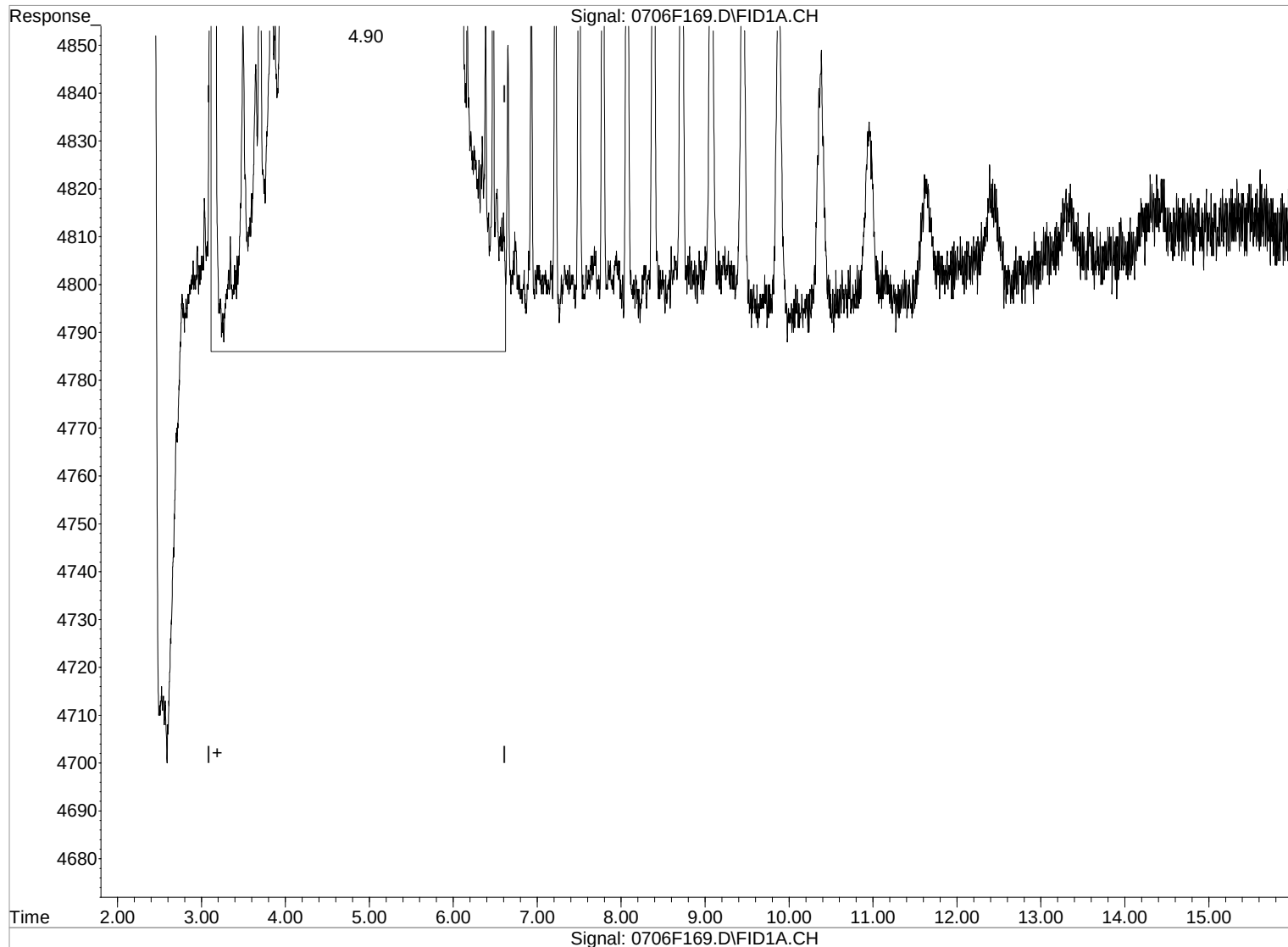
Multiplr: 1.00

Method : J:\GC21\METHODS\070620F.M (RTE Integrator)

Title : 8015/NWTPH/AK SVF MJ257 CAL16158

Last Update : Tue Jul 07 08:30:44 2020

Response via : Multiple Level Calibration



(6) C10-C25ex DRO [AK102] (H)

3.19min 19.112ppm

response 30584

Manual Integration:

After

Baseline/Shoulder

07/07/20

(+) = Expected Retention Time

0706F169.D 070620F.M

Tue Jul 07 09:16:05 2020

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Data File : J:\GC21\DATA\070620F\0706F169.D

Acq On : 07 Jul 2020 8:26 am

Sample : IB

Misc :

IntFile : rteint.p

Quant Time: Jul 7 9:15 2020 Quant Results File: 070620F.RES

Vial: 86

Operator: TAP

Inst : GC21

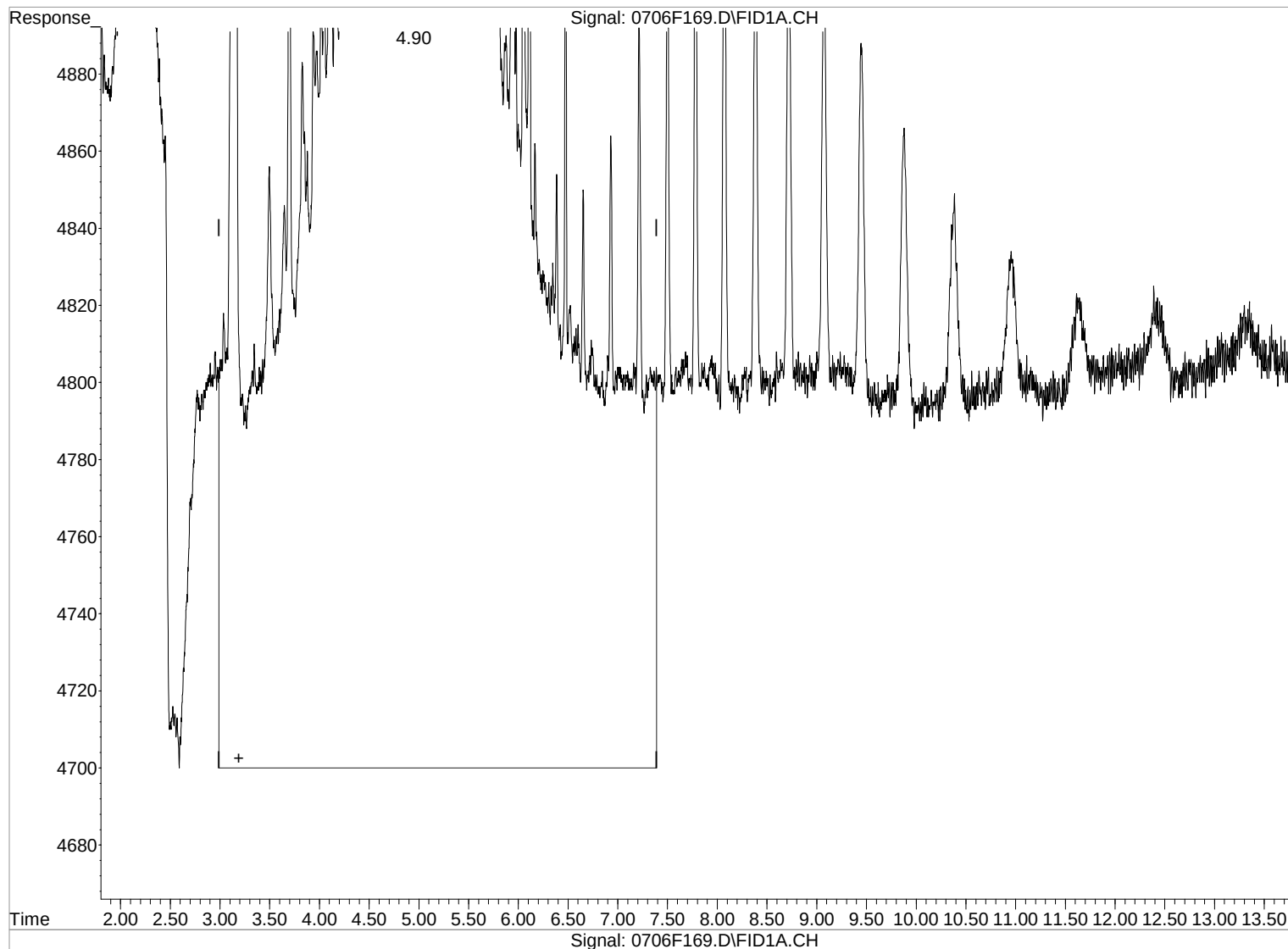
Multiplr: 1.00

Method : J:\GC21\METHODS\070620F.M (RTE Integrator)

