ALS Environmental
ALS Group USA, Corp
1317 South 13th Avenue
Kelso, WA 98626
T : +1 360 577 7222
F : +1 360 636 1068
www.alsglobal.com

March 24, 2021

Analytical Report for Service Request No: K2102458

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 March 11, 2021
For your reference, these analyses have been assigned our service request number **K2102458.**

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

ALS Environmental
ALS Group USA, Corp
1317 South 13th Avenue
Kelso, WA 98626
T : +1 360 577 7222
F : +1 360 636 1068
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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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Phone (360)577-7222 Fax (360)636-1068
www.alsglobal.com

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

Service Request: K2102458
Date Received: 03/11/2021

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:

Two water samples were received for analysis at ALS Environmental on 03/11/2021. 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:

The analysis of 8151A requires the use of dual column confirmation. For the Initial Calibration Verification (ICV) at least one of the analytical systems in a dual column or dual detector system must meet the criteria. This criteria was met on one column for 2,4-D. The data quality was not affected. No further corrective action was necessary.

Approved by _____ Date 03/24/2021

Chain of Custody

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K2102458

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

ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY

COC ID: ALS-20210309-182926

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

Project: GascoSiltronic: US Moorings

Client: NW Natural

Sample Custodian: SN

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	RAB-FB-2103091636	FB	WQ	03/09/2021	16:36	2	☐				
								Herbicides	SW8151A	30	4°C
002	RAB-RB-2103091709	RB	WQ	03/09/2021	17:09	2	☐				
								Herbicides	SW8151A	30	4°C

Comment:

	Relinquished By	Received By	Relinquished By	Received By	Relinquished By	Received By
Signature	[signature]	[signature]				
Print Name	Sasha Norwood	H Moore				
Company	Anchor QEA	ALS				
Date/Time	3/10/21 @ 0800	3/11/21 1215				

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

Date Printed: 3/9/2021

PM NH

Cooler Receipt and Preservation Form

Client Anchor Service Request K21 024158

Received: 3/11/21 Opened: 3/11/21 By: [illegible] Unloaded: 3/11/21 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? _____
   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
3.7		IR02	AHS-20210309-18296		—		

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? Km ~~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: _____

Chlorinated Herbicides by GC

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Analytical Report

Client:	Anchor QEA, LLC	**Service Request:**	K2102458
Project:	GascoSiltronic: US Moorings	**Date Collected:**	03/09/21 16:36
Sample Matrix:	Water	**Date Received:**	03/11/21 12:15
Sample Name:	RAB-FB-2103091636	**Units:**	ug/L
Lab Code:	K2102458-001	**Basis:**	NA

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	0.19	0.045	1	03/18/21 20:09	3/16/21	
2,4-D	ND U	0.38	0.036	1	03/18/21 20:09	3/16/21	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
DCAA	30	17 - 113	03/18/21 20:09	

Analytical Report

Client:	Anchor QEA, LLC	**Service Request:**	K2102458
Project:	GascoSiltronic: US Moorings	**Date Collected:**	03/09/21 17:09
Sample Matrix:	Water	**Date Received:**	03/11/21 12:15
Sample Name:	RAB-RB-2103091709	**Units:**	ug/L
Lab Code:	K2102458-002	**Basis:**	NA

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	0.19	0.045	1	03/18/21 20:33	3/16/21	
2,4-D	ND U	0.38	0.036	1	03/18/21 20:33	3/16/21	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
DCAA	22	17 - 113	03/18/21 20:33	

Analytical Report

Client:	Anchor QEA, LLC	**Service Request:**	K2102458
Project:	GascoSiltronic: US Moorings	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	KQ2103959-07	**Basis:**	NA

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	0.20	0.045	1	03/18/21 17:19	3/16/21	
2,4-D	ND U	0.40	0.036	1	03/18/21 17:19	3/16/21	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
DCAA	24	17 - 113	03/18/21 17:19	

Confirmation Results

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

Service Request: K2102458
Date Collected: NA
Date Received:

Sample Name: Lab Control Sample
Lab Code: KQ2103959-01

Units: ug/L
Basis: NA

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	0.045	1.70	1.70	<1		1	03/18/21 19:20
2,4-D	0.036	1.29	1.55	18		1	03/18/21 19:20

Confirmation Results

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

Service Request: K2102458
Date Collected: NA
Date Received:

Sample Name: Duplicate Lab Control Sample
Lab Code: KQ2103959-02

Units: ug/L
Basis: NA

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	0.045	1.76	1.83	4		1	03/18/21 19:45
2,4-D	0.036	1.37	1.70	21		1	03/18/21 19:45

Client: Anchor QEA, LLC **Service Request:** K2102458
Project: GascoSiltronic: US Moorings
Sample Matrix: Water

SURROGATE RECOVERY SUMMARY
Chlorinated Herbicides by GC

Analysis Method: 8151A
Extraction Method: Method

Sample Name	Lab Code	DCAA 17-113
RAB-FB-2103091636	K2102458-001	30
RAB-RB-2103091709	K2102458-002	22
Method Blank	KQ2103959-07	24
Lab Control Sample	KQ2103959-01	37
Duplicate Lab Control Sample	KQ2103959-02	40

Client:	Anchor QEA, LLC	**Service Request:**	K2102458
Project:	GascoSiltronic: US Moorings	**Date Analyzed:**	03/18/21
Sample Matrix:	Water	**Date Extracted:**	03/16/21

Duplicate Lab Control Sample Summary
Chlorinated Herbicides by GC

Analysis Method:	8151A	**Units:**	ug/L
Prep Method:	Method	**Basis:**	NA
		Analysis Lot:	716732

	Lab Control Sample KQ2103959-01			Duplicate Lab Control Sample KQ2103959-02					
Analyte Name	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
2,4,5-TP	1.70	2.50	68	1.76	2.50	70	37-114	4	30
2,4-D	1.29	2.50	52	1.37	2.50	55	35-110	6	30

Client:	Anchor QEA, LLC	**Service Request:**	K2102458
Project:	GascoSiltronic: US Moorings	**Date Analyzed:**	03/18/21 17:19
Sample Matrix:	Water	**Date Extracted:**	03/16/21

Method Blank Summary
Chlorinated Herbicides by GC

Sample Name:	Method Blank	**Instrument ID:**	K-GC-34
Lab Code:	KQ2103959-07	**File ID:**	J:\GC34\DATA\031821\03180000005.D\
Analysis Method:	8151A	**Analysis Lot:**	716732
Prep Method:	Method	**Extraction Lot:**	375839

This Method Blank applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Lab Control Sample	KQ2103959-01	J:\GC34\DATA\031821\03180000010.D\	03/18/21 19:20
Duplicate Lab Control Sample	KQ2103959-02	J:\GC34\DATA\031821\03180000011.D\	03/18/21 19:45
RAB-FB-2103091636	K2102458-001	J:\GC34\DATA\031821\03180000012.D\	03/18/21 20:09
RAB-RB-2103091709	K2102458-002	J:\GC34\DATA\031821\03180000013.D\	03/18/21 20:33

Client:	Anchor QEA, LLC	**Service Request:**	K2102458
Project:	GascoSiltronic: US Moorings	**Date Analyzed:**	03/18/21 19:20
Sample Matrix:	Water	**Date Extracted:**	03/16/21

Lab Control Sample Summary
Chlorinated Herbicides by GC

Sample Name:	Lab Control Sample	**Instrument ID:**	K-GC-34
Lab Code:	KQ2103959-01	**File ID:**	J:\GC34\DATA\031821\03180000010.D\
Analysis Method:	8151A	**Analysis Lot:**	716732
Prep Method:	Method	**Extraction Lot:**	375839

This Lab Control Sample applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Method Blank	KQ2103959-07	J:\GC34\DATA\031821\03180000005.D\	03/18/21 17:19
Duplicate Lab Control Sample	KQ2103959-02	J:\GC34\DATA\031821\03180000011.D\	03/18/21 19:45
RAB-FB-2103091636	K2102458-001	J:\GC34\DATA\031821\03180000012.D\	03/18/21 20:09
RAB-RB-2103091709	K2102458-002	J:\GC34\DATA\031821\03180000013.D\	03/18/21 20:33

Client: Anchor QEA, LLC **Service Request:** K2102458
Project: GascoSiltronic: US Moorings **Calibration Date:** 3/17/2021

Initial Calibration Summary
Chlorinated Herbicides by GC

Calibration ID: KC2100138 **Signal ID:** Rtx-CLPesticides
Instrument ID: K-GC-34

#	Lab Code	Sample Name	File Location	Acquisition Date
01	KC2100138-01	PENTA02-25D-10PPB	J:\GC34\DATA\031721\03170000005.D	03/17/2021 11:54
02	KC2100138-02	PENTA02-25E-25PPB	J:\GC34\DATA\031721\03170000006.D	03/17/2021 12:18
03	KC2100138-03	PENTA02-24K-75PPB	J:\GC34\DATA\031721\03170000007.D	03/17/2021 12:42
04	KC2100138-04	PENTA02-24L-100PPB	J:\GC34\DATA\031721\03170000008.D	03/17/2021 13:06
05	KC2100138-05	PENTA02-24M-125PPB	J:\GC34\DATA\031721\03170000009.D	03/17/2021 13:30
06	KC2100138-06	PENTA02-24N-150PPB	J:\GC34\DATA\031721\03170000010.D	03/17/2021 13:54
07	KC2100138-07	PENTA02-25A-175PPB	J:\GC34\DATA\031721\03170000011.D	03/17/2021 14:18
08	KC2100138-08	PENTA02-25B-200PPB	J:\GC34\DATA\031721\03170000012.D	03/17/2021 14:42

Analyte

2,4,5-TP

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	9.510	3.591E6	02	23.760	4.001E6	03	71.300	3.986E6	04	95.100	4.403E6
05	118.820	4.542E6	06	142.580	4.515E6	07	166.340	4.582E6	08	190.100	4.703E6

2,4-D

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	9.400	8.438E5	02	23.510	9.23E5	03	70.500	8.966E5	04	94.000	9.974E5
05	117.540	1.026E6	06	141.050	1.022E6	07	164.560	1.041E6	08	188.060	1.073E6

DCAA

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	9.020	1.047E6	02	22.550	1.062E6	03	67.600	9.596E5	04	90.200	1.027E6
05	112.730	1.048E6	06	135.280	1.027E6	07	157.830	1.024E6	08	180.370	1.048E6

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

Service Request: K2102458
Calibration Date: 3/17/2021

Initial Calibration Summary
Chlorinated Herbicides by GC

Calibration ID: KC2100138
Instrument ID: K-GC-34

Signal ID: Rtx-CLPesticides

		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	9.0	≤20	4.29E6	
2,4-D	TRG	Average RF	% RSD	8.2	≤20	9.78E5	
DCAA	SURR	Average RF	% RSD	3.1	≤20	1.03E6	

Client: Anchor QEA, LLC **Service Request:** K2102458
Project: GascoSiltronic: US Moorings **Calibration Date:** 3/17/2021

Initial Calibration Summary
Chlorinated Herbicides by GC

Calibration ID: KC2100138 **Signal ID:** Rtx-CLPesticides2
Instrument ID: K-GC-34

#	Lab Code	Sample Name	File Location	Acquisition Date
01	KC2100138-01	PENTA02-25D-10PPB	J:\GC34\DATA\031721\03170000005.D	03/17/2021 11:54
02	KC2100138-02	PENTA02-25E-25PPB	J:\GC34\DATA\031721\03170000006.D	03/17/2021 12:18
03	KC2100138-03	PENTA02-24K-75PPB	J:\GC34\DATA\031721\03170000007.D	03/17/2021 12:42
04	KC2100138-04	PENTA02-24L-100PPB	J:\GC34\DATA\031721\03170000008.D	03/17/2021 13:06
05	KC2100138-05	PENTA02-24M-125PPB	J:\GC34\DATA\031721\03170000009.D	03/17/2021 13:30
06	KC2100138-06	PENTA02-24N-150PPB	J:\GC34\DATA\031721\03170000010.D	03/17/2021 13:54
07	KC2100138-07	PENTA02-25A-175PPB	J:\GC34\DATA\031721\03170000011.D	03/17/2021 14:18
08	KC2100138-08	PENTA02-25B-200PPB	J:\GC34\DATA\031721\03170000012.D	03/17/2021 14:42

Analyte

2,4,5-TP

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	9.510	1.389E6	02	23.760	1.421E6	03	71.300	1.361E6	04	95.100	1.481E6
05	118.820	1.512E6	06	142.580	1.487E6	07	166.340	1.508E6	08	190.100	1.543E6

2,4-D

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	9.400	8.004E5	02	23.510	7.559E5	03	70.500	6.794E5	04	94.000	7.304E5
05	117.540	7.395E5	06	141.050	7.257E5	07	164.560	7.331E5	08	188.060	7.497E5

DCAA

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	9.020	4.449E5	02	22.550	4.044E5	03	67.600	3.439E5	04	90.200	3.622E5
05	112.730	3.63E5	06	135.280	3.556E5	07	157.830	3.582E5	08	180.370	3.638E5

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

Service Request: K2102458
Calibration Date: 3/17/2021

Initial Calibration Summary
Chlorinated Herbicides by GC

Calibration ID: KC2100138
Instrument ID: K-GC-34

Signal ID: Rtx-CLPesticides2

		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	4.4	≤20	1.463E6	
2,4-D	TRG	Average RF	% RSD	4.6	≤20	7.393E5	
DCAA	SURR	Average RF	% RSD	8.9	≤20	3.745E5	

Client: Anchor QEA, LLC **Service Request:** K2102458
Project: GascoSiltronic: US Moorings **Calibration Date:** 3/17/2021

Initial Calibration Verification Summary
Chlorinated Herbicides by GC

Calibration ID: KC2100138 **Signal ID:** Rtx-CLPesticides
Instrument ID: K-GC-34

#	Lab Code	Sample Name	File Location	Acquisition Date
10	KC2100138-10	PENTA02-25C-100PPB ICV	J:\GC34\DATA\031721\03170000013.D	03/17/2021 15:06

