ALS Environmental
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November 20, 2020

Analytical Report for Service Request No: K2010068

Delaney Peterson
Anchor QEA, LLC
720 Olive Way, Suite 1900
Seattle, WA 98101

RE: GascoSiltronic: US Moorings

Dear Delaney,

Enclosed are the results of the sample(s) submitted to our laboratory November 03, 2020
For your reference, these analyses have been assigned our service request number **K2010068.**

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 3376. You may also contact me via email at Mark.Harris@alsglobal.com.

Respectfully submitted,

ALS Group USA, Corp. dba ALS Environmental

Mark Harris
Project Manager

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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.pjlabs.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/bsdw/labservice.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/anlayte is offered by that state.

Case Narrative

ALS Environmental—Kelso Laboratory
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ALS Environmental

Client: Anchor QEA, LLC
Project: GascoSiltronic: US Moorings
Sample Matrix: Sediment

Service Request: K2010068
Date Received: 11/03/2020

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:

Six sediment samples were received for analysis at ALS Environmental on 11/03/2020. 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:

Method 8151A, 11/14/2020: The analysis of method 8151A requires the use of dual column confirmation. When the Continuing Calibration Verification (CCV) criterion is met for both columns, the lower of the two sample results is generally reported. The primary evaluation criteria were not met on the confirmation column for 2,4,5-TP. The field samples analyzed in this sequence did not contain the analyte in question. Since the apparent problem indicated a potential high bias, the data quality was not affected. No further corrective action was necessary.

Approved by _____ Date 11/20/2020

Chain of Custody

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K2010068

ANCHOR QEA
1201 3rd Avenue, Suite 2600, Seattle, WA 98101

ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY

COC ID: ALS-20201028-160307

POC: # Delaney Peterson (360-715-2707)
1605 Cornwall Avenue, Bellingham, WA 98225

Project: GascoSiltronic: US Moorings
Client: NW Natural

Sample Custodian: CO
Lab: ALS Environmental, Kelso, V

COC Sample Number	Field Sample ID	Sample Type	Matrix	Collected Date	Collected Time	Containers #	Lab QC*	Test Request	Method	TAT**	Preservative
001	USMPDI-055SC-B-11.8-13.8-201028	N	SE	10/28/2020	15:30	2	☐				
								Herbicides	SW8151A	30	4°C
								Total Solids (ALS)	SM2540G	30	4°C
002	USMPDI-055SC-B-13.8-15.8-201028	N	SE	10/28/2020	15:30	2	☐				
								Herbicides	SW8151A	30	4°C
								Total Solids (ALS)	SM2540G	30	4°C
003	USMPDI-055SC-B-3.8-5.8-201028	N	SE	10/28/2020	15:30	2	☐				
								Herbicides	SW8151A	30	4°C
								Total Solids (ALS)	SM2540G	30	4°C
004	USMPDI-055SC-B-5.8-7.8-201028	N	SE	10/28/2020	15:30	2	☐				
								Herbicides	SW8151A	30	4°C
								Total Solids (ALS)	SM2540G	30	4°C
005	USMPDI-055SC-B-7.8-9.8-201028	N	SE	10/28/2020	15:30	2	☐				
								Herbicides	SW8151A	30	4°C
								Total Solids (ALS)	SM2540G	30	4°C
006	USMPDI-055SC-B-9.8-11.8-201028	N	SE	10/28/2020	15:30	2	☐				
								Herbicides	SW8151A	30	4°C
								Total Solids (ALS)	SM2540G	30	4°C

Comment:

Relinquished By:	Received By:	Relinquished By:	Received By:	Relinquished By:	Received By:
Signature	Signature	Signature	Signature	Signature	Signature
Print Name: Sasha Norwood	Print Name: K Morrow	Print Name: K Morrow	Print Name: K Morrow	Print Name	Print Name
Company: Anchor QEA	Company: ALS	Company: ALS	Company: ALS	Company	Company
Date/Time: 10/29/20 0900	Date/Time: 11/3/20 0940	Date/Time: 11/3/20 1210	Date/Time: 11/3/20 1210	Date/Time	Date/Time

* Lab QC Requested for sample when box is checked ** TAT = Turn Around Time in DAYS # POC = Project Point of Contact

Date Printed: 10/28/2020

Page 1 of 1

PM MH

Cooler Receipt and Preservation Form

Client Apex Km Anchor Service Request K20 100608

Received: 11/3/20 Opened: 11/3/20 By: Km Unloaded: 11/3/20 By: K

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? 1 Front
   If present, were custody seals intact? (Y) N If present, were they signed and dated? (Y) N
4. Was a Temperature Blank present in cooler? NA Y (N) If yes, notate the temperature in the appropriate column below:
   If no, take the temperature of a representative sample bottle contained within the cooler; notate in the column "Sample Temp":
5. Were samples received within the method specified temperature ranges? NA (Y) N
   If no, were they received on ice and same day as collected? If not, notate the cooler # below and notify the PM. (NA) Y N

If applicable, tissue samples were received: *Frozen* *Partially Thawed* *Thawed*

Temp Blank	Sample Temp	IR Gun	Cooler #/COC ID / NA	Out of temp indicate with "X"	PM Notified If out of temp	Tracking Number NA	Filed
S N/A	5.8	IR01	ALS-20201028-160307				

6. Packing material: *Inserts* (*Baggies*) (*Bubble Wrap*) *Gel Packs* (*Wet Ice*) *Dry Ice* *Sleeves* _____
7. Were custody papers properly filled out (ink, signed, etc.)? NA (Y) N
8. Were samples received in good condition (unbroken) NA (Y) N
9. Were all sample labels complete (ie, analysis, preservation, etc.)? NA (Y) N
10. Did all sample labels and tags agree with custody papers? NA (Y) N
11. Were appropriate bottles/containers and volumes received for the tests indicated? NA (Y) N
12. Were the pH-preserved bottles (*see SMO GEN SOP*) received at the appropriate pH? *Indicate in the table below* (NA) Y N
13. Were VOA vials received without headspace? *Indicate in the table below.* (NA) Y N
14. Was C12/Res negative? (NA) Y N

Sample ID on Bottle	Sample ID on COC	Identified by:

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

Notes, Discrepancies, Resolutions: _____

SHORT HOLD TIME

Total Solids

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Analytical Report

Client:	Anchor QEA, LLC	**Service Request:**	K2010068
Project:	GascoSiltronic: US Moorings	**Date Collected:**	10/28/20
Sample Matrix:	Sediment	**Date Received:**	11/3/20
Analysis Method:	SM 2540 G	**Units:**	Percent
Prep Method:	None	**Basis:**	As Received

Solids, Total

Sample Name	Lab Code	Result	MRL	MDL	Dil.	Date Analyzed	Q
USMPDI-055SC-B-11.8-13.8-201028	K2010068-001	**82.3**	-	-	1	11/04/20 13:30	
USMPDI-055SC-B-13.8-15.8-201028	K2010068-002	**82.7**	-	-	1	11/04/20 13:30	
USMPDI-055SC-B-3.8-5.8-201028	K2010068-003	**80.4**	-	-	1	11/04/20 13:30	
USMPDI-055SC-B-5.8-7.8-201028	K2010068-004	**76.6**	-	-	1	11/04/20 13:30	
USMPDI-055SC-B-7.8-9.8-201028	K2010068-005	**81.1**	-	-	1	11/04/20 13:30	
USMPDI-055SC-B-9.8-11.8-201028	K2010068-006	**84.3**	-	-	1	11/04/20 13:30	
Method Blank	K2010068-MB	ND U	-	-	1	11/04/20 13:30	

ALS Group USA, Corp.

dba ALS Environmental

QA/QC Report

Client:	Anchor QEA, LLC	**Service Request:**	K2010068
Project	GascoSiltronic: US Moorings	**Date Collected:**	10/28/20
Sample Matrix:	Sediment	**Date Received:**	11/03/20
		Date Analyzed:	11/04/20

Replicate Sample Summary
General Chemistry Parameters

Sample Name:	USMPDI-055SC-B-13.8-15.8-201028	**Units:**	Percent
Lab Code:	K2010068-002	**Basis:**	As Received

Analyte Name	Analysis Method	MRL	MDL	Sample Result	Duplicate Sample K2010068-002DUP Result	Average	RPD	RPD Limit
Solids, Total	SM 2540 G	-	-	82.7	82.8	82.8	<1	20

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

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

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

Chlorinated Herbicides by GC

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Analytical Report

Client:	Anchor QEA, LLC	**Service Request:**	K2010068
Project:	GascoSiltronic: US Moorings	**Date Collected:**	10/28/20 15:30
Sample Matrix:	Sediment	**Date Received:**	11/03/20 12:10
Sample Name:	USMPDI-055SC-B-11.8-13.8-201028	**Units:**	ug/Kg
Lab Code:	K2010068-001	**Basis:**	Dry

Chlorinated Herbicides by GC

Analysis Method: 8151A
Prep Method: Method

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
2,4,5-TP	ND U	60	2.9	1	11/14/20 16:33	11/4/20	
2,4-D	ND U	60	9.3	1	11/14/20 16:33	11/4/20	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
DCAA	72	26 - 127	11/14/20 16:33	

Analytical Report

Client:	Anchor QEA, LLC	**Service Request:**	K2010068
Project:	GascoSiltronic: US Moorings	**Date Collected:**	10/28/20 15:30
Sample Matrix:	Sediment	**Date Received:**	11/03/20 12:10
Sample Name:	USMPDI-055SC-B-13.8-15.8-201028	**Units:**	ug/Kg
Lab Code:	K2010068-002	**Basis:**	Dry

Chlorinated Herbicides by GC

Analysis Method: 8151A
Prep Method: Method

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
2,4,5-TP	ND U	60	2.9	1	11/14/20 16:56	11/4/20	
2,4-D	ND U	60	9.3	1	11/14/20 16:56	11/4/20	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
DCAA	66	26 - 127	11/14/20 16:56	

Analytical Report

Client:	Anchor QEA, LLC	**Service Request:**	K2010068
Project:	GascoSiltronic: US Moorings	**Date Collected:**	10/28/20 15:30
Sample Matrix:	Sediment	**Date Received:**	11/03/20 12:10
Sample Name:	USMPDI-055SC-B-3.8-5.8-201028	**Units:**	ug/Kg
Lab Code:	K2010068-003	**Basis:**	Dry

Chlorinated Herbicides by GC

Analysis Method: 8151A
Prep Method: Method

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
2,4,5-TP	ND U	62	3.0	1	11/14/20 17:19	11/4/20	
2,4-D	ND U	62	9.6	1	11/14/20 17:19	11/4/20	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
DCAA	72	26 - 127	11/14/20 17:19	

Analytical Report

Client:	Anchor QEA, LLC	**Service Request:**	K2010068
Project:	GascoSiltronic: US Moorings	**Date Collected:**	10/28/20 15:30
Sample Matrix:	Sediment	**Date Received:**	11/03/20 12:10
Sample Name:	USMPDI-055SC-B-5.8-7.8-201028	**Units:**	ug/Kg
Lab Code:	K2010068-004	**Basis:**	Dry

Chlorinated Herbicides by GC

Analysis Method: 8151A
Prep Method: Method

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
2,4,5-TP	ND U	65	3.2	1	11/14/20 17:42	11/4/20	
2,4-D	ND U	65	10	1	11/14/20 17:42	11/4/20	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
DCAA	79	26 - 127	11/14/20 17:42	

Analytical Report

Client:	Anchor QEA, LLC	**Service Request:**	K2010068
Project:	GascoSiltronic: US Moorings	**Date Collected:**	10/28/20 15:30
Sample Matrix:	Sediment	**Date Received:**	11/03/20 12:10
Sample Name:	USMPDI-055SC-B-7.8-9.8-201028	**Units:**	ug/Kg
Lab Code:	K2010068-005	**Basis:**	Dry

Chlorinated Herbicides by GC

Analysis Method: 8151A
Prep Method: Method

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
2,4,5-TP	ND U	61	3.0	1	11/14/20 18:05	11/4/20	
2,4-D	ND U	61	9.5	1	11/14/20 18:05	11/4/20	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
DCAA	76	26 - 127	11/14/20 18:05	

Analytical Report

Client:	Anchor QEA, LLC	**Service Request:**	K2010068
Project:	GascoSiltronic: US Moorings	**Date Collected:**	10/28/20 15:30
Sample Matrix:	Sediment	**Date Received:**	11/03/20 12:10
Sample Name:	USMPDI-055SC-B-9.8-11.8-201028	**Units:**	ug/Kg
Lab Code:	K2010068-006	**Basis:**	Dry

Chlorinated Herbicides by GC

Analysis Method: 8151A
Prep Method: Method

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
2,4,5-TP	ND U	59	2.9	1	11/14/20 18:28	11/4/20	
2,4-D	ND U	59	9.2	1	11/14/20 18:28	11/4/20	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
DCAA	62	26 - 127	11/14/20 18:28	

Analytical Report

Client:	Anchor QEA, LLC	**Service Request:**	K2010068
Project:	GascoSiltronic: US Moorings	**Date Collected:**	NA
Sample Matrix:	Sediment	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/Kg
Lab Code:	KQ2017246-04	**Basis:**	Dry

Chlorinated Herbicides by GC

Analysis Method: 8151A
Prep Method: Method

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
2,4,5-TP	ND U	50	2.4	1	11/14/20 15:47	11/4/20	
2,4-D	ND U	50	7.7	1	11/14/20 15:47	11/4/20	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
DCAA	68	26 - 127	11/14/20 15:47	

Confirmation Results

Client: Anchor QEA, LLC
Project: GascoSiltronic: US Moorings
SRM Matrix: Sediment
Sample Name: USMPDI-055SC-B-11.8-13.8-201028
Lab Code: KQ2017246-01

Service Request: K2010068
Date Collected: 10/28/20 15:30
Date Received: 11/3/20

Units: ug/Kg
Basis: Dry
Percent Solids: 82.3

Chlorinated Herbicides by GC

Analytical Method: 8151A
Prep Method: Method

	MDL	Primary Result	Confirmation Result	RPD	Q	Dilution Factor	Date Analyzed
2,4,5-TP	2.9	126	147	15		1	11/14/20 19:14
2,4-D	9.3	127	139	9		1	11/14/20 19:14

Confirmation Results

Client: Anchor QEA, LLC
Project: GascoSiltronic: US Moorings
SRM Matrix: Sediment
Sample Name: USMPDI-055SC-B-11.8-13.8-201028
Lab Code: KQ2017246-02

Service Request: K2010068
Date Collected: 10/28/20 15:30
Date Received: 11/3/20

Units: ug/Kg
Basis: Dry
Percent Solids: 82.3

Chlorinated Herbicides by GC

Analytical Method: 8151A
Prep Method: Method

	MDL	Primary Result	Confirmation Result	RPD	Q	Dilution Factor	Date Analyzed
2,4,5-TP	3.0	151	173	14		1	11/14/20 19:37
2,4-D	9.4	149	163	9		1	11/14/20 19:37

Confirmation Results

Client: Anchor QEA, LLC
Project: GascoSiltronic: US Moorings
SRM Matrix: Sediment

Service Request: K2010068
Date Collected: NA
Date Received:

Sample Name: Lab Control Sample
Lab Code: KQ2017246-03

Units: ug/Kg
Basis: Dry

Chlorinated Herbicides by GC

Analytical Method: 8151A
Prep Method: Method

	MDL	Primary Result	Confirmation Result	RPD	Q	Dilution Factor	Date Analyzed
2,4,5-TP	2.4	116	138	17		1	11/14/20 16:10
2,4-D	7.7	116	128	10		1	11/14/20 16:10

Client: Anchor QEA, LLC **Service Request:** K2010068
Project: GascoSiltronic: US Moorings
Sample Matrix: Sediment

SURROGATE RECOVERY SUMMARY
Chlorinated Herbicides by GC

Analysis Method: 8151A
Extraction Method: Method

Sample Name	Lab Code	DCAA 26-127
USMPDI-055SC-B-11.8-13.8-201028	K2010068-001	72
USMPDI-055SC-B-13.8-15.8-201028	K2010068-002	66
USMPDI-055SC-B-3.8-5.8-201028	K2010068-003	72
USMPDI-055SC-B-5.8-7.8-201028	K2010068-004	79
USMPDI-055SC-B-7.8-9.8-201028	K2010068-005	76
USMPDI-055SC-B-9.8-11.8-201028	K2010068-006	62
Method Blank	KQ2017246-04	68
Lab Control Sample	KQ2017246-03	73
USMPDI-055SC-B-11.8-13.8-201028	KQ2017246-01	68
USMPDI-055SC-B-11.8-13.8-201028	KQ2017246-02	75

Client:	Anchor QEA, LLC	**Service Request:**	K2010068
Project:	GascoSiltronic: US Moorings	**Date Collected:**	10/28/20
Sample Matrix:	Sediment	**Date Received:**	11/03/20
		Date Analyzed:	11/14/20
		Date Extracted:	11/4/20

Duplicate Matrix Spike Summary
Chlorinated Herbicides by GC

Sample Name:	USMPDI-055SC-B-11.8-13.8-201028	**Units:**	ug/Kg
Lab Code:	K2010068-001	**Basis:**	Dry
Analysis Method:	8151A		
Prep Method:	Method		

		Matrix Spike			Duplicate Matrix Spike					
		KQ2017246-01			KQ2017246-02					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
2,4,5-TP	ND U	126	201	63	151	202	75	34-129	18	40
2,4-D	ND U	127	201	63	149	202	74	35-129	16	40

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

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

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

Matrix Spike and Matrix Spike Duplicate Data is presented for information purposes only. The matrix may or may not be relevant to samples reported in this report. The laboratory evaluates system performance based on the LCS and LCSD control limits.

Client:	Anchor QEA, LLC	**Service Request:**	K2010068
Project:	GascoSiltronic: US Moorings	**Date Analyzed:**	11/14/20
Sample Matrix:	Sediment	**Date Extracted:**	11/04/20

Lab Control Sample Summary
Chlorinated Herbicides by GC

Analysis Method:	8151A	**Units:**	ug/Kg
Prep Method:	Method	**Basis:**	Dry
		Analysis Lot:	703599

Lab Control Sample
KQ2017246-03

Analyte Name	Result	Spike Amount	% Rec	% Rec Limits
2,4,5-TP	116	167	69	46-125
2,4-D	116	167	70	46-120

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QA/QC Report

Client:	Anchor QEA, LLC	**Service Request:**	K2010068
Project:	GascoSiltronic: US Moorings	**Date Analyzed:**	11/14/20 15:47
Sample Matrix:	Sediment	**Date Extracted:**	11/04/20

Method Blank Summary
Chlorinated Herbicides by GC

Sample Name:	Method Blank	**Instrument ID:**	K-GC-24
Lab Code:	KQ2017246-04	**File ID:**	J:\gc24\data\111420\11140005.D\
Analysis Method:	8151A	**Analysis Lot:**	703599
Prep Method:	Method	**Extraction Lot:**	369146

This Method Blank applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Lab Control Sample	KQ2017246-03	J:\gc24\data\111420\11140006.D\	11/14/20 16:10
USMPDI-055SC-B-11.8-13.8-201028	K2010068-001	J:\gc24\data\111420\11140007.D\	11/14/20 16:33
USMPDI-055SC-B-13.8-15.8-201028	K2010068-002	J:\gc24\data\111420\11140008.D\	11/14/20 16:56
USMPDI-055SC-B-3.8-5.8-201028	K2010068-003	J:\gc24\data\111420\11140009.D\	11/14/20 17:19
USMPDI-055SC-B-5.8-7.8-201028	K2010068-004	J:\gc24\data\111420\11140010.D\	11/14/20 17:42
USMPDI-055SC-B-7.8-9.8-201028	K2010068-005	J:\gc24\data\111420\11140011.D\	11/14/20 18:05
USMPDI-055SC-B-9.8-11.8-201028	K2010068-006	J:\gc24\data\111420\11140012.D\	11/14/20 18:28
USMPDI-055SC-B-11.8-13.8-201028MS	KQ2017246-01	J:\gc24\data\111420\11140014.D\	11/14/20 19:14
USMPDI-055SC-B-11.8-13.8-201028DMS	KQ2017246-02	J:\gc24\data\111420\11140015.D\	11/14/20 19:37

Client:	Anchor QEA, LLC	**Service Request:**	K2010068
Project:	GascoSiltronic: US Moorings	**Date Analyzed:**	11/14/20 16:10
Sample Matrix:	Sediment	**Date Extracted:**	11/04/20

Lab Control Sample Summary
Chlorinated Herbicides by GC

Sample Name:	Lab Control Sample	**Instrument ID:**	K-GC-24
Lab Code:	KQ2017246-03	**File ID:**	J:\gc24\data\111420\11140006.D\
Analysis Method:	8151A	**Analysis Lot:**	703599
Prep Method:	Method	**Extraction Lot:**	369146

This Lab Control Sample applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Method Blank	KQ2017246-04	J:\gc24\data\111420\11140005.D\	11/14/20 15:47
USMPDI-055SC-B-11.8-13.8-201028	K2010068-001	J:\gc24\data\111420\11140007.D\	11/14/20 16:33
USMPDI-055SC-B-13.8-15.8-201028	K2010068-002	J:\gc24\data\111420\11140008.D\	11/14/20 16:56
USMPDI-055SC-B-3.8-5.8-201028	K2010068-003	J:\gc24\data\111420\11140009.D\	11/14/20 17:19
USMPDI-055SC-B-5.8-7.8-201028	K2010068-004	J:\gc24\data\111420\11140010.D\	11/14/20 17:42
USMPDI-055SC-B-7.8-9.8-201028	K2010068-005	J:\gc24\data\111420\11140011.D\	11/14/20 18:05
USMPDI-055SC-B-9.8-11.8-201028	K2010068-006	J:\gc24\data\111420\11140012.D\	11/14/20 18:28
USMPDI-055SC-B-11.8-13.8-201028MS	KQ2017246-01	J:\gc24\data\111420\11140014.D\	11/14/20 19:14
USMPDI-055SC-B-11.8-13.8-201028DMS	KQ2017246-02	J:\gc24\data\111420\11140015.D\	11/14/20 19:37

Client: Anchor QEA, LLC **Service Request:** K2010068
Project: GascoSiltronic: US Moorings **Calibration Date:** 10/21/2020

Initial Calibration Summary
Chlorinated Herbicides by GC

Calibration ID: KC2000566 **Signal ID:** RTX-CLP2
Instrument ID: K-GC-24

#	Lab Code	Sample Name	File Location	Acquisition Date
01	KC2000566-01	PENTA2-14K 10PPB	J:\gc24\data\102120\10210004.D	10/21/2020 13:46
02	KC2000566-02	PENTA2-14L 25PPB	J:\gc24\data\102120\10210005.D	10/21/2020 14:09
03	KC2000566-03	PENTA2-14M 75PPB	J:\gc24\data\102120\10210006.D	10/21/2020 14:33
04	KC2000566-04	PENTA2-14N 100PB	J:\gc24\data\102120\10210007.D	10/21/2020 14:57
05	KC2000566-05	PENTA2-15A 125PB	J:\gc24\data\102120\10210008.D	10/21/2020 15:21
06	KC2000566-06	PENTA2-15B 150PB	J:\gc24\data\102120\10210009.D	10/21/2020 15:44
07	KC2000566-07	PENTA2-15C 175PB	J:\gc24\data\102120\10210010.D	10/21/2020 16:08
08	KC2000566-08	PENTA2-15D 200PB	J:\gc24\data\102120\10210011.D	10/21/2020 16:32

Analyte

2,4,5-TP

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	9.510	9.752E4	02	23.760	9.79E4	03	71.300	9.082E4	04	95.100	9.31E4
05	118.820	9.221E4	06	142.580	9.36E4	07	166.340	9.245E4	08	190.100	9.185E4

2,4-D

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	9.400	2.488E4	02	23.510	2.377E4	03	70.500	2.075E4	04	94.000	2.056E4
05	117.540	2.029E4	06	141.050	2.025E4	07	164.560	1.991E4	08	188.060	1.951E4

DCAA

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	9.020	2.115E4	02	22.550	2.015E4	03	67.600	1.798E4	04	90.200	1.794E4
05	112.730	1.738E4	06	135.280	1.732E4	07	157.830	1.694E4	08	180.370	1.67E4

Client: Anchor QEA, LLC
Project: GascoSiltronic: US Moorings

Service Request: K2010068
Calibration Date: 10/21/2020

Initial Calibration Summary
Chlorinated Herbicides by GC

Calibration ID: KC2000566
Instrument ID: K-GC-24

Signal ID: RTX-CLP2

		Calibration Evaluation				Calibration Evaluation	
Analyte Name	Compound Type	Fit Type	Eval	Eval Result	Control Criteria	Average RRF	Minimum RRF
2,4,5-TP	TRG	Average RF	% RSD	2.8	≤20	9.368E4	
2,4-D	TRG	Average RF	% RSD	9.3	≤20	2.124E4	
DCAA	SURR	Average RF	% RSD	8.8	≤20	1.82E4	

Client: Anchor QEA, LLC **Service Request:** K2010068
Project: GascoSiltronic: US Moorings **Calibration Date:** 10/21/2020

Initial Calibration Summary
Chlorinated Herbicides by GC

Calibration ID: KC2000566 **Signal ID:** ZB-XLB-HT
Instrument ID: K-GC-24

#	Lab Code	Sample Name	File Location	Acquisition Date
01	KC2000566-01	PENTA2-14K 10PPB	J:\gc24\data\102120\10210004.D	10/21/2020 13:46
02	KC2000566-02	PENTA2-14L 25PPB	J:\gc24\data\102120\10210005.D	10/21/2020 14:09
03	KC2000566-03	PENTA2-14M 75PPB	J:\gc24\data\102120\10210006.D	10/21/2020 14:33
04	KC2000566-04	PENTA2-14N 100PB	J:\gc24\data\102120\10210007.D	10/21/2020 14:57
05	KC2000566-05	PENTA2-15A 125PB	J:\gc24\data\102120\10210008.D	10/21/2020 15:21
06	KC2000566-06	PENTA2-15B 150PB	J:\gc24\data\102120\10210009.D	10/21/2020 15:44
07	KC2000566-07	PENTA2-15C 175PB	J:\gc24\data\102120\10210010.D	10/21/2020 16:08
08	KC2000566-08	PENTA2-15D 200PB	J:\gc24\data\102120\10210011.D	10/21/2020 16:32

Analyte

2,4,5-TP

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	9.510	2.358E5	02	23.760	2.178E5	03	71.300	1.953E5	04	95.100	1.956E5
05	118.820	1.949E5	06	142.580	1.947E5	07	166.340	1.946E5	08	190.100	1.952E5

2,4-D

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	9.400	6.995E4	02	23.510	5.929E4	03	70.500	4.845E4	04	94.000	4.767E4
05	117.540	4.681E4	06	141.050	4.616E4	07	164.560	4.575E4	08	188.060	4.551E4

DCAA

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	9.020	5.587E4	02	22.550	4.943E4	03	67.600	4.041E4	04	90.200	3.953E4
05	112.730	3.892E4	06	135.280	3.822E4	07	157.830	3.814E4	08	180.370	3.787E4

Client: Anchor QEA, LLC
Project: GascoSiltronic: US Moorings

Service Request: K2010068
Calibration Date: 10/21/2020

Initial Calibration Summary
Chlorinated Herbicides by GC

Calibration ID: KC2000566
Instrument ID: K-GC-24

Signal ID: ZB-XLB-HT

		Calibration Evaluation				Calibration Evaluation	
Analyte Name	Compound Type	Fit Type	Eval	Eval Result	Control Criteria	Average RRF	Minimum RRF
2,4,5-TP	TRG	Average RF	% RSD	7.6	≤20	2.03E5	
2,4-D	TRG	Average RF	% RSD	17.2	≤20	5.12E4	
DCAA	SURR	Average RF	% RSD	15.8	≤20	4.23E4	

Client: Anchor QEA, LLC **Service Request:** K2010068
Project: GascoSiltronic: US Moorings **Calibration Date:** 10/21/2020

Initial Calibration Verification Summary
Chlorinated Herbicides by GC

Calibration ID: KC2000566 **Signal ID:** RTX-CLP2
Instrument ID: K-GC-24

#	Lab Code	Sample Name	File Location	Acquisition Date
09	KC2000566-09	PENTA2-15E ICV 100 PPB	J:\gc24\data\102120\10210012.D	10/21/2020 16:56

Analyte Name	Expected	Result	Average RF	SSV RF	% D	Criteria	Curve Fit
2,4,5-TP	95.1	93.4	9.368E4	9.198E4	-1.819	±20	Average RF
2,4-D	94.0	90.4	2.124E4	2.043E4	-3.805	±20	Average RF

Client: Anchor QEA, LLC **Service Request:** K2010068
Project: GascoSiltronic: US Moorings **Calibration Date:** 10/21/2020

Initial Calibration Verification Summary
Chlorinated Herbicides by GC

Calibration ID: KC2000566 **Signal ID:** ZB-XLB-HT
Instrument ID: K-GC-24

#	Lab Code	Sample Name	File Location	Acquisition Date
09	KC2000566-09	PENTA2-15E ICV 100 PPB	J:\gc24\data\102120\10210012.D	10/21/2020 16:56

Analyte Name	Expected	Result	Average RF	SSV RF	% D	Criteria	Curve Fit
2,4,5-TP	95.1	92.5	2.03E5	1.974E5	-2.734	±20	Average RF
2,4-D	94.0	83.6	5.12E4	4.556E4	-11.018	±20	Average RF

Client:	Anchor QEA, LLC	**Service Request:**	K2010068
Project:	GascoSiltronic: US Moorings	**Date Analyzed:**	11/14/20 15:01

Continuing Calibration Verification (CCV) Summary
Chlorinated Herbicides by GC

Analysis Method:	8151A	**Calibration Date:**	10/21/2020
File ID:	J:\gc24\data\111420\11140003.D\	**Calibration ID:**	KC2000566
Signal ID:	RTX-CLP2	**Analysis Lot:**	703599
		Units:	ppb

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
2,4,5-TP	95.1	98.7	9.368E4	9.722E4	3.8	NA	±20	Average RF
2,4-D	94.0	97.6	2.124E4	2.206E4	3.9	NA	±20	Average RF

Client:	Anchor QEA, LLC	**Service Request:**	K2010068
Project:	GascoSiltronic: US Moorings	**Date Analyzed:**	11/14/20 15:01

Continuing Calibration Verification (CCV) Summary
Chlorinated Herbicides by GC

Analysis Method:	8151A	**Calibration Date:**	10/21/2020
File ID:	J:\gc24\data\111420\11140003.D\	**Calibration ID:**	KC2000566
Signal ID:	ZB-XLB-HT	**Analysis Lot:**	703599
		Units:	ppb

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
2,4,5-TP	95.1	114	2.03E5	2.429E5	19.7	NA	±20	Average RF
2,4-D	94.0	104	5.12E4	5.652E4	10.4	NA	±20	Average RF

Client:	Anchor QEA, LLC	**Service Request:**	K2010068
Project:	GascoSiltronic: US Moorings	**Date Analyzed:**	11/14/20 20:00

Continuing Calibration Verification (CCV) Summary
Chlorinated Herbicides by GC

Analysis Method:	8151A	**Calibration Date:**	10/21/2020
File ID:	J:\gc24\data\111420\11140016.D\	**Calibration ID:**	KC2000566
Signal ID:	RTX-CLP2	**Analysis Lot:**	703599
		Units:	ppb

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
2,4,5-TP	95.1	102	9.368E4	1.005E5	7.3	NA	±20	Average RF
2,4-D	94.0	98.7	2.124E4	2.23E4	5.0	NA	±20	Average RF

Client:	Anchor QEA, LLC	**Service Request:**	K2010068
Project:	GascoSiltronic: US Moorings	**Date Analyzed:**	11/14/20 20:00

Continuing Calibration Verification (CCV) Summary
Chlorinated Herbicides by GC

Analysis Method:	8151A	**Calibration Date:**	10/21/2020
File ID:	J:\gc24\data\111420\11140016.D\	**Calibration ID:**	KC2000566
Signal ID:	ZB-XLB-HT	**Analysis Lot:**	703599
		Units:	ppb

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
2,4,5-TP	95.1	117	2.03E5	2.492E5	22.8*	NA	±20	Average RF
2,4-D	94.0	108	5.12E4	5.873E4	14.7	NA	±20	Average RF

Client:	Anchor QEA, LLC	**Service Request:**	K2010068
Project:	GascoSiltronic: US Moorings	**Date Analyzed:**	11/14/20 00:35

Continuing Calibration Verification (CCV) Summary
Chlorinated Herbicides by GC

Analysis Method:	8151A	**Calibration Date:**	10/21/2020
File ID:	J:\gc24\data\111420\11140028.D\	**Calibration ID:**	KC2000566
Signal ID:	RTX-CLP2	**Analysis Lot:**	703599
		Units:	ppb

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
2,4,5-TP	95.1	102	9.368E4	1.0E5	6.8	NA	±20	Average RF
2,4-D	94.0	99.8	2.124E4	2.255E4	6.2	NA	±20	Average RF

Client:	Anchor QEA, LLC	**Service Request:**	K2010068
Project:	GascoSiltronic: US Moorings	**Date Analyzed:**	11/14/20 00:35

Continuing Calibration Verification (CCV) Summary
Chlorinated Herbicides by GC

Analysis Method:	8151A	**Calibration Date:**	10/21/2020
File ID:	J:\gc24\data\111420\11140028.D\	**Calibration ID:**	KC2000566
Signal ID:	ZB-XLB-HT	**Analysis Lot:**	703599
		Units:	ppb

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
2,4,5-TP	95.1	118	2.03E5	2.524E5	24.3*	NA	±20	Average RF
2,4-D	94.0	109	5.12E4	5.915E4	15.5	NA	±20	Average RF

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QA/QC Report

Client: Anchor QEA, LLC **Service Request:**K2010068
Project: GascoSiltronic: US Moorings

Analysis Run Log
Chlorinated Herbicides by GC

Analysis Method: **Analysis Lot:**703599
Instrument ID:K-GC-24

Raw Data File	Sample Name	Lab Code	Date Analyzed	Time Analyzed	Q
J:\gc24\data\111420\11140027.D\	ZZZZZZZ	ZZZZZZZ	11/14/2020	00:12:00	
J:\gc24\data\111420\11140028.D\	Continuing Calibration Verification	KQ2018066-05	11/14/2020	00:35:00	
J:\gc24\data\111420\11140029.D\	Continuing Calibration Blank	KQ2018066-06	11/14/2020	00:58:00	
J:\gc24\data\111420\11140003.D\	Continuing Calibration Verification	KQ2018066-01	11/14/2020	15:01:00	
J:\gc24\data\111420\11140004.D\	Continuing Calibration Blank	KQ2018066-02	11/14/2020	15:24:00	
J:\gc24\data\111420\11140005.D\	Method Blank	KQ2017246-04	11/14/2020	15:47:00	
J:\gc24\data\111420\11140006.D\	Lab Control Sample	KQ2017246-03	11/14/2020	16:10:00	
J:\gc24\data\111420\11140007.D\	USMPDI-055SC-B-11.8-13.8-201028	K2010068-001	11/14/2020	16:33:00	
J:\gc24\data\111420\11140008.D\	USMPDI-055SC-B-13.8-15.8-201028	K2010068-002	11/14/2020	16:56:00	
J:\gc24\data\111420\11140009.D\	USMPDI-055SC-B-3.8-5.8-201028	K2010068-003	11/14/2020	17:19:00	
J:\gc24\data\111420\11140010.D\	USMPDI-055SC-B-5.8-7.8-201028	K2010068-004	11/14/2020	17:42:00	
J:\gc24\data\111420\11140011.D\	USMPDI-055SC-B-7.8-9.8-201028	K2010068-005	11/14/2020	18:05:00	
J:\gc24\data\111420\11140012.D\	USMPDI-055SC-B-9.8-11.8-201028	K2010068-006	11/14/2020	18:28:00	
J:\gc24\data\111420\11140013.D\	ZZZZZZZ	ZZZZZZZ	11/14/2020	18:51:00	
J:\gc24\data\111420\11140014.D\	USMPDI-055SC-B-11.8-13.8-201028 MS	KQ2017246-01	11/14/2020	19:14:00	
J:\gc24\data\111420\11140015.D\	USMPDI-055SC-B-11.8-13.8-201028 DMS	KQ2017246-02	11/14/2020	19:37:00	
J:\gc24\data\111420\11140016.D\	Continuing Calibration Verification	KQ2018066-03	11/14/2020	20:00:00	
J:\gc24\data\111420\11140017.D\	Continuing Calibration Blank	KQ2018066-04	11/14/2020	20:23:00	
J:\gc24\data\111420\11140018.D\	ZZZZZZZ	ZZZZZZZ	11/14/2020	20:46:00	
J:\gc24\data\111420\11140019.D\	ZZZZZZZ	ZZZZZZZ	11/14/2020	21:09:00	
J:\gc24\data\111420\11140020.D\	ZZZZZZZ	ZZZZZZZ	11/14/2020	21:31:00	
J:\gc24\data\111420\11140021.D\	ZZZZZZZ	ZZZZZZZ	11/14/2020	21:54:00	
J:\gc24\data\111420\11140022.D\	ZZZZZZZ	ZZZZZZZ	11/14/2020	22:17:00	
J:\gc24\data\111420\11140023.D\	ZZZZZZZ	ZZZZZZZ	11/14/2020	22:40:00	
J:\gc24\data\111420\11140024.D\	ZZZZZZZ	ZZZZZZZ	11/14/2020	23:03:00	
J:\gc24\data\111420\11140025.D\	ZZZZZZZ	ZZZZZZZ	11/14/2020	23:26:00	
J:\gc24\data\111420\11140026.D\	ZZZZZZZ	ZZZZZZZ	11/14/2020	23:49:00	

Prep Summary Report

Client: Anchor QEA, LLC **Service Request:**K2010068
Project: GascoSiltronic: US Moorings
Sample Matrix: Sediment

Chlorinated Herbicides by GC

Prep Method: Method **Extraction Lot:** 369146
Analytical Method: 8151A **Extraction Date:** 11/04/20 12:59

Sample Name	Lab Code	Date Collected	Date Received	Sample Amount	Final Amount	Percent Solids
USMPDI-055SC-B-11.8-13.8-201028	K2010068-001	10/28/20	11/3/20	30.336 g	50 mL	82.3
USMPDI-055SC-B-13.8-15.8-201028	K2010068-002	10/28/20	11/3/20	30.315 g	50 mL	82.7
USMPDI-055SC-B-3.8-5.8-201028	K2010068-003	10/28/20	11/3/20	30.131 g	50 mL	80.4
USMPDI-055SC-B-5.8-7.8-201028	K2010068-004	10/28/20	11/3/20	30.278 g	50 mL	76.6
USMPDI-055SC-B-7.8-9.8-201028	K2010068-005	10/28/20	11/3/20	30.261 g	50 mL	81.1
USMPDI-055SC-B-9.8-11.8-201028	K2010068-006	10/28/20	11/3/20	30.040 g	50 mL	84.3
Matrix Spike	KQ2017246-01MS	10/28/20	11/3/20	30.218 g	50 mL	82.3
Duplicate Matrix Spike	KQ2017246-02DMS	10/28/20	11/3/20	30.088 g	50 mL	82.3
Lab Control Sample	KQ2017246-03LCS	NA	NA	30.00 g	50 mL	
Method Blank	KQ2017246-04MB	NA	NA	30.00 g	50 mL	

Raw Data

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

Total Solids

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

Analytical Results Summary

Instrument Name: K-Balance-41 **Analyst:** BNETLING **Analysis Lot:** 702215 **Method/Testcode:** SM 2540 G/TS

Lab Code	Target Analytes	QC	Parent Sample	Matrix	Raw Result	Sample Amt.	Final Result	Dil	MDL	PQL	% Rec	% RSD	Date Analyzed	QC?	Tier
K2010068-001	Solids, Total	N/A		Sediment	82.30 Percent	34.3469 g	82.3 Percent	1					11/4/20 13:30:00	N	IV
K2010068-002	Solids, Total	N/A		Sediment	82.70 Percent	25.0521 g	82.7 Percent	1					11/4/20 13:30:00	N	IV
K2010068-003	Solids, Total	N/A		Sediment	80.40 Percent	34.1963 g	80.4 Percent	1					11/4/20 13:30:00	N	IV
K2010068-004	Solids, Total	N/A		Sediment	76.60 Percent	28.5114 g	76.6 Percent	1					11/4/20 13:30:00	N	IV
K2010068-005	Solids, Total	N/A		Sediment	81.10 Percent	27.2369 g	81.1 Percent	1					11/4/20 13:30:00	N	IV
K2010068-006	Solids, Total	N/A		Sediment	84.30 Percent	25.6980 g	84.3 Percent	1					11/4/20 13:30:00	N	IV
KQ2017313-01	Solids, Total	DUP	K2010068-002	Sediment	82.80 Percent	27.3326 g	82.8 Percent	1				<1	11/4/20 13:30:00	N	IV
KQ2017313-02	Solids, Total	MB		Sediment	0.00 Percent	50.2961 g	0.0 Percent	1					11/4/20 13:30:00	N	IV

# indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

ALS Group USA, Corp.
dba ALS Environmental

Work Order #.: K2010068 Method: SM 2540 G

Run: 702215

Analysis: Total Solids / Volatile Solids Matrix: Soil/Solids

Sample Number		MB	10068-001	10068-002	10068-002DUP	10068-003	10068-004
Crucible Number		3U	SNOW	3	23	21	22
SampleWeight		50.2961	34.3469	25.0521	27.3326	34.1963	28.5114
Tare Weight	Date	57.2158	53.1098	50.2538	52.9439	53.8866	51.8719
Tare + Dry Wt. (1)	11/5/2020	57.2158	81.4083	70.9958	75.5894	81.3997	73.7323
Tare + Dry Wt. (2)	11/5/2020	57.2143	81.3871	70.9711	75.5661	81.3735	73.7058
Tare + Ash Wt. (1)							
Tare + Ash Wt. (2)							
Total Solids		0.0%	82.3%	82.7%	82.8%	80.4%	76.6%
Volatile Solids		-3814286.7%	287.8%	342.6%	334.0%	296.0%	337.6%

Sample Number		10068-005	10068-06				
Crucible Number		BEN	18				
Sample Weight		27.2369	25.6980				
Tare Weight	Date	45.7067	50.6219				
Tare + Dry Wt. (1)	11/5/2020	67.8193	72.3050				
Tare + Dry Wt. (2)	11/5/2020	67.7964	72.2856				
Tare + Ash Wt. (1)							
Tare + Ash Wt. (2)							
Total Solids		81.1%	84.3%	~~#DIV/0!~~	~~#DIV/0!~~	~~#DIV/0!~~	~~#DIV/0!~~
Volatile Solids		306.9%	333.7%	~~#DIV/0!~~	~~#DIV/0!~~	~~#DIV/0!~~	~~#DIV/0!~~

% Total Solids = (Tare + Dry Wt. - Tare / Sample Weight)

% Volatile Solids = (Dry Wt. - Ash Wt. / Dry Sample Weight)

Comments:

105 oven: K - OVEN 07

550 oven: K -Furnace-01 K-Balance- 41

Analyzed By:	BN	Date:	11/4/2020
Reviewed By:	JC	Date:	11/5/20

ALS Group USA, Corp.
dba ALS Environmental

Work Order #: K2010068 Method: SM 2540 G

Run: 702215

Analysis: Total Solids / Volatile Solids Matrix: Soil/Solids

Oven Temp and Times				
Oven Temp	Time In	Date In	Time Out	Date Out
105	17:00	11/4/2020	8:48	11/5/2020
105	10:00	11/5/2020	12:00	11/5/2020

Analyzed By:	BN	Date Analyzed:	11/4/2020
Reviewed By:		Date Reviewed:	11/5/20

ALS Group USA, Corp.
dba ALS Environmental

Work Order #.: K2010068 Method: SM 2540 G

Run: 702215

Analysis: Total Solids / Volatile Solids Matrix: Soil/Solids

CCV Verification SN:						
	200.0000g	≤(+/- 0.5%)		10.0000g	≤(+/- 0.5%)	Date
CCV1	199.9948	100.0%	CCV1	9.9981	100.0%	11/4/2020
CCV2	199.9956	100.0%	CCV2	9.9986	100.0%	11/4/2020
CCV3	199.9953	100.0%	CCV3	9.9987	100.0%	11/5/2020
CCV4	199.9954	100.0%	CCV4	9.9987	100.0%	11/5/2020
CCV5	199.9954	100.0%	CCV5	9.9988	100.0%	11/5/2020
CCV6	199.9956	100.0%	CCV6	9.9985	100.0%	11/5/2020
~~CCV7~~		~~0.0%~~	~~CCV7~~		~~0.0%~~	
~~CCV8~~		~~0.0%~~	~~CCV8~~		~~0.0%~~	
~~CCV9~~		~~0.0%~~	~~CCV9~~		~~0.0%~~	
~~CCV10~~		~~0.0%~~	~~CCV10~~		~~0.0%~~	
~~CCV11~~		~~0.0%~~	~~CCV11~~		~~0.0%~~	
~~CCV12~~		~~0.0%~~	~~CCV12~~		~~0.0%~~	
~~CCV13~~		~~0.0%~~	~~CCV13~~		~~0.0%~~	
~~CCV14~~		~~0.0%~~	~~CCV14~~		~~0.0%~~	
~~CCV15~~		~~0.0%~~	~~CCV15~~		~~0.0%~~	
~~CCV16~~		~~0.0%~~	~~CCV16~~		~~0.0%~~	
~~CCV17~~		~~0.0%~~	~~CCV17~~		~~0.0%~~	
~~CCV18~~		~~0.0%~~	~~CCV18~~		~~0.0%~~	
~~CCV19~~		~~0.0%~~	~~CCV19~~		~~0.0%~~	
~~CCV20~~		~~0.0%~~	~~CCV20~~		~~0.0%~~	

Analyzed By:	BN	Date Analyzed:	11/4/2020
Reviewed By:		Date Reviewed:	11/5/20

Chlorinated Herbicides by GC

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

Preparation Information Benchsheet

Prep Run#: 369146
Team: Semivoa GC/BGREER
Number of Copies to make: 2

Prep WorkFlow: OrgHerbS(14)
Prep Method: Method

Status: Prepped
Prep Date/Time: 11/4/20 12:59

#	Lab Code	Client ID	B#	Method /Test	pH	Matrix	Amt. Ext.	Final Vol	Sample Description
1	K2010068-001	USMPDI-055SC-B-11.8-13.8-201028	.01	8151A/HERB		Sediment	30.336g	50.00mL	JGRIMES K-Balance-49
2	K2010068-002	USMPDI-055SC-B-13.8-15.8-201028	.01	8151A/HERB		Sediment	30.315g	50.00mL	JGRIMES K-Balance-49
3	K2010068-003	USMPDI-055SC-B-3.8-5.8-201028	.01	8151A/HERB		Sediment	30.131g	50.00mL	JGRIMES K-Balance-49
4	K2010068-004	USMPDI-055SC-B-5.8-7.8-201028	.01	8151A/HERB		Sediment	30.278g	50.00mL	JGRIMES K-Balance-49
5	K2010068-005	USMPDI-055SC-B-7.8-9.8-201028	.01	8151A/HERB		Sediment	30.261g	50.00mL	JGRIMES K-Balance-49
6	K2010068-006	USMPDI-055SC-B-9.8-11.8-201028	.01	8151A/HERB		Sediment	30.040g	50.00mL	JGRIMES K-Balance-49
7	K2010214-001	EV20110005-01	.01	8151A/HERB		Soil	30.033g	50.00mL	LMORTENSEN K-BALANCE-48 / rocks
8	KQ2017246-01	K2010068-001 MS	.01	8151A/HERB		Solid	30.218g	50.00mL	JGRIMES K-Balance-49
9	KQ2017246-02	K2010068-001 DMS	.01	8151A/HERB		Solid	30.088g	50.00mL	JGRIMES K-Balance-49
10	KQ2017246-03	LCS		8151A/HERB		Solid	30.00g	50.00mL	
11	KQ2017246-04	MB		8151A/HERB		Solid	30.00g	50.00mL	

Preparation Steps

Step:	Weigh	Step:	Extraction	Step:	Derivitization	Step:	Final Volume
Started:	11/4/20 12:59	Started:	11/11/20 16:10	Started:	11/12/20 11:27	Started:	11/12/20 12:02
Finished:	11/11/20 16:34	Finished:	11/11/20 16:30	Finished:	11/12/20 12:02	Finished:	11/12/20 17:12
By:	BGREER	By:	BGREER	By:	WVANDERHOFF	By:	WVANDERHOFF
Comments		Comments		Comments		Comments	

Comments: _____

Reviewed By: _____ Date: 11-17-20

Chain of Custody

Relinquished By: _____ Date: 11-12-20

Received By: _____ Date: 11-12-20

Extracts Examined
Yes No

Preparation Information Benchsheet

Prep Run#: 369146
Team: Semivoa GC/BGREER
Number of Copies to make: 2

Prep WorkFlow: OrgHerbS(14)
Prep Method: Method

Status: Draft
Prep Date/Time: 11/4/20 12:59 PM

#	Lab Code	Client ID	B#	√	Method /Test	Matrix	Amt. Ext. g	pH	Int. Vol mL	Final Vol mL	Surr Amt µl	Spike Amt µl
1	**K2010068-001**		.01	✓	8151A / HERB	Sediment	*	N/A	10	50	1000	—
2	**K2010068-002**		.01	✓	8151A / HERB	Sediment	*		10	50		—
3	**K2010068-003**	USMPDI-055SC-B-3.8-5.8-201028	.01	✓	8151A / HERB	Sediment	*		10	50		—
4	**K2010068-004**	USMPDI-055SC-B-5.8-7.8-201028	.01	✓	8151A / HERB	Sediment	*		10	50		—
5	**K2010068-005**	USMPDI-055SC-B-7.8-9.8-201028	.01	✓	8151A / HERB	Sediment	*		10	50		—
6	**K2010068-006**		.01	✓	8151A / HERB	Sediment	*		10	50		—
7	**K2010214-001**	EV20110005-01	.01	✓	8151A / HERB	Soil	*		10	50		—
8	**KQ2017246-01**	K2010068-001 MS	.01	✓	8151A / HERB	Solid	*		10	50		1000
9	**KQ2017246-02**	K2010068-001 DMS	.01	✓	8151A / HERB	Solid	*		10	50		〃
10	**KQ2017246-03**	LCS	—	—	8151A / HERB	Solid	30.000		10	50		〃
11	**KQ2017246-04**	MB	—	—	8151A / HERB	Solid	30.336	〃	10	50	〃	—

Comments: * See pre-prep sheet

Surrogate ID: Pentad2-14G 5ppm Ace xp:4/16/21 1000µl

Spike ID: Pentad2-15G 5-500ppm Ace xp:5/2/21 1000µl

Witnessed By: [signature]

Analyst: BGreer

Assisted By:

Pre-Prep Information Benchsheet

Prep Run #: 369146 **Container Lot No:** 090720-1TW **Prep Due Date:** Nov-06-2020

#	Lab Code	Bottle	Test Name	Weight	Sample Comments	Test Comments
1	K2010068-001	.01	HERB : 8151A	30.336g		JGRIMES K-Balance-49
2	K2010068-001 MS KQ2017246-01	.01	HERB : 8151A	30.218g		JGRIMES K-Balance-49
3	K2010068-001 DMS KQ2017246-02	.01	HERB : 8151A	30.088g		JGRIMES K-Balance-49
4	K2010068-002	.01	HERB : 8151A	30.315g		JGRIMES K-Balance-49
5	K2010068-003	.01	HERB : 8151A	30.131g		JGRIMES K-Balance-49
6	K2010068-004	.01	HERB : 8151A	30.278g		JGRIMES K-Balance-49
7	K2010068-005	.01	HERB : 8151A	30.261g		JGRIMES K-Balance-49
8	K2010068-006	.01	HERB : 8151A	30.040g		JGRIMES K-Balance-49

Relinquished By: JG	Date/Time: 11-4-20 13:02	Received By: B Green	Date/Time: 11/9/20 1708

369146

Pre-Prep Information Benchsheet

Prep Run #: ~~369337~~

Container Lot No: 090720-1TW

Prep Due Date: Nov-06-2020

#	Lab Code	Bottle	Test Name	Weight	Sample Comments	Test Comments
1	K2010214-001	.01	HERB : 8151A	30.033g		LMORTENSEN K-BALANCE-48
2	~~K2010214-001 MS~~ KQ2017466-01	.01	HERB : 8151A	30.008g		LMORTENSEN K-BALANCE-48
3	~~K2010214-001 DMS~~ KQ2017466-02	.01	HERB : 8151A	30.008g		LMORTENSEN K-BALANCE-48

Δ Extra QC not needed 11/9/20 BG

Relinquished By:	Date/Time:	Received By:	Date/Time:
LM	11/6/20 1701	BGreer	11/9/20 1708

Additional Prep Information for EPA Method 8151A
Herbicides in Soil

Service Request # KQ2010068, 0214 **Work Group #** KQ2017246

Acidified Sulfate Lot # DZ03-87M Matrix Sand Lot # ~~012447~~ EE BG 012418

Ethyl Ether Lot # DY328-US Hydrochloric Acid Lot # 58242

Wrist Action Shaker Start (time/date/initial): 1445 11/10/20 BG

Wrist Action Shaker Stop (time/date/initial): 1515 11/10/20 BG

N-Evap (time/date/initial): 1400 11/11/20 BG N-Evap Thermometer ID: X-SVM-004

Temp as measured: 20 °C Correction factor: 0.0 °C Adjusted temp: 20.0 °C

Saponification Start (time/date/initial): 1500 11/11/20 BG 37% KOH Lot # DZ03-80H

Saponification Stop (time/date/initial): 1600 11/11/20 BG

Extraction Start (time/date/initial): 1610 11/11/20 BG Sulfuric Acid Lot # DZ03-97F

Extraction Stop (time/date/initial): 1630 11/11/20 BG

Derivatization Start (time/date/initial): 11:27 11.12.20 WS Diazomethane Lot # DZ03-43H

Derivatization Stop (time/date/initial): 12:02 11.12.20 WS

Pipette (5 mL) Lot # 3442067

Solvent Exchange to Iso-Octane (time/date/initial): 12:02 11.12.20 WS

Iso-Octane Lot # DY982-US N-Evap Thermometer ID: DWB-012

Temp as measured: 22 °C Correction factor: 0.0 °C Adjusted temp: 22 °C

Pipette (1 mL) Lot # 08719645

Vial: red Vial Storage: Huff/Puff A1-B1

Archive Storage: Tigger

Additional Comments:

Bench Sheet Review Check List	
☑	Hold times met (if no, reason: _____)
☑	Prep date, time, method, department, product code correct in stealth
☑	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. Training circled.
☑	Extract storage recorded
☑	Additional prep sheet completely filled out (NA or line out blanks)
☑	All clean-ups have been noted on additional prep sheet
☑	Signed service request with Form V, if applicable, has been attached

ALS Environmental
Extraction Analyst Notes

Service Request: _____ Prep Group: _____

Topic	Notes	Initials/Date
No Anomalies: ☐		
Sample Anomalies: ☐		
Organics Present (sticks, leafs, bugs): ☐		
Fuel Odors: ☐		
Sulfur Odors, Precipitate: ☐		
General Notes:		

Reviewed by: Jonathon Walter 12/19/18

EXT-NOTES r.0

1st 11/16/20
2nd UA 11/17/20

Validation Report

Data File: J:\gc24\data\111420\11140007.D\
Lab ID: K2010068-001
RunType: N/A
Matrix: Sediment

Date Acquired: 11/14/20 16:33:00
Batch ID: 703599
Analysis Method: 8151A/HERB

Validations

Validation Categories	Pass	Fail
Preparation Hold Time	X	
Analytical Hold Time	X	
ICAL Analyte Recovery	X	
Second Source ICAL Verification	X	
Continuing Calibration Recovery	X	
Continuing Calibration Recovery (Closing)		X
Lab Control Sample Recovery	X	
Method Blank	X	
Method Blank Surrogates	X	
Surrogates	X	
Std MRL Unsupported by ICAL	X	
Above Highest ICAL Level	X	
Analyte Coelutions	X	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
Continuing Calibration Recovery (Closing) - ZB-XLB-HT	2,4,5-TP	23		20	CCV+ND

Primary Review: _____

Secondary Review: _____

1st 11/16/20
2nd UA 11/17/20

Quantitation Report

Data File:	J:\gc24\data\111420\11140007.D\	**Instrument:**	K-GC-24
Acqu Date:	11/14/20 16:33:00	**Vial:**	7
Run Type:	N/A	**Dilution:**	1
Lab ID:	K2010068-001	**Raw Units:**	ppb

Bottle ID:	K2010068-001.01	**Tier:**	IV	**Matrix:**	Sediment
Prod Code:	HERB	**Collect Date:**	10/28/20	**Receive Date:**	11/3/20

Analysis Lot:	703599	**Prep Lot:**	369146	**Report Group:**	K2010068
Analysis	8151A	**Prep Method:**	Method		
		Prep Date:	11/4/20		

Title:	Chlorinated Herbicides by GC	**Calibration ID:**	KC2000566
		Report List ID:	11736

Surrogate Compounds

Parameter Name	RT 1	RT 2	Resp 1	Resp 2	Solution Conc 1	Solution Conc 2	% Rec 1	% Rec 2	% Rec	% Rec Criteria	Rpt?
DCAA	7.99 -0.01	7.81 -0.01	1317089	3405941	72.381	80.523	72	81	72	26 - 127	Y

Target Compounds

Final Conc.Units: ug/Kg

Parameter Name	RT 1	RT 2	Resp 1	Resp 2	Solution Conc 1	Solution Conc 2	Final Conc 1	Final Conc 2	Primary Conc	Rpt?
2,4,5-TP	10.26	10.12 -0.02	61728	78096	0.659	0.385[CCV]	1.3U	0.77U	2.9 U	Y
2,4-D	9.29 -0.03	9.03 -0.04	15649	91109	0.737	1.780	1.5U	3.6U	9.3 U	Y

Prep Amount:	30.336 g	**Dilution:**	1
Prep Final Amount:	50.00 mL	**Basis Factor:**	82.30

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

Printed: 11/17/20 15:41
\\alprews001\starlims$\LIMSReps\QuantValidation.rpt

Quantitation Report (QT Reviewed)

1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140007.D Vial: 5
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 4:33 pm Operator: UA
Sample : K2010068-001 Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 13:18:36 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
2) s	2,4-Dichl...	7.985	7.811	1317089	3405941	72.381m	80.523
	Target Compounds						
1) m	Dalapon	0.000	0.000	0	0	N.D. d	N.D. d
3) m	Dicamba	0.000	0.000	0	0	N.D. d	N.D. d
4) m	MCPP	0.000	0.000	0	0	N.D. d	N.D. d
5) m	MCPA	0.000	0.000	0	0	N.D. d	N.D. d
6) m	Dichloroprop	0.000	0.000	0	0	N.D. d	N.D. d
7) m	2,4-D	9.288	9.028	15649	91109	0.737m	1.780 #
8) m	2,4,5-TP ...	10.255	10.125	61728	78096	0.659m	0.385 #
9) m	2,4,5-T	0.000	0.000	0	0	N.D. d	N.D. d
10) m	2,4-DB	0.000	0.000	0	0	N.D. d	N.D. d
11) m	Dinoseb	0.000	0.000	0	0	N.D. d	N.D. d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

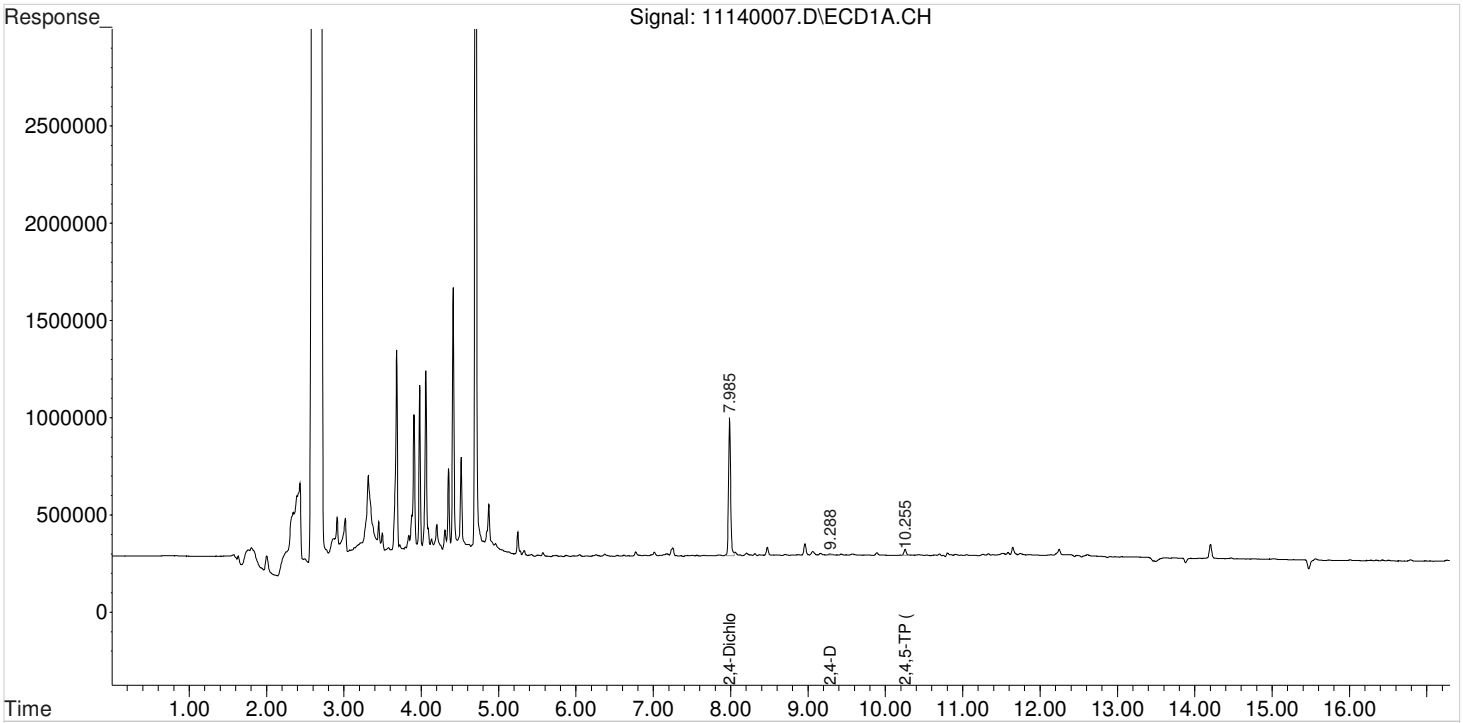
Quantitation Report (QT Reviewed)

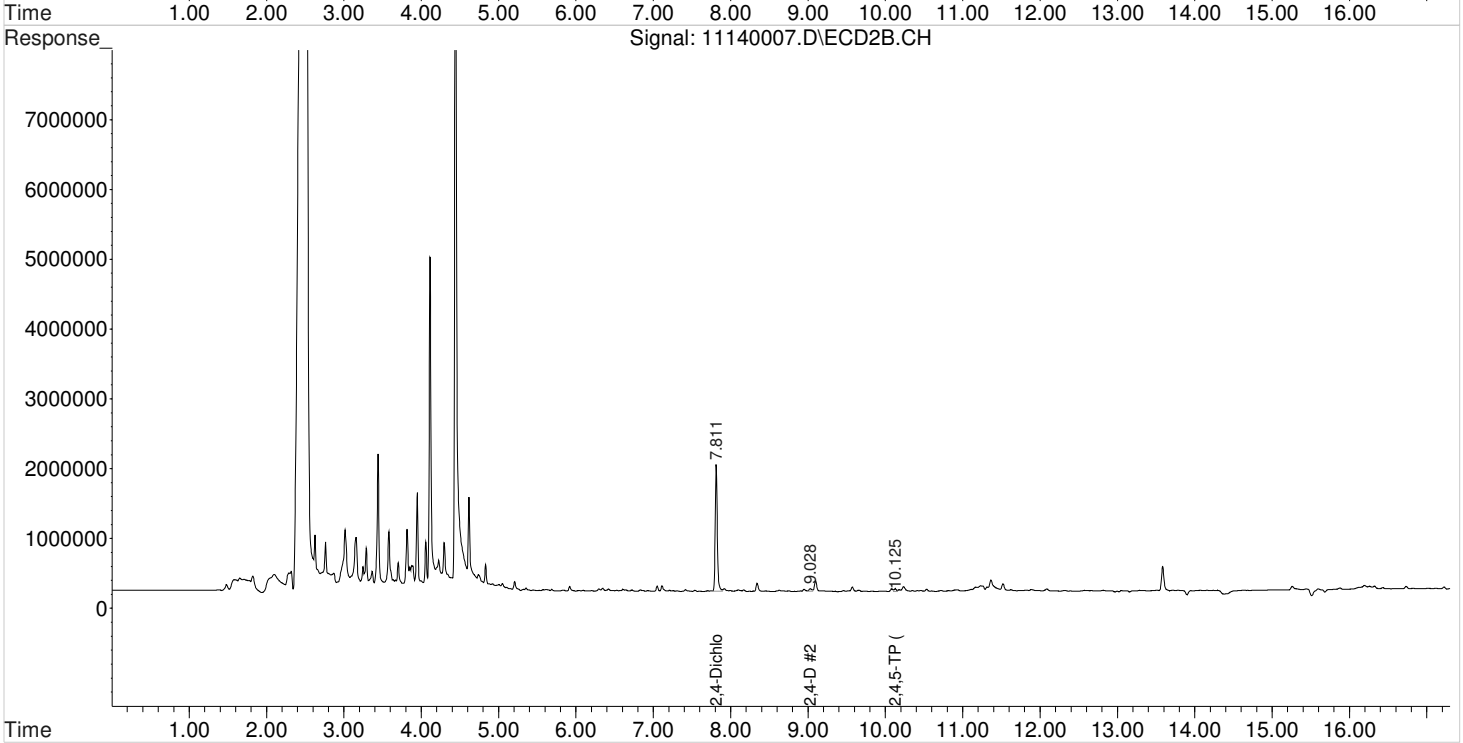
1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140007.D Vial: 5
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 4:33 pm Operator: UA
Sample : K2010068-001 Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 13:18:36 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm



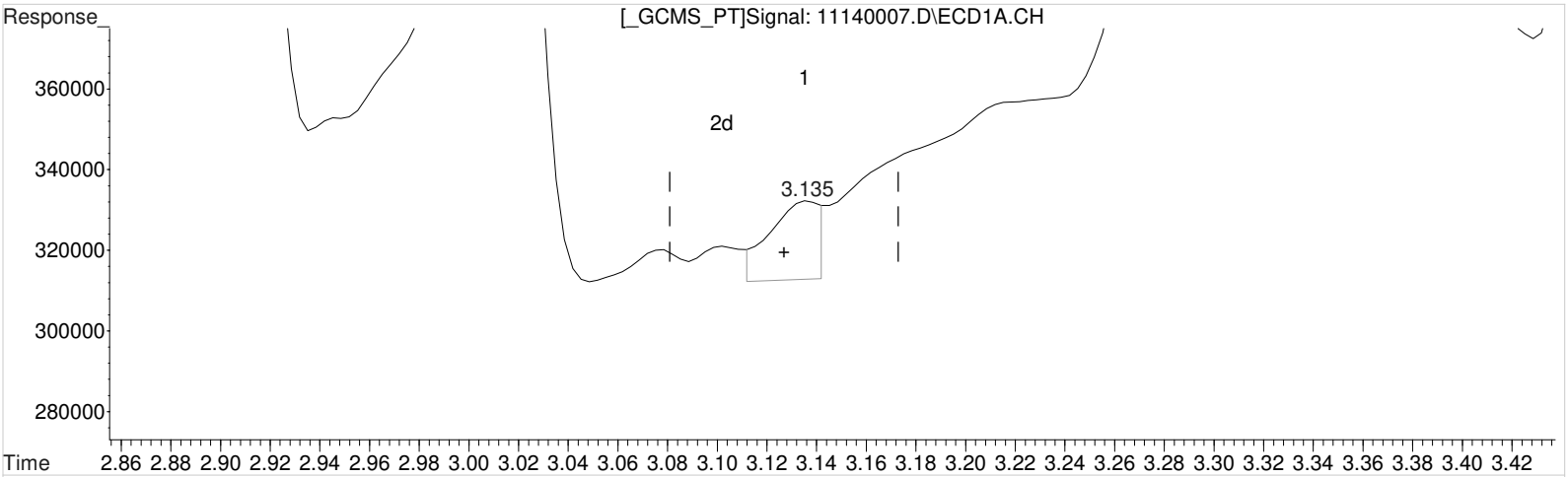


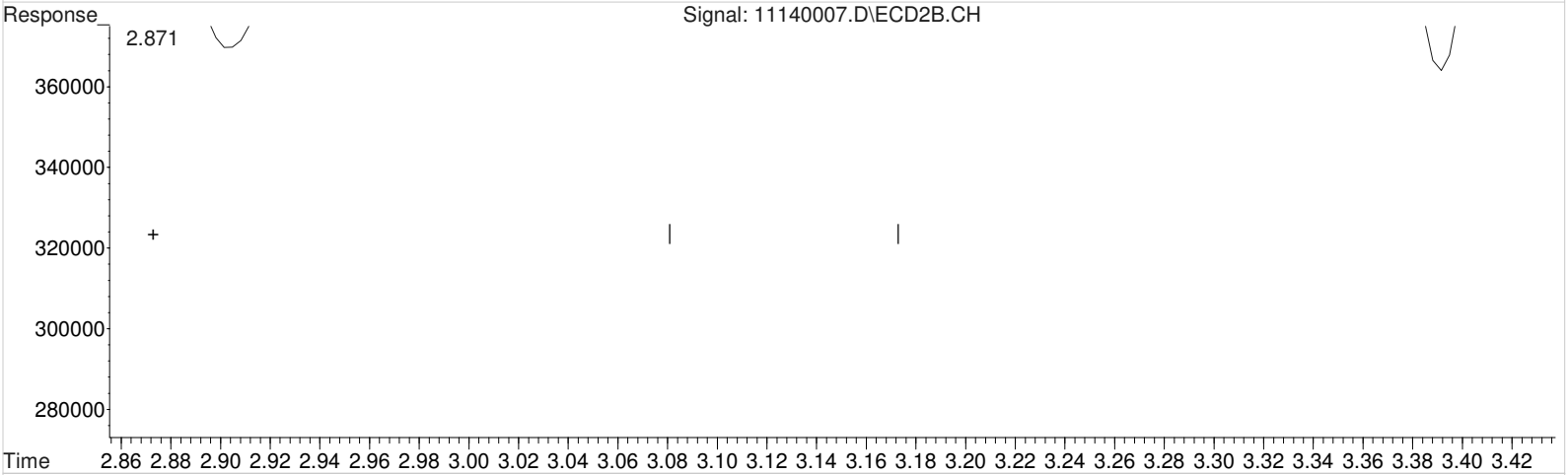
1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140007.D Vial: 5
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 4:33 pm Operator: UA
Sample : K2010068-001 Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 11:24:03 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(1) Dalapon (m)

3.135min 1.140 ppb

response 27665

(1) Dalapon #2 (m)

2.871min 7.729 ppb

response 373428

Manual Integration:

Before

11/16/20

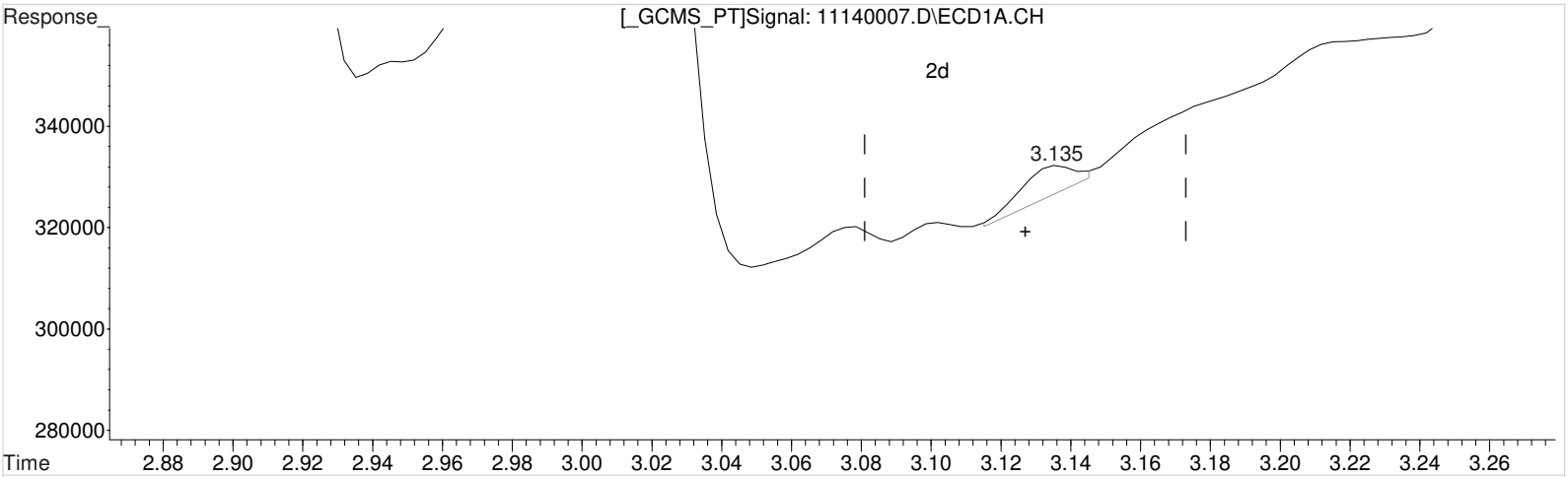
(+) = Expected Retention Time

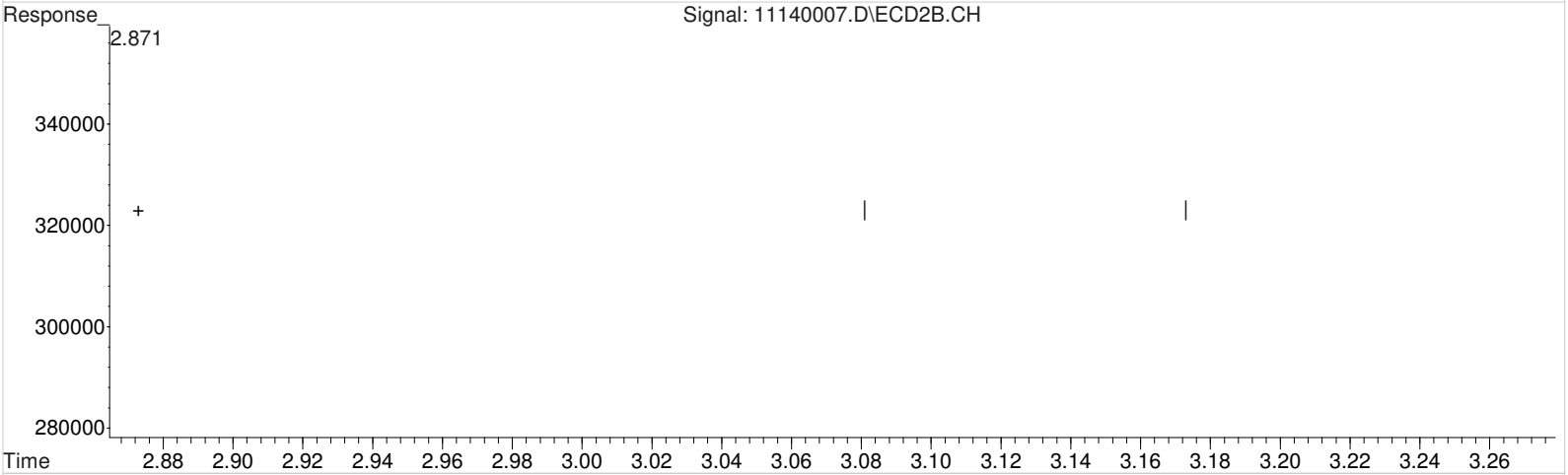
1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140007.D Vial: 5
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 4:33 pm Operator: UA
Sample : K2010068-001 Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 11:24:03 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(1) Dalapon (m)

3.135min 0.306 ppb m

response 7435

Manual Integration:

After

Baseline/Shoulder

11/16/20

(1) Dalapon #2 (m)

2.871min 7.729 ppb

response 373428

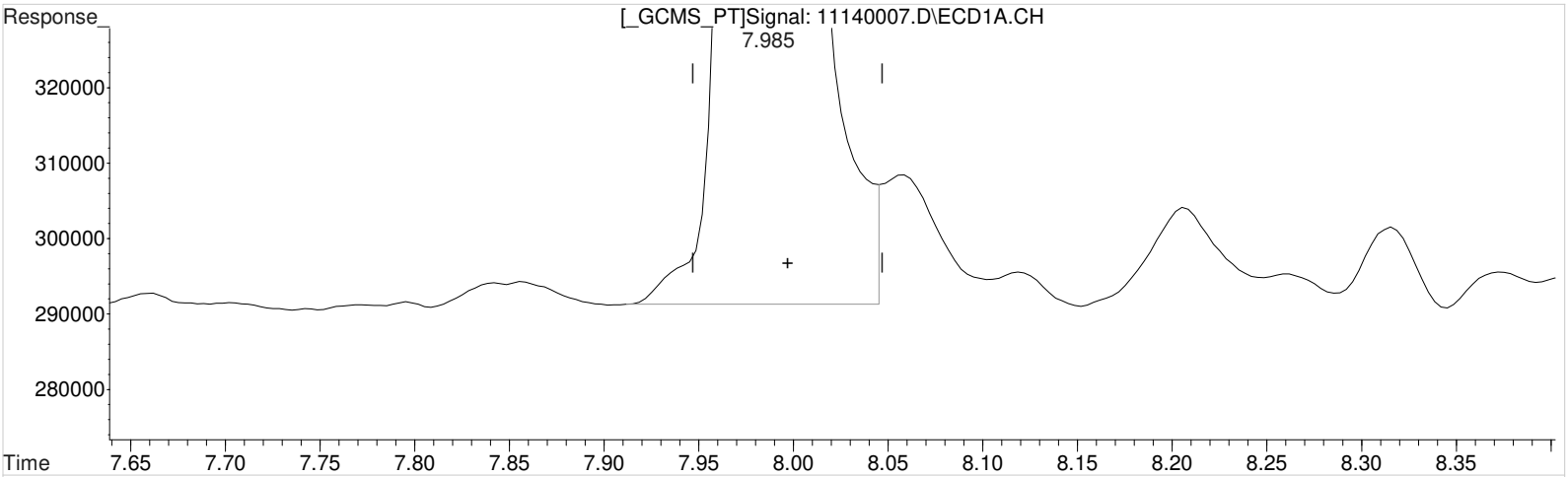
(+) = Expected Retention Time

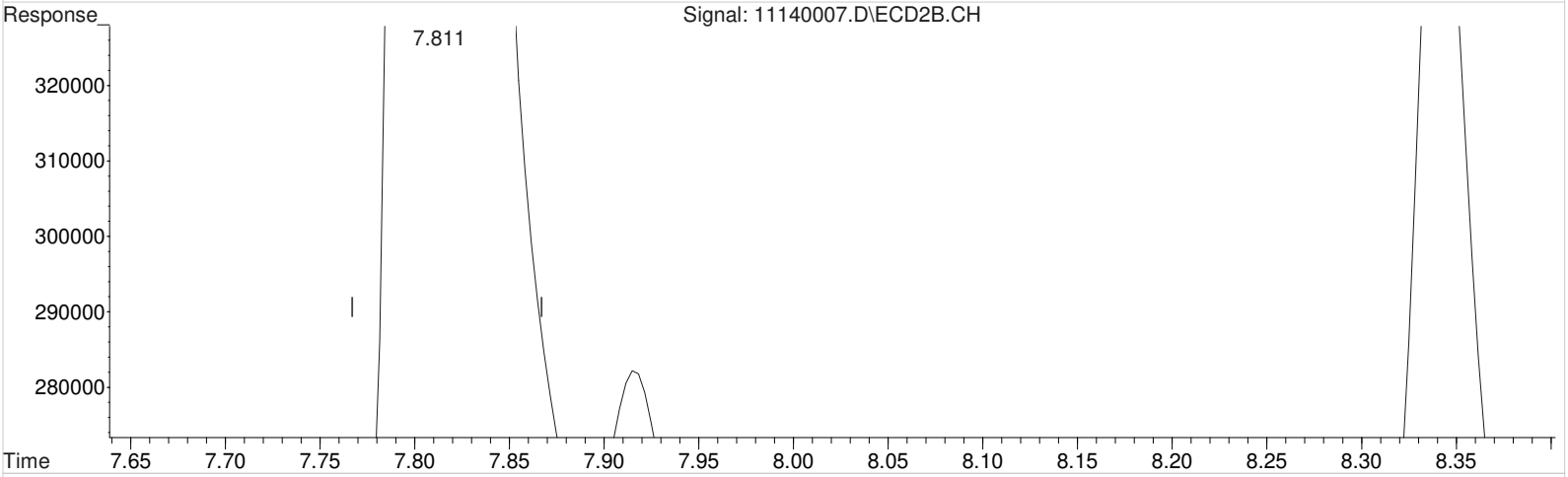
1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140007.D Vial: 5
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 4:33 pm Operator: UA
Sample : K2010068-001 Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 11:24:03 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(2) 2,4-Dichlorophenylacetic Acid (s)

7.985min 72.624 ppb

response 1321515

Manual Integration:

Before

11/16/20

(2) 2,4-Dichlorophenylacetic Acid #2 (s)

7.811min 80.523 ppb

response 3405941

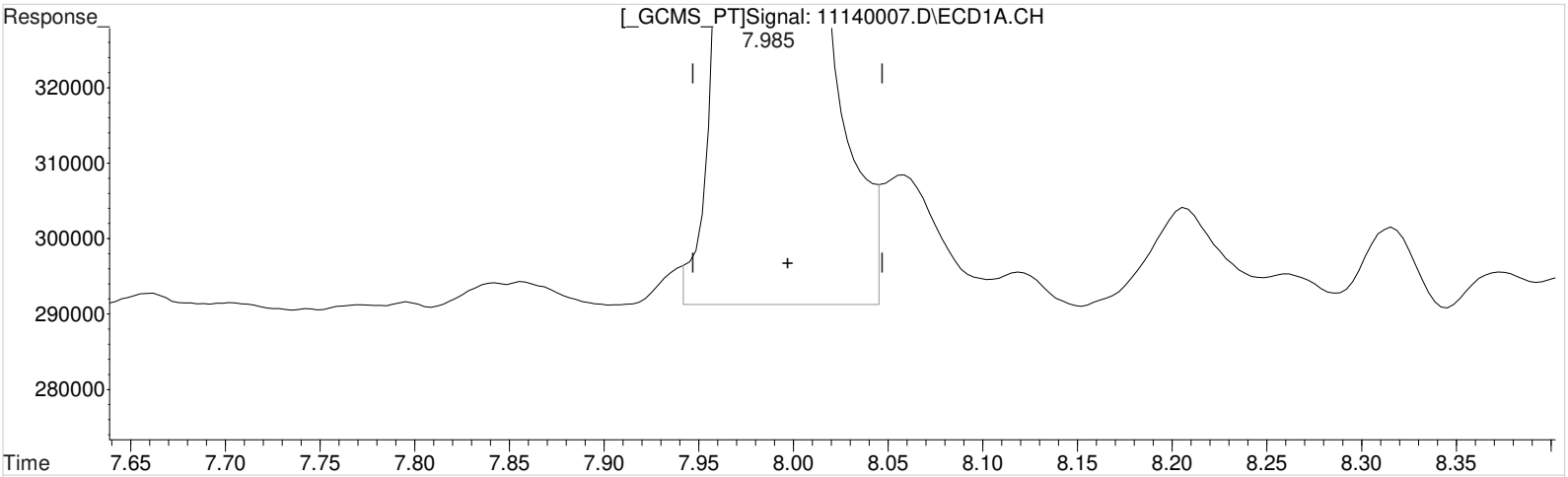
(+) = Expected Retention Time

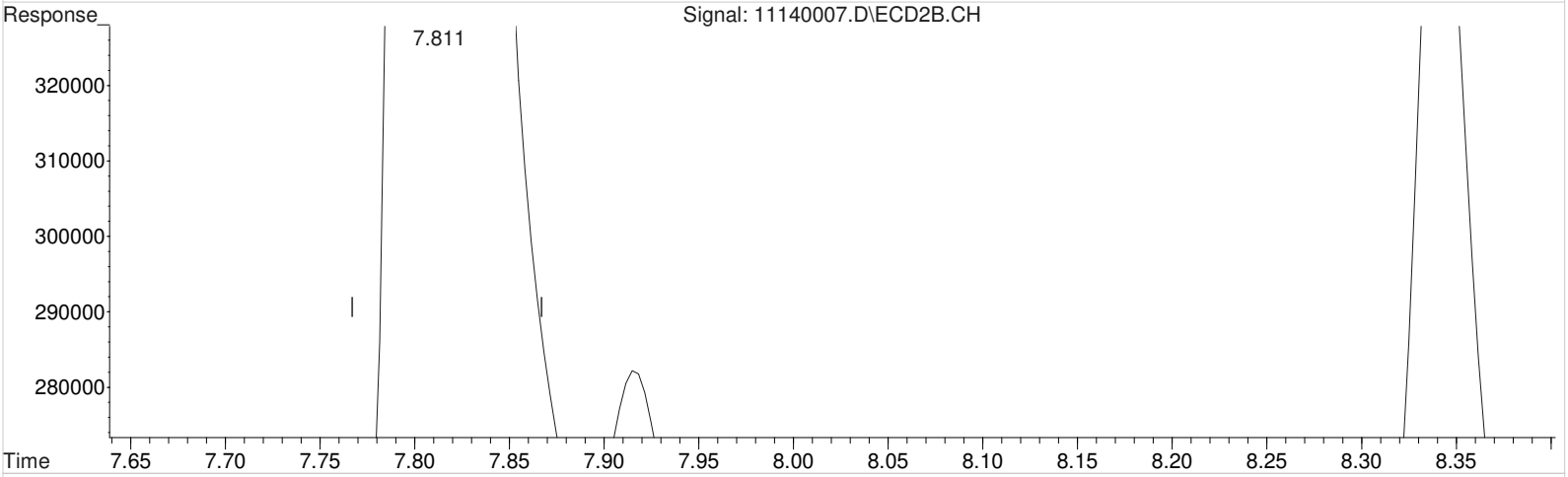
1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140007.D Vial: 5
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 4:33 pm Operator: UA
Sample : K2010068-001 Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 11:24:03 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(2) 2,4-Dichlorophenylacetic Acid (s)

7.985min 72.381 ppb m

response 1317089

Manual Integration:

After

Baseline/Shoulder

11/16/20

(2) 2,4-Dichlorophenylacetic Acid #2 (s)

7.811min 80.523 ppb

response 3405941

(+) = Expected Retention Time

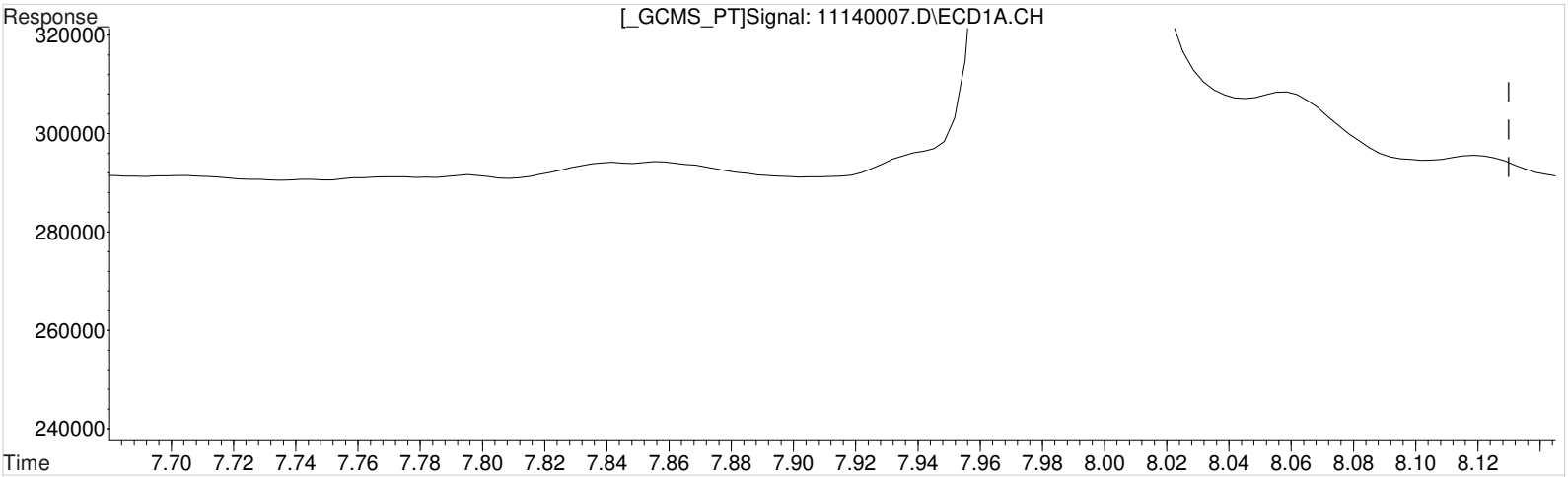
Quantitation Report (Qedit)

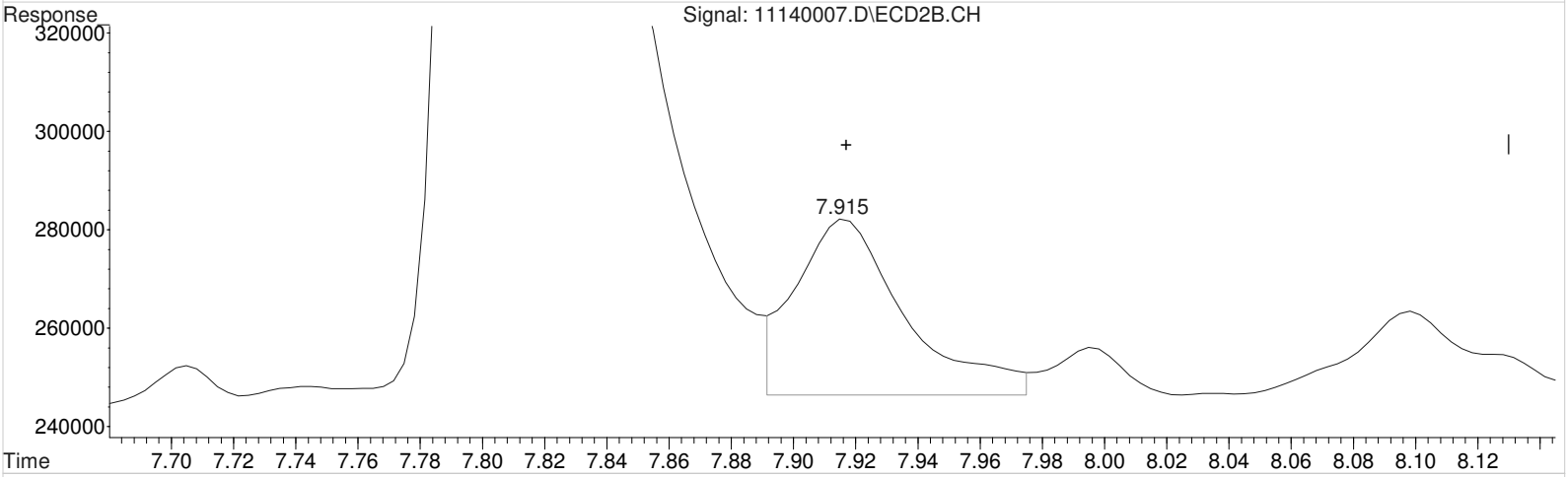
1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140007.D Vial: 5
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 4:33 pm Operator: UA
Sample : K2010068-001 Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 11:24:03 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(3) Dicamba (m)

8.205min 0.516 ppb

response 36002

(3) Dicamba #2 (m)

7.915min 0.585 ppb

response 86776

Manual Integration:

Before

11/16/20

(+) = Expected Retention Time

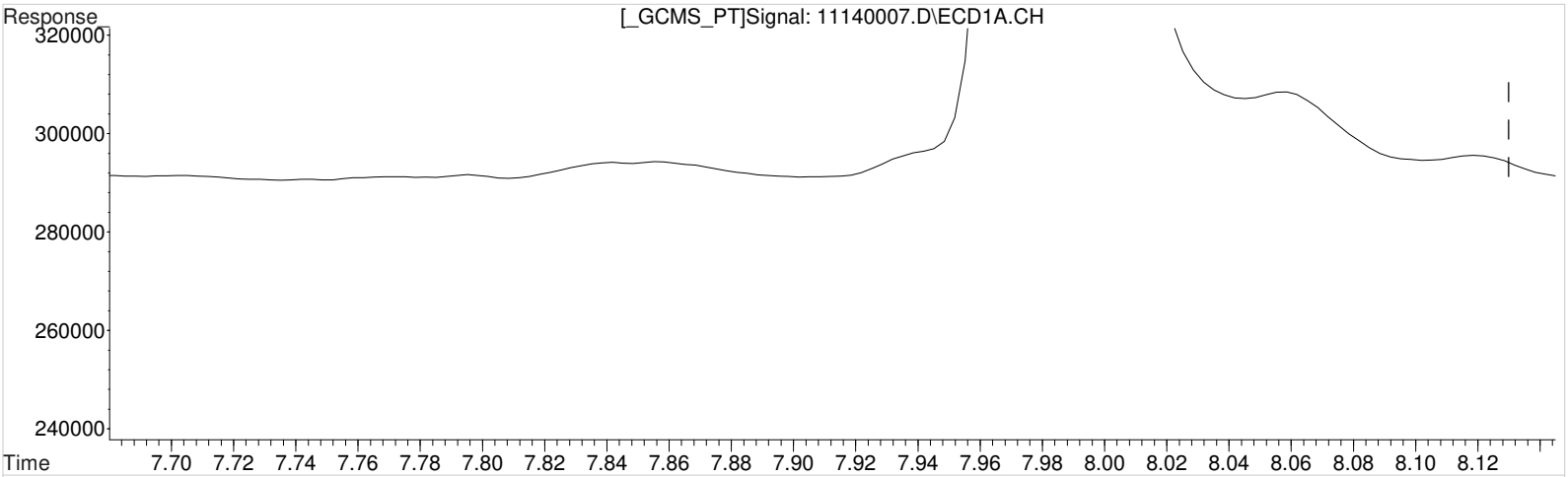
Quantitation Report (Qedit)

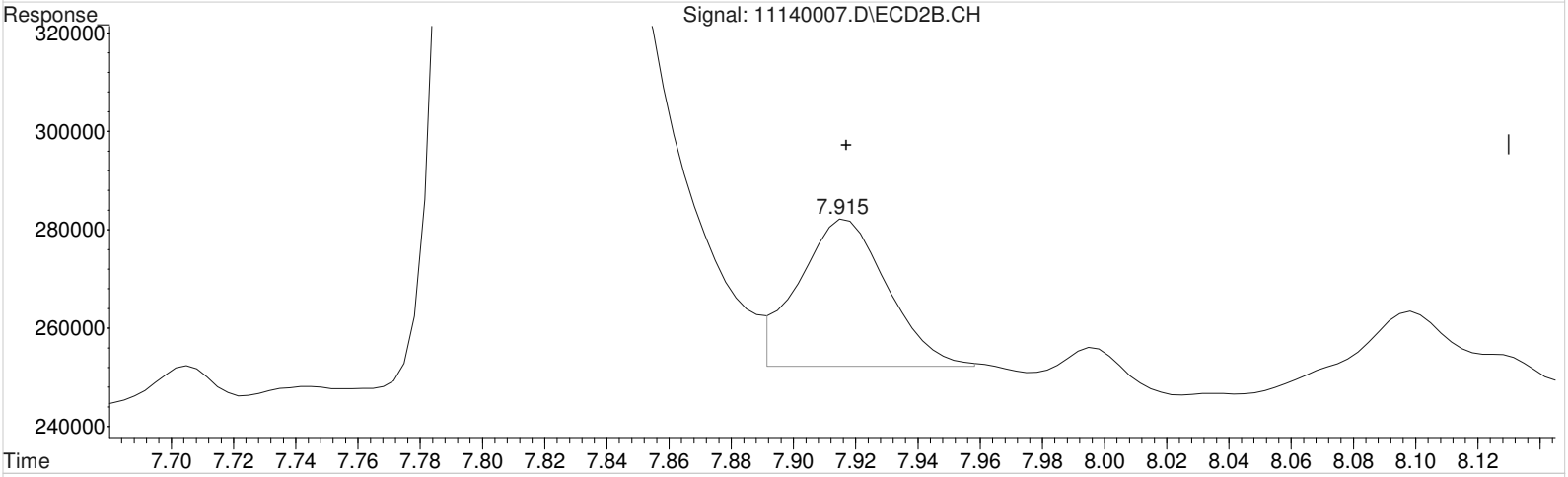
1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140007.D Vial: 5
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 4:33 pm Operator: UA
Sample : K2010068-001 Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 11:24:03 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(3) Dicamba (m)

8.205min 0.516 ppb

response 36002

(3) Dicamba #2 (m)

7.915min 0.392 ppb m

response 58129

Manual Integration:

After

Baseline/Shoulder

11/16/20

(+) = Expected Retention Time

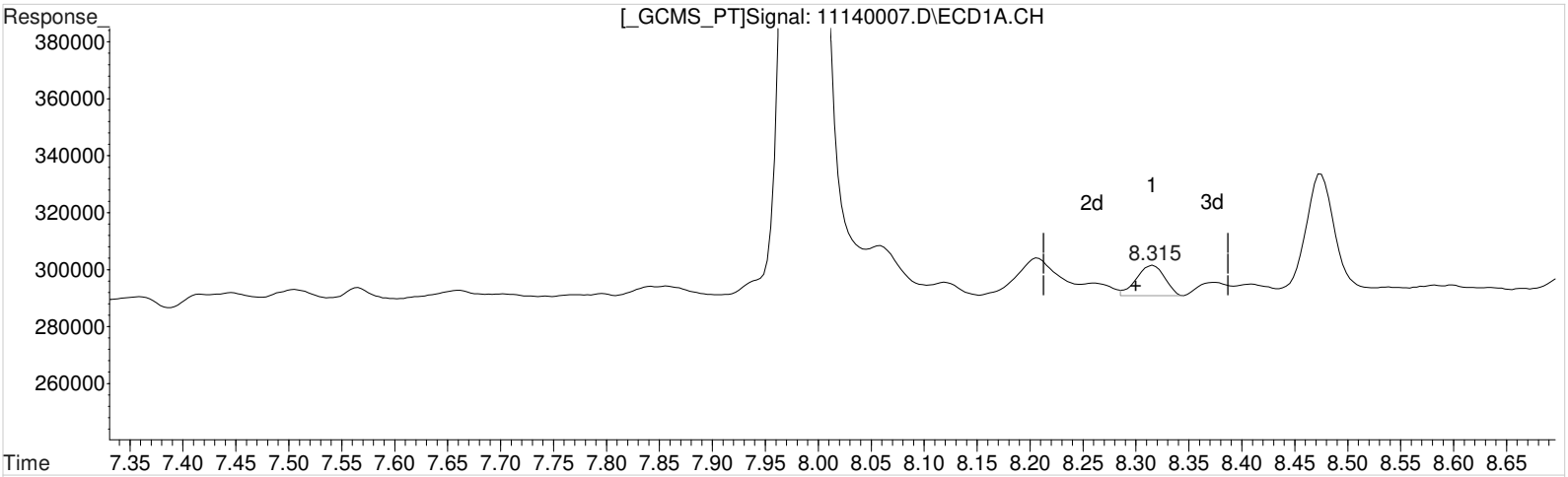
Quantitation Report (Qedit)

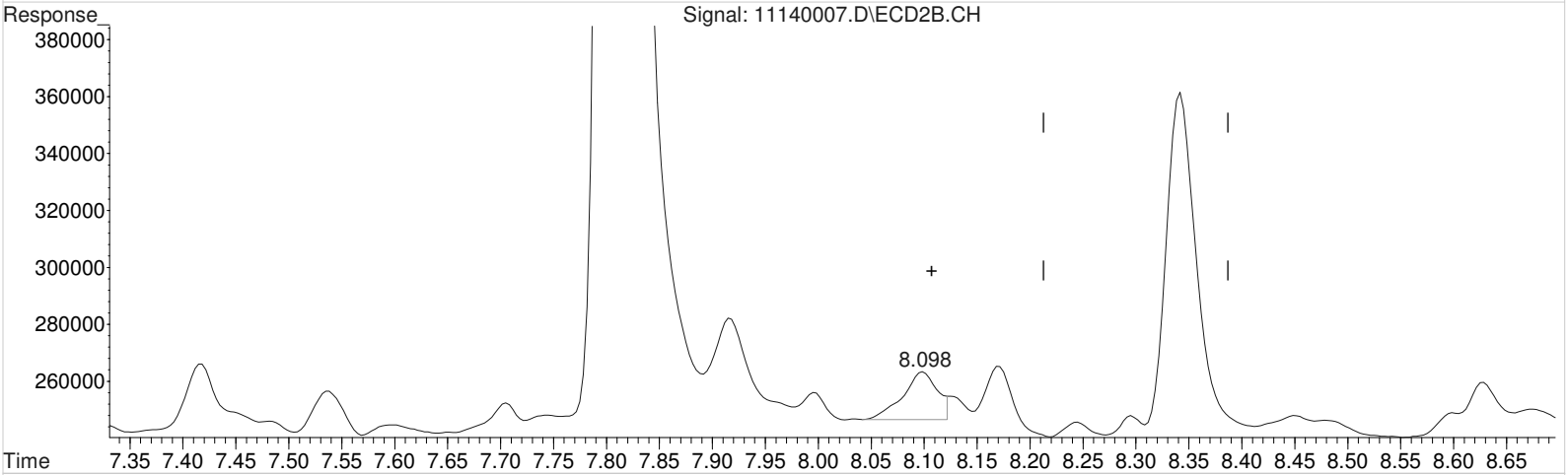
1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140007.D Vial: 5
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 4:33 pm Operator: UA
Sample : K2010068-001 Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 11:24:03 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(4) MCPP (m)

8.315min 932.618 ppb

response 19696

(4) MCPP #2 (m)

8.098min -1150.396 ppb

response 38828

Manual Integration:

Before

11/16/20

(+) = Expected Retention Time

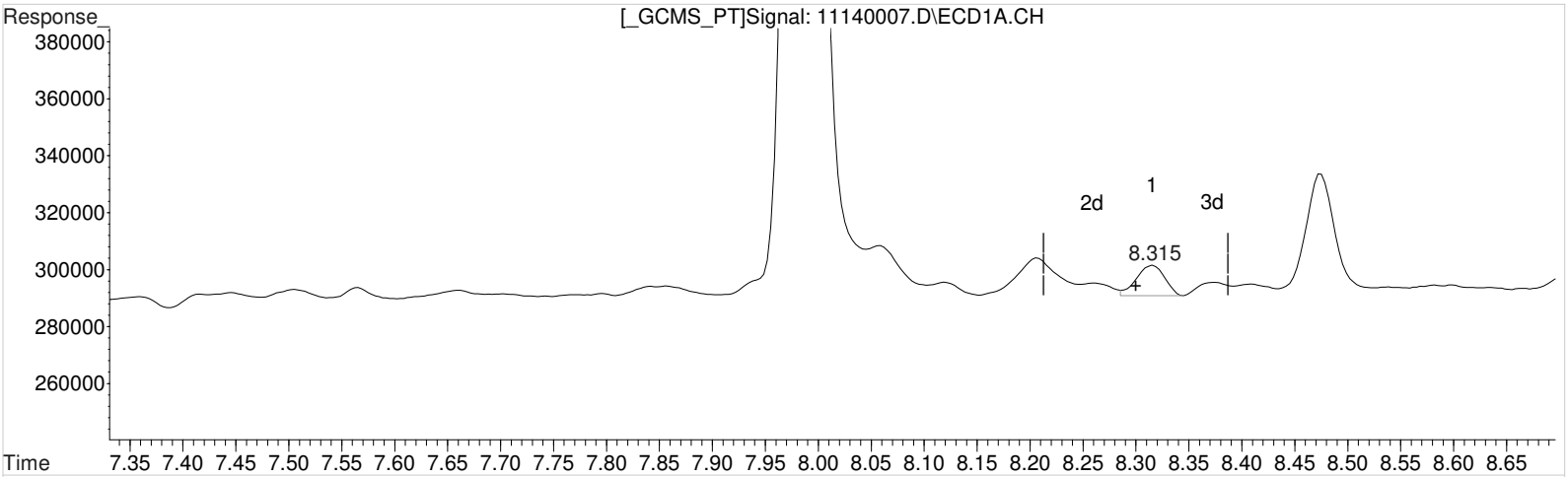
Quantitation Report (Qedit)

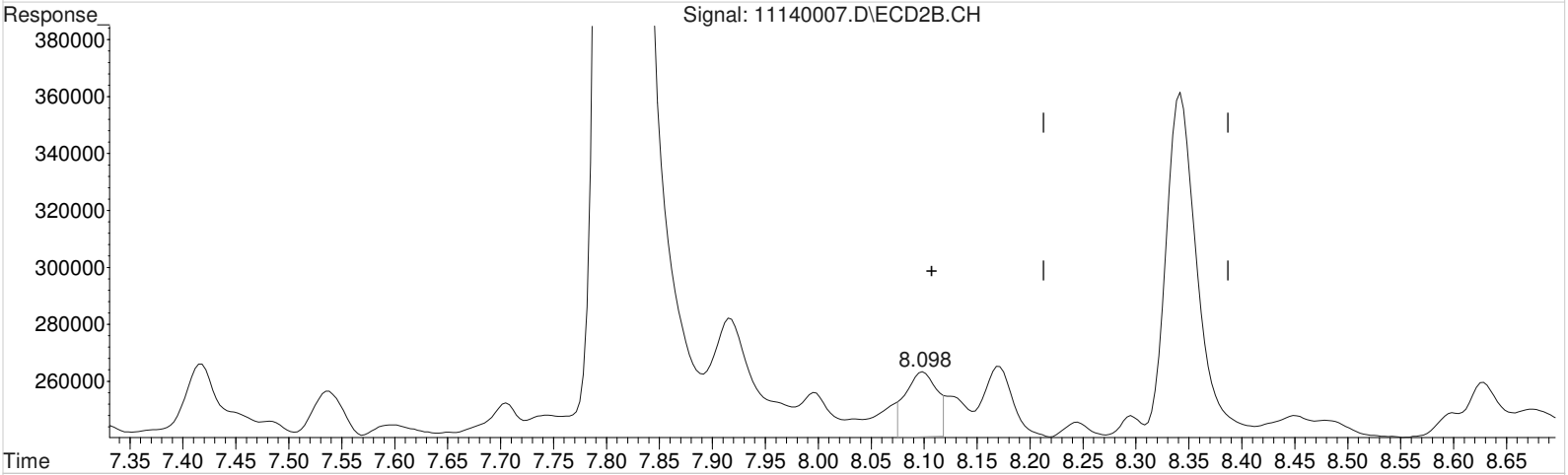
1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140007.D Vial: 5
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 4:33 pm Operator: UA
Sample : K2010068-001 Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 11:24:03 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(4) MCPP (m)

8.315min 932.618 ppb

response 19696

Manual Integration:

After

Baseline/Shoulder

11/16/20

(4) MCPP #2 (m)

8.098min -1090.413 ppb m

response 47507

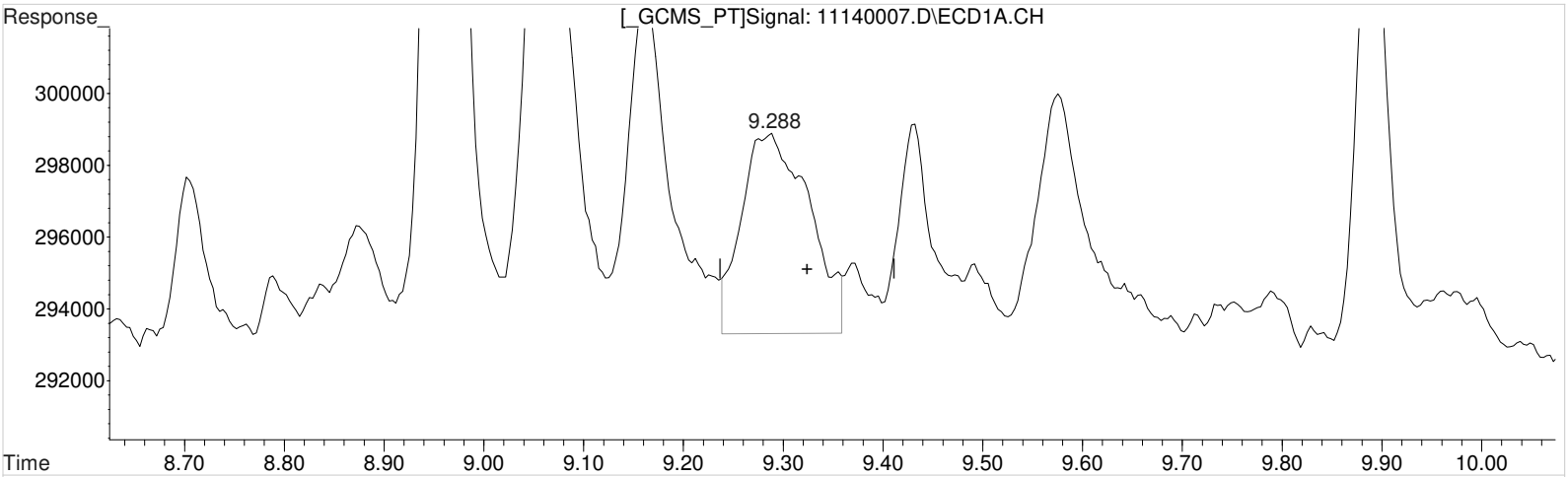
(+) = Expected Retention Time

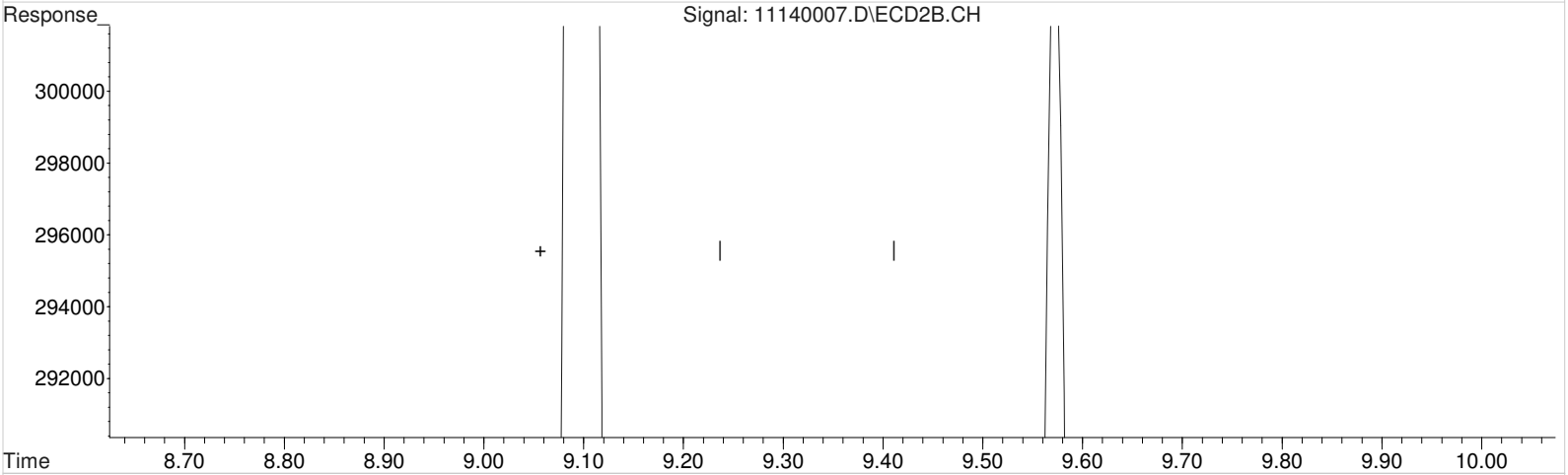
1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140007.D Vial: 5
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 4:33 pm Operator: UA
Sample : K2010068-001 Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 11:24:03 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(7) 2,4-D (m)

9.288min 1.241 ppb

response 26355

Manual Integration:

Before

11/16/20

(7) 2,4-D #2 (m)

9.028min 1.780 ppb

response 91109

(+) = Expected Retention Time

Quantitation Report (Qedit)

1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140007.D Vial: 5
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 4:33 pm Operator: UA
Sample : K2010068-001 Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 11:24:03 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
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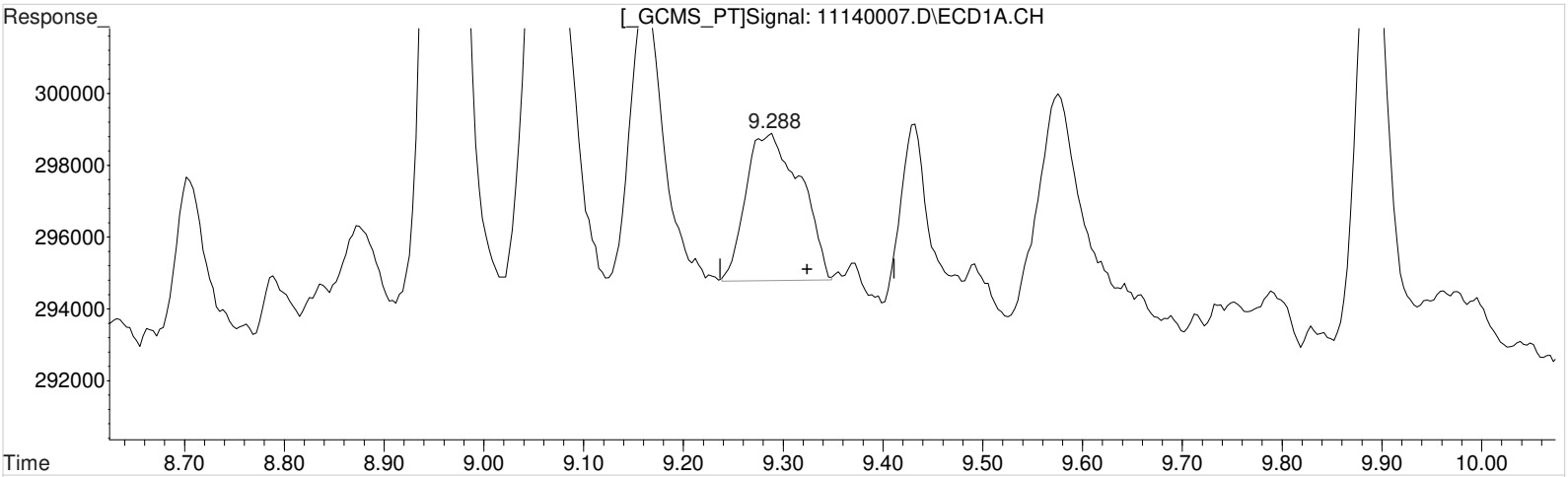
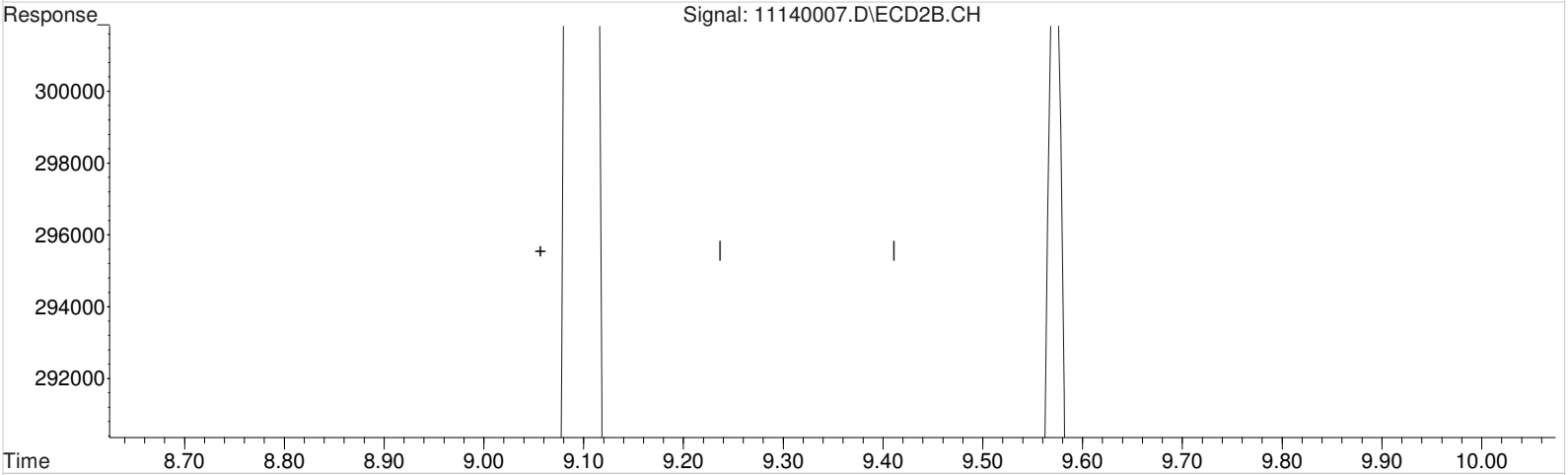
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(7) 2,4-D (m)

9.288min 0.737 ppb m

response 15649

Manual Integration:

After

Baseline/Shoulder

11/16/20

(7) 2,4-D #2 (m)

9.028min 1.780 ppb

response 91109

(+) = Expected Retention Time

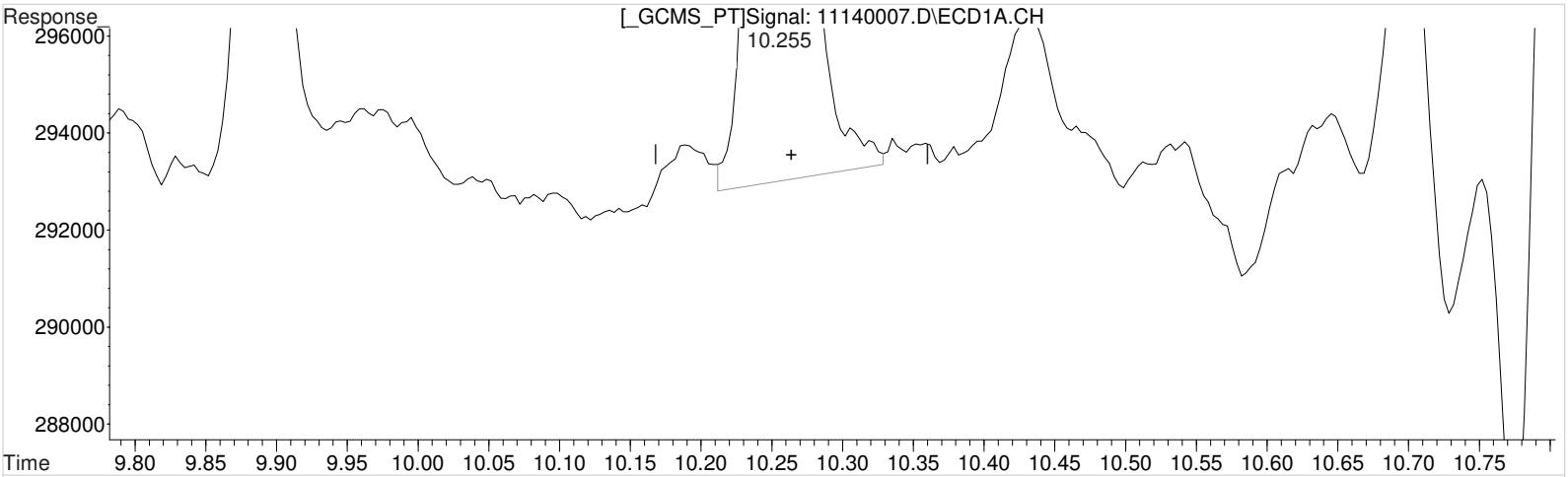
Quantitation Report (Qedit)

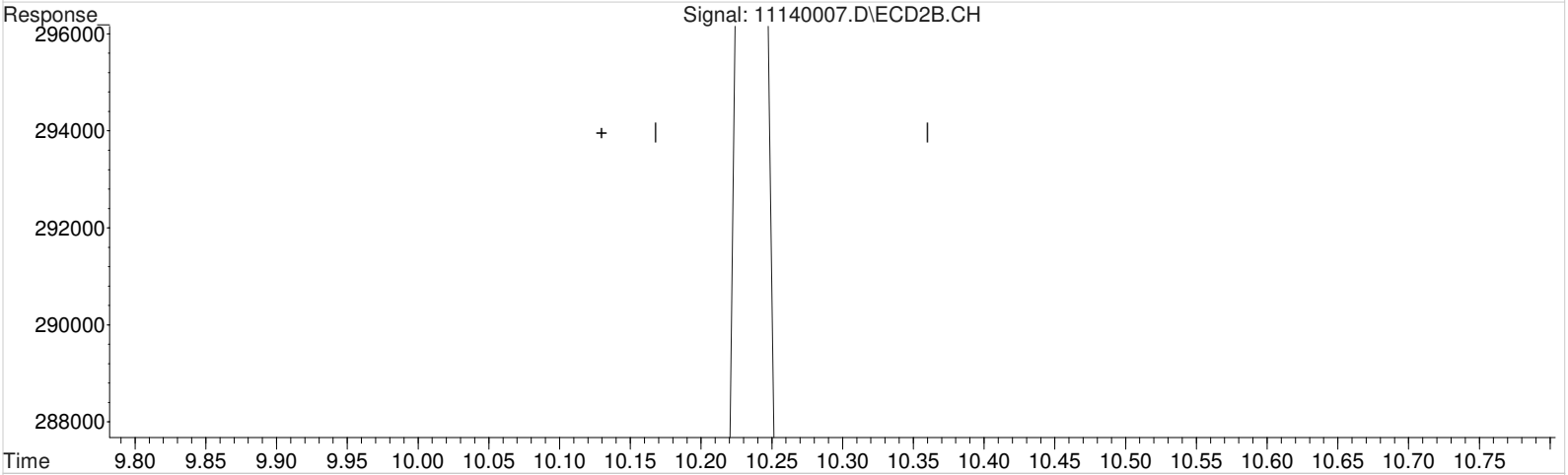
1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140007.D Vial: 5
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 4:33 pm Operator: UA
Sample : K2010068-001 Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 11:24:03 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(8) 2,4,5-TP (Silvex) (m)

10.255min 0.681 ppb

response 63830

Manual Integration:

Before

11/16/20

(8) 2,4,5-TP (Silvex) #2 (m)

10.125min 0.385 ppb

response 78096

(+) = Expected Retention Time

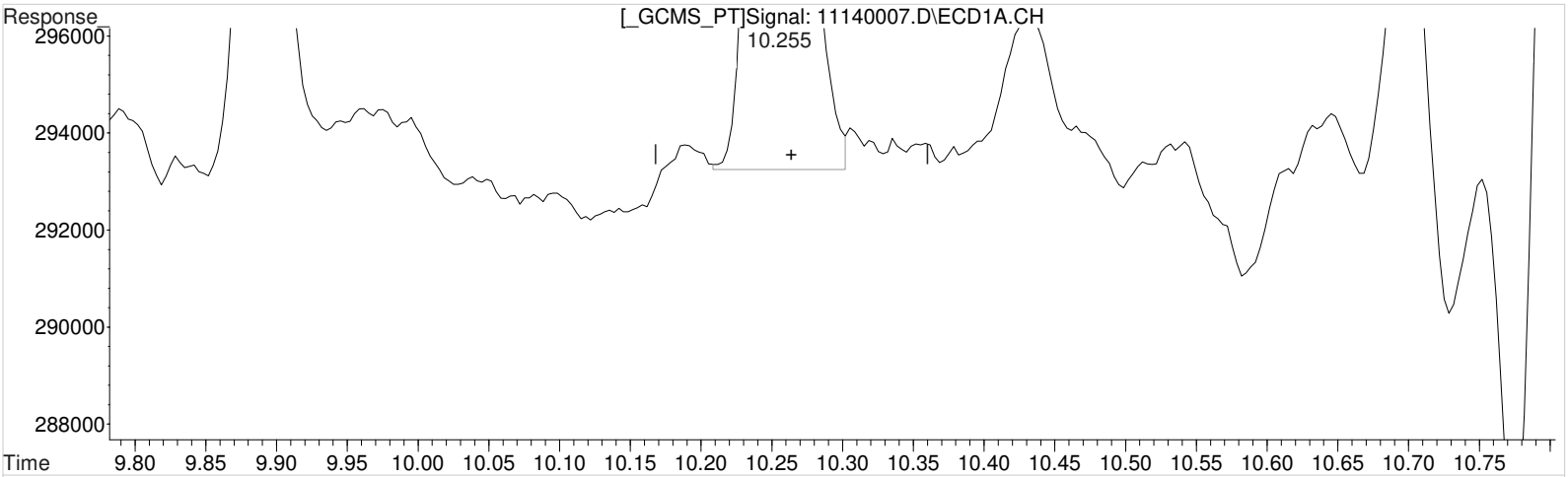
Quantitation Report (Qedit)

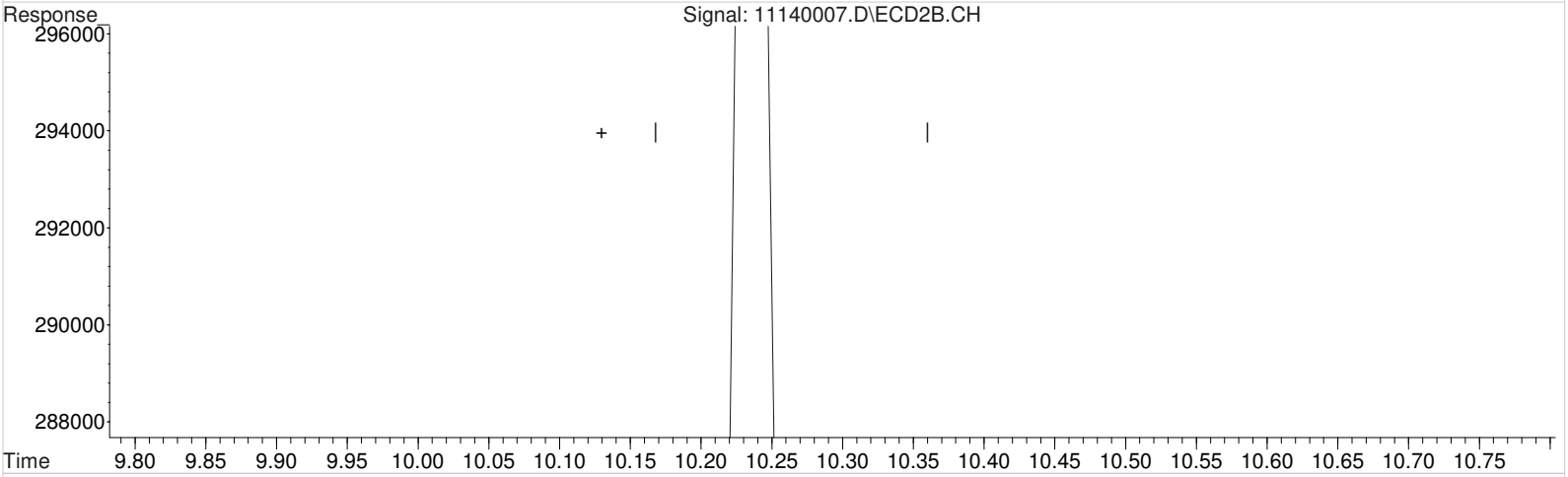
1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140007.D Vial: 5
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 4:33 pm Operator: UA
Sample : K2010068-001 Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 11:24:03 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(8) 2,4,5-TP (Silvex) (m)

10.255min 0.659 ppb m

response 61728

Manual Integration:

After

Baseline/Shoulder

11/16/20

(8) 2,4,5-TP (Silvex) #2 (m)

10.125min 0.385 ppb

response 78096

(+) = Expected Retention Time

1st 11/16/20
2nd UA 11/17/20

Validation Report

Data File: J:\gc24\data\111420\11140008.D\
Lab ID: K2010068-002
RunType: N/A
Matrix: Sediment

Date Acquired: 11/14/20 16:56:00
Batch ID: 703599
Analysis Method: 8151A/HERB

Validations

Validation Categories	Pass	Fail
Preparation Hold Time	X	
Analytical Hold Time	X	
ICAL Analyte Recovery	X	
Second Source ICAL Verification	X	
Continuing Calibration Recovery	X	
Continuing Calibration Recovery (Closing)		X
Lab Control Sample Recovery	X	
Method Blank	X	
Method Blank Surrogates	X	
Surrogates	X	
Std MRL Unsupported by ICAL	X	
Above Highest ICAL Level	X	
Analyte Coelutions	X	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
Continuing Calibration Recovery (Closing) - ZB-XLB-HT	2,4,5-TP	23		20	CCV+ND

Primary Review: _____

Secondary Review: _____

1st 11/16/20
2nd UA 11/17/20

Quantitation Report

Data File:	J:\gc24\data\111420\11140008.D\	**Instrument:**	K-GC-24
Acqu Date:	11/14/20 16:56:00	**Vial:**	8
Run Type:	N/A	**Dilution:**	1
Lab ID:	K2010068-002	**Raw Units:**	ppb

Bottle ID:	K2010068-002.01	**Tier:**	IV	**Matrix:**	Sediment
Prod Code:	HERB	**Collect Date:**	10/28/20	**Receive Date:**	11/3/20

Analysis Lot:	703599	**Prep Lot:**	369146	**Report Group:**	K2010068
Analysis	8151A	**Prep Method:**	Method		
		Prep Date:	11/4/20		

Title:	Chlorinated Herbicides by GC	**Calibration ID:**	KC2000566
		Report List ID:	11736

Surrogate Compounds

Parameter Name	RT 1	RT 2	Resp 1	Resp 2	Solution Conc 1	Solution Conc 2	% Rec 1	% Rec 2	% Rec	% Rec Criteria	Rpt?
DCAA	7.98 -0.02	7.81 -0.01	1192278	3045627	65.522	72.004	66	72	66	26 - 127	Y

Target Compounds

Final Conc.Units: ug/Kg

Parameter Name	RT 1	RT 2	Resp 1	Resp 2	Solution Conc 1	Solution Conc 2	Final Conc 1	Final Conc 2	Primary Conc	Rpt?
2,4,5-TP	10.26	10.08 -0.06	37180	53542	0.397	0.264 CCV	0.79U	0.53U	2.9 U	Y
2,4-D	9.28 -0.04	9.03 -0.04	13740	94961	0.647	1.855	1.3U	3.7U	9.3 U	Y

Prep Amount:	30.315 g	**Dilution:**	1
Prep Final Amount:	50.00 mL	**Basis Factor:**	82.70

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

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Quantitation Report (QT Reviewed)

1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140008.D Vial: 6
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 4:56 pm Operator: UA
Sample : K2010068-002 Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 13:31:45 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
2) s	2,4-Dichl...	7.985	7.814	1192278	3045627	65.522m	72.004
	Target Compounds						
1) m	Dalapon	0.000	0.000	0	0	N.D. d	N.D. d
3) m	Dicamba	0.000	0.000	0	0	N.D. d	N.D. d
4) m	MCPP	0.000	0.000	0	0	N.D. d	N.D. d
5) m	MCPA	0.000	0.000	0	0	N.D. d	N.D. d
6) m	Dichloroprop	0.000	0.000	0	0	N.D. d	N.D. d
7) m	2,4-D	9.278	9.031	13740	94961	0.647	1.855 #
8) m	2,4,5-TP ...	10.258	10.084	37180	53542	0.397	0.264m#
9) m	2,4,5-T	0.000	0.000	0	0	N.D. d	N.D. d
10) m	2,4-DB	0.000	0.000	0	0	N.D. d	N.D. d
11) m	Dinoseb	0.000	0.000	0	0	N.D. d	N.D. d

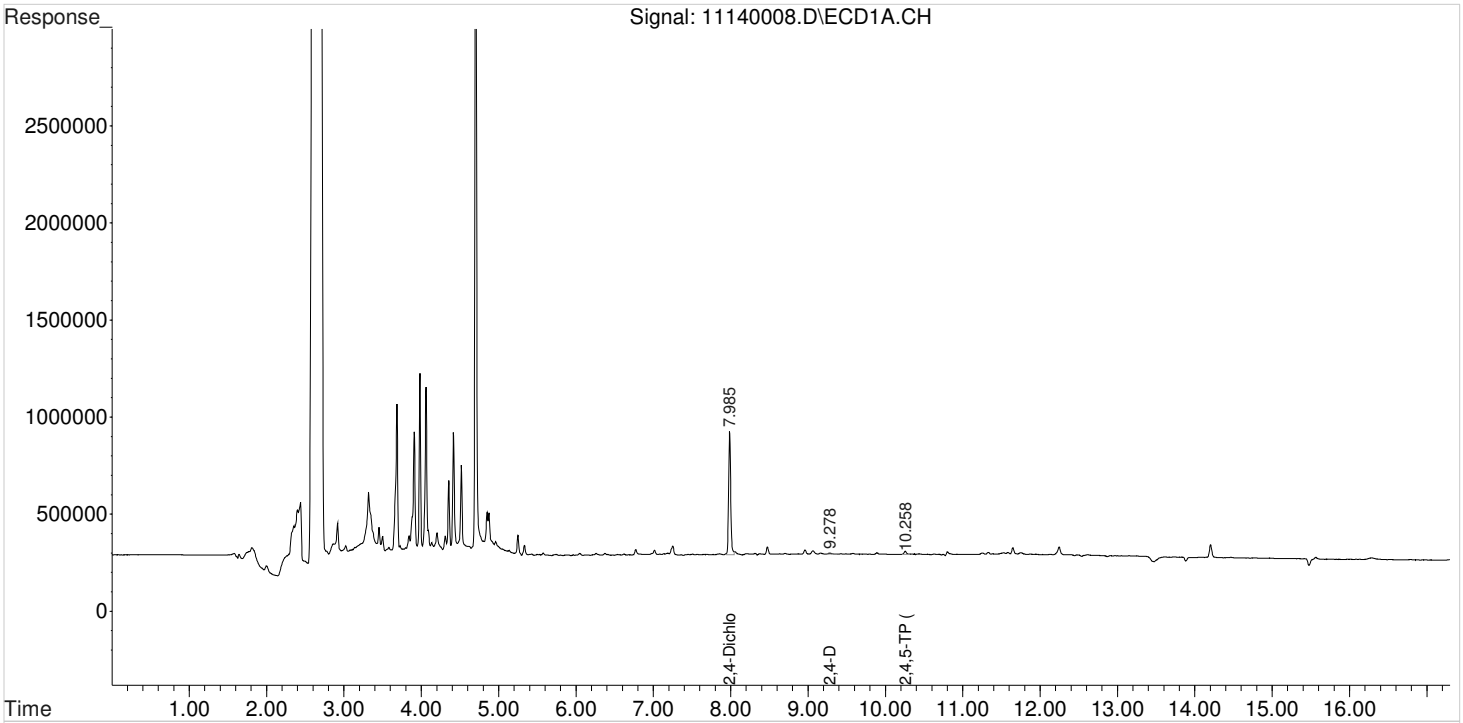
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

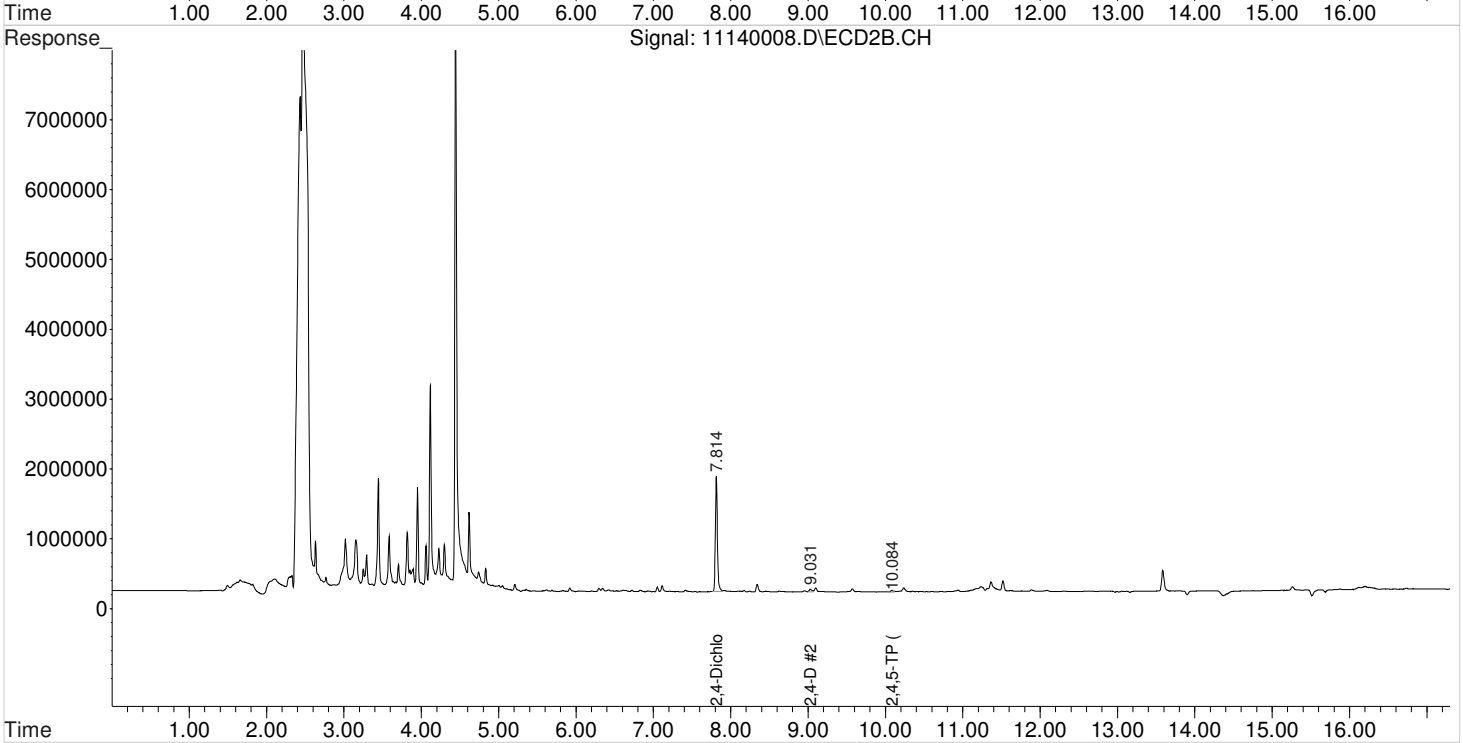
1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140008.D Vial: 6
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 4:56 pm Operator: UA
Sample : K2010068-002 Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 13:31:45 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





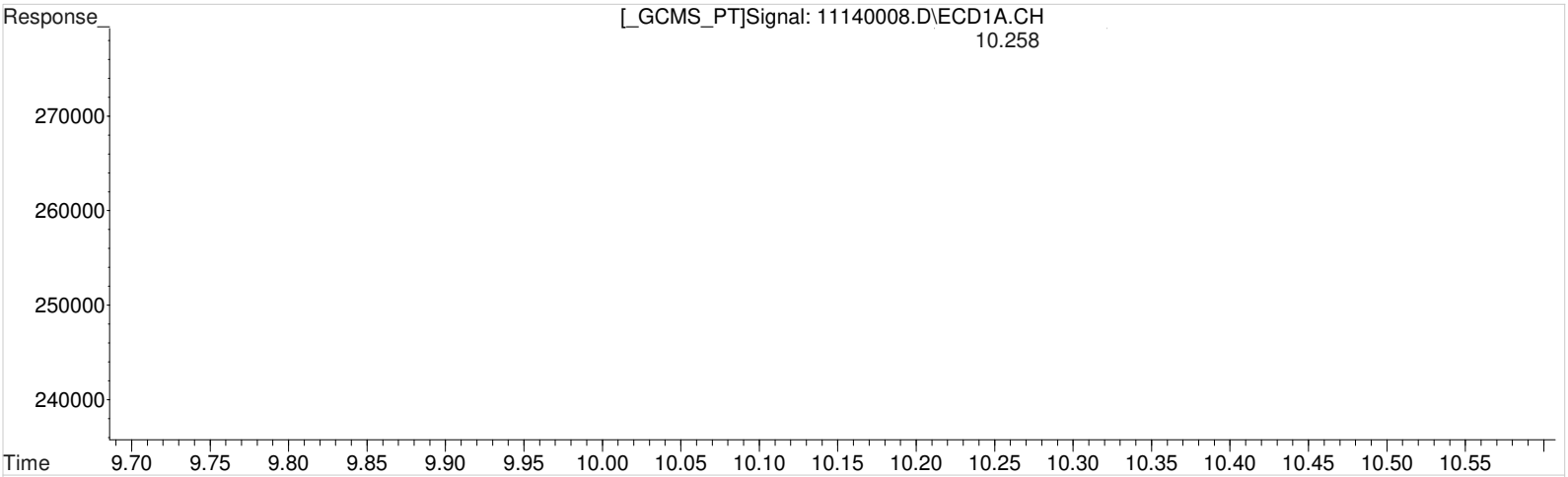
Quantitation Report (Qedit)

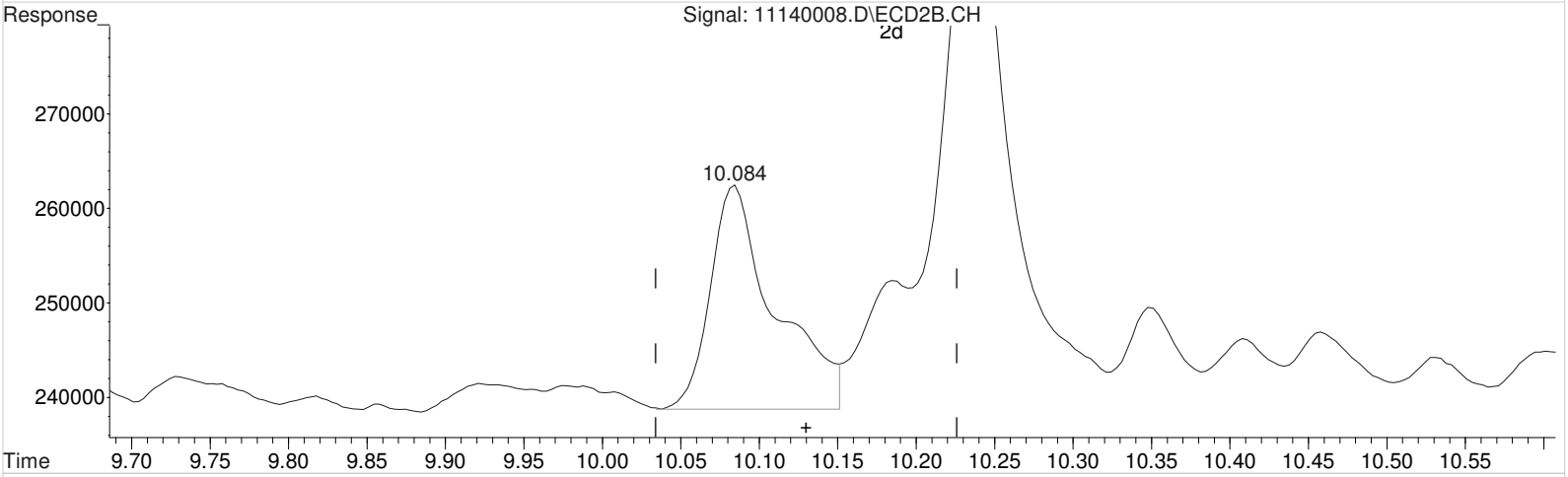
1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140008.D Vial: 6
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 4:56 pm Operator: UA
Sample : K2010068-002 Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 11:24:06 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(8) 2,4,5-TP (Silvex) (m)

10.258min 0.397 ppb

response 37180

Manual Integration:

Before

11/16/20

(8) 2,4,5-TP (Silvex) #2 (m)

10.084min 0.336 ppb

response 68146

(+) = Expected Retention Time

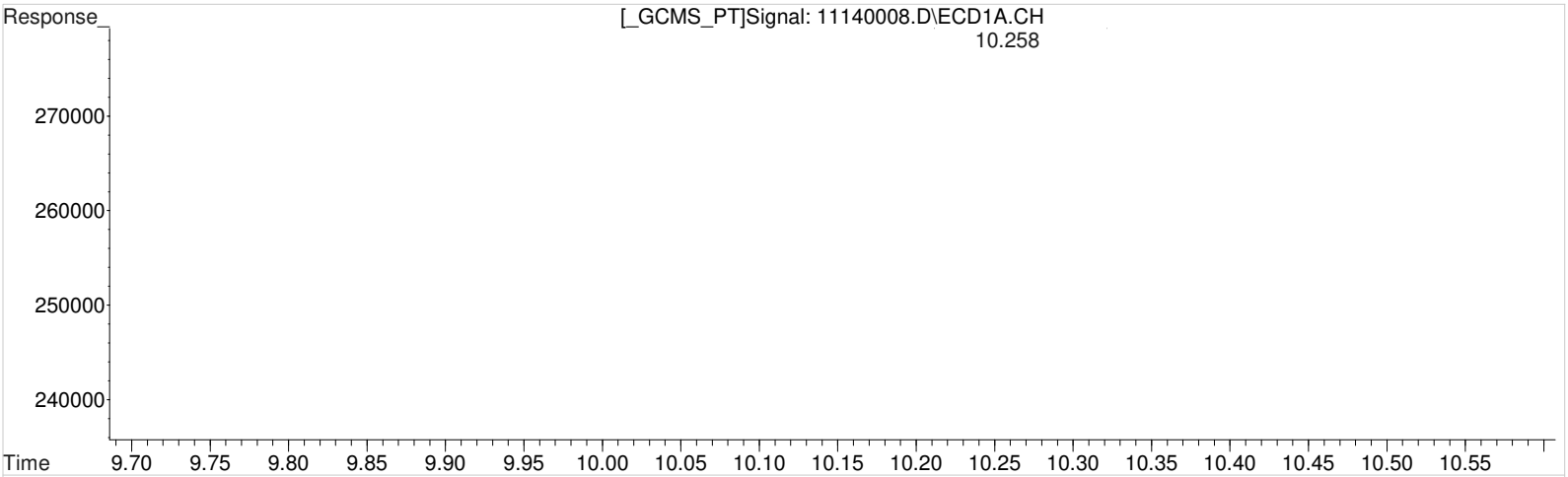
Quantitation Report (Qedit)

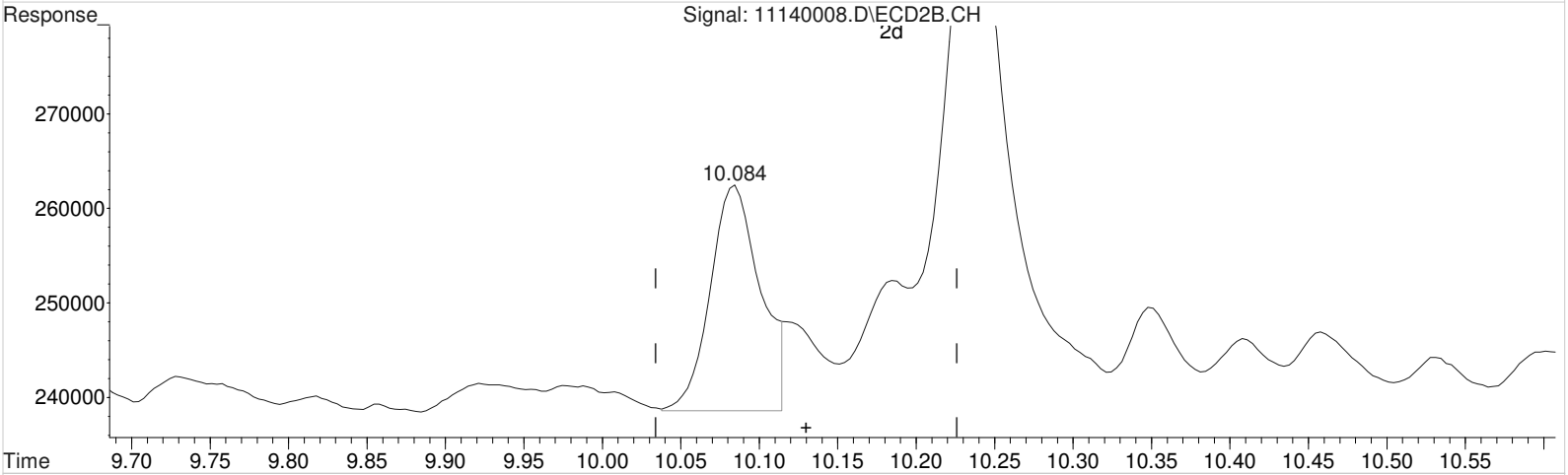
1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140008.D Vial: 6
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 4:56 pm Operator: UA
Sample : K2010068-002 Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 11:24:06 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(8) 2,4,5-TP (Silvex) (m)

10.258min 0.397 ppb

response 37180

Manual Integration:

After

Baseline/Shoulder

11/16/20

(8) 2,4,5-TP (Silvex) #2 (m)

10.084min 0.264 ppb m

response 53542

(+) = Expected Retention Time

1st 11/16/20
2nd UA 11/17/20

Validation Report

Data File: J:\gc24\data\111420\11140009.D\
Lab ID: K2010068-003
RunType: N/A
Matrix: Sediment

Date Acquired: 11/14/20 17:19:00
Batch ID: 703599
Analysis Method: 8151A/HERB

Validations

Validation Categories	Pass	Fail
Preparation Hold Time	X	
Analytical Hold Time	X	
ICAL Analyte Recovery	X	
Second Source ICAL Verification	X	
Continuing Calibration Recovery	X	
Continuing Calibration Recovery (Closing)		X
Lab Control Sample Recovery	X	
Method Blank	X	
Method Blank Surrogates	X	
Surrogates	X	
Std MRL Unsupported by ICAL	X	
Above Highest ICAL Level	X	
Analyte Coelutions	X	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
Continuing Calibration Recovery (Closing) - ZB-XLB-HT	2,4,5-TP	23		20	CCV+ND

Primary Review: _____

Secondary Review: _____

1st 11/16/20
2nd UA 11/17/20

Quantitation Report

Data File:	J:\gc24\data\111420\11140009.D\	**Instrument:**	K-GC-24
Acqu Date:	11/14/20 17:19:00	**Vial:**	9
Run Type:	N/A	**Dilution:**	1
Lab ID:	K2010068-003	**Raw Units:**	ppb

Bottle ID:	K2010068-003.01	**Tier:**	IV	**Matrix:**	Sediment
Prod Code:	HERB	**Collect Date:**	10/28/20	**Receive Date:**	11/3/20

Analysis Lot:	703599	**Prep Lot:**	369146	**Report Group:**	K2010068
Analysis	8151A	**Prep Method:**	Method		
		Prep Date:	11/4/20		

Title:	Chlorinated Herbicides by GC	**Calibration ID:**	KC2000566
		Report List ID:	11736

Surrogate Compounds

Parameter Name	RT 1	RT 2	Resp 1	Resp 2	Solution Conc 1	Solution Conc 2	% Rec 1	% Rec 2	% Rec	% Rec Criteria	Rpt?
DCAA	7.99 -0.01	7.81 -0.01	1309434	3404671	71.960	80.493	72	80	72	26 - 127	Y

Target Compounds

Final Conc.Units: ug/Kg

Parameter Name	RT 1	RT 2	Resp 1	Resp 2	Solution Conc 1	Solution Conc 2	Final Conc 1	Final Conc 2	Primary Conc	Rpt?
2,4,5-TP	10.26	10.11 -0.03	52592	78788	0.561	0.388 CCV	1.2U	0.80U	3.0 U	Y
2,4-D	9.36 +0.04	9.03 -0.04	1331	129925	0.063	2.538	0.13U	5.2U	9.6 U	Y

Prep Amount:	30.131 g	**Dilution:**	1
Prep Final Amount:	50.00 mL	**Basis Factor:**	80.40

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

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Quantitation Report (QT Reviewed)

1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140009.D Vial: 7
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 5:19 pm Operator: UA
Sample : K2010068-003 Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 13:50:02 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
2) s	2,4-Dichl...	7.986	7.812	1309434	3404671	71.960m	80.493m
	Target Compounds						
1) m	Dalapon	0.000	0.000	0	0	N.D. d	N.D. d
3) m	Dicamba	0.000	0.000	0	0	N.D. d	N.D. d
4) m	MCPP	0.000	0.000	0	0	N.D. d	N.D. d
5) m	MCPA	0.000	0.000	0	0	N.D. d	N.D. d
6) m	Dichloroprop	0.000	0.000	0	0	N.D. d	N.D. d
7) m	2,4-D	9.363	9.026	1331	129925	0.063	2.538m#
8) m	2,4,5-TP ...	10.256	10.106	52592	78788	0.561m	0.388m#
9) m	2,4,5-T	0.000	0.000	0	0	N.D. d	N.D. d
10) m	2,4-DB	0.000	0.000	0	0	N.D. d	N.D. d
11) m	Dinoseb	0.000	0.000	0	0	N.D. d	N.D. d

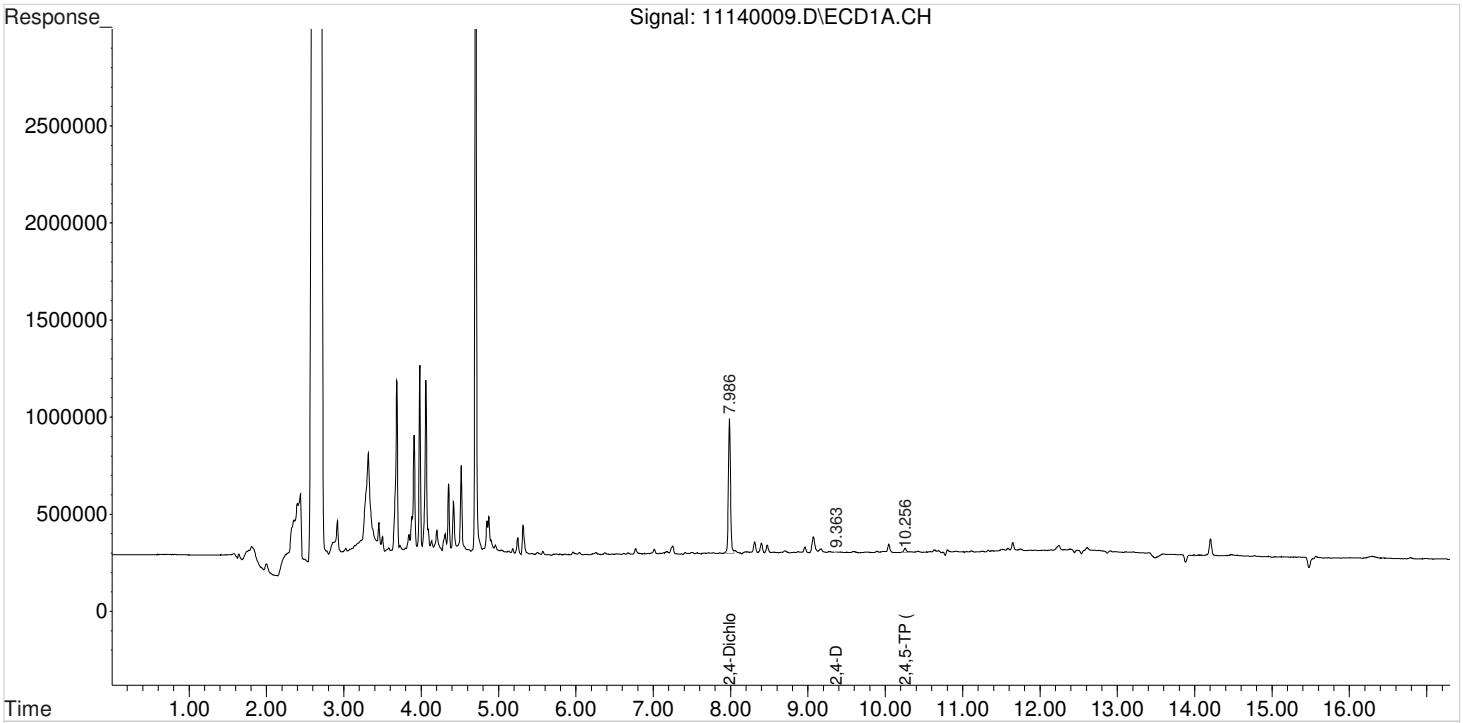
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

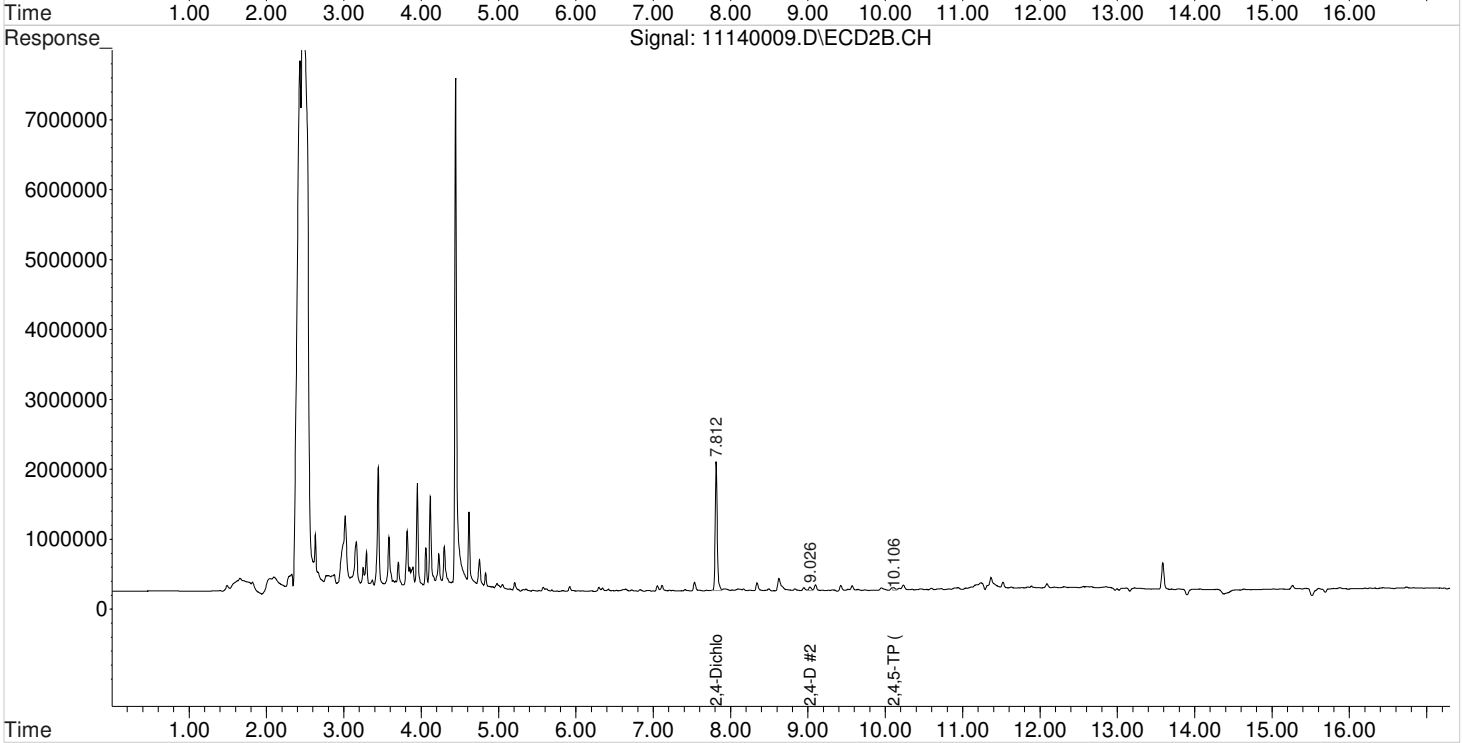
1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140009.D Vial: 7
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 5:19 pm Operator: UA
Sample : K2010068-003 Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 13:50:02 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





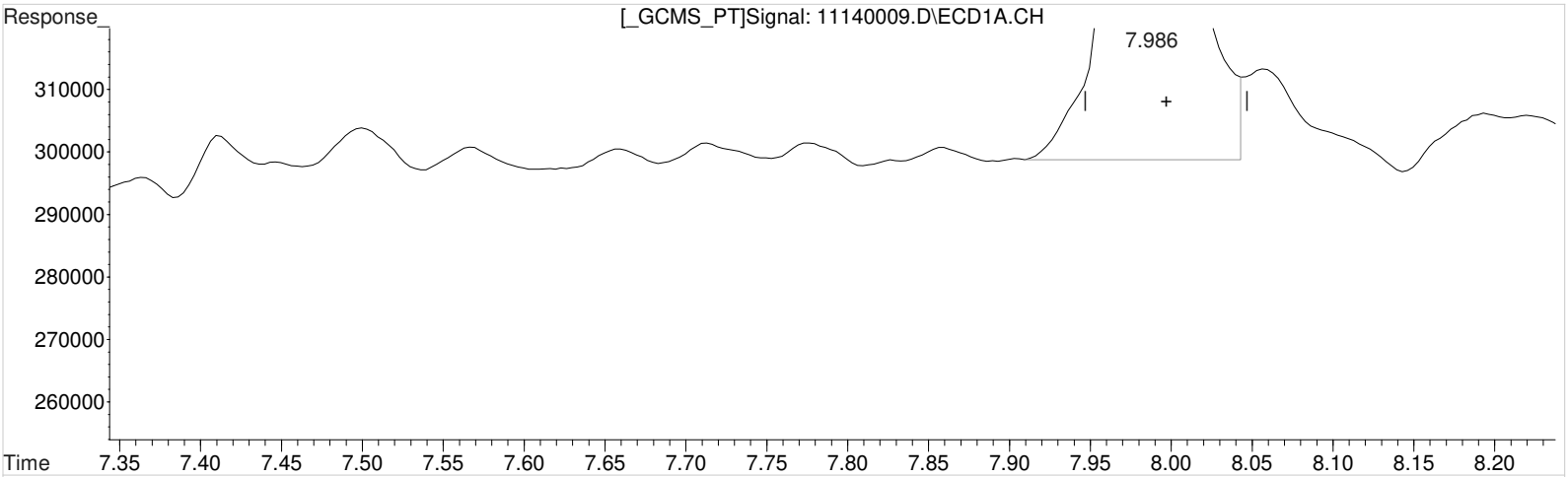
Quantitation Report (Qedit)

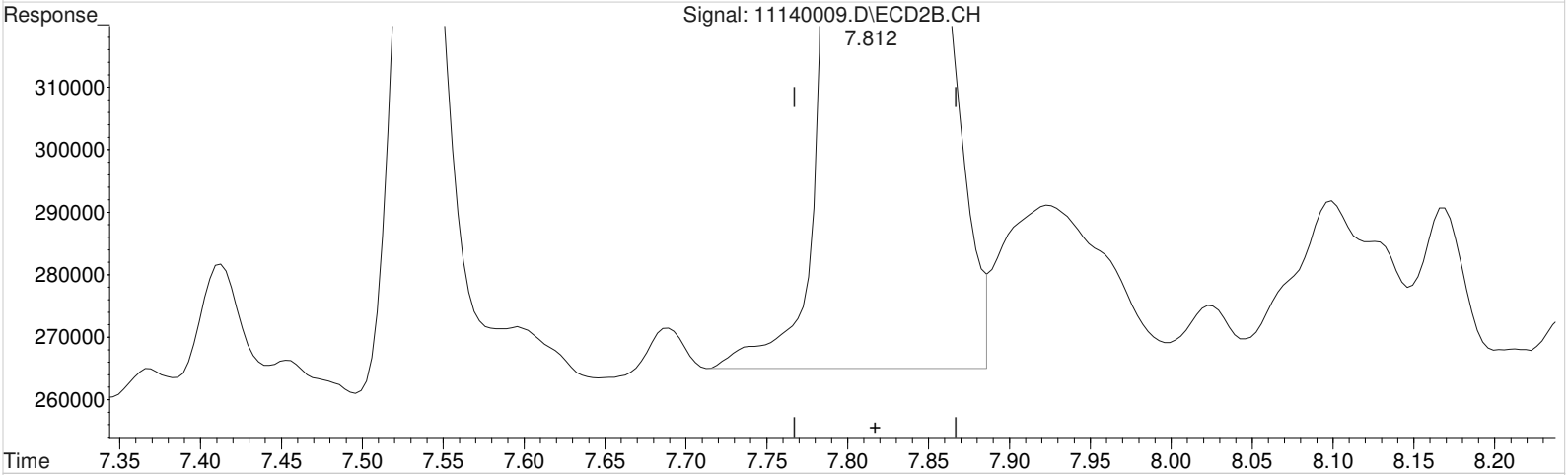
1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140009.D Vial: 7
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 5:19 pm Operator: UA
Sample : K2010068-003 Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 11:24:09 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(2) 2,4-Dichlorophenylacetic Acid (s)

7.986min 72.471 ppb

response 1318719

Manual Integration:

Before

11/16/20

(2) 2,4-Dichlorophenylacetic Acid #2 (s)

7.812min 80.655 ppb

response 3411544

(+) = Expected Retention Time

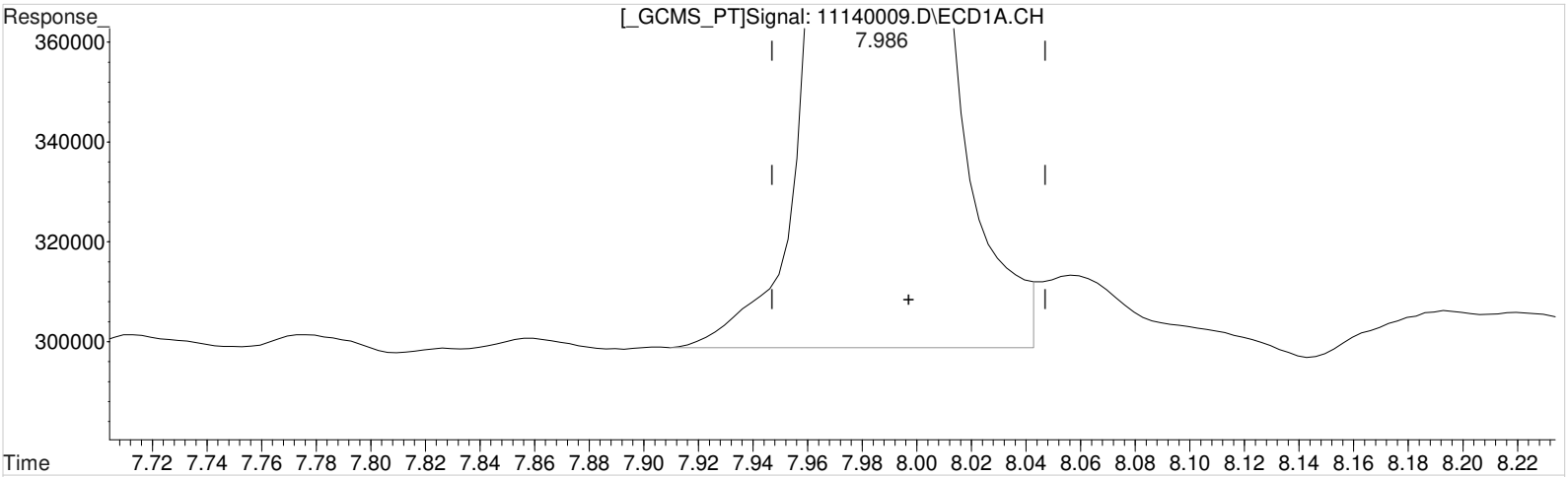
Quantitation Report (Qedit)

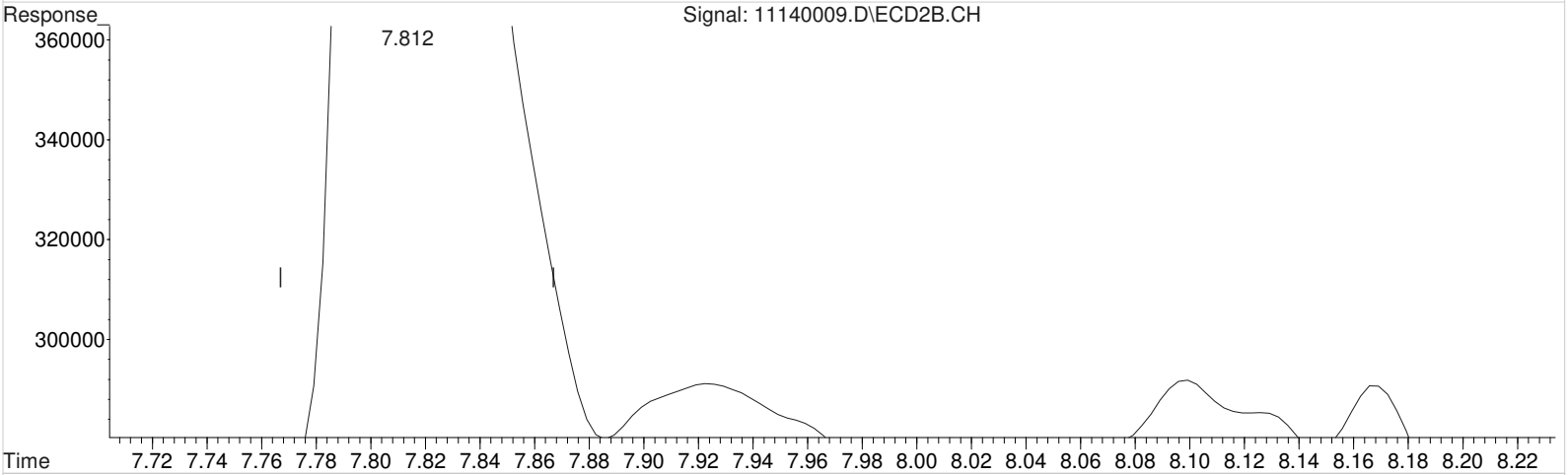
1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140009.D Vial: 7
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 5:19 pm Operator: UA
Sample : K2010068-003 Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 11:24:09 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(2) 2,4-Dichlorophenylacetic Acid (s)

7.986min 72.471 ppb

response 1318719

Manual Integration:

Before

11/16/20

(2) 2,4-Dichlorophenylacetic Acid #2 (s)

7.812min 80.493 ppb m

response 3404671

(+) = Expected Retention Time

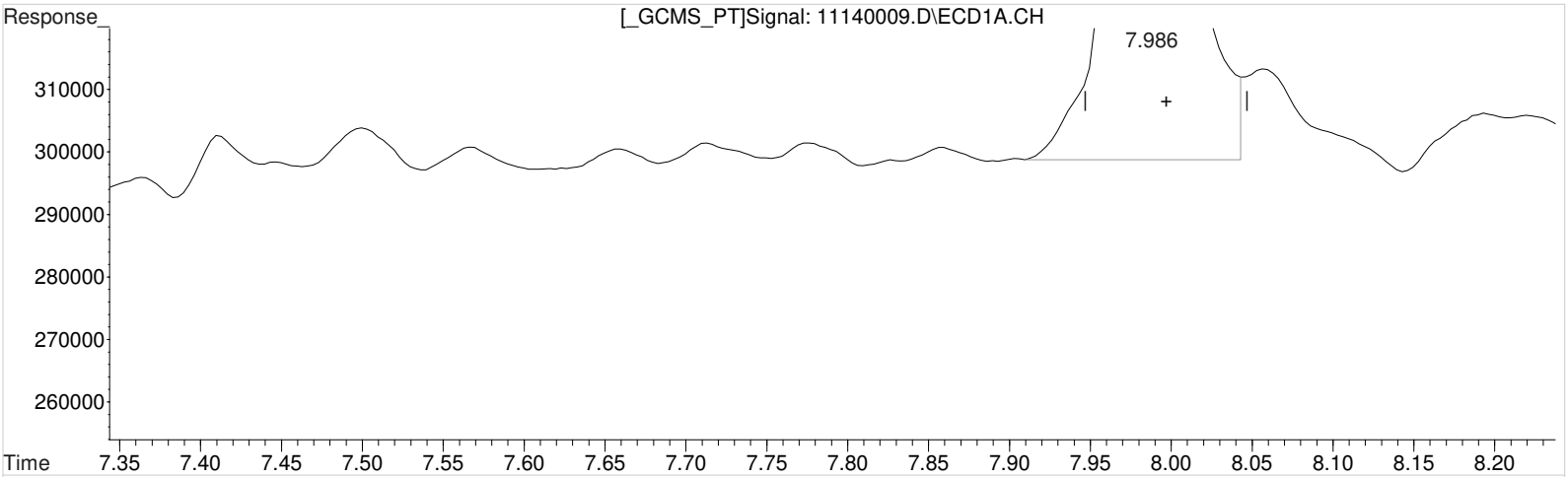
Quantitation Report (Qedit)

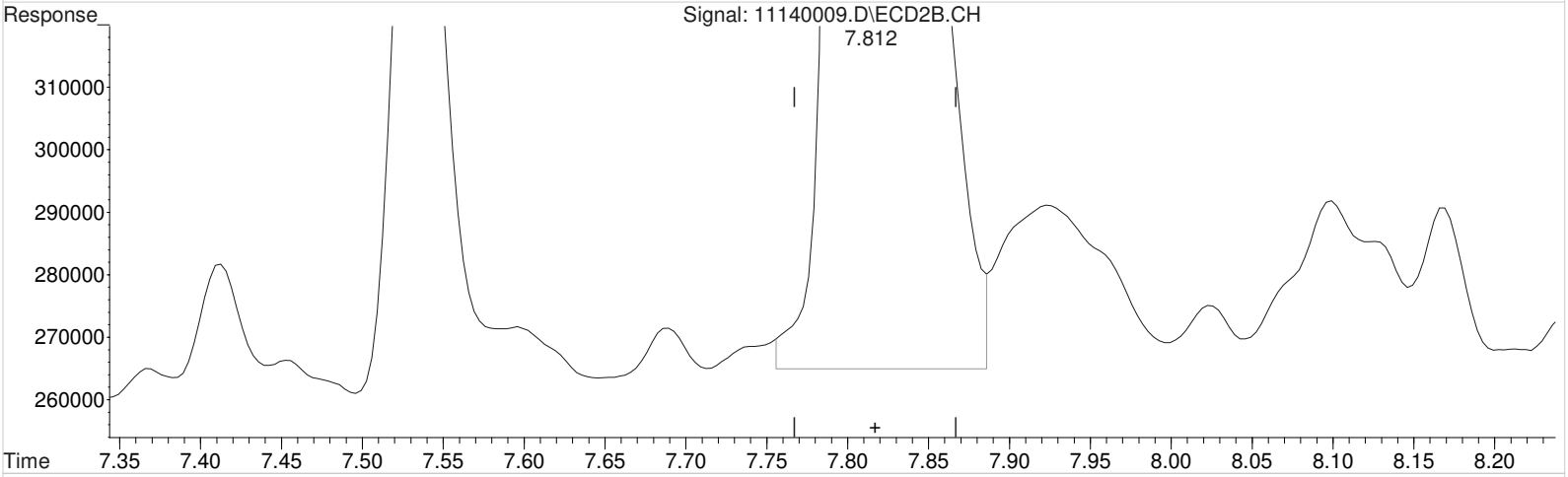
1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140009.D Vial: 7
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 5:19 pm Operator: UA
Sample : K2010068-003 Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 11:24:09 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(2) 2,4-Dichlorophenylacetic Acid (s)

7.986min 72.471 ppb

response 1318719

Manual Integration:

After

Baseline/Shoulder

11/16/20

(2) 2,4-Dichlorophenylacetic Acid #2 (s)

7.812min 80.493 ppb m

response 3404671

(+) = Expected Retention Time

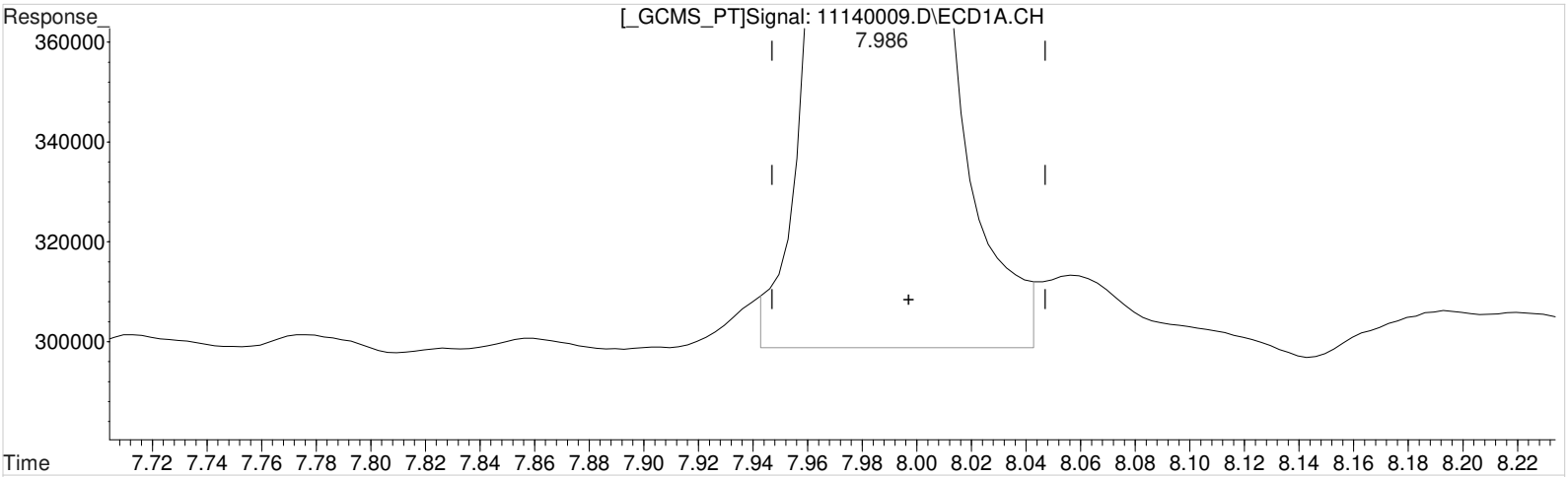
Quantitation Report (Qedit)

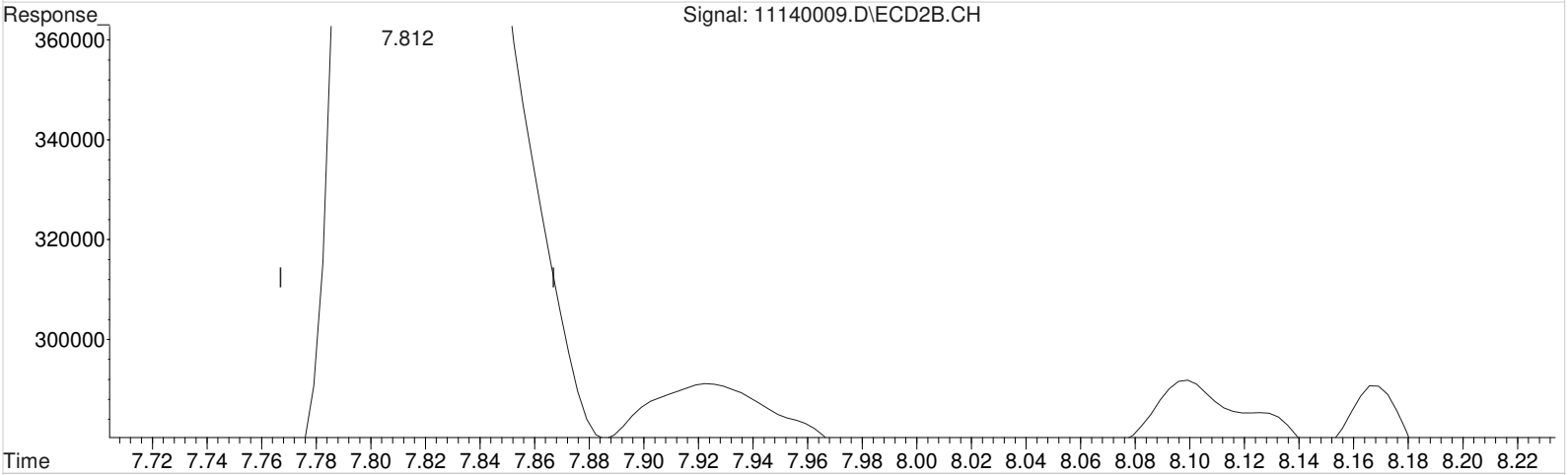
1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140009.D Vial: 7
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 5:19 pm Operator: UA
Sample : K2010068-003 Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 11:24:09 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(2) 2,4-Dichlorophenylacetic Acid (s)

7.986min 71.960 ppb m

response 1309434

Manual Integration:

After

Baseline/Shoulder

11/16/20

(2) 2,4-Dichlorophenylacetic Acid #2 (s)

7.812min 80.493 ppb m

response 3404671

(+) = Expected Retention Time

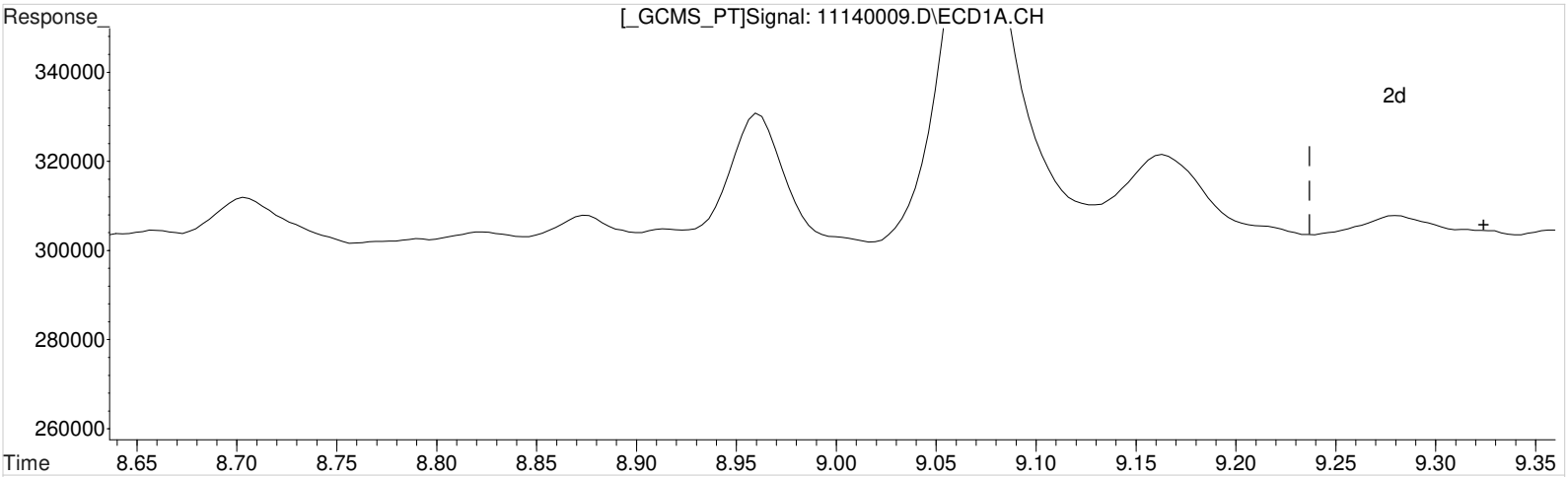
Quantitation Report (Qedit)

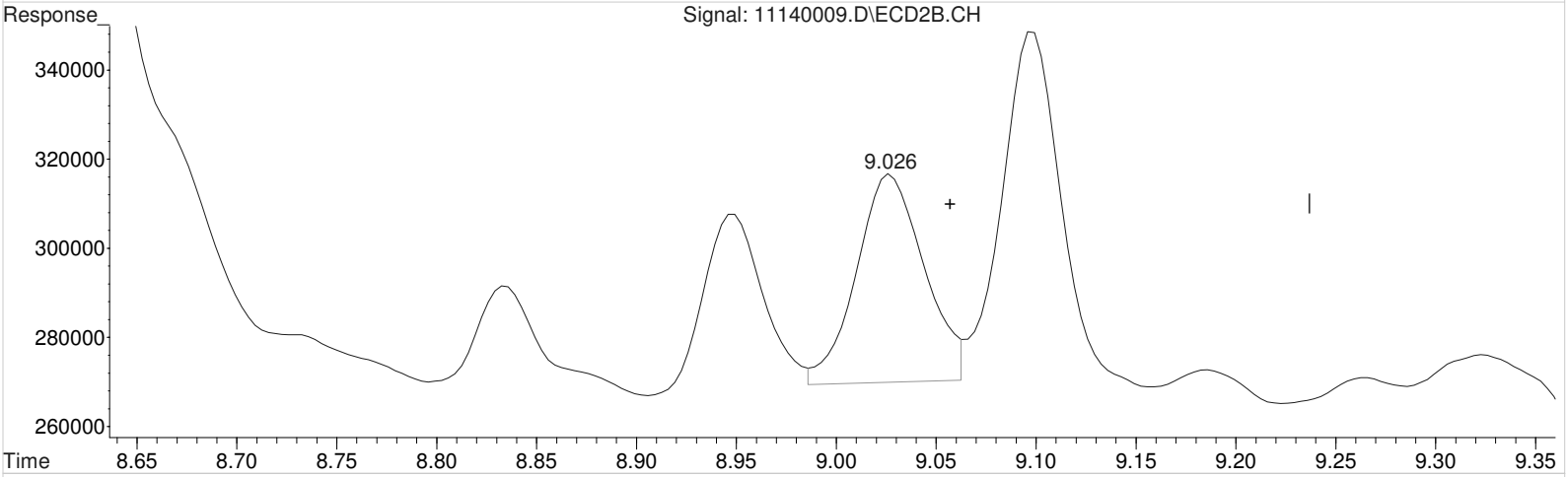
1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140009.D Vial: 7
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 5:19 pm Operator: UA
Sample : K2010068-003 Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 11:24:09 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(7) 2,4-D (m)

9.363min 0.063 ppb

response 1331

(7) 2,4-D #2 (m)

9.026min 2.165 ppb

response 110864

Manual Integration:

Before

11/16/20

(+) = Expected Retention Time

Quantitation Report (Qedit)

1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140009.D Vial: 7
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 5:19 pm Operator: UA
Sample : K2010068-003 Inst : HP G1530A
Misc : Multiplr: 1.00
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Quant Time: Nov 16 11:24:09 2020
Quant Results File: 102120_8151.RES

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Quant Title : 103118_8151.m MJ215 CAL_KC1800
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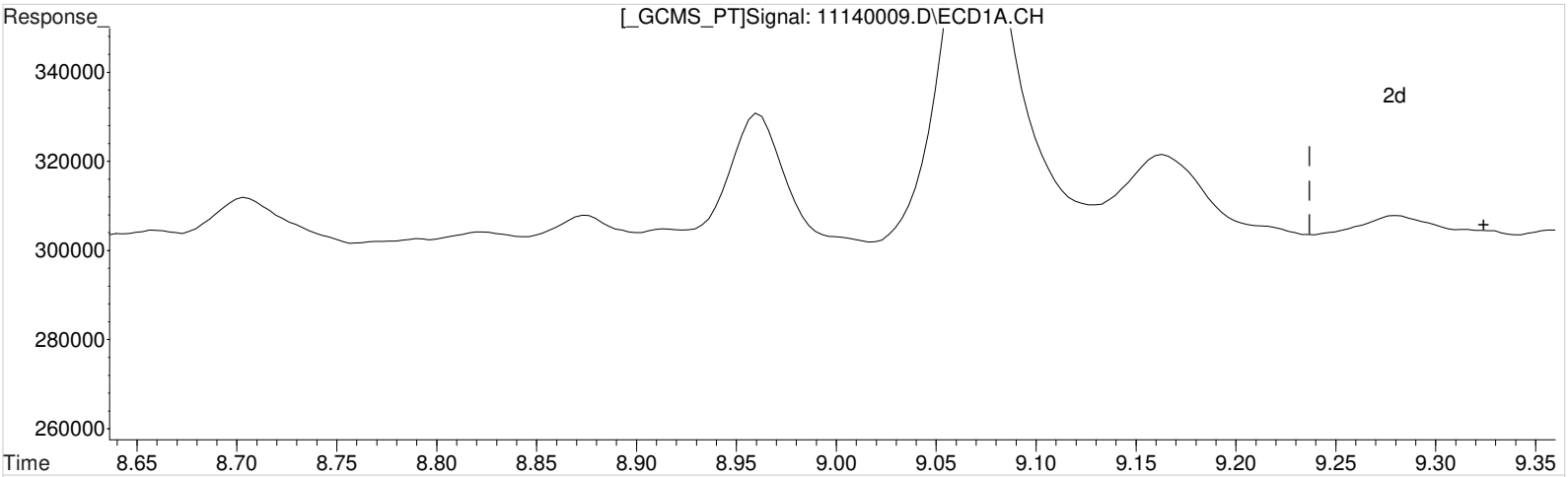
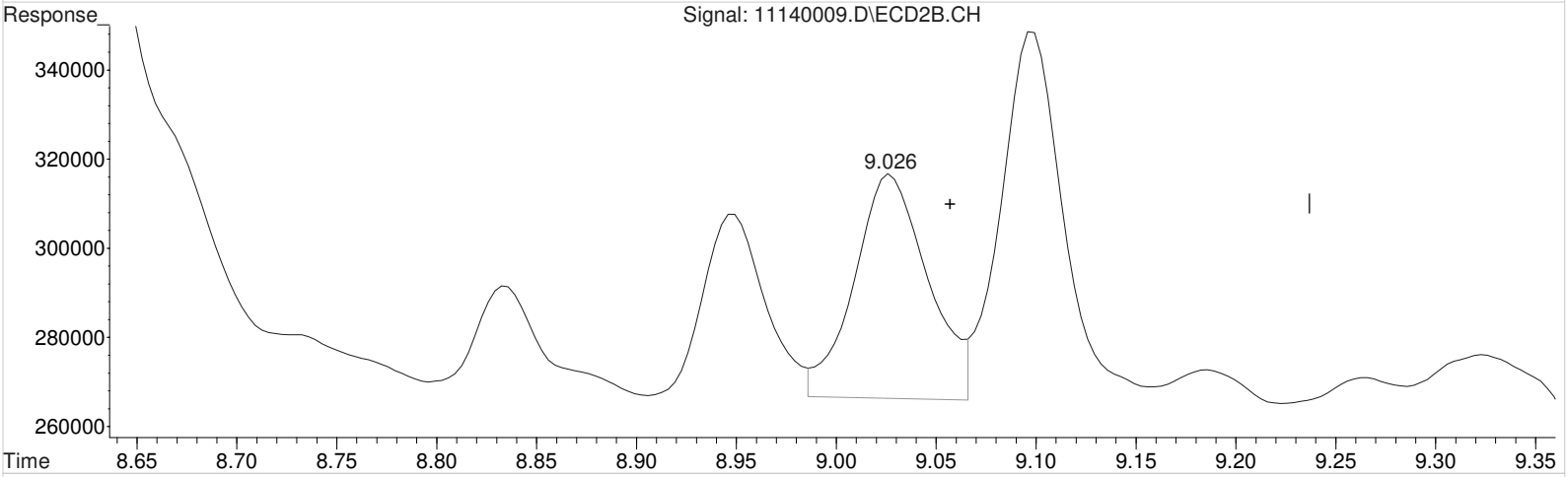
Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(7) 2,4-D (m)