Title : 8015/NWTPH/AK SVF MJ257 CAL16158

Last Update : Tue Jul 07 08:30:44 2020

Response via : Multiple Level Calibration



(7) C10-C28in DRO [8015] (H)

3.19min 32.620ppm

response 54536

Manual Integration:

Before

07/07/20

(+) = Expected Retention Time

Data File : J:\GC21\DATA\070620F\0706F169.D

Acq On : 07 Jul 2020 8:26 am

Sample : IB

Misc :

IntFile : rteint.p

Quant Time: Jul 7 9:15 2020 Quant Results File: 070620F.RES

Vial: 86

Operator: TAP

Inst : GC21

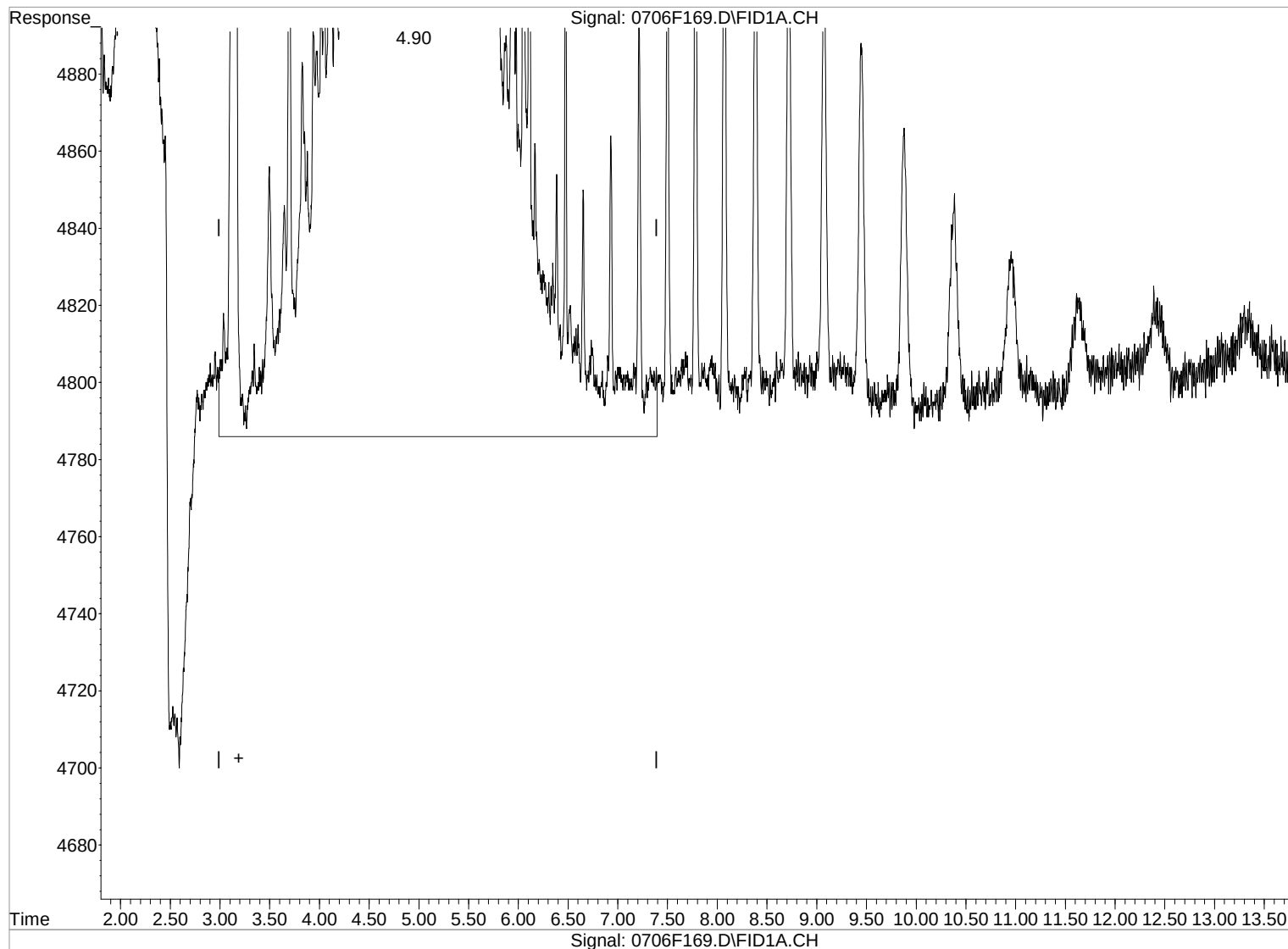
Multiplr: 1.00

Method : J:\GC21\METHODS\070620F.M (RTE Integrator)