Analyte Name	Expected	Result	Average RF	SSV RF	% D	Criteria	Curve Fit
2,4,5-TP	95.1	94.2	4.29E6	4.249E6	-0.974	±20	Average RF
2,4-D	94.0	86.2	9.78E5	8.971E5	-8.268	±20	Average RF

Client: Anchor QEA, LLC **Service Request:** K2102458
Project: GascoSiltronic: US Moorings **Calibration Date:** 3/17/2021

Initial Calibration Verification Summary
Chlorinated Herbicides by GC

Calibration ID: KC2100138 **Signal ID:** Rtx-CLPesticides2
Instrument ID: K-GC-34

#	Lab Code	Sample Name	File Location	Acquisition Date
10	KC2100138-10	PENTA02-25C-100PPB ICV	J:\GC34\DATA\031721\03170000013.D	03/17/2021 15:06

Analyte Name	Expected	Result	Average RF	SSV RF	% D	Criteria	Curve Fit
2,4,5-TP	95.1	91.8	1.463E6	1.412E6	-3.476	±20	Average RF

Client:	Anchor QEA, LLC	**Service Request:**	K2102458
Project:	GascoSiltronic: US Moorings	**Date Analyzed:**	03/18/21 16:31

Continuing Calibration Verification (CCV) Summary
Chlorinated Herbicides by GC

Analysis Method:	8151A	**Calibration Date:**	3/17/2021
File ID:	J:\GC34\DATA\031821\03180000003.D\	**Calibration ID:**	KC2100138
Signal ID:	Rtx-CLPesticides	**Analysis Lot:**	716732
		Units:	ppb

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
2,4,5-TP	95.1	94.7	4.29E6	4.273E6	-0.4	NA	±20	Average RF
2,4-D	94.0	92.6	9.78E5	9.639E5	-1.4	NA	±20	Average RF

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
DCAA	100	88.3	1.03E6	9.092E5	-11.8	NA	±20	Average RF

Client:	Anchor QEA, LLC	**Service Request:**	K2102458
Project:	GascoSiltronic: US Moorings	**Date Analyzed:**	03/18/21 16:31

Continuing Calibration Verification (CCV) Summary
Chlorinated Herbicides by GC

Analysis Method:	8151A	**Calibration Date:**	3/17/2021
File ID:	J:\GC34\DATA\031821\03180000003.D\	**Calibration ID:**	KC2100138
Signal ID:	Rtx-CLPesticides2	**Analysis Lot:**	716732
		Units:	ppb

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
2,4,5-TP	95.1	95.6	1.463E6	1.47E6	0.5	NA	±20	Average RF
2,4-D	94.0	92.2	7.393E5	7.25E5	-1.9	NA	±20	Average RF

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
DCAA	100	86.5	3.745E5	3.24E5	-13.5	NA	±20	Average RF

Client:	Anchor QEA, LLC	**Service Request:**	K2102458
Project:	GascoSiltronic: US Moorings	**Date Analyzed:**	03/18/21 20:57

Continuing Calibration Verification (CCV) Summary
Chlorinated Herbicides by GC

Analysis Method:	8151A	**Calibration Date:**	3/17/2021
File ID:	J:\GC34\DATA\031821\03180000014.D\	**Calibration ID:**	KC2100138
Signal ID:	Rtx-CLPesticides2	**Analysis Lot:**	716732
		Units:	ppb

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
2,4,5-TP	95.1	95.1	1.463E6	1.463E6	0.0	NA	±20	Average RF
2,4-D	94.0	92.3	7.393E5	7.261E5	-1.8	NA	±20	Average RF

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
DCAA	100	88.2	3.745E5	3.302E5	-11.8	NA	±20	Average RF

Client:	Anchor QEA, LLC	**Service Request:**	K2102458
Project:	GascoSiltronic: US Moorings	**Date Analyzed:**	03/18/21 20:57

Continuing Calibration Verification (CCV) Summary
Chlorinated Herbicides by GC

Analysis Method:	8151A	**Calibration Date:**	3/17/2021
File ID:	J:\GC34\DATA\031821\03180000014.D\	**Calibration ID:**	KC2100138
Signal ID:	Rtx-CLPesticides	**Analysis Lot:**	716732
		Units:	ppb

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
2,4,5-TP	95.1	96.4	4.29E6	4.349E6	1.4	NA	±20	Average RF
2,4-D	94.0	96.6	9.78E5	1.005E6	2.8	NA	±20	Average RF

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
DCAA	100	90.0	1.03E6	9.274E5	-10.0	NA	±20	Average RF

Client: Anchor QEA, LLC **Service Request:**K2102458
Project: GascoSiltronic: US Moorings

Analysis Run Log
Chlorinated Herbicides by GC

Analysis Method: 8151A **Analysis Lot:**716732
Instrument ID:K-GC-34

Raw Data File	Sample Name	Lab Code	Date Analyzed	Time Analyzed	Q
J:\GC34\DATA\031821\03180000003.D\	Continuing Calibration Verification	KQ2104200-01	3/18/2021	16:31:20	
J:\GC34\DATA\031821\03180000004.D\	Continuing Calibration Blank	KQ2104200-02	3/18/2021	16:55:17	
J:\GC34\DATA\031821\03180000005.D\	Method Blank	KQ2103959-07	3/18/2021	17:19:42	
J:\GC34\DATA\031821\03180000010.D\	Lab Control Sample	KQ2103959-01	3/18/2021	19:20:50	
J:\GC34\DATA\031821\03180000011.D\	Duplicate Lab Control Sample	KQ2103959-02	3/18/2021	19:45:14	
J:\GC34\DATA\031821\03180000012.D\	RAB-FB-2103091636	K2102458-001	3/18/2021	20:09:10	
J:\GC34\DATA\031821\03180000013.D\	RAB-RB-2103091709	K2102458-002	3/18/2021	20:33:01	
J:\GC34\DATA\031821\03180000014.D\	Continuing Calibration Verification	KQ2104200-03	3/18/2021	20:57:27	
J:\GC34\DATA\031821\03180000015.D\	Continuing Calibration Blank	KQ2104200-04	3/18/2021	21:21:18	

Prep Summary Report

Client: Anchor QEA, LLC **Service Request:**K2102458
Project: GascoSiltronic: US Moorings
Sample Matrix: Water

Chlorinated Herbicides by GC

Prep Method: Method **Extraction Lot:** 375839
Analytical Method: 8151A **Extraction Date:** 03/16/21 17:12

Sample Name	Lab Code	Date Collected	Date Received	Sample Amount	Final Amount	Percent Solids
RAB-FB-2103091636	K2102458-001	3/9/21	3/11/21	1040.0000	20 mL	
RAB-RB-2103091709	K2102458-002	3/9/21	3/11/21	1060.0000	20 mL	
Lab Control Sample	KQ2103959-01LCS	NA	NA	1000 mL	20 mL	
Duplicate Lab Control Sample	KQ2103959-02DLCS	NA	NA	1000 mL	20 mL	
Method Blank	KQ2103959-07MB	NA	NA	1000 mL	20 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

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#: 375839
Team: Semivoa GC/JCARBAJAL
Number of Copies to make: 2

Prep WorkFlow: OrgHerbAq(7)
Prep Method: Method

Status: Prepped
Prep Date/Time: 3/16/21 17:12

#	Lab Code	Client ID	B#	Method /Test	pH	Matrix	Amt. Ext.	Final Vol	Sample Description
1	K2101412-033	INST-8151/3510	.10	8151A/HERB		Water	1000mL	20.00mL	
2	K2102458-001	RAB-FB-2103091636	.01	8151A/HERB		Water	1040.0000mL	20.00mL	
3	K2102458-002	RAB-RB-2103091709	.02	8151A/HERB		Water	1060.0000mL	20.00mL	
4	KQ2103959-01	LCS		8151A/HERB		Liquid	1000mL	20.00mL	
5	KQ2103959-02	DLCS		8151A/HERB		Liquid	1000mL	20.00mL	
6	KQ2103959-03	LODV		8151A/HERB		Liquid	1000mL	20.00mL	
7	KQ2103959-04	LODV		8151A/HERB		Liquid	1000mL	20.00mL	
8	KQ2103959-05	LODV		8151A/HERB		Liquid	1000mL	20.00mL	
9	KQ2103959-06	LODV		8151A/HERB		Liquid	1000mL	20.00mL	
10	KQ2103959-07	MB		8151A/HERB		Liquid	1000mL	20.00mL	

Spiking Solutions

Name: 8151A 5ppm Herbicide surrogate Inventory ID 215465 Logbook Ref: Penta02-16IK Expires On: 05/24/2021

K2102458-001	500.00µL	K2102458-002	500.00µL	KQ2103959-01	500.00µL	KQ2103959-02	500.00µL	KQ2103959-03	50.00µL	KQ2103959-04	50.00µL
KQ2103959-05	50.00µL	KQ2103959-06	50.00µL	KQ2103959-07	500.00µL						

Preparation Steps

Step: Extraction
Started: 3/16/21 17:12
Finished: 3/16/21 18:35
By: JCARBAJAL
Comments

Step: Final Volume
Started: 3/17/21 09:50
Finished: 3/18/21 14:00
By: AAGUILAR
Comments

Comments: Slytherin A1-9

Reviewed By: _____ Date: _____ Spike Witness: TANDREWS Date: _____

Chain of Custody

Relinquished By: Alberto Aguilar Date: 3/18/21
Received By: [signature] Date: 3/18/21
Extracts Examined (Yes) No

Preparation Information Benchsheet

Prep Run#: 375839
Team: Semivoa GC/JCARBAJAL
Number of Copies to make: 2

Prep WorkFlow: OrgHerbAq(7)
Prep Method: 3510

Status: Draft
Prep Date/Time: 3/16/21 12:30 PM

#	Lab Code	Client ID	B#	√	Method /Test	Matrix	Amt. Ext. mL	pH	Int. Vol	Final Vol	Surr Amt µL	Spike Amt µL
1	~~K2101412-033~~	INST-8151/3510			8151A / HERB	Water						
2	**K2102458-001**	RAB-FB-2103091636	.01	✓	8151A / HERB	Water	1040	~~N2~~ <2		20	500	
3	**K2102458-002**	RAB-RB-2103091709	.02	✓	8151A / HERB	Water	1060			20		
4	**KQ2103959-01**	LCS		—	8151A / HERB	Liquid	1000			20		500
5	**KQ2103959-02**	DLCS		—	8151A / HERB	Liquid	1000			20		
6	**KQ2103959-03**	LODV LOD		—	8151A / HERB	Liquid	1000			20	50	20
7	**KQ2103959-04**	LODV LOD		—	8151A / HERB	Liquid	1000			20		50
8	**KQ2103959-05**	LODV LOQ		—	8151A / HERB	Liquid	1000			20		40
9	**KQ2103959-06**	LODV LOQ		—	8151A / HERB	Liquid	1000			20		100
10	**KQ2103959-07**	MB		—	8151A / HERB	Liquid	1060			20	500	

Comments: Insufficient sample volume for MS/DMS. 3.16.21 JTC

Surrogate ID: PentaO2-16k 5ppm xp: 5.24.21, 500µL

Spike ID: PentaO2-24H 5/500ppm xp: 9.4.21, 500µL

Witnessed By:

Analyst:

Assisted By:

ALS Environmental

Extraction Analyst Notes

Service Request: K2101412, 2458 Prep Group: KQ2103959

Topic	Notes	Initials/Date
No Anomalies: □		
Sample Anomalies: □		
Organics Present (sticks, leafs, bugs): □		
Fuel Odors: □		
Sulfur Odors, Precipitate: □		
General Notes:	Small amount of sample lost in DLCS during extraction.	3.16.21 JTC

ALS Environmental
Appendix from SOC-8151 Extracting Herbicides in Water
EPA Method 8151A

Service Request # K2102458, 1412 **Work Group #** KQ2103959

NaCl Lot # 20D2356799 10N NaOH Lot # 0000241426

Hydrolysis Start (time/date/initial): 1542 3.16.21 JTC

Hydrolysis Stop (time/date/initial): 1659 3.16.21 JTC

1:1 Sulfuric Acid Lot # 0081145 Ethyl Ether Lot # DZ804-US

Extraction Start (time/date/initial): 1712 3.16.21 JTC

Extraction Stop (time/date/initial): 1835 3.16.21 JTC

Acidified Sulfate Lot # DZ03-87P

S-Evap (time/date/initial): 0950 3/17/21 [illegible] S-Evap Thermometer ID: X-SVM-005

Temp as measured: 65 °C Correction factor: 0 °C Adjusted temp: 65 °C

Pipette (5 mL) Lot # 05420647

Derivatization Start (time/date/initial): 08:23 3/18/21 AA

Derivatization Stop (time/date/initial): 09:00 3/18/21 AA

Diazomethane Lot # D703-4566

Solvent Exchange to Iso-Octane (time/date/initial): 0900 3/18 [illegible] Iso-Octane Lot # DY719-US

N-Evap Thermometer ID: X-SVM-010

Temp as measured: 20 °C Correction factor: 0 °C Adjusted temp: 20 °C

Pipette (2 mL) Lot # 15420676

Filter (0.45 µm) (time/date/initial): ~~_____~~ Filter Lot # ~~_____~~

Vial: red Vial Storage: _____

Bench Sheet Review Check List	
☑	Hold times met; if no, reason:
☐	Prep date, time, method, department, product code correct
☐	Spike information and Q.C. correct (insufficient volume or mass recorded if no Q.C.)
☐	Weights/Volumes and units correct on raw and final bench sheets
☐	Sample IDs have been checked - bottle numbers appended if required
☐	Names present for: started by, completed by, relinquished by, and witnessed by
☐	Extract storage recorded
☐	Additional prep sheet completely filled out (NA or line out blanks)
☐	All clean-ups have been noted on additional prep sheet

ompleted: X 14:00 3/18/21 AA

1st JTC 03/23/21
2nd 4w 03/23/21

Validation Report

Data File: J:\GC34\DATA\031821\03180000012.D\
Lab ID: K2102458-001
RunType: N/A
Matrix: Water

Date Acquired: 3/18/21 20:09:10
Batch ID: 716732
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	
Duplicate 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	