9.363min 0.063 ppb

response 1331

(7) 2,4-D #2 (m)

9.026min 2.538 ppb m

response 129925

Manual Integration:

After

Baseline/Shoulder

11/16/20

(+) = Expected Retention Time

Quantitation Report (Qedit)

1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140009.D Vial: 7
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 5:19 pm Operator: UA
Sample : K2010068-003 Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
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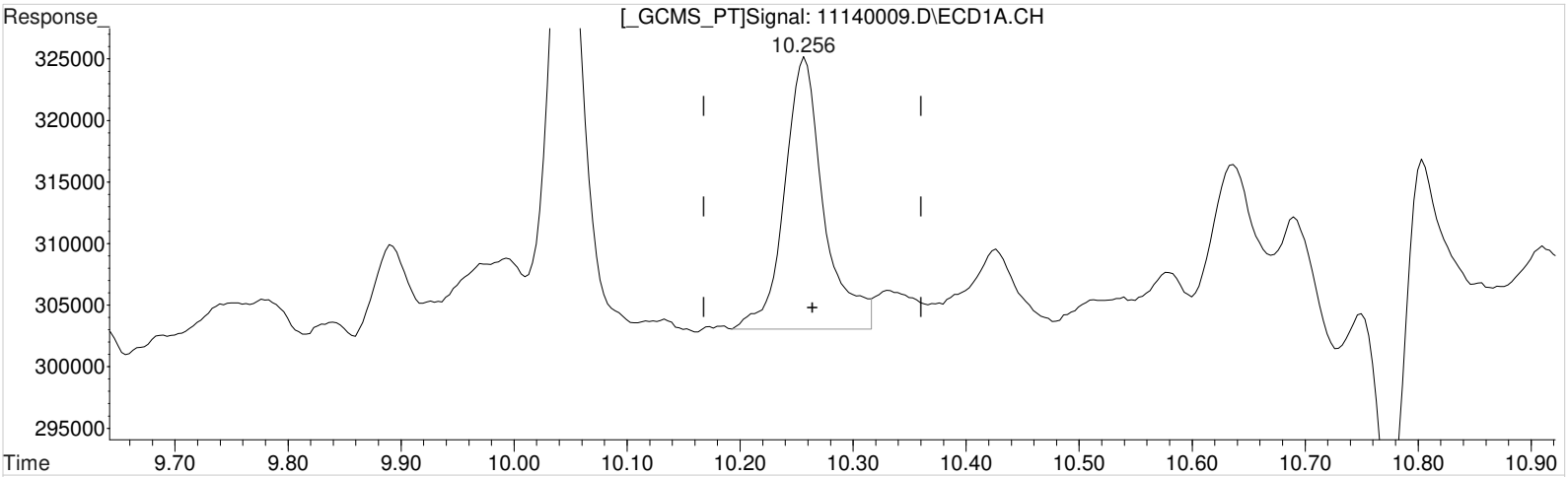
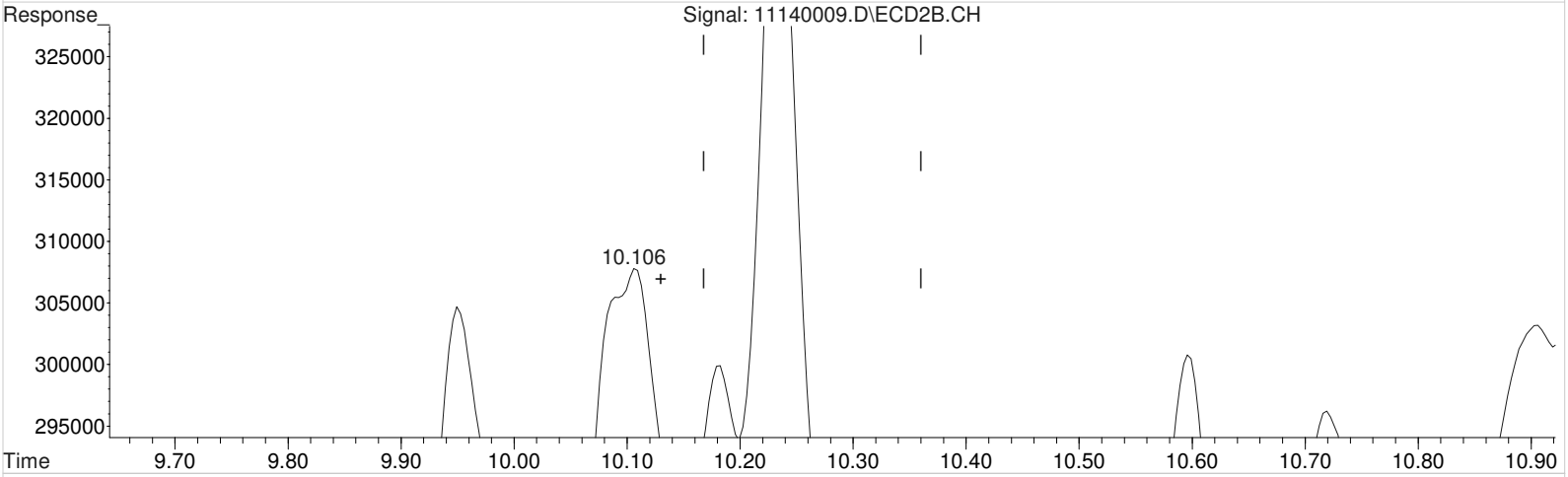
Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(8) 2,4,5-TP (Silvex) (m)

10.256min 0.571 ppb

response 53534

Manual Integration:

Before

11/16/20

(8) 2,4,5-TP (Silvex) #2 (m)

10.106min 0.225 ppb

response 45642

(+) = Expected Retention Time

Quantitation Report (Qedit)

1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140009.D Vial: 7
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 5:19 pm Operator: UA
Sample : K2010068-003 Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 11:24:09 2020
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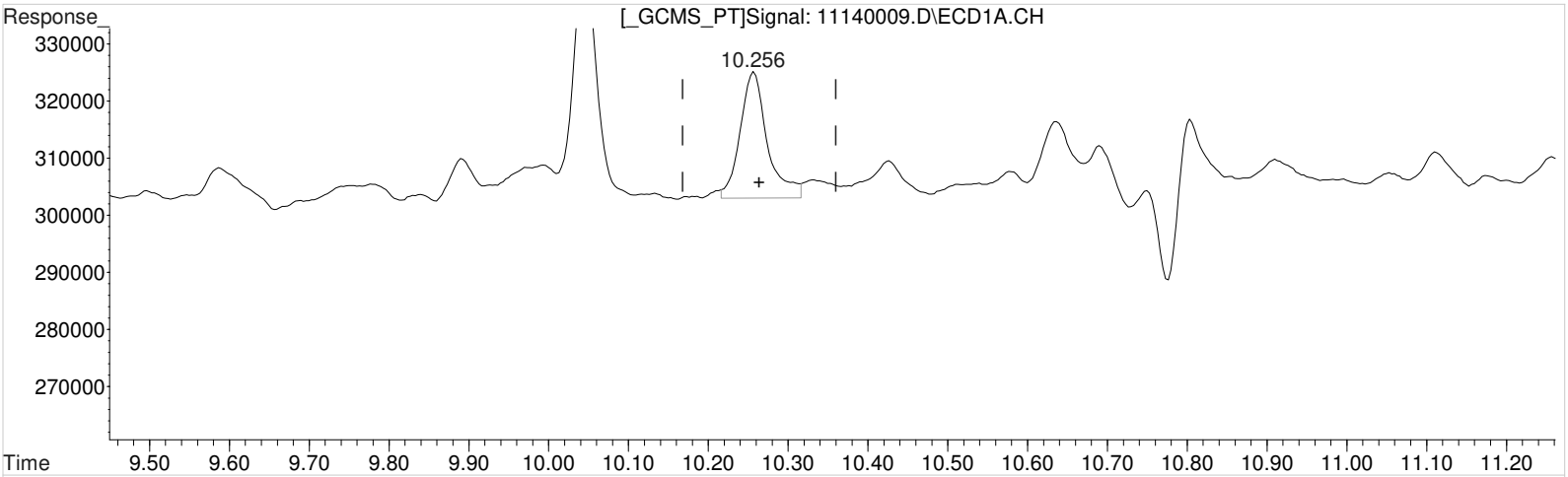
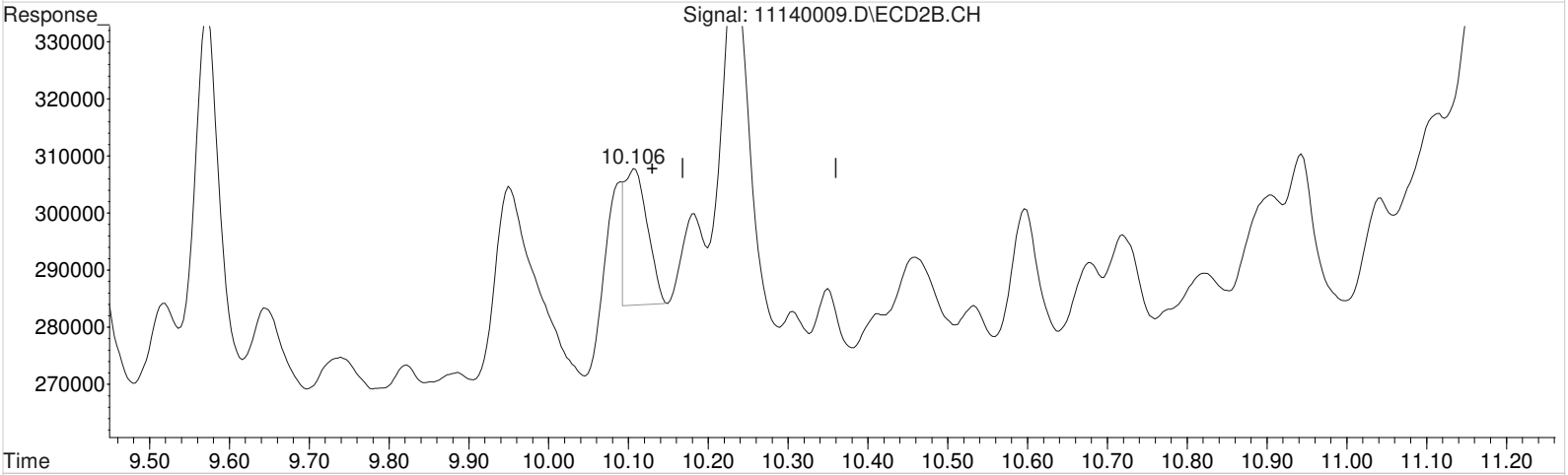
Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(8) 2,4,5-TP (Silvex) (m)

10.256min 0.561 ppb m

response 52592

(8) 2,4,5-TP (Silvex) #2 (m)

10.106min 0.225 ppb

response 45642

Manual Integration:

Before

11/16/20

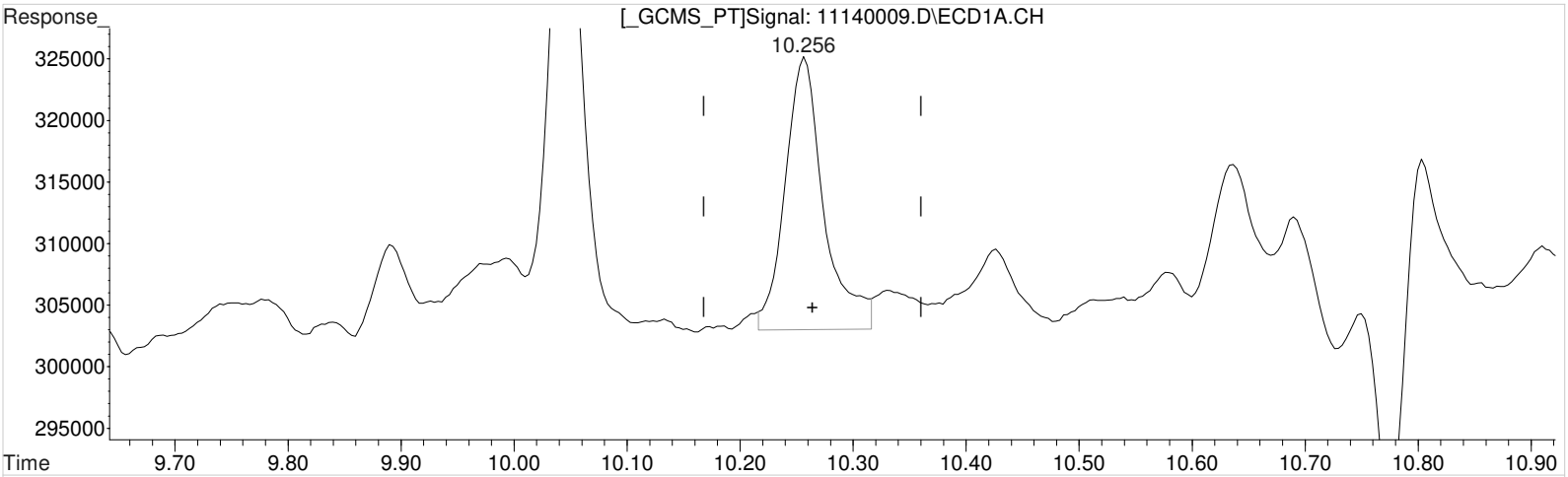
(+) = Expected Retention Time

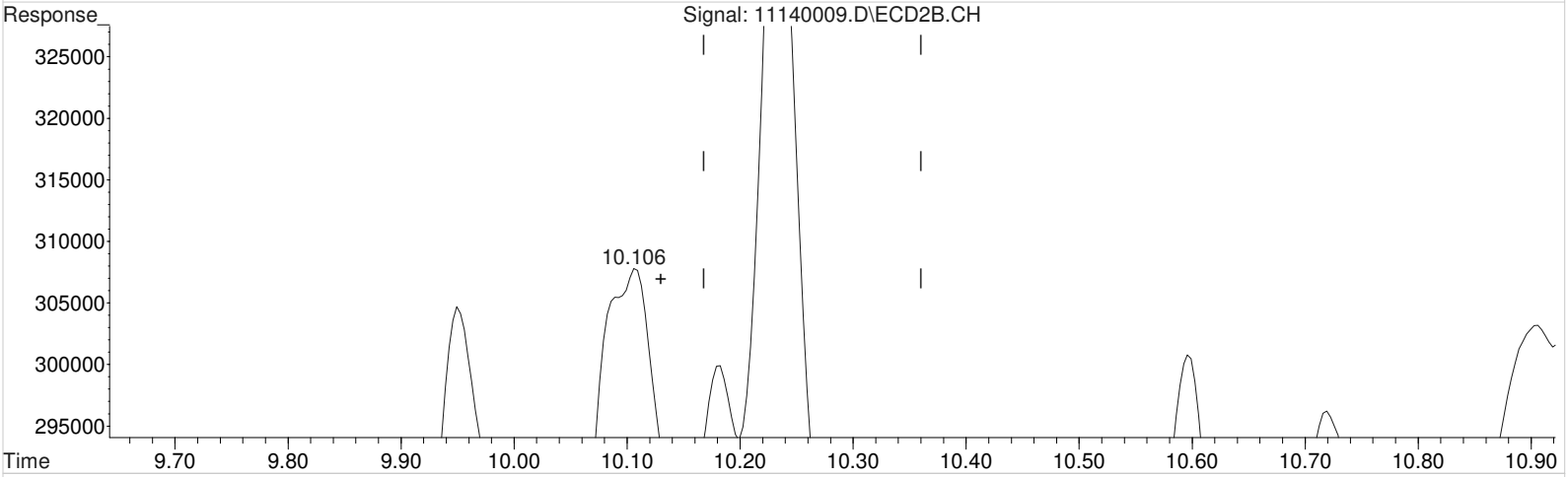
1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140009.D Vial: 7
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 5:19 pm Operator: UA
Sample : K2010068-003 Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 11:24:09 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(8) 2,4,5-TP (Silvex) (m)

10.256min 0.561 ppb m

response 52592

Manual Integration:

After

Baseline/Shoulder

11/16/20

(8) 2,4,5-TP (Silvex) #2 (m)

10.106min 0.225 ppb

response 45642

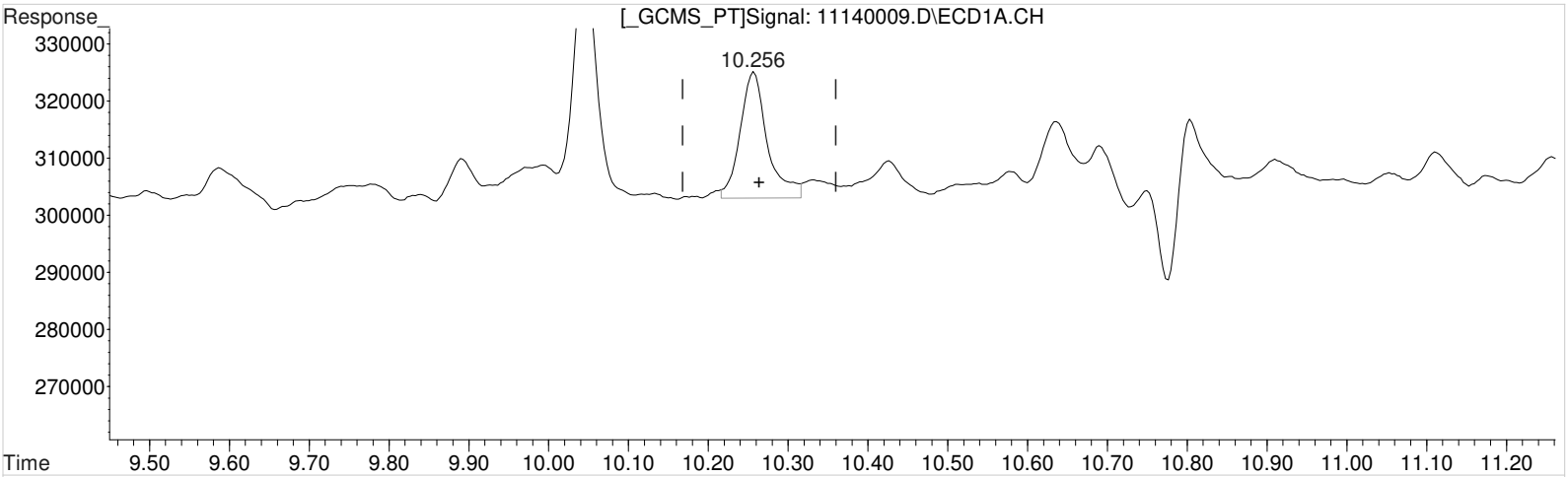
(+) = Expected Retention Time

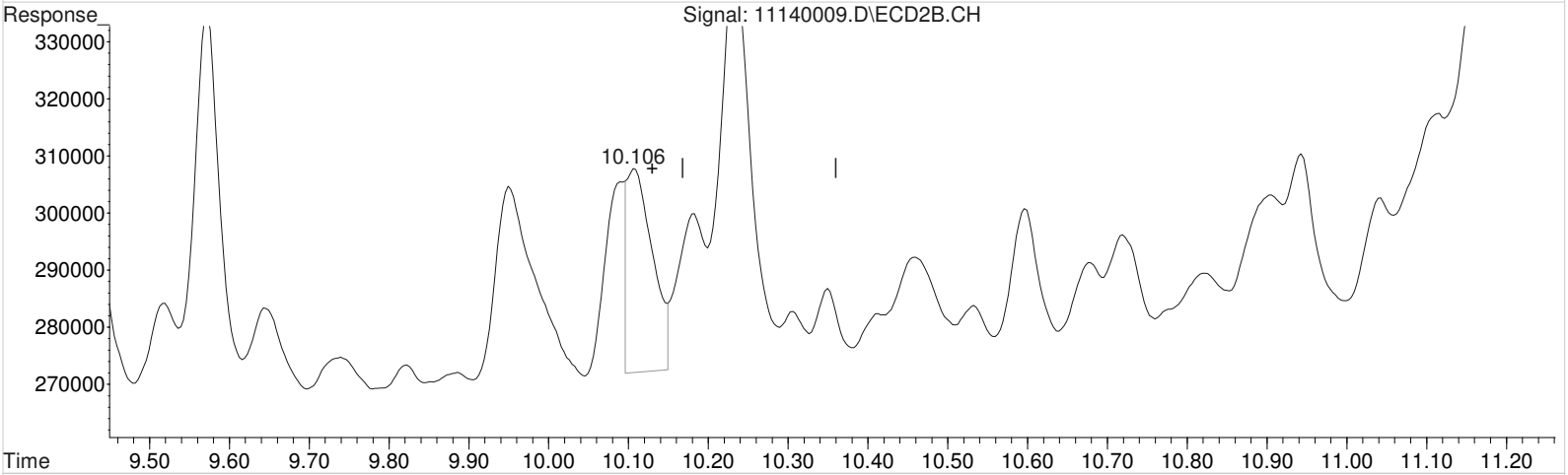
1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140009.D Vial: 7
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 5:19 pm Operator: UA
Sample : K2010068-003 Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 11:24:09 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(8) 2,4,5-TP (Silvex) (m)

10.256min 0.561 ppb m

response 52592

Manual Integration:

After

Baseline/Shoulder

11/16/20

(8) 2,4,5-TP (Silvex) #2 (m)

10.106min 0.388 ppb m

response 78788

(+) = Expected Retention Time

1st 11/16/20
2nd UA 11/17/20

Validation Report

Data File: J:\gc24\data\111420\11140010.D\
Lab ID: K2010068-004
RunType: N/A
Matrix: Sediment

Date Acquired: 11/14/20 17:42:00
Batch ID: 703599
Analysis Method: 8151A/HERB

Validations

Validation Categories	Pass	Fail
Preparation Hold Time	X	
Analytical Hold Time	X	
ICAL Analyte Recovery	X	
Second Source ICAL Verification	X	
Continuing Calibration Recovery	X	
Continuing Calibration Recovery (Closing)		X
Lab Control Sample Recovery	X	
Method Blank	X	
Method Blank Surrogates	X	
Surrogates	X	
Std MRL Unsupported by ICAL	X	
Above Highest ICAL Level	X	
Analyte Coelutions	X	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
Continuing Calibration Recovery (Closing) - ZB-XLB-HT	2,4,5-TP	23		20	CCV+ND

Primary Review: _____

Secondary Review: _____

1st 11/16/20
2nd UA 11/17/20

Quantitation Report

Data File:	J:\gc24\data\111420\11140010.D\	**Instrument:**	K-GC-24
Acqu Date:	11/14/20 17:42:00	**Vial:**	10
Run Type:	N/A	**Dilution:**	1
Lab ID:	K2010068-004	**Raw Units:**	ppb

Bottle ID:	K2010068-004.01	**Tier:**	IV	**Matrix:**	Sediment
Prod Code:	HERB	**Collect Date:**	10/28/20	**Receive Date:**	11/3/20

Analysis Lot:	703599	**Prep Lot:**	369146	**Report Group:**	K2010068
Analysis	8151A	**Prep Method:**	Method		
		Prep Date:	11/4/20		

Title:	Chlorinated Herbicides by GC	**Calibration ID:**	KC2000566
		Report List ID:	11736

Surrogate Compounds

Parameter Name	RT 1	RT 2	Resp 1	Resp 2	Solution Conc 1	Solution Conc 2	% Rec 1	% Rec 2	% Rec	% Rec Criteria	Rpt?
DCAA	8.00	7.83 +0.01	1438670	3673020	79.063	86.837	79	87	79	26 - 127	Y

Target Compounds

Final Conc.Units: ug/Kg

Parameter Name	RT 1	RT 2	Resp 1	Resp 2	Solution Conc 1	Solution Conc 2	Final Conc 1	Final Conc 2	Primary Conc	Rpt?
2,4,5-TP	10.27 +0.01	10.10 -0.04	39628	54819	0.423	0.270 CCV	0.91U	0.58U	3.2 U	Y
2,4-D	9.30 -0.02	9.04 -0.03	12000	105767	0.565	2.066	1.2U	4.5U	10 U	Y

Prep Amount:	30.278 g	**Dilution:**	1
Prep Final Amount:	50.00 mL	**Basis Factor:**	76.60

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

Printed: 11/17/20 15:41
\\alprews001\starlims$\LIMSReps\QuantValidation.rpt

Quantitation Report (QT Reviewed)

1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140010.D Vial: 8
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 5:42 pm Operator: UA
Sample : K2010068-004 Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 13:54:06 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm

		Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
		System Monitoring Compounds						
2)	s	2,4-Dichl...	7.999	7.825	1438670	3673020	79.063m	86.837
		Target Compounds						
1)	m	Dalapon	0.000	0.000	0	0	N.D. d	N.D. d
3)	m	Dicamba	0.000	0.000	0	0	N.D. d	N.D. d
4)	m	MCPP	0.000	0.000	0	0	N.D. d	N.D. d
5)	m	MCPA	0.000	0.000	0	0	N.D. d	N.D. d
6)	m	Dichloroprop	0.000	0.000	0	0	N.D. d	N.D. d
7)	m	2,4-D	9.296	9.042	12000	105767	0.565m	2.066m#
8)	m	2,4,5-TP ...	10.272	10.099	39628	54819	0.423	0.270m#
9)	m	2,4,5-T	0.000	0.000	0	0	N.D. d	N.D. d
10)	m	2,4-DB	0.000	0.000	0	0	N.D. d	N.D. d
11)	m	Dinoseb	0.000	0.000	0	0	N.D. d	N.D. d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140010.D Vial: 8
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
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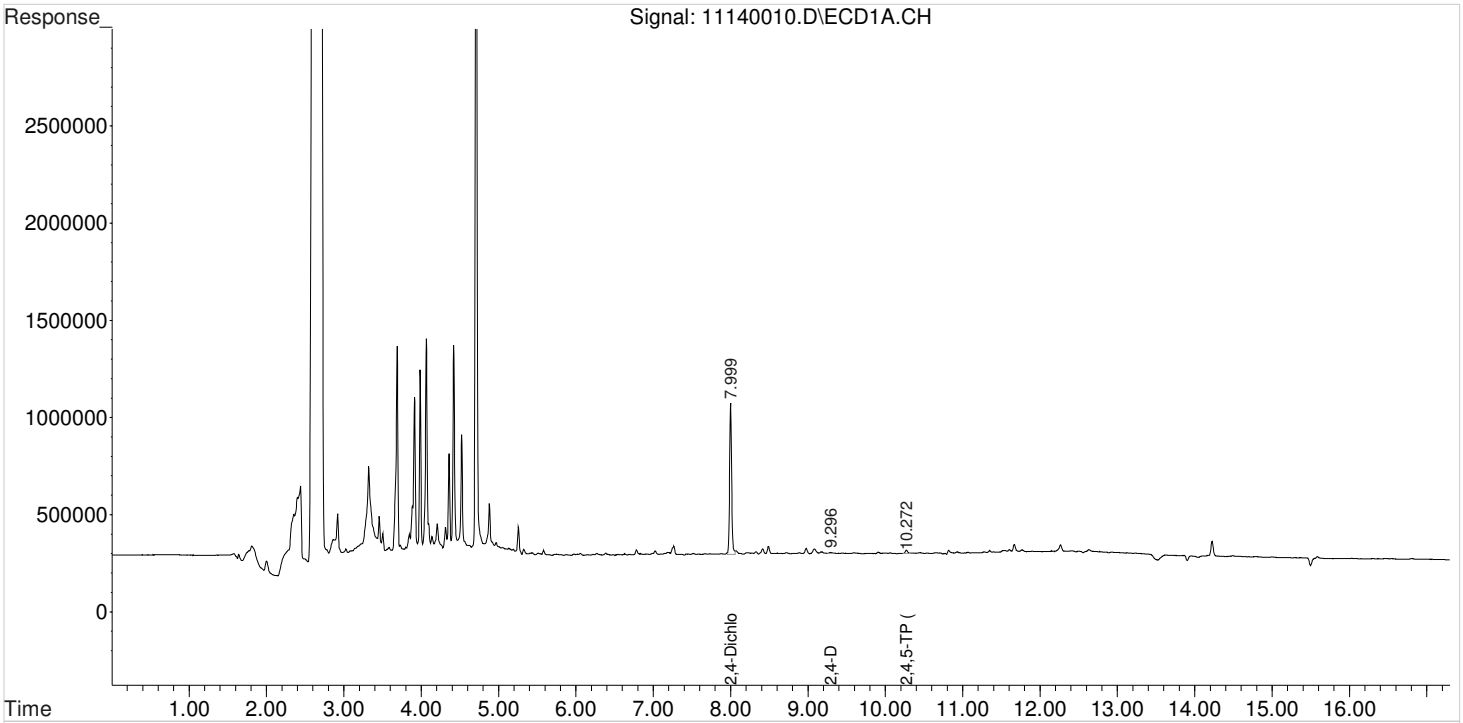
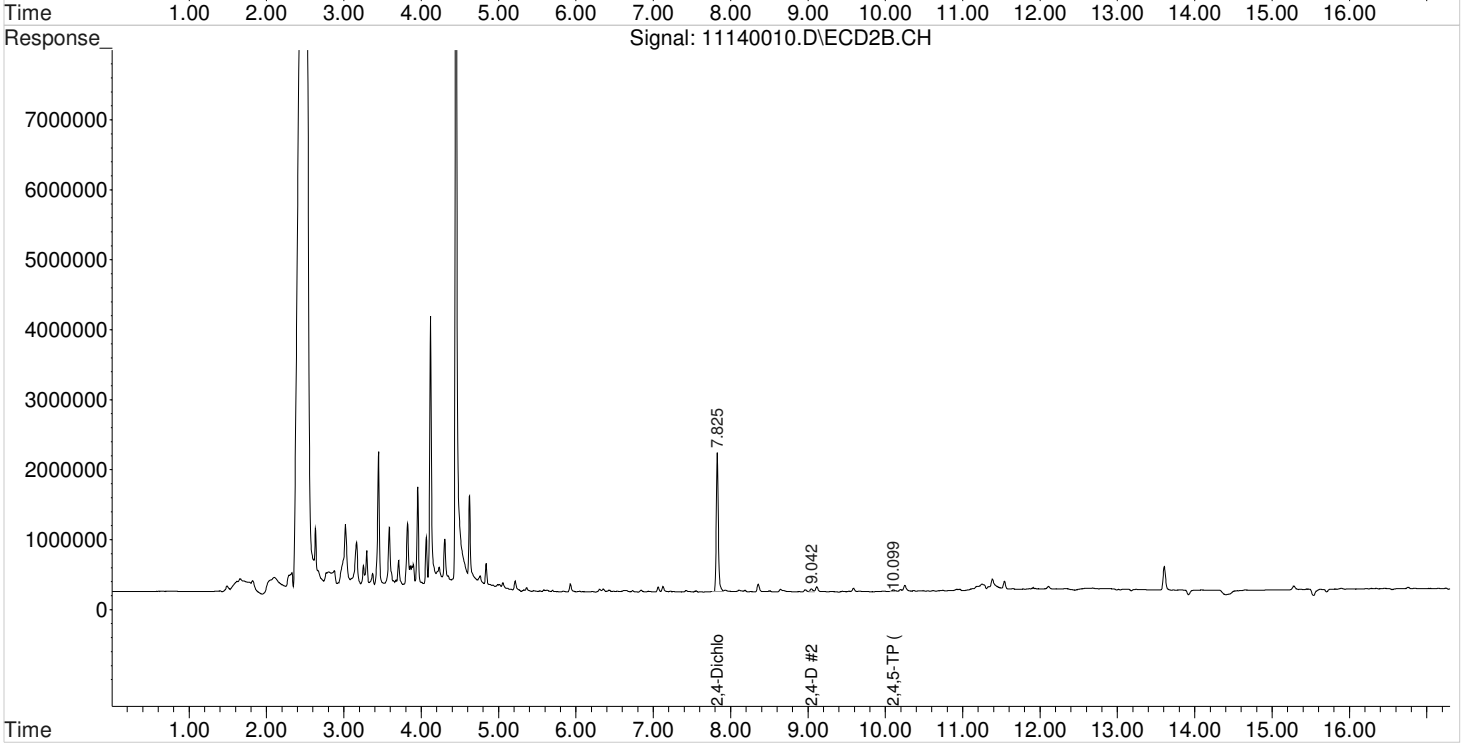
Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140010.D Vial: 8
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 5:42 pm Operator: UA
Sample : K2010068-004 Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
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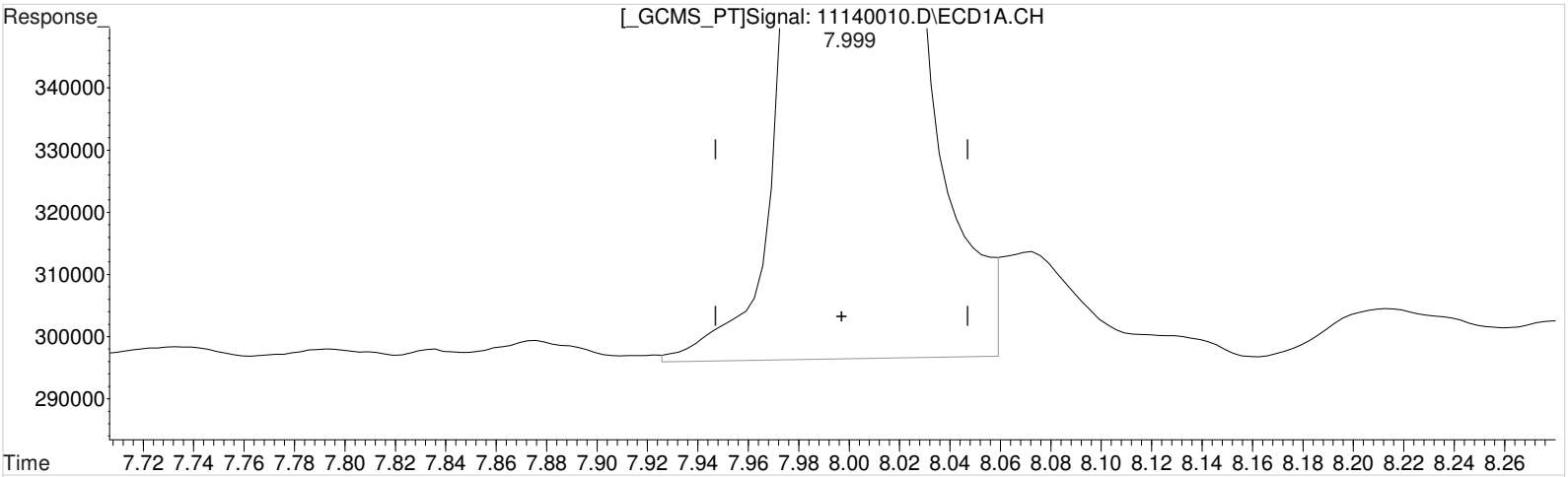
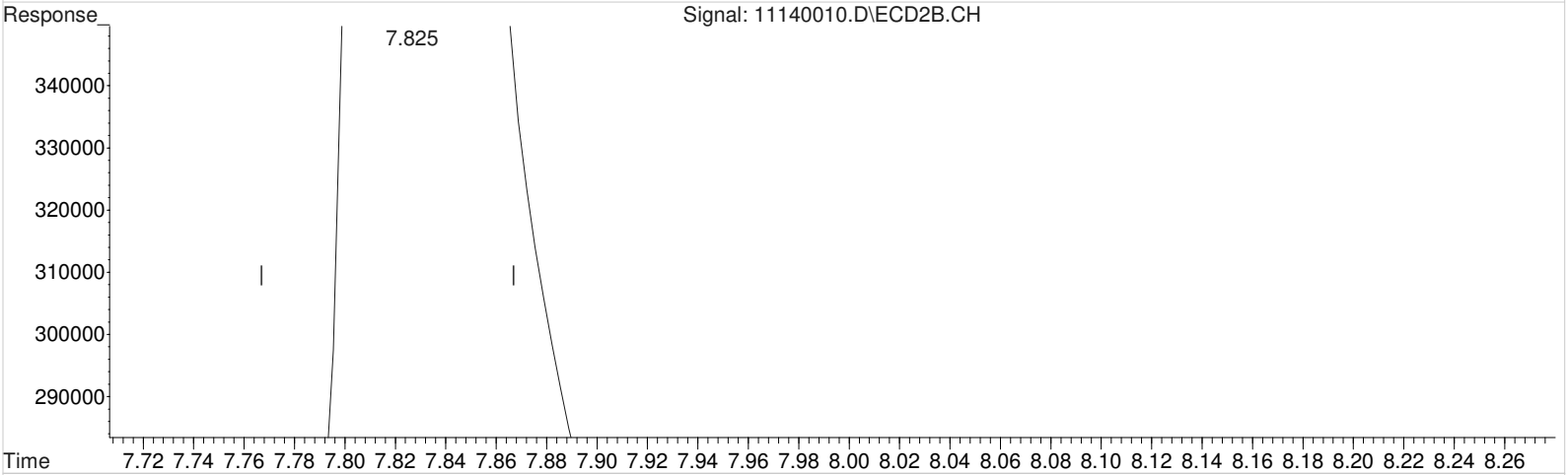
Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(2) 2,4-Dichlorophenylacetic Acid (s)

7.999min 79.463 ppb

response 1445965

Manual Integration:

Before

11/16/20

(2) 2,4-Dichlorophenylacetic Acid #2 (s)

7.825min 86.837 ppb

response 3673020

(+) = Expected Retention Time

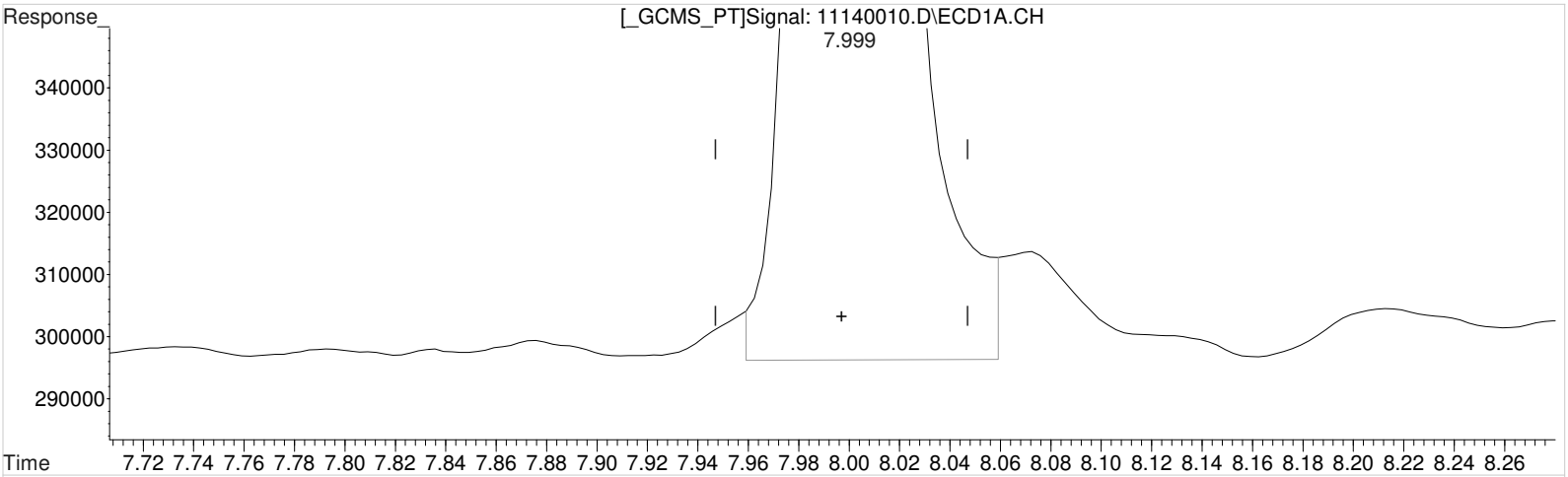
Quantitation Report (Qedit)

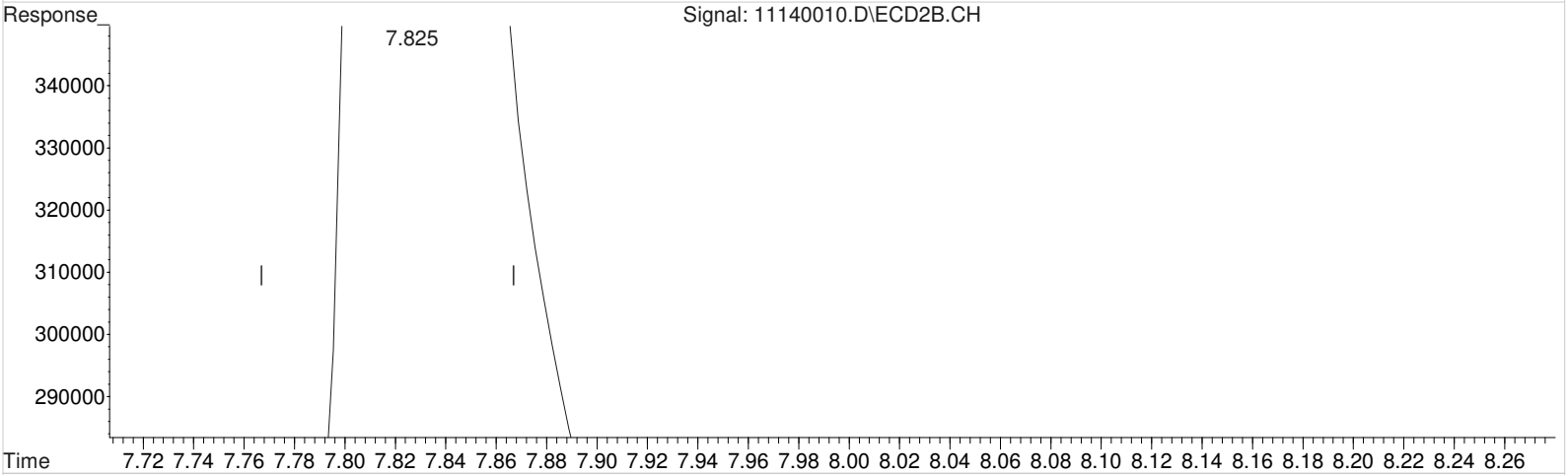
1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140010.D Vial: 8
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 5:42 pm Operator: UA
Sample : K2010068-004 Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 11:24:12 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(2) 2,4-Dichlorophenylacetic Acid (s)

7.999min 79.063 ppb m

response 1438670

Manual Integration:

After

Baseline/Shoulder

11/16/20

(2) 2,4-Dichlorophenylacetic Acid #2 (s)

7.825min 86.837 ppb

response 3673020

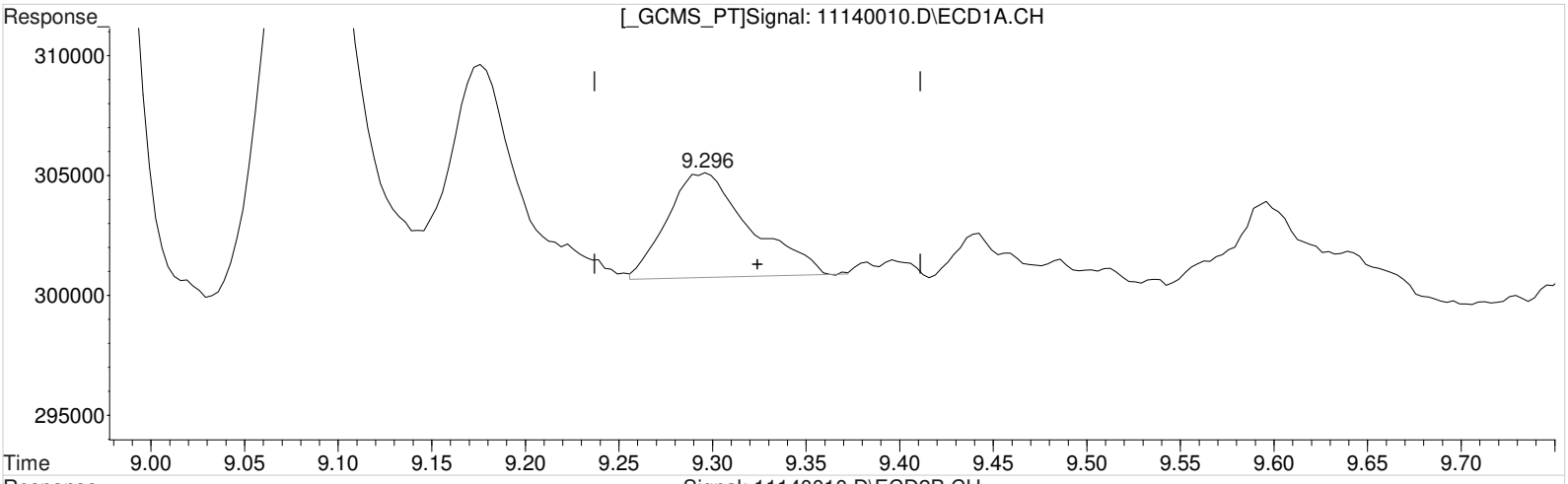
(+) = Expected Retention Time

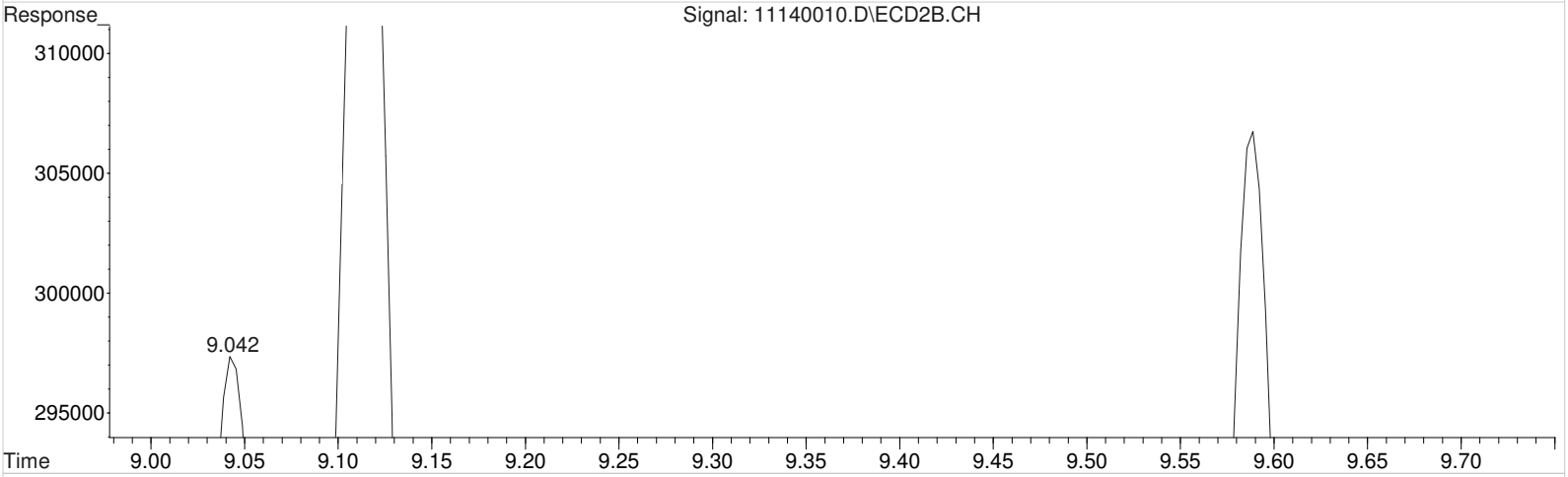
1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140010.D Vial: 8
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 5:42 pm Operator: UA
Sample : K2010068-004 Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 11:24:12 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(7) 2,4-D (m)

9.296min 0.634 ppb

response 13460

Manual Integration:

Before

11/16/20

(7) 2,4-D #2 (m)

9.042min 1.956 ppb

response 100164

(+) = Expected Retention Time

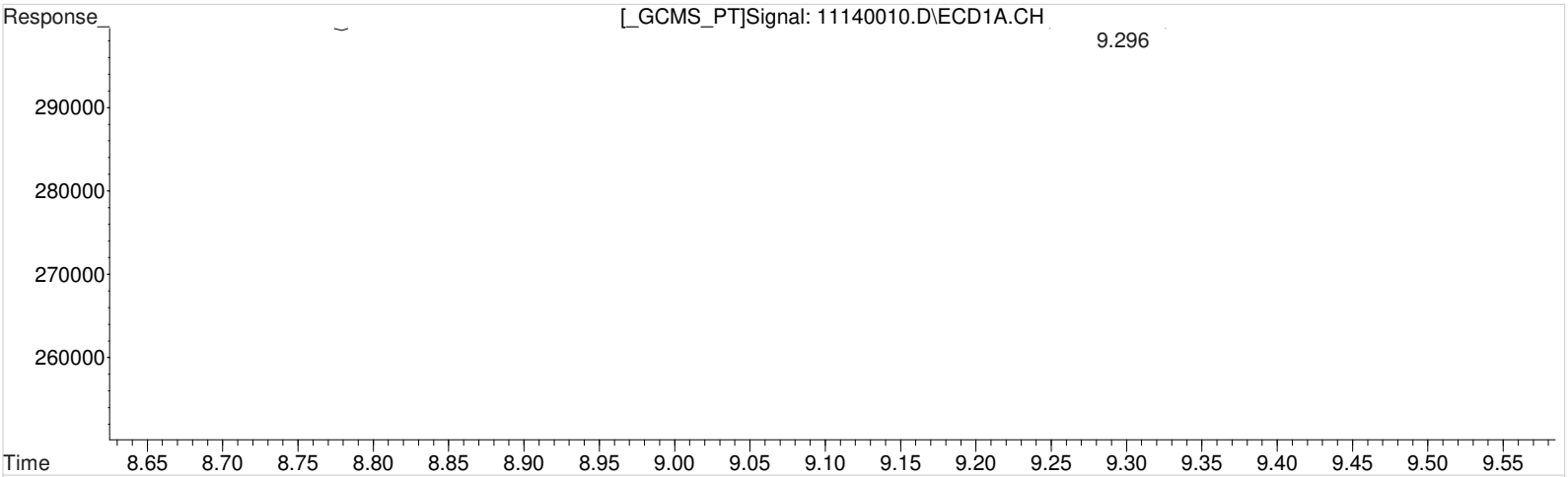
Quantitation Report (Qedit)

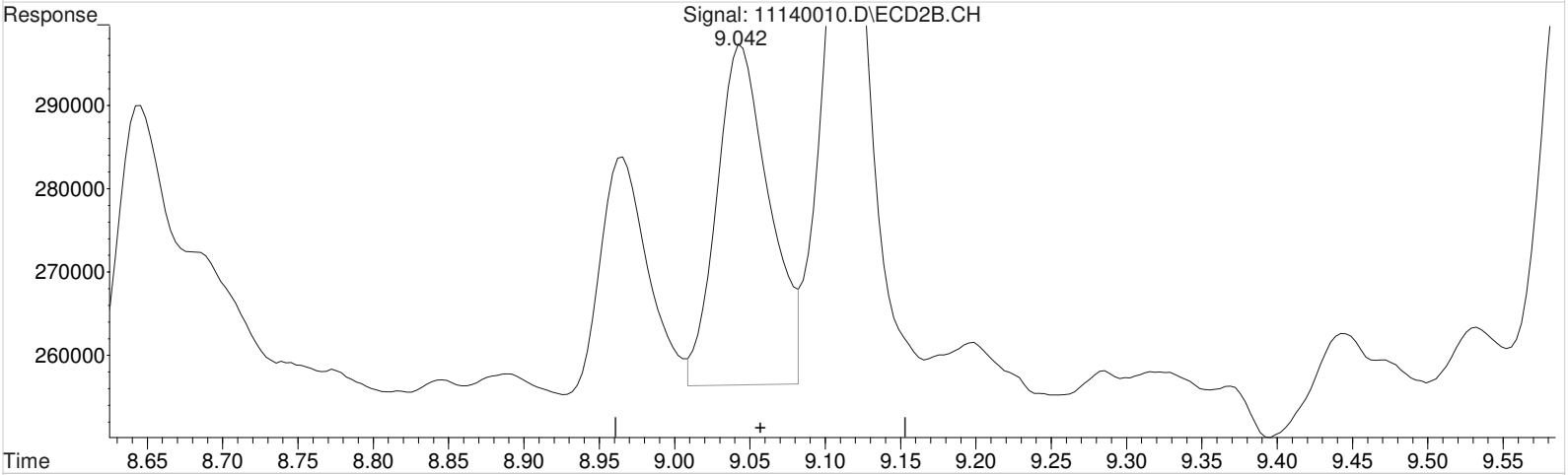
1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140010.D Vial: 8
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 5:42 pm Operator: UA
Sample : K2010068-004 Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 11:24:12 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(7) 2,4-D (m)

9.296min 0.565 ppb m

response 12000

(7) 2,4-D #2 (m)

9.042min 1.956 ppb

response 100164

Manual Integration:

Before

11/16/20

(+) = Expected Retention Time

Quantitation Report (Qedit)

1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140010.D Vial: 8
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
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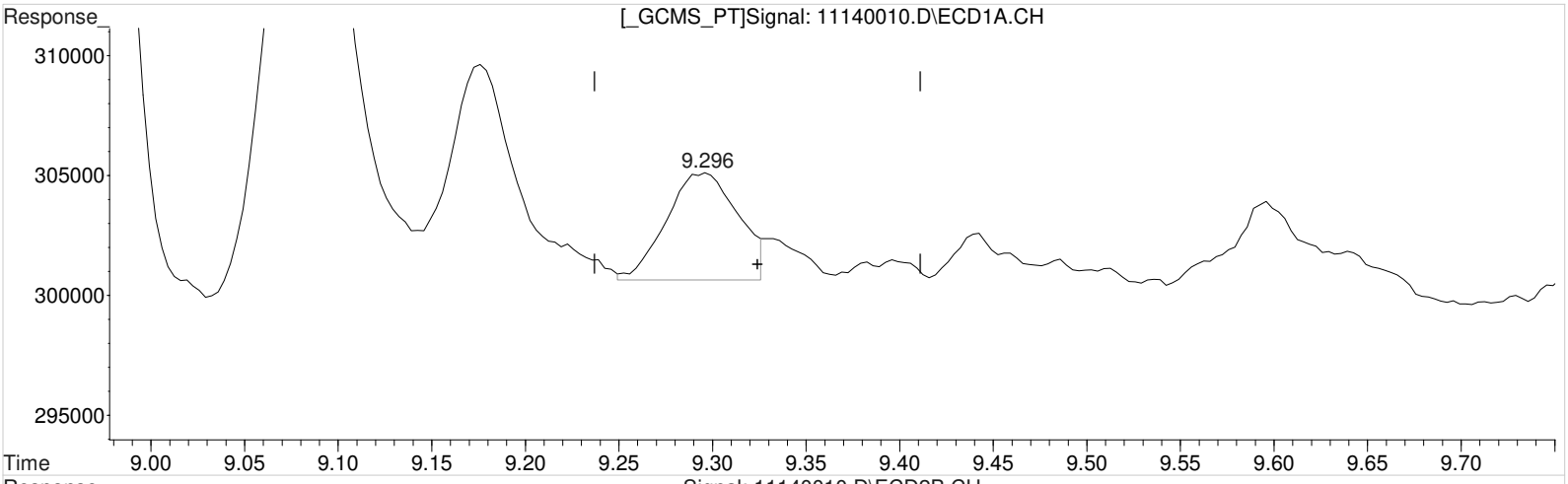
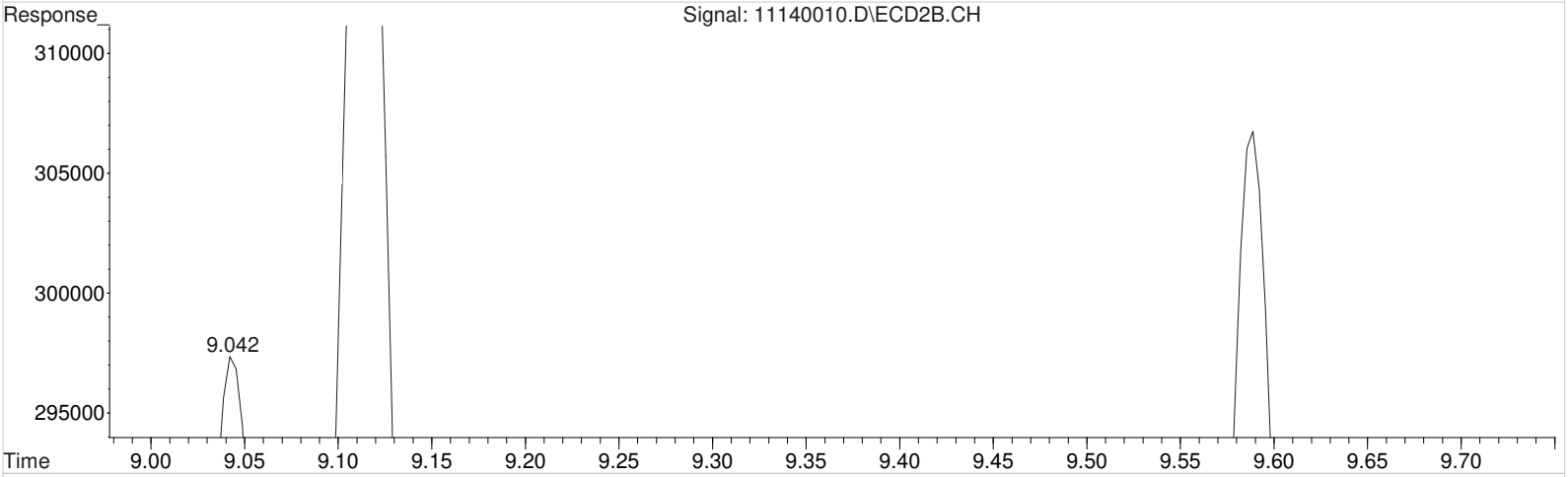
Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(7) 2,4-D (m)

9.296min 0.565 ppb m

response 12000

Manual Integration:

After

Baseline/Shoulder

11/16/20

(7) 2,4-D #2 (m)

9.042min 1.956 ppb

response 100164

(+) = Expected Retention Time

Quantitation Report (Qedit)

1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140010.D Vial: 8
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 5:42 pm Operator: UA
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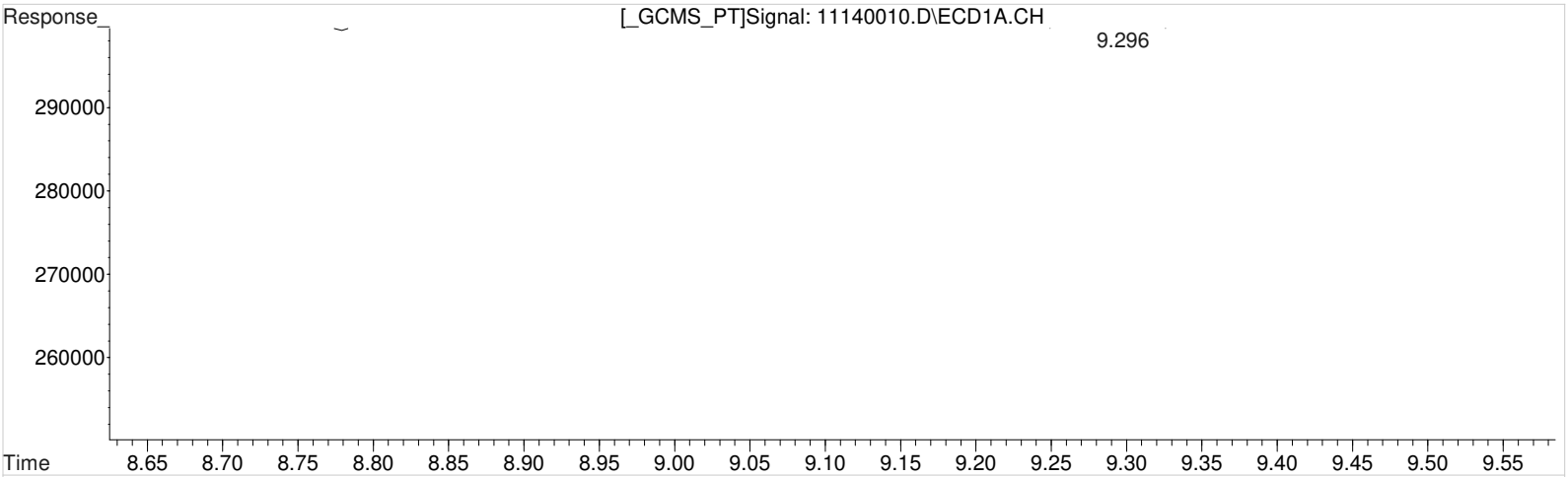
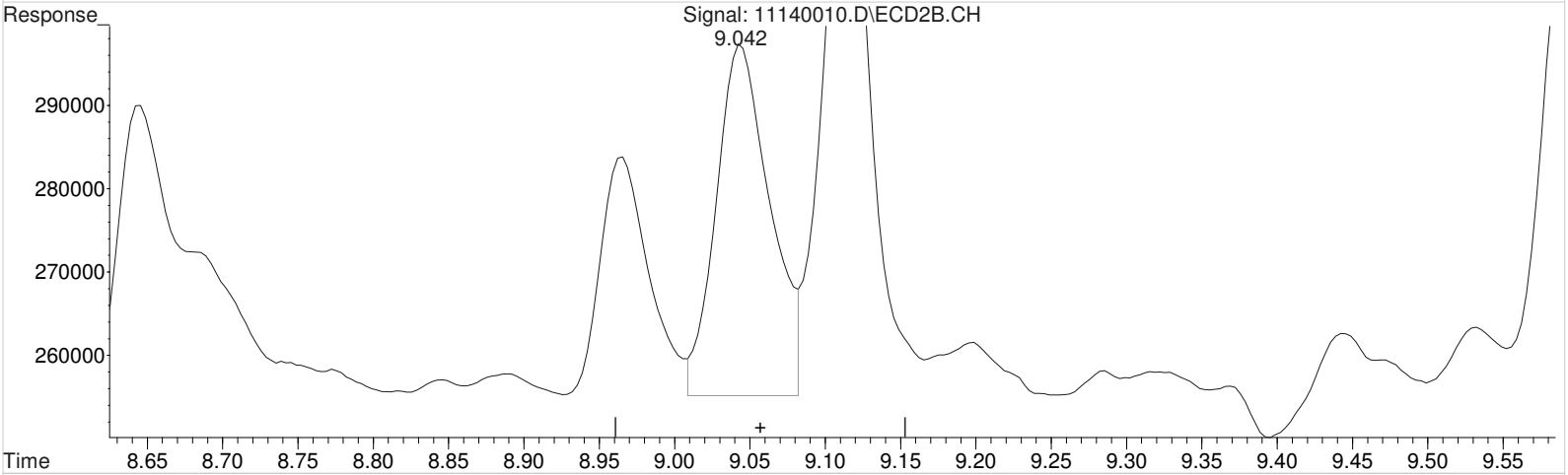
Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(7) 2,4-D (m)

9.296min 0.565 ppb m

response 12000

Manual Integration:

After

Baseline/Shoulder

11/16/20

(7) 2,4-D #2 (m)

9.042min 2.066 ppb m

response 105767

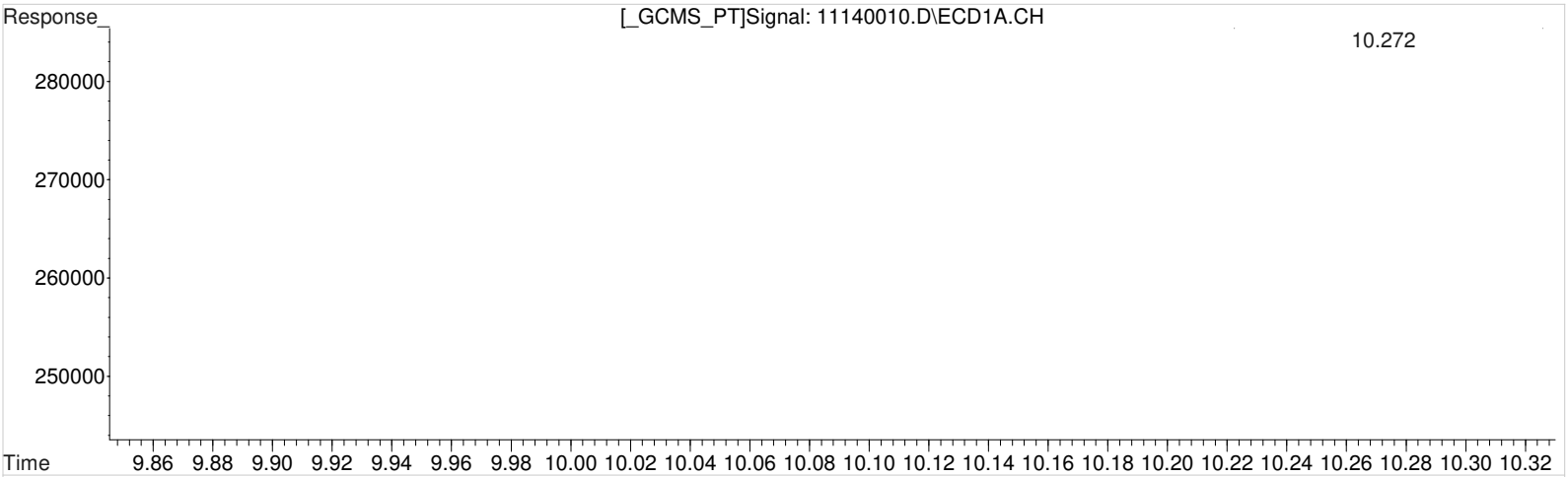
(+) = Expected Retention Time

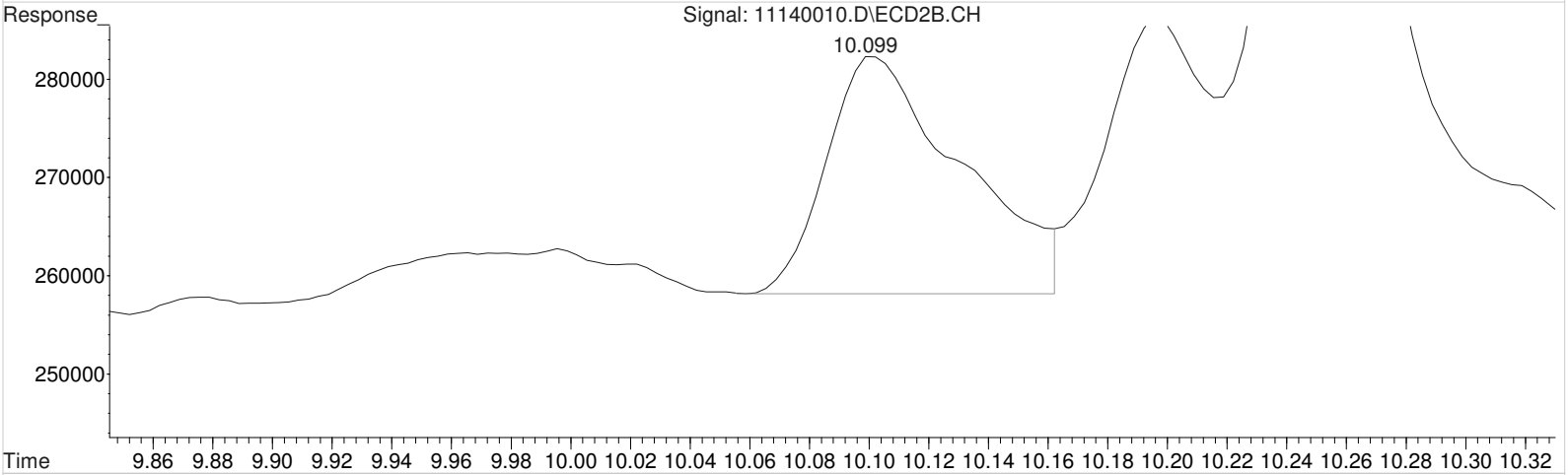
1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140010.D Vial: 8
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 5:42 pm Operator: UA
Sample : K2010068-004 Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 11:24:12 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(8) 2,4,5-TP (Silvex) (m)

10.272min 0.423 ppb

response 39628

Manual Integration:

Before

11/16/20

(8) 2,4,5-TP (Silvex) #2 (m)

10.099min 0.376 ppb

response 76344

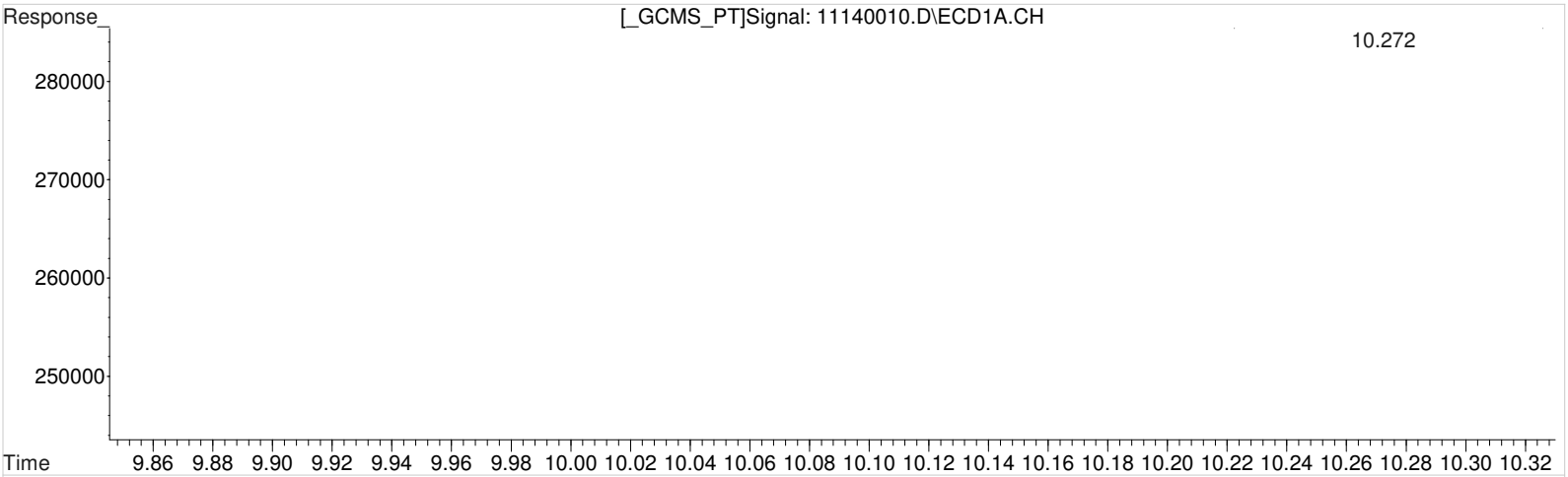
(+) = Expected Retention Time

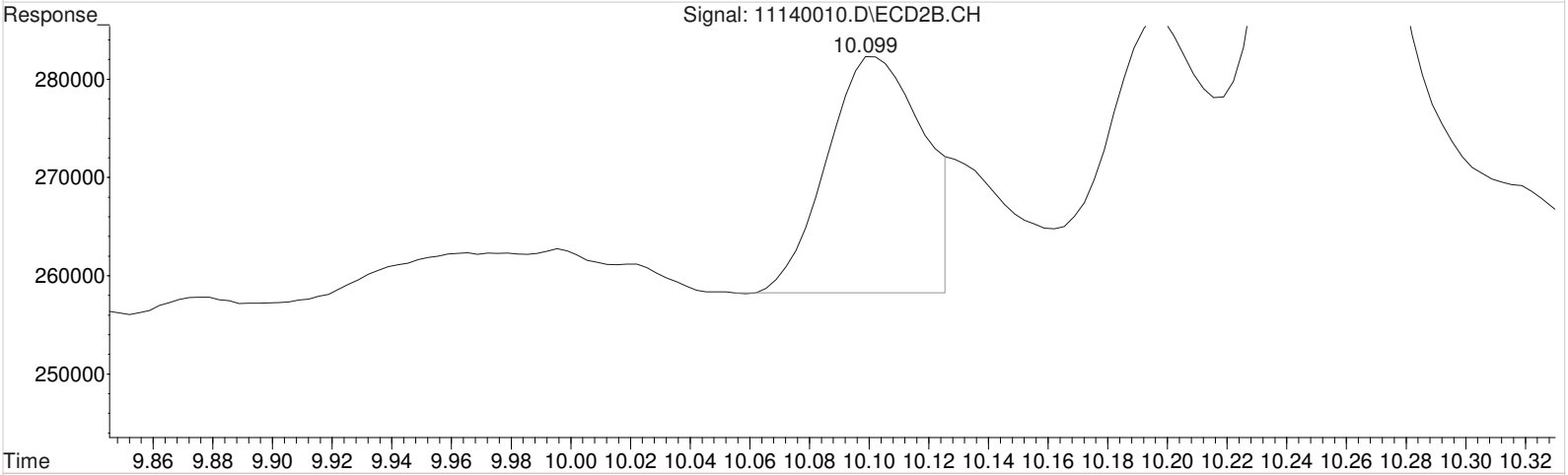
1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140010.D Vial: 8
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 5:42 pm Operator: UA
Sample : K2010068-004 Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 11:24:12 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(8) 2,4,5-TP (Silvex) (m)

10.272min 0.423 ppb

response 39628

Manual Integration:

After

Baseline/Shoulder

11/16/20

(8) 2,4,5-TP (Silvex) #2 (m)

10.099min 0.270 ppb m

response 54819

(+) = Expected Retention Time

1st 11/16/20
2nd UA 11/17/20

Validation Report

Data File: J:\gc24\data\111420\11140011.D\
Lab ID: K2010068-005
RunType: N/A
Matrix: Sediment

Date Acquired: 11/14/20 18:05:00
Batch ID: 703599
Analysis Method: 8151A/HERB

Validations

Validation Categories	Pass	Fail
Preparation Hold Time	X	
Analytical Hold Time	X	
ICAL Analyte Recovery	X	
Second Source ICAL Verification	X	
Continuing Calibration Recovery	X	
Continuing Calibration Recovery (Closing)		X
Lab Control Sample Recovery	X	
Method Blank	X	
Method Blank Surrogates	X	
Surrogates	X	
Std MRL Unsupported by ICAL	X	
Above Highest ICAL Level	X	
Analyte Coelutions	X	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
Continuing Calibration Recovery (Closing) - ZB-XLB-HT	2,4,5-TP	23		20	CCV+ND

Primary Review: _____

Secondary Review: _____

1st 11/16/20
2nd UA 11/17/20

Quantitation Report

Data File:	J:\gc24\data\111420\11140011.D\	**Instrument:**	K-GC-24
Acqu Date:	11/14/20 18:05:00	**Vial:**	11
Run Type:	N/A	**Dilution:**	1
Lab ID:	K2010068-005	**Raw Units:**	ppb

Bottle ID:	K2010068-005.01	**Tier:**	IV	**Matrix:**	Sediment
Prod Code:	HERB	**Collect Date:**	10/28/20	**Receive Date:**	11/3/20

Analysis Lot:	703599	**Prep Lot:**	369146	**Report Group:**	K2010068
Analysis	8151A	**Prep Method:**	Method		
		Prep Date:	11/4/20		

Title:	Chlorinated Herbicides by GC	**Calibration ID:**	KC2000566
		Report List ID:	11736

Surrogate Compounds

Parameter Name	RT 1	RT 2	Resp 1	Resp 2	Solution Conc 1	Solution Conc 2	% Rec 1	% Rec 2	% Rec	% Rec Criteria	Rpt?
DCAA	7.99 -0.01	7.82	1377298	3540427	75.690	83.702	76	84	76	26 - 127	Y

Target Compounds

Final Conc.Units: ug/Kg

Parameter Name	RT 1	RT 2	Resp 1	Resp 2	Solution Conc 1	Solution Conc 2	Final Conc 1	Final Conc 2	Primary Conc	Rpt?
2,4,5-TP	10.26	10.09 -0.05	47052	65503	0.502	0.323 CCV	1.0U	0.66U	3.0 U	Y
2,4-D	9.33 +0.01	9.04 -0.03	4231	75376	0.199	1.472	0.41U	3.0U	9.5 U	Y

Prep Amount:	30.261 g	**Dilution:**	1
Prep Final Amount:	50.00 mL	**Basis Factor:**	81.10

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

Printed: 11/17/20 15:41
\\alprews001\starlims$\LIMSReps\QuantValidation.rpt

Quantitation Report (QT Reviewed)

1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140011.D Vial: 9
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 6:05 pm Operator: UA
Sample : K2010068-005 Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 14:04:10 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
2) s	2,4-Dichl...	7.994	7.820	1377298	3540427	75.690	83.702m
	Target Compounds						
1) m	Dalapon	0.000	0.000	0	0	N.D. d	N.D. d
3) m	Dicamba	0.000	0.000	0	0	N.D. d	N.D. d
4) m	MCPP	0.000	0.000	0	0	N.D. d	N.D. d
5) m	MCPA	0.000	0.000	0	0	N.D. d	N.D. d
6) m	Dichloroprop	0.000	0.000	0	0	N.D. d	N.D. d
7) m	2,4-D	9.327	9.037	4231	75376	0.199	1.472 #
8) m	2,4,5-TP ...	10.264	10.093	47052	65503	0.502m	0.323m#
9) m	2,4,5-T	0.000	0.000	0	0	N.D. d	N.D. d
10) m	2,4-DB	0.000	0.000	0	0	N.D. d	N.D. d
11) m	Dinoseb	0.000	0.000	0	0	N.D. d	N.D. d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140011.D Vial: 9
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 6:05 pm Operator: UA
Sample : K2010068-005 Inst : HP G1530A
Misc : Multiplr: 1.00
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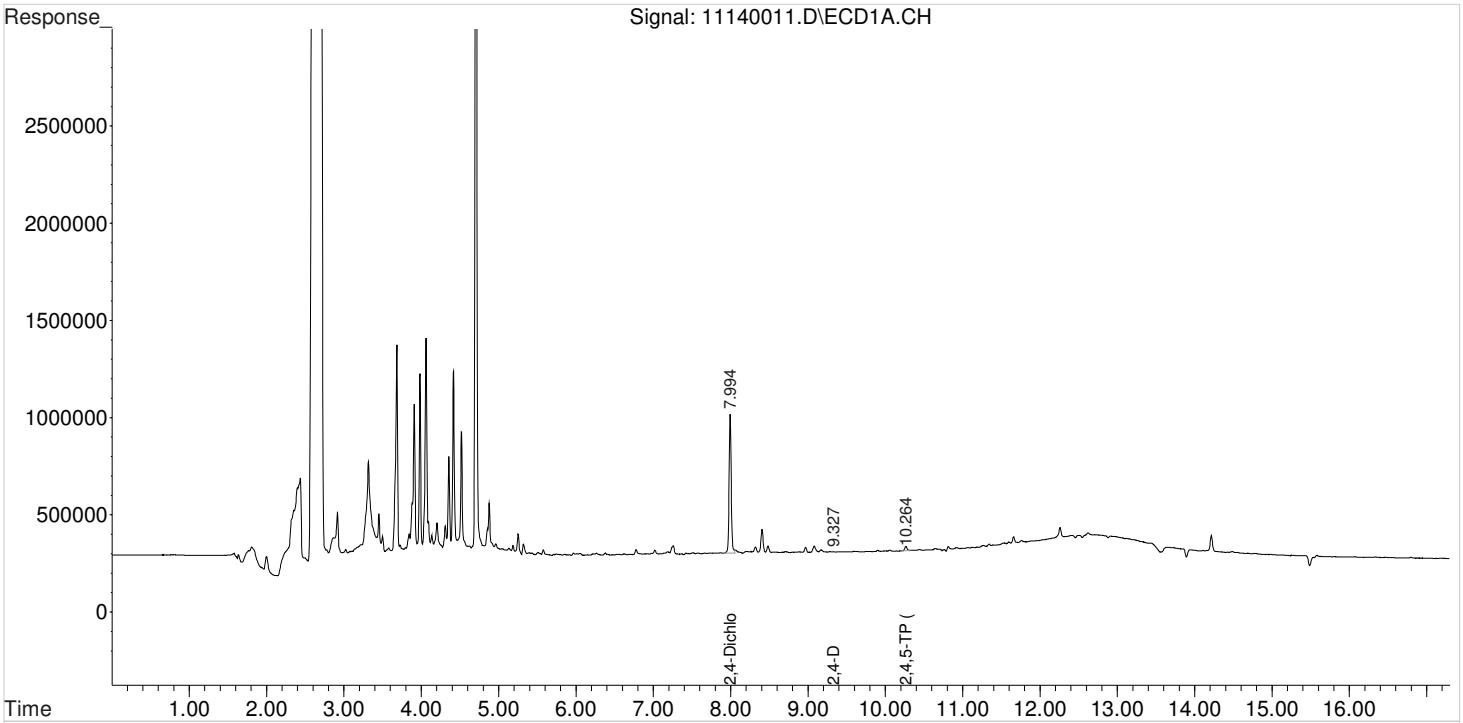
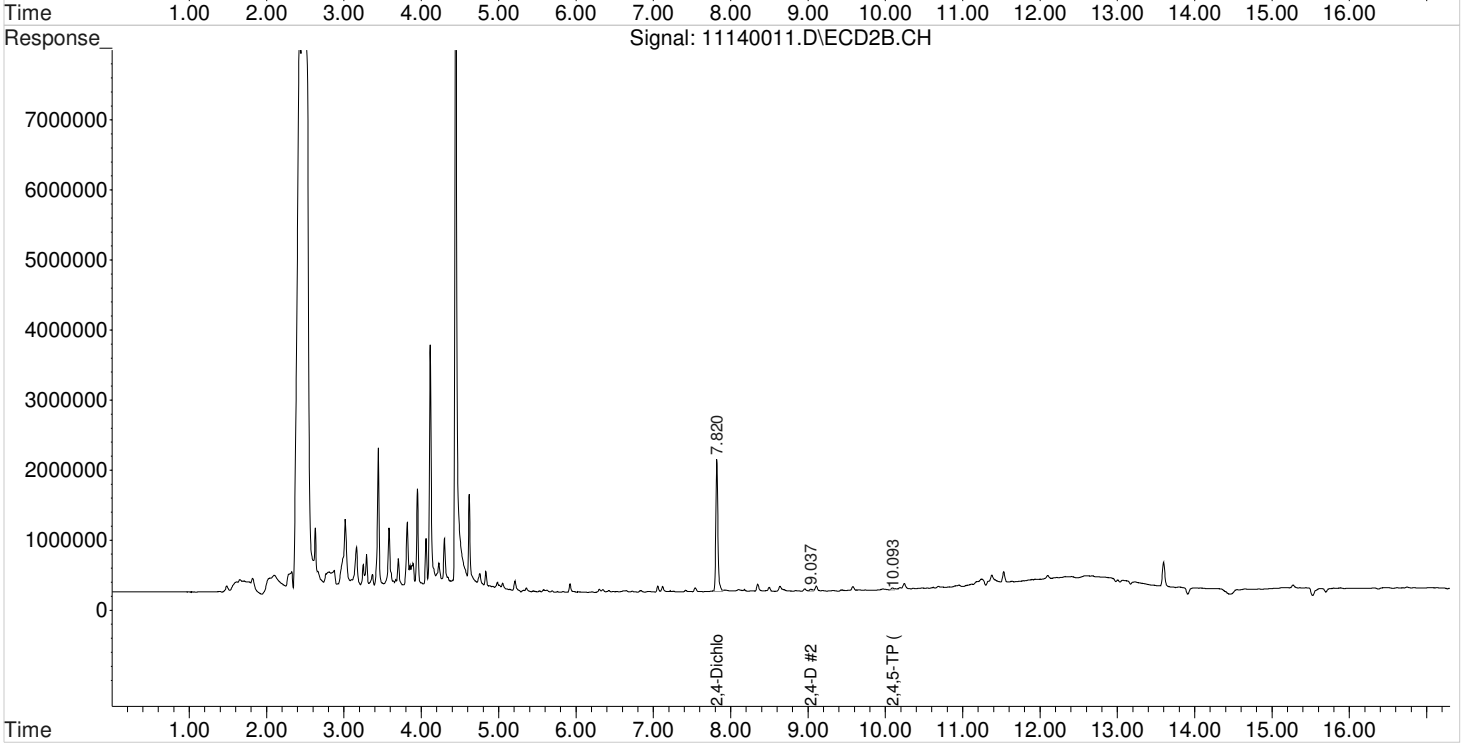
Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140011.D Vial: 9
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
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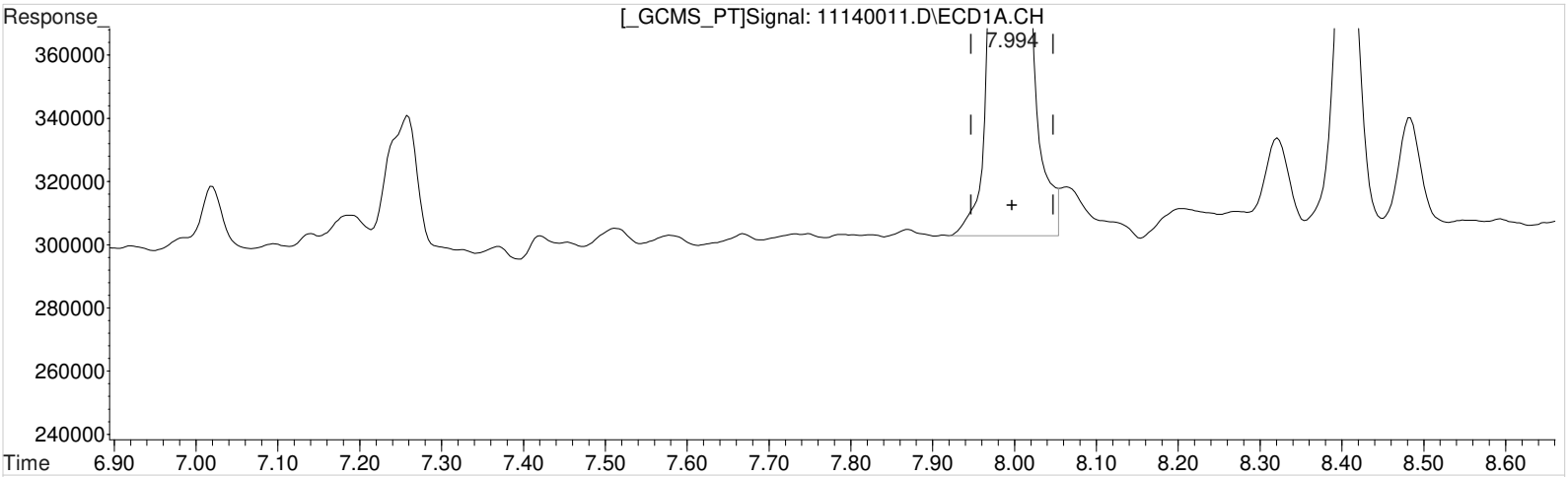
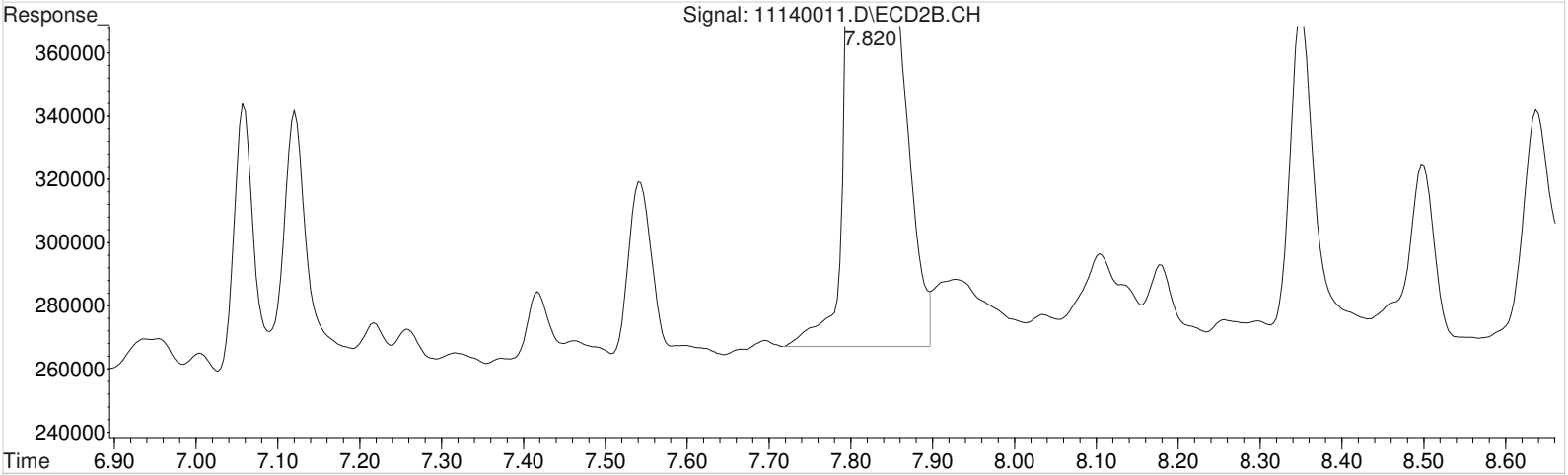
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(2) 2,4-Dichlorophenylacetic Acid (s)

7.994min 75.690 ppb

response 1377298

Manual Integration:

Before

11/16/20

(2) 2,4-Dichlorophenylacetic Acid #2 (s)

7.820min 84.227 ppb

response 3562633

(+) = Expected Retention Time

Quantitation Report (Qedit)

1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140011.D Vial: 9
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 6:05 pm Operator: UA
Sample : K2010068-005 Inst : HP G1530A
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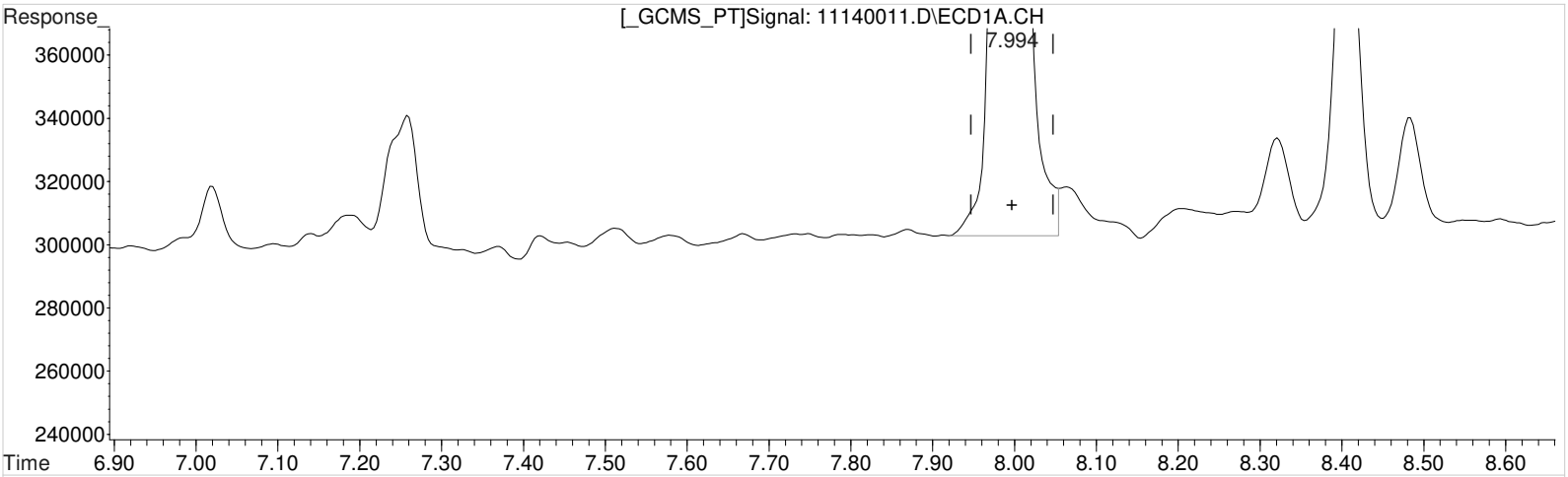
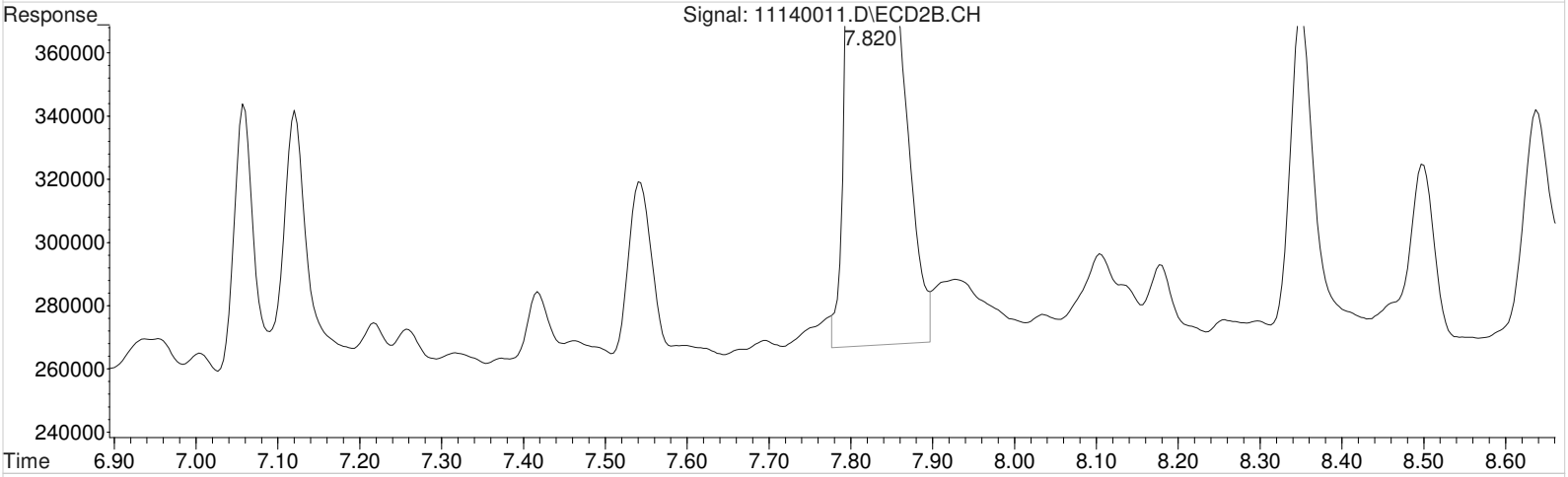
Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(2) 2,4-Dichlorophenylacetic Acid (s)

7.994min 75.690 ppb

response 1377298

Manual Integration:

After

Baseline/Shoulder

11/16/20

(2) 2,4-Dichlorophenylacetic Acid #2 (s)

7.820min 83.702 ppb m

response 3540427

(+) = Expected Retention Time

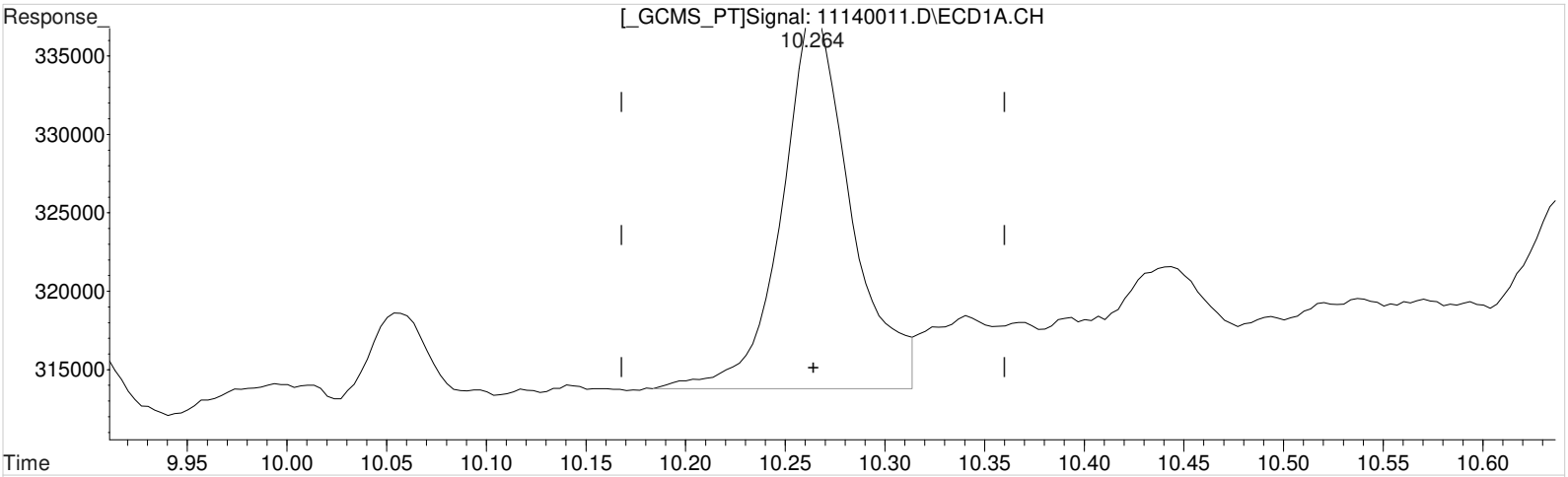
Quantitation Report (Qedit)

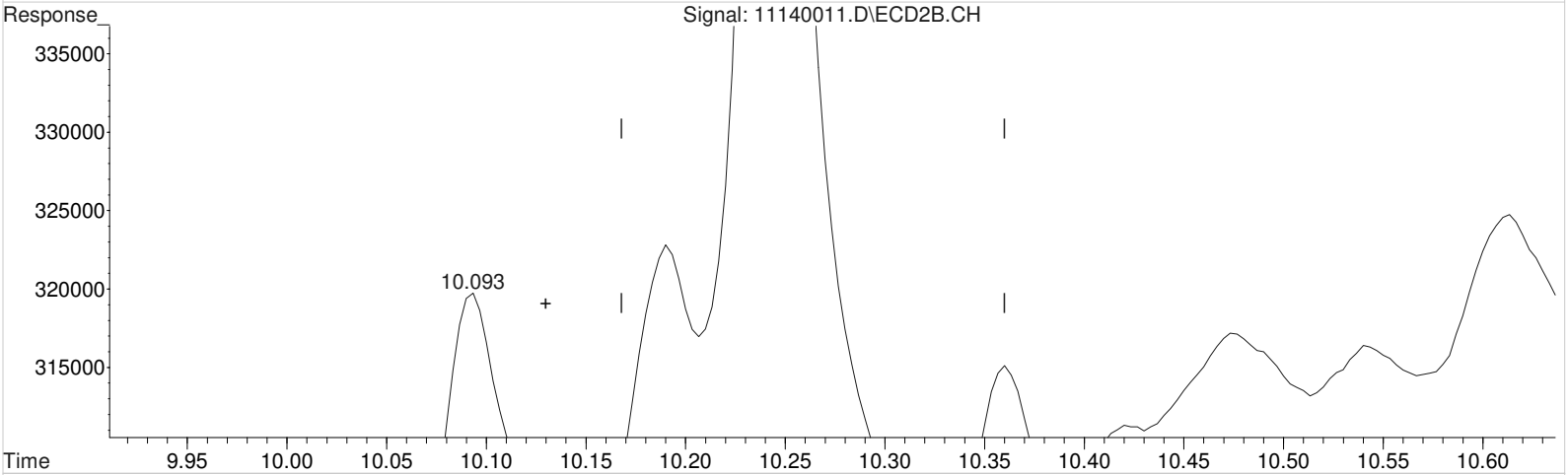
1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140011.D Vial: 9
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 6:05 pm Operator: UA
Sample : K2010068-005 Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 11:24:15 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(8) 2,4,5-TP (Silvex) (m)

10.264min 0.619 ppb

response 57967

Manual Integration:

Before

11/16/20

(8) 2,4,5-TP (Silvex) #2 (m)

10.093min 0.437 ppb

response 88646

(+) = Expected Retention Time

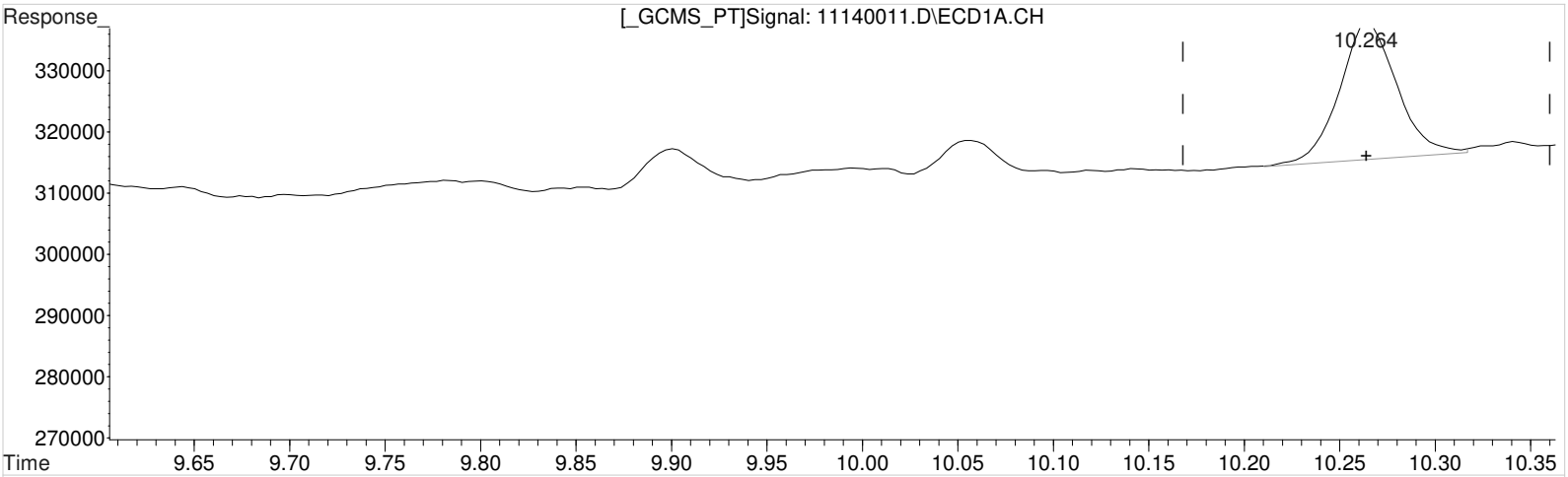
Quantitation Report (Qedit)

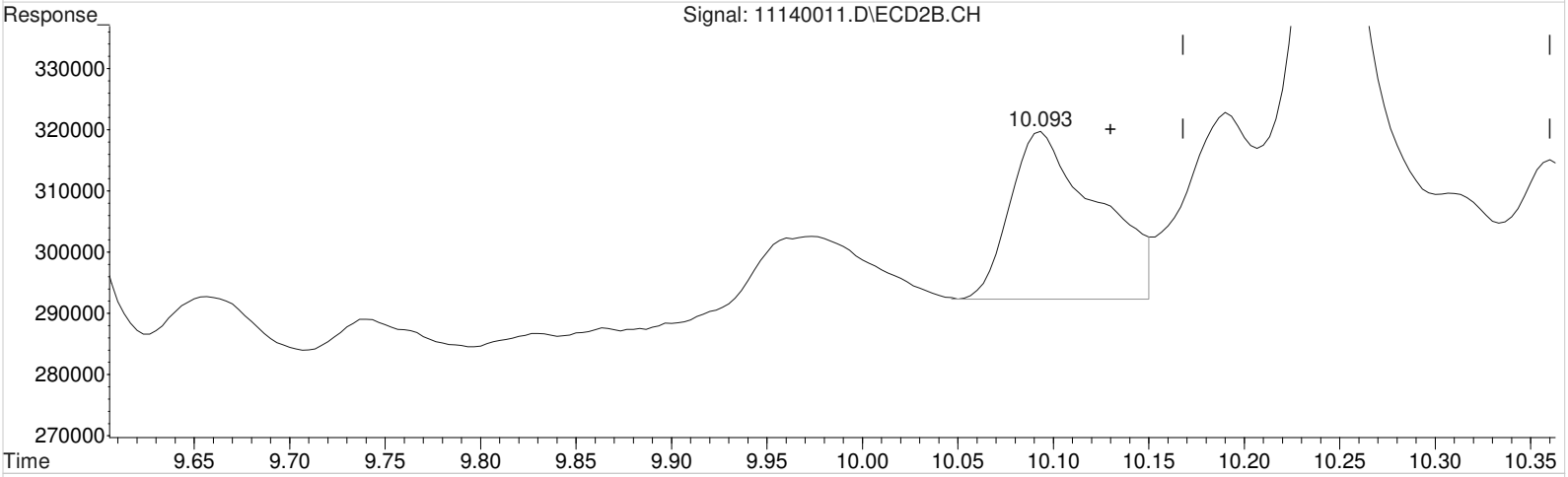
1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140011.D Vial: 9
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 6:05 pm Operator: UA
Sample : K2010068-005 Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 11:24:15 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(8) 2,4,5-TP (Silvex) (m)

10.264min 0.502 ppb m

response 47052

(8) 2,4,5-TP (Silvex) #2 (m)

10.093min 0.437 ppb

response 88646

Manual Integration:

Before

11/16/20

(+) = Expected Retention Time

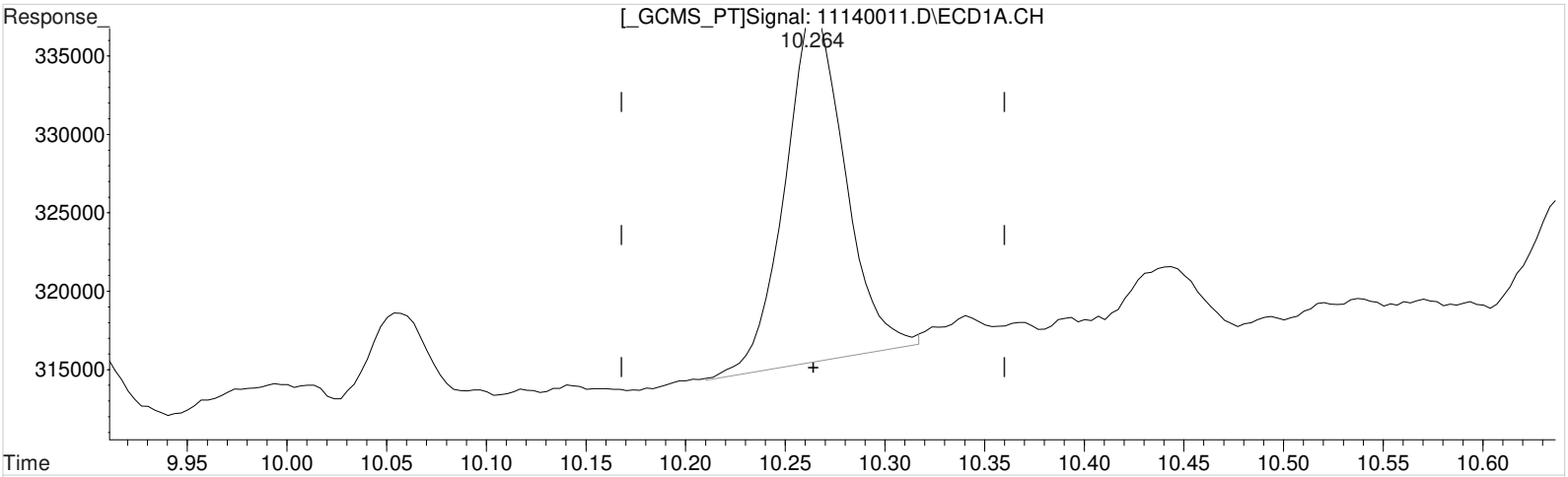
Quantitation Report (Qedit)

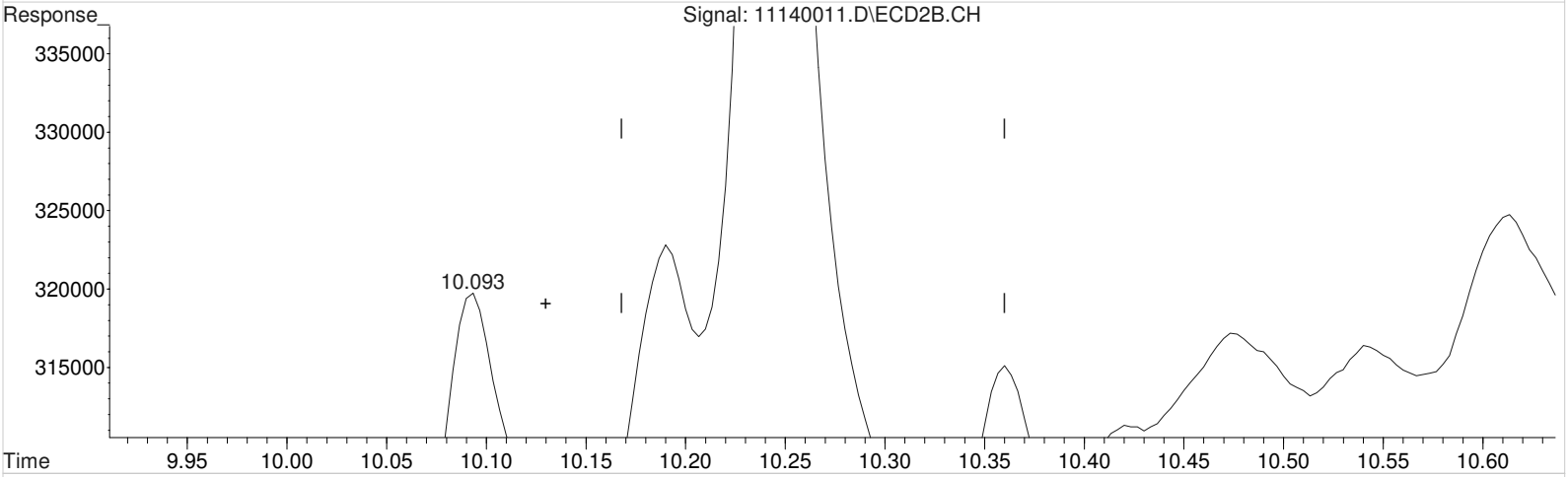
1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140011.D Vial: 9
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 6:05 pm Operator: UA
Sample : K2010068-005 Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 11:24:15 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(8) 2,4,5-TP (Silvex) (m)

10.264min 0.502 ppb m

response 47052

Manual Integration:

After

Baseline/Shoulder

11/16/20

(8) 2,4,5-TP (Silvex) #2 (m)

10.093min 0.437 ppb

response 88646

(+) = Expected Retention Time

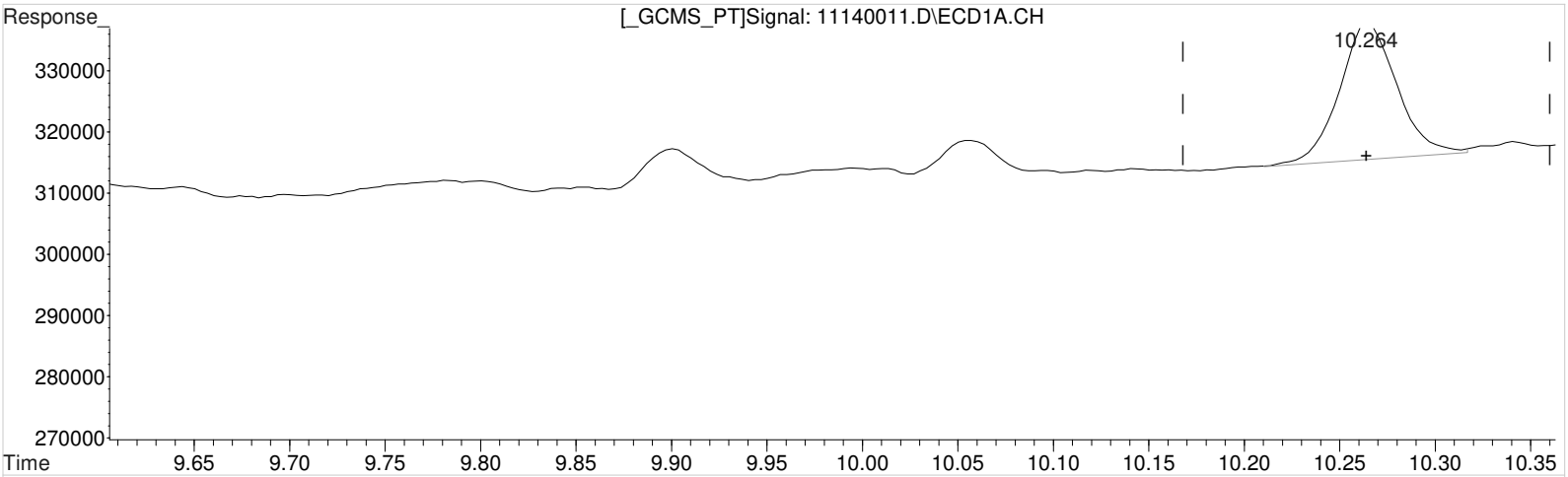
Quantitation Report (Qedit)

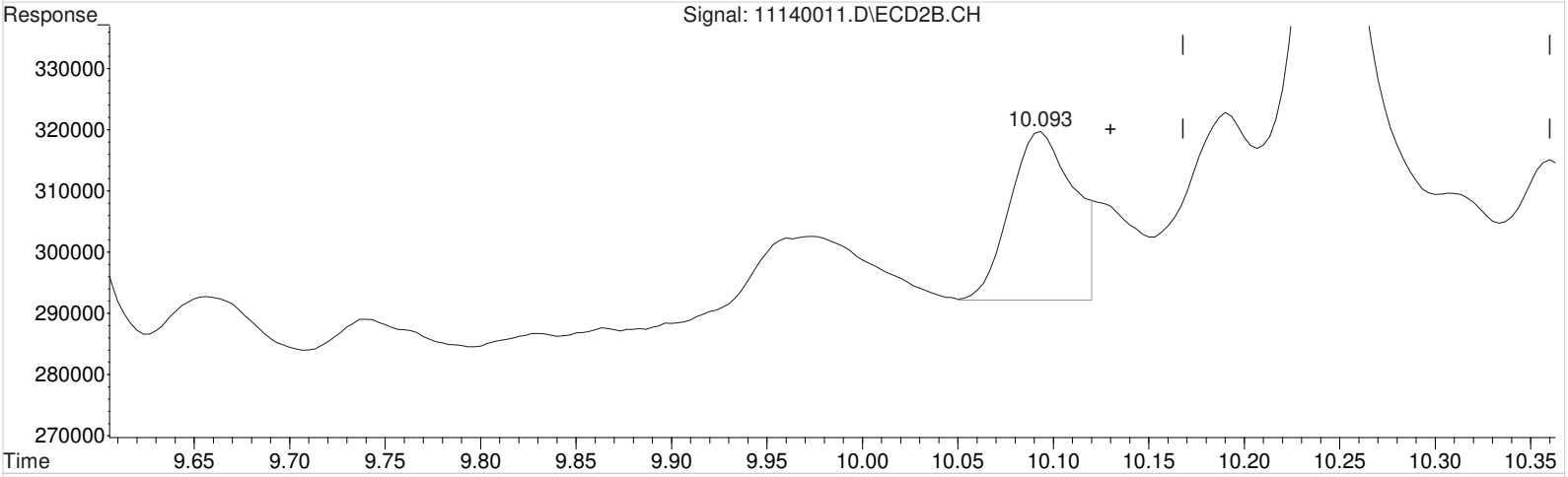
1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140011.D Vial: 9
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 6:05 pm Operator: UA
Sample : K2010068-005 Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 11:24:15 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(8) 2,4,5-TP (Silvex) (m)

10.264min 0.502 ppb m

response 47052

Manual Integration:

After

Baseline/Shoulder

11/16/20

(8) 2,4,5-TP (Silvex) #2 (m)

10.093min 0.323 ppb m

response 65503

(+) = Expected Retention Time

1st 11/16/20
2nd UA 11/17/20

Validation Report

Data File: J:\gc24\data\111420\11140012.D\
Lab ID: K2010068-006
RunType: N/A
Matrix: Sediment

Date Acquired: 11/14/20 18:28:00
Batch ID: 703599
Analysis Method: 8151A/HERB

Validations

Validation Categories	Pass	Fail
Preparation Hold Time	X	
Analytical Hold Time	X	
ICAL Analyte Recovery	X	
Second Source ICAL Verification	X	
Continuing Calibration Recovery	X	
Continuing Calibration Recovery (Closing)		X
Lab Control Sample Recovery	X	
Method Blank	X	
Method Blank Surrogates	X	
Surrogates	X	
Std MRL Unsupported by ICAL	X	
Above Highest ICAL Level	X	
Analyte Coelutions	X	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
Continuing Calibration Recovery (Closing) - ZB-XLB-HT	2,4,5-TP	23		20	CCV+ND

Primary Review: _____

Secondary Review: _____

1st 11/16/20
2nd UA 11/17/20

Quantitation Report

Data File:	J:\gc24\data\111420\11140012.D\	**Instrument:**	K-GC-24
Acqu Date:	11/14/20 18:28:00	**Vial:**	12
Run Type:	N/A	**Dilution:**	1
Lab ID:	K2010068-006	**Raw Units:**	ppb

Bottle ID:	K2010068-006.01	**Tier:**	IV	**Matrix:**	Sediment
Prod Code:	HERB	**Collect Date:**	10/28/20	**Receive Date:**	11/3/20

Analysis Lot:	703599	**Prep Lot:**	369146	**Report Group:**	K2010068
Analysis	8151A	**Prep Method:**	Method		
		Prep Date:	11/4/20		

Title:	Chlorinated Herbicides by GC	**Calibration ID:**	KC2000566
		Report List ID:	11736

Surrogate Compounds

Parameter Name	RT 1	RT 2	Resp 1	Resp 2	Solution Conc 1	Solution Conc 2	% Rec 1	% Rec 2	% Rec	% Rec Criteria	Rpt?
DCAA	8.00	7.83 +0.01	1124089	2910536	61.775	68.810	62	69	62	26 - 127	Y

Target Compounds

Final Conc.Units: ug/Kg

Parameter Name	RT 1	RT 2	Resp 1	Resp 2	Solution Conc 1	Solution Conc 2	Final Conc 1	Final Conc 2	Primary Conc	Rpt?
2,4,5-TP	10.27 +0.01	10.14	33336	23583	0.356	0.116 CCV	0.70U	0.23U	2.9 U	Y
2,4-D	9.30 -0.02	9.05 -0.02	18336	63557	0.863	1.241	1.7U	2.5U	9.2 U	Y

Prep Amount:	30.040 g	**Dilution:**	1
Prep Final Amount:	50.00 mL	**Basis Factor:**	84.30

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

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Quantitation Report (QT Reviewed)

1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140012.D Vial: 10
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 6:28 pm Operator: UA
Sample : K2010068-006 Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 14:08:20 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
2) s	2,4-Dichl...	7.998	7.828	1124089	2910536	61.775m	68.810
	Target Compounds						
1) m	Dalapon	0.000	0.000	0	0	N.D. d	N.D. d
3) m	Dicamba	0.000	0.000	0	0	N.D. d	N.D. d
4) m	MCPP	0.000	0.000	0	0	N.D. d	N.D. d
5) m	MCPA	0.000	0.000	0	0	N.D. d	N.D. d
6) m	Dichloroprop	0.000	0.000	0	0	N.D. d	N.D. d
7) m	2,4-D	9.298	9.048	18336	63557	0.863	1.241 #
8) m	2,4,5-TP ...	10.272	10.141	33336	23583	0.356	0.116 #
9) m	2,4,5-T	0.000	0.000	0	0	N.D. d	N.D. d
10) m	2,4-DB	0.000	0.000	0	0	N.D. d	N.D. d
11) m	Dinoseb	0.000	0.000	0	0	N.D. d	N.D. d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

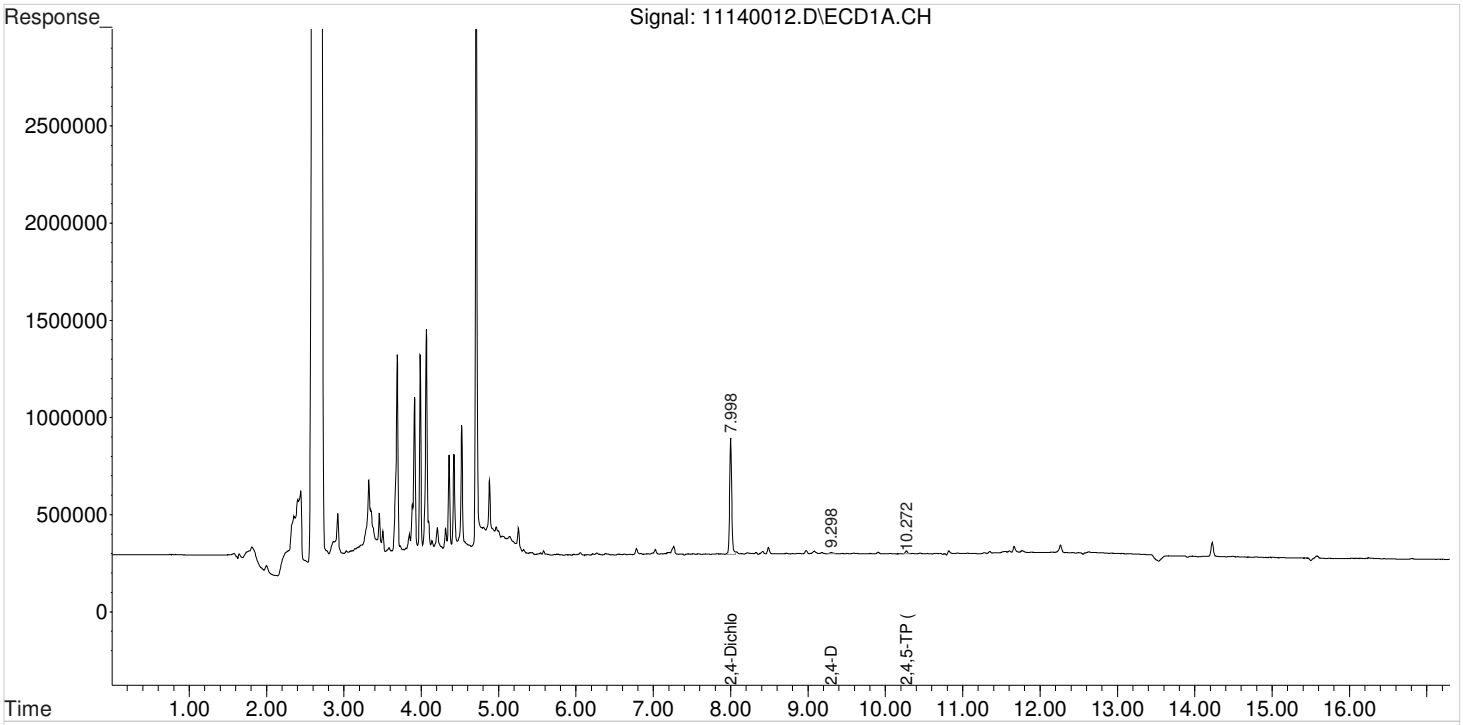
Quantitation Report (QT Reviewed)

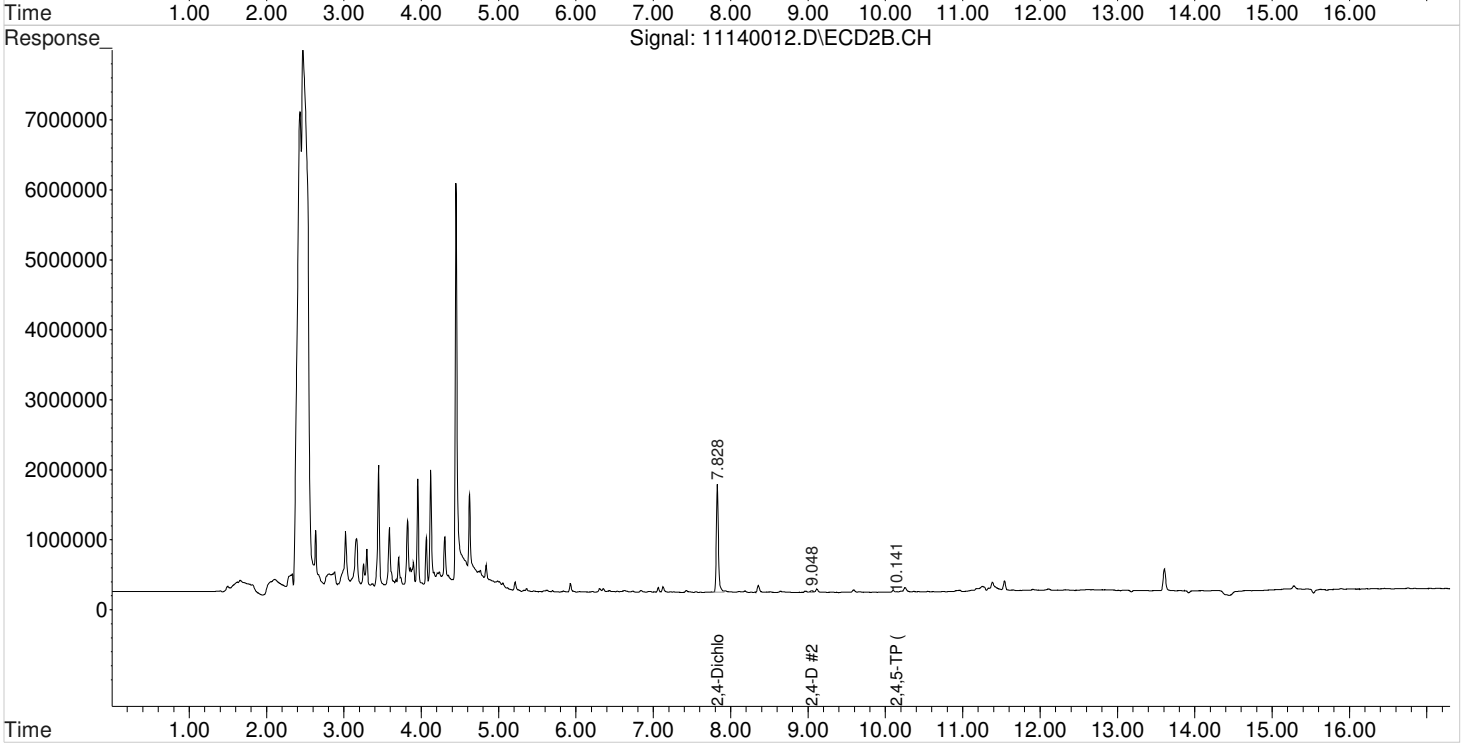
1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140012.D Vial: 10
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 6:28 pm Operator: UA
Sample : K2010068-006 Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 14:08:20 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





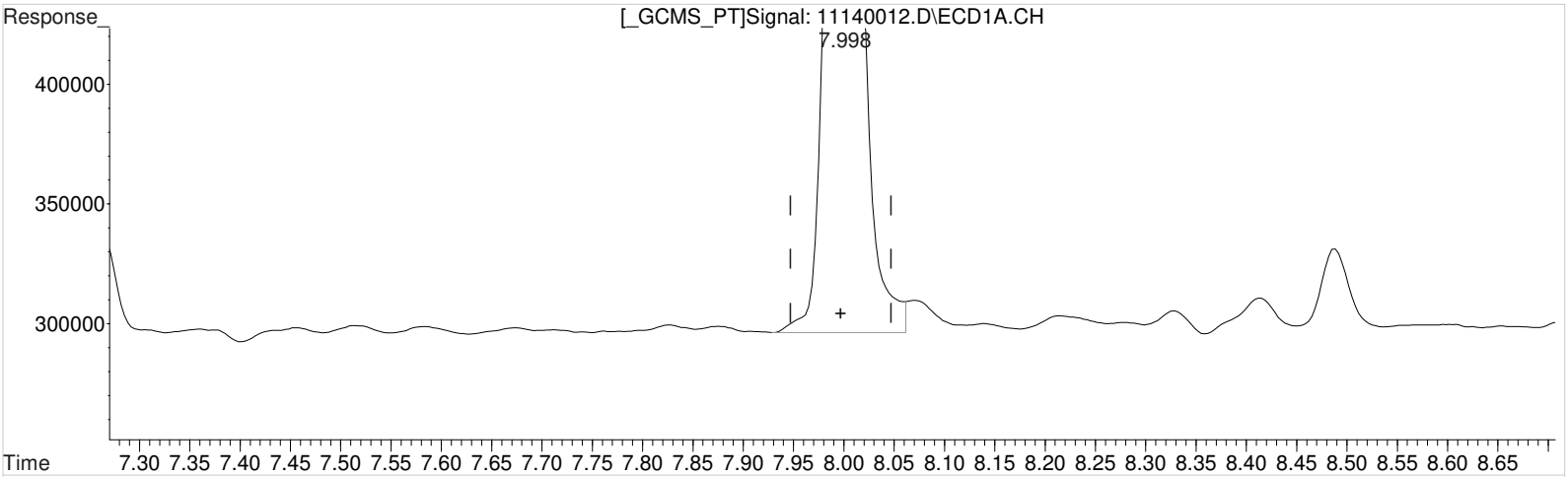
Quantitation Report (Qedit)

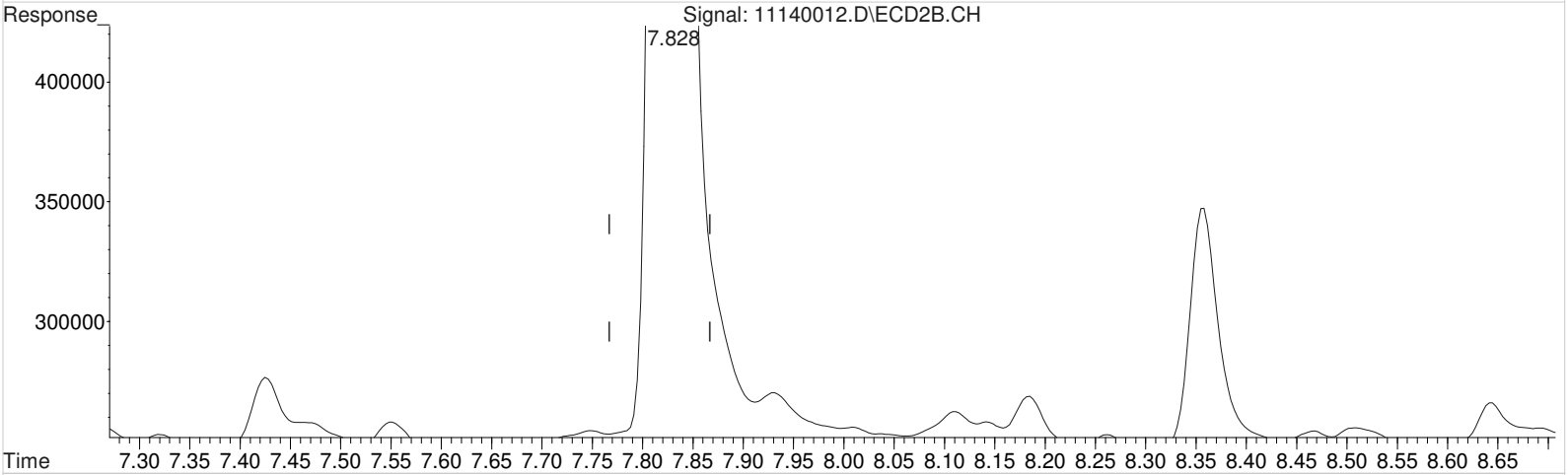
1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140012.D Vial: 10
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 6:28 pm Operator: UA
Sample : K2010068-006 Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 11:24:18 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(2) 2,4-Dichlorophenylacetic Acid (s)

7.998min 61.961 ppb

response 1127473

Manual Integration:

Before

11/16/20

(2) 2,4-Dichlorophenylacetic Acid #2 (s)

7.828min 68.810 ppb

response 2910536

(+) = Expected Retention Time

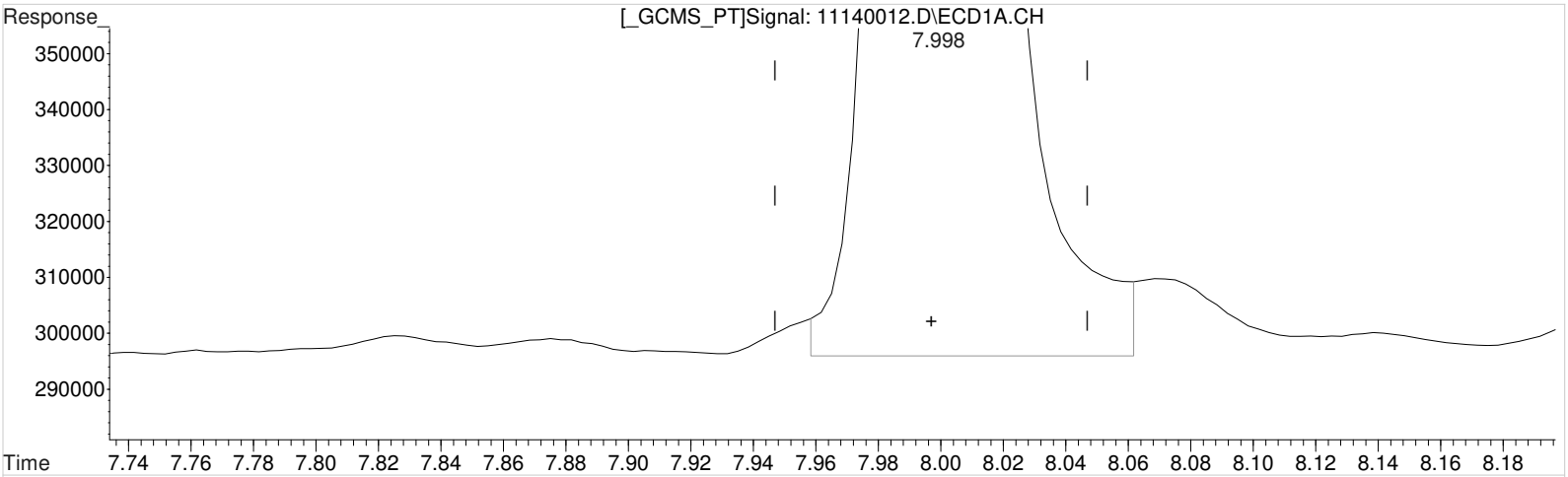
Quantitation Report (Qedit)

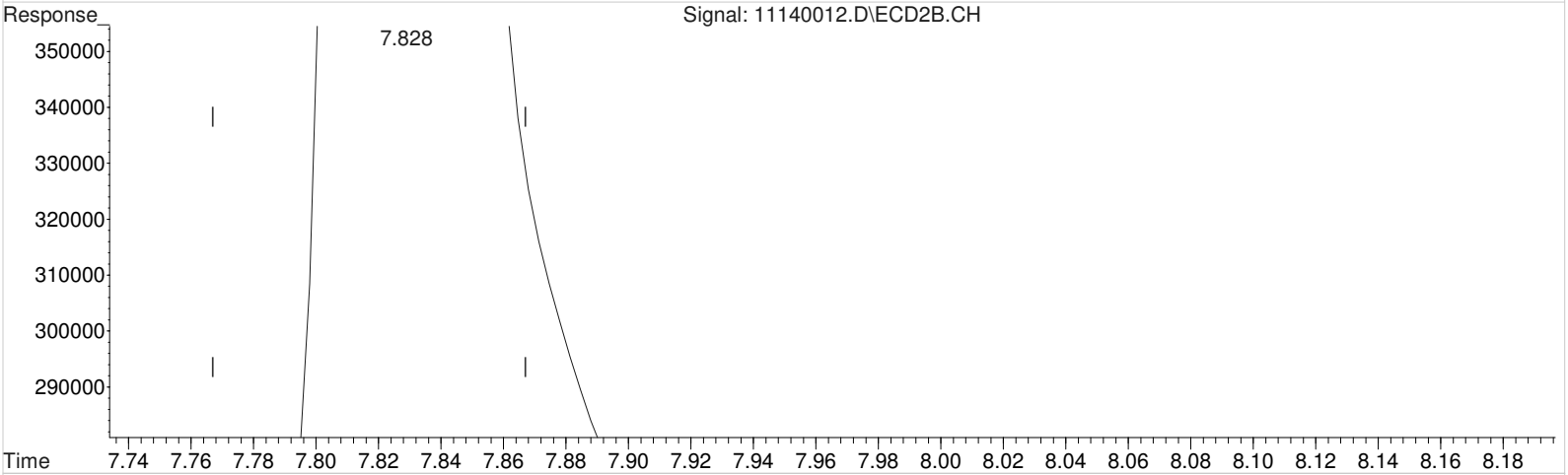
1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140012.D Vial: 10
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 6:28 pm Operator: UA
Sample : K2010068-006 Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 11:24:18 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(2) 2,4-Dichlorophenylacetic Acid (s)

7.998min 61.775 ppb m

response 1124089

Manual Integration:

After

Baseline/Shoulder

11/16/20

(2) 2,4-Dichlorophenylacetic Acid #2 (s)

7.828min 68.810 ppb

response 2910536

(+) = Expected Retention Time

1st 11/16/20
2nd UA 11/17/20

Validation Report

Data File: J:\gc24\data\111420\11140005.D\
Lab ID: KQ2017246-04
RunType: MB
Matrix: Sediment

Date Acquired: 11/14/20 15:47:00
Batch ID: 703599
Analysis Method: 8151A/HERB

Validations

Validation Categories	Pass	Fail
Analytical Hold Time	X	
ICAL Analyte Recovery	X	
Second Source ICAL Verification	X	
Continuing Calibration Recovery		X
Continuing Calibration Recovery (Closing)		X
Surrogates	X	
Std MRL Unsupported by ICAL	X	
Above Highest ICAL Level	X	
Analyte Coelutions	X	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
Continuing Calibration Recovery - ZB-XLB-HT	MCPA	23		20	CCV+ND
	MCPP	24		20	
Continuing Calibration Recovery (Closing) - ZB-XLB-HT	2,4,5-TP (Silvex)	23		20	
	MCPA	26		20	
	MCPP	25		20	

Primary Review: _____

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Secondary Review: _____

1st 11/16/20
2nd UA 11/17/20

Quantitation Report

Data File:	J:\gc24\data\111420\11140005.D\	**Instrument:**	K-GC-24
Acqu Date:	11/14/20 15:47:00	**Vial:**	17
Run Type:	MB	**Dilution:**	1
Lab ID:	KQ2017246-04	**Raw Units:**	ppb

Bottle ID:		**Tier:**	IV	**Matrix:**	Sediment
Prod Code:	HERB	**Collect Date:**	10/28/20	**Receive Date:**	11/3/20

Analysis Lot:	703599	**Prep Lot:**	369146	**Report Group:**	KQ2017246
Analysis	8151A	**Prep Method:**	Method		
		Prep Date:	11/4/20		

Title:	Chlorinated Herbicides by GC	**Calibration ID:**	KC2000566
		Report List ID:	11736

Surrogate Compounds

Parameter Name	RT 1	RT 2	Resp 1	Resp 2	Solution Conc 1	Solution Conc 2	% Rec 1	% Rec 2	% Rec	% Rec Criteria	Rpt?
DCAA	7.99 -0.01	7.82	1231071	3096444	67.654	73.206				26 - 127	Y

Target Compounds

Final Conc.Units: ug/Kg

Parameter Name	RT 1	RT 2	Resp 1	Resp 2	Solution Conc 1	Solution Conc 2	Final Conc 1	Final Conc 2	Primary Conc	Rpt?
2,4,5-TP	10.26	10.09 -0.05	39622	50600	0.423	0.249 CCV	0.71U	0.42U	2.4 U	Y
2,4-D	9.28 -0.04	9.03 -0.04	14060	97506	0.662	1.904	1.1U	3.2U	7.7 U	Y

Prep Amount:	30.00 g	**Dilution:**	1
Prep Final Amount:	50.00 mL	**Basis Factor:**	100.00

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

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1st 11/16/20
2nd UA 11/17/20

Quantitation Report

Data File:	J:\gc24\data\111420\11140005.D\	**Instrument:**	K-GC-24
Acqu Date:	11/14/20 15:47:00	**Vial:**	17
Run Type:	MB	**Dilution:**	1
Lab ID:	KQ2017246-04	**Raw Units:**	ppb

Bottle ID:		**Tier:**	IV	**Matrix:**	Sediment
Prod Code:	HERB	**Collect Date:**	10/28/20	**Receive Date:**	11/3/20

Analysis Lot:	703599	**Prep Lot:**	369146	**Report Group:**	KQ2017246
Analysis	8151A	**Prep Method:**	Method		
		Prep Date:	11/4/20		

Title:	Chlorinated Herbicides by GC	**Calibration ID:**	KC2000566
		Report List ID:	18726

Surrogate Compounds

Parameter Name	RT 1	RT 2	Resp 1	Resp 2	Solution Conc 1	Solution Conc 2	% Rec 1	% Rec 2	% Rec	% Rec Criteria	Rpt?
2,4-Dichlorophenylacetic Acid	7.99 -0.01	7.82	1231071	3096444	67.654	73.206	68	73	68	26 - 127	Y

Target Compounds

Final Conc.Units: ug/Kg

Parameter Name	RT 1	RT 2	Resp 1	Resp 2	Solution Conc 1	Solution Conc 2	Final Conc 1	Final Conc 2	Primary Conc	Rpt?
2,4,5-T	10.69 -0.02	10.54	4815	12993	0.058	0.068	0.097U	0.11U	4.0 U	Y
2,4,5-TP (Silvex)	10.26	10.09 -0.05	39622	50600	0.423	0.249CCV	0.71U	0.42U	2.4 U	Y
2,4-D	9.28 -0.04	9.03 -0.04	14060	97506	0.662	1.904	1.1U	3.2U	7.7 U	Y
2,4-DB	11.25 -0.04	11.17 -0.01	13063	46252	1.273	1.594	2.1U	2.7U	5.4 U	Y
Dalapon	3.14 +0.01	2.88	6983	476480	0.288	9.862	0.48U	16J	5.5 U	Y
Dicamba	8.22	7.92 -0.01	695	49576	0.010	0.334	0.017U	0.56U	4.3 U	Y
Dichlorprop	8.96 -0.01	8.74 -0.02	41783	9997	2.241	0.240	3.7J	0.40U	3.4 U	Y
Dinoseb	11.65 -0.04	11.32 -0.01	67162	37176	1.086	0.272	1.8U	0.45U	2.7 U	Y
MCPA	8.63 +0.06	0.00	4150	228284	70.877	0.000CCV	120U	0U	320 U	Y
MCPP	8.32 +0.02	0.00	10199	10526	728.251	0.000CCV	1200J	0U	460 U	Y

Prep Amount:	30.00 g	**Dilution:**	1
Prep Final Amount:	50.00 mL	**Basis Factor:**	100.00

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

Printed: 11/17/20 15:41
\\alprews001\starlims$\LIMSReps\QuantValidation.rpt

Quantitation Report (QT Reviewed)

1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140005.D Vial: 3
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 3:47 pm Operator: UA
Sample : KQ2017246-04MB Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 12:50:09 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
2) s	2,4-Dichl...	7.986	7.816	1231071	3096444	67.654m	73.206
	Target Compounds						
1) m	Dalapon	3.143	2.876	6983	476480	0.288m	9.862 #
3) m	Dicamba	8.216	7.915	695	49576	0.010m	0.334m#
4) m	MCPP	8.316	8.095	10199	10526	728.251	N.D. #
5) m	MCPA	8.629f	8.342	4150	228284	70.877	N.D. #
6) m	Dichloroprop	8.963	8.739	41783	9997	2.241	0.240 #
7) m	2,4-D	9.283	9.032	14060	97506	0.662m	1.904m#
8) m	2,4,5-TP ...	10.256	10.086	39622	50600	0.423	0.249 #
9) m	2,4,5-T	10.689	10.536	4815	12993	0.058	0.068
10) m	2,4-DB	11.253	11.172	13063	46252	1.273	1.594m#
11) m	Dinoseb	11.649	11.322	67162	37176	1.086	0.272m#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140005.D Vial: 3
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 3:47 pm Operator: UA
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Misc : Multiplr: 1.00
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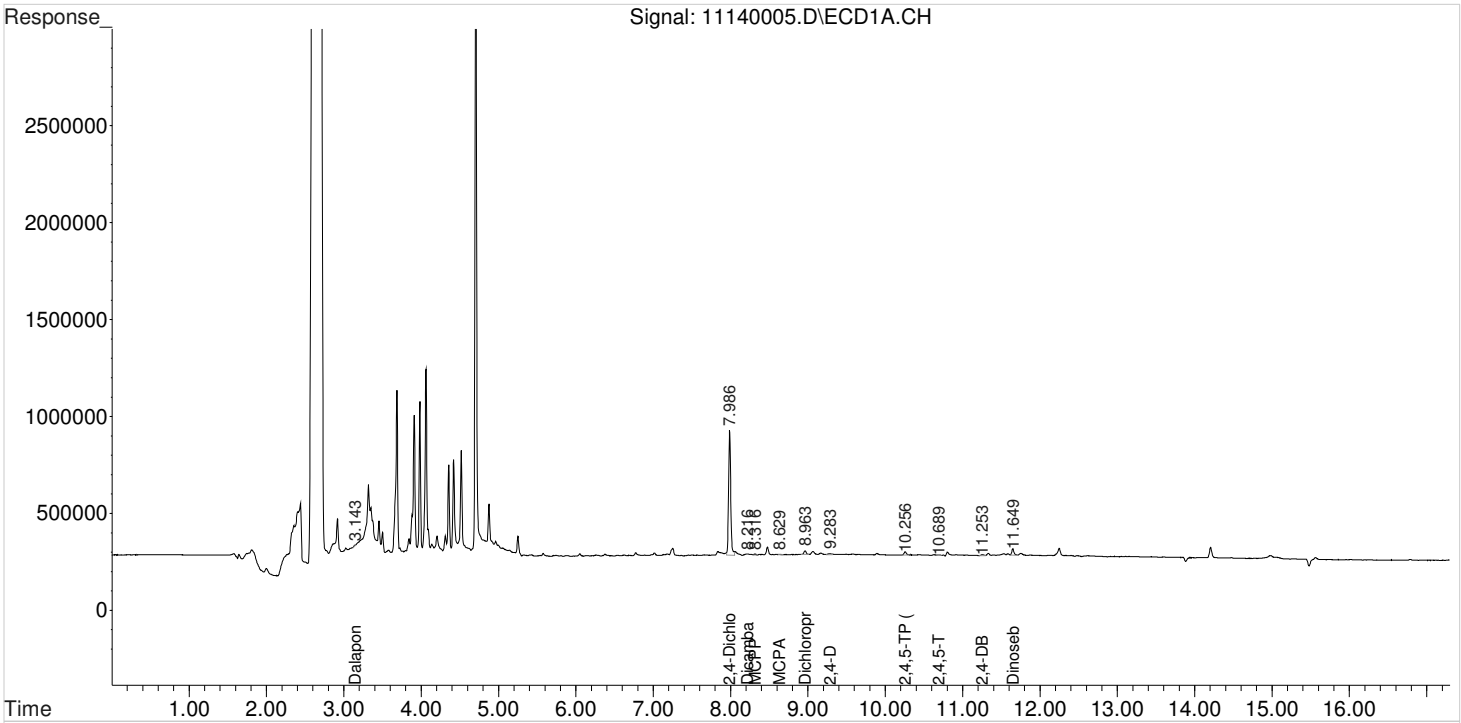
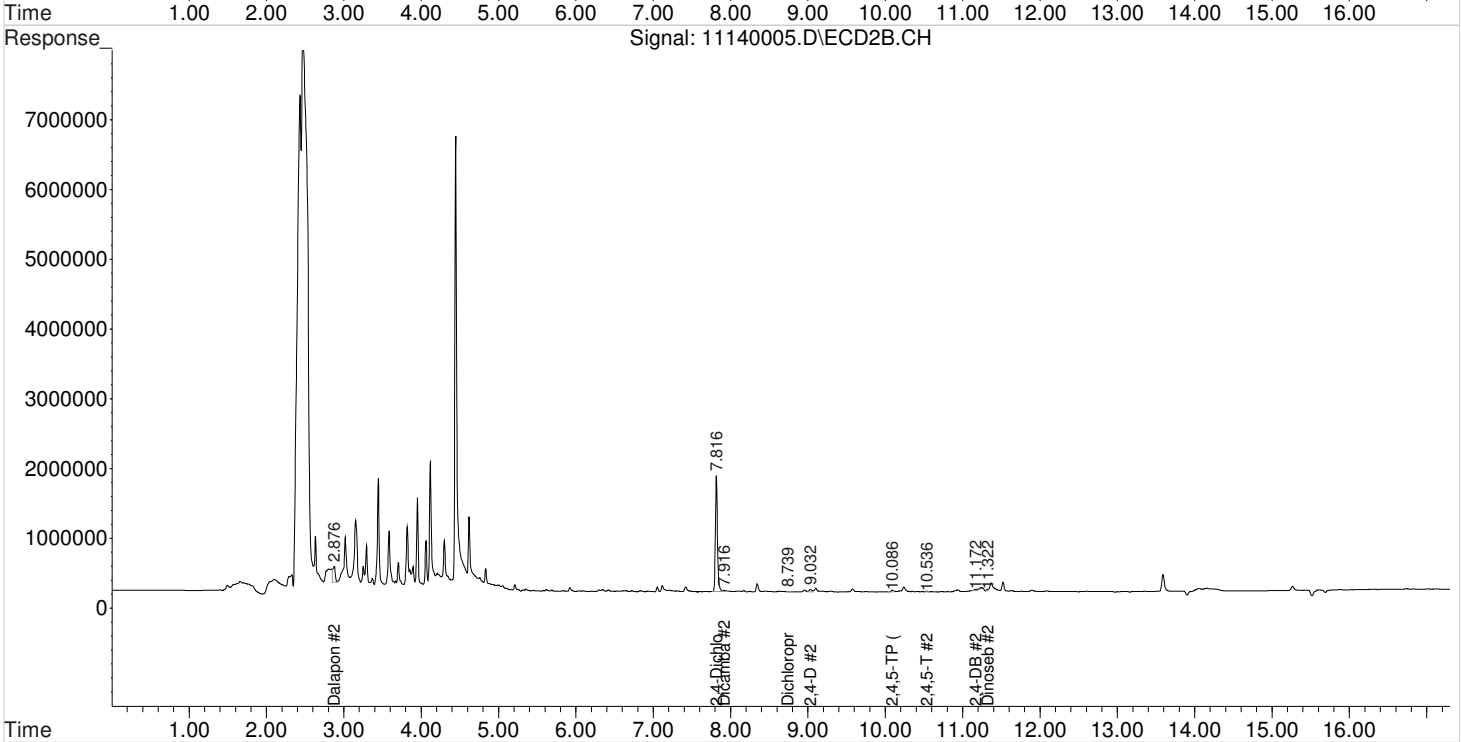
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





Quantitation Report (Qedit)

1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140005.D Vial: 3
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 3:47 pm Operator: UA
Sample : KQ2017246-04MB Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 11:23:57 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
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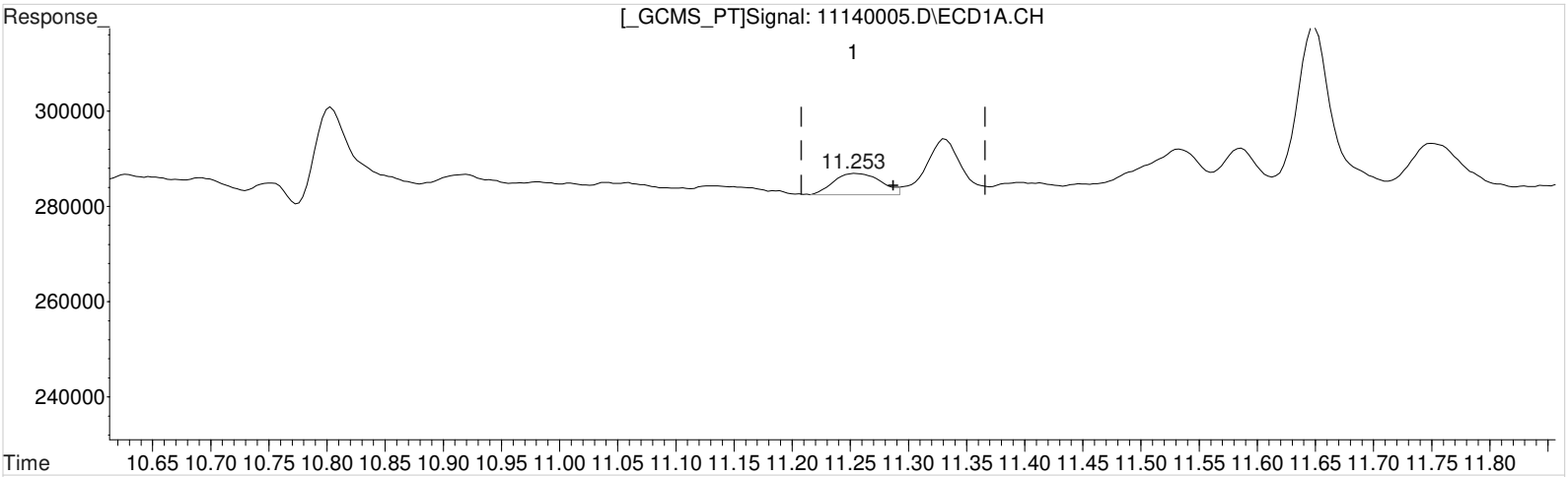
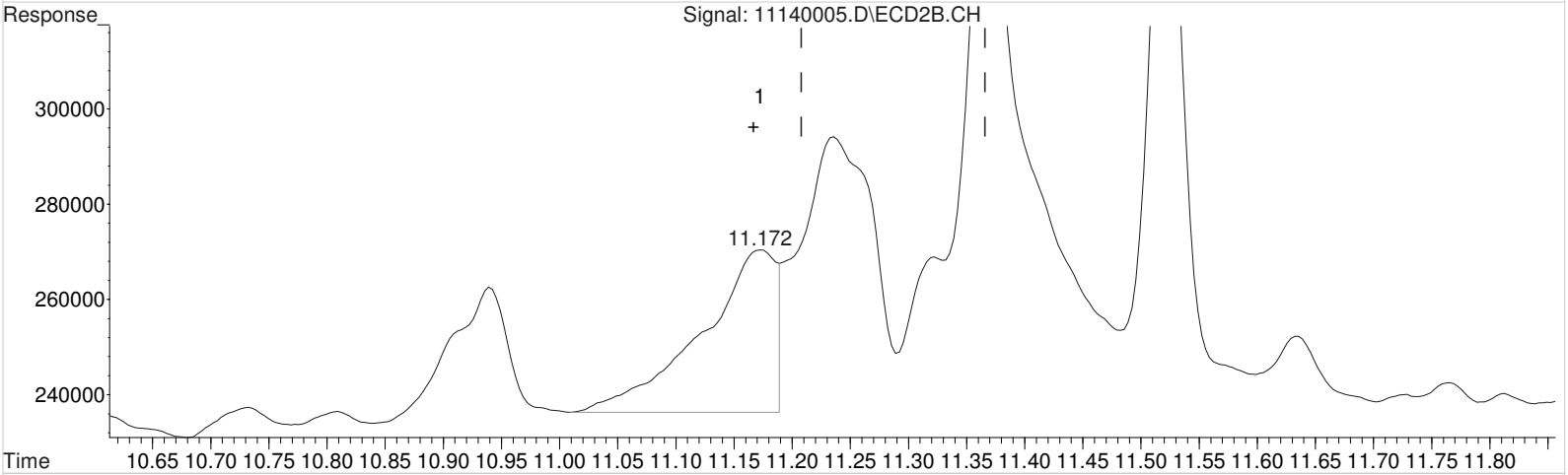
Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(10) 2,4-DB (m)

11.253min 1.273 ppb

response 13063

(10) 2,4-DB #2 (m)

11.172min 5.307 ppb

response 153992

Manual Integration:

Before

11/16/20

(+) = Expected Retention Time

1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140005.D Vial: 3
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 3:47 pm Operator: UA
Sample : KQ2017246-04MB Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
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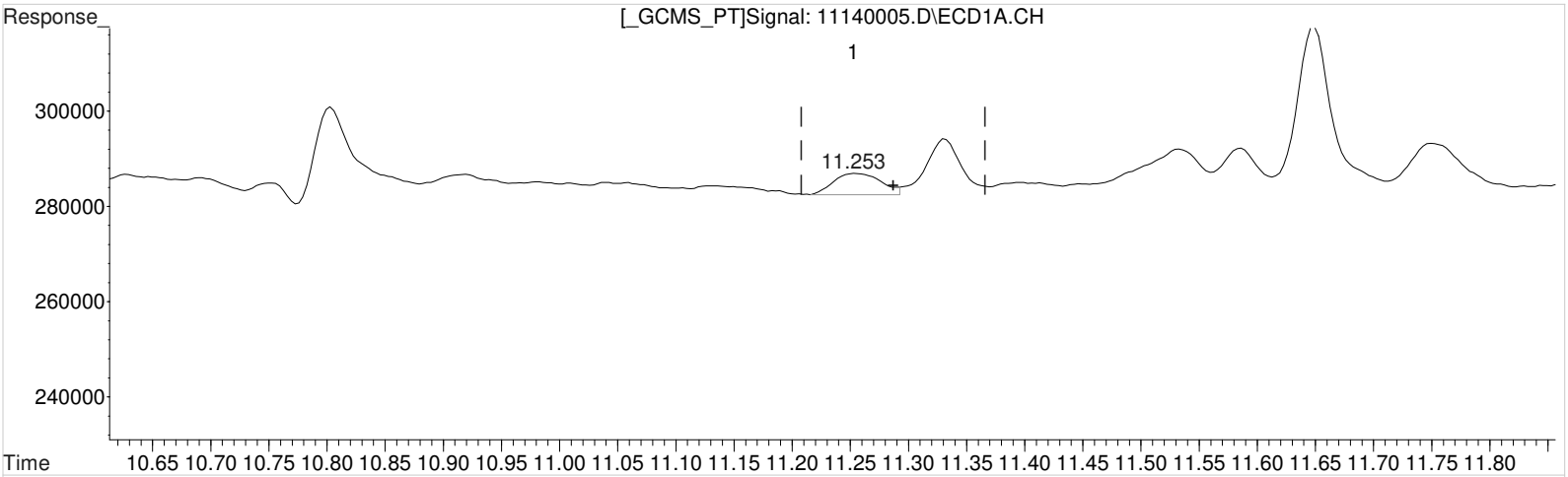
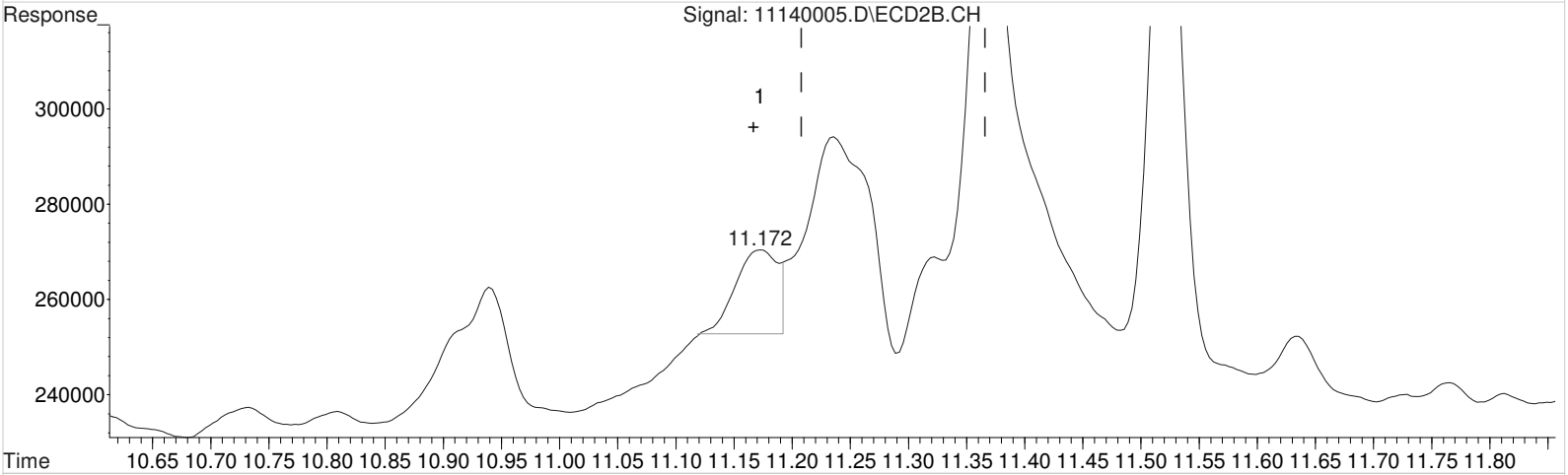
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(10) 2,4-DB (m)

11.253min 1.273 ppb

response 13063

Manual Integration:

After

Baseline/Shoulder

11/16/20

(10) 2,4-DB #2 (m)

11.172min 1.594 ppb m

response 46252

(+) = Expected Retention Time

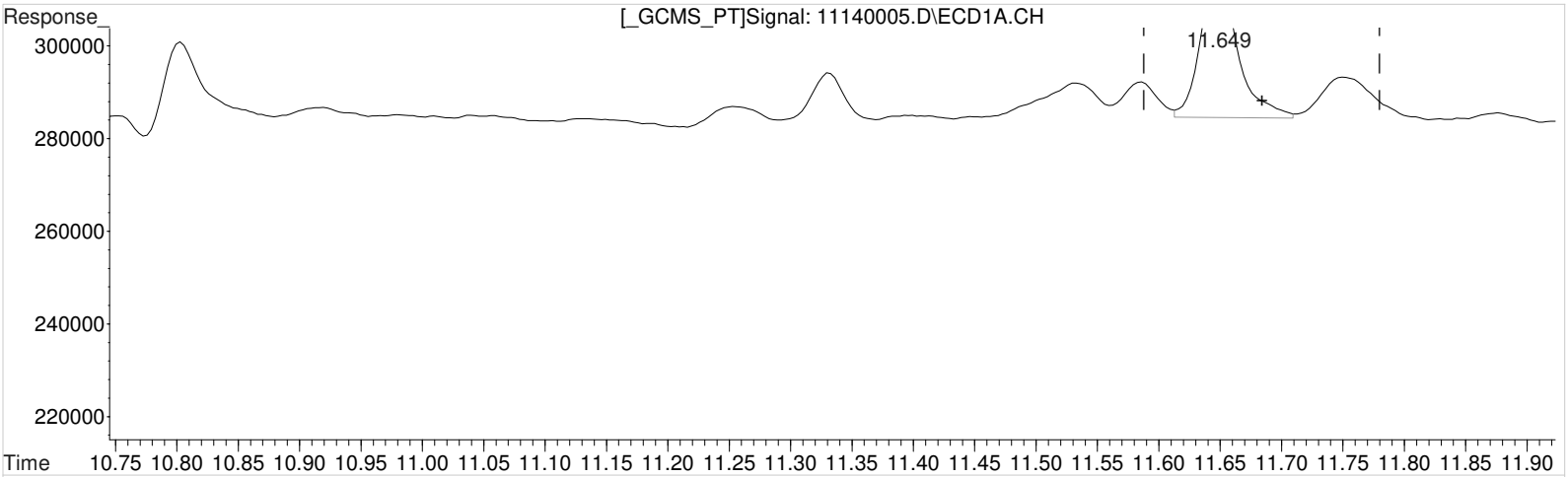
Quantitation Report (Qedit)

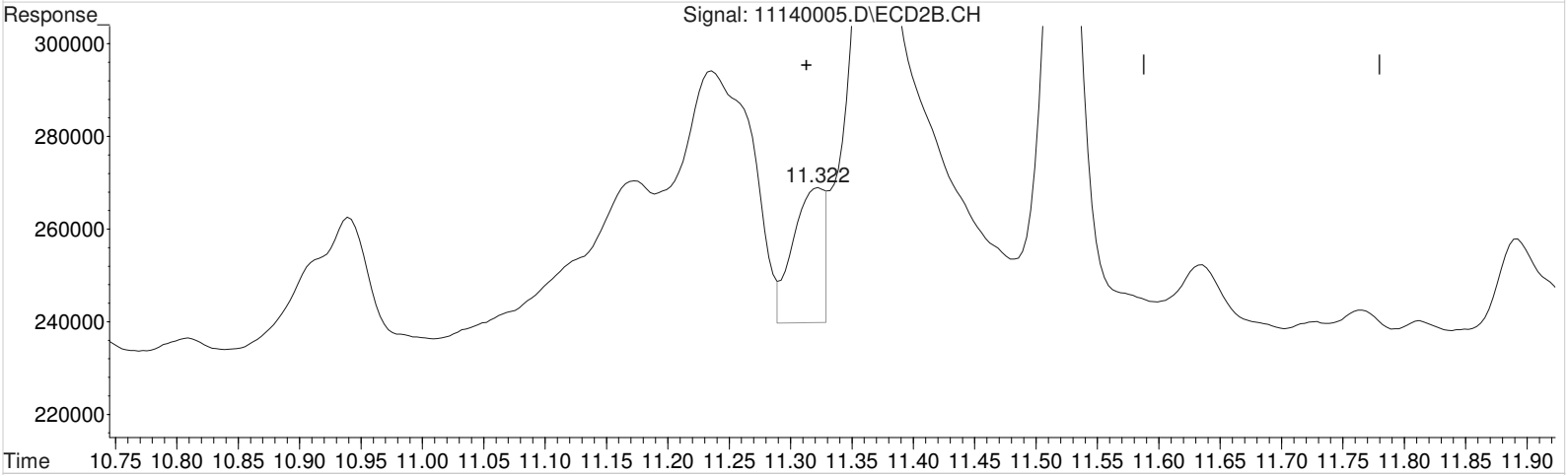
1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140005.D Vial: 3
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 3:47 pm Operator: UA
Sample : KQ2017246-04MB Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 11:23:57 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(11) Dinoseb (m)

11.649min 1.086 ppb

response 67162

(11) Dinoseb #2 (m)

11.322min 0.393 ppb

response 53760

Manual Integration:

Before

11/16/20

(+) = Expected Retention Time

Quantitation Report (Qedit)

1st 5 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140005.D Vial: 3
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 3:47 pm Operator: UA
Sample : KQ2017246-04MB Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 11:23:57 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
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QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
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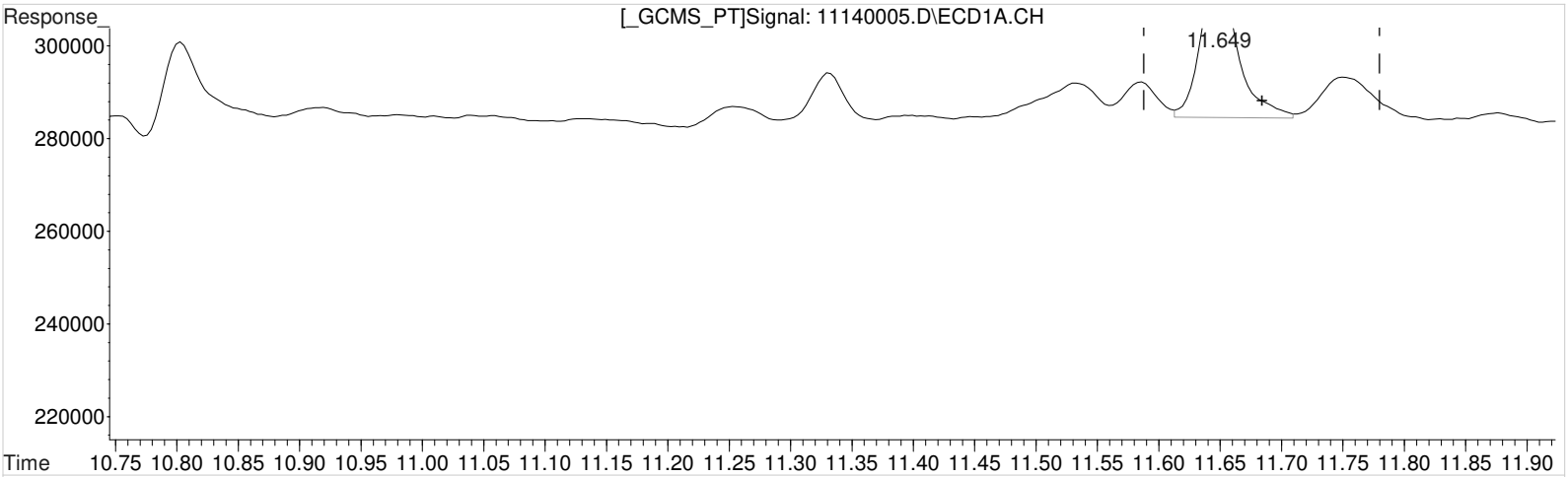
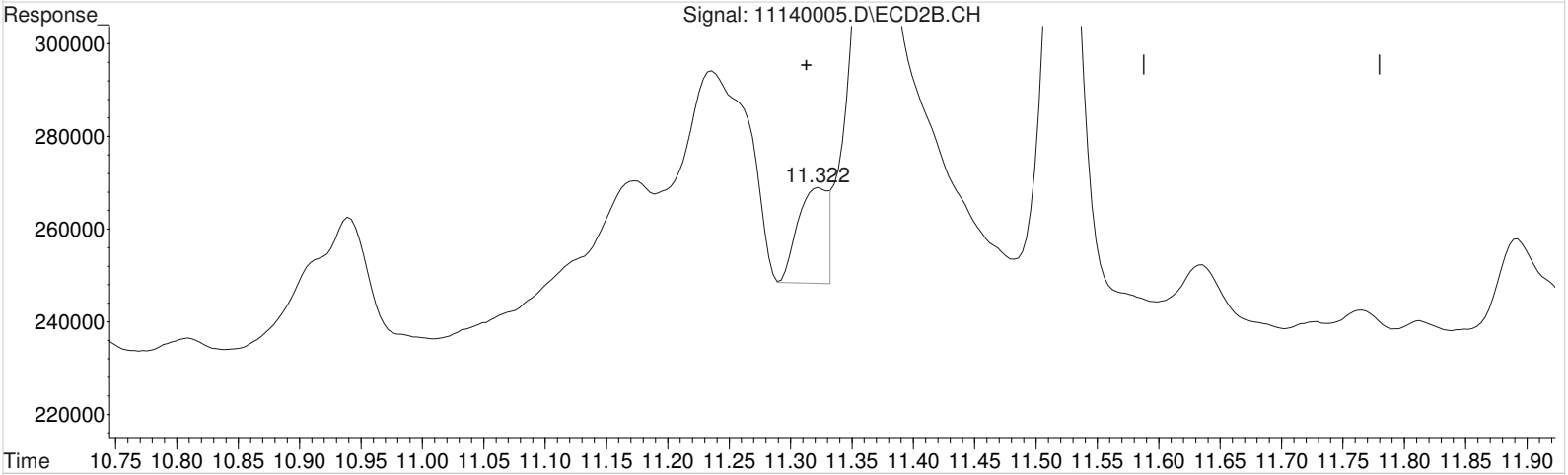
Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(11) Dinoseb (m)

11.649min 1.086 ppb

response 67162

Manual Integration:

After

Baseline/Shoulder

11/16/20

(11) Dinoseb #2 (m)

11.322min 0.272 ppb m

response 37176

(+) = Expected Retention Time

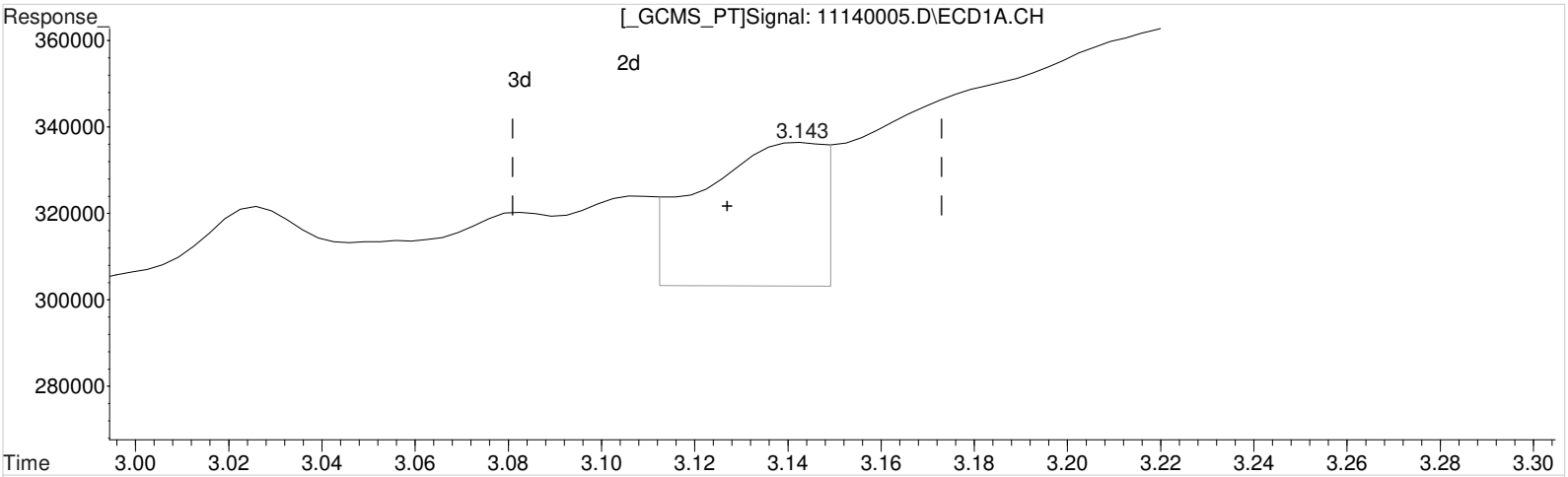
Quantitation Report (Qedit)

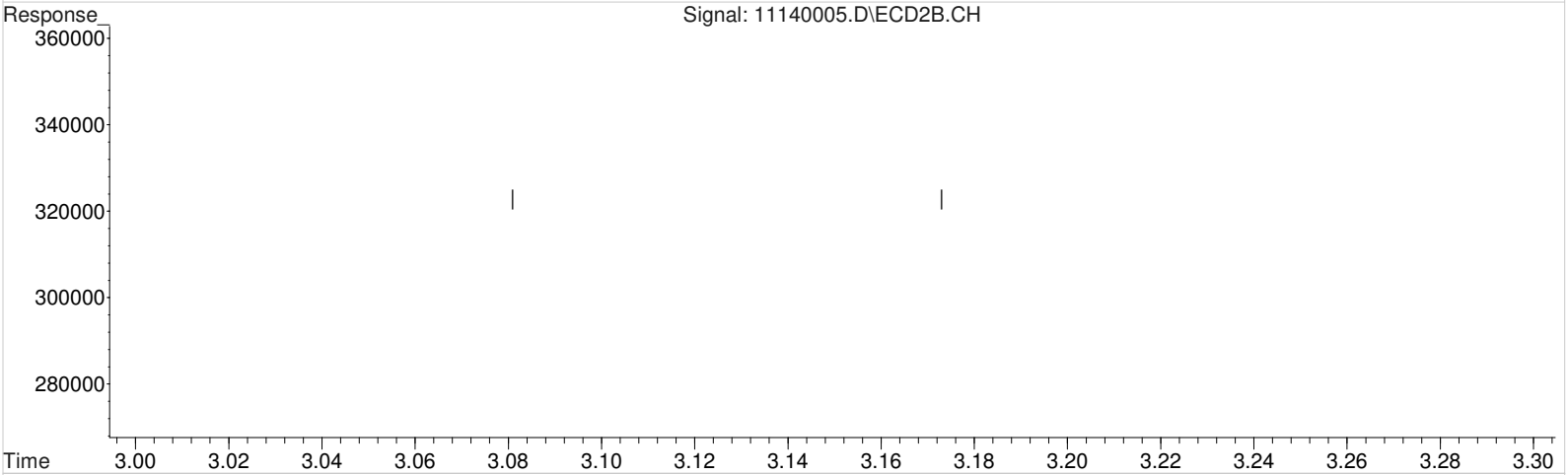
1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140005.D Vial: 3
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 3:47 pm Operator: UA
Sample : KQ2017246-04MB Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 11:23:57 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(1) Dalapon (m)

3.143min 2.559 ppb

response 62085

(1) Dalapon #2 (m)

2.876min 9.862 ppb

response 476480

Manual Integration:

Before

11/16/20

(+) = Expected Retention Time

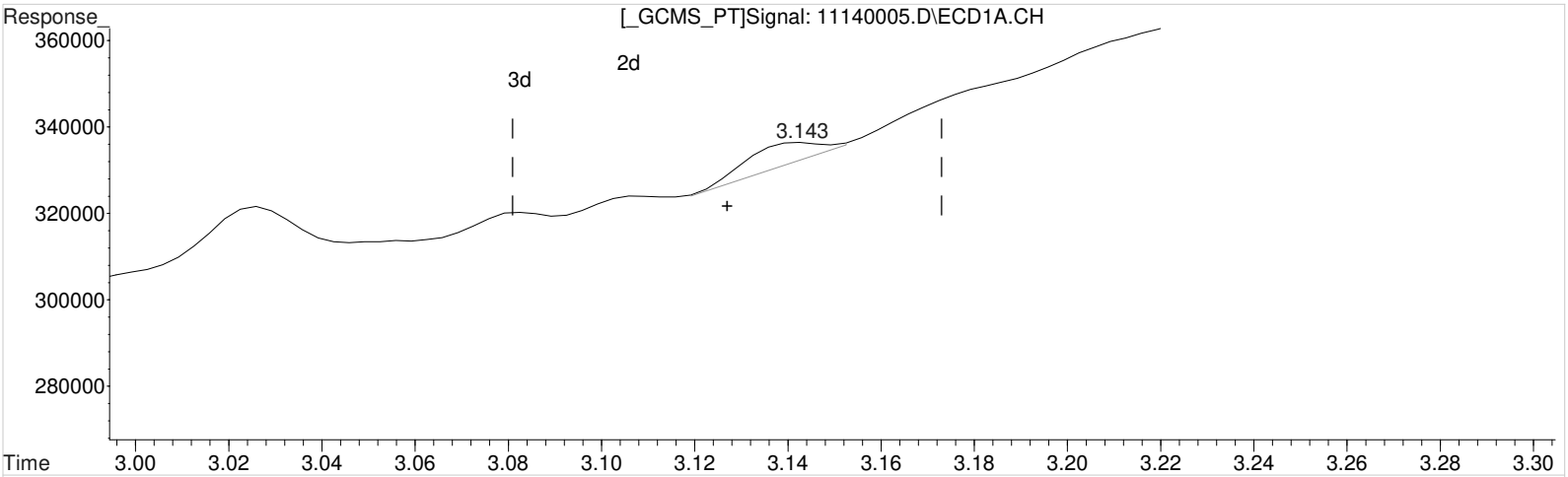
Quantitation Report (Qedit)

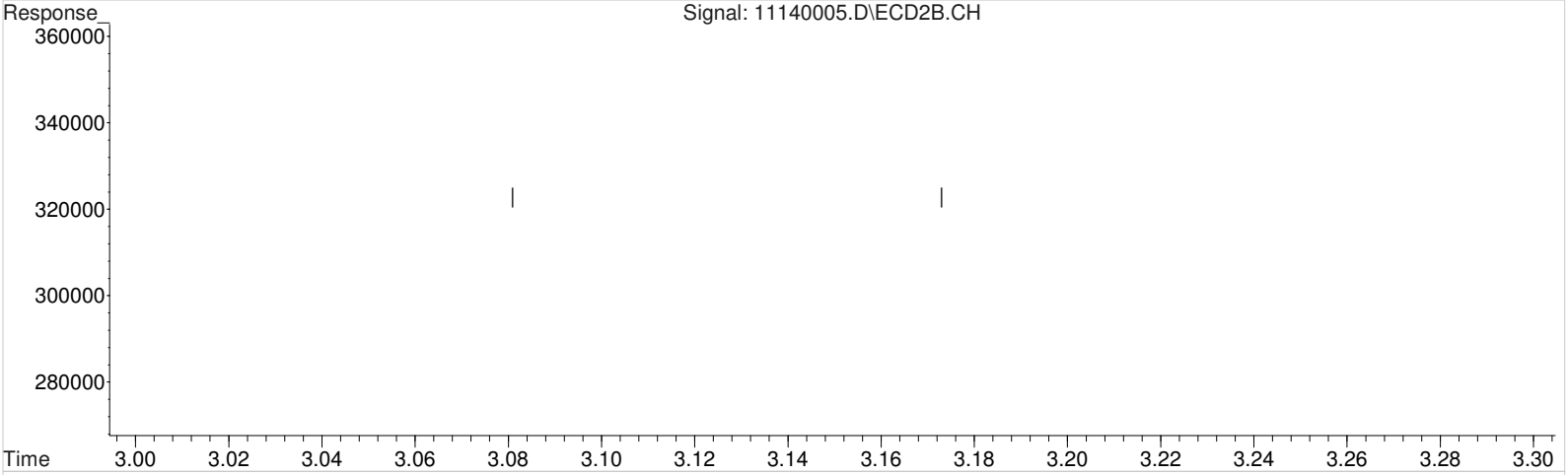
1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140005.D Vial: 3
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 3:47 pm Operator: UA
Sample : KQ2017246-04MB Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 11:23:57 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(1) Dalapon (m)

3.143min 0.288 ppb m

response 6983

Manual Integration:

After

Baseline/Shoulder

11/16/20

(1) Dalapon #2 (m)

2.876min 9.862 ppb

response 476480

(+) = Expected Retention Time

1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140005.D Vial: 3
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 3:47 pm Operator: UA
Sample : KQ2017246-04MB Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
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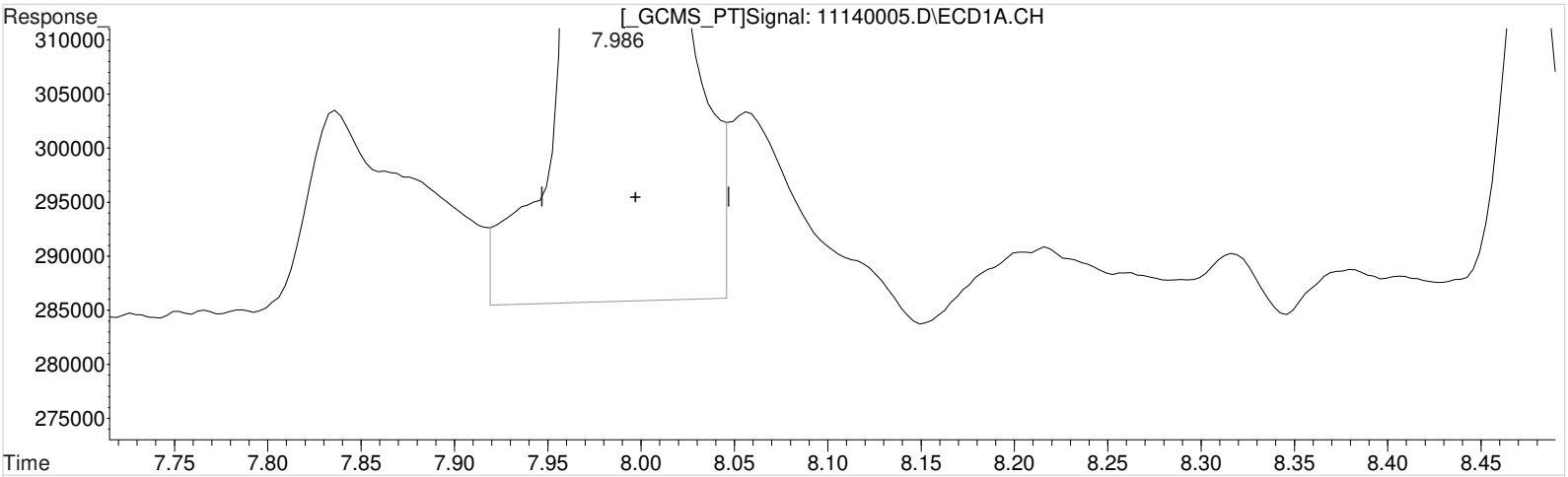
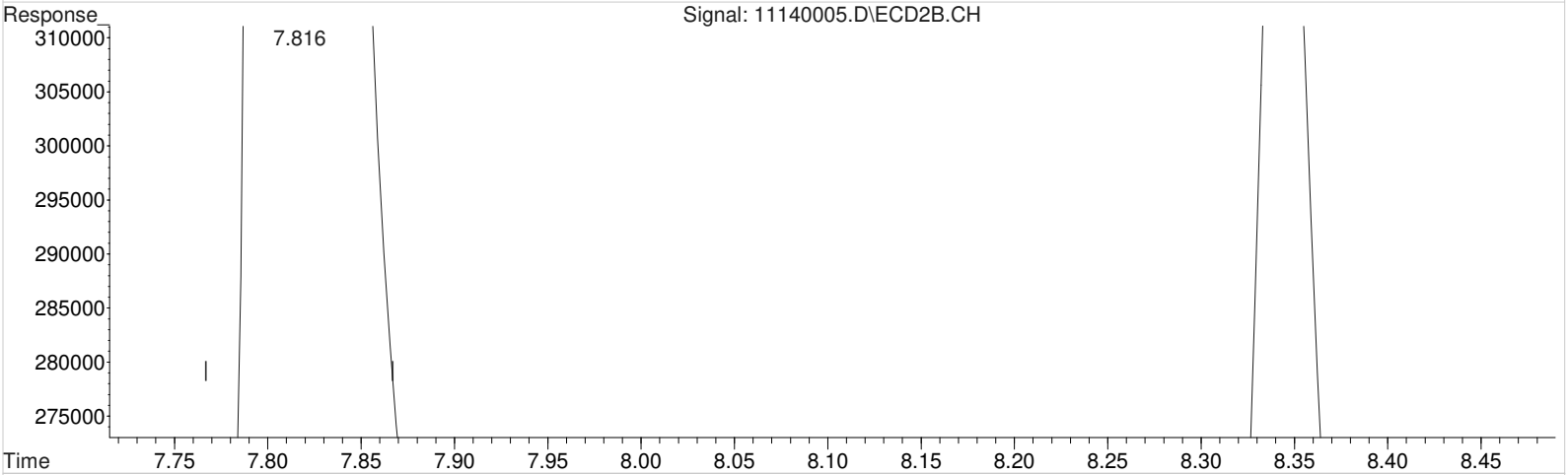
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(2) 2,4-Dichlorophenylacetic Acid (s)

7.986min 68.044 ppb

response 1238179

(2) 2,4-Dichlorophenylacetic Acid #2 (s)

7.816min 73.206 ppb

response 3096444

Manual Integration:

Before

11/16/20

(+) = Expected Retention Time

1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140005.D Vial: 3
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 3:47 pm Operator: UA
Sample : KQ2017246-04MB Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
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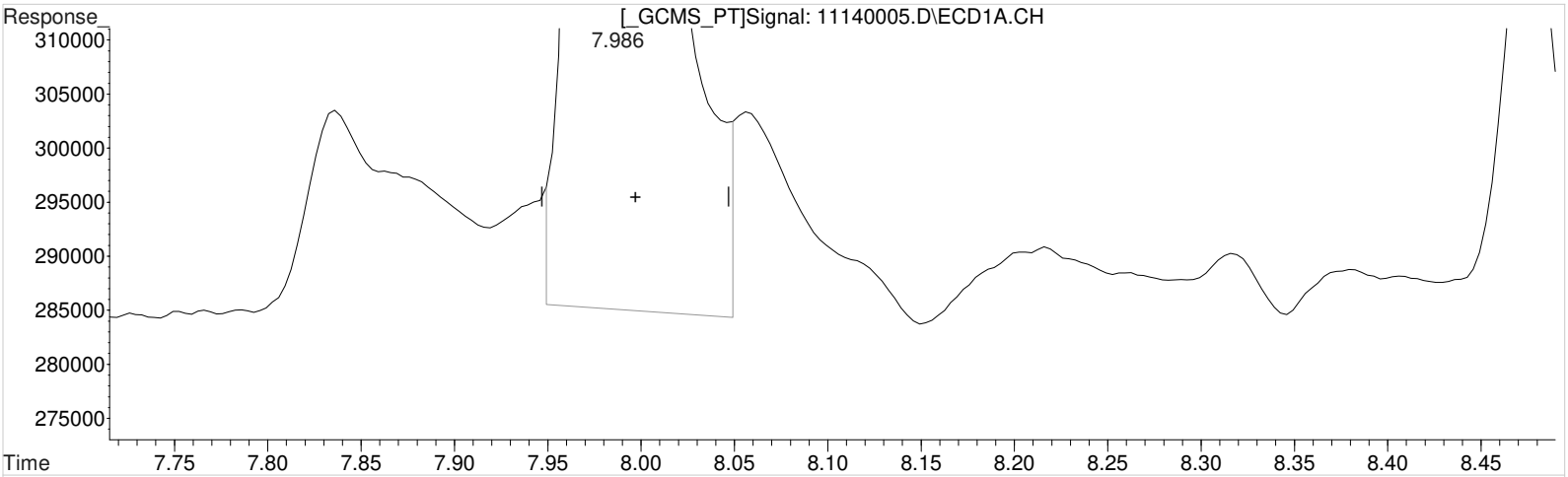
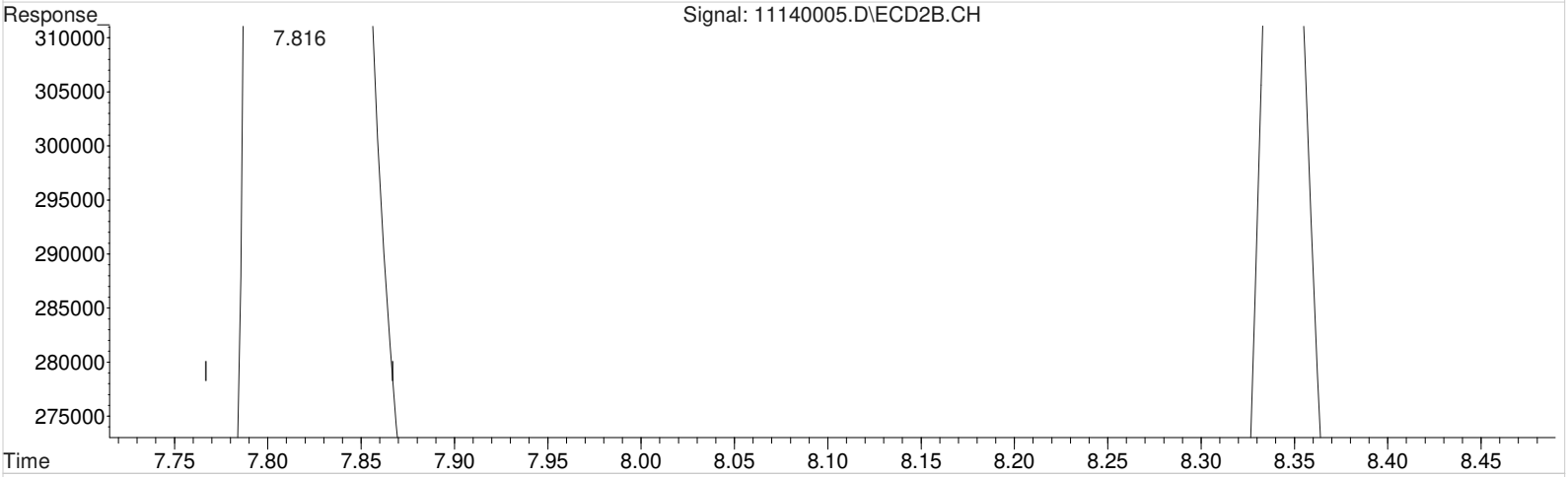
Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(2) 2,4-Dichlorophenylacetic Acid (s)

7.986min 67.654 ppb m

response 1231071

Manual Integration:

After

Baseline/Shoulder

11/16/20

(2) 2,4-Dichlorophenylacetic Acid #2 (s)

7.816min 73.206 ppb

response 3096444

(+) = Expected Retention Time

1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140005.D Vial: 3
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
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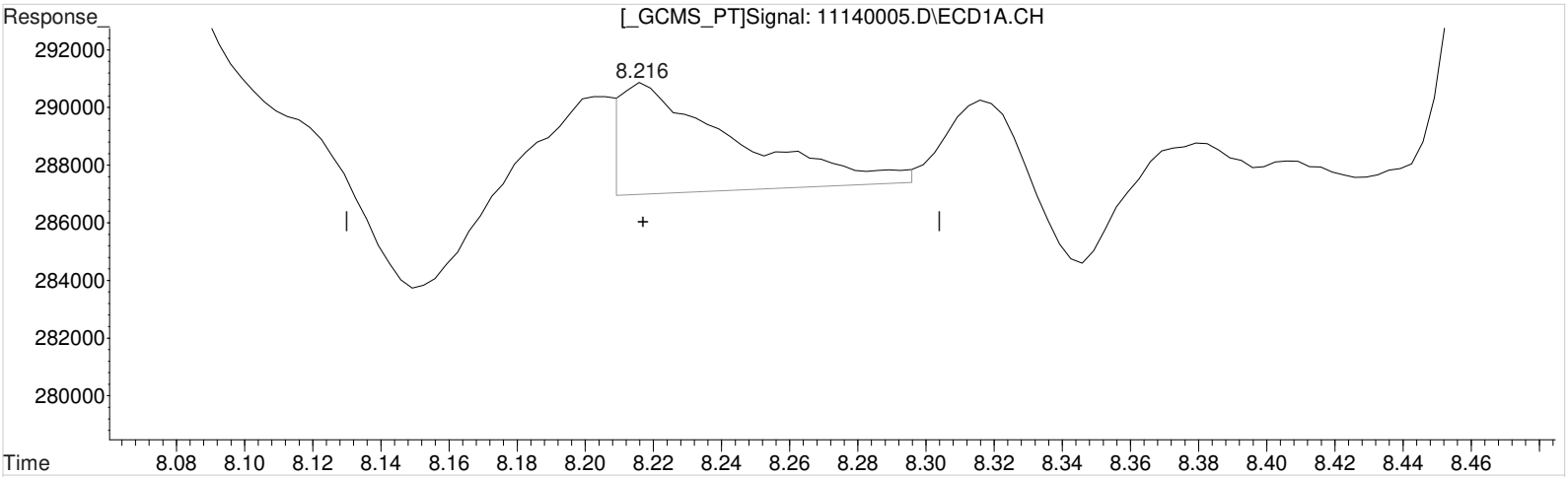
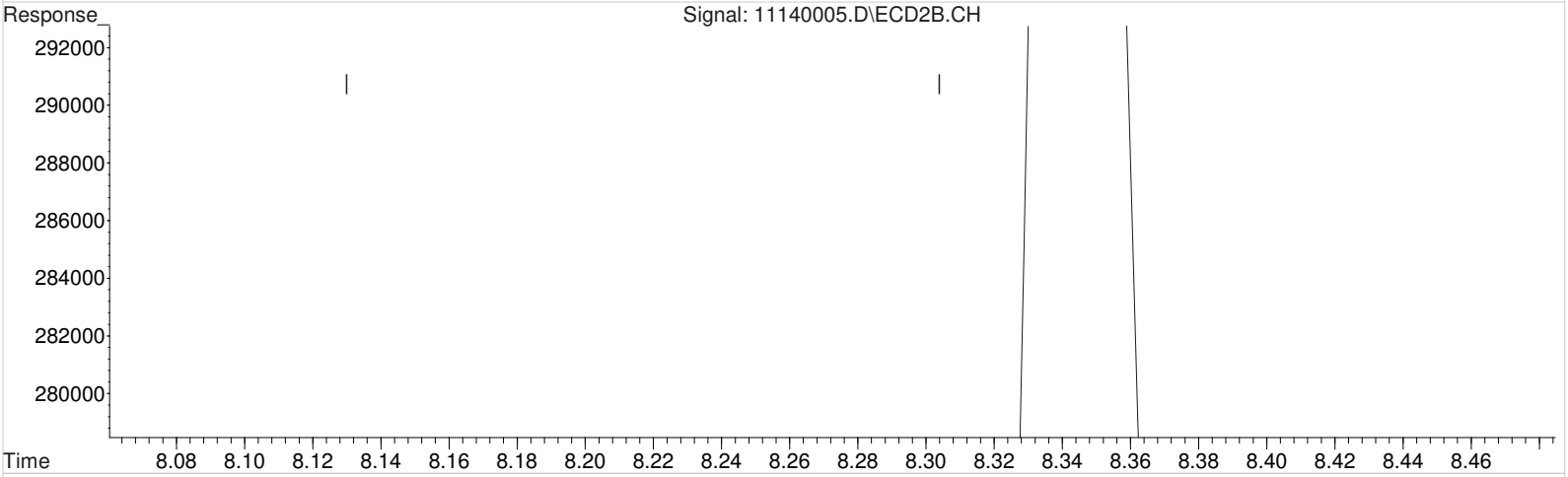
Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(3) Dicamba (m)

8.216min 0.123 ppb

response 8597

Manual Integration:

Before

11/16/20

(3) Dicamba #2 (m)

7.915min 0.438 ppb

response 64941

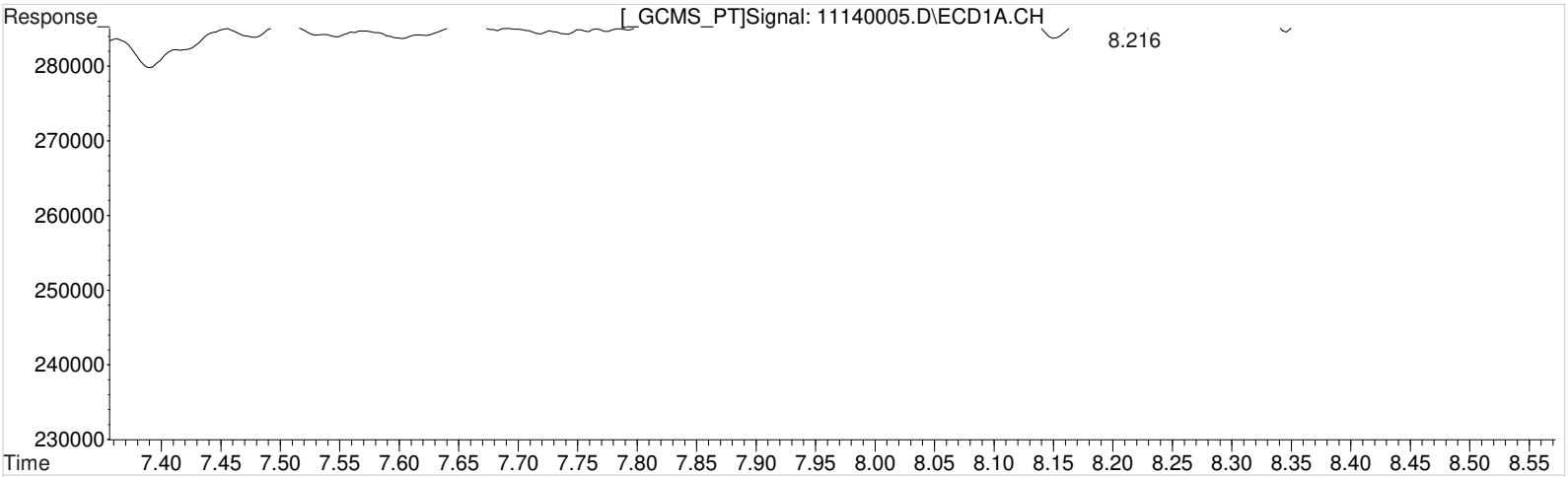
(+) = Expected Retention Time

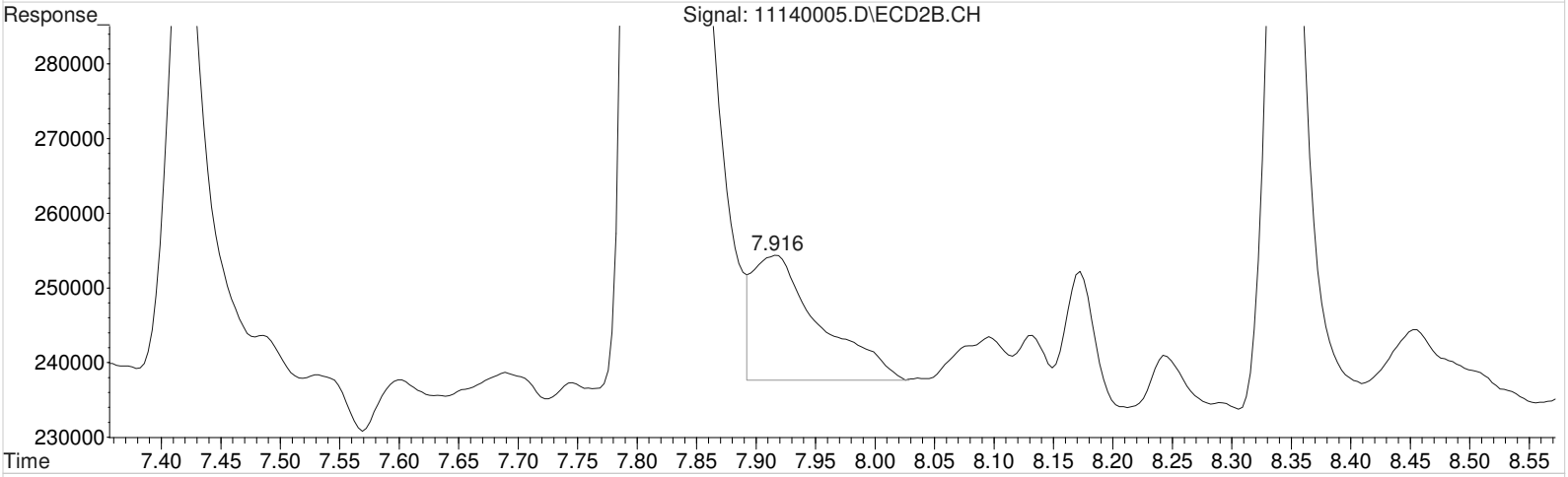
1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140005.D Vial: 3
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 3:47 pm Operator: UA
Sample : KQ2017246-04MB Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 11:23:57 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(3) Dicamba (m)

8.216min 0.010 ppb m

response 695

Manual Integration:

Before

11/16/20

(3) Dicamba #2 (m)

7.915min 0.438 ppb

response 64941

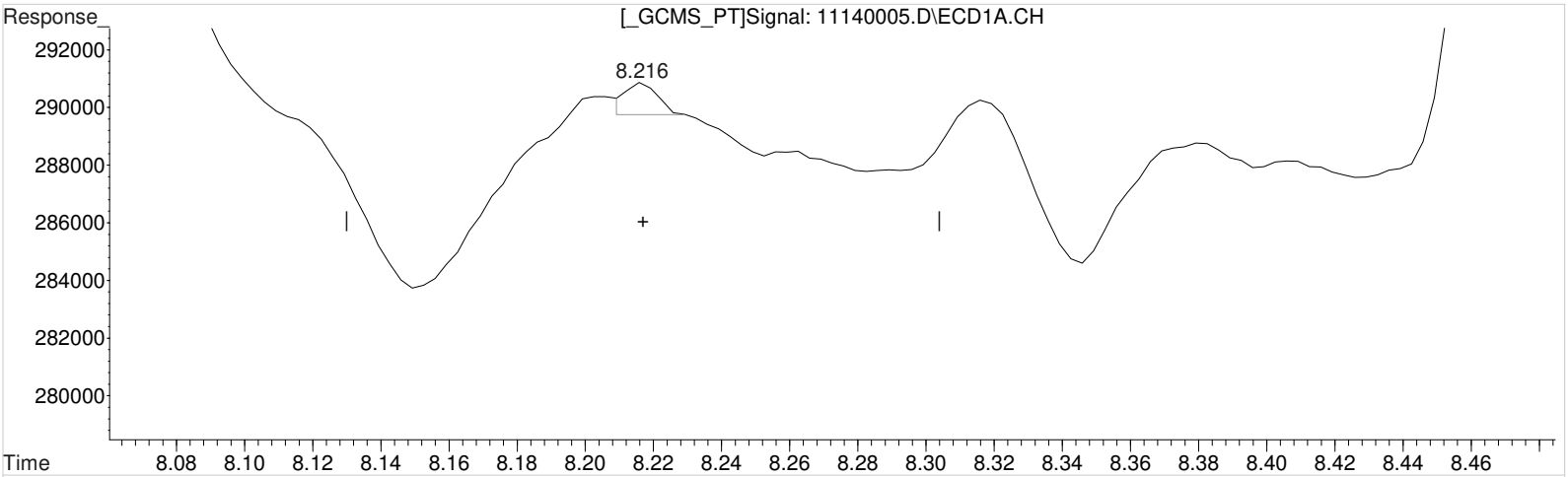
(+) = Expected Retention Time

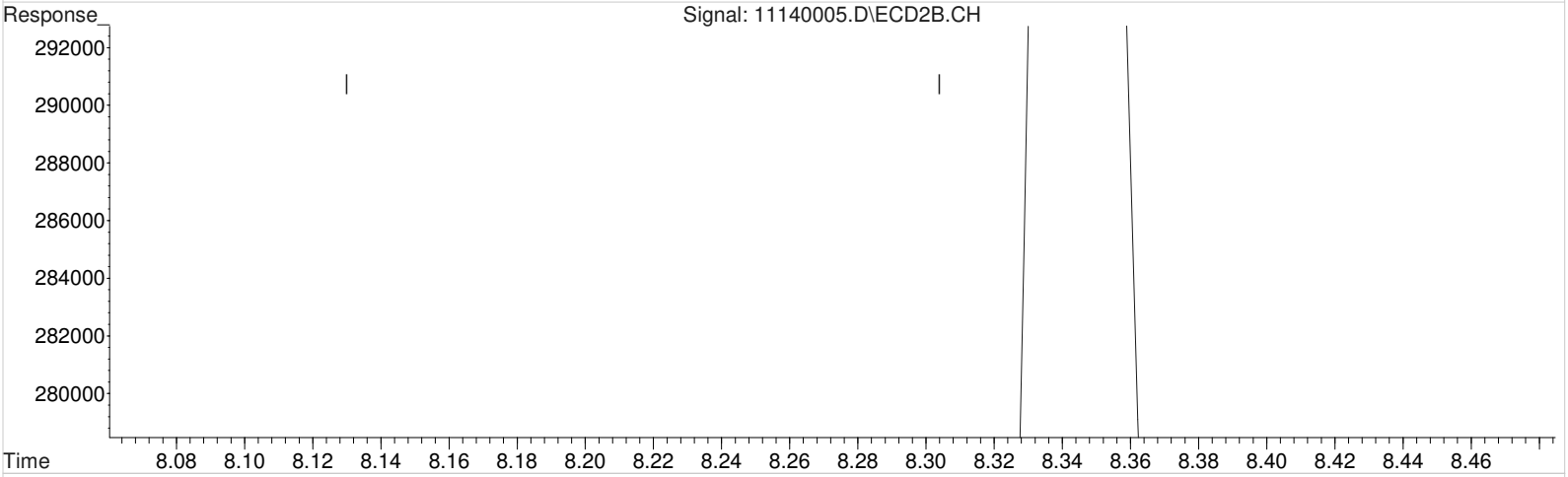
1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140005.D Vial: 3
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 3:47 pm Operator: UA
Sample : KQ2017246-04MB Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 11:23:57 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(3) Dicamba (m)

8.216min 0.010 ppb m

response 695

Manual Integration:

After

Baseline/Shoulder

11/16/20

(3) Dicamba #2 (m)

7.915min 0.438 ppb

response 64941

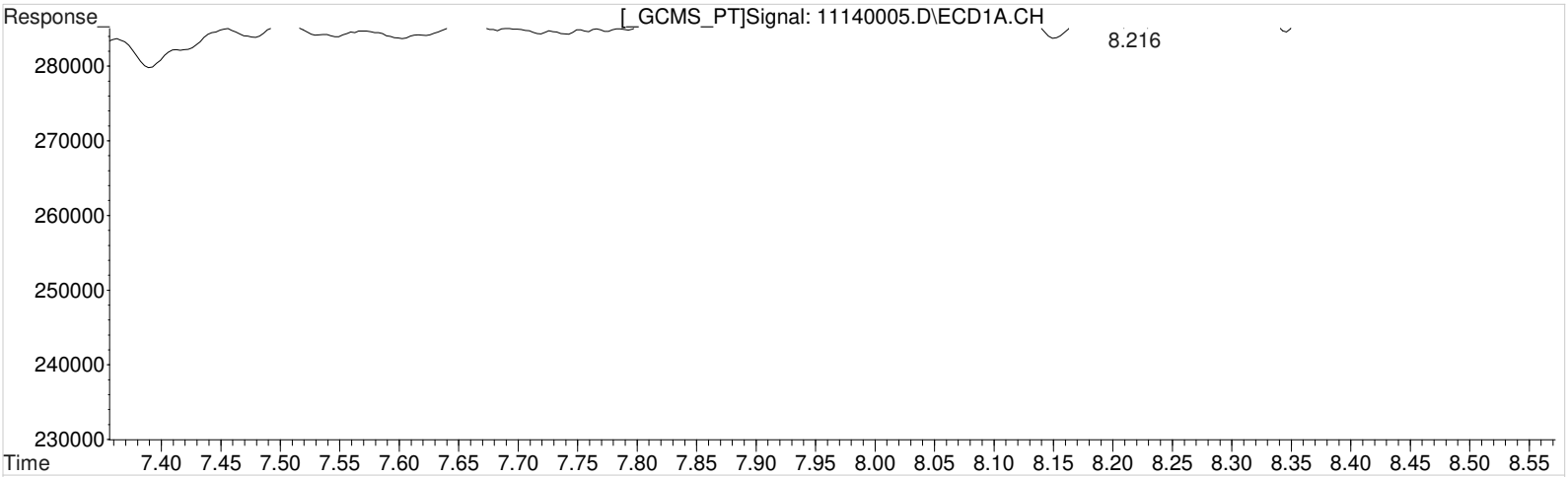
(+) = Expected Retention Time

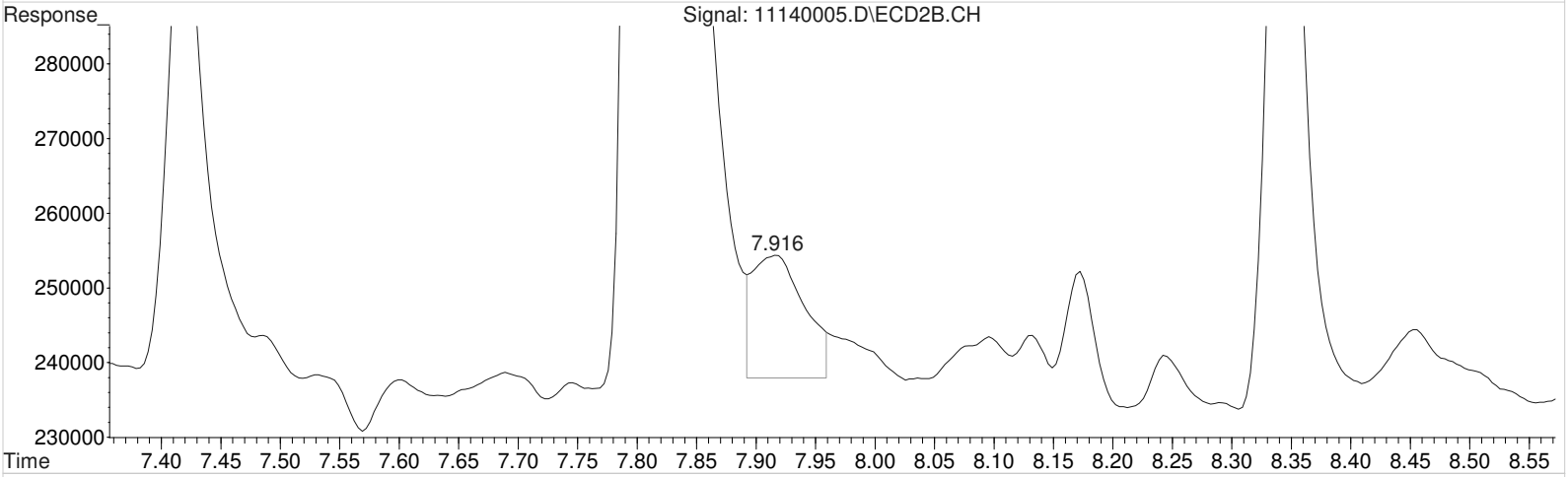
1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140005.D Vial: 3
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 3:47 pm Operator: UA
Sample : KQ2017246-04MB Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 11:23:57 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(3) Dicamba (m)

8.216min 0.010 ppb m

response 695

Manual Integration:

After

Baseline/Shoulder

11/16/20

(3) Dicamba #2 (m)

7.915min 0.334 ppb m

response 49576

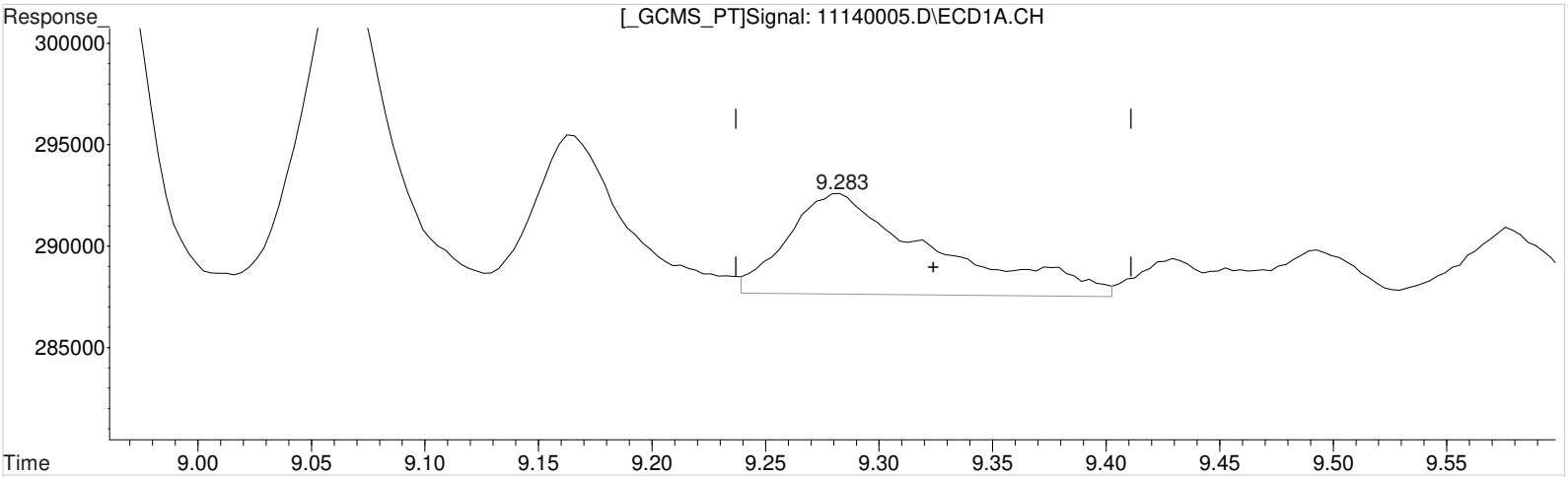
(+) = Expected Retention Time

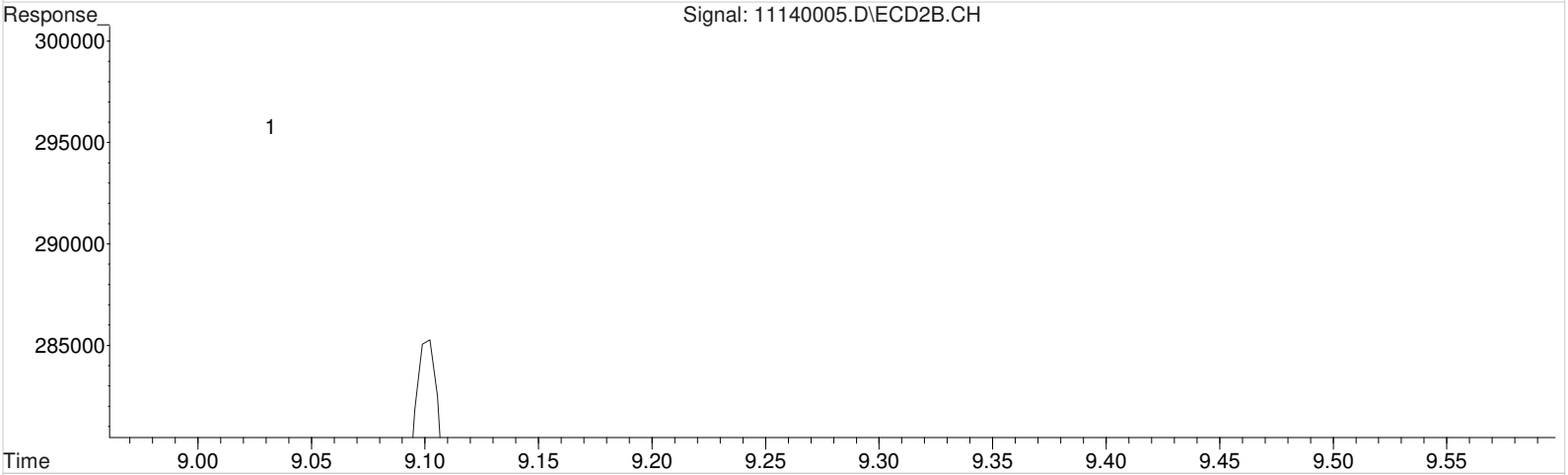
1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140005.D Vial: 3
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 3:47 pm Operator: UA
Sample : KQ2017246-04MB Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 11:23:57 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(7) 2,4-D (m)

9.283min 1.050 ppb

response 22307

Manual Integration:

Before

11/16/20

(7) 2,4-D #2 (m)

9.032min 1.440 ppb

response 73745

(+) = Expected Retention Time

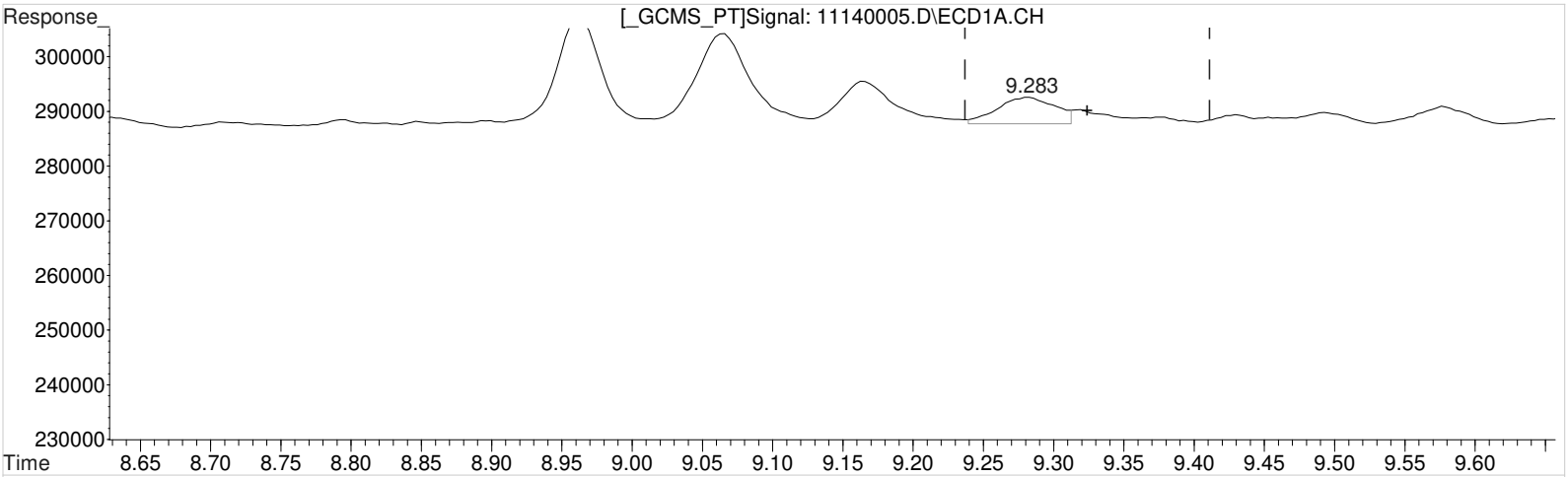
Quantitation Report (Qedit)

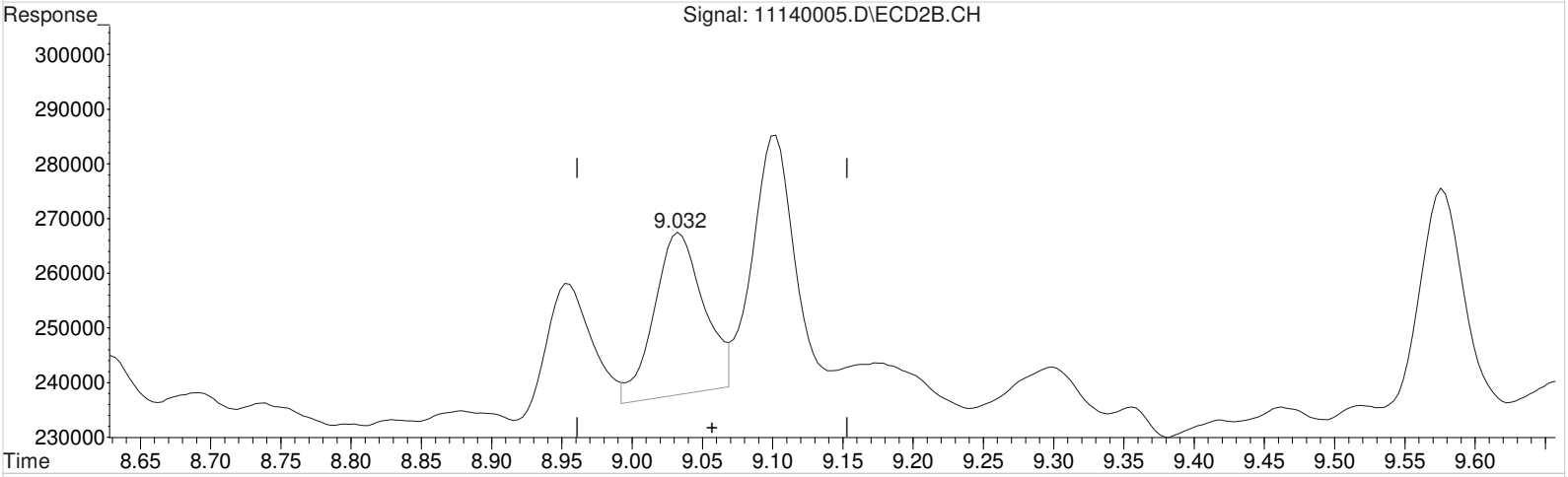
1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140005.D Vial: 3
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 3:47 pm Operator: UA
Sample : KQ2017246-04MB Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 11:23:57 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(7) 2,4-D (m)

9.283min 0.662 ppb m

response 14060

(7) 2,4-D #2 (m)

9.032min 1.440 ppb

response 73745

Manual Integration:

Before

11/16/20

(+) = Expected Retention Time

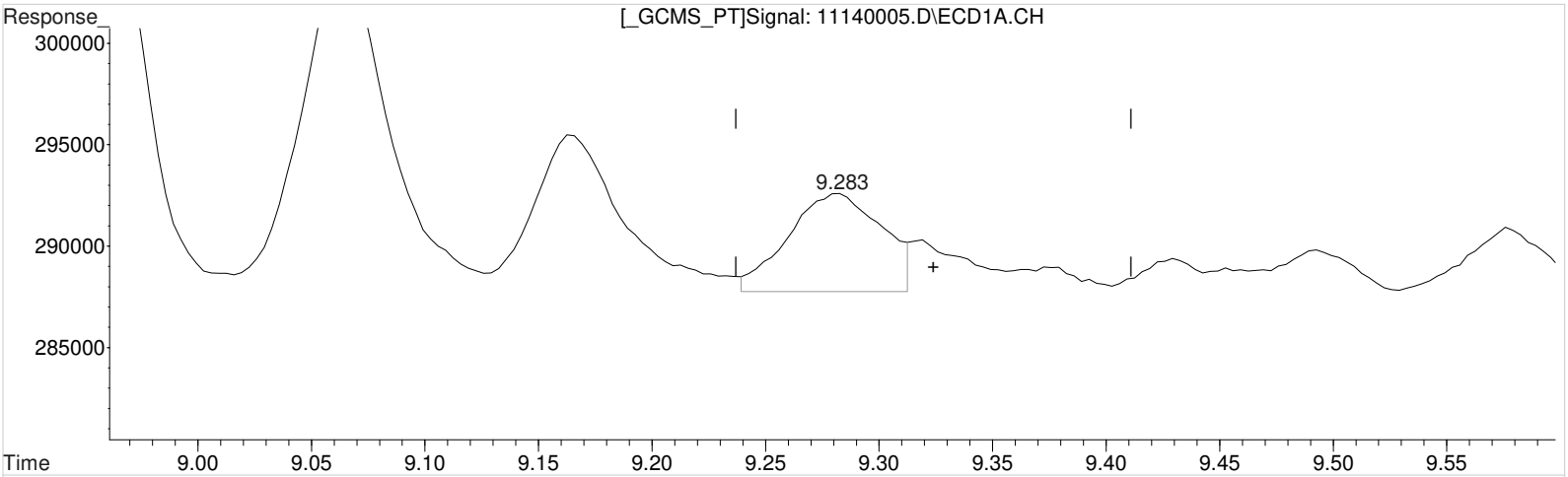
Quantitation Report (Qedit)

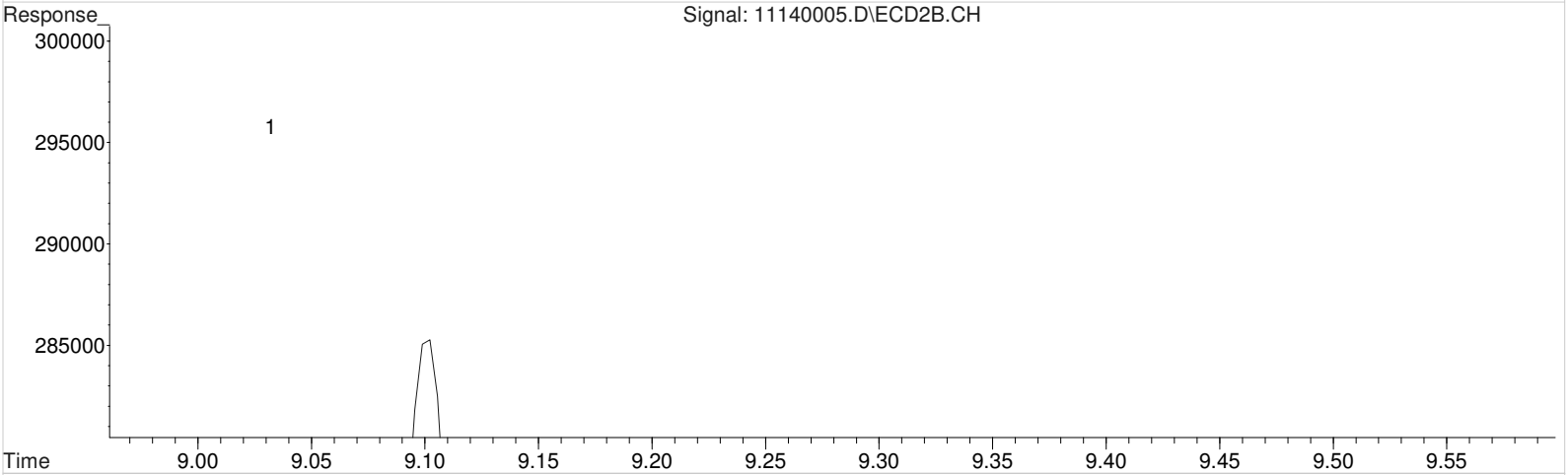
1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140005.D Vial: 3
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 3:47 pm Operator: UA
Sample : KQ2017246-04MB Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 11:23:57 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(7) 2,4-D (m)

9.283min 0.662 ppb m

response 14060

Manual Integration:

After

Baseline/Shoulder

11/16/20

(7) 2,4-D #2 (m)

9.032min 1.440 ppb

response 73745

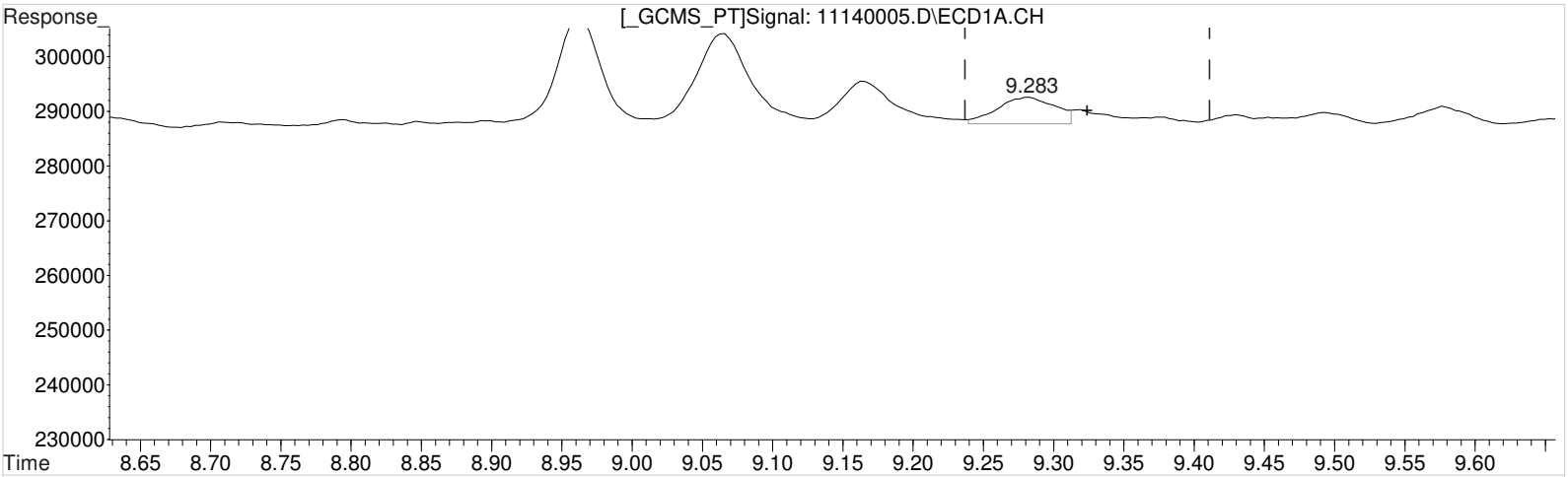
(+) = Expected Retention Time

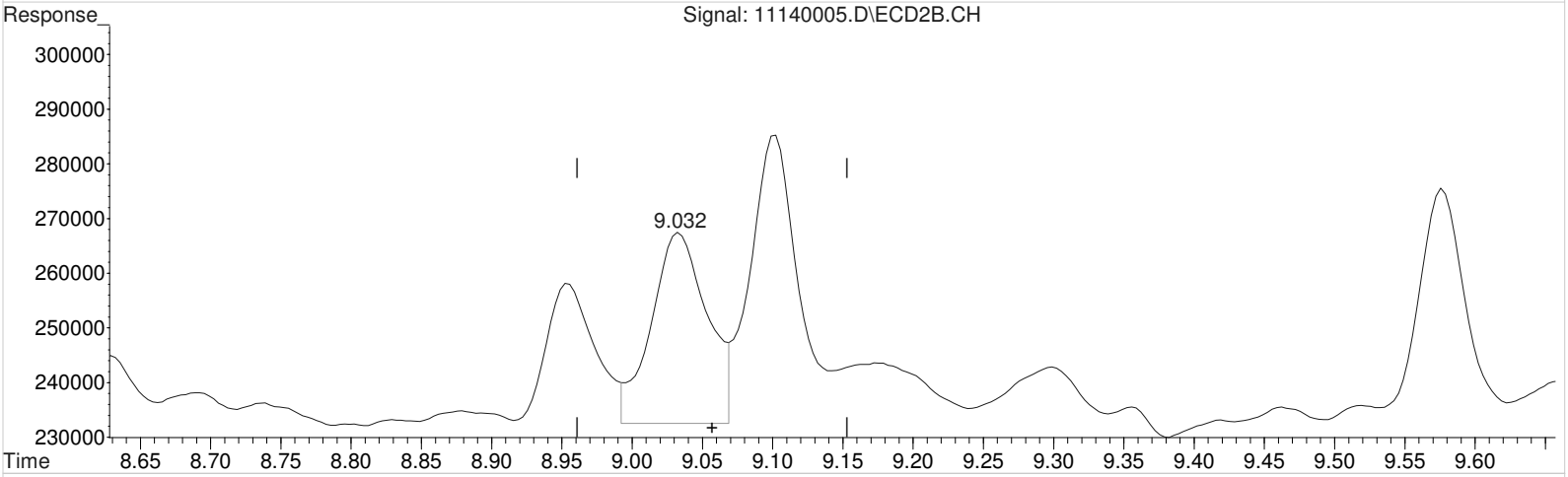
1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140005.D Vial: 3
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 3:47 pm Operator: UA
Sample : KQ2017246-04MB Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 11:23:57 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(7) 2,4-D (m)

9.283min 0.662 ppb m

response 14060

Manual Integration:

After

Baseline/Shoulder

11/16/20

(7) 2,4-D #2 (m)

9.032min 1.904 ppb m

response 97506

(+) = Expected Retention Time

1st 11/16/20
2nd UA 11/17/20

Validation Report

Data File: J:\gc24\data\111420\11140006.D\
Lab ID: KQ2017246-03
RunType: LCS
Matrix: Sediment

Date Acquired: 11/14/20 16:10:00
Batch ID: 703599
Analysis Method: 8151A/HERB

Validations

Validation Categories	Pass	Fail
Analytical Hold Time	X	
ICAL Analyte Recovery	X	
Second Source ICAL Verification	X	
Continuing Calibration Recovery		X
Continuing Calibration Recovery (Closing)		X
Surrogates	X	
Std MRL Unsupported by ICAL	X	
Above Highest ICAL Level	X	
Analyte Coelutions	X	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
Continuing Calibration Recovery - ZB-XLB-HT	MCPA	23		20	RO CCV+ND
	MCPP	24		20	RO
Continuing Calibration Recovery (Closing) - ZB-XLB-HT	2,4,5-TP (Silvex)	23		20	RO
	MCPA	26		20	RO
	MCPP	25		20	RO

Primary Review: _____

Printed: 11/17/20 15:41
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Secondary Review: _____

1st 11/16/20
2nd UA 11/17/20

Quantitation Report

Data File:	J:\gc24\data\111420\11140006.D\	**Instrument:**	K-GC-24
Acqu Date:	11/14/20 16:10:00	**Vial:**	16
Run Type:	LCS	**Dilution:**	1
Lab ID:	KQ2017246-03	**Raw Units:**	ppb

Bottle ID:		**Tier:**	IV	**Matrix:**	Sediment
Prod Code:	HERB	**Collect Date:**	10/28/20	**Receive Date:**	11/3/20

Analysis Lot:	703599	**Prep Lot:**	369146	**Report Group:**	KQ2017246
Analysis	8151A	**Prep Method:**	Method		
		Prep Date:	11/4/20		

Title:	Chlorinated Herbicides by GC	**Calibration ID:**	KC2000566
		Report List ID:	11736

Surrogate Compounds

Parameter Name	RT 1	RT 2	Resp 1	Resp 2	Solution Conc 1	Solution Conc 2	% Rec 1	% Rec 2	% Rec	% Rec Criteria	Rpt?
DCAA	7.98 -0.02	7.81 -0.01	1326042	3366223	72.873	79.584				26 - 127	Y

Target Compounds

Final Conc.Units: ug/Kg

Parameter Name	RT 1	RT 2	Resp 1	Resp 2	Solution Conc 1	Solution Conc 2	Final Conc 1	Final Conc 2	Primary Conc	Rpt?
2,4,5-TP	10.25 -0.01	10.13 -0.01	6504545	16849277	69.433	83.002[CCV] RO	116	138	**116**	Y
2,4-D	9.31 -0.01	9.06 -0.01	1481194	3931464	69.736	76.788	116	128	**116**	Y

Prep Amount:	30.00 g	**Dilution:**	1
Prep Final Amount:	50.00 mL	**Basis Factor:**	100.00

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

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1st 11/16/20
2nd UA 11/17/20

Quantitation Report

Data File:	J:\gc24\data\111420\11140006.D\	**Instrument:**	K-GC-24
Acqu Date:	11/14/20 16:10:00	**Vial:**	16
Run Type:	LCS	**Dilution:**	1
Lab ID:	KQ2017246-03	**Raw Units:**	ppb

Bottle ID:		**Tier:**	IV	**Matrix:**	Sediment
Prod Code:	HERB	**Collect Date:**	10/28/20	**Receive Date:**	11/3/20

Analysis Lot:	703599	**Prep Lot:**	369146	**Report Group:**	KQ2017246
Analysis	8151A	**Prep Method:**	Method		
		Prep Date:	11/4/20		

Title:	Chlorinated Herbicides by GC	**Calibration ID:**	KC2000566
		Report List ID:	18726

Surrogate Compounds

Parameter Name	RT 1	RT 2	Resp 1	Resp 2	Solution Conc 1	Solution Conc 2	% Rec 1	% Rec 2	% Rec	% Rec Criteria	Rpt?
2,4-Dichlorophenylacetic Acid	7.98 -0.02	7.81 -0.01	1326042	3366223	72.873	79.584	73	80	73	26 - 127	Y

Target Compounds

Final Conc.Units: ug/Kg

Parameter Name	RT 1	RT 2	Resp 1	Resp 2	Solution Conc 1	Solution Conc 2		Final Conc 1	Final Conc 2	Primary Conc	Rpt?
2,4,5-T	10.69 -0.02	10.53 -0.01	5539199	15220394	67.134	79.535		112	133	**112**	Y
2,4,5-TP (Silvex)	10.25 -0.01	10.13 -0.01	6504545	16849277	69.433	83.002^{CCV}	RO	116	138	**116**	Y
2,4-D	9.31 -0.01	9.06 -0.01	1481194	3931464	69.736	76.788		116	128	**116**	Y
2,4-DB	11.27 -0.02	11.16 -0.02	724357	1687407	70.604	58.155		118	96.9	**96.9**	Y
Dalapon	3.12 -0.01	2.88	1356425	3324381	55.916	68.810		93.2	115	**93.2**	Y
Dicamba	8.21 -0.01	7.92 -0.01	4941879	10936500	70.801	73.789		118	123	**118**	Y
Dichlorprop	8.96 -0.01	8.75 -0.01	1326851	3050604	71.153	73.129		119	122	**119**	Y
Dinoseb	11.67 -0.02	11.31 -0.02	2989489	6335121	48.322	46.324		80.5	77.2	**77.2**	Y
MCPA	8.55 -0.02	8.35 -0.01	435751	2058491	7442.053	9000.817^{CCV}	RO	12400	15000	**12400**	Y
MCPP	8.29 -0.01	8.10 -0.01	342534	1473367	7879.825	8764.252^{CCV}	RO	13100	14600	**13100**	Y

Prep Amount:	30.00 g	**Dilution:**	1
Prep Final Amount:	50.00 mL	**Basis Factor:**	100.00

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

Printed: 11/17/20 15:41
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Quantitation Report (QT Reviewed)

1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140006.D Vial: 4
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 4:10 pm Operator: UA
Sample : KQ2017246-03LCS Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 17:46:52 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm

		Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
		System Monitoring Compounds						
2)	s	2,4-Dichl...	7.984	7.813	1326042	3366223	72.873	79.584
		Target Compounds						
1)	m	Dalapon	3.124	2.877	1356425	3324381	55.916m	68.810m
3)	m	Dicamba	8.207	7.917	4941879	10936500	70.801	73.789
4)	m	MCPP	8.290	8.103	342534	1473367	7879.825	8764.252
5)	m	MCPA	8.554	8.350	435751	2058491	7442.053	9000.817
6)	m	Dichloroprop	8.957	8.750	1326851	3050604	71.153	73.129
7)	m	2,4-D	9.310	9.057	1481194	3931464	69.736	76.788m
8)	m	2,4,5-TP ...	10.250	10.127	6504545	16849277	69.433	83.002m
9)	m	2,4,5-T	10.694	10.530	5539199	15220394	67.134	79.535m
10)	m	2,4-DB	11.274	11.163	724357	1687407	70.604	58.155m
11)	m	Dinoseb	11.670	11.313	2989489	6335121	48.322m	46.324m

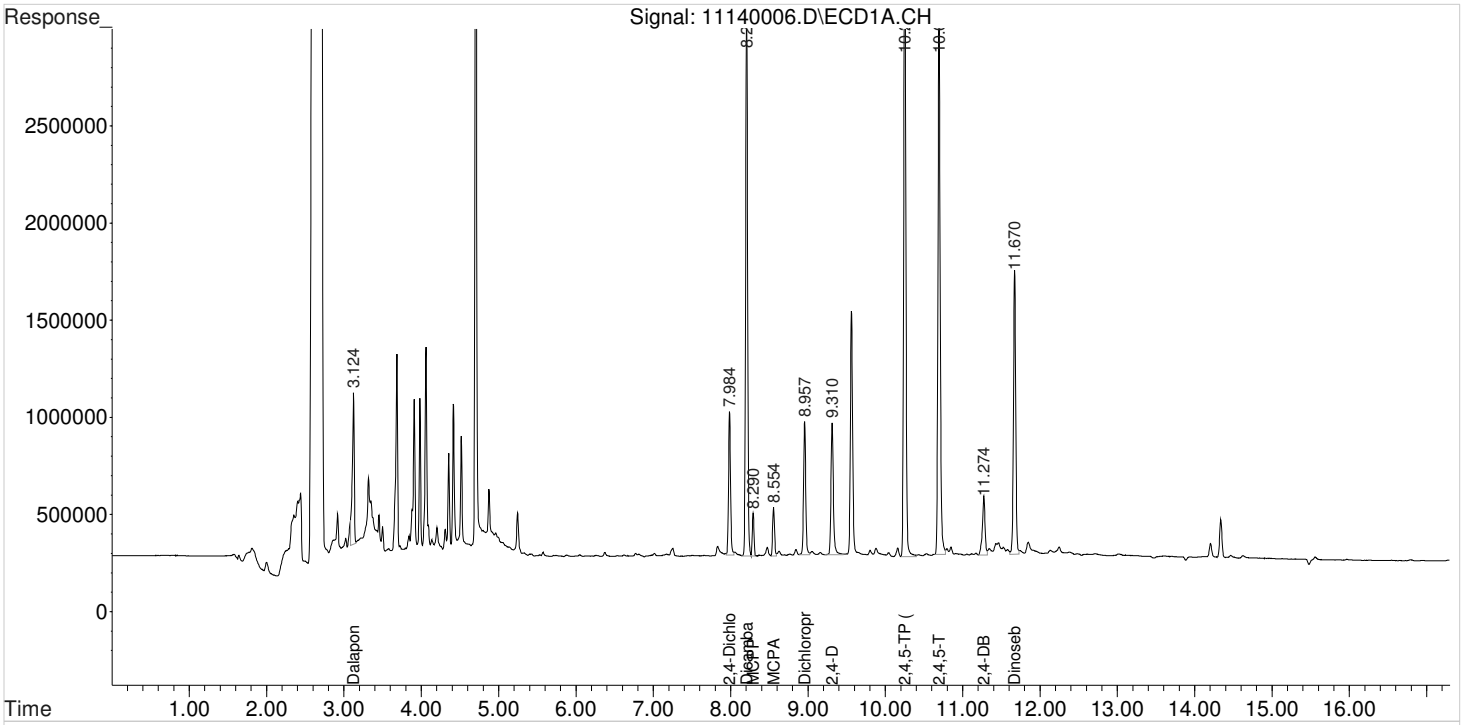
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

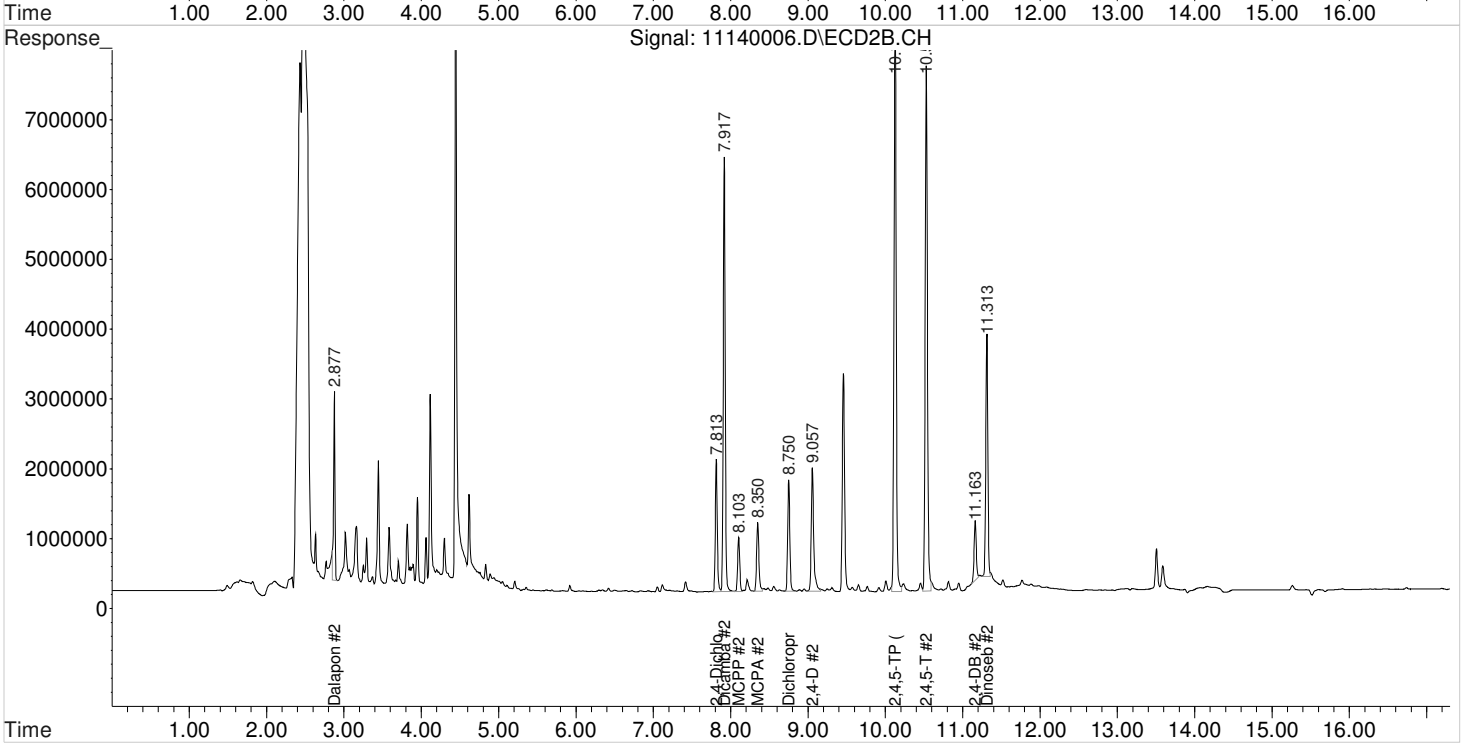
1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140006.D Vial: 4
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 4:10 pm Operator: UA
Sample : KQ2017246-03LCS Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 17:46:52 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





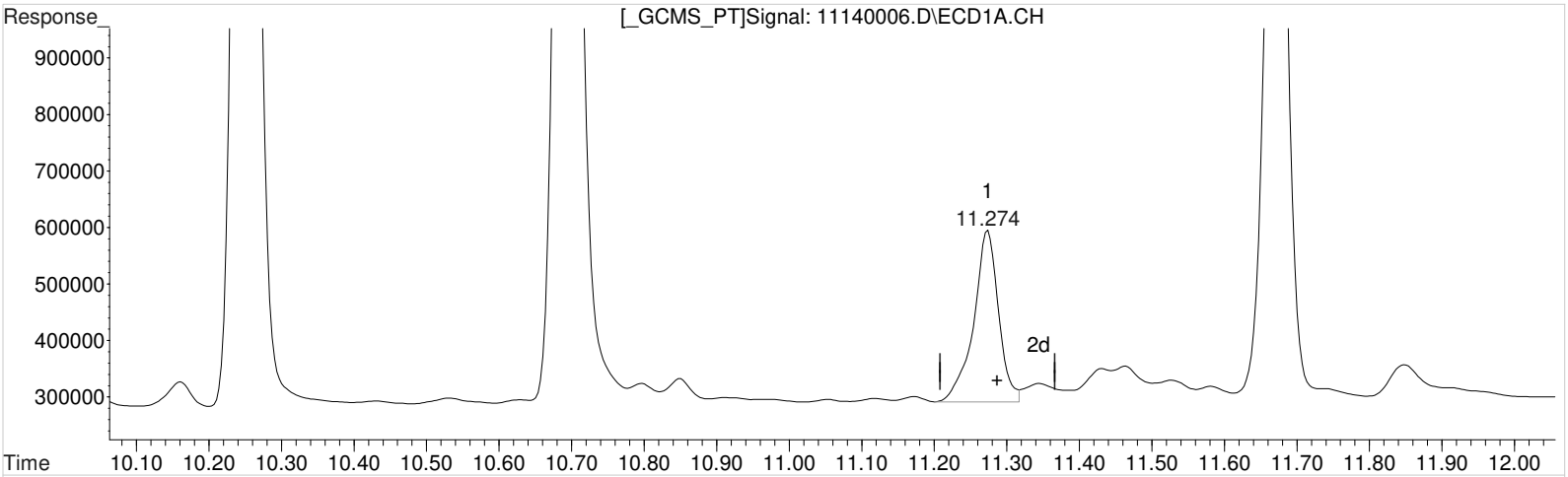
Quantitation Report (Qedit)

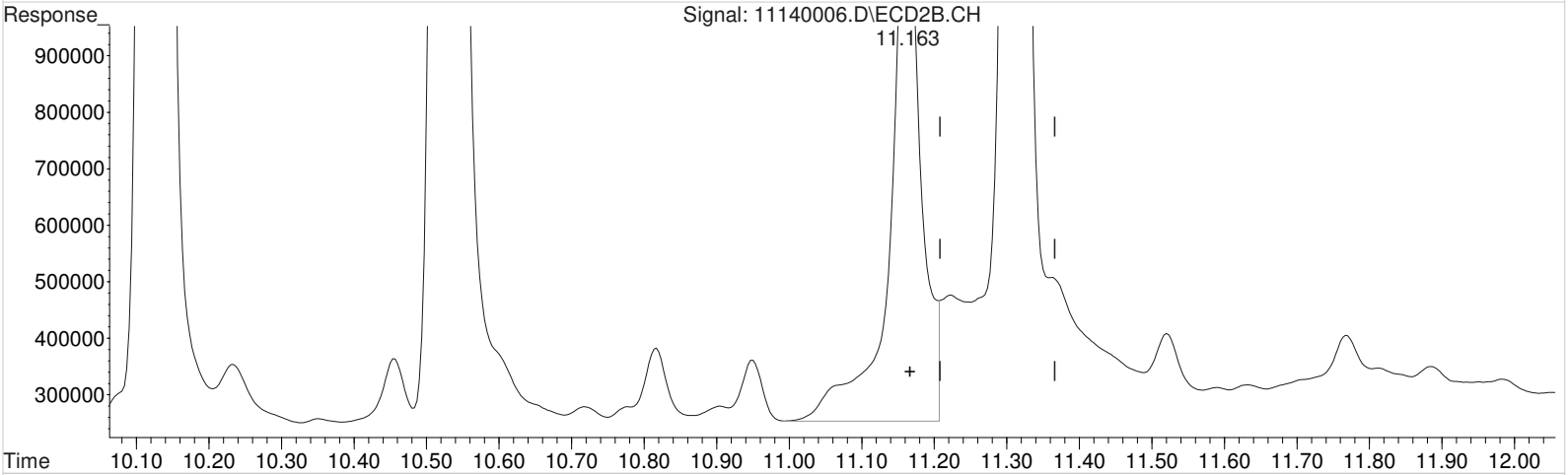
1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140006.D Vial: 4
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 4:10 pm Operator: UA
Sample : KQ2017246-03LCS Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 11:24:00 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(10) 2,4-DB (m)

11.274min 70.604 ppb

response 724357

(10) 2,4-DB #2 (m)

11.163min 97.965 ppb

response 2842539

Manual Integration:

Before

11/16/20

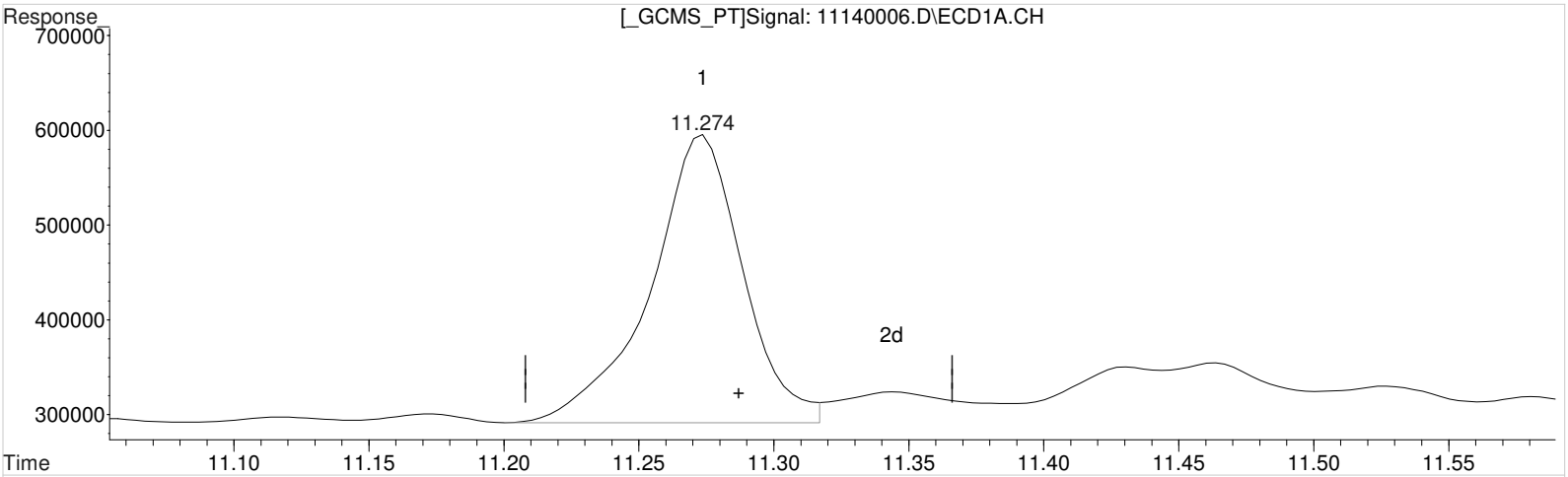
(+) = Expected Retention Time

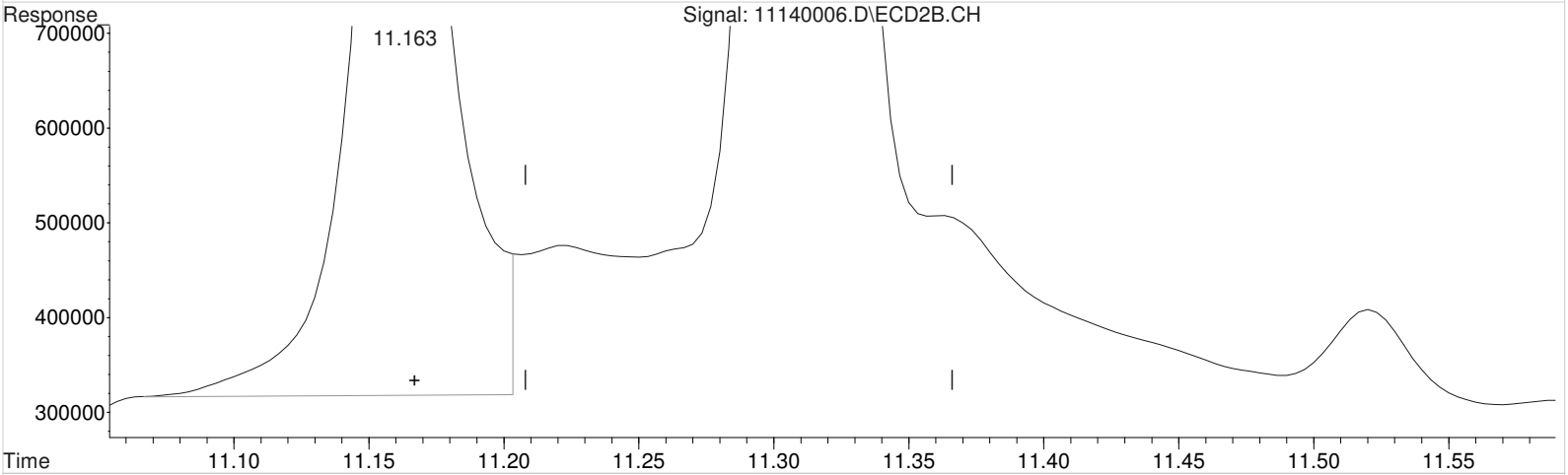
1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140006.D Vial: 4
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 4:10 pm Operator: UA
Sample : KQ2017246-03LCS Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 11:24:00 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(10) 2,4-DB (m)

11.274min 70.604 ppb

response 724357

(10) 2,4-DB #2 (m)

11.163min 74.685 ppb m

response 2167042

Manual Integration:

Before

11/16/20

(+) = Expected Retention Time

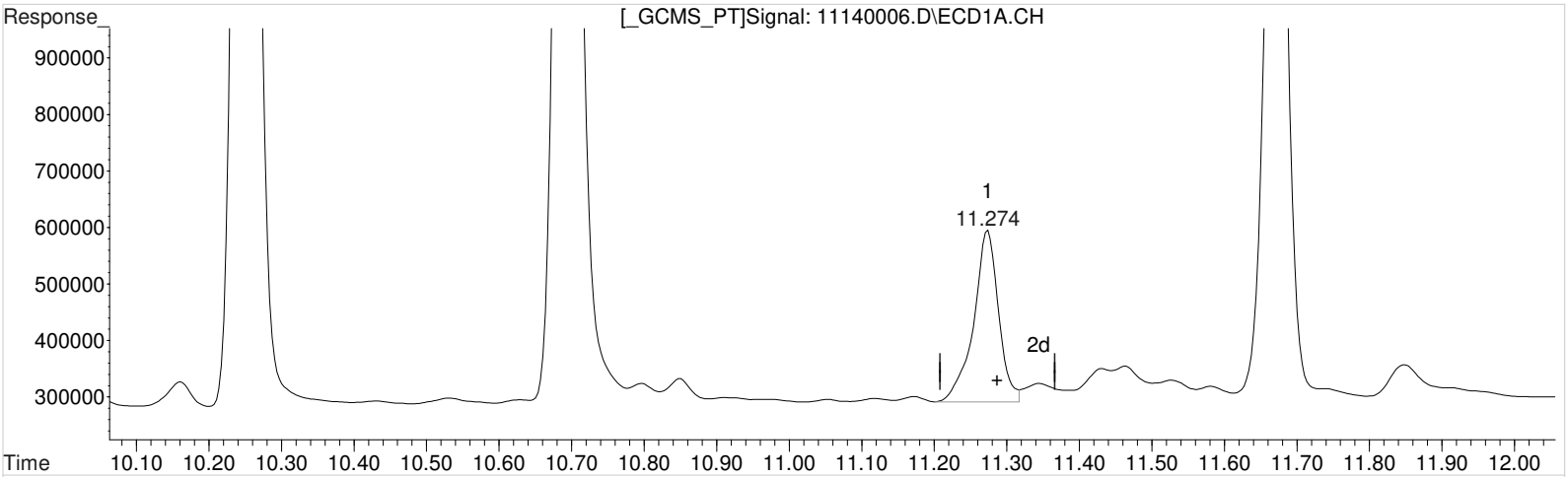
Quantitation Report (Qedit)

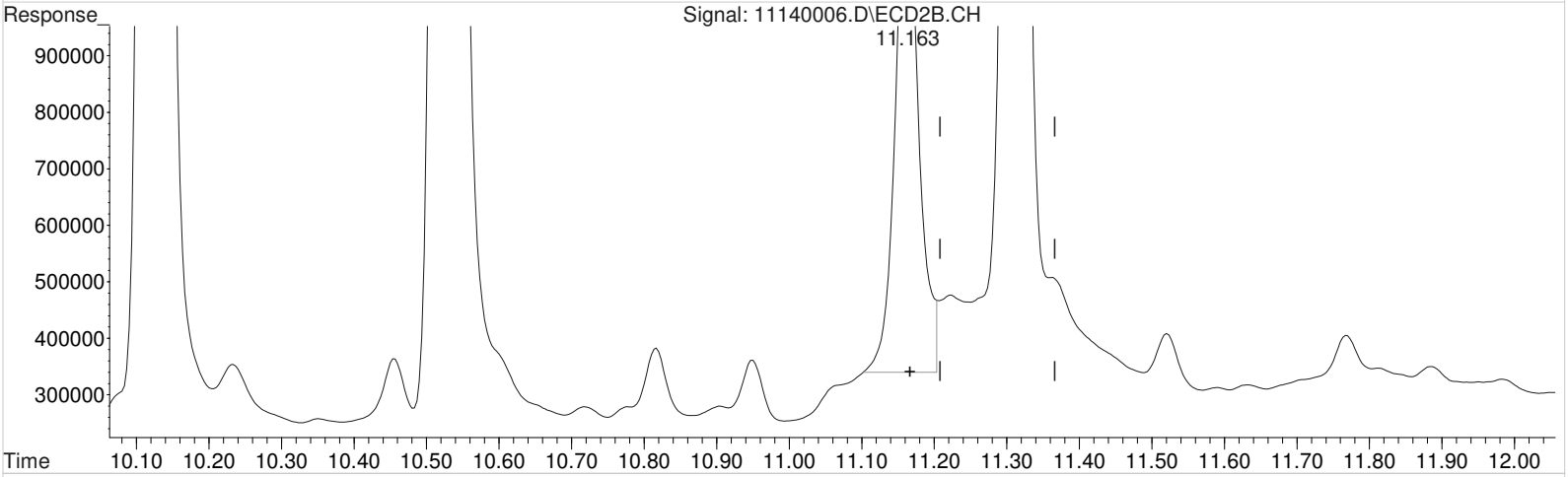
1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140006.D Vial: 4
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 4:10 pm Operator: UA
Sample : KQ2017246-03LCS Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 11:24:00 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(10) 2,4-DB (m)

11.274min 70.604 ppb

response 724357

Manual Integration:

After

Baseline/Shoulder

11/16/20

(10) 2,4-DB #2 (m)

11.163min 69.379 ppb m

response 2013084

(+) = Expected Retention Time

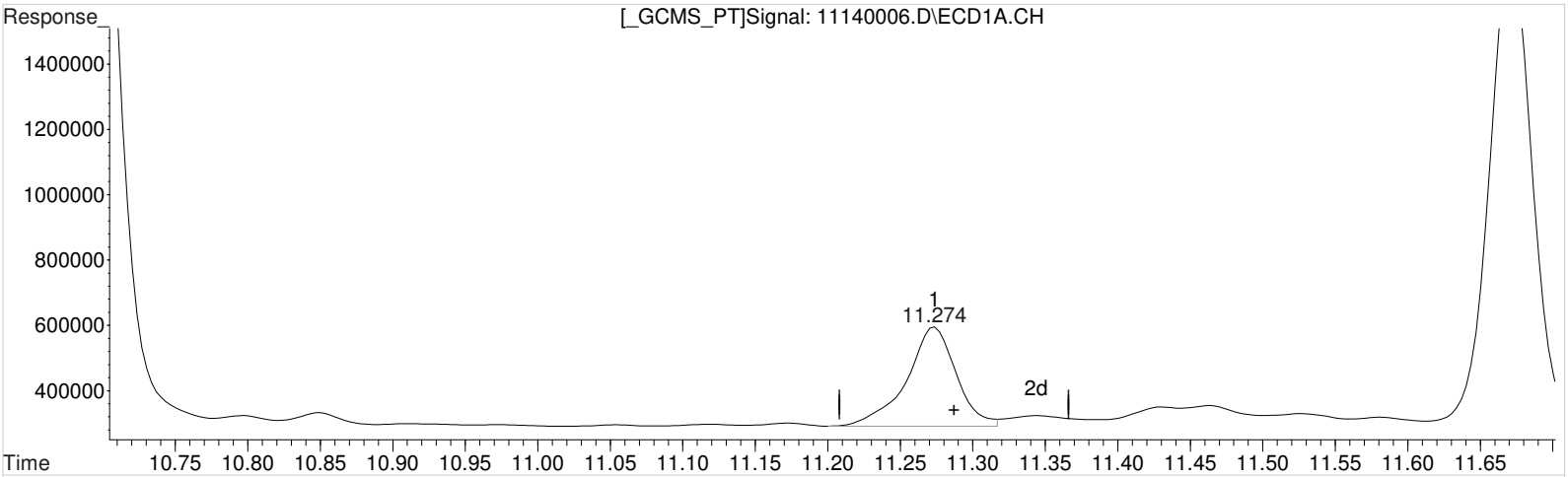
Quantitation Report (Qedit)

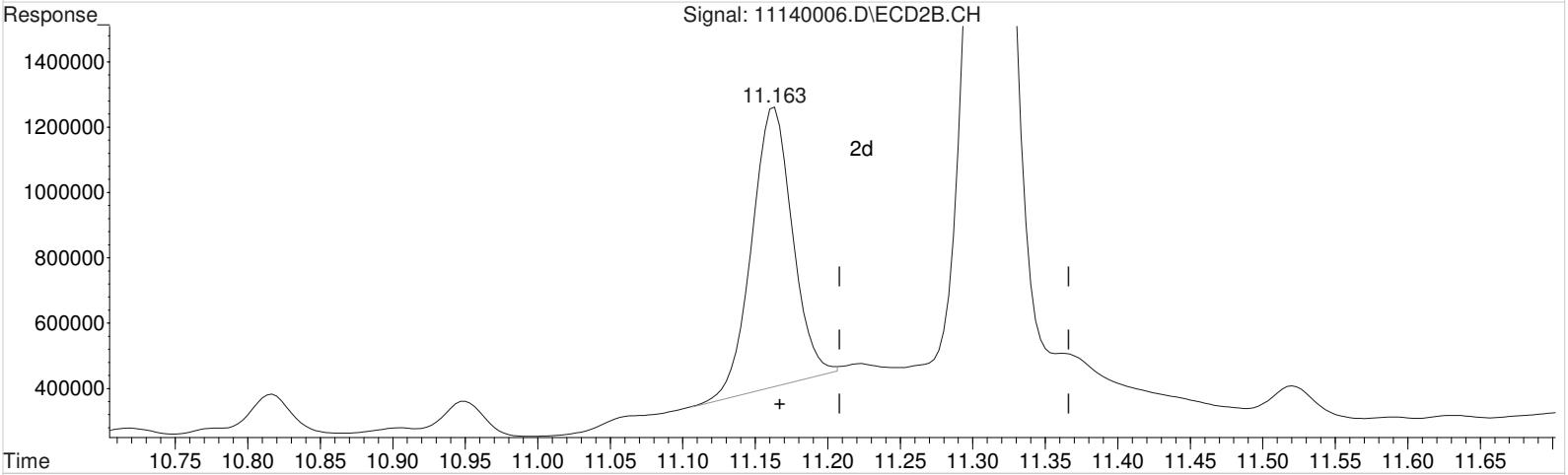
1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140006.D Vial: 4
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 4:10 pm Operator: UA
Sample : KQ2017246-03LCS Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 13:04:21 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(10) 2,4-DB (m)

11.274min 70.604 ppb

response 724357

(10) 2,4-DB #2 (m)

11.163min 58.155 ppb m

response 1687407

Manual Integration:

After

Baseline/Shoulder

11/16/20

(+) = Expected Retention Time

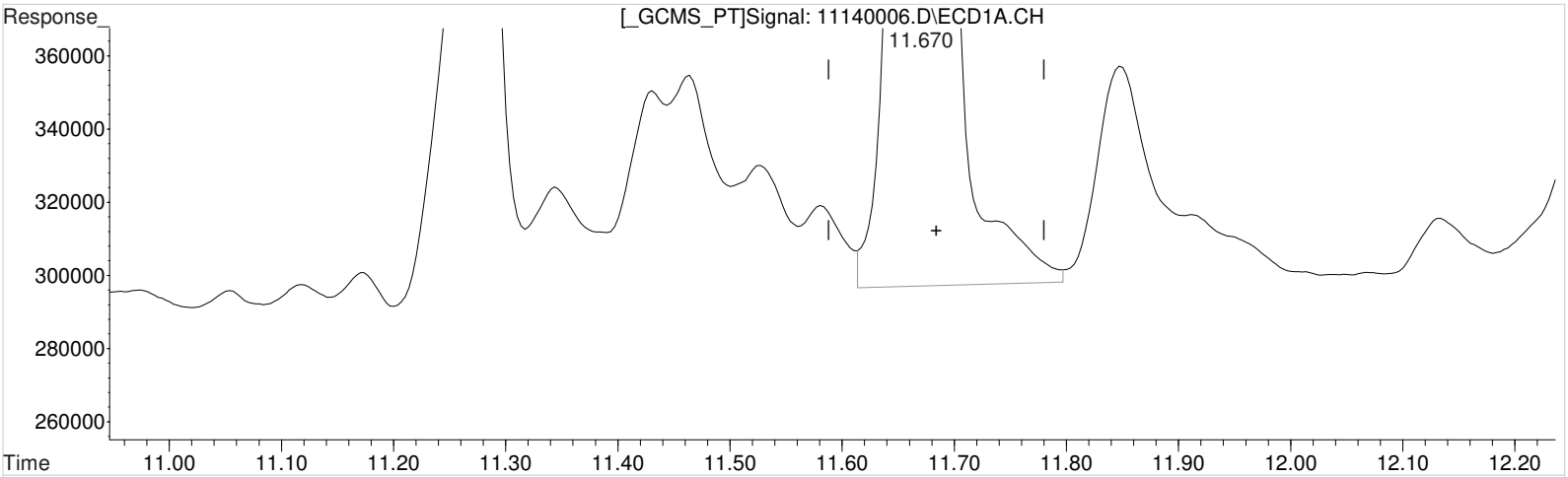
Quantitation Report (Qedit)

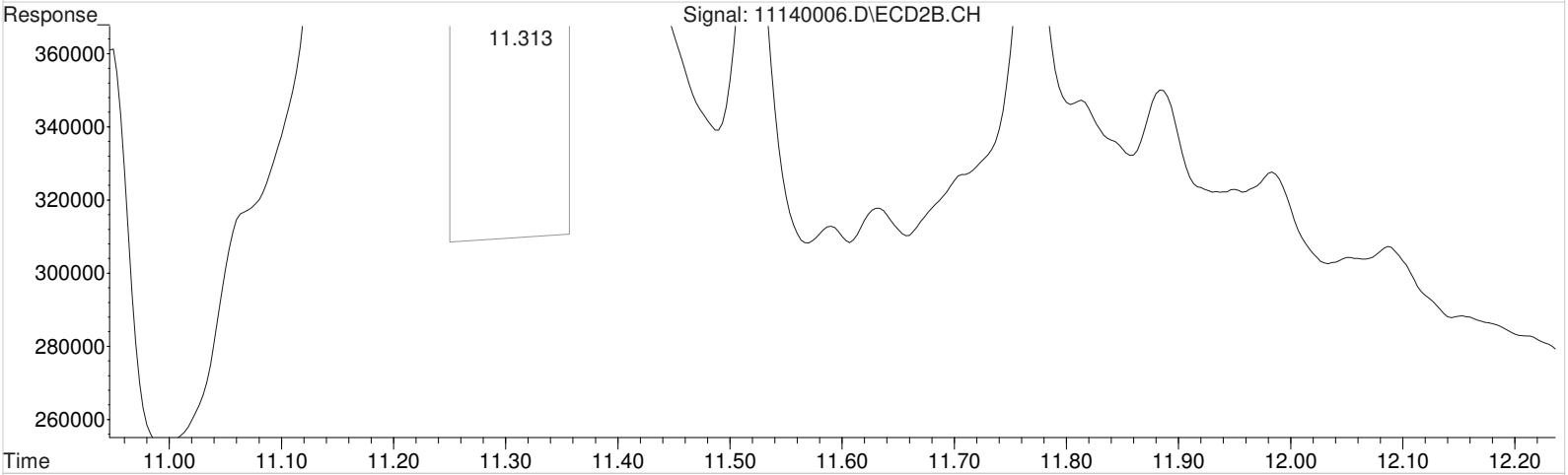
1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140006.D Vial: 4
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 4:10 pm Operator: UA
Sample : KQ2017246-03LCS Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 11:24:00 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(11) Dinoseb (m)

11.670min 48.801 ppb

response 3019143

Manual Integration:

Before

11/16/20

(11) Dinoseb #2 (m)

11.313min 53.392 ppb

response 7301748

(+) = Expected Retention Time

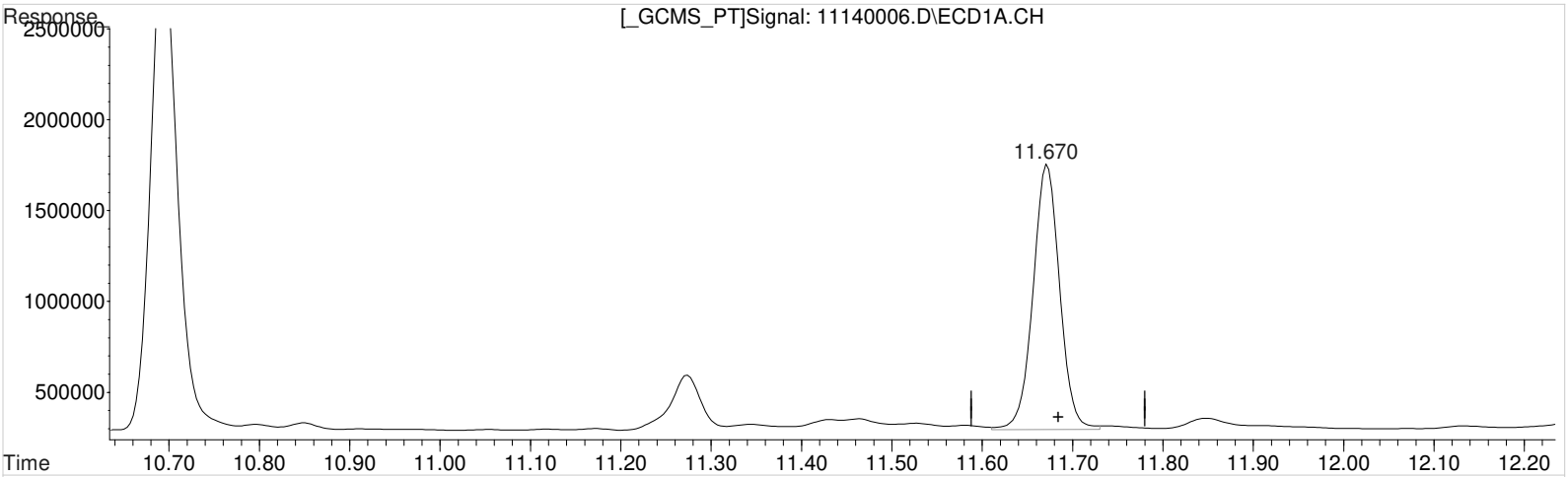
Quantitation Report (Qedit)

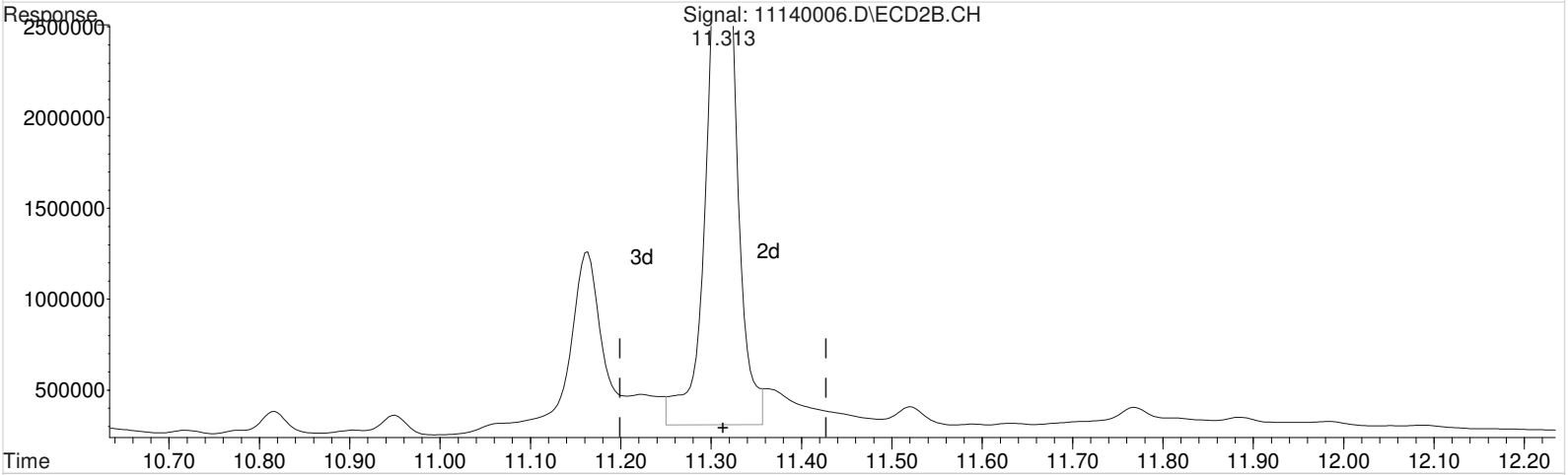
1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140006.D Vial: 4
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 4:10 pm Operator: UA
Sample : KQ2017246-03LCS Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 17:22:04 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(11) Dinoseb (m)

11.670min 48.322 ppb m

response 2989489

(11) Dinoseb #2 (m)

11.313min 53.392 ppb

response 7301748

Manual Integration:

Before

11/16/20

(+) = Expected Retention Time

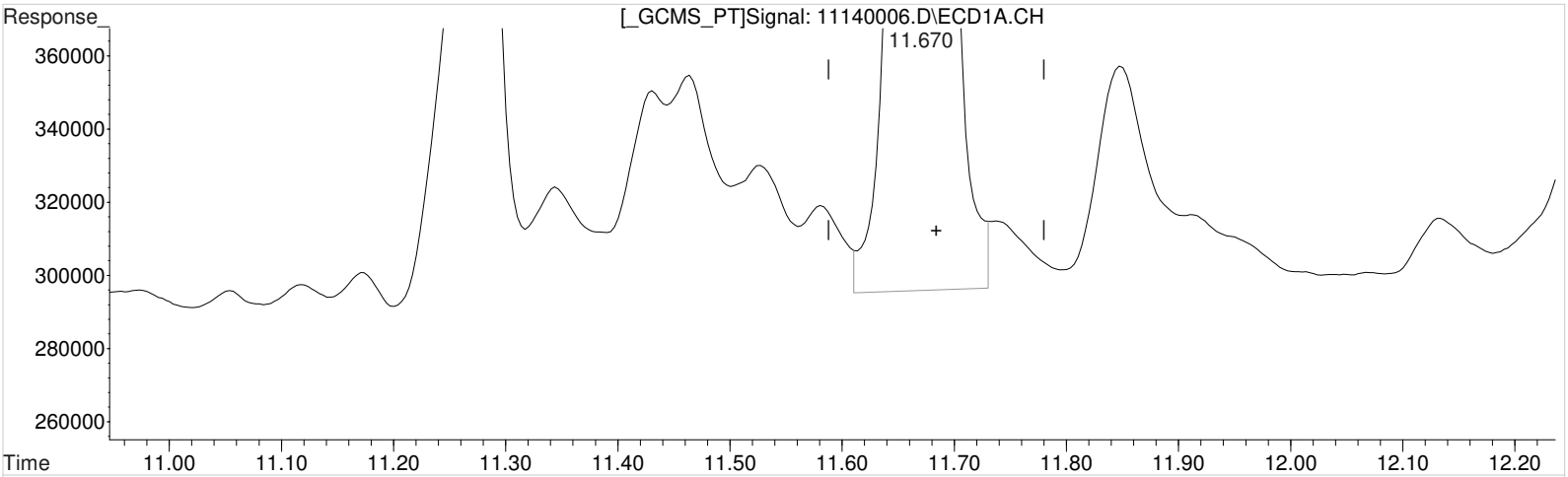
Quantitation Report (Qedit)

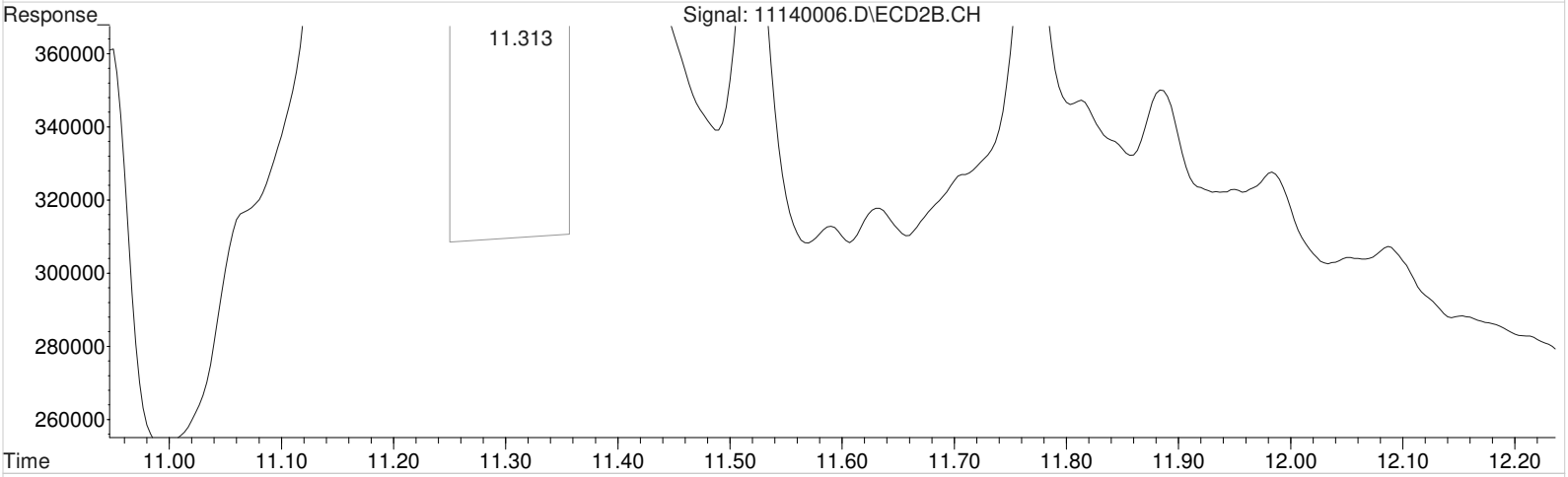
1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140006.D Vial: 4
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 4:10 pm Operator: UA
Sample : KQ2017246-03LCS Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 11:24:00 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(11) Dinoseb (m)

11.670min 48.322 ppb m

response 2989489

Manual Integration:

After

Baseline/Shoulder

11/16/20

(11) Dinoseb #2 (m)

11.313min 53.392 ppb

response 7301748

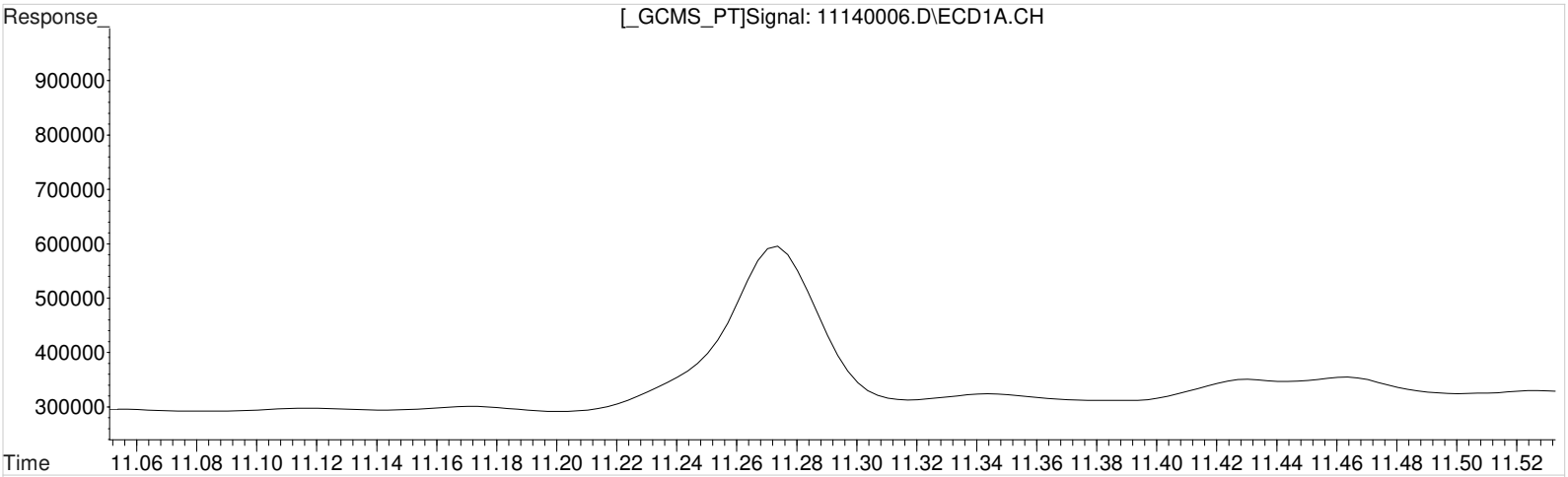
(+) = Expected Retention Time

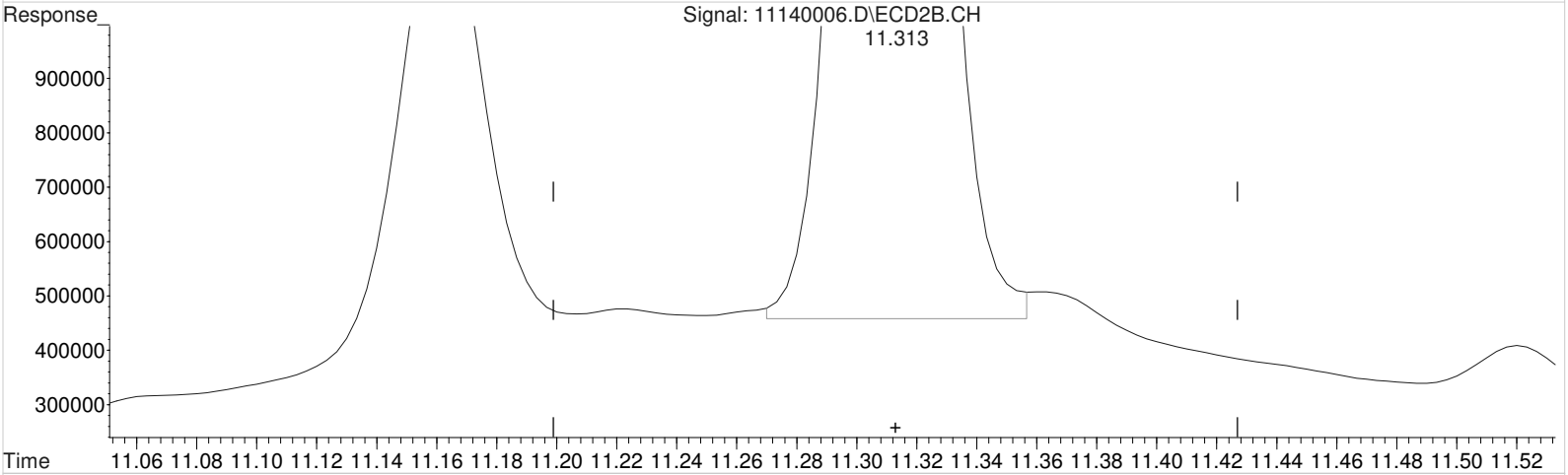
1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140006.D Vial: 4
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 4:10 pm Operator: UA
Sample : KQ2017246-03LCS Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 17:22:04 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(11) Dinoseb (m)

11.670min 48.322 ppb m

response 2989489

Manual Integration:

After

Baseline/Shoulder

11/16/20

(11) Dinoseb #2 (m)

11.313min 46.324 ppb m

response 6335121

(+) = Expected Retention Time

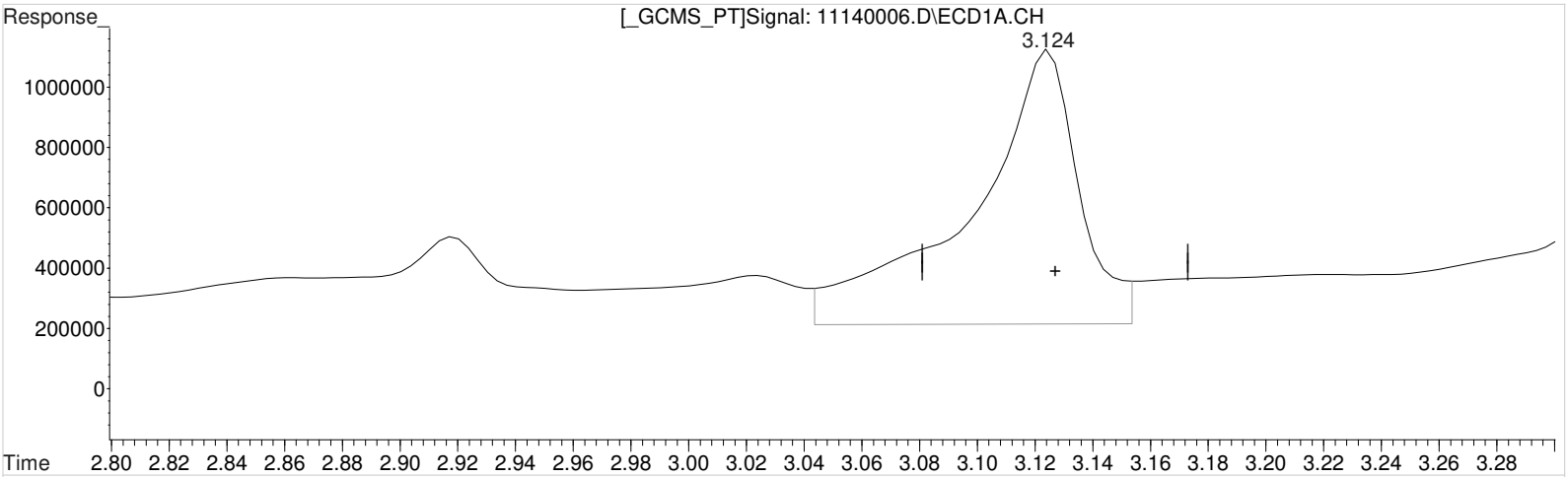
Quantitation Report (Qedit)

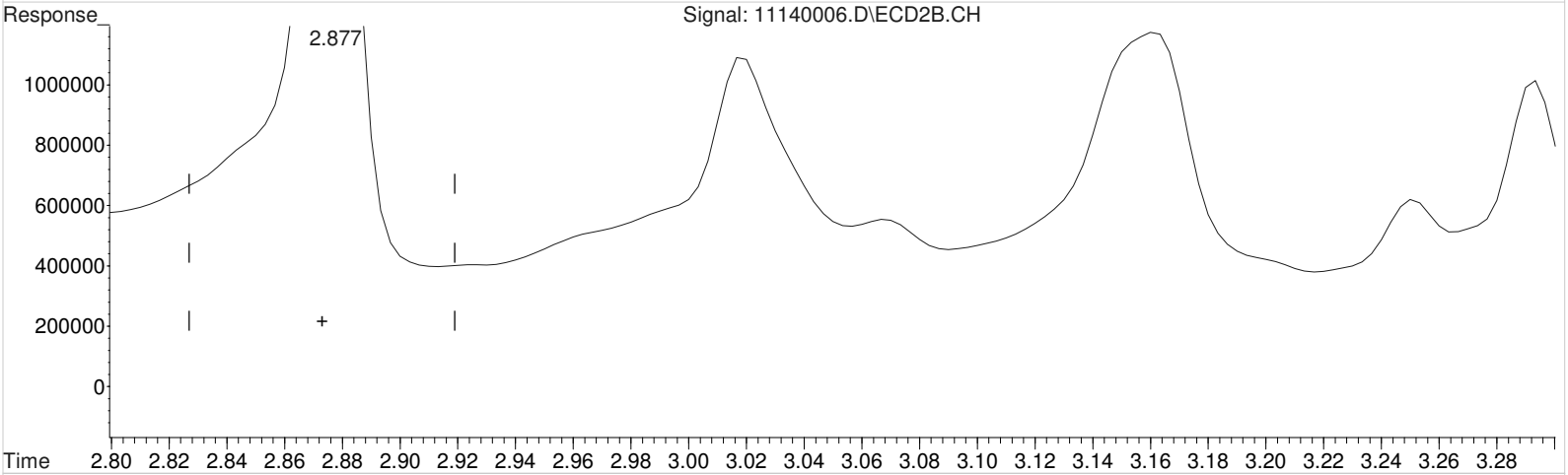
1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140006.D Vial: 4
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 4:10 pm Operator: UA
Sample : KQ2017246-03LCS Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 11:24:00 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(1) Dalapon (m)

3.124min 97.419 ppb

response 2363232

Manual Integration:

Before

11/16/20

(1) Dalapon #2 (m)

2.877min 115.614 ppb

response 5585622

(+) = Expected Retention Time

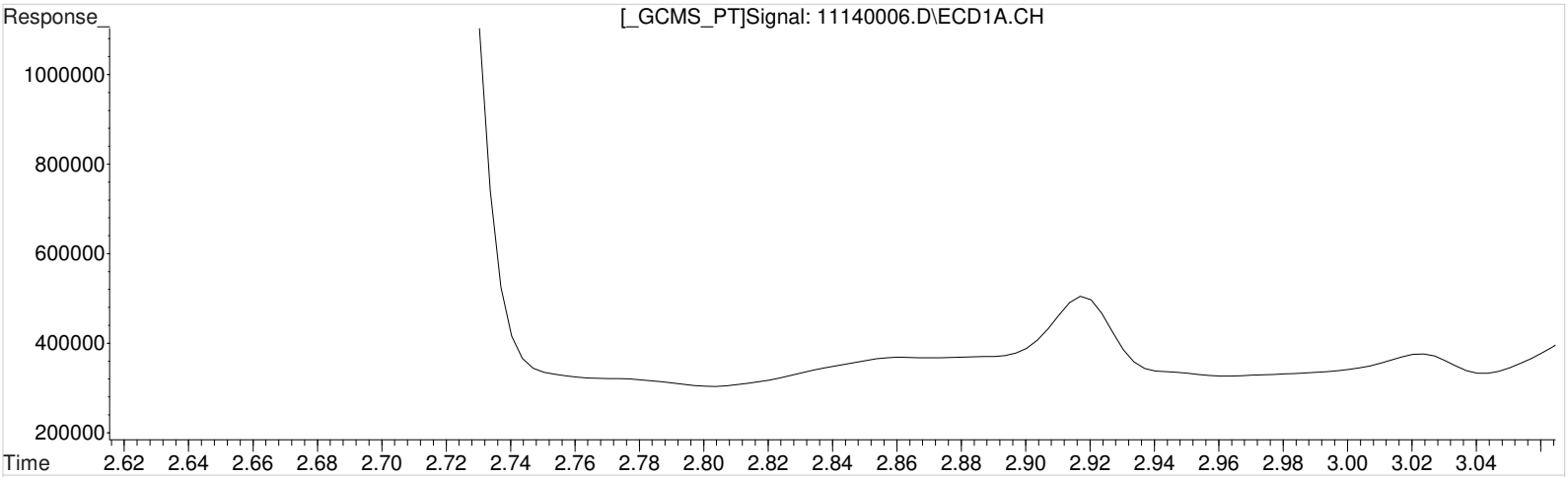
Quantitation Report (Qedit)

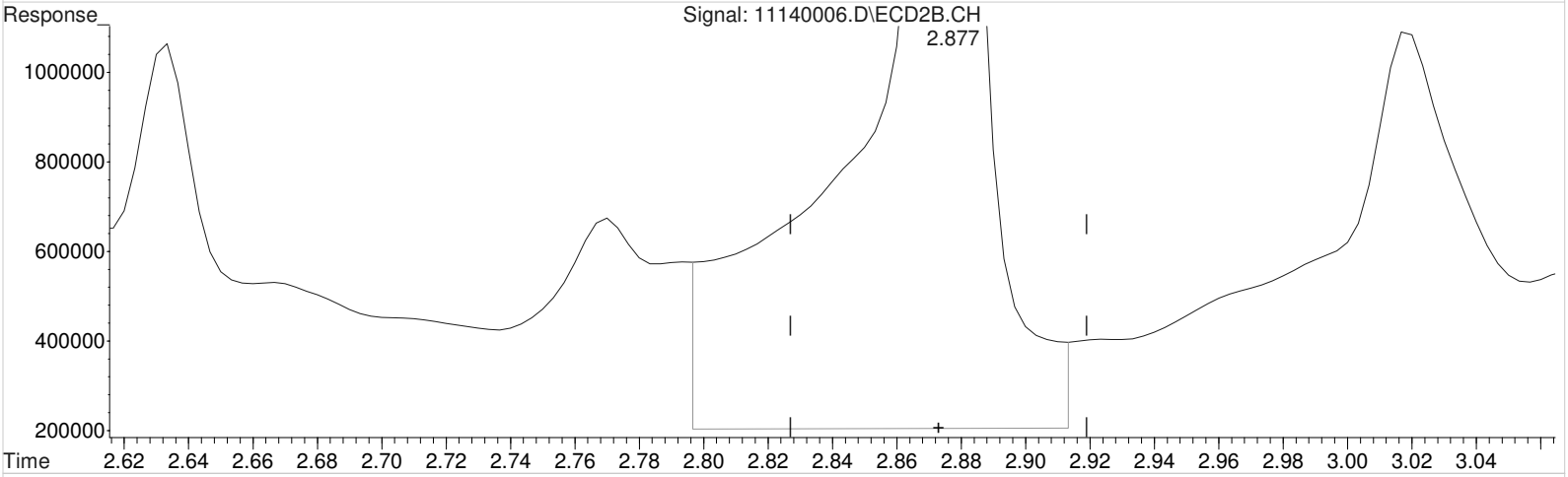
1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140006.D Vial: 4
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 4:10 pm Operator: UA
Sample : KQ2017246-03LCS Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 11:24:00 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(1) Dalapon (m)

3.124min 55.916 ppb m

response 1356425

(1) Dalapon #2 (m)

2.877min 115.614 ppb

response 5585622

Manual Integration:

Before

11/16/20

(+) = Expected Retention Time

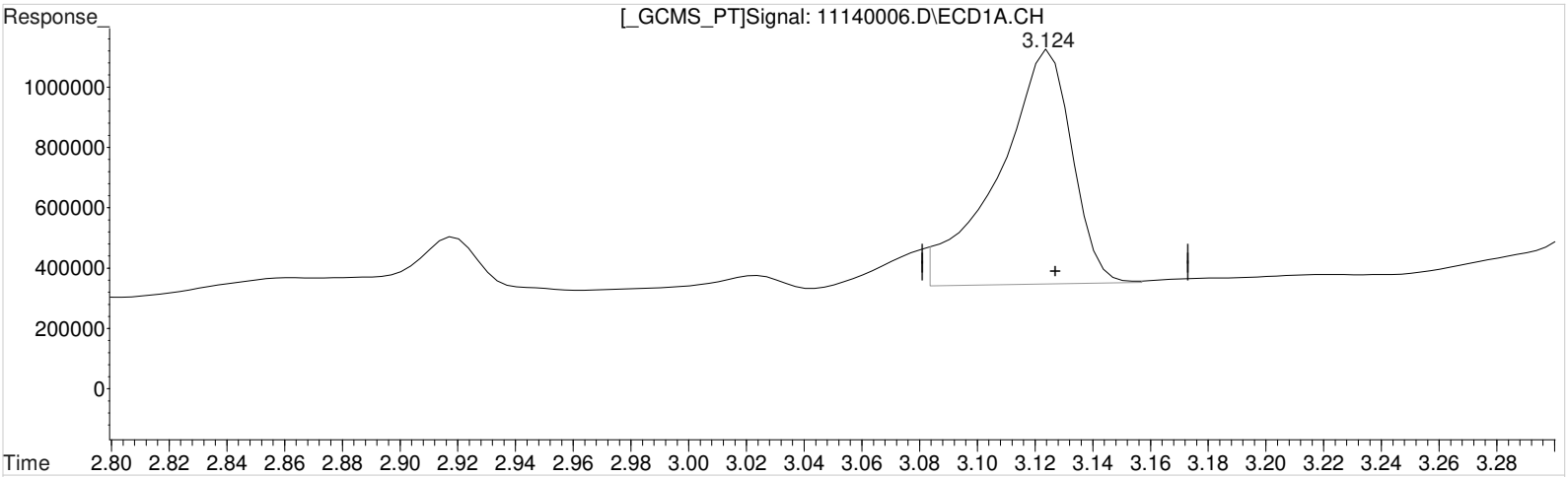
Quantitation Report (Qedit)

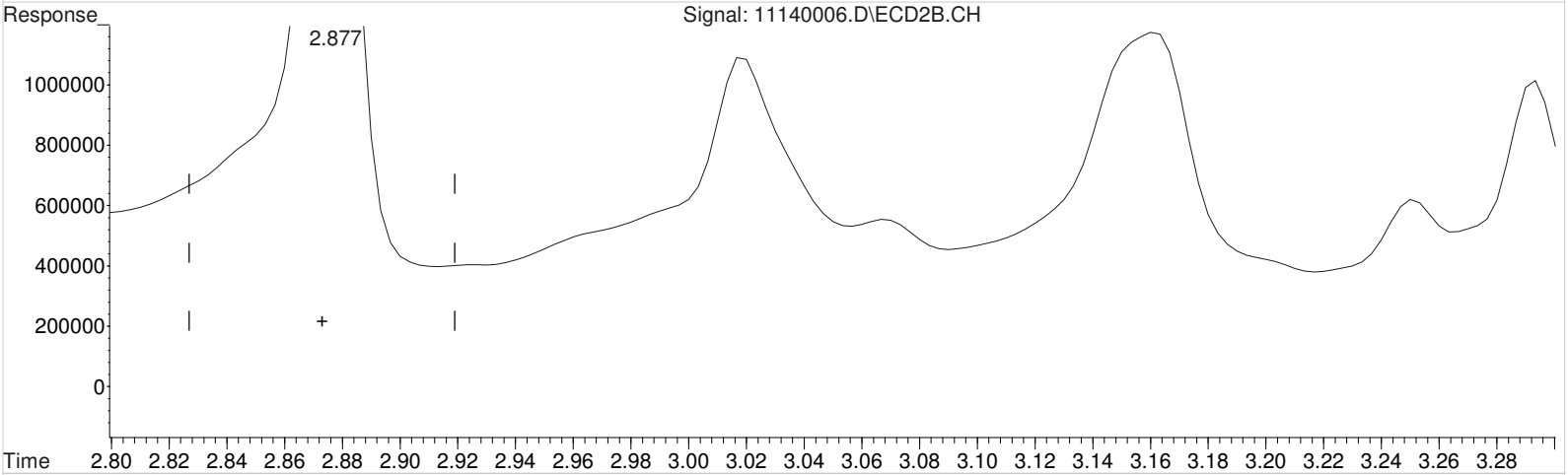
1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140006.D Vial: 4
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 4:10 pm Operator: UA
Sample : KQ2017246-03LCS Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 11:24:00 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(1) Dalapon (m)

3.124min 55.916 ppb m

response 1356425

Manual Integration:

After

Baseline/Shoulder

11/16/20

(1) Dalapon #2 (m)

2.877min 115.614 ppb

response 5585622

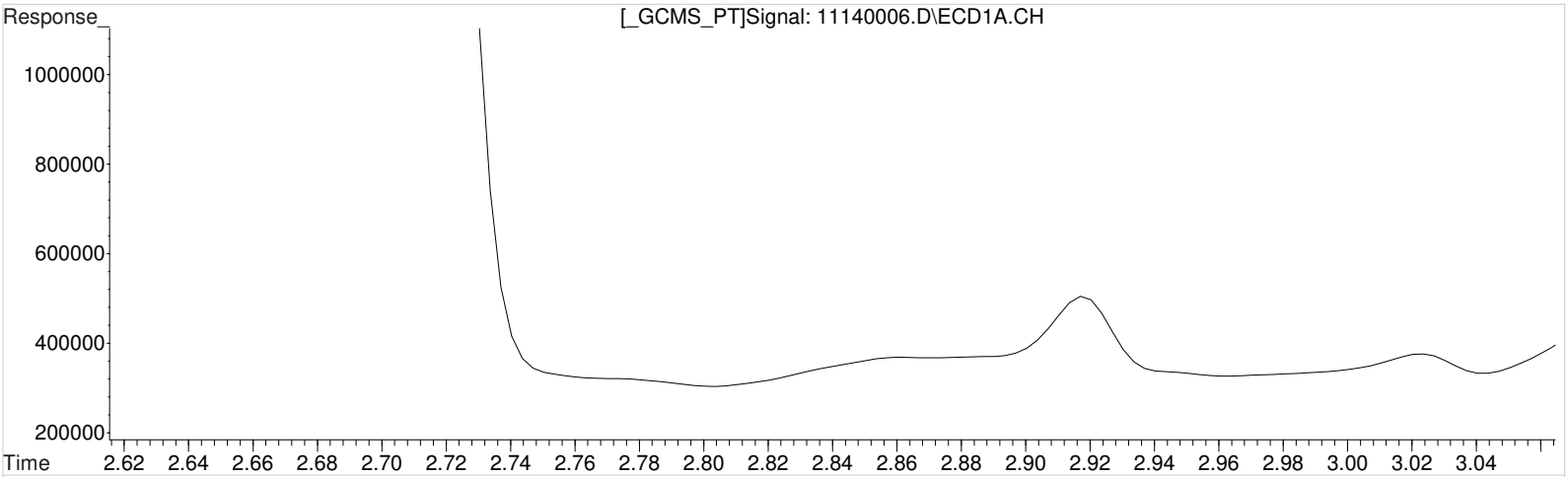
(+) = Expected Retention Time

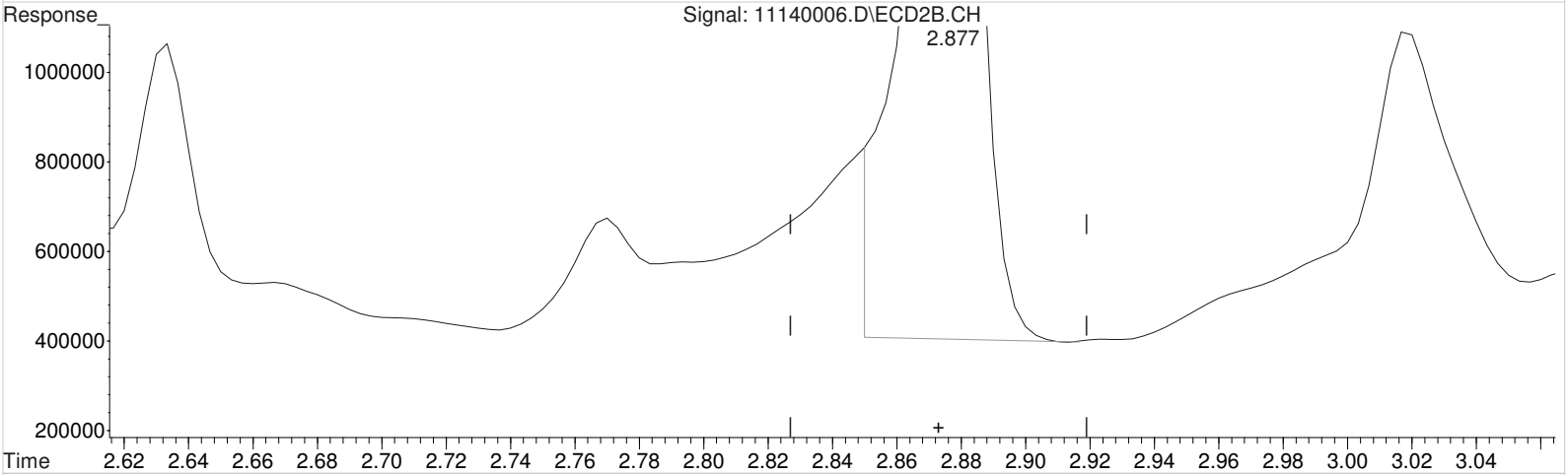
1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140006.D Vial: 4
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 4:10 pm Operator: UA
Sample : KQ2017246-03LCS Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 11:24:00 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(1) Dalapon (m)

3.124min 55.916 ppb m

response 1356425

(1) Dalapon #2 (m)

2.877min 68.810 ppb m

response 3324381

Manual Integration:

After

Baseline/Shoulder

11/16/20

(+) = Expected Retention Time

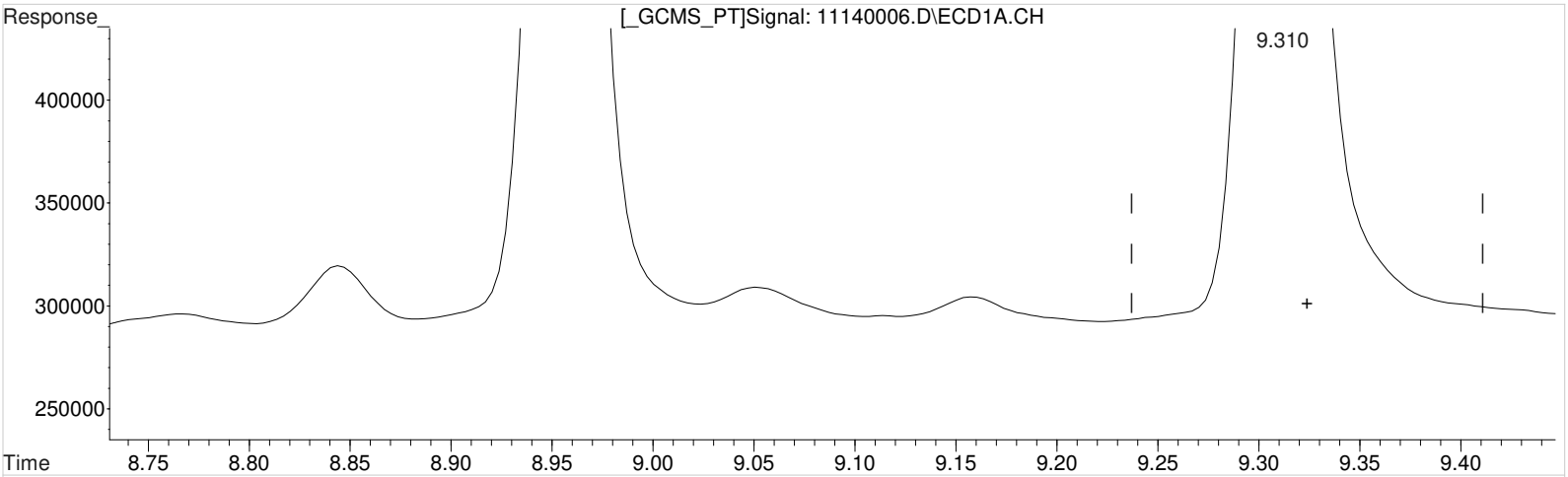
Quantitation Report (Qedit)

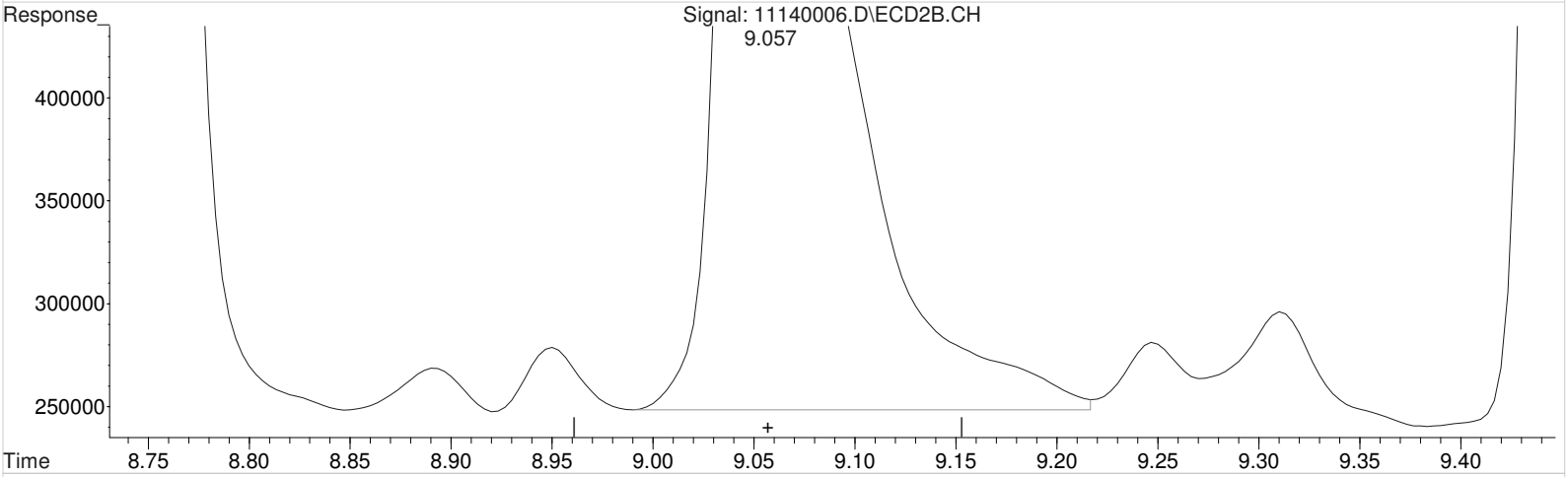
1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140006.D Vial: 4
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 4:10 pm Operator: UA
Sample : KQ2017246-03LCS Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 11:24:00 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(7) 2,4-D (m)

9.310min 69.736 ppb

response 1481194

Manual Integration:

Before

11/16/20

(7) 2,4-D #2 (m)

9.057min 77.648 ppb

response 3975456

(+) = Expected Retention Time

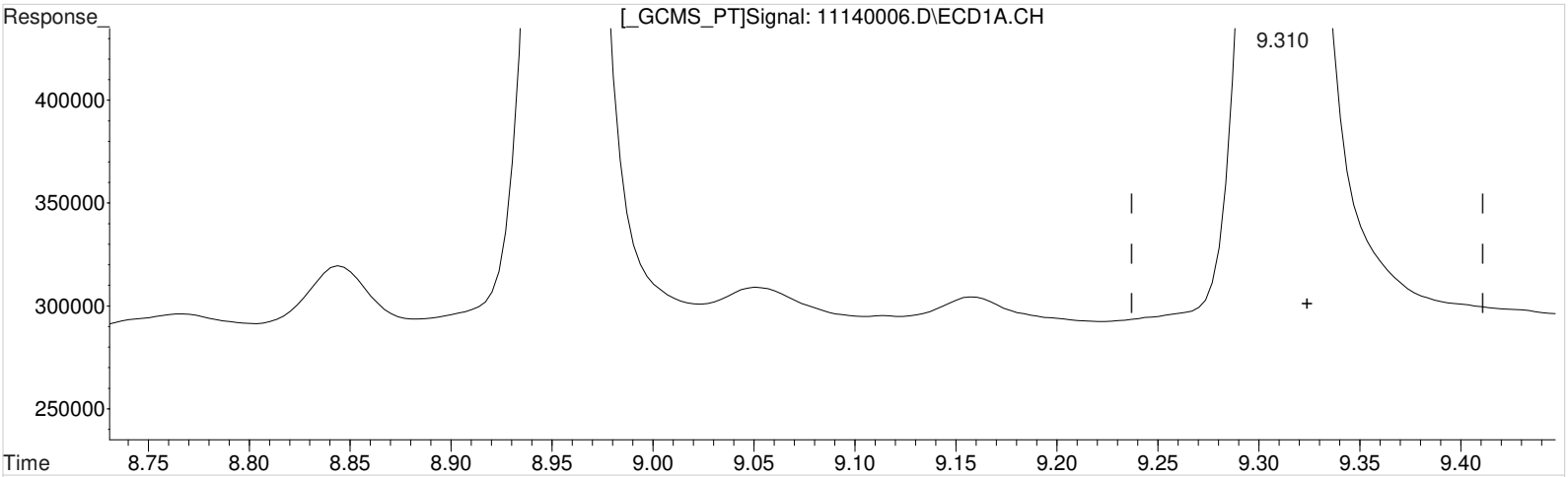
Quantitation Report (Qedit)

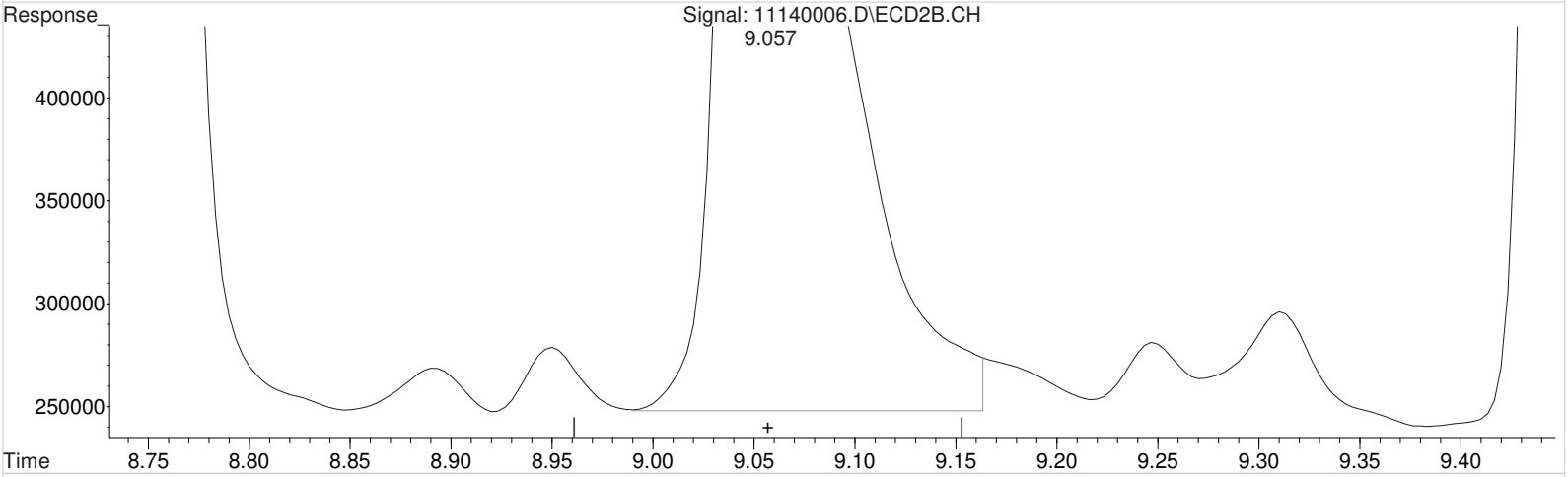
1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140006.D Vial: 4
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 4:10 pm Operator: UA
Sample : KQ2017246-03LCS Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 11:24:00 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(7) 2,4-D (m)

9.310min 69.736 ppb

response 1481194

Manual Integration:

After

Baseline/Shoulder

11/16/20

(7) 2,4-D #2 (m)

9.057min 76.788 ppb m

response 3931464

(+) = Expected Retention Time

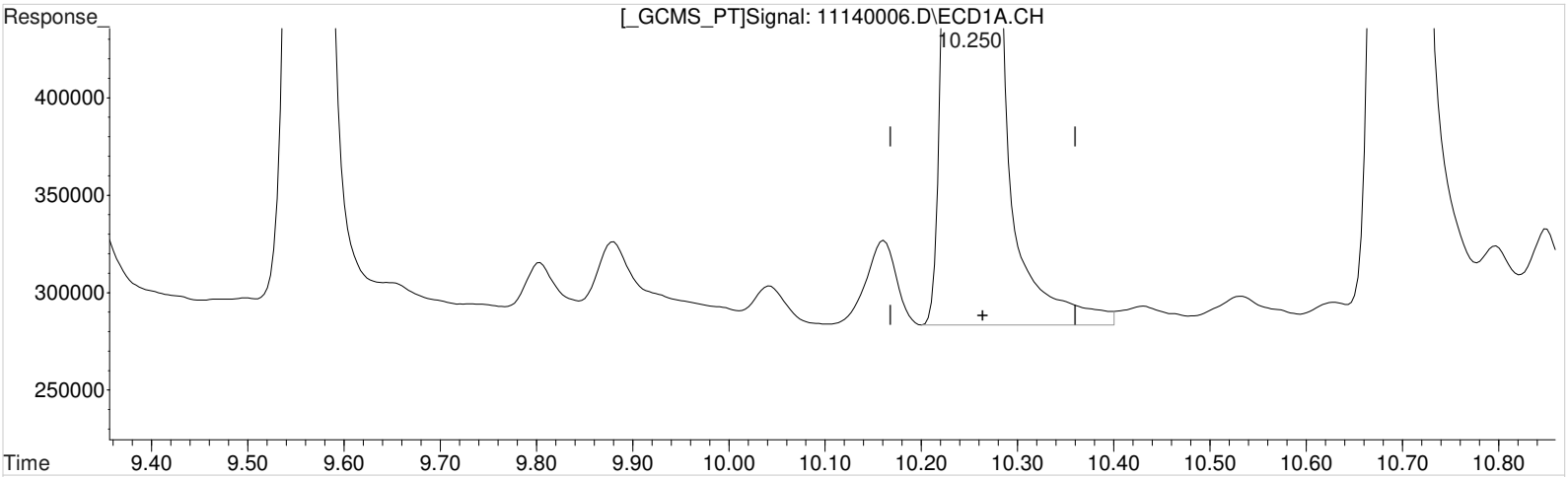
Quantitation Report (Qedit)

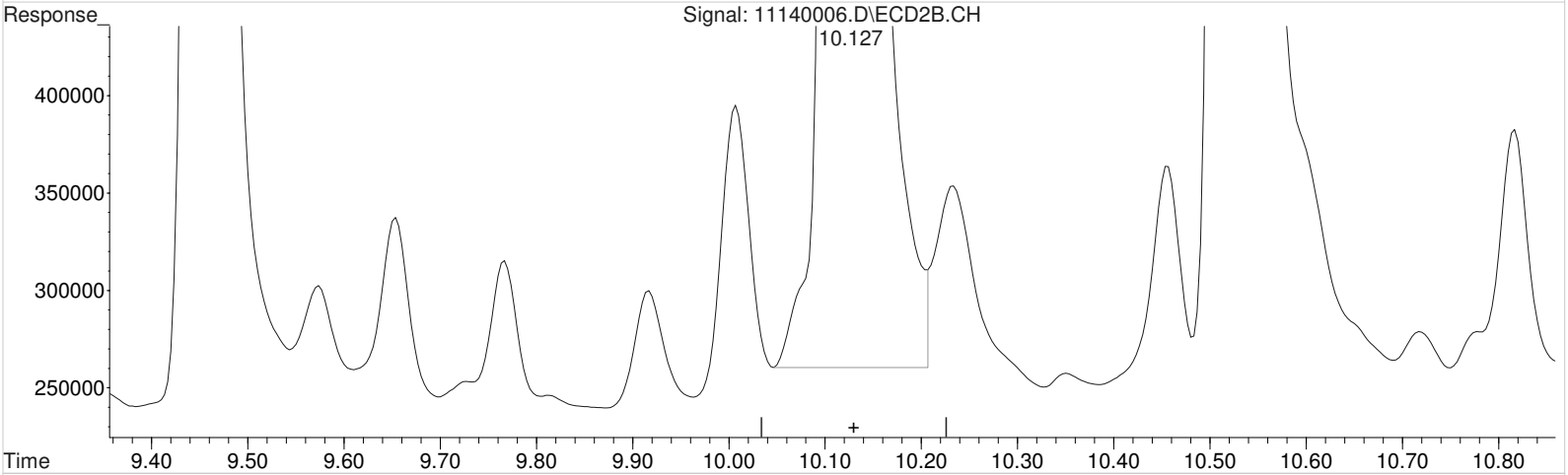
1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140006.D Vial: 4
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 4:10 pm Operator: UA
Sample : KQ2017246-03LCS Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 11:24:00 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(8) 2,4,5-TP (Silvex) (m)

10.250min 69.433 ppb

response 6504545

Manual Integration:

Before

11/16/20

(8) 2,4,5-TP (Silvex) #2 (m)

10.127min 82.474 ppb

response 16741985

(+) = Expected Retention Time

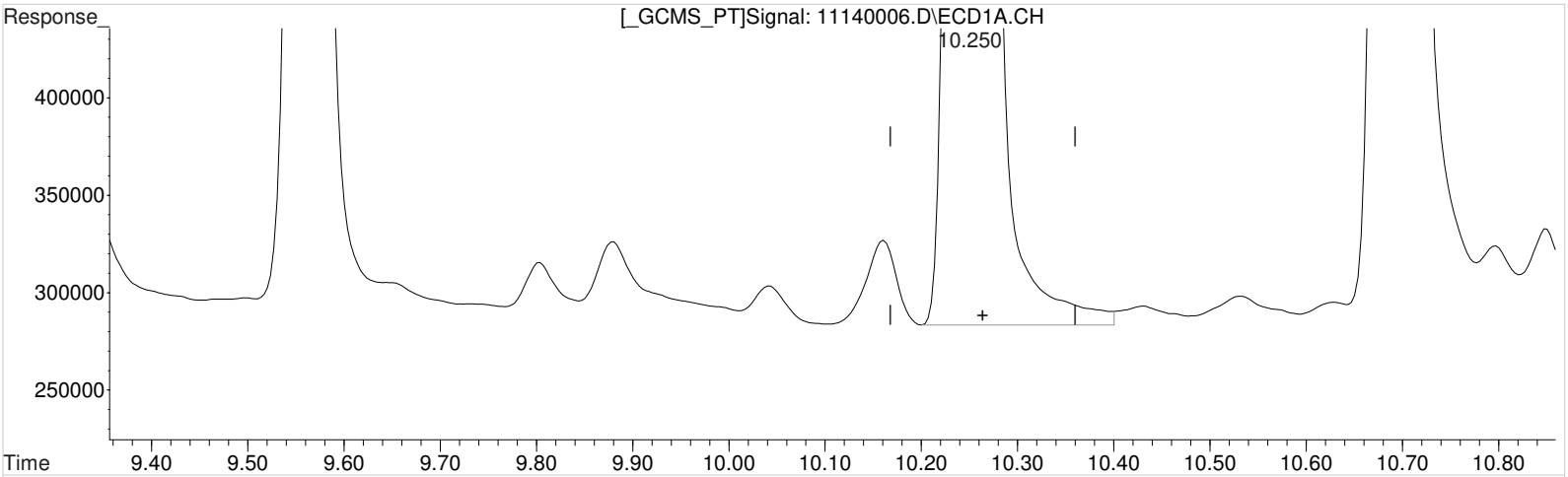
Quantitation Report (Qedit)

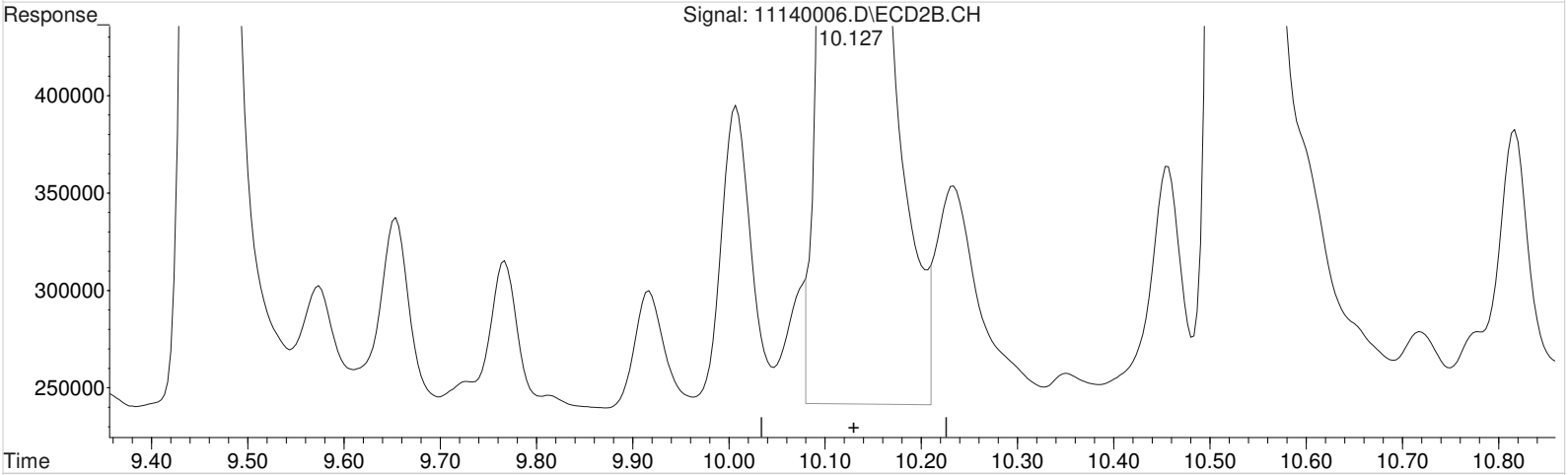
1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140006.D Vial: 4
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 4:10 pm Operator: UA
Sample : KQ2017246-03LCS Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 11:24:00 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(8) 2,4,5-TP (Silvex) (m)

10.250min 69.433 ppb

response 6504545

Manual Integration:

After

Baseline/Shoulder

11/16/20

(8) 2,4,5-TP (Silvex) #2 (m)

10.127min 83.002 ppb m

response 16849277

(+) = Expected Retention Time

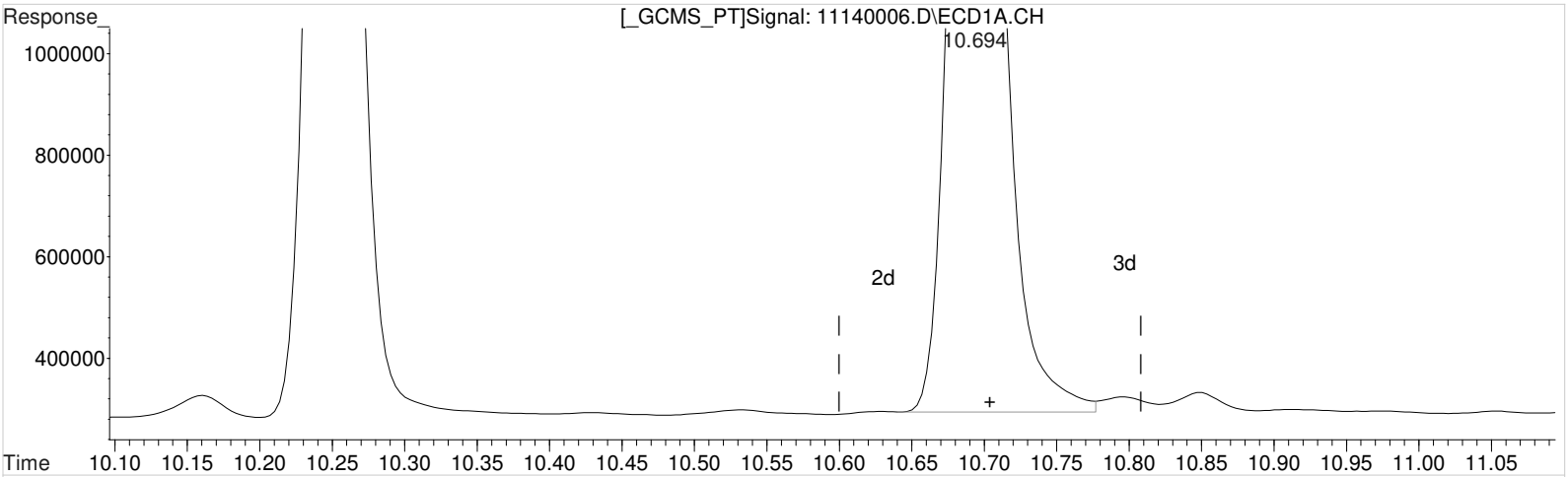
Quantitation Report (Qedit)

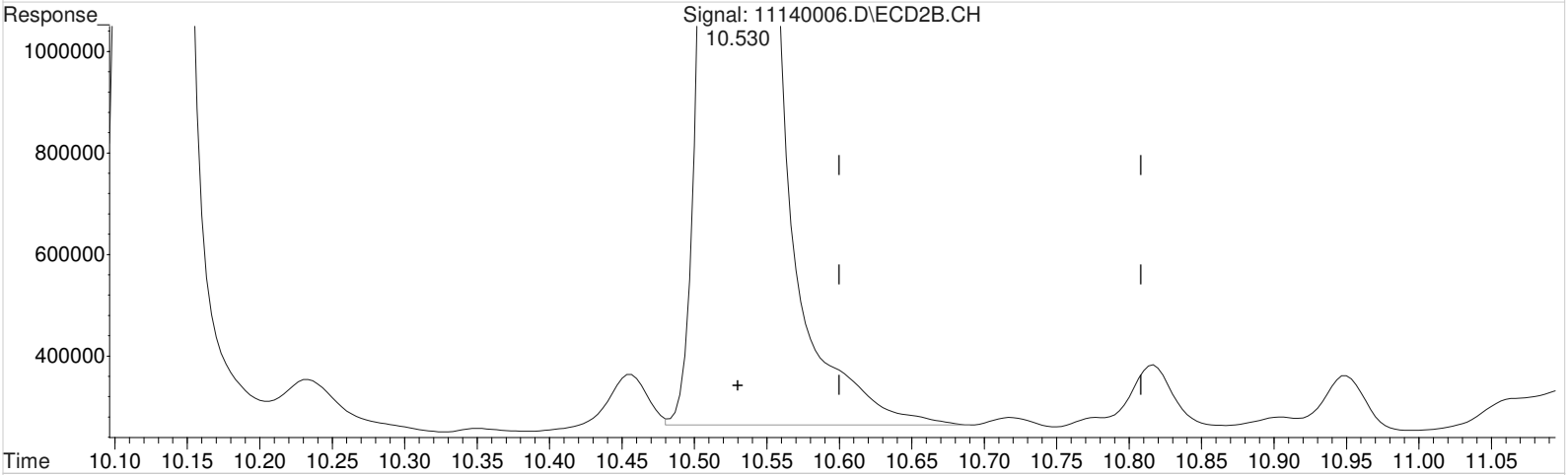
1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140006.D Vial: 4
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 4:10 pm Operator: UA
Sample : KQ2017246-03LCS Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 11:24:00 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(9) 2,4,5-T (m)

10.694min 67.134 ppb

response 5539199

Manual Integration:

Before

11/16/20

(9) 2,4,5-T #2 (m)

10.530min 80.293 ppb

response 15365467

(+) = Expected Retention Time

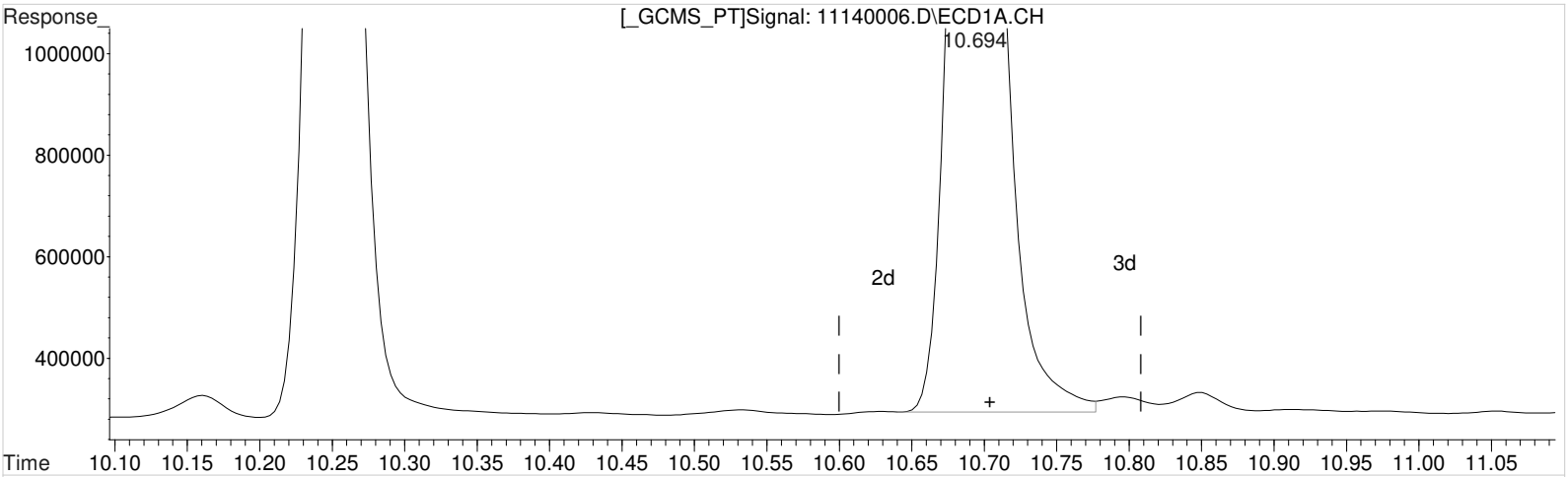
Quantitation Report (Qedit)

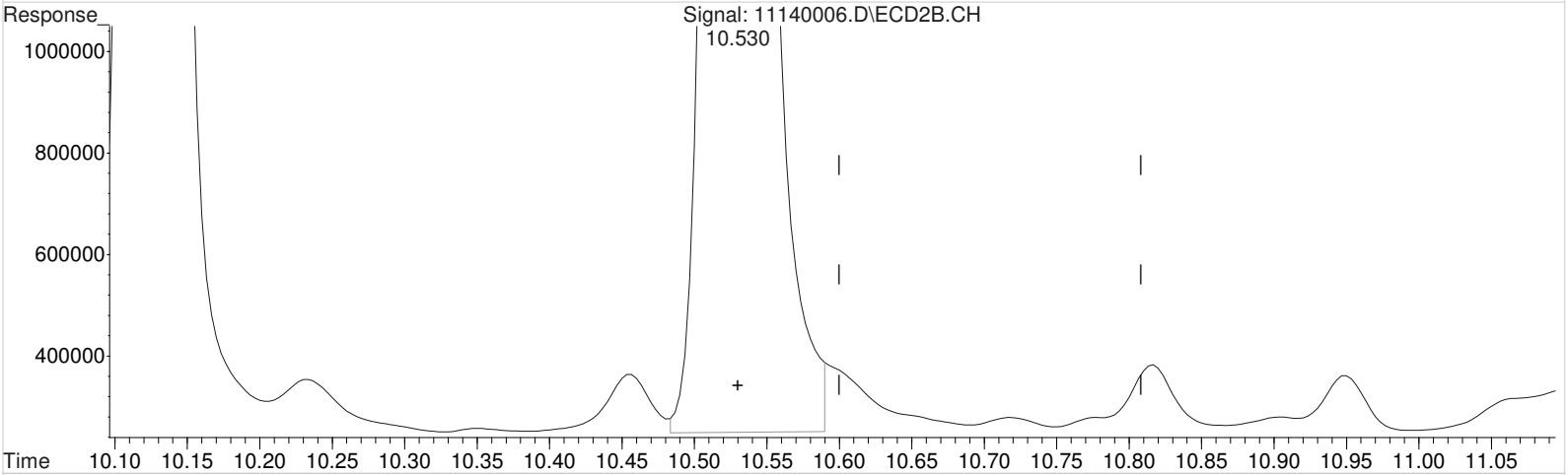
1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140006.D Vial: 4
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 4:10 pm Operator: UA
Sample : KQ2017246-03LCS Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 11:24:00 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(9) 2,4,5-T (m)

10.694min 67.134 ppb

response 5539199

Manual Integration:

After

Baseline/Shoulder

11/16/20

(9) 2,4,5-T #2 (m)

10.530min 79.535 ppb m

response 15220394

(+) = Expected Retention Time

1st 11/16/20
2nd UA 11/17/20

Validation Report

Data File: J:\gc24\data\111420\11140014.D\
Lab ID: KQ2017246-01
RunType: MS
Matrix: Sediment

Date Acquired: 11/14/20 19:14:00
Batch ID: 703599
Analysis Method: 8151A/HERB

Validations

Validation Categories	Pass	Fail
Analytical Hold Time	X	
ICAL Analyte Recovery	X	
Second Source ICAL Verification	X	
Continuing Calibration Recovery		X
Continuing Calibration Recovery (Closing)		X
Surrogates	X	
Std MRL Unsupported by ICAL	X	
Above Highest ICAL Level	X	
Analyte Coelutions	X	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
Continuing Calibration Recovery - ZB-XLB-HT	MCPA	23		20	RO CCV+ND
	MCPP	24		20	
Continuing Calibration Recovery (Closing) - ZB-XLB-HT	2,4,5-TP (Silvex)	23		20	
	MCPA	26		20	
	MCPP	25		20	

Primary Review: _____

Secondary Review: _____

1st 11/16/20
2nd UA 11/17/20

Quantitation Report

Data File:	J:\gc24\data\111420\11140014.D\	**Instrument:**	K-GC-24
Acqu Date:	11/14/20 19:14:00	**Vial:**	14
Run Type:	MS	**Dilution:**	1
Lab ID:	KQ2017246-01	**Raw Units:**	ppb

Bottle ID:	K2010068-001.01	**Tier:**	IV	**Matrix:**	Sediment
Prod Code:	HERB	**Collect Date:**	10/28/20	**Receive Date:**	11/3/20

Analysis Lot:	703599	**Prep Lot:**	369146	**Report Group:**	KQ2017246
Analysis	8151A	**Prep Method:**	Method		
		Prep Date:	11/4/20		

Title:	Chlorinated Herbicides by GC	**Calibration ID:**	KC2000566
		Report List ID:	18726

Surrogate Compounds

Parameter Name	RT 1	RT 2	Resp 1	Resp 2	Solution Conc 1	Solution Conc 2	% Rec 1	% Rec 2	% Rec	% Rec Criteria	Rpt?
2,4-Dichlorophenylacetic Acid	8.00	7.83 +0.01	1237725	3131523	68.020	74.035	68	74	68	26 - 127	Y

Target Compounds

Final Conc.Units: ug/Kg

Parameter Name	RT 1	RT 2	Resp 1	Resp 2	Solution Conc 1	Solution Conc 2		Final Conc 1	Final Conc 2	Primary Conc		Rpt?
2,4,5-T	10.71	10.54	5094011	13910199	61.738	72.689		124	146	**124**		Y
2,4,5-TP (Silvex)	10.27 +0.01	10.14	5874428	14820287	62.707	73.007 CCV	RO	126	147	**126**		Y
2,4-D	9.32	9.07	1337696	3527001	62.980	68.889		127	139	**127**		Y
2,4-DB	11.29	11.18	636680	1557876	62.058	53.691		125	108	**108**		Y
Dalapon	3.13	2.88	1025940	3171459	42.292	65.644		85.0	132	**85.0**	P	Y
Dicamba	8.22	7.93	4471059	9866033	64.055	66.567		129	134	**129**		Y
Dichlorprop	8.97	8.76	1176509	2745980	63.091	65.827		127	132	**127**		Y
Dinoseb	11.69	11.33	1897772	3996604	30.675	29.224		61.7	58.8J	**58.8** J		Y
MCPA	8.57	8.36	374468	1881447	6395.420	8065.092 CCV	RO	12900	16200	**12900**		Y
MCPP	8.30	8.12 +0.01	299098	1308289	6945.118	7623.334 CCV	RO	14000	15300	**14000**		Y

Prep Amount:	30.218 g	**Dilution:**	1
Prep Final Amount:	50.00 mL	**Basis Factor:**	82.30

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

Printed: 11/17/20 15:41
\\alprews001\starlims$\LIMSReps\QuantValidation.rpt

Quantitation Report (QT Reviewed)

1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140014.D Vial: 12
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 7:14 pm Operator: UA
Sample : KQ2017246-01MS Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 15:55:55 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm

		Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
		System Monitoring Compounds						
2)	s	2,4-Dichl...	7.996	7.826	1237725	3131523	68.020m	74.035m
		Target Compounds						
1)	m	Dalapon	3.126	2.876	1025940	3171459	42.292m	65.644m#
3)	m	Dicamba	8.216	7.929	4471059	9866033	64.055	66.567
4)	m	MCPP	8.303	8.116	299098	1308289	6945.118	7623.334
5)	m	MCPA	8.566	8.362	374468	1881447	6395.420m	8065.092 #
6)	m	Dichloroprop	8.969	8.762	1176509	2745980	63.091m	65.827
7)	m	2,4-D	9.323	9.069	1337696	3527001	62.980m	68.889
8)	m	2,4,5-TP ...	10.266	10.142	5874428	14820287	62.707m	73.007m
9)	m	2,4,5-T	10.709	10.542	5094011	13910199	61.738	72.689m
10)	m	2,4-DB	11.289	11.179	636680	1557876	62.058	53.691m
11)	m	Dinoseb	11.689	11.329	1897772	3996604	30.675m	29.224m

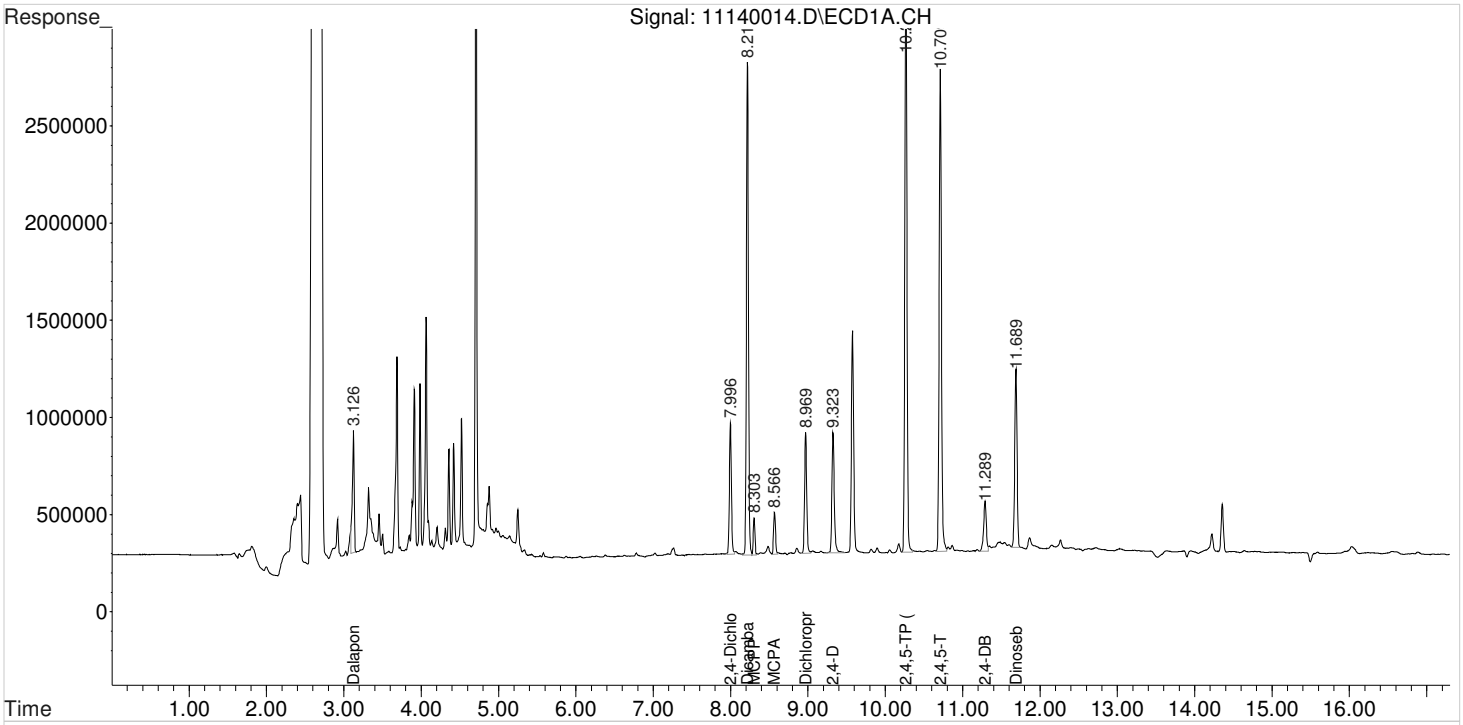
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

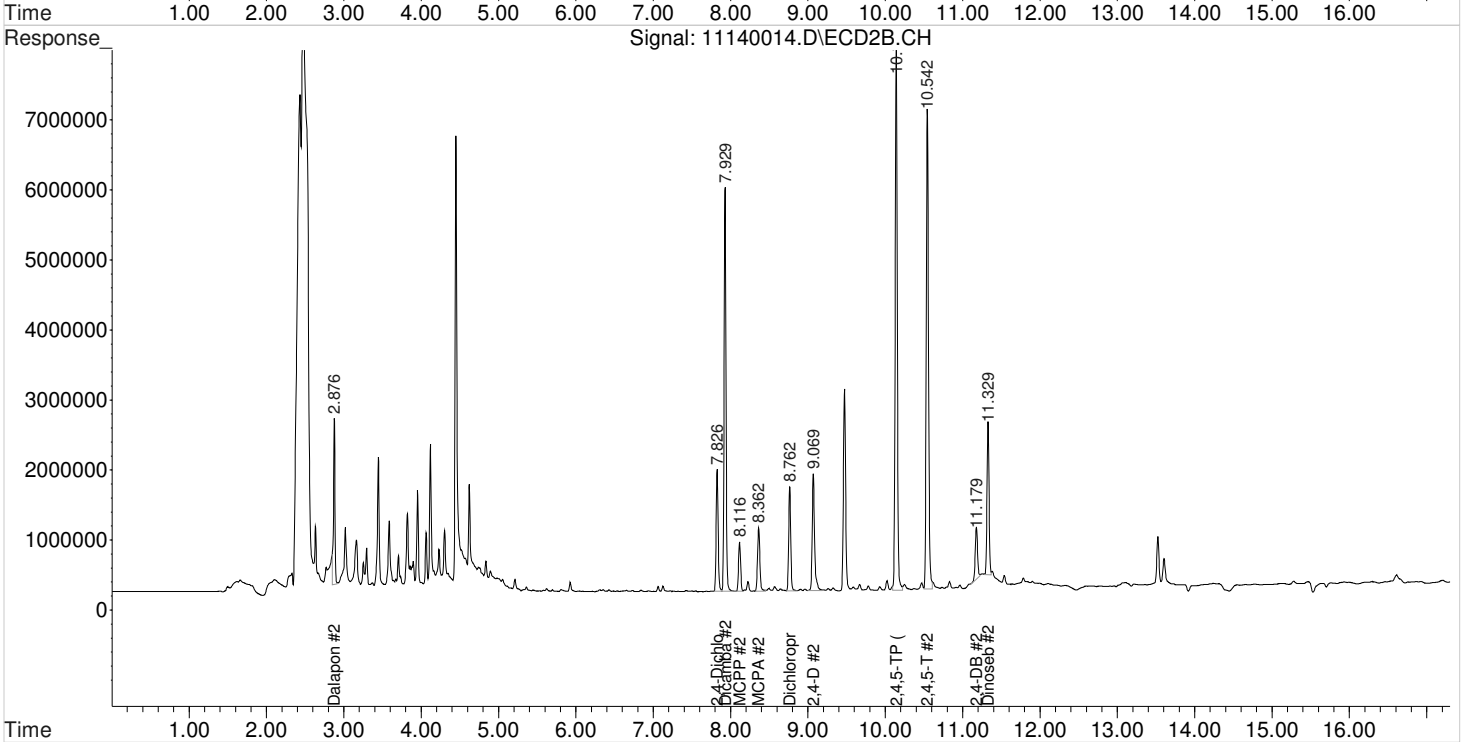
1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140014.D Vial: 12
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 7:14 pm Operator: UA
Sample : KQ2017246-01MS Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 15:55:55 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





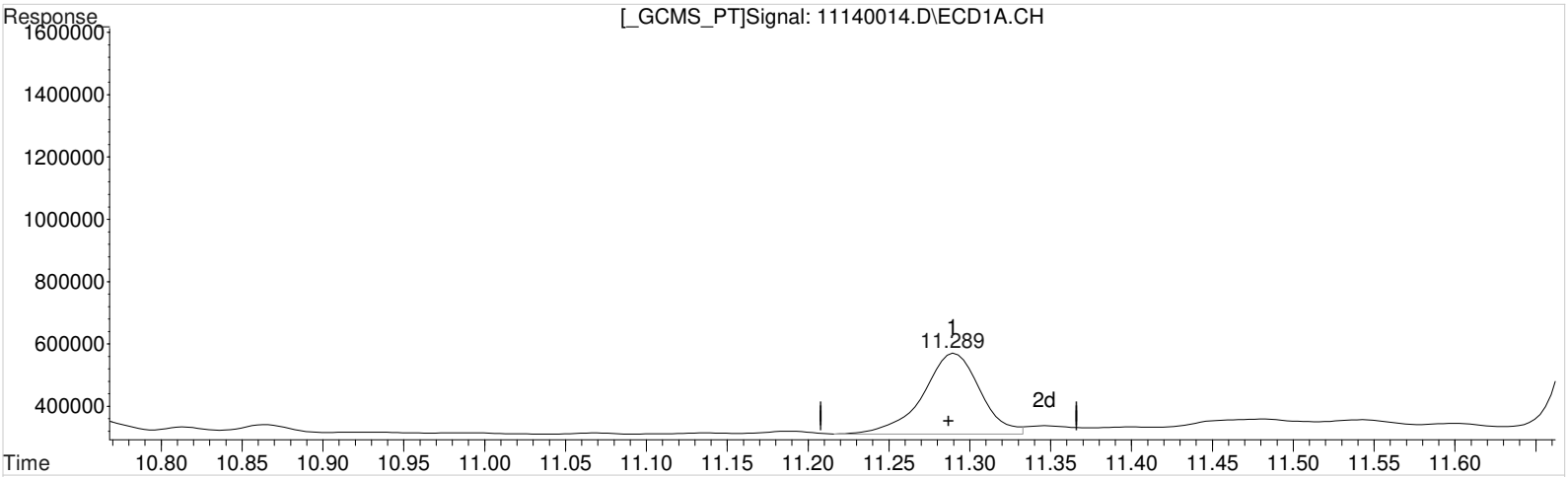
Quantitation Report (Qedit)

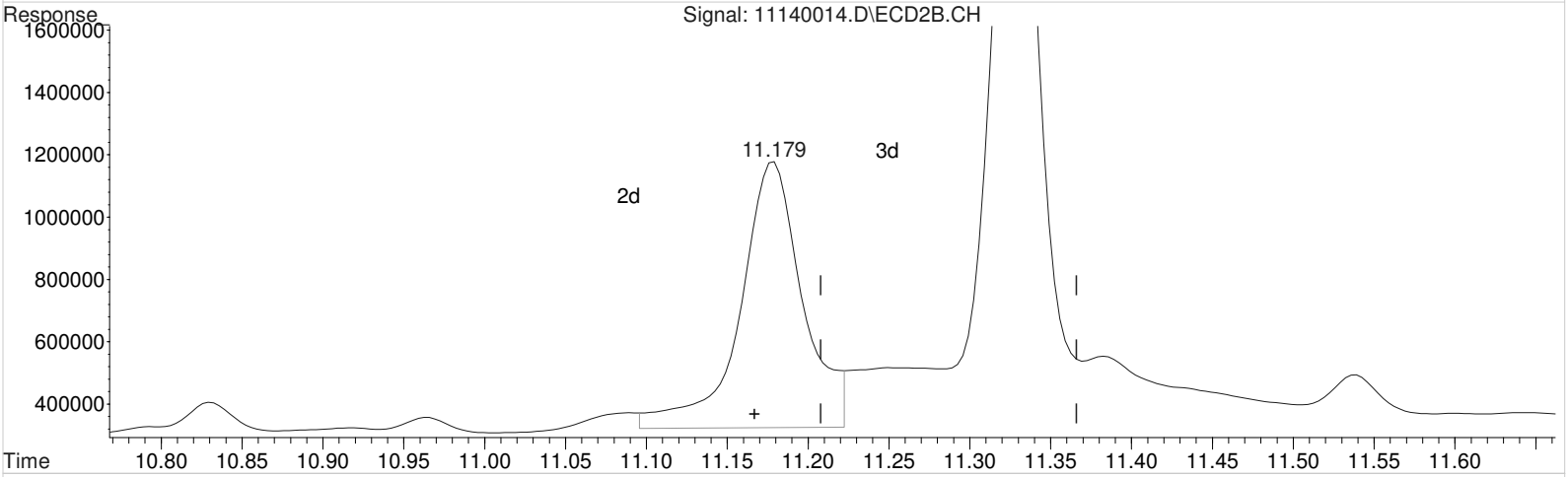
1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140014.D Vial: 12
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 7:14 pm Operator: UA
Sample : KQ2017246-01MS Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 11:24:24 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(10) 2,4-DB (m)

11.289min 62.058 ppb

response 636680

(10) 2,4-DB #2 (m)

11.179min 79.978 ppb

response 2320637

Manual Integration:

Before

11/16/20

(+) = Expected Retention Time

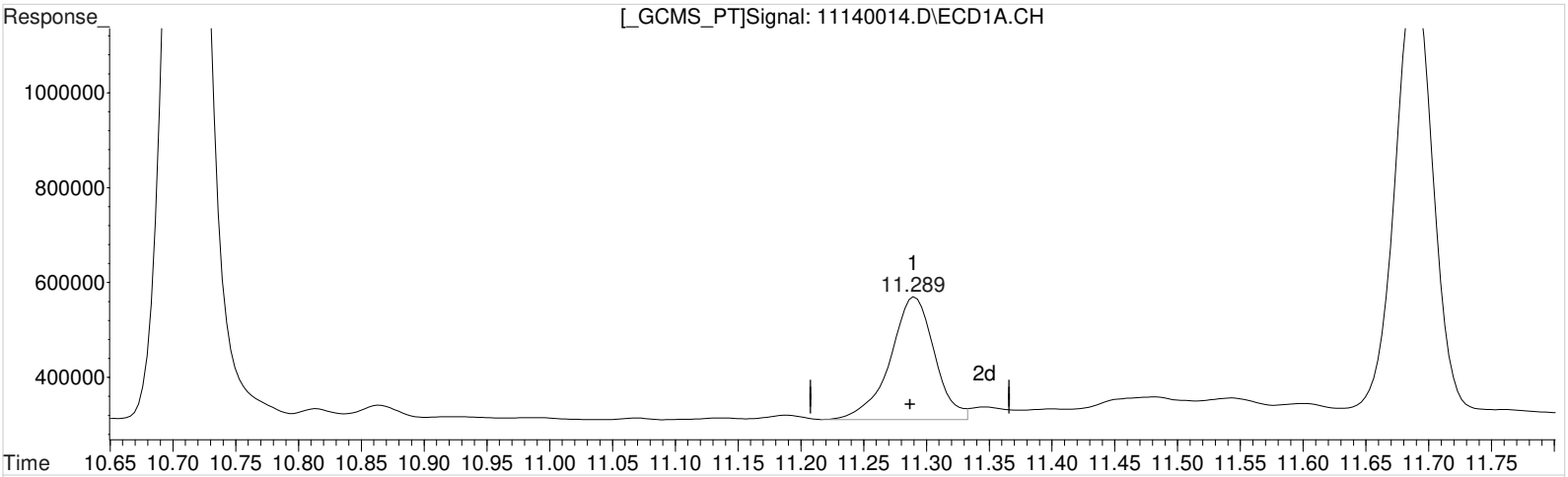
Quantitation Report (Qedit)

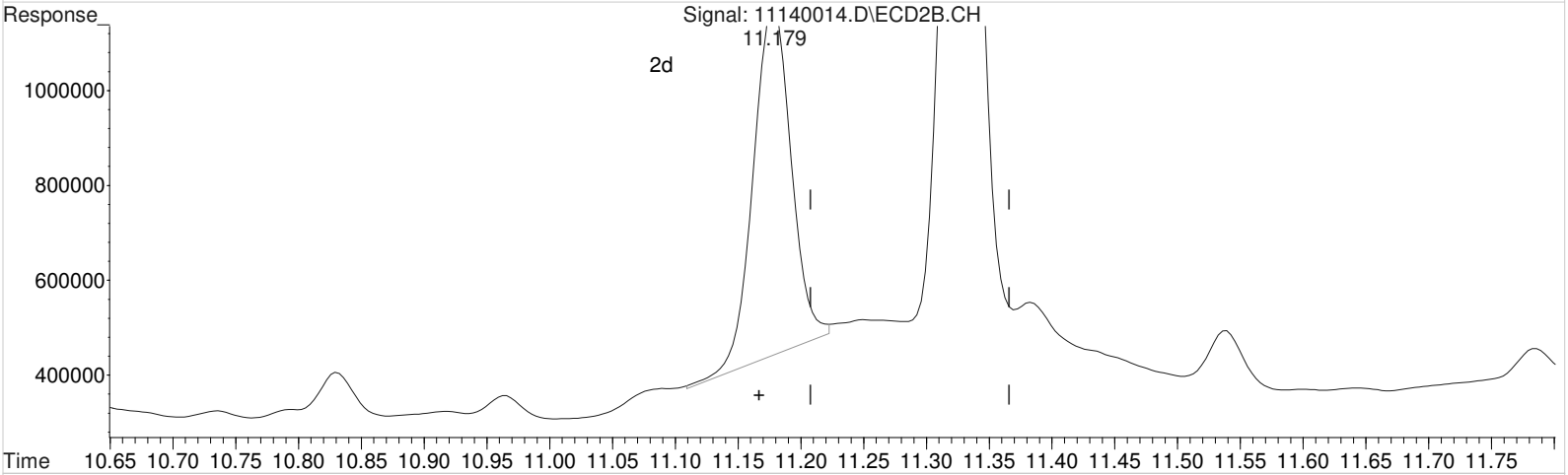
1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140014.D Vial: 12
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 7:14 pm Operator: UA
Sample : KQ2017246-01MS Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 11:24:24 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(10) 2,4-DB (m)

11.289min 62.058 ppb

response 636680

Manual Integration:

After

Baseline/Shoulder

11/16/20

(10) 2,4-DB #2 (m)

11.179min 53.691 ppb m

response 1557876

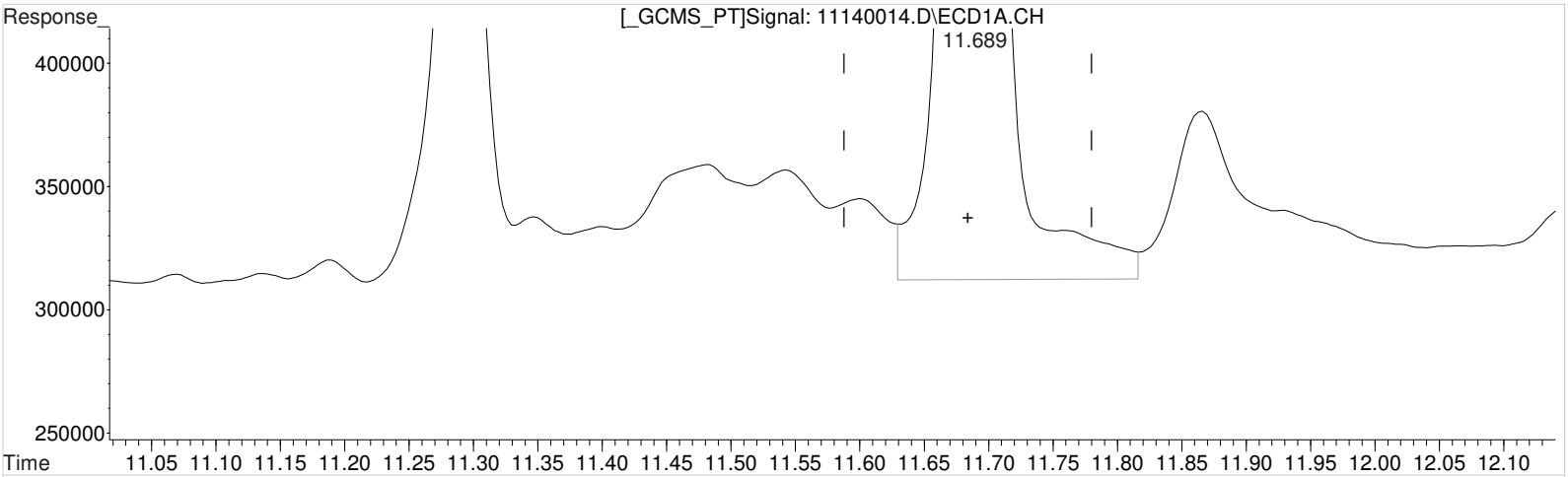
(+) = Expected Retention Time

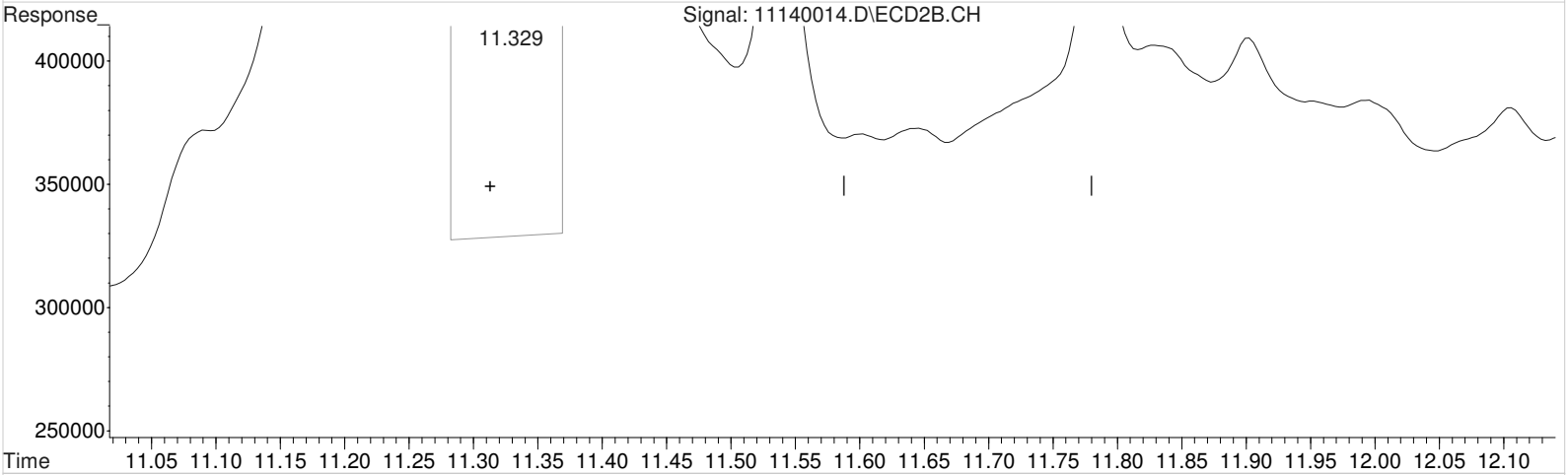
1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140014.D Vial: 12
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 7:14 pm Operator: UA
Sample : KQ2017246-01MS Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 11:24:24 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(11) Dinoseb (m)

11.689min 33.918 ppb

response 2098349

Manual Integration:

Before

11/16/20

(11) Dinoseb #2 (m)

11.329min 35.937 ppb

response 4914623

(+) = Expected Retention Time

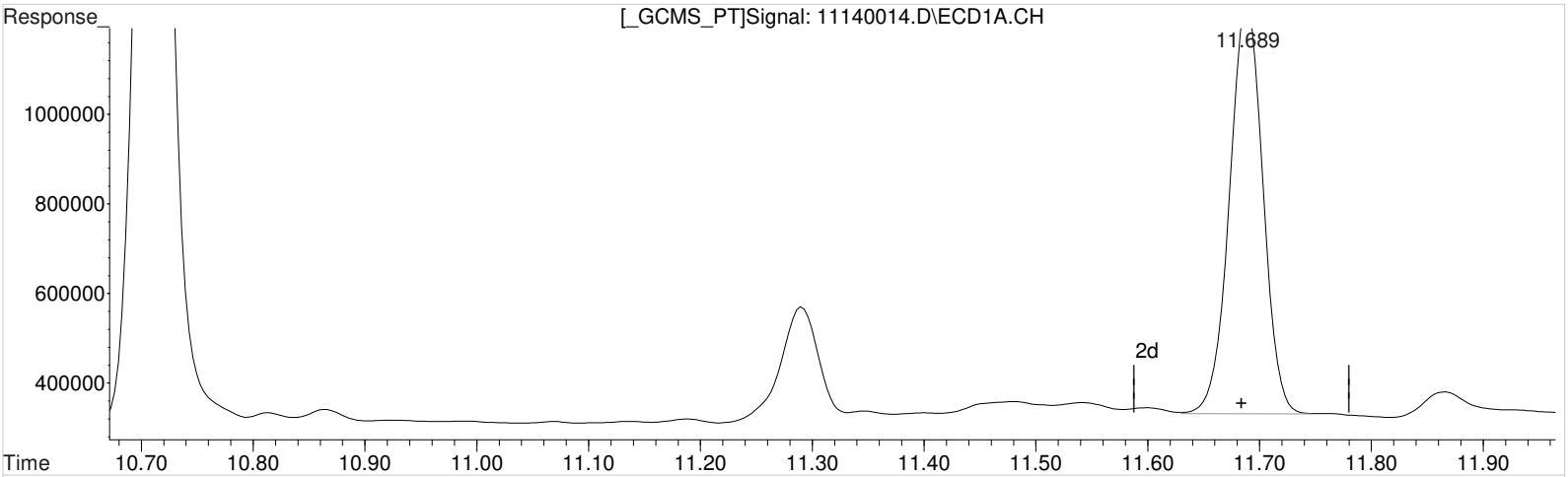
Quantitation Report (Qedit)

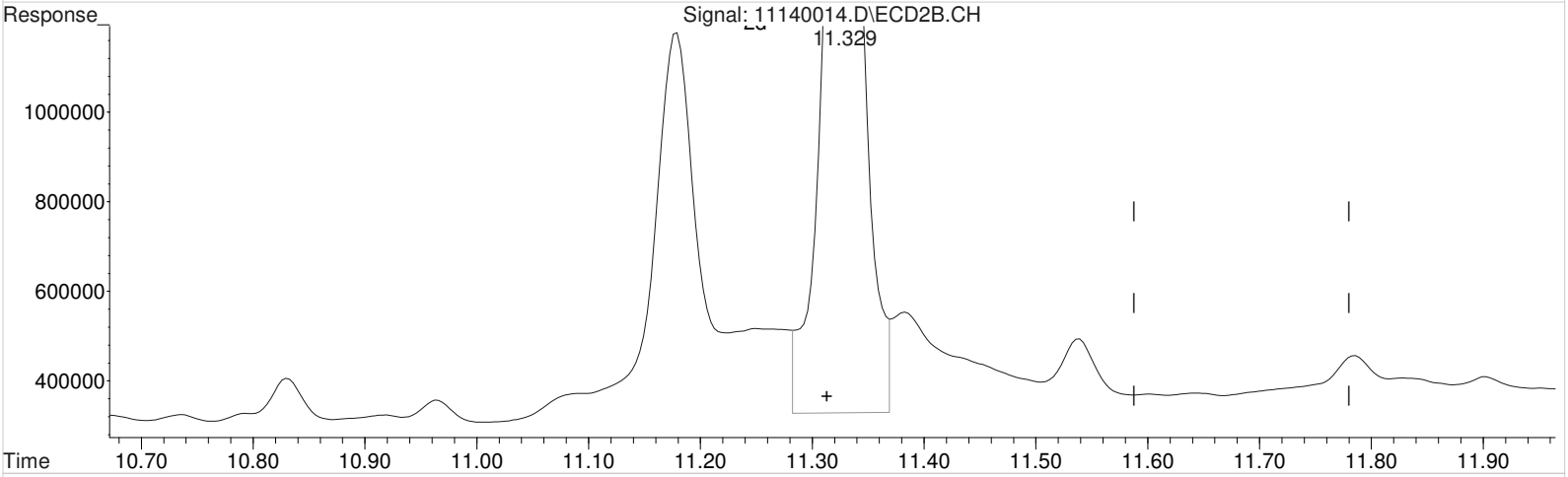
1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140014.D Vial: 12
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 7:14 pm Operator: UA
Sample : KQ2017246-01MS Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 11:24:24 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(11) Dinoseb (m)

11.689min 30.675 ppb m

response 1897772

(11) Dinoseb #2 (m)

11.329min 35.937 ppb

response 4914623

Manual Integration:

Before

11/16/20

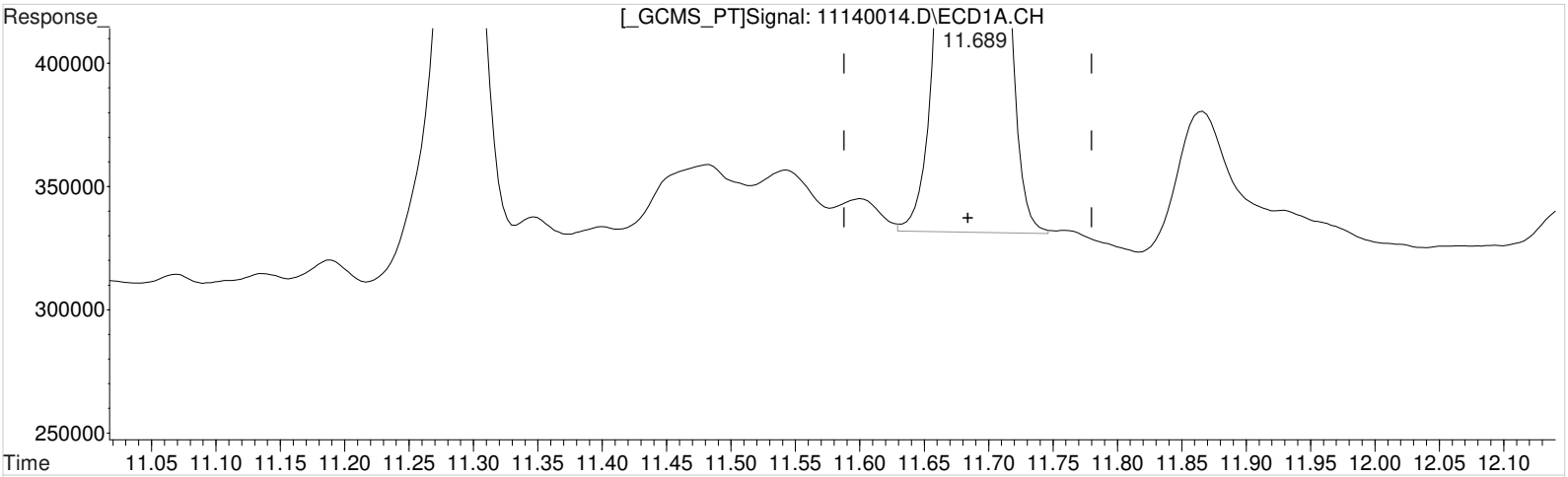
(+) = Expected Retention Time

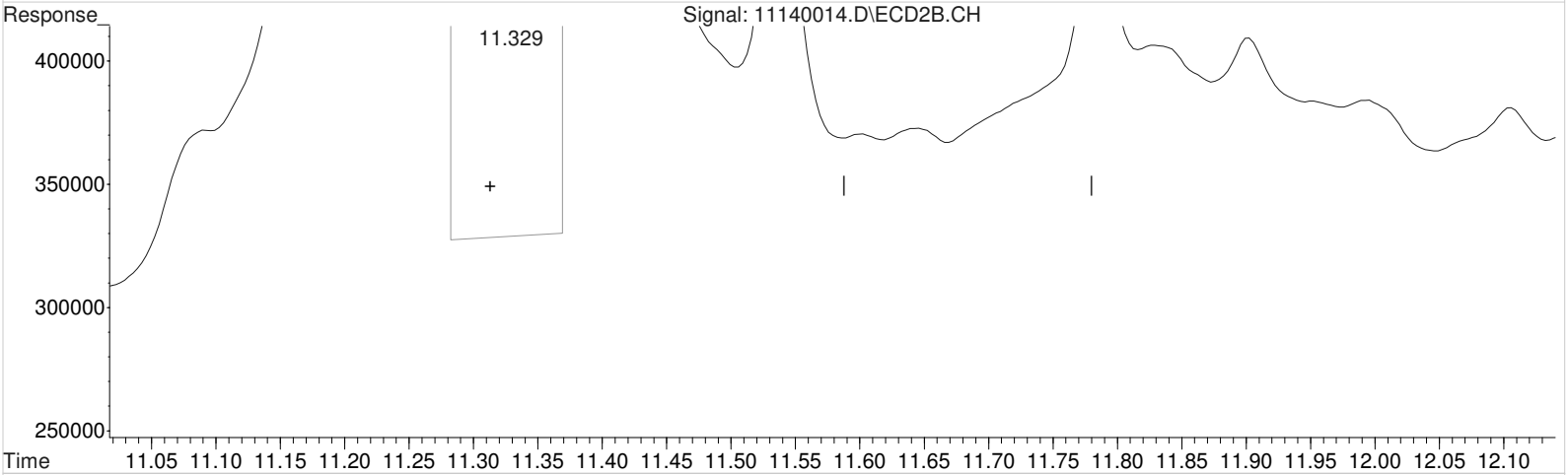
1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140014.D Vial: 12
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 7:14 pm Operator: UA
Sample : KQ2017246-01MS Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 11:24:24 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(11) Dinoseb (m)

11.689min 30.675 ppb m

response 1897772

Manual Integration:

After

Baseline/Shoulder

11/16/20

(11) Dinoseb #2 (m)