Title : 8015/NWTPH/AK SVF MJ257 CAL16158

Last Update : Tue Jul 07 08:30:44 2020

Response via : Multiple Level Calibration



(7) C10-C28in DRO [8015] (H)

3.19min 19.043ppm

response 31838

Manual Integration:

After

Baseline/Shoulder

07/07/20

(+) = Expected Retention Time

0706F169.D 070620F.M

Tue Jul 07 09:16 28 2020

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Data File : J:\GC21\DATA\070620F\0706F169.D

Acq On : 07 Jul 2020 8:26 am

Sample : IB

Misc :

IntFile : rteint.p

Quant Time: Jul 7 9:15 2020 Quant Results File: 070620F.RES

Vial: 86

Operator: TAP

Inst : GC21

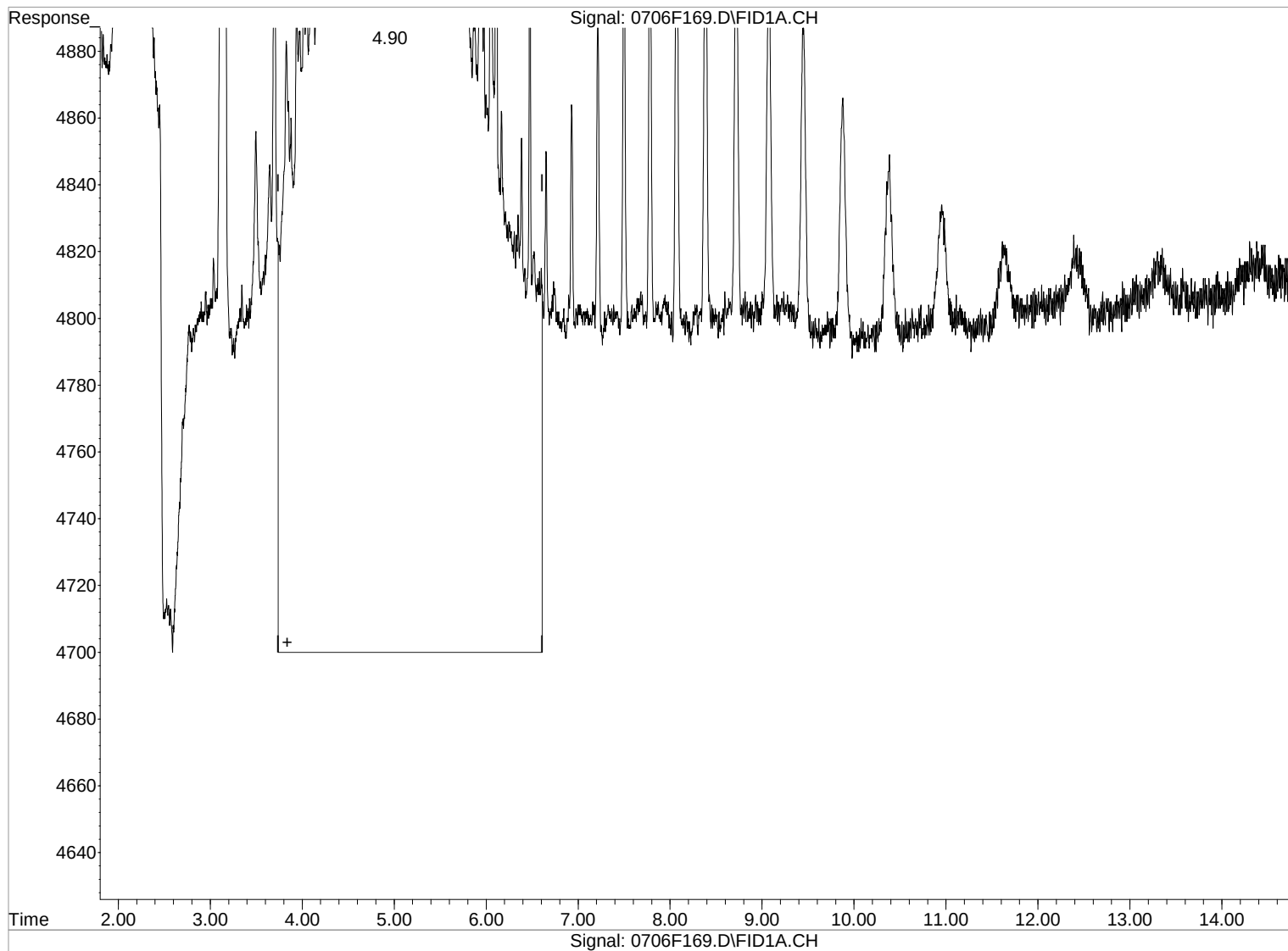
Multiplr: 1.00

Method : J:\GC21\METHODS\070620F.M (RTE Integrator)

Title : 8015/NWTPH/AK SVF MJ257 CAL16158

Last Update : Tue Jul 07 08:30:44 2020

Response via : Multiple Level Calibration



(8) C12-C25ex DRO [NWTPH] (H)

Manual Integration:

3.84min 32.541ppm

Before

response 43803

07/07/20

(+) = Expected Retention Time

Data File : J:\GC21\DATA\070620F\0706F169.D

Acq On : 07 Jul 2020 8:26 am

Sample : IB

Misc :