Primary Review: _____

Printed: 3/19/21 9:56
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Secondary Review: _____

1st JTC 03/23/21
2nd 4w 03/23/21

Quantitation Report

Data File:	J:\GC34\DATA\031821\03180000012.D\	**Instrument:**	K-GC-34
Acqu Date:	3/18/21 20:09:10	**Vial:**	5
Run Type:	N/A	**Dilution:**	1
Lab ID:	K2102458-001	**Raw Units:**	ppb

Bottle ID:	K2102458-001.01	**Tier:**	IV	**Matrix:**	Water
Prod Code:	HERB	**Collect Date:**	3/9/21	**Receive Date:**	3/11/21

Analysis Lot:	716732	**Prep Lot:**	375839	**Report Group:**	K2102458
Analysis Method:	8151A	**Prep Method:**	Method		
		Prep Date:	3/16/21		

Title:	Chlorinated Herbicides by GC	**Calibration ID:**	KC2100138
		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	11.02	9.49	38094160	13981255	36.974	37.332	30	30	30	17 - 113	Y

Target Compounds

Final Conc.Units: ug/L

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	13.34 -0.01	11.49 -0.02	144251	260878	0.034	0.178	0.00065U	0.0034U	0.045 U	Y
2,4-D	12.32 +0.04	10.92 -0.03	554036	1127715	0.567	1.525	0.011U	0.029U	0.036 U	Y

Prep Amount:	1040.0000 mL	**Dilution:**	1
Prep Final Amount:	20.00 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: 3/19/21 9:56
\\alprews001\starlims$\LIMSReps\QuantValidation.rpt

1st JTC 03/23/21
2nd 03/23/21

Quantitation Report (QT Reviewed)

Data File : J:\GC34\DATA\031821\03180000012.D Vial: 10
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18-Mar-2021, 20:09:10 Operator: JTC
Sample : K2102458-001 Inst : GCI
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Mar 19 09:05:53 2021
Quant Results File: 031721_8151.RES

Quant Method : J:\GC34\METHODS\031721_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Mar 17 16:17:29 2021
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 0.32 mm Signal #2 Info : 0.32 mm

		Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb	
		System Monitoring Compounds							
2)	s	2,4-Dichl...	11.020	9.487	38094160	13981255	36.974	37.332	
		Target Compounds							
1)	m	Dalapon	5.673	0.000	6747058	0	6.899	N.D.	#
3)	m	Dicamba	0.000	9.657	0	1430562	N.D.	1.191	#
4)	m	MCPP	11.300	9.970f	4120714	265234	905.562	424908.868	#
5)	m	MCPA	11.567	10.263f	4406902	672097	645.427	190.837	#
6)	m	Dichloroprop	11.960	10.760	6739568	77372	7.084	0.222	#
7)	m	2,4-D	12.317	10.923	554036	1127715	0.567	1.525	#
8)	m	2,4,5-TP ...	13.343	11.490	144251	260878	0.034	0.178	#
9)	m	2,4,5-T	0.000	12.053	0	620814	N.D.	0.539	#
10)	m	2,4-DB	0.000	12.507f	0	60907	N.D.	0.408	#
11)	m	Dinoseb	14.497	12.387f	2110138	1159093	0.815	1.256	#

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

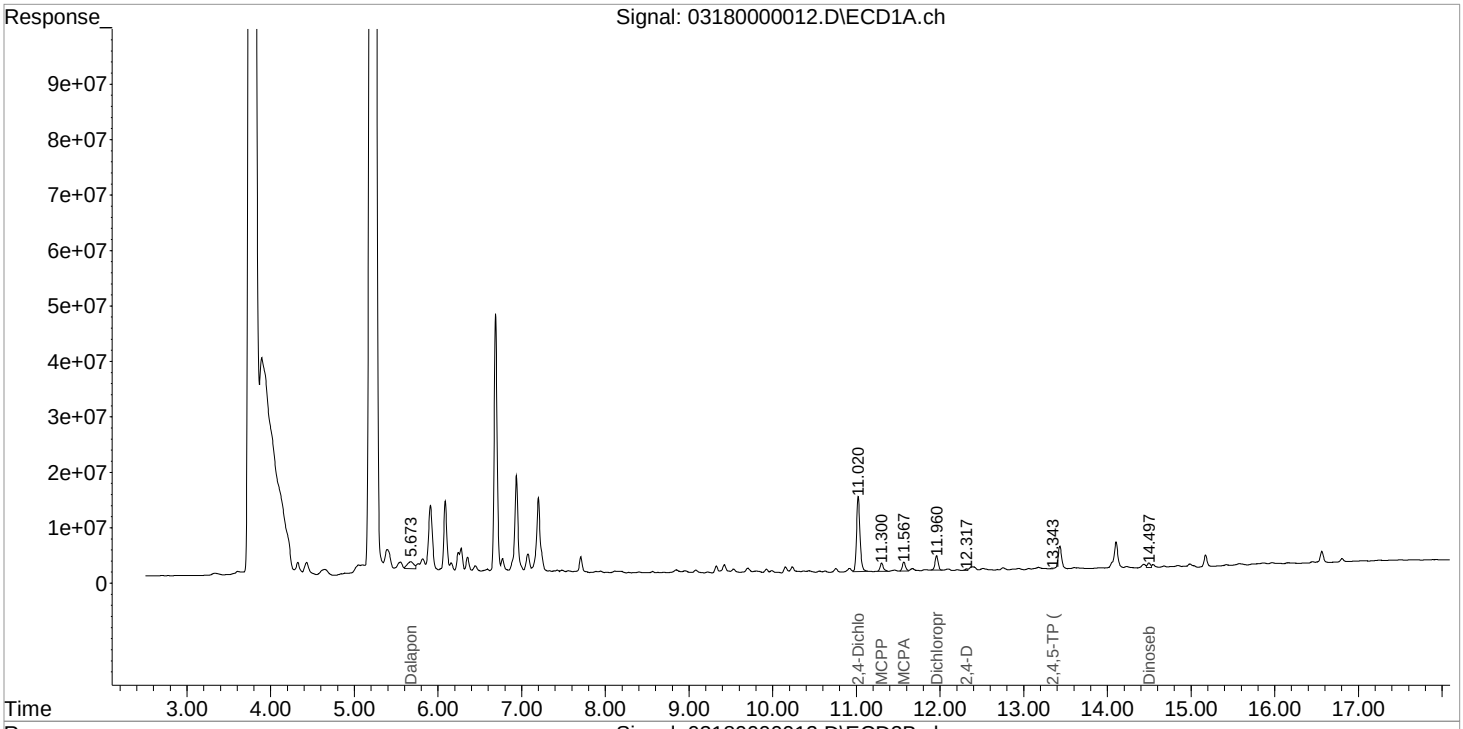
Quantitation Report (QT Reviewed)

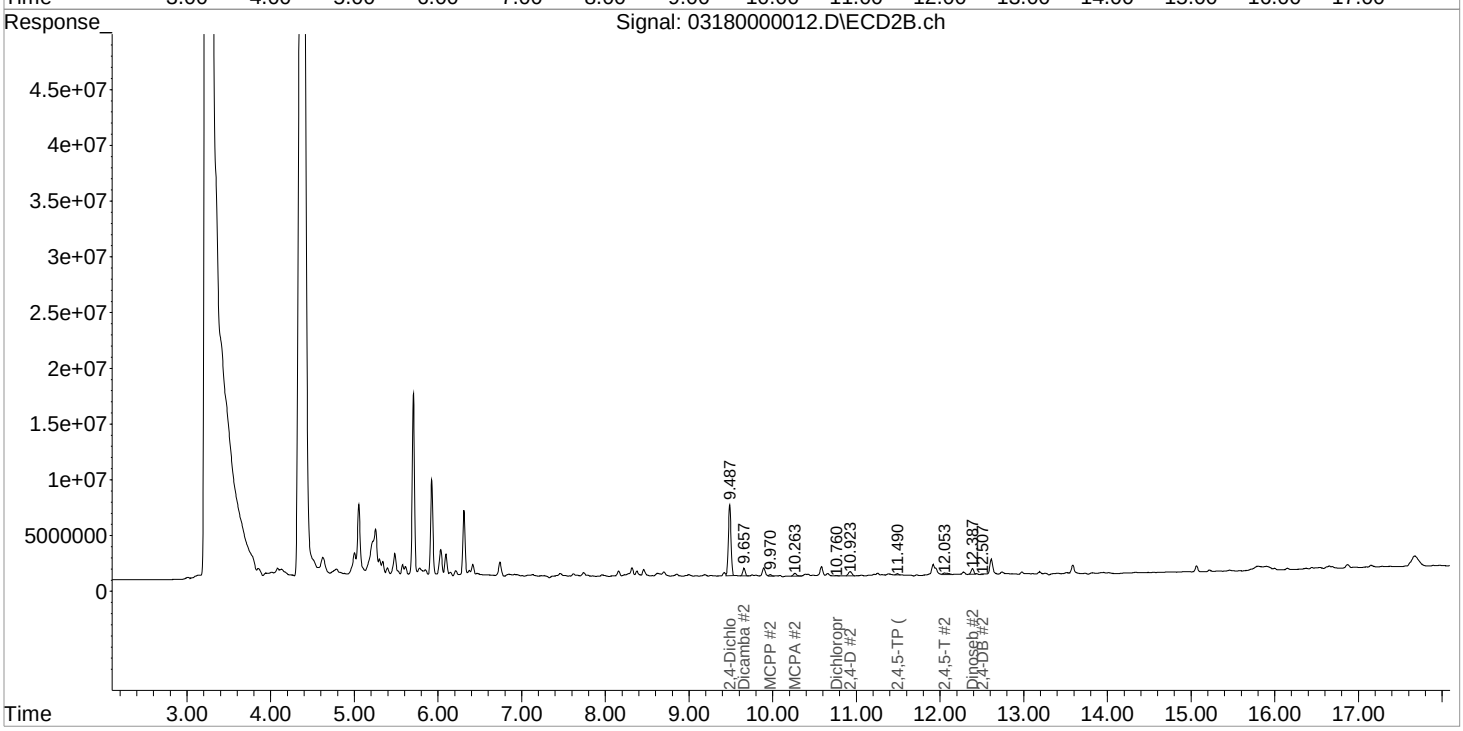
1st JTC 03/23/21
2nd 03/23/21

Data File : J:\GC34\DATA\031821\03180000012.D Vial: 10
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18-Mar-2021, 20:09:10 Operator: JTC
Sample : K2102458-001 Inst : GCI
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Mar 19 09:05:53 2021
Quant Results File: 031721_8151.RES

Quant Method : J:\GC34\METHODS\031721_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Mar 17 16:17:29 2021
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 0.32 mm Signal #2 Info : 0.32 mm





1st JTC 03/23/21
2nd 4w 03/23/21

Validation Report

Data File: J:\GC34\DATA\031821\03180000013.D\
Lab ID: K2102458-002
RunType: N/A
Matrix: Water

Date Acquired: 3/18/21 20:33:01
Batch ID: 716732
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	
Duplicate 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	

Primary Review: _____

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Secondary Review: _____

1st JTC 03/23/21
2nd 4w 03/23/21

Quantitation Report

Data File:	J:\GC34\DATA\031821\03180000013.D\	**Instrument:**	K-GC-34
Acqu Date:	3/18/21 20:33:01	**Vial:**	6
Run Type:	N/A	**Dilution:**	1
Lab ID:	K2102458-002	**Raw Units:**	ppb

Bottle ID:	K2102458-002.02	**Tier:**	IV	**Matrix:**	Water
Prod Code:	HERB	**Collect Date:**	3/9/21	**Receive Date:**	3/11/21

Analysis Lot:	716732	**Prep Lot:**	375839	**Report Group:**	K2102458
Analysis Method:	8151A	**Prep Method:**	Method		
		Prep Date:	3/16/21		

Title:	Chlorinated Herbicides by GC	**Calibration ID:**	KC2100138
		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	11.02	9.49	27781307	10377665	26.964	27.710	22	22	22	17 - 113	Y

Target Compounds

Final Conc.Units: ug/L

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	13.34 -0.01	11.49 -0.02	62189	182229	0.014	0.125	0.00026U	0.0024U	0.045 U	Y
2,4-D	12.32 +0.04	10.92 -0.03	690962	891280	0.707	1.206	0.013U	0.023U	0.036 U	Y

Prep Amount:	1060.0000 mL	**Dilution:**	1
Prep Final Amount:	20.00 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 JTC 03/23/21
2nd 03/23/21

Quantitation Report (QT Reviewed)

Data File : J:\GC34\DATA\031821\03180000013.D Vial: 11
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18-Mar-2021, 20:33:01 Operator: JTC
Sample : K2102458-002 Inst : GCI
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Mar 19 09:05:56 2021
Quant Results File: 031721_8151.RES

Quant Method : J:\GC34\METHODS\031721_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Mar 17 16:17:29 2021
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 0.32 mm Signal #2 Info : 0.32 mm

		Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb	
		System Monitoring Compounds							
2)	s	2,4-Dichl...	11.023	9.487	27781307	10377665	26.964	27.710	
		Target Compounds							
1)	m	Dalapon	5.700	0.000	1425303	0	1.457	N.D.	#
3)	m	Dicamba	0.000	9.657	0	1202241	N.D.	1.001	#
4)	m	MCPP	11.303	9.970f	3391831	231491	745.383	424924.748	#
5)	m	MCPA	11.567	10.263f	3241673	742479	474.770	210.822	#
6)	m	Dichloroprop	11.960	10.763	5870233	82553	6.170	0.237	#
7)	m	2,4-D	12.317	10.920	690962	891280	0.707	1.206	#
8)	m	2,4,5-TP ...	13.343	11.490	62189	182229	0.014	0.125	#
9)	m	2,4,5-T	13.690f	12.053	703219	350792	0.209	0.305	#
10)	m	2,4-DB	0.000	12.613f	0	2979520	N.D.	19.936	#
11)	m	Dinoseb	14.497	12.387f	814091	953569	0.315	1.033	#