11.329min 35.937 ppb

response 4914623

(+) = Expected Retention Time

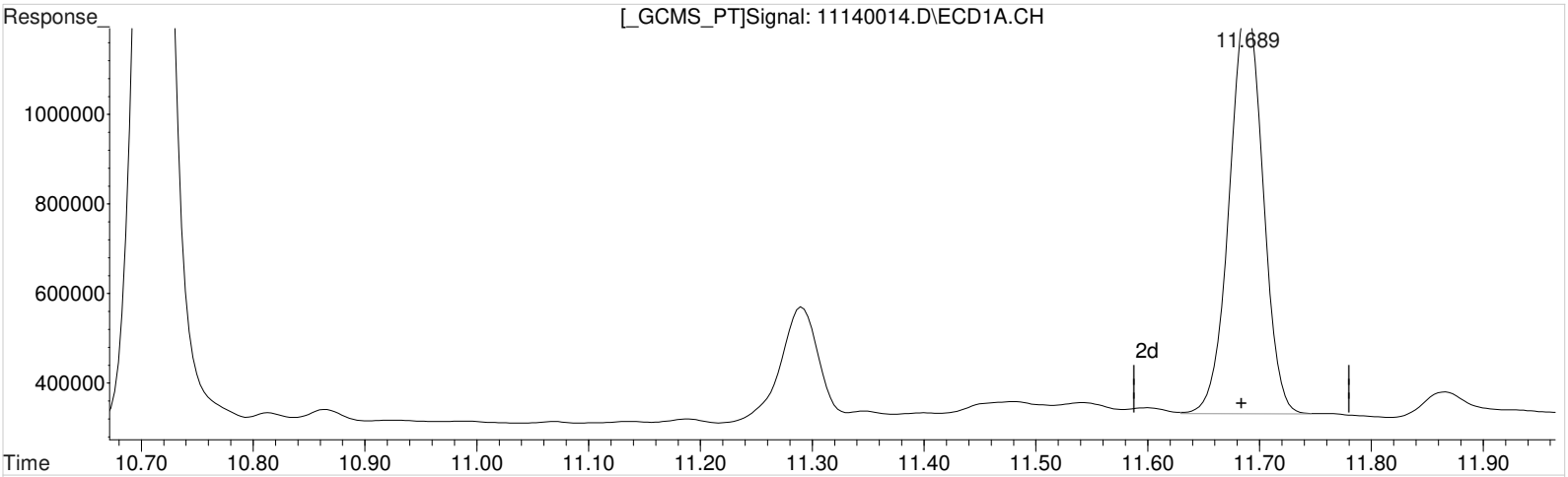
Quantitation Report (Qedit)

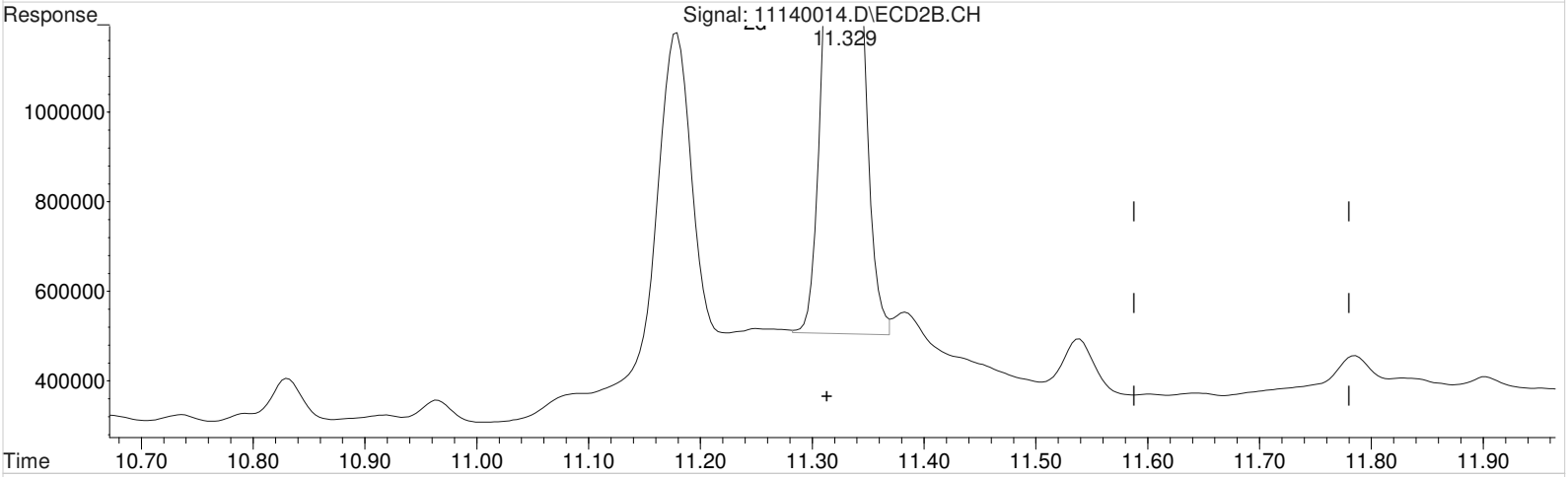
1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140014.D Vial: 12
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 7:14 pm Operator: UA
Sample : KQ2017246-01MS Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 11:24:24 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(11) Dinoseb (m)

11.689min 30.675 ppb m

response 1897772

Manual Integration:

After

Baseline/Shoulder

11/16/20

(11) Dinoseb #2 (m)

11.329min 29.224 ppb m

response 3996604

(+) = Expected Retention Time

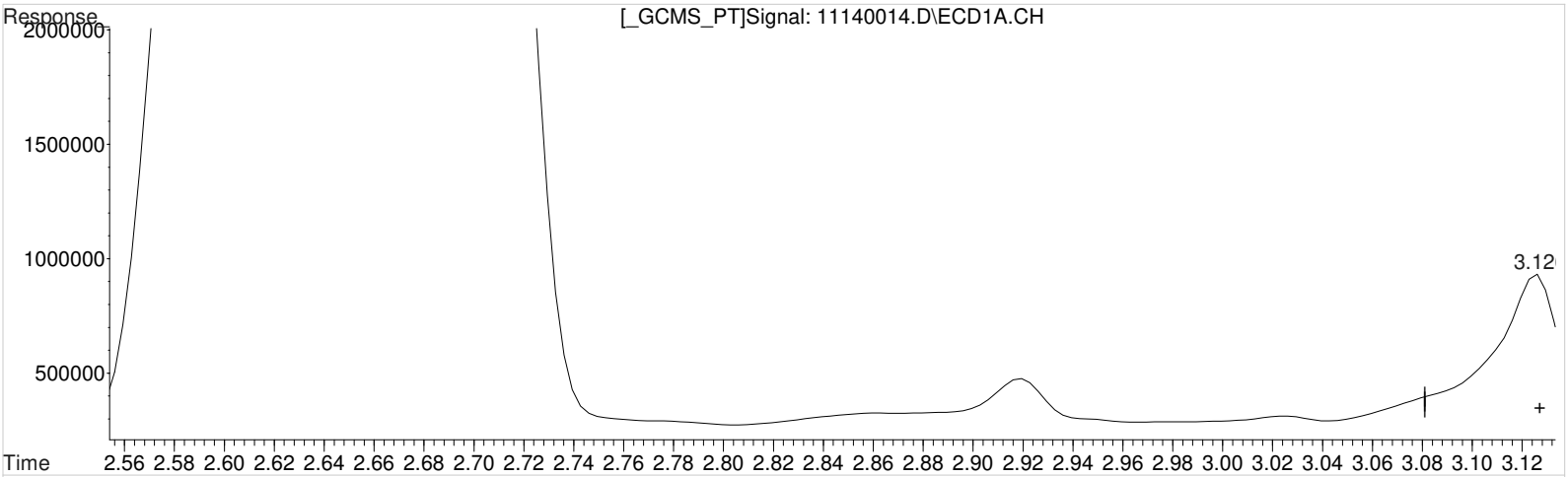
Quantitation Report (Qedit)

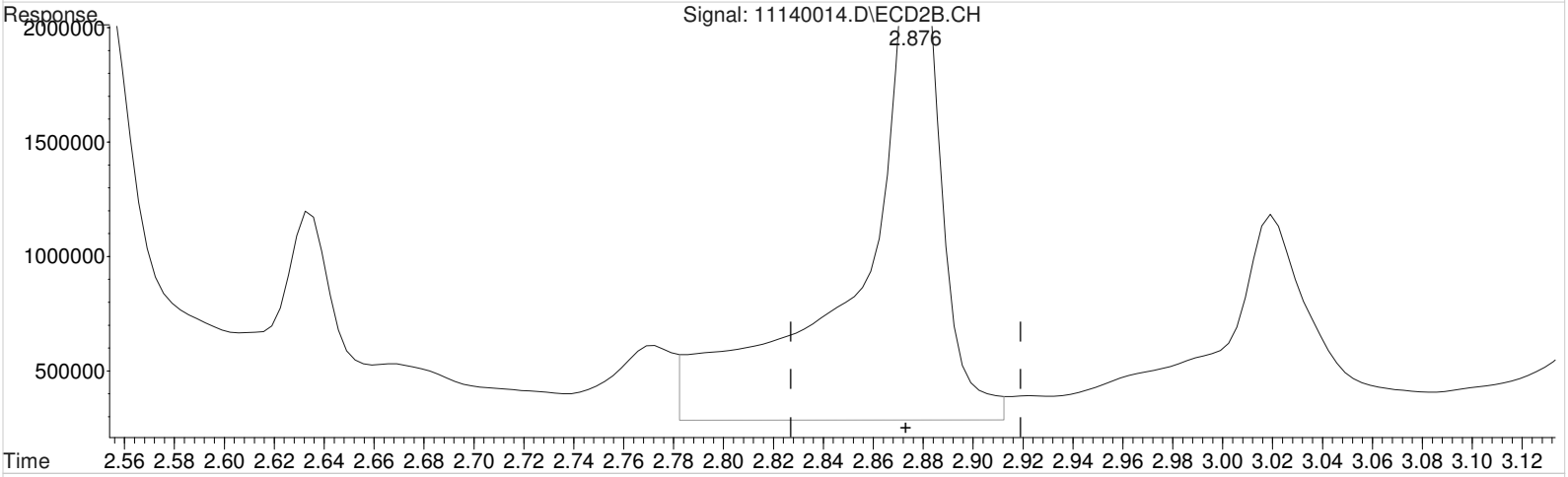
1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140014.D Vial: 12
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 7:14 pm Operator: UA
Sample : KQ2017246-01MS Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 11:24:24 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(1) Dalapon (m)

3.126min 54.077 ppb

response 1311830

(1) Dalapon #2 (m)

2.876min 102.115 ppb

response 4933468

Manual Integration:

Before

11/16/20

(+) = Expected Retention Time

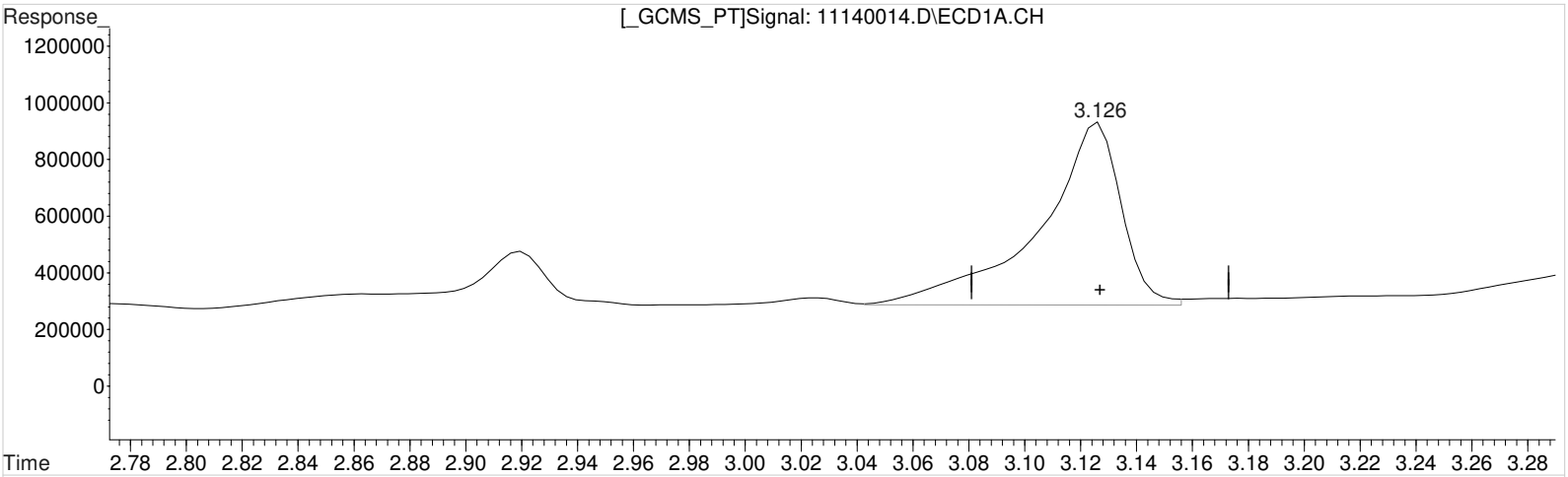
Quantitation Report (Qedit)

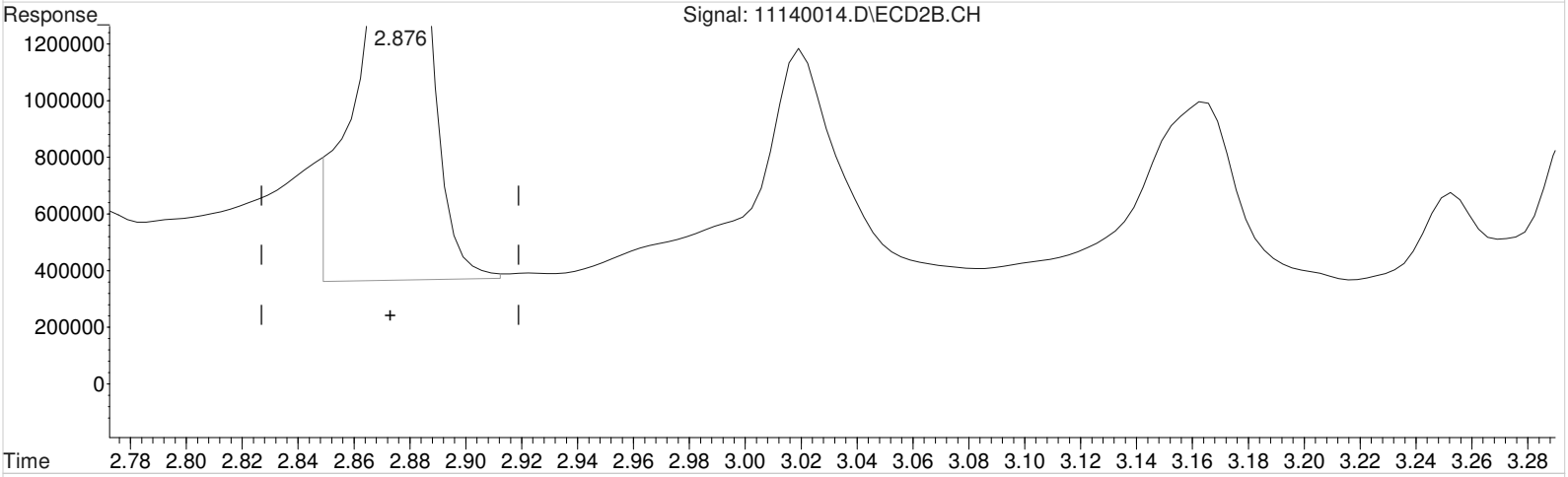
1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140014.D Vial: 12
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 7:14 pm Operator: UA
Sample : KQ2017246-01MS Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 11:24:24 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(1) Dalapon (m)

3.126min 54.077 ppb

response 1311830

(1) Dalapon #2 (m)

2.876min 65.644 ppb m

response 3171459

Manual Integration:

Before

11/16/20

(+) = Expected Retention Time

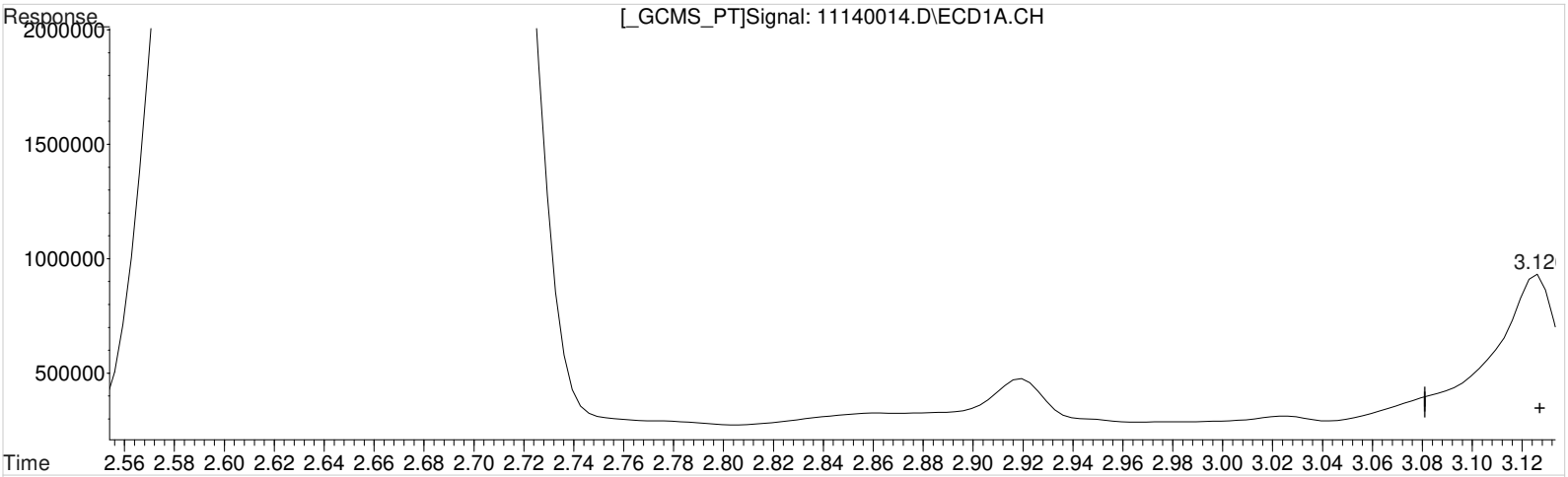
Quantitation Report (Qedit)

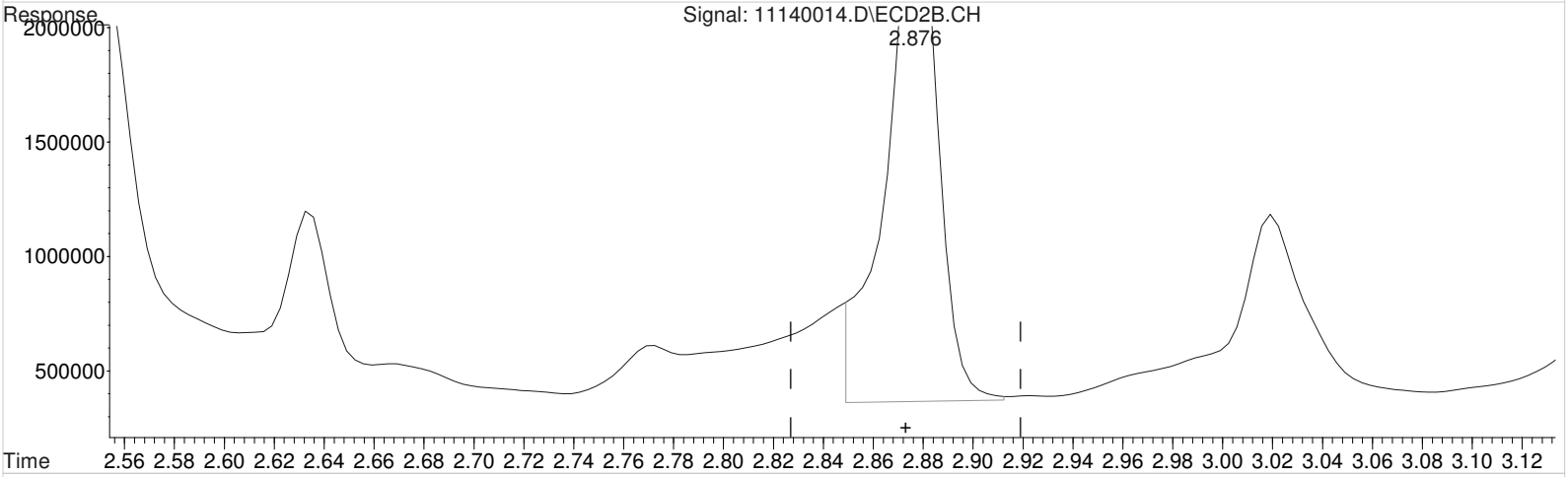
1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140014.D Vial: 12
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 7:14 pm Operator: UA
Sample : KQ2017246-01MS Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 11:24:24 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(1) Dalapon (m)

3.126min 54.077 ppb

response 1311830

(1) Dalapon #2 (m)

2.876min 65.644 ppb m

response 3171459

Manual Integration:

After

Baseline/Shoulder

11/16/20

(+) = Expected Retention Time

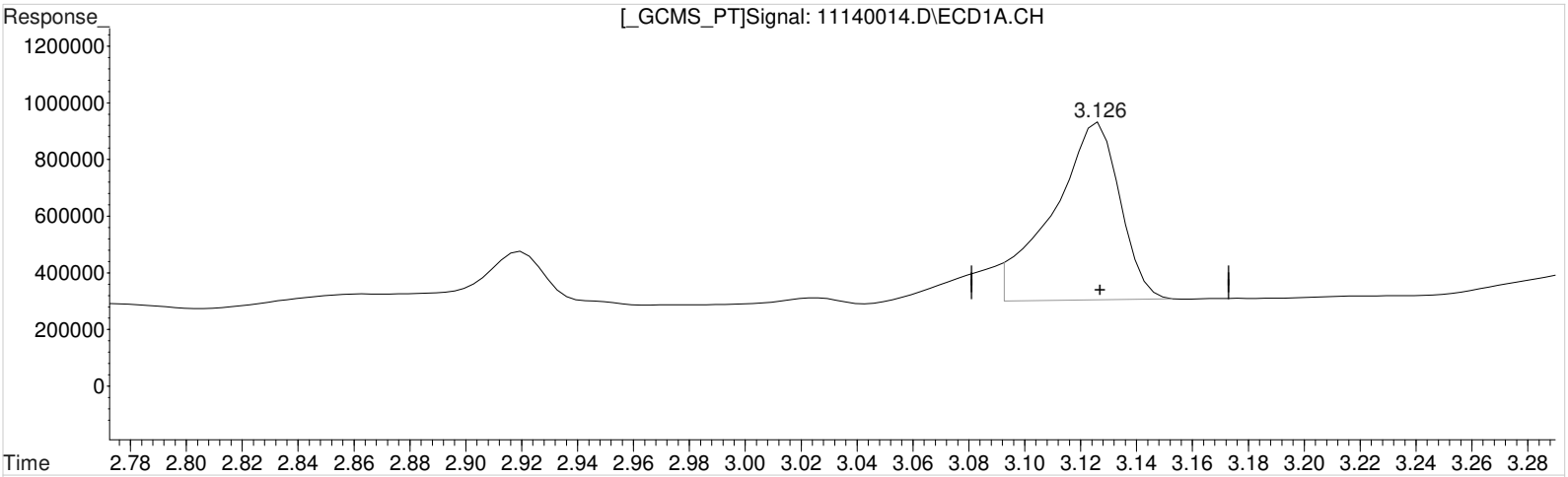
Quantitation Report (Qedit)

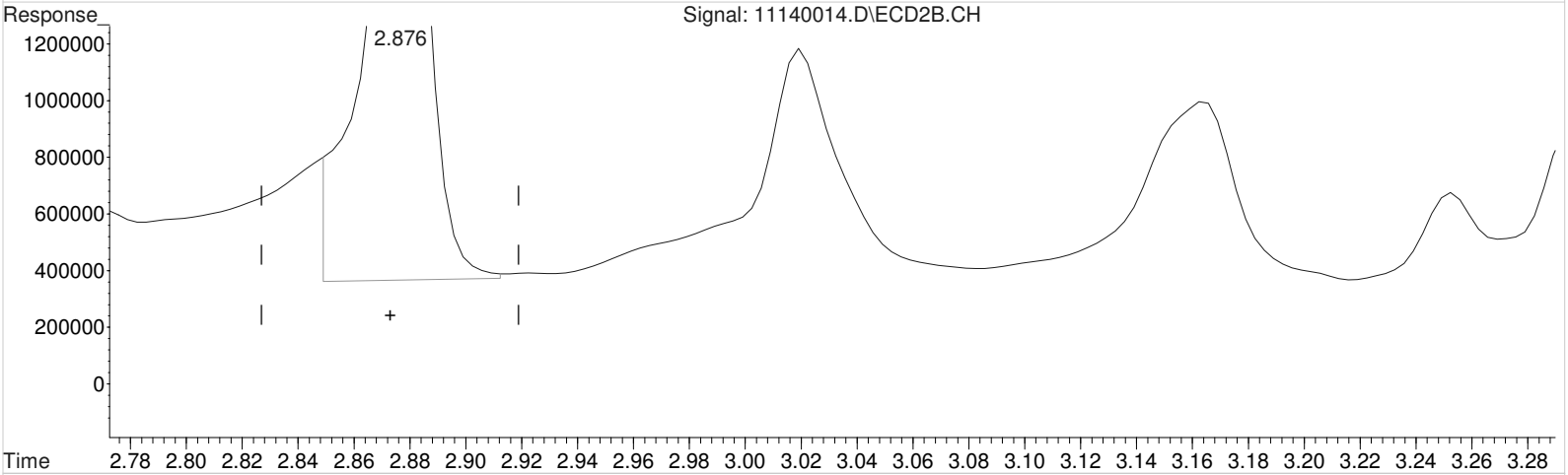
1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140014.D Vial: 12
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 7:14 pm Operator: UA
Sample : KQ2017246-01MS Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 11:24:24 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(1) Dalapon (m)

3.126min 42.292 ppb m

response 1025940

(1) Dalapon #2 (m)

2.876min 65.644 ppb m

response 3171459

Manual Integration:

After

Baseline/Shoulder

11/16/20

(+) = Expected Retention Time

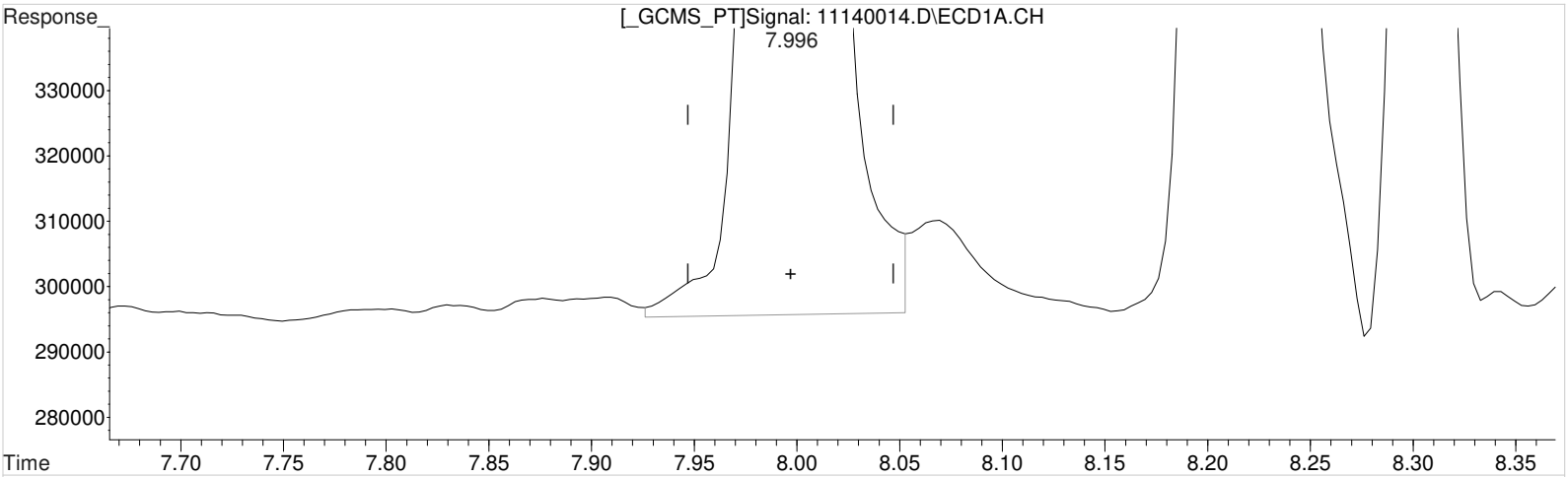
Quantitation Report (Qedit)

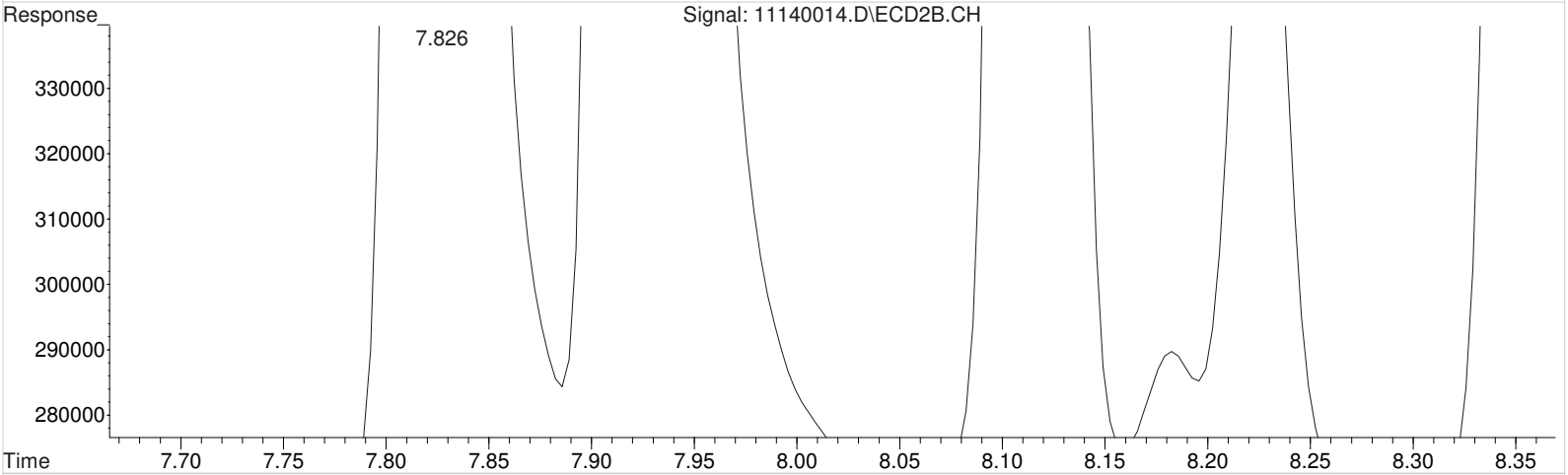
1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140014.D Vial: 12
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 7:14 pm Operator: UA
Sample : KQ2017246-01MS Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 11:24:24 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(2) 2,4-Dichlorophenylacetic Acid (s)

7.996min 68.512 ppb

response 1246695

(2) 2,4-Dichlorophenylacetic Acid #2 (s)

7.826min 74.034 ppb

response 3131492

Manual Integration:

Before

11/16/20

(+) = Expected Retention Time

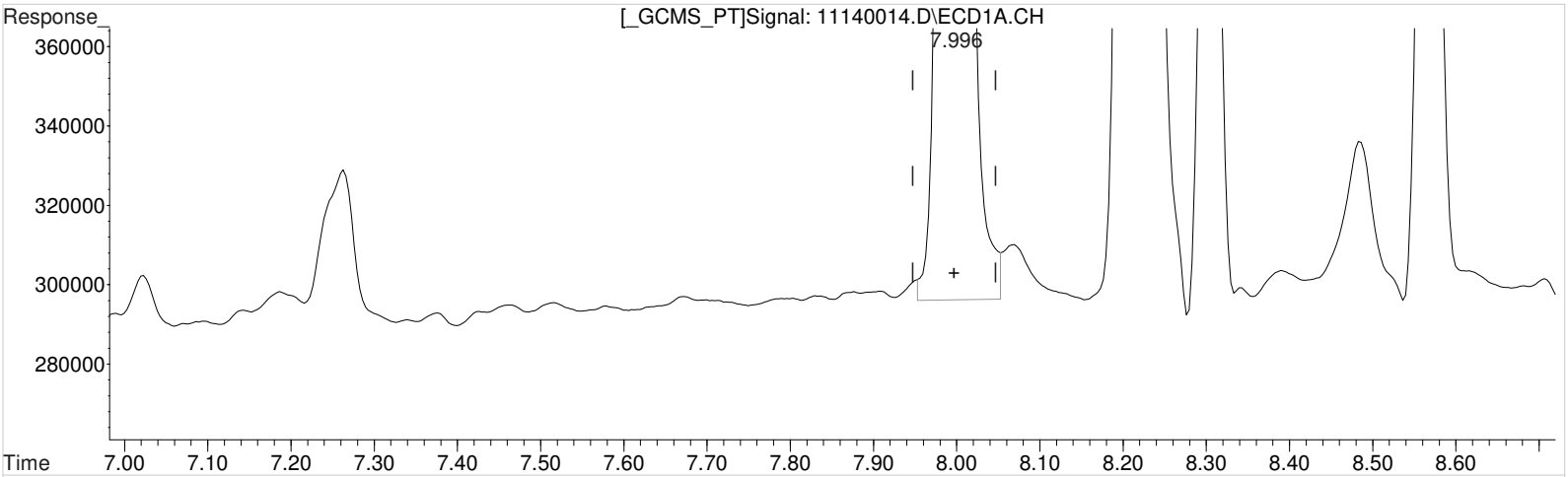
Quantitation Report (Qedit)

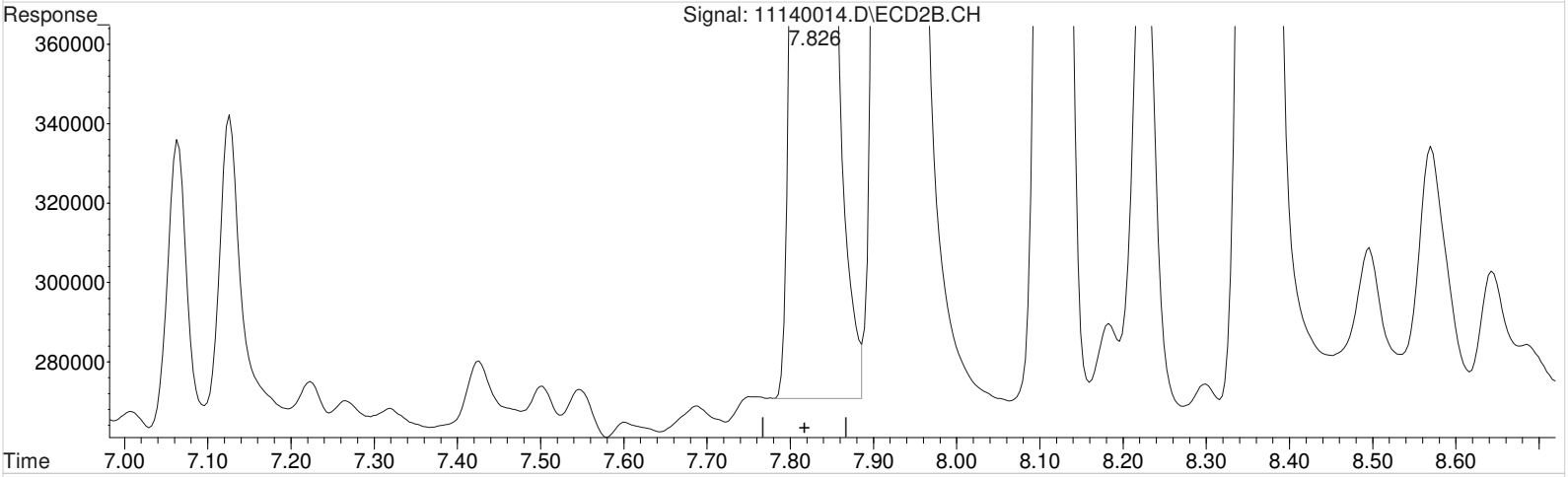
1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140014.D Vial: 12
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 7:14 pm Operator: UA
Sample : KQ2017246-01MS Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 11:24:24 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(2) 2,4-Dichlorophenylacetic Acid (s)

7.996min 68.020 ppb m

response 1237725

Manual Integration:

Before

11/16/20

(2) 2,4-Dichlorophenylacetic Acid #2 (s)

7.826min 74.034 ppb

response 3131492

(+) = Expected Retention Time

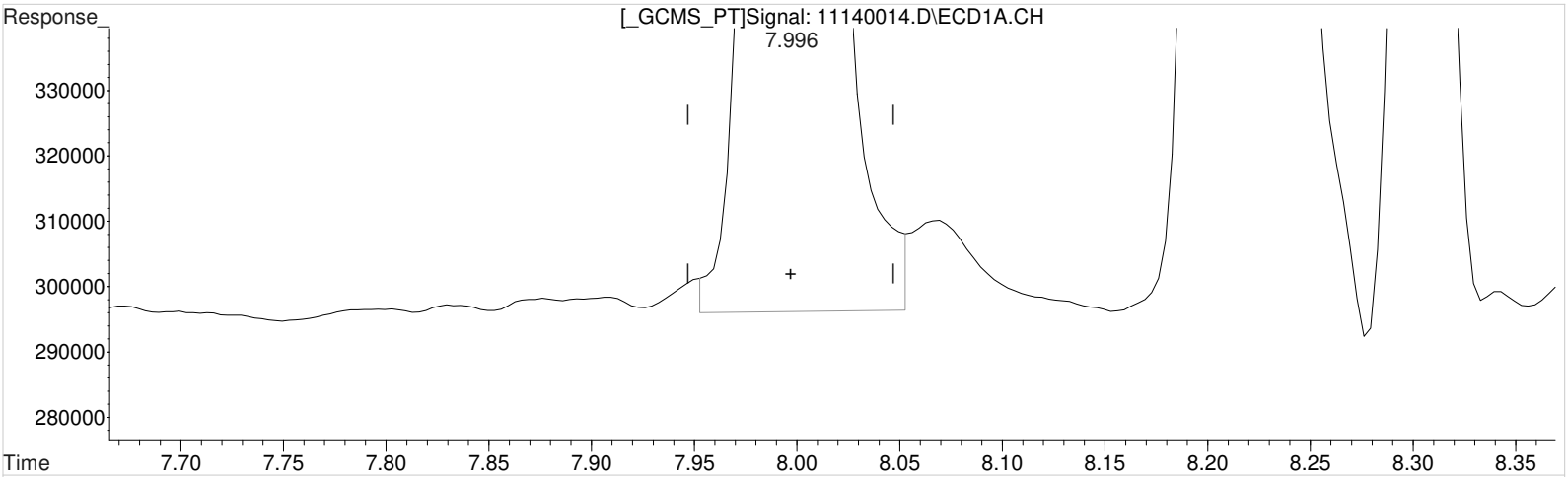
Quantitation Report (Qedit)

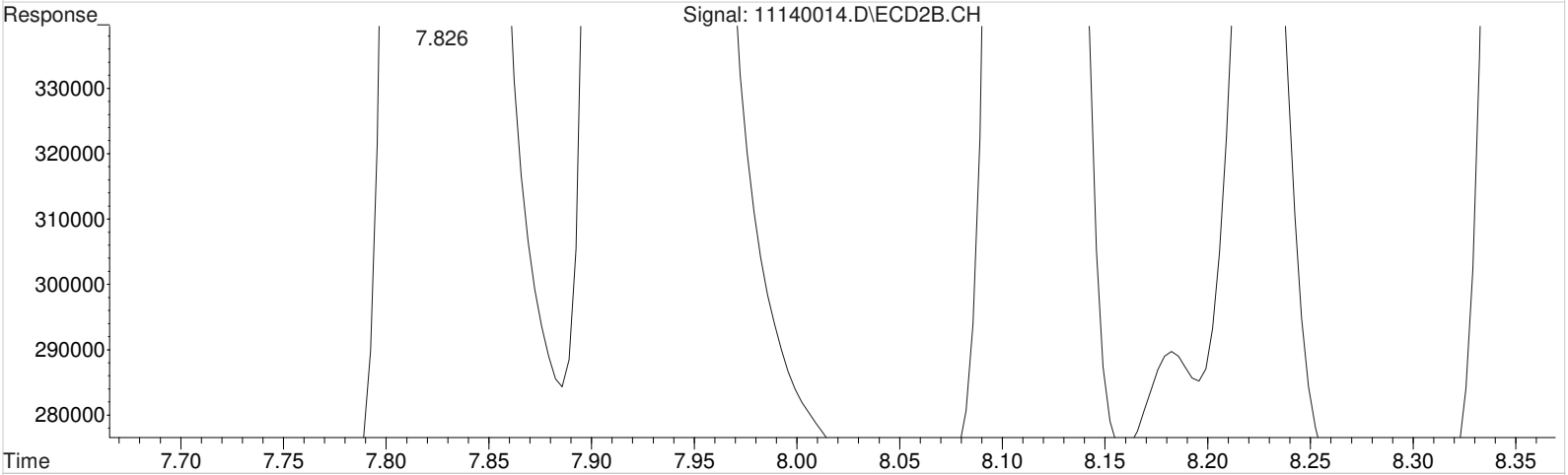
1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140014.D Vial: 12
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 7:14 pm Operator: UA
Sample : KQ2017246-01MS Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 11:24:24 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(2) 2,4-Dichlorophenylacetic Acid (s)

7.996min 68.020 ppb m

response 1237725

Manual Integration:

After

Baseline/Shoulder

11/16/20

(2) 2,4-Dichlorophenylacetic Acid #2 (s)

7.826min 74.034 ppb

response 3131492

(+) = Expected Retention Time

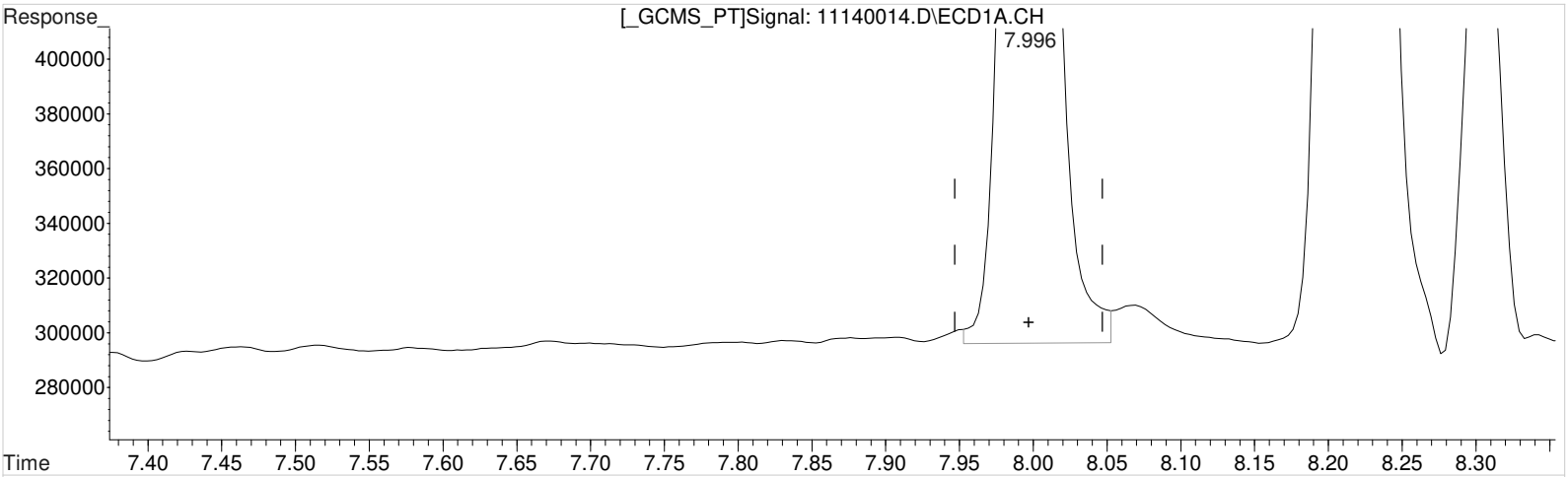
Quantitation Report (Qedit)

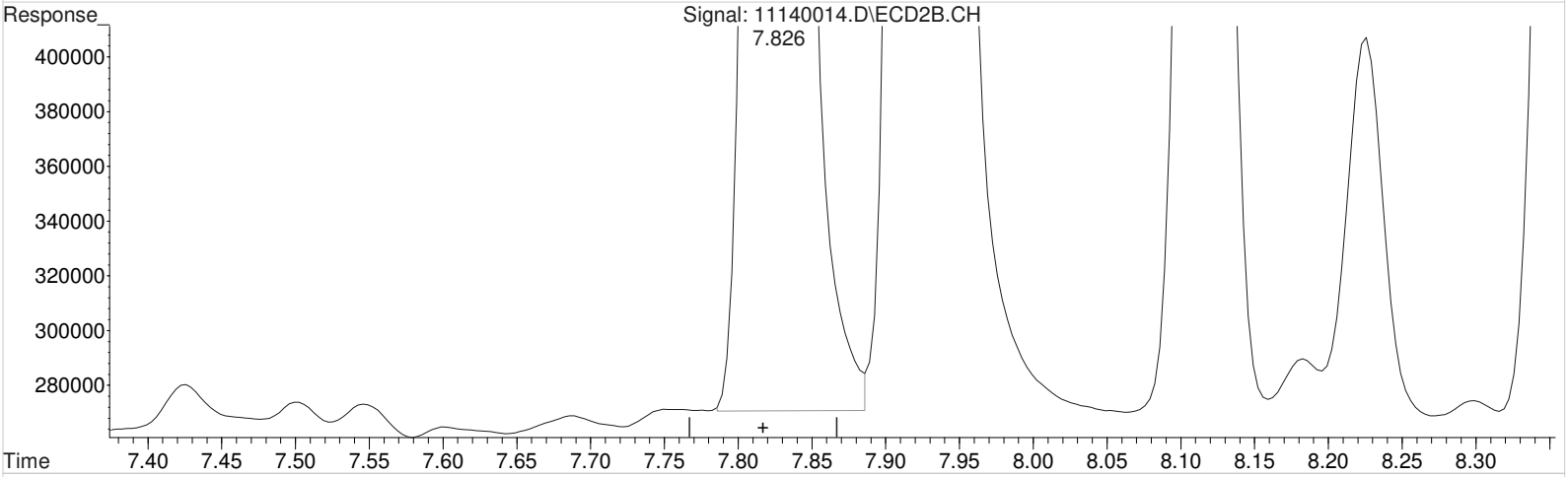
1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140014.D Vial: 12
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 7:14 pm Operator: UA
Sample : KQ2017246-01MS Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 11:24:24 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(2) 2,4-Dichlorophenylacetic Acid (s)

7.996min 68.020 ppb m

response 1237725

Manual Integration:

After

Baseline/Shoulder

11/16/20

(2) 2,4-Dichlorophenylacetic Acid #2 (s)

7.826min 74.035 ppb m

response 3131523

(+) = Expected Retention Time

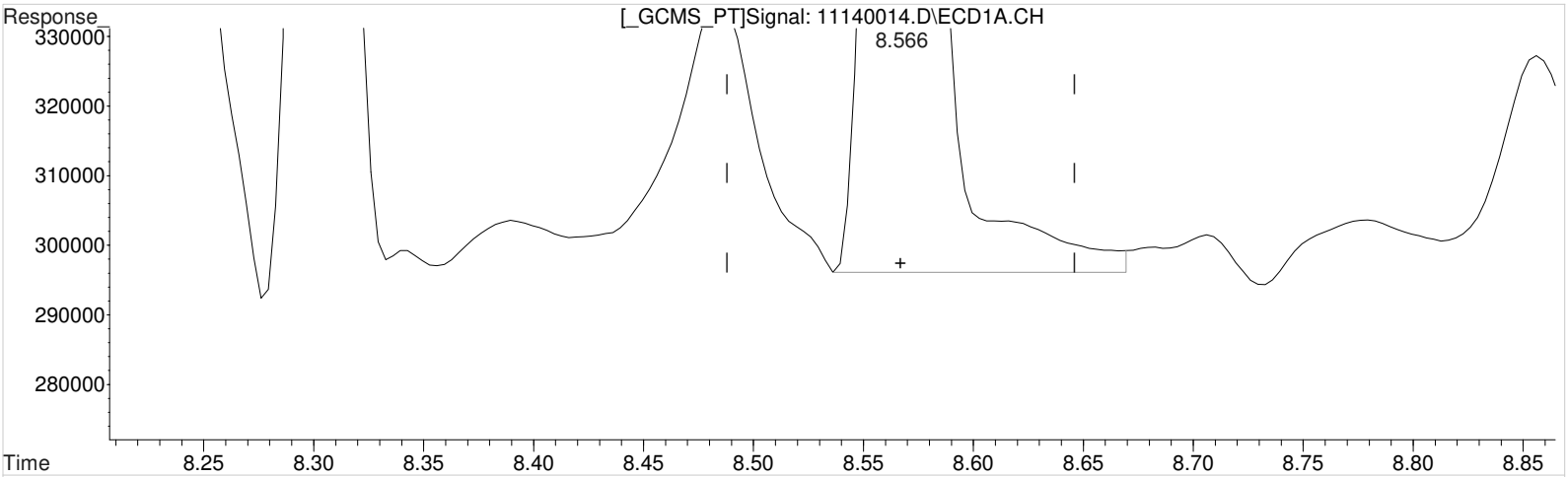
Quantitation Report (Qedit)

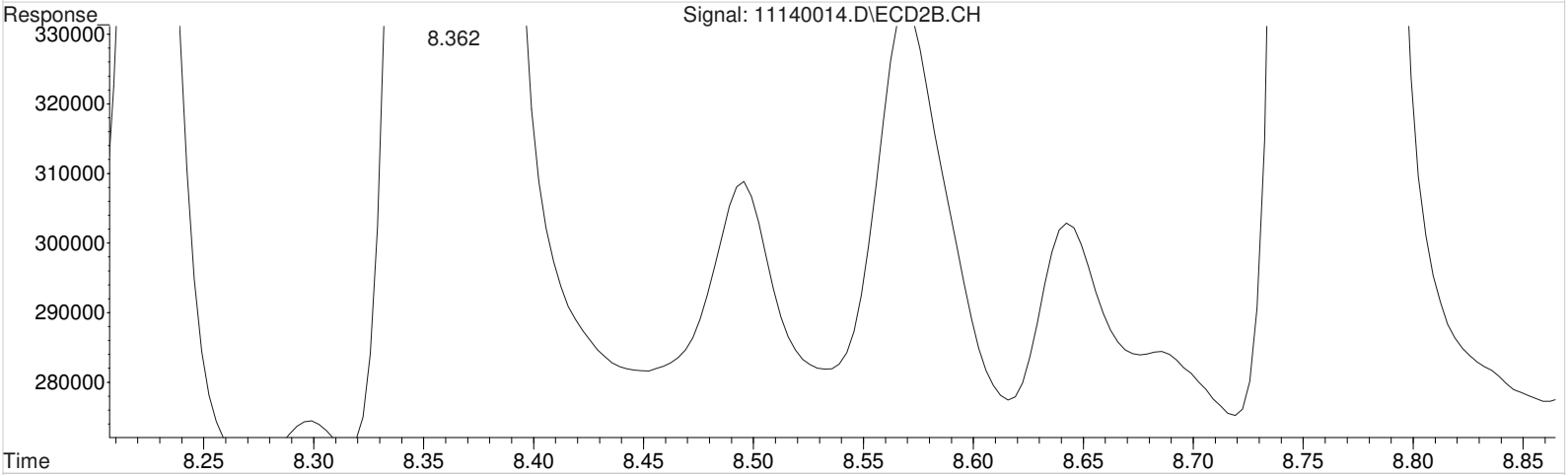
1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140014.D Vial: 12
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 7:14 pm Operator: UA
Sample : KQ2017246-01MS Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 11:24:24 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(5) MCPA (m)

8.566min 6770.400 ppb

response 396424

Manual Integration:

Before

11/16/20

(5) MCPA #2 (m)

8.362min 8065.092 ppb

response 1881447

(+) = Expected Retention Time

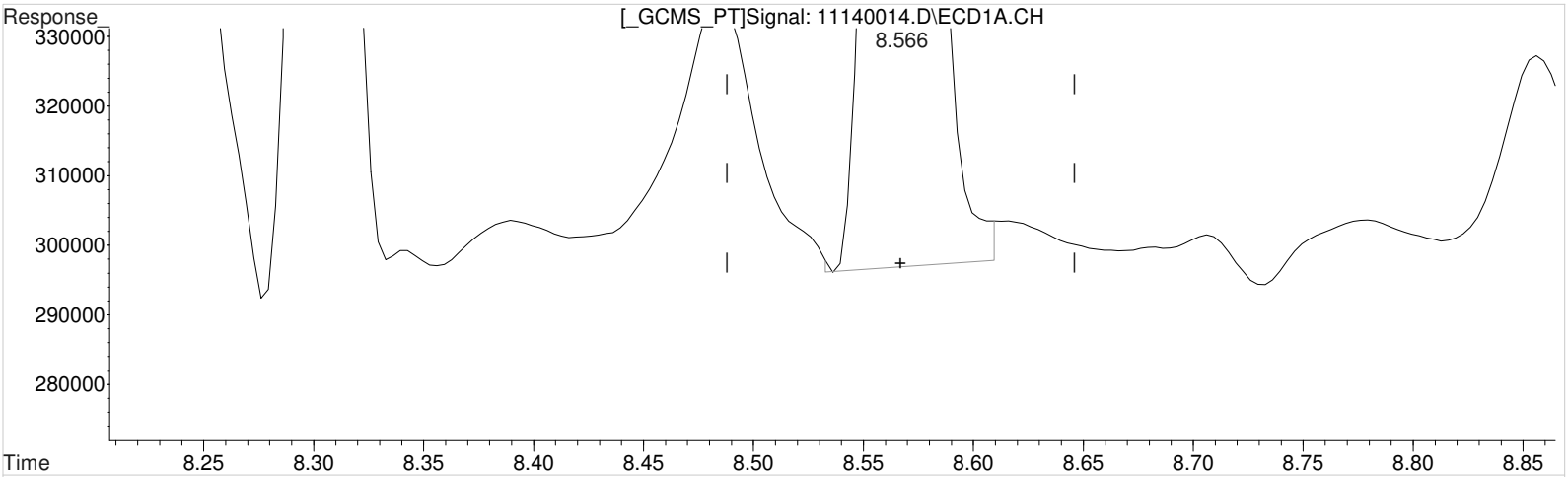
Quantitation Report (Qedit)

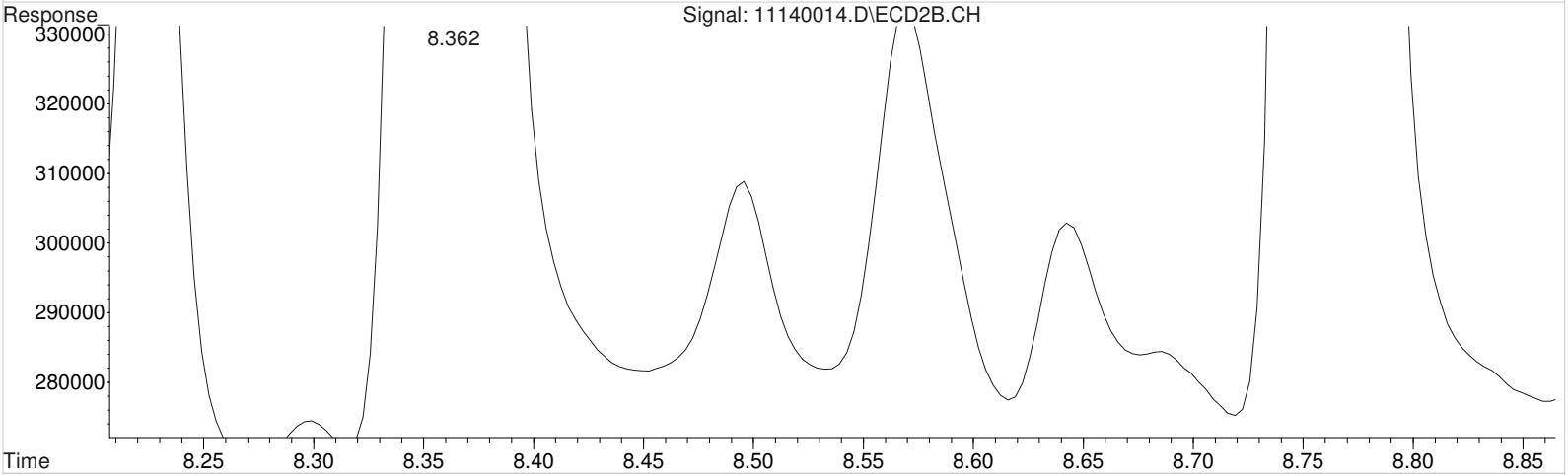
1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140014.D Vial: 12
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 7:14 pm Operator: UA
Sample : KQ2017246-01MS Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 11:24:24 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(5) MCPA (m)

8.566min 6395.420 ppb m

response 374468

Manual Integration:

After

Baseline/Shoulder

11/16/20

(5) MCPA #2 (m)

8.362min 8065.092 ppb

response 1881447

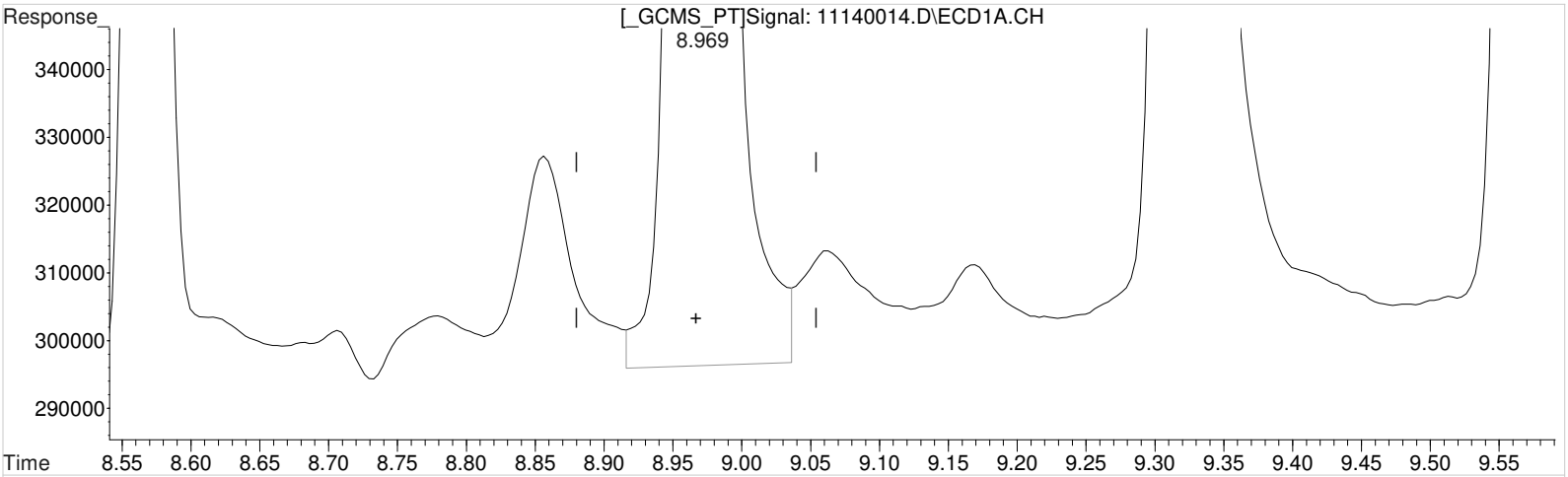
(+) = Expected Retention Time

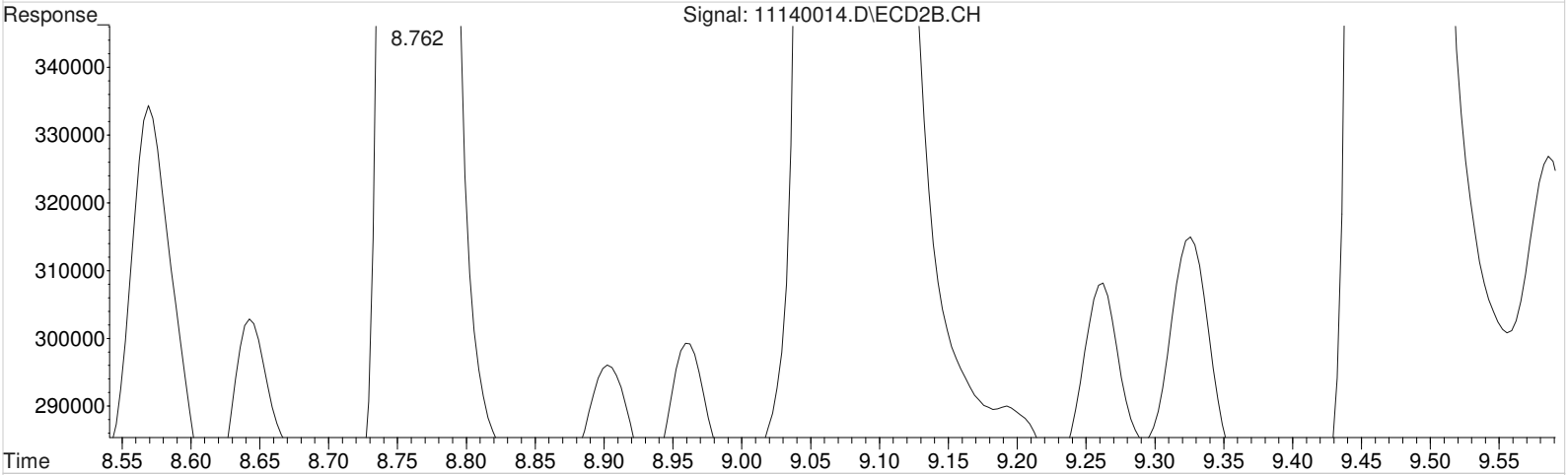
1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140014.D Vial: 12
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 7:14 pm Operator: UA
Sample : KQ2017246-01MS Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 11:24:24 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(6) Dichloroprop (m)

8.969min 65.033 ppb

response 1212714

Manual Integration:

Before

11/16/20

(6) Dichloroprop #2 (m)

8.762min 65.827 ppb

response 2745980

(+) = Expected Retention Time

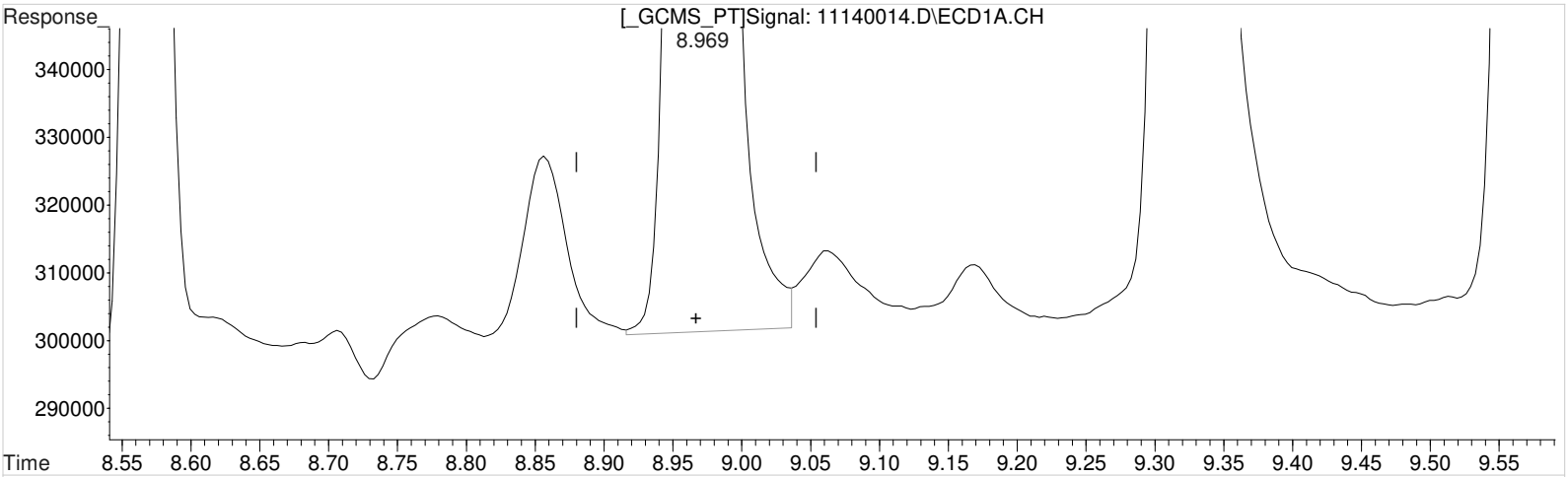
Quantitation Report (Qedit)

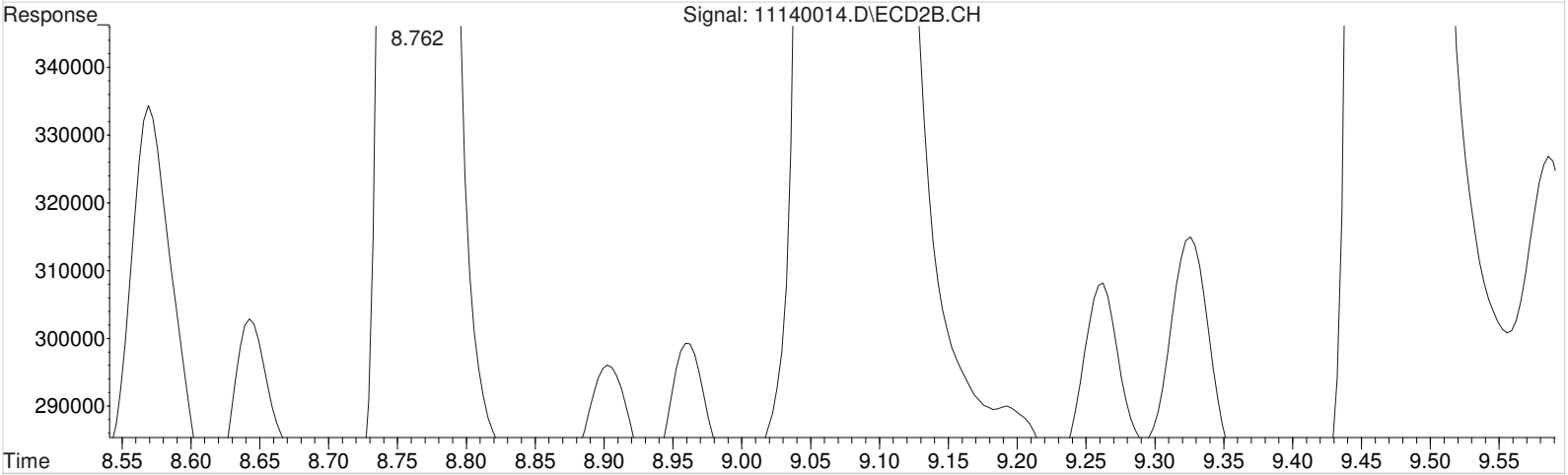
1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140014.D Vial: 12
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 7:14 pm Operator: UA
Sample : KQ2017246-01MS Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 11:24:24 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(6) Dichloroprop (m)

8.969min 63.091 ppb m

response 1176509

Manual Integration:

After

Baseline/Shoulder

11/16/20

(6) Dichloroprop #2 (m)

8.762min 65.827 ppb

response 2745980

(+) = Expected Retention Time

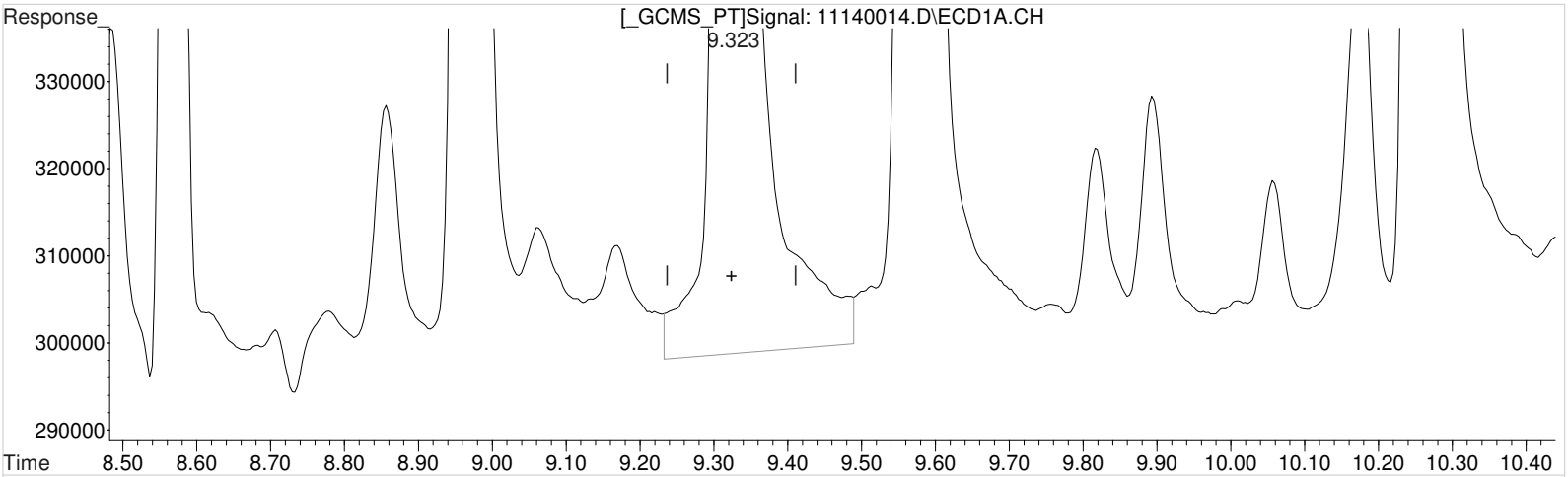
Quantitation Report (Qedit)

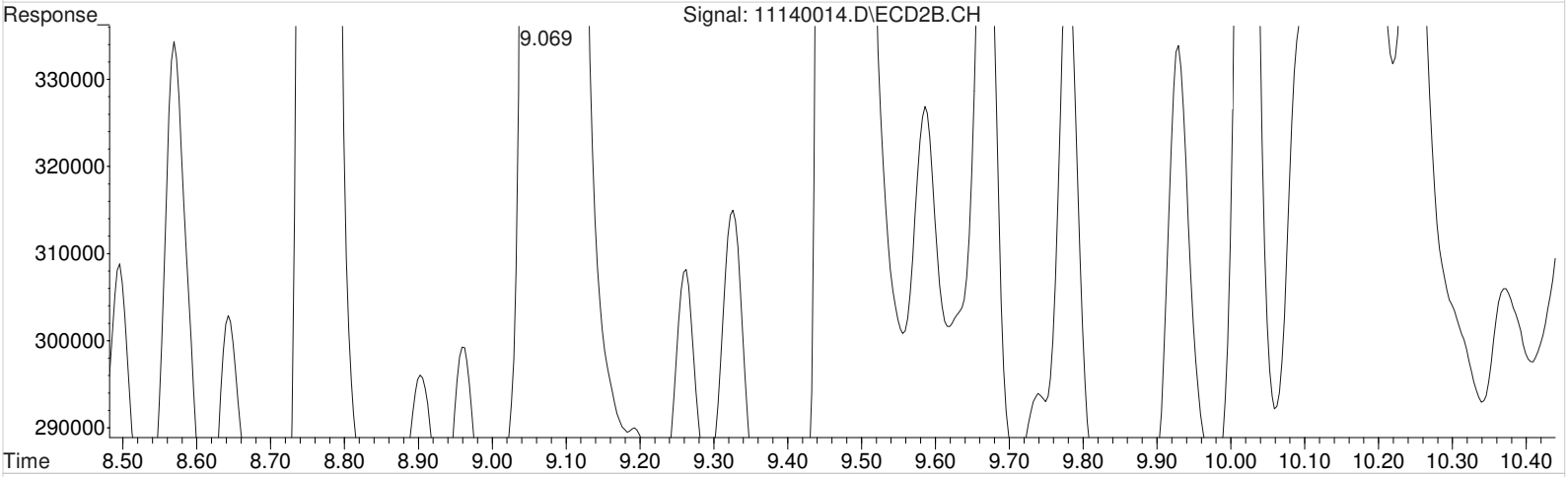
1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140014.D Vial: 12
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 7:14 pm Operator: UA
Sample : KQ2017246-01MS Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 11:24:24 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(7) 2,4-D (m)

9.323min 66.118 ppb

response 1404353

Manual Integration:

Before

11/16/20

(7) 2,4-D #2 (m)

9.069min 68.889 ppb

response 3527001

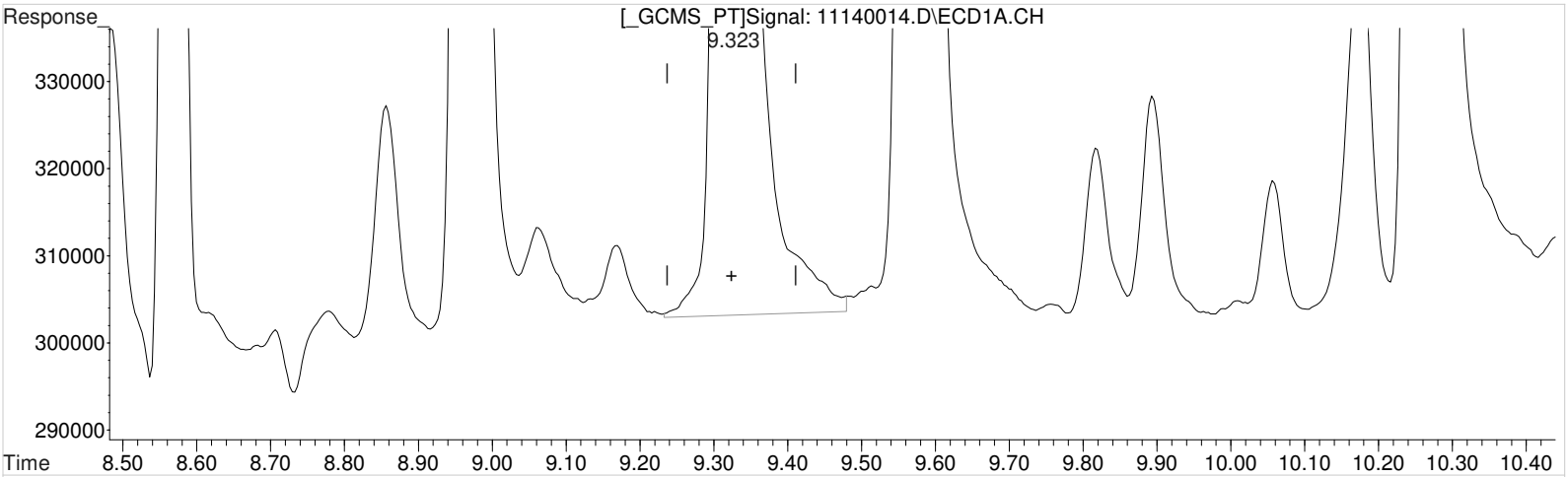
(+) = Expected Retention Time

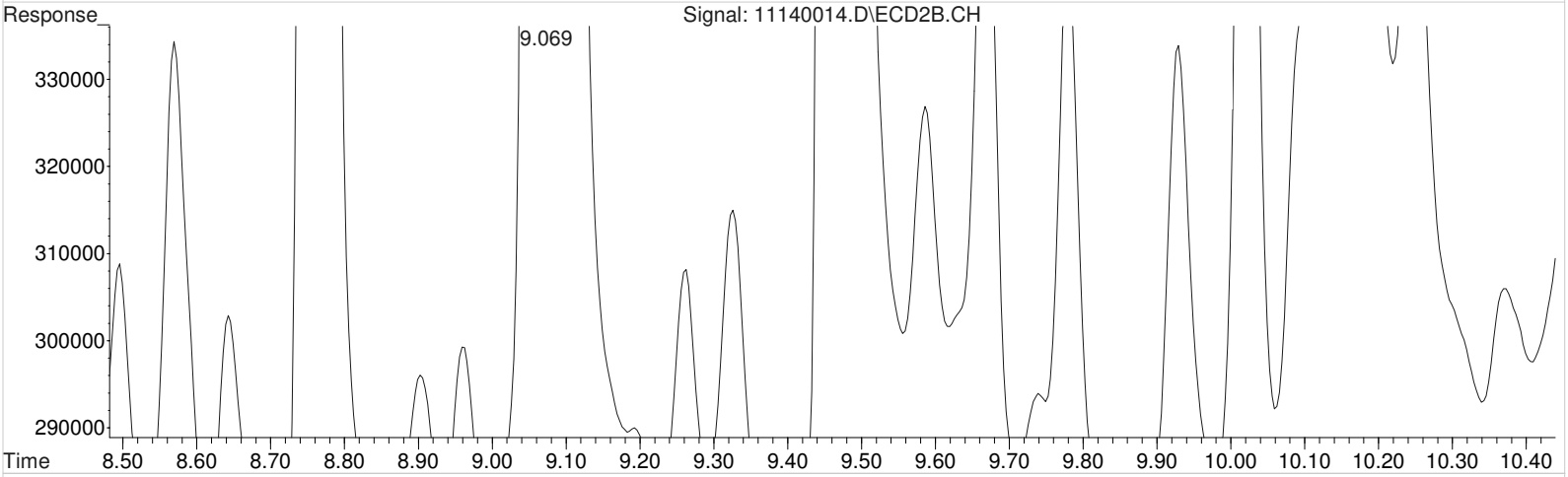
1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140014.D Vial: 12
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 7:14 pm Operator: UA
Sample : KQ2017246-01MS Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 11:24:24 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(7) 2,4-D (m)

9.323min 62.980 ppb m

response 1337696

Manual Integration:

After

Baseline/Shoulder

11/16/20

(7) 2,4-D #2 (m)

9.069min 68.889 ppb

response 3527001

(+) = Expected Retention Time

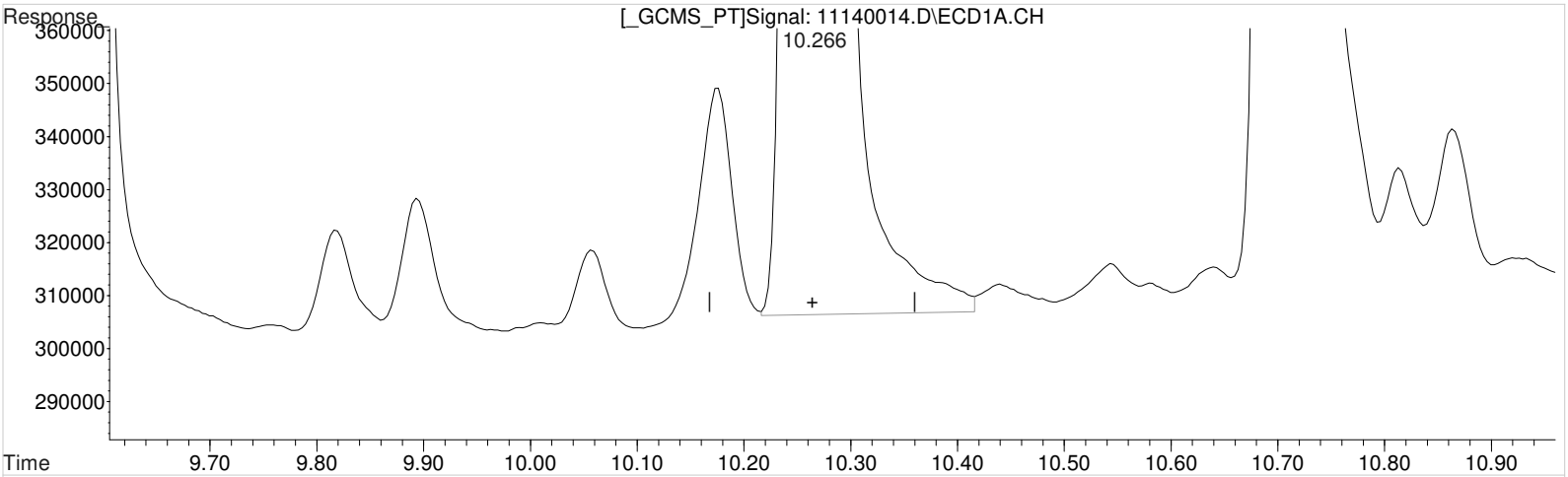
Quantitation Report (Qedit)

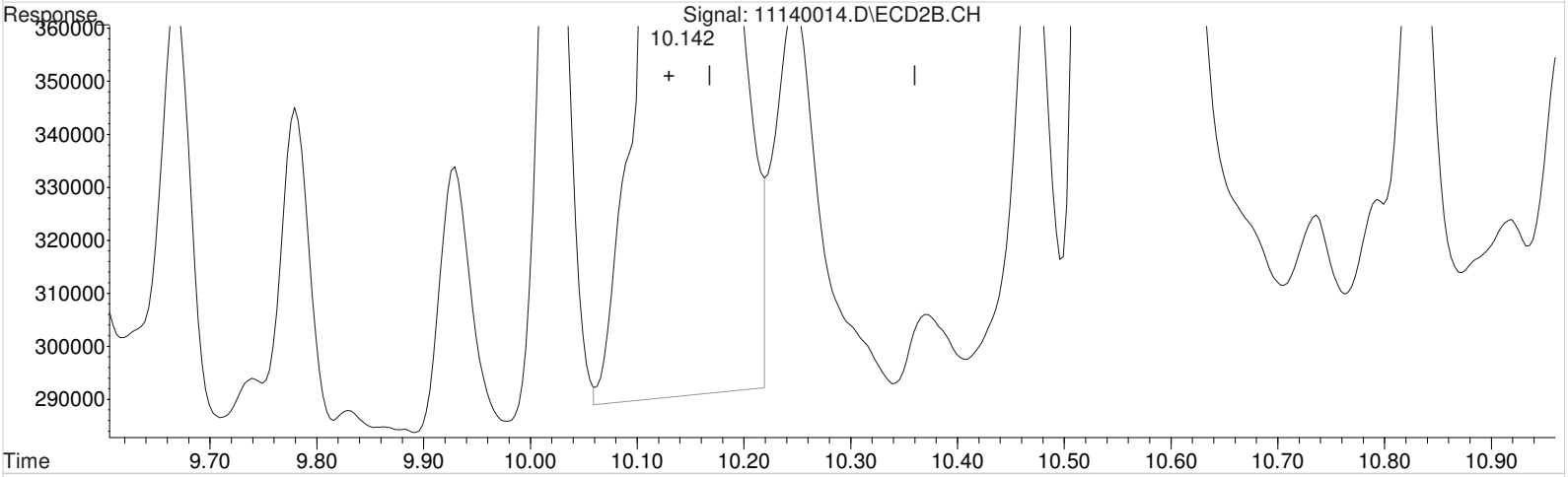
1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140014.D Vial: 12
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 7:14 pm Operator: UA
Sample : KQ2017246-01MS Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 11:24:24 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(8) 2,4,5-TP (Silvex) (m)

10.266min 62.962 ppb

response 5898348

Manual Integration:

Before

11/16/20

(8) 2,4,5-TP (Silvex) #2 (m)

10.142min 73.038 ppb

response 14826568

(+) = Expected Retention Time

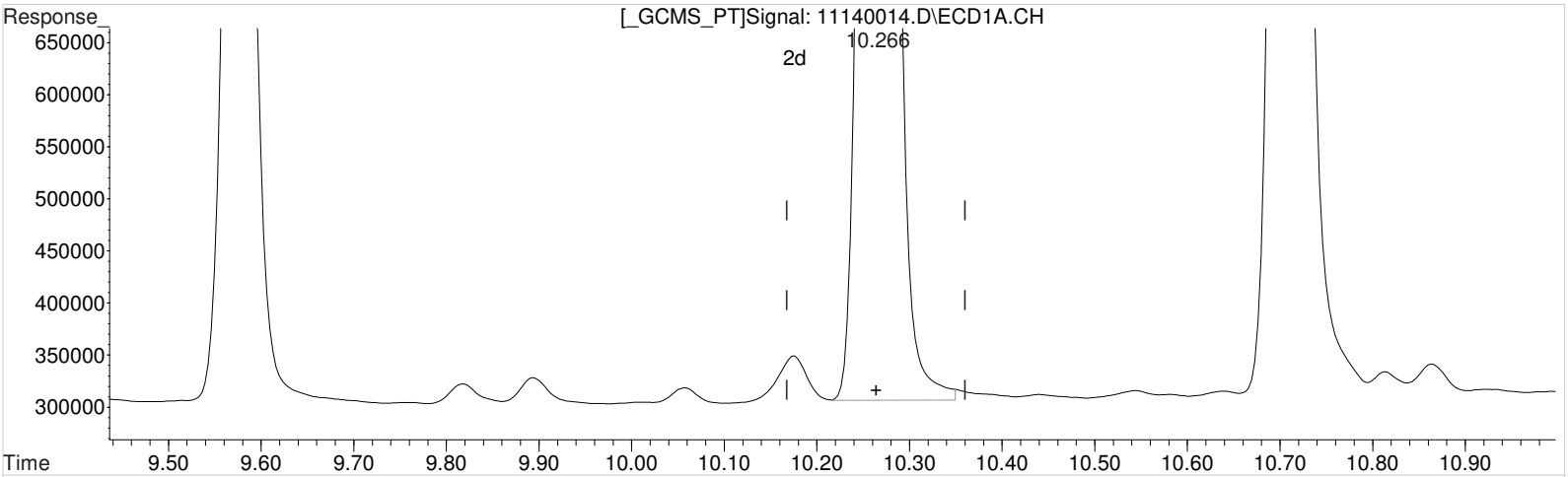
Quantitation Report (Qedit)

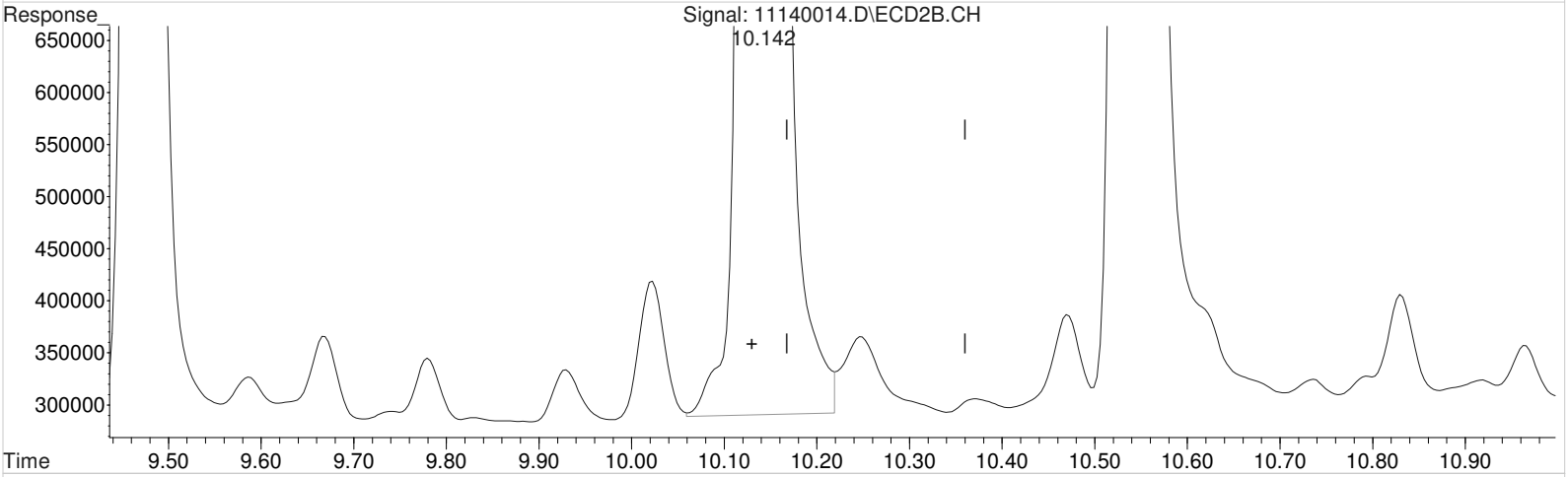
1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140014.D Vial: 12
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 7:14 pm Operator: UA
Sample : KQ2017246-01MS Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 11:24:24 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(8) 2,4,5-TP (Silvex) (m)

10.266min 62.707 ppb m

response 5874428

Manual Integration:

Before

11/16/20

(8) 2,4,5-TP (Silvex) #2 (m)

10.142min 73.038 ppb

response 14826568

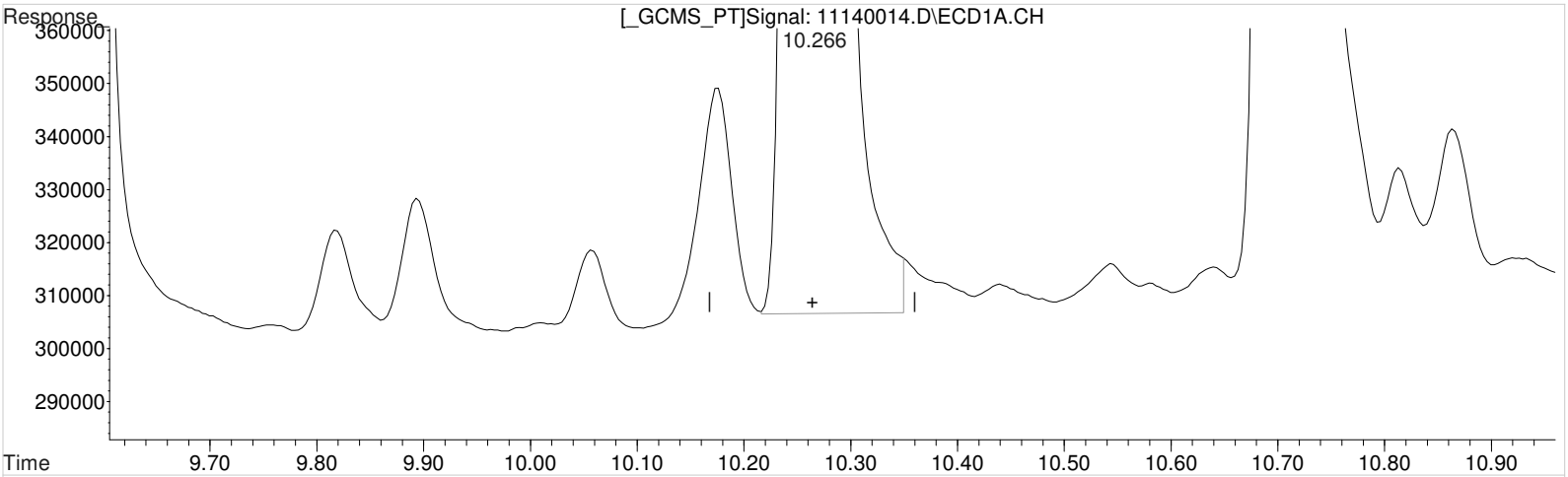
(+) = Expected Retention Time

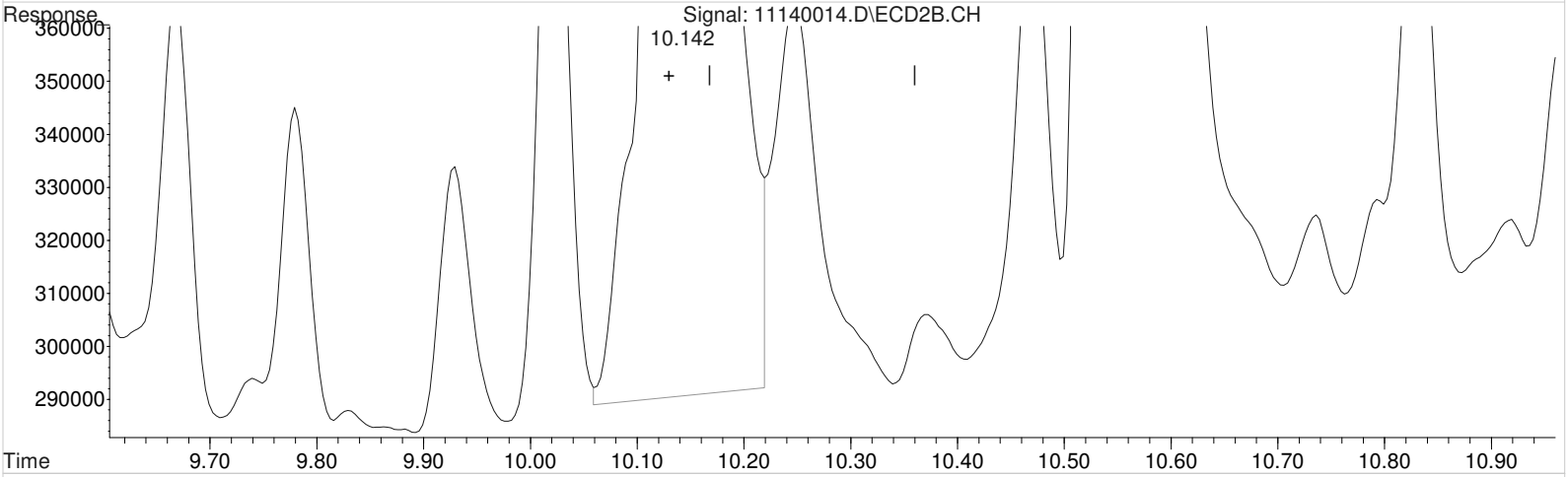
1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140014.D Vial: 12
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 7:14 pm Operator: UA
Sample : KQ2017246-01MS Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 11:24:24 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(8) 2,4,5-TP (Silvex) (m)

10.266min 62.707 ppb m

response 5874428

Manual Integration:

After

Baseline/Shoulder

11/16/20

(8) 2,4,5-TP (Silvex) #2 (m)

10.142min 73.038 ppb

response 14826568

(+) = Expected Retention Time

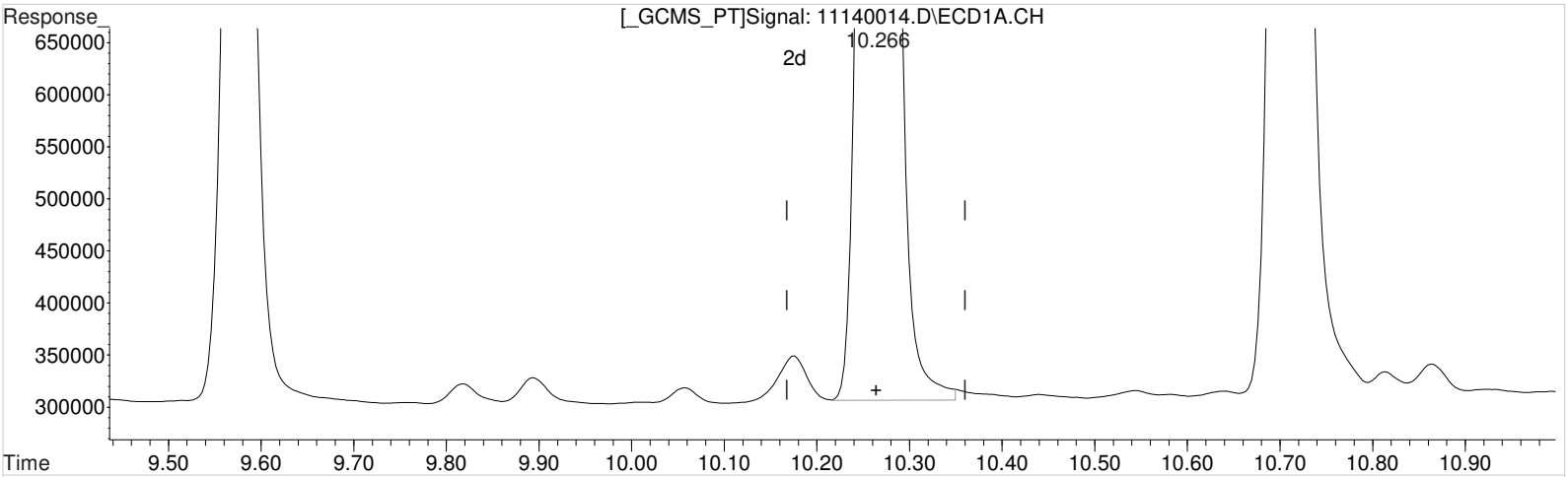
Quantitation Report (Qedit)

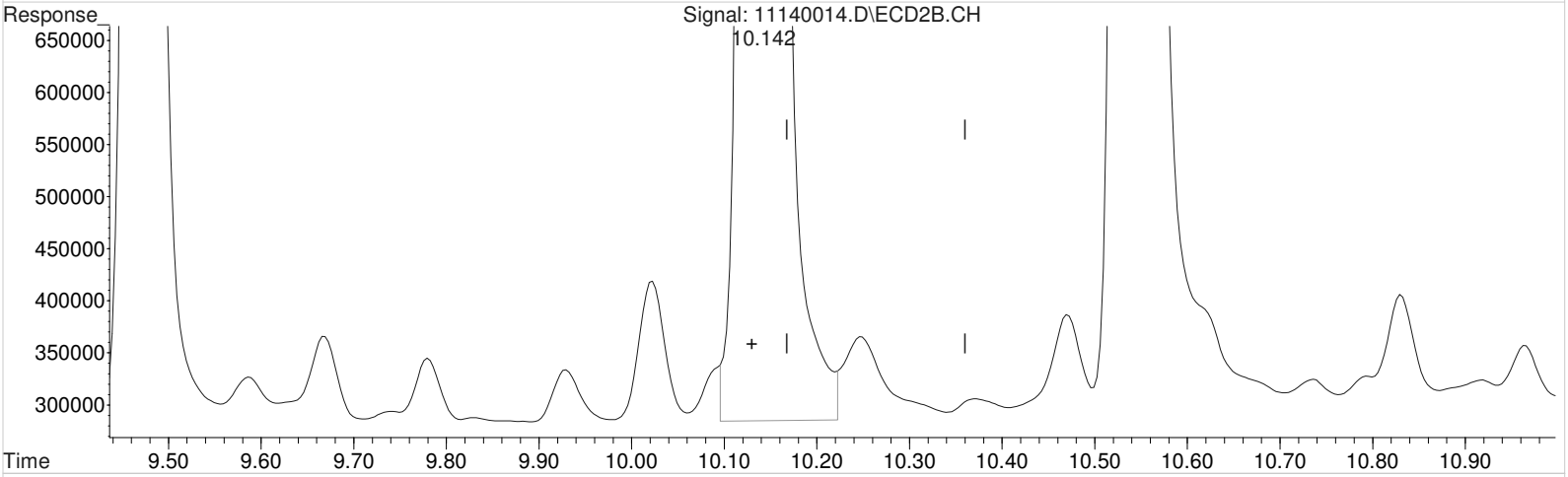
1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140014.D Vial: 12
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 7:14 pm Operator: UA
Sample : KQ2017246-01MS Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 11:24:24 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(8) 2,4,5-TP (Silvex) (m)

10.266min 62.707 ppb m

response 5874428

Manual Integration:

After

Baseline/Shoulder

11/16/20

(8) 2,4,5-TP (Silvex) #2 (m)

10.142min 73.007 ppb m

response 14820287

(+) = Expected Retention Time

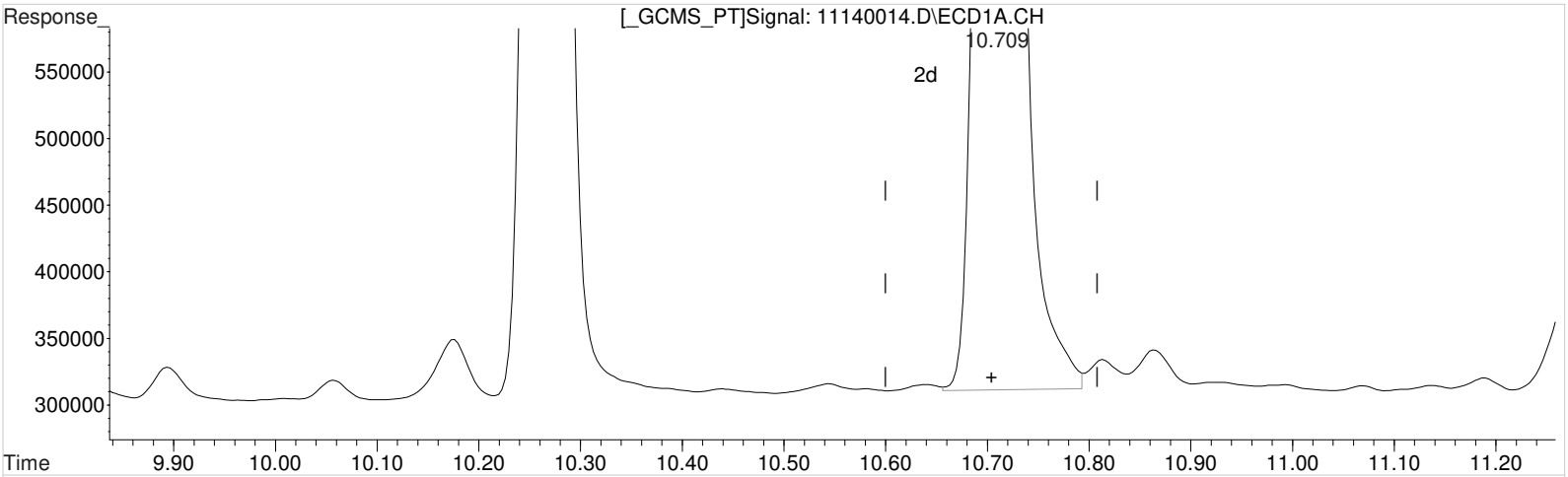
Quantitation Report (Qedit)

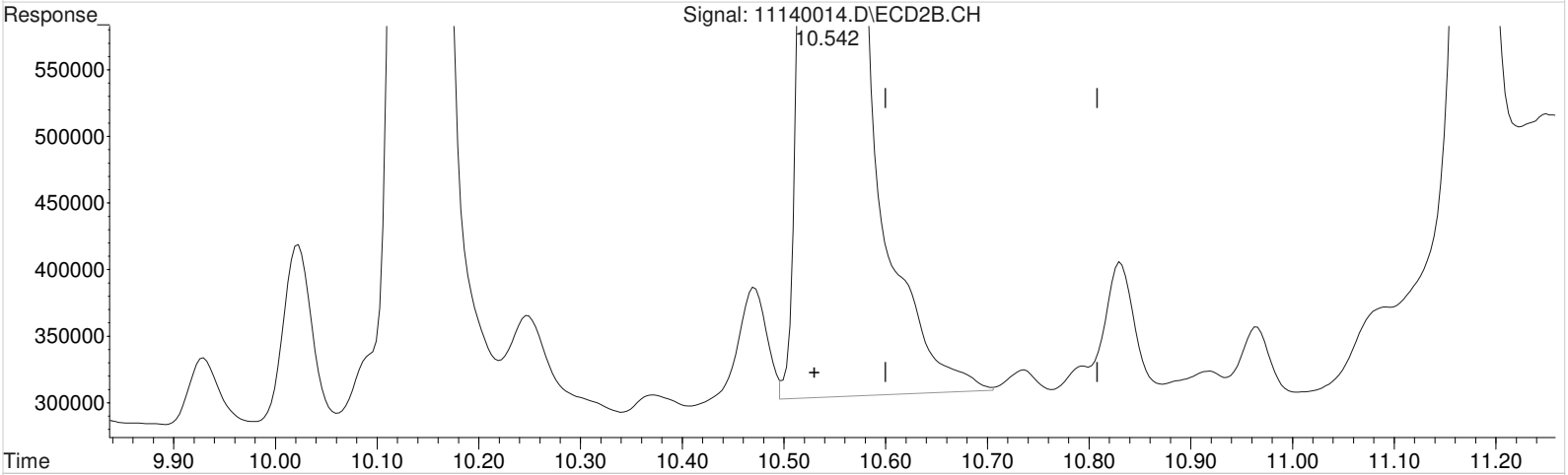
1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140014.D Vial: 12
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 7:14 pm Operator: UA
Sample : KQ2017246-01MS Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 11:24:24 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(9) 2,4,5-T (m)

10.709min 61.738 ppb

response 5094011

Manual Integration:

Before

11/16/20

(9) 2,4,5-T #2 (m)

10.542min 73.558 ppb

response 14076617

(+) = Expected Retention Time

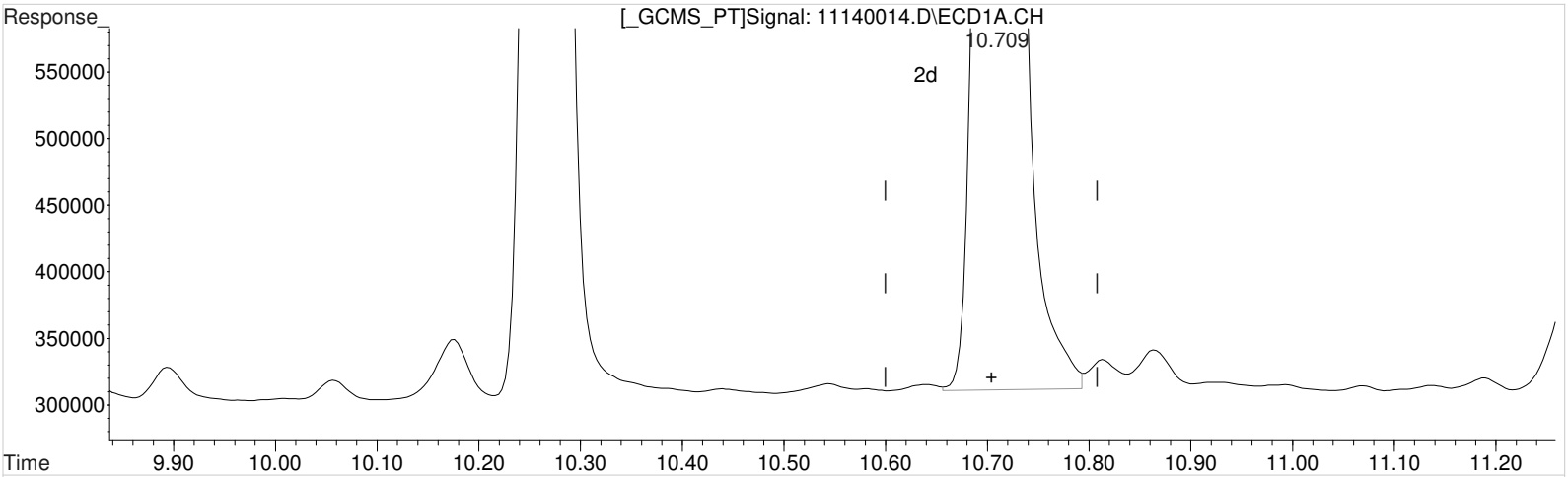
Quantitation Report (Qedit)

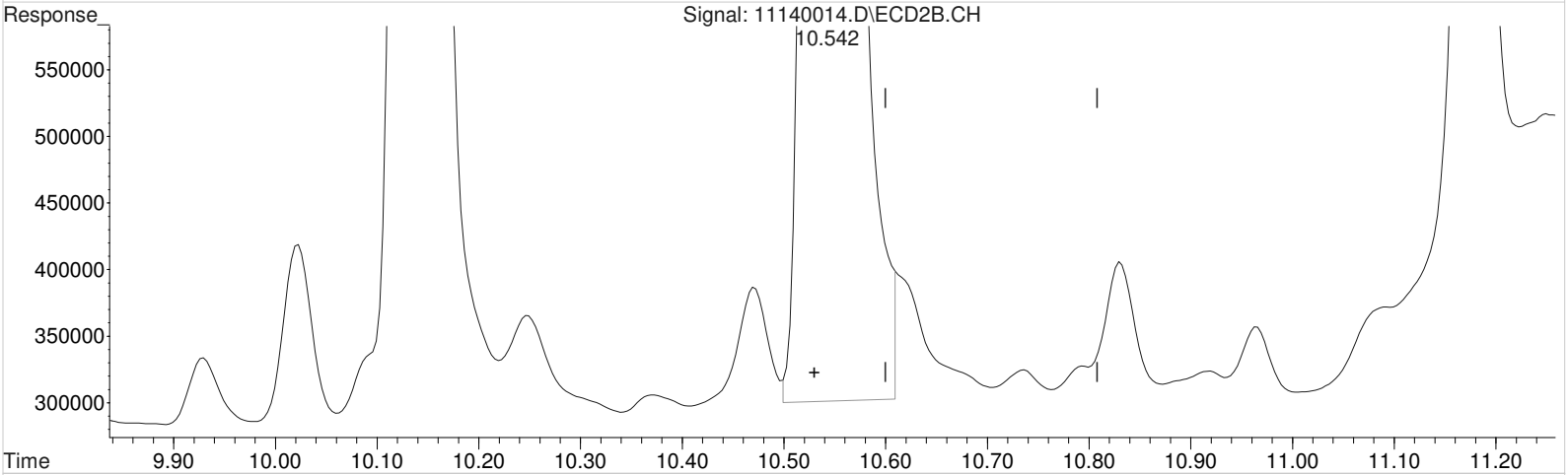
1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140014.D Vial: 12
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 7:14 pm Operator: UA
Sample : KQ2017246-01MS Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 11:24:24 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(9) 2,4,5-T (m)

10.709min 61.738 ppb

response 5094011

Manual Integration:

After

Baseline/Shoulder

11/16/20

(9) 2,4,5-T #2 (m)

10.542min 72.689 ppb m

response 13910199

(+) = Expected Retention Time

1st 11/16/20
2nd UA 11/17/20

Validation Report

Data File: J:\gc24\data\111420\11140015.D\
Lab ID: KQ2017246-02
RunType: DMS
Matrix: Sediment

Date Acquired: 11/14/20 19:37:00
Batch ID: 703599
Analysis Method: 8151A/HERB

Validations

Validation Categories	Pass	Fail
Analytical Hold Time	X	
ICAL Analyte Recovery	X	
Second Source ICAL Verification	X	
Continuing Calibration Recovery		X
Continuing Calibration Recovery (Closing)		X
Surrogates	X	
Std MRL Unsupported by ICAL	X	
Above Highest ICAL Level	X	
Analyte Coelutions	X	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
Continuing Calibration Recovery - ZB-XLB-HT	MCPA	23		20	RO CCV+ND
	MCPP	24		20	
Continuing Calibration Recovery (Closing) - ZB-XLB-HT	2,4,5-TP (Silvex)	23		20	
	MCPA	26		20	
	MCPP	25		20	

Primary Review: _____

Printed: 11/17/20 15:41
\\alprews001\starlims$\LIMSReps\QuantValidation.rpt

Secondary Review: _____

1st 11/16/20
2nd UA 11/17/20

Quantitation Report

Data File:	J:\gc24\data\111420\11140015.D\	**Instrument:**	K-GC-24
Acqu Date:	11/14/20 19:37:00	**Vial:**	15
Run Type:	DMS	**Dilution:**	1
Lab ID:	KQ2017246-02	**Raw Units:**	ppb

Bottle ID:	K2010068-001.01	**Tier:**	IV	**Matrix:**	Sediment
Prod Code:	HERB	**Collect Date:**	10/28/20	**Receive Date:**	11/3/20

Analysis Lot:	703599	**Prep Lot:**	369146	**Report Group:**	KQ2017246
Analysis	8151A	**Prep Method:**	Method		
		Prep Date:	11/4/20		

Title:	Chlorinated Herbicides by GC	**Calibration ID:**	KC2000566
		Report List ID:	18726

Surrogate Compounds

Parameter Name	RT 1	RT 2	Resp 1	Resp 2	Solution Conc 1	Solution Conc 2	% Rec 1	% Rec 2	% Rec	% Rec Criteria	Rpt?
2,4-Dichlorophenylacetic Acid	7.99 -0.01	7.81 -0.01	1371955	3452737	75.396	81.629	75	82	75	26 - 127	Y

Target Compounds

Final Conc.Units: ug/Kg

Parameter Name	RT 1	RT 2	Resp 1	Resp 2	Solution Conc 1	Solution Conc 2		Final Conc 1	Final Conc 2	Primary Conc		Rpt?
2,4,5-T	10.70 -0.01	10.53 -0.01	5983604	16241496	72.520	84.871		146	171	**146**		Y
2,4,5-TP (Silvex)	10.25 -0.01	10.13 -0.01	6996269	17423362	74.682	85.830^{CCV}	RO	151	173	**151**		Y
2,4-D	9.31 -0.01	9.06 -0.01	1565156	4134427	73.689	80.753		149	163	**149**		Y
2,4-DB	11.27 -0.02	11.16 -0.02	781878	1853618	76.211	63.883		154	129	**129**		Y
Dalapon	3.12 -0.01	2.88	1438591	4722172	59.303	97.742		120	197	**120**	P	Y
Dicamba	8.21 -0.01	7.92 -0.01	5237695	11404698	75.039	76.948		152	155	**152**		Y
Dichlorprop	8.96 -0.01	8.75 -0.01	1380955	3182791	74.055	76.298		150	154	**150**		Y
Dinoseb	11.67 -0.02	11.31 -0.02	2469206	5174804	39.912	37.839		80.6	76.4	**76.4**		Y
MCPA	8.56 -0.01	8.35 -0.01	459115	2092940	7841.079	9182.889^{CCV}	RO	15800	18500	**15800**		Y
MCPP	8.29 -0.01	8.10 -0.01	359998	1510059	8255.636	9017.844^{CCV}	RO	16700	18200	**16700**		Y

Prep Amount:	30.088 g	**Dilution:**	1
Prep Final Amount:	50.00 mL	**Basis Factor:**	82.30

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

Printed: 11/17/20 15:41
\\alprews001\starlims$\LIMSReps\QuantValidation.rpt

Quantitation Report (QT Reviewed)

1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140015.D Vial: 13
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 7:37 pm Operator: UA
Sample : KQ2017246-02DMS Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 16:11:43 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm

		Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
		System Monitoring Compounds						
2)	s	2,4-Dichl...	7.985	7.812	1371955	3452737	75.396m	81.629
		Target Compounds						
1)	m	Dalapon	3.122	2.875	1438591	4722172	59.303m	97.742m#
3)	m	Dicamba	8.205	7.915	5237695	11404698	75.039	76.948
4)	m	MCPP	8.292	8.102	359998	1510059	8255.636m	9017.844
5)	m	MCPA	8.555	8.348	459115	2092940	7841.079	9182.889
6)	m	Dichloroprop	8.955	8.748	1380955	3182791	74.055m	76.298
7)	m	2,4-D	9.309	9.055	1565156	4134427	73.689m	80.753
8)	m	2,4,5-TP ...	10.252	10.125	6996269	17423362	74.682	85.830m
9)	m	2,4,5-T	10.695	10.528	5983604	16241496	72.520	84.871m
10)	m	2,4-DB	11.272	11.162	781878	1853618	76.211	63.883m
11)	m	Dinoseb	11.672	11.312	2469206	5174804	39.912	37.839m

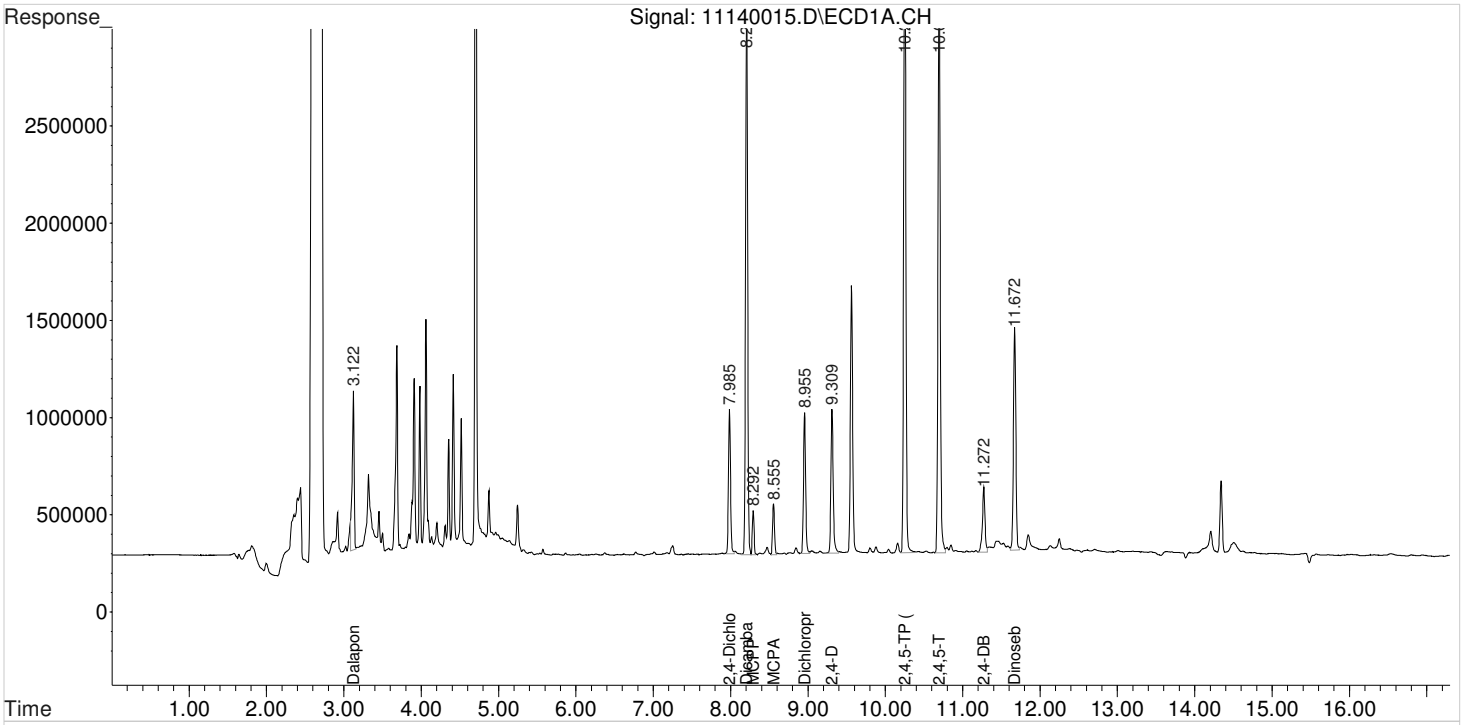
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

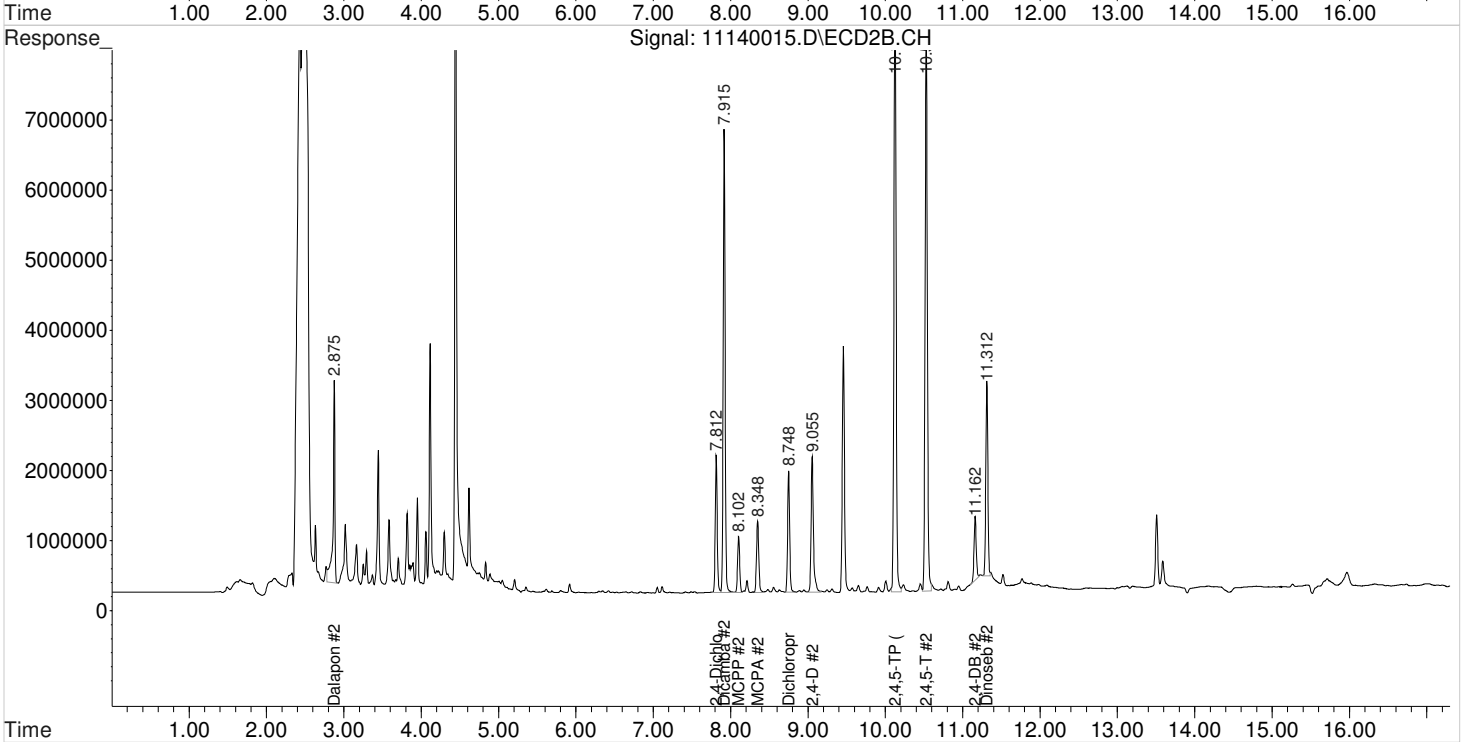
1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140015.D Vial: 13
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 7:37 pm Operator: UA
Sample : KQ2017246-02DMS Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 16:11:43 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





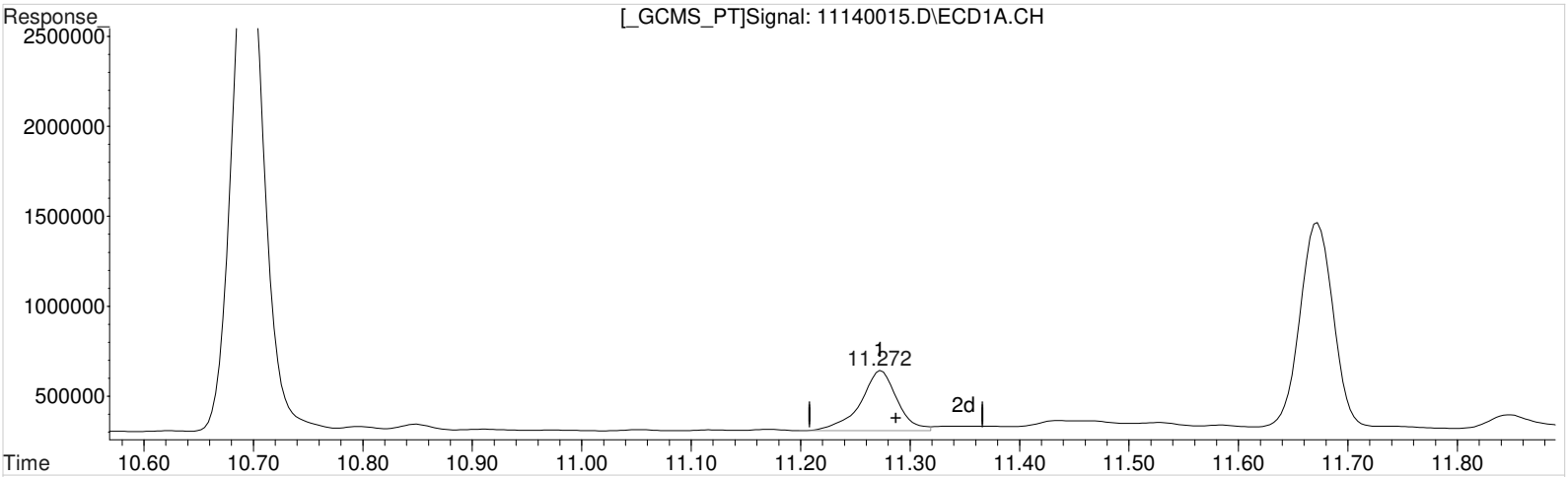
Quantitation Report (Qedit)

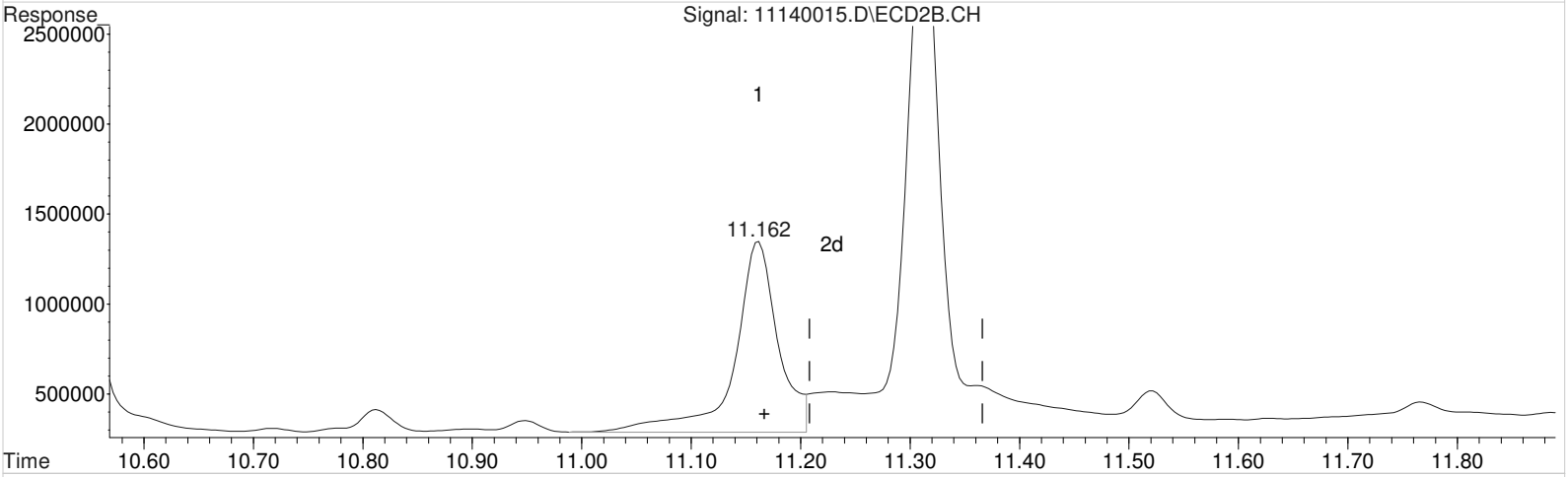
1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140015.D Vial: 13
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 7:37 pm Operator: UA
Sample : KQ2017246-02DMS Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 11:24:27 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(10) 2,4-DB (m)

11.272min 76.211 ppb

response 781878

(10) 2,4-DB #2 (m)

11.162min 102.118 ppb

response 2963040

Manual Integration:

Before

11/16/20

(+) = Expected Retention Time

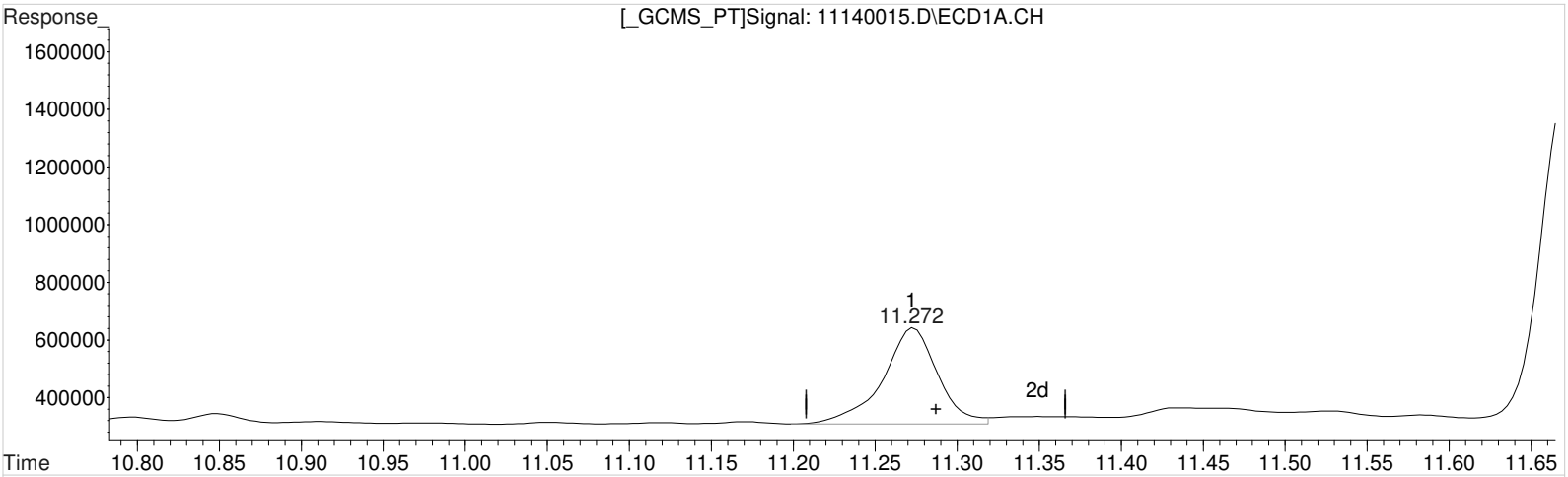
Quantitation Report (Qedit)

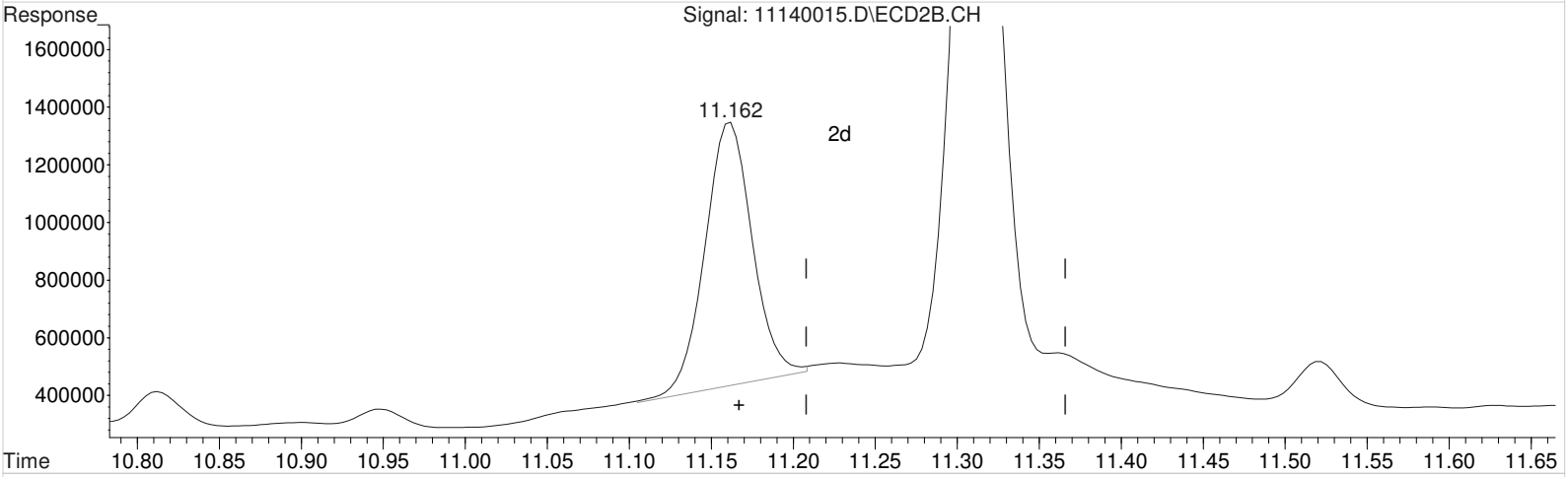
1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140015.D Vial: 13
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 7:37 pm Operator: UA
Sample : KQ2017246-02DMS Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 11:24:27 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(10) 2,4-DB (m)

11.272min 76.211 ppb

response 781878

Manual Integration:

After

Baseline/Shoulder

11/16/20

(10) 2,4-DB #2 (m)

11.162min 63.883 ppb m

response 1853618

(+) = Expected Retention Time

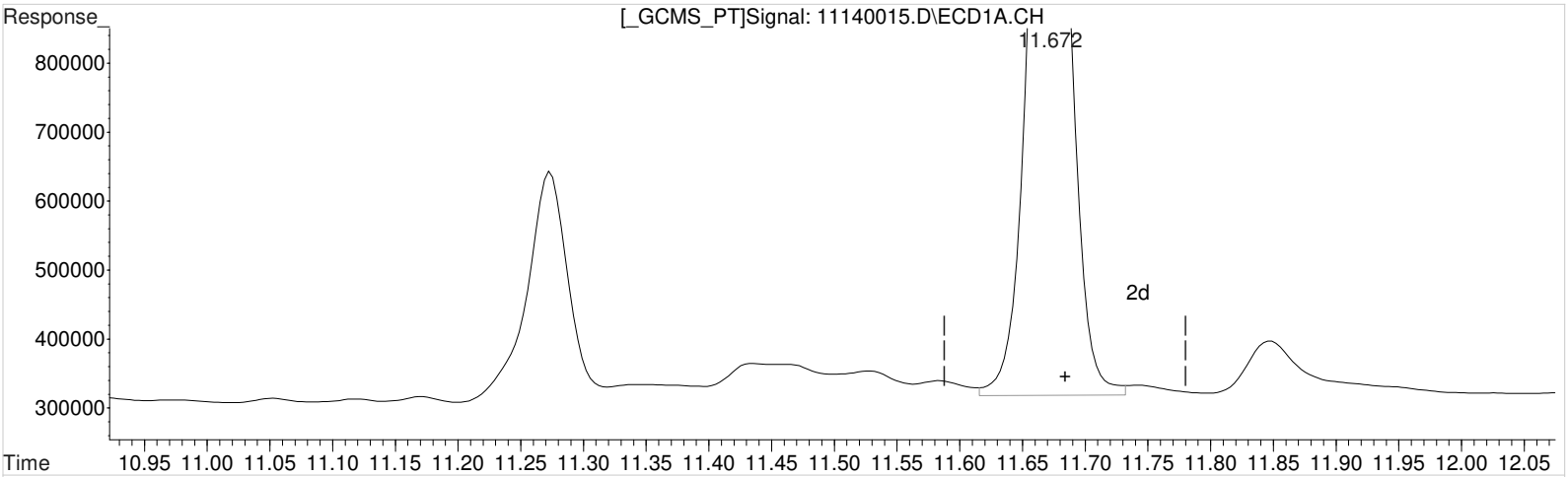
Quantitation Report (Qedit)

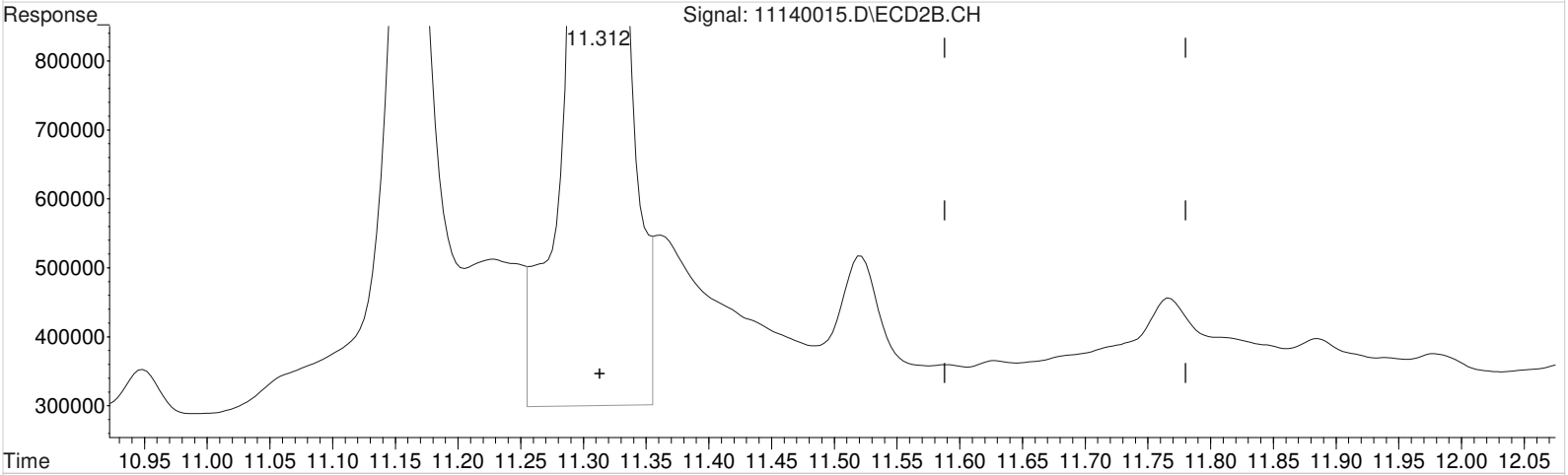
1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140015.D Vial: 13
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 7:37 pm Operator: UA
Sample : KQ2017246-02DMS Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 11:24:27 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(11) Dinoseb (m)

11.672min 39.912 ppb

response 2469206

Manual Integration:

Before

11/16/20

(11) Dinoseb #2 (m)

11.312min 46.420 ppb

response 6348191

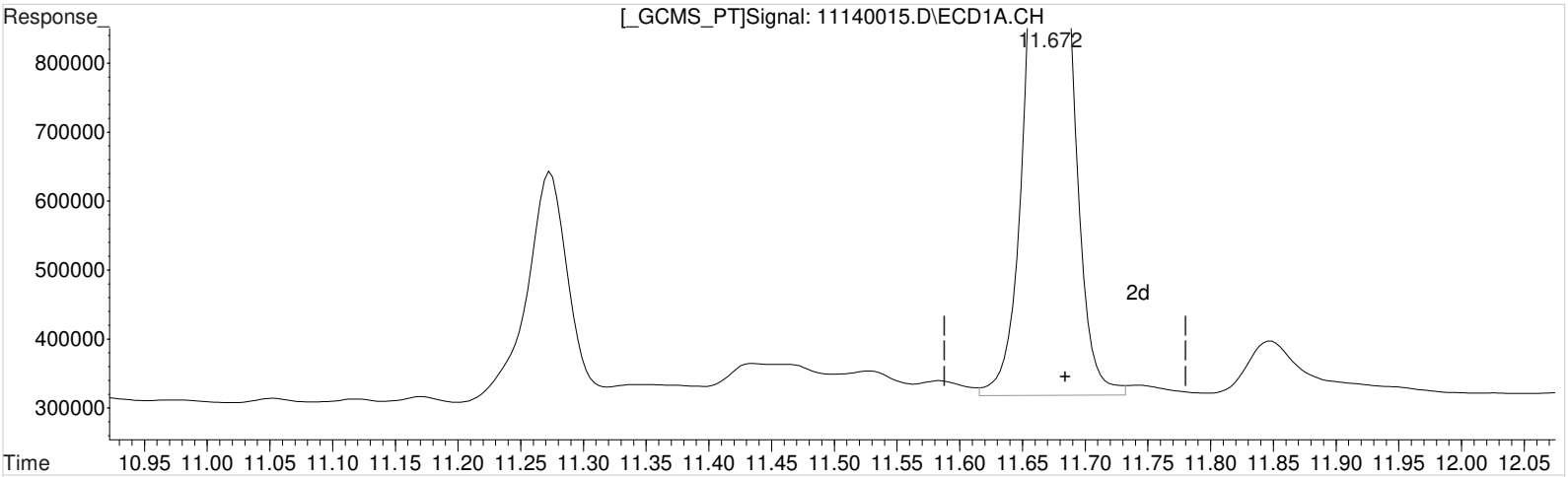
(+) = Expected Retention Time

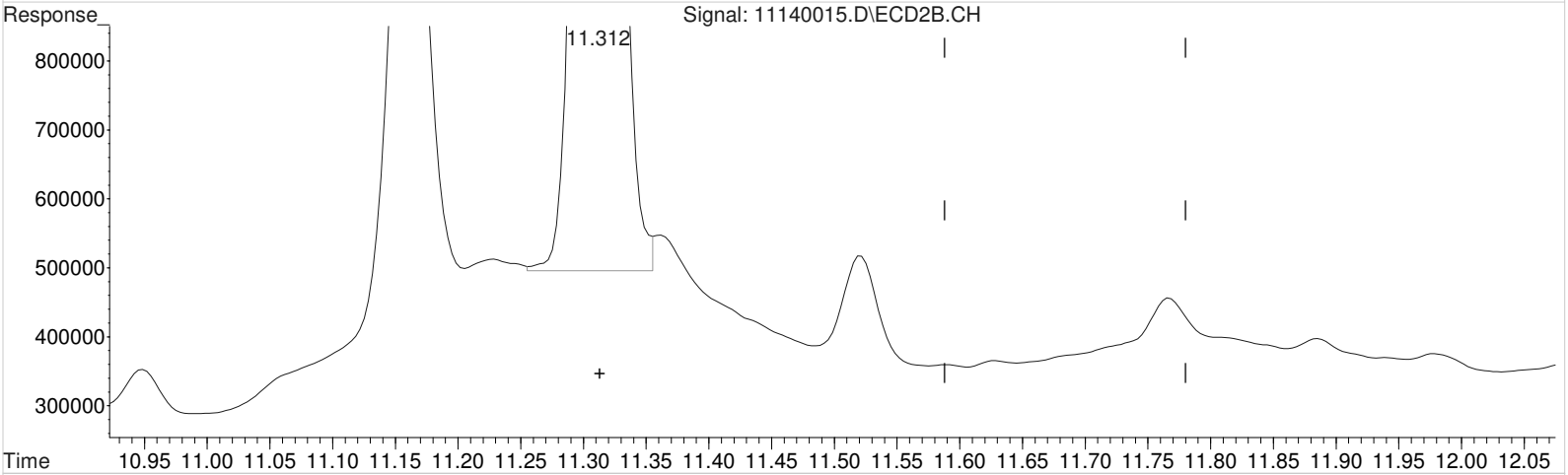
1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140015.D Vial: 13
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 7:37 pm Operator: UA
Sample : KQ2017246-02DMS Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 11:24:27 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(11) Dinoseb (m)

11.672min 39.912 ppb

response 2469206

Manual Integration:

After

Baseline/Shoulder

11/16/20

(11) Dinoseb #2 (m)

11.312min 37.839 ppb m

response 5174804

(+) = Expected Retention Time

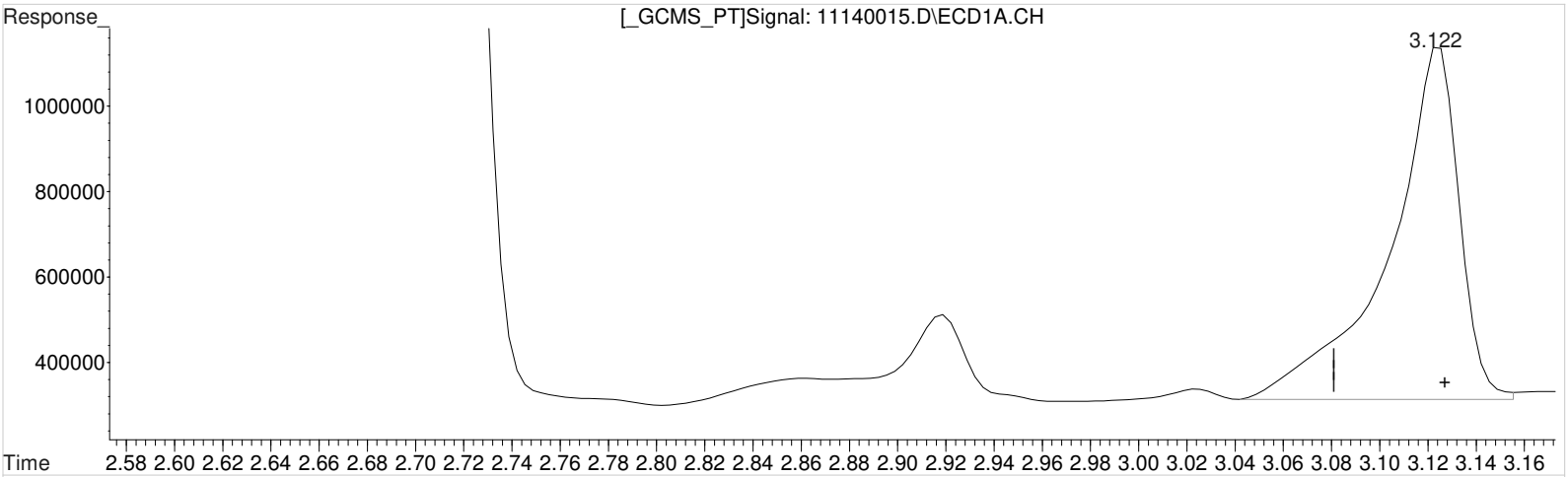
Quantitation Report (Qedit)

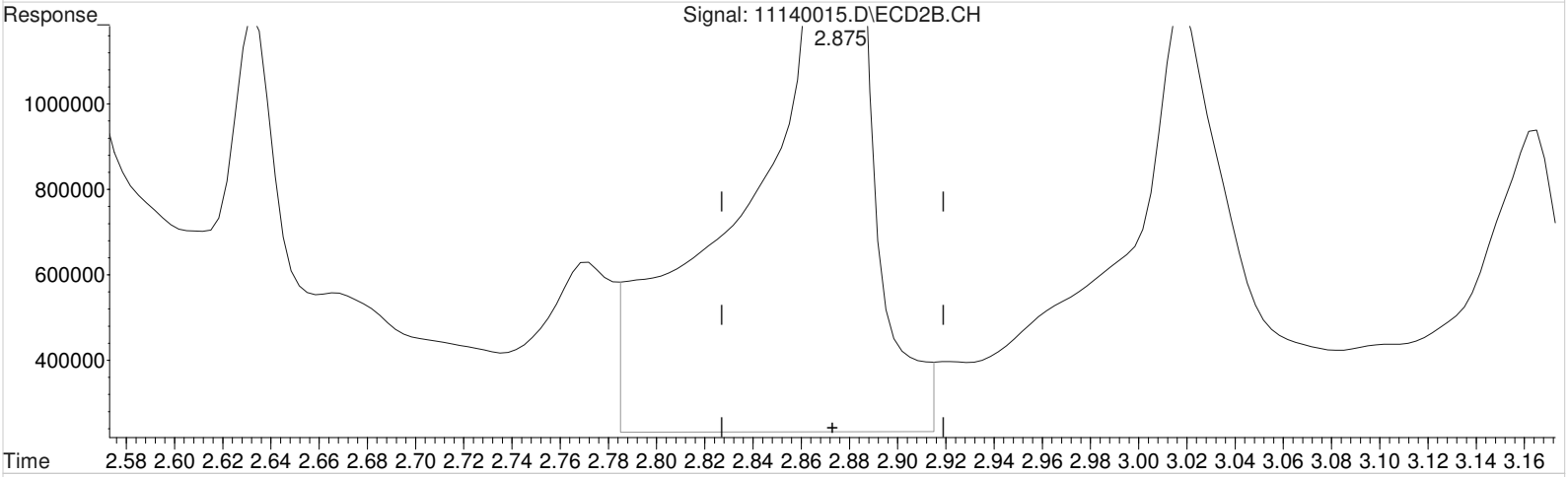
1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140015.D Vial: 13
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 7:37 pm Operator: UA
Sample : KQ2017246-02DMS Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 11:24:27 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(1) Dalapon (m)

3.122min 68.473 ppb

response 1661060

(1) Dalapon #2 (m)

2.875min 124.131 ppb

response 5997106

Manual Integration:

Before

11/16/20

(+) = Expected Retention Time

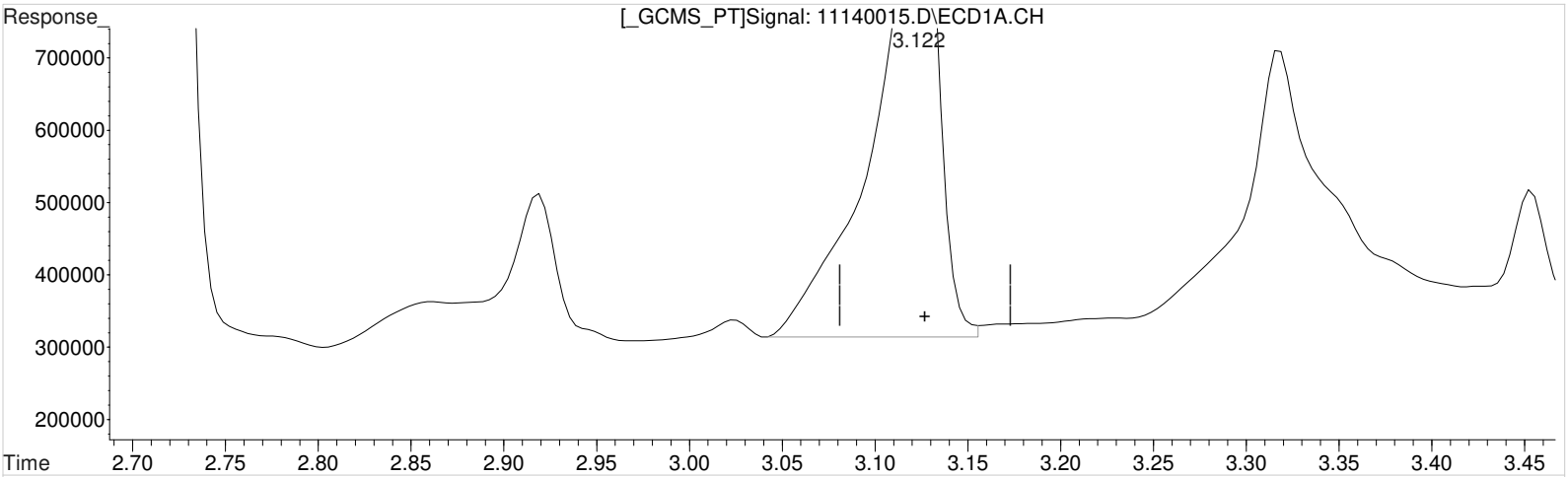
Quantitation Report (Qedit)

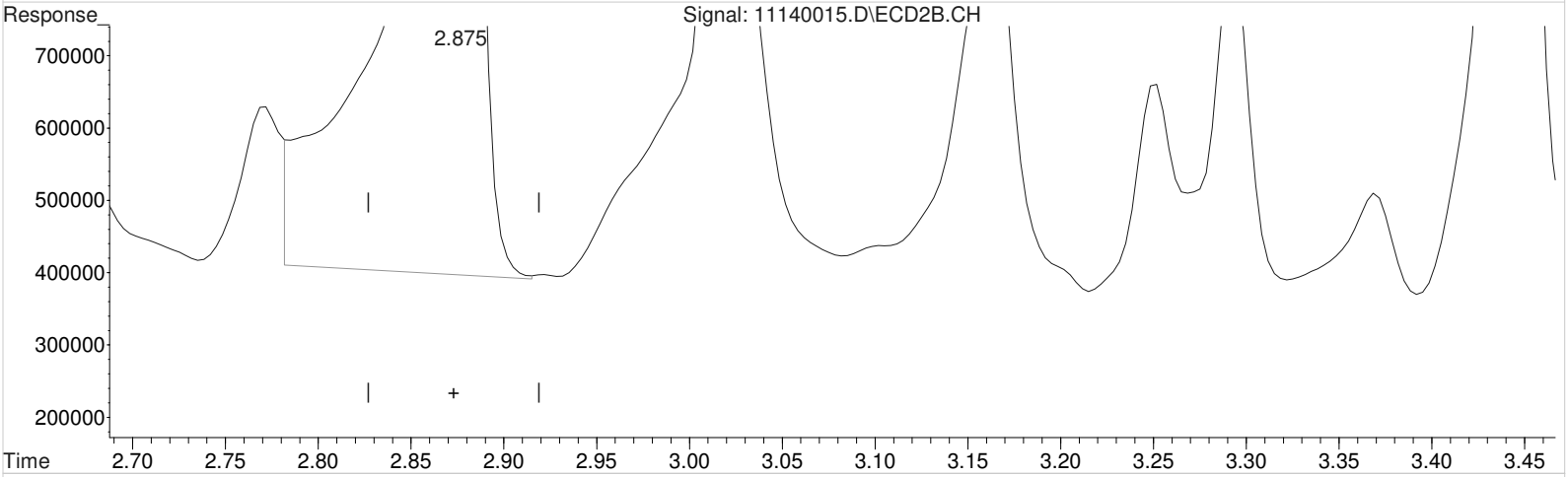
1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140015.D Vial: 13
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 7:37 pm Operator: UA
Sample : KQ2017246-02DMS Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 11:24:27 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(1) Dalapon (m)

3.122min 68.473 ppb

response 1661060

(1) Dalapon #2 (m)

2.875min 97.742 ppb m

response 4722172

Manual Integration:

Before

11/16/20

(+) = Expected Retention Time

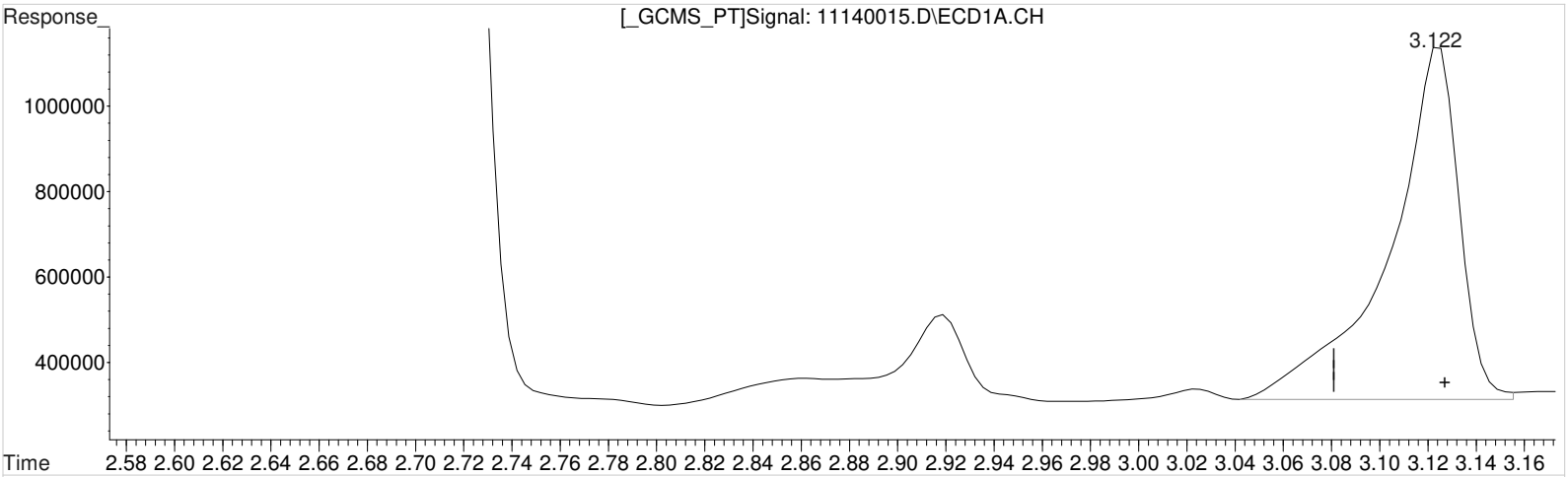
Quantitation Report (Qedit)

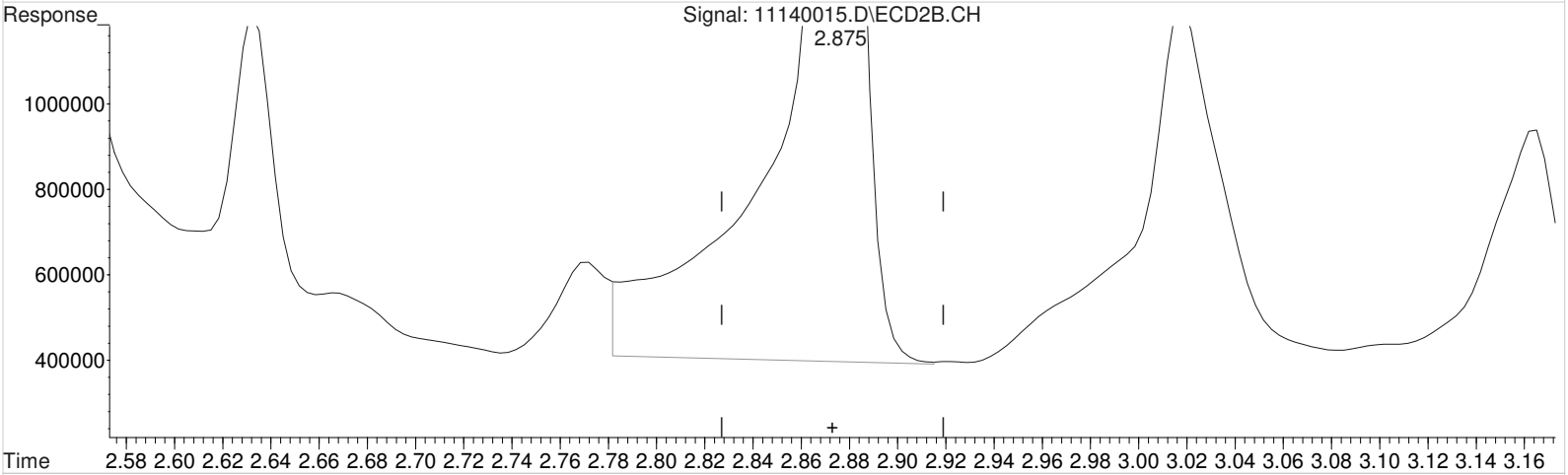
1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140015.D Vial: 13
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 7:37 pm Operator: UA
Sample : KQ2017246-02DMS Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 11:24:27 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(1) Dalapon (m)

3.122min 68.473 ppb

response 1661060

(1) Dalapon #2 (m)

2.875min 97.742 ppb m

response 4722172

Manual Integration:

After

Baseline/Shoulder

11/16/20

(+) = Expected Retention Time

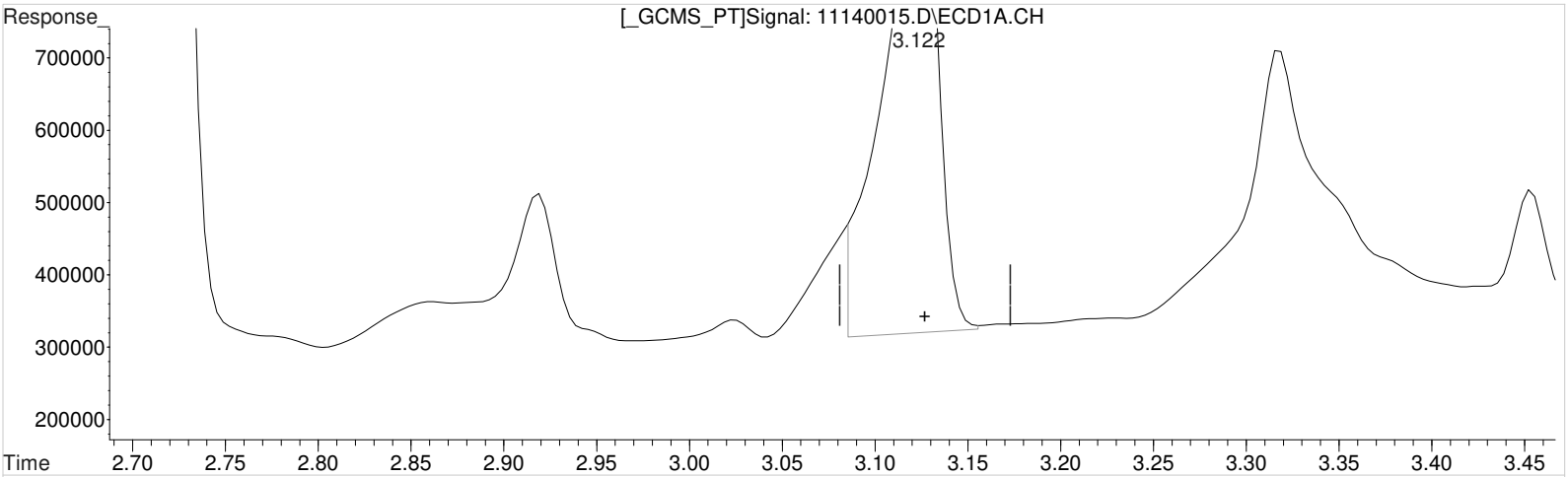
Quantitation Report (Qedit)

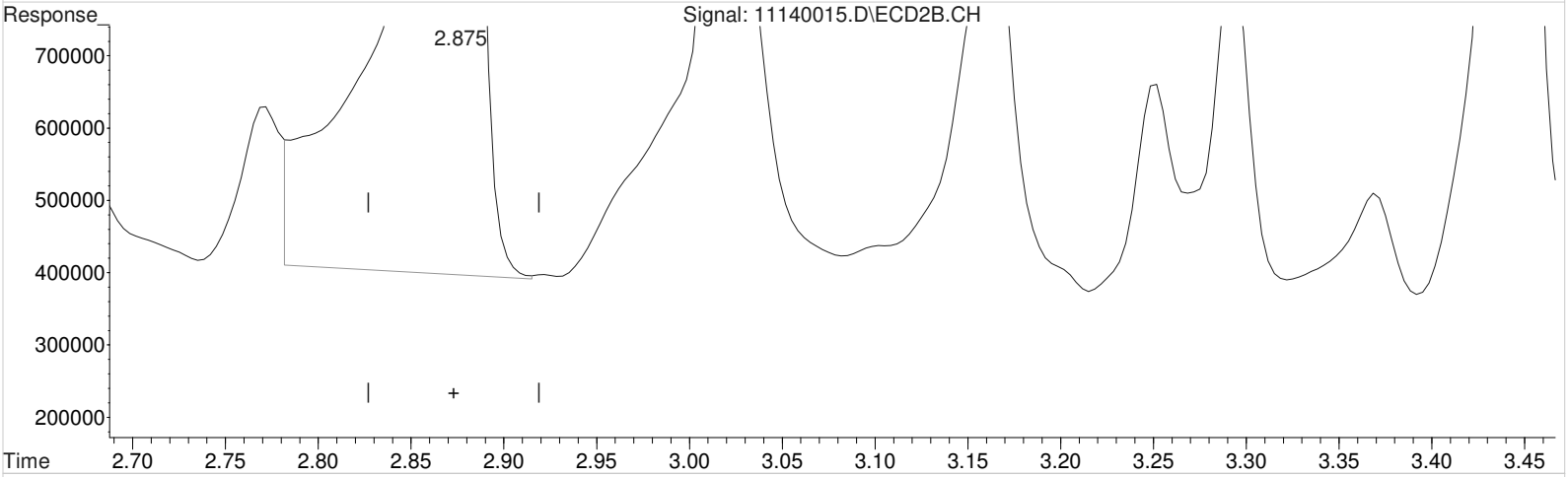
1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140015.D Vial: 13
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 7:37 pm Operator: UA
Sample : KQ2017246-02DMS Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 11:24:27 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(1) Dalapon (m)

3.122min 59.303 ppb m

response 1438591

(1) Dalapon #2 (m)

2.875min 97.742 ppb m

response 4722172

Manual Integration:

After

Baseline/Shoulder

11/16/20

(+) = Expected Retention Time

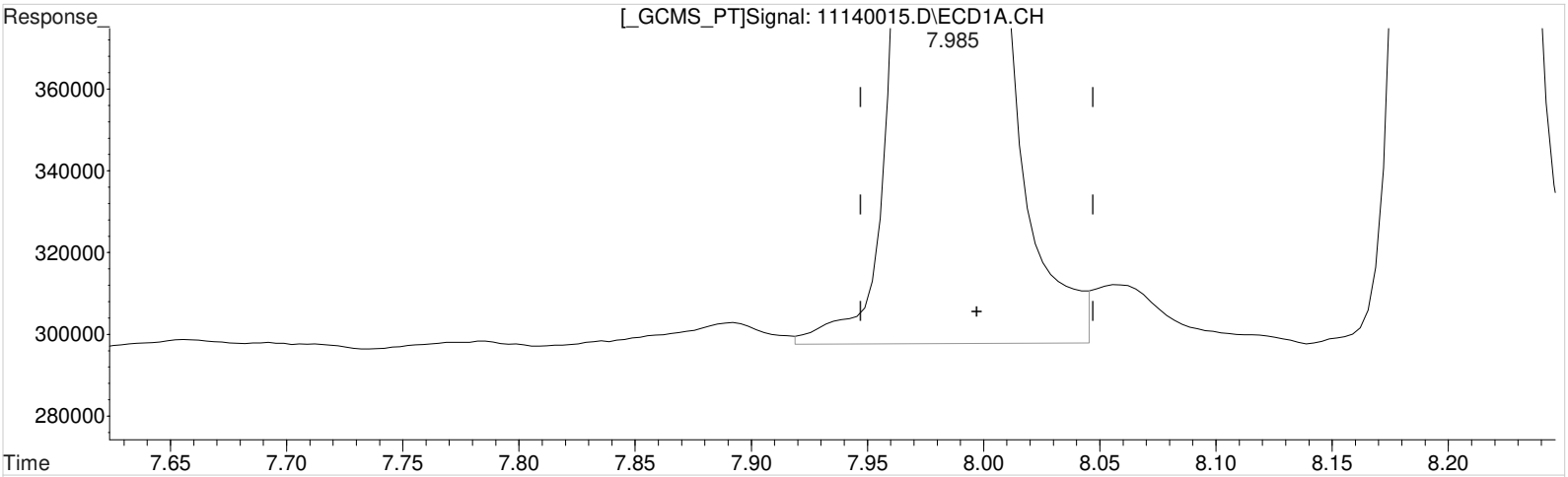
Quantitation Report (Qedit)

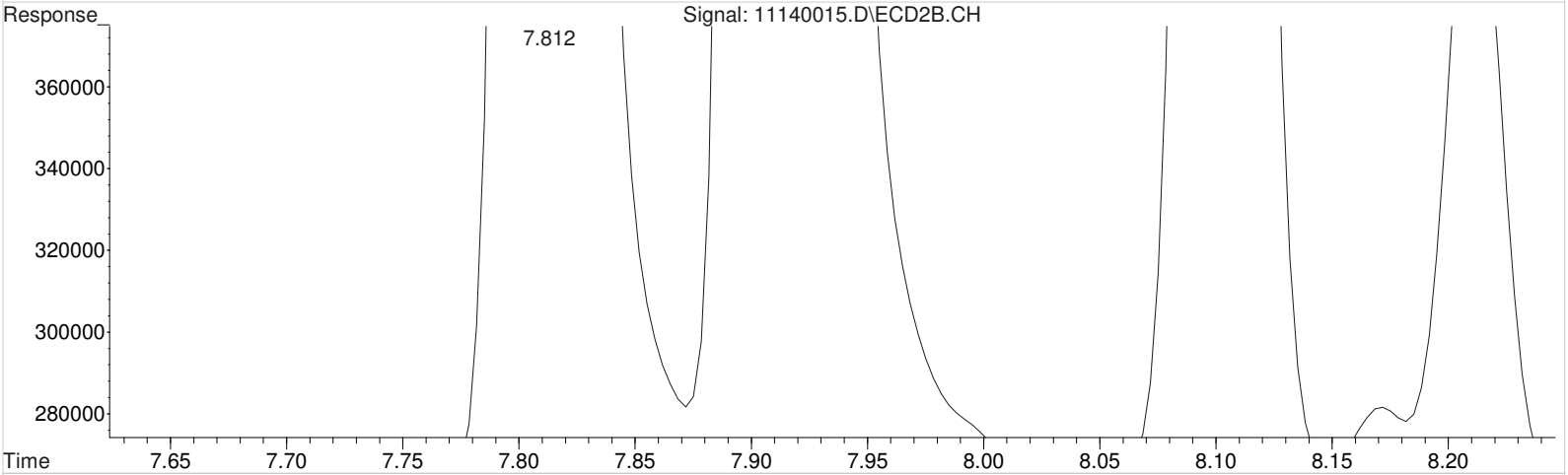
1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140015.D Vial: 13
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 7:37 pm Operator: UA
Sample : KQ2017246-02DMS Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 11:24:27 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(2) 2,4-Dichlorophenylacetic Acid (s)

7.985min 76.241 ppb

response 1387335

Manual Integration:

Before

11/16/20

(2) 2,4-Dichlorophenylacetic Acid #2 (s)

7.812min 81.629 ppb

response 3452737

(+) = Expected Retention Time

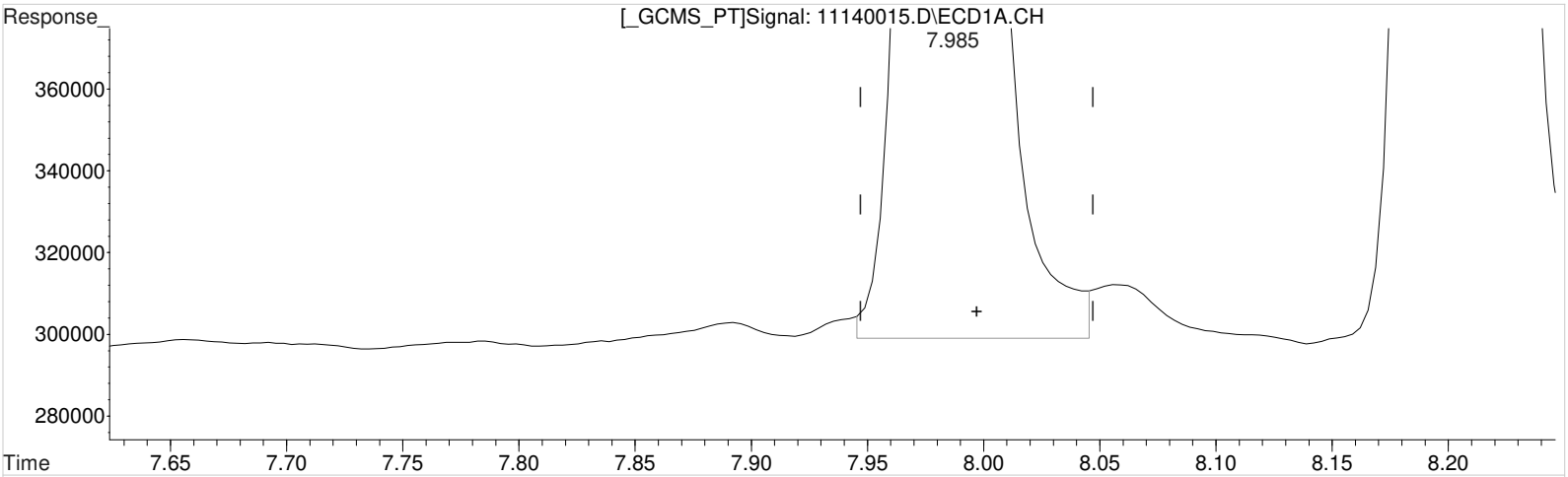
Quantitation Report (Qedit)

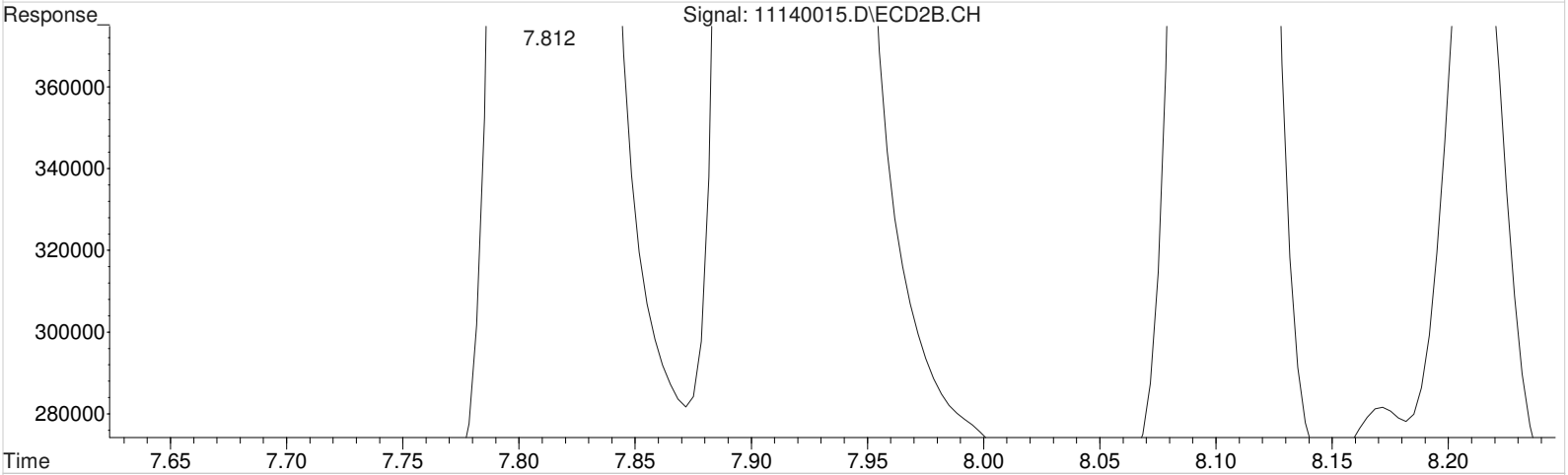
1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140015.D Vial: 13
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 7:37 pm Operator: UA
Sample : KQ2017246-02DMS Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 11:24:27 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(2) 2,4-Dichlorophenylacetic Acid (s)

7.985min 75.396 ppb m

response 1371955

Manual Integration:

After

Baseline/Shoulder

11/16/20

(2) 2,4-Dichlorophenylacetic Acid #2 (s)

7.812min 81.629 ppb

response 3452737

(+) = Expected Retention Time

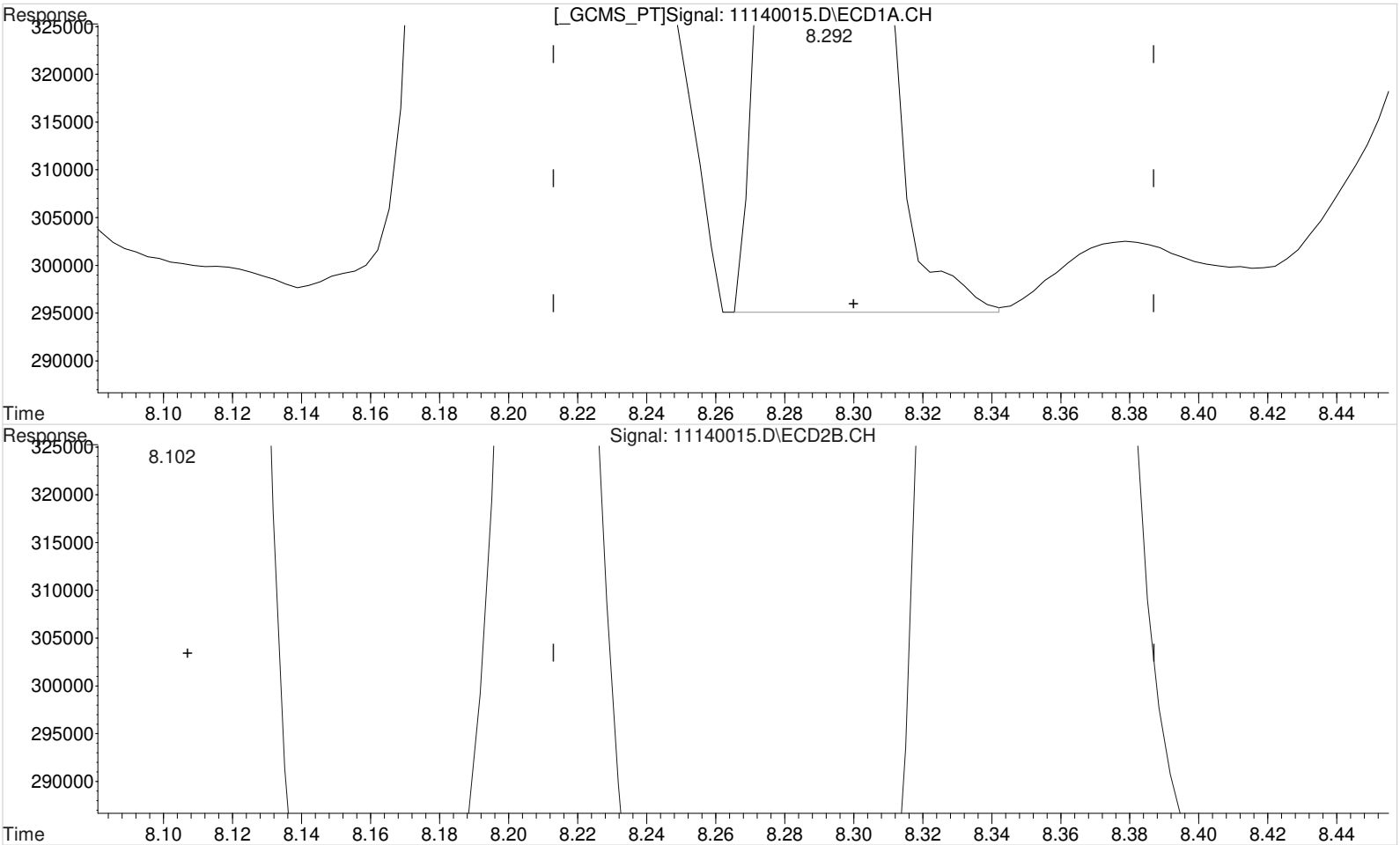
Quantitation Report (Qedit)

1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140015.D Vial: 13
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 7:37 pm Operator: UA
Sample : KQ2017246-02DMS Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 11:24:27 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm



QEdit

(4) MCPP (m)

8.292min 8313.221 ppb

response 362674

Manual Integration:

Before

11/16/20

(4) MCPP #2 (m)

8.102min 9017.844 ppb

response 1510059

(+) = Expected Retention Time

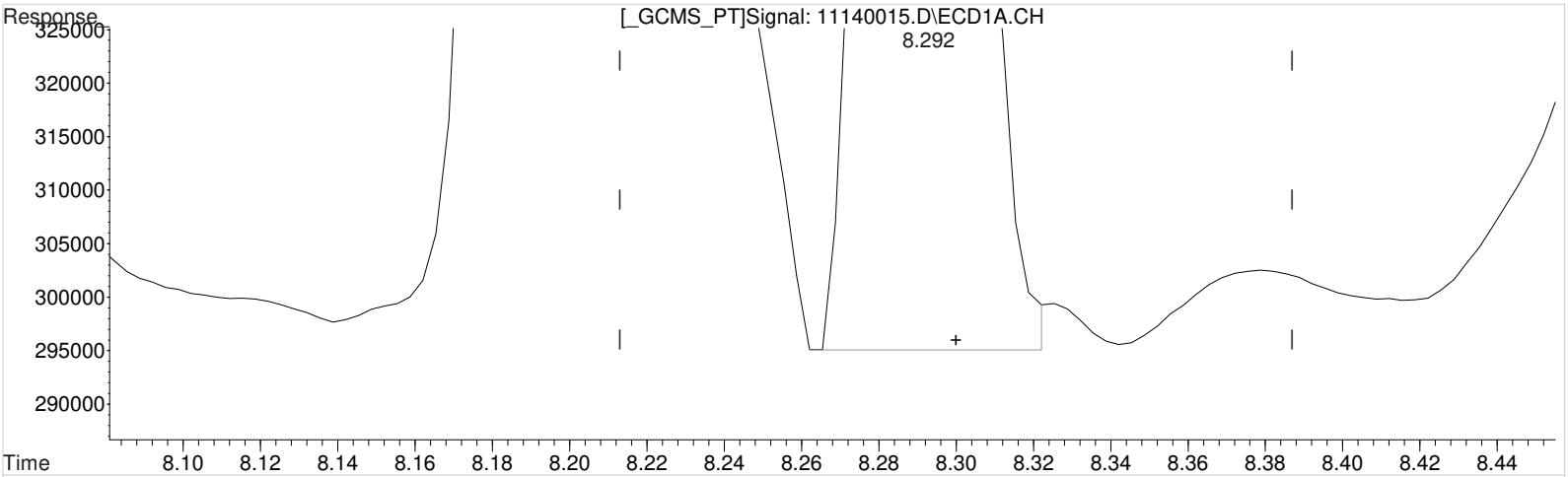
Quantitation Report (Qedit)

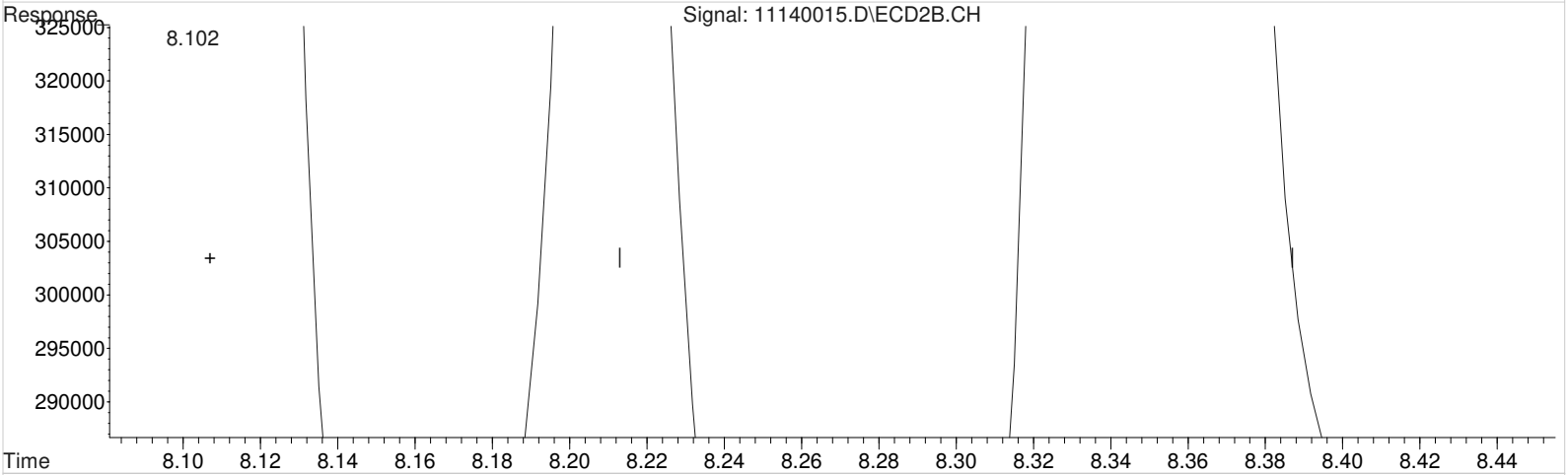
1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140015.D Vial: 13
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 7:37 pm Operator: UA
Sample : KQ2017246-02DMS Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 11:24:27 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(4) MCPP (m)

8.292min 8255.636 ppb m

response 359998

Manual Integration:

After

Baseline/Shoulder

11/16/20

(4) MCPP #2 (m)

8.102min 9017.844 ppb

response 1510059

(+) = Expected Retention Time

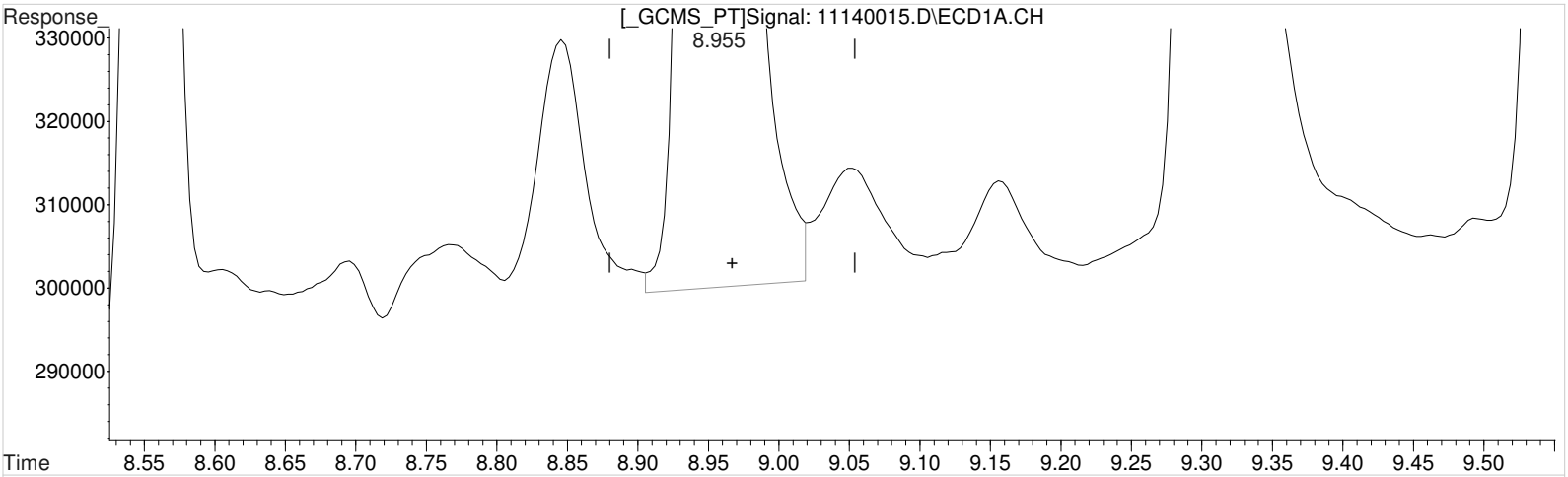
Quantitation Report (Qedit)

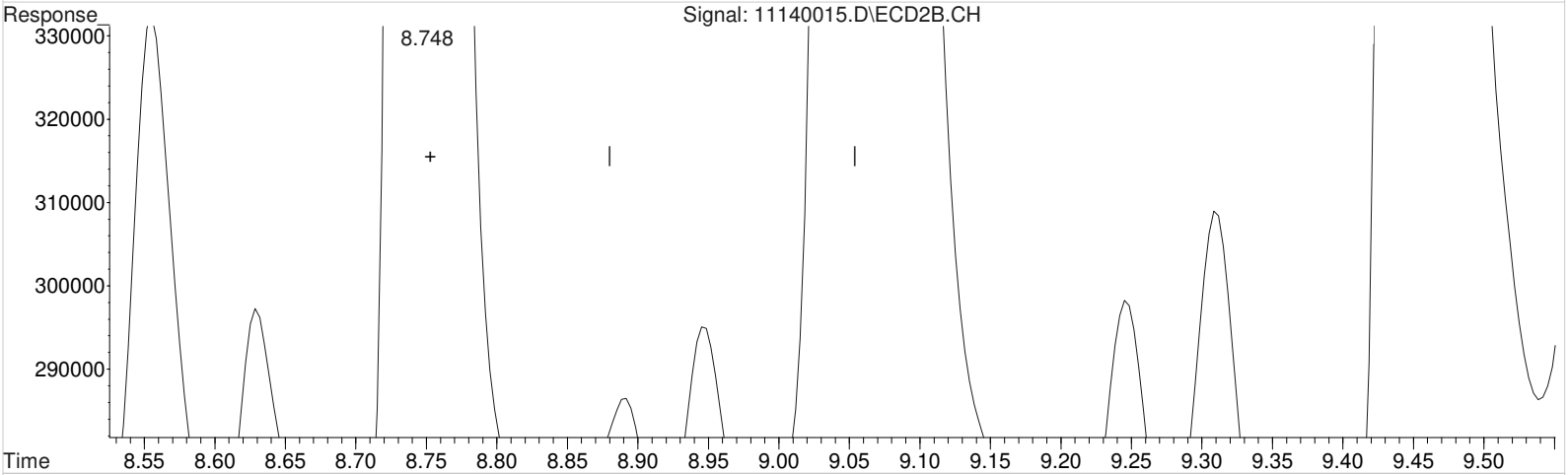
1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140015.D Vial: 13
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 7:37 pm Operator: UA
Sample : KQ2017246-02DMS Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 11:24:27 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(6) Dichloroprop (m)

8.955min 74.477 ppb

response 1388832

Manual Integration:

Before

11/16/20

(6) Dichloroprop #2 (m)

8.748min 76.298 ppb

response 3182791

(+) = Expected Retention Time

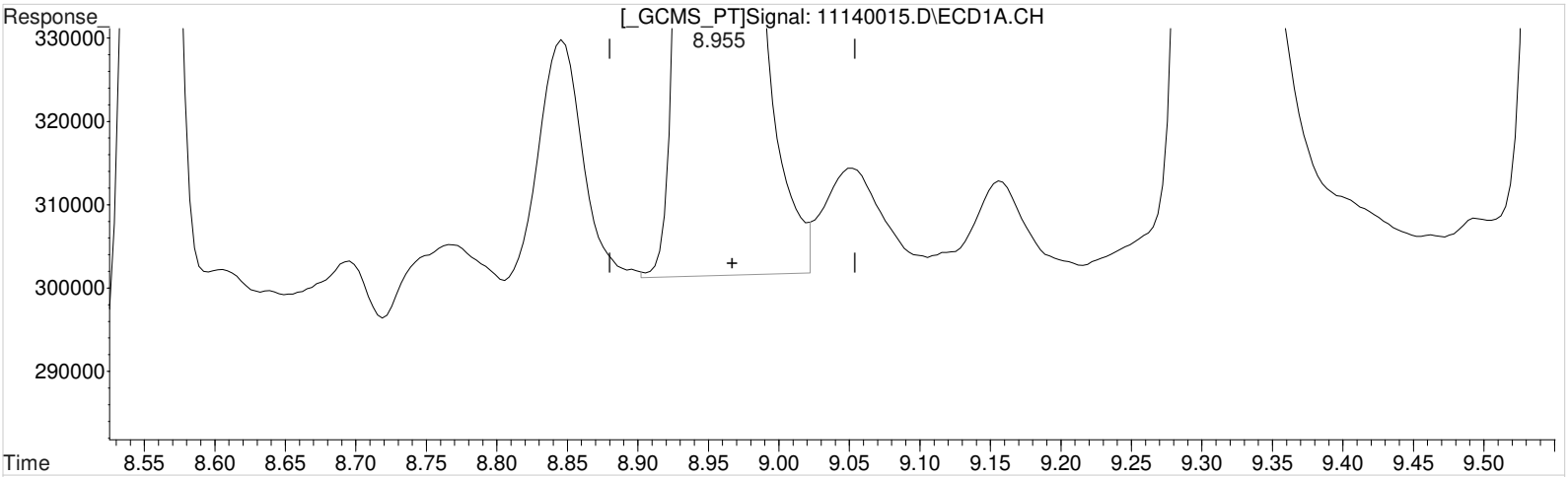
Quantitation Report (Qedit)