IntFile : rteint.p

Quant Time: Jul 7 9:15 2020 Quant Results File: 070620F.RES

Vial: 86

Operator: TAP

Inst : GC21

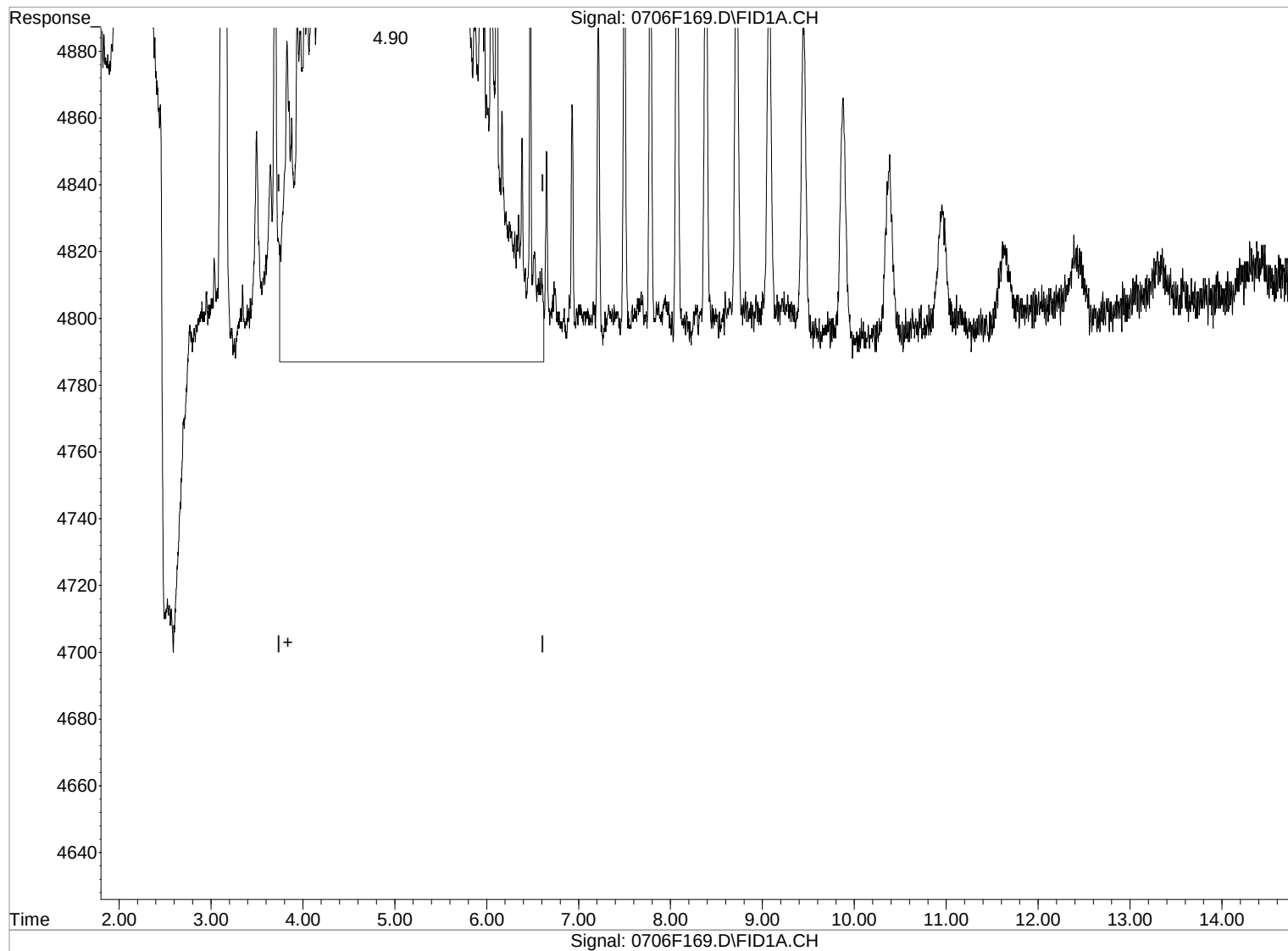
Multiplr: 1.00

Method : J:\GC21\METHODS\070620F.M (RTE Integrator)

Title : 8015/NWTPH/AK SVF MJ257 CAL16158

Last Update : Tue Jul 07 08:30:44 2020

Response via : Multiple Level Calibration



(8) C12-C25ex DRO [NWTPH] (H)

3.84min 21.409ppm

response 28819

Manual Integration:

After

Baseline/Shoulder

07/07/20

(+) = Expected Retention Time

Data File : J:\GC21\DATA\070620F\0706F170.D Vial: 18
Acq On : 07 Jul 2020 8:48 am Operator: TAP
Sample : DRO SVF02-93D ICV@1000 Inst : GC21
Misc : Multiplr: 1.00
IntFile : rteint.p
Quant Time: Jul 07 09:05:42 2020 Quant Results File: 070620F.RES

Quant Method : J:\GC21\METHODS\070620F.M (RTE Integrator)
Title : 8015/NWTPH/AK SVF MJ257 CAL16158
Last Update : Tue Jul 07 08:30:44 2020
Response via : Initial Calibration
DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
Signal Phase : ZB-1
Signal Info : 15m x 0.25mm x 1.0 um

Compound	R.T.	Response	Conc Units
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System Monitoring Compounds