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

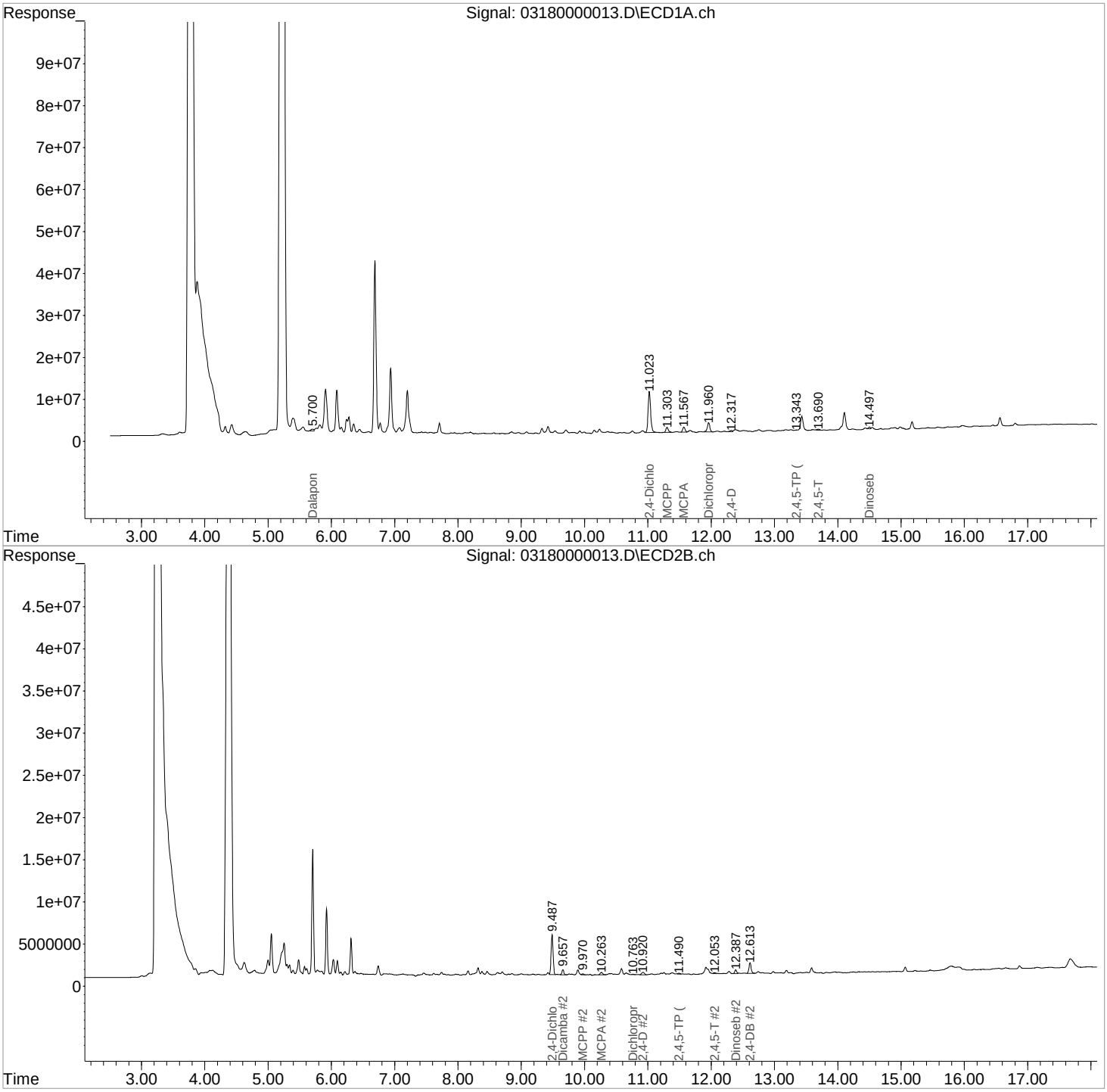
Quantitation Report (QT Reviewed)

1st JTC 03/23/21
2nd 03/23/21

Data File : J:\GC34\DATA\031821\03180000013.D Vial: 11
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18-Mar-2021, 20:33:01 Operator: JTC
Sample : K2102458-002 Inst : GCI
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Mar 19 09:05:56 2021
Quant Results File: 031721_8151.RES

Quant Method : J:\GC34\METHODS\031721_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Mar 17 16:17:29 2021
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 0.32 mm Signal #2 Info : 0.32 mm



1st JTC 03/23/21
2nd 4w 03/23/21

Validation Report

Data File: J:\GC34\DATA\031821\03180000005.D\
Lab ID: KQ2104211-01
RunType: MB
Matrix: Water

Date Acquired: 3/18/21 17:19:42
Batch ID: 716745
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	
Std MRL Unsupported by ICAL	X	
Above Highest ICAL Level	X	
Analyte Coelutions	X	

Primary Review: _____

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Secondary Review: _____

1st JTC 03/23/21
2nd 4w 03/23/21

Quantitation Report

Data File:	J:\GC34\DATA\031821\03180000005.D\	**Instrument:**	K-GC-34
Acqu Date:	3/18/21 17:19:42	**Vial:**	9
Run Type:	MB	**Dilution:**	1
Lab ID:	KQ2103959-07	**Raw Units:**	ppb

Bottle ID:		**Tier:**	IV	**Matrix:**	Water
Prod Code:	HERB	**Collect Date:**	3/9/21	**Receive Date:**	3/11/21

Analysis Lot:	716732	**Prep Lot:**	375839	**Report Group:**	KQ2103959
Analysis Method:	8151A	**Prep Method:**	Method		
		Prep Date:	3/16/21		

Title:	Chlorinated Herbicides by GC	**Calibration ID:**	KC2100138
		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	11.03 +0.01	9.49	31242807	11578247	30.324	30.916	24	25	24	17 - 113	Y

Target Compounds

Final Conc.Units: ug/L

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	13.30 -0.05	0.00	74503	0	0.017	0.000	0.00034U	0U	0.045 U	Y
2,4-D	12.32 +0.04	10.92 -0.03	901043	892137	0.921	1.207	0.018U	0.024U	0.036 U	Y

Prep Amount:	1000 mL	**Dilution:**	1
Prep Final Amount:	20.00 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 JTC 03/23/21
2nd 03/23/21

Data File : J:\GC34\DATA\031821\03180000005.D Vial: 3
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18-Mar-2021, 17:19:42 Operator: JTC
Sample : KQ2103959-07 MB Inst : GCI
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Mar 19 10:42:31 2021
Quant Results File: 031721_8151.RES

Quant Method : J:\GC34\METHODS\031721_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Mar 17 16:17:29 2021
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 0.32 mm Signal #2 Info : 0.32 mm

		Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb	
		System Monitoring Compounds							
2)	s	2,4-Dichl...	11.027	9.490	31242807	11578247	30.324	30.916	
		Target Compounds							
1)	m	Dalapon	5.677	4.883f	2077418	68420	2.124	0.144	#
3)	m	Dicamba	0.000	9.660	0	1148026	N.D.	0.956	#
4)	m	MCPP	11.307	0.000	2929363	0	643.752	N.D.	d#
5)	m	MCPA	11.573	10.270f	3206129	972346	469.564	276.091	#
6)	m	Dichloroprop	11.963	10.767	5152696	138549	5.416	0.398	#
7)	m	2,4-D	12.323f	10.923	901043	892137	0.921	1.207	#
8)	m	2,4,5-TP ...	13.297f	0.000	74503	0	0.017	N.D.	#
9)	m	2,4,5-T	0.000	12.023f	0	645461	N.D.	0.561	#
10)	m	2,4-DB	14.280f	12.617f	1289828	2399044	2.955	16.052	#
11)	m	Dinoseb	14.443f	12.477f	570396	90060	0.220	0.098	#

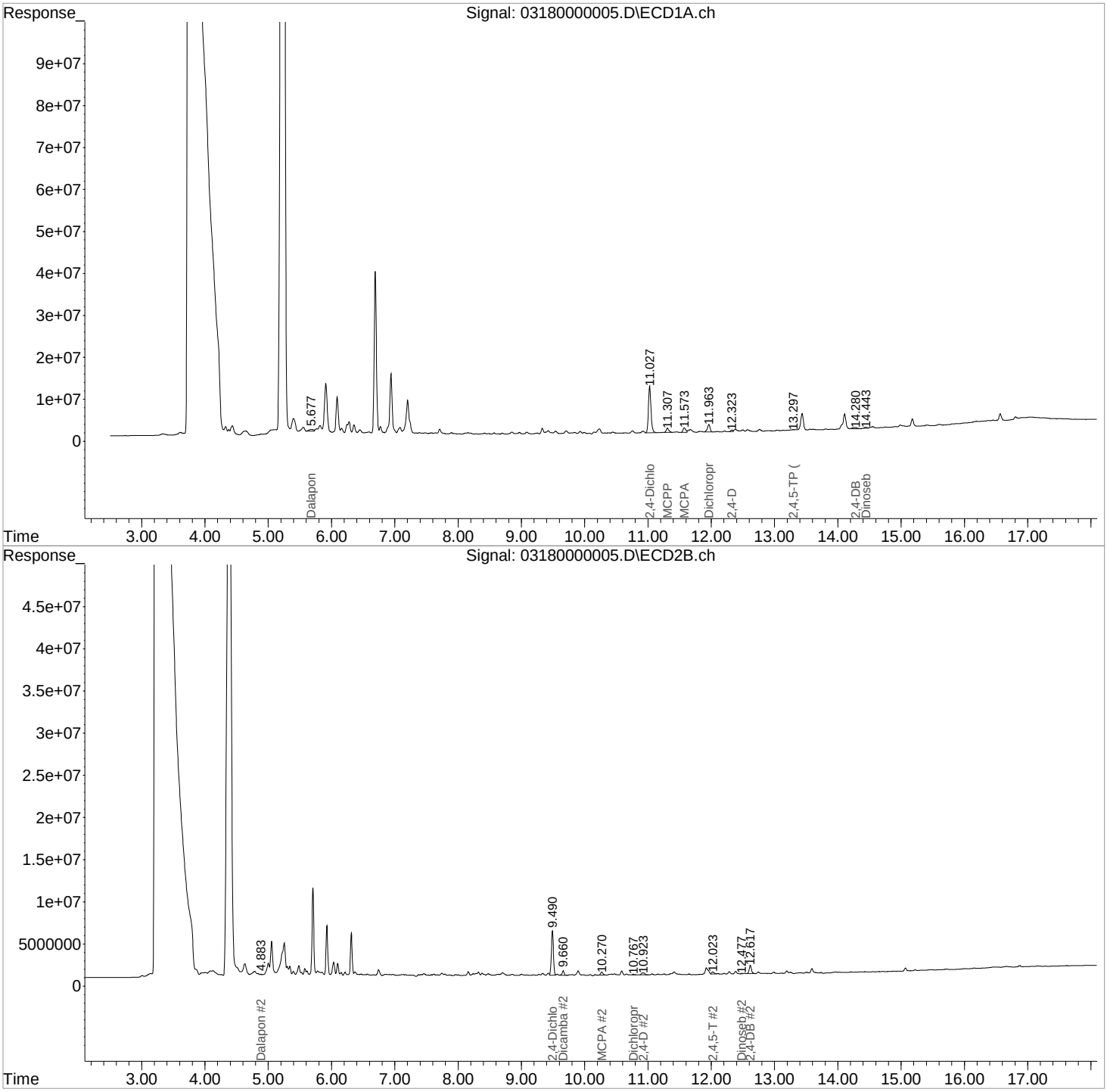
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

1st JTC 03/23/21
2nd 03/23/21

Data File : J:\GC34\DATA\031821\03180000005.D Vial: 3
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18-Mar-2021, 17:19:42 Operator: JTC
Sample : KQ2103959-07 MB Inst : GCI
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Mar 19 10:42:31 2021
Quant Results File: 031721_8151.RES

Quant Method : J:\GC34\METHODS\031721_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Mar 17 16:17:29 2021
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 0.32 mm Signal #2 Info : 0.32 mm