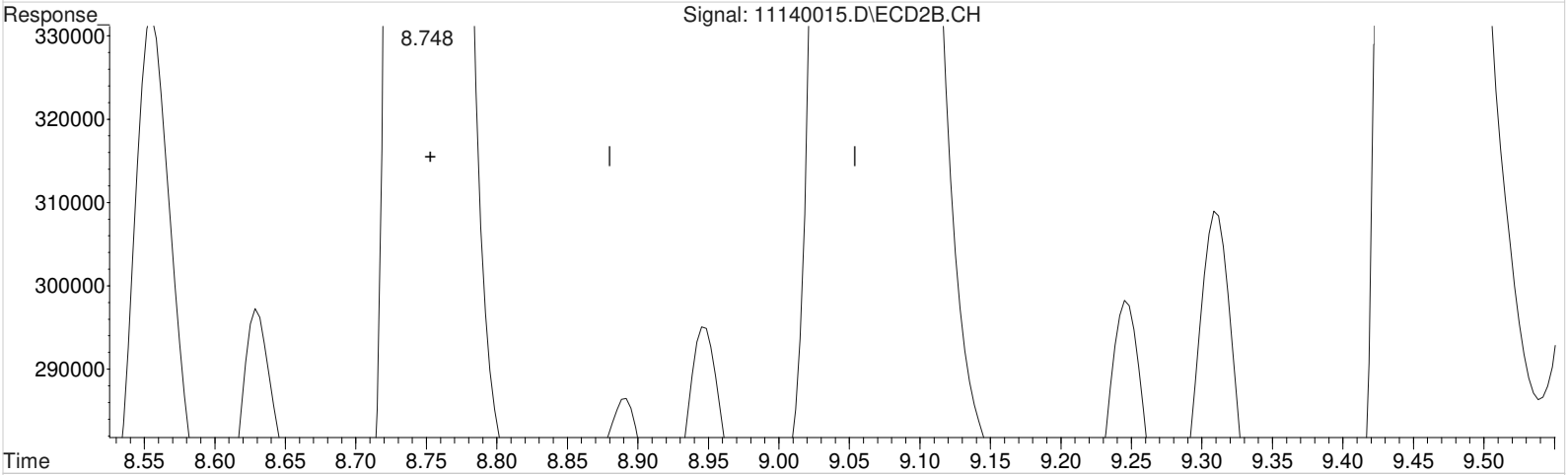
1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140015.D Vial: 13
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 7:37 pm Operator: UA
Sample : KQ2017246-02DMS Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 11:24:27 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(6) Dichloroprop (m)

8.955min 74.055 ppb m

response 1380955

Manual Integration:

After

Baseline/Shoulder

11/16/20

(6) Dichloroprop #2 (m)

8.748min 76.298 ppb

response 3182791

(+) = Expected Retention Time

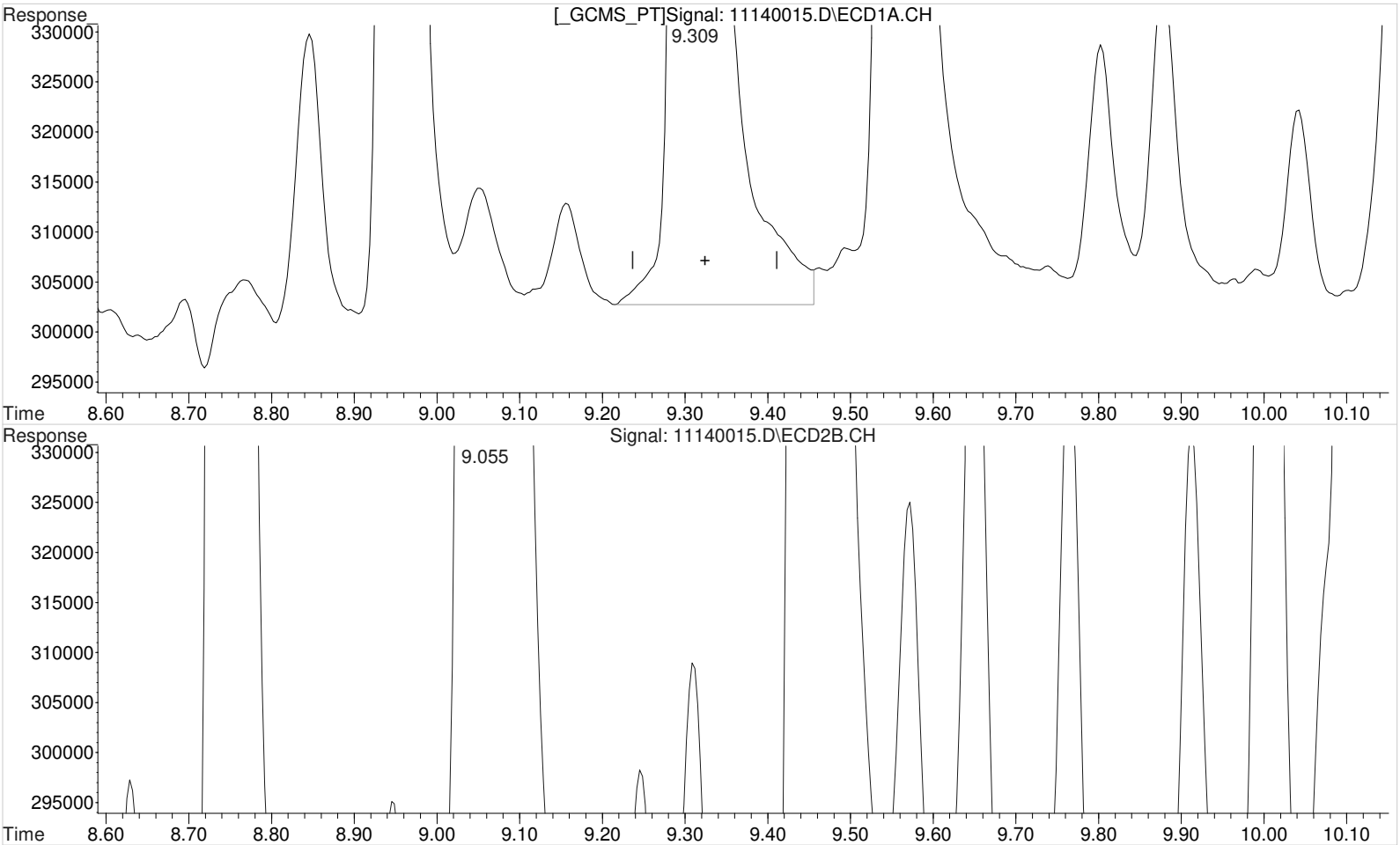
Quantitation Report (Qedit)

1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140015.D Vial: 13
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 7:37 pm Operator: UA
Sample : KQ2017246-02DMS Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 11:24:27 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm



QEdit

(7) 2,4-D (m)

9.309min 74.858 ppb

response 1590000

(7) 2,4-D #2 (m)

9.055min 80.753 ppb

response 4134427

Manual Integration:

Before

11/16/20

(+) = Expected Retention Time

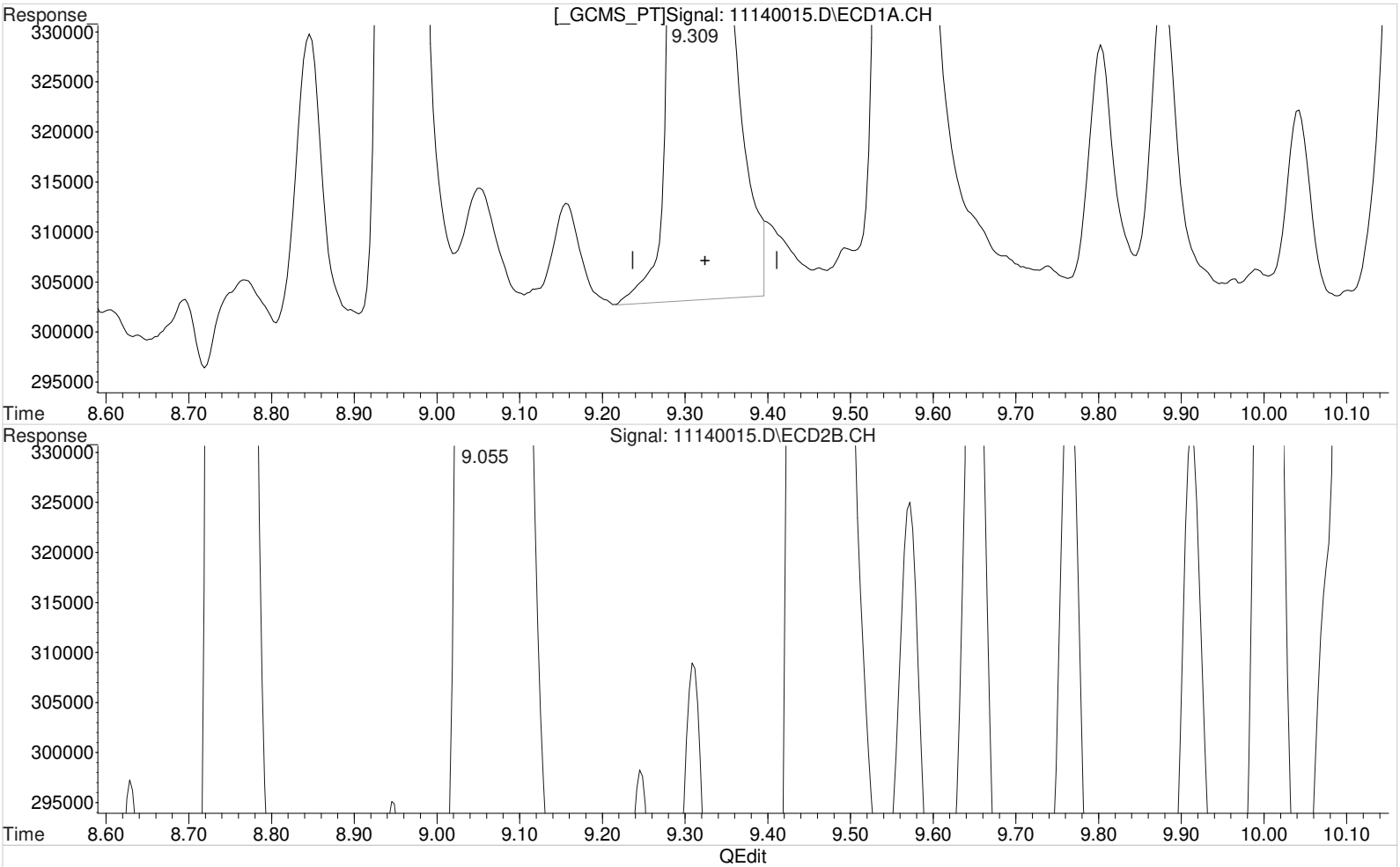
Quantitation Report (Qedit)

1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140015.D Vial: 13
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 7:37 pm Operator: UA
Sample : KQ2017246-02DMS Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 11:24:27 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm



QEdit

(7) 2,4-D (m)

9.309min 73.689 ppb m

response 1565156

(7) 2,4-D #2 (m)

9.055min 80.753 ppb

response 4134427

Manual Integration:

After

Baseline/Shoulder

11/16/20

(+) = Expected Retention Time

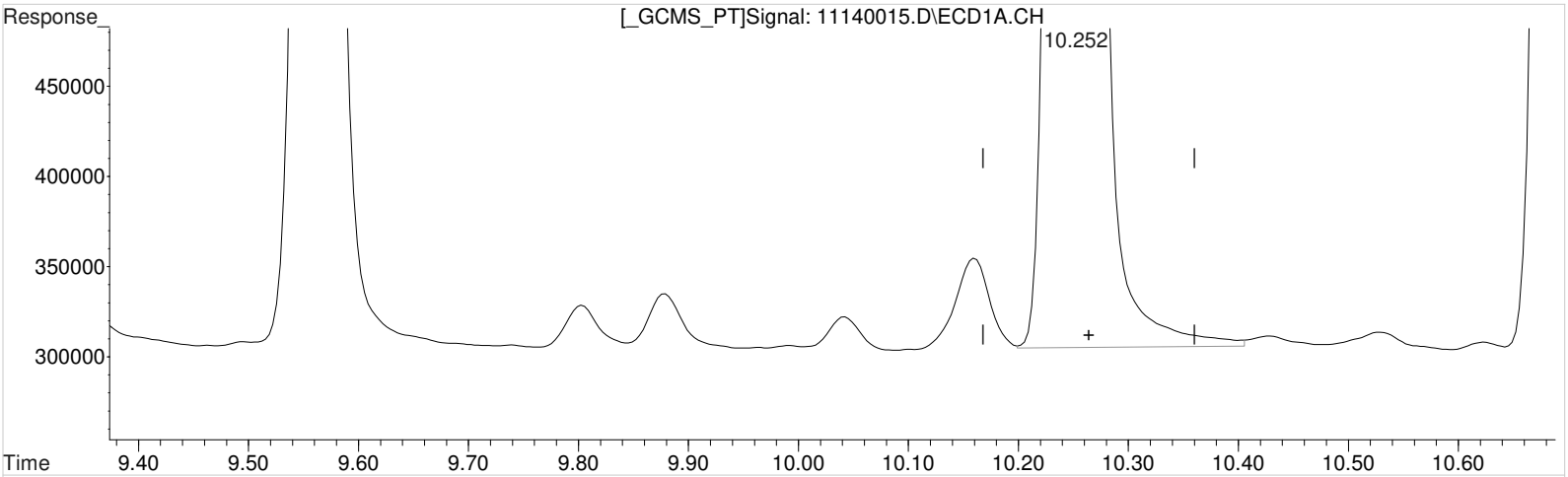
Quantitation Report (Qedit)

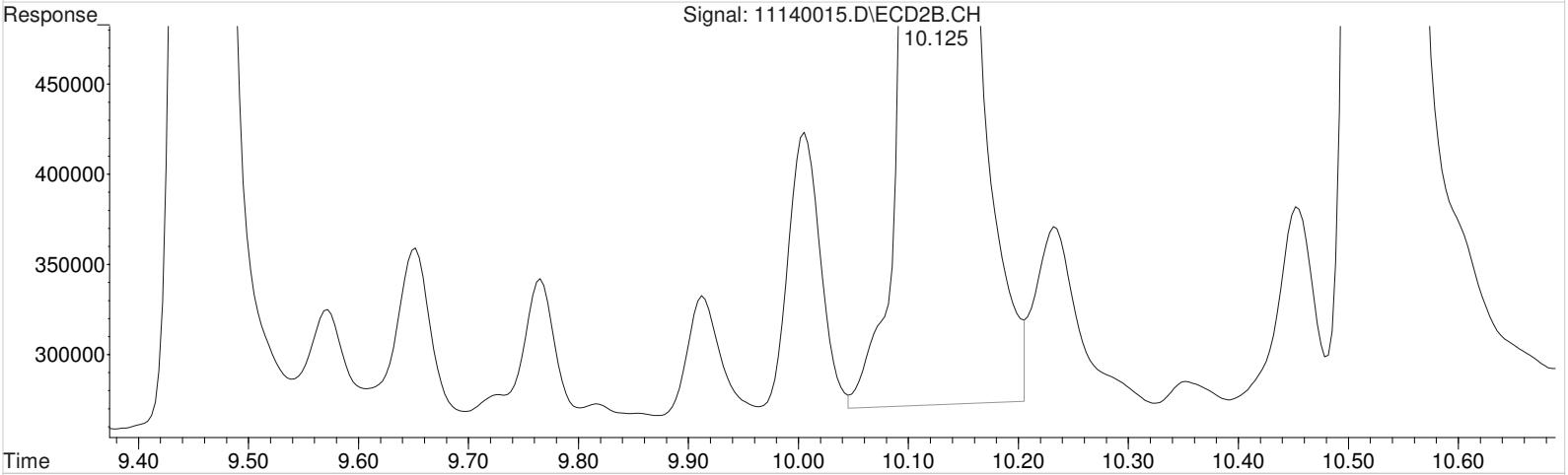
1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140015.D Vial: 13
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 7:37 pm Operator: UA
Sample : KQ2017246-02DMS Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 11:24:27 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(8) 2,4,5-TP (Silvex) (m)

10.252min 74.682 ppb

response 6996269

Manual Integration:

Before

11/16/20

(8) 2,4,5-TP (Silvex) #2 (m)

10.125min 85.978 ppb

response 17453360

(+) = Expected Retention Time

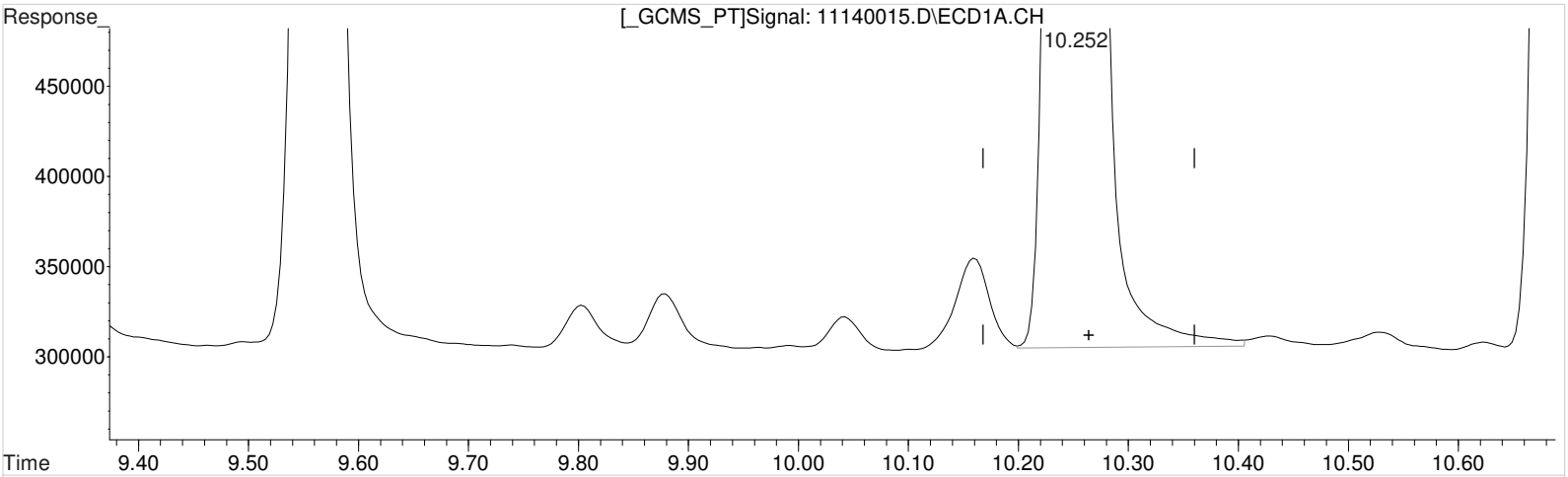
Quantitation Report (Qedit)

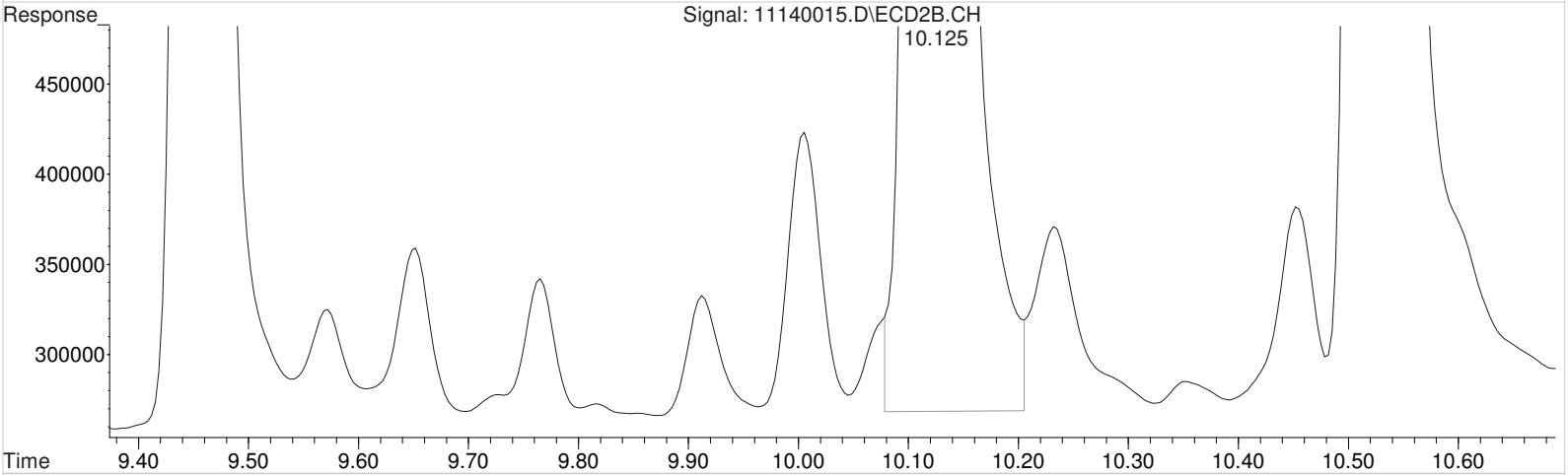
1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140015.D Vial: 13
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 7:37 pm Operator: UA
Sample : KQ2017246-02DMS Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 11:24:27 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(8) 2,4,5-TP (Silvex) (m)

10.252min 74.682 ppb

response 6996269

Manual Integration:

After

Baseline/Shoulder

11/16/20

(8) 2,4,5-TP (Silvex) #2 (m)

10.125min 85.830 ppb m

response 17423362

(+) = Expected Retention Time

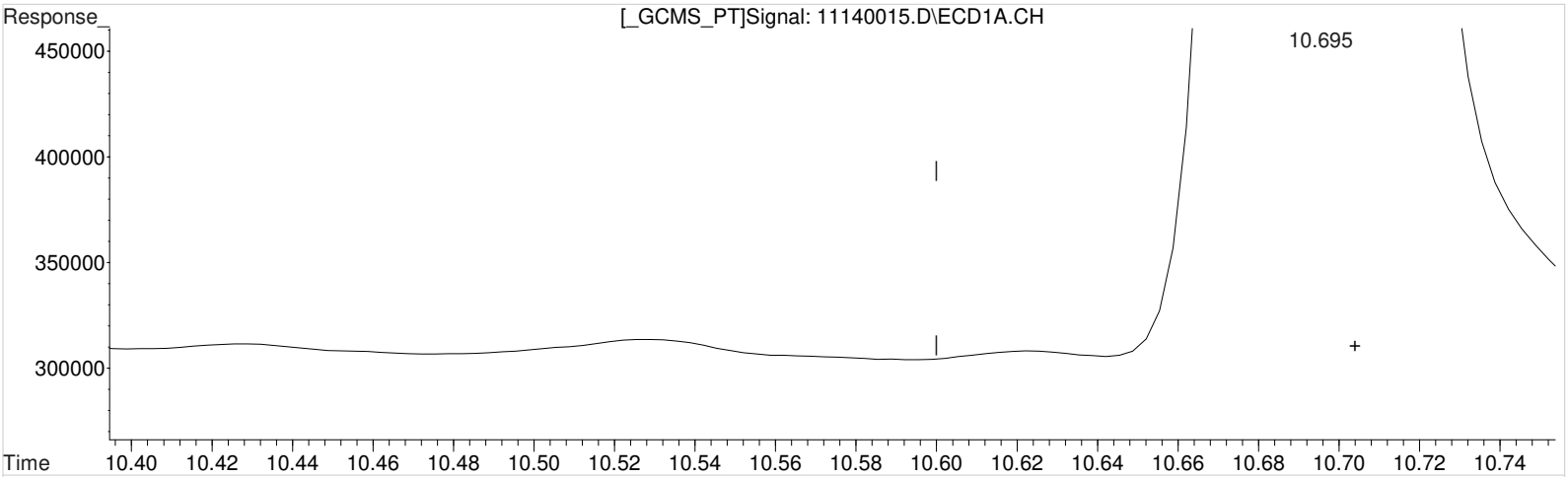
Quantitation Report (Qedit)

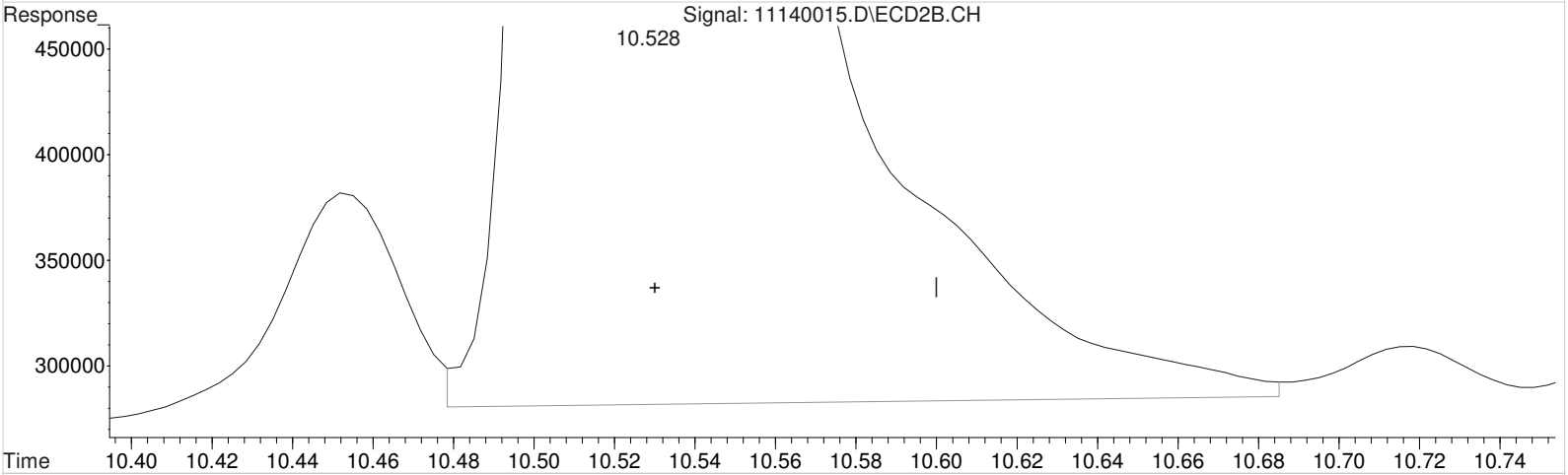
1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140015.D Vial: 13
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 7:37 pm Operator: UA
Sample : KQ2017246-02DMS Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 11:24:27 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(9) 2,4,5-T (m)

10.695min 72.520 ppb

response 5983604

(9) 2,4,5-T #2 (m)

10.528min 85.846 ppb

response 16428091

Manual Integration:

Before

11/16/20

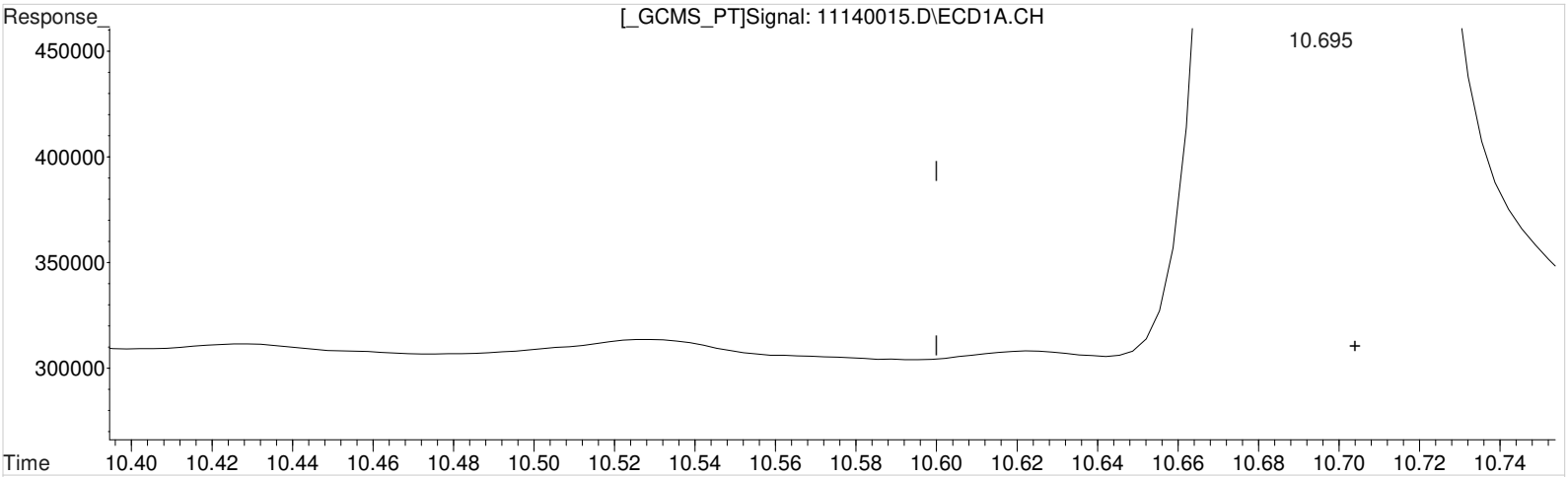
(+) = Expected Retention Time

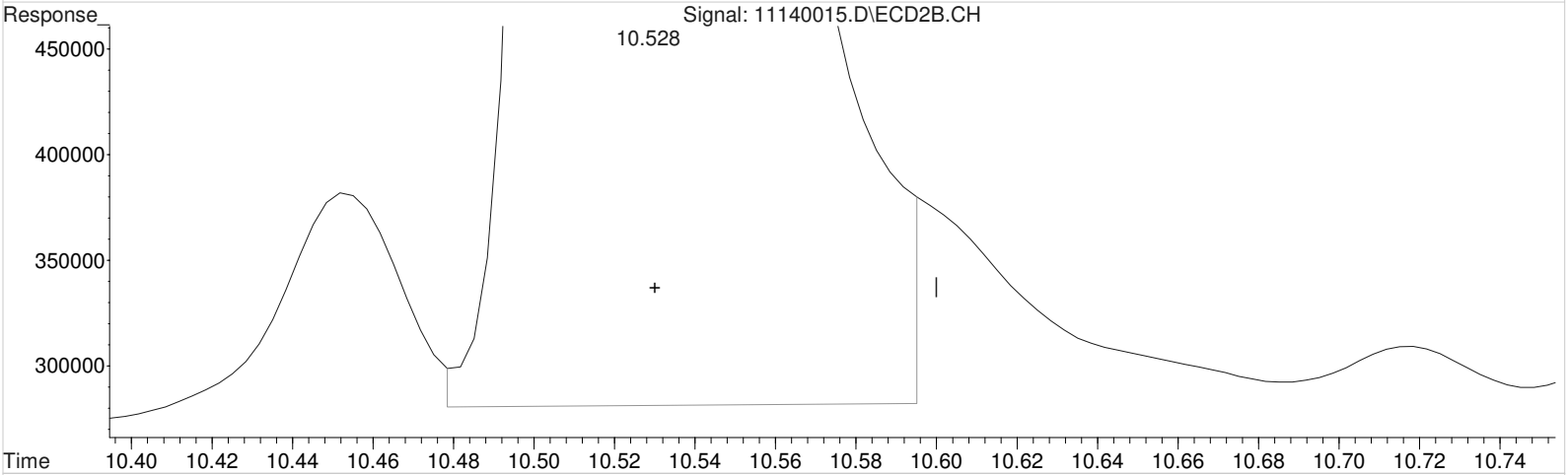
1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140015.D Vial: 13
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 7:37 pm Operator: UA
Sample : KQ2017246-02DMS Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 11:24:27 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(9) 2,4,5-T (m)

10.695min 72.520 ppb

response 5983604

(9) 2,4,5-T #2 (m)

10.528min 84.871 ppb m

response 16241496

Manual Integration:

After

Baseline/Shoulder

11/16/20

(+) = Expected Retention Time

1st 11/16/20
2nd UA 11/17/20

Validation Report

Data File: J:\gc24\data\111420\11140004.D\
Lab ID: KQ2018066-02
RunType: CCB
Matrix: Sediment

Date Acquired: 11/14/20 15:24:00
Batch ID: 703599
Analysis Method: 8151A/HERB

Validations

Validation Categories	Pass	Fail
ICAL Analyte Recovery	X	
Second Source ICAL Verification	X	
Continuing Calibration Recovery		X
Continuing Calibration Recovery (Closing)		X
Surrogates	X	
Above Highest ICAL Level	X	
Analyte Coelutions	X	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
Continuing Calibration Recovery - ZB-XLB-HT	MCPA	23		20	CCV+ND
	MCPP	24		20	
Continuing Calibration Recovery (Closing) - ZB-XLB-HT	2,4,5-TP (Silvex)	23		20	
	MCPA	26		20	
	MCPP	25		20	

Primary Review: _____

Secondary Review: _____

1st 11/16/20
2nd UA 11/17/20

Quantitation Report

Data File:	J:\gc24\data\111420\11140004.D\	**Instrument:**	K-GC-24
Acqu Date:	11/14/20 15:24:00	**Vial:**	2
Run Type:	CCB	**Dilution:**	1
Lab ID:	KQ2018066-02	**Raw Units:**	ppb

Bottle ID:		**Tier:**	IV	**Matrix:**	Sediment
Prod Code:	HERB	**Collect Date:**	10/28/20	**Receive Date:**	11/3/20

Analysis Lot:	703599	**Prep Lot:**		**Report Group:**	KQ2018066
Analysis	8151A	**Prep Method:**			
		Prep Date:			

Title:	Chlorinated Herbicides by GC	**Calibration ID:**	KC2000566
		Report List ID:	18726

Surrogate Compounds

Parameter Name	RT 1	RT 2	Resp 1	Resp 2	Solution Conc 1	Solution Conc 2	% Rec 1	% Rec 2	% Rec	% Rec Criteria	Rpt?
2,4-Dichlorophenylacetic Acid	8.00	7.83 +0.01	11986	32272	0.659	0.763				26 - 127	Y

Target Compounds

Final Conc.Units: ug/Kg

Parameter Name	RT 1	RT 2	Resp 1	Resp 2	Solution Conc 1	Solution Conc 2	Final Conc 1	Final Conc 2	Primary Conc	Rpt?
2,4,5-T	10.71	10.54	7464	45856	0.090	0.240	0.15U	0.40U	4.0 U	Y
2,4,5-TP (Silvex)	10.26	10.09 -0.05	7712	503503	0.082	2.480 CCV	0.14U	4.1J	2.4 U	Y
2,4-D	9.34 +0.02	9.05 -0.02	5948	6614	0.280	0.129	0.47U	0.22U	7.7 U	Y
2,4-DB	11.33 +0.04	11.19 +0.01	2319	7873	0.226	0.271	0.38U	0.45U	5.4 U	Y
Dalapon	3.14 +0.01	2.91 +0.03	3792	9969	0.156	0.206	0.26U	0.34U	5.5 U	Y
Dicamba	8.21 -0.01	7.92 -0.01	6270	19447	0.090	0.131	0.15U	0.22U	4.3 U	Y
Dichlorprop	8.99 +0.02	8.76	10278	7920	0.551	0.190	0.92U	0.32U	3.4 U	Y
Dinoseb	11.68 -0.01	11.32 -0.01	7627	24629	0.123	0.180	0.21U	0.30U	2.7 U	Y
MCPA	8.63 +0.06	0.00	2179	7098	37.214	0.000 CCV	62U	0U	320 U	Y
MCPP	8.32 +0.02	0.00	1045	2822	531.264	0.000 CCV	890J	0U	460 U	Y

Prep Amount:	30.00 g	**Dilution:**	1
Prep Final Amount:	50.00 mL	**Basis Factor:**	100.00

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

Printed: 11/17/20 15:41
\\alprews001\starlims$\LIMSReps\QuantValidation.rpt

Quantitation Report (QT Reviewed)

1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140004.D Vial: 1
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 3:24 pm Operator: UA
Sample : IB Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 12:44:16 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm

		Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb	
		System Monitoring Compounds							
2)	s	2,4-Dichl...	8.002	7.829	11986	32272	0.659	0.763	
		Target Compounds							
1)	m	Dalapon	3.136	2.905f	3792	9969	0.156m	0.206m	#
3)	m	Dicamba	8.212	7.919	6270	19447	0.090	0.131	#
4)	m	MCPP	8.322	8.115	1045	2822	531.264m	N.D.	#
5)	m	MCPA	8.629f	8.362	2179	7098	37.214m	N.D.	#
6)	m	Dichloroprop	8.989	8.759	10278	7920	0.551	0.190	#
7)	m	2,4-D	9.336	9.045	5948	6614	0.280m	0.129	#
8)	m	2,4,5-TP ...	10.259	10.085	7712	503503	0.082	2.480	#
9)	m	2,4,5-T	10.709	10.542	7464	45856	0.090	0.240	#
10)	m	2,4-DB	11.329	11.189	2319	7873	0.226	0.271	
11)	m	Dinoseb	11.676	11.315	7627	24629	0.123	0.180	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

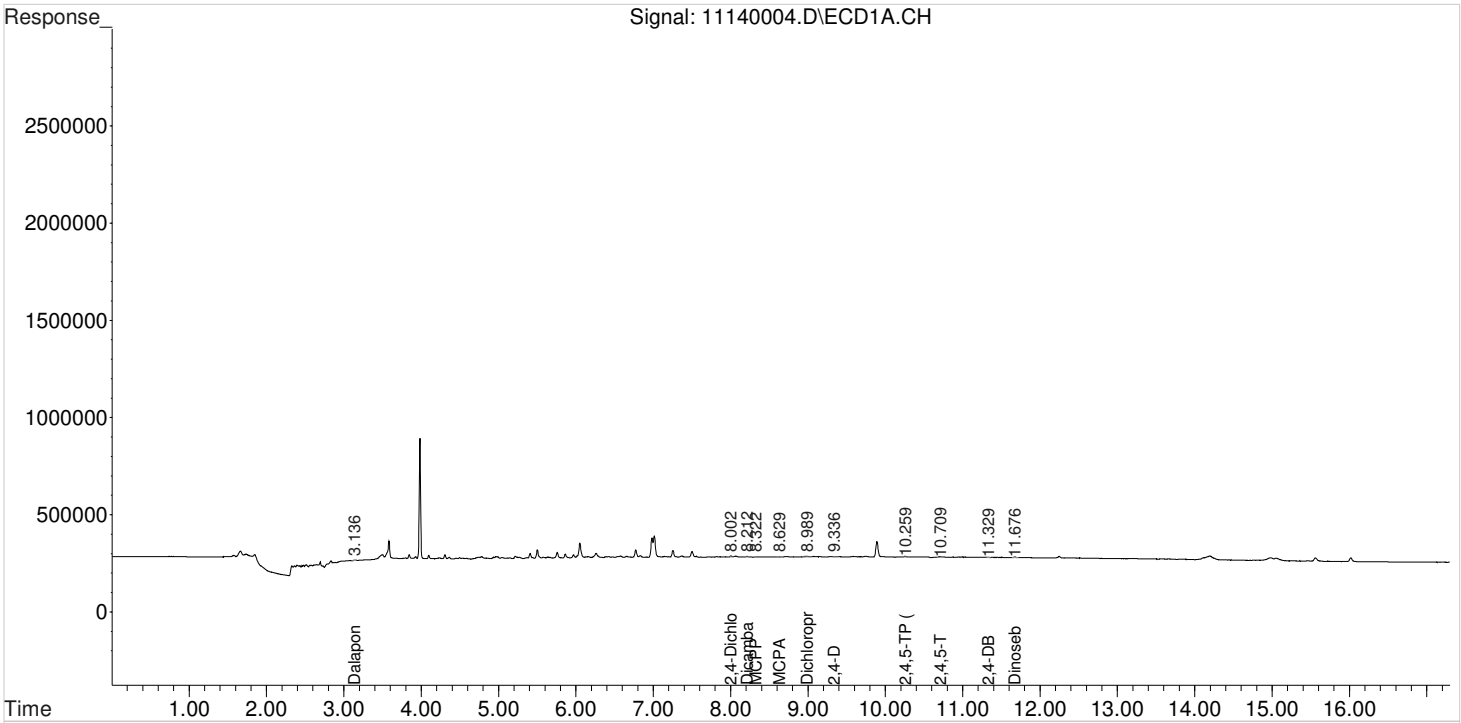
Quantitation Report (QT Reviewed)

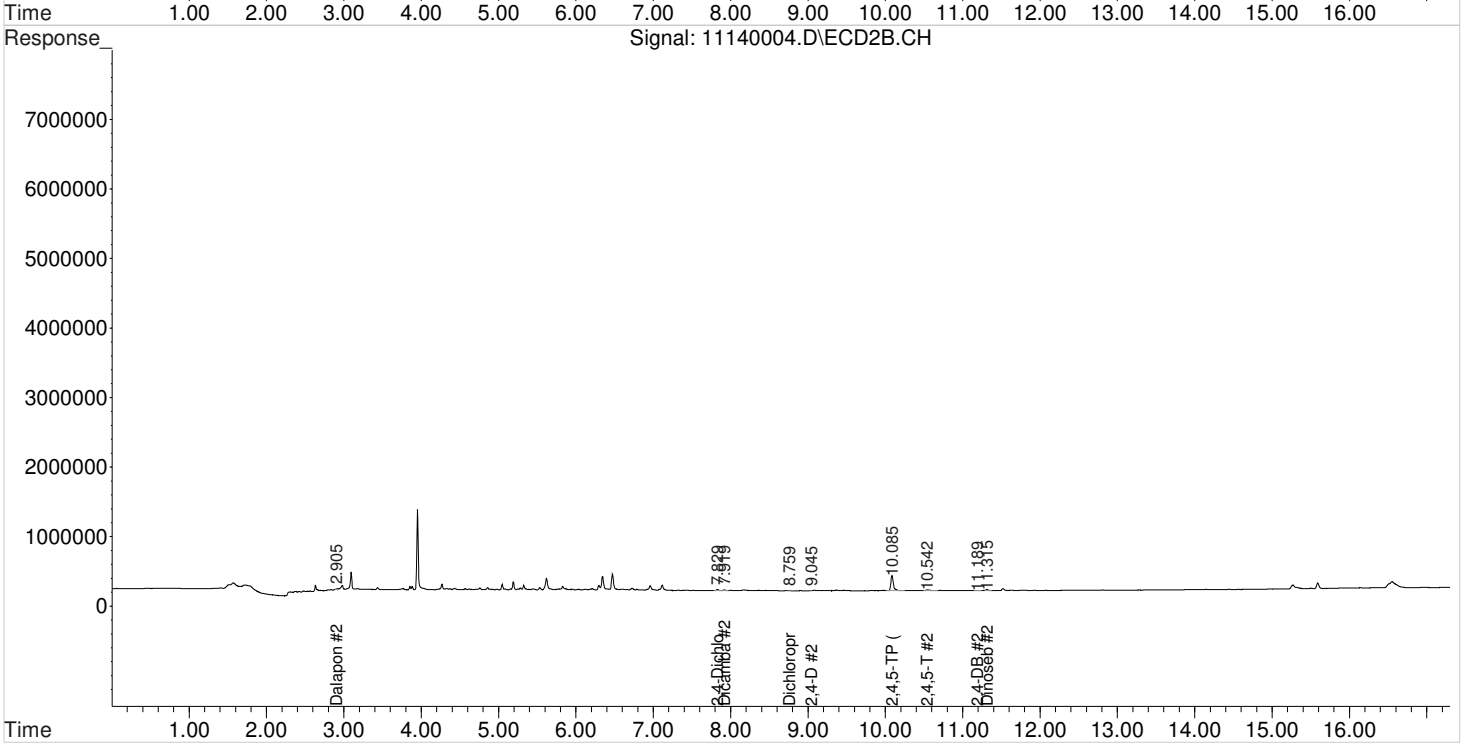
1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140004.D Vial: 1
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 3:24 pm Operator: UA
Sample : IB Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 12:44:16 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





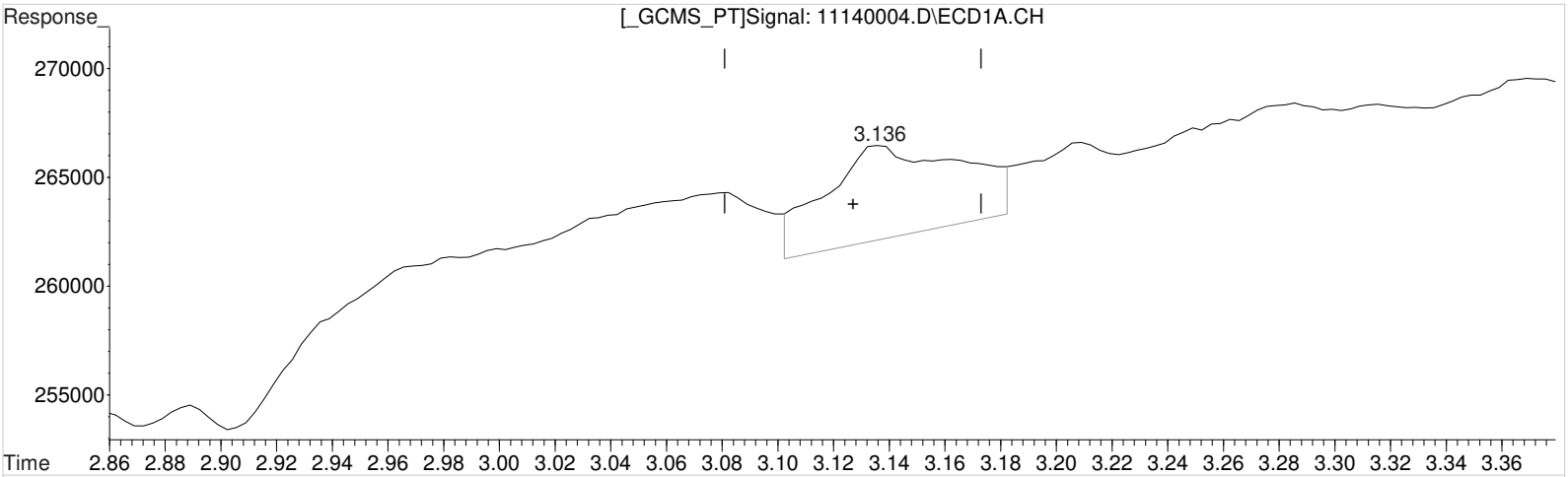
Quantitation Report (Qedit)

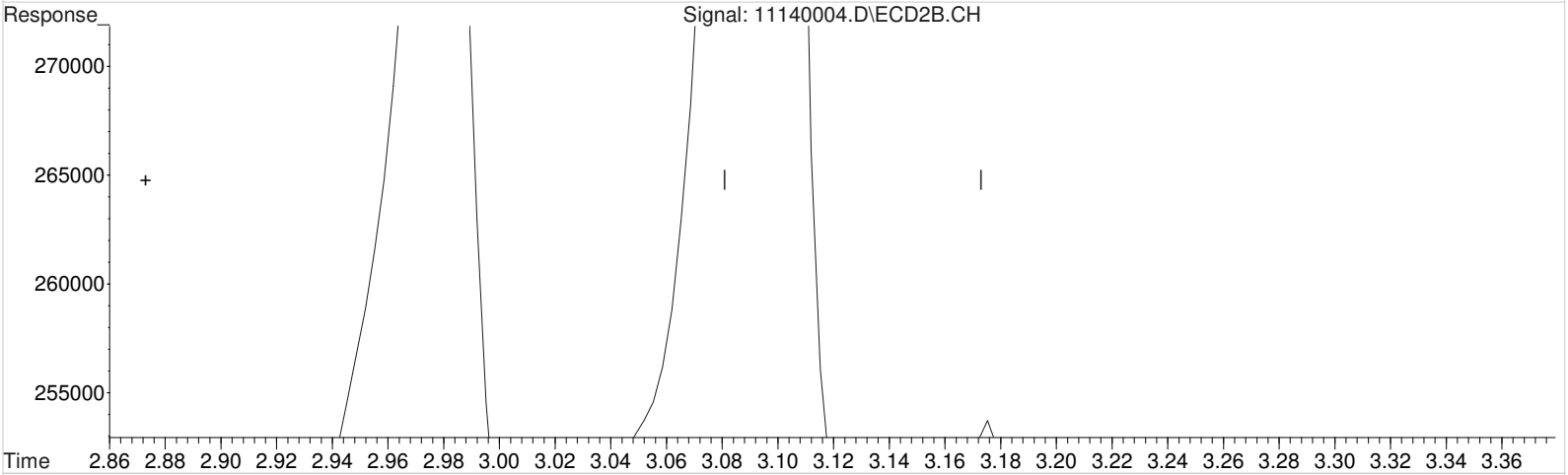
1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140004.D Vial: 1
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 3:24 pm Operator: UA
Sample : IB Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 11:23:54 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(1) Dalapon (m)

3.136min 0.610 ppb

response 14805

(1) Dalapon #2 (m)

2.905min 0.959 ppb

response 46315

Manual Integration:

Before

11/16/20

(+) = Expected Retention Time

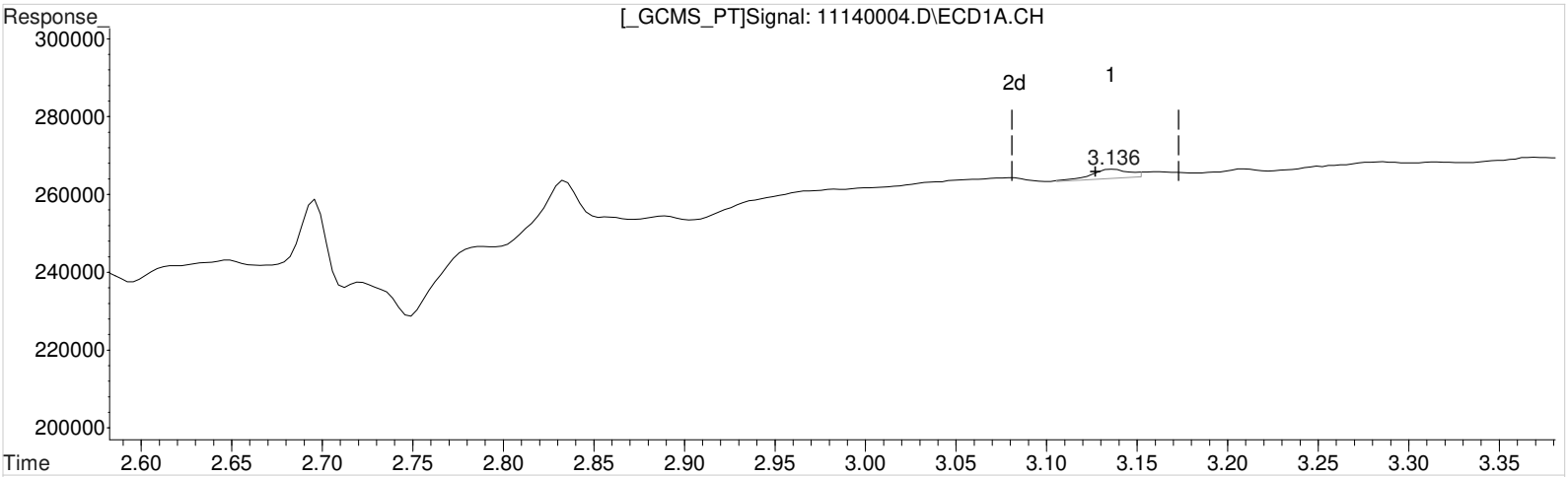
Quantitation Report (Qedit)

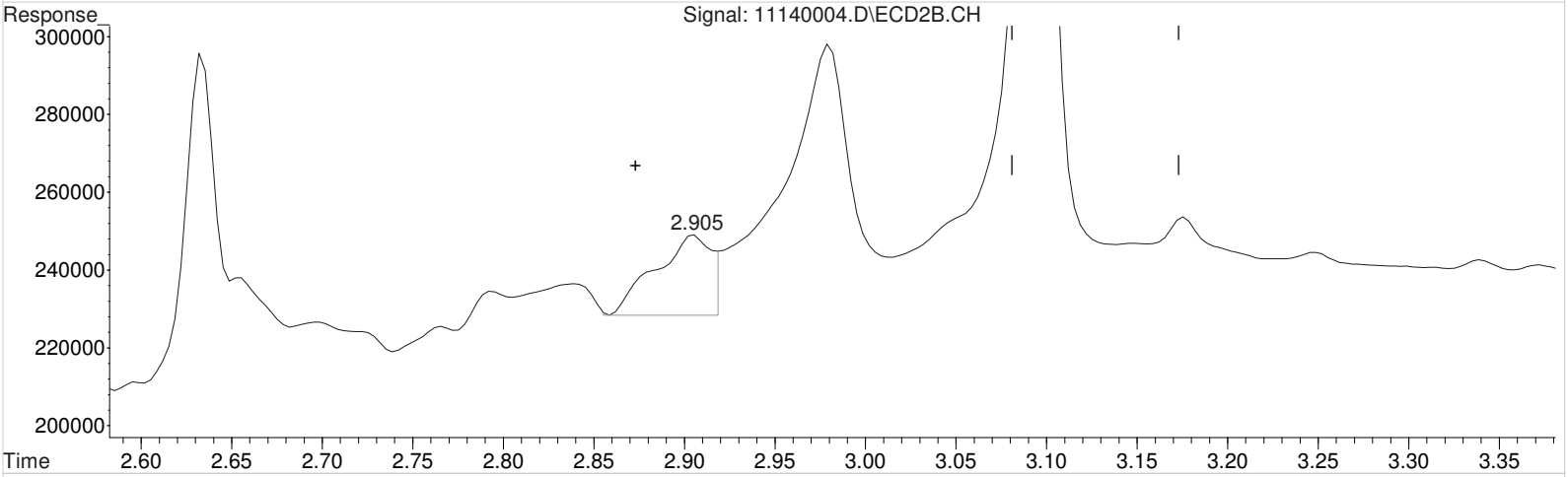
1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140004.D Vial: 1
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 3:24 pm Operator: UA
Sample : IB Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 11:23:54 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(1) Dalapon (m)

3.136min 0.156 ppb m

response 3792

(1) Dalapon #2 (m)

2.905min 0.959 ppb

response 46315

Manual Integration:

Before

11/16/20

(+) = Expected Retention Time

Quantitation Report (Qedit)

1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140004.D Vial: 1
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 3:24 pm Operator: UA
Sample : IB Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 11:23:54 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
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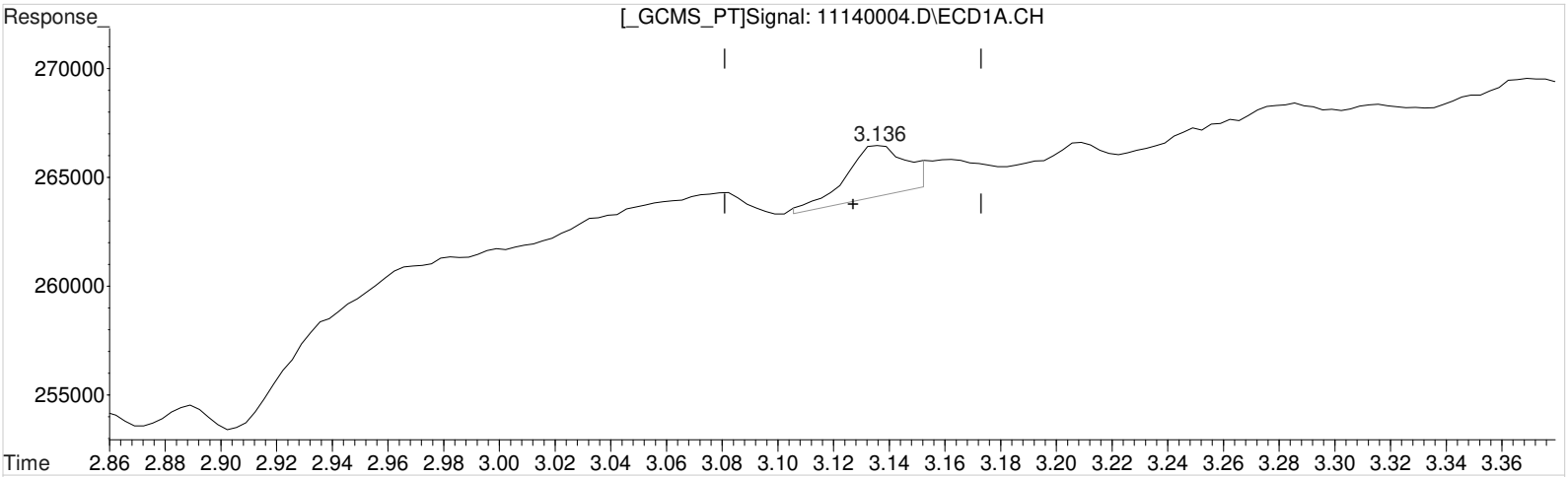
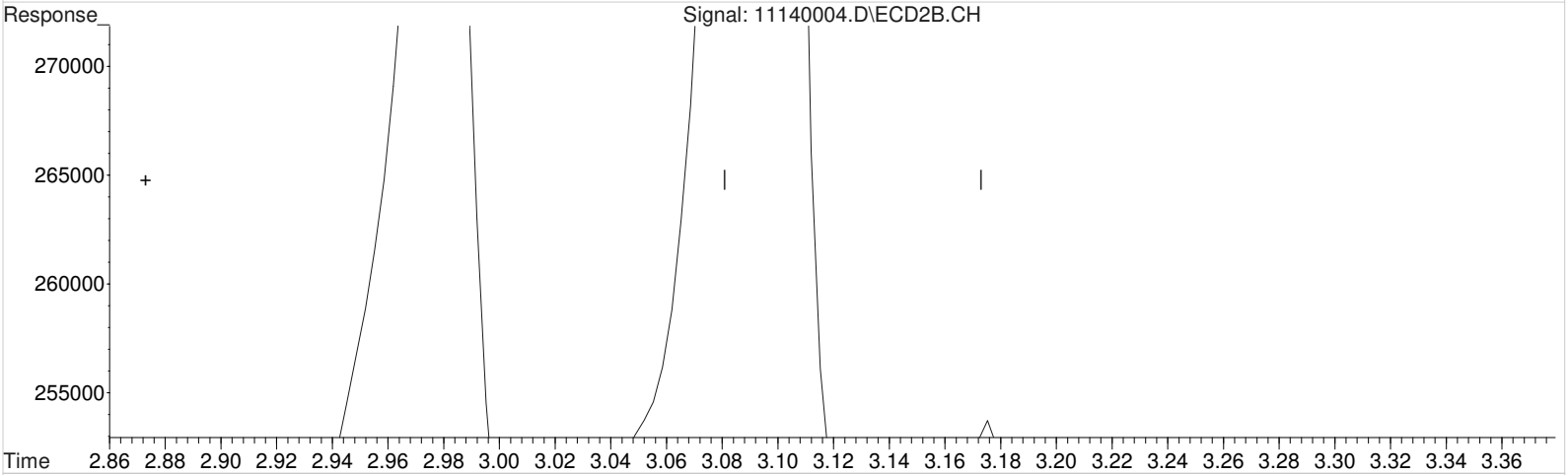
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(1) Dalapon (m)

3.136min 0.156 ppb m

response 3792

Manual Integration:

After

Baseline/Shoulder

11/16/20

(1) Dalapon #2 (m)

2.905min 0.959 ppb

response 46315

(+) = Expected Retention Time

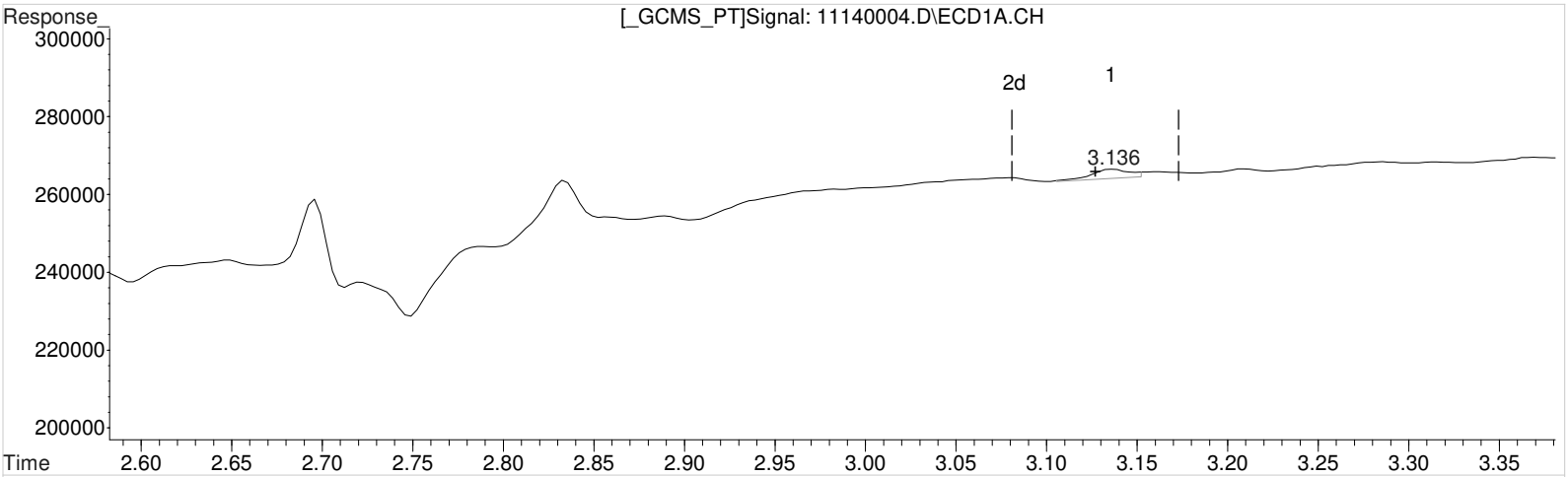
Quantitation Report (Qedit)

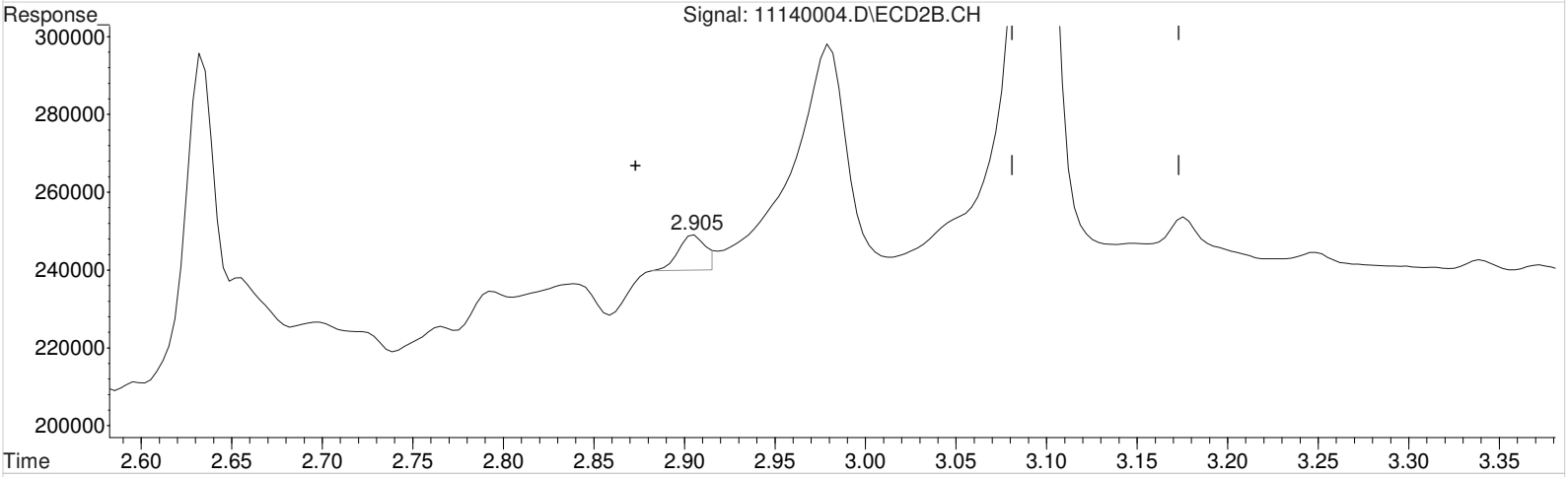
1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140004.D Vial: 1
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 3:24 pm Operator: UA
Sample : IB Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 11:23:54 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(1) Dalapon (m)

3.136min 0.156 ppb m

response 3792

Manual Integration:

After

Baseline/Shoulder

11/16/20

(1) Dalapon #2 (m)

2.905min 0.206 ppb m

response 9969

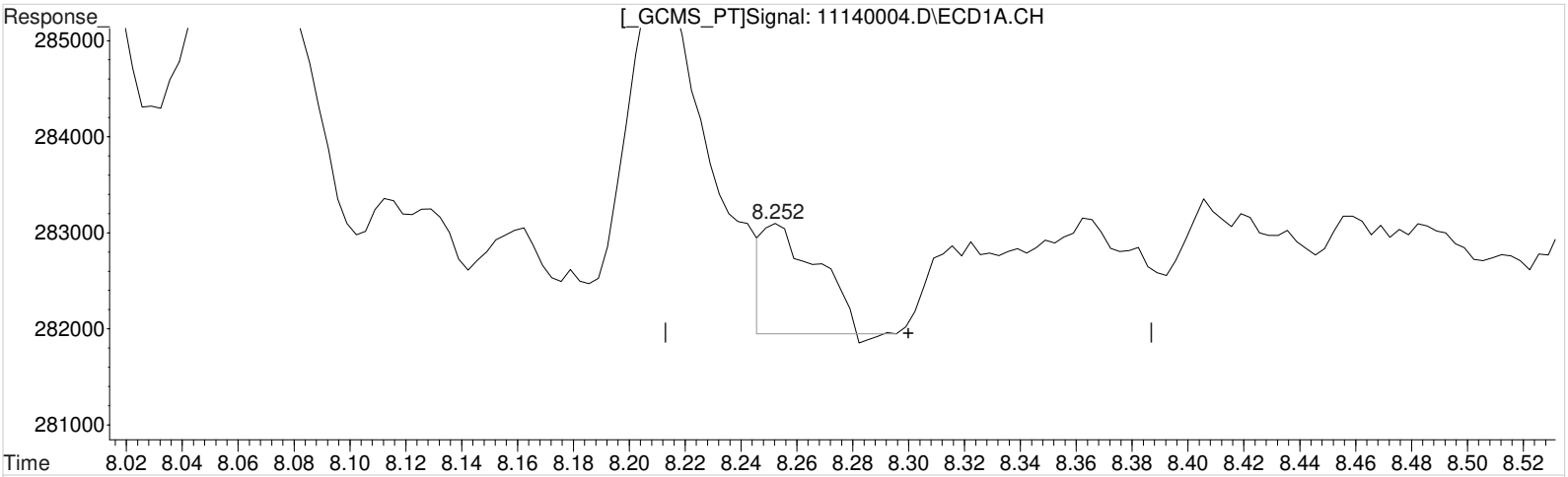
(+) = Expected Retention Time

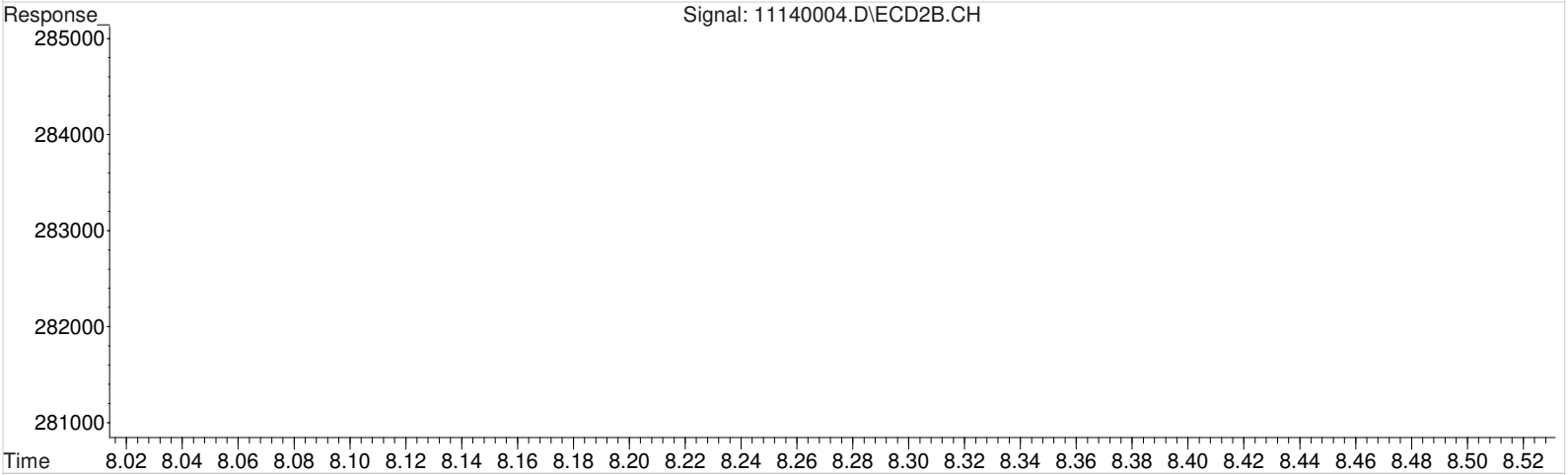
1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140004.D Vial: 1
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 3:24 pm Operator: UA
Sample : IB Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 11:23:54 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(4) MCPP (m)

8.252min 541.464 ppb

response 1519

(4) MCPP #2 (m)

8.115min -1399.248 ppb

response 2822

Manual Integration:

Before

11/16/20

(+) = Expected Retention Time

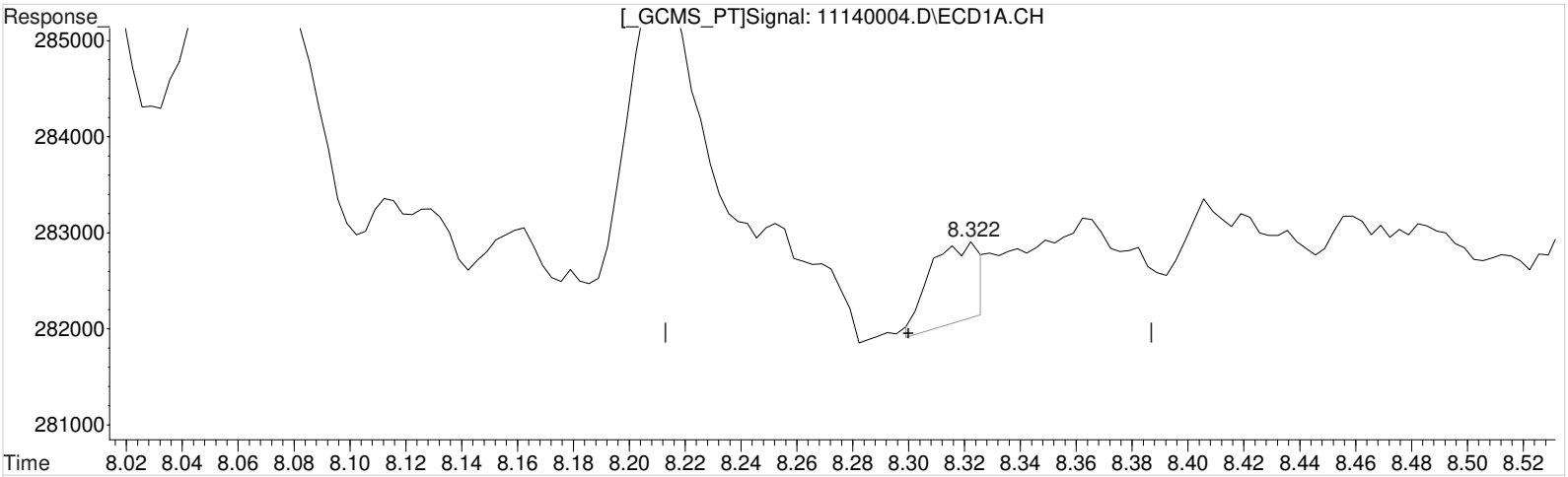
Quantitation Report (Qedit)

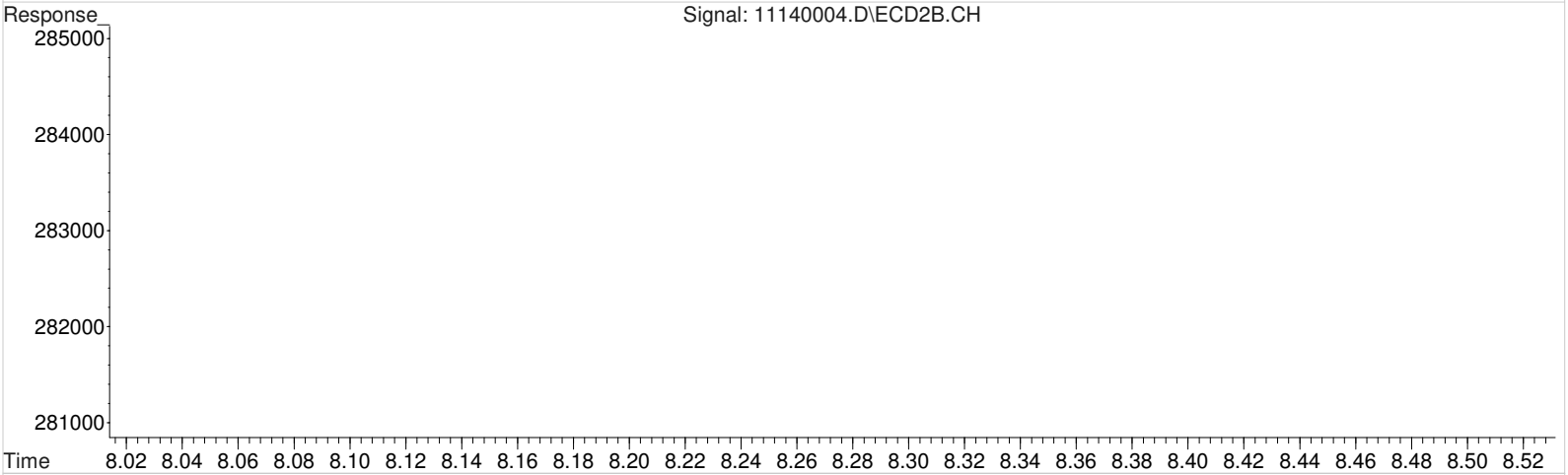
1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140004.D Vial: 1
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 3:24 pm Operator: UA
Sample : IB Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 11:23:54 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(4) MCPP (m)

8.322min 531.264 ppb m

response 1045

Manual Integration:

After

Wrong Peak

11/16/20

(4) MCPP #2 (m)

8.115min -1399.248 ppb

response 2822

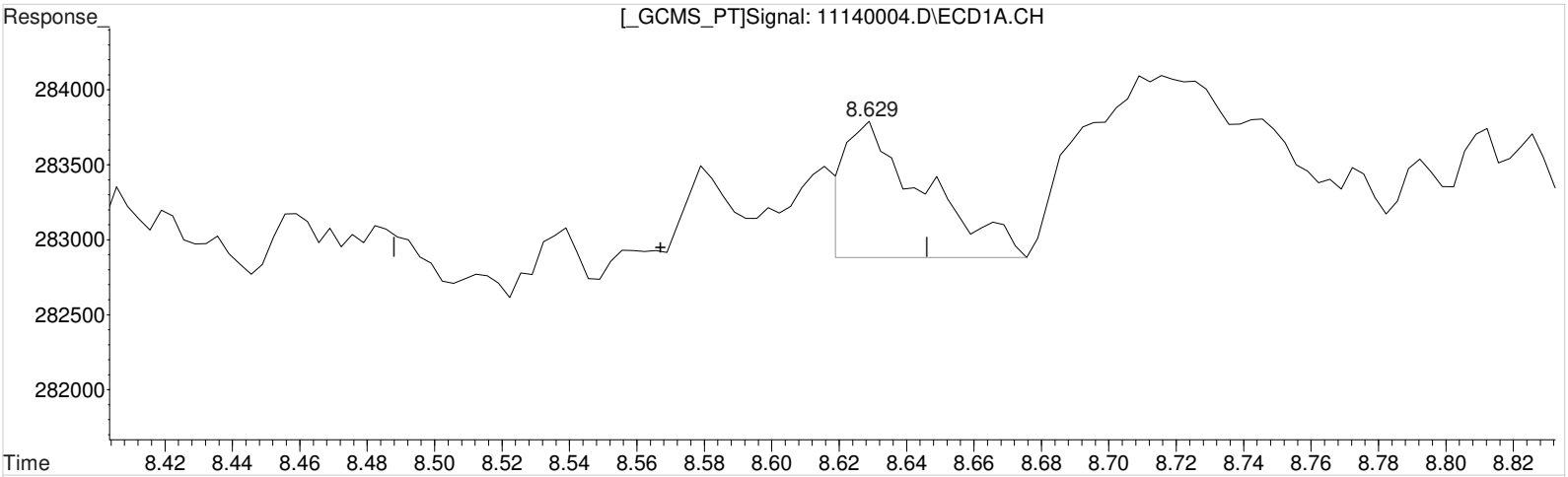
(+) = Expected Retention Time

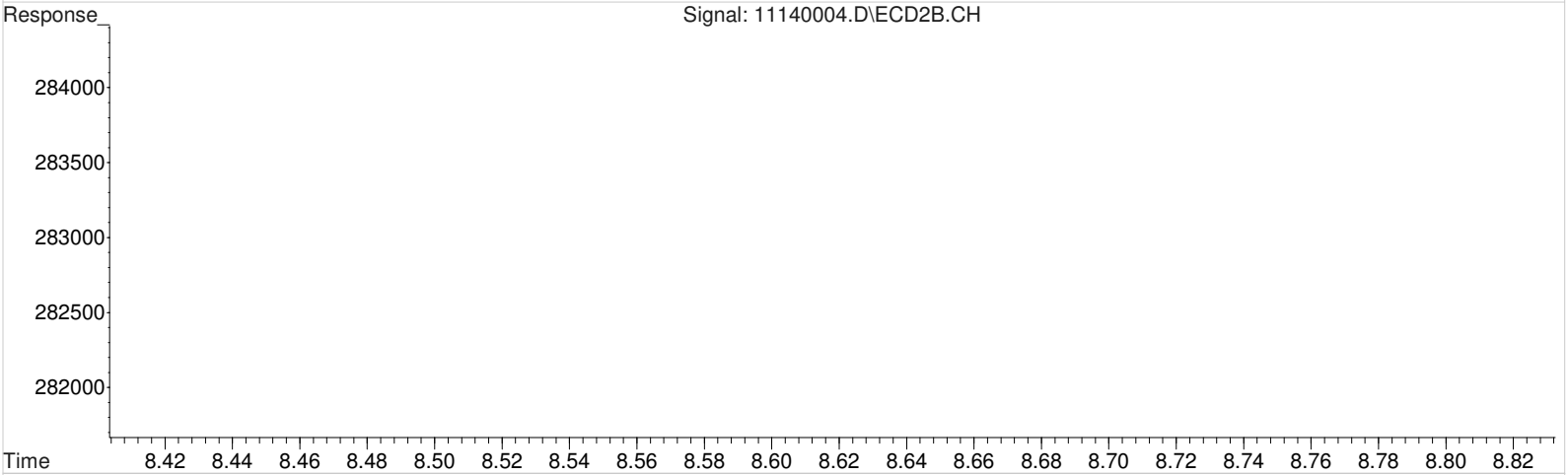
1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140004.D Vial: 1
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 3:24 pm Operator: UA
Sample : IB Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 11:23:54 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(5) MCPA (m)

8.629min 24.986 ppb

response 1463

(5) MCPA #2 (m)

8.362min -1841.348 ppb

response 7098

Manual Integration:

Before

11/16/20

(+) = Expected Retention Time

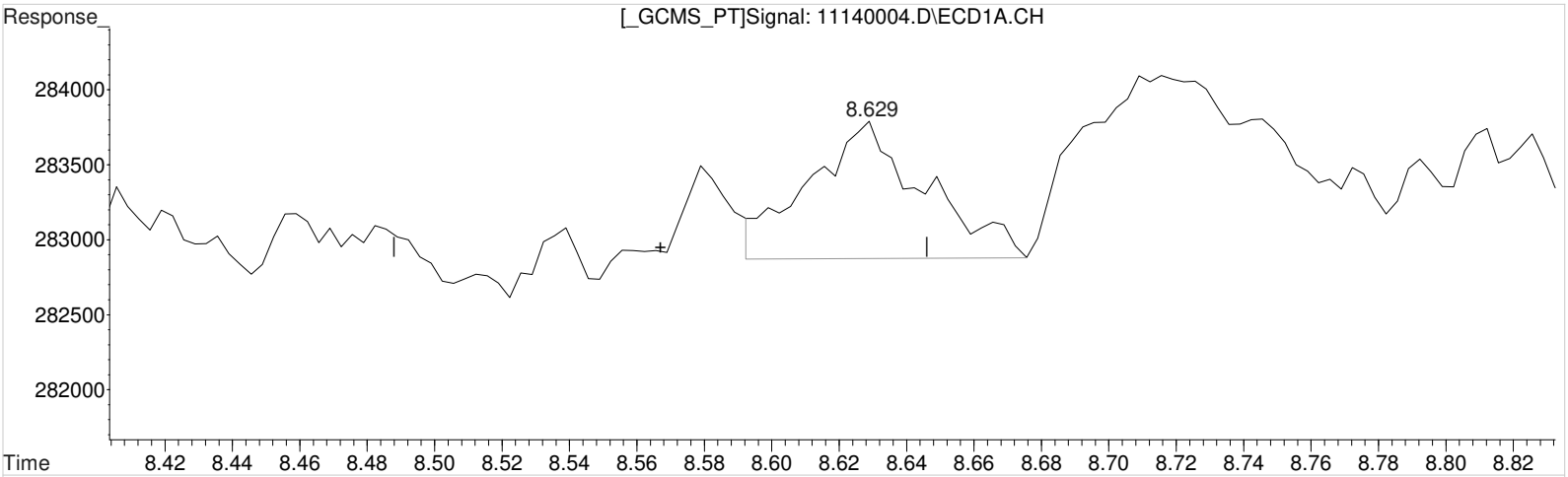
Quantitation Report (Qedit)

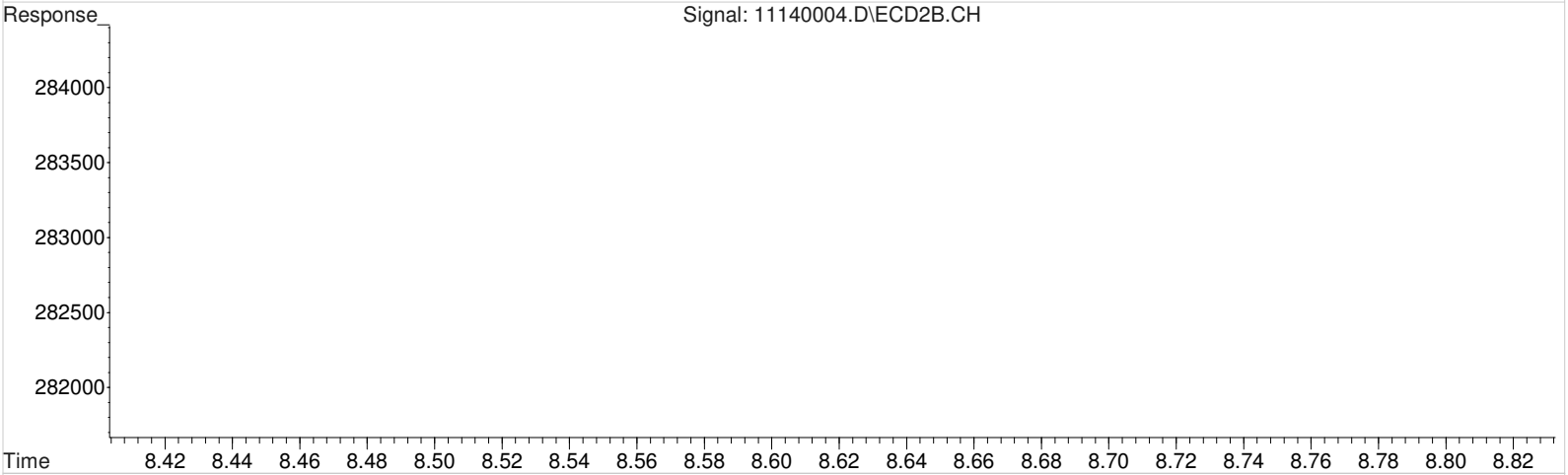
1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140004.D Vial: 1
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 3:24 pm Operator: UA
Sample : IB Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 11:23:54 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(5) MCPA (m)

8.629min 37.214 ppb m

response 2179

(5) MCPA #2 (m)

8.362min -1841.348 ppb

response 7098

Manual Integration:

After

Baseline/Shoulder

11/16/20

(+) = Expected Retention Time

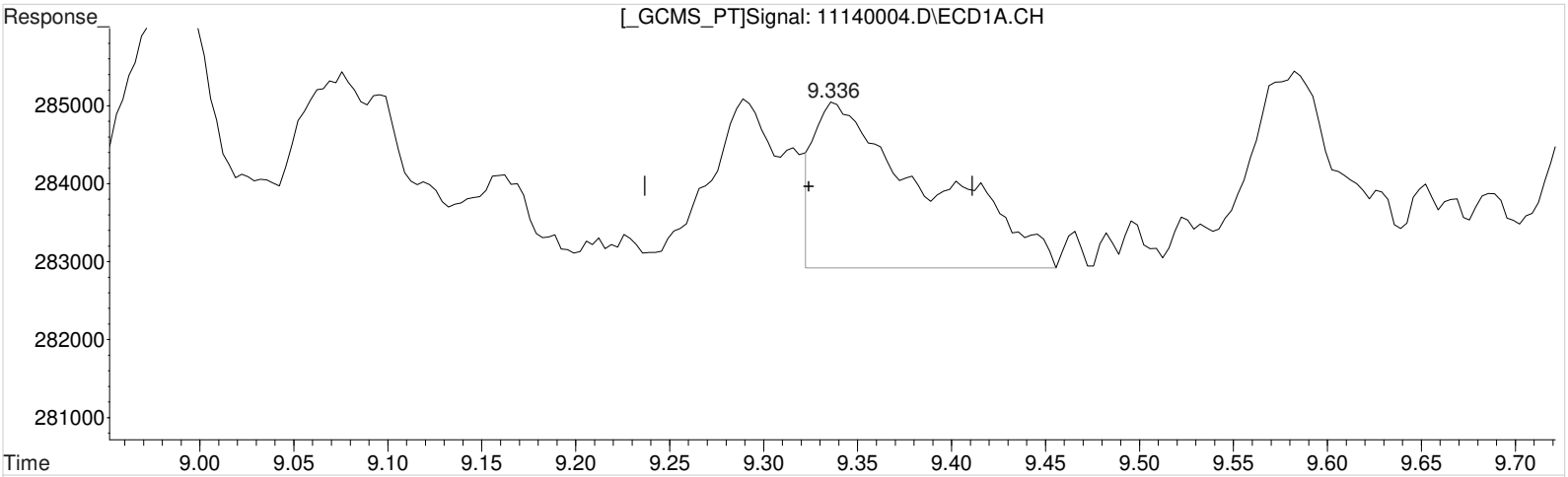
Quantitation Report (Qedit)

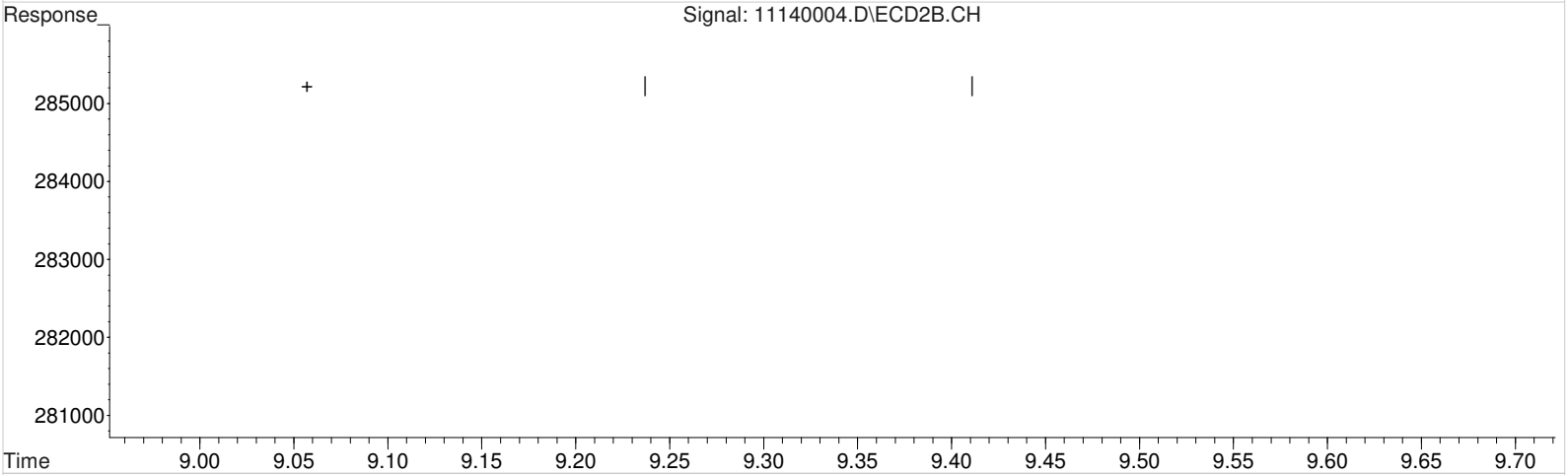
1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140004.D Vial: 1
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 3:24 pm Operator: UA
Sample : IB Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 11:23:54 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(7) 2,4-D (m)

9.336min 0.422 ppb

response 8964

Manual Integration:

Before

11/16/20

(7) 2,4-D #2 (m)

9.045min 0.129 ppb

response 6614

(+) = Expected Retention Time

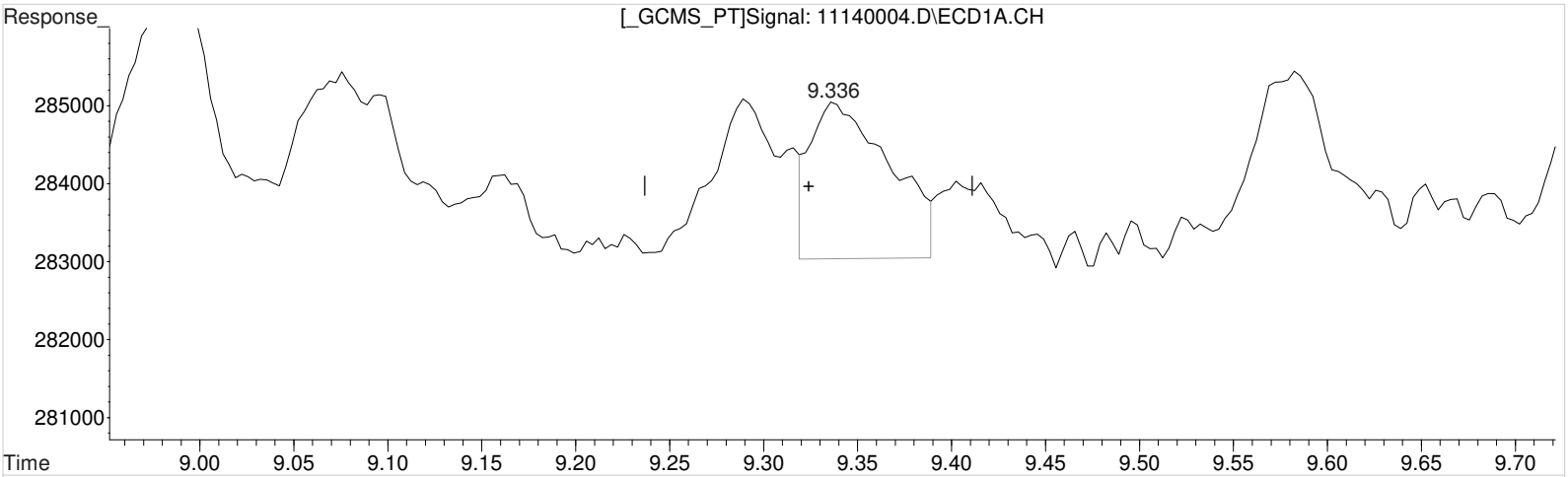
Quantitation Report (Qedit)

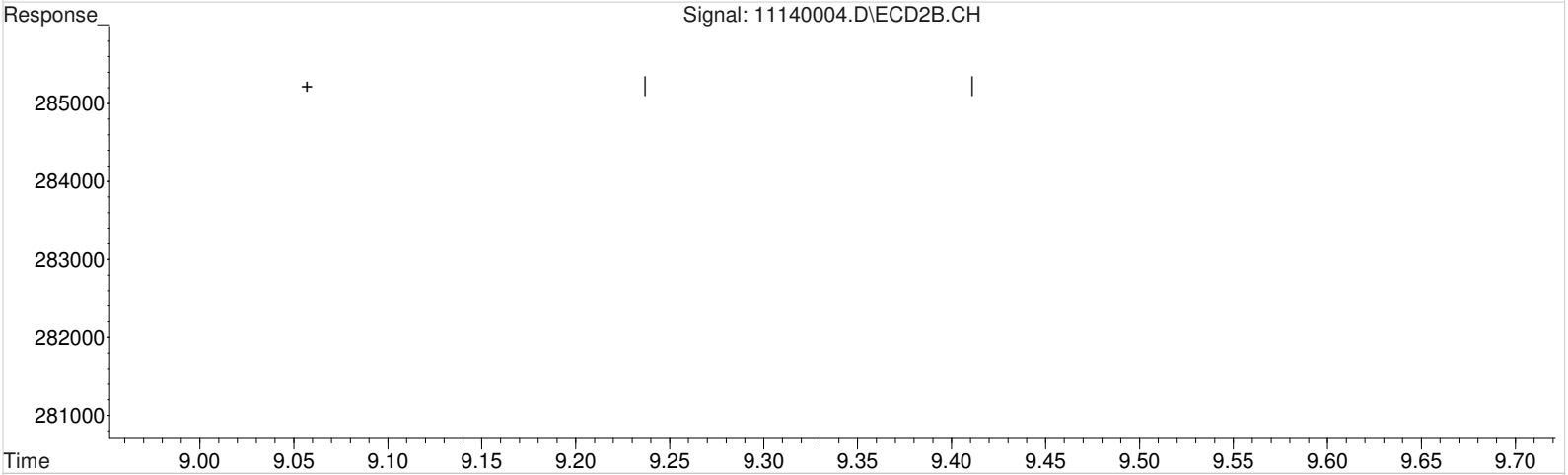
1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140004.D Vial: 1
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 3:24 pm Operator: UA
Sample : IB Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 11:23:54 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(7) 2,4-D (m)

9.336min 0.280 ppb m

response 5948

Manual Integration:

After

Baseline/Shoulder

11/16/20

(7) 2,4-D #2 (m)

9.045min 0.129 ppb

response 6614

(+) = Expected Retention Time

1st 11/16/20
2nd UA 11/17/20

Validation Report

Data File: J:\gc24\data\111420\11140017.D\
Lab ID: KQ2018066-04
RunType: CCB
Matrix: Sediment

Date Acquired: 11/14/20 20:23:00
Batch ID: 703599
Analysis Method: 8151A/HERB

Validations

Validation Categories	Pass	Fail
ICAL Analyte Recovery	X	
Second Source ICAL Verification	X	
Continuing Calibration Recovery		X
Surrogates	X	
Above Highest ICAL Level	X	
Analyte Coelutions	X	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
Continuing Calibration Recovery - ZB-XLB-HT	2,4,5-TP (Silvex)	23		20	CCV+ND
	MCPA	26		20	
	MCPP	25		20	

Primary Review: _____

Secondary Review: _____

1st 11/16/20
2nd UA 11/17/20

Quantitation Report

Data File:	J:\gc24\data\111420\11140017.D\	**Instrument:**	K-GC-24
Acqu Date:	11/14/20 20:23:00	**Vial:**	4
Run Type:	CCB	**Dilution:**	1
Lab ID:	KQ2018066-04	**Raw Units:**	ppb

Bottle ID:		**Tier:**	IV	**Matrix:**	Sediment
Prod Code:	HERB	**Collect Date:**	10/28/20	**Receive Date:**	11/3/20

Analysis Lot:	703599	**Prep Lot:**		**Report Group:**	KQ2018066
Analysis	8151A	**Prep Method:**			
		Prep Date:			

Title:	Chlorinated Herbicides by GC	**Calibration ID:**	KC2000566
		Report List ID:	18726

Surrogate Compounds

Parameter Name	RT 1	RT 2	Resp 1	Resp 2	Solution Conc 1	Solution Conc 2	% Rec 1	% Rec 2	% Rec	% Rec Criteria	Rpt?
2,4-Dichlorophenylacetic Acid	8.01 +0.03	7.83 +0.02	13382	35328	0.735	0.835				26 - 127	Y

Target Compounds

Final Conc.Units: ug/Kg

Parameter Name	RT 1	RT 2	Resp 1	Resp 2	Solution Conc 1	Solution Conc 2	Final Conc 1	Final Conc 2	Primary Conc	Rpt?
2,4,5-T	10.71 +0.02	10.54 +0.01	5934	24597	0.072	0.129	0.12U	0.22U	4.0 U	Y
2,4,5-TP (Silvex)	10.26 +0.01	10.09 -0.03	8120	499060	0.087	2.458CCV	0.15U	4.1J	2.4 U	Y
2,4-D	9.33 +0.02	9.08 +0.03	2999	13781	0.141	0.269	0.24U	0.45U	7.7 U	Y
2,4-DB	11.26 -0.01	11.18 +0.02	3091	1818	0.301	0.063	0.50U	0.11U	5.4 U	Y
Dalapon	3.16 +0.04	2.84 -0.04	5094	22485	0.210	0.465	0.35U	0.78U	5.5 U	Y
Dicamba	8.22 +0.02	7.92 +0.01	8492	19909	0.122	0.134	0.20U	0.22U	4.3 U	Y
Dichlorprop	8.99 +0.04	8.75	7831	5629	0.420	0.135	0.70U	0.23U	3.4 U	Y
Dinoseb	11.68 +0.01	11.31	5086	15959	0.082	0.117	0.14U	0.20U	2.7 U	Y
MCPA	0.00	0.00	0	6264	0.000	0.000CCV	0U	0U	320 U	Y
MCPP	0.00	0.00	0	2909	0.000	0.000CCV	0U	0U	460 U	Y

Prep Amount:	30.00 g	**Dilution:**	1
Prep Final Amount:	50.00 mL	**Basis Factor:**	100.00

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

Printed: 11/17/20 15:41
\\alprews001\starlims$\LIMSReps\QuantValidation.rpt

Quantitation Report (QT Reviewed)

1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140017.D Vial: 1
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 8:23 pm Operator: UA
Sample : IB Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 14:37:36 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm

		Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
		System Monitoring Compounds						
2)	s	2,4-Dichl...	8.006	7.829	13382	35328	0.735	0.835
		Target Compounds						
1)	m	Dalapon	3.156f	2.843f	5094	22485	0.210m	0.465m#
3)	m	Dicamba	8.216	7.923	8492	19909	0.122m	0.134m
4)	m	MCPP	0.000	8.116	0	2909	N.D. d	N.D.
5)	m	MCPA	0.000	8.363	0	6264	N.D.	N.D.
6)	m	Dichloroprop	8.990	8.753	7831	5629	0.420m	0.135 #
7)	m	2,4-D	9.333	9.076	2999	13781	0.141	0.269m#
8)	m	2,4,5-TP ...	10.256	10.086	8120	499060	0.087	2.458 #
9)	m	2,4,5-T	10.706	10.543	5934	24597	0.072	0.129 #
10)	m	2,4-DB	11.256	11.183	3091	1818	0.301	0.063m#
11)	m	Dinoseb	11.680	11.313	5086	15959	0.082	0.117 #

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140017.D Vial: 1
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 8:23 pm Operator: UA
Sample : IB Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 14:37:36 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
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QLast Update : Wed Oct 21 17:31:59 2020
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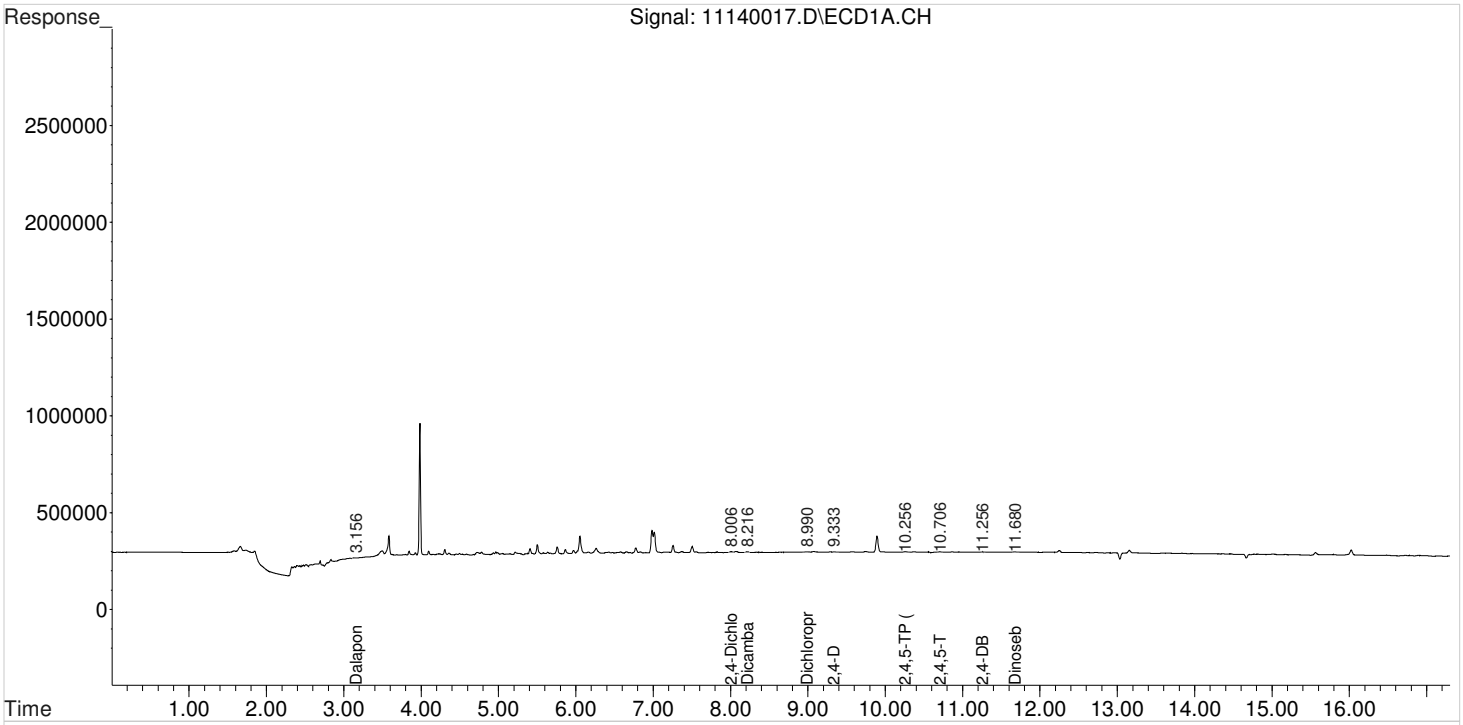
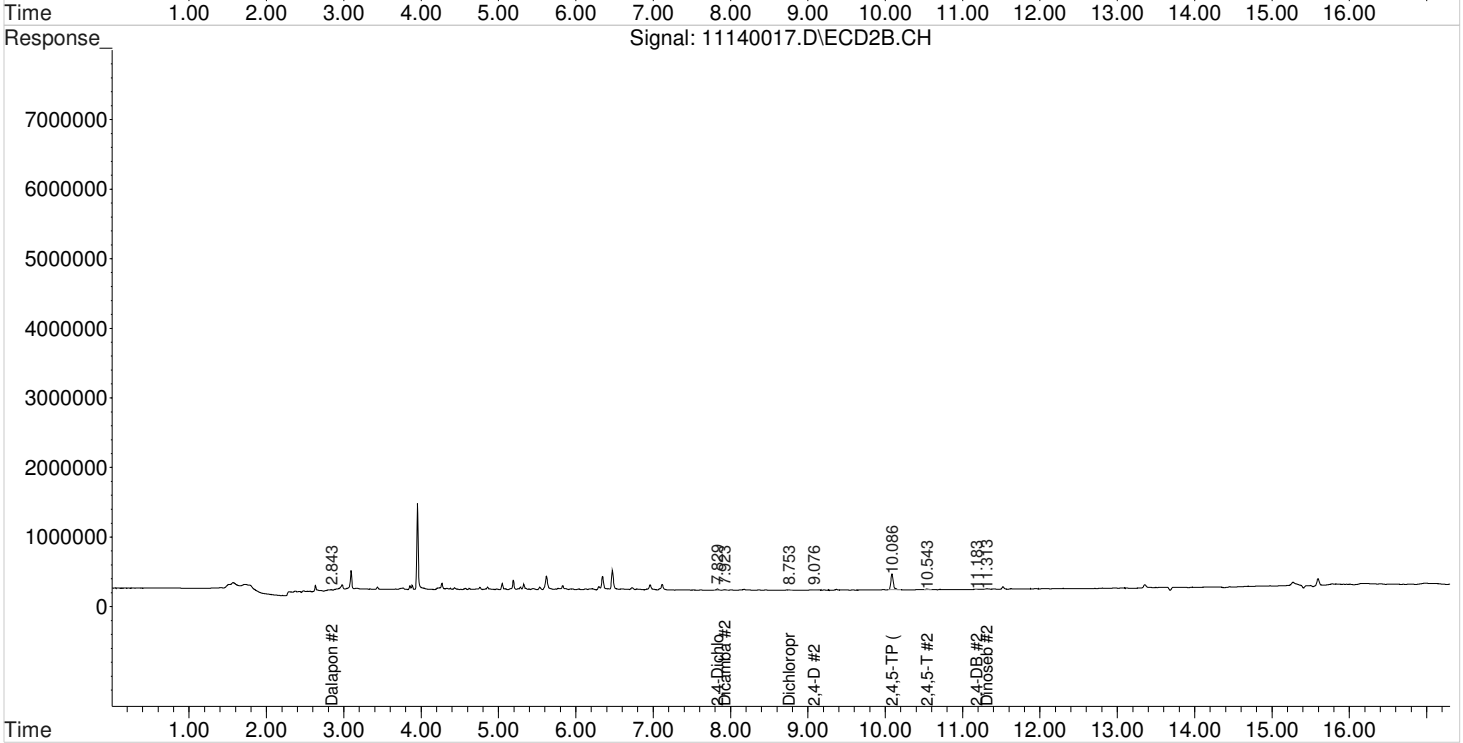
Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





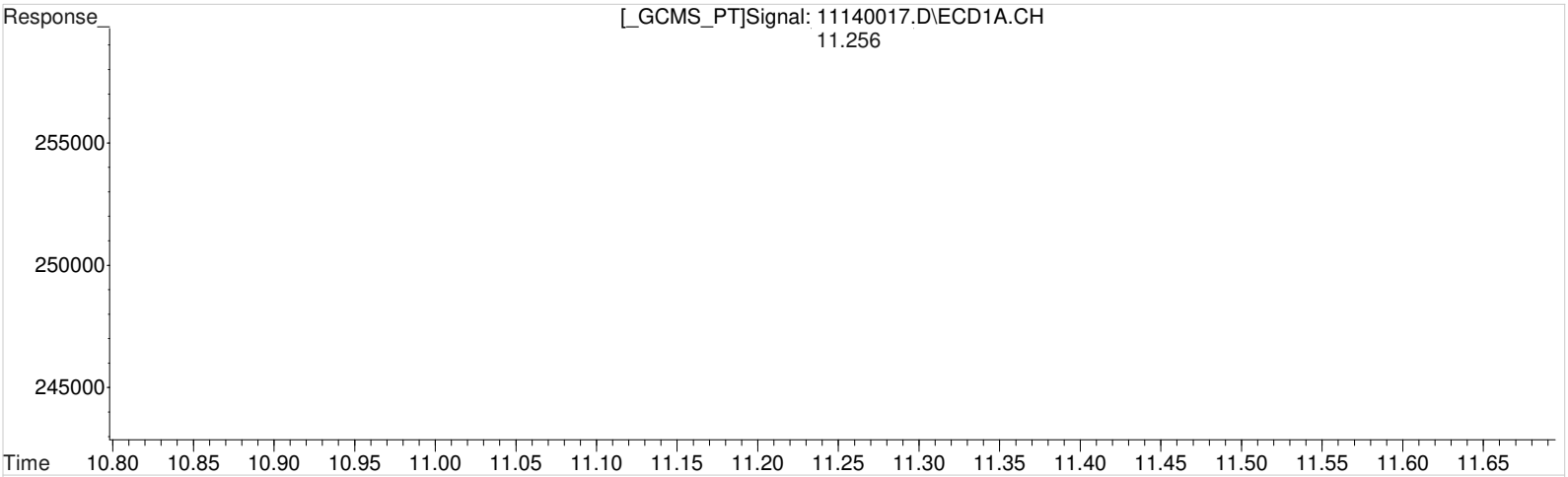
Quantitation Report (Qedit)

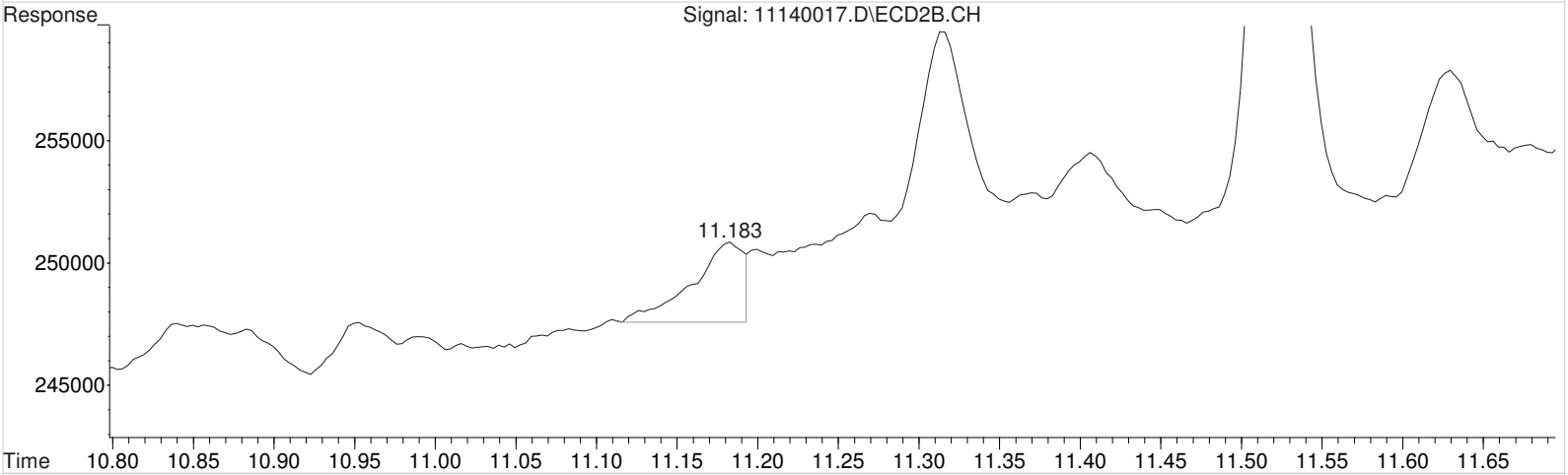
1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140017.D Vial: 1
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 8:23 pm Operator: UA
Sample : IB Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 11:24:33 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(10) 2,4-DB (m)

11.256min 0.301 ppb

response 3091

(10) 2,4-DB #2 (m)

11.183min 0.255 ppb

response 7397

Manual Integration:

Before

11/16/20

(+) = Expected Retention Time

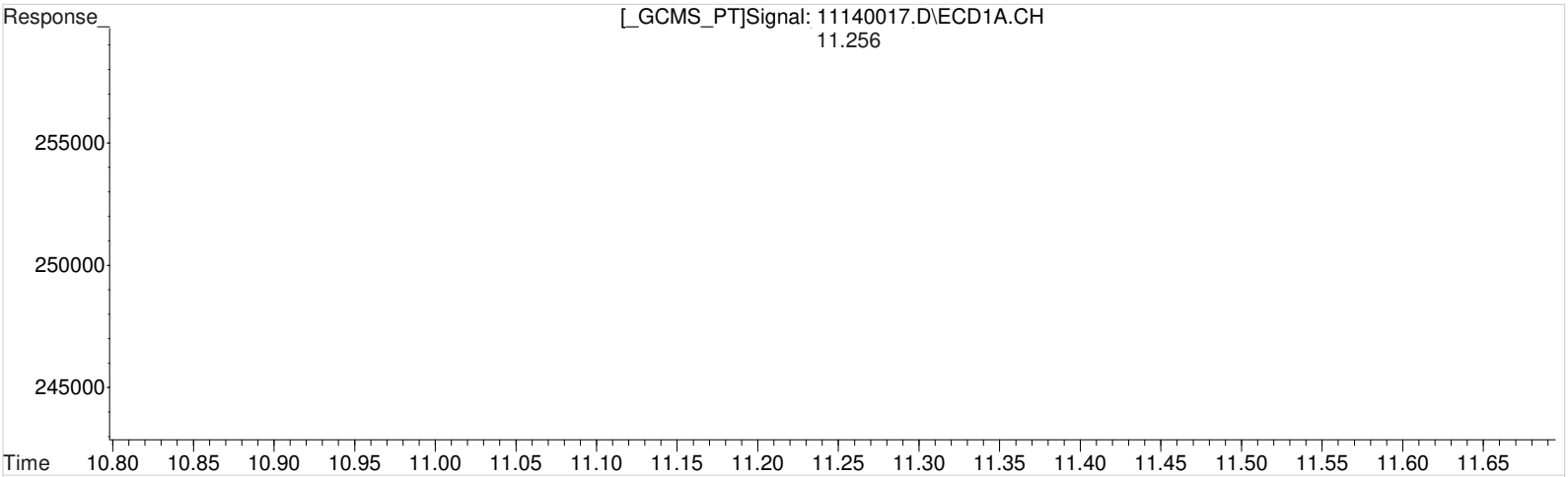
Quantitation Report (Qedit)

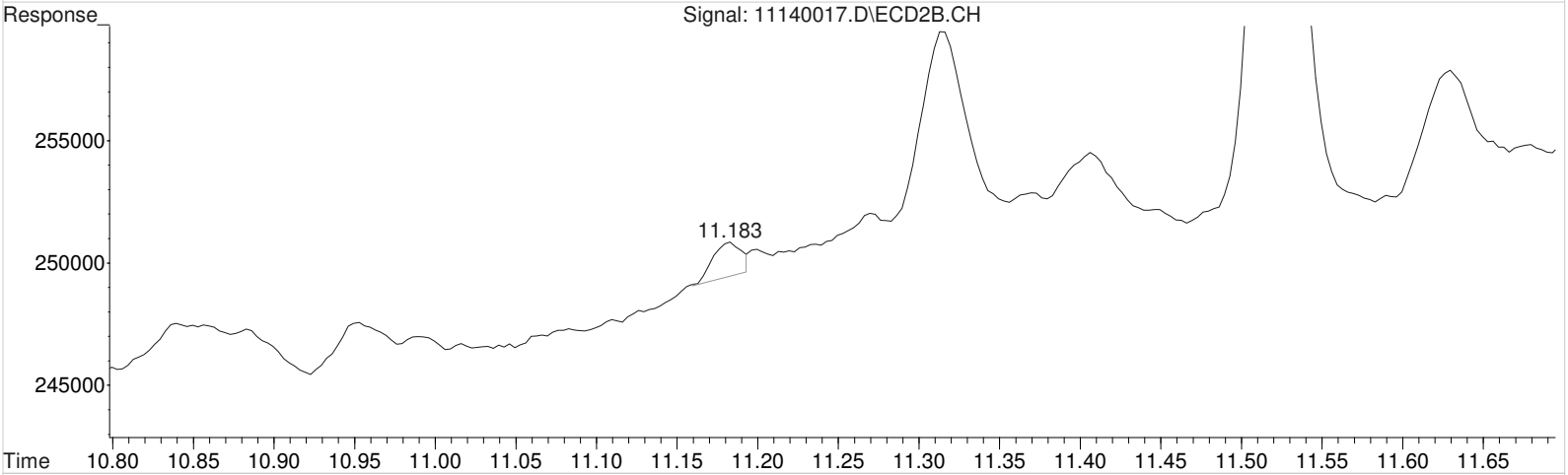
1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140017.D Vial: 1
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 8:23 pm Operator: UA
Sample : IB Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 11:24:33 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(10) 2,4-DB (m)

11.256min 0.301 ppb

response 3091

Manual Integration:

After

Baseline/Shoulder

11/16/20

(10) 2,4-DB #2 (m)

11.183min 0.063 ppb m

response 1818

(+) = Expected Retention Time

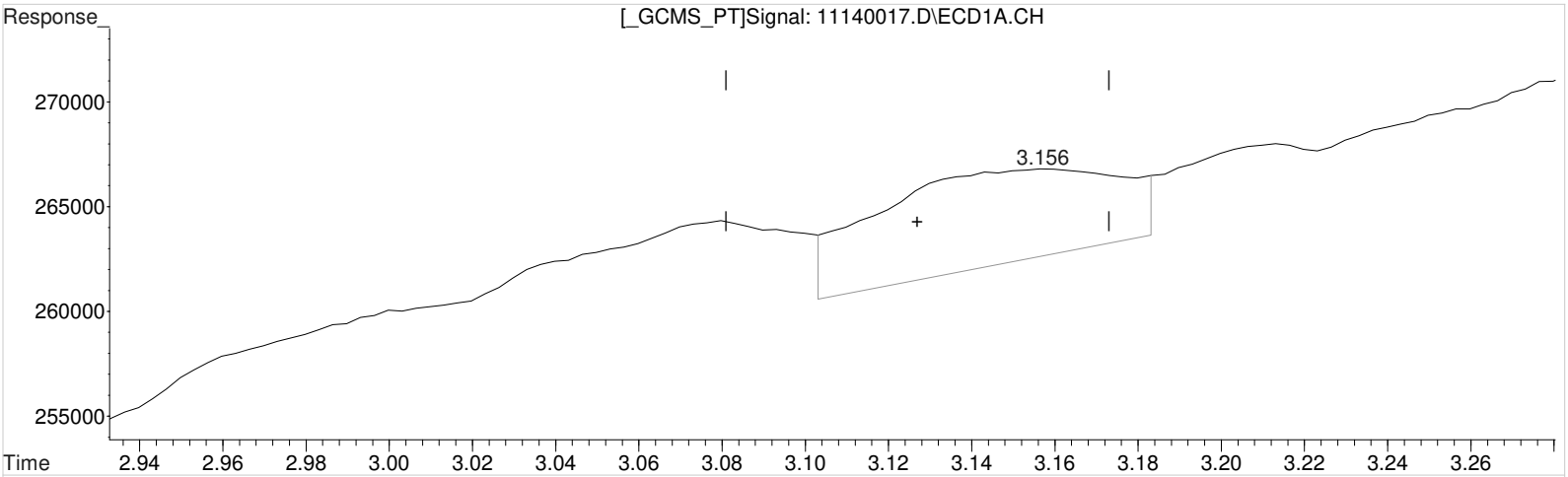
Quantitation Report (Qedit)

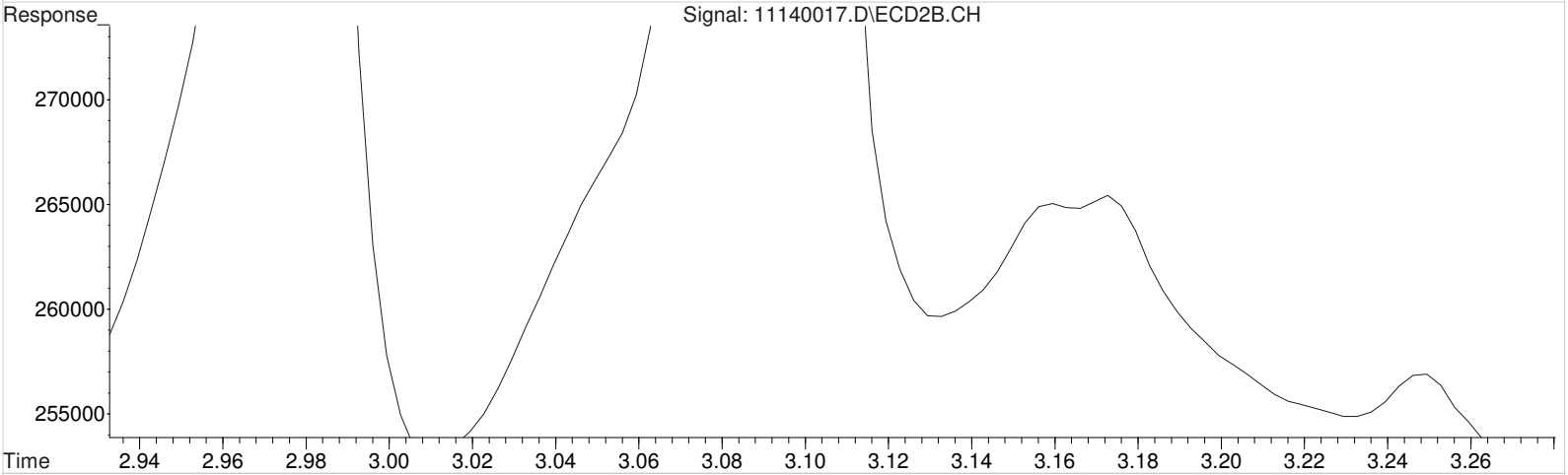
1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140017.D Vial: 1
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 8:23 pm Operator: UA
Sample : IB Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 11:24:33 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(1) Dalapon (m)

3.156min 0.769 ppb

response 18662

(1) Dalapon #2 (m)

2.843min 0.849 ppb

response 40999

Manual Integration:

Before

11/16/20

(+) = Expected Retention Time

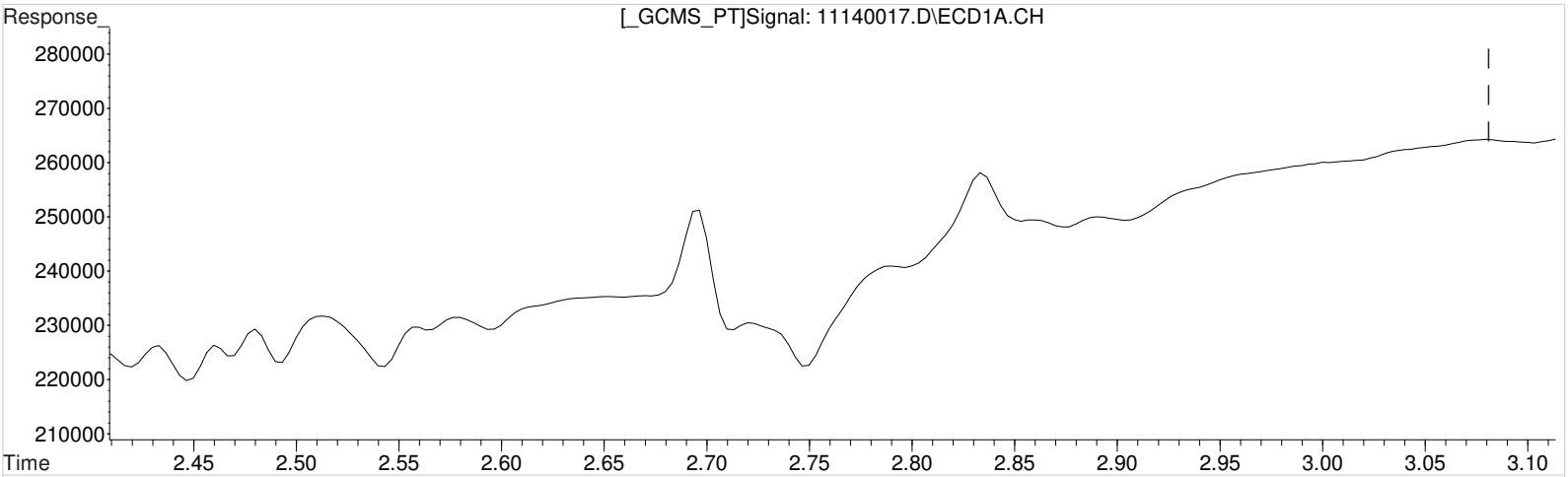
Quantitation Report (Qedit)

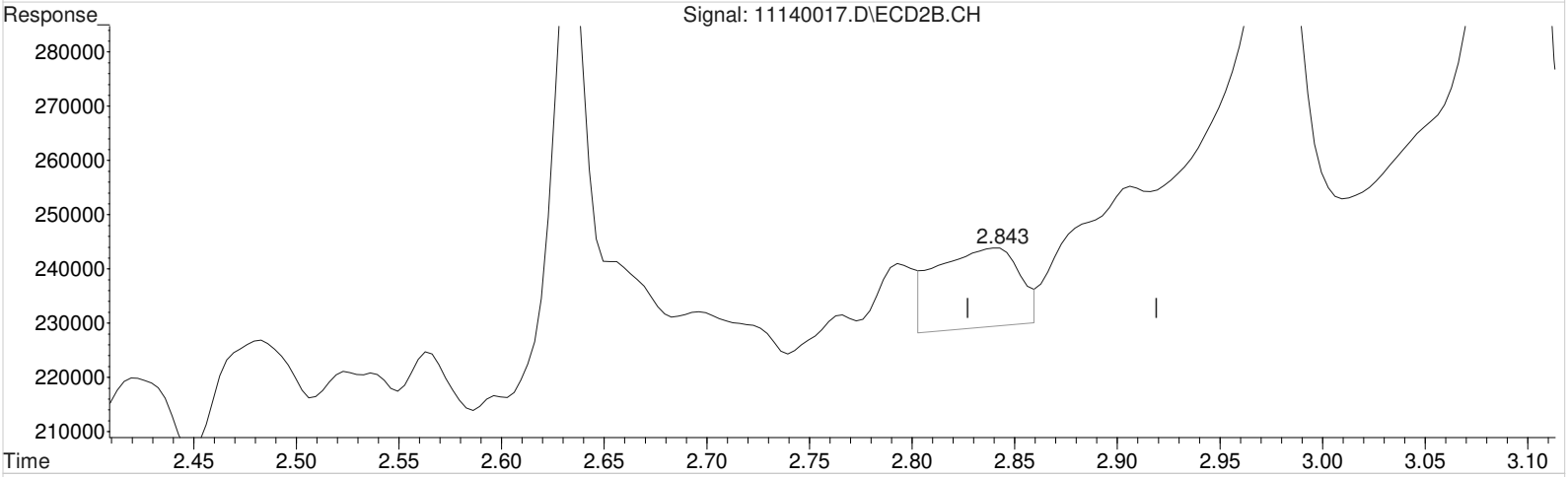
1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140017.D Vial: 1
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 8:23 pm Operator: UA
Sample : IB Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 11:24:33 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(1) Dalapon (m)

3.156min 0.210 ppb m

response 5094

(1) Dalapon #2 (m)

2.843min 0.849 ppb

response 40999

Manual Integration:

Before

11/16/20

(+) = Expected Retention Time

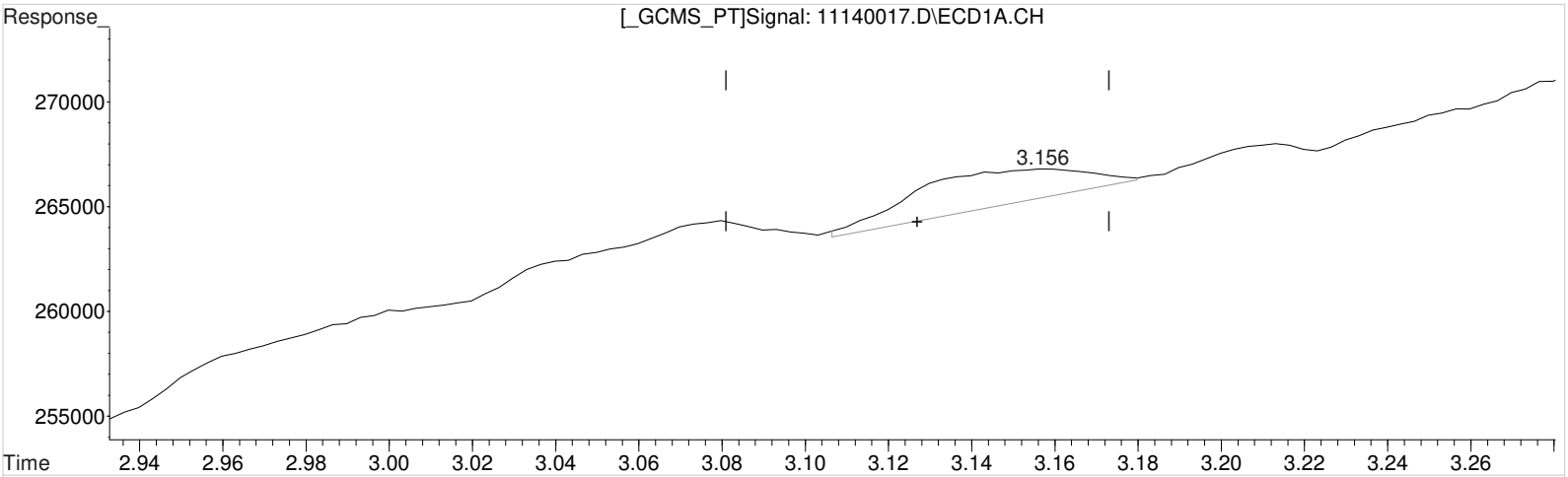
Quantitation Report (Qedit)

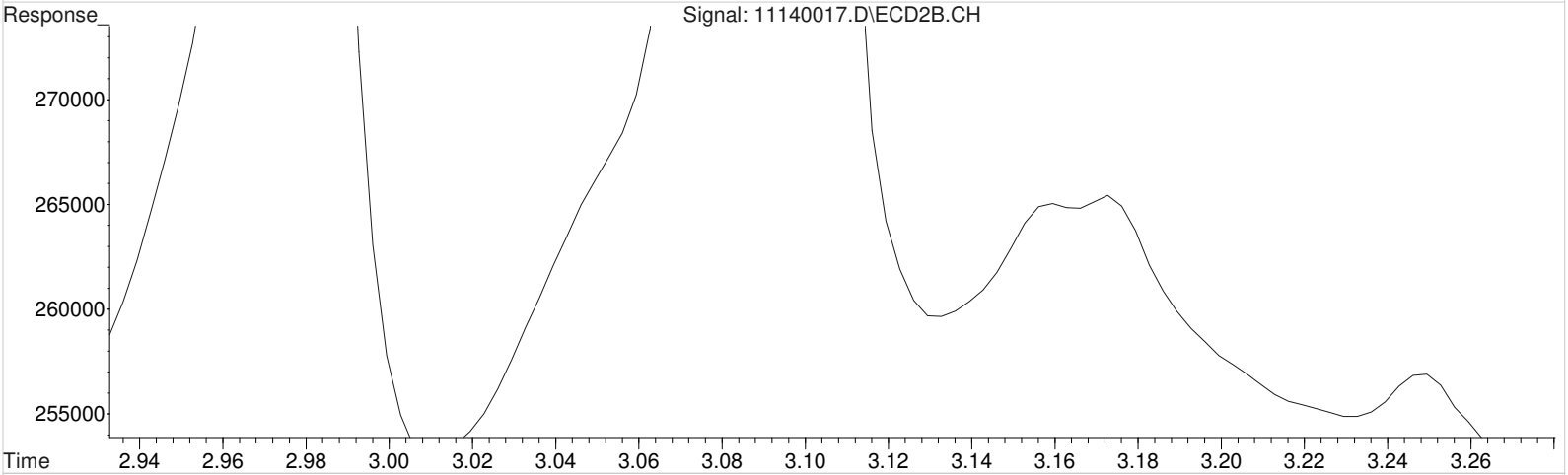
1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140017.D Vial: 1
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 8:23 pm Operator: UA
Sample : IB Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 11:24:33 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(1) Dalapon (m)

3.156min 0.210 ppb m

response 5094

(1) Dalapon #2 (m)

2.843min 0.849 ppb

response 40999

Manual Integration:

After

Baseline/Shoulder

11/16/20

(+) = Expected Retention Time

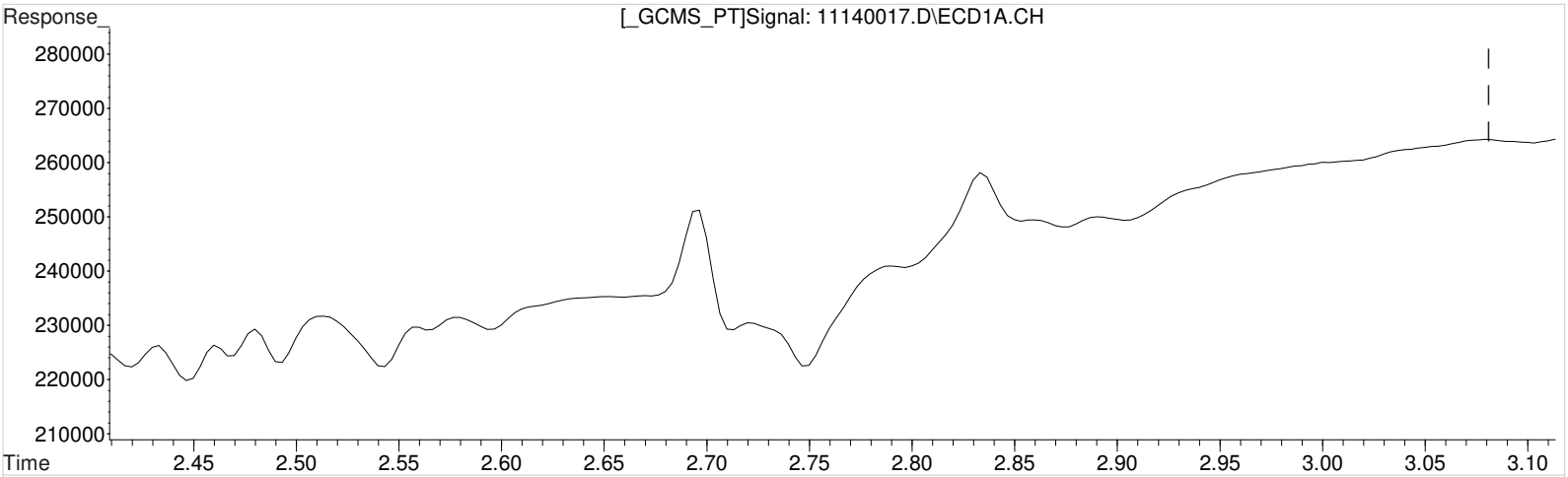
Quantitation Report (Qedit)

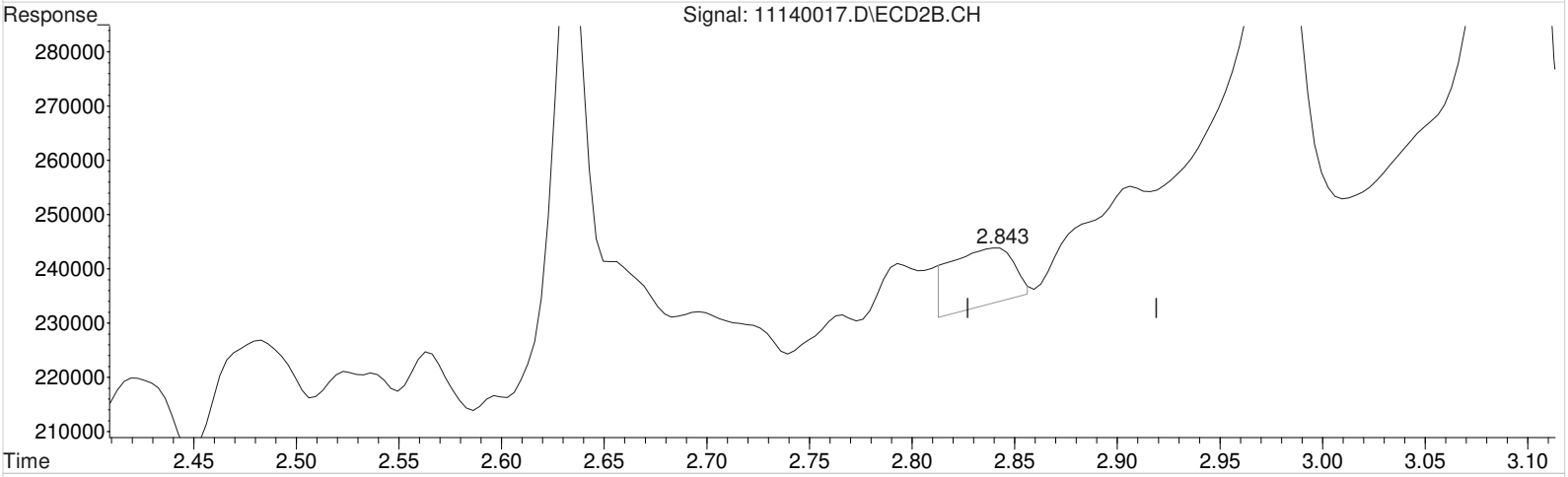
1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140017.D Vial: 1
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 8:23 pm Operator: UA
Sample : IB Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 11:24:33 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(1) Dalapon (m)

3.156min 0.210 ppb m

response 5094

(1) Dalapon #2 (m)

2.843min 0.465 ppb m

response 22485

Manual Integration:

After

Baseline/Shoulder

11/16/20

(+) = Expected Retention Time

Quantitation Report (Qedit)

1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140017.D Vial: 1
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 8:23 pm Operator: UA
Sample : IB Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
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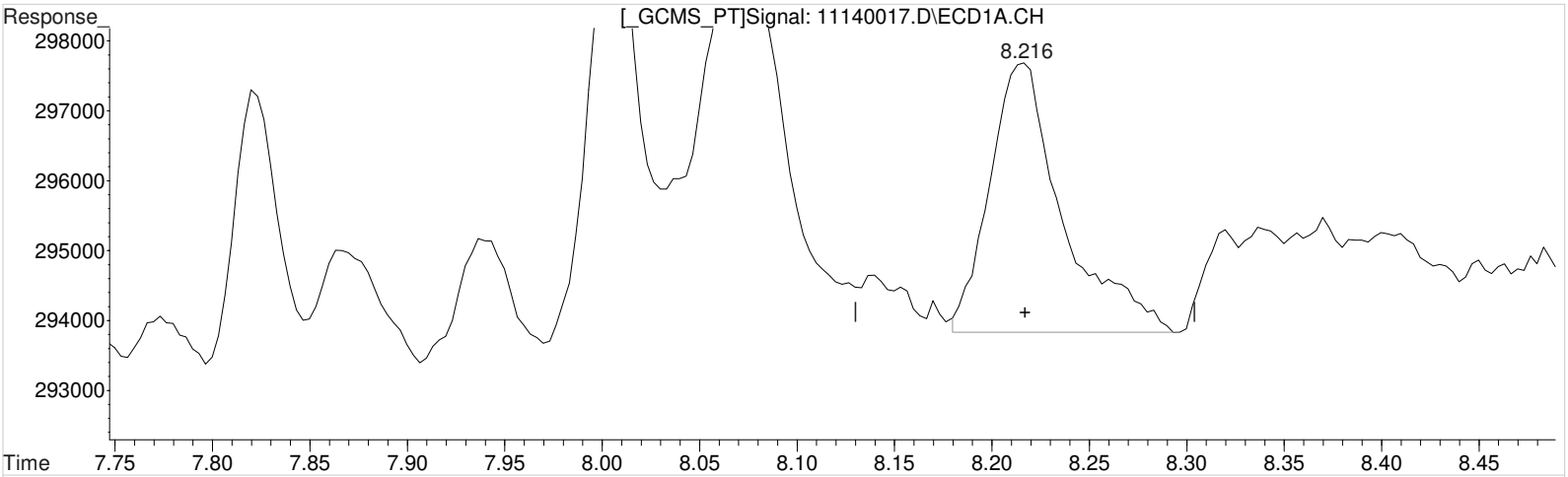
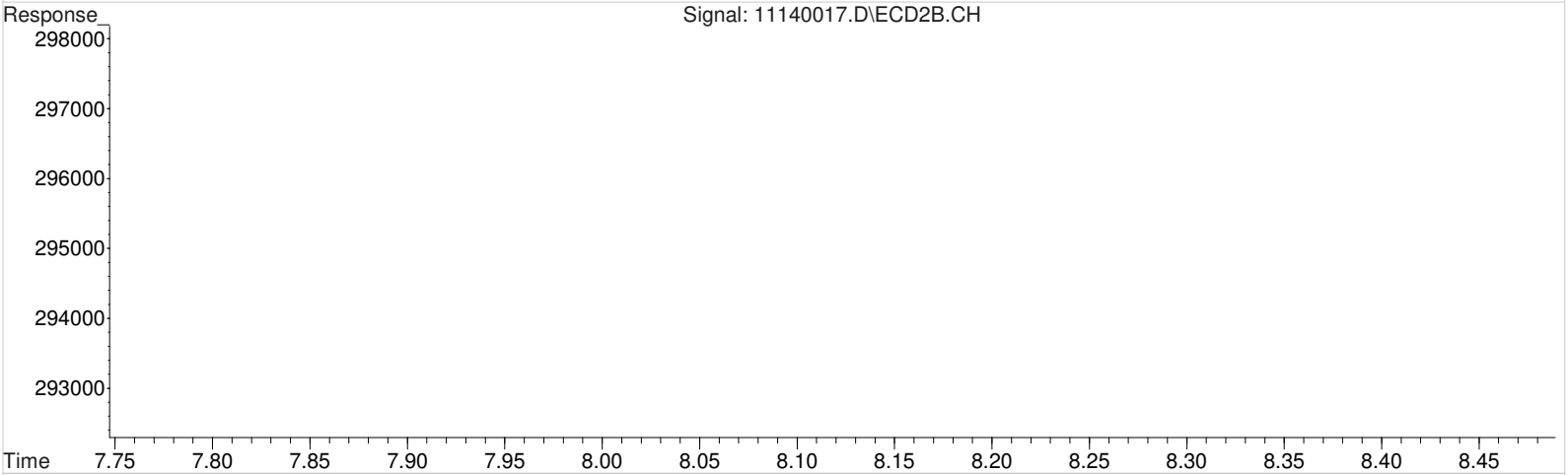
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(3) Dicamba (m)

8.216min 0.143 ppb

response 10011

Manual Integration:

Before

11/16/20

(3) Dicamba #2 (m)

7.923min 0.107 ppb

response 15821

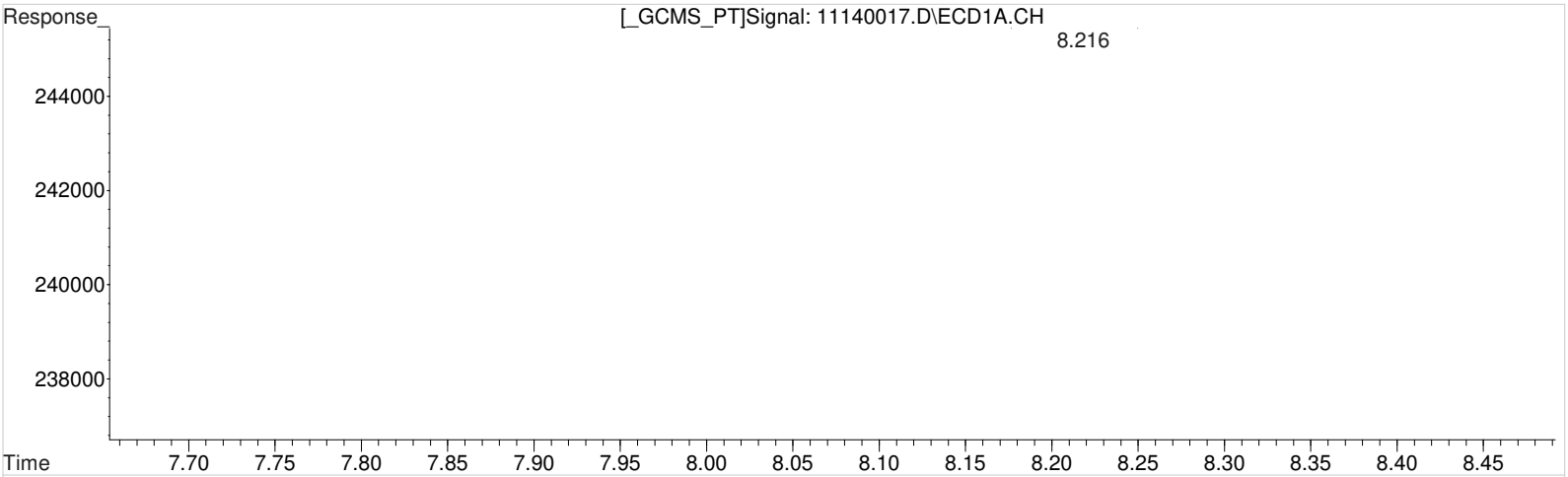
(+) = Expected Retention Time

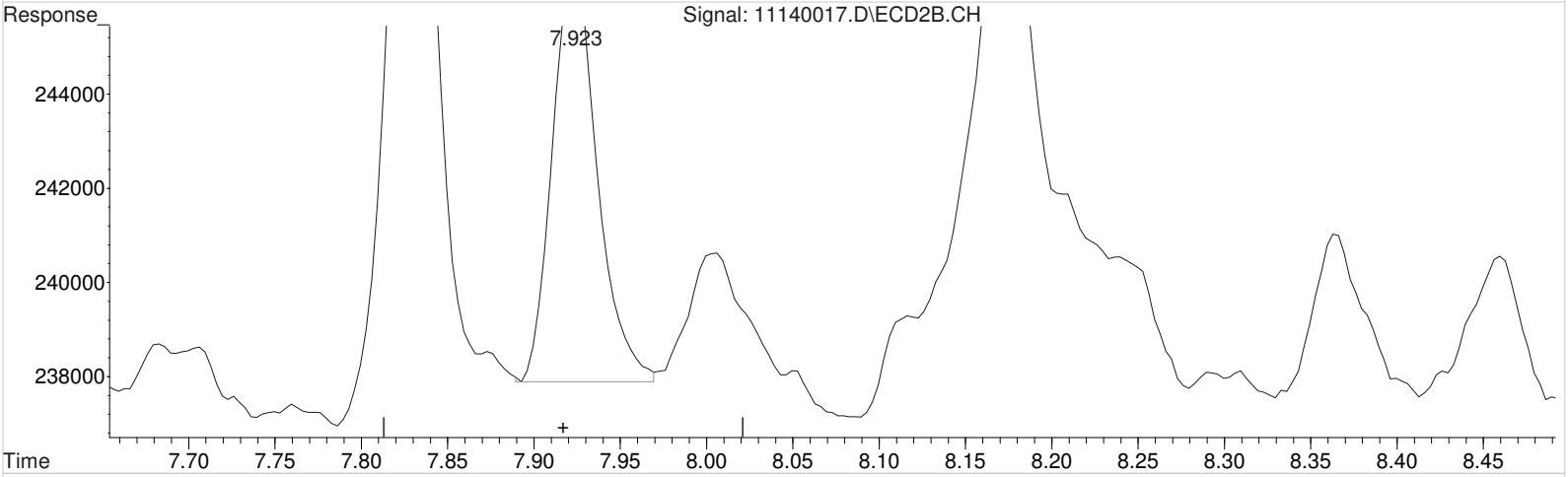
1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140017.D Vial: 1
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 8:23 pm Operator: UA
Sample : IB Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 11:24:33 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(3) Dicamba (m)

8.216min 0.122 ppb m

response 8492

(3) Dicamba #2 (m)

7.923min 0.107 ppb

response 15821

Manual Integration:

Before

11/16/20

(+) = Expected Retention Time

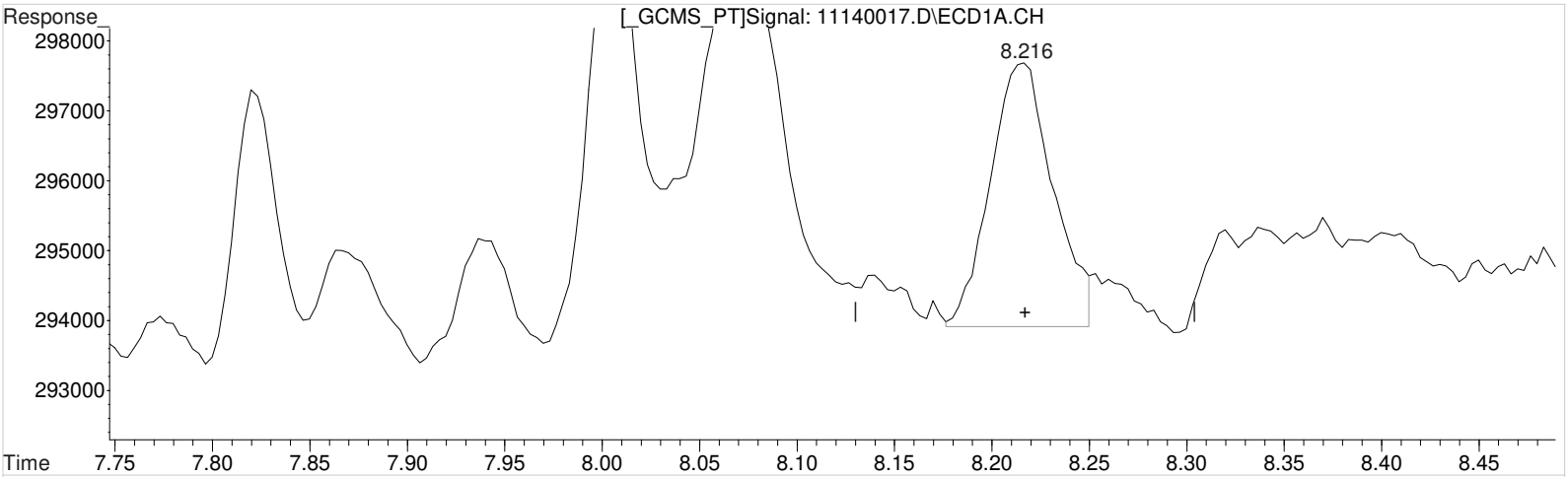
Quantitation Report (Qedit)

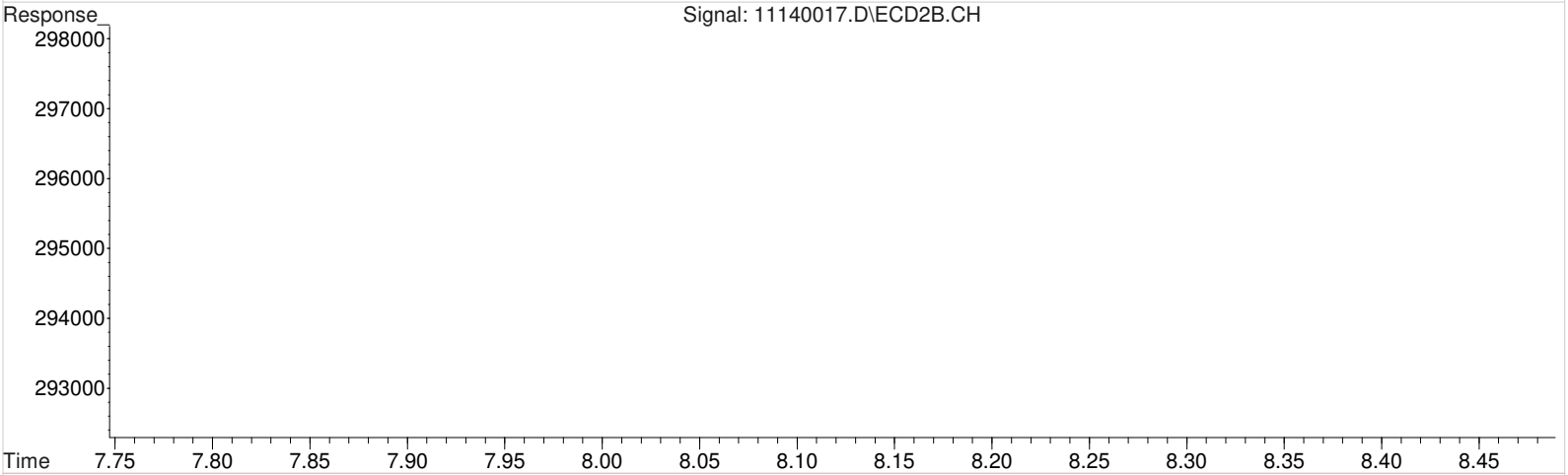
1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140017.D Vial: 1
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 8:23 pm Operator: UA
Sample : IB Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 11:24:33 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(3) Dicamba (m)

8.216min 0.122 ppb m

response 8492

Manual Integration:

After

Baseline/Shoulder

11/16/20

(3) Dicamba #2 (m)

7.923min 0.107 ppb

response 15821

(+) = Expected Retention Time

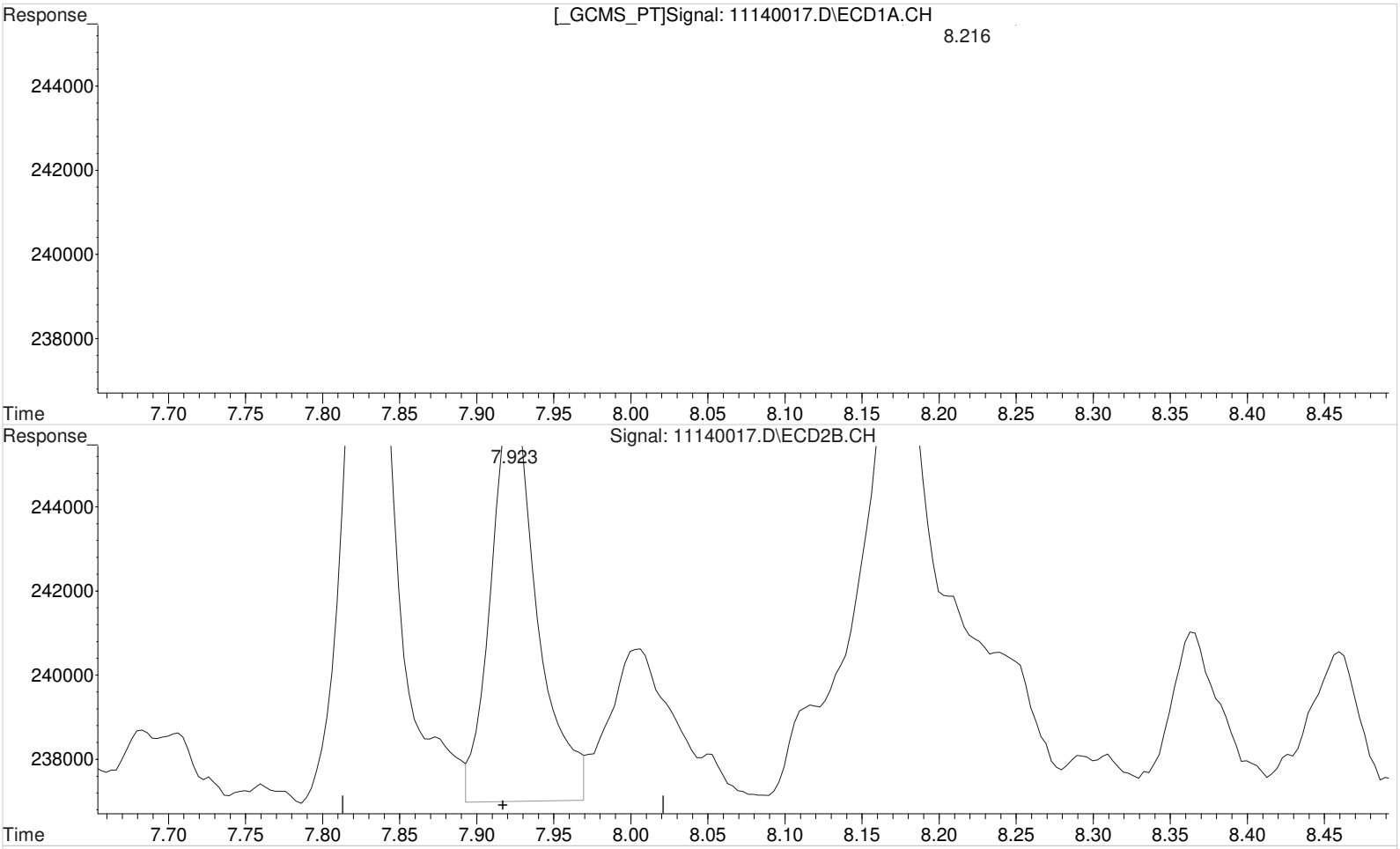
Quantitation Report (Qedit)

1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140017.D Vial: 1
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 8:23 pm Operator: UA
Sample : IB Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 11:24:33 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm



QEdit

(3) Dicamba (m)

8.216min 0.122 ppb m

response 8492

(3) Dicamba #2 (m)

7.923min 0.134 ppb m

response 19909

Manual Integration:

After

Baseline/Shoulder

11/16/20

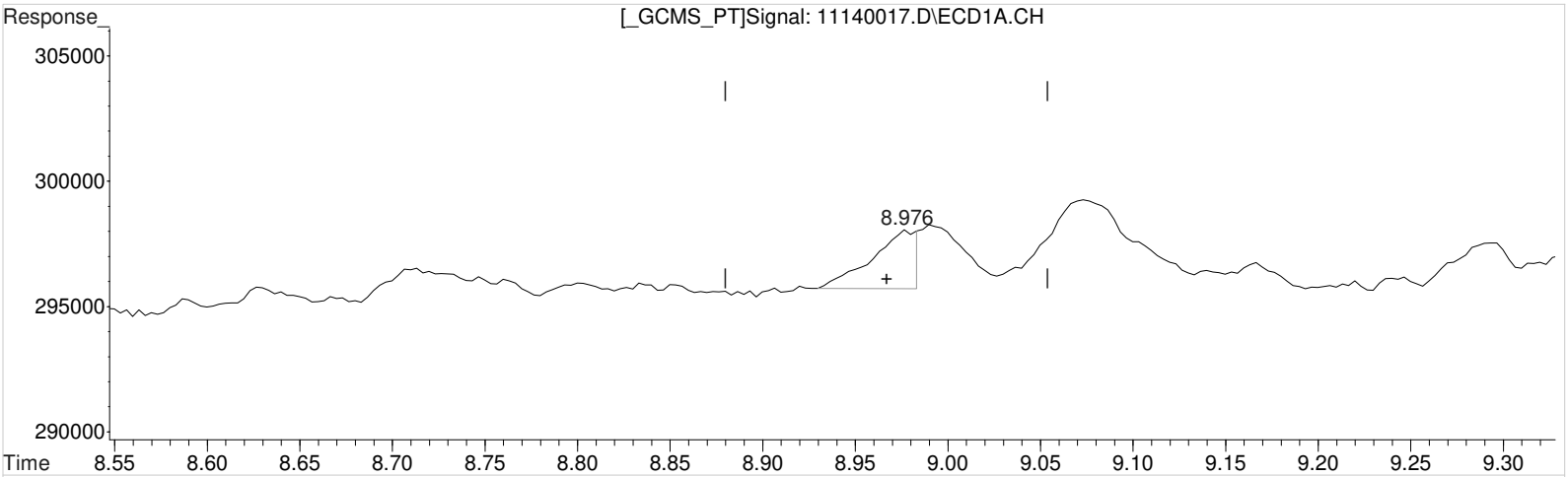
(+) = Expected Retention Time

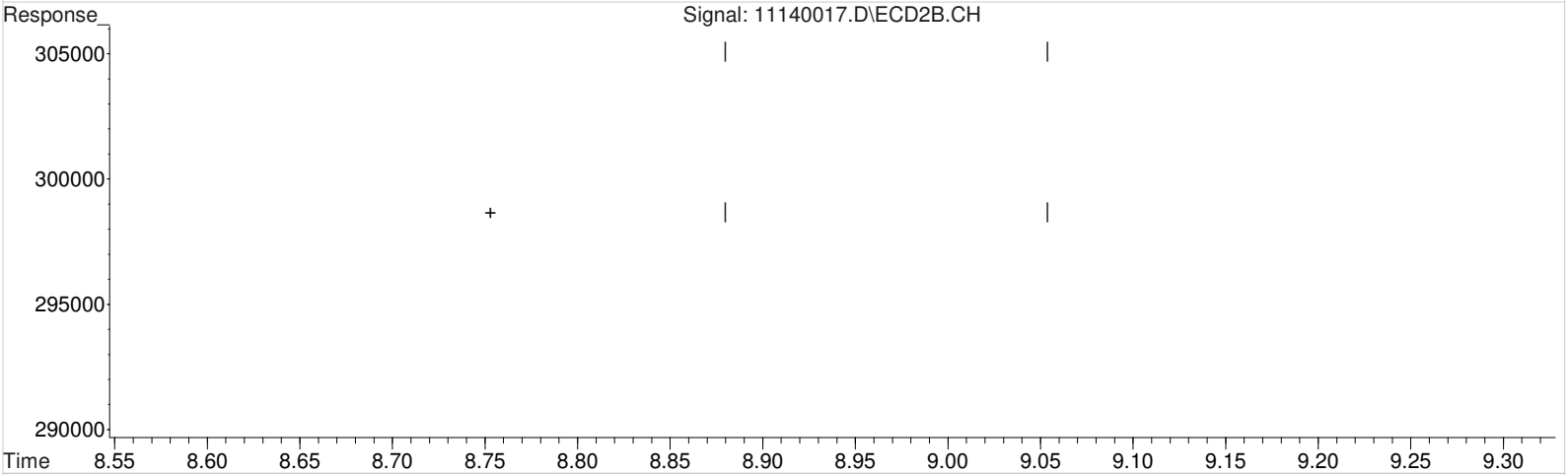
1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140017.D Vial: 1
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 8:23 pm Operator: UA
Sample : IB Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 11:24:33 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(6) Dichloroprop (m)

8.976min 0.212 ppb

response 3955

Manual Integration:

Before

11/16/20

(6) Dichloroprop #2 (m)

8.753min 0.135 ppb

response 5629

(+) = Expected Retention Time

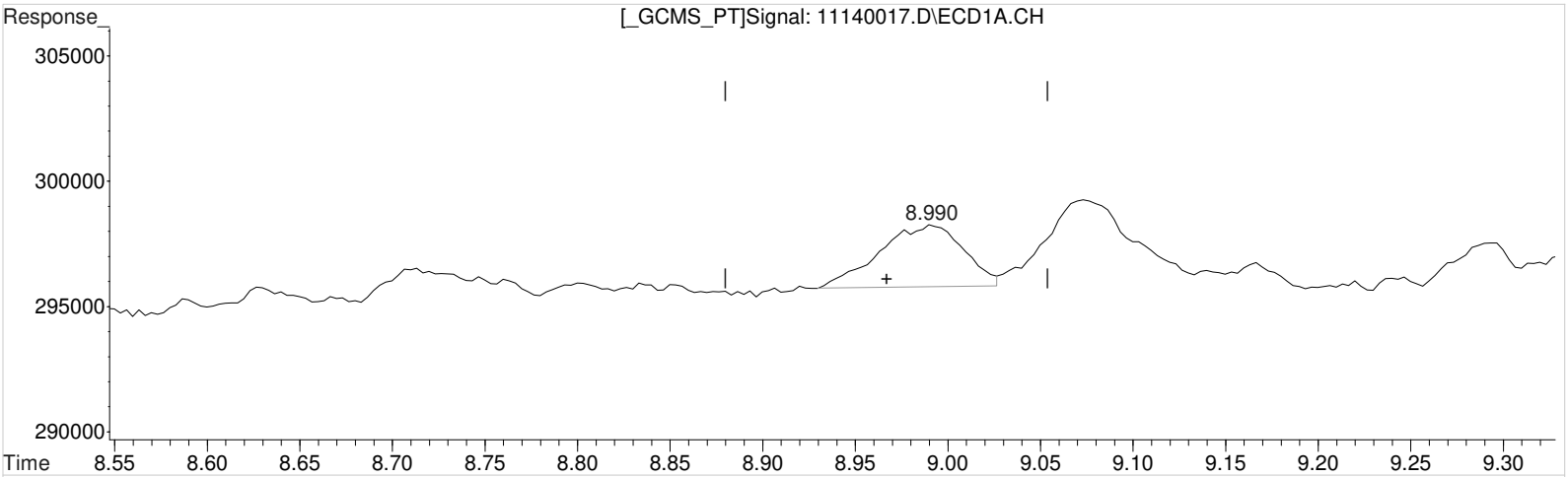
Quantitation Report (Qedit)

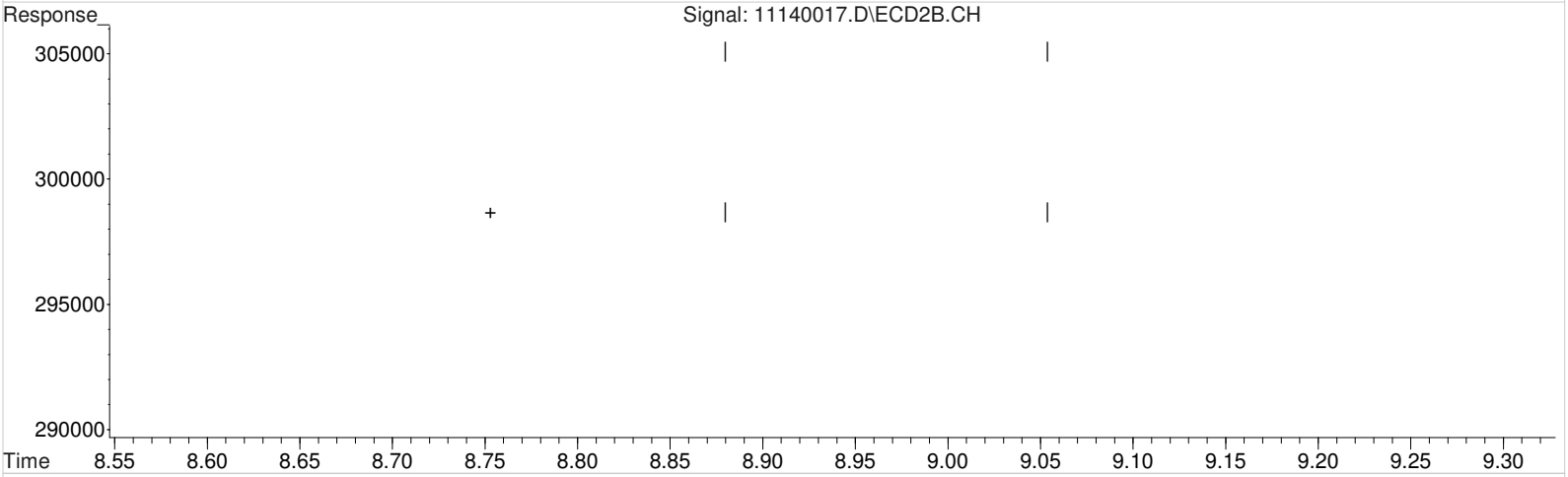
1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140017.D Vial: 1
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 8:23 pm Operator: UA
Sample : IB Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 11:24:33 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(6) Dichloroprop (m)

8.990min 0.420 ppb m

response 7831

(6) Dichloroprop #2 (m)

8.753min 0.135 ppb

response 5629

Manual Integration:

After

Baseline/Shoulder

11/16/20

(+) = Expected Retention Time

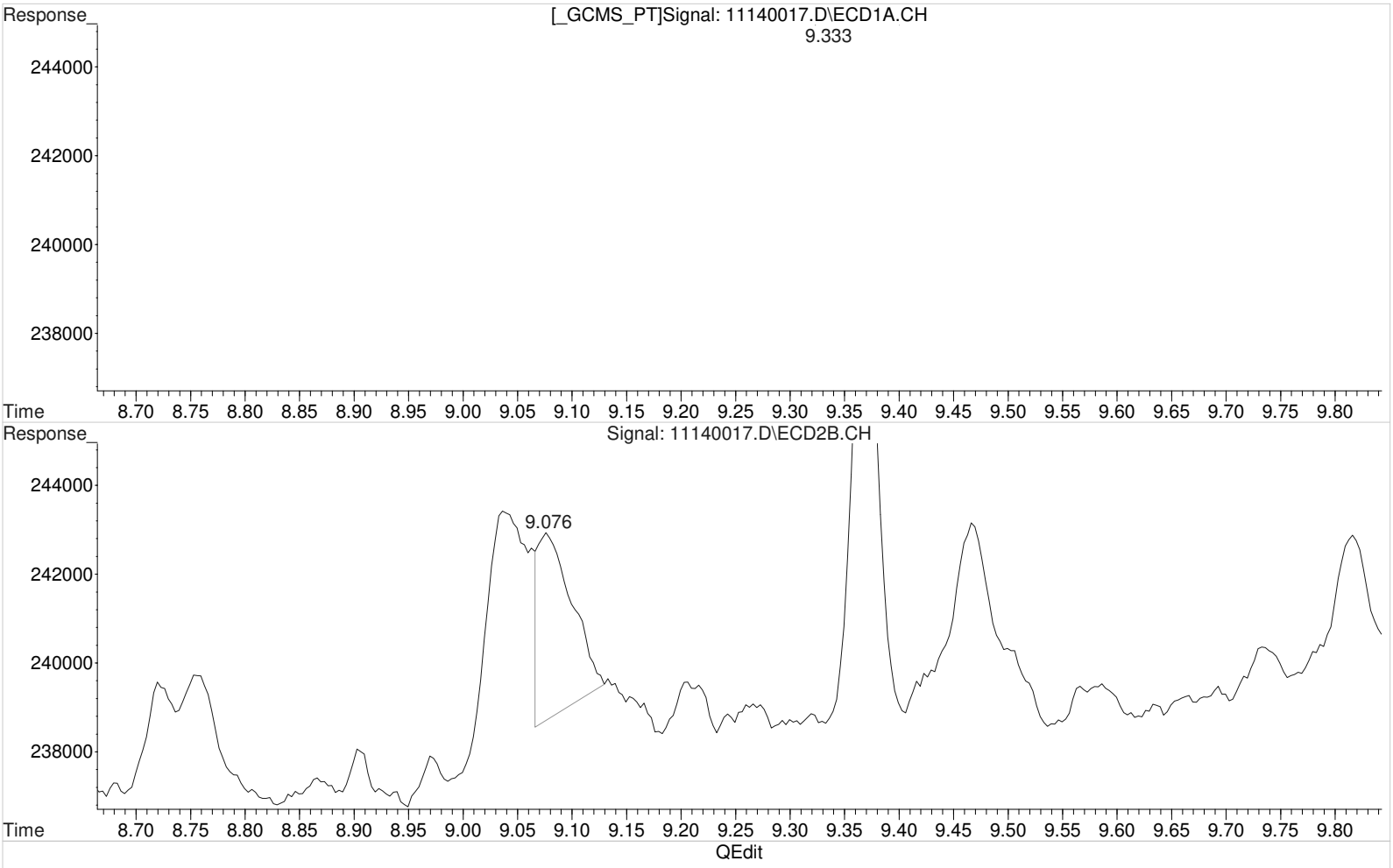
Quantitation Report (Qedit)

1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140017.D Vial: 1
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 8:23 pm Operator: UA
Sample : IB Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 11:24:33 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm



QEdit

(7) 2,4-D (m)

9.333min 0.141 ppb

response 2999

(7) 2,4-D #2 (m)

9.076min 0.174 ppb

response 8903

Manual Integration:

Before

11/16/20

(+) = Expected Retention Time

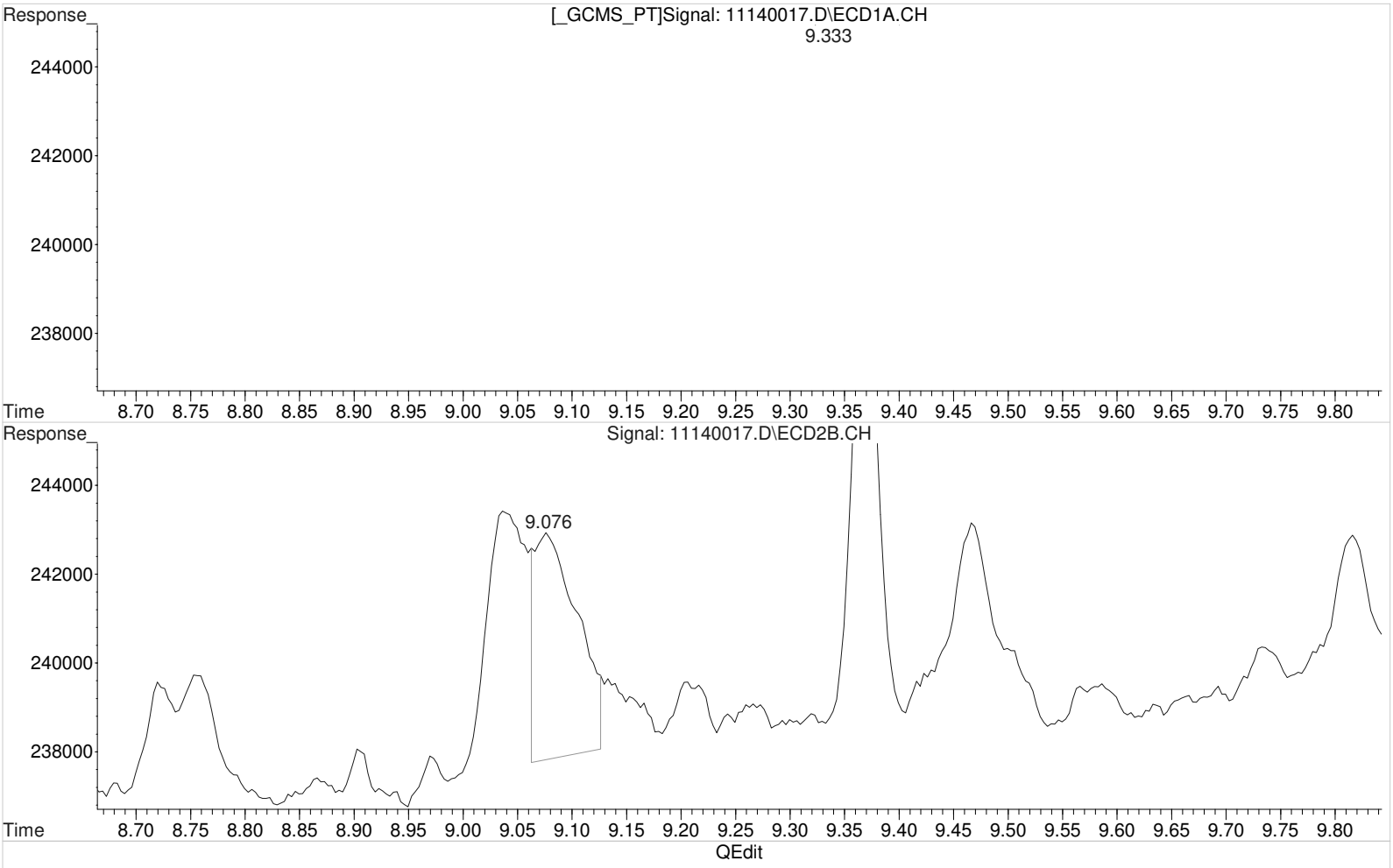
Quantitation Report (Qedit)

1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140017.D Vial: 1
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 8:23 pm Operator: UA
Sample : IB Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 11:24:33 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm



QEdit

(7) 2,4-D (m)

9.333min 0.141 ppb

response 2999

(7) 2,4-D #2 (m)

9.076min 0.269 ppb m

response 13781

Manual Integration:

After

Baseline/Shoulder

11/16/20

(+) = Expected Retention Time

1st 11/16/20
2nd UA 11/17/20

Validation Report

Data File: J:\gc24\data\111420\11140029.D\
Lab ID: KQ2018066-06
RunType: CCB
Matrix: Sediment

Date Acquired: 11/14/20 00:58:00
Batch ID: 703599
Analysis Method: 8151A/HERB

Validations

Validation Categories	Pass	Fail
ICAL Analyte Recovery	X	
Second Source ICAL Verification	X	
Continuing Calibration Recovery		X
Continuing Calibration Recovery (Closing)		X
Surrogates	X	
Above Highest ICAL Level	X	
Analyte Coelutions	X	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
Continuing Calibration Recovery - ZB-XLB-HT	2,4,5-TP (Silvex)	24		20	CCV+ND
	Dinoseb	21		20	
	MCPA	27		20	
	MCPP	27		20	
Continuing Calibration Recovery (Closing) - ZB-XLB-HT	MCPA	23		20	
	MCPP	24		20	

Primary Review: _____

Secondary Review: _____

1st 11/16/20
2nd UA 11/17/20

Quantitation Report

Data File:	J:\gc24\data\111420\11140029.D\	**Instrument:**	K-GC-24
Acqu Date:	11/14/20 00:58:00	**Vial:**	6
Run Type:	CCB	**Dilution:**	1
Lab ID:	KQ2018066-06	**Raw Units:**	ppb

Bottle ID:		**Tier:**	IV	**Matrix:**	Sediment
Prod Code:	HERB	**Collect Date:**	10/28/20	**Receive Date:**	11/3/20

Analysis Lot:	703599	**Prep Lot:**		**Report Group:**	KQ2018066
Analysis	8151A	**Prep Method:**			
		Prep Date:			

Title:	Chlorinated Herbicides by GC	**Calibration ID:**	KC2000566
		Report List ID:	18726

Surrogate Compounds

Parameter Name	RT 1	RT 2	Resp 1	Resp 2	Solution Conc 1	Solution Conc 2	% Rec 1	% Rec 2	% Rec	% Rec Criteria	Rpt?
2,4-Dichlorophenylacetic Acid	8.02 +0.04	7.84 +0.03	12574	40289	0.691	0.953				26 - 127	Y

Target Compounds

Final Conc.Units: ug/Kg

Parameter Name	RT 1	RT 2	Resp 1	Resp 2	Solution Conc 1	Solution Conc 2	Final Conc 1	Final Conc 2	Primary Conc	Rpt?
2,4,5-T	0.00	0.00	0	0	0.000	0.000	0U	0U	4.0 U	Y
2,4,5-TP (Silvex)	10.27 +0.02	10.10 -0.03	7832	529394	0.084	2.608 CCV	0.14U	4.3J	2.4 U	Y
2,4-D	9.30 -0.01	9.05 -0.01	5301	17523	0.250	0.342	0.42U	0.57U	7.7 U	Y
2,4-DB	0.00	0.00	0	0	0.000	0.000	0U	0U	5.4 U	Y
Dalapon	0.00	0.00	0	0	0.000	0.000	0U	0U	5.5 U	Y
Dicamba	0.00	0.00	0	0	0.000	0.000	0U	0U	4.3 U	Y
Dichlorprop	0.00	0.00	0	0	0.000	0.000	0U	0U	3.4 U	Y
Dinoseb	0.00	0.00	0	0	0.000	0.000 CCV	0U	0U	2.7 U	Y
MCPA	0.00	0.00	0	0	0.000	0.000 CCV	0U	0U	320 U	Y
MCPP	0.00	0.00	0	0	0.000	0.000 CCV	0U	0U	460 U	Y

Prep Amount:	30.00 g	**Dilution:**	1
Prep Final Amount:	50.00 mL	**Basis Factor:**	100.00

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

Printed: 11/17/20 15:41
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Quantitation Report (QT Reviewed)

1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140029.D Vial: 1
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 12:58 am Operator: UA
Sample : IB Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 16:54:41 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
2) s	2,4-Dichl...	8.017	7.837	12574	40289	0.691	0.953 #
	Target Compounds						
1) m	Dalapon	0.000	0.000	0	0	N.D. d	N.D. d
3) m	Dicamba	0.000	0.000	0	0	N.D. d	N.D. d
4) m	MCPP	0.000	0.000	0	0	N.D. d	N.D. d
5) m	MCPA	0.000	0.000	0	0	N.D. d	N.D. d
6) m	Dichloroprop	0.000	0.000	0	0	N.D. d	N.D. d
7) m	2,4-D	9.304	9.053	5301	17523	0.250	0.342 #
8) m	2,4,5-TP ...	10.271	10.097	7832	529394	0.084	2.608 #
9) m	2,4,5-T	0.000	0.000	0	0	N.D. d	N.D. d
10) m	2,4-DB	0.000	0.000	0	0	N.D. d	N.D. d
11) m	Dinoseb	0.000	0.000	0	0	N.D. d	N.D. d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

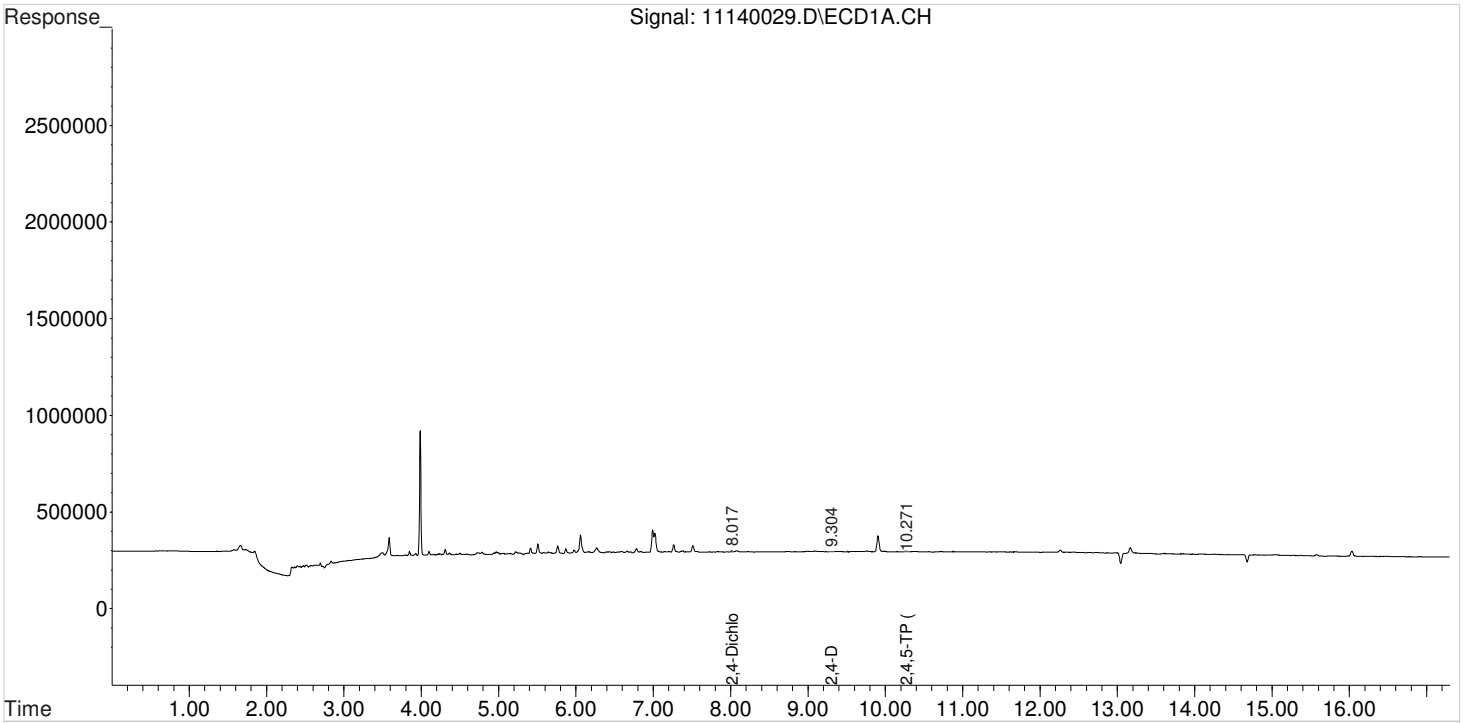
Quantitation Report (QT Reviewed)

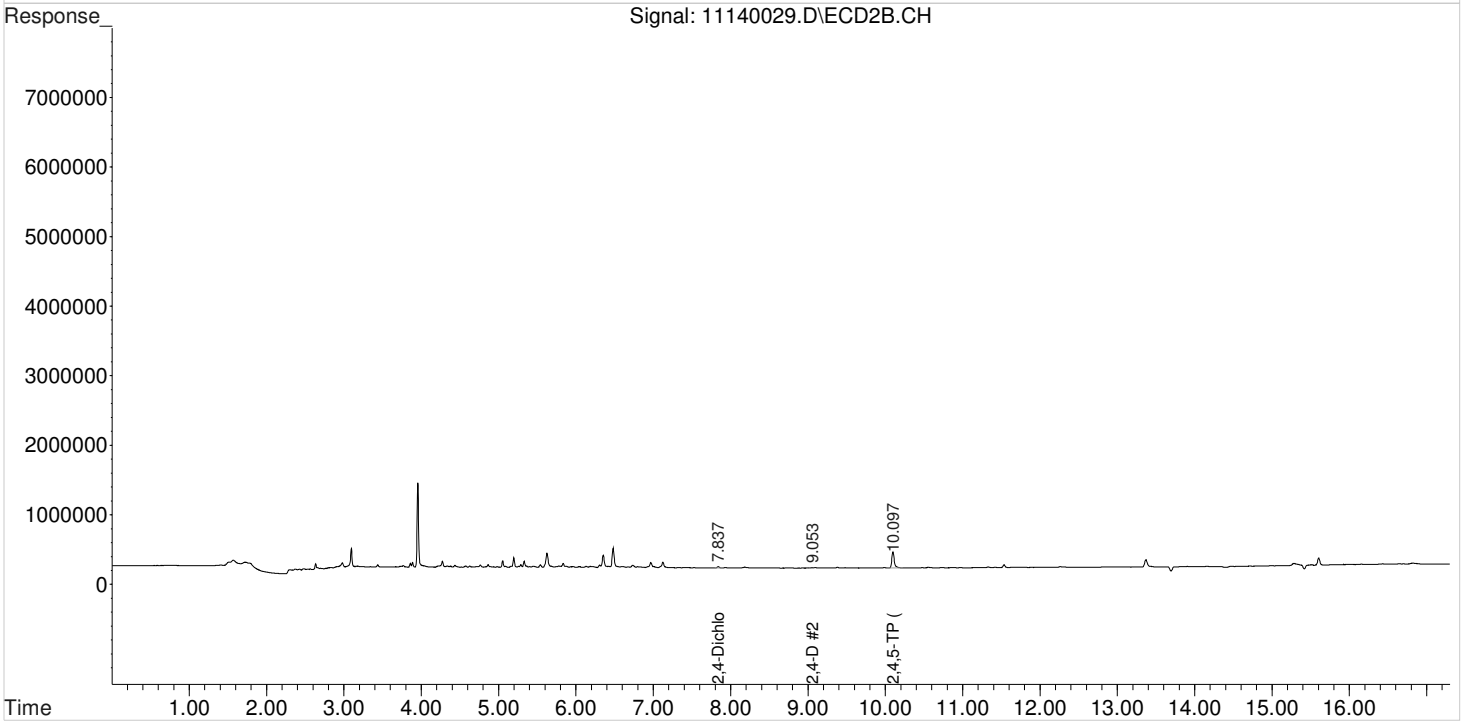
1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140029.D Vial: 1
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 12:58 am Operator: UA
Sample : IB Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 16:54:41 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





1st 11/16/20
2nd UA 11/17/20

Validation Report

Data File: J:\gc24\data\111420\11140003.D\
Lab ID: KQ2018066-01
RunType: CCV
Matrix: Sediment

Date Acquired: 11/14/20 15:01:00
Batch ID: 703599
Analysis Method: 8151A/HERB

Validations

Validation Categories	Pass	Fail
ICAL Analyte Recovery	X	
Second Source ICAL Verification	X	
Above Highest ICAL Level	X	
Analyte Coelutions	X	

Primary Review: _____

Printed: 11/17/20 15:41
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Secondary Review: _____

1st 11/16/20
2nd UA 11/17/20

Quantitation Report

Data File:	J:\gc24\data\111420\11140003.D\	**Instrument:**	K-GC-24
Acqu Date:	11/14/20 15:01:00	**Vial:**	1
Run Type:	CCV	**Dilution:**	1
Lab ID:	KQ2018066-01	**Raw Units:**	ppb

Bottle ID:		**Tier:**	IV	**Matrix:**	Sediment
Prod Code:	HERB	**Collect Date:**	10/28/20	**Receive Date:**	11/3/20

Analysis Lot:	703599	**Prep Lot:**		**Report Group:**	KQ2018066
Analysis	8151A	**Prep Method:**			
		Prep Date:			

Title:	Chlorinated Herbicides by GC	**Calibration ID:**	KC2000566
		Report List ID:	18726

Surrogate Compounds

Parameter Name	RT 1	RT 2	Resp 1	Resp 2	Solution Conc 1	Solution Conc 2	% Rec 1	% Rec 2	Rpt?
2,4-Dichlorophenylacetic Acid	8.00	7.82	1711479	4093263	94.055	96.772			Y