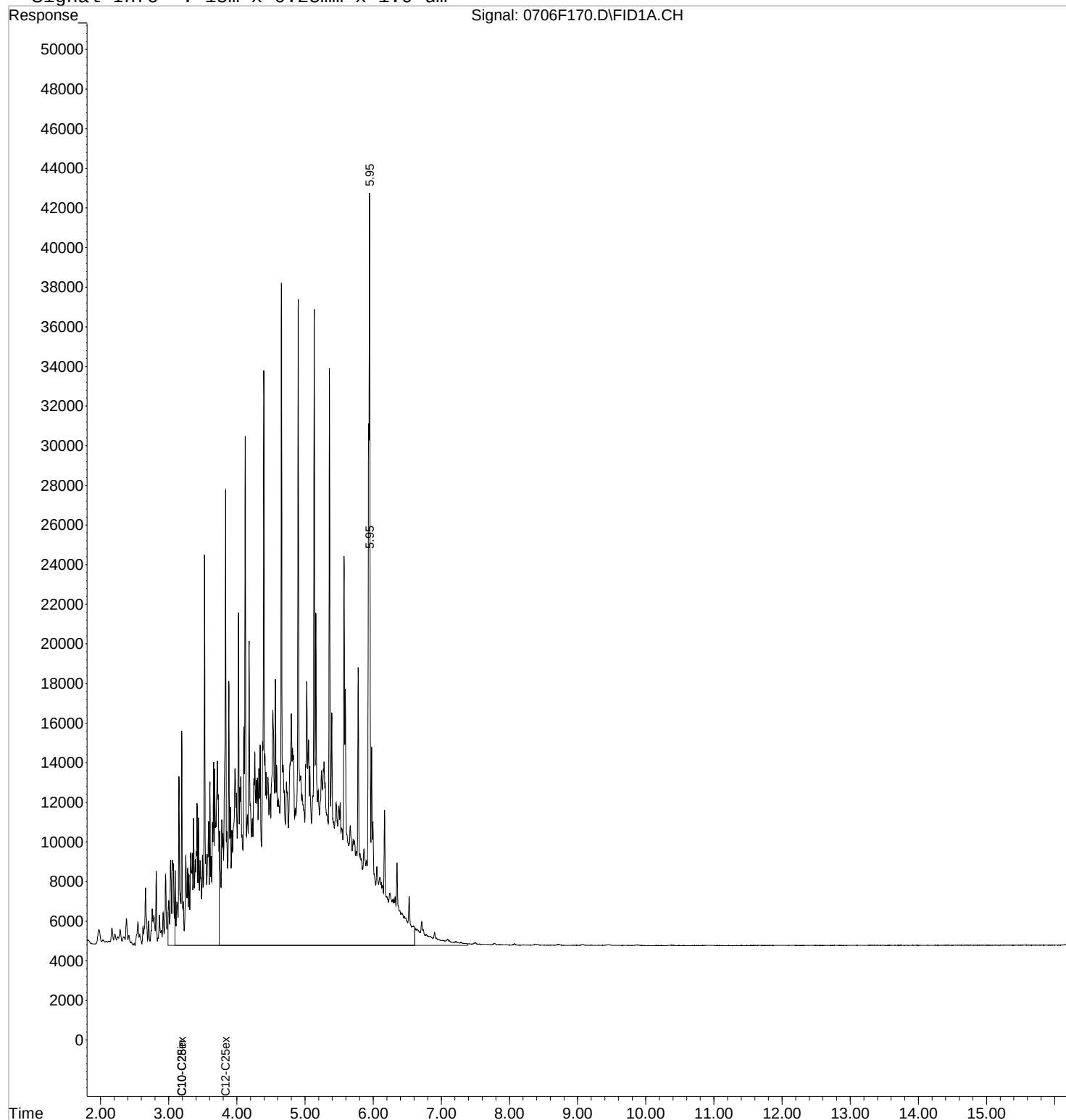
Target Compounds

6) H	C10-C25ex DRO [AK102]	3.19	1387800	867.235 ppm
7) H	C10-C28in DRO [8015]	3.19	1419867	849.268 ppm
8) H	C12-C25ex DRO [NWTPH]	3.84	1214608	902.321 ppm

Data File : J:\GC21\DATA\070620F\0706F170.D Vial: 18
Acq On : 07 Jul 2020 8:48 am Operator: TAP
Sample : DRO SVF02-93D ICV@1000 Inst : GC21
Misc : Multiplr: 1.00
IntFile : rteint.p
Quant Time: Jul 7 9:06 2020 Quant Results File: 070620F.RES

Quant Method : J:\GC21\METHODS\070620F.M (RTE Integrator)
Title : 8015/NWTPH/AK SVF MJ257 CAL16158
Last Update : Tue Jul 07 08:30:44 2020
Response via : Single Level Calibration
DataAcq Meth : SVF_FX32.M

Volume Inj. : 1 uL
Signal Phase : ZB-1
Signal Info : 15m x 0.25mm x 1.0 um



Preparation Information

Group ID: KWG2001876 Prep Method: EPA 3510C Prep Date: 07/01/20 09:28
Department: Semivova GC

Lab Code	Client ID	Product	Matrix	Amt. Ext.	Final Vol.	Solids
K2005423-001	20-06927(360-001)	8015C DRO	WATER	485mL	1ml	
K2005426-001	20-06926(360-011)	8015C DRO	WATER	480mL	1ml	
KWG2001876-1	Matrix Spike	8015C DRO	WATER	480mL	1ml	
KWG2001876-2	Lab Control Sample	8015C DRO	WATER	500mL	1ml	
KWG2001876-3	Duplicate Lab Control Sample	8015C DRO	WATER	500mL	1ml	
KWG2001876-4	Method Blank	8015C DRO	WATER	500mL	1ml	

Lab Code	Parent Lab Code	Comments
KWG2001876-1	K2005423-001	KQ2008829-01
KWG2001876-2		KQ2008829-02
KWG2001876-3		KQ2008829-03
KWG2001876-4		KQ2008829-04

Lab Code	Prep Event ID	Surrogate Solution ID	Amount Added	Spike Solution ID	Amount Added	Witness
K2005423-001	1752227					
K2005426-001	1752228					
KWG2001876-1	1752229					
KWG2001876-2	1752230					
KWG2001876-3	1752231					
KWG2001876-4	1752232					