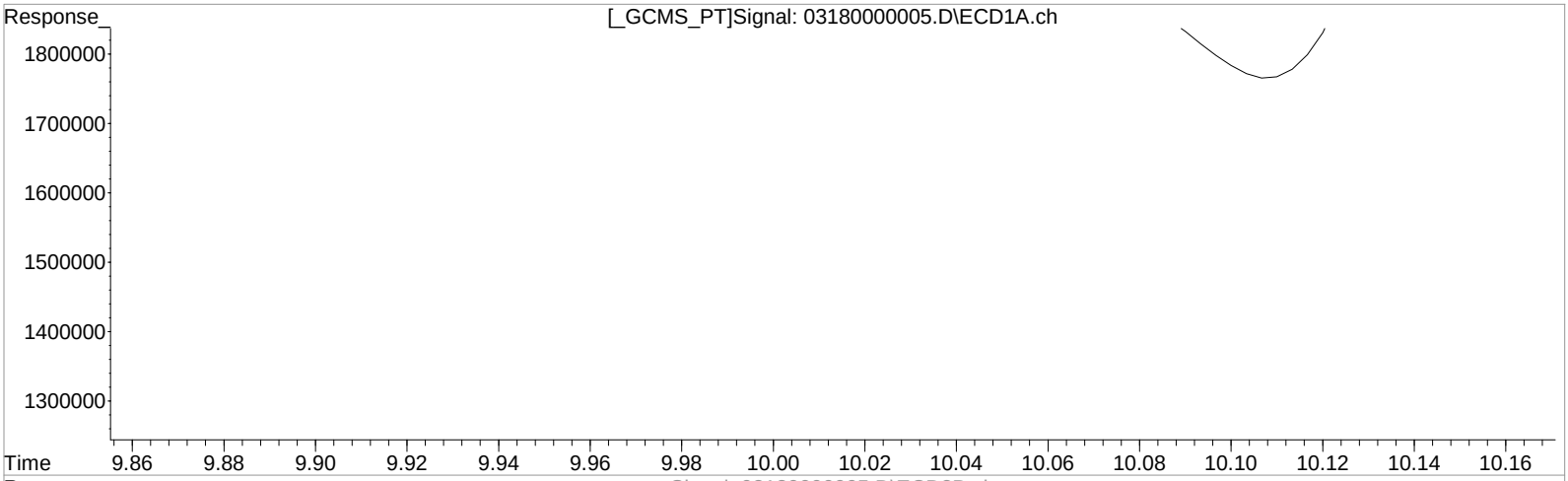


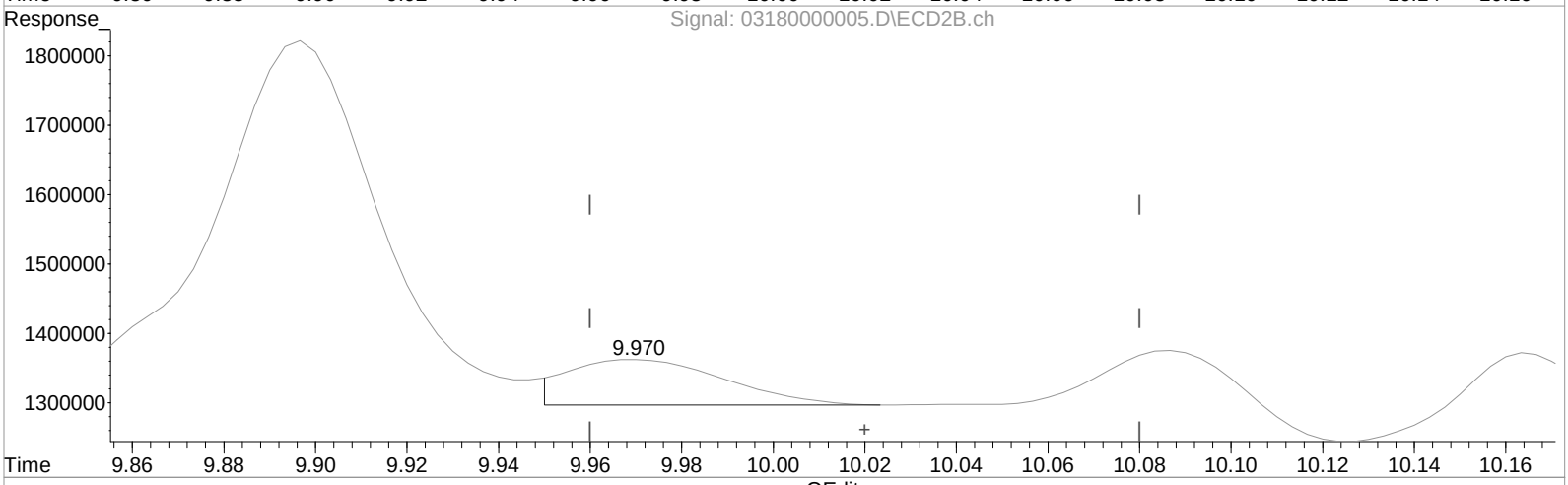
1st JTC 03/23/21
2nd 03/23/21

Data File : J:\GC34\DATA\031821\03180000005.D Vial: 3
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18-Mar-2021, 17:19:42 Operator: JTC
Sample : KQ2103959-07 MB Inst : GCI
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Mar 19 09:01:46 2021
Quant Results File: 031721_8151.RES

Quant Method : J:\GC34\METHODS\031721_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Mar 17 16:17:29 2021
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 0.32 mm Signal #2 Info : 0.32 mm





QEdit

(4) MCPP (m)

11.307min 643.752 ppb

response 2929363

Manual Integration:

Before

03/19/21

(4) MCPP #2 (m)

9.970min 424962.234 ppb

response 151831

(+) = Expected Retention Time

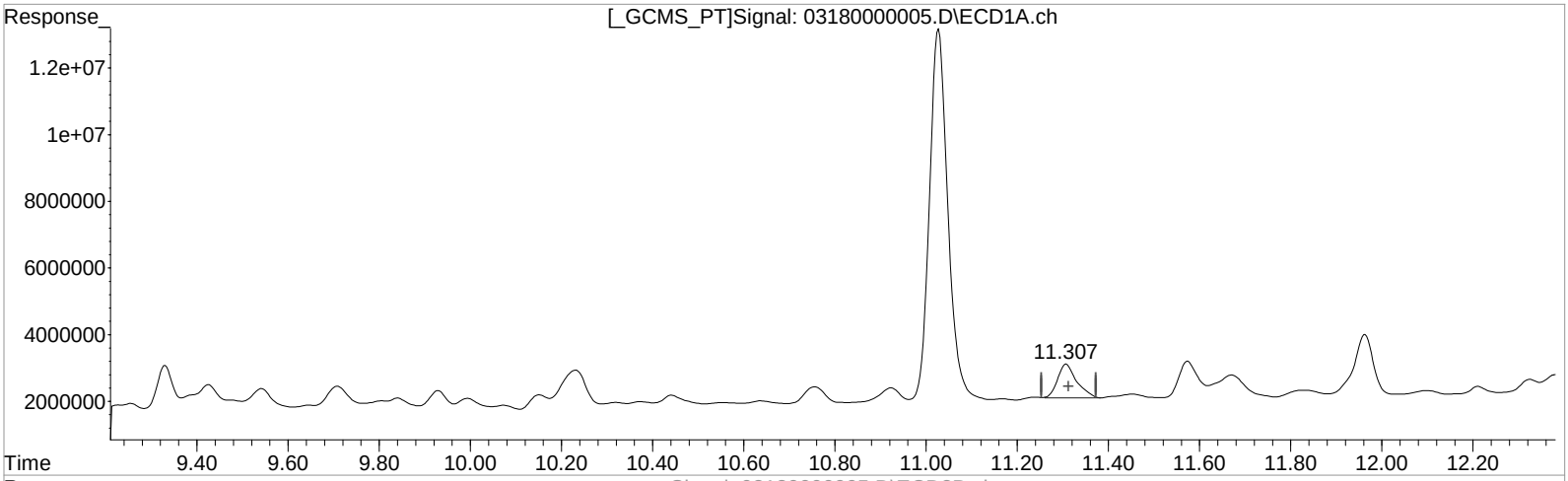
Quantitation Report (Qedit)

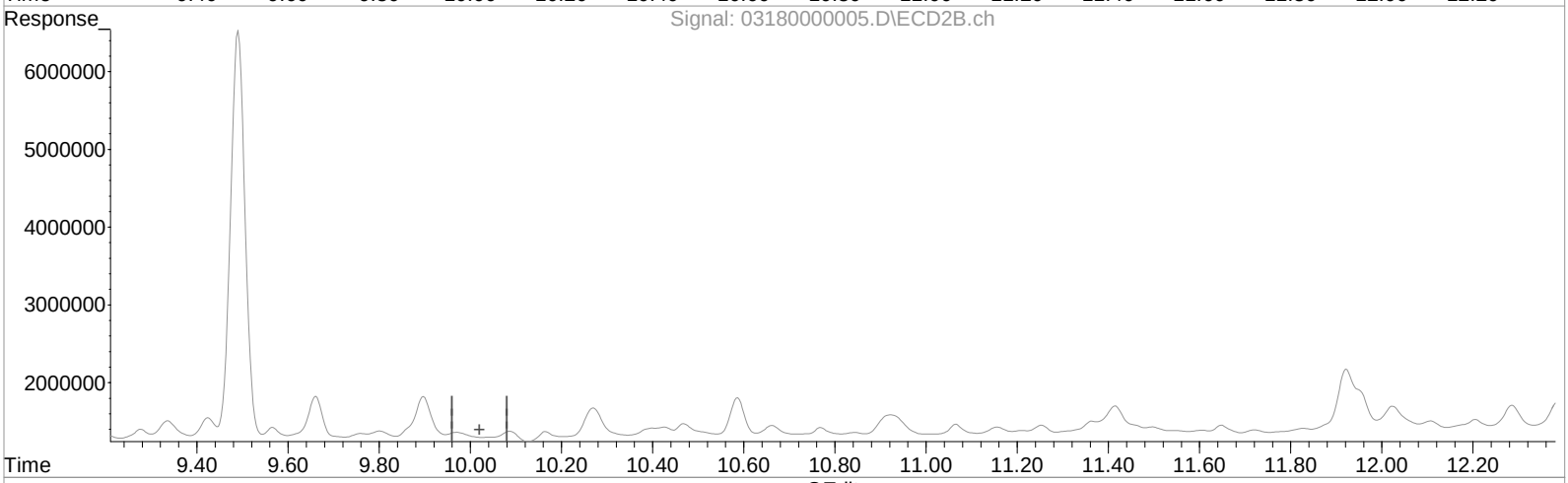
1st JTC 03/23/21
2nd 03/23/21

Data File : J:\GC34\DATA\031821\03180000005.D Vial: 3
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18-Mar-2021, 17:19:42 Operator: JTC
Sample : KQ2103959-07 MB Inst : GCI
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Mar 19 09:01:46 2021
Quant Results File: 031721_8151.RES

Quant Method : J:\GC34\METHODS\031721_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Mar 17 16:17:29 2021
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 0.32 mm Signal #2 Info : 0.32 mm





QEdit

(4) MCPP (m)

11.307min 643.752 ppb

response 2929363

Manual Integration:

After

Quad Error

03/19/21

(4) MCPP #2 (m)

0.000min 0.000 ppb d

response 0

(+) = Expected Retention Time

1st JTC 03/23/21
2nd 4w 03/23/21

Validation Report

Data File: J:\GC34\DATA\031821\03180000010.D\
Lab ID: KQ2103959-01
RunType: LCS
Matrix: Water

Date Acquired: 3/18/21 19:20:50
Batch ID: 716732
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	

Primary Review: _____

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Secondary Review: _____

1st JTC 03/23/21
2nd 4w 03/23/21

Quantitation Report

Data File:	J:\GC34\DATA\031821\03180000010.D\	**Instrument:**	K-GC-34
Acqu Date:	3/18/21 19:20:50	**Vial:**	7
Run Type:	LCS	**Dilution:**	1
Lab ID:	KQ2103959-01	**Raw Units:**	ppb

Bottle ID:		**Tier:**	IV	**Matrix:**	Water
Prod Code:	HERB	**Collect Date:**	3/9/21	**Receive Date:**	3/11/21

Analysis Lot:	716732	**Prep Lot:**	375839	**Report Group:**	KQ2103959
Analysis Method:	8151A	**Prep Method:**	Method		
		Prep Date:	3/16/21		

Title:	Chlorinated Herbicides by GC	**Calibration ID:**	KC2100138
		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	11.02	9.49	47524563	17760549	46.127	47.424	37	38	37	17 - 113	Y

Target Compounds

Final Conc.Units: ug/L

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	13.35	11.51	365738478	124058704	85.248	84.807	1.70	1.70	**1.70**	Y
2,4-D	12.28	10.95	75577261	47628473	77.281	64.426	1.55	1.29	**1.29**	Y

Prep Amount:	1000 mL	**Dilution:**	1
Prep Final Amount:	20.00 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: 3/19/21 9:56
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1st JTC 03/23/21
2nd 03/23/21

Quantitation Report (QT Reviewed)

Data File : J:\GC34\DATA\031821\03180000010.D Vial: 8
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18-Mar-2021, 19:20:50 Operator: JTC
Sample : KQ2103959-01 LCS Inst : GCI
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Mar 19 09:05:47 2021
Quant Results File: 031721_8151.RES

Quant Method : J:\GC34\METHODS\031721_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Mar 17 16:17:29 2021
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 0.32 mm Signal #2 Info : 0.32 mm

		Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb	
		System Monitoring Compounds							
2)	s	2,4-Dichl...	11.023	9.487	47524563	17760549	46.127	47.424	
		Target Compounds							
1)	m	Dalapon	5.687	4.840	84671944	43333276	86.574	91.304	
3)	m	Dicamba	11.153	9.670	265.6E6	98670899	80.789	82.170	
4)	m	MCPP	11.307	10.017	31644097	18357439	6954.056	8064.330	
5)	m	MCPA	11.560	10.313	41651708	22914782	6100.236	6506.499	
6)	m	Dichloroprop	11.980	10.757	74151862	27736299	77.936	79.678	
7)	m	2,4-D	12.283	10.947	75577261	47628473	77.281	64.426	
8)	m	2,4,5-TP ...	13.350	11.513	365.7E6	124.1E6	85.248	84.807	
9)	m	2,4,5-T	13.730	12.053	283.2E6	125.4E6	83.995	108.898	#
10)	m	2,4-DB	14.330	12.543	19527744	19570101	44.743	130.944	#
11)	m	Dinoseb	14.480	12.440	185.2E6	82369660	71.579	89.254	