Target Compounds

Parameter Name	RT 1	RT 2	Resp 1	Resp 2	Solution Conc 1	Solution Conc 2	Final Conc 1	Final Conc 2	Rpt?
2,4,5-T	10.71	10.54	7549802	20039956	91.502	104.720	91.5	105	Y
2,4,5-TP (Silvex)	10.26	10.14	9246081	23100755	98.697	113.798	98.7	114	Y
2,4-D	9.32	9.07	2073464	5313325	97.620	103.779	97.6	104	Y
2,4-DB	11.29	11.18	913059	2815341	88.997	97.028	89.0	97.0	Y
Dalapon	3.13	2.88	2372036	4738259	97.782	98.075	97.8	98.1	Y
Dicamba	8.22	7.93	6737865	15175978	96.531	102.393	96.5	102	Y
Dichlorprop	8.97	8.76	1810799	4375002	97.105	104.878	97.1	105	Y
Dinoseb	11.69	11.33	5755524	14779744	93.032	108.073	93.0	108	Y
MCPA	8.57	8.36	606495	2527823	10358.136	11481.363	10400	11500	Y
MCPP	8.30	8.11	442930	1889159	10040.264	11637.949	10000	11600	Y

Prep Amount:	30.00 g	**Dilution:**	1
Prep Final Amount:	50.00 mL	**Basis Factor:**	100.00

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

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Quantitation Report (QT Reviewed)

1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140003.D Vial: 2
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 3:01 pm Operator: UA
Sample : PENTA2-14N 100PB Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 15:35:33 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm

		Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
		System Monitoring Compounds						
2)	s	2,4-Dichl...	7.996	7.823	1711479	4093263	94.055m	96.772
		Target Compounds						
1)	m	Dalapon	3.126	2.879	2372036	4738259	97.782m	98.075m
3)	m	Dicamba	8.216	7.926	6737865	15175978	96.531	102.393
4)	m	MCPP	8.303	8.113	442930	1889159	10040.264	11637.949
5)	m	MCPA	8.566	8.359	603555	2527823	10307.924m	11481.363
6)	m	Dichloroprop	8.970	8.759	1810799	4375002	97.105	104.878
7)	m	2,4-D	9.323	9.069	2073464	5313325	97.620	103.779
8)	m	2,4,5-TP ...	10.263	10.136	9246081	23100755	98.697	113.798
9)	m	2,4,5-T	10.706	10.543	7549802	20039956	91.502	104.720
10)	m	2,4-DB	11.290	11.176	913059	2815341	88.997	97.028
11)	m	Dinoseb	11.686	11.326	5755524	14779744	93.032	108.073

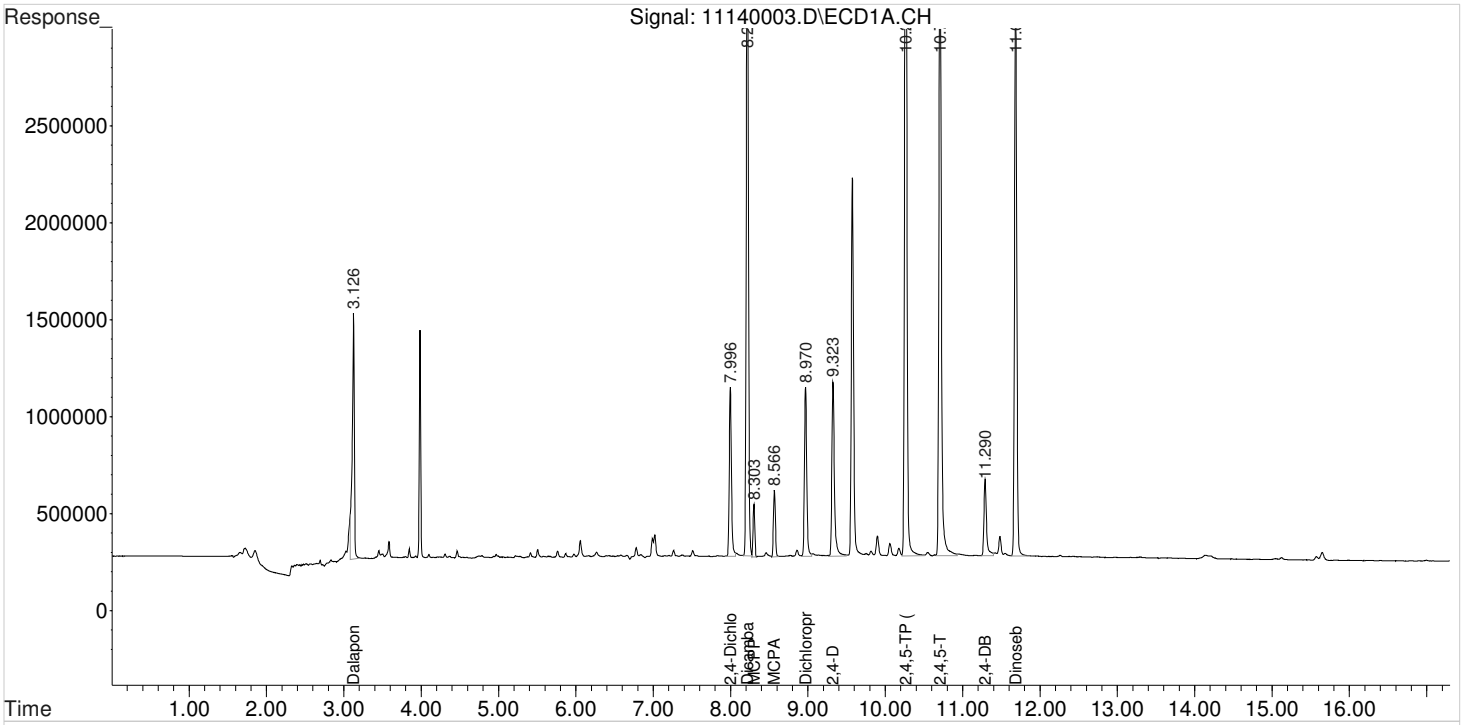
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

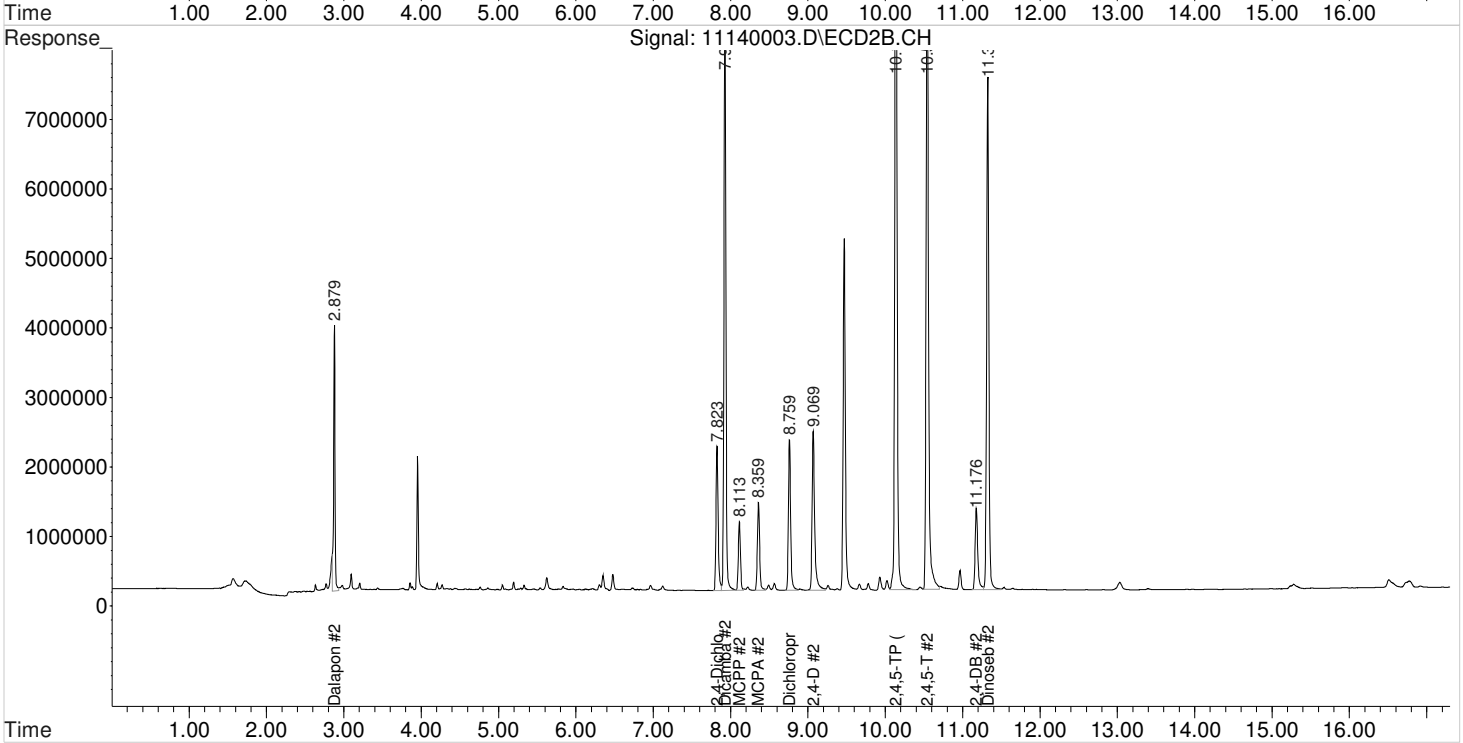
1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140003.D Vial: 2
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 3:01 pm Operator: UA
Sample : PENTA2-14N 100PB Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 15:35:33 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





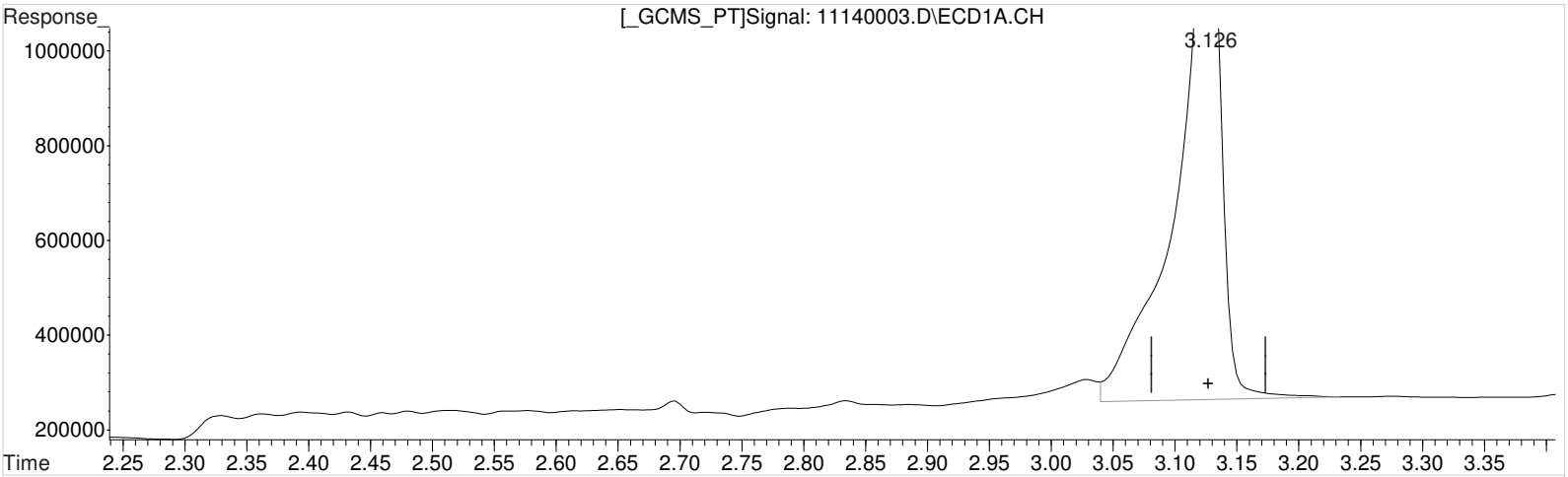
Quantitation Report (Qedit)

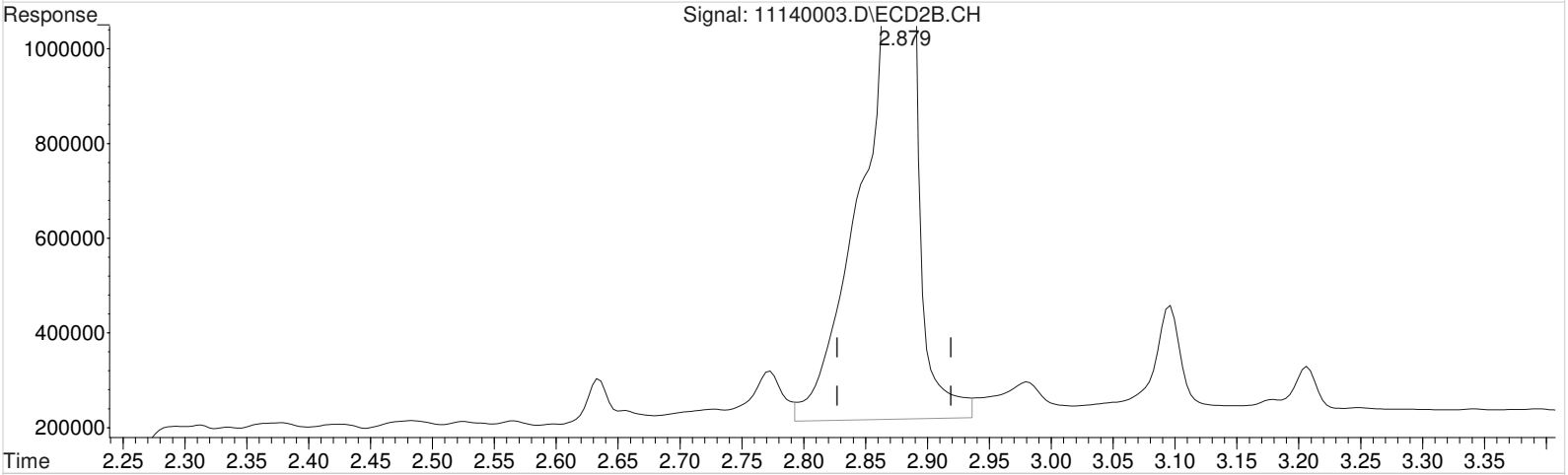
1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140003.D Vial: 2
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 3:01 pm Operator: UA
Sample : PENTA2-14N 100PB Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 14 14:32:33 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(1) Dalapon (m)

3.126min 113.389 ppb

response 2750646

(1) Dalapon #2 (m)

2.879min 116.530 ppb

response 5629888

Manual Integration:

Before

11/16/20

(+) = Expected Retention Time

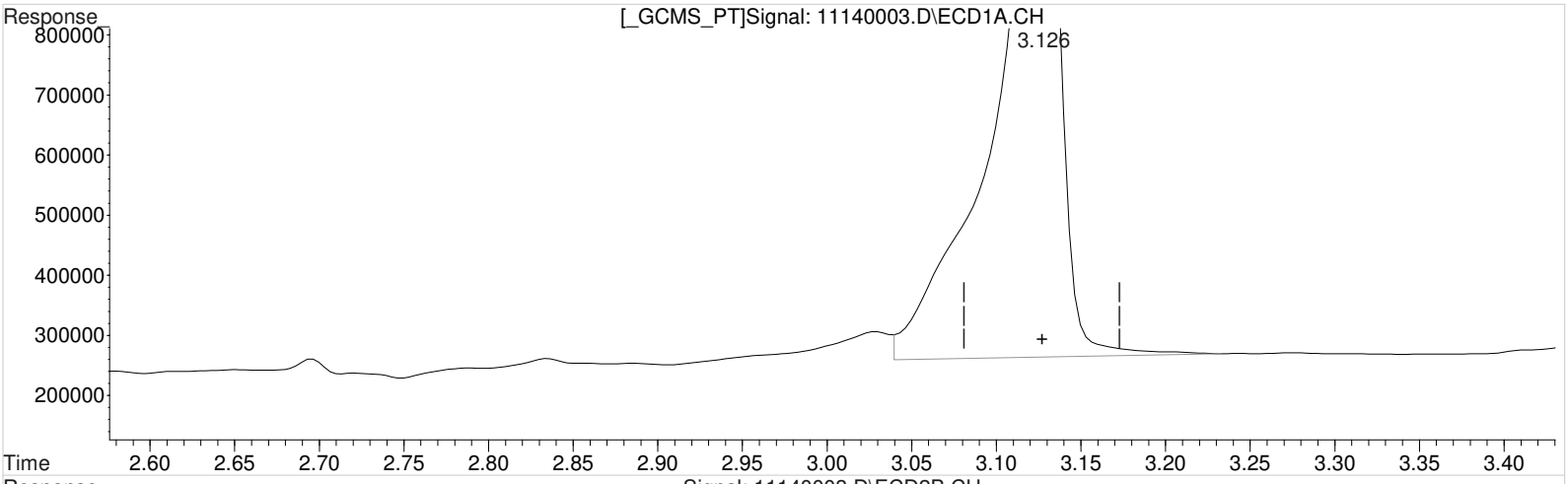
Quantitation Report (Qedit)

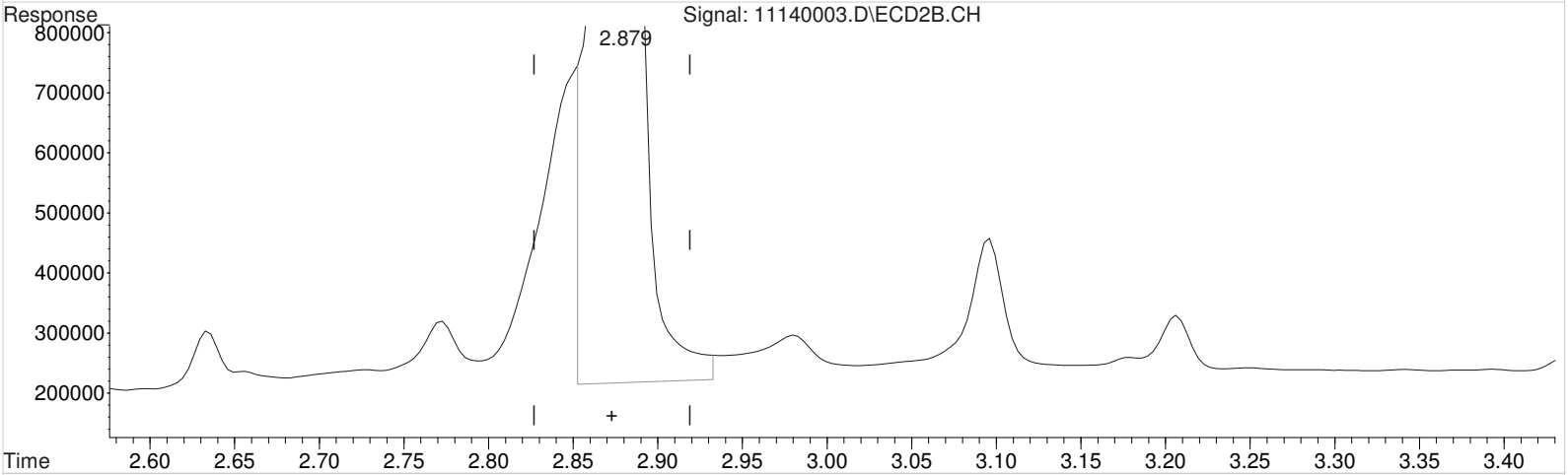
1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140003.D Vial: 2
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 3:01 pm Operator: UA
Sample : PENTA2-14N 100PB Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 11:32:06 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(1) Dalapon (m)

3.126min 113.389 ppb

response 2750646

(1) Dalapon #2 (m)

2.879min 98.075 ppb m

response 4738259

Manual Integration:

Before

11/16/20

(+) = Expected Retention Time

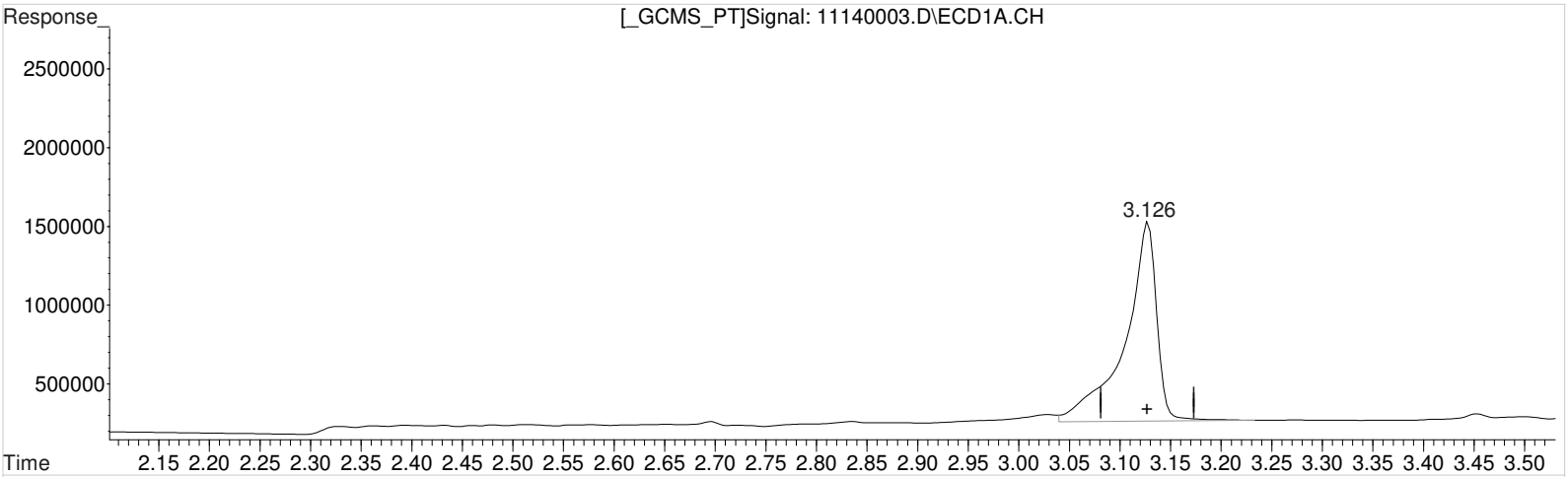
Quantitation Report (Qedit)

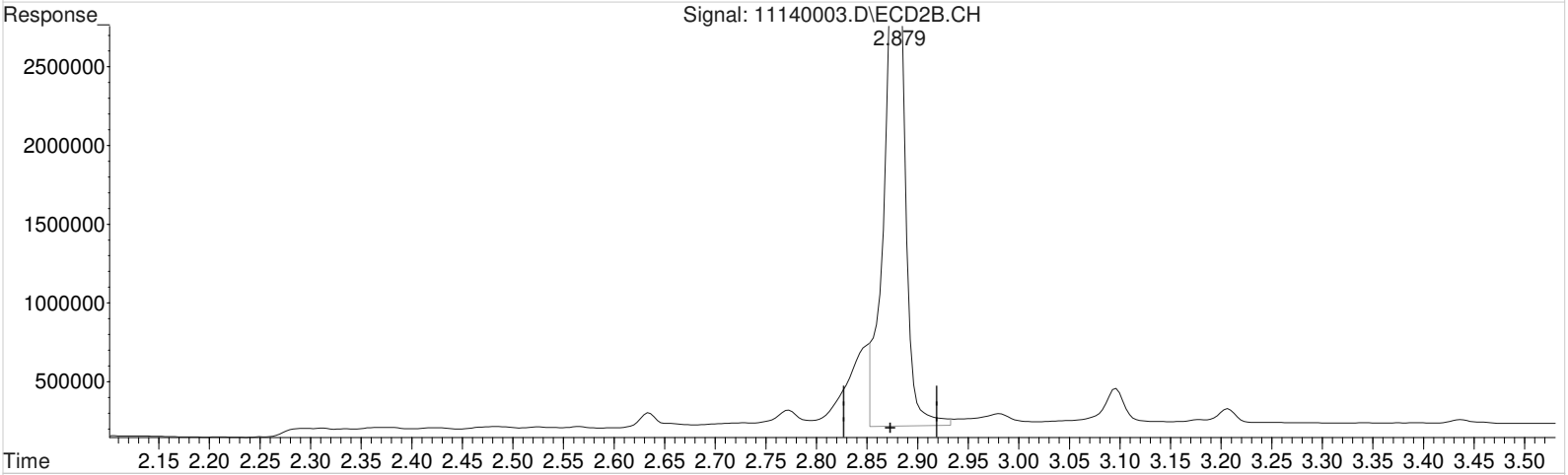
1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140003.D Vial: 2
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 3:01 pm Operator: UA
Sample : PENTA2-14N 100PB Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 14 14:32:33 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(1) Dalapon (m)

3.126min 113.389 ppb

response 2750646

(1) Dalapon #2 (m)

2.879min 98.075 ppb m

response 4738259

Manual Integration:

After

Baseline/Shoulder

11/16/20

(+) = Expected Retention Time

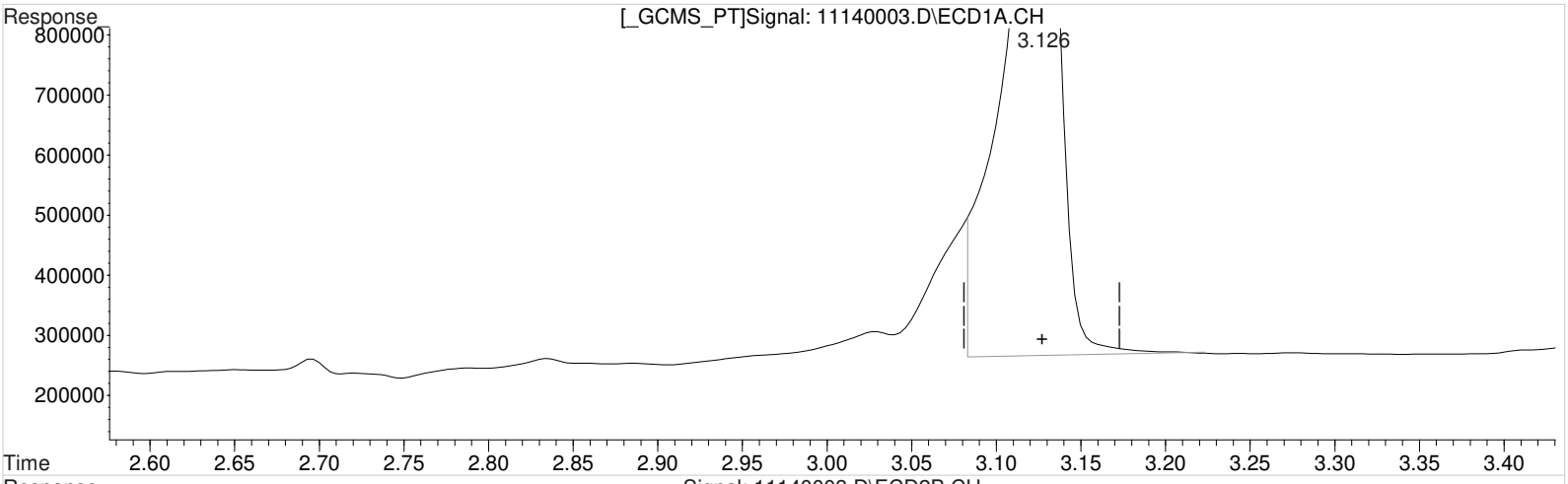
Quantitation Report (Qedit)

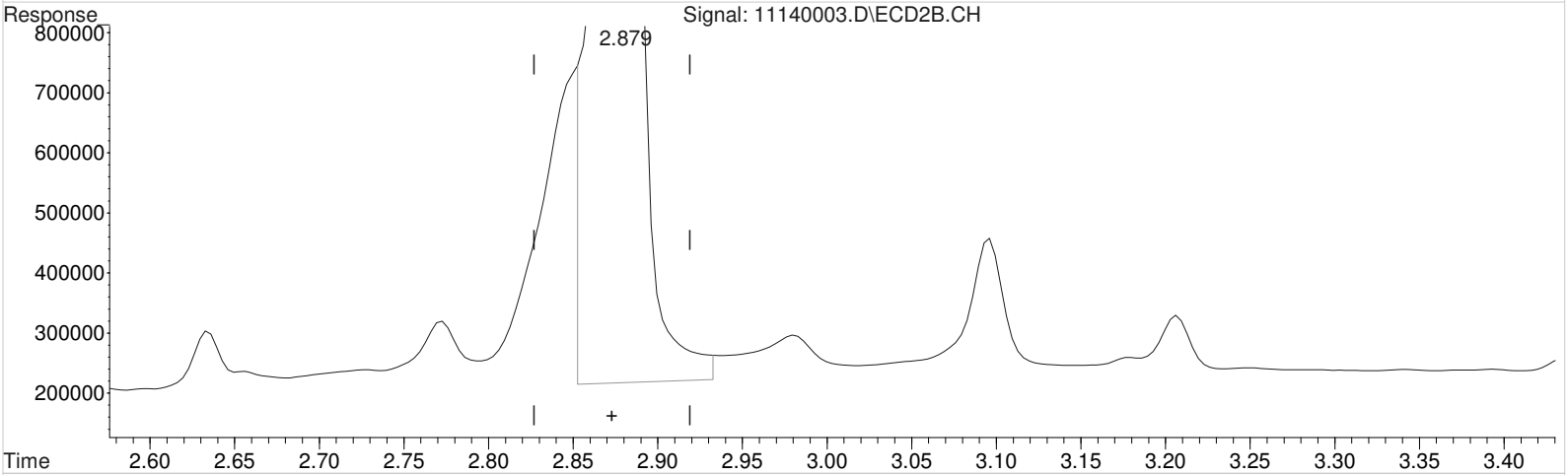
1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140003.D Vial: 2
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 3:01 pm Operator: UA
Sample : PENTA2-14N 100PB Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 11:32:06 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(1) Dalapon (m)

3.126min 97.782 ppb m

response 2372036

(1) Dalapon #2 (m)

2.879min 98.075 ppb m

response 4738259

Manual Integration:

After

Baseline/Shoulder

11/16/20

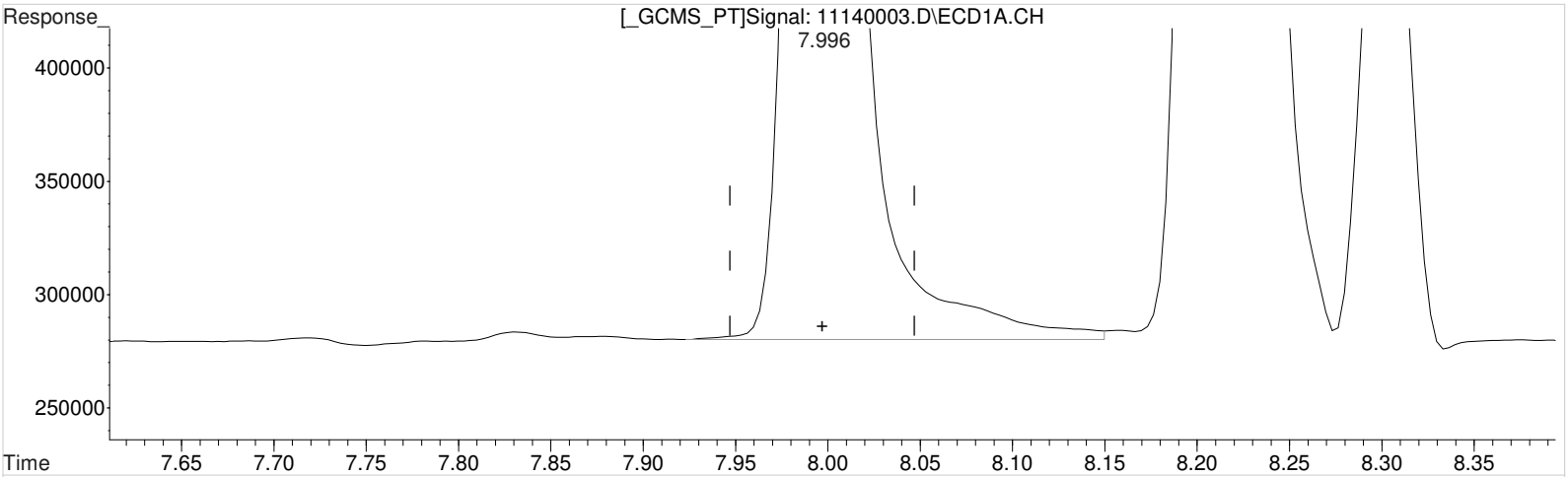
(+) = Expected Retention Time

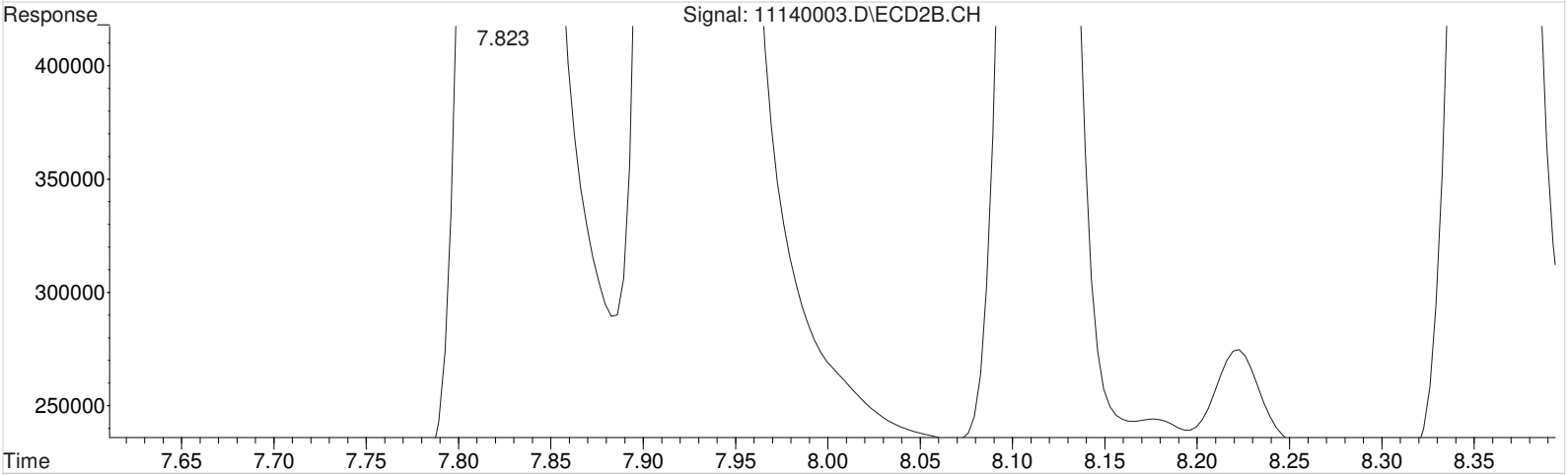
1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140003.D Vial: 2
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 3:01 pm Operator: UA
Sample : PENTA2-14N 100PB Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 14 14:32:33 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(2) 2,4-Dichlorophenylacetic Acid (s)

7.996min 96.551 ppb

response 1756903

(2) 2,4-Dichlorophenylacetic Acid #2 (s)

7.823min 96.772 ppb

response 4093263

Manual Integration:

Before

11/16/20

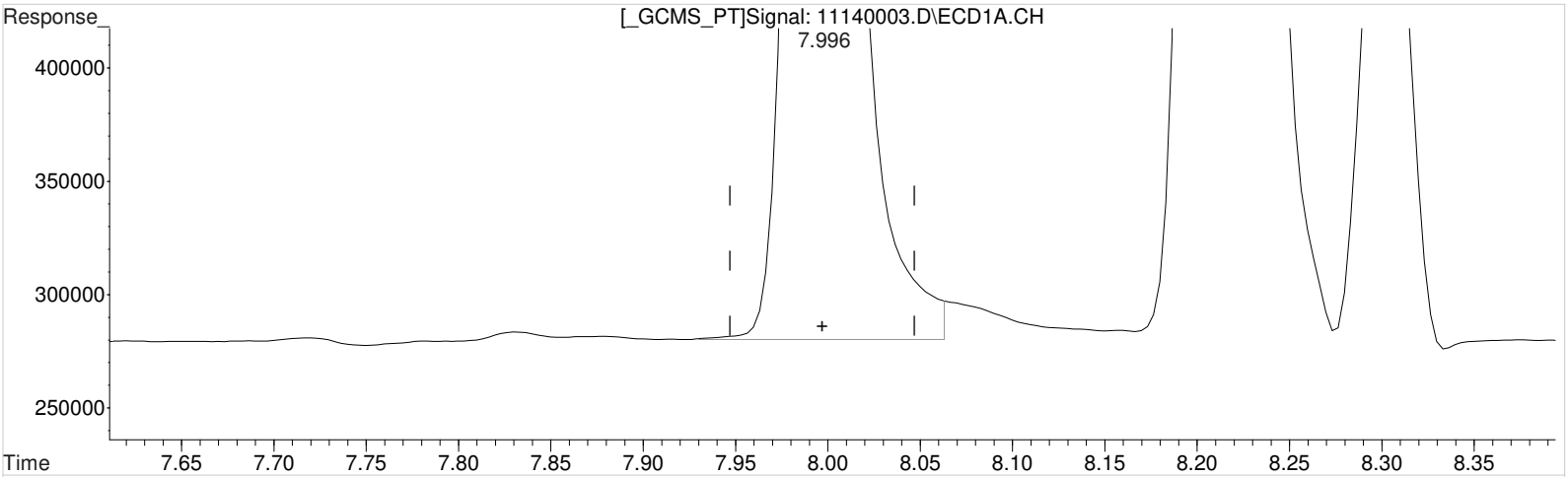
(+) = Expected Retention Time

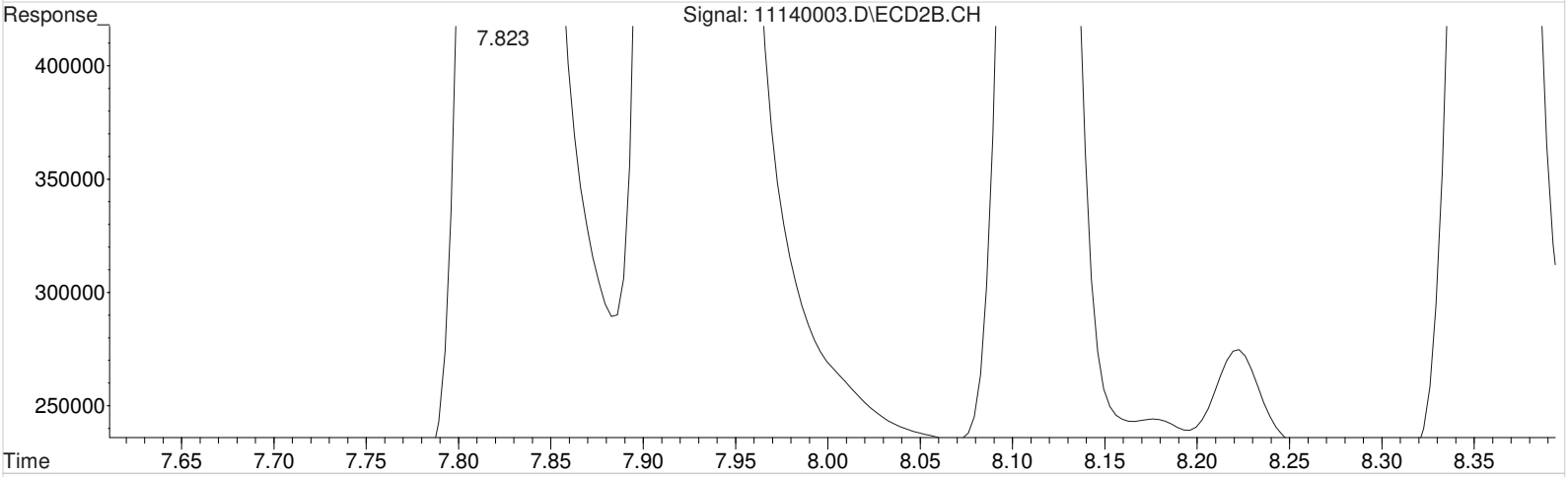
1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140003.D Vial: 2
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 3:01 pm Operator: UA
Sample : PENTA2-14N 100PB Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 14 14:32:33 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(2) 2,4-Dichlorophenylacetic Acid (s)

7.996min 94.055 ppb m

response 1711479

Manual Integration:

After

Baseline/Shoulder

11/16/20

(2) 2,4-Dichlorophenylacetic Acid #2 (s)

7.823min 96.772 ppb

response 4093263

(+) = Expected Retention Time

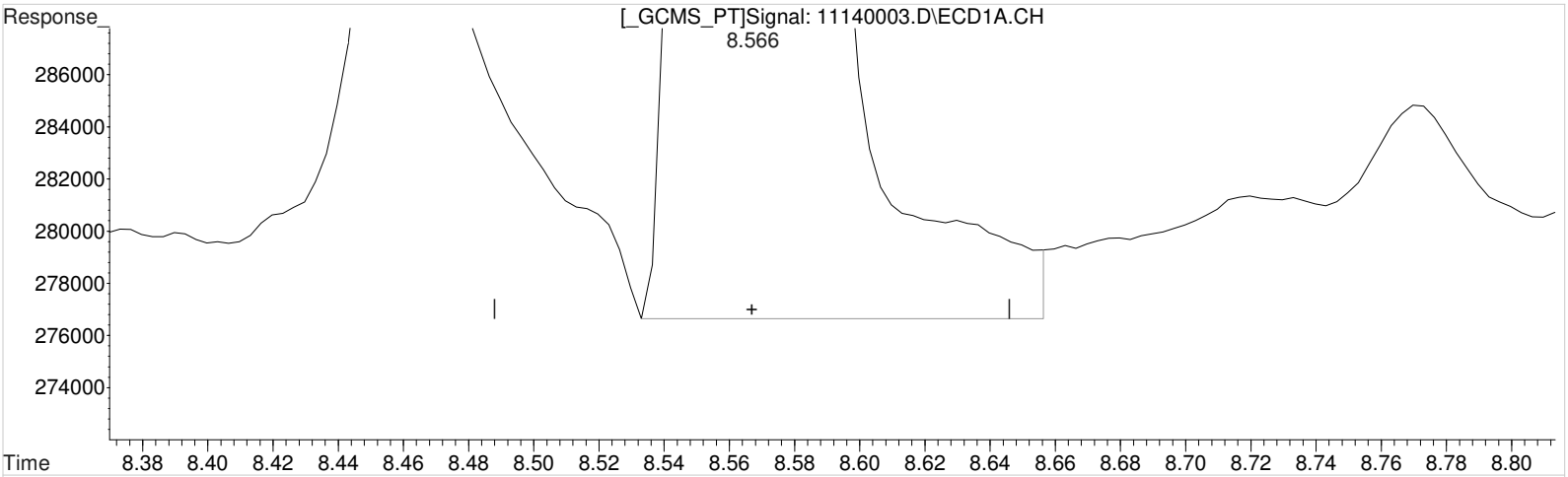
Quantitation Report (Qedit)

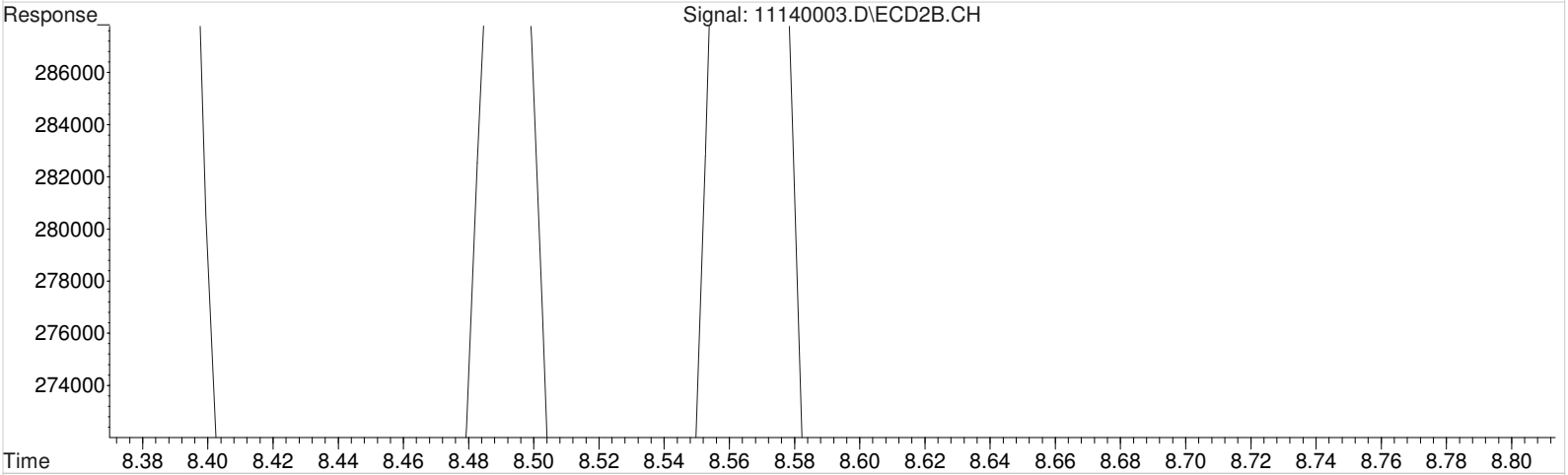
1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140003.D Vial: 2
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 3:01 pm Operator: UA
Sample : PENTA2-14N 100PB Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 14 14:32:33 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(5) MCPA (m)

8.566min 10521.391 ppb

response 616054

Manual Integration:

Before

11/16/20

(5) MCPA #2 (m)

8.359min 11481.363 ppb

response 2527823

(+) = Expected Retention Time

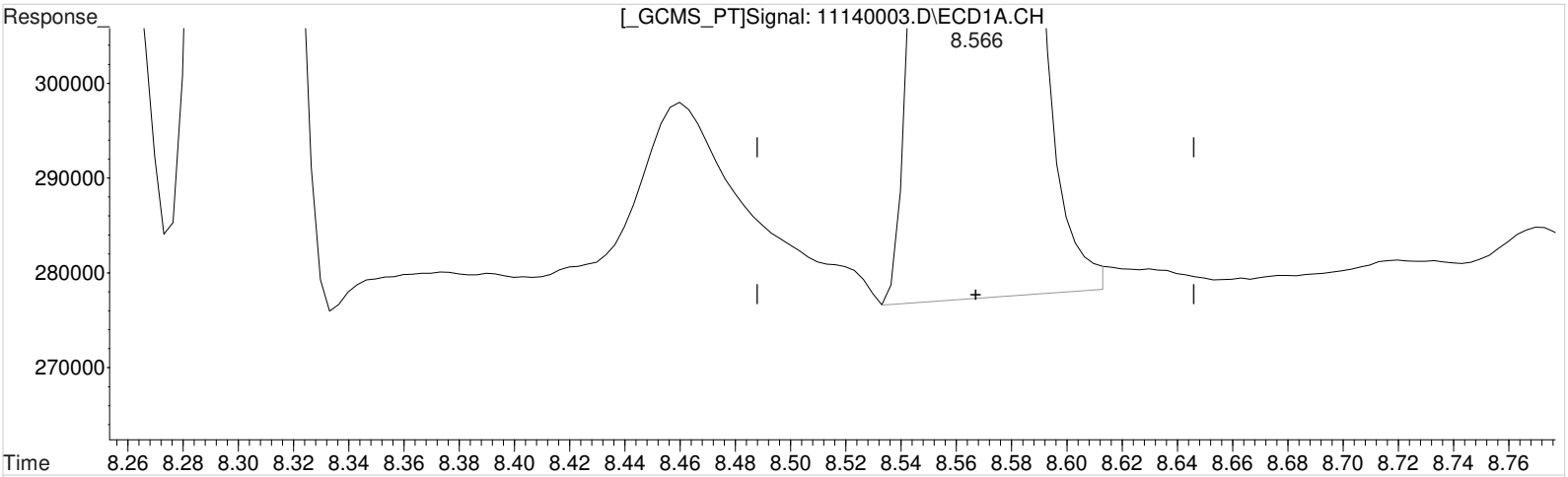
Quantitation Report (Qedit)

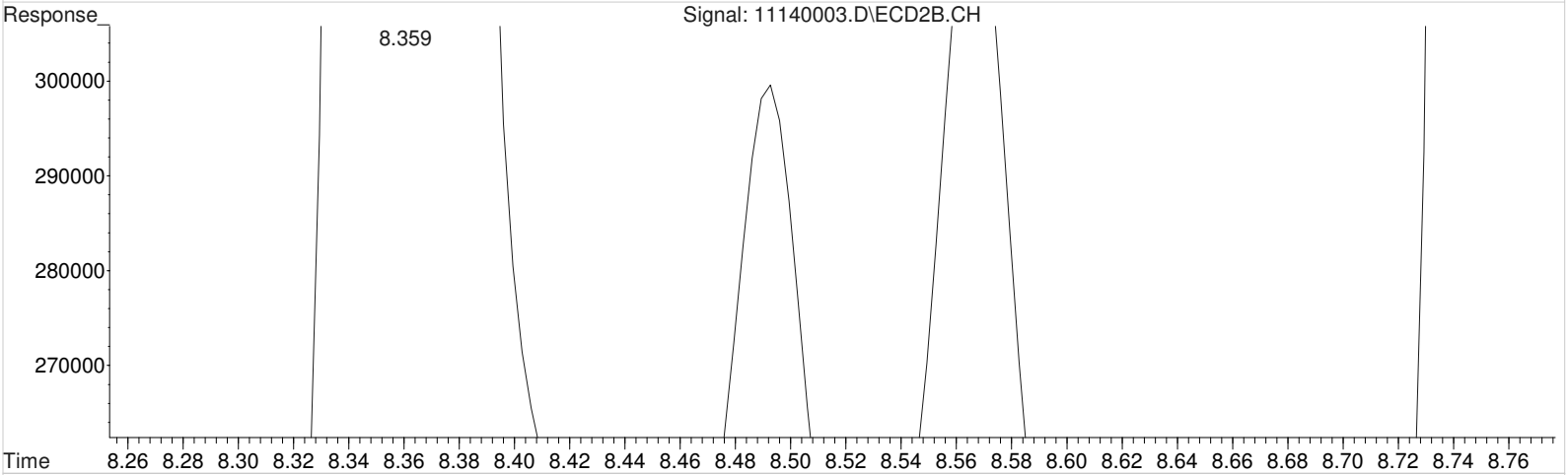
1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140003.D Vial: 2
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 3:01 pm Operator: UA
Sample : PENTA2-14N 100PB Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 11:52:33 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(5) MCPA (m)

8.566min 10307.924 ppb m

response 603555

(5) MCPA #2 (m)

8.359min 11481.363 ppb

response 2527823

Manual Integration:

After

Baseline/Shoulder

11/16/20

(+) = Expected Retention Time

1st 11/16/20
2nd UA 11/17/20

Validation Report

Data File: J:\gc24\data\111420\11140016.D\
Lab ID: KQ2018066-03
RunType: CCV
Matrix: Sediment

Date Acquired: 11/14/20 20:00:00
Batch ID: 703599
Analysis Method: 8151A/HERB

Validations

Validation Categories	Pass	Fail
ICAL Analyte Recovery	X	
Second Source ICAL Verification	X	
Above Highest ICAL Level	X	
Analyte Coelutions	X	

Primary Review: _____

Printed: 11/17/20 15:41
\\alprews001\starlims$\LIMSReps\QuantValidation.rpt

Secondary Review: _____

1st 11/16/20
2nd UA 11/17/20

Quantitation Report

Data File:	J:\gc24\data\111420\11140016.D\	**Instrument:**	K-GC-24
Acqu Date:	11/14/20 20:00:00	**Vial:**	3
Run Type:	CCV	**Dilution:**	1
Lab ID:	KQ2018066-03	**Raw Units:**	ppb

Bottle ID:		**Tier:**	IV	**Matrix:**	Sediment
Prod Code:	HERB	**Collect Date:**	10/28/20	**Receive Date:**	11/3/20

Analysis Lot:	703599	**Prep Lot:**		**Report Group:**	KQ2018066
Analysis	8151A	**Prep Method:**			
		Prep Date:			

Title:	Chlorinated Herbicides by GC	**Calibration ID:**	KC2000566
		Report List ID:	18726

Surrogate Compounds

Parameter Name	RT 1	RT 2	Resp 1	Resp 2	Solution Conc 1	Solution Conc 2	% Rec 1	% Rec 2	Rpt?
2,4-Dichlorophenylacetic Acid	7.98	7.81	1851435	4246345	101.746	100.391			Y

Target Compounds

Parameter Name	RT 1	RT 2	Resp 1	Resp 2	Solution Conc 1	Solution Conc 2	Final Conc 1	Final Conc 2	Rpt?
2,4,5-T	10.69	10.53	7906820	21082606	95.829	110.168	95.8	110	Y
2,4,5-TP (Silvex)	10.25	10.12	9556816	23699921	102.014	116.749	102	117	Y
2,4-D	9.31	9.05	2096341	5520828	98.697	107.832	98.7	108	Y
2,4-DB	11.27	11.16	962381	3028352	93.805	104.369	93.8	104	Y
Dalapon	3.12	2.88	2440512	4756091	100.605	98.444	101	98.4	Y
Dicamba	8.20	7.91	7038248	15740042	100.835	106.199	101	106	Y
Dichlorprop	8.95	8.75	1846485	4529566	99.019	108.583	99.0	109	Y
Dinoseb	11.67	11.31	5922678	15331559	95.734	112.108	95.7	112	Y
MCPA	8.55	8.35	600646	2582467	10258.242	11770.171	10300	11800	Y
MCPP	8.29	8.10	436898	1898350	9910.460	11701.472	9910	11700	Y

Prep Amount:	30.00 g	**Dilution:**	1
Prep Final Amount:	50.00 mL	**Basis Factor:**	100.00

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

Printed: 11/17/20 15:41
\\alprews001\starlims$\LIMSReps\QuantValidation.rpt

Quantitation Report (QT Reviewed)

1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140016.D Vial: 2
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 8:00 pm Operator: UA
Sample : PENTA2-14N 100PB Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 11:56:56 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm

		Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
		System Monitoring Compounds						
2)	s	2,4-Dichl...	7.985	7.811	1851435	4246345	101.746	100.391
		Target Compounds						
1)	m	Dalapon	3.125	2.878	2440512	4756091	100.605m	98.444
3)	m	Dicamba	8.205	7.915	7038248	15740042	100.835	106.199
4)	m	MCPP	8.292	8.105	436898	1898350	9910.460	11701.472
5)	m	MCPA	8.555	8.348	600646	2582467	10258.242m	11770.171
6)	m	Dichloroprop	8.955	8.748	1846485	4529566	99.019	108.583
7)	m	2,4-D	9.312	9.055	2096341	5520828	98.697	107.832
8)	m	2,4,5-TP ...	10.252	10.125	9556816	23699921	102.014	116.749m
9)	m	2,4,5-T	10.695	10.528	7906820	21082606	95.829	110.168
10)	m	2,4-DB	11.275	11.161	962381	3028352	93.805	104.369
11)	m	Dinoseb	11.668	11.311	5922678	15331559	95.734	112.108

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140016.D Vial: 2
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 8:00 pm Operator: UA
Sample : PENTA2-14N 100PB Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 11:56:56 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
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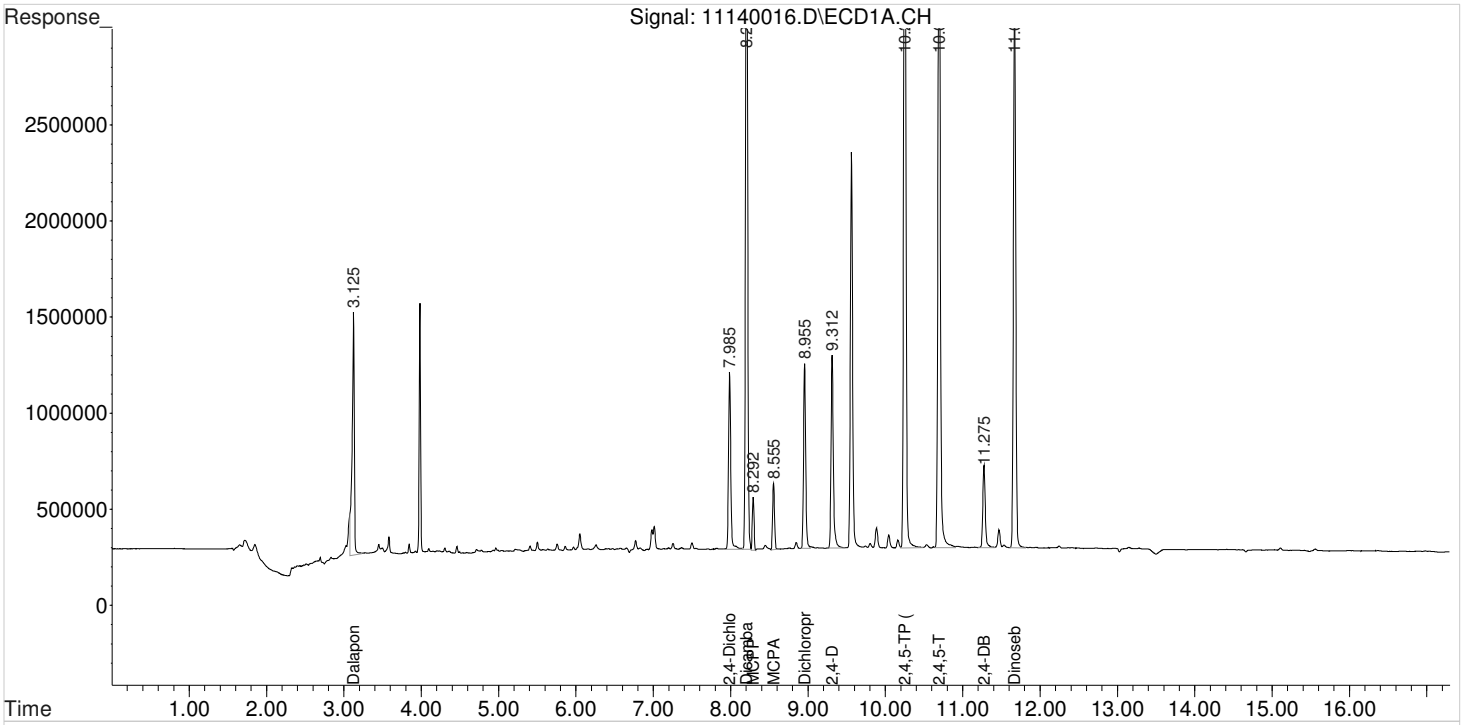
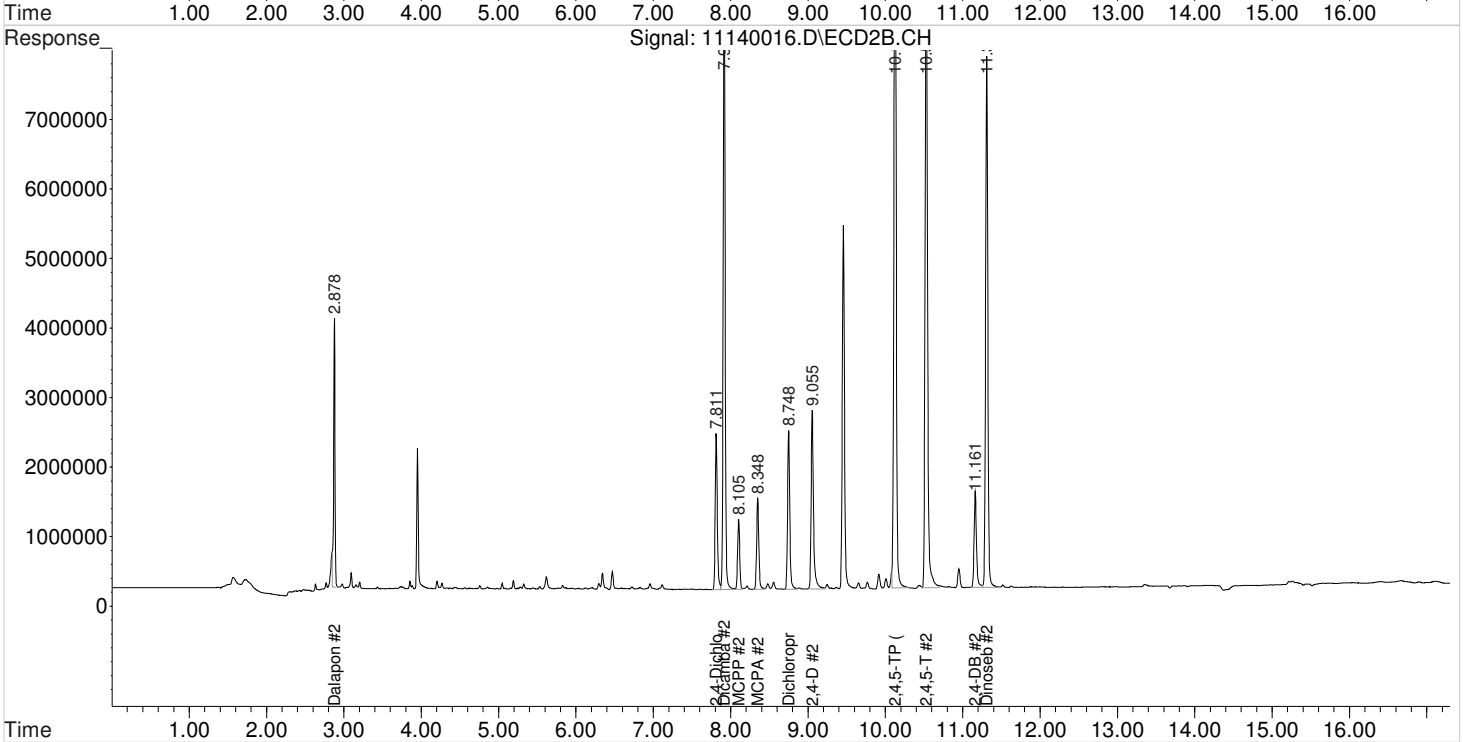
Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





Quantitation Report (Qedit)

1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140016.D Vial: 2
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
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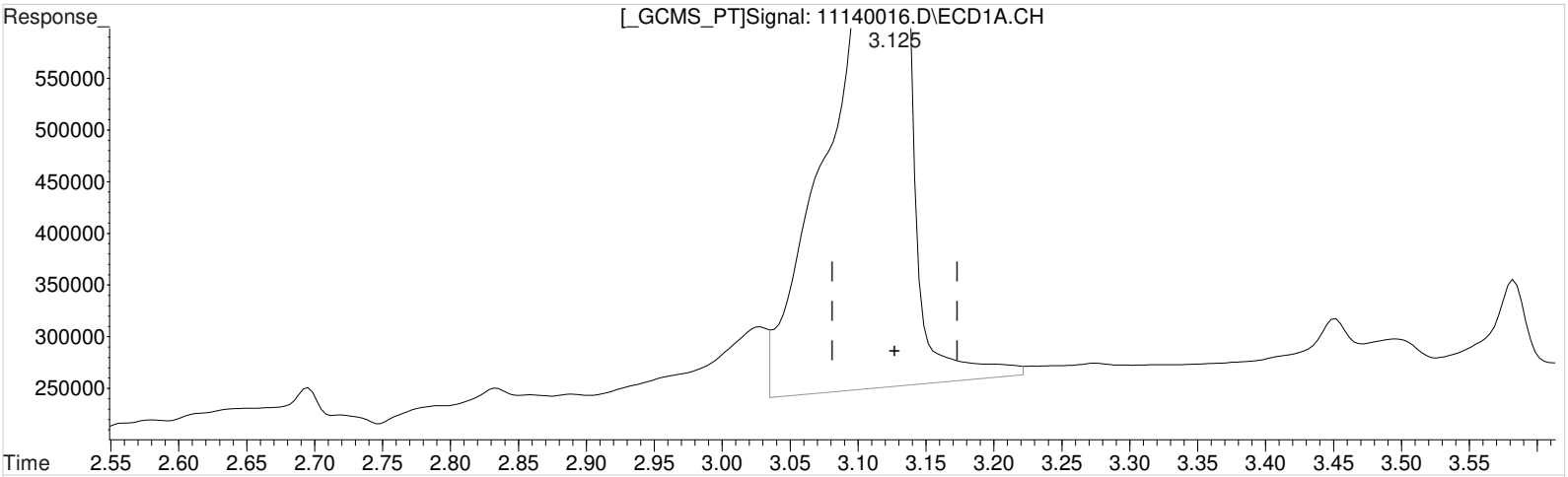
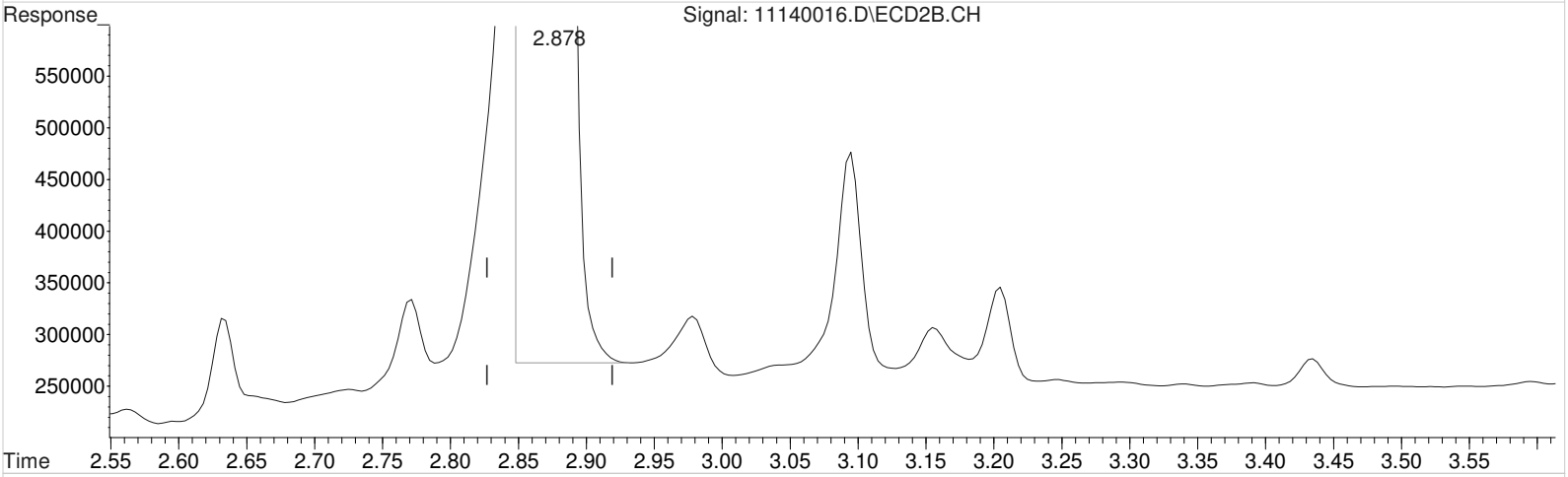
Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(1) Dalapon (m)

3.125min 119.808 ppb

response 2906355

(1) Dalapon #2 (m)

2.878min 98.444 ppb

response 4756091

Manual Integration:

Before

11/16/20

(+) = Expected Retention Time

Quantitation Report (Qedit)

1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140016.D Vial: 2
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
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Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 11:39:10 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
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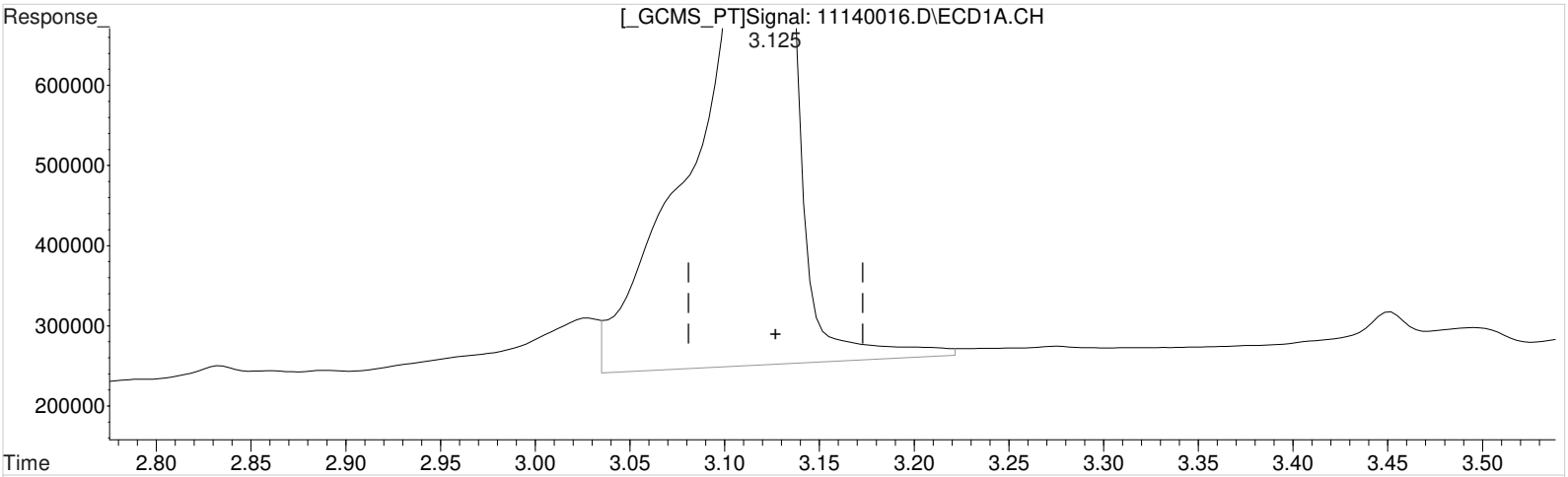
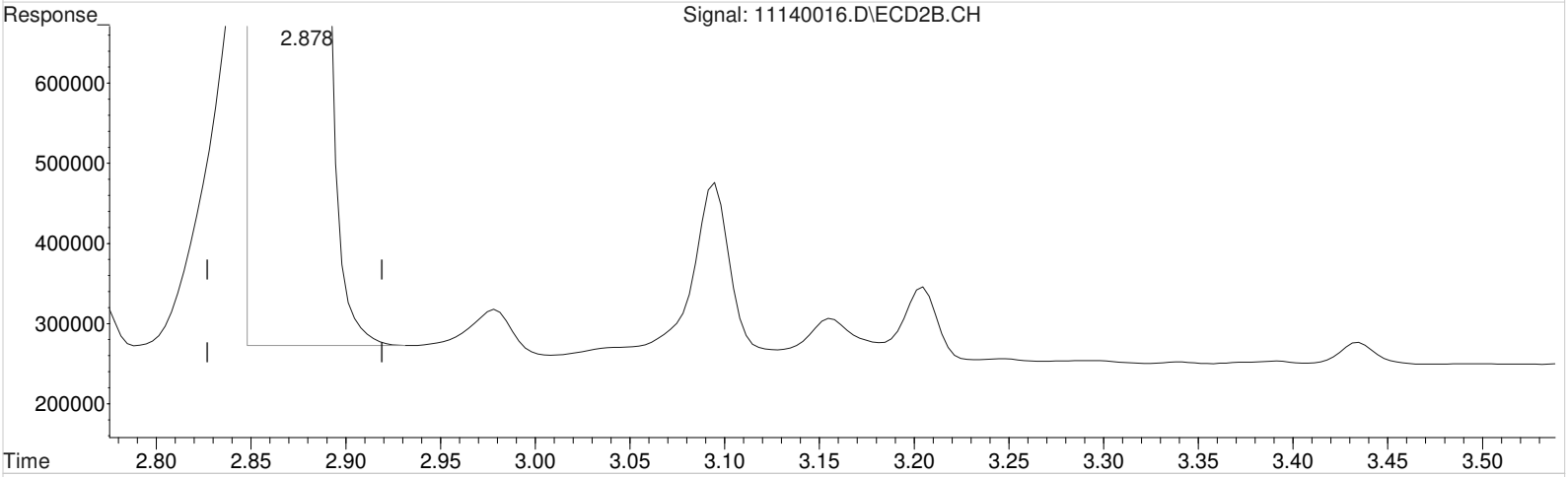
Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(1) Dalapon (m)

3.125min 119.808 ppb

response 2906355

(1) Dalapon #2 (m)

2.878min 98.444 ppb

response 4756091

Manual Integration:

Before

11/16/20

(+) = Expected Retention Time

Quantitation Report (Qedit)

1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140016.D Vial: 2
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
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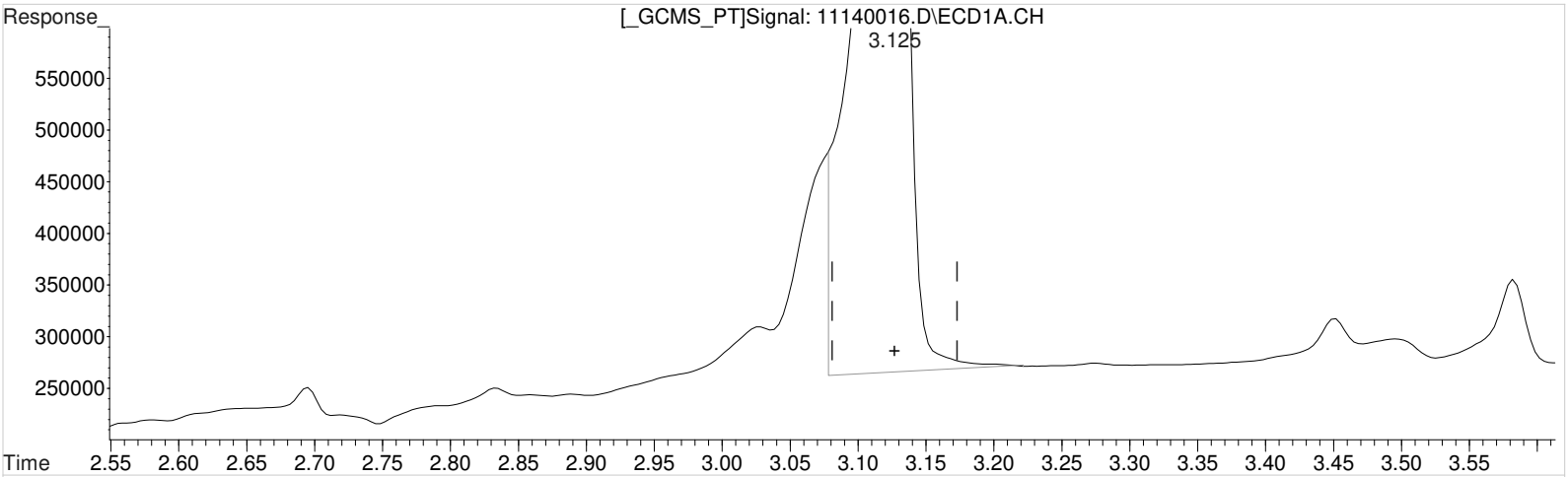
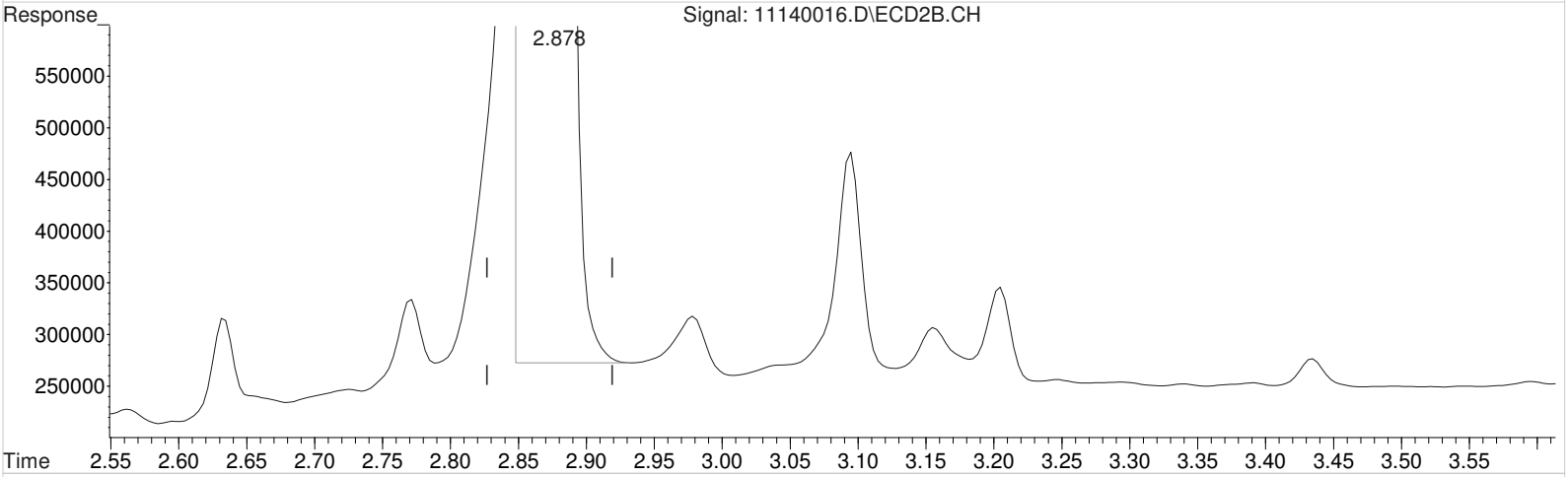
Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(1) Dalapon (m)

3.125min 99.060 ppb m

response 2403044

Manual Integration:

After

Baseline/Shoulder

11/16/20

(1) Dalapon #2 (m)

2.878min 98.444 ppb

response 4756091

(+) = Expected Retention Time

Quantitation Report (Qedit)

1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140016.D Vial: 2
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 8:00 pm Operator: UA
Sample : PENTA2-14N 100PB Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 11:39:10 2020
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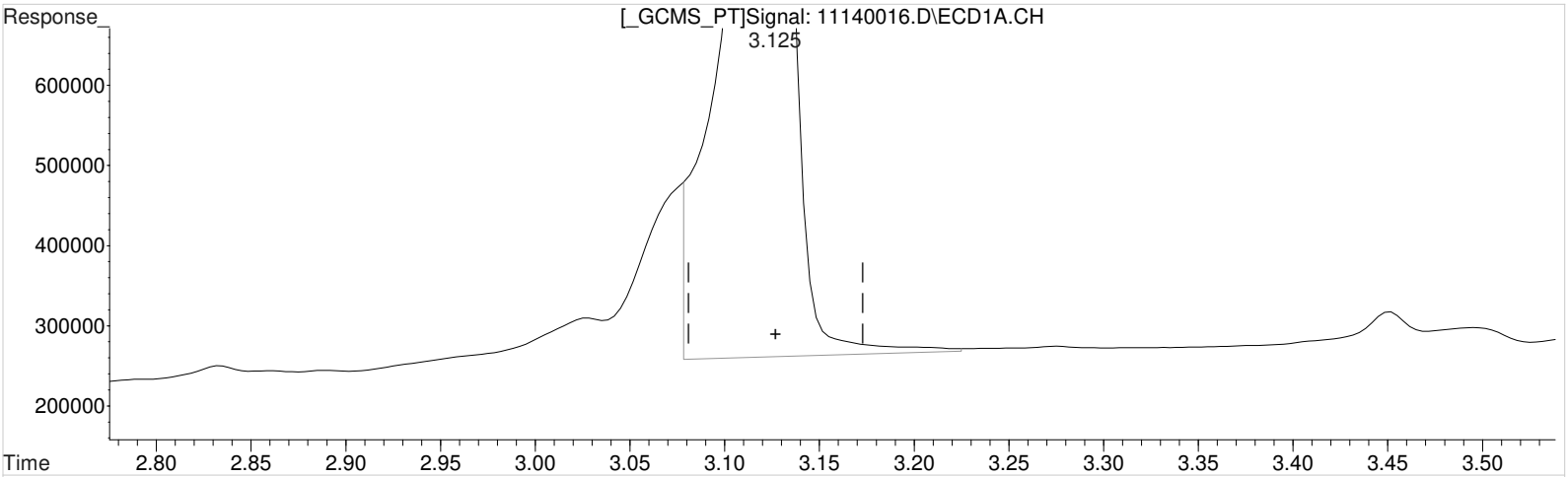
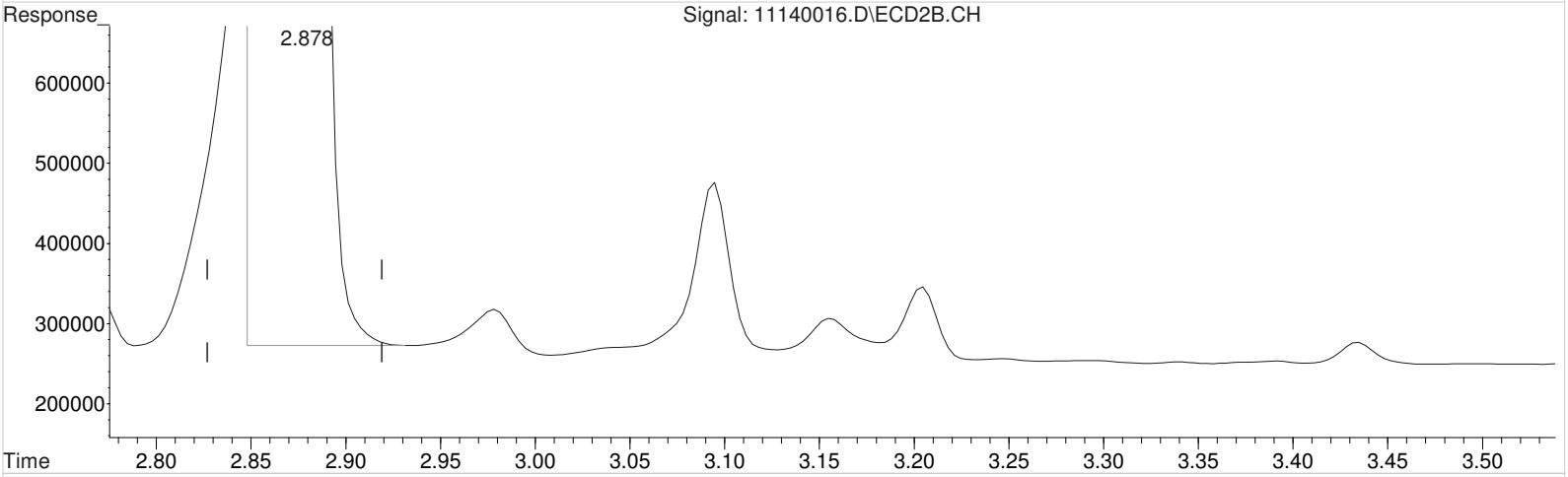
Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(1) Dalapon (m)

3.125min 100.605 ppb m

response 2440512

Manual Integration:

After

Baseline/Shoulder

11/16/20

(1) Dalapon #2 (m)

2.878min 98.444 ppb

response 4756091

(+) = Expected Retention Time

Quantitation Report (Qedit)

1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140016.D Vial: 2
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 8:00 pm Operator: UA
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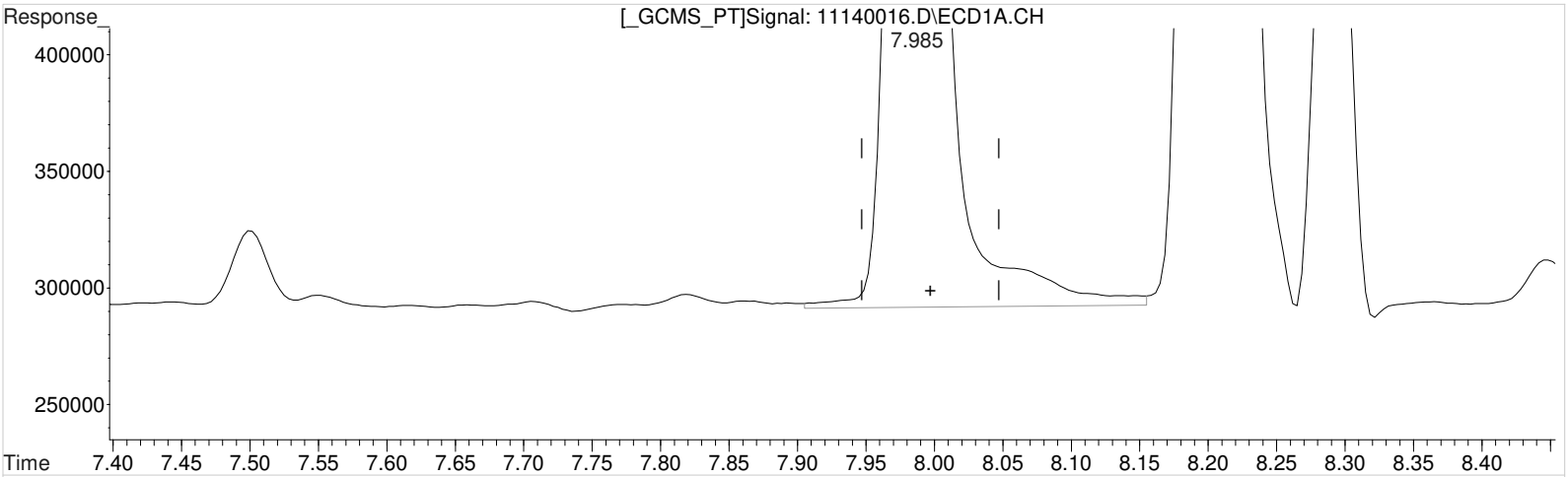
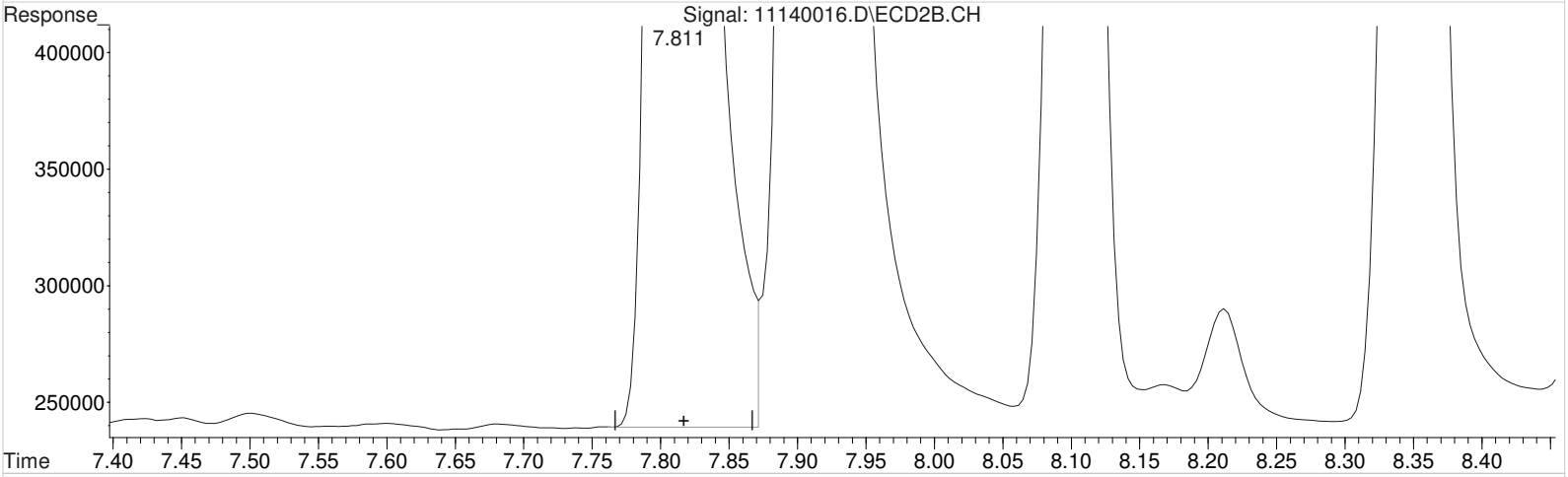
Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(2) 2,4-Dichlorophenylacetic Acid (s)

7.985min 101.746 ppb

response 1851435

(2) 2,4-Dichlorophenylacetic Acid #2 (s)

7.811min 100.391 ppb

response 4246345

Manual Integration:

Before

11/16/20

(+) = Expected Retention Time

1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140016.D Vial: 2
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 8:00 pm Operator: UA
Sample : PENTA2-14N 100PB Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
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Quant Time: Nov 16 11:24:30 2020
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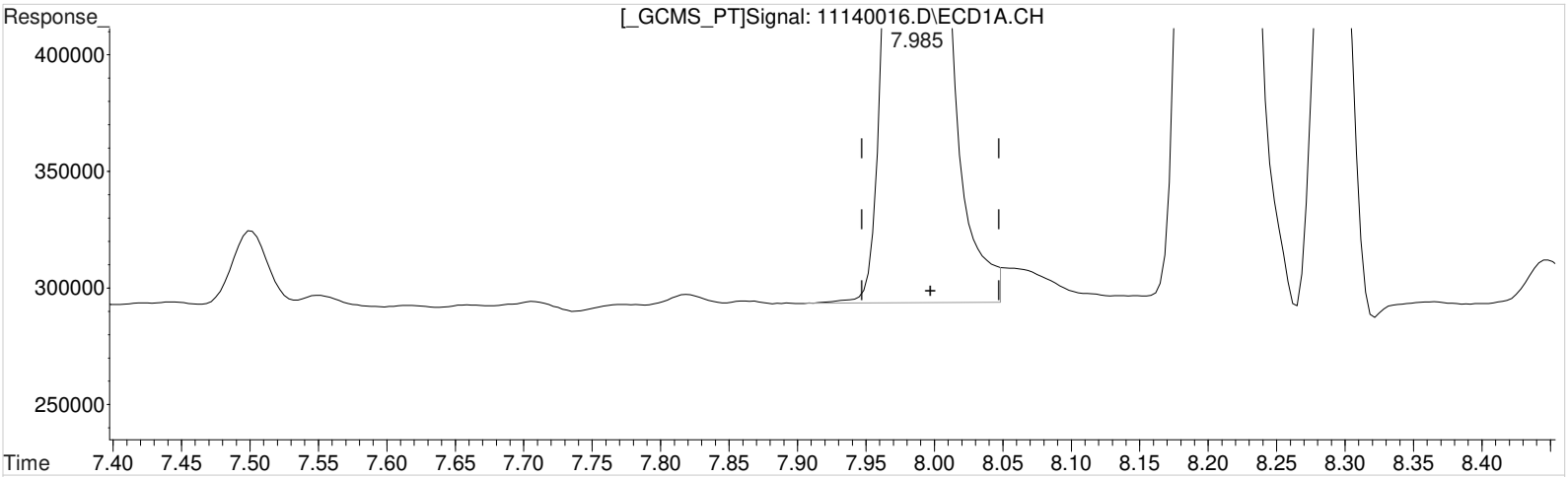
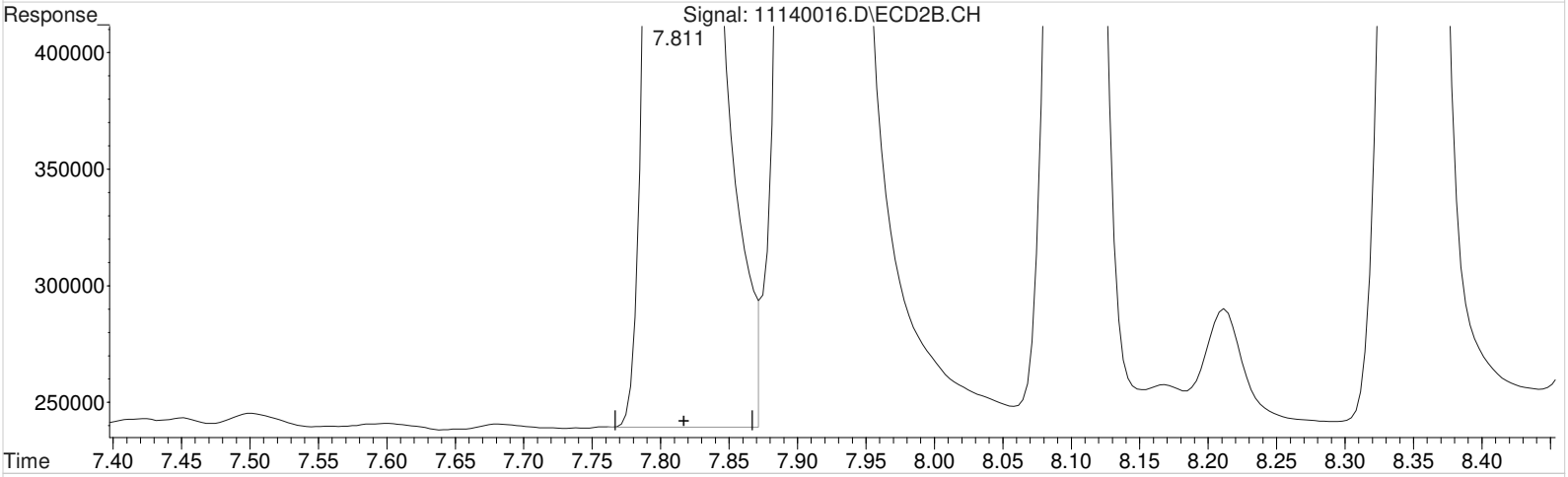
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(2) 2,4-Dichlorophenylacetic Acid (s)

7.985min 97.844 ppb m

response 1780428

Manual Integration:

After

Baseline/Shoulder

11/16/20

(2) 2,4-Dichlorophenylacetic Acid #2 (s)

7.811min 100.391 ppb

response 4246345

(+) = Expected Retention Time

Quantitation Report (Qedit)

1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140016.D Vial: 2
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 8:00 pm Operator: UA
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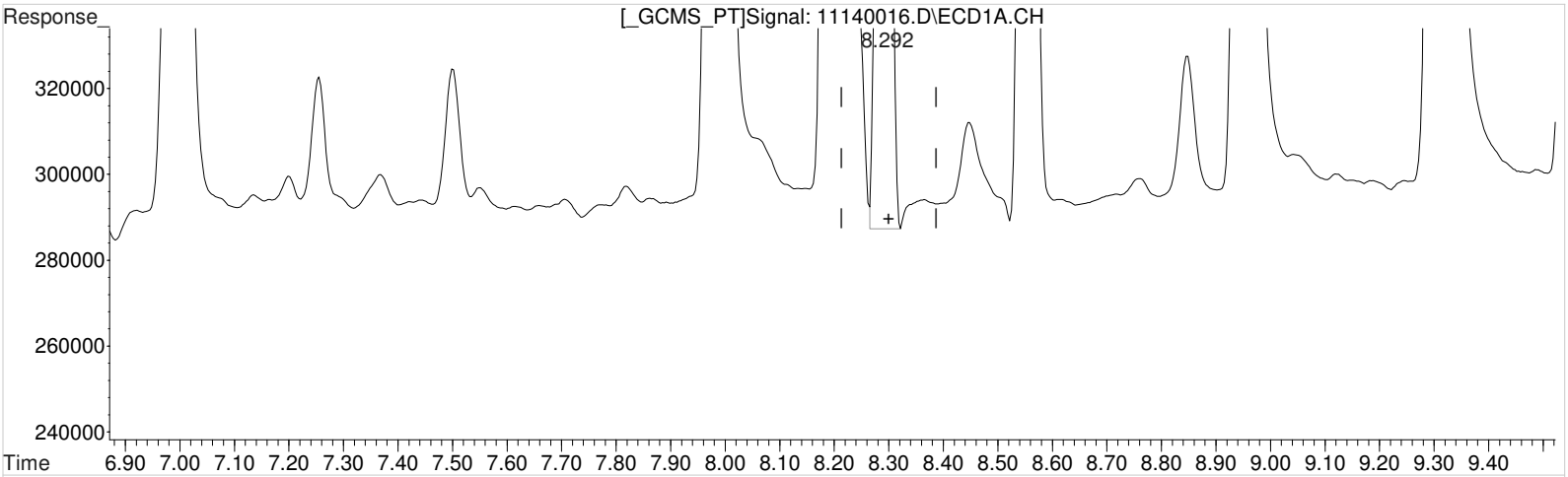
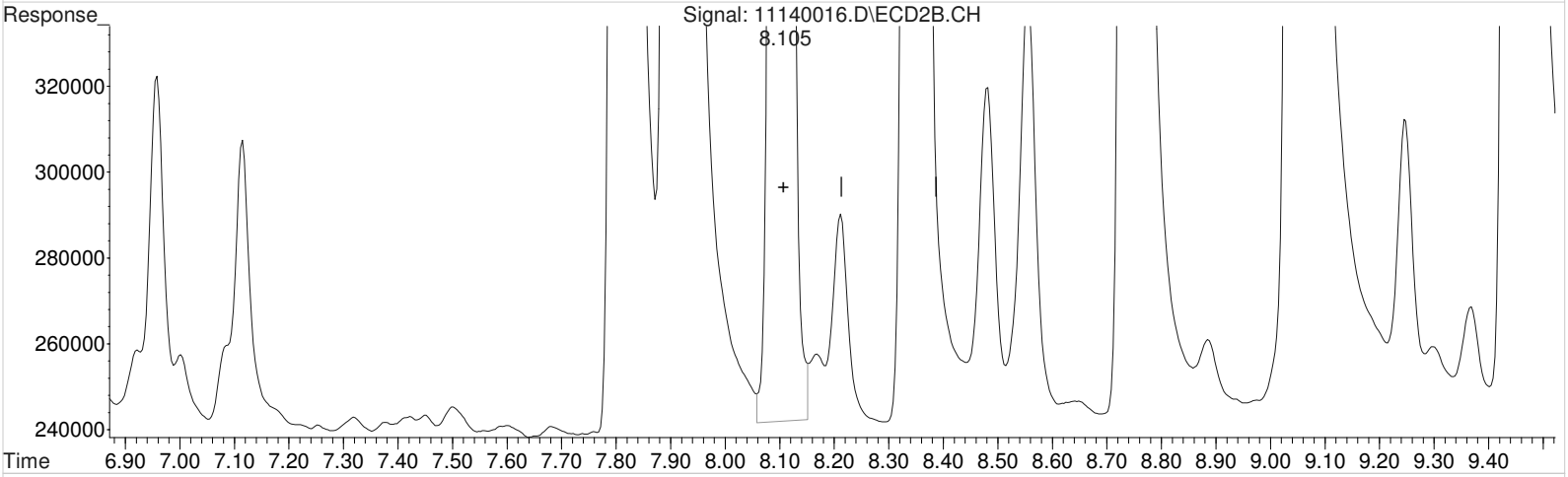
Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(4) MCPP (m)

8.292min 9910.460 ppb

response 436898

(4) MCPP #2 (m)

8.105min 11701.472 ppb

response 1898350

Manual Integration:

Before

11/16/20

(+) = Expected Retention Time

Quantitation Report (Qedit)

1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140016.D Vial: 2
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
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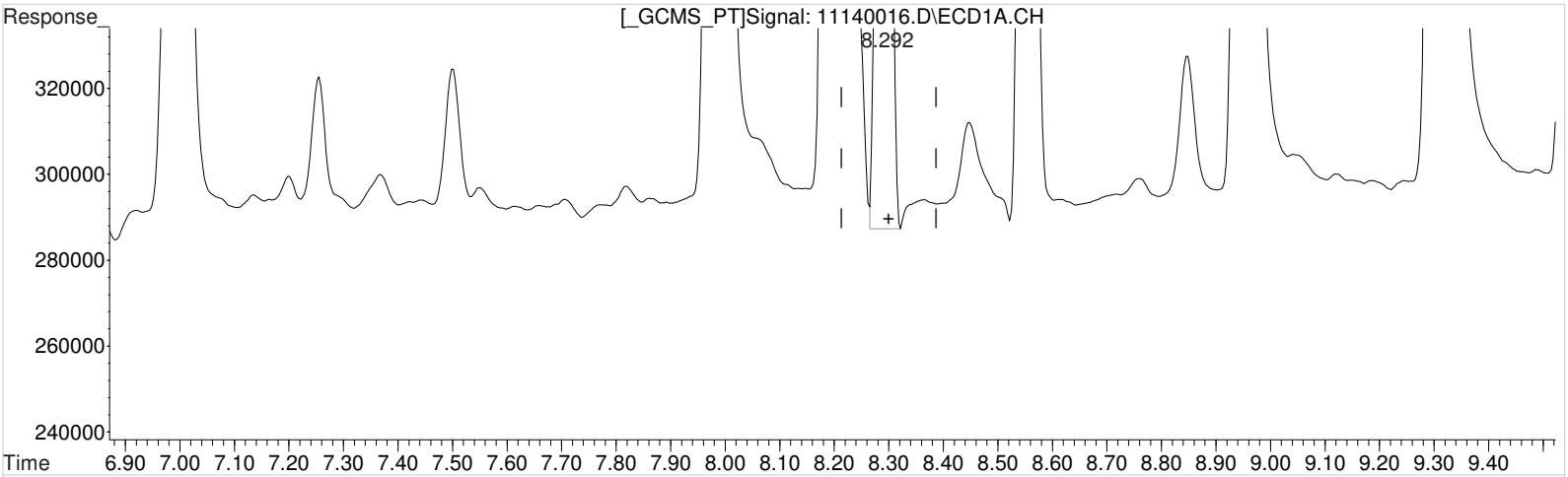
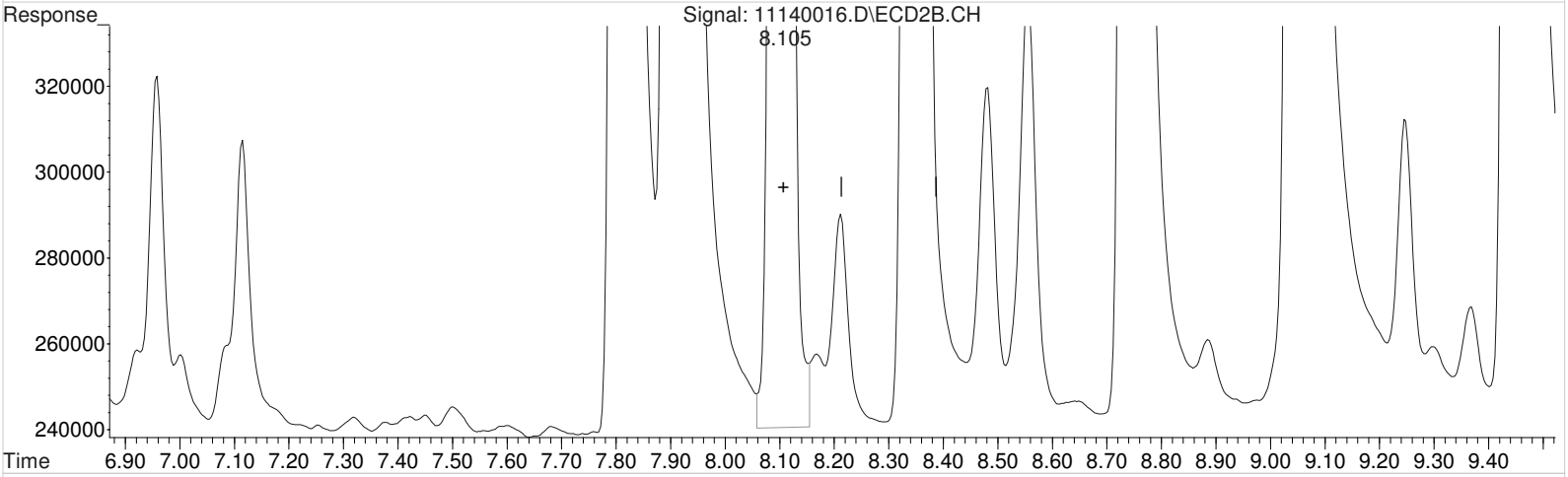
Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(4) MCPP (m)

8.292min 9910.460 ppb

response 436898

Manual Integration:

After

Baseline/Shoulder

11/16/20

(4) MCPP #2 (m)

8.105min 11780.635 ppb m

response 1909804

(+) = Expected Retention Time

Quantitation Report (Qedit)

1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140016.D Vial: 2
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 8:00 pm Operator: UA
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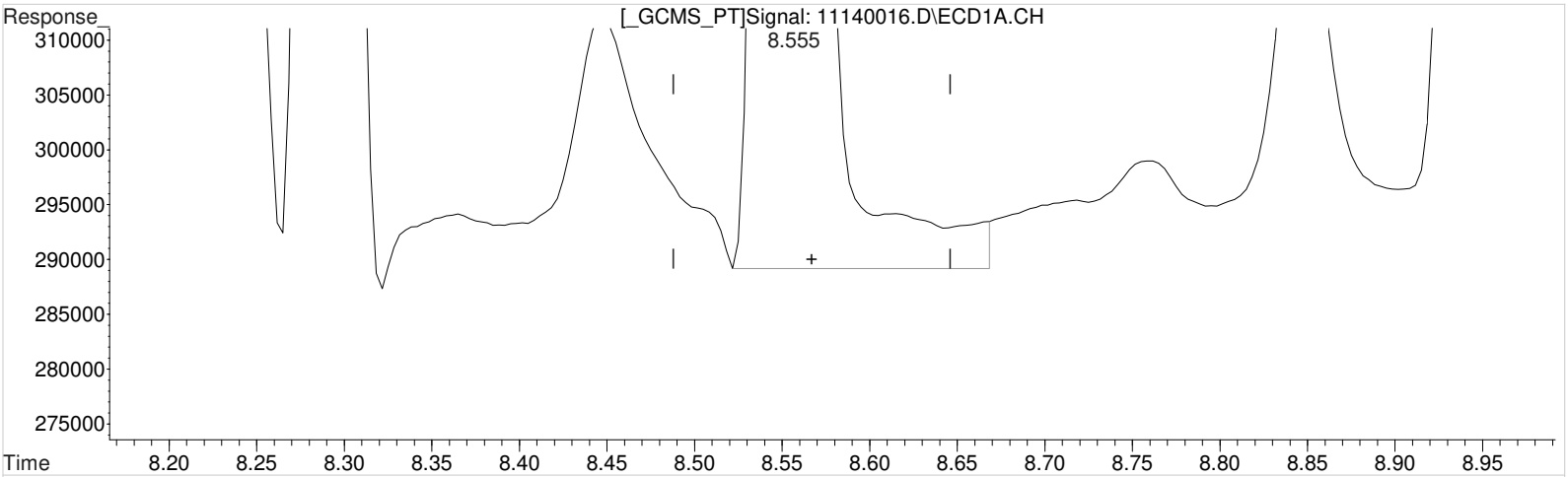
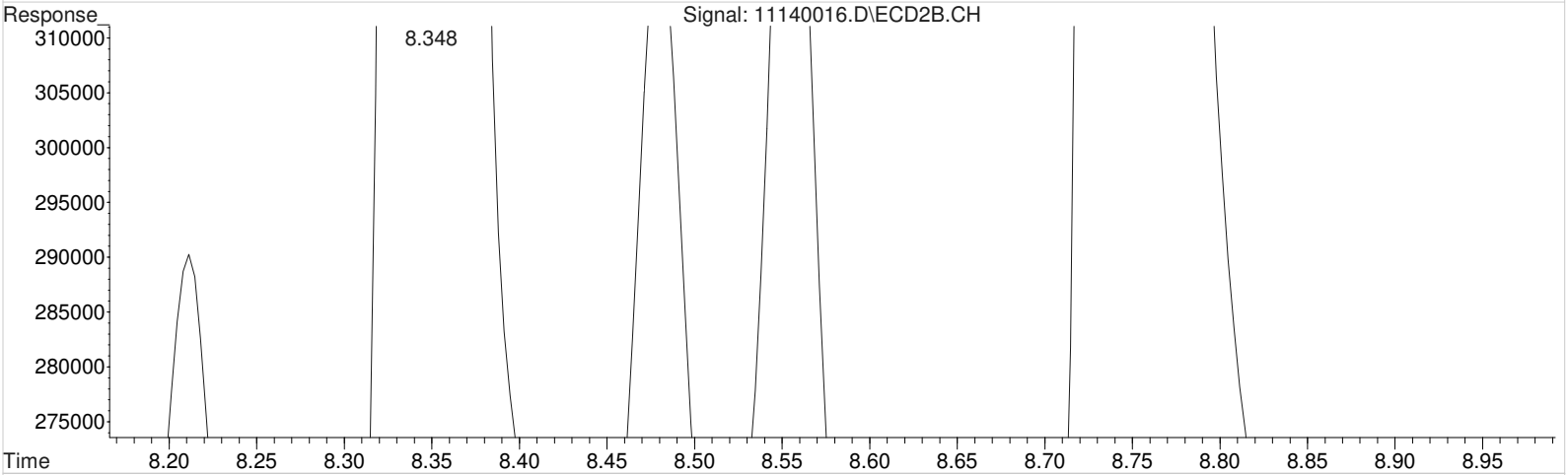
Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(5) MCPA (m)

8.555min 10643.708 ppb

response 623216

(5) MCPA #2 (m)

8.348min 11770.171 ppb

response 2582467

Manual Integration:

Before

11/16/20

(+) = Expected Retention Time

1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140016.D Vial: 2
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
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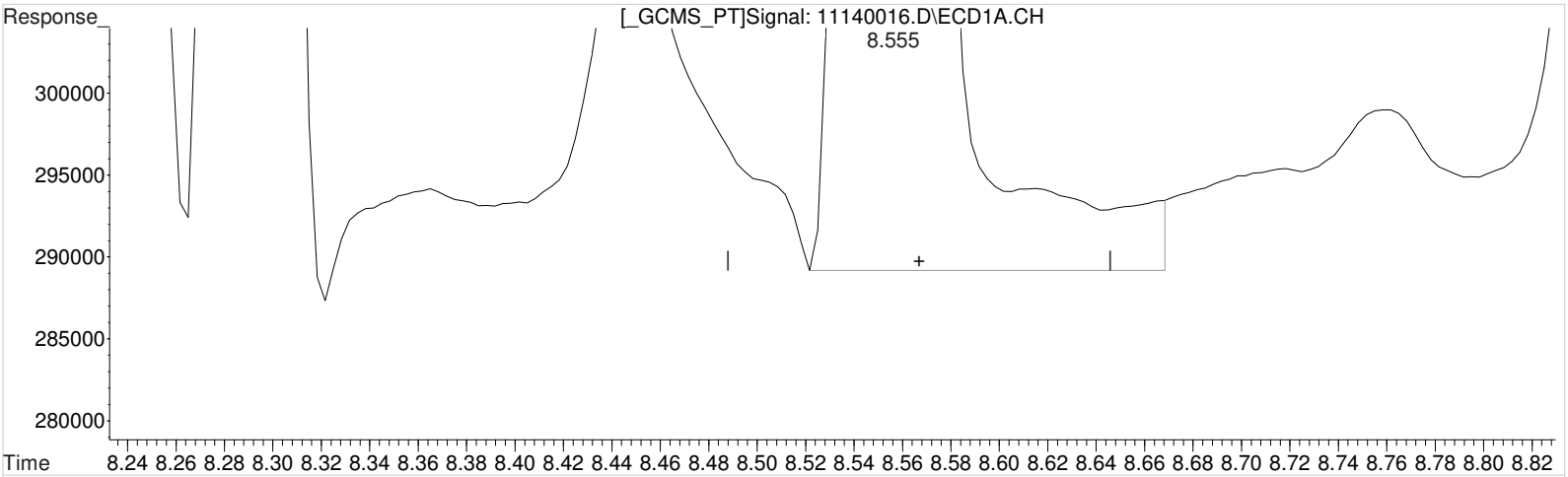
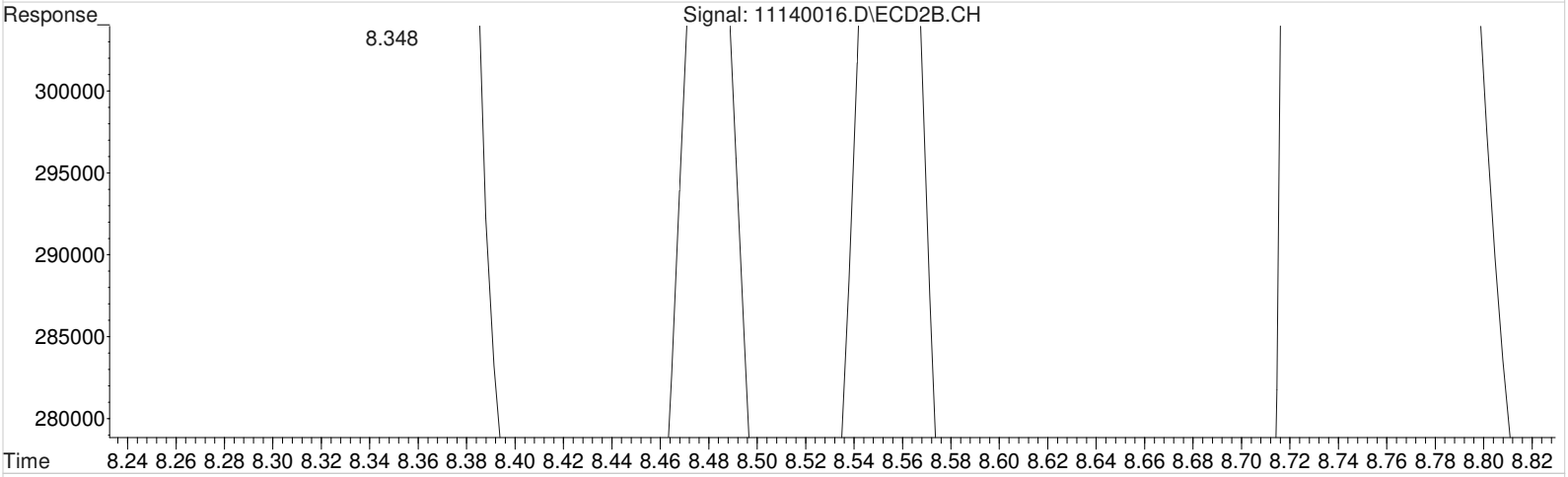
Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(5) MCPA (m)

8.555min 10643.708 ppb

response 623216

(5) MCPA #2 (m)

8.348min 11770.171 ppb

response 2582467

Manual Integration:

Before

11/16/20

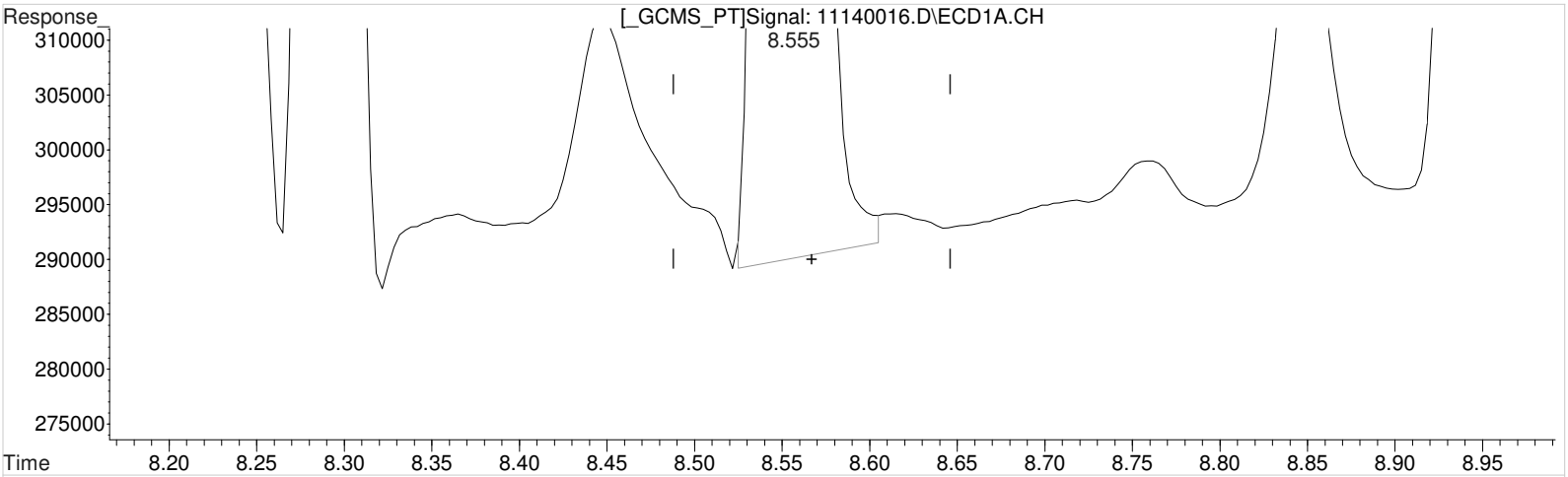
(+) = Expected Retention Time

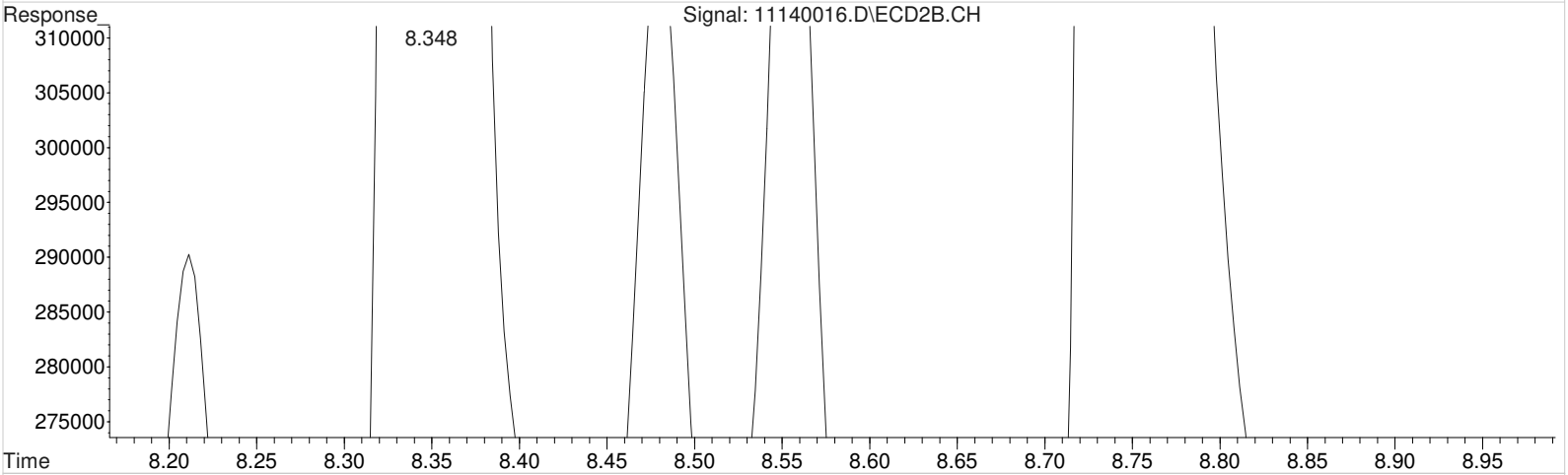
1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140016.D Vial: 2
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 8:00 pm Operator: UA
Sample : PENTA2-14N 100PB Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 11:24:30 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(5) MCPA (m)

8.555min 10258.857 ppb m

response 600682

(5) MCPA #2 (m)

8.348min 11770.171 ppb

response 2582467

Manual Integration:

After

Baseline/Shoulder

11/16/20

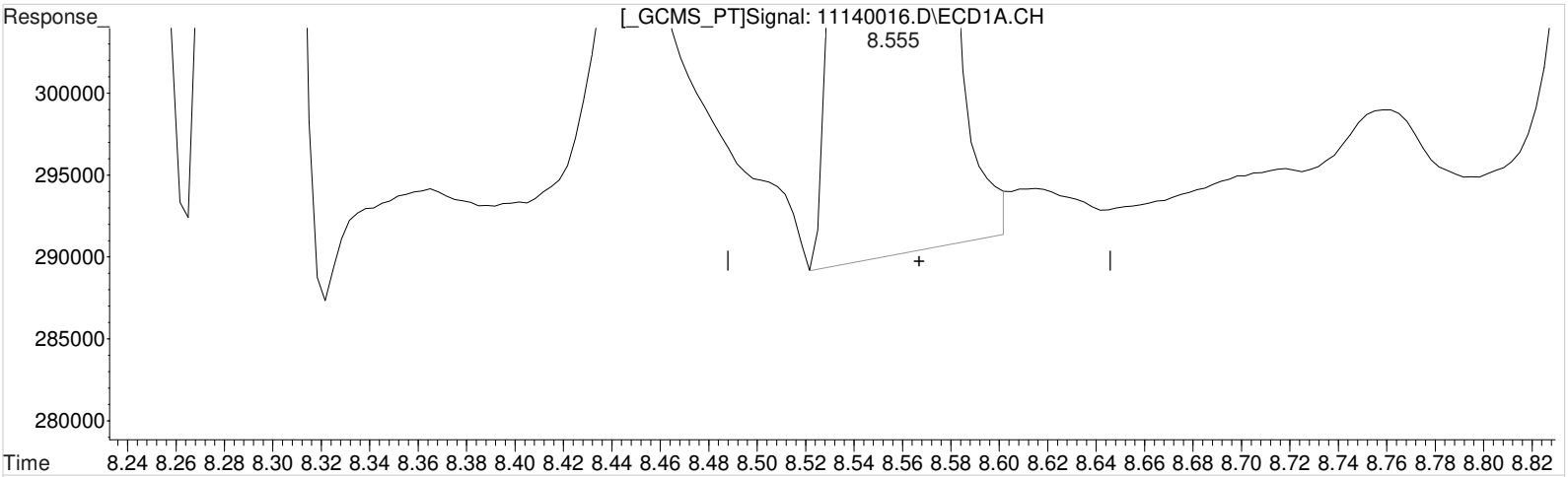
(+) = Expected Retention Time

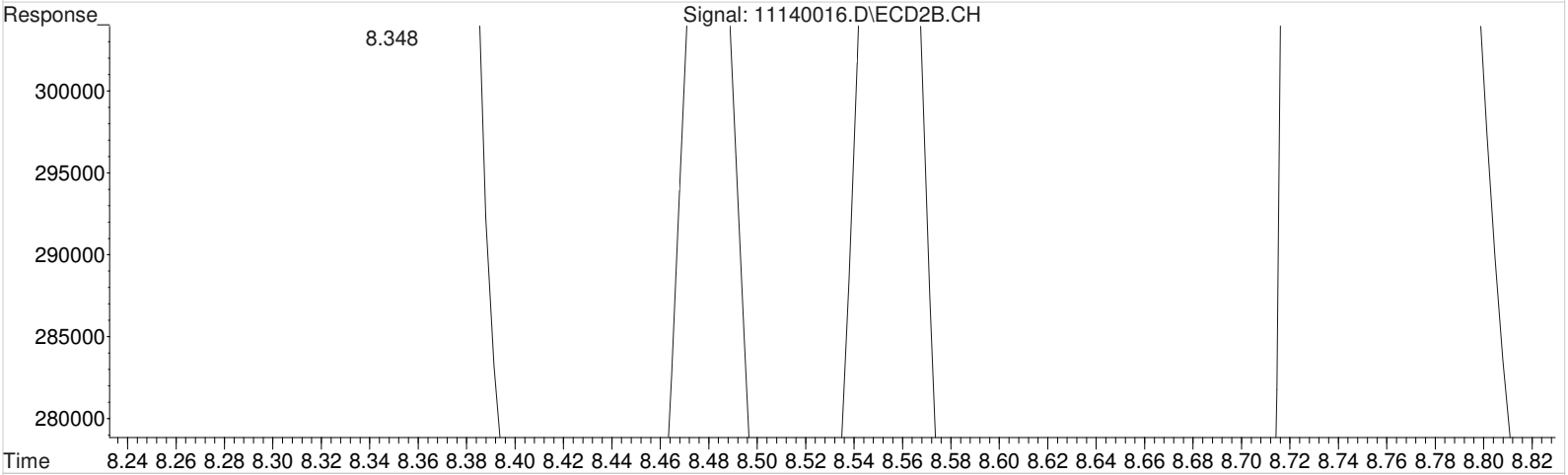
1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140016.D Vial: 2
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 8:00 pm Operator: UA
Sample : PENTA2-14N 100PB Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 11:39:10 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(5) MCPA (m)

8.555min 10258.242 ppb m

response 600646

Manual Integration:

After

Baseline/Shoulder

11/16/20

(5) MCPA #2 (m)

8.348min 11770.171 ppb

response 2582467

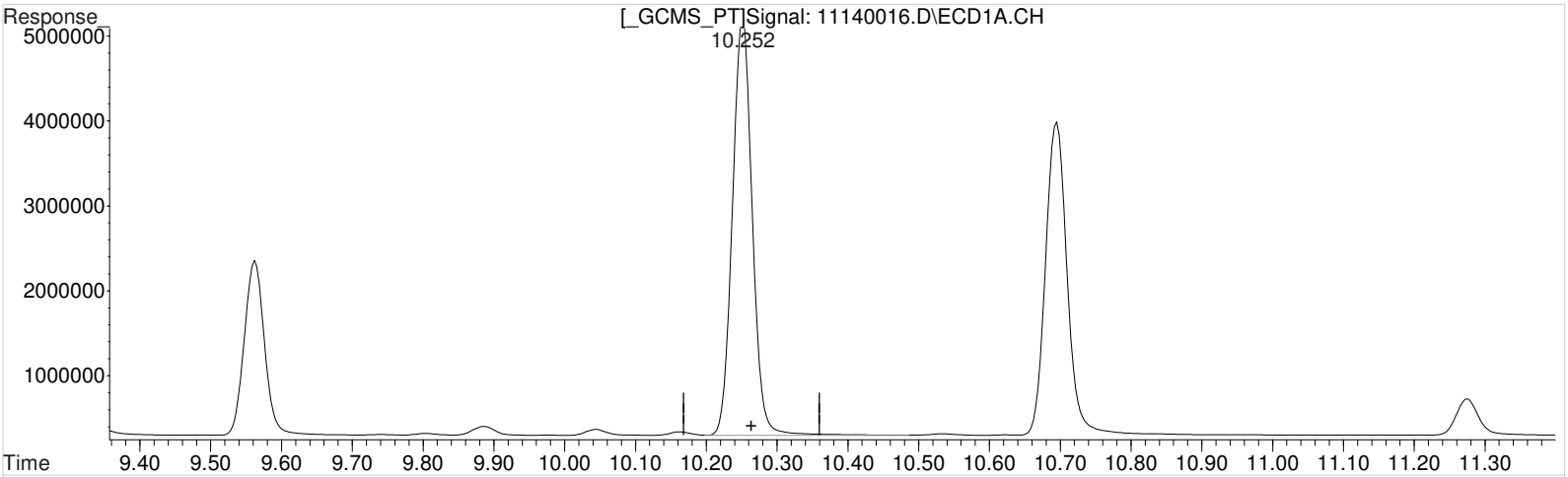
(+) = Expected Retention Time

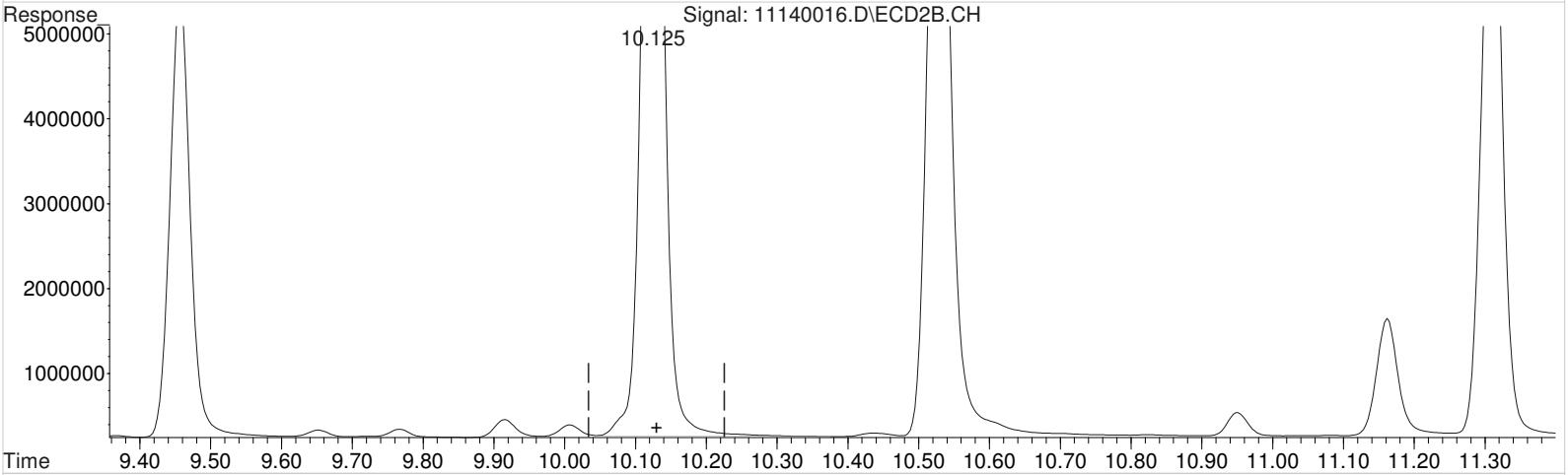
1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140016.D Vial: 2
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 8:00 pm Operator: UA
Sample : PENTA2-14N 100PB Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 11:39:10 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(8) 2,4,5-TP (Silvex) (m)

10.252min 102.014 ppb

response 9556816

Manual Integration:

Before

11/16/20

(8) 2,4,5-TP (Silvex) #2 (m)

10.125min 118.483 ppb

response 24051783

(+) = Expected Retention Time

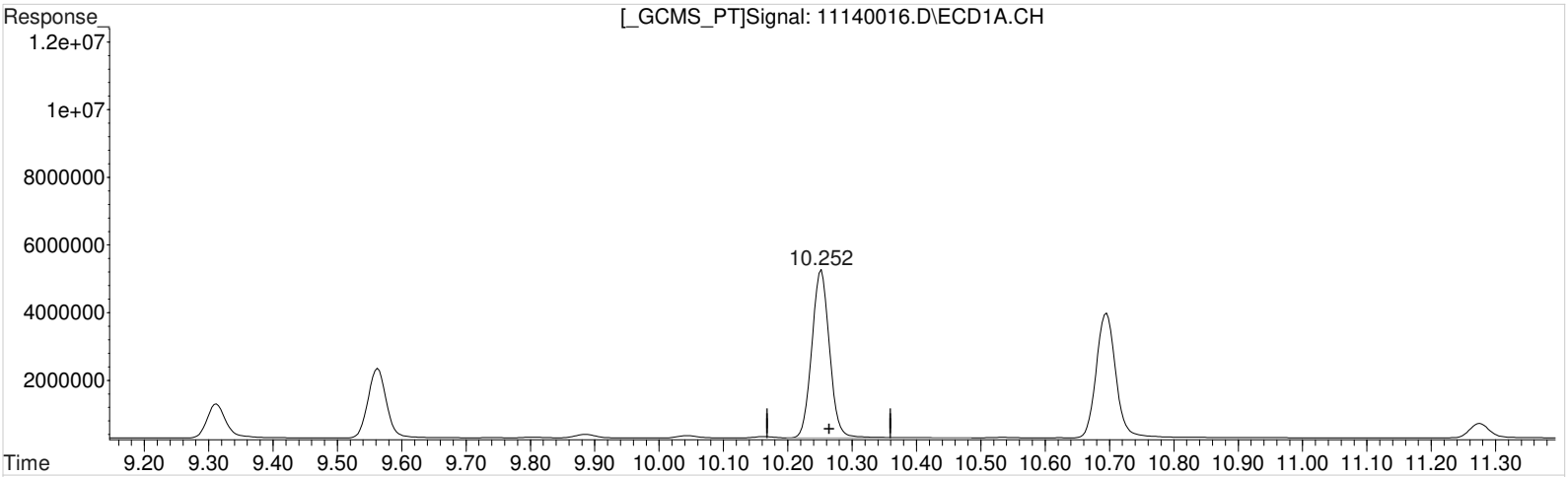
Quantitation Report (Qedit)

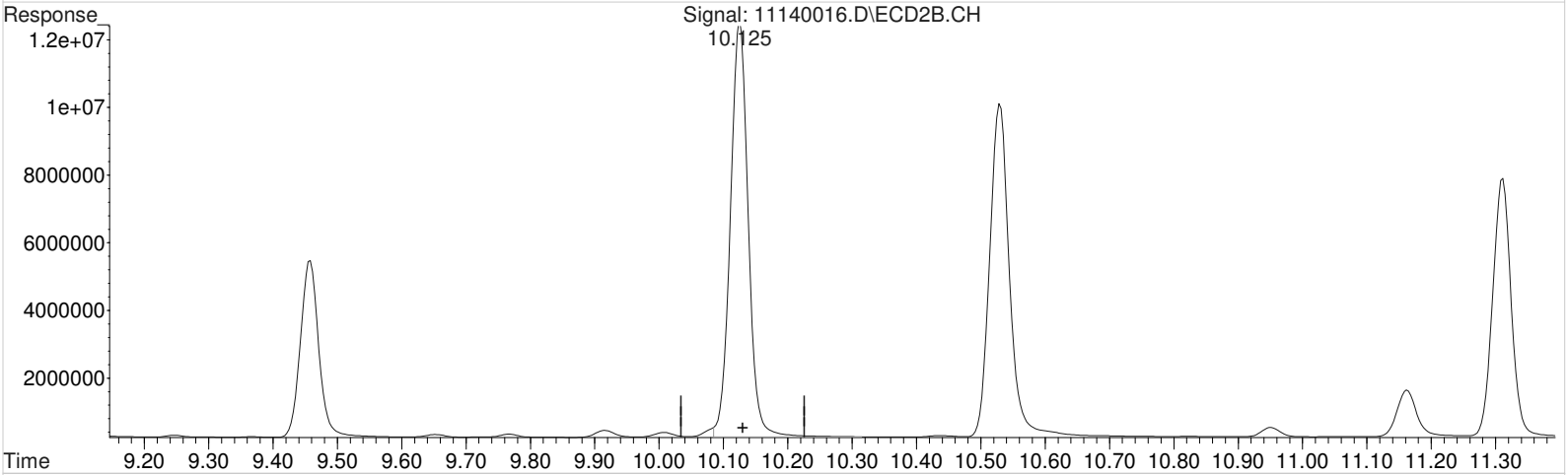
1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140016.D Vial: 2
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 8:00 pm Operator: UA
Sample : PENTA2-14N 100PB Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 11:39:10 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(8) 2,4,5-TP (Silvex) (m)

10.252min 102.014 ppb

response 9556816

Manual Integration:

After

Baseline/Shoulder

11/16/20

(8) 2,4,5-TP (Silvex) #2 (m)

10.125min 116.749 ppb m

response 23699921

(+) = Expected Retention Time

1st 11/16/20
2nd UA 11/17/20

Validation Report

Data File: J:\gc24\data\111420\11140028.D\
Lab ID: KQ2018066-05
RunType: CCV
Matrix: Sediment

Date Acquired: 11/14/20 00:35:00
Batch ID: 703599
Analysis Method: 8151A/HERB

Validations

Validation Categories	Pass	Fail
ICAL Analyte Recovery	X	
Second Source ICAL Verification	X	
Above Highest ICAL Level	X	
Analyte Coelutions	X	

Primary Review: _____

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Secondary Review: _____

1st 11/16/20
2nd UA 11/17/20

Quantitation Report

Data File:	J:\gc24\data\111420\11140028.D\	**Instrument:**	K-GC-24
Acqu Date:	11/14/20 00:35:00	**Vial:**	5
Run Type:	CCV	**Dilution:**	1
Lab ID:	KQ2018066-05	**Raw Units:**	ppb

Bottle ID:		**Tier:**	IV	**Matrix:**	Sediment
Prod Code:	HERB	**Collect Date:**	10/28/20	**Receive Date:**	11/3/20

Analysis Lot:	703599	**Prep Lot:**		**Report Group:**	KQ2018066
Analysis	8151A	**Prep Method:**			
		Prep Date:			

Title:	Chlorinated Herbicides by GC	**Calibration ID:**	KC2000566
		Report List ID:	18726

Surrogate Compounds

Parameter Name	RT 1	RT 2	Resp 1	Resp 2	Solution Conc 1	Solution Conc 2	% Rec 1	% Rec 2	Rpt?
2,4-Dichlorophenylacetic Acid	7.98	7.81	1762491	4266185	96.858	100.861			Y

Target Compounds

Parameter Name	RT 1	RT 2	Resp 1	Resp 2	Solution Conc 1	Solution Conc 2	Final Conc 1	Final Conc 2	Rpt?
2,4,5-T	10.69	10.53	7858089	21355561	95.239	111.595	95.2	112	Y
2,4,5-TP (Silvex)	10.25	10.13	9513842	24000941	101.556	118.232	102	118	Y
2,4-D	9.31	9.06	2120059	5559948	99.814	108.596	99.8	109	Y
2,4-DB	11.28	11.16	960316	3057491	93.604	105.373	93.6	105	Y
Dalapon	3.12	2.88	2416677	4665219	99.622	96.563	99.6	96.6	Y
Dicamba	8.20	7.91	6997528	15826948	100.251	106.785	100	107	Y
Dichlorprop	8.95	8.75	1849679	4557888	99.190	109.262	99.2	109	Y
Dinoseb	11.67	11.31	5917663	15580499	95.653	113.928	95.7	114	Y
MCPA	8.55	8.35	600417	2592825	10254.331	11824.916	10300	11800	Y
MCPP	8.29	8.10	436431	1925514	9900.411	11889.212	9900	11900	Y

Prep Amount:	30.00 g	**Dilution:**	1
Prep Final Amount:	50.00 mL	**Basis Factor:**	100.00

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

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Quantitation Report (QT Reviewed)

1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140028.D Vial: 2
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 12:35 am Operator: UA
Sample : PENTA2-14N 100PB Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 12:05:21 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm

		Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
		System Monitoring Compounds						
2)	s	2,4-Dichl...	7.984	7.814	1762491	4266185	96.858m	100.861
		Target Compounds						
1)	m	Dalapon	3.124	2.877	2416677	4665219	99.622m	96.563m
3)	m	Dicamba	8.204	7.914	6997528	15826948	100.251	106.785
4)	m	MCPP	8.291	8.104	436431	1925514	9900.411	11889.212
5)	m	MCPA	8.554	8.351	600417	2592825	10254.331	11824.916m
6)	m	Dichloroprop	8.954	8.747	1849679	4557888	99.190m	109.262
7)	m	2,4-D	9.311	9.057	2120059	5559948	99.814	108.596
8)	m	2,4,5-TP ...	10.251	10.127	9513842	24000941	101.556m	118.232m
9)	m	2,4,5-T	10.694	10.531	7858089	21355561	95.239	111.595
10)	m	2,4-DB	11.278	11.164	960316	3057491	93.604	105.373
11)	m	Dinoseb	11.674	11.314	5917663	15580499	95.653	113.928

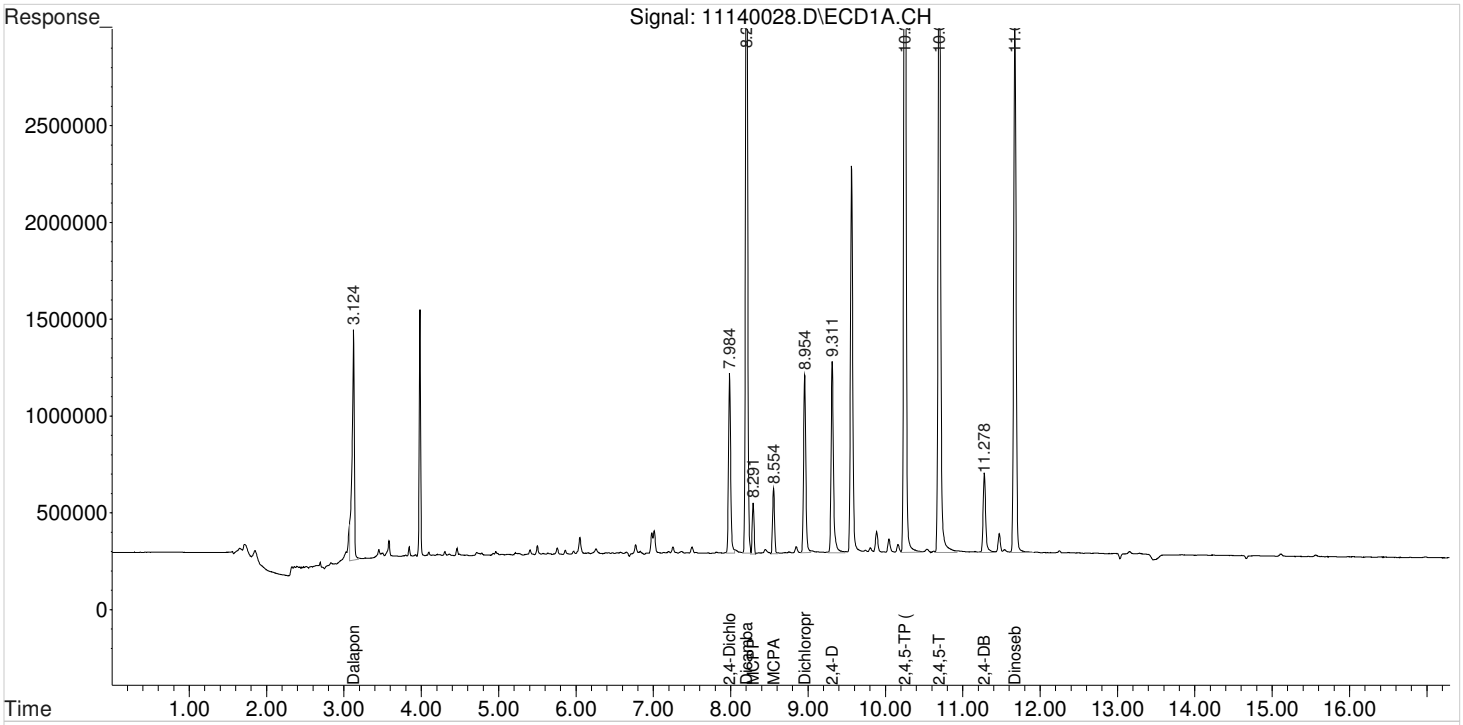
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

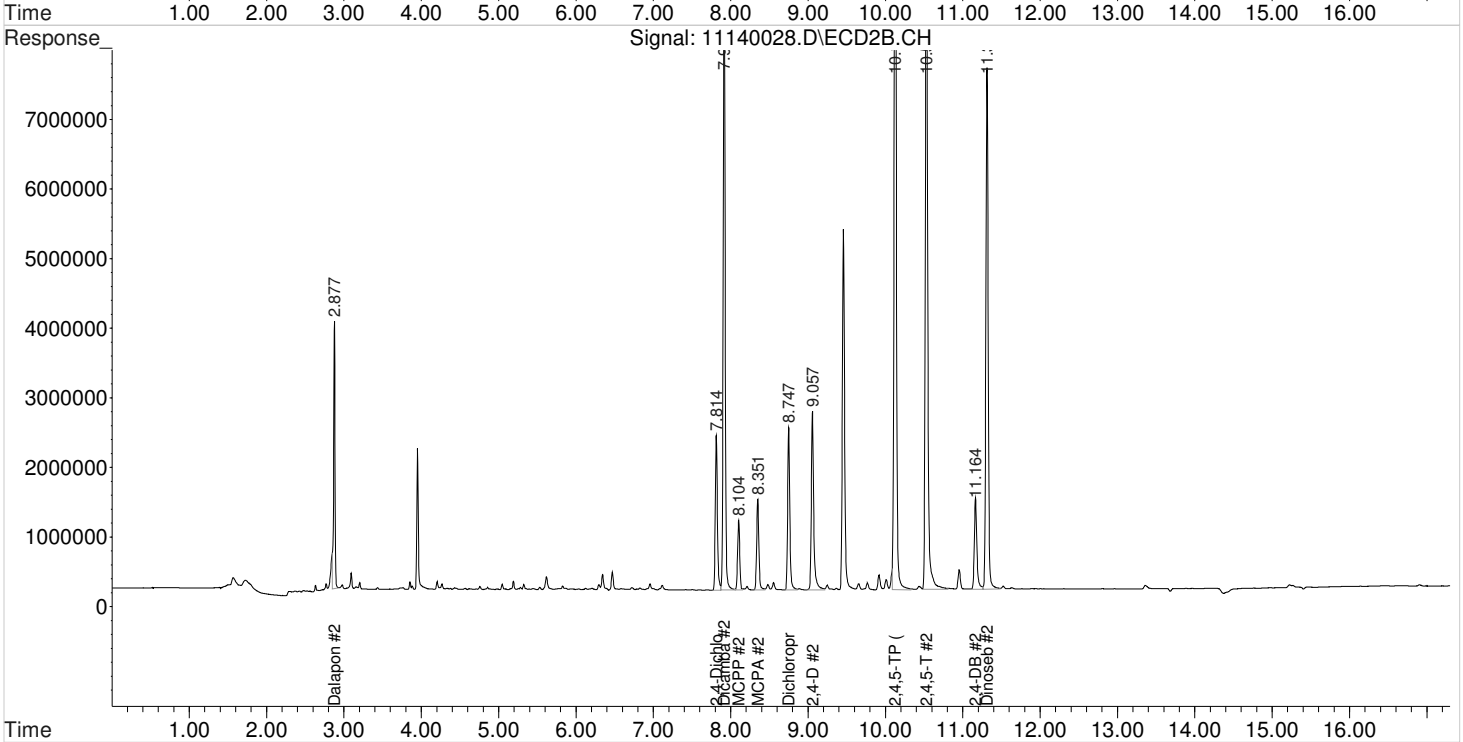
1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140028.D Vial: 2
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 12:35 am Operator: UA
Sample : PENTA2-14N 100PB Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 12:05:21 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





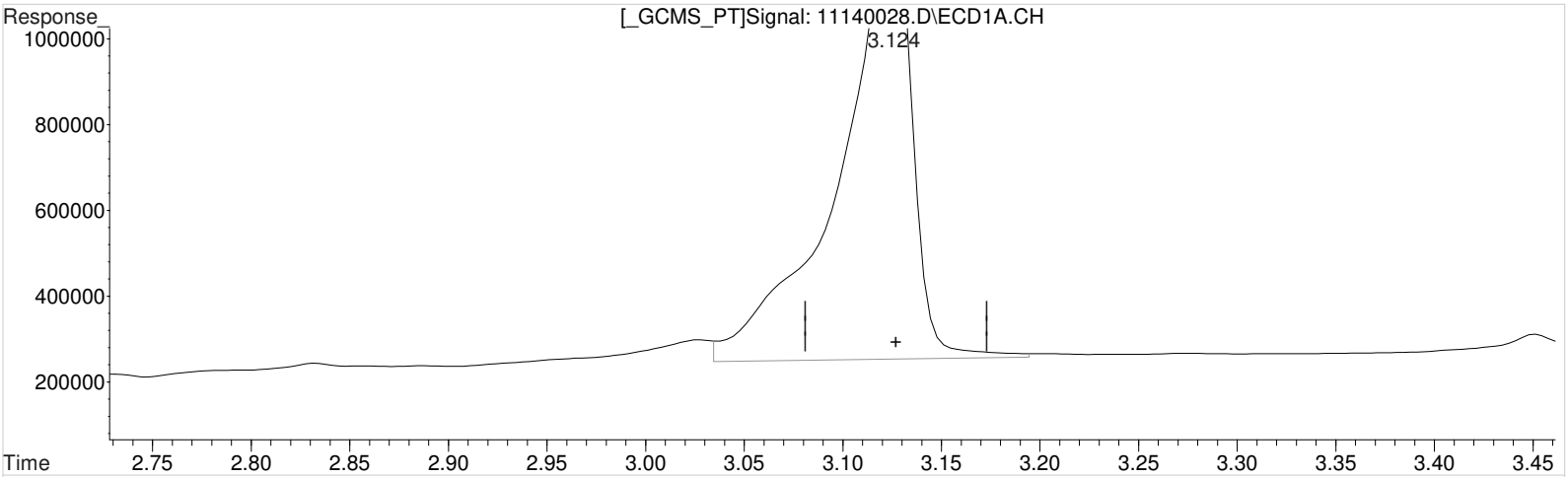
Quantitation Report (Qedit)

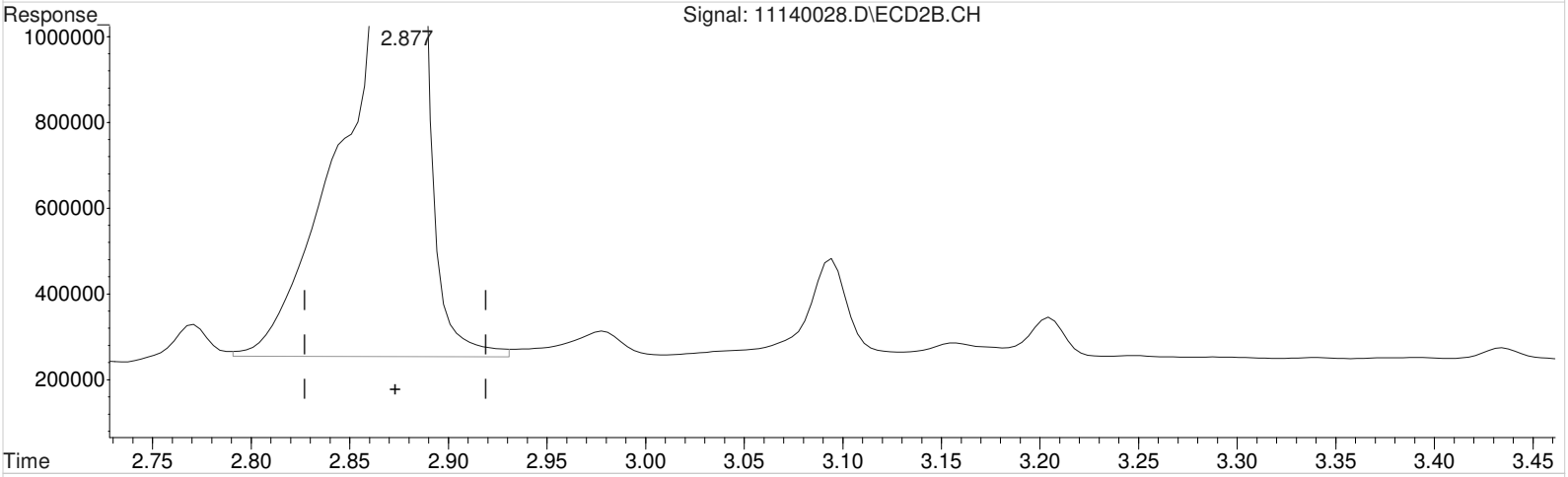
1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140028.D Vial: 2
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 12:35 am Operator: UA
Sample : PENTA2-14N 100PB Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 11:25:06 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(1) Dalapon (m)

3.124min 110.894 ppb

response 2690119

(1) Dalapon #2 (m)

2.877min 114.491 ppb

response 5531390

Manual Integration:

Before

11/16/20

(+) = Expected Retention Time

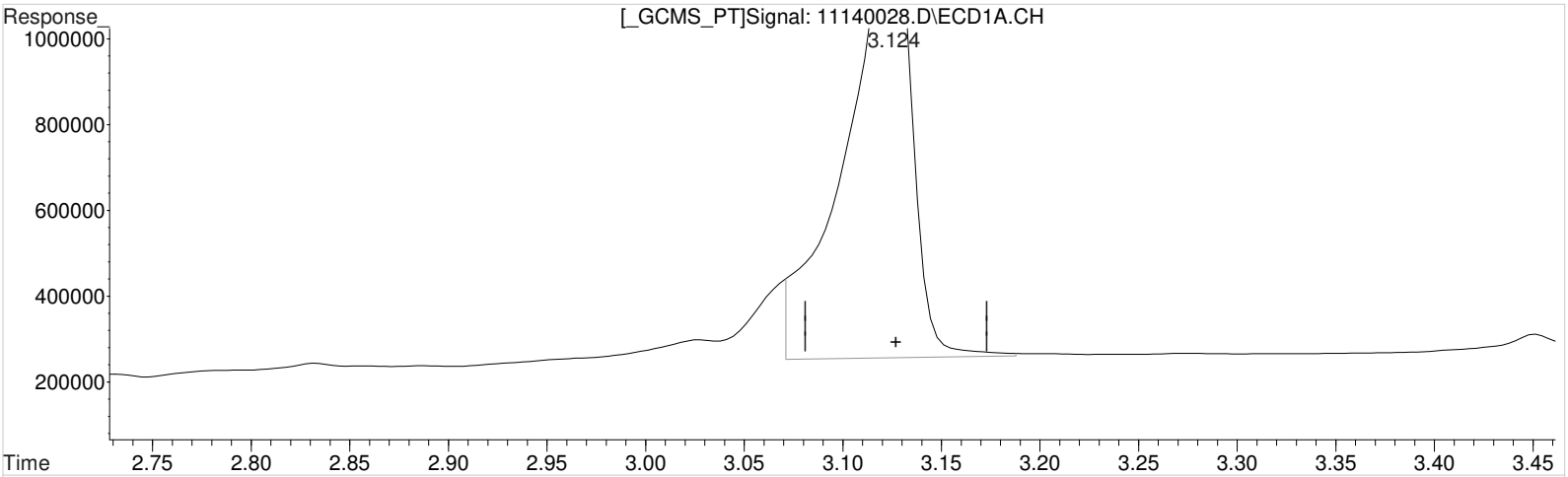
Quantitation Report (Qedit)

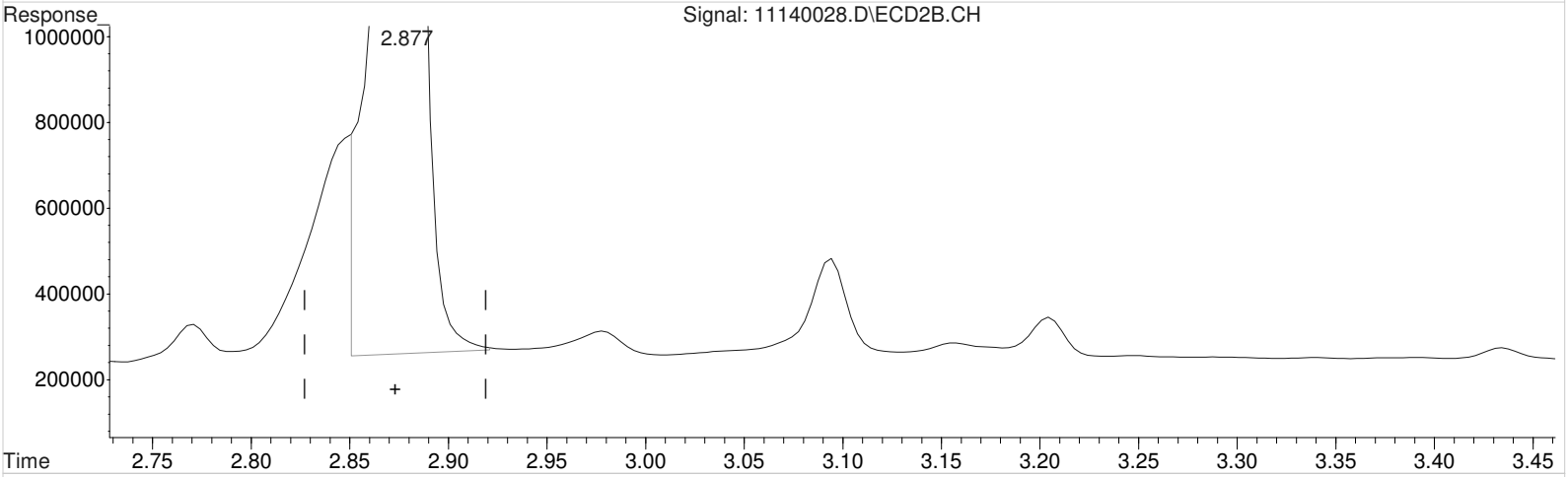
1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140028.D Vial: 2
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 12:35 am Operator: UA
Sample : PENTA2-14N 100PB Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 11:25:06 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(1) Dalapon (m)

3.124min 99.622 ppb m

response 2416677

Manual Integration:

After

Baseline/Shoulder

11/16/20

(1) Dalapon #2 (m)

2.877min 96.563 ppb m

response 4665219

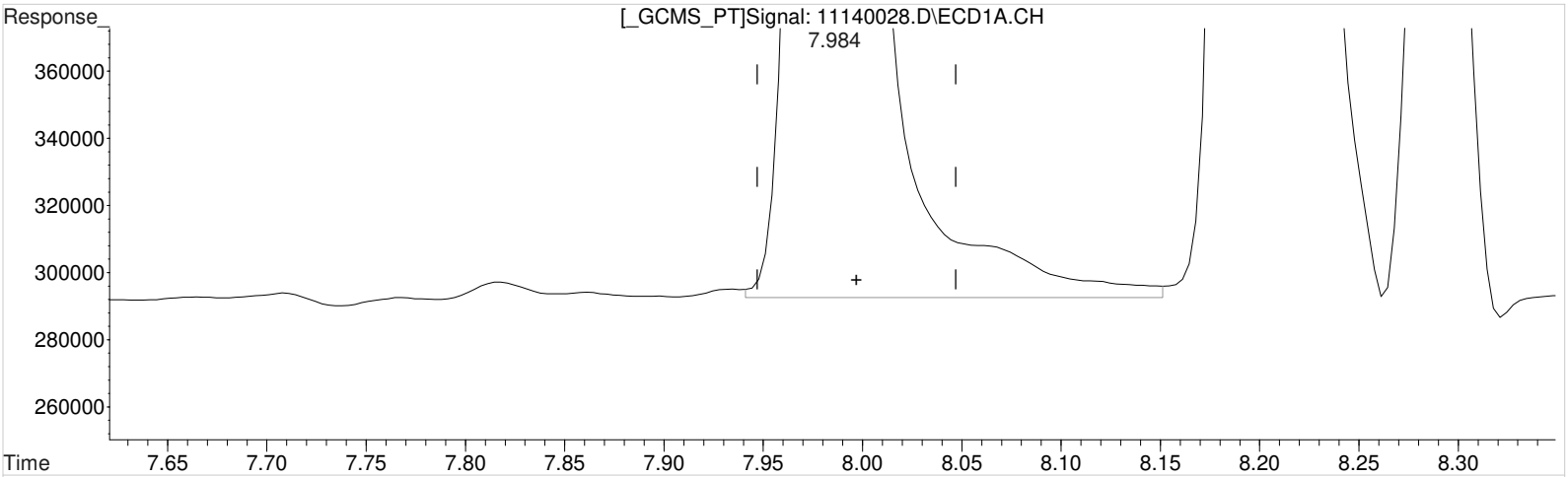
(+) = Expected Retention Time

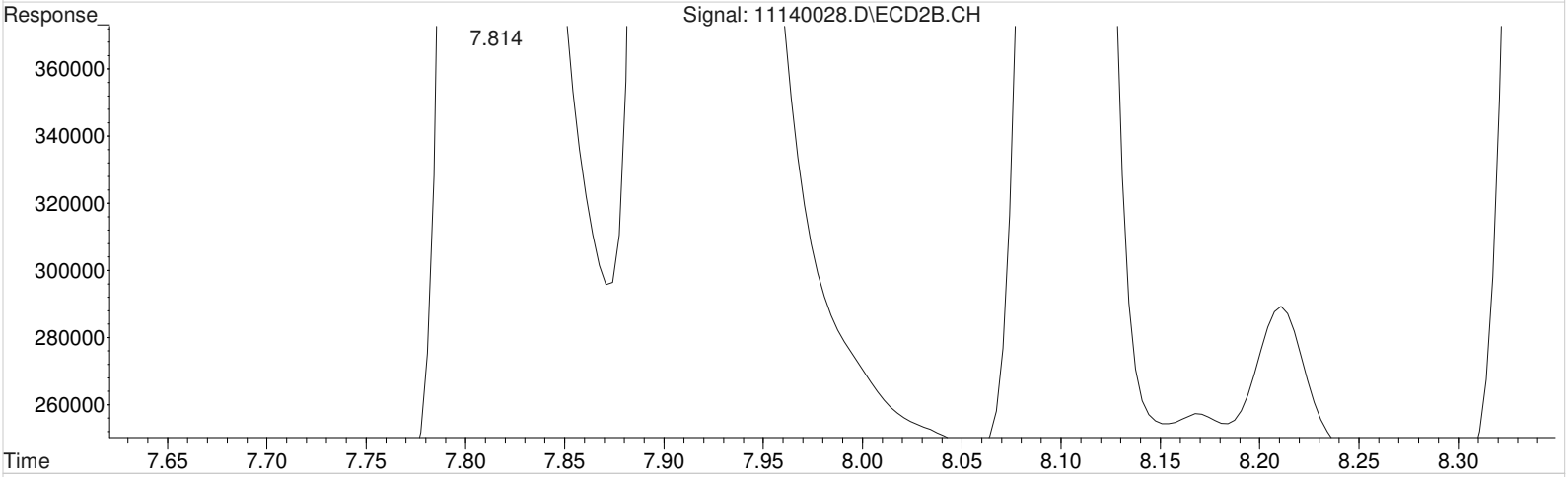
1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140028.D Vial: 2
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 12:35 am Operator: UA
Sample : PENTA2-14N 100PB Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 11:25:06 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(2) 2,4-Dichlorophenylacetic Acid (s)

7.984min 99.801 ppb

response 1816038

Manual Integration:

Before

11/16/20

(2) 2,4-Dichlorophenylacetic Acid #2 (s)

7.814min 100.861 ppb

response 4266185

(+) = Expected Retention Time

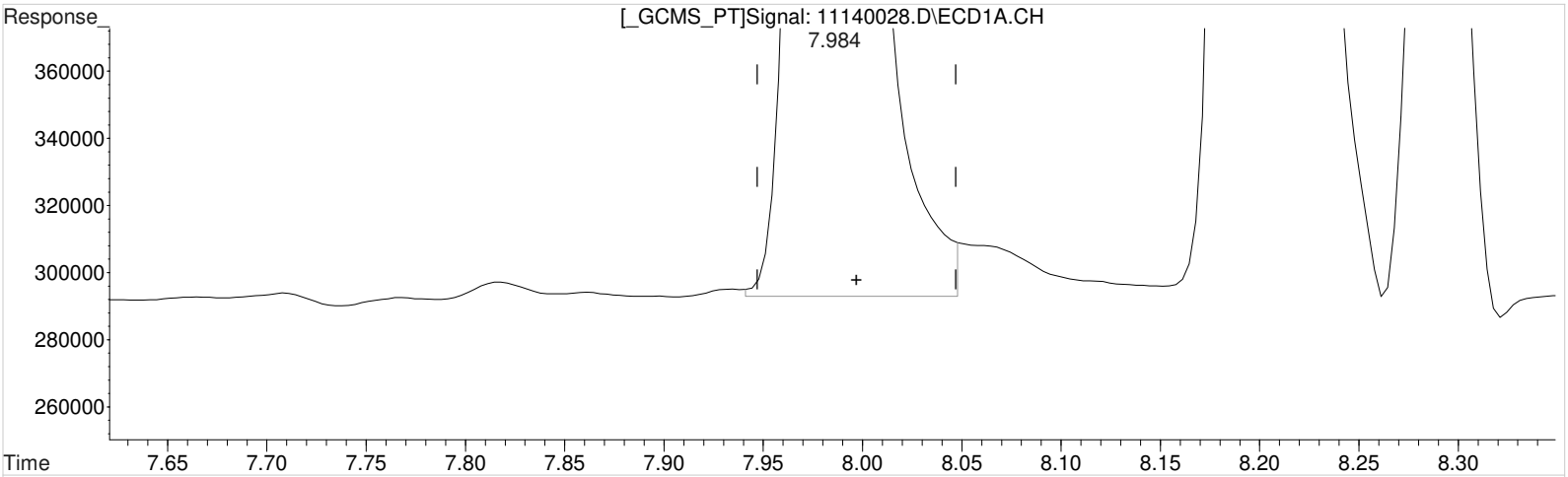
Quantitation Report (Qedit)

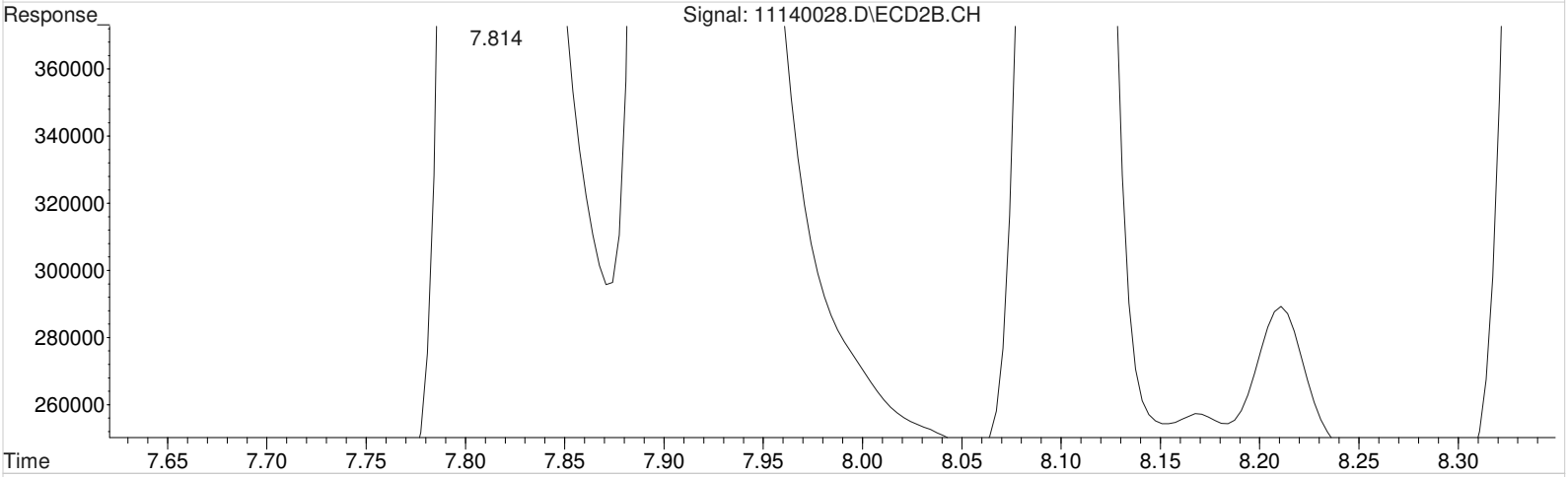
1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140028.D Vial: 2
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 12:35 am Operator: UA
Sample : PENTA2-14N 100PB Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 11:25:06 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(2) 2,4-Dichlorophenylacetic Acid (s)

7.984min 96.858 ppb m

response 1762491

Manual Integration:

After

Baseline/Shoulder

11/16/20

(2) 2,4-Dichlorophenylacetic Acid #2 (s)

7.814min 100.861 ppb

response 4266185

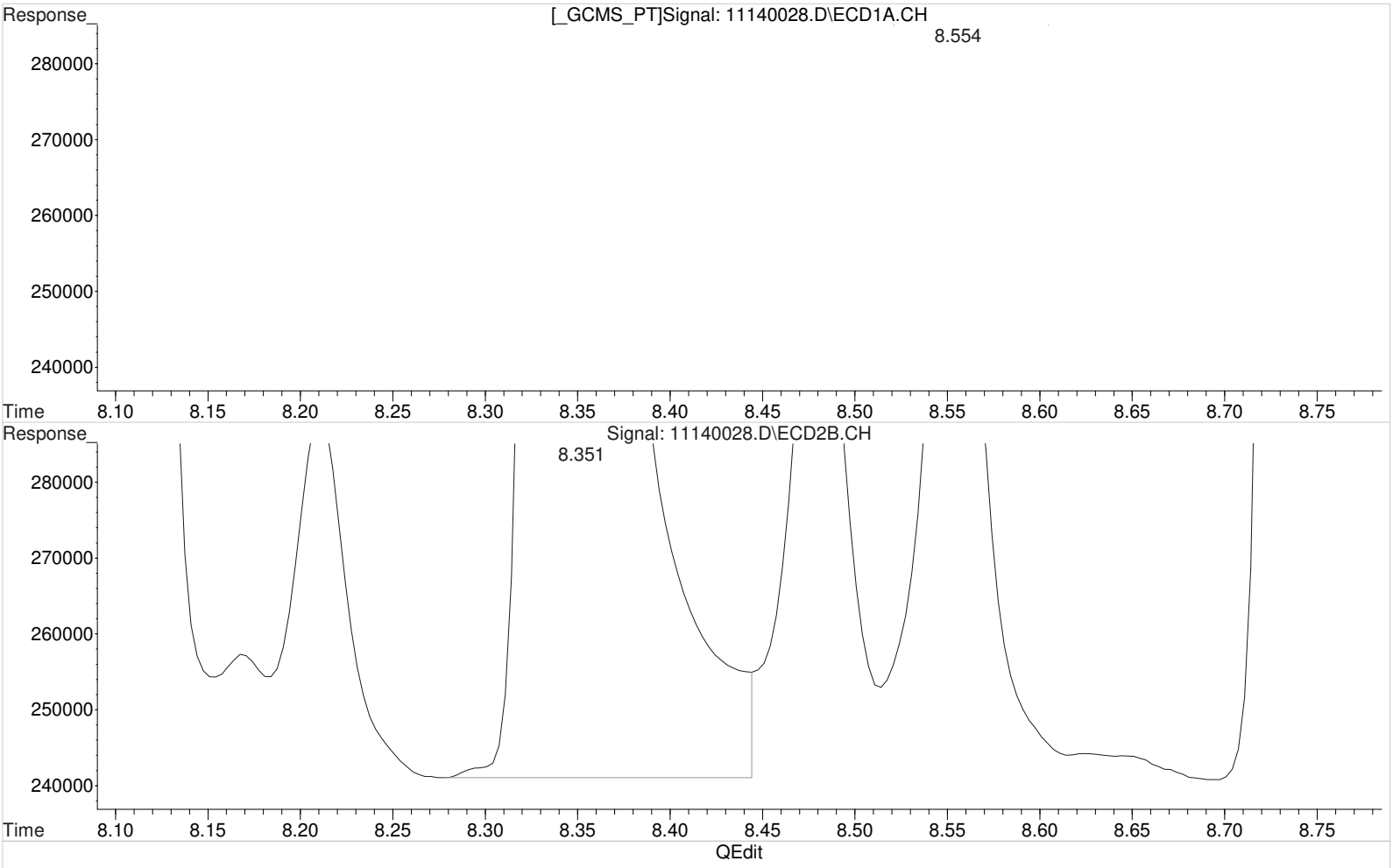
(+) = Expected Retention Time

1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140028.D Vial: 2
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 12:35 am Operator: UA
Sample : PENTA2-14N 100PB Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 11:25:06 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm



QEdit

(5) MCPA (m)

8.554min 10254.331 ppb

response 600417

Manual Integration:

Before

11/16/20

(5) MCPA #2 (m)

8.351min 11837.088 ppb

response 2595128

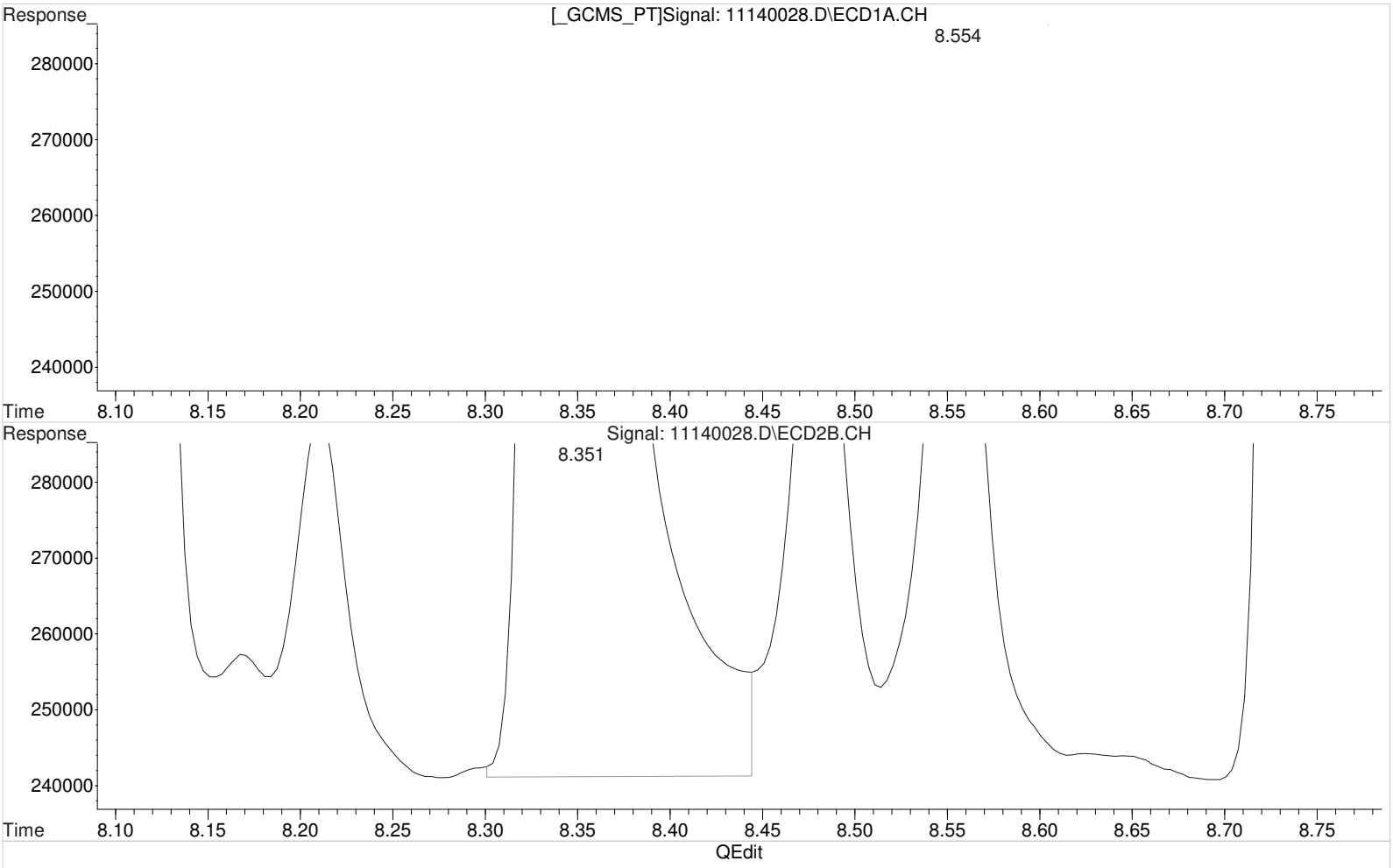
(+) = Expected Retention Time

1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140028.D Vial: 2
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 12:35 am Operator: UA
Sample : PENTA2-14N 100PB Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 11:25:06 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm



QEdit

(5) MCPA (m)

8.554min 10254.331 ppb

response 600417

Manual Integration:

After

Baseline/Shoulder

11/16/20

(5) MCPA #2 (m)

8.351min 11824.916 ppb m

response 2592825

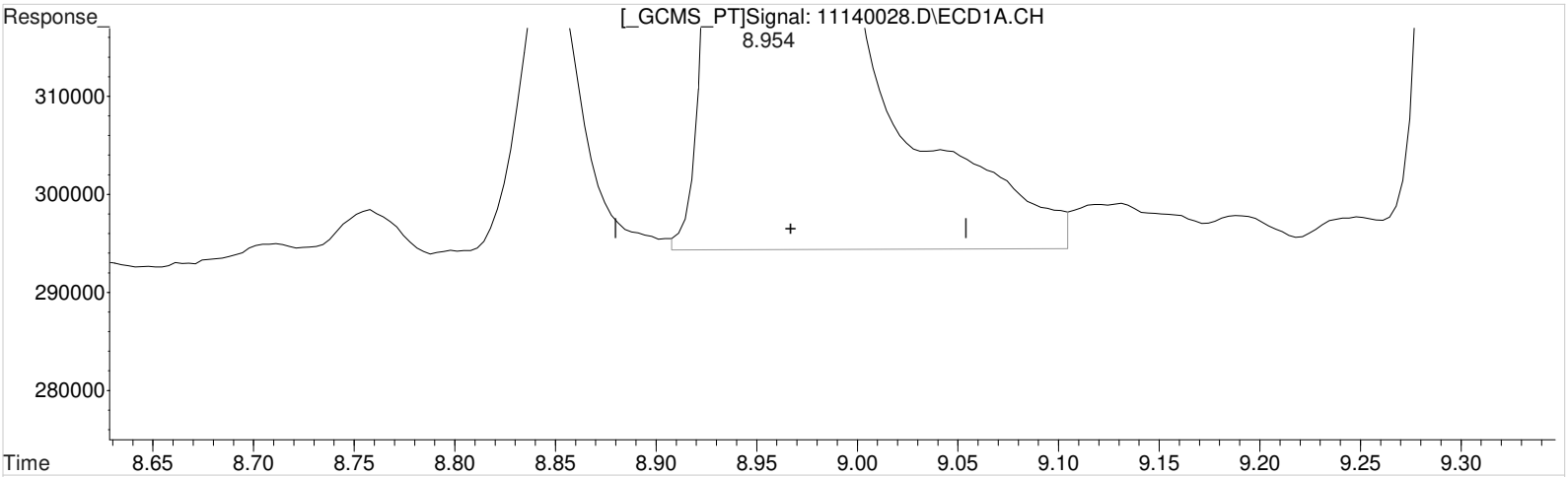
(+) = Expected Retention Time

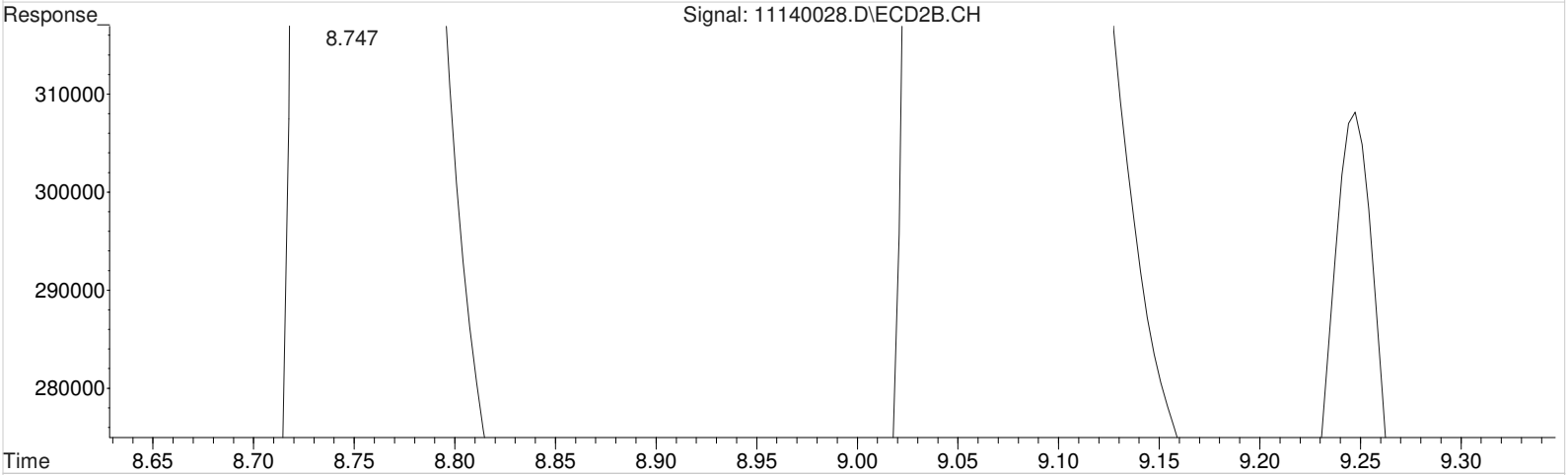
1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140028.D Vial: 2
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 12:35 am Operator: UA
Sample : PENTA2-14N 100PB Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 11:25:06 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(6) Dichloroprop (m)

8.954min 100.954 ppb

response 1882572

(6) Dichloroprop #2 (m)

8.747min 109.262 ppb

response 4557888

Manual Integration:

Before

11/16/20

(+) = Expected Retention Time

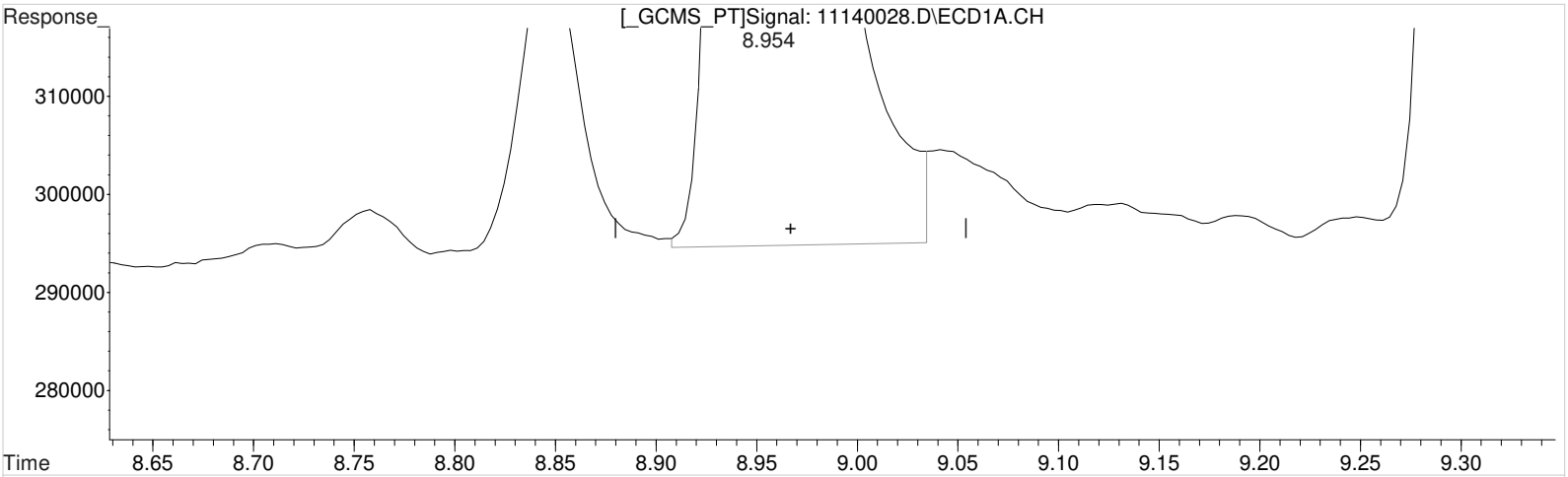
Quantitation Report (Qedit)

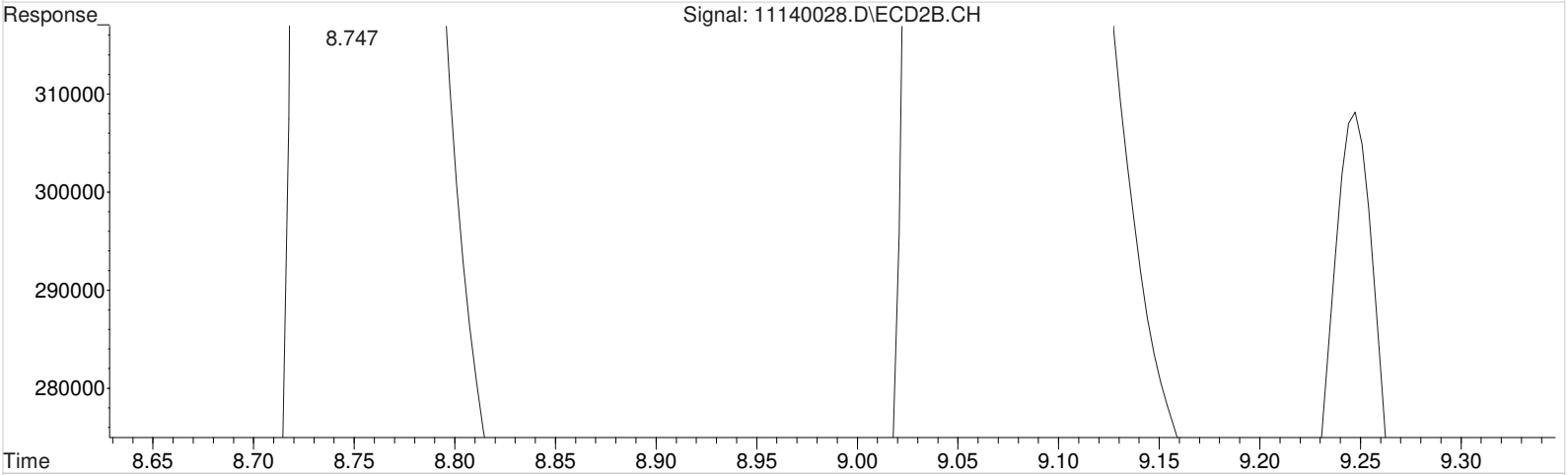
1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140028.D Vial: 2
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 12:35 am Operator: UA
Sample : PENTA2-14N 100PB Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 11:25:06 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(6) Dichloroprop (m)

8.954min 99.190 ppb m

response 1849679

Manual Integration:

After

Baseline/Shoulder

11/16/20

(6) Dichloroprop #2 (m)

8.747min 109.262 ppb

response 4557888

(+) = Expected Retention Time

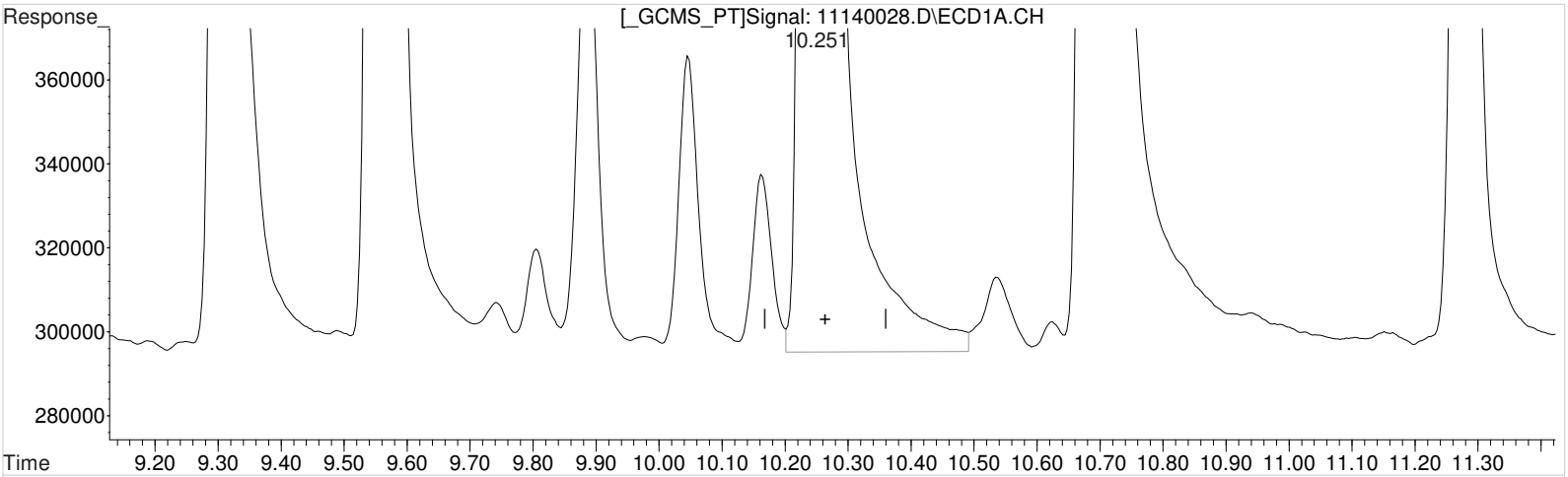
Quantitation Report (Qedit)

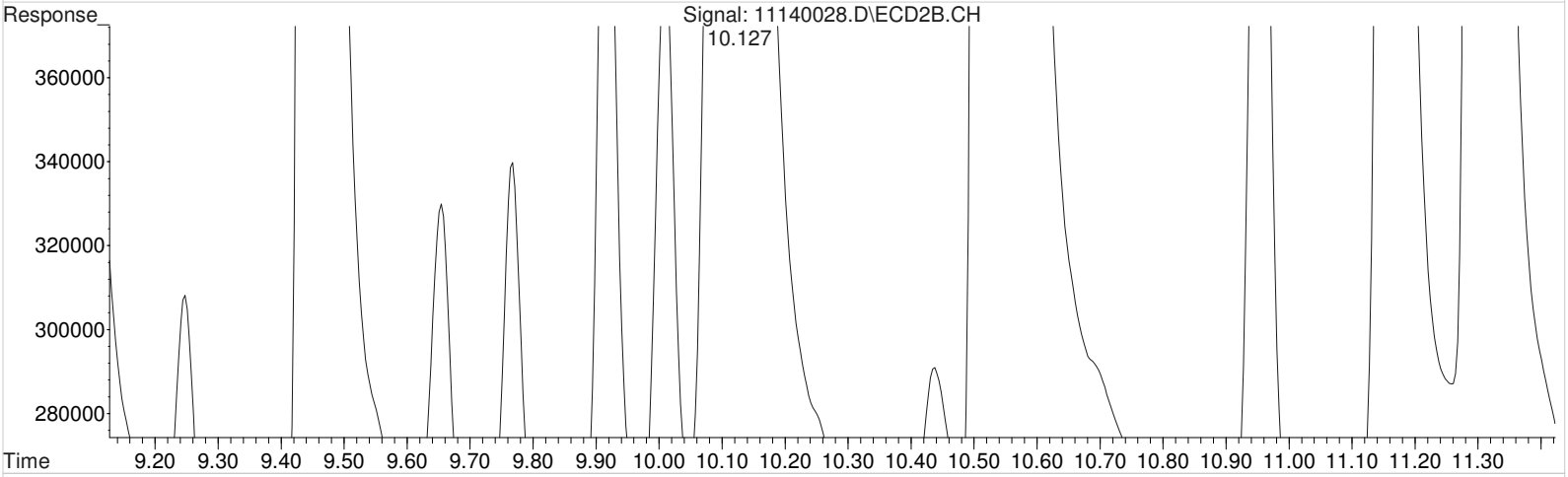
1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140028.D Vial: 2
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 12:35 am Operator: UA
Sample : PENTA2-14N 100PB Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 11:25:06 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(8) 2,4,5-TP (Silvex) (m)

10.251min 101.875 ppb

response 9543805

(8) 2,4,5-TP (Silvex) #2 (m)