Comments: _____

Started By: CWilliam Assisted By: _____ Training Yes No
Completed By: WSV Assisted By: _____ Yes No
Reviewed By: BGreen Date: 7/2/20 Storage: _____

Chain of Custody

Relinquished By: _____ Date: 7-1-20
Received By: _____ Date: 7-6-20 Extracts Examined Yes No

Preparation Information

Group ID:	KWG2001876	Prep Method:	EPA 3510C <i>Hold 7-6</i>	Prep Date:	07/01/20 00:00
Department:	Semivoe GC		<i>Due 7-2</i>		<i>RUSH</i>

#	Lab Code	Client ID	B#	✓	Product	Matrix	Amt. Ext. <i>mL</i>	pH	Int. Vol.	Final Vol. <i>mL</i>	Surr. Added	Spike Added
1	K2005423-001	20-06927(360-001)	<i>.02</i>	✓	8015C DRO	WATER	<i>485</i>	<i><2</i>	<i>NA</i>	<i>1</i>	<i>100</i>	<i>1</i>
2	K2005426-001	20-06926(360-011)	<i>.02</i>	✓	8015C DRO	WATER	<i>480</i>	<i><2</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>
3	KWG2001876-1	Matrix Spike <i>K2005423-001</i>	<i>.01</i>	✓	8015C DRO	WATER	<i>480</i>	<i><2</i>	<i>1</i>	<i>1</i>	<i>100</i>	<i>1</i>
4	KWG2001876-2	Lab Control Sample	<i>1</i>		8015C DRO	WATER	<i>500</i>	<i><2</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>
5	KWG2001876-3	Duplicate Lab Control Sample	<i>1</i>		8015C DRO	WATER	<i>500</i>	<i><2</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>
6	KWG2001876-4	Method Blank	<i>1</i>		8015C DRO	WATER	<i>500</i>	<i><2</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>

Comments:

Prep Run # 360991

Surrogate ID: *SU F02-875 Exp 11-11-20 500 ppm 100 µL (Syr)*

Spike ID: *SU F02-906 Exp 12-25-20 16000 ppm 100 µL (Syr)*

Witness: *Daniel S*

Started By: *CWilliam* Assisted By: _____

Completed By: *W5V* Assisted By: _____

ALS Environmental
Extraction Analyst Notes

Service Request: K2005423, K2005426

Prep Group: KWG 2001876

Topic	Notes	Initials/Date
No Anomalies: ☐		
Sample Anomalies: ☐		
Organics Present (sticks, leafs, bugs): ☐		
Fuel Odors: ☐		
Sulfur Odors, Precipitate: ☐		
General Notes:		

ALS Environmental
Appendix from EXT-3510
Extracting Fuel Hydrocarbons in Water

Service Request # K2005423, K2005426 Work Group # KW 2001876

DCM Lot # DY506 HCl Lot # 58242

Extraction Start (time/date/initial): 09:28 7-1-20 CW

Extraction Stop (time/date/initial): 10:20 7-1-20 CW

Sulfate Lot # 201911095 Glass Wool Lot # DY506

S-Evap (time/date/initial): 11:43 7-1-20 W5 S-Evap Thermometer ID: EXT-001

N-Evap (time/date/initial): 13:39 7-1-20 W5 N-Evap Thermometer ID: DWB-012

Sulfuric Acid Clean-up (3665) (time/date/initial): _____ Acid Lot #: _____

Silica Gel Clean-up (3630) (time/date/initial): _____ Silica Gel Lot #: _____

Pipette (5 mL) Lot # 31619647 Pipette (2 mL) Lot # 21119646 Pipette (1 mL) Lot # 11619645

Vial: clear w/ fuel cap Vial Storage: Harry C 1-6

Archived Extract Storage: _____

Bench Sheet Review Check List	
☒	Hold times met; if no, reason: _____
☒	Prep date, time, method, department, product code correct
☒	Spike information and Q.C. correct (insufficient volume or mass recorded if no Q.C.)
☒	Weights/Volumes and units correct on raw and final bench sheets
☒	Sample IDs have been checked - bottle numbers appended if required
☒	Names present for: started by, completed by, relinquished by, and witnessed by
☒	Extract storage recorded
☒	Additional prep sheet completely filled out (NA or line out blanks)
☒	All clean-ups have been noted on additional prep sheet