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

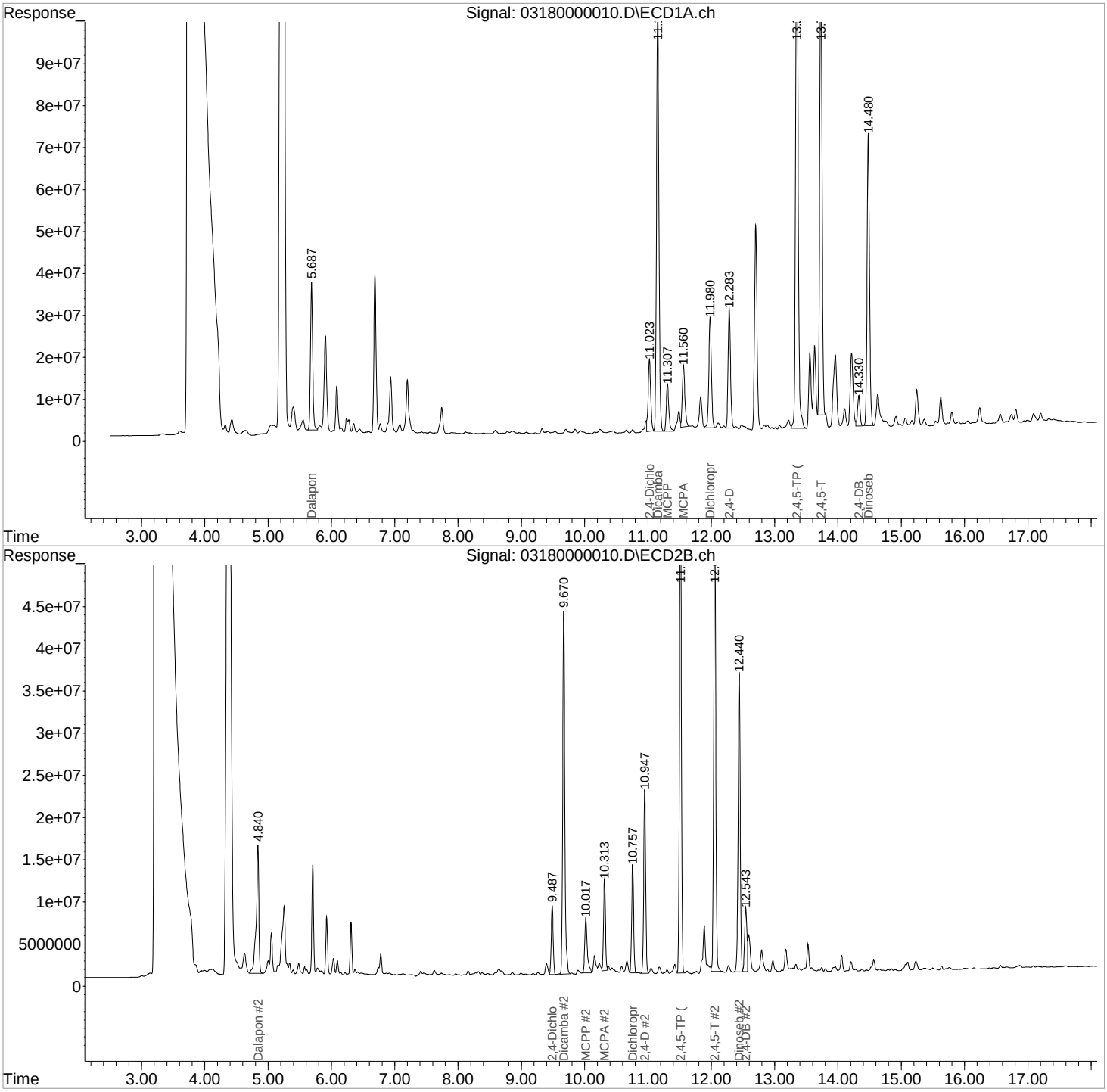
Quantitation Report (QT Reviewed)

1st JTC 03/23/21
2nd 03/23/21

Data File : J:\GC34\DATA\031821\03180000010.D Vial: 8
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18-Mar-2021, 19:20:50 Operator: JTC
Sample : KQ2103959-01 LCS Inst : GCI
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Mar 19 09:05:47 2021
Quant Results File: 031721_8151.RES

Quant Method : J:\GC34\METHODS\031721_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Mar 17 16:17:29 2021
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 0.32 mm Signal #2 Info : 0.32 mm



1st JTC 03/23/21
2nd 4w 03/23/21

Validation Report

Data File: J:\GC34\DATA\031821\03180000011.D\
Lab ID: KQ2103959-02
RunType: DLCS
Matrix: Water

Date Acquired: 3/18/21 19:45:14
Batch ID: 716732
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	

Primary Review: _____

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Secondary Review: _____

1st JTC 03/23/21
2nd 4w 03/23/21

Quantitation Report

Data File:	J:\GC34\DATA\031821\03180000011.D\	**Instrument:**	K-GC-34
Acqu Date:	3/18/21 19:45:14	**Vial:**	8
Run Type:	DLCS	**Dilution:**	1
Lab ID:	KQ2103959-02	**Raw Units:**	ppb

Bottle ID:		**Tier:**	IV	**Matrix:**	Water
Prod Code:	HERB	**Collect Date:**	3/9/21	**Receive Date:**	3/11/21

Analysis Lot:	716732	**Prep Lot:**	375839	**Report Group:**	KQ2103959
Analysis Method:	8151A	**Prep Method:**	Method		
		Prep Date:	3/16/21		

Title:	Chlorinated Herbicides by GC	**Calibration ID:**	KC2100138
		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	11.02	9.49	58596642	18548741	56.874	49.528	45	40	40	17 - 113	Y

Target Compounds

Final Conc.Units: ug/L

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	13.35	11.51	392558514	128878882	91.499	88.103	1.83	1.76	**1.76**	Y
2,4-D	12.28	10.95	83010431	50513013	84.881	68.328	1.70	1.37	**1.37**	Y

Prep Amount:	1000 mL	**Dilution:**	1
Prep Final Amount:	20.00 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 JTC 03/23/21
2nd 03/23/21

Quantitation Report (QT Reviewed)

Data File : J:\GC34\DATA\031821\03180000011.D Vial: 9
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18-Mar-2021, 19:45:14 Operator: JTC
Sample : KQ2103959-02 DLCS Inst : GCI
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Mar 19 09:05:50 2021
Quant Results File: 031721_8151.RES

Quant Method : J:\GC34\METHODS\031721_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Mar 17 16:17:29 2021
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 0.32 mm Signal #2 Info : 0.32 mm

		Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb	
		System Monitoring Compounds							
2)	s	2,4-Dichl...	11.020	9.487	58596642	18548741	56.874	49.528	
		Target Compounds							
1)	m	Dalapon	5.687	4.837	85705438	43449079	87.631	91.548	
3)	m	Dicamba	11.150	9.667	282.9E6	104.2E6	86.046	86.749	
4)	m	MCPP	11.307	10.017	34537281	18507621	7589.858	8138.036	
5)	m	MCPA	11.560	10.310	44292577	25285064	6487.013	7179.524	
6)	m	Dichloroprop	11.980	10.757	80265875	29219048	84.362	83.938	
7)	m	2,4-D	12.280	10.947	83010431	50513013	84.881	68.328	
8)	m	2,4,5-TP ...	13.350	11.510	392.6E6	128.9E6	91.499	88.103	
9)	m	2,4,5-T	13.730	12.053	330.7E6	129.0E6	98.058	112.035	
10)	m	2,4-DB	14.330	12.540	20282658	19251622	46.473	128.813	#
11)	m	Dinoseb	14.480	12.440	206.3E6	84576841	79.716	91.646	

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

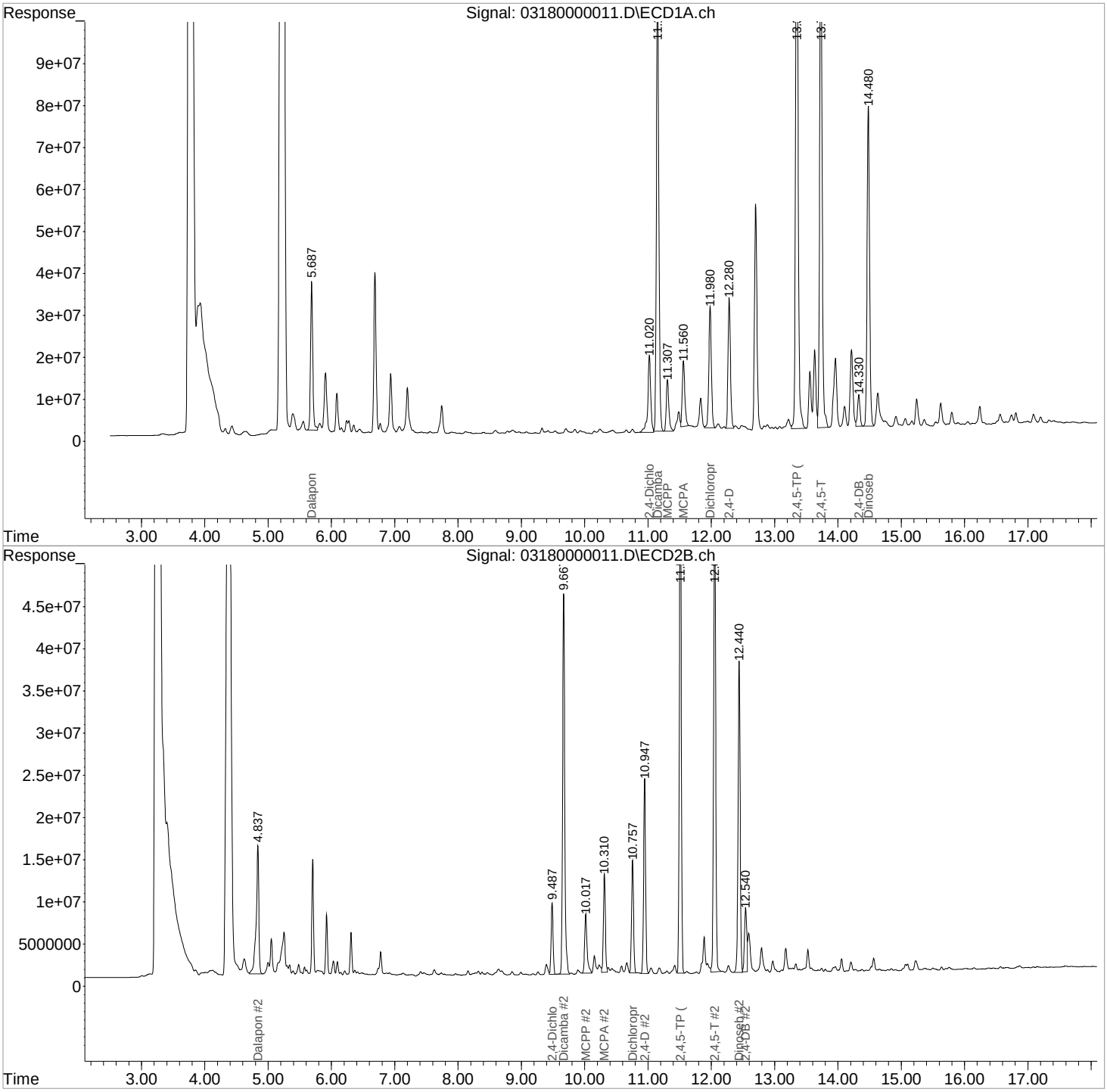
Quantitation Report (QT Reviewed)

1st JTC 03/23/21
2nd 03/23/21

Data File : J:\GC34\DATA\031821\03180000011.D Vial: 9
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18-Mar-2021, 19:45:14 Operator: JTC
Sample : KQ2103959-02 DLCS Inst : GCI
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Mar 19 09:05:50 2021
Quant Results File: 031721_8151.RES

Quant Method : J:\GC34\METHODS\031721_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Mar 17 16:17:29 2021
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 0.32 mm Signal #2 Info : 0.32 mm



1st JTC 03/23/21
2nd 4w 03/23/21

Validation Report

Data File: J:\GC34\DATA\031821\03180000004.D\
Lab ID: KQ2104211-03
RunType: CCB
Matrix: Water

Date Acquired: 3/18/21 16:55:17
Batch ID: 716745
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	

Primary Review: _____

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Secondary Review: _____

1st JTC 03/23/21
2nd 4w 03/23/21

Quantitation Report

Data File:	J:\GC34\DATA\031821\03180000004.D\	**Instrument:**	K-GC-34
Acqu Date:	3/18/21 16:55:17	**Vial:**	2
Run Type:	CCB	**Dilution:**	1
Lab ID:	KQ2104200-02	**Raw Units:**	ppb

Bottle ID:		**Tier:**	IV	**Matrix:**	Water
Prod Code:	HERB	**Collect Date:**	3/9/21	**Receive Date:**	3/11/21

Analysis Lot:	716732	**Prep Lot:**		**Report Group:**	KQ2104200
Analysis Method:	8151A	**Prep Method:**			
		Prep Date:			

Title:	Chlorinated Herbicides by GC	**Calibration ID:**	KC2100138
		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	11.04 +0.02	0.00	1659464	0	1.611	0.000				17 - 113	Y

Target Compounds

Final Conc.Units: ug/L

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	13.30 -0.05	0.00	1381359	0	0.322	0.000	0.0064U	0U	0.045 U	Y
2,4-D	0.00	10.94 -0.01	0	255664	0.000	0.346	0U	0.0069U	0.036 U	Y

Prep Amount:	1000 mL	**Dilution:**	1
Prep Final Amount:	20.00 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 JTC 03/23/21
2nd 03/23/21

Data File : J:\GC34\DATA\031821\03180000004.D Vial: 2
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18-Mar-2021, 16:55:17 Operator: JTC
Sample : IB Inst : GCI
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Mar 19 08:59:09 2021
Quant Results File: 031721_8151.RES

Quant Method : J:\GC34\METHODS\031721_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Mar 17 16:17:29 2021
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 0.32 mm Signal #2 Info : 0.32 mm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb	
	System Monitoring Compounds							
2) s	2,4-Dichl...	11.040	0.000	1659464	0	1.611	N.D.	#
	Target Compounds							
1) m	Dalapon	0.000	4.887f	0	213861	N.D.	0.451	#
3) m	Dicamba	0.000	0.000	0	0	N.D.	N.D.	
4) m	MCPP	11.337	0.000	1504257	0	330.573	N.D.	#
5) m	MCPA	0.000	10.270f	0	765873	N.D.	217.464	#
6) m	Dichloroprop	0.000	10.770	0	582459	N.D.	1.673	#
7) m	2,4-D	0.000	10.937	0	255664	N.D.	0.346	#
8) m	2,4,5-TP ...	13.300f	0.000	1381359	0	0.322	N.D.	#
9) m	2,4,5-T	0.000	0.000	0	0	N.D.	N.D.	
10) m	2,4-DB	14.290f	0.000	1350083	0	3.093	N.D.	#
11) m	Dinoseb	14.523f	12.480f	1165755	403832	0.450	0.438	