10.127min 119.669 ppb

response 24292521

Manual Integration:

Before

11/16/20

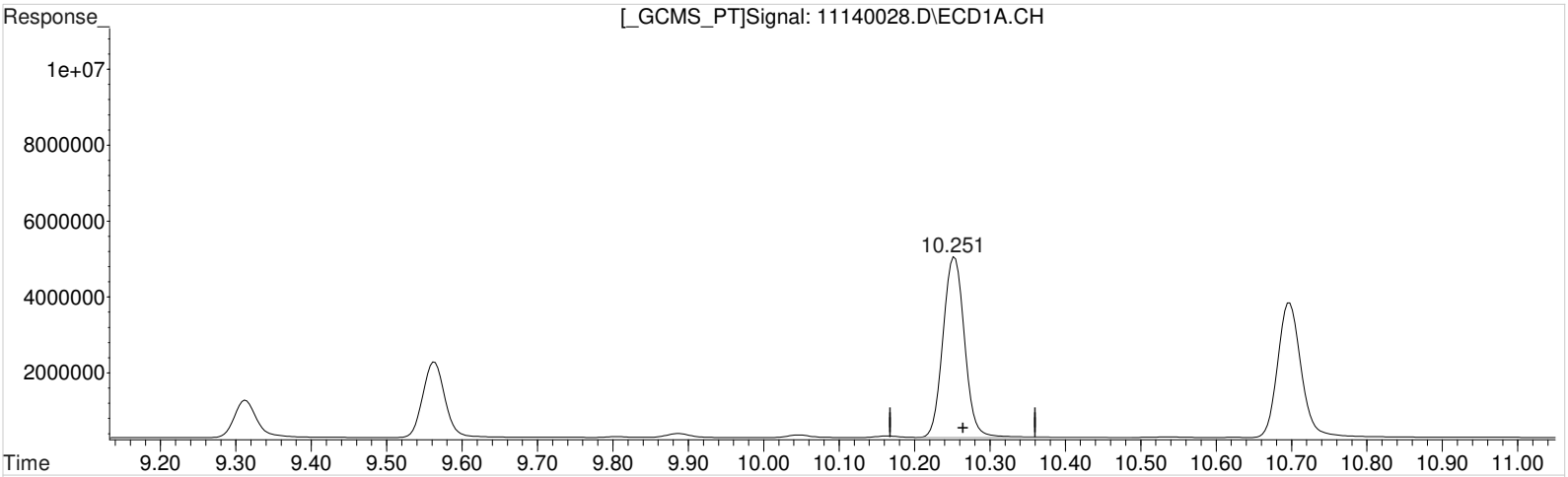
(+) = Expected Retention Time

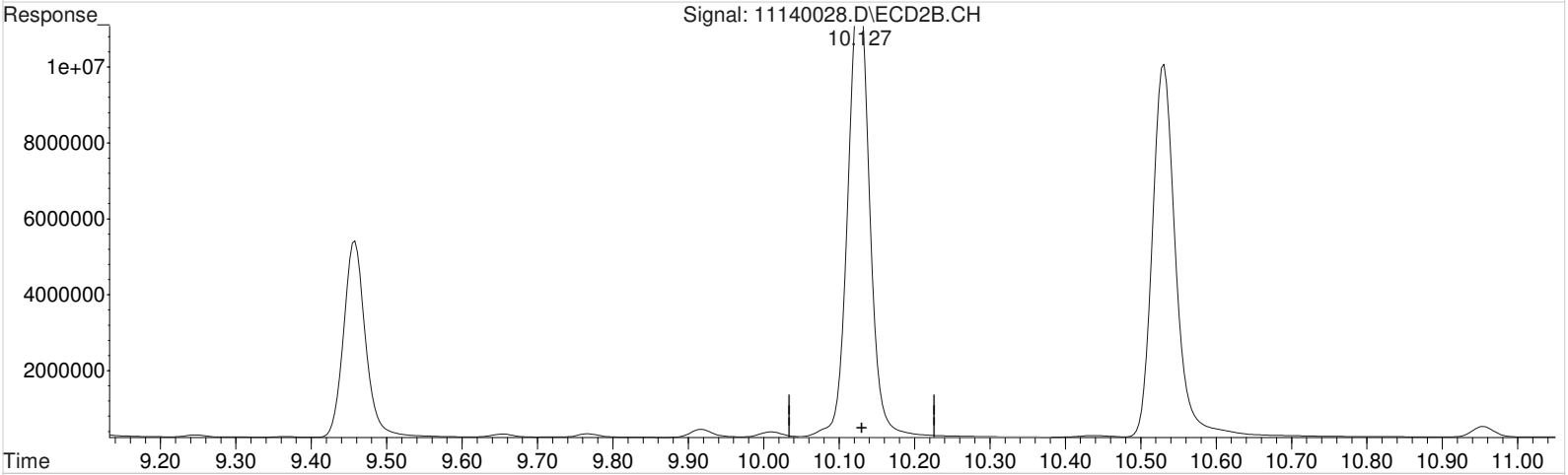
1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140028.D Vial: 2
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 12:35 am Operator: UA
Sample : PENTA2-14N 100PB Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 11:25:06 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(8) 2,4,5-TP (Silvex) (m)

10.251min 101.556 ppb m

response 9513842

(8) 2,4,5-TP (Silvex) #2 (m)

10.127min 119.669 ppb

response 24292521

Manual Integration:

Before

11/16/20

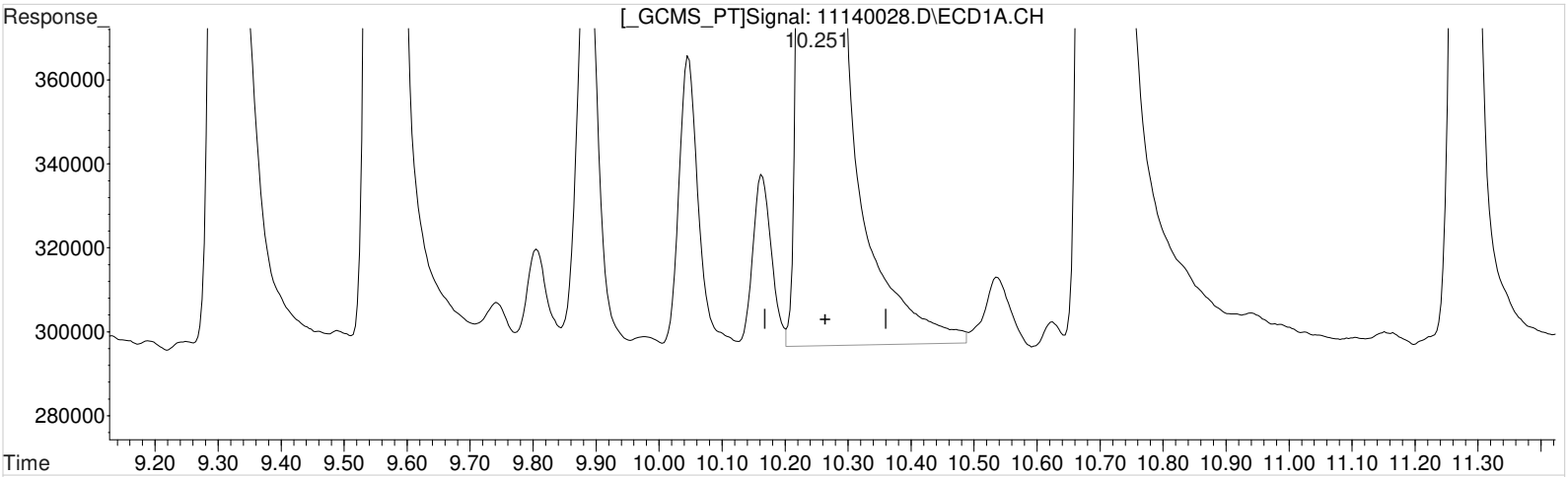
(+) = Expected Retention Time

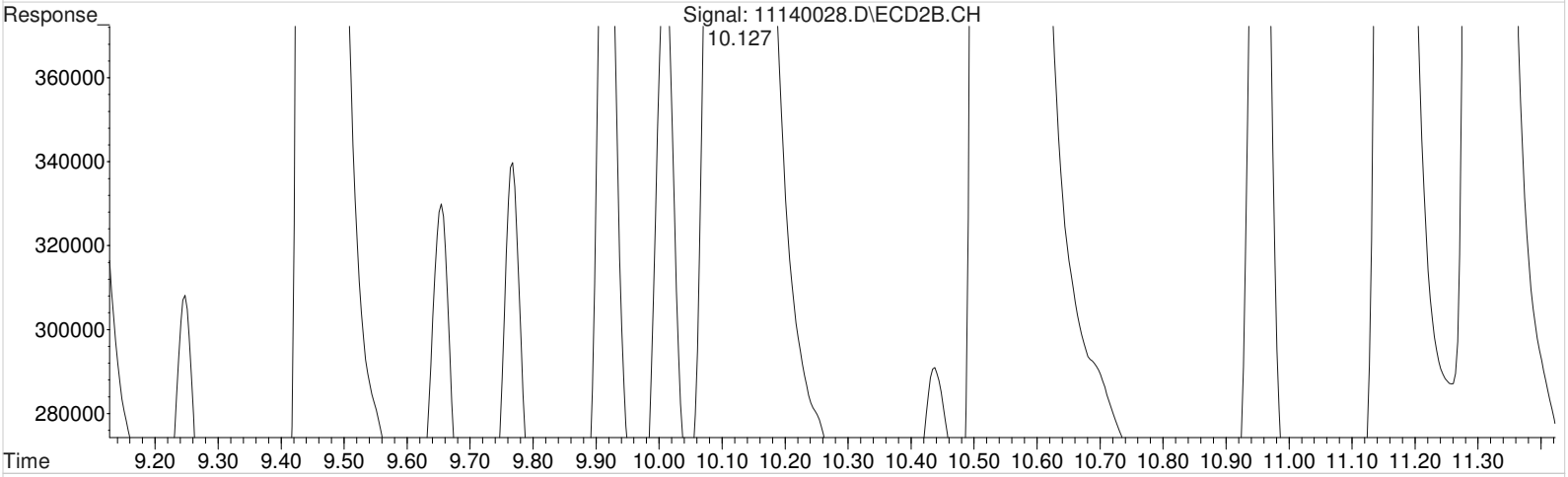
1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140028.D Vial: 2
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 12:35 am Operator: UA
Sample : PENTA2-14N 100PB Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 11:25:06 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(8) 2,4,5-TP (Silvex) (m)

10.251min 101.556 ppb m

response 9513842

(8) 2,4,5-TP (Silvex) #2 (m)

10.127min 119.669 ppb

response 24292521

Manual Integration:

After

Baseline/Shoulder

11/16/20

(+) = Expected Retention Time

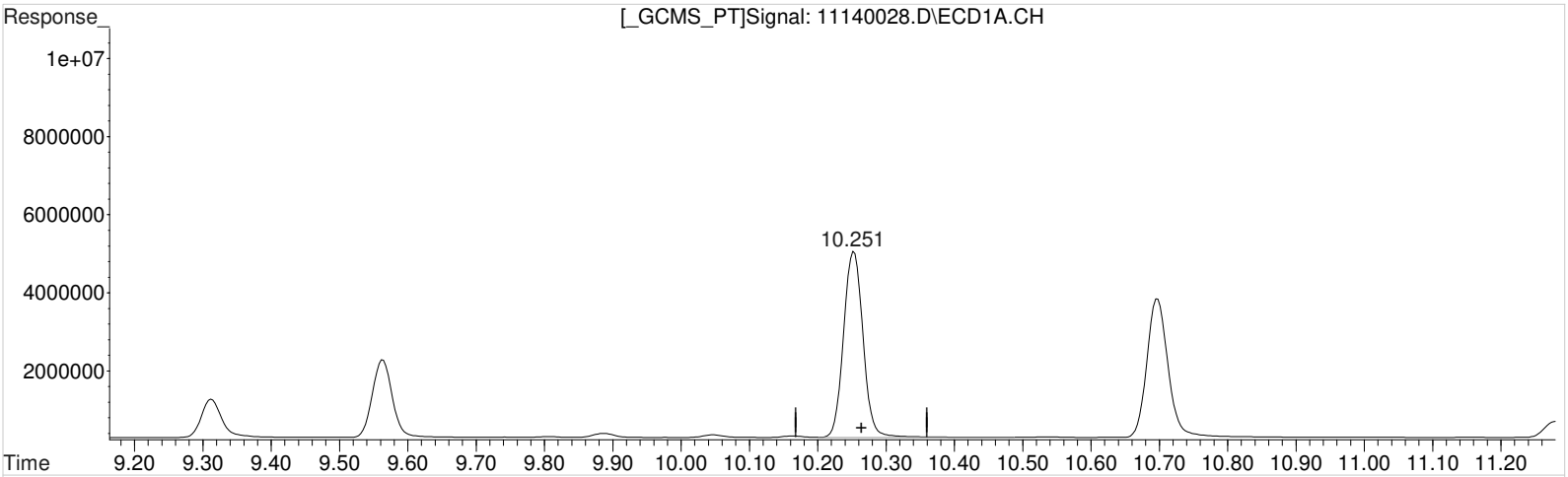
Quantitation Report (Qedit)

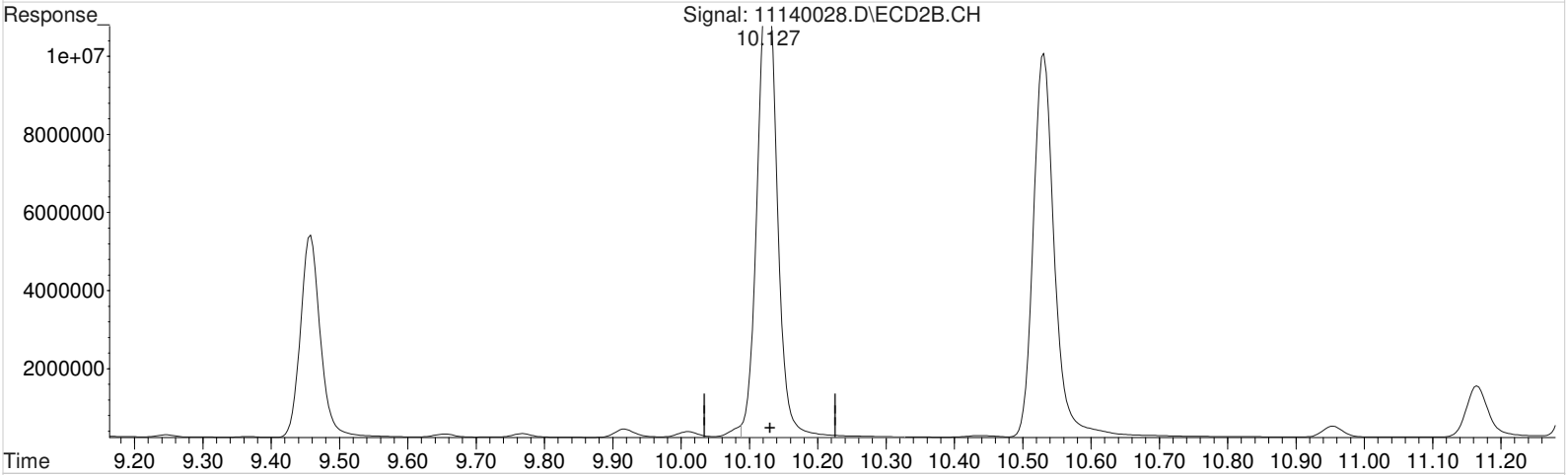
1st 11/16/20
2nd UA 11/17/20

Data File : J:\gc24\data\111420\11140028.D Vial: 2
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Nov 2020 12:35 am Operator: UA
Sample : PENTA2-14N 100PB Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Nov 16 11:25:06 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(8) 2,4,5-TP (Silvex) (m)

10.251min 101.556 ppb m

response 9513842

Manual Integration:

After

Baseline/Shoulder

11/16/20

(8) 2,4,5-TP (Silvex) #2 (m)

10.127min 118.232 ppb m

response 24000941

(+) = Expected Retention Time

Injection Log

Directory: J:\gc24\data\102120

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	100	10210001.d	1.	CCV PRIMER		21 Oct 2020 12:34
2	100	10210002.d	1.	CCV PRIMER		21 Oct 2020 12:58
3	1	10210003.d	1.	IB		Unrecognized:Un
4	3	10210004.d	1.	PENTA2-14K 10PPB		Unrecognized:Un
5	4	10210005.d	1.	PENTA2-14L 25PPB		Unrecognized:Un
6	5	10210006.d	1.	PENTA2-14M 75PPB		Unrecognized:Un
7	6	10210007.d	1.	PENTA2-14N 100PB		Unrecognized:Un
8	7	10210008.d	1.	PENTA2-15A 125PB		Unrecognized:Un
9	8	10210009.d	1.	PENTA2-15B 150PB		Unrecognized:Un
10	9	10210010.d	1.	PENTA2-15C 175PB		Unrecognized:Un
11	10	10210011.d	1.	PENTA2-15D 200PB		Unrecognized:Un
12	11	10210012.d	1.	PENTA2-15E ICV 100 PPB		Unrecognized:Un

ICAL: KC2000566

ALS-Kelso
Initial Calibration Checklist GC

Method: 8151A Herb
ICAL ID or Date: KC2000566
Instrument: GC-24

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 < ½ 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 doubl 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.
☑	☑	ICV is quantitated against new ICAL.
☑	☑	ICV meets method criteria.
☑	☑	Linked in ~~Stealth~~ LIMS 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~~ LIMS.
☑	☑	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: 10-21-20

Secondary: _____ Date: 10/22/20

Response Factor Report HP G1530A

Method Path : J:\gc24\Methods\
Method File : 102120_8151.M
Title : 103118_8151.m MJ215 CAL_KC1800
Last Update : Wed Oct 21 17:31:59 2020
Response Via : Initial Calibration

Calibration Files
1 =10210004.D 2 =10210005.D =
4 =10210006.D 5 =10210007.D 6 =10210008.D

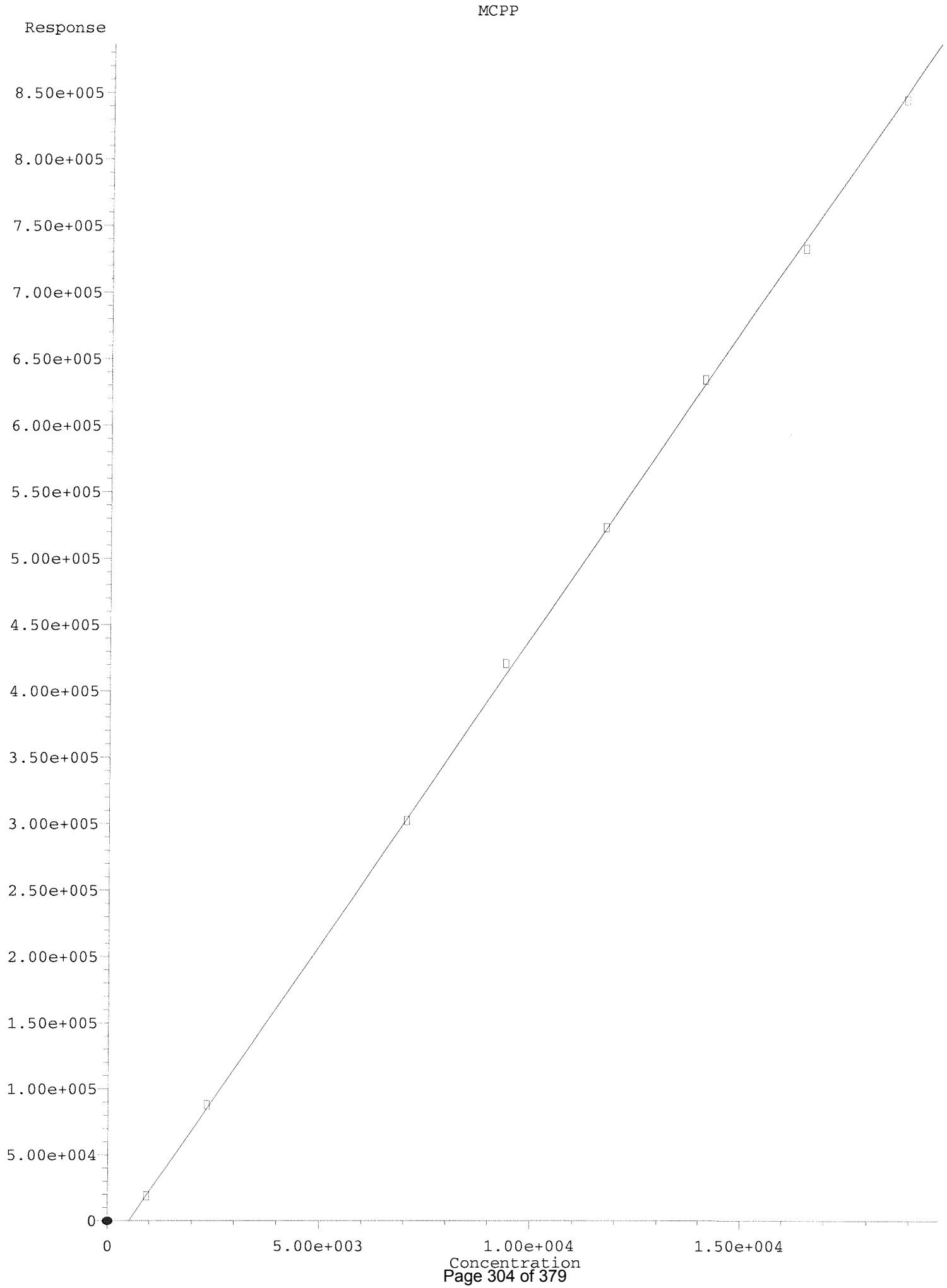
		Compound	1	2	4	5	6	Avg		%RSD
1)	m	Dalapon	2.671	2.733	2.254	2.374	2.344	2.385	2.426 E4	7.29
2)	s	2,4-Dichlorop...	2.115	2.015	1.798	1.794	1.738	1.732	1.820 E4	8.79
3)	m	Dicamba	7.596	7.540	6.777	6.892	6.778	6.830	6.980 E4	5.27
4)	m	MCPP	2.001	3.740	4.291	4.480	4.454	4.501	4.053 E1	21.41
5)	m	MCPA	4.567	6.110	6.022	6.133	6.030	6.046	5.855 E1	8.95
6)	m	Dichloroprop	2.275	2.117	1.795	1.815	1.755	1.752	1.865 E4	11.40
7)	m	2,4-D	2.488	2.377	2.075	2.056	2.029	2.025	2.124 E4	9.25
8)	m	2,4,5-TP (Sil...	9.752	9.790	9.082	9.310	9.221	9.360	9.368 E4	2.80
9)	m	2,4,5-T	8.692	8.723	8.157	8.121	8.142	8.264	8.251 E4	3.64
10)	m	2,4-DB	1.110	1.172	1.003	0.994	1.001	1.003	1.026 E4	7.40
11)	m	Dinoseb	6.933	6.670	6.137	6.031	5.965	6.030	6.187 E4	6.41

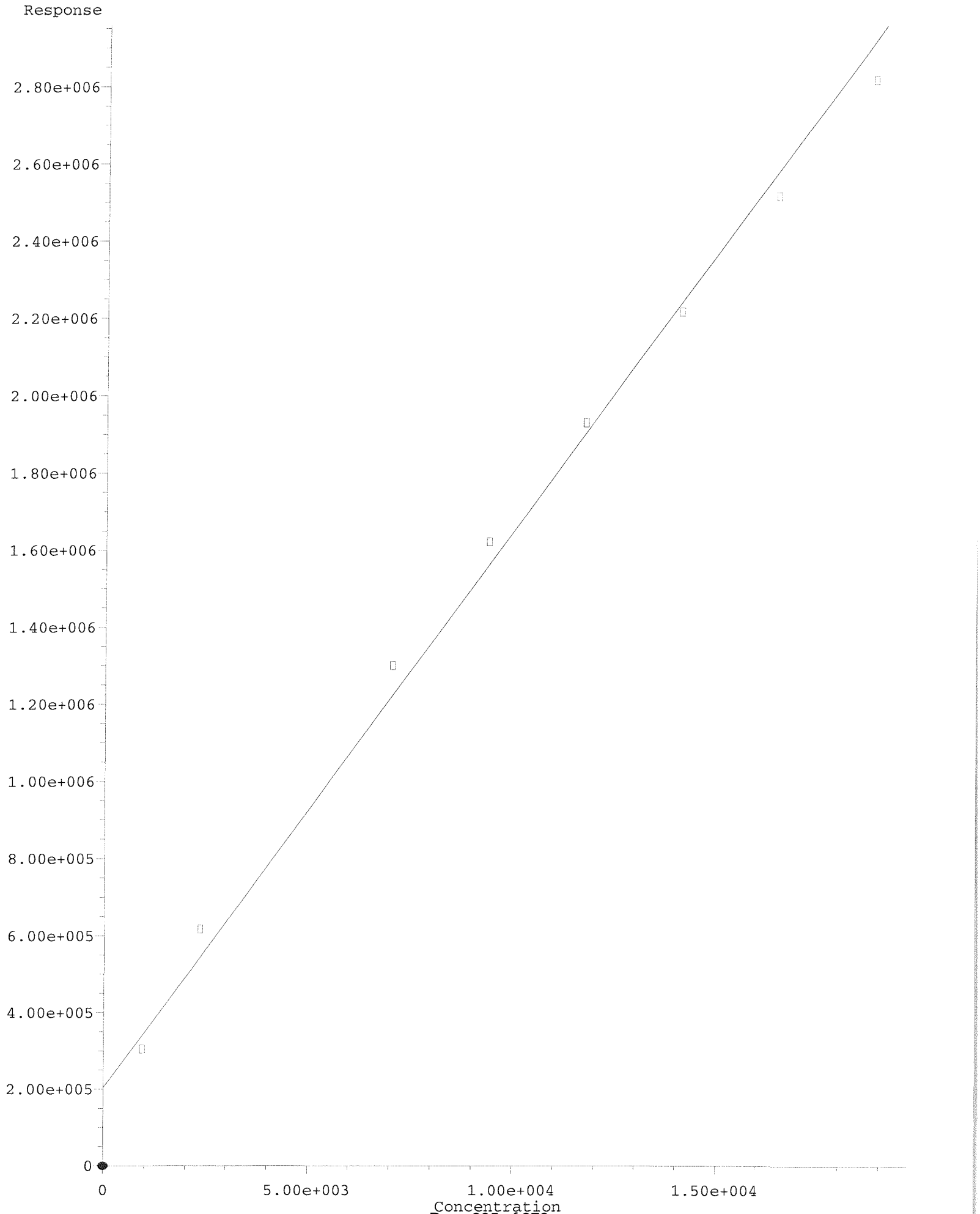
Signal #2 Calibration Files
1 =10210004.D 2 =10210005.D =
4 =10210006.D 5 =10210007.D 6 =10210008.D

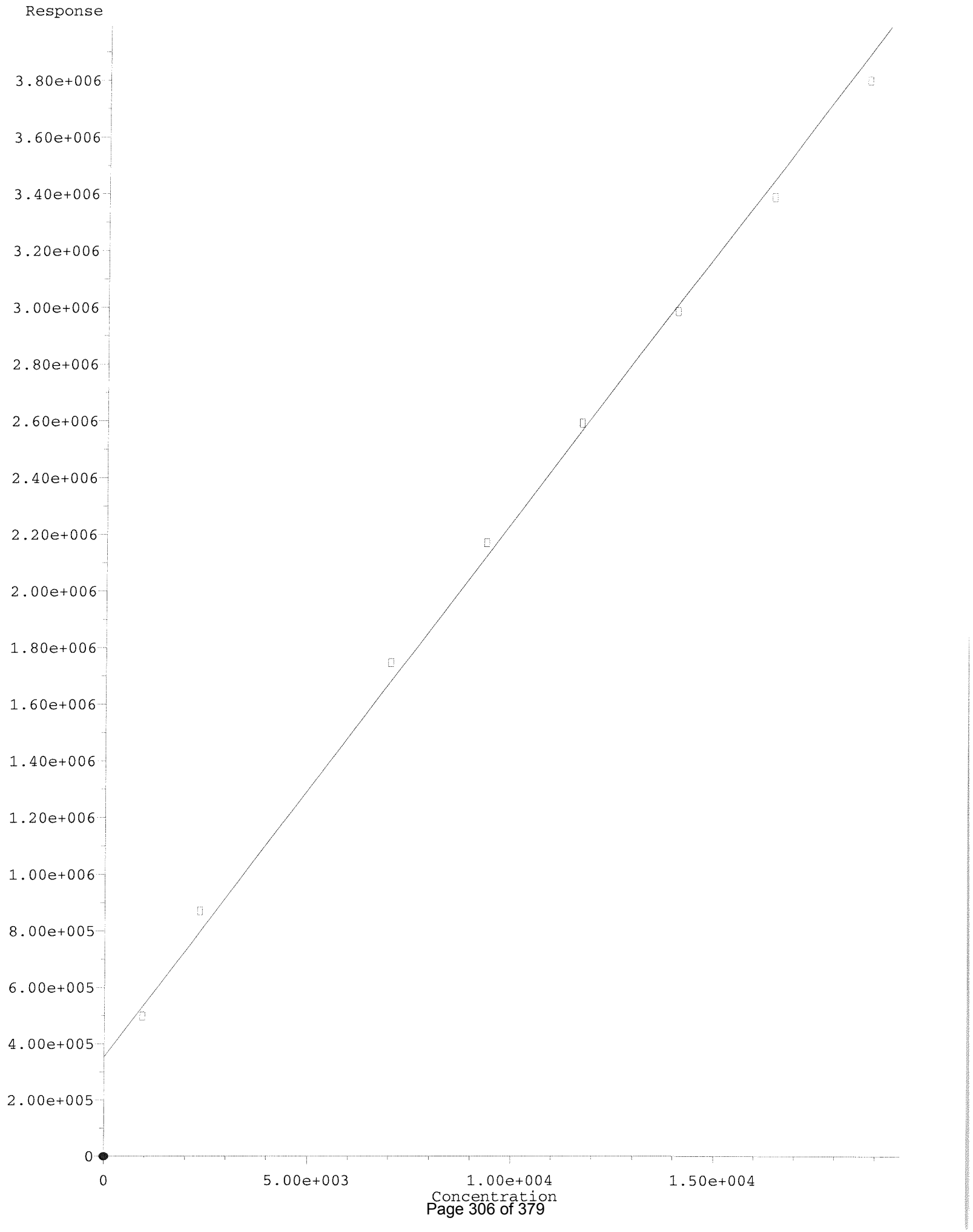
		Compound	1	2	4	5	6	Avg		%RSD
1)	m	Dalapon	5.105	5.207	4.698	4.631	4.838	4.664	4.831 E4	4.39
2)	s	2,4-Dichlorop...	5.587	4.943	4.041	3.953	3.892	3.822	4.230 E4	15.77
3)	m	Dicamba	1.724	1.593	1.424	1.430	1.425	1.416	1.482 E5	7.71
4)	m	MCPP	3.248	2.629	1.847	1.727	1.645	1.574	1.963 E2	32.32
5)	m	MCPA	5.322	3.724	2.492	2.323	2.218	2.130	2.789 E2	41.64
6)	m	Dichloroprop	5.440	4.793	3.993	3.939	3.868	3.809	4.172 E4	14.71
7)	m	2,4-D	6.995	5.929	4.845	4.767	4.681	4.616	5.120 E4	17.22
8)	m	2,4,5-TP (Sil...	2.358	2.178	1.953	1.956	1.949	1.947	2.030 E5	7.62
9)	m	2,4,5-T	2.241	2.074	1.833	1.848	1.821	1.835	1.914 E5	8.20
10)	m	2,4-DB	3.572	3.225	2.779	2.756	2.726	2.732	2.902 E4	11.07
11)	m	Dinoseb	1.678	1.515	1.309	1.301	1.294	1.286	1.368 E5	10.83

(#) = Out of Range ### Number of calibration levels exceeded format ###

102120_8151.M Wed Oct 21 17:48:58 2020


MCPP
Response
8.50e+005
8.00e+005
7.50e+005
7.00e+005
6.50e+005
6.00e+005
5.50e+005
5.00e+005
4.50e+005
4.00e+005
3.50e+005
3.00e+005
2.50e+005
2.00e+005
1.50e+005
1.00e+005
5.00e+004
0
0
5.00e+003
1.00e+004
1.50e+004
Concentration


MCPP #2
Response
2.80e+006
2.60e+006
2.40e+006
2.20e+006
2.00e+006
1.80e+006
1.60e+006
1.40e+006
1.20e+006
1.00e+006
8.00e+005
6.00e+005
4.00e+005
2.00e+005
0
0
5.00e+003
1.00e+004
1.50e+004
Concentration


MCPA #2
Response
3.80e+006
3.60e+006
3.40e+006
3.20e+006
3.00e+006
2.80e+006
2.60e+006
2.40e+006
2.20e+006
2.00e+006
1.80e+006
1.60e+006
1.40e+006
1.20e+006
1.00e+006
8.00e+005
6.00e+005
4.00e+005
2.00e+005
0
0
5.00e+003
1.00e+004
1.50e+004
Concentration

Initial Calibration - Detailed Report

Calibration ID: KC2000566 **Instrument ID:** K-GC-24
Column Name: RTX-CLP2

#	Lab Code	Sample Name	File Location	Aquisition Date
01	KC2000566-01	PENTA2-14K 10PPB	J:\gc24\data\102120\10210004.D	10/21/2020 13:46
02	KC2000566-02	PENTA2-14L 25PPB	J:\gc24\data\102120\10210005.D	10/21/2020 14:09
03	KC2000566-03	PENTA2-14M 75PPB	J:\gc24\data\102120\10210006.D	10/21/2020 14:33
04	KC2000566-04	PENTA2-14N 100PB	J:\gc24\data\102120\10210007.D	10/21/2020 14:57
05	KC2000566-05	PENTA2-15A 125PB	J:\gc24\data\102120\10210008.D	10/21/2020 15:21
06	KC2000566-06	PENTA2-15B 150PB	J:\gc24\data\102120\10210009.D	10/21/2020 15:44
07	KC2000566-07	PENTA2-15C 175PB	J:\gc24\data\102120\10210010.D	10/21/2020 16:08
08	KC2000566-08	PENTA2-15D 200PB	J:\gc24\data\102120\10210011.D	10/21/2020 16:32

Analyte **Curve Fit** **Weighting**

2,4,5-T

Average RF **RSD = 3.638** **Average RF = 8.251E4**

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	9.480	8.692E4	02	23.700	8.723E4	03	71.100	8.157E4	04	94.800	8.121E4
05	118.490	8.142E4	06	142.190	8.264E4	07	165.890	7.962E4	08	189.590	7.946E4

2,4,5-TP

Average RF **RSD = 2.798** **Average RF = 9.368E4**

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	9.510	9.752E4	02	23.760	9.79E4	03	71.300	9.082E4	04	95.100	9.31E4
05	118.820	9.221E4	06	142.580	9.36E4	07	166.340	9.245E4	08	190.100	9.185E4

2,4-D

Average RF **RSD = 9.253** **Average RF = 2.124E4**

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	9.400	2.488E4	02	23.510	2.377E4	03	70.500	2.075E4	04	94.000	2.056E4
05	117.540	2.029E4	06	141.050	2.025E4	07	164.560	1.991E4	08	188.060	1.951E4

2,4-DB

Average RF **RSD = 7.4** **Average RF = 1.026E4**

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	9.470	1.11E4	02	23.670	1.172E4	03	71.000	1.003E4	04	94.700	9.938E3
05	118.330	1.001E4	06	142.000	1.003E4	07	165.670	9.847E3	08	189.340	9.399E3

Dalapon

Average RF **RSD = 7.292** **Average RF = 2.426E4**

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	9.110	2.671E4	02	22.770	2.733E4	03	68.300	2.254E4	04	91.100	2.374E4
05	113.830	2.344E4	06	136.600	2.385E4	07	159.360	2.357E4	08	182.130	2.287E4

Dicamba

Average RF **RSD = 5.272** **Average RF = 6.98E4**

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	9.400	7.596E4	02	23.510	7.54E4	03	70.500	6.777E4	04	94.000	6.892E4
05	117.540	6.778E4	06	141.050	6.83E4	07	164.560	6.719E4	08	188.060	6.708E4

Dichlorprop

Average RF **RSD = 11.4** **Average RF = 1.865E4**

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	9.440	2.275E4	02	23.590	2.117E4	03	70.800	1.795E4	04	94.400	1.815E4
05	117.960	1.755E4	06	141.550	1.752E4	07	165.140	1.724E4	08	188.730	1.684E4

Dinoseb

Average RF **RSD = 6.412** **Average RF = 6.187E4**

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	9.450	6.933E4	02	23.620	6.67E4	03	70.900	6.137E4	04	94.500	6.031E4
05	118.100	5.965E4	06	141.720	6.03E4	07	165.340	5.89E4	08	188.960	5.837E4

Initial Calibration - Detailed Report

Calibration ID: KC2000566 **Instrument ID:** K-GC-24
Column Name: RTX-CLP2

MCPA

Average RF | **RSD = 8.948** | **Average RF = 5.855E1**

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	934.770	45.67	02	2336.600	61.1	03	7010.000	60.22	04	9346.000	61.33
05	11683.010	60.3	06	14019.610	60.46	07	16356.210	59.76	08	18692.820	59.57

MCPP

Linear **1/X** | **R2 = 0.99984741644702** | **Y=46.47 X+-2.364E+04**

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	938.770	20.01	02	2346.620	37.4	03	7040.000	42.91	04	9386.000	44.8
05	11733.100	44.54	06	14079.720	45.01	07	16426.340	44.58	08	18772.960	44.98

2,4-Dichlorophenylacetic Acid

Average RF | **RSD = 8.791** | **Average RF = 1.82E4**

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	9.020	2.115E4	02	22.550	2.015E4	03	67.600	1.798E4	04	90.200	1.794E4
05	112.730	1.738E4	06	135.280	1.732E4	07	157.830	1.694E4	08	180.370	1.67E4

Analyte

2,4,5-T

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
01	9.480	9.99	5.3	02	23.700	25.1	5.7	03	71.100	70.3	-1.1
04	94.800	93.3	-1.6	05	118.490	117	-1.3	06	142.190	142	0.2
07	165.890	160	-3.5	08	189.590	183	-3.7				

2,4,5-TP

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
01	9.510	9.90	4.1	02	23.760	24.8	4.5	03	71.300	69.1	-3.1
04	95.100	94.5	-0.6	05	118.820	117	-1.6	06	142.580	142	-0.1
07	166.340	164	-1.3	08	190.100	186	-2.0				

2,4-D

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
01	9.400	11.0	17.2	02	23.510	26.3	11.9	03	70.500	68.9	-2.3
04	94.000	91.0	-3.2	05	117.540	112	-4.5	06	141.050	134	-4.7
07	164.560	154	-6.3	08	188.060	173	-8.2				

2,4-DB

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
01	9.470	10.2	8.2	02	23.670	27.0	14.3	03	71.000	69.4	-2.3
04	94.700	91.7	-3.1	05	118.330	116	-2.4	06	142.000	139	-2.3
07	165.670	159	-4.0	08	189.340	173	-8.4				

Dalapon

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
01	9.110	10.0	10.1	02	22.770	25.7	12.7	03	68.300	63.5	-7.1
04	91.100	89.1	-2.1	05	113.830	110	-3.4	06	136.600	134	-1.7
07	159.360	155	-2.8	08	182.130	172	-5.7				

Dicamba

Initial Calibration - Detailed Report

Calibration ID: KC2000566 **Instrument ID:** K-GC-24
Column Name: RTX-CLP2

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
01	9.400	10.2	8.8	02	23.510	25.4	8.0	03	70.500	68.5	-2.9
04	94.000	92.8	-1.3	05	117.540	114	-2.9	06	141.050	138	-2.2
07	164.560	158	-3.7	08	188.060	181	-3.9				

Dichlorprop

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
01	9.440	11.5	22.0	02	23.590	26.8	13.5	03	70.800	68.2	-3.7
04	94.400	91.9	-2.7	05	117.960	111	-5.9	06	141.550	133	-6.0
07	165.140	153	-7.6	08	188.730	170	-9.7				

Dinoseb

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
01	9.450	10.6	12.1	02	23.620	25.5	7.8	03	70.900	70.3	-0.8
04	94.500	92.1	-2.5	05	118.100	114	-3.6	06	141.720	138	-2.5
07	165.340	157	-4.8	08	188.960	178	-5.6				

MCPA

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
01	934.770	729	-22.0	02	2336.600	2440	4.4	03	7010.000	7210	2.8
04	9346.000	9790	4.7	05	11683.010	12000	3.0	06	14019.610	14500	3.3
07	16356.210	16700	2.1	08	18692.820	19000	1.7				

MCPP

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
01	938.770	913	-2.8	02	2346.620	2400	2.2	03	7040.000	7010	-0.4
04	9386.000	9560	1.8	05	11733.100	11800	0.2	06	14079.720	14100	0.5
07	16426.340	16300	-1.0	08	18772.960	18700	-0.5				

2,4-Dichlorophenylacetic Acid

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
01	9.020	10.5	16.3	02	22.550	25.0	10.7	03	67.600	66.8	-1.2
04	90.200	88.9	-1.4	05	112.730	108	-4.5	06	135.280	129	-4.8
07	157.830	147	-6.9	08	180.370	166	-8.2				

Calibration ID: KC2000566 **Instrument ID:** K-GC-24
Column Name: ZB-XLB-HT

Initial Calibration - Detailed Report

Calibration ID: KC2000566 **Instrument ID:** K-GC-24
Column Name: ZB-XLB-HT

#	Lab Code	Sample Name	File Location	Aquisition Date
01	KC2000566-01	PENTA2-14K 10PPB	J:\gc24\data\102120\10210004.D\10210004c.d	10/21/2020 13:46
02	KC2000566-02	PENTA2-14L 25PPB	J:\gc24\data\102120\10210005.D\10210005c.d	10/21/2020 14:09
03	KC2000566-03	PENTA2-14M 75PPB	J:\gc24\data\102120\10210006.D\10210006c.d	10/21/2020 14:33
04	KC2000566-04	PENTA2-14N 100PB	J:\gc24\data\102120\10210007.D\10210007c.d	10/21/2020 14:57
05	KC2000566-05	PENTA2-15A 125PB	J:\gc24\data\102120\10210008.D\10210008c.d	10/21/2020 15:21
06	KC2000566-06	PENTA2-15B 150PB	J:\gc24\data\102120\10210009.D\10210009c.d	10/21/2020 15:44
07	KC2000566-07	PENTA2-15C 175PB	J:\gc24\data\102120\10210010.D\10210010c.d	10/21/2020 16:08
08	KC2000566-08	PENTA2-15D 200PB	J:\gc24\data\102120\10210011.D\10210011c.d	10/21/2020 16:32

Analyte **Curve Fit** **Weighting**

2,4,5-T

Average RF **RSD = 8.204** **Average RF = 1.914E5**

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	9.480	2.241E5	02	23.700	2.074E5	03	71.100	1.833E5	04	94.800	1.848E5
05	118.490	1.821E5	06	142.190	1.835E5	07	165.890	1.828E5	08	189.590	1.83E5

2,4,5-TP

Average RF **RSD = 7.62** **Average RF = 2.03E5**

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	9.510	2.358E5	02	23.760	2.178E5	03	71.300	1.953E5	04	95.100	1.956E5
05	118.820	1.949E5	06	142.580	1.947E5	07	166.340	1.946E5	08	190.100	1.952E5

2,4-D

Average RF **RSD = 17.22** **Average RF = 5.12E4**

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	9.400	6.995E4	02	23.510	5.929E4	03	70.500	4.845E4	04	94.000	4.767E4
05	117.540	4.681E4	06	141.050	4.616E4	07	164.560	4.575E4	08	188.060	4.551E4

2,4-DB

Average RF **RSD = 11.07** **Average RF = 2.902E4**

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	9.470	3.572E4	02	23.670	3.225E4	03	71.000	2.779E4	04	94.700	2.756E4
05	118.330	2.726E4	06	142.000	2.732E4	07	165.670	2.706E4	08	189.340	2.717E4

Dalapon

Average RF **RSD = 4.39** **Average RF = 4.831E4**

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	9.110	5.105E4	02	22.770	5.207E4	03	68.300	4.698E4	04	91.100	4.631E4
05	113.830	4.838E4	06	136.600	4.664E4	07	159.360	4.774E4	08	182.130	4.733E4

Dicamba

Average RF **RSD = 7.713** **Average RF = 1.482E5**

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	9.400	1.724E5	02	23.510	1.593E5	03	70.500	1.424E5	04	94.000	1.43E5
05	117.540	1.425E5	06	141.050	1.416E5	07	164.560	1.42E5	08	188.060	1.426E5

Dichlorprop

Average RF **RSD = 14.71** **Average RF = 4.172E4**

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	9.440	5.44E4	02	23.590	4.793E4	03	70.800	3.993E4	04	94.400	3.939E4
05	117.960	3.868E4	06	141.550	3.809E4	07	165.140	3.779E4	08	188.730	3.751E4

Dinoseb

Average RF **RSD = 10.83** **Average RF = 1.368E5**

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	9.450	1.678E5	02	23.620	1.515E5	03	70.900	1.309E5	04	94.500	1.301E5
05	118.100	1.294E5	06	141.720	1.286E5	07	165.340	1.279E5	08	188.960	1.278E5

Initial Calibration - Detailed Report

Calibration ID: KC2000566 **Instrument ID:** K-GC-24
Column Name: ZB-XLB-HT

MCPA **Linear** **1/X** **R2 = 0.9970434185726530** **Y=189.2 X+3.555E5**

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	934.770	532.2	02	2336.600	372.4	03	7010.000	249.2	04	9346.000	232.3
05	11683.010	221.8	06	14019.610	213	07	16356.210	207.2	08	18692.820	203.3

MCPP **Linear** **1/X** **R2 = 0.9944121406118910** **Y=144.7 X+2.053E5**

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	938.770	324.8	02	2346.620	262.9	03	7040.000	184.7	04	9386.000	172.7
05	11733.100	164.5	06	14079.720	157.4	07	16426.340	153.2	08	18772.960	150.1

2,4-Dichlorophenylacetic Acid **Average RF** **RSD = 15.77** **Average RF = 4.23E4**

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	9.020	5.587E4	02	22.550	4.943E4	03	67.600	4.041E4	04	90.200	3.953E4
05	112.730	3.892E4	06	135.280	3.822E4	07	157.830	3.814E4	08	180.370	3.787E4

Analyte

2,4,5-T

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
01	9.480	11.1	17.1	02	23.700	25.7	8.4	03	71.100	68.1	-4.2
04	94.800	91.6	-3.4	05	118.490	113	-4.8	06	142.190	136	-4.1
07	165.890	159	-4.5	08	189.590	181	-4.4				

2,4,5-TP

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
01	9.510	11.0	16.2	02	23.760	25.5	7.3	03	71.300	68.6	-3.8
04	95.100	91.6	-3.7	05	118.820	114	-4.0	06	142.580	137	-4.1
07	166.340	159	-4.2	08	190.100	183	-3.8				

2,4-D

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
01	9.400	12.8	**36.6**	02	23.510	27.2	15.8	03	70.500	66.7	-5.4
04	94.000	87.5	-6.9	05	117.540	107	-8.6	06	141.050	127	-9.8
07	164.560	147	-10.6	08	188.060	167	-11.1				

2,4-DB

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
01	9.470	11.7	23.1	02	23.670	26.3	11.2	03	71.000	68.0	-4.2
04	94.700	90.0	-5.0	05	118.330	111	-6.1	06	142.000	134	-5.8
07	165.670	154	-6.8	08	189.340	177	-6.4				

Dalapon

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
01	9.110	9.63	5.7	02	22.770	24.5	7.8	03	68.300	66.4	-2.8
04	91.100	87.3	-4.1	05	113.830	114	0.1	06	136.600	132	-3.5
07	159.360	157	-1.2	08	182.130	178	-2.0				

Dicamba

Initial Calibration Verification Summary Report

Calibration ID:	KC2000566	**Instrument ID:**	K-GC-24
Datafile ID:	J:\gc24\data\102120\10210012.D	**Column Name:**	ZB-XLB-HT

Analyte	Lab Code	Type	Curve Fit	True Value	Calc Conc	Units	Result	Criteria
2,4,5-T	KC2000566-09	T	Average RF	94.80	98.768	ppb	4.2	<= 20
2,4,5-TP	KC2000566-09	T	Average RF	95.10	92.500	ppb	-2.7	<= 20
2,4-D	KC2000566-09	T	Average RF	94	83.643	ppb	-11.0	<= 20
2,4-DB	KC2000566-09	T	Average RF	94.70	95.240	ppb	0.6	<= 20
Dalapon	KC2000566-09	T	Average RF	91.10	95.982	ppb	5.4	<= 20
Dicamba	KC2000566-09	T	Average RF	94	96.106	ppb	2.2	<= 20
Dichlorprop	KC2000566-09	T	Average RF	94.40	85.597	ppb	-9.3	<= 20
Dinoseb	KC2000566-09	T	Average RF	94.50	94.362	ppb	-0.1	<= 20
MCPA	KC2000566-09	T	Linear	9346	10030.937	ppb	7.3	<= 20
MCPP	KC2000566-09	T	Linear	9386	10136.279	ppb	8.0	<= 20

Calibration ID:	KC2000566	**Instrument ID:**	K-GC-24
Datafile ID:	J:\gc24\data\102120\10210012.D	**Column Name:**	RTX-CLP2

Analyte	Lab Code	Type	Curve Fit	True Value	Calc Conc	Units	Result	Criteria
2,4,5-T	KC2000566-09	T	Average RF	94.80	98.209	ppb	3.6	<= 20
2,4,5-TP	KC2000566-09	T	Average RF	95.10	93.370	ppb	-1.8	<= 20
2,4-D	KC2000566-09	T	Average RF	94	90.423	ppb	-3.8	<= 20
2,4-DB	KC2000566-09	T	Average RF	94.70	93.935	ppb	-0.8	<= 20
Dalapon	KC2000566-09	T	Average RF	91.10	93.788	ppb	3.0	<= 20
Dicamba	KC2000566-09	T	Average RF	94	95.894	ppb	2.0	<= 20
Dichlorprop	KC2000566-09	T	Average RF	94.40	86.318	ppb	-8.6	<= 20
Dinoseb	KC2000566-09	T	Average RF	94.50	95.003	ppb	0.5	<= 20
MCPA	KC2000566-09	T	Average RF	9346	10069.096	ppb	7.7	<= 20
MCPP	KC2000566-09	T	Linear	9386	9672.717	ppb	3.1	<= 20

Initial Calibration - Detailed Report

Calibration ID: KC2000566 **Instrument ID:** K-GC-24
Column Name: ZB-XLB-HT

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
01	9.400	10.9	16.3	02	23.510	25.3	7.5	03	70.500	67.7	-3.9
04	94.000	90.7	-3.5	05	117.540	113	-3.9	06	141.050	135	-4.5
07	164.560	158	-4.2	08	188.060	181	-3.8				

Dichlorprop

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
01	9.440	12.3	**30.4**	02	23.590	27.1	14.9	03	70.800	67.8	-4.3
04	94.400	89.1	-5.6	05	117.960	109	-7.3	06	141.550	129	-8.7
07	165.140	150	-9.4	08	188.730	170	-10.1				

Dinoseb

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
01	9.450	11.6	22.7	02	23.620	26.2	10.8	03	70.900	67.9	-4.2
04	94.500	89.9	-4.8	05	118.100	112	-5.4	06	141.720	133	-6.0
07	165.340	155	-6.5	08	188.960	177	-6.5				

MCPA

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
01	934.770	750	-19.7	02	2336.600	2720	16.4	03	7010.000	7350	4.9
04	9346.000	9600	2.7	05	11683.010	11800	1.1	06	14019.610	13900	-0.8
07	16356.210	16000	-2.0	08	18692.820	18200	-2.6				

MCPP

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
01	938.770	689	-26.6	02	2346.620	2840	21.2	03	7040.000	7570	7.5
04	9386.000	9780	4.2	05	11733.100	11900	1.6	06	14079.720	13900	-1.3
07	16426.340	16000	-2.8	08	18772.960	18100	-3.8				

2,4-Dichlorophenylacetic Acid

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
01	9.020	11.9	**32.1**	02	22.550	26.4	16.9	03	67.600	64.6	-4.5
04	90.200	84.3	-6.5	05	112.730	104	-8.0	06	135.280	122	-9.7
07	157.830	142	-9.8	08	180.370	161	-10.5				

Quantitation Report (QT Reviewed)

1st UA 10/21/20
2nd 10/22/20

Data File : J:\gc24\data\102120\10210003.D Vial: 1
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Oct 2020 1:22 pm Operator: UA
Sample : IB Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Oct 21 17:46:26 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
2) s	2,4-Dichl...	8.009	7.829	7280	43923	0.400	1.038 #
	Target Compounds						
1) m	Dalapon	3.136	2.865	9965	74917	0.411	1.551 #
3) m	Dicamba	8.209	7.905	29172	27129	0.418	0.183 #
4) m	MCPP	0.000	8.082	0	2122	N.D.	N.D.
5) m	MCPA	8.552	8.362	2704	44075	46.181	N.D. #
6) m	Dichloroprop	8.939	8.758	23826	6916	1.278	0.166 #
7) m	2,4-D	9.349	0.000	6880	0	0.324	N.D. d#
8) m	2,4,5-TP ...	10.259	10.129	9196	34595	0.098	0.170 #
9) m	2,4,5-T	10.709	10.539	13577	43959	0.165	0.230 #
10) m	2,4-DB	0.000	11.139	0	3230	N.D. d	0.111
11) m	Dinoseb	11.682	11.315	11024	25541	0.178	0.187

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

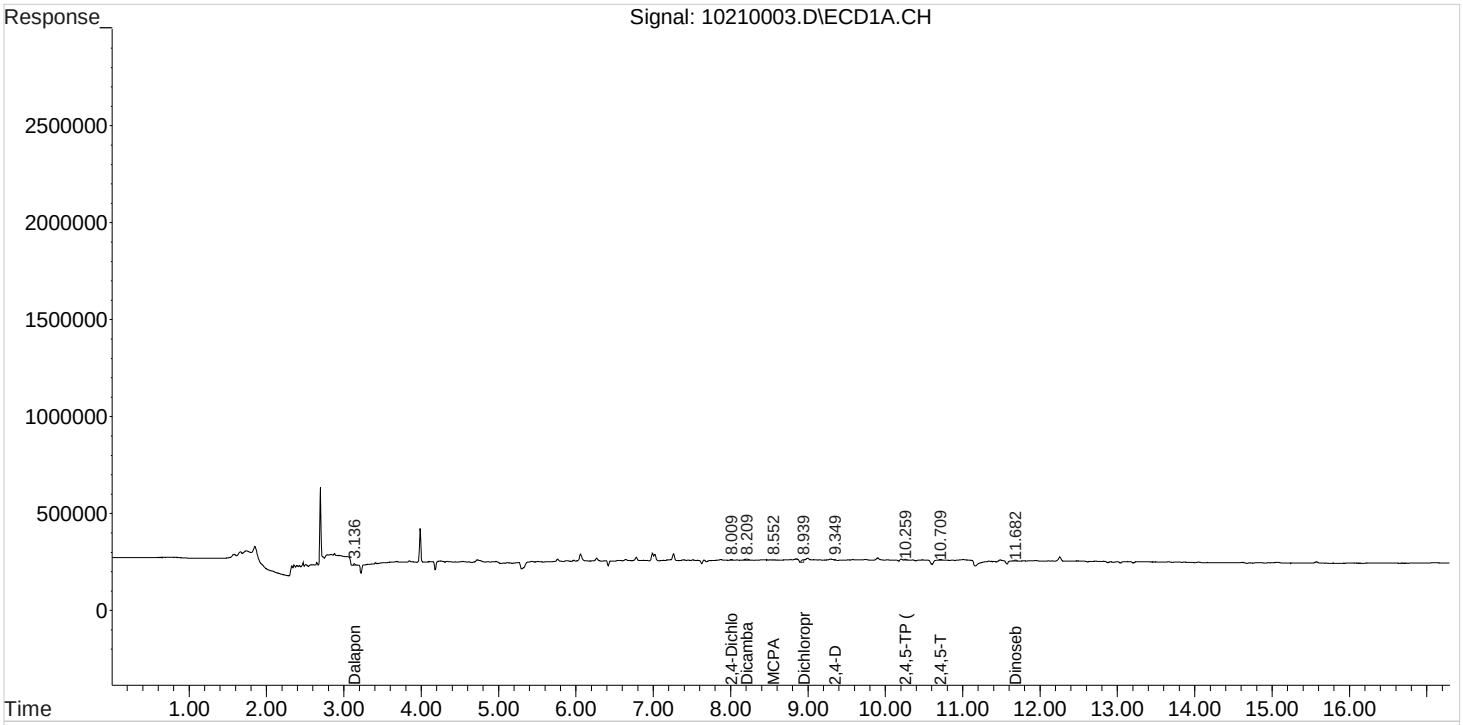
Quantitation Report (QT Reviewed)

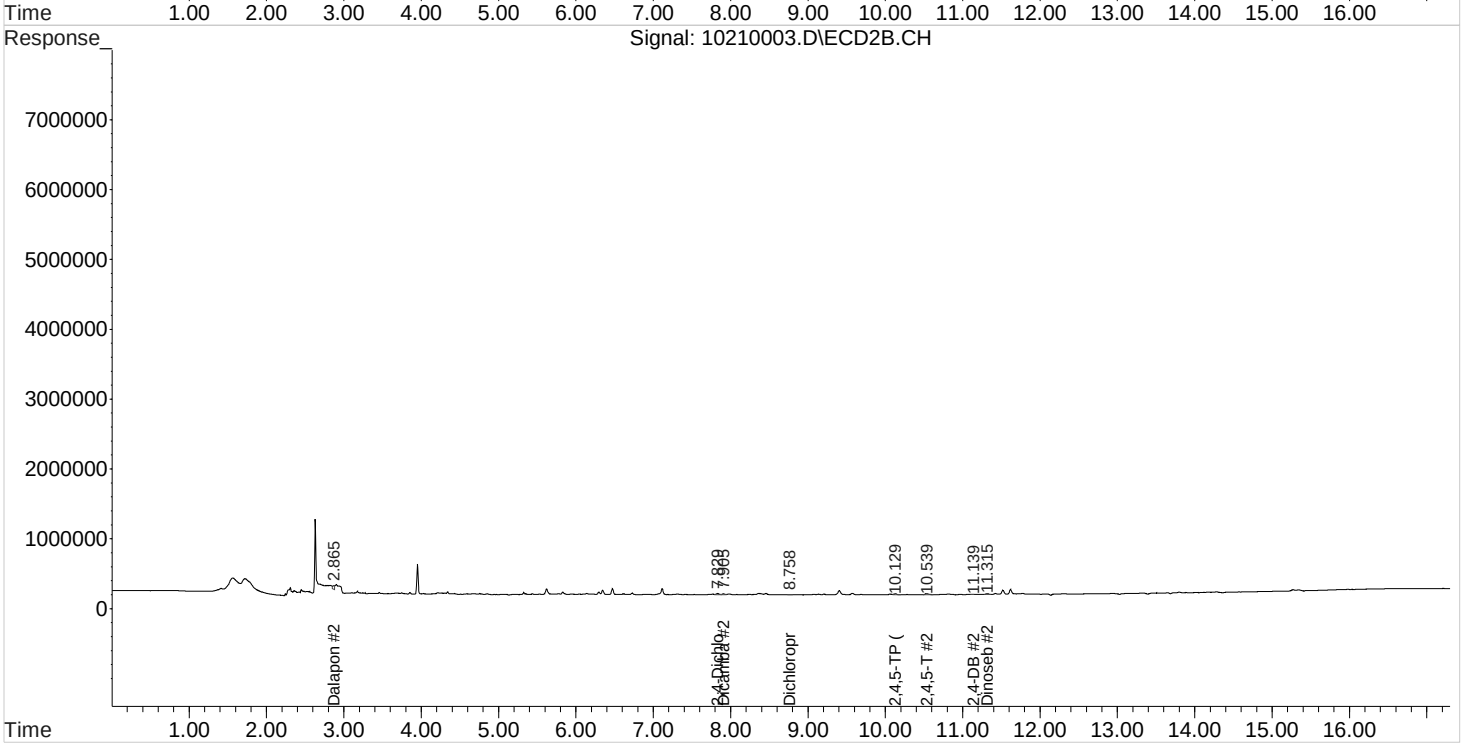
1st UA 10/21/20
2nd 10/22/20

Data File : J:\gc24\data\102120\10210003.D Vial: 1
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Oct 2020 1:22 pm Operator: UA
Sample : IB Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Oct 21 17:46:26 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





Quantitation Report (QT Reviewed)

1st UA 10/21/20
2nd 10/22/20

Data File : J:\gc24\data\102120\10210004.D Vial: 3
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Oct 2020 1:46 pm Operator: UA
Sample : PENTA2-14K 10PPB Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Oct 21 17:30:40 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:28:50 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm

		Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb	
		System Monitoring Compounds							
2)	s	2,4-Dichl...	7.997	7.820	190814	503954	10.736	12.487	
		Target Compounds							
1)	m	Dalapon	3.127	2.873	243340	465074	10.178	9.705	
3)	m	Dicamba	8.217	7.920	714045	1620262	10.361m	11.193	
4)	m	MCPP	8.300	8.106	18782	304912	432.162	1713.825	#
5)	m	MCPA	8.567	8.353	42691	497459	706.888	2049.337	#
6)	m	Dichloroprop	8.967	8.753	214760	513503	11.890	12.869	
7)	m	2,4-D	9.330	9.066	233900	657519	11.289	13.552	
8)	m	2,4,5-TP ...	10.263	10.130	927413	2242551	9.958m	11.308	
9)	m	2,4,5-T	10.710	10.536	823973	2124220	10.063	11.378	
10)	m	2,4-DB	11.290	11.173	105152	338252	10.371m	12.055	
11)	m	Dinoseb	11.683	11.316	655169	1585317	10.776m	11.980	

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

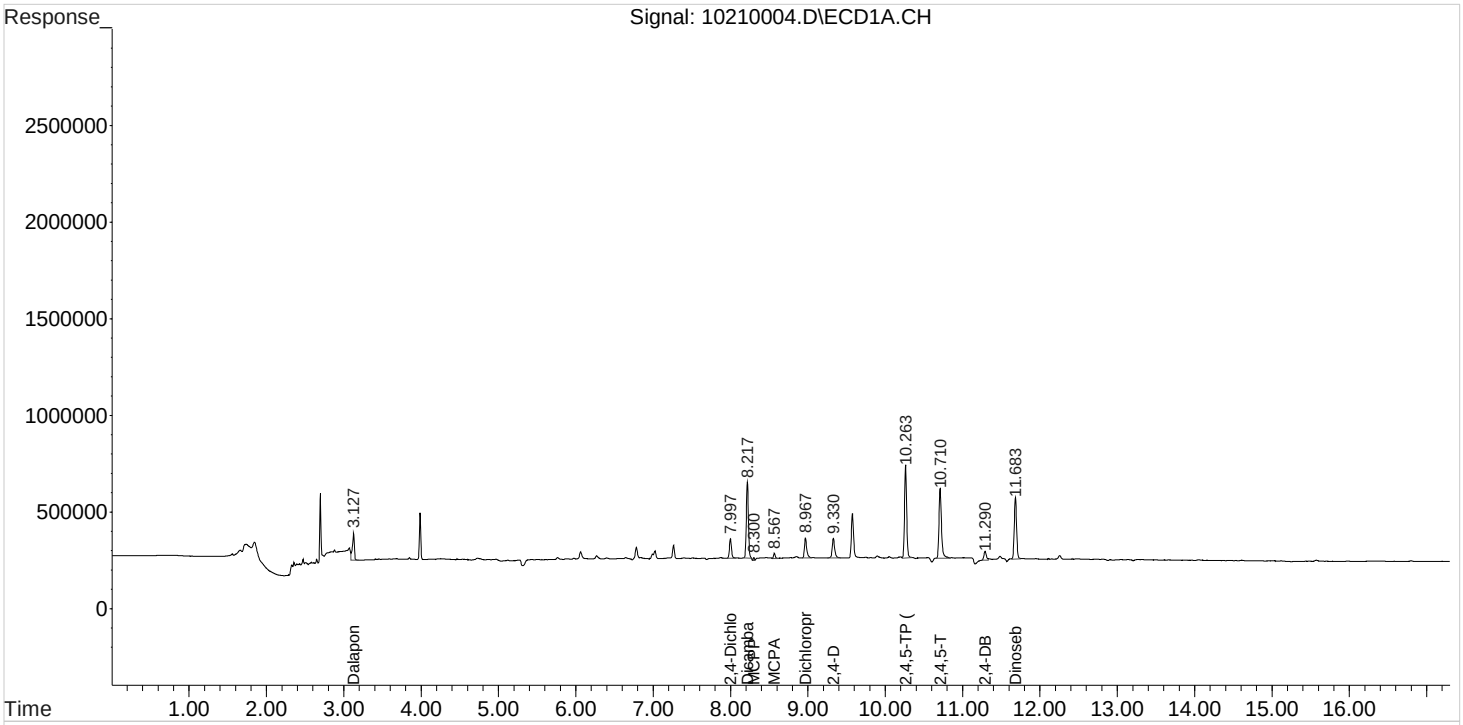
Quantitation Report (QT Reviewed)

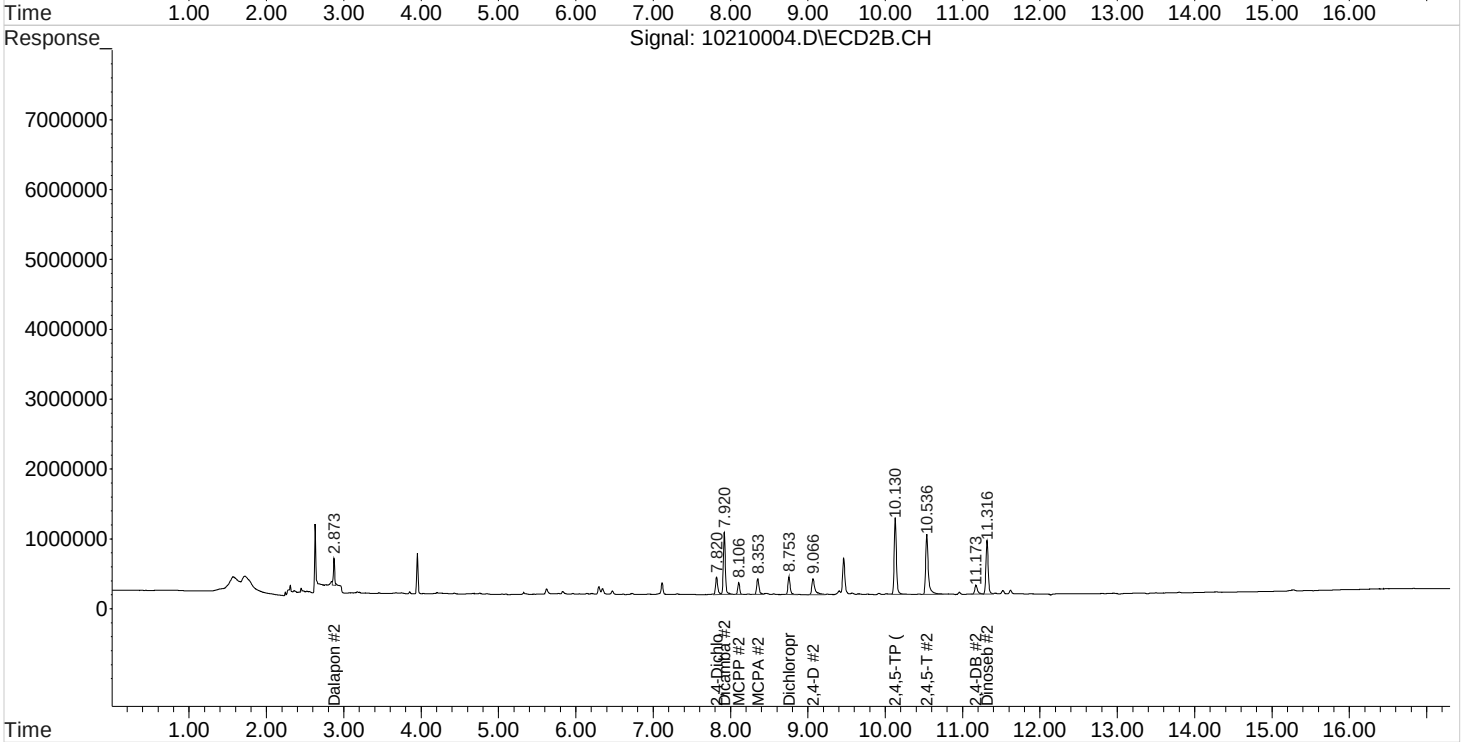
1st UA 10/21/20
2nd 10/22/20

Data File : J:\gc24\data\102120\10210004.D Vial: 3
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Oct 2020 1:46 pm Operator: UA
Sample : PENTA2-14K 10PPB Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Oct 21 17:30:40 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:28:50 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm



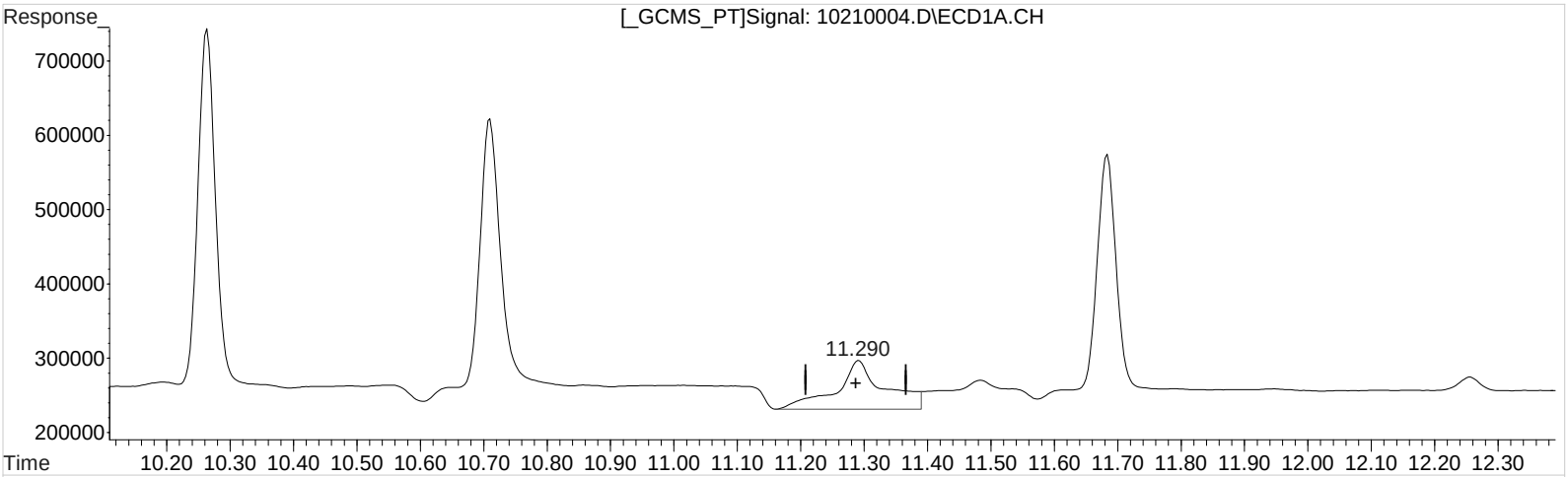


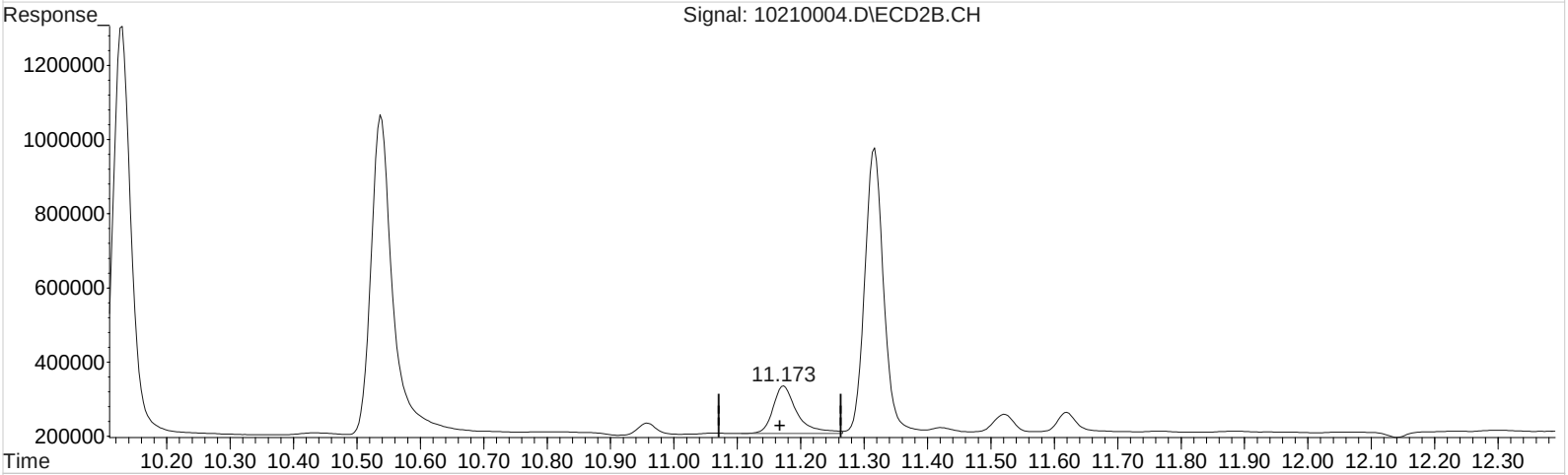
1st UA 10/21/20
2nd 10/22/20

Data File : J:\gc24\data\102120\10210004.D Vial: 3
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Oct 2020 1:46 pm Operator: UA
Sample : PENTA2-14K 10PPB Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Oct 21 17:29:14 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:28:50 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(10) 2,4-DB (m)

11.290min 34.659 ppb

response 351402

Manual Integration:

Before

10/21/20

(10) 2,4-DB #2 (m)

11.173min 12.055 ppb

response 338252

(+) = Expected Retention Time

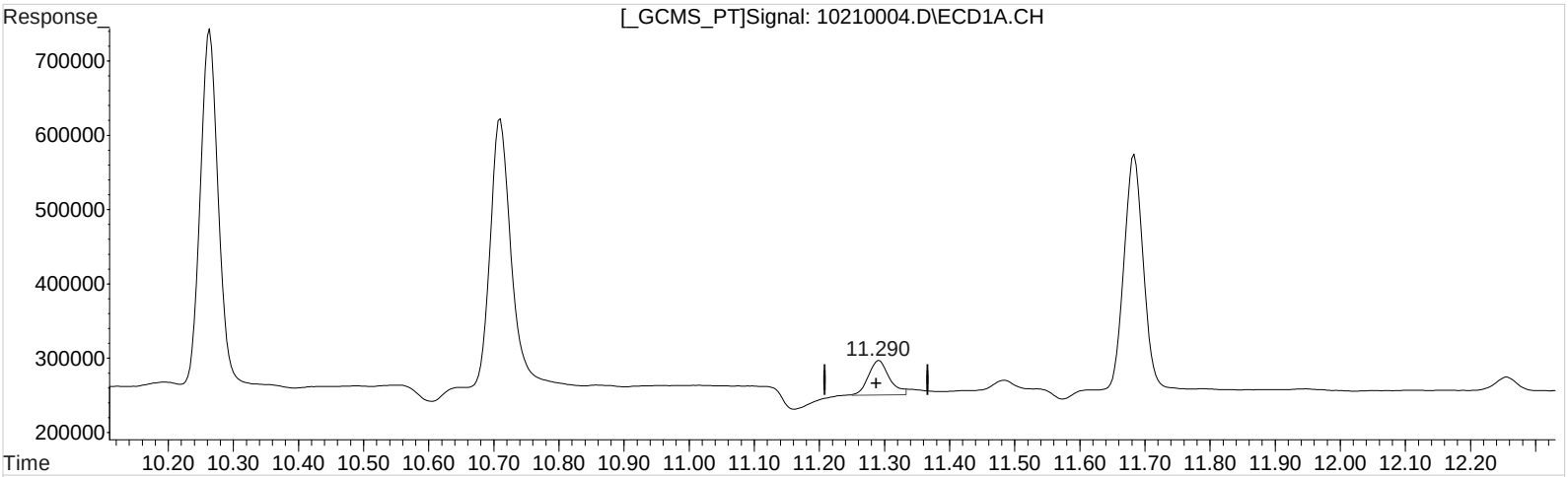
Quantitation Report (Qedit)

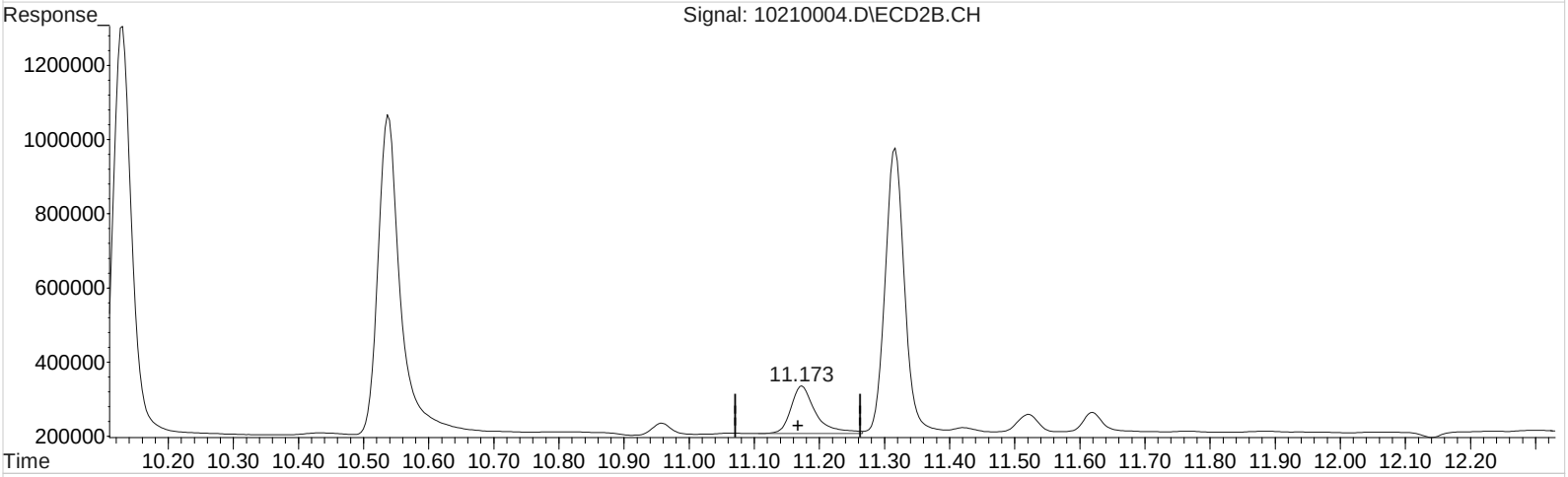
1st UA 10/21/20
2nd 10/22/20

Data File : J:\gc24\data\102120\10210004.D Vial: 3
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Oct 2020 1:46 pm Operator: UA
Sample : PENTA2-14K 10PPB Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Oct 21 17:29:14 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:28:50 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(10) 2,4-DB (m)

11.290min 10.371 ppb m

response 105152

(10) 2,4-DB #2 (m)

11.173min 12.055 ppb

response 338252

Manual Integration:

After

Baseline/Shoulder

10/21/20

(+) = Expected Retention Time

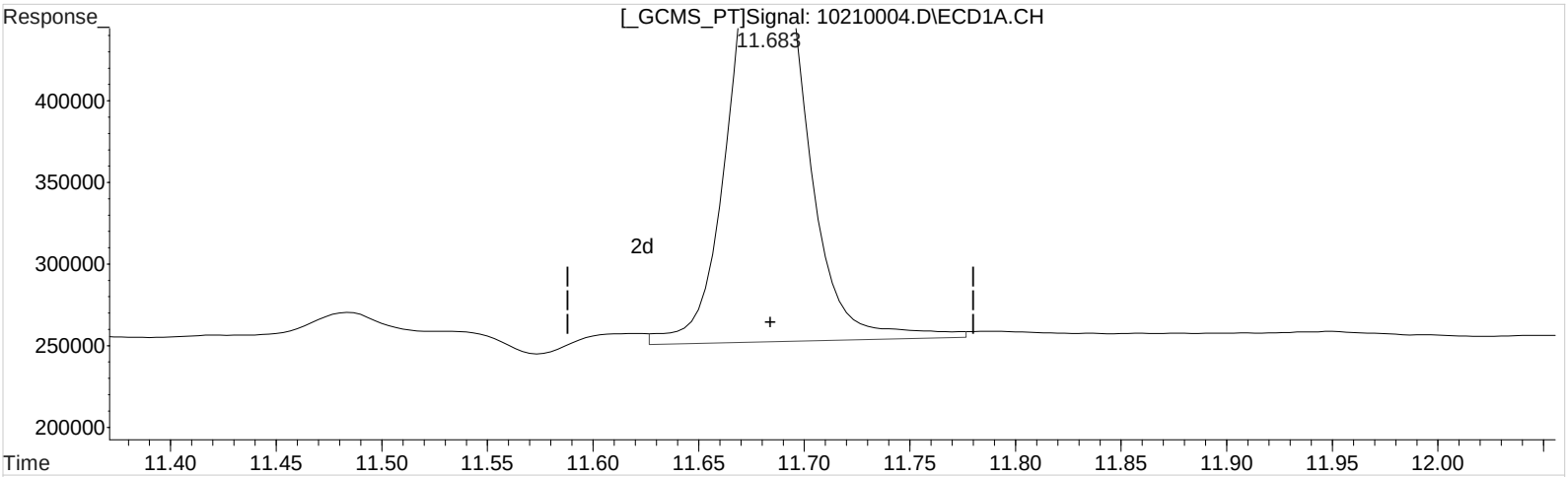
Quantitation Report (Qedit)

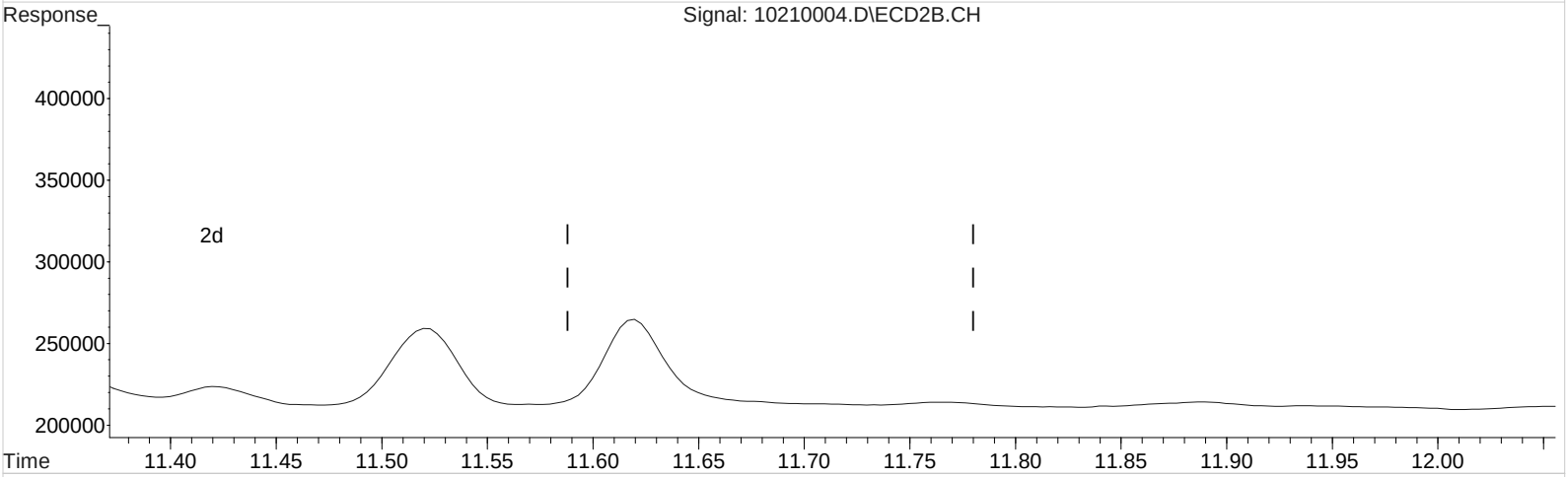
1st UA 10/21/20
2nd 10/22/20

Data File : J:\gc24\data\102120\10210004.D Vial: 3
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Oct 2020 1:46 pm Operator: UA
Sample : PENTA2-14K 10PPB Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Oct 21 17:29:14 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:28:50 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(11) Dinoseb (m)

11.683min 11.414 ppb

response 693954

Manual Integration:

Before

10/21/20

(11) Dinoseb #2 (m)

11.316min 11.980 ppb

response 1585317

(+) = Expected Retention Time

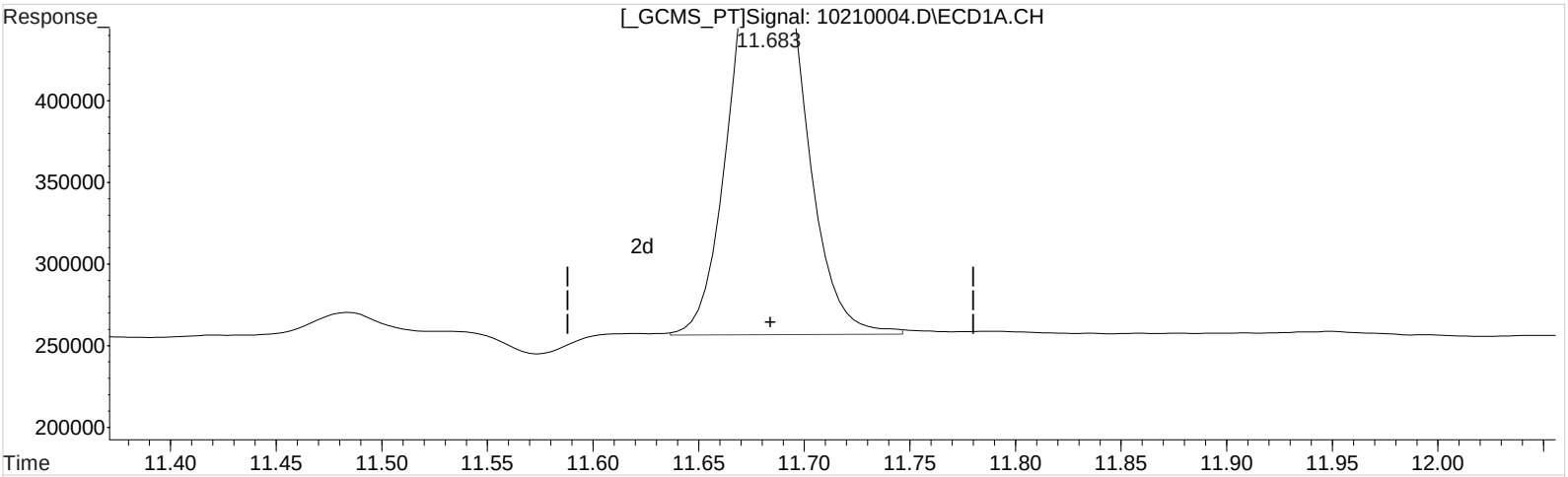
Quantitation Report (Qedit)

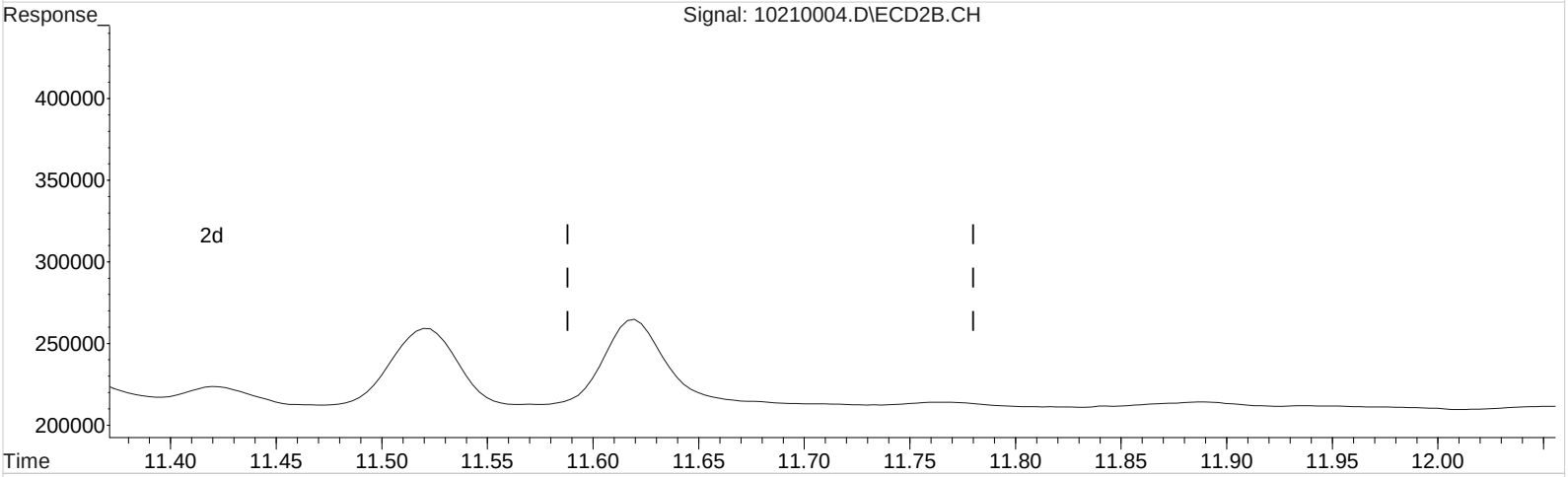
1st UA 10/21/20
2nd 10/22/20

Data File : J:\gc24\data\102120\10210004.D Vial: 3
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Oct 2020 1:46 pm Operator: UA
Sample : PENTA2-14K 10PPB Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Oct 21 17:29:14 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:28:50 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(11) Dinoseb (m)

11.683min 10.776 ppb m

response 655169

Manual Integration:

After

Baseline/Shoulder

10/21/20

(11) Dinoseb #2 (m)

11.316min 11.980 ppb

response 1585317

(+) = Expected Retention Time

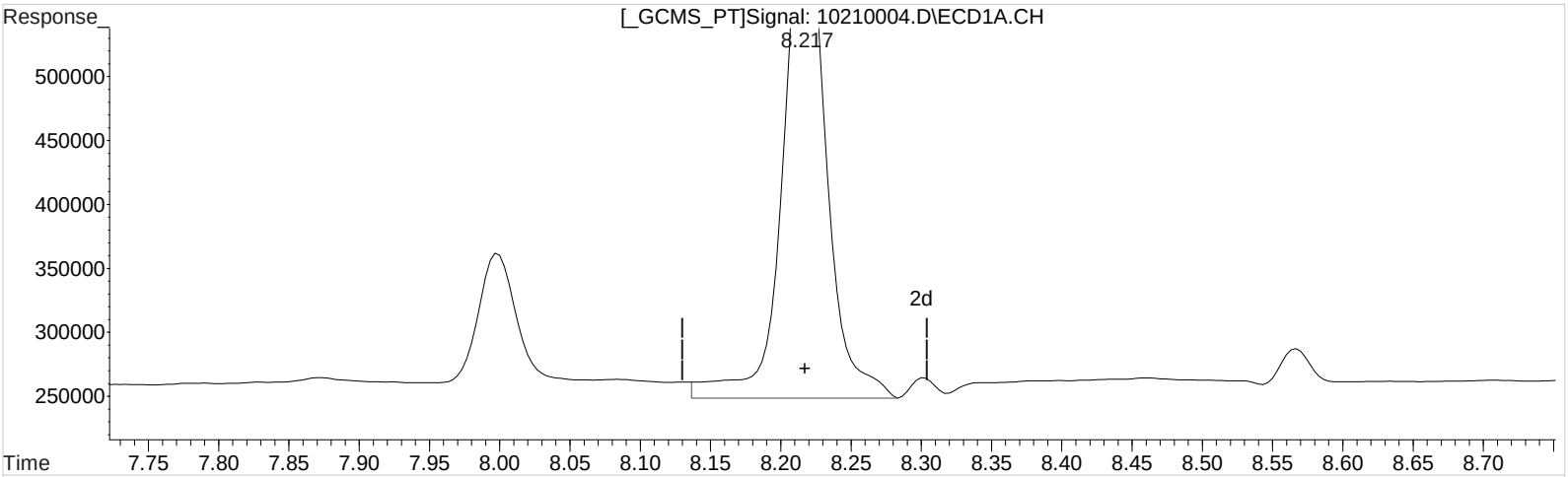
Quantitation Report (Qedit)

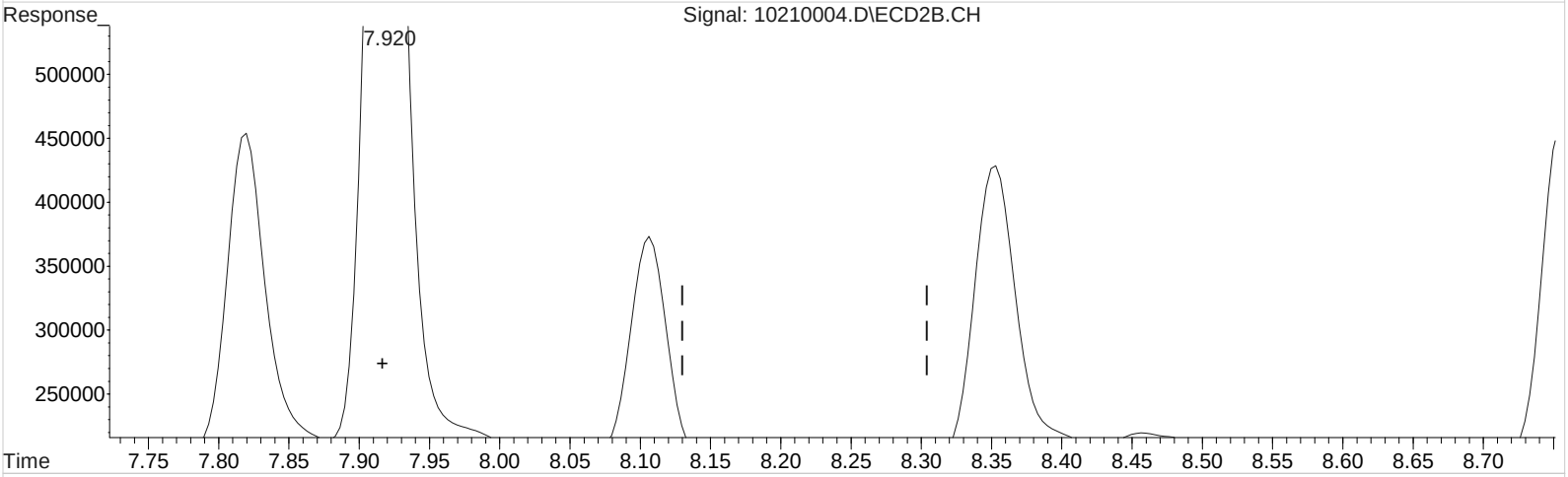
1st UA 10/21/20
2nd 10/22/20

Data File : J:\gc24\data\102120\10210004.D Vial: 3
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Oct 2020 1:46 pm Operator: UA
Sample : PENTA2-14K 10PPB Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Oct 21 17:29:14 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:28:50 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(3) Dicamba (m)

8.217min 12.005 ppb

response 827399

Manual Integration:

Before

10/21/20

(3) Dicamba #2 (m)

7.920min 11.193 ppb

response 1620262

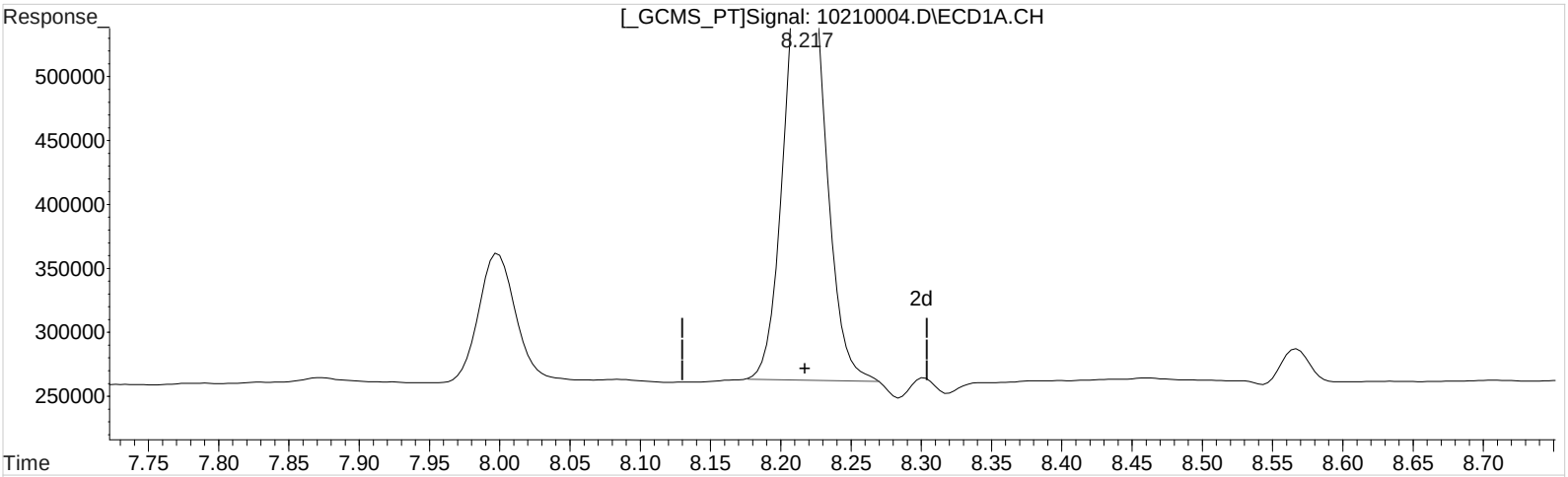
(+) = Expected Retention Time

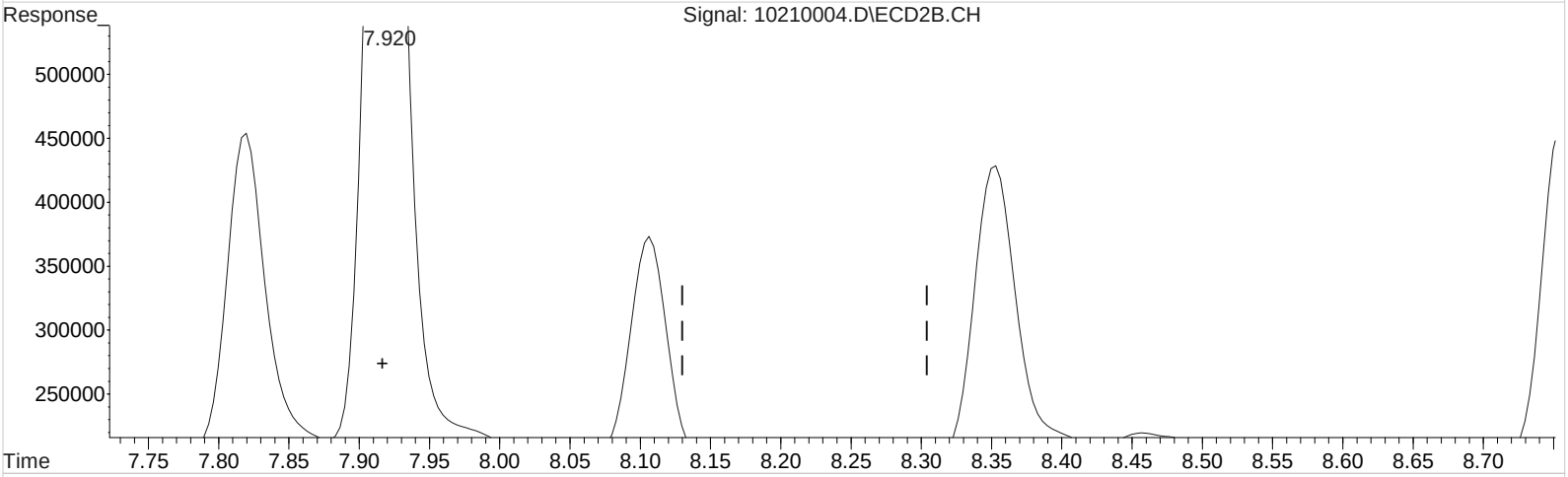
1st UA 10/21/20
2nd 10/22/20

Data File : J:\gc24\data\102120\10210004.D Vial: 3
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Oct 2020 1:46 pm Operator: UA
Sample : PENTA2-14K 10PPB Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Oct 21 17:29:14 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:28:50 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(3) Dicamba (m)

8.217min 10.361 ppb m

response 714045

Manual Integration:

After

Baseline/Shoulder

10/21/20

(3) Dicamba #2 (m)

7.920min 11.193 ppb

response 1620262

(+) = Expected Retention Time

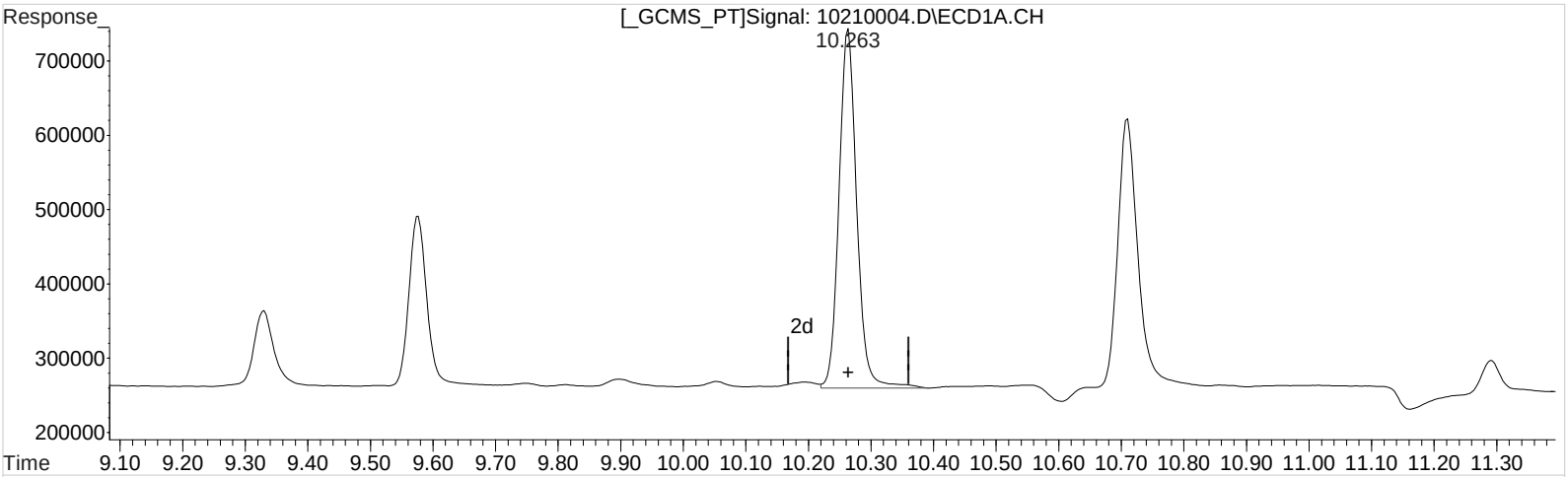
Quantitation Report (Qedit)

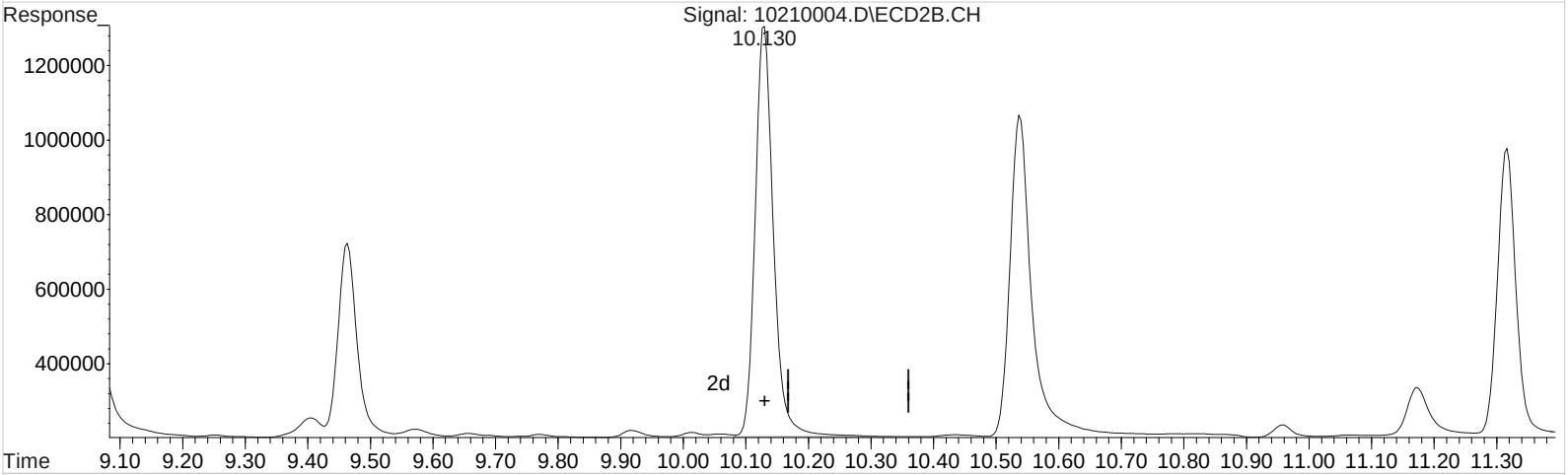
1st UA 10/21/20
2nd 10/22/20

Data File : J:\gc24\data\102120\10210004.D Vial: 3
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Oct 2020 1:46 pm Operator: UA
Sample : PENTA2-14K 10PPB Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Oct 21 17:29:14 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:28:50 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(8) 2,4,5-TP (Silvex) (m)

10.263min 10.244 ppb

response 954083

(8) 2,4,5-TP (Silvex) #2 (m)

10.130min 11.308 ppb

response 2242551

Manual Integration:

Before

10/21/20

(+) = Expected Retention Time

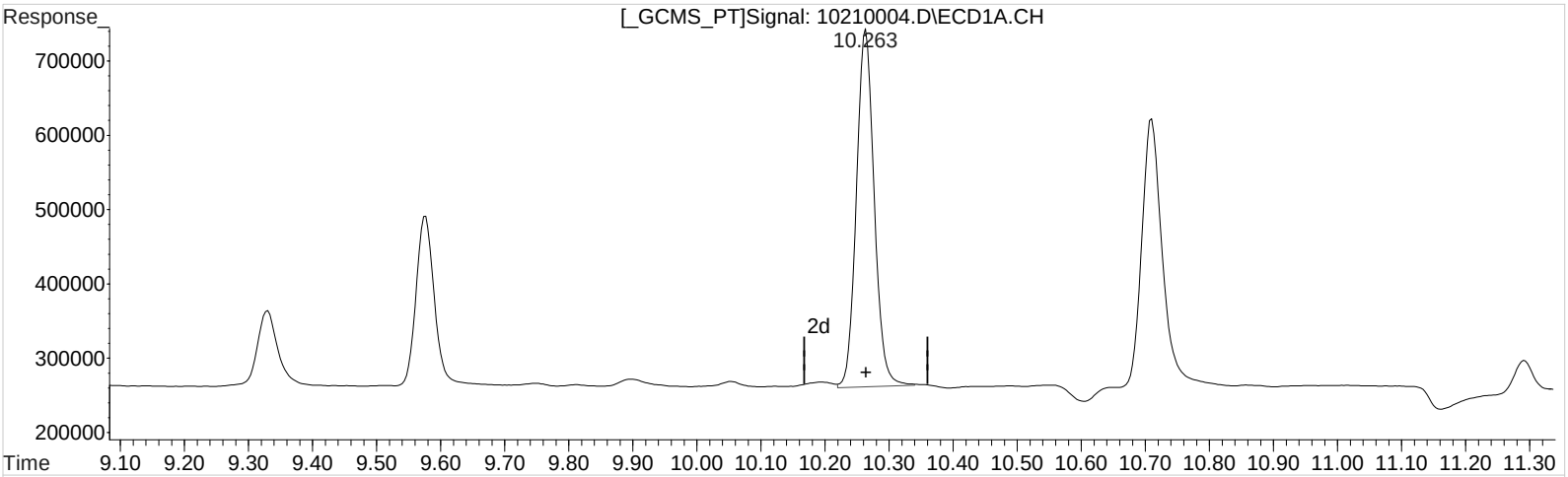
Quantitation Report (Qedit)

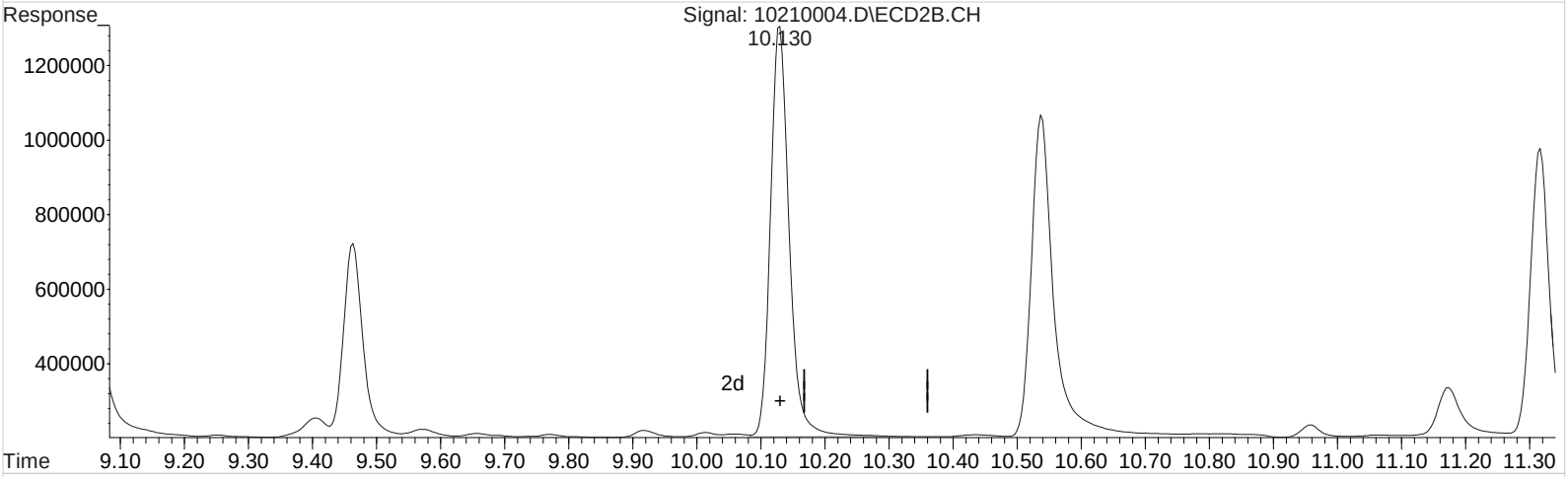
1st UA 10/21/20
2nd 10/22/20

Data File : J:\gc24\data\102120\10210004.D Vial: 3
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Oct 2020 1:46 pm Operator: UA
Sample : PENTA2-14K 10PPB Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Oct 21 17:29:14 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:28:50 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(8) 2,4,5-TP (Silvex) (m)

10.263min 9.958 ppb m

response 927413

Manual Integration:

After

Baseline/Shoulder

10/21/20

(8) 2,4,5-TP (Silvex) #2 (m)

10.130min 11.308 ppb

response 2242551

(+) = Expected Retention Time

Quantitation Report (QT Reviewed)

1st UA 10/21/20
2nd 10/22/20

Data File : J:\gc24\data\102120\10210005.D Vial: 4
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Oct 2020 2:09 pm Operator: UA
Sample : PENTA2-14L 25PPB Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Oct 21 17:28:28 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:26:33 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm

		Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
		System Monitoring Compounds						
2)	s	2,4-Dichl...	7.994	7.817	454333	1114582	26.144	28.691
		Target Compounds						
1)	m	Dalapon	3.128	2.874	622375	1185641	26.669m	25.104m
3)	m	Dicamba	8.214	7.917	1772679	3745342	26.131m	26.313
4)	m	MCPP	8.301	8.104	87770	616897	1973.683	3767.293 #
5)	m	MCPA	8.564	8.351	142776	870257	2368.770	3935.605 #
6)	m	Dichloroprop	8.968	8.751	499436	1130772	28.469	29.321
7)	m	2,4-D	9.324	9.064	558866	1393959	27.651	29.833
8)	m	2,4,5-TP ...	10.264	10.127	2326151	5175294	25.192	26.532
9)	m	2,4,5-T	10.708	10.534	2067316	4914810	25.526m	26.821
10)	m	2,4-DB	11.288	11.167	277452	763407	28.096m	27.903
11)	m	Dinoseb	11.684	11.314	1575526	3578948	26.340	27.716

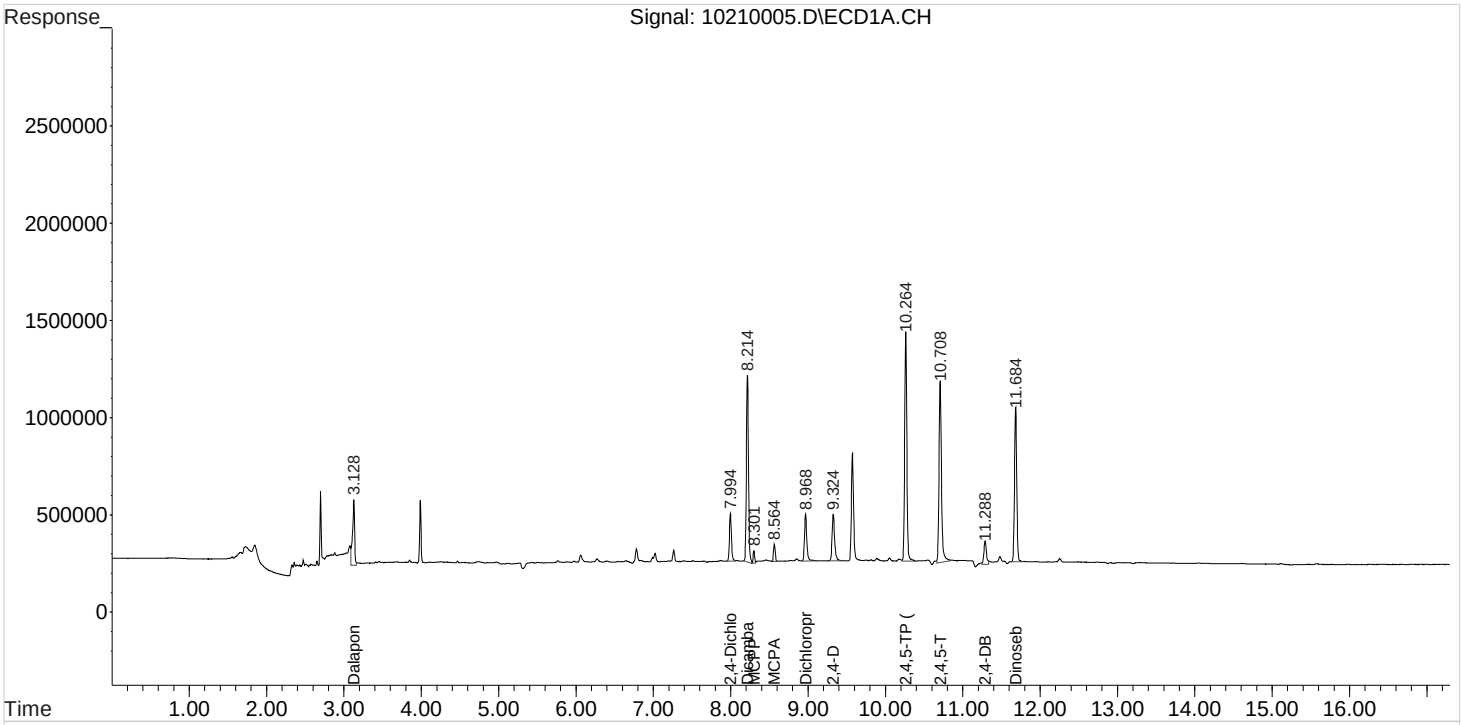
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

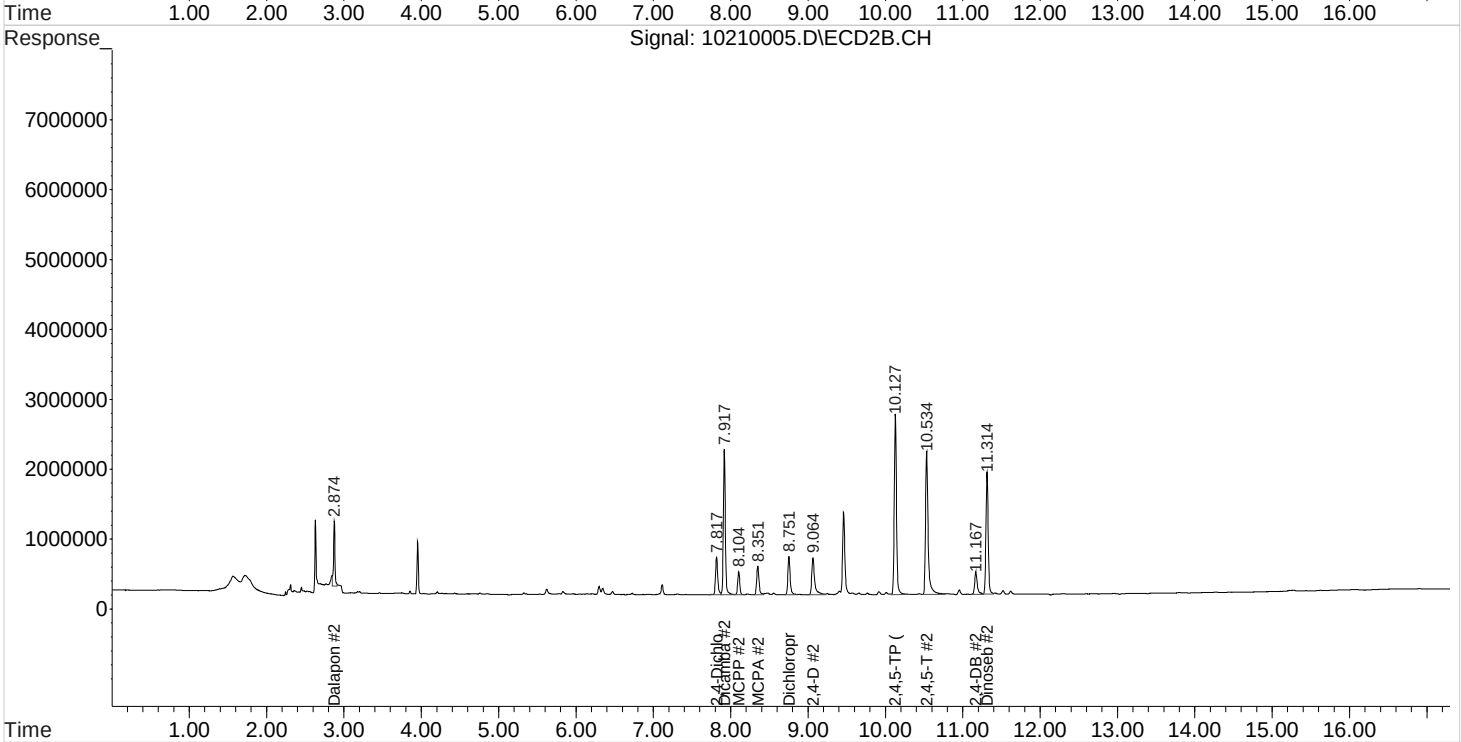
1st UA 10/21/20
2nd 10/22/20

Data File : J:\gc24\data\102120\10210005.D Vial: 4
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Oct 2020 2:09 pm Operator: UA
Sample : PENTA2-14L 25PPB Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Oct 21 17:28:28 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:26:33 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





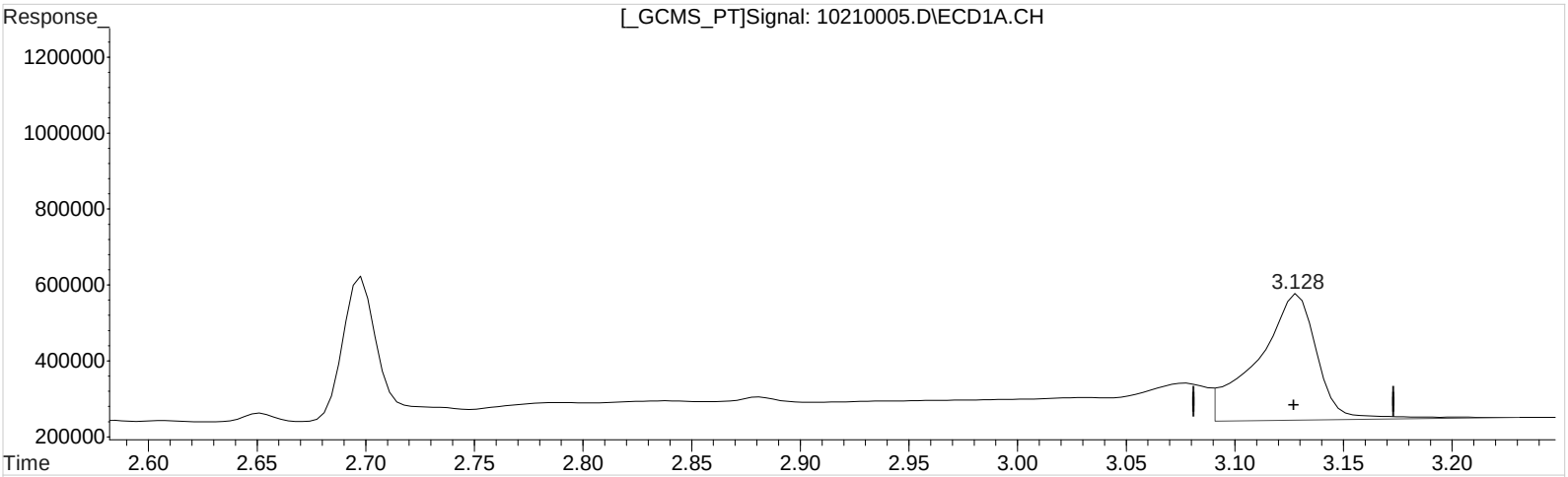
Quantitation Report (Qedit)

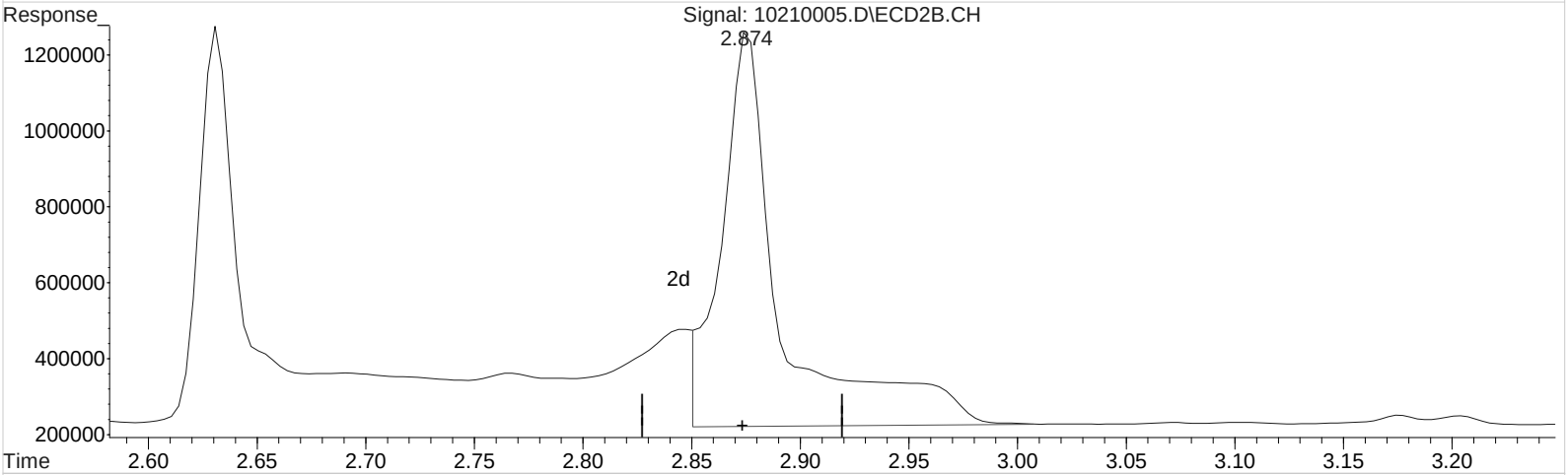
1st UA 10/21/20
2nd 10/22/20

Data File : J:\gc24\data\102120\10210005.D Vial: 4
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Oct 2020 2:09 pm Operator: UA
Sample : PENTA2-14L 25PPB Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Oct 21 17:26:50 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:26:33 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(1) Dalapon (m)

3.128min 26.760 ppb

response 624496

(1) Dalapon #2 (m)

2.874min 42.153 ppb

response 1990871

Manual Integration:

Before

10/21/20

(+) = Expected Retention Time

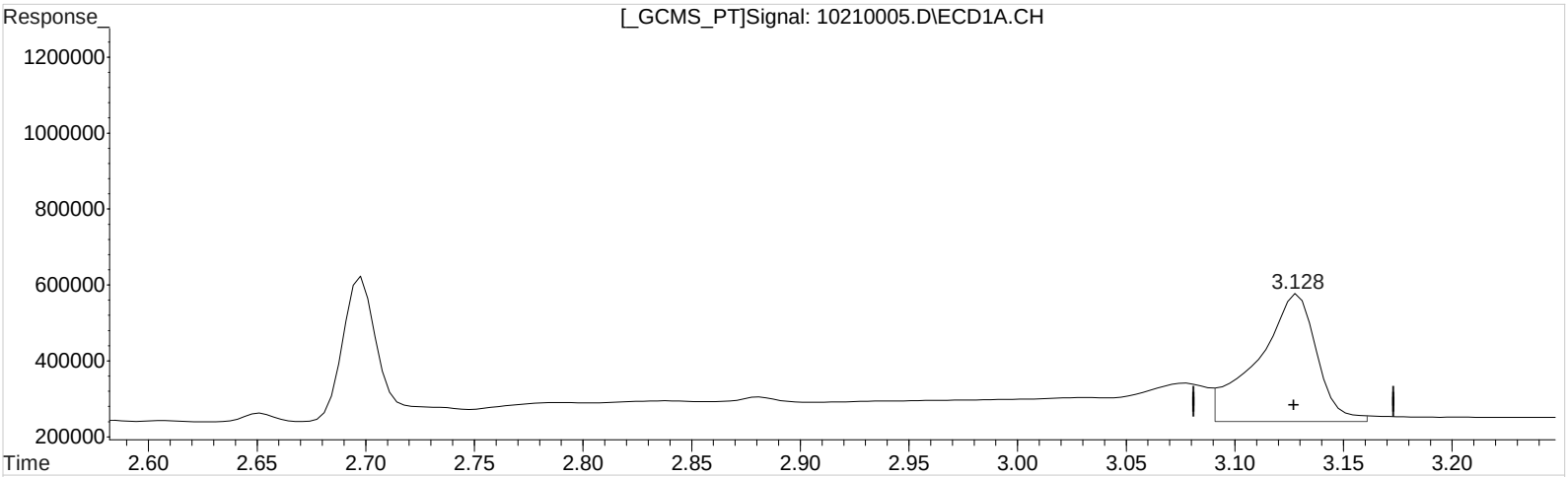
Quantitation Report (Qedit)

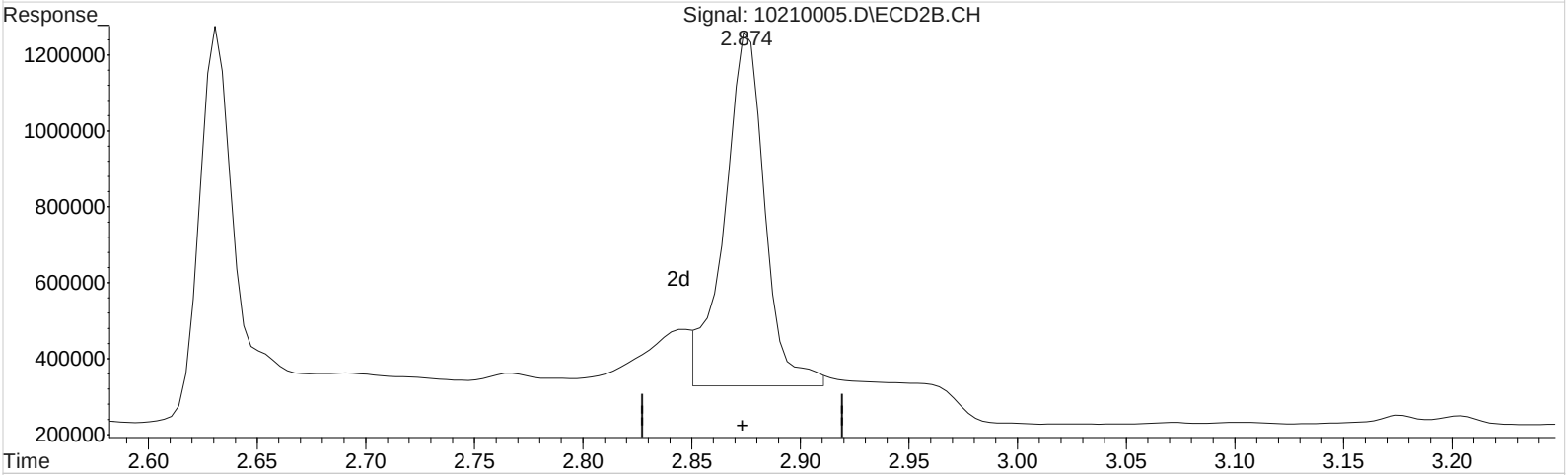
1st UA 10/21/20
2nd 10/22/20

Data File : J:\gc24\data\102120\10210005.D Vial: 4
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Oct 2020 2:09 pm Operator: UA
Sample : PENTA2-14L 25PPB Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Oct 21 17:26:50 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:26:33 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(1) Dalapon (m)

3.128min 26.669 ppb m

response 622375

Manual Integration:

After

Baseline/Shoulder

10/21/20

(1) Dalapon #2 (m)

2.874min 25.104 ppb m

response 1185641

(+) = Expected Retention Time

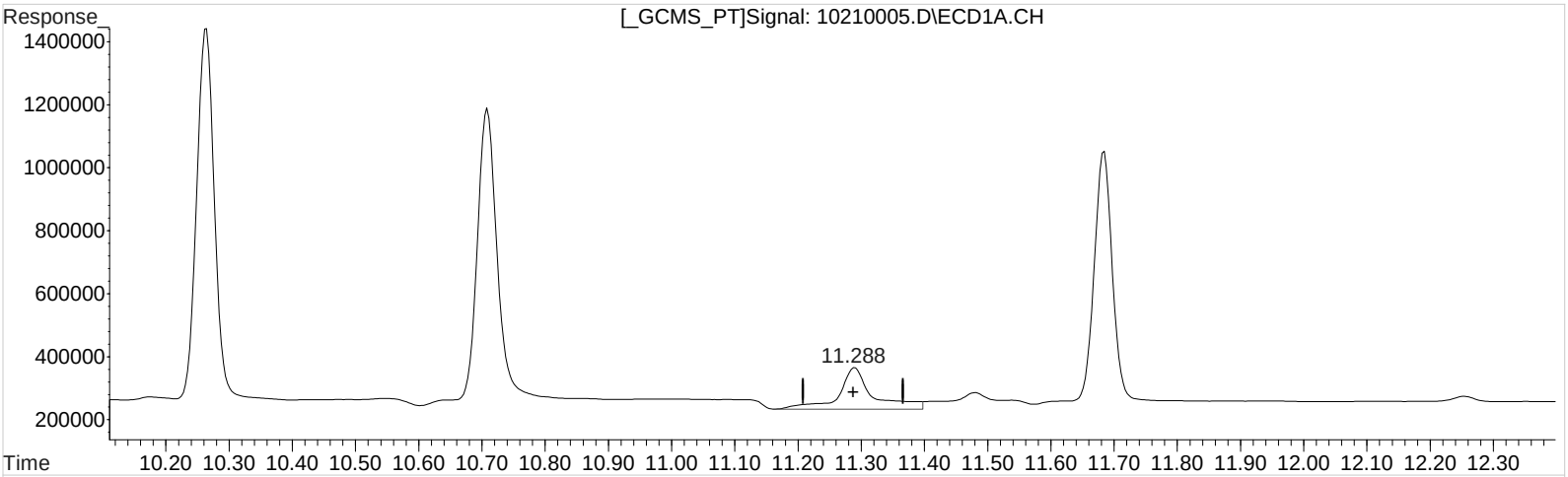
Quantitation Report (Qedit)

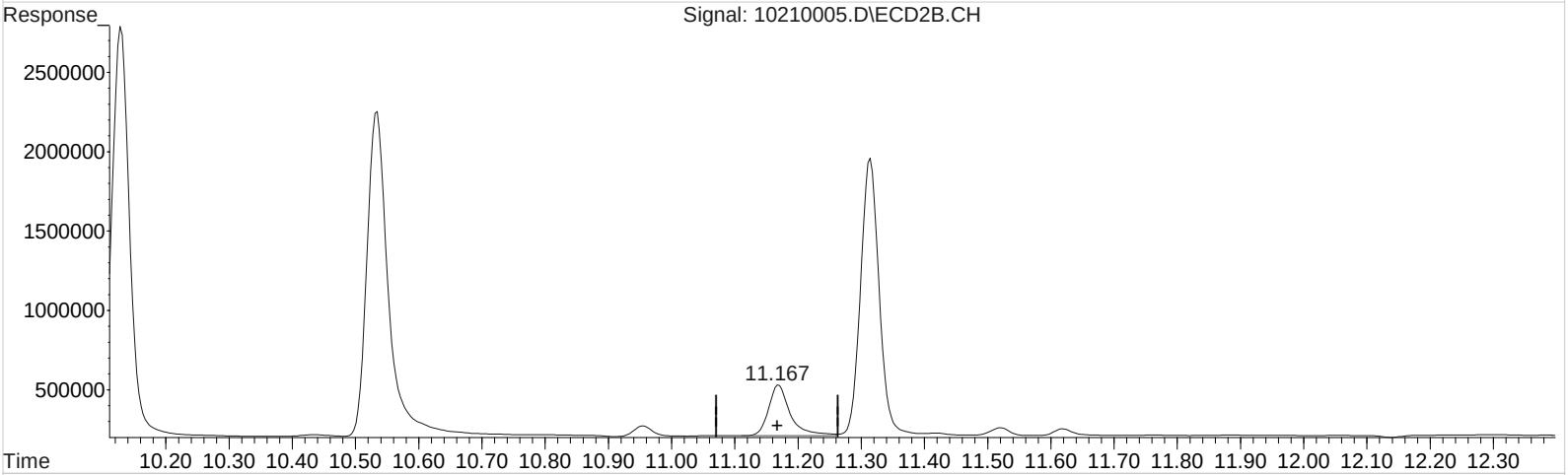
1st UA 10/21/20
2nd 10/22/20

Data File : J:\gc24\data\102120\10210005.D Vial: 4
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Oct 2020 2:09 pm Operator: UA
Sample : PENTA2-14L 25PPB Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Oct 21 17:26:50 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:26:33 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(10) 2,4-DB (m)

11.288min 50.935 ppb

response 502979

(10) 2,4-DB #2 (m)

11.167min 27.903 ppb

response 763407

Manual Integration:

Before

10/21/20

(+) = Expected Retention Time

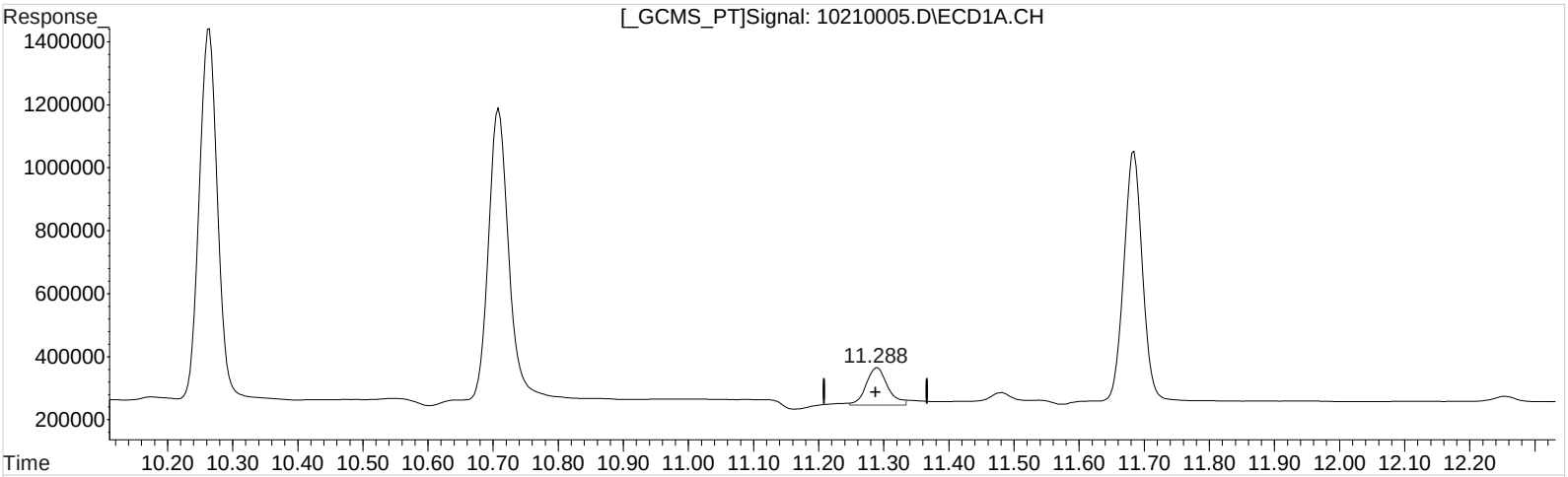
Quantitation Report (Qedit)

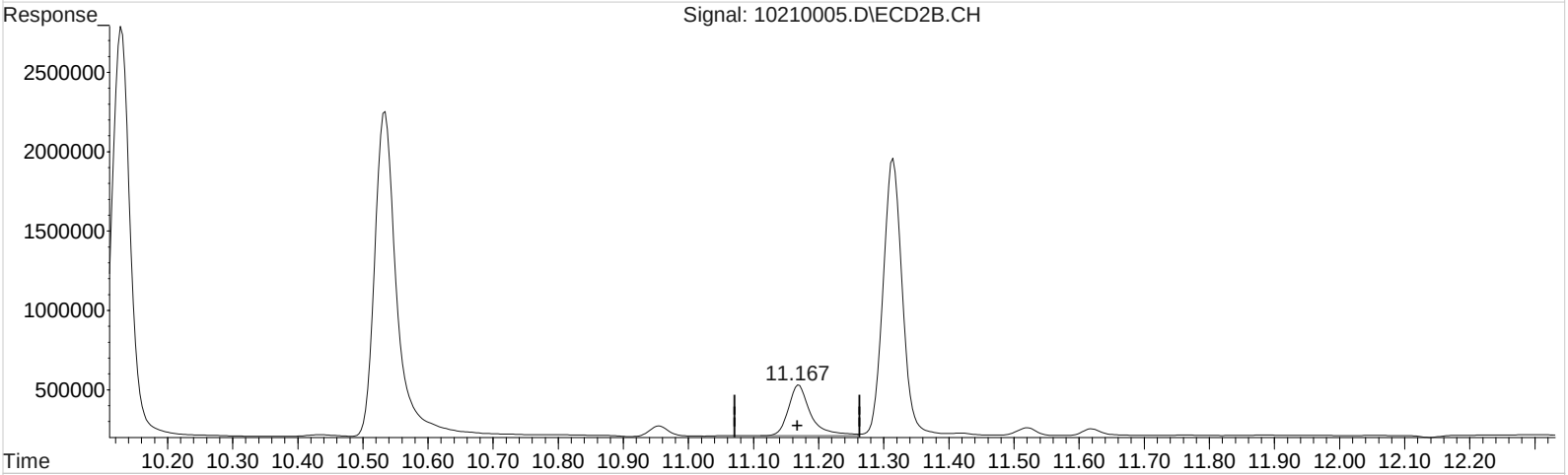
1st UA 10/21/20
2nd 10/22/20

Data File : J:\gc24\data\102120\10210005.D Vial: 4
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Oct 2020 2:09 pm Operator: UA
Sample : PENTA2-14L 25PPB Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Oct 21 17:26:50 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:26:33 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(10) 2,4-DB (m)

11.288min 28.096 ppb m

response 277452

Manual Integration:

After

Baseline/Shoulder

10/21/20

(10) 2,4-DB #2 (m)

11.167min 27.903 ppb

response 763407

(+) = Expected Retention Time

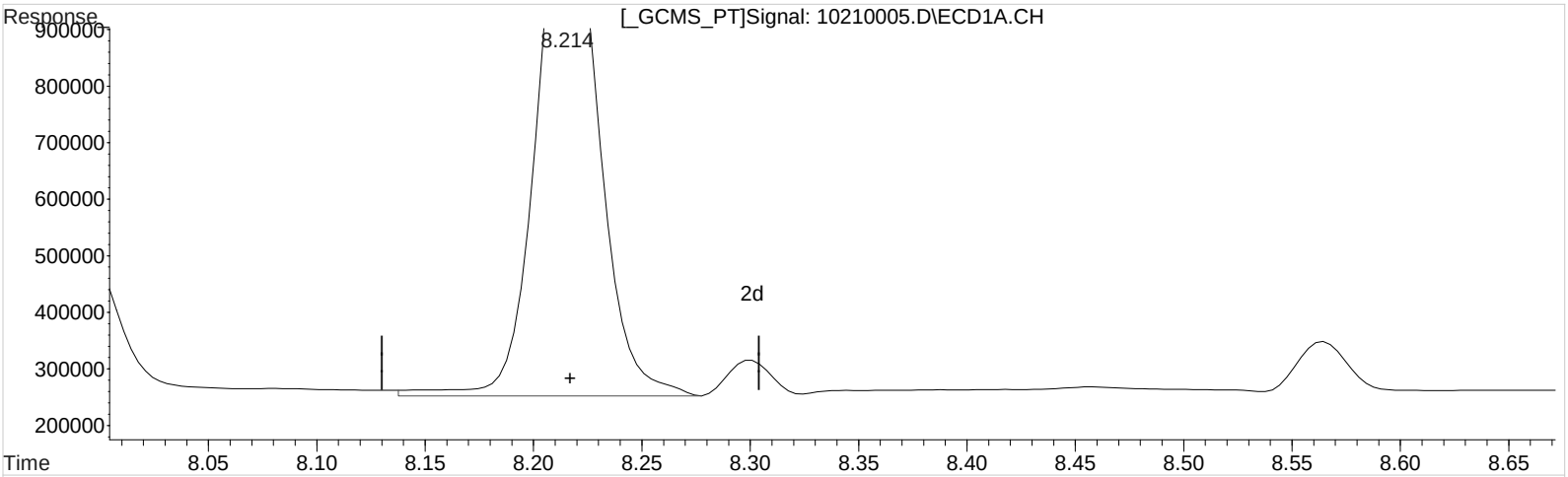
Quantitation Report (Qedit)

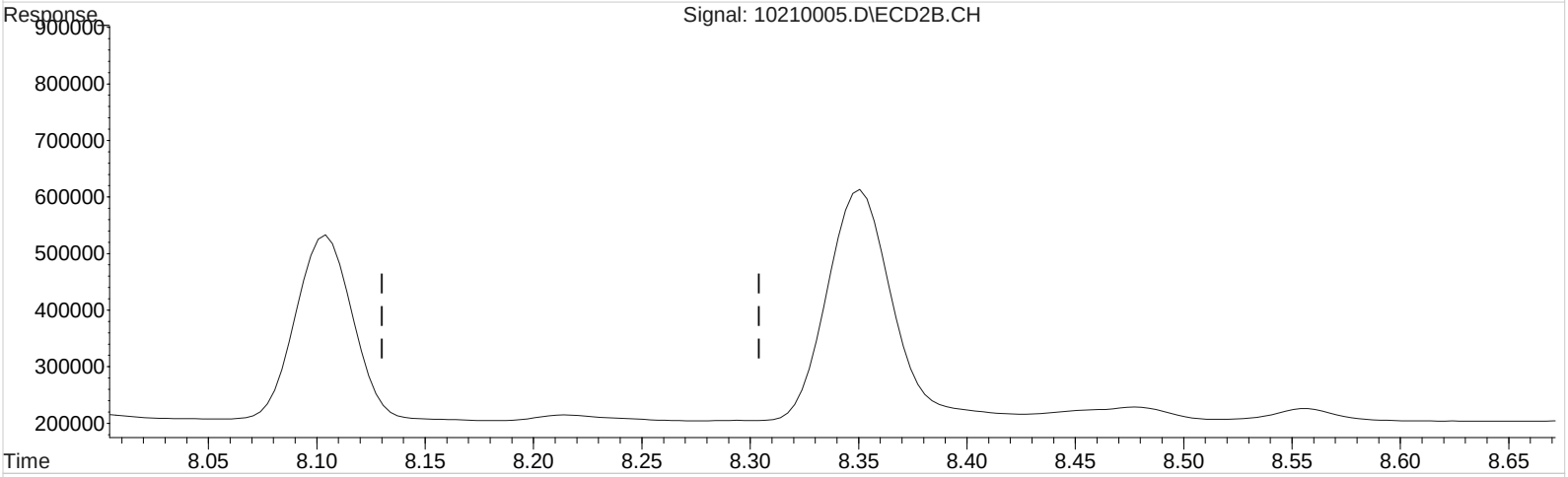
1st UA 10/21/20
2nd 10/22/20

Data File : J:\gc24\data\102120\10210005.D Vial: 4
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Oct 2020 2:09 pm Operator: UA
Sample : PENTA2-14L 25PPB Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Oct 21 17:26:50 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:26:33 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(3) Dicamba (m)

8.214min 26.882 ppb

response 1823650

Manual Integration:

Before

10/21/20

(3) Dicamba #2 (m)

7.917min 26.313 ppb

response 3745342

(+) = Expected Retention Time

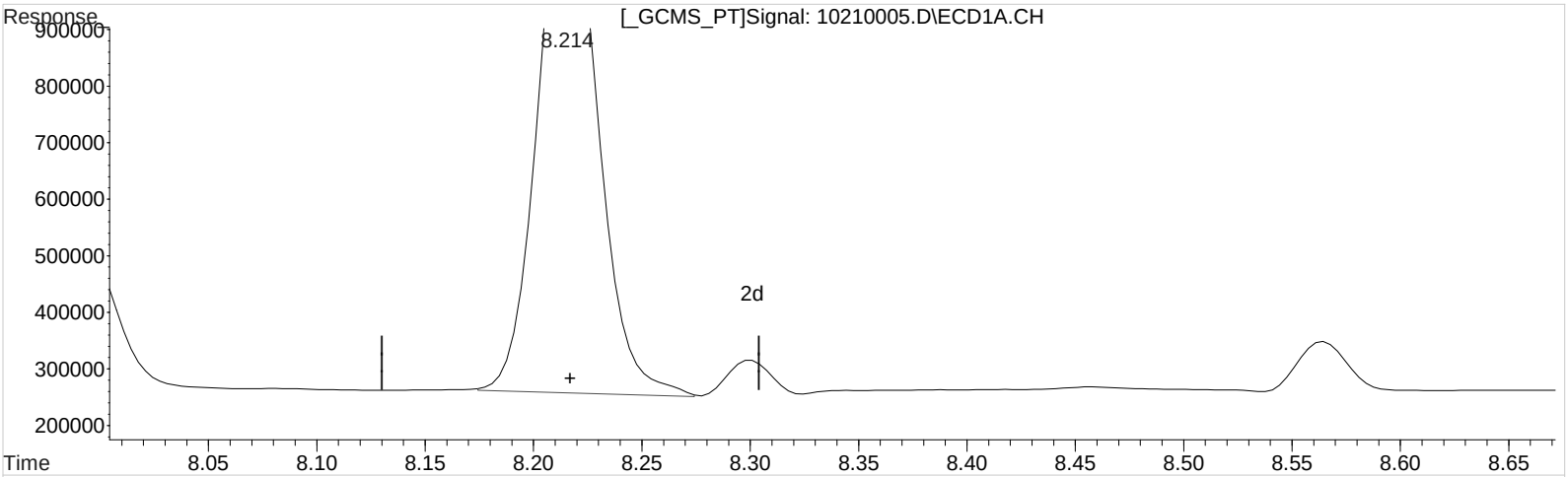
Quantitation Report (Qedit)

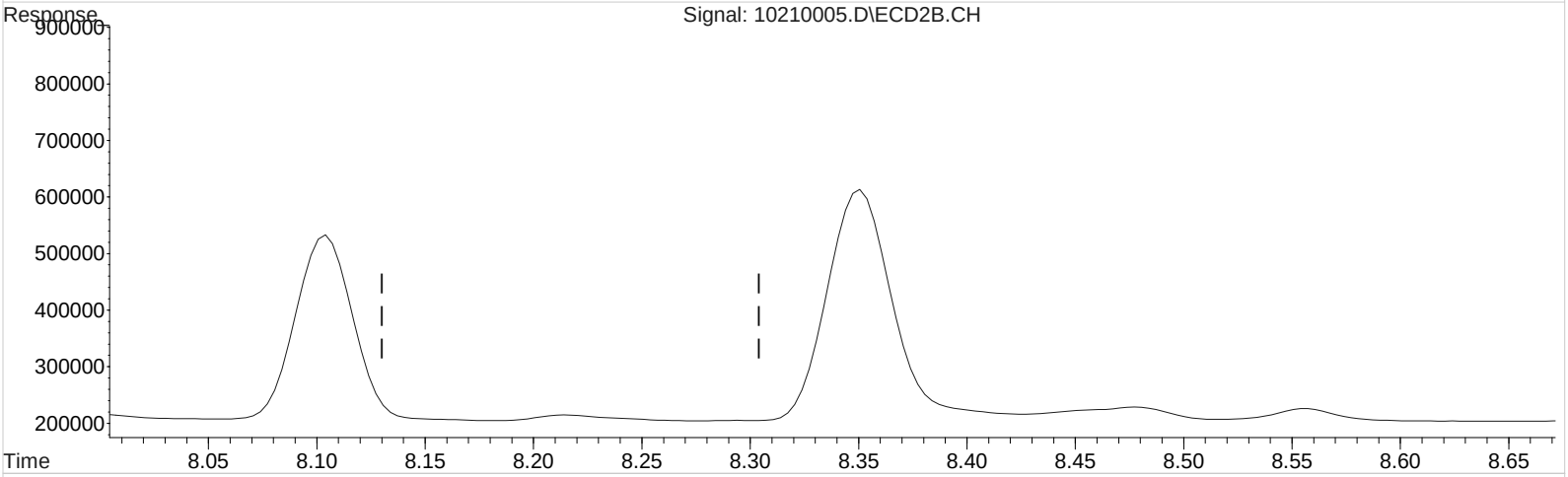
1st UA 10/21/20
2nd 10/22/20

Data File : J:\gc24\data\102120\10210005.D Vial: 4
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Oct 2020 2:09 pm Operator: UA
Sample : PENTA2-14L 25PPB Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Oct 21 17:26:50 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:26:33 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(3) Dicamba (m)

8.214min 26.131 ppb m

response 1772679

Manual Integration:

After

Baseline/Shoulder

10/21/20

(3) Dicamba #2 (m)

7.917min 26.313 ppb

response 3745342

(+) = Expected Retention Time

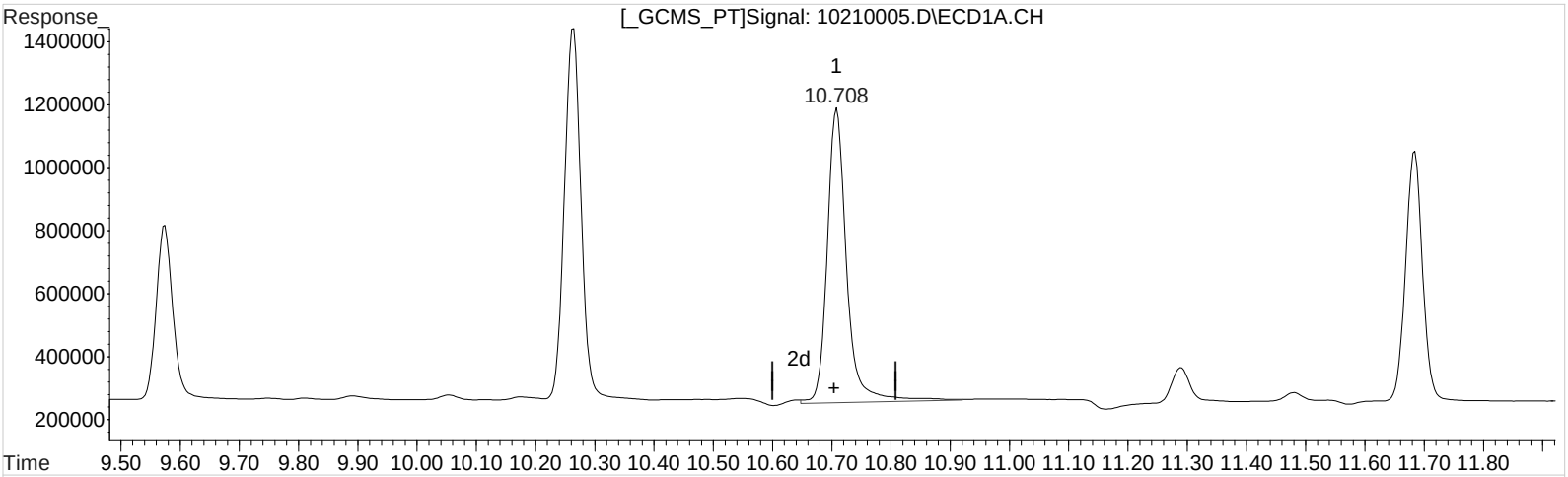
Quantitation Report (Qedit)

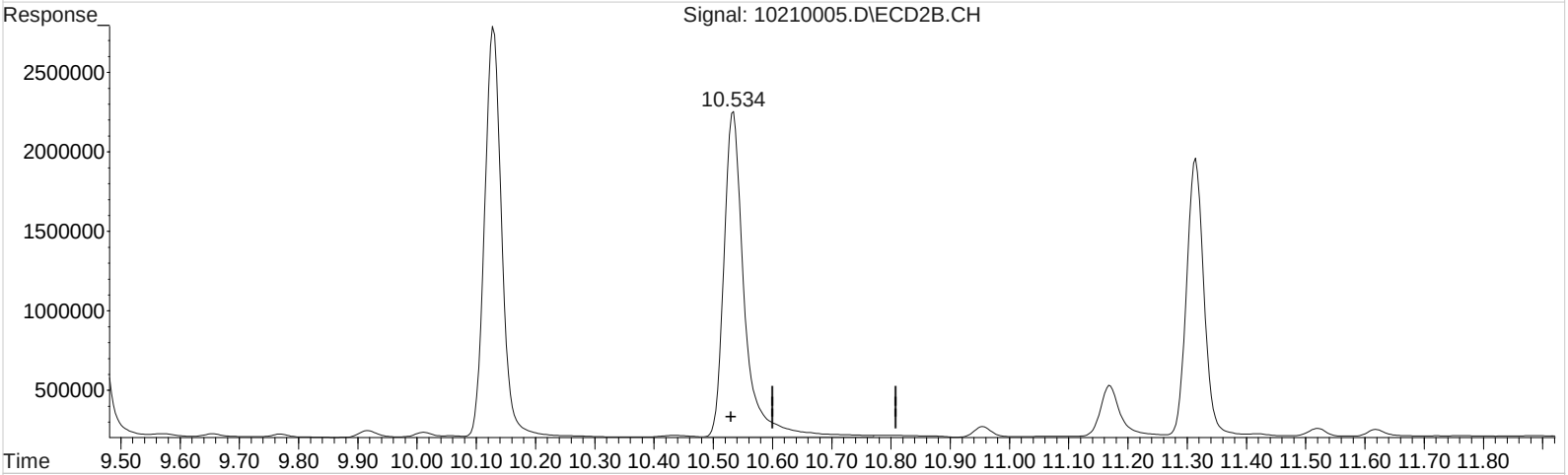
1st UA 10/21/20
2nd 10/22/20

Data File : J:\gc24\data\102120\10210005.D Vial: 4
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Oct 2020 2:09 pm Operator: UA
Sample : PENTA2-14L 25PPB Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Oct 21 17:26:50 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:26:33 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(9) 2,4,5-T (m)

10.708min 26.371 ppb

response 2135780

(9) 2,4,5-T #2 (m)

10.534min 26.821 ppb

response 4914810

Manual Integration:

Before

10/21/20

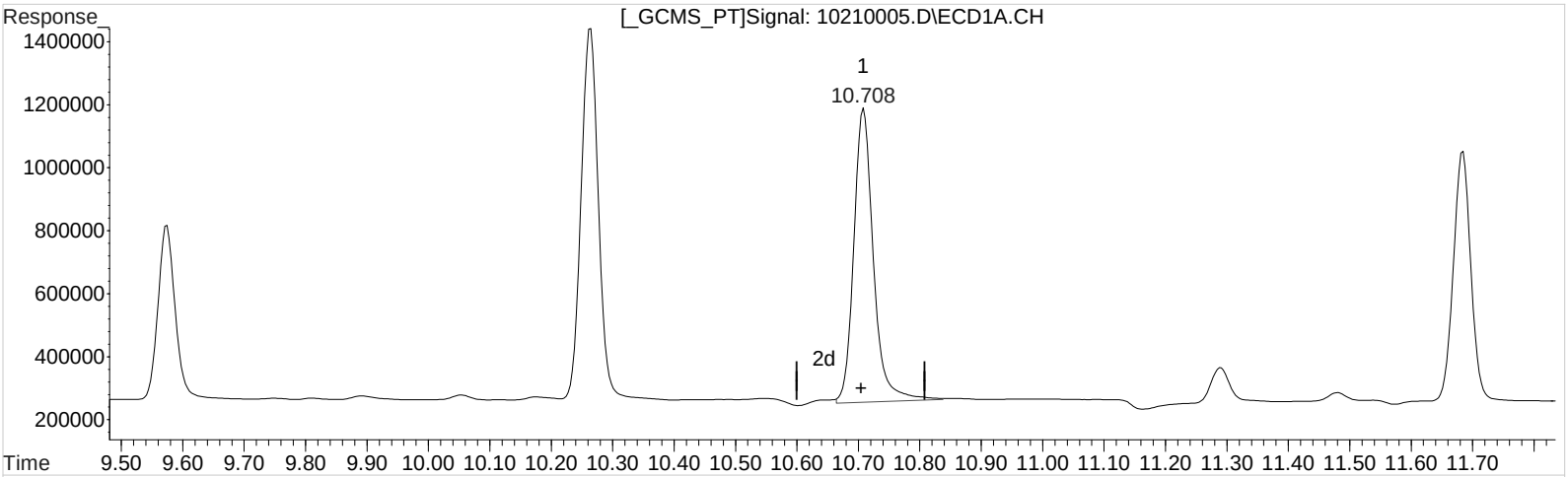
(+) = Expected Retention Time

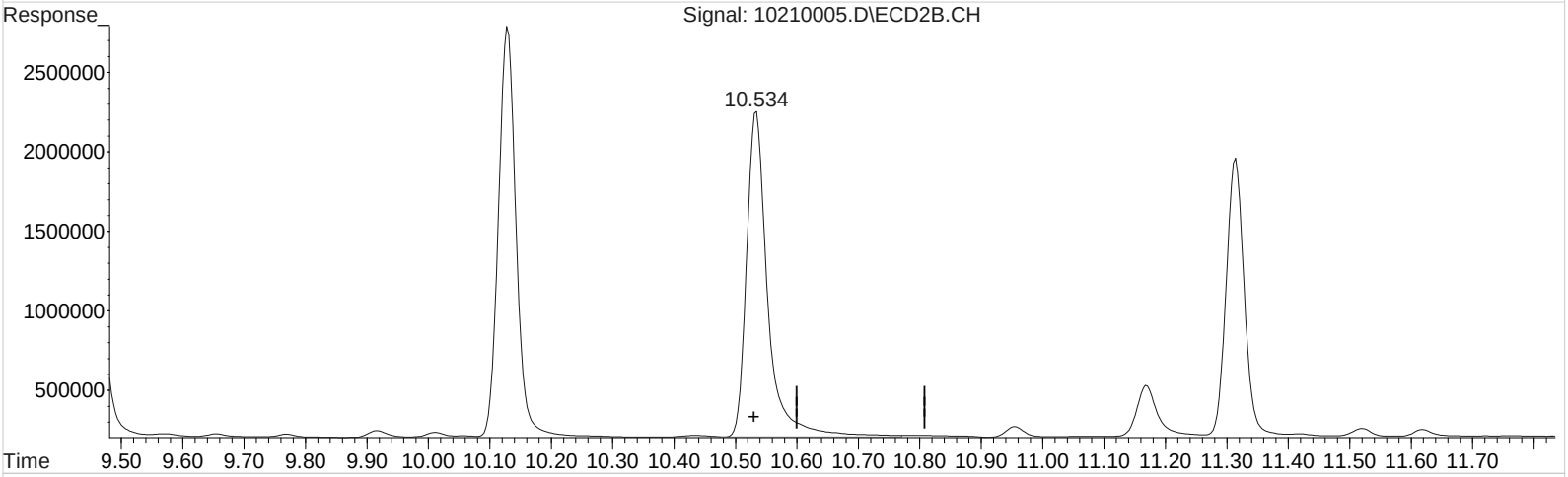
1st UA 10/21/20
2nd 10/22/20

Data File : J:\gc24\data\102120\10210005.D Vial: 4
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Oct 2020 2:09 pm Operator: UA
Sample : PENTA2-14L 25PPB Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Oct 21 17:26:50 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:26:33 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(9) 2,4,5-T (m)

10.708min 25.526 ppb m

response 2067316

Manual Integration:

After

Baseline/Shoulder

10/21/20

(9) 2,4,5-T #2 (m)

10.534min 26.821 ppb

response 4914810

(+) = Expected Retention Time

Quantitation Report (QT Reviewed)

1st UA 10/21/20
2nd 10/22/20

Data File : J:\gc24\data\102120\10210006.D Vial: 5
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Oct 2020 2:33 pm Operator: UA
Sample : PENTA2-14M 75PPB Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Oct 21 17:26:03 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:24:19 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm

		Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
		System Monitoring Compounds						
2)	s	2,4-Dichl...	7.994	7.813	1215646	2731831	70.442	70.893
		Target Compounds						
1)	m	Dalapon	3.127	2.873	1539560	3208933	65.523m	67.872m
3)	m	Dicamba	8.214	7.917	4777999	10040786	70.417	70.550
4)	m	MCPP	8.300	8.103	302116	1300529	6746.467	8151.025
5)	m	MCPA	8.564	8.350	422140	1746556	7002.375	8103.973
6)	m	Dichloroprop	8.964	8.750	1271081	2826954	72.793	73.826
7)	m	2,4-D	9.324	9.057	1462698	3415664	72.757	73.646
8)	m	2,4,5-TP ...	10.260	10.127	6475348	13928120	69.897	71.425
9)	m	2,4,5-T	10.704	10.530	5799509	13030282	71.712	71.109
10)	m	2,4-DB	11.284	11.163	711824	1973095	72.304m	72.345
11)	m	Dinoseb	11.680	11.313	4350886	9284027	73.117	72.100

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

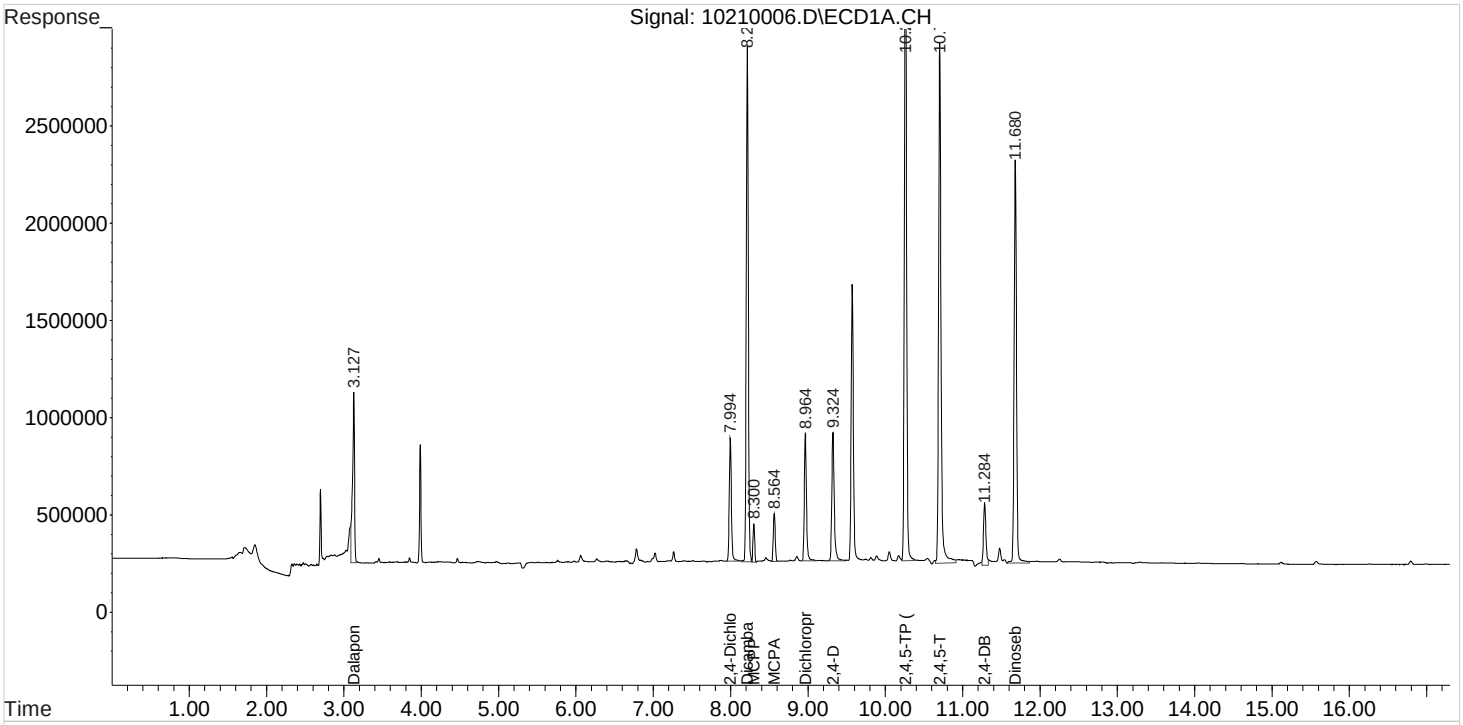
Quantitation Report (QT Reviewed)

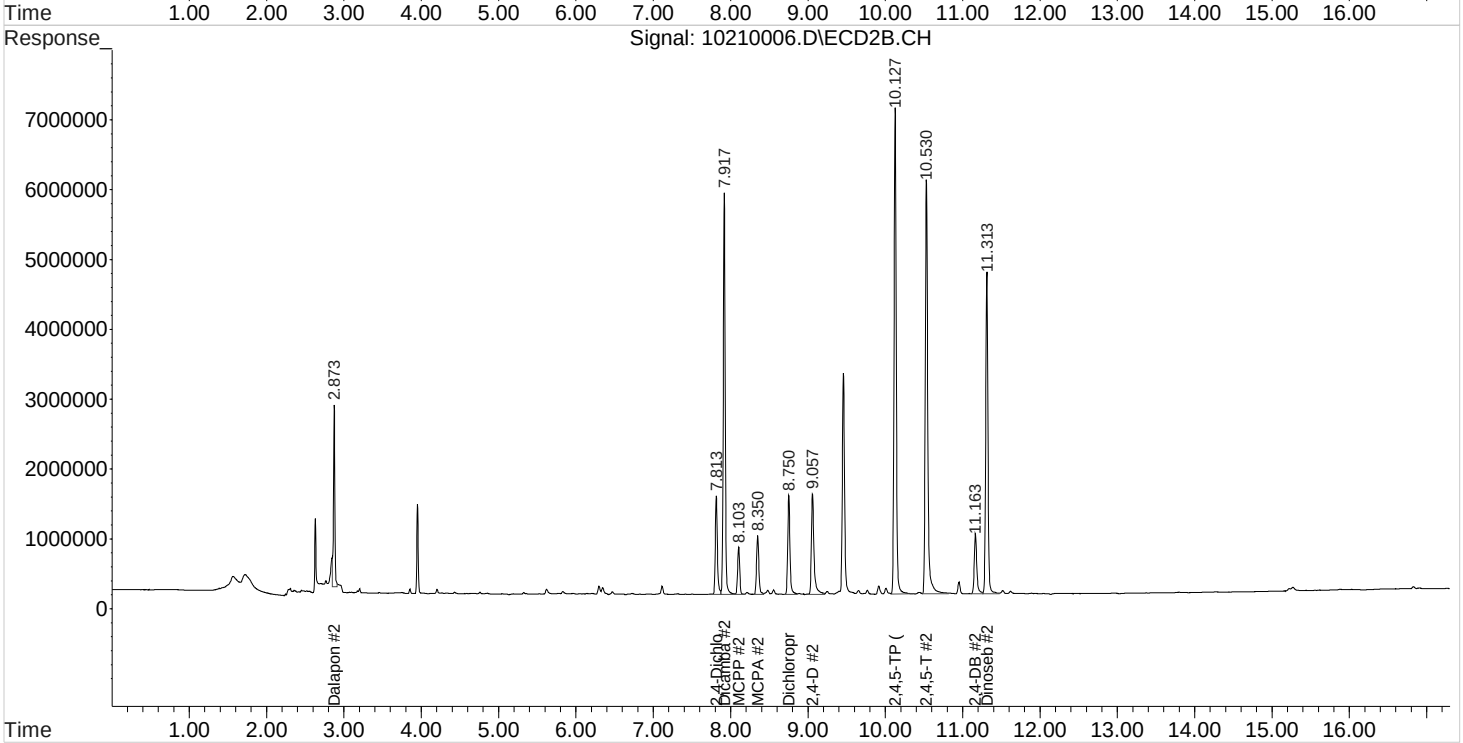
1st UA 10/21/20
2nd 10/22/20

Data File : J:\gc24\data\102120\10210006.D Vial: 5
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Oct 2020 2:33 pm Operator: UA
Sample : PENTA2-14M 75PPB Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Oct 21 17:26:03 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:24:19 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





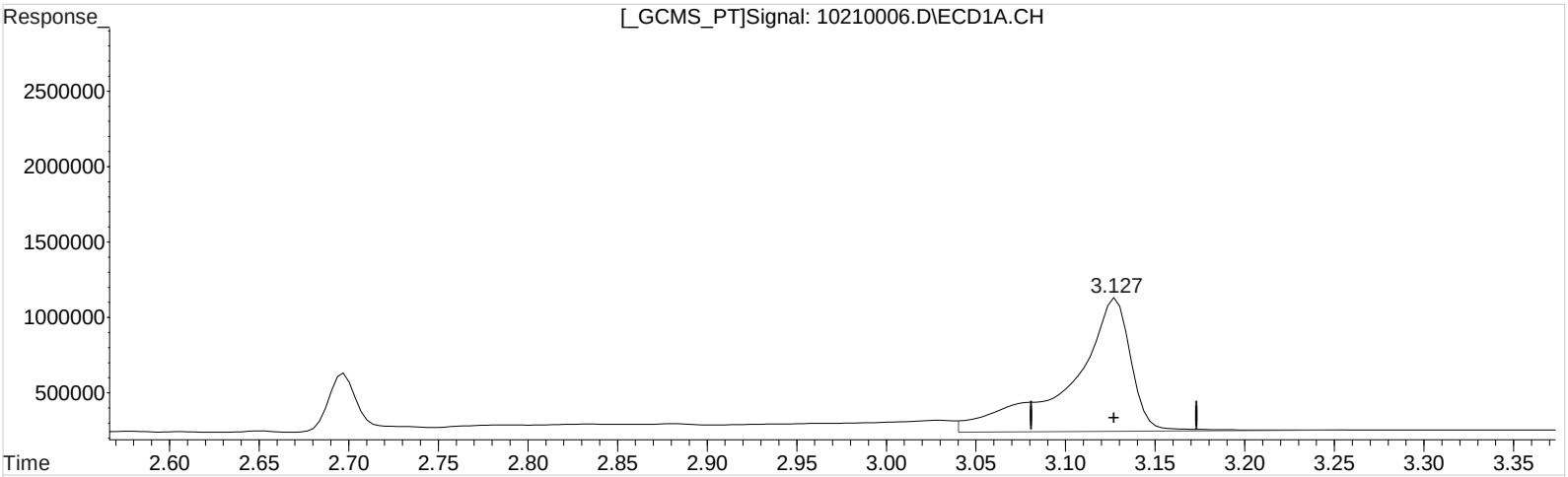
Quantitation Report (Qedit)

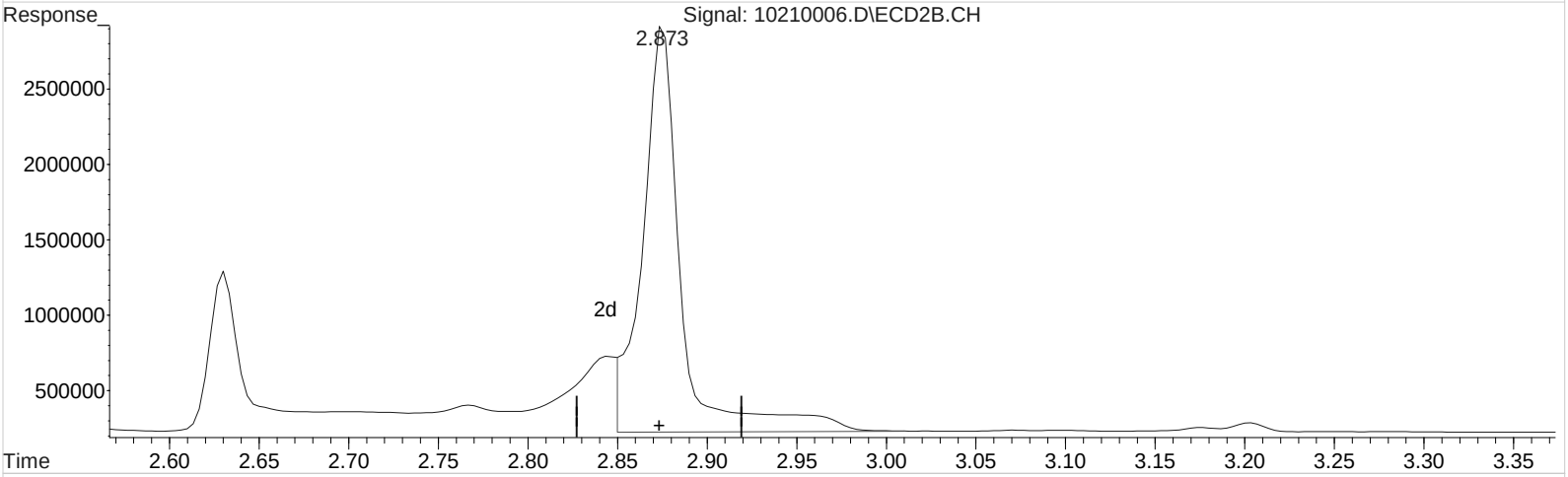
1st UA 10/21/20
2nd 10/22/20

Data File : J:\gc24\data\102120\10210006.D Vial: 5
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Oct 2020 2:33 pm Operator: UA
Sample : PENTA2-14M 75PPB Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Oct 21 17:24:40 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:24:19 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(1) Dalapon (m)

3.127min 88.037 ppb

response 2068544

Manual Integration:

Before

10/21/20

(1) Dalapon #2 (m)

2.873min 84.167 ppb

response 3979368

(+) = Expected Retention Time

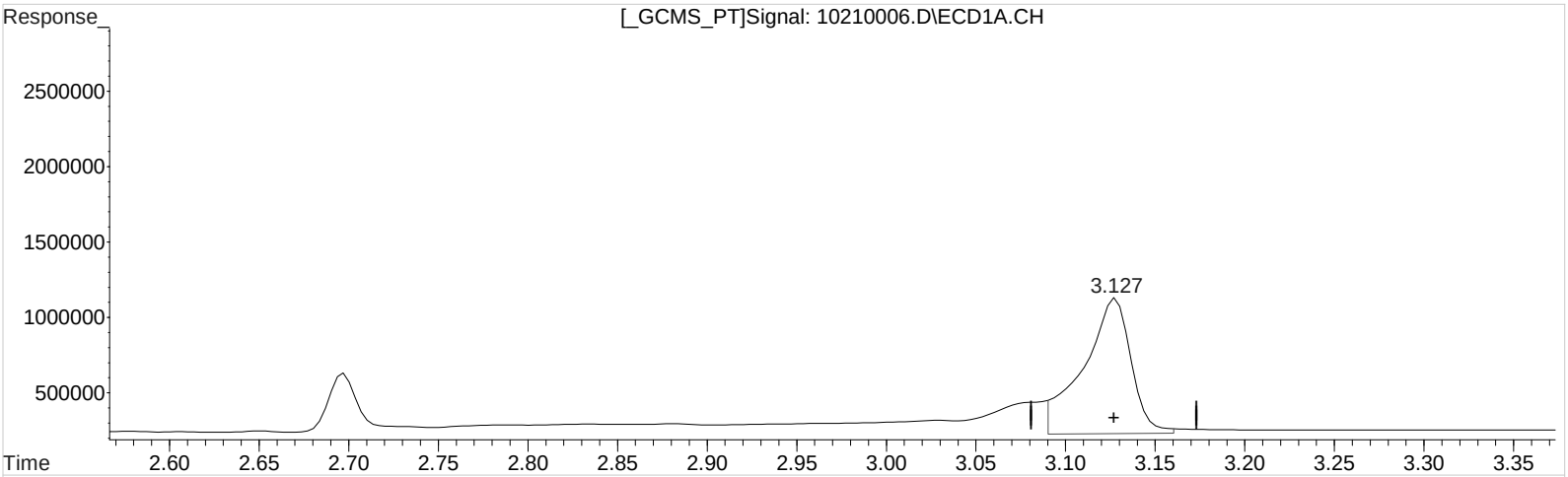
Quantitation Report (Qedit)

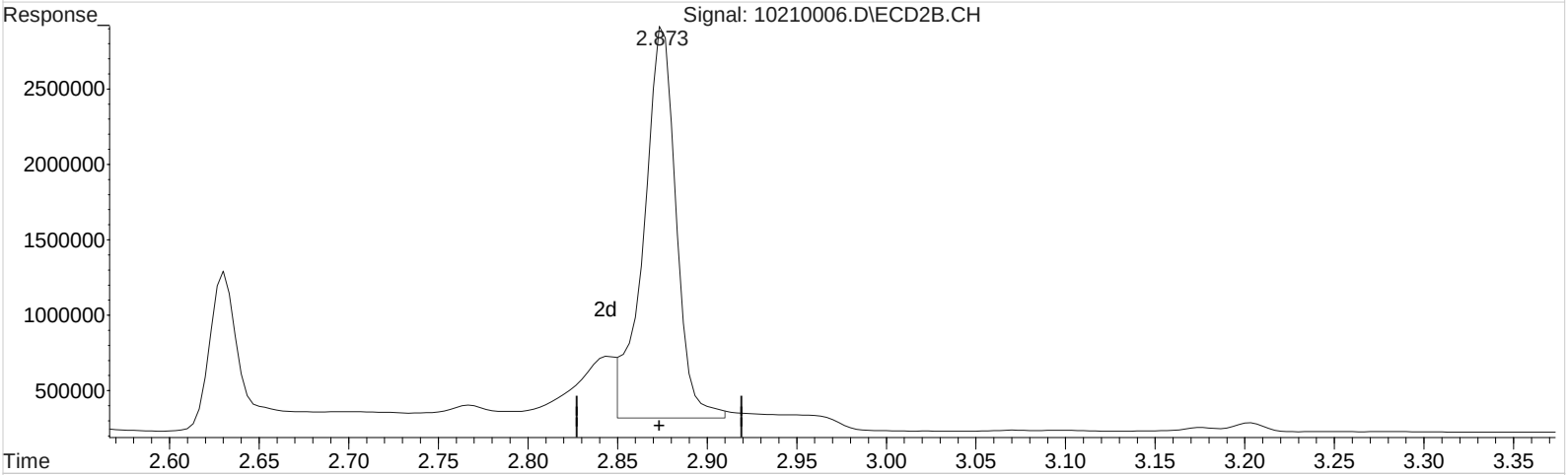
1st UA 10/21/20
2nd 10/22/20

Data File : J:\gc24\data\102120\10210006.D Vial: 5
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Oct 2020 2:33 pm Operator: UA
Sample : PENTA2-14M 75PPB Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Oct 21 17:24:40 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:24:19 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(1) Dalapon (m)

3.127min 70.095 ppb m

response 1646979

Manual Integration:

After

Baseline/Shoulder

10/21/20

(1) Dalapon #2 (m)

2.873min 67.872 ppb m

response 3208933

(+) = Expected Retention Time

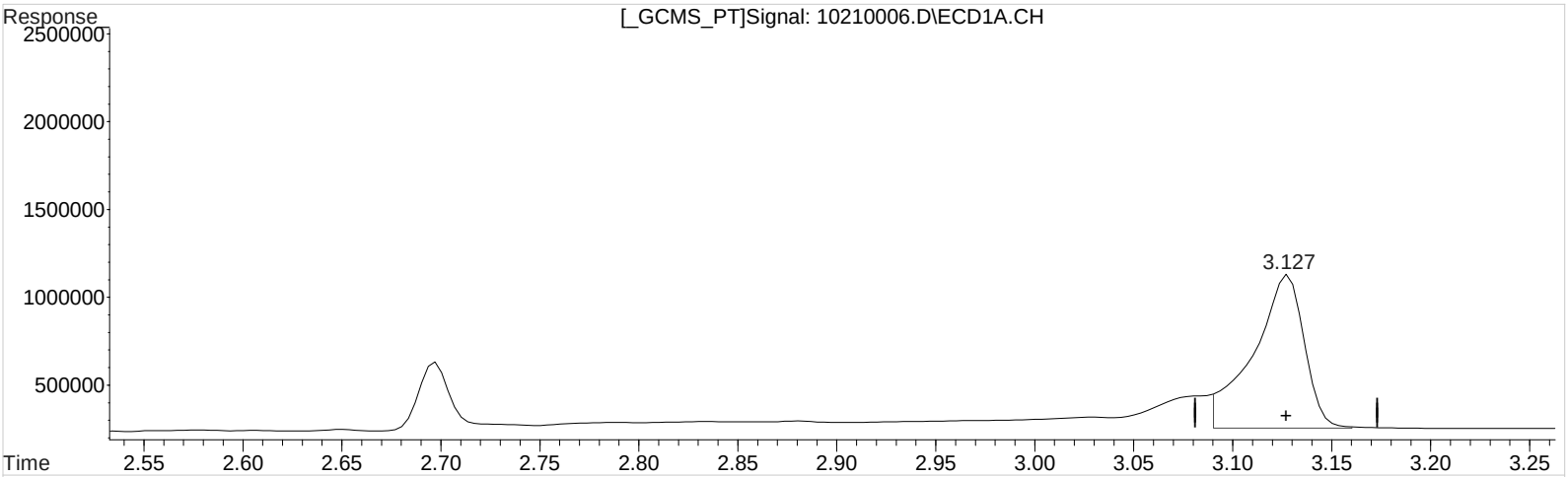
Quantitation Report (Qedit)

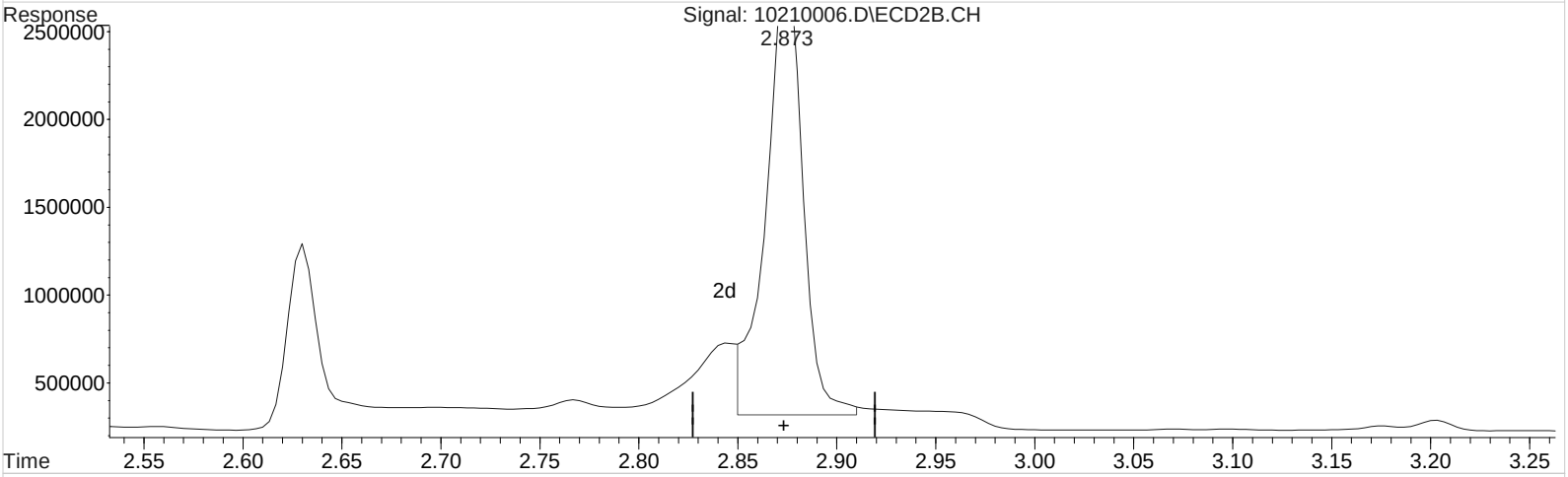
1st UA 10/21/20
2nd 10/22/20

Data File : J:\gc24\data\102120\10210006.D Vial: 5
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Oct 2020 2:33 pm Operator: UA
Sample : PENTA2-14M 75PPB Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Oct 21 17:24:40 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:24:19 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(1) Dalapon (m)

3.127min 65.523 ppb m

response 1539560

Manual Integration:

After

Baseline/Shoulder

10/21/20

(1) Dalapon #2 (m)

2.873min 67.872 ppb m

response 3208933

(+) = Expected Retention Time

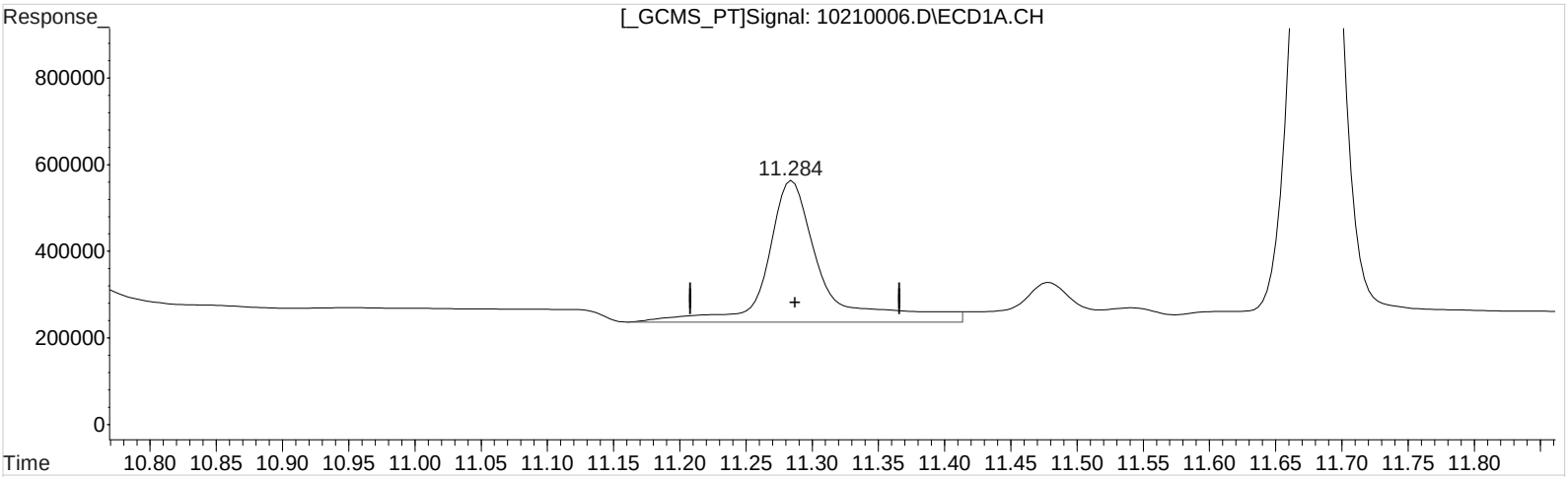
Quantitation Report (Qedit)