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

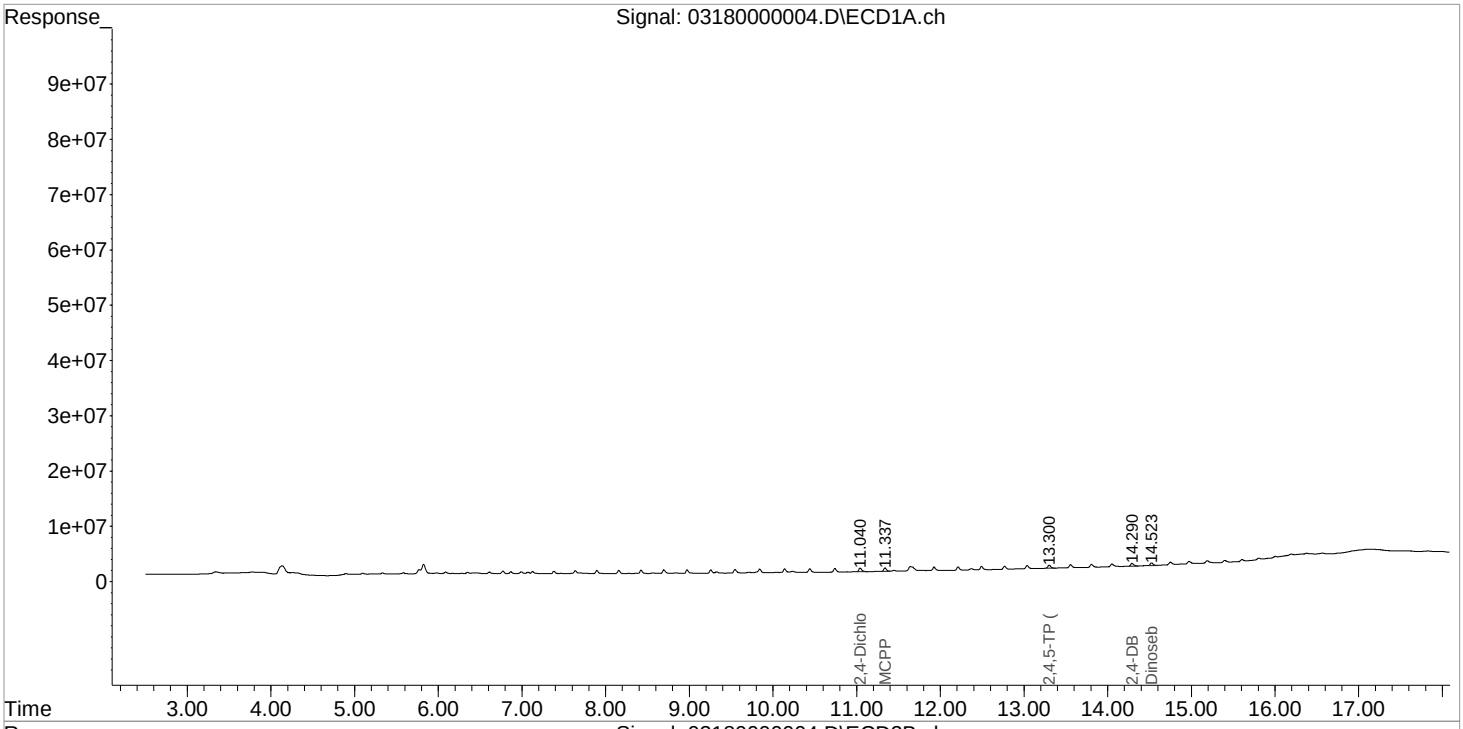
Quantitation Report (QT Reviewed)

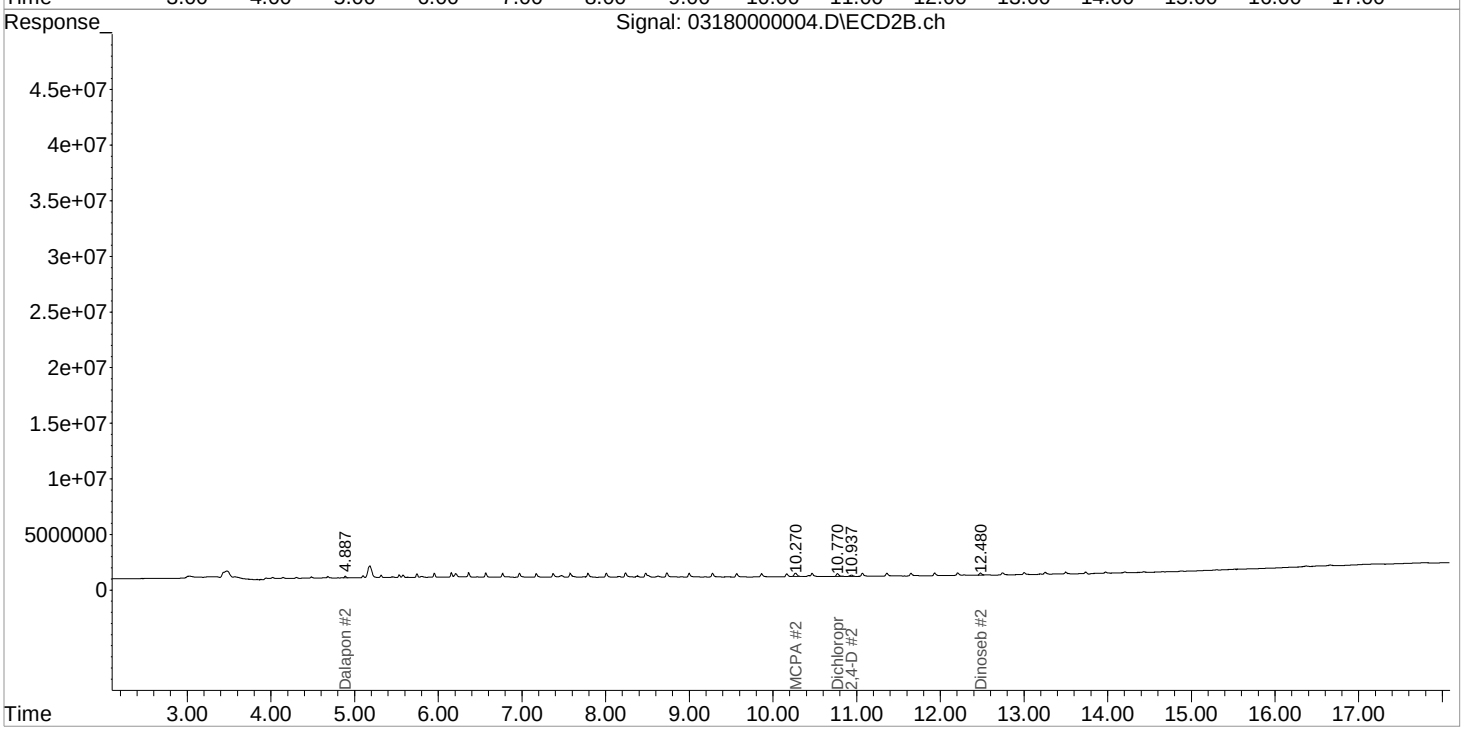
1st JTC 03/23/21
2nd 03/23/21

Data File : J:\GC34\DATA\031821\03180000004.D Vial: 2
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18-Mar-2021, 16:55:17 Operator: JTC
Sample : IB Inst : GCI
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Mar 19 08:59:09 2021
Quant Results File: 031721_8151.RES

Quant Method : J:\GC34\METHODS\031721_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Mar 17 16:17:29 2021
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 0.32 mm Signal #2 Info : 0.32 mm





1st JTC 03/23/21
2nd 4w 03/23/21

Validation Report

Data File: J:\GC34\DATA\031821\03180000015.D\
Lab ID: KQ2104211-05
RunType: CCB
Matrix: Water

Date Acquired: 3/18/21 21:21:18
Batch ID: 716745
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	

Primary Review: _____

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Secondary Review: _____

1st JTC 03/23/21
2nd [illegible] 03/23/21

Quantitation Report

Data File:	J:\GC34\DATA\031821\03180000015.D\	**Instrument:**	K-GC-34
Acqu Date:	3/18/21 21:21:18	**Vial:**	4
Run Type:	CCB	**Dilution:**	1
Lab ID:	KQ2104200-04	**Raw Units:**	ppb

Bottle ID:		**Tier:**	IV	**Matrix:**	Water
Prod Code:	HERB	**Collect Date:**	3/9/21	**Receive Date:**	3/11/21

Analysis Lot:	716732	**Prep Lot:**		**Report Group:**	KQ2104200
Analysis Method:	8151A	**Prep Method:**			
		Prep Date:			

Title:	Chlorinated Herbicides by GC	**Calibration ID:**	KC2100138
		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	11.04 +0.02	0.00	440853	0	0.428	0.000				17 - 113	Y

Target Compounds

Final Conc.Units: ug/L

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	0.00	0.00	0	0	0.000	0.000	0U	0U	0.045 U	Y
2,4-D	0.00	10.93 -0.02	0	214810	0.000	0.291	0U	0.0058U	0.036 U	Y

Prep Amount:	1000 mL	**Dilution:**	1
Prep Final Amount:	20.00 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 JTC 03/23/21
2nd 03/23/21

Data File : J:\GC34\DATA\031821\03180000015.D Vial: 2
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18-Mar-2021, 21:21:18 Operator: JTC
Sample : IB Inst : GCI
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Mar 19 08:59:15 2021
Quant Results File: 031721_8151.RES

Quant Method : J:\GC34\METHODS\031721_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Mar 17 16:17:29 2021
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 0.32 mm Signal #2 Info : 0.32 mm

		Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb	
		System Monitoring Compounds							
2)	s	2,4-Dichl...	11.043	0.000	440853	0	0.428	N.D.	#
		Target Compounds							
1)	m	Dalapon	0.000	4.887f	0	37228	N.D.	0.078	#
3)	m	Dicamba	0.000	0.000	0	0	N.D.	N.D.	
4)	m	MCPP	11.333	0.000	199614	0	43.867	N.D.	#
5)	m	MCPA	0.000	10.267f	0	426556	N.D.	121.118	#
6)	m	Dichloroprop	0.000	10.763	0	61527	N.D.	0.177	#
7)	m	2,4-D	0.000	10.933	0	214810	N.D.	0.291	#
8)	m	2,4,5-TP ...	0.000	0.000	0	0	N.D.	N.D.	
9)	m	2,4,5-T	0.000	0.000	0	0	N.D.	N.D.	
10)	m	2,4-DB	14.283f	0.000	148543	0	0.340	N.D.	#
11)	m	Dinoseb	0.000	12.473f	0	50147	N.D.	0.054	#

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

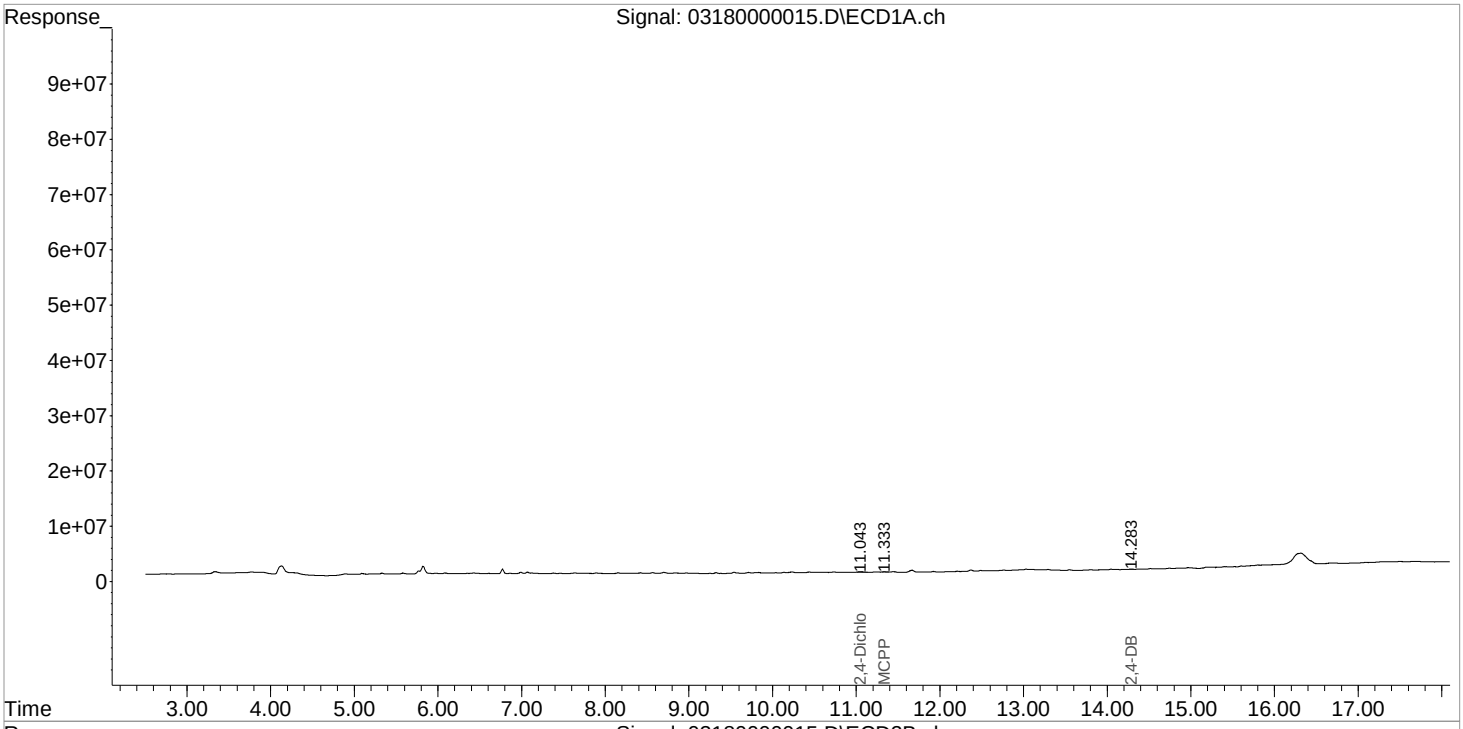
Quantitation Report (QT Reviewed)