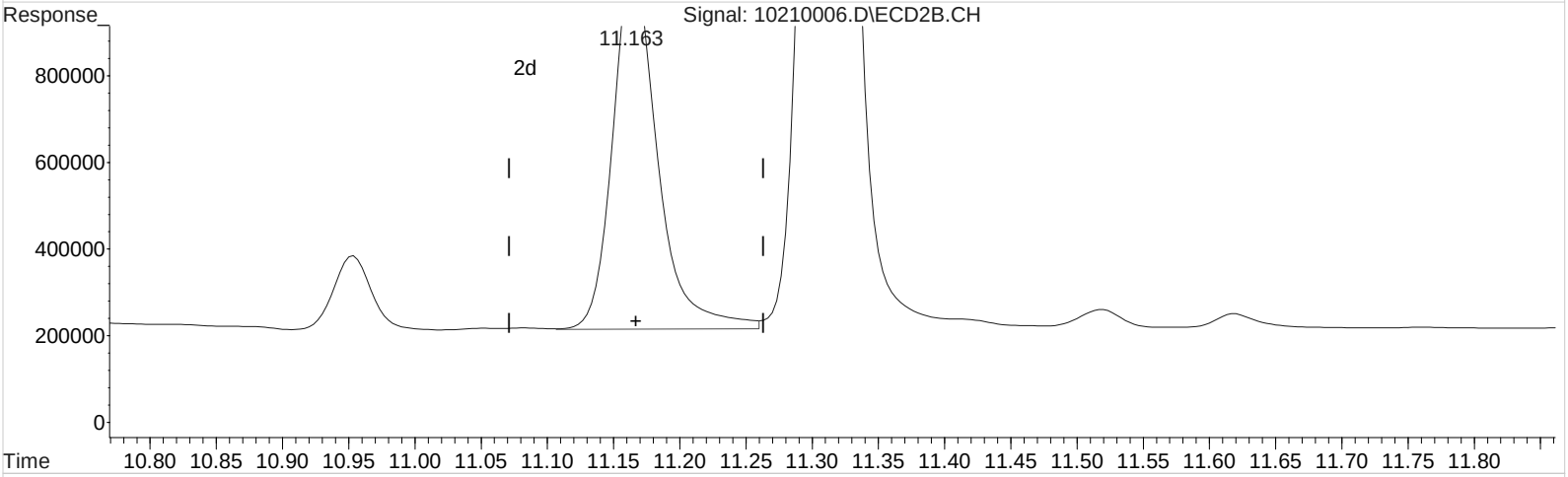
1st UA 10/21/20
2nd 10/22/20

Data File : J:\gc24\data\102120\10210006.D Vial: 5
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Oct 2020 2:33 pm Operator: UA
Sample : PENTA2-14M 75PPB Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Oct 21 17:24:40 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:24:19 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(10) 2,4-DB (m)

11.284min 94.555 ppb

response 930876

(10) 2,4-DB #2 (m)

11.163min 72.345 ppb

response 1973095

Manual Integration:

Before

10/21/20

(+) = Expected Retention Time

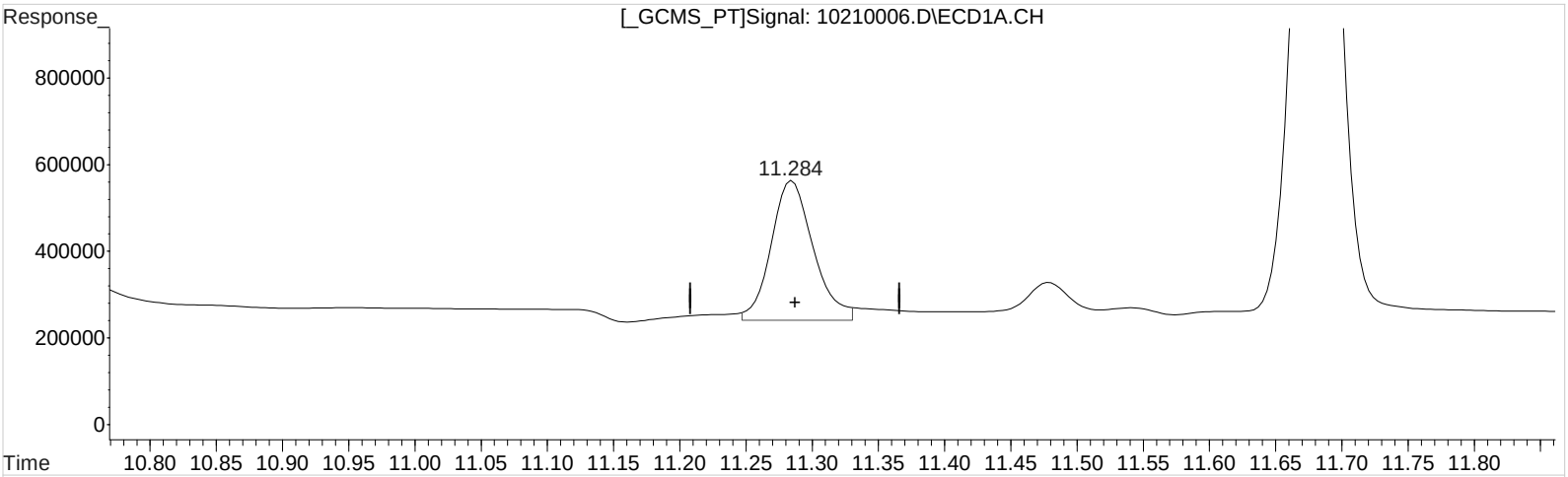
Quantitation Report (Qedit)

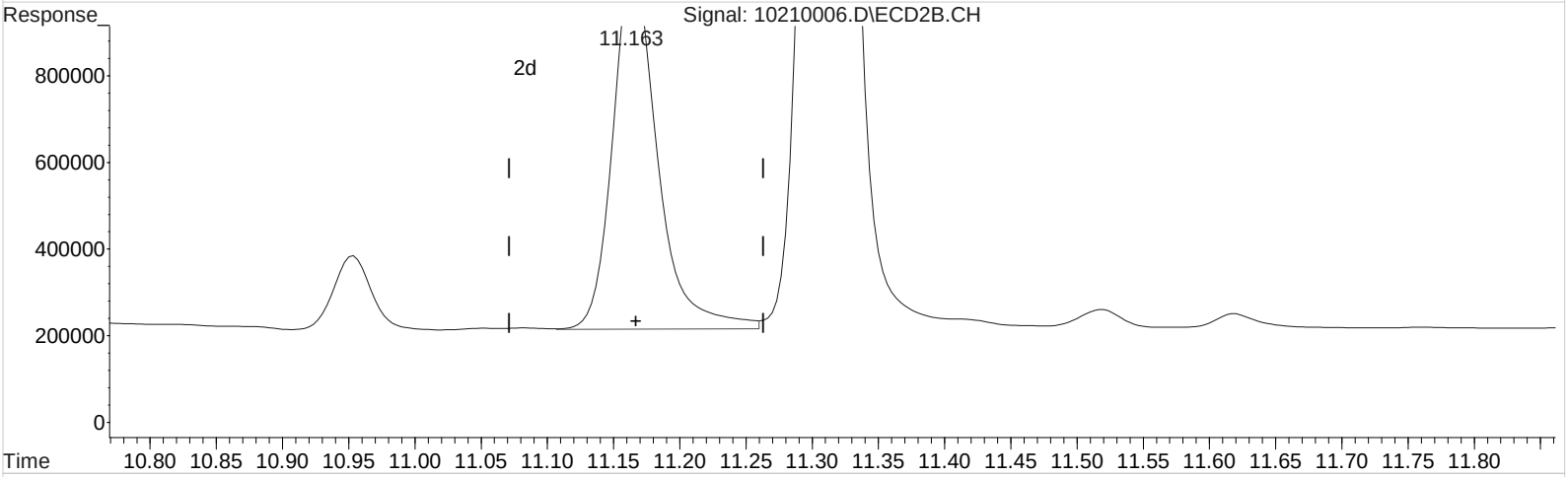
1st UA 10/21/20
2nd 10/22/20

Data File : J:\gc24\data\102120\10210006.D Vial: 5
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Oct 2020 2:33 pm Operator: UA
Sample : PENTA2-14M 75PPB Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Oct 21 17:24:40 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:24:19 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(10) 2,4-DB (m)

11.284min 72.304 ppb m

response 711824

Manual Integration:

After

Baseline/Shoulder

10/21/20

(10) 2,4-DB #2 (m)

11.163min 72.345 ppb

response 1973095

(+) = Expected Retention Time

Quantitation Report (QT Reviewed)

1st UA 10/21/20
2nd 10/22/20

Data File : J:\gc24\data\102120\10210007.D Vial: 6
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Oct 2020 2:57 pm Operator: UA
Sample : PENTA2-14N 100PB Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Oct 21 17:16:06 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:14:34 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
2) s	2,4-Dichl...	7.997	7.817	1618486	3565715	90.200	90.200
	Target Compounds						
1) m	Dalapon	3.127	2.873	2162531	4219125	94.759m	90.872m
3) m	Dicamba	8.217	7.917	6478443	13439517	94.000	94.000
4) m	MCPP	8.300	8.107	420510	1620847	9386.000	9386.000
5) m	MCPA	8.567	8.353	573212	2171147	9346.000	9346.000
6) m	Dichloroprop	8.967	8.753	1713548	3718829	94.400	94.400
7) m	2,4-D	9.324	9.057	1932853	4480708	94.000	94.000
8) m	2,4,5-TP ...	10.264	10.130	8853387	18598859	95.100	95.100
9) m	2,4,5-T	10.704	10.530	7699095	17520598	94.800	95.204
10) m	2,4-DB	11.287	11.167	941169	2610405	93.789m	94.700
11) m	Dinoseb	11.684	11.313	5699341	12298812	94.500	94.500

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

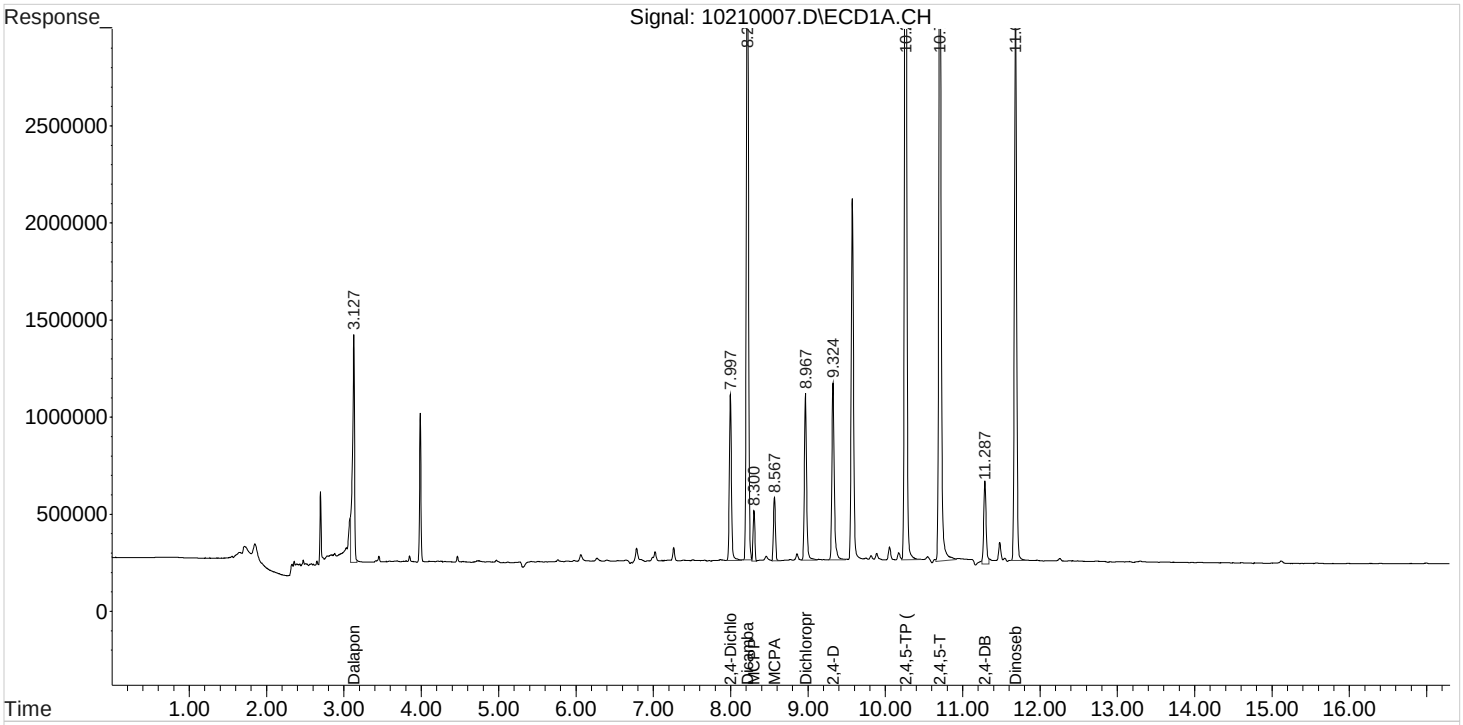
Quantitation Report (QT Reviewed)

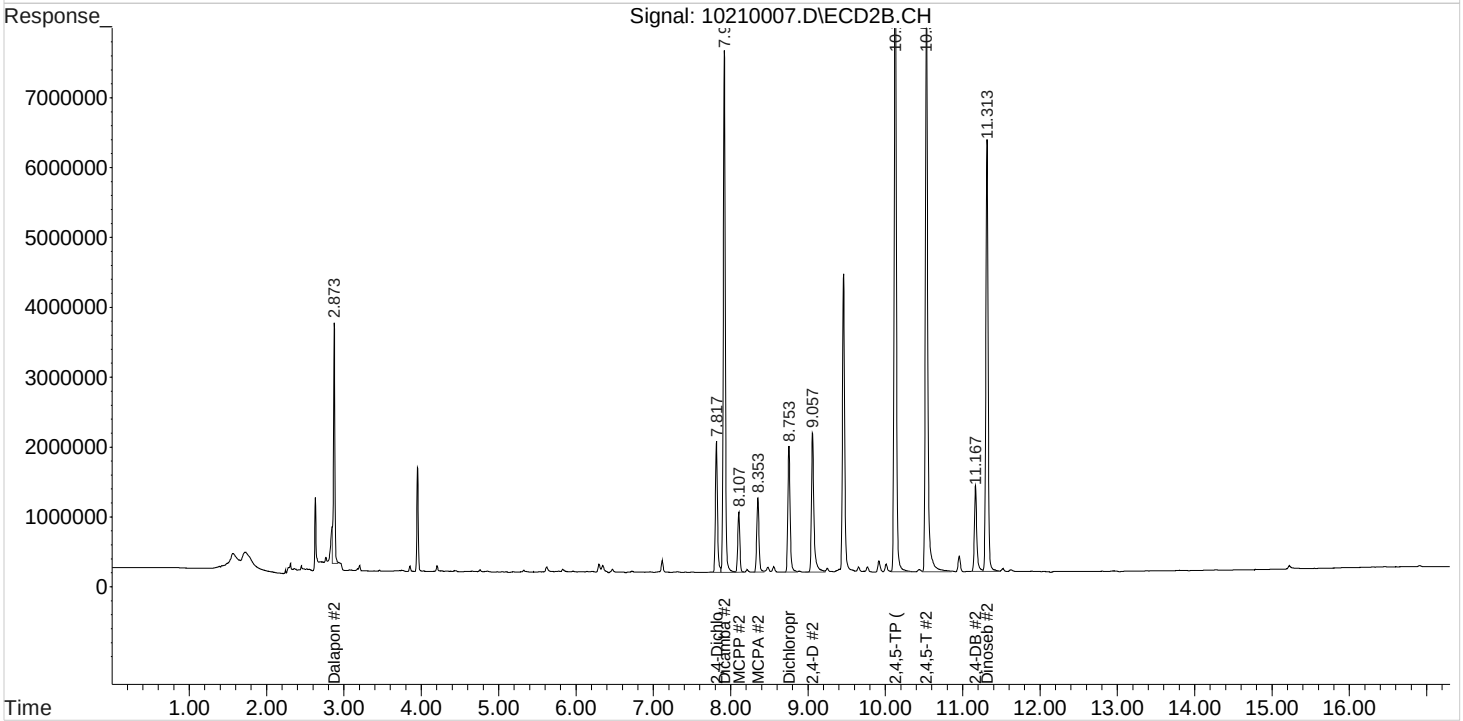
1st UA 10/21/20
2nd 10/22/20

Data File : J:\gc24\data\102120\10210007.D Vial: 6
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Oct 2020 2:57 pm Operator: UA
Sample : PENTA2-14N 100PB Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Oct 21 17:16:06 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:14:34 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





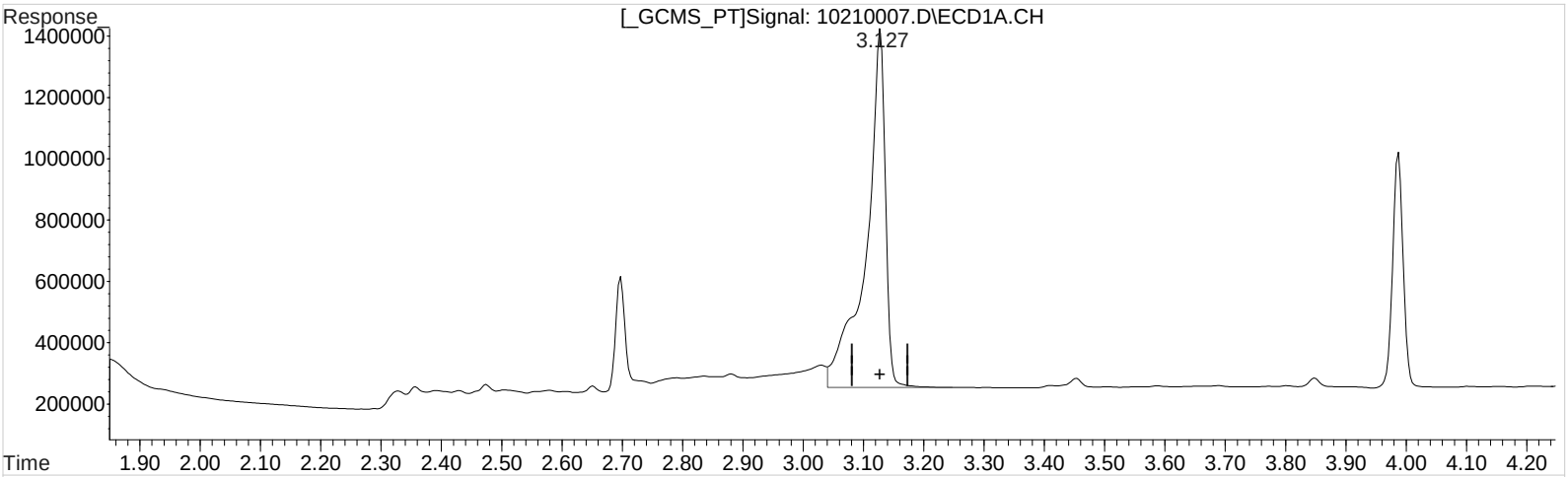
Quantitation Report (Qedit)

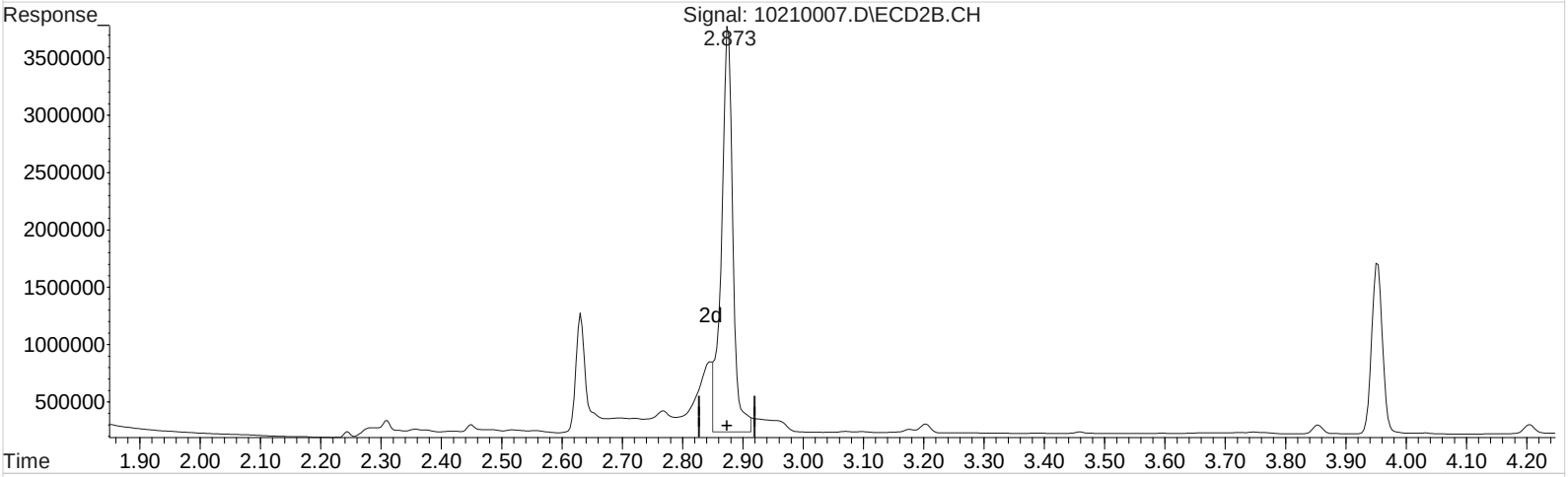
1st UA 10/21/20
2nd 10/22/20

Data File : J:\gc24\data\102120\10210007.D Vial: 6
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Oct 2020 2:57 pm Operator: UA
Sample : PENTA2-14N 100PB Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Oct 21 16:16:14 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 16:16:08 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(1) Dalapon (m)

3.127min 91.100 ppb

response 2583448

(1) Dalapon #2 (m)

2.873min 90.173 ppb m

response 4587035

Manual Integration:

After

Baseline/Shoulder

10/21/20

(+) = Expected Retention Time

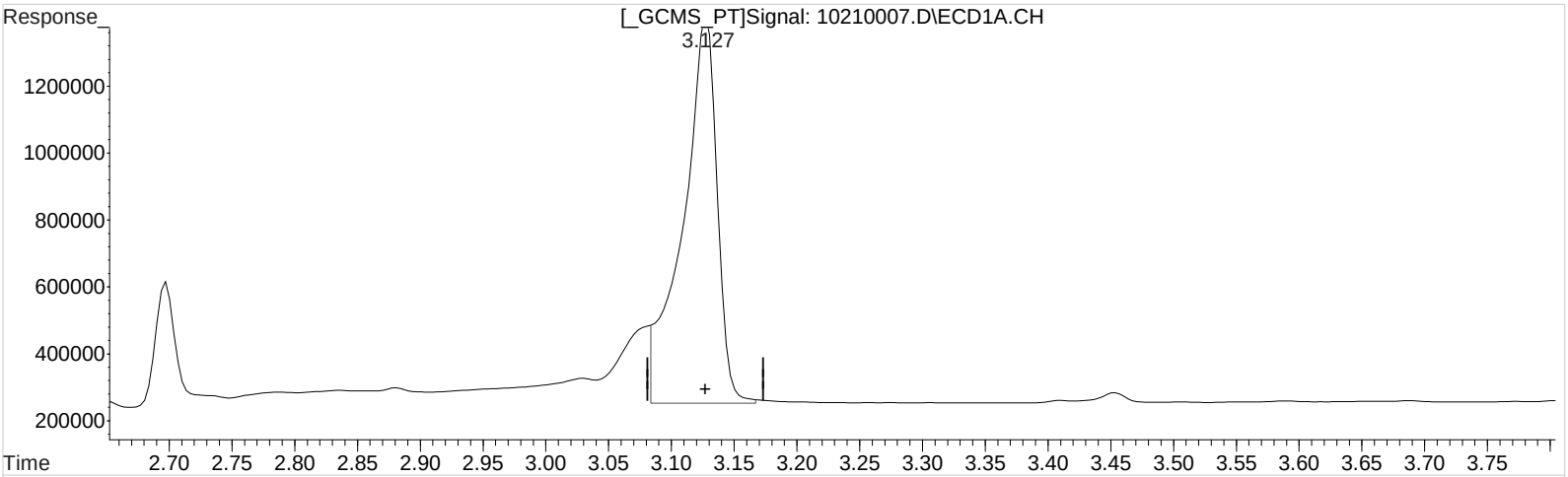
Quantitation Report (Qedit)

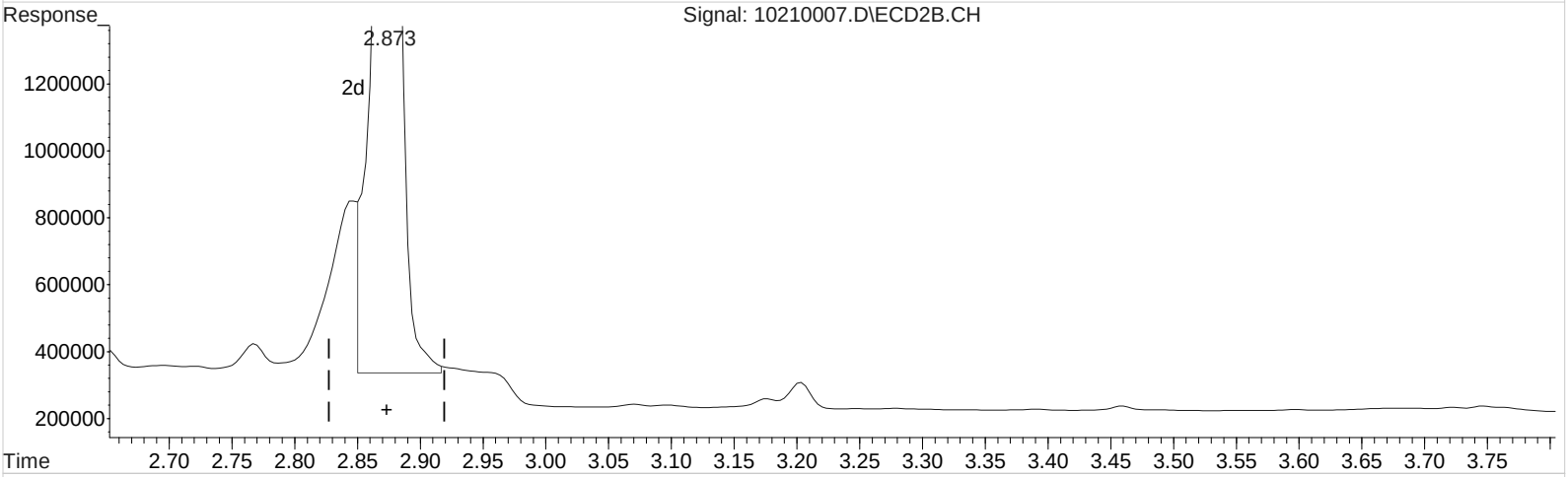
1st UA 10/21/20
2nd 10/22/20

Data File : J:\gc24\data\102120\10210007.D Vial: 6
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Oct 2020 2:57 pm Operator: UA
Sample : PENTA2-14N 100PB Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Oct 21 17:14:42 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:14:34 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(1) Dalapon (m)

3.127min 94.759 ppb m

response 2162531

Manual Integration:

After

Baseline/Shoulder

10/21/20

(1) Dalapon #2 (m)

2.873min 90.872 ppb m

response 4219125

(+) = Expected Retention Time

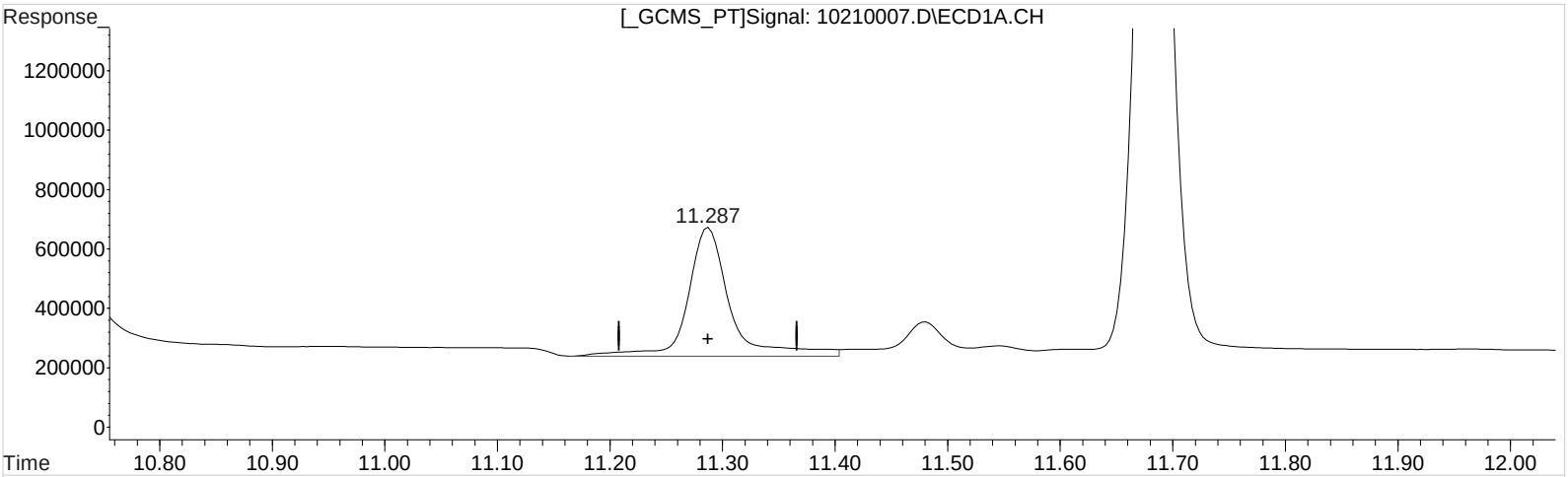
Quantitation Report (Qedit)

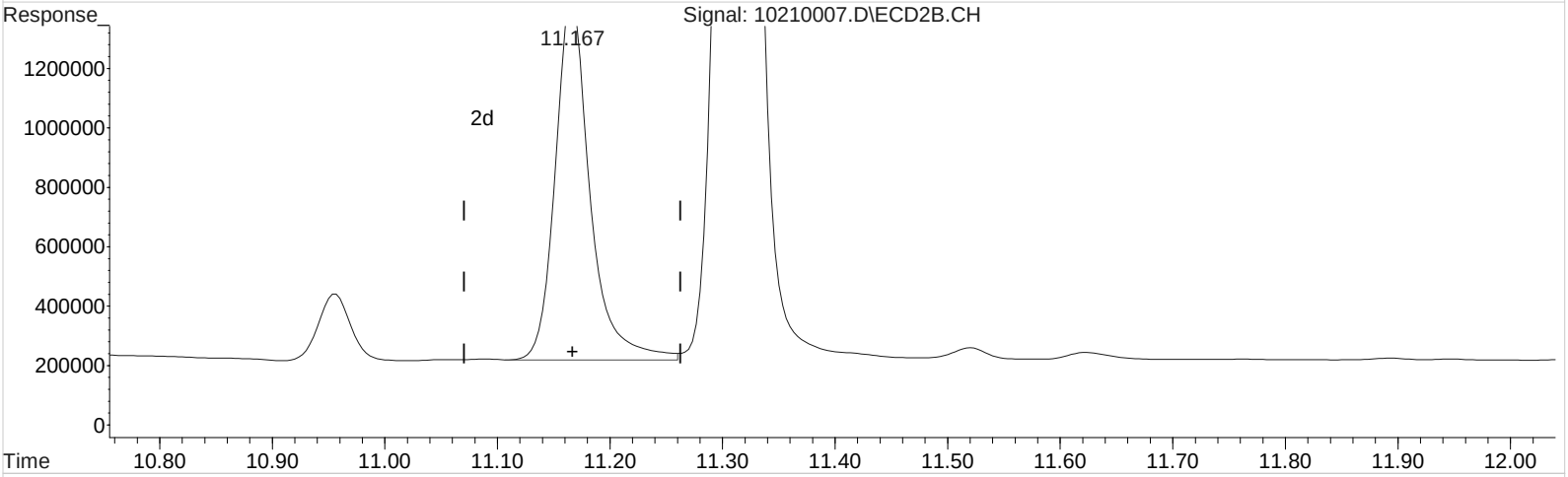
1st UA 10/21/20
2nd 10/22/20

Data File : J:\gc24\data\102120\10210007.D Vial: 6
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Oct 2020 2:57 pm Operator: UA
Sample : PENTA2-14N 100PB Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Oct 21 17:14:42 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:14:34 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(10) 2,4-DB (m)

11.287min 112.668 ppb

response 1130621

(10) 2,4-DB #2 (m)

11.167min 94.700 ppb

response 2610405

Manual Integration:

Before

10/21/20

(+) = Expected Retention Time

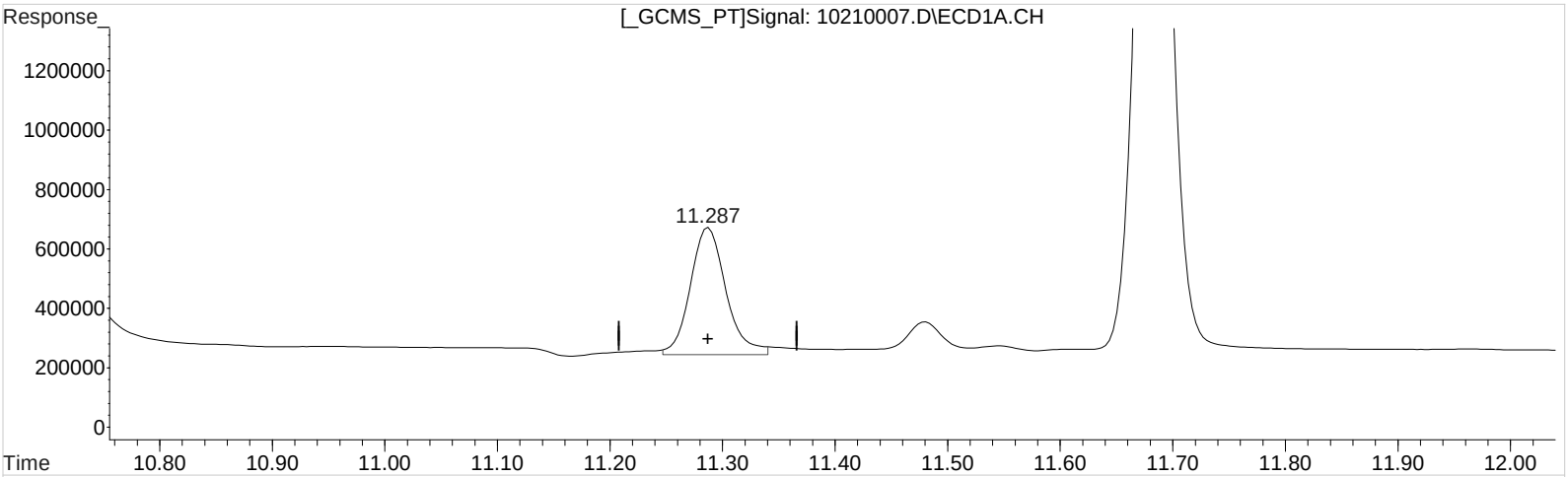
Quantitation Report (Qedit)

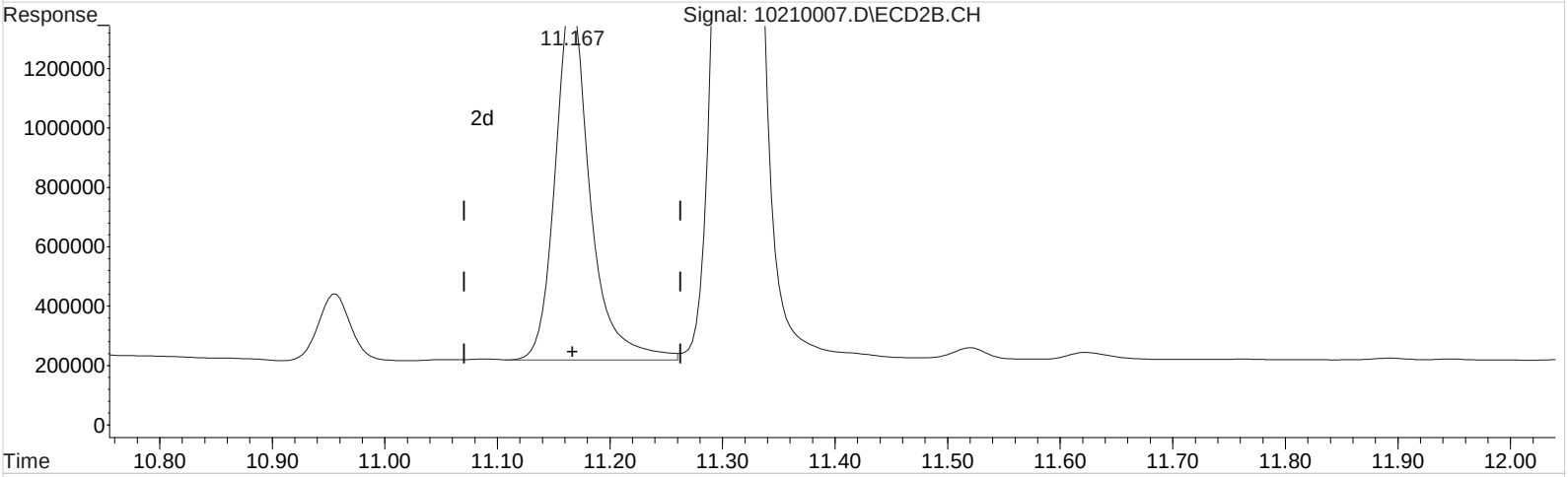
1st UA 10/21/20
2nd 10/22/20

Data File : J:\gc24\data\102120\10210007.D Vial: 6
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Oct 2020 2:57 pm Operator: UA
Sample : PENTA2-14N 100PB Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Oct 21 17:14:42 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:14:34 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(10) 2,4-DB (m)

11.287min 93.789 ppb m

response 941169

(10) 2,4-DB #2 (m)

11.167min 94.700 ppb

response 2610405

Manual Integration:

After

Baseline/Shoulder

10/21/20

(+) = Expected Retention Time

Quantitation Report (QT Reviewed)

1st UA 10/21/20
2nd 10/22/20

Data File : J:\gc24\data\102120\10210008.D Vial: 7
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Oct 2020 3:21 pm Operator: UA
Sample : PENTA2-15A 125PB Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Oct 21 17:24:02 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:22:48 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
2) s	2,4-Dichl...	7.993	7.813	1959232	4387572	113.731	114.146
	Target Compounds						
1) m	Dalapon	3.127	2.873	2668589	5506745	113.511m	117.152m
3) m	Dicamba	8.213	7.916	7967267	16745862	117.390	117.694
4) m	MCPP	8.300	8.106	522627	1929619	11655.124	12187.501
5) m	MCPA	8.563	8.350	704455	2590948	11685.949	12109.753
6) m	Dichloroprop	8.963	8.750	2070717	4562901	118.745	119.464
7) m	2,4-D	9.320	9.056	2385344	5502448	118.932	118.917
8) m	2,4,5-TP ...	10.260	10.126	10956862	23161274	118.135	118.763
9) m	2,4,5-T	10.703	10.530	9647622	21578156	119.497	117.574
10) m	2,4-DB	11.283	11.166	1184989	3225586	120.887m	118.254
11) m	Dinoseb	11.680	11.313	7044640	15278779	118.457	118.795

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

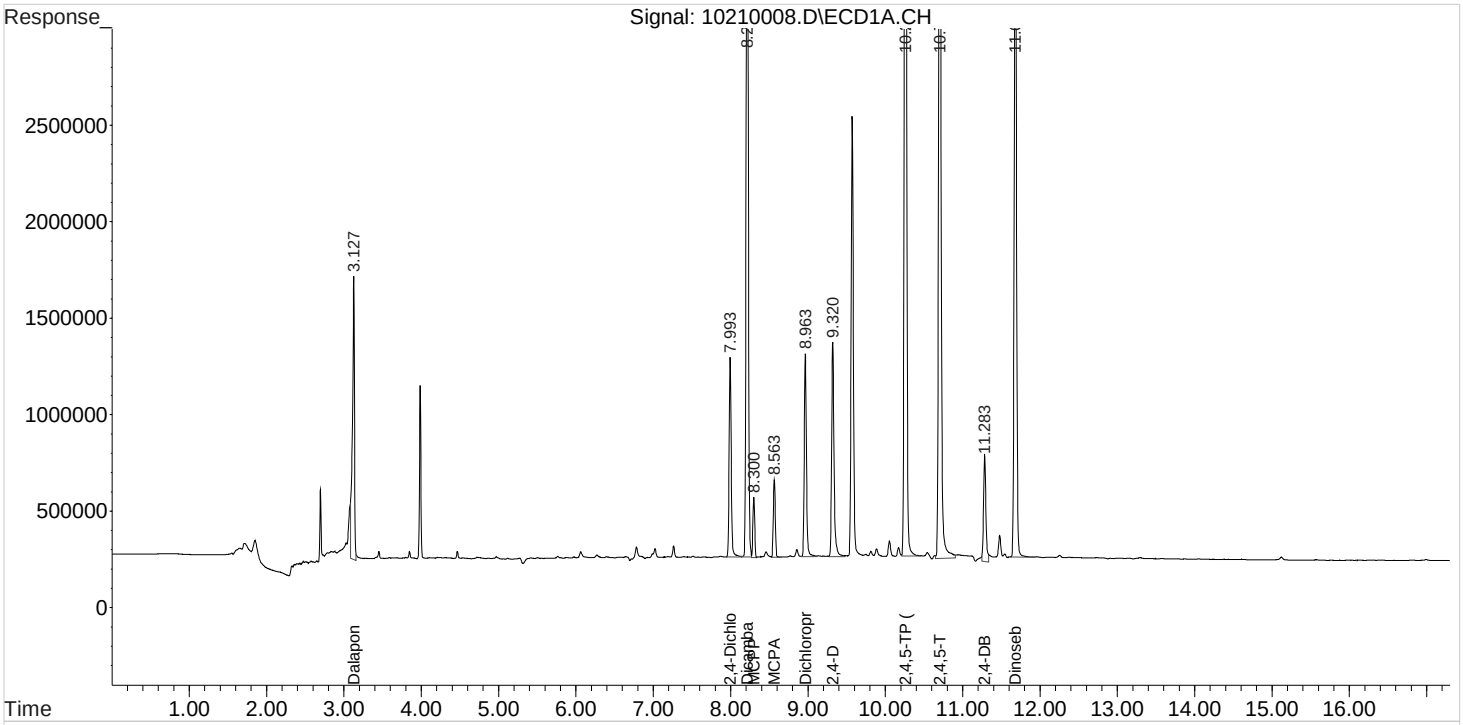
Quantitation Report (QT Reviewed)

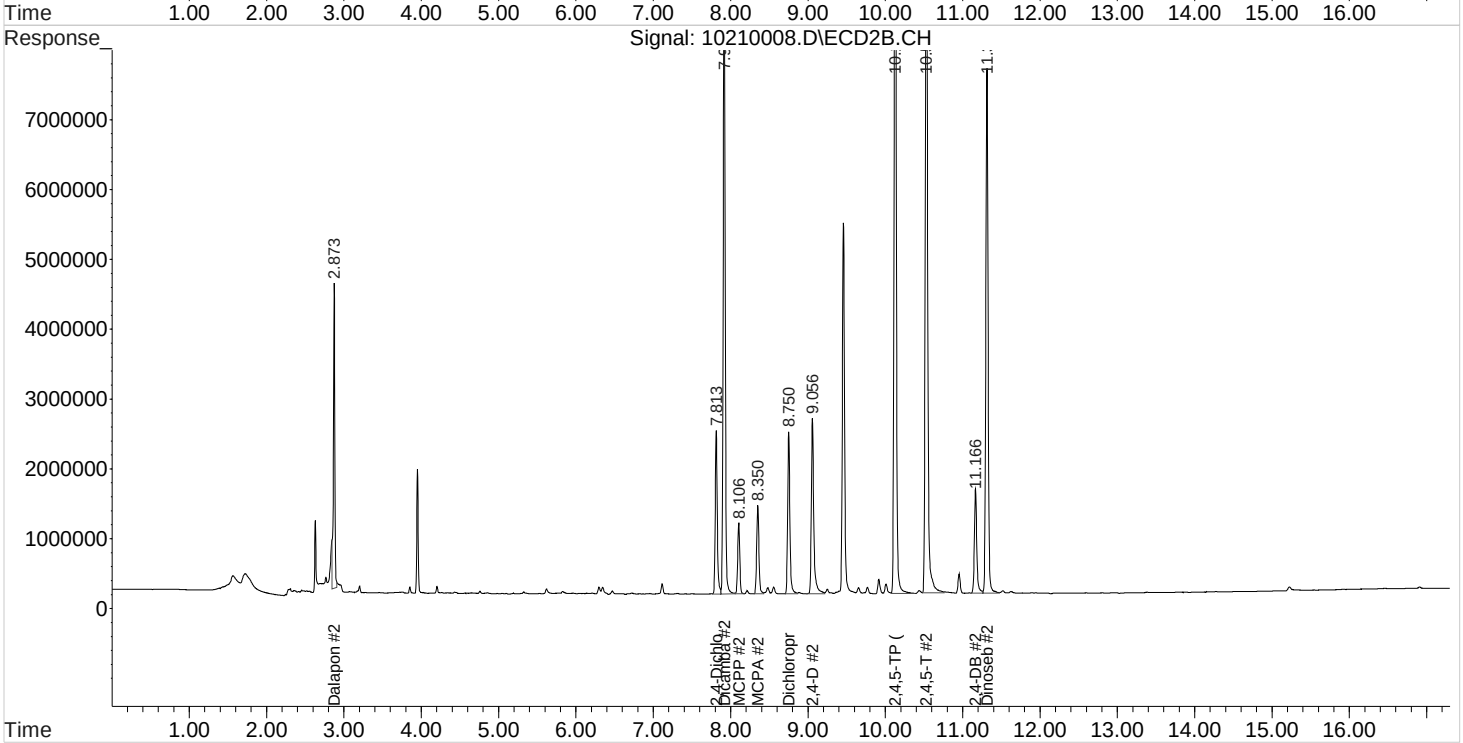
1st UA 10/21/20
2nd 10/22/20

Data File : J:\gc24\data\102120\10210008.D Vial: 7
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Oct 2020 3:21 pm Operator: UA
Sample : PENTA2-15A 125PB Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Oct 21 17:24:02 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:22:48 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





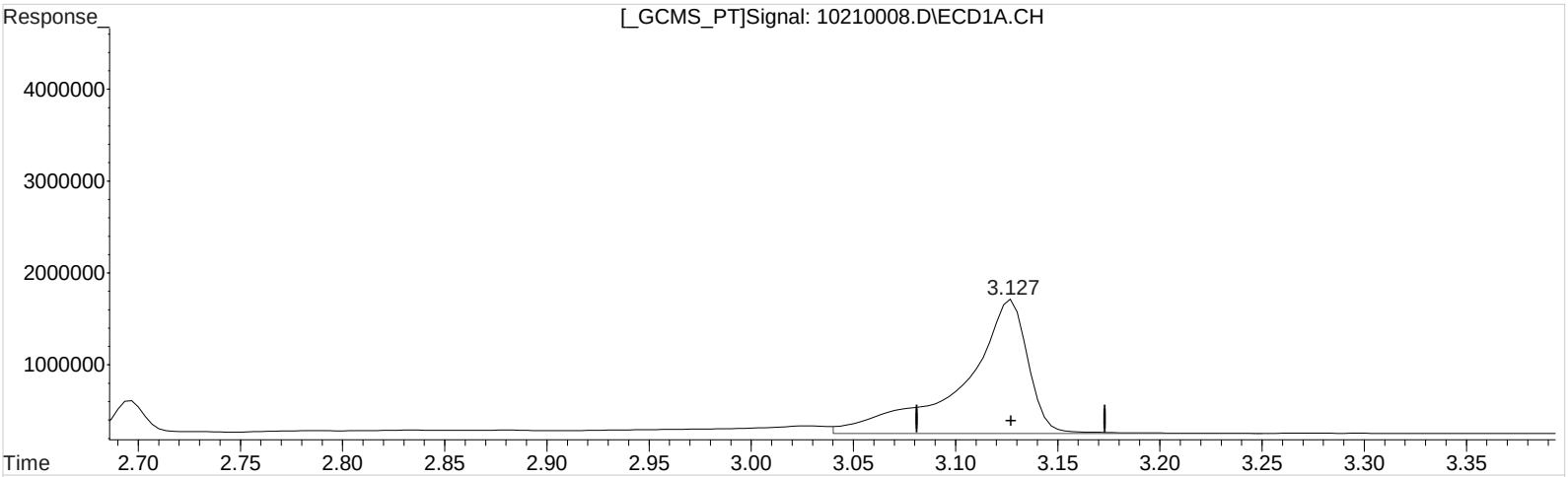
Quantitation Report (Qedit)

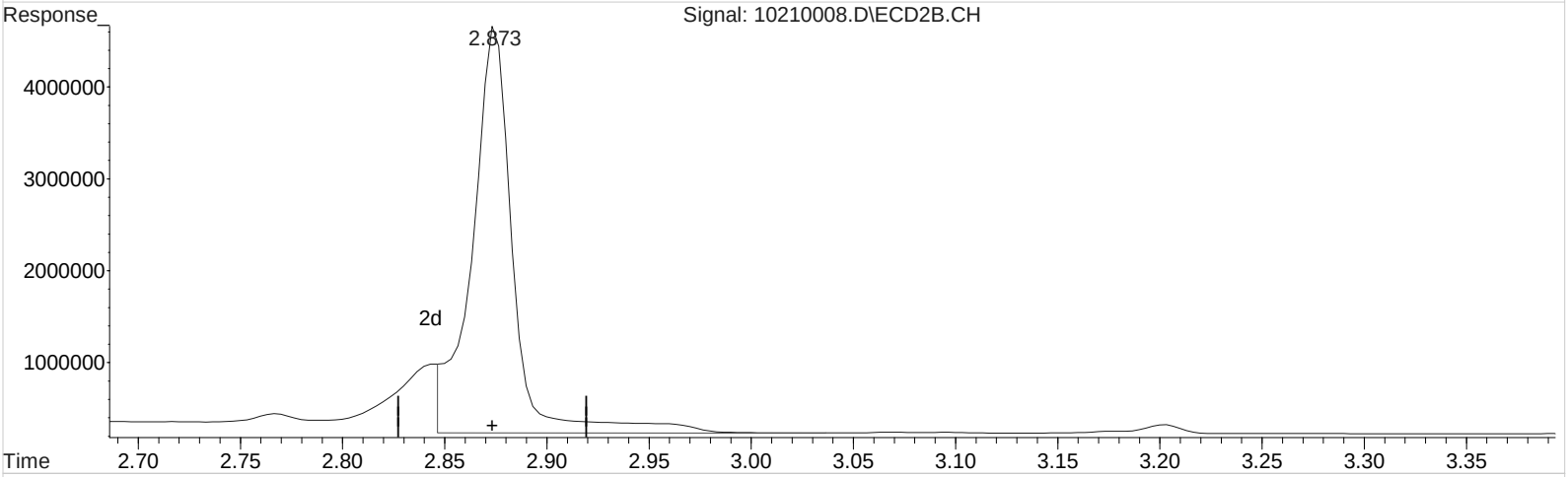
1st UA 10/21/20
2nd 10/22/20

Data File : J:\gc24\data\102120\10210008.D Vial: 7
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Oct 2020 3:21 pm Operator: UA
Sample : PENTA2-15A 125PB Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Oct 21 17:22:59 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:22:48 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(1) Dalapon (m)

3.127min 135.159 ppb

response 3177545

(1) Dalapon #2 (m)

2.873min 131.218 ppb

response 6167907

Manual Integration:

Before

10/21/20

(+) = Expected Retention Time

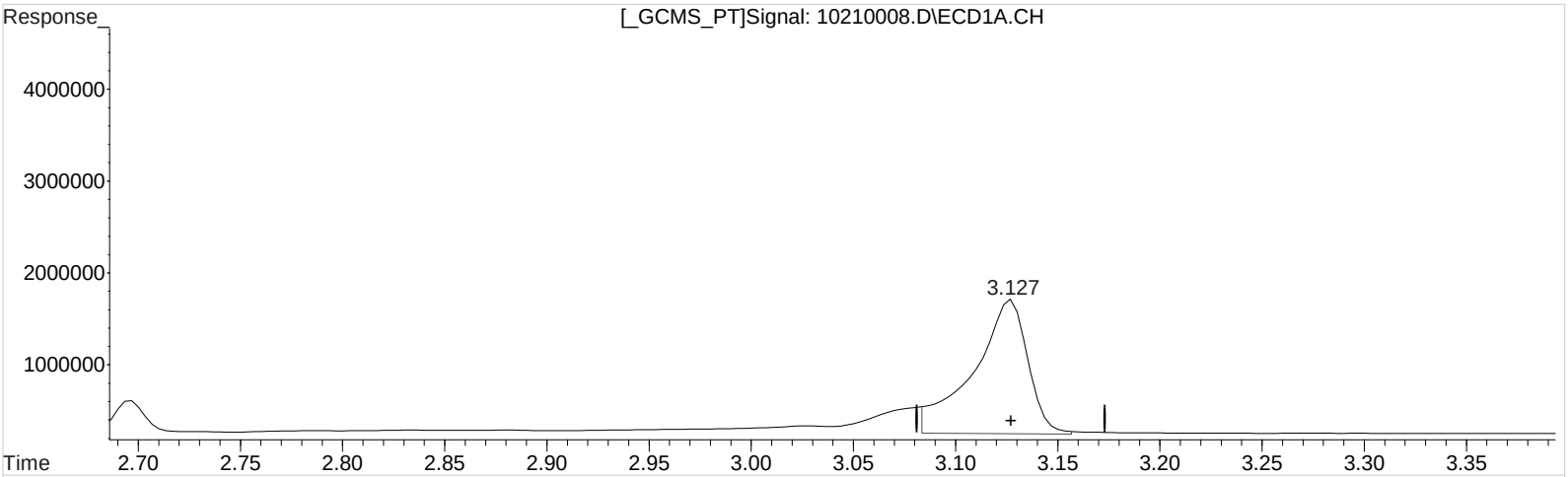
Quantitation Report (Qedit)

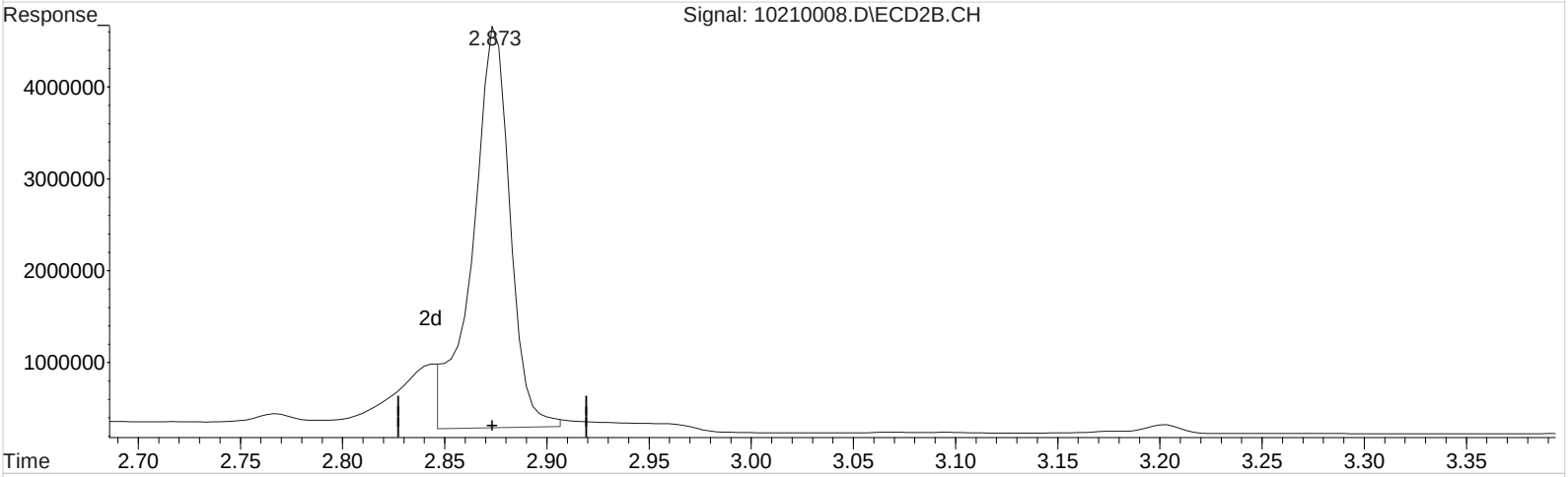
1st UA 10/21/20
2nd 10/22/20

Data File : J:\gc24\data\102120\10210008.D Vial: 7
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Oct 2020 3:21 pm Operator: UA
Sample : PENTA2-15A 125PB Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Oct 21 17:22:59 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:22:48 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(1) Dalapon (m)

3.127min 113.511 ppb m

response 2668589

Manual Integration:

After

Baseline/Shoulder

10/21/20

(1) Dalapon #2 (m)

2.873min 117.152 ppb m

response 5506745

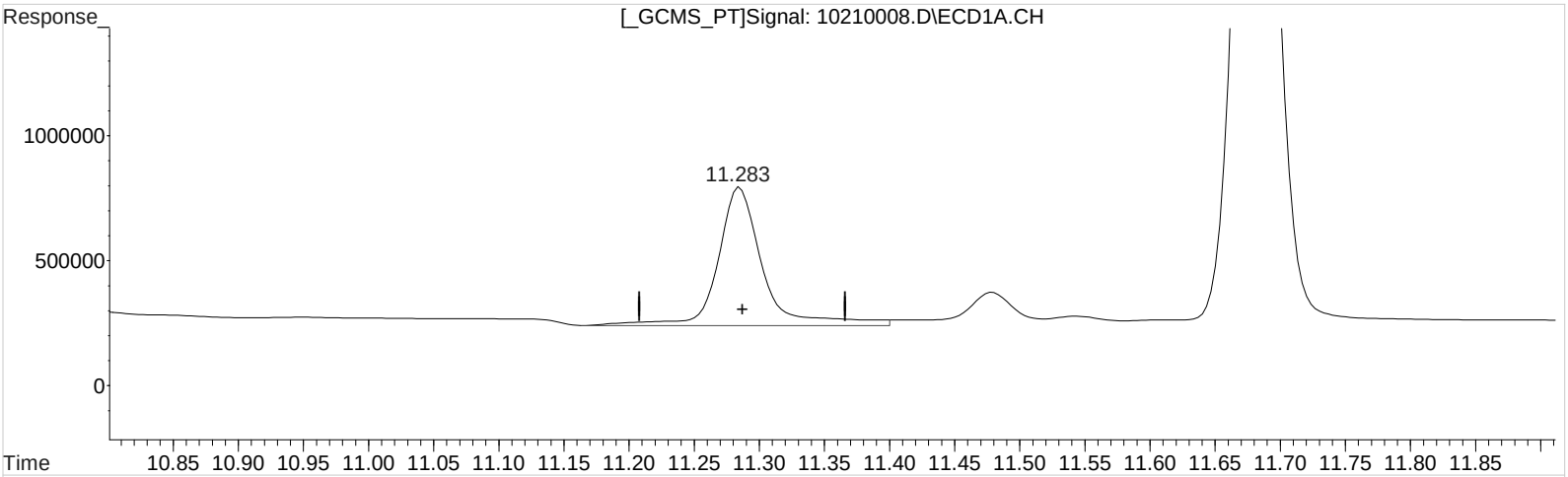
(+) = Expected Retention Time

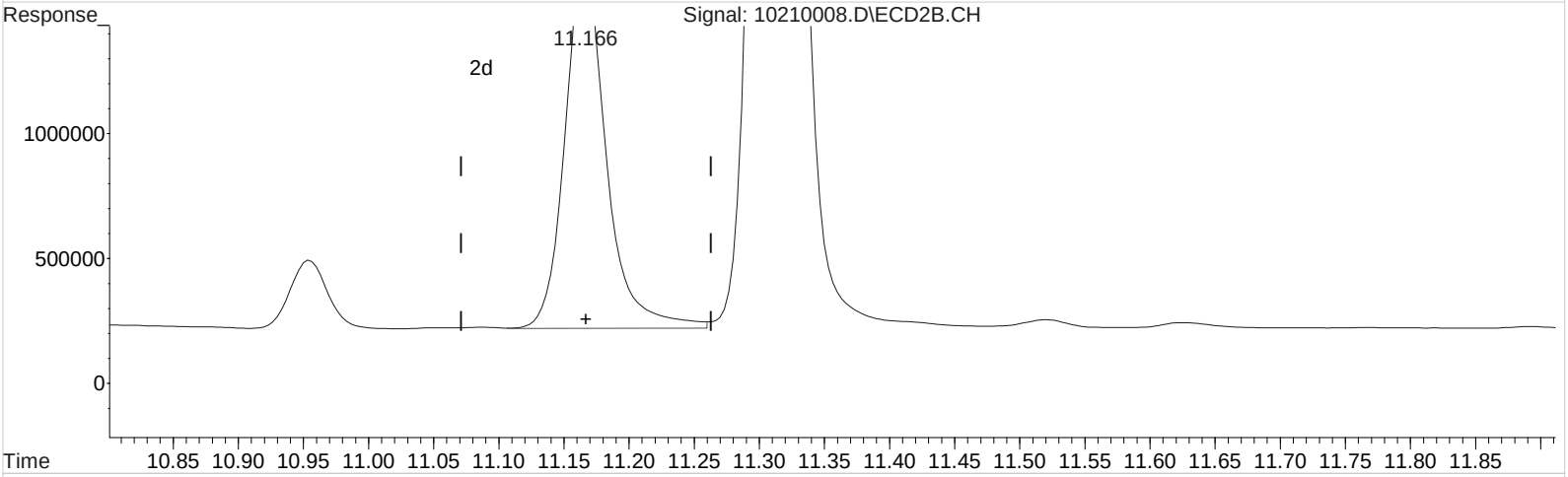
1st UA 10/21/20
2nd 10/22/20

Data File : J:\gc24\data\102120\10210008.D Vial: 7
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Oct 2020 3:21 pm Operator: UA
Sample : PENTA2-15A 125PB Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Oct 21 17:22:59 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:22:48 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(10) 2,4-DB (m)

11.283min 135.786 ppb

response 1331036

(10) 2,4-DB #2 (m)

11.166min 118.254 ppb

response 3225586

Manual Integration:

Before

10/21/20

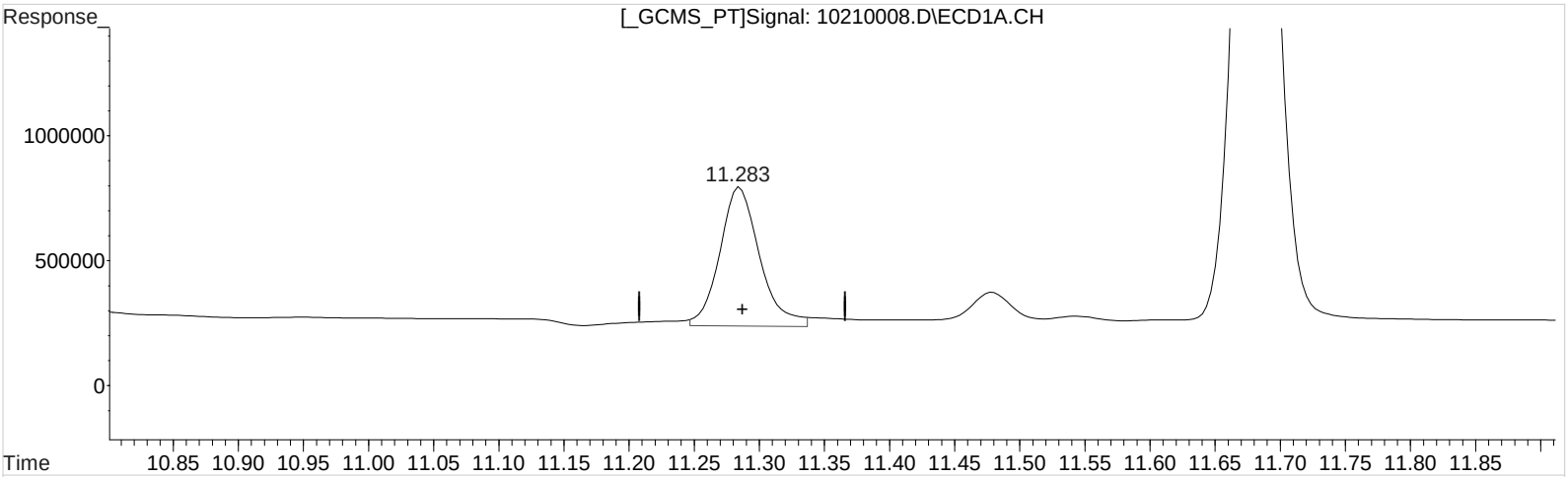
(+) = Expected Retention Time

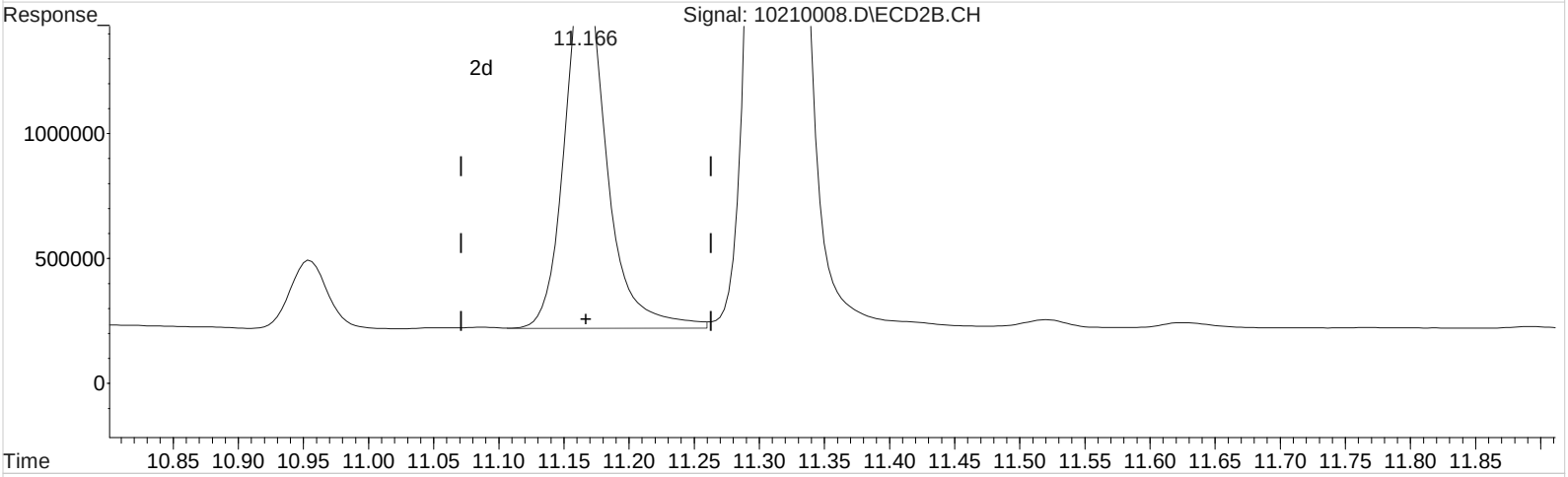
1st UA 10/21/20
2nd 10/22/20

Data File : J:\gc24\data\102120\10210008.D Vial: 7
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Oct 2020 3:21 pm Operator: UA
Sample : PENTA2-15A 125PB Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Oct 21 17:22:59 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:22:48 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(10) 2,4-DB (m)

11.283min 120.887 ppb m

response 1184989

Manual Integration:

After

Baseline/Shoulder

10/21/20

(10) 2,4-DB #2 (m)

11.166min 118.254 ppb

response 3225586

(+) = Expected Retention Time

Quantitation Report (QT Reviewed)

1st UA 10/21/20
2nd 10/22/20

Data File : J:\gc24\data\102120\10210009.D Vial: 8
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Oct 2020 3:44 pm Operator: UA
Sample : PENTA2-15B 150PB Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Oct 21 17:22:31 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:20:52 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
2) s	2,4-Dichl...	7.993	7.813	2343632	5169864	136.302	134.240
	Target Compounds						
1) m	Dalapon	3.127	2.873	3258567	6370947	139.287m	135.187m
3) m	Dicamba	8.213	7.916	9633232	19969572	142.235	140.119
4) m	MCPP	8.297	8.103	633683	2215911	14149.230	13967.949
5) m	MCPA	8.563	8.350	847585	2986150	14073.890	13936.089
6) m	Dichloroprop	8.963	8.750	2480194	5391085	142.454	141.013
7) m	2,4-D	9.320	9.056	2855823	6510874	142.843	140.598
8) m	2,4,5-TP ...	10.260	10.126	13345050	27761527	144.324	142.275
9) m	2,4,5-T	10.703	10.530	11750806	26085006	146.702	142.112
10) m	2,4-DB	11.283	11.163	1423732	3879490	146.356m	142.303
11) m	Dinoseb	11.680	11.310	8545635	18219499	144.368	141.640

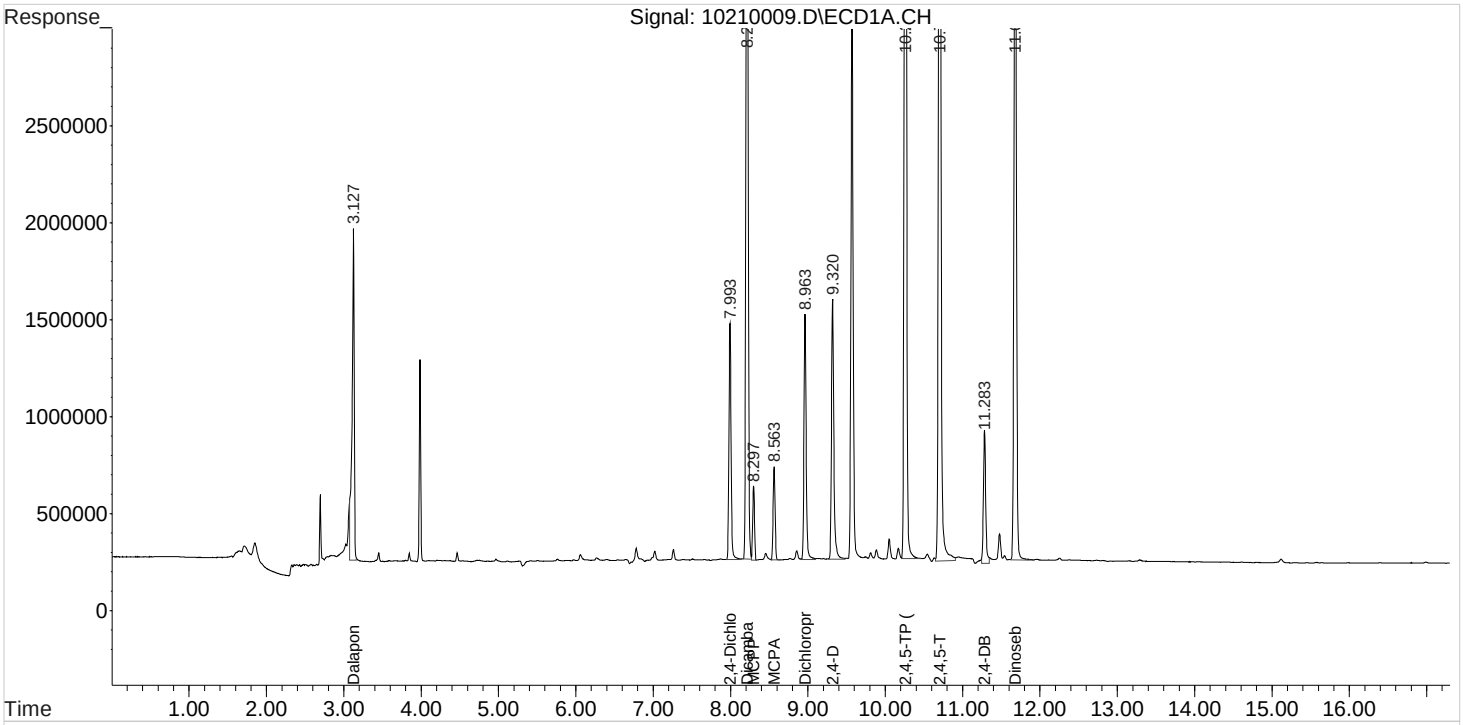
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

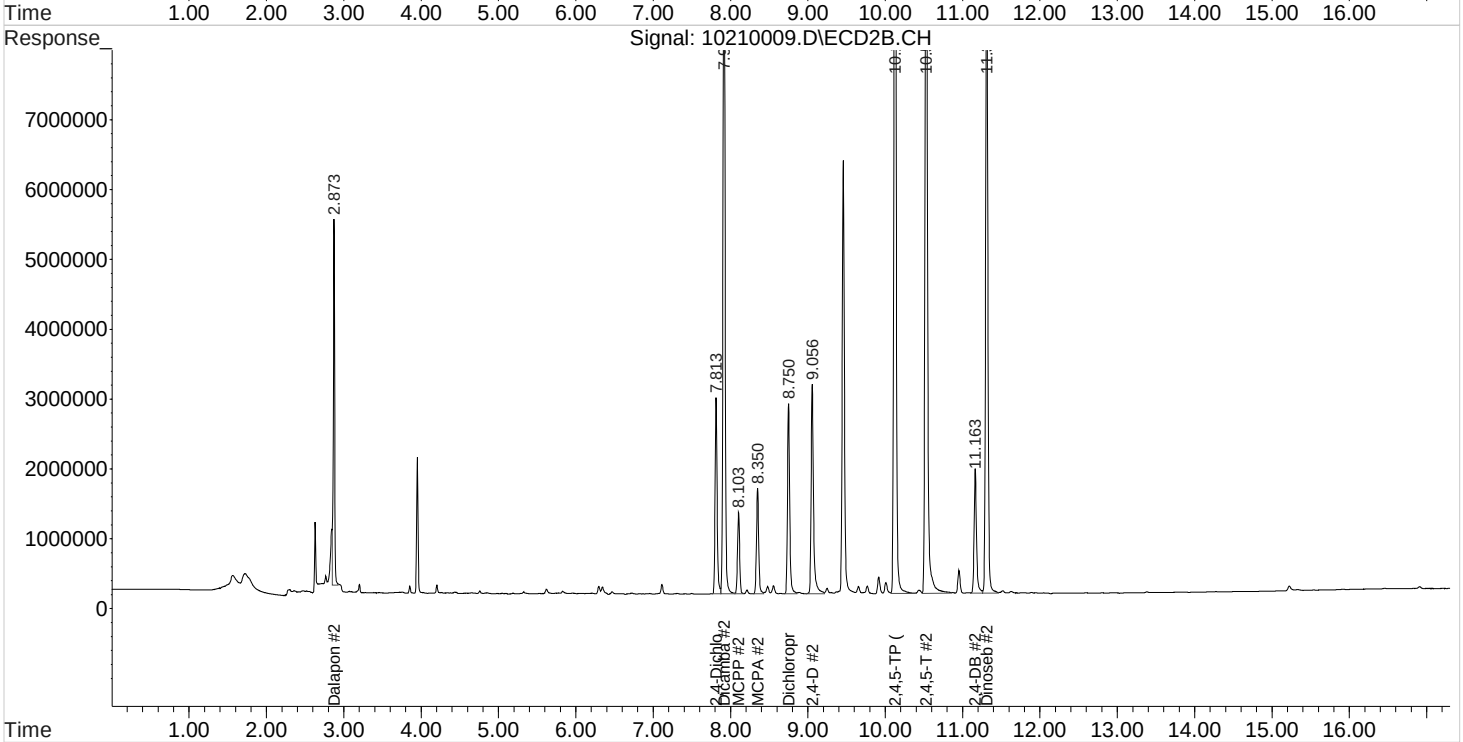
1st UA 10/21/20
2nd 10/22/20

Data File : J:\gc24\data\102120\10210009.D Vial: 8
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Oct 2020 3:44 pm Operator: UA
Sample : PENTA2-15B 150PB Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Oct 21 17:22:31 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:20:52 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





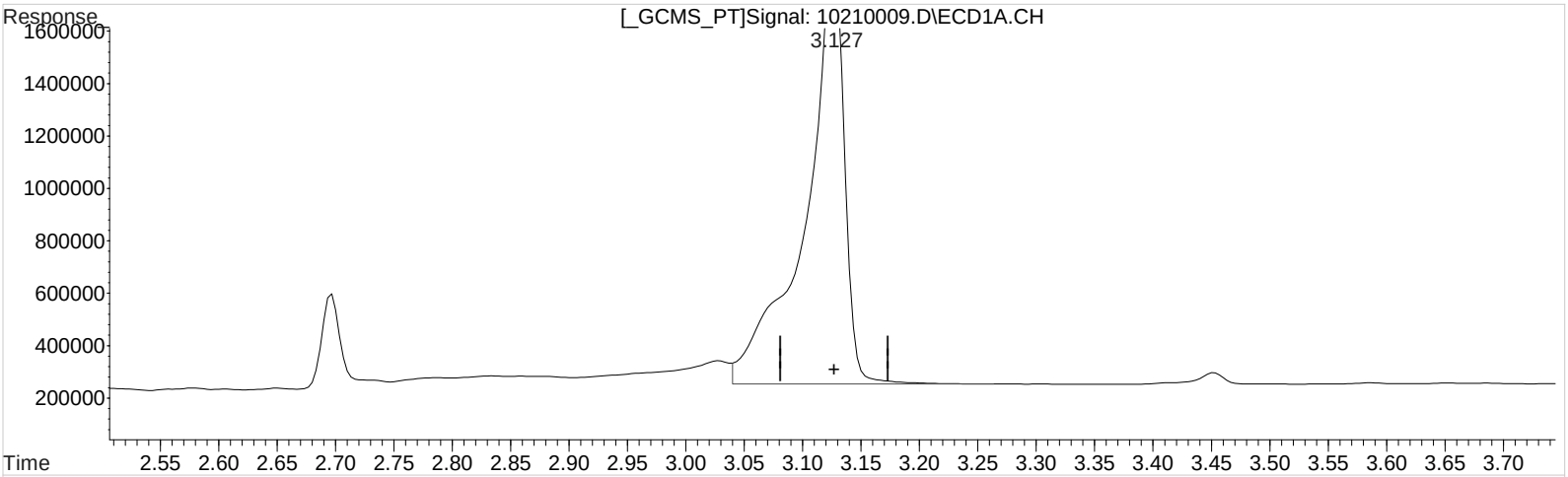
Quantitation Report (Qedit)

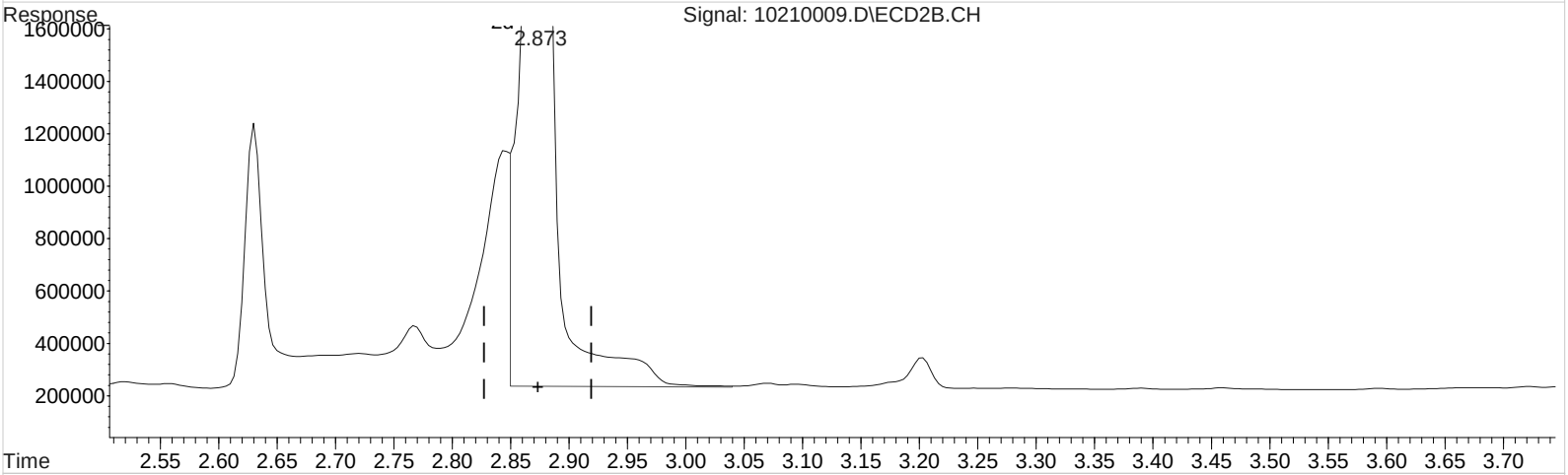
1st UA 10/21/20
2nd 10/22/20

Data File : J:\gc24\data\102120\10210009.D Vial: 8
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Oct 2020 3:44 pm Operator: UA
Sample : PENTA2-15B 150PB Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Oct 21 17:21:21 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:20:52 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(1) Dalapon (m)

3.127min 160.523 ppb

response 3755373

(1) Dalapon #2 (m)

2.873min 151.774 ppb

response 7152678

Manual Integration:

Before

10/21/20

(+) = Expected Retention Time

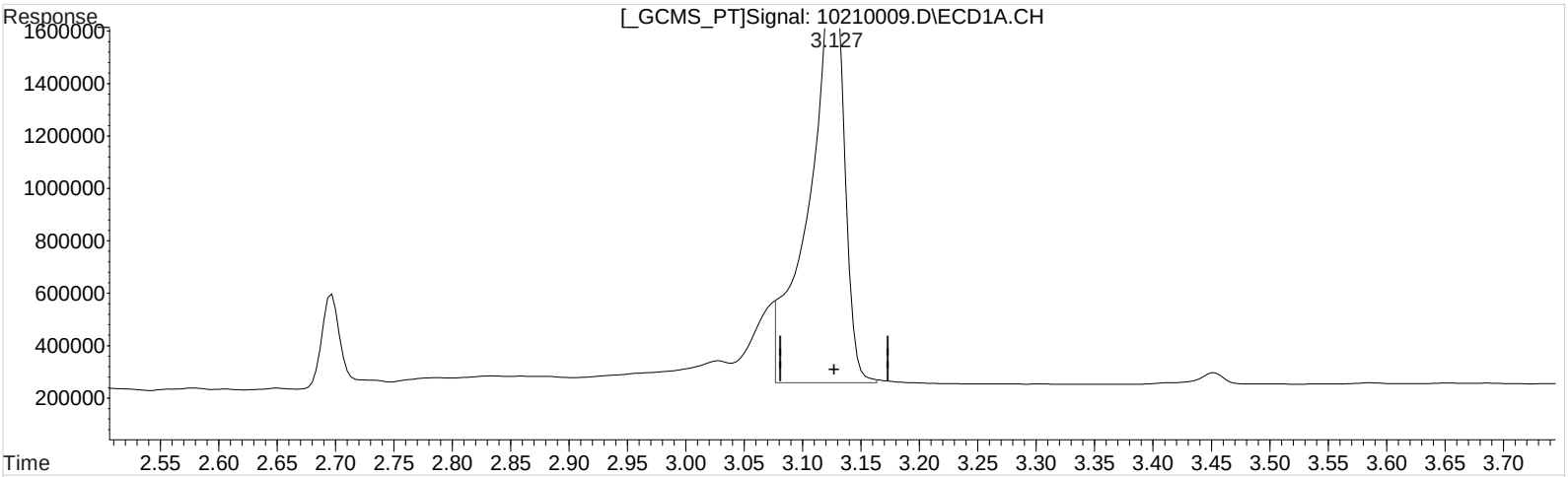
Quantitation Report (Qedit)

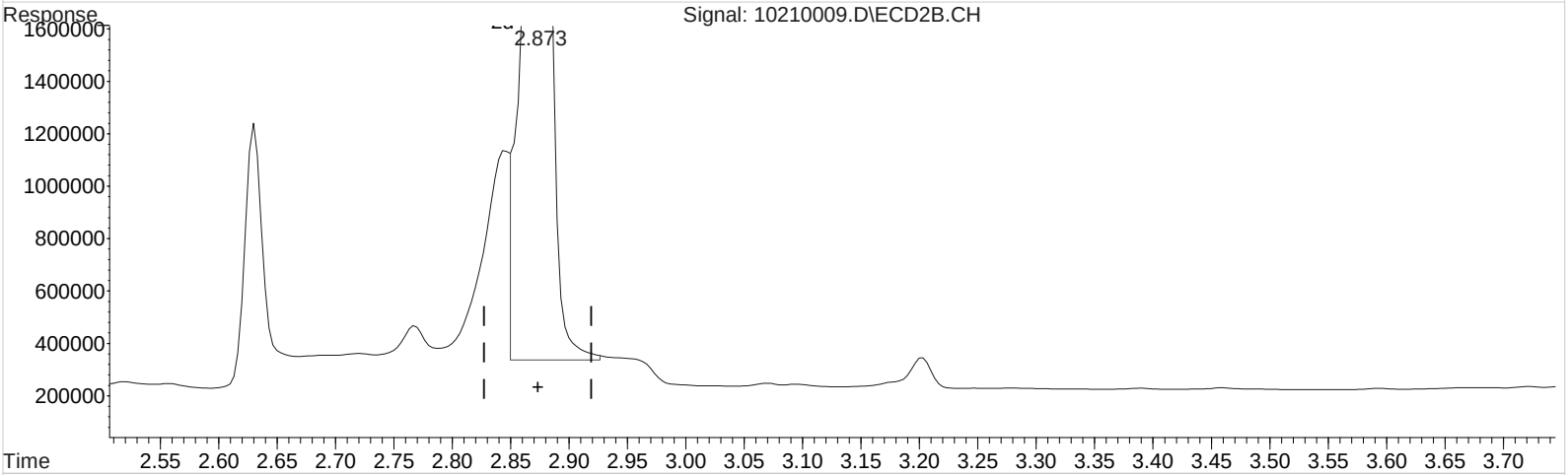
1st UA 10/21/20
2nd 10/22/20

Data File : J:\gc24\data\102120\10210009.D Vial: 8
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Oct 2020 3:44 pm Operator: UA
Sample : PENTA2-15B 150PB Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Oct 21 17:21:21 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:20:52 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(1) Dalapon (m)

3.127min 139.287 ppb m

response 3258567

(1) Dalapon #2 (m)

2.873min 135.187 ppb m

response 6370947

Manual Integration:

After

Baseline/Shoulder

10/21/20

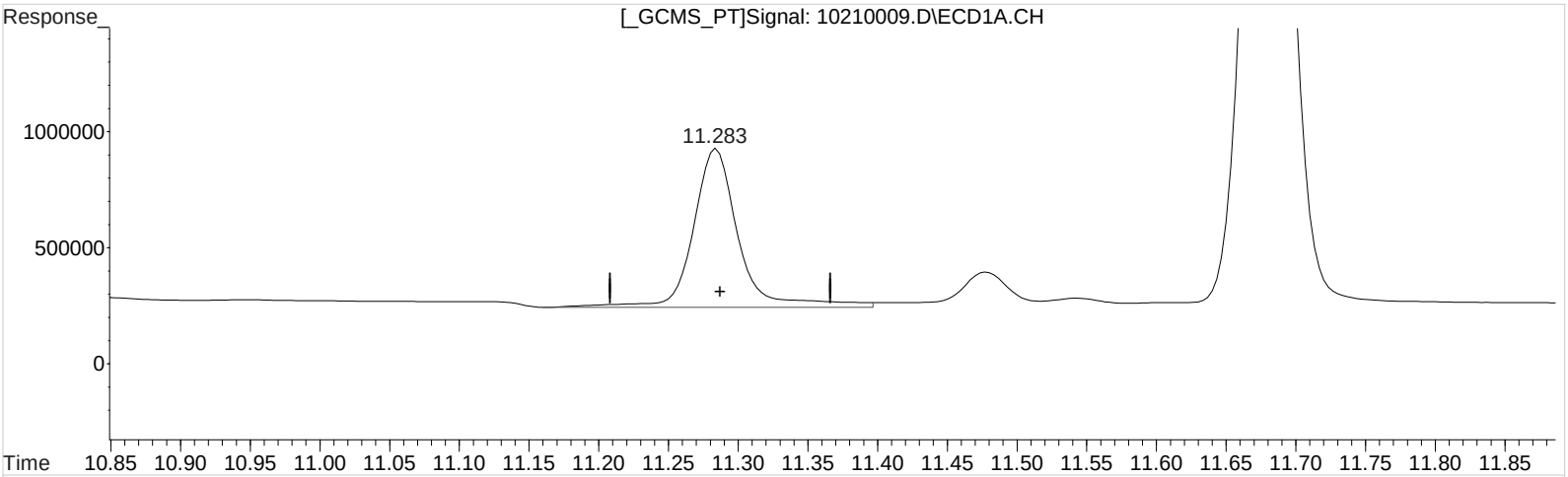
(+) = Expected Retention Time

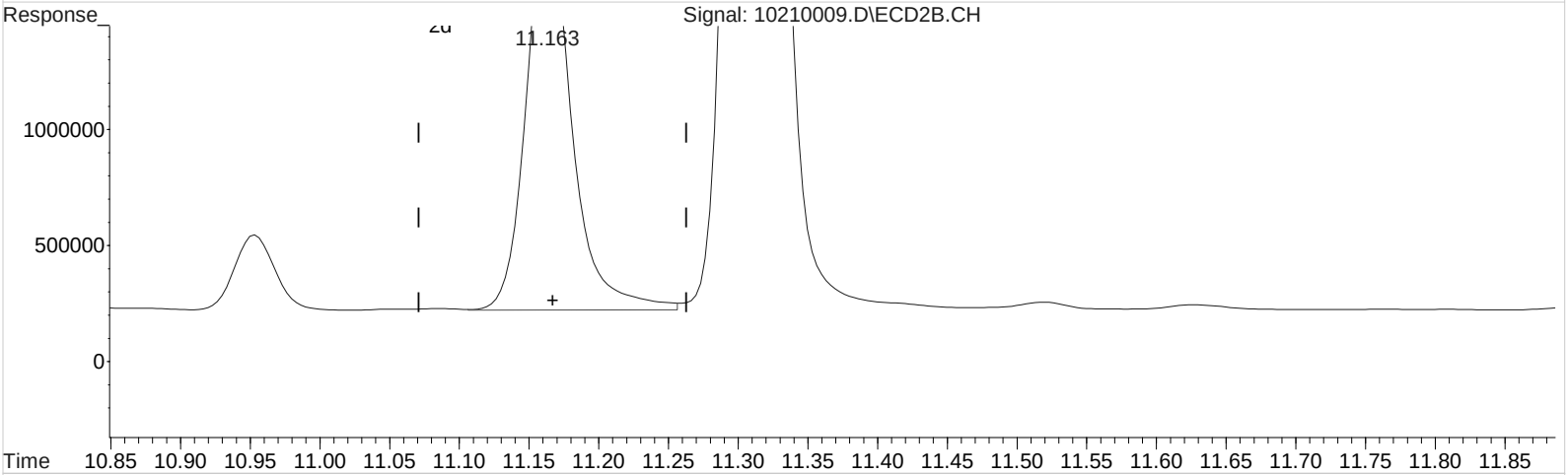
1st UA 10/21/20
2nd 10/22/20

Data File : J:\gc24\data\102120\10210009.D Vial: 8
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Oct 2020 3:44 pm Operator: UA
Sample : PENTA2-15B 150PB Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Oct 21 17:21:21 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:20:52 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(10) 2,4-DB (m)

11.283min 160.143 ppb

response 1557848

(10) 2,4-DB #2 (m)

11.163min 142.303 ppb

response 3879490

Manual Integration:

Before

10/21/20

(+) = Expected Retention Time

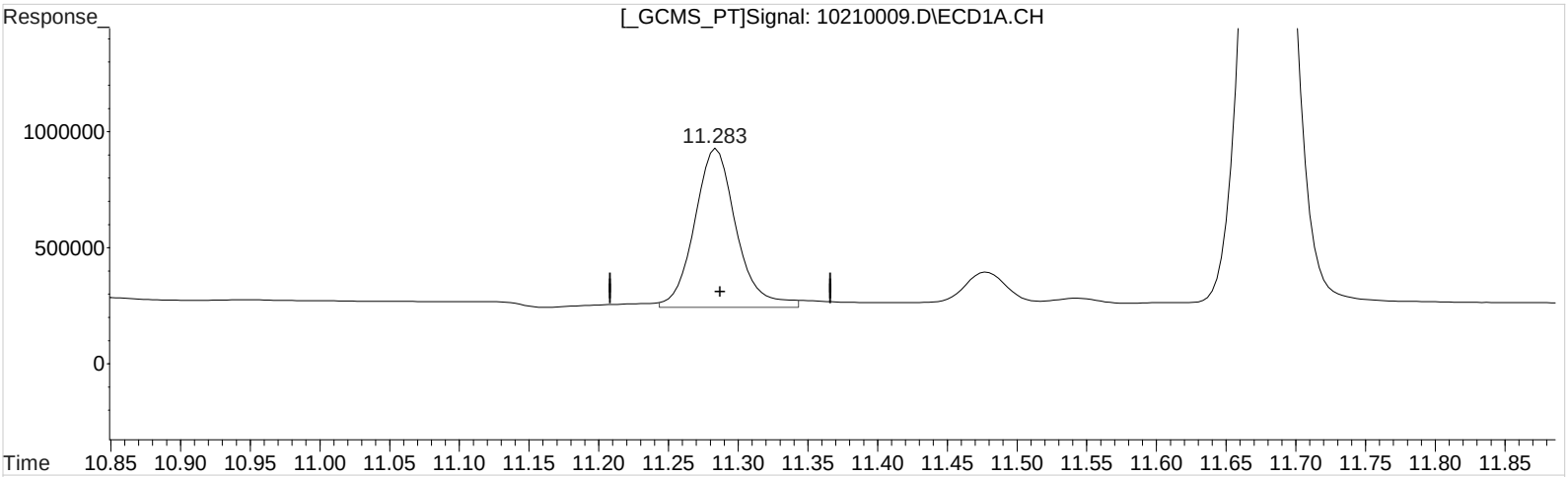
Quantitation Report (Qedit)

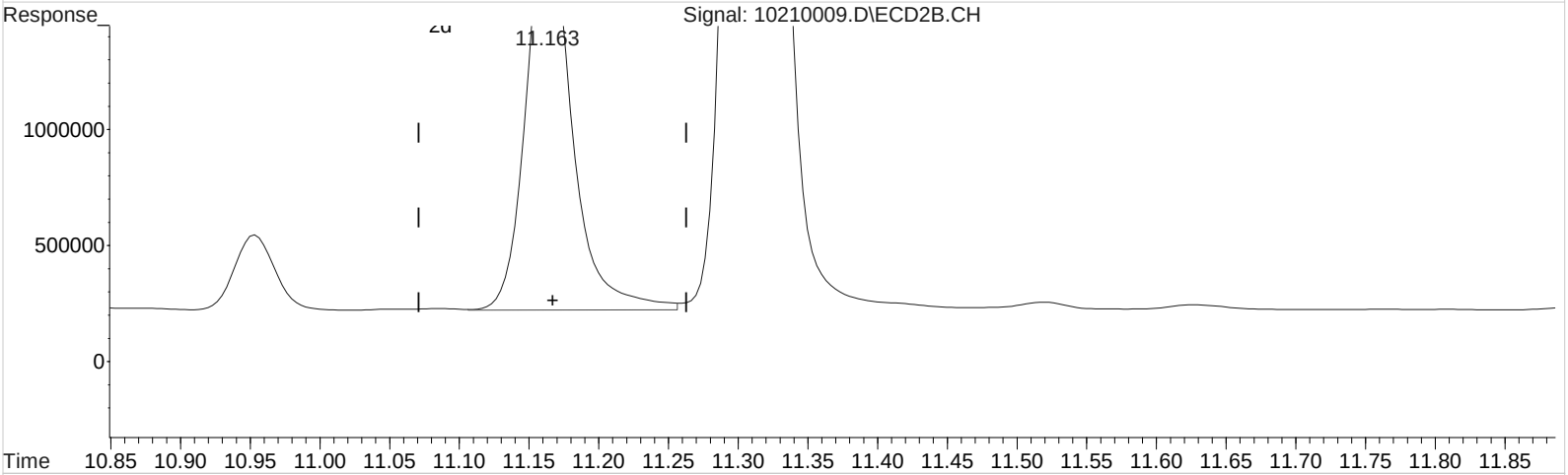
1st UA 10/21/20
2nd 10/22/20

Data File : J:\gc24\data\102120\10210009.D Vial: 8
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Oct 2020 3:44 pm Operator: UA
Sample : PENTA2-15B 150PB Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Oct 21 17:21:21 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:20:52 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(10) 2,4-DB (m)

11.283min 146.356 ppb m

response 1423732

Manual Integration:

After

Baseline/Shoulder

10/21/20

(10) 2,4-DB #2 (m)

11.163min 142.303 ppb

response 3879490

(+) = Expected Retention Time

Quantitation Report (QT Reviewed)

1st UA 10/21/20
2nd 10/22/20

Data File : J:\gc24\data\102120\10210010.D Vial: 9
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Oct 2020 4:08 pm Operator: UA
Sample : PENTA2-15C 175PB Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Oct 21 17:20:38 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:19:22 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm

		Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
		System Monitoring Compounds						
2)	s	2,4-Dichl...	7.993	7.813	2673899	6019072	154.374	155.532
		Target Compounds						
1)	m	Dalapon	3.126	2.873	3756341	7607536	161.174m	162.479m
3)	m	Dicamba	8.213	7.916	11056277	23365839	162.598	163.645
4)	m	MCPP	8.300	8.106	732283	2515897	16313.328	15589.638
5)	m	MCPA	8.563	8.353	977526	3389231	16169.886	15560.846
6)	m	Dichloroprop	8.963	8.749	2846415	6241057	162.675	162.314
7)	m	2,4-D	9.320	9.056	3276369	7528670	163.538	161.603
8)	m	2,4,5-TP ...	10.260	10.129	15378740	32362961	166.306	165.616
9)	m	2,4,5-T	10.703	10.529	13208642	30332986	164.413	164.939
10)	m	2,4-DB	11.283	11.163	1631284	4482448	168.722m	163.801
11)	m	Dinoseb	11.683	11.313	9738174	21149943	164.104	163.966

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

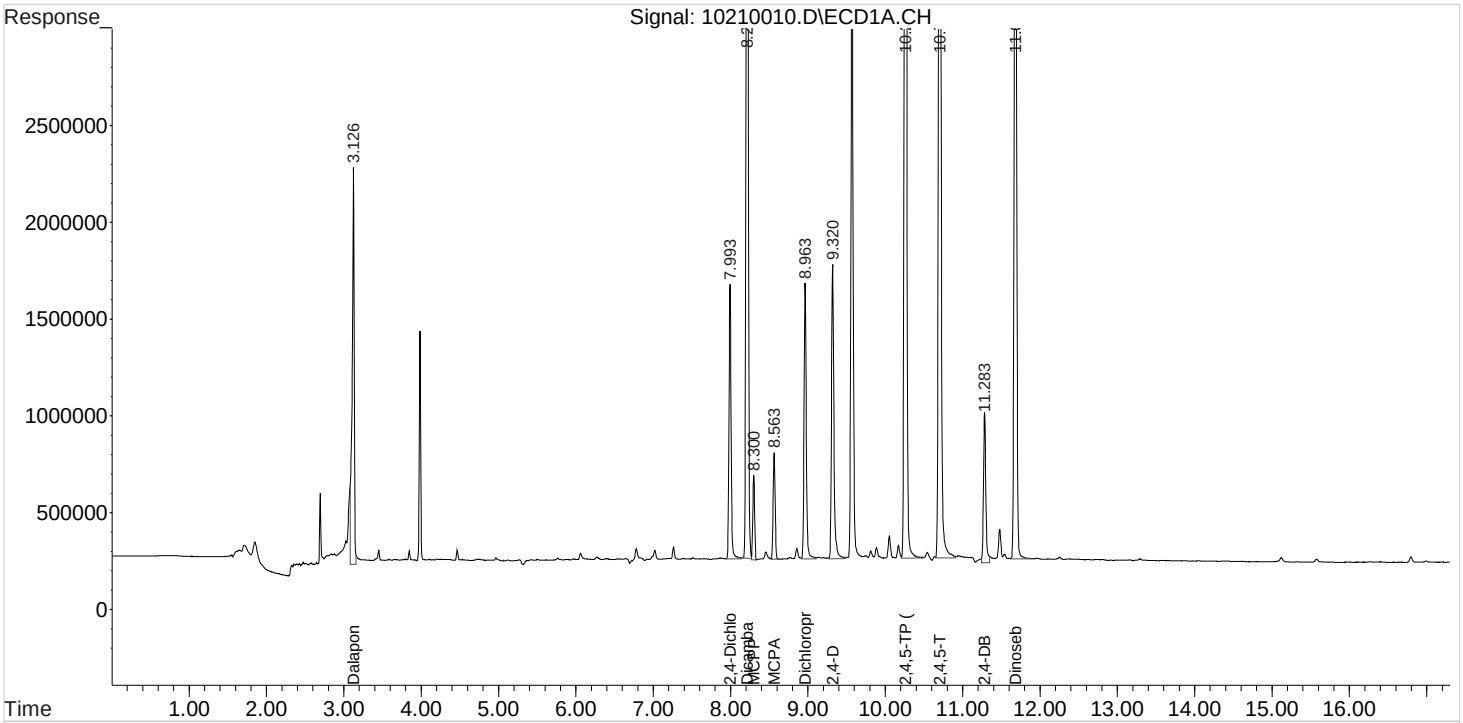
Quantitation Report (QT Reviewed)

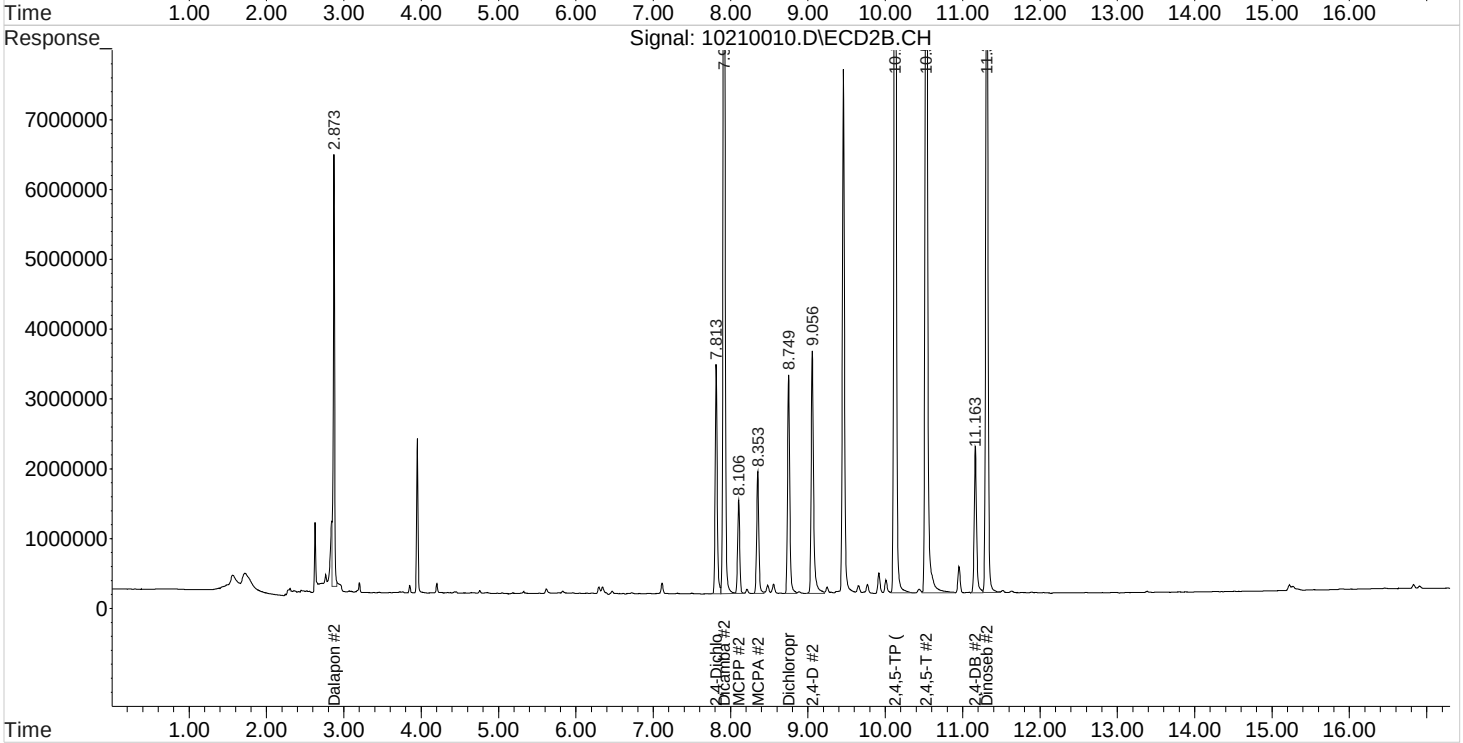
1st UA 10/21/20
2nd 10/22/20

Data File : J:\gc24\data\102120\10210010.D Vial: 9
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Oct 2020 4:08 pm Operator: UA
Sample : PENTA2-15C 175PB Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Oct 21 17:20:38 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:19:22 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





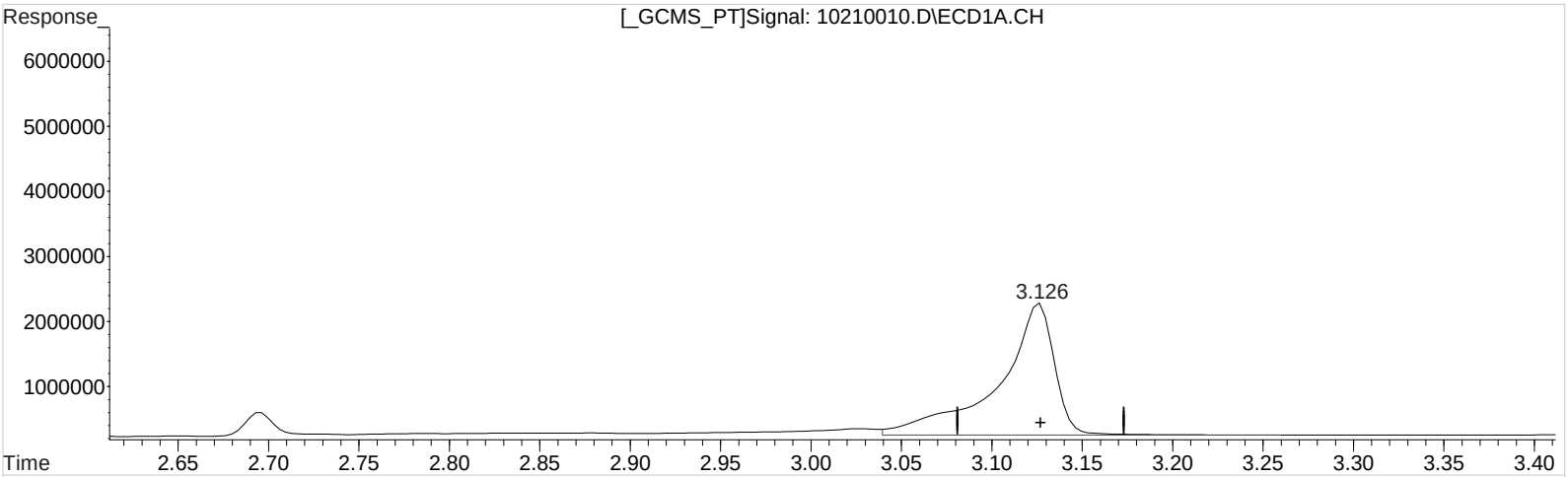
Quantitation Report (Qedit)

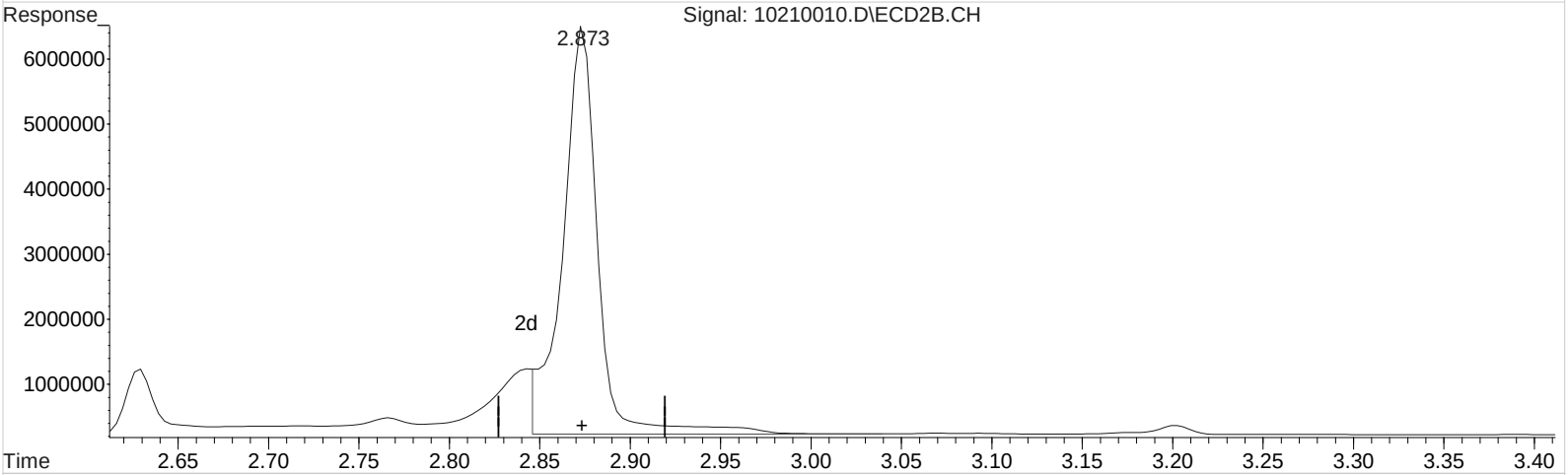
1st UA 10/21/20
2nd 10/22/20

Data File : J:\gc24\data\102120\10210010.D Vial: 9
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Oct 2020 4:08 pm Operator: UA
Sample : PENTA2-15C 175PB Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Oct 21 17:19:31 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:19:22 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(1) Dalapon (m)

3.126min 186.524 ppb

response 4347148

(1) Dalapon #2 (m)

2.873min 178.616 ppb

response 8363091

Manual Integration:

Before

10/21/20

(+) = Expected Retention Time

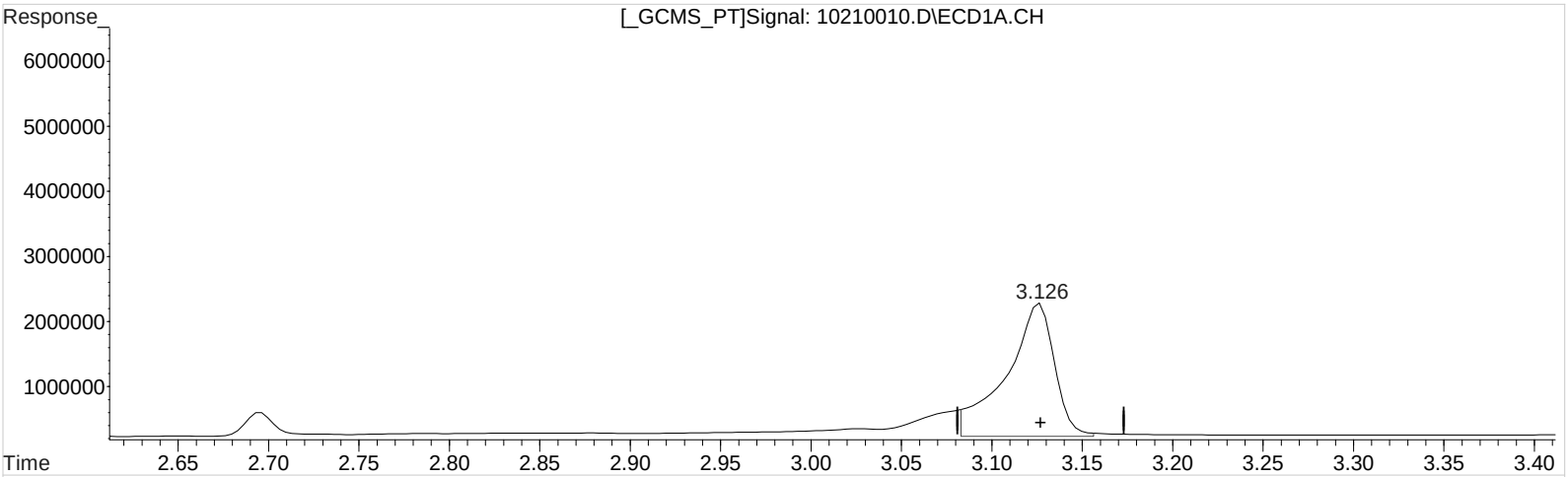
Quantitation Report (Qedit)

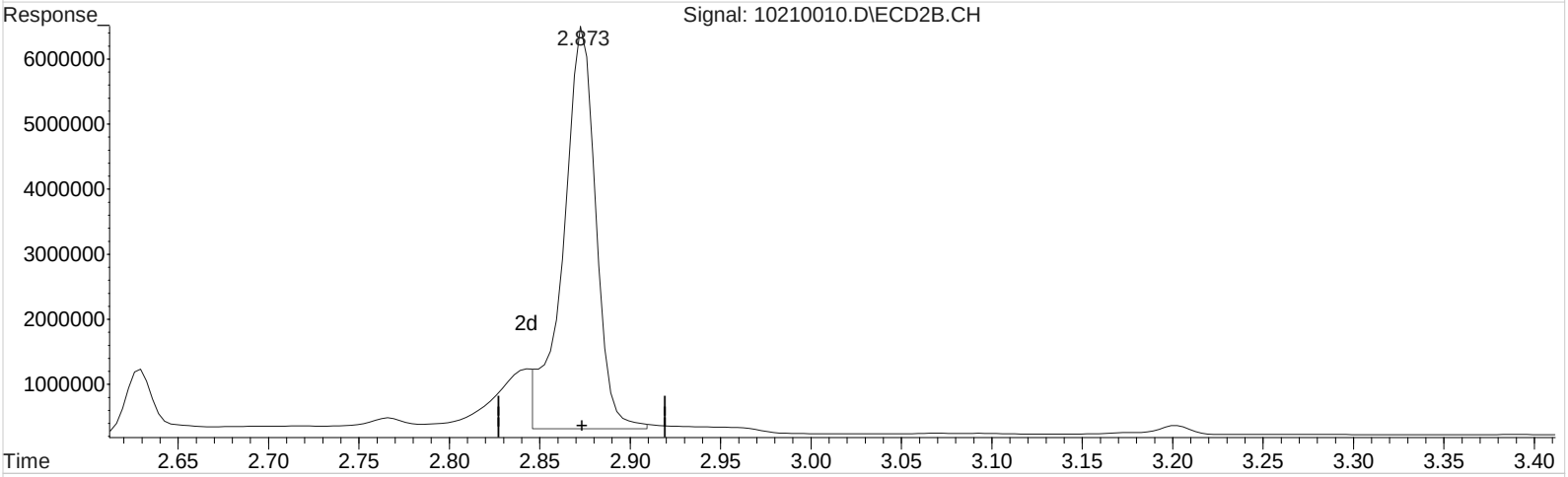
1st UA 10/21/20
2nd 10/22/20

Data File : J:\gc24\data\102120\10210010.D Vial: 9
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Oct 2020 4:08 pm Operator: UA
Sample : PENTA2-15C 175PB Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Oct 21 17:19:31 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:19:22 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(1) Dalapon (m)

3.126min 161.174 ppb m

response 3756341

Manual Integration:

After

Baseline/Shoulder

10/21/20

(1) Dalapon #2 (m)

2.873min 162.479 ppb m

response 7607536

(+) = Expected Retention Time

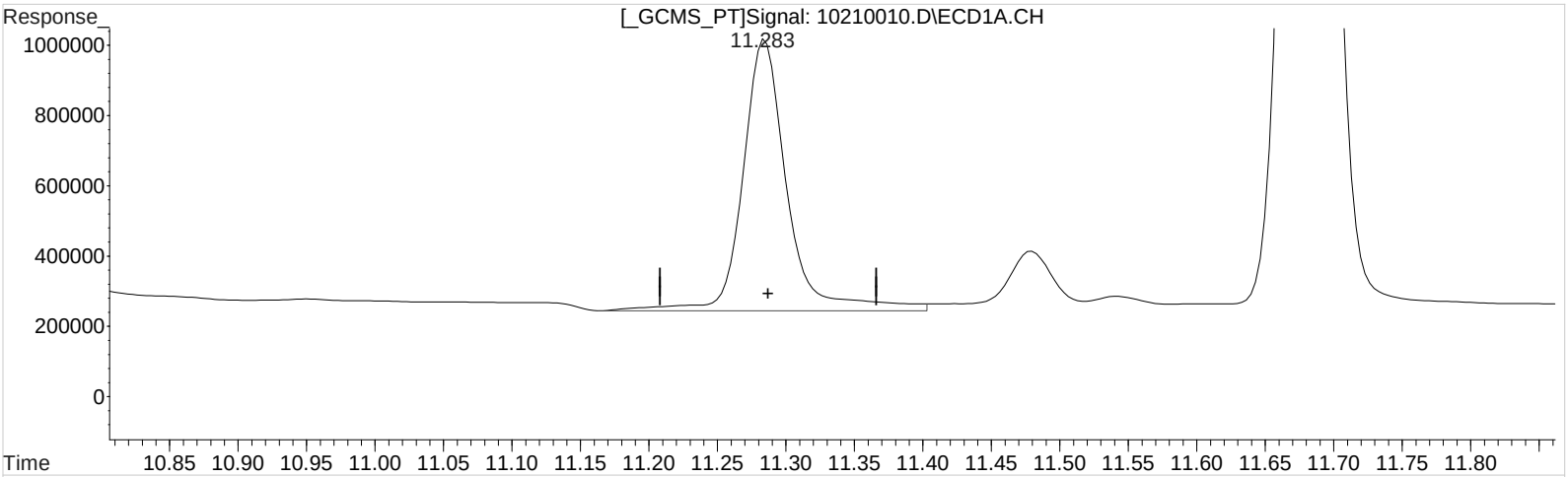
Quantitation Report (Qedit)

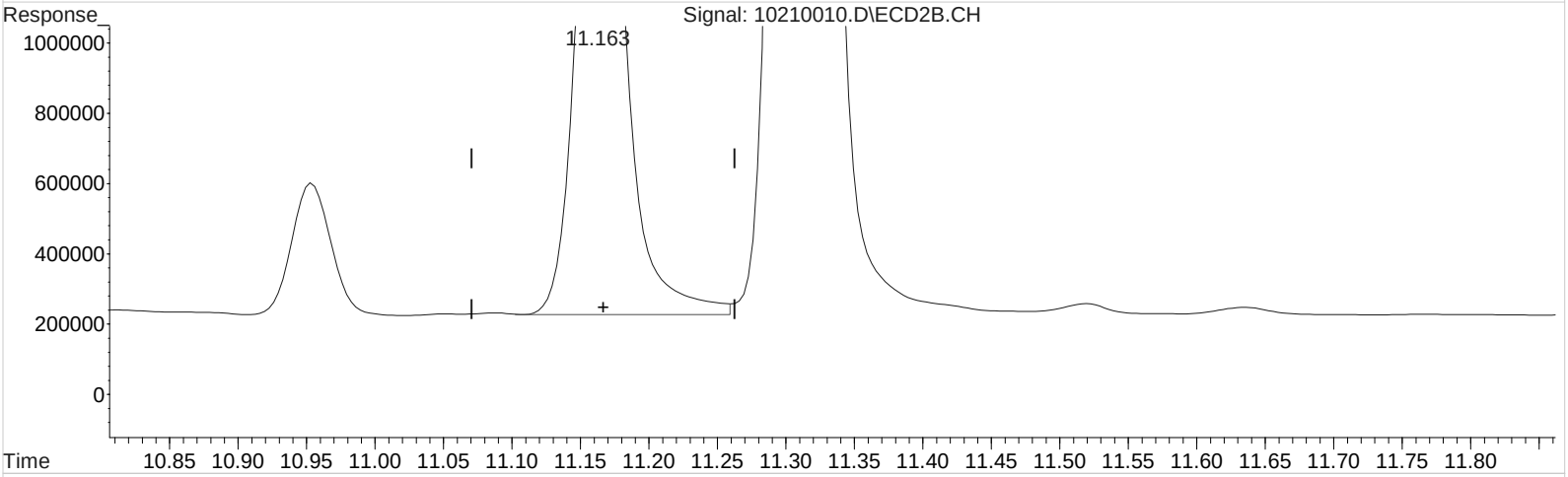
1st UA 10/21/20
2nd 10/22/20

Data File : J:\gc24\data\102120\10210010.D Vial: 9
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Oct 2020 4:08 pm Operator: UA
Sample : PENTA2-15C 175PB Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Oct 21 17:19:31 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:19:22 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(10) 2,4-DB (m)

11.283min 180.728 ppb

response 1747369

(10) 2,4-DB #2 (m)

11.163min 163.801 ppb

response 4482448

Manual Integration:

Before

10/21/20

(+) = Expected Retention Time

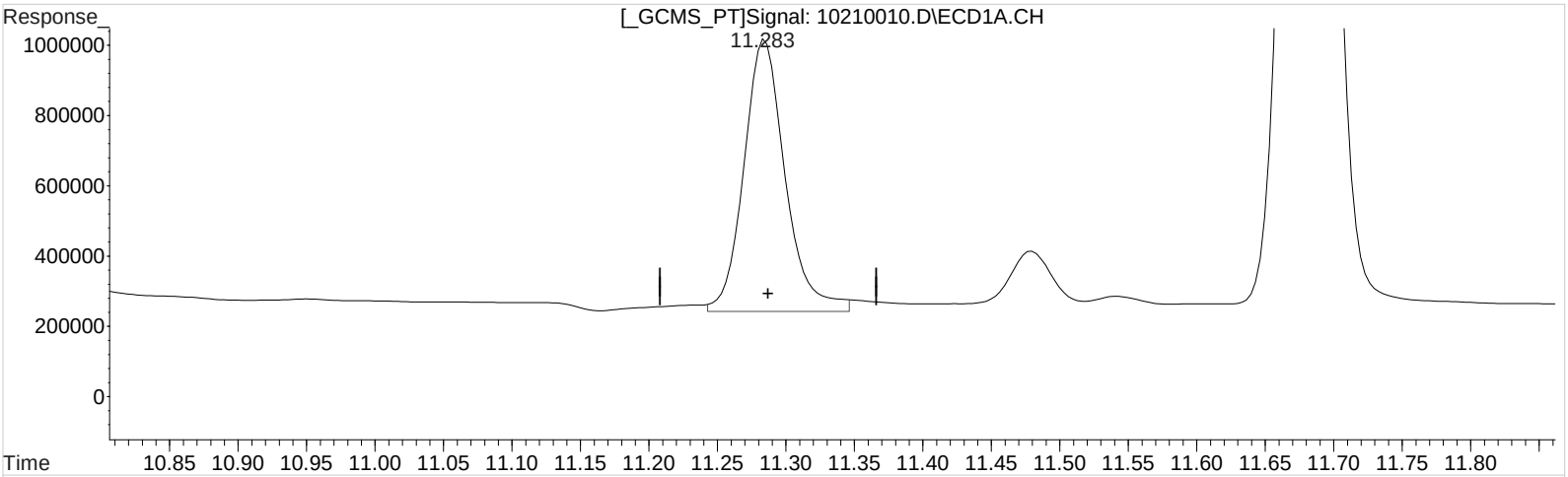
Quantitation Report (Qedit)

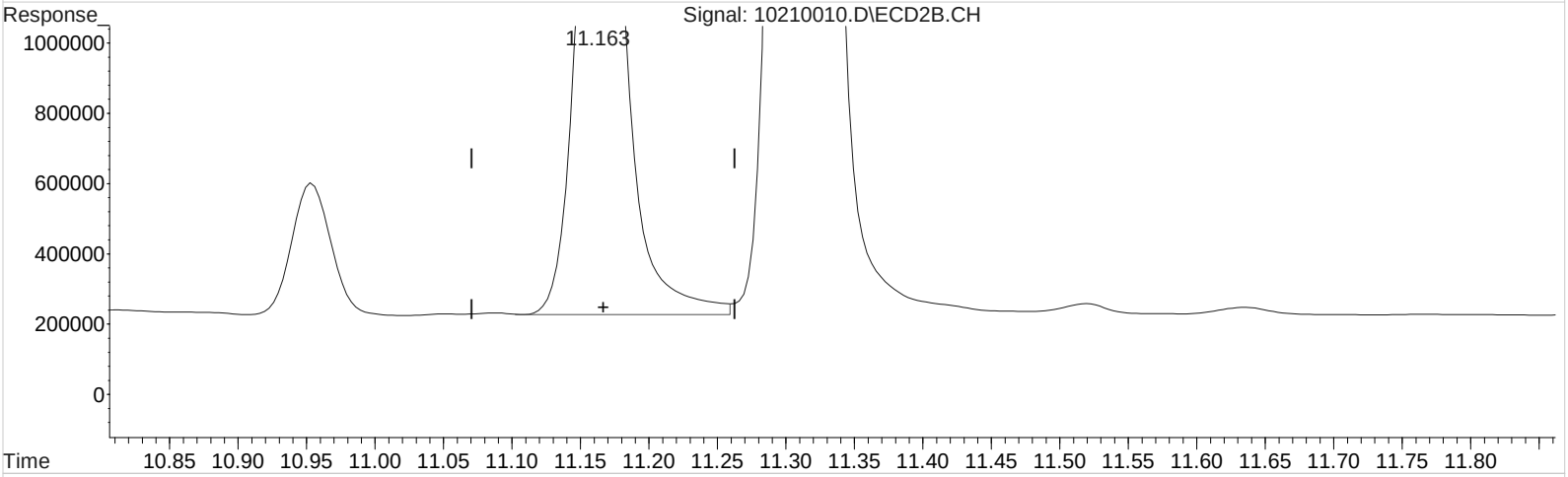
1st UA 10/21/20
2nd 10/22/20

Data File : J:\gc24\data\102120\10210010.D Vial: 9
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Oct 2020 4:08 pm Operator: UA
Sample : PENTA2-15C 175PB Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Oct 21 17:19:31 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:19:22 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(10) 2,4-DB (m)

11.283min 168.722 ppb m

response 1631284

Manual Integration:

After

Baseline/Shoulder

10/21/20

(10) 2,4-DB #2 (m)

11.163min 163.801 ppb

response 4482448

(+) = Expected Retention Time

Quantitation Report (QT Reviewed)

1st UA 10/21/20
2nd 10/22/20

Data File : J:\gc24\data\102120\10210011.D Vial: 10
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Oct 2020 4:32 pm Operator: UA
Sample : PENTA2-15D 200PB Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Oct 21 17:19:09 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:16:23 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
2) s	2,4-Dichl...	7.991	7.814	3011902	6830371	167.857	172.784
	Target Compounds						
1) m	Dalapon	3.124	2.874	4166081	8620213	175.503m	186.129m
3) m	Dicamba	8.214	7.914	12614321	26816087	183.029	187.560
4) m	MCPP	8.298	8.104	844322	2817400	18845.702	16314.999
5) m	MCPA	8.564	8.351	1113618	3800297	18157.111	16358.900
6) m	Dichloroprop	8.964	8.751	3178809	7078599	175.122	179.686
7) m	2,4-D	9.321	9.057	3668350	8558209	178.402	179.541
8) m	2,4,5-TP ...	10.261	10.127	17460527	37116608	187.555	189.785
9) m	2,4,5-T	10.704	10.531	15065337	34693502	185.502	187.719
10) m	2,4-DB	11.288	11.167	1779525	5143484	179.055m	186.595
11) m	Dinoseb	11.684	11.317	11030037	24155457	182.888	185.603

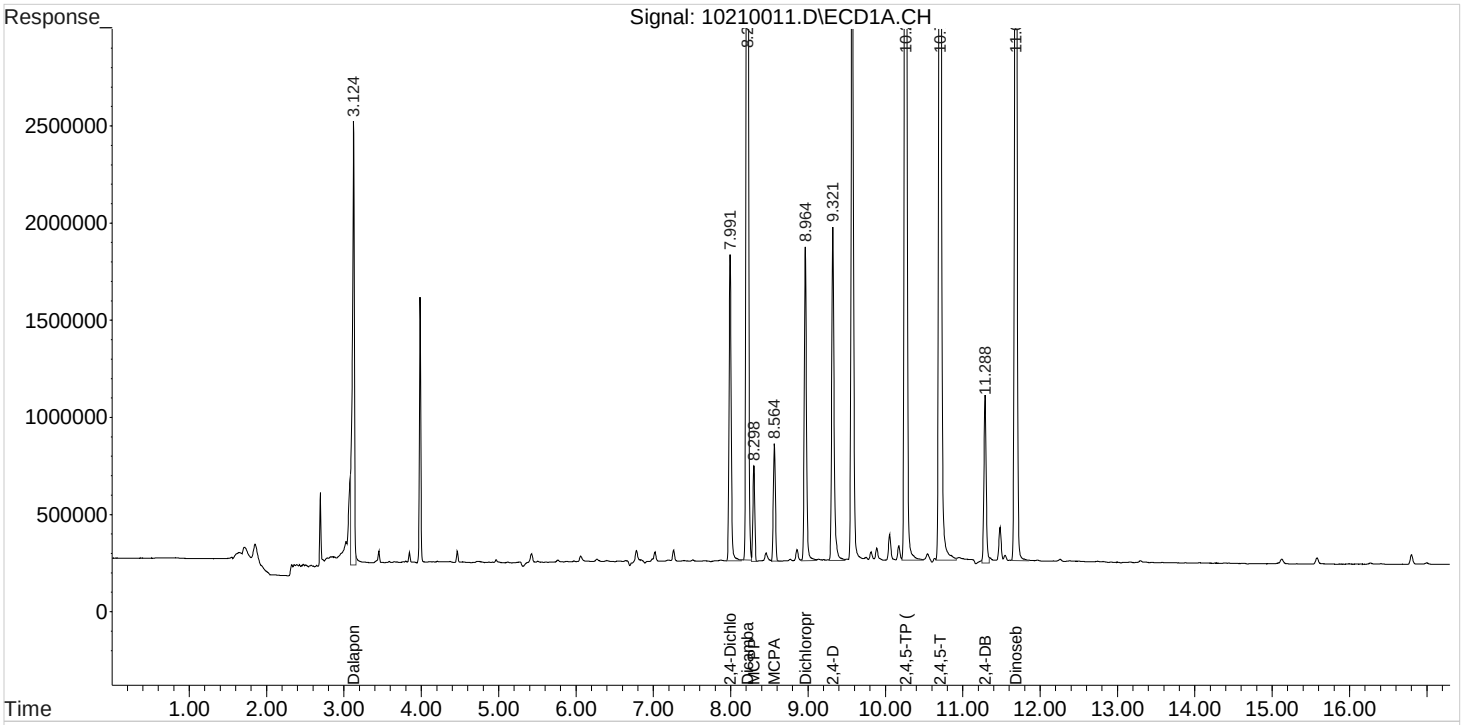
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

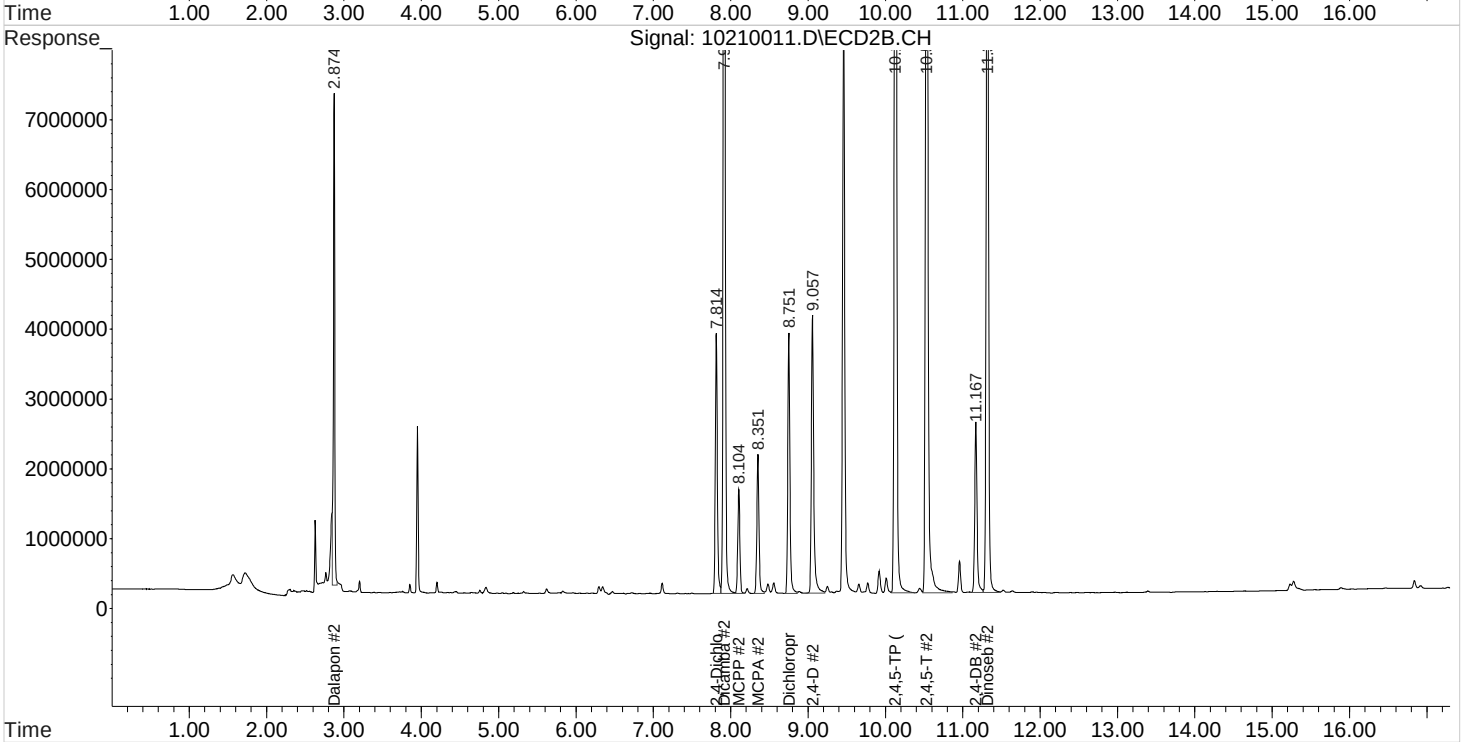
1st UA 10/21/20
2nd 10/22/20

Data File : J:\gc24\data\102120\10210011.D Vial: 10
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Oct 2020 4:32 pm Operator: UA
Sample : PENTA2-15D 200PB Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Oct 21 17:19:09 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:16:23 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





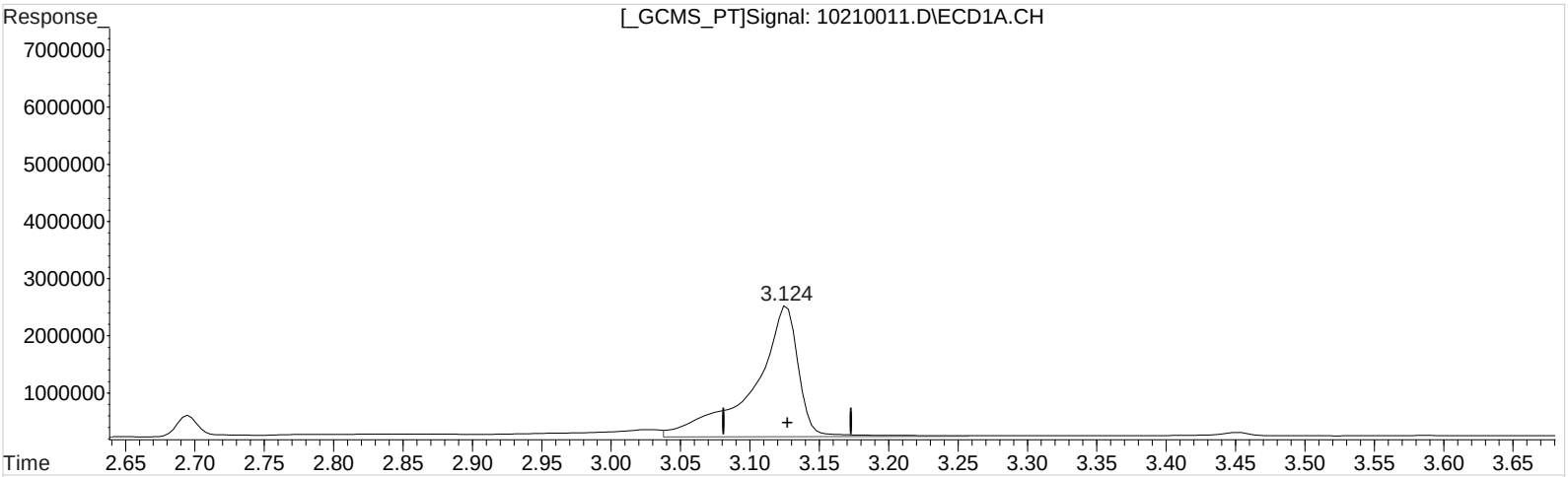
Quantitation Report (Qedit)

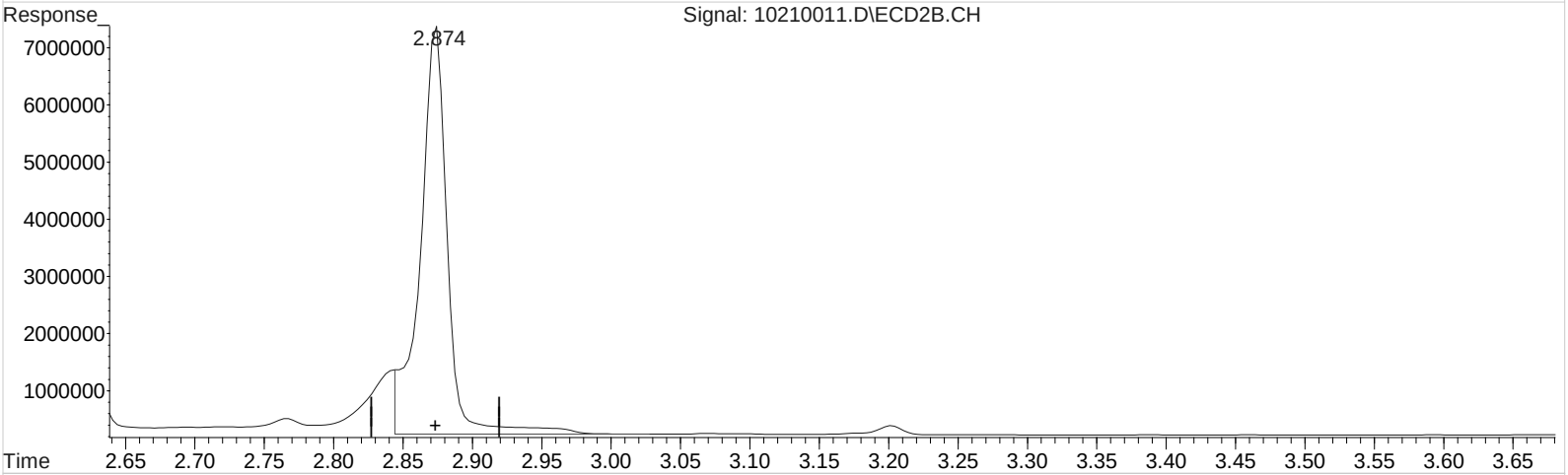
1st UA 10/21/20
2nd 10/22/20

Data File : J:\gc24\data\102120\10210011.D Vial: 10
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Oct 2020 4:32 pm Operator: UA
Sample : PENTA2-15D 200PB Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Oct 21 17:17:43 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:16:23 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(1) Dalapon (m)

3.124min 217.220 ppb

response 5156366

(1) Dalapon #2 (m)

2.874min 208.116 ppb

response 9638480

Manual Integration:

Before

10/21/20

(+) = Expected Retention Time

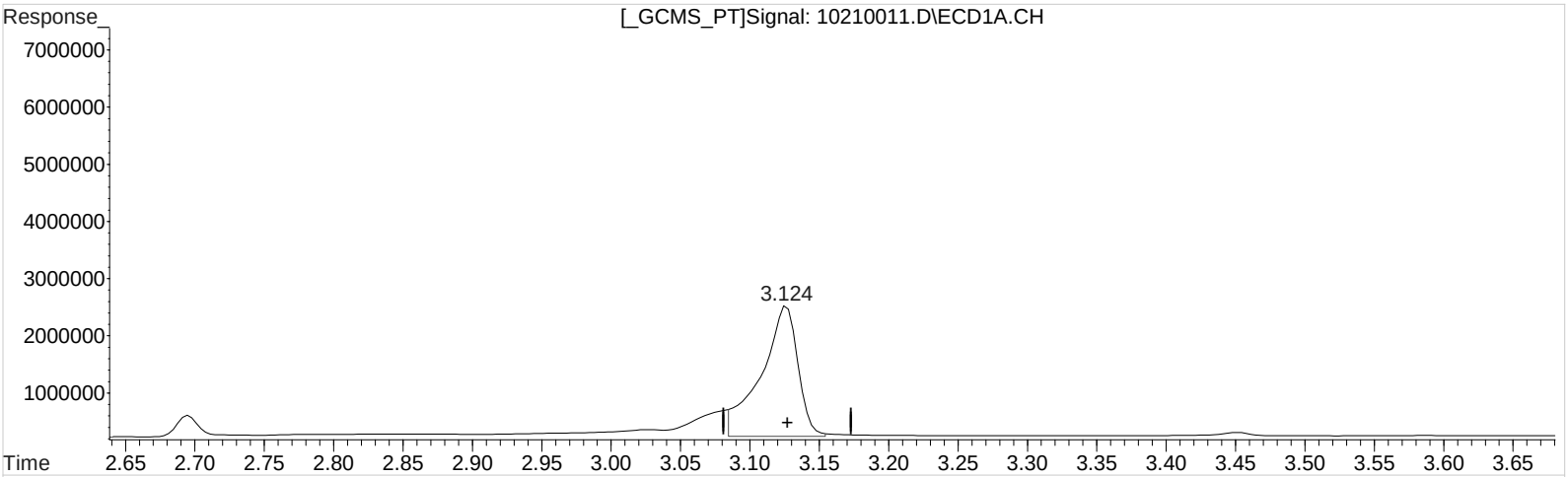
Quantitation Report (Qedit)

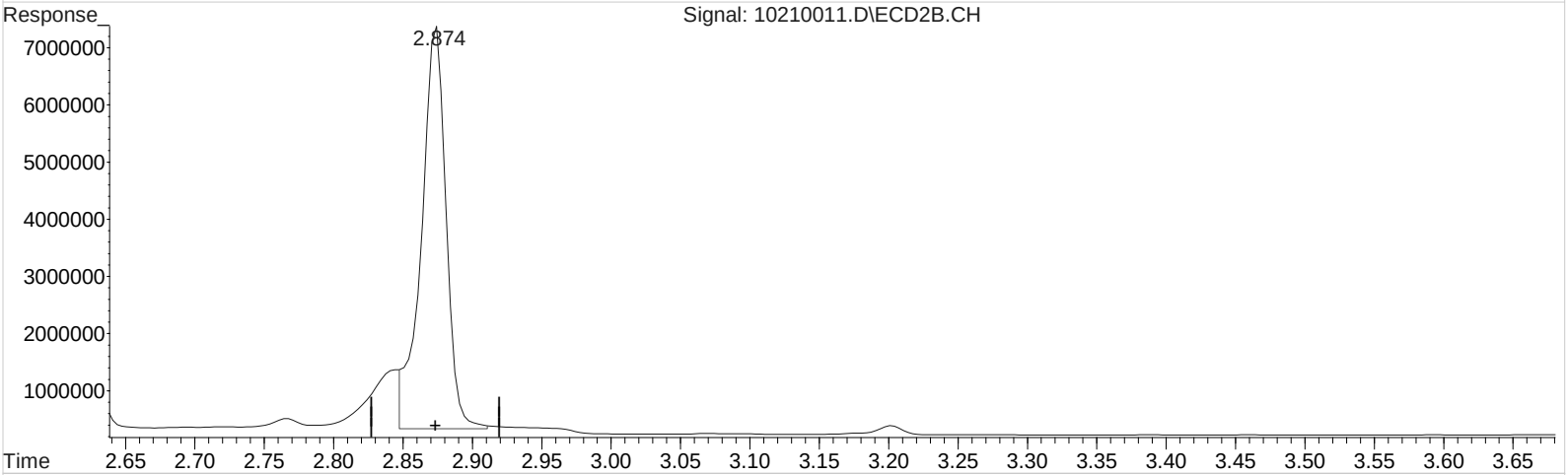
1st UA 10/21/20
2nd 10/22/20

Data File : J:\gc24\data\102120\10210011.D Vial: 10
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Oct 2020 4:32 pm Operator: UA
Sample : PENTA2-15D 200PB Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Oct 21 17:17:43 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:16:23 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(1) Dalapon (m)

3.124min 175.503 ppb m

response 4166081

(1) Dalapon #2 (m)

2.874min 186.129 ppb m

response 8620213

Manual Integration:

After

Baseline/Shoulder

10/21/20

(+) = Expected Retention Time

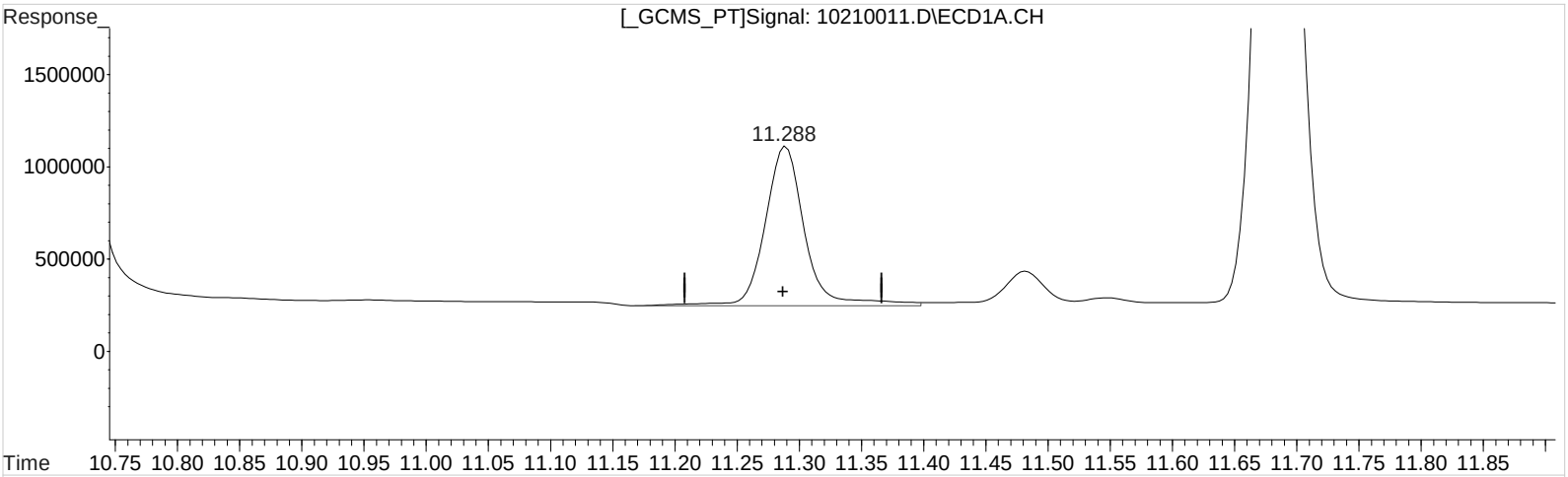
Quantitation Report (Qedit)

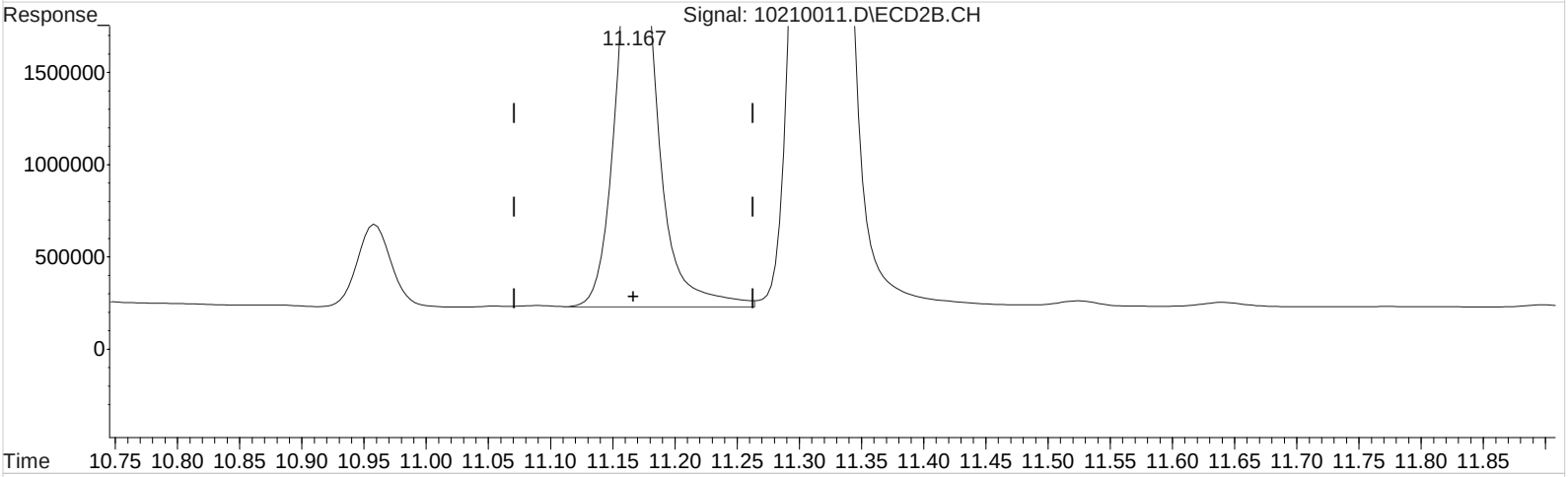
1st UA 10/21/20
2nd 10/22/20

Data File : J:\gc24\data\102120\10210011.D Vial: 10
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Oct 2020 4:32 pm Operator: UA
Sample : PENTA2-15D 200PB Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Oct 21 17:17:43 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:16:23 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(10) 2,4-DB (m)

11.288min 194.607 ppb

response 1934084

(10) 2,4-DB #2 (m)

11.167min 186.595 ppb

response 5143484

Manual Integration:

Before

10/21/20

(+) = Expected Retention Time

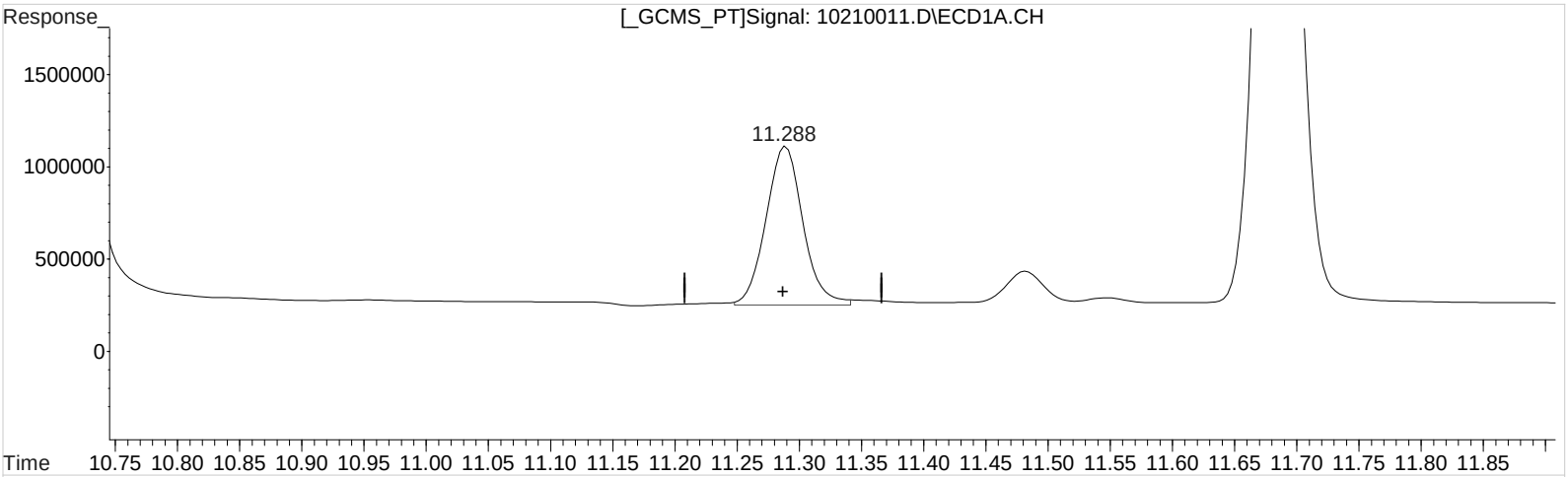
Quantitation Report (Qedit)

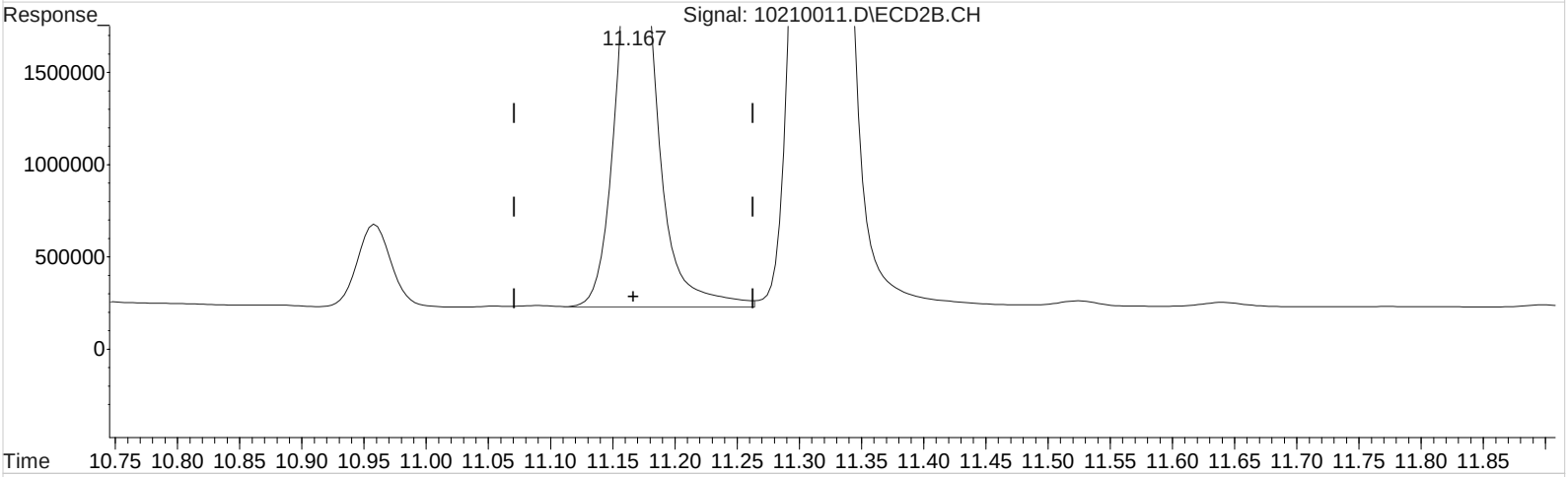
1st UA 10/21/20
2nd 10/22/20

Data File : J:\gc24\data\102120\10210011.D Vial: 10
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Oct 2020 4:32 pm Operator: UA
Sample : PENTA2-15D 200PB Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Oct 21 17:17:43 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:16:23 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(10) 2,4-DB (m)

11.288min 179.055 ppb m

response 1779525

Manual Integration:

After

Baseline/Shoulder

10/21/20

(10) 2,4-DB #2 (m)

11.167min 186.595 ppb

response 5143484

(+) = Expected Retention Time

Quantitation Report (QT Reviewed)

1st UA 10/21/20
2nd 10/22/20

Data File : J:\gc24\data\102120\10210012.D Vial: 11
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Oct 2020 4:56 pm Operator: UA
Sample : PENTA2-15E ICV 100 PPB Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Oct 21 17:34:58 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
2) s	2,4-Dichl...	0.000	0.000	0	0	N.D. d	N.D. d
	Target Compounds						
1) m	Dalapon	3.124	2.874	2275140	4637166	93.788m	95.982m
3) m	Dicamba	8.214	7.917	6693399	14244119	95.894	96.106
4) m	MCPP	8.301	8.107	425850	1671884	9672.717	10136.278
5) m	MCPA	8.564	8.354	589571	2253395	10069.096	10030.937
6) m	Dichloroprop	8.967	8.754	1609647	3570683	86.318	85.597
7) m	2,4-D	9.324	9.064	1920602	4282415	90.423	83.643
8) m	2,4,5-TP ...	10.264	10.134	8747020	18777316	93.370	92.500
9) m	2,4,5-T	10.711	10.537	8103188	18900875	98.209	98.768
10) m	2,4-DB	11.291	11.174	963718	2763456	93.935	95.240
11) m	Dinoseb	11.687	11.320	5877452	12904696	95.003	94.362

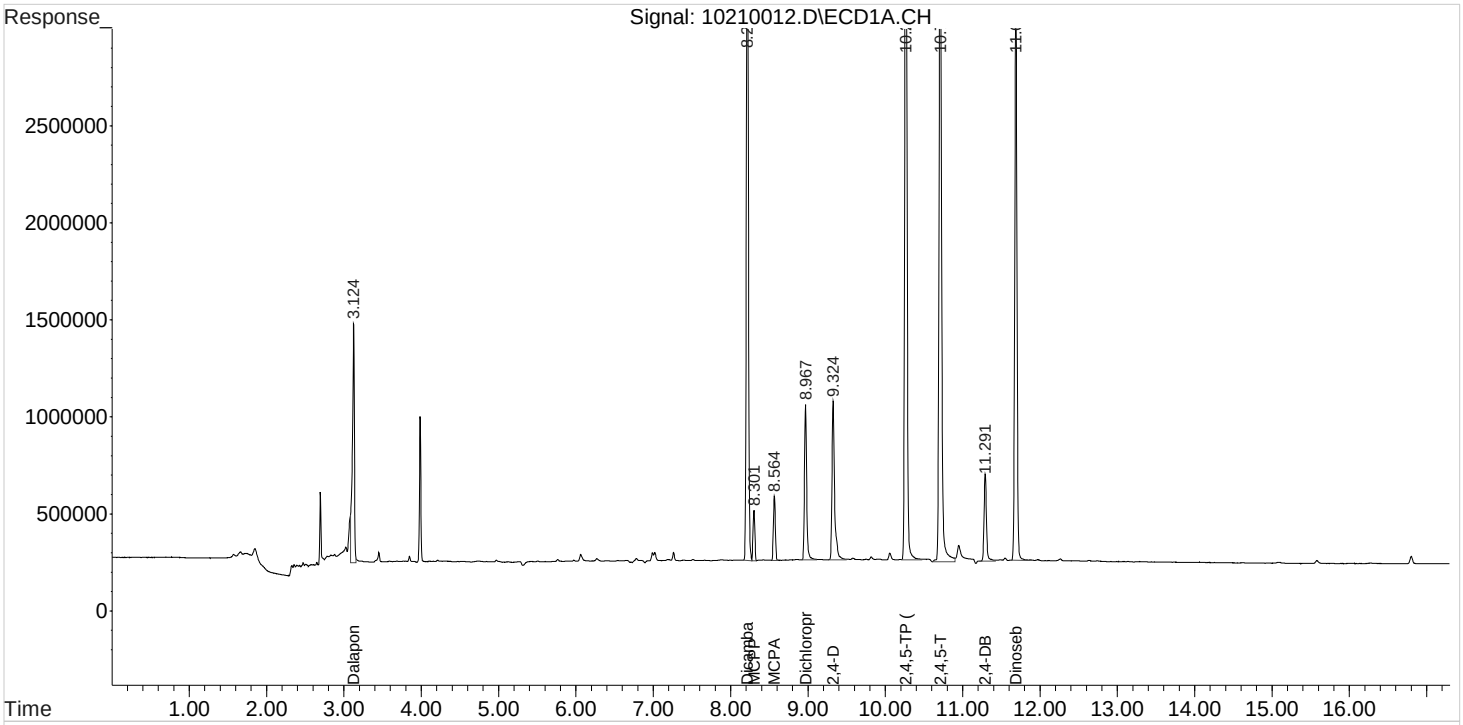
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

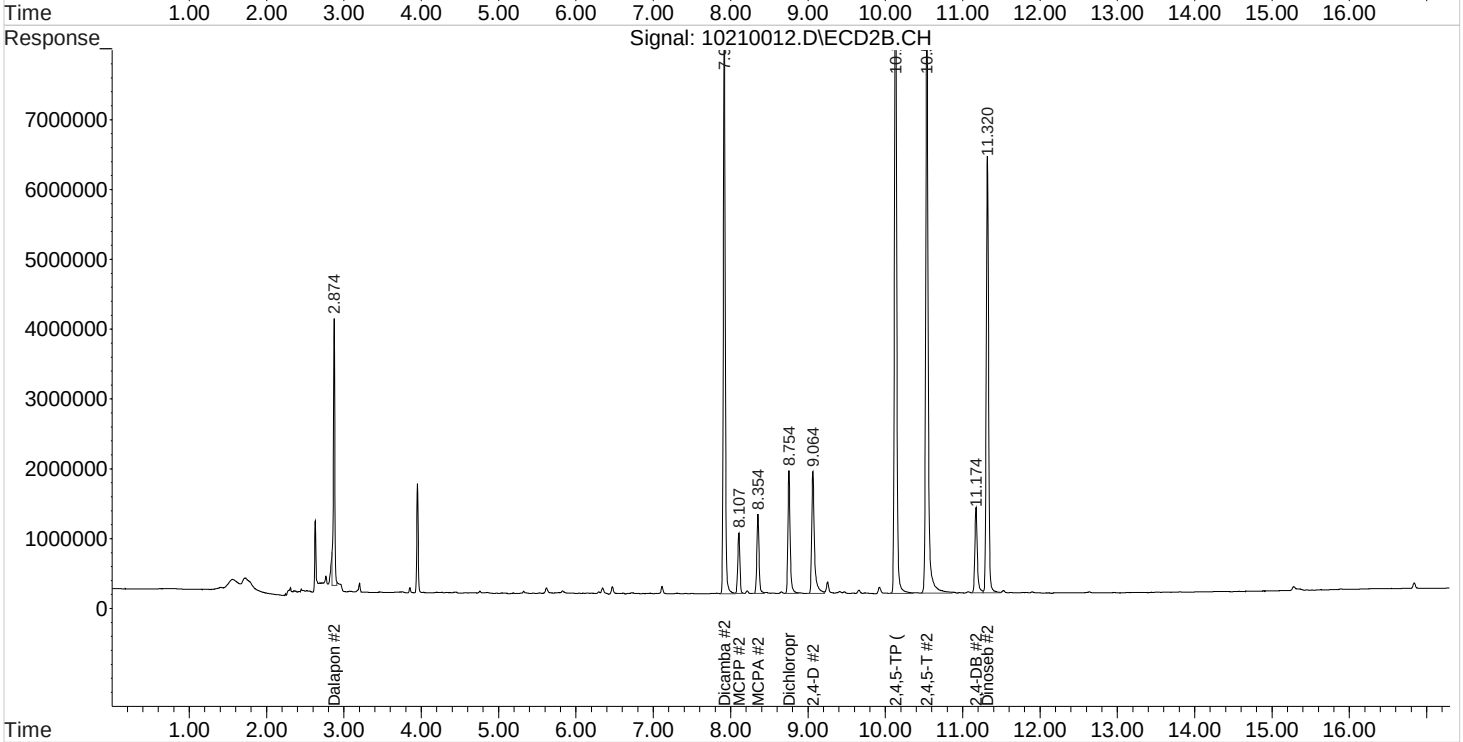
1st UA 10/21/20
2nd 10/22/20

Data File : J:\gc24\data\102120\10210012.D Vial: 11
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Oct 2020 4:56 pm Operator: UA
Sample : PENTA2-15E ICV 100 PPB Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Oct 21 17:34:58 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





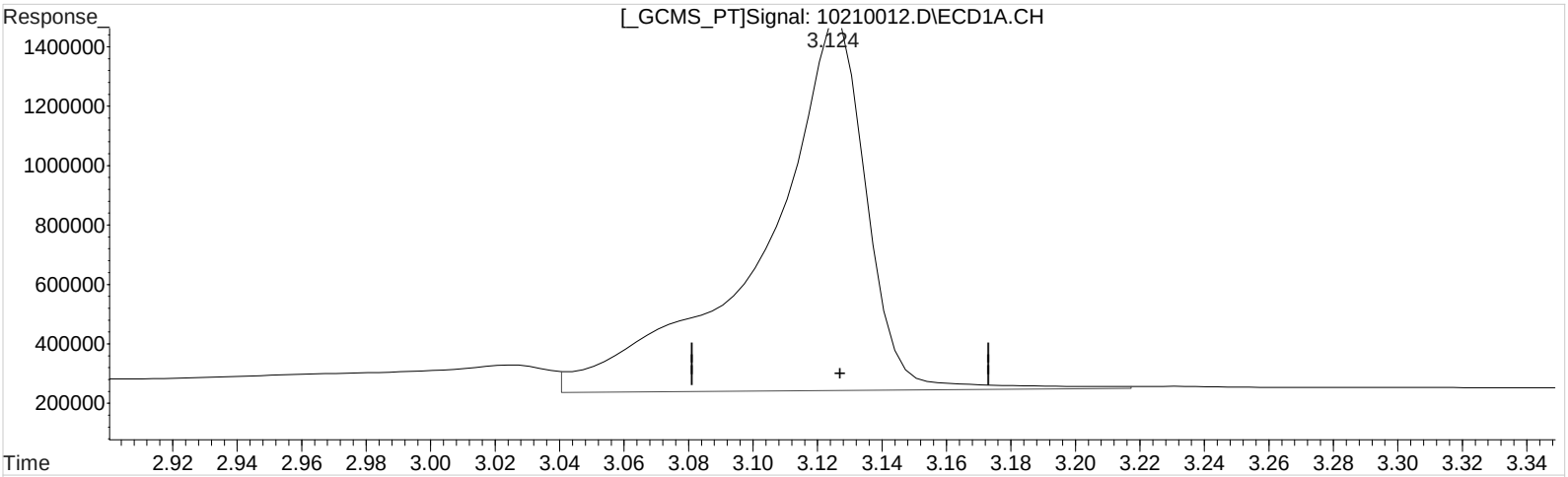
Quantitation Report (Qedit)

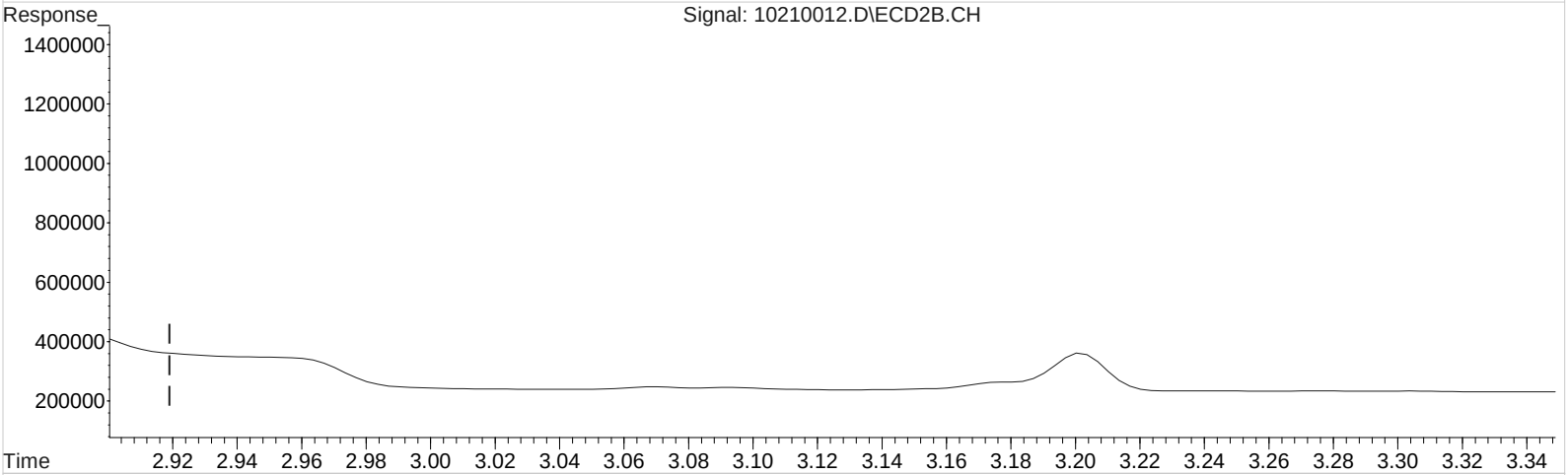
1st UA 10/21/20
2nd 10/22/20

Data File : J:\gc24\data\102120\10210012.D Vial: 11
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Oct 2020 4:56 pm Operator: UA
Sample : PENTA2-15E ICV 100 PPB Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Oct 21 17:33:07 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(1) Dalapon (m)

3.124min 114.147 ppb

response 2769027

(1) Dalapon #2 (m)

2.874min 131.747 ppb

response 6365052

Manual Integration:

Before

10/21/20

(+) = Expected Retention Time

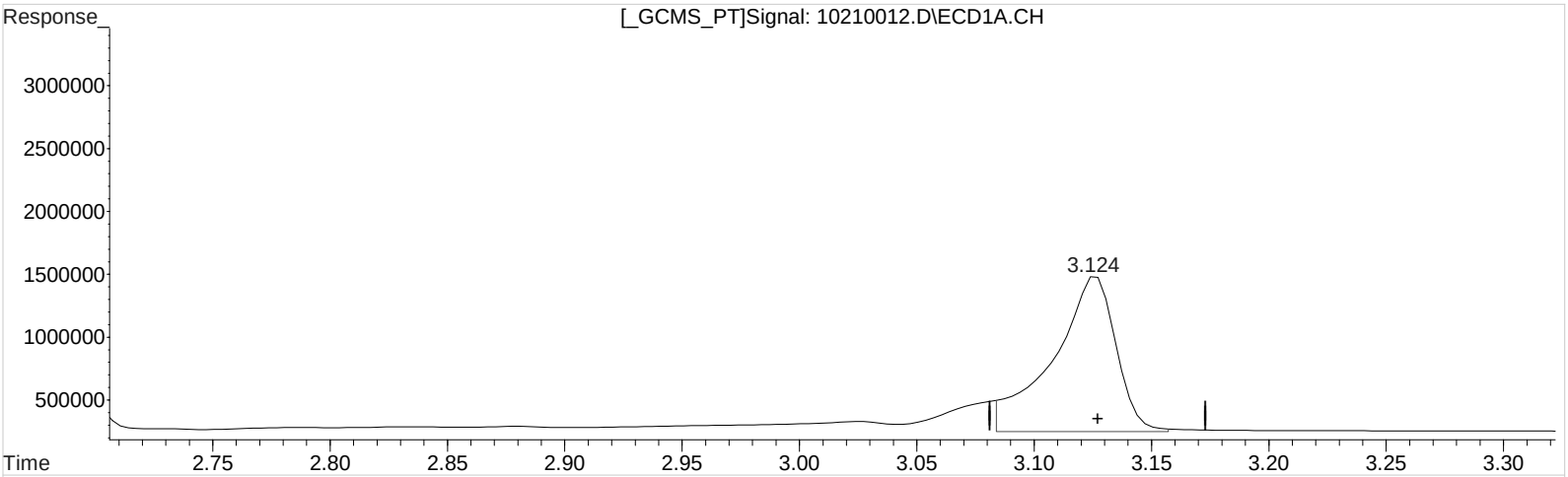
Quantitation Report (Qedit)

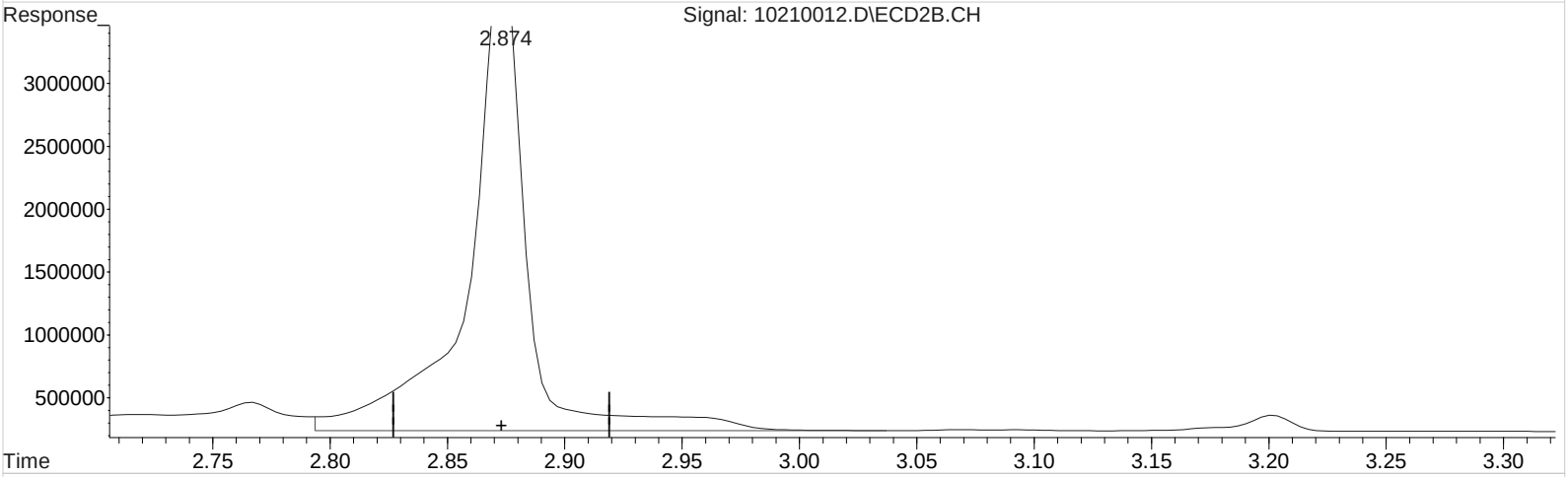
1st UA 10/21/20
2nd 10/22/20

Data File : J:\gc24\data\102120\10210012.D Vial: 11
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Oct 2020 4:56 pm Operator: UA
Sample : PENTA2-15E ICV 100 PPB Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Oct 21 17:33:07 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(1) Dalapon (m)

3.124min 93.788 ppb m

response 2275140

Manual Integration:

Before

10/21/20

(1) Dalapon #2 (m)

2.874min 131.747 ppb

response 6365052

(+) = Expected Retention Time

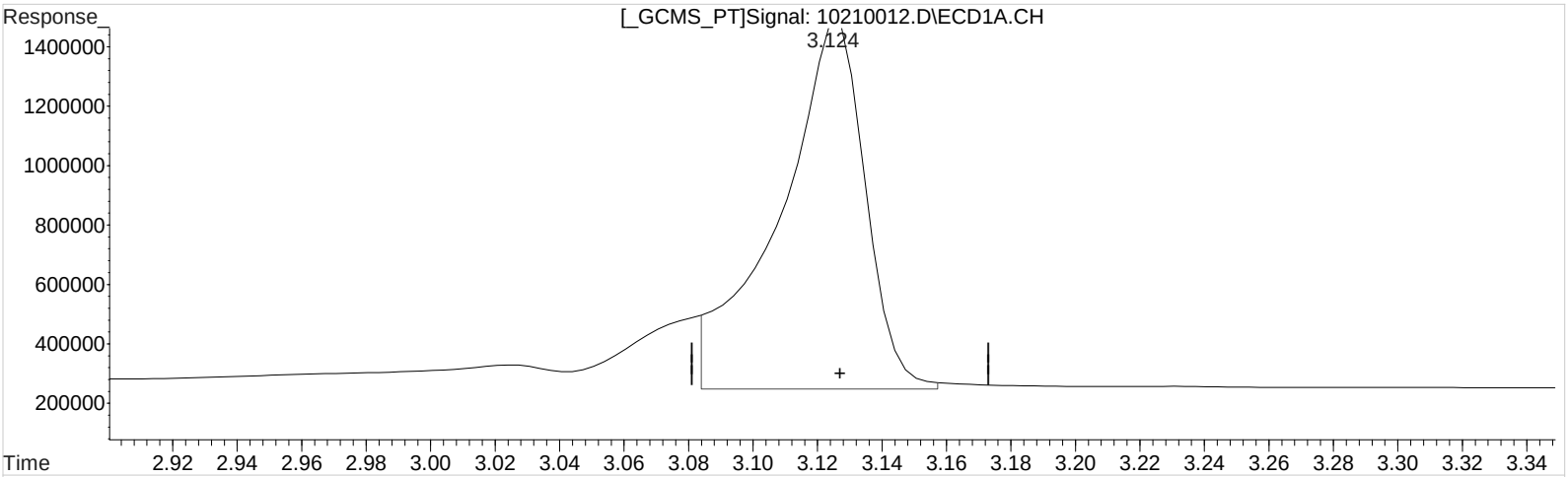
Quantitation Report (Qedit)

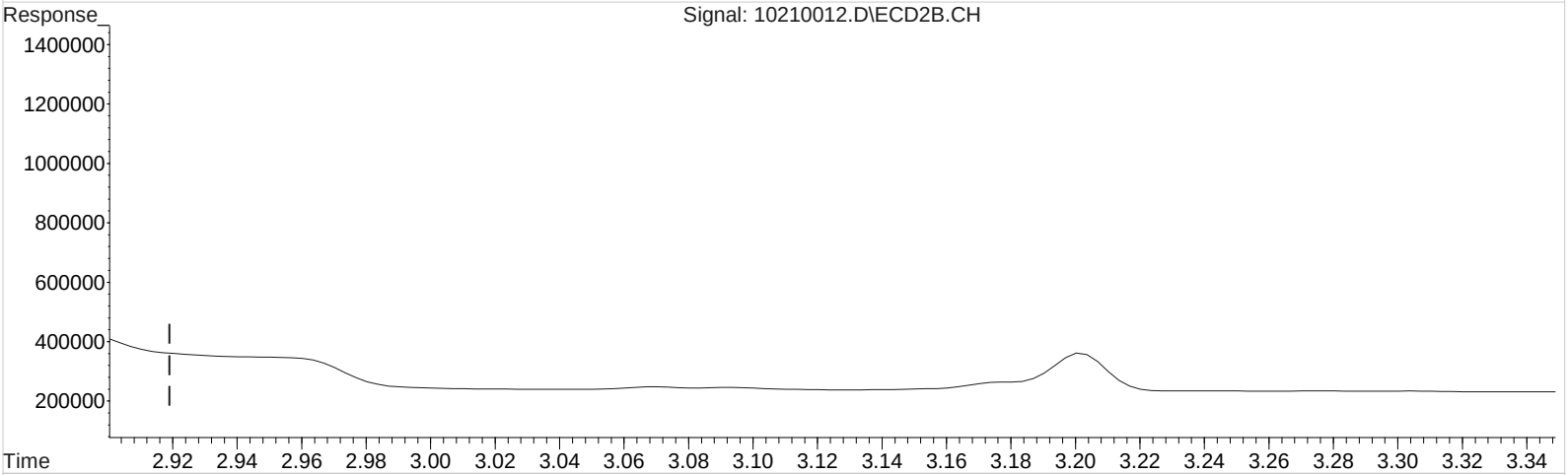
1st UA 10/21/20
2nd 10/22/20

Data File : J:\gc24\data\102120\10210012.D Vial: 11
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Oct 2020 4:56 pm Operator: UA
Sample : PENTA2-15E ICV 100 PPB Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Oct 21 17:33:07 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(1) Dalapon (m)

3.124min 93.788 ppb m

response 2275140

Manual Integration:

After

Baseline/Shoulder

10/21/20

(1) Dalapon #2 (m)

2.874min 131.747 ppb

response 6365052

(+) = Expected Retention Time

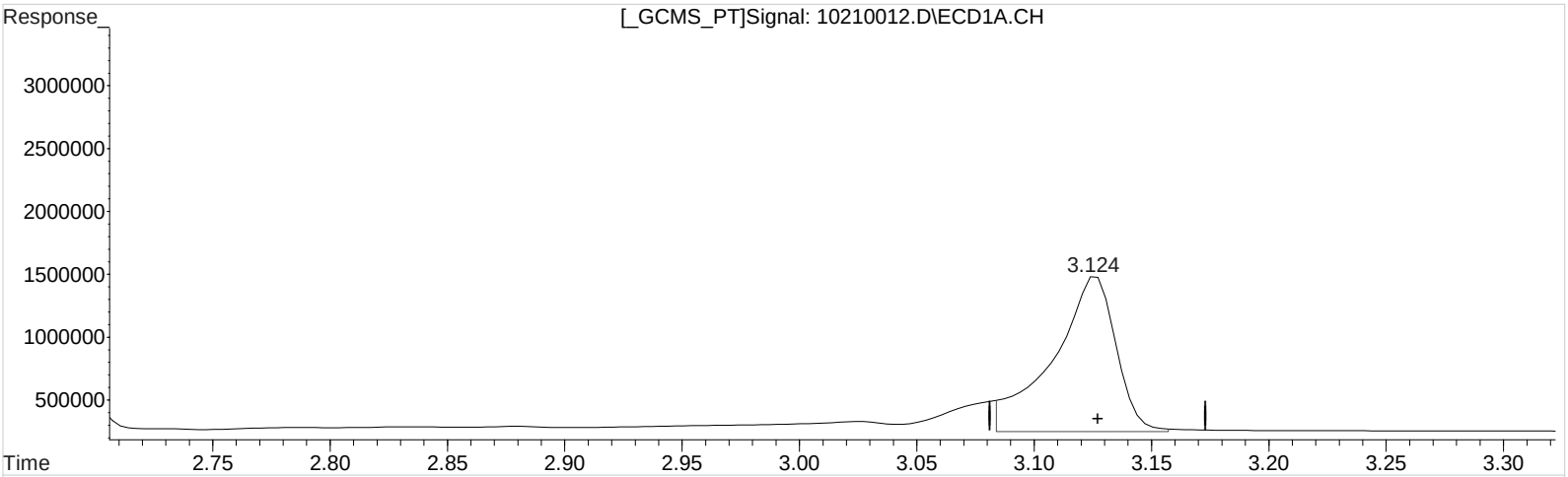
Quantitation Report (Qedit)

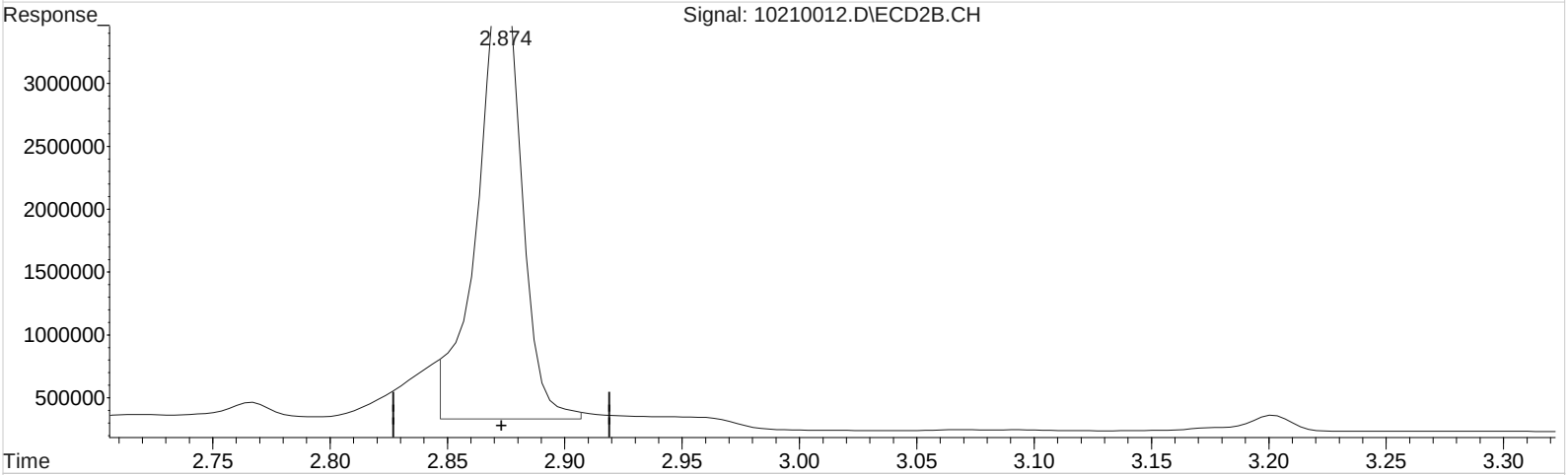
1st UA 10/21/20
2nd 10/22/20

Data File : J:\gc24\data\102120\10210012.D Vial: 11
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Oct 2020 4:56 pm Operator: UA
Sample : PENTA2-15E ICV 100 PPB Inst : HP G1530A
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Oct 21 17:33:07 2020
Quant Results File: 102120_8151.RES

Quant Method : J:\gc24\Methods\102120_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Oct 21 17:31:59 2020
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : RTX-CLP2 Signal #2 Phase: ZB-XLB-HT
Signal #1 Info : 0.25 mm Signal #2 Info : 0.25 mm





QEdit

(1) Dalapon (m)

3.124min 93.788 ppb m

response 2275140

Manual Integration:

After

Baseline/Shoulder

10/21/20

(1) Dalapon #2 (m)

2.874min 95.982 ppb m

response 4637166

(+) = Expected Retention Time

Sel	Run	Location	Method	Datafile	SeqTable	Calib:RF:RT	Sample Name
No	1	Vial 100	8151A-17	11140001	F:01:01		CCV PRIMER
No	2	Vial 100	8151A-17	11140002	F:02:01		CCV PRIMER
No	3	Vial 2	8151A-17	11140003	F:03:01		PENTA2-14N 100PB
No	4	Vial 1	8151A-17	11140004	F:04:01		IB
No	5	Vial 3	8151A-17	11140005	F:05:01		KQ2017246-04MB
No	6	Vial 4	8151A-17	11140006	F:06:01		KQ2017246-03LCS
No	7	Vial 5	8151A-17	11140007	F:07:01		K2010068-001
No	8	Vial 6	8151A-17	11140008	F:08:01		K2010068-002
No	9	Vial 7	8151A-17	11140009	F:09:01		K2010068-003
No	10	Vial 8	8151A-17	11140010	F:10:01		K2010068-004
No	11	Vial 9	8151A-17	11140011	F:11:01		K2010068-005
No	12	Vial 10	8151A-17	11140012	F:12:01		K2010068-006
No	13	Vial 11	8151A-17	11140013	F:13:01		K2010214-001
No	14	Vial 12	8151A-17	11140014	F:14:01		KQ2017246-01MS
No	15	Vial 13	8151A-17	11140015	F:15:01		KQ2017246-02DMS
No	16	Vial 2	8151A-17	11140016	F:16:01		PENTA2-14N 100PB
No	17	Vial 1	8151A-17	11140017	F:17:01		IB
No	18	Vial 14	8151A-17	11140018	F:18:01		KQ2017247-04MB
No	19	Vial 15	8151A-17	11140019	F:19:01		KQ2017247-03LCS
No	20	Vial 16	8151A-17	11140020	F:20:01		K2010069-001
No	21	Vial 17	8151A-17	11140021	F:21:01		K2010069-002
No	22	Vial 18	8151A-17	11140022	F:22:01		K2010069-003
No	23	Vial 19	8151A-17	11140023	F:23:01		K2010069-004
No	24	Vial 20	8151A-17	11140024	F:24:01		K2010069-005
No	25	Vial 21	8151A-17	11140025	F:25:01		K2010069-006
No	26	Vial 22	8151A-17	11140026	F:26:01		K2010069-007
No	27	Vial 23	8151A-17	11140027	F:27:01		K2010069-008
No	28	Vial 2	8151A-17	11140028	F:28:01		PENTA2-14N 100PB
No	29	Vial 1	8151A-17	11140029	F:29:01		IB
No	30	Vial 24	8151A-17	11140030	F:30:01		K2010069-013
No	31	Vial 25	8151A-17	11140031	F:31:01		K2010069-014
No	32	Vial 26	8151A-17	11140032	F:32:01		K2010069-015
No	33	Vial 27	8151A-17	11140033	F:33:01		K2010069-016
No	34	Vial 28	8151A-17	11140034	F:34:01		KQ2017247-01MS
No	35	Vial 29	8151A-17	11140035	F:35:01		KQ2017247-02DMS
No	36	Vial 30	8151A-17	11140036	F:36:01		K2010069-09 10X
No	37	Vial 31	8151A-17	11140037	F:37:01		K2010069-10 10X
No	38	Vial 32	8151A-17	11140038	F:38:01		K2010069-11 10X
No	39	Vial 33	8151A-17	11140039	F:39:01		K2010069-12 10X
No	40	Vial 2	8151A-17	11140040	F:40:01		PENTA2-14N 100PB
No	41	Vial 1	8151A-17	11140041	F:41:01		IB
No	42	none	STANDBY	11140042	F:42:01		STANBY

Run #: 703599

RR missing closing ccv