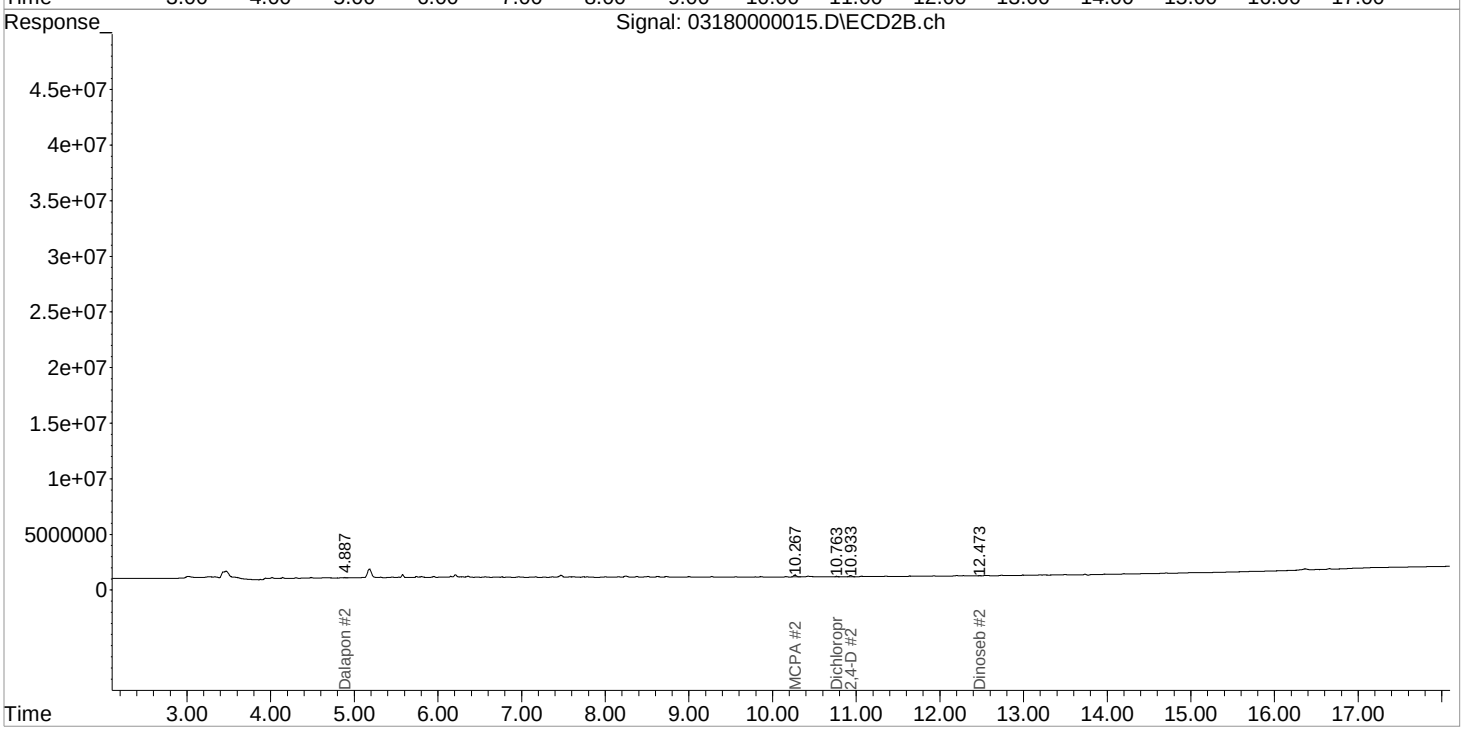
1st JTC 03/23/21
2nd 03/23/21

Data File : J:\GC34\DATA\031821\03180000015.D Vial: 2
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18-Mar-2021, 21:21:18 Operator: JTC
Sample : IB Inst : GCI
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Mar 19 08:59:15 2021
Quant Results File: 031721_8151.RES

Quant Method : J:\GC34\METHODS\031721_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Mar 17 16:17:29 2021
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 0.32 mm Signal #2 Info : 0.32 mm





1st JTC 03/23/21
2nd [illegible] 03/23/21

Validation Report

Data File: J:\GC34\DATA\031821\03180000003.D\
Lab ID: KQ2104211-02
RunType: CCV
Matrix: Water

Date Acquired: 3/18/21 16:31:20
Batch ID: 716745
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 JTC 03/23/21
2nd 4w 03/23/21

Quantitation Report

Data File:	J:\GC34\DATA\031821\03180000003.D\	**Instrument:**	K-GC-34
Acqu Date:	3/18/21 16:31:20	**Vial:**	1
Run Type:	CCV	**Dilution:**	1
Lab ID:	KQ2104200-01	**Raw Units:**	ppb

Bottle ID:		**Tier:**	IV	**Matrix:**	Water
Prod Code:	HERB	**Collect Date:**	3/9/21	**Receive Date:**	3/11/21

Analysis Lot:	716732	**Prep Lot:**		**Report Group:**	KQ2104200
Analysis Method:	8151A	**Prep Method:**			
		Prep Date:			

Title:	Chlorinated Herbicides by GC	**Calibration ID:**	KC2100138
		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	Rpt?
DCAA	11.02	9.49	90923456	32399384	88.250	86.512			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-TP	13.35	11.51	406334856	139809002	94.710	95.574	94.7	95.6	Y
2,4-D	12.28	10.95	90606399	68150588	92.648	92.187	92.6	92.2	Y

Prep Amount:	1000 mL	**Dilution:**	1
Prep Final Amount:	20.00 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 JTC 03/23/21
2nd 03/23/21

Data File : J:\GC34\DATA\031821\03180000003.D Vial: 1
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18-Mar-2021, 16:31:20 Operator: JTC
Sample : PENTA02-24J-100PPB Inst : GCI
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Mar 19 08:59:07 2021
Quant Results File: 031721_8151.RES

Quant Method : J:\GC34\METHODS\031721_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Mar 17 16:17:29 2021
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 0.32 mm Signal #2 Info : 0.32 mm

		Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
		System Monitoring Compounds						
2)	s	2,4-Dichl...	11.023	9.487	90923456	32399384	88.250	86.512
		Target Compounds						
1)	m	Dalapon	5.690	4.843	87653395	40735093	89.623	85.829
3)	m	Dicamba	11.153	9.670	310.1E6	111.1E6	94.332	92.544
4)	m	MCPP	11.310	10.020	39210587	21445710	8616.856	9585.379
5)	m	MCPA	11.560	10.313	59908041	31755161	8774.026	9016.665
6)	m	Dichloroprop	11.983	10.757	87649775	31981735	92.123	91.874
7)	m	2,4-D	12.283	10.950	90606399	68150588	92.648	92.187
8)	m	2,4,5-TP ...	13.350	11.513	406.3E6	139.8E6	94.710	95.574
9)	m	2,4,5-T	13.730	12.057	320.1E6	109.8E6	94.922	95.362
10)	m	2,4-DB	14.330	12.553	40732791	13806577	93.330	92.380
11)	m	Dinoseb	14.480	12.443	239.1E6	83630900	92.400	90.621

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

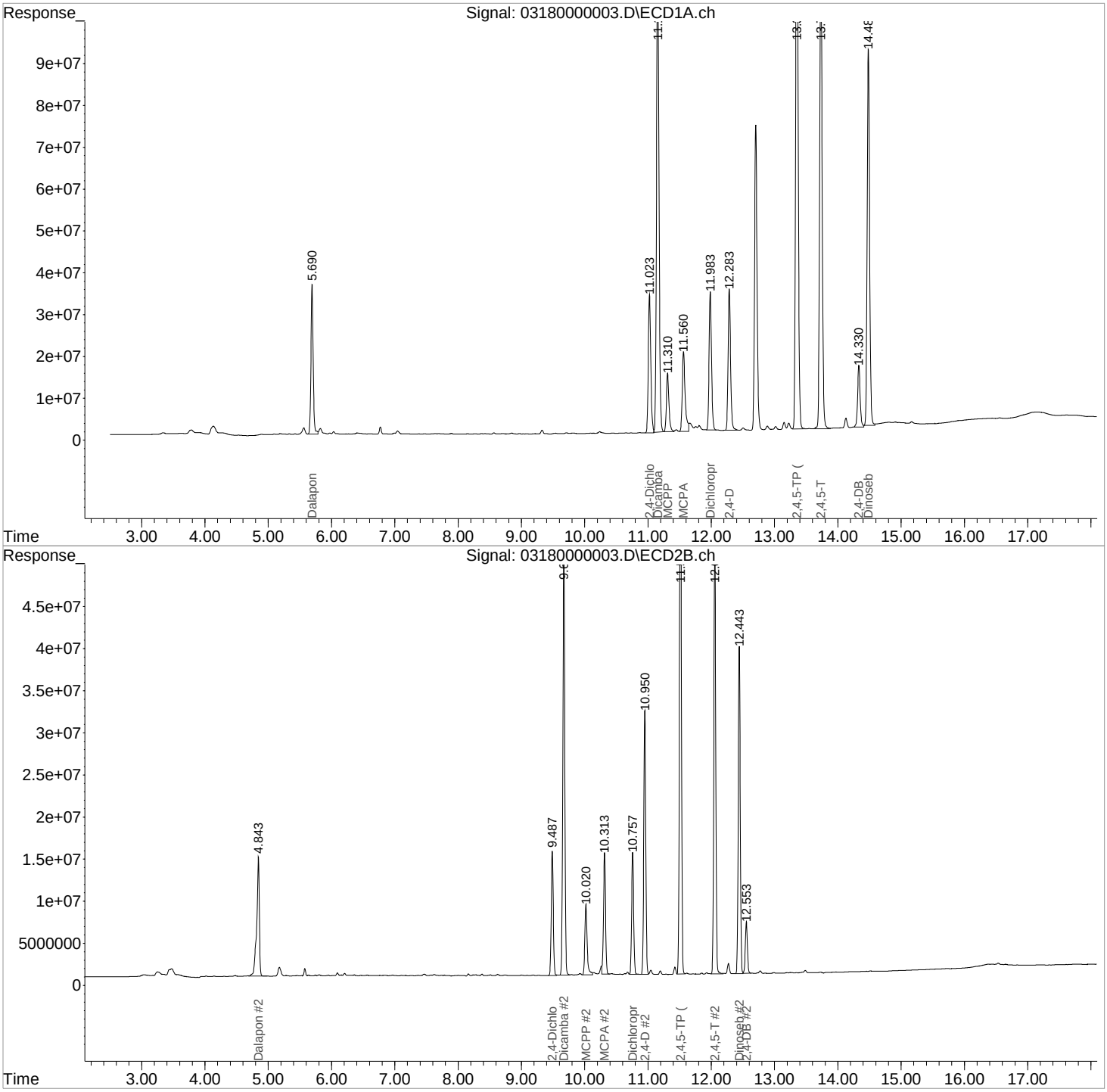
Quantitation Report (QT Reviewed)

1st JTC 03/23/21
2nd 03/23/21

Data File : J:\GC34\DATA\031821\03180000003.D Vial: 1
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18-Mar-2021, 16:31:20 Operator: JTC
Sample : PENTA02-24J-100PPB Inst : GCI
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Mar 19 08:59:07 2021
Quant Results File: 031721_8151.RES

Quant Method : J:\GC34\METHODS\031721_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Mar 17 16:17:29 2021
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 0.32 mm Signal #2 Info : 0.32 mm



1st JTC 03/23/21
2nd 4w 03/23/21

Validation Report

Data File: J:\GC34\DATA\031821\03180000014.D\
Lab ID: KQ2104211-04
RunType: CCV
Matrix: Water

Date Acquired: 3/18/21 20:57:27
Batch ID: 716745
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 JTC 03/23/21
2nd 4w 03/23/21

Quantitation Report

Data File:	J:\GC34\DATA\031821\03180000014.D\	**Instrument:**	K-GC-34
Acqu Date:	3/18/21 20:57:27	**Vial:**	3
Run Type:	CCV	**Dilution:**	1
Lab ID:	KQ2104200-03	**Raw Units:**	ppb

Bottle ID:		**Tier:**	IV	**Matrix:**	Water
Prod Code:	HERB	**Collect Date:**	3/9/21	**Receive Date:**	3/11/21

Analysis Lot:	716732	**Prep Lot:**		**Report Group:**	KQ2104200
Analysis Method:	8151A	**Prep Method:**			
		Prep Date:			

Title:	Chlorinated Herbicides by GC	**Calibration ID:**	KC2100138
		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	Rpt?
DCAA	11.02	9.49	92742650	33015877	90.016	88.158			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-TP	13.35	11.51	413621734	139131001	96.408	95.111	96.4	95.1	Y
2,4-D	12.28	10.95	94486623	68257874	96.616	92.332	96.6	92.3	Y

Prep Amount:	1000 mL	**Dilution:**	1
Prep Final Amount:	20.00 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: 3/19/21 9:56
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Quantitation Report (QT Reviewed)

1st JTC 03/23/21
2nd 03/23/21

Data File : J:\GC34\DATA\031821\03180000014.D Vial: 1
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18-Mar-2021, 20:57:27 Operator: JTC
Sample : PENTA02-24J-100PPB Inst : GCI
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Mar 19 08:59:13 2021
Quant Results File: 031721_8151.RES

Quant Method : J:\GC34\METHODS\031721_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Mar 17 16:17:29 2021
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 0.32 mm Signal #2 Info : 0.32 mm

		Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
		System Monitoring Compounds						
2)	s	2,4-Dichl...	11.023	9.487	92742650	33015877	90.016	88.158
		Target Compounds						
1)	m	Dalapon	5.690	4.843	88876681	43170999	90.873	90.962
3)	m	Dicamba	11.153	9.670	315.7E6	113.3E6	96.045	94.339
4)	m	MCPP	11.307	10.017	40100201	20927360	8812.356	9329.282
5)	m	MCPA	11.560	10.313	64428013	31909541	9436.014	9060.500
6)	m	Dichloroprop	11.983	10.757	91040124	32220822	95.687	92.561
7)	m	2,4-D	12.283	10.947	94486623	68257874	96.616	92.332
8)	m	2,4,5-TP ...	13.350	11.510	413.6E6	139.1E6	96.408	95.111
9)	m	2,4,5-T	13.730	12.053	329.6E6	109.1E6	97.757	94.737
10)	m	2,4-DB	14.330	12.553	42078140	13816651	96.413	92.448
11)	m	Dinoseb	14.480	12.440	247.1E6	86951086	95.483	94.218

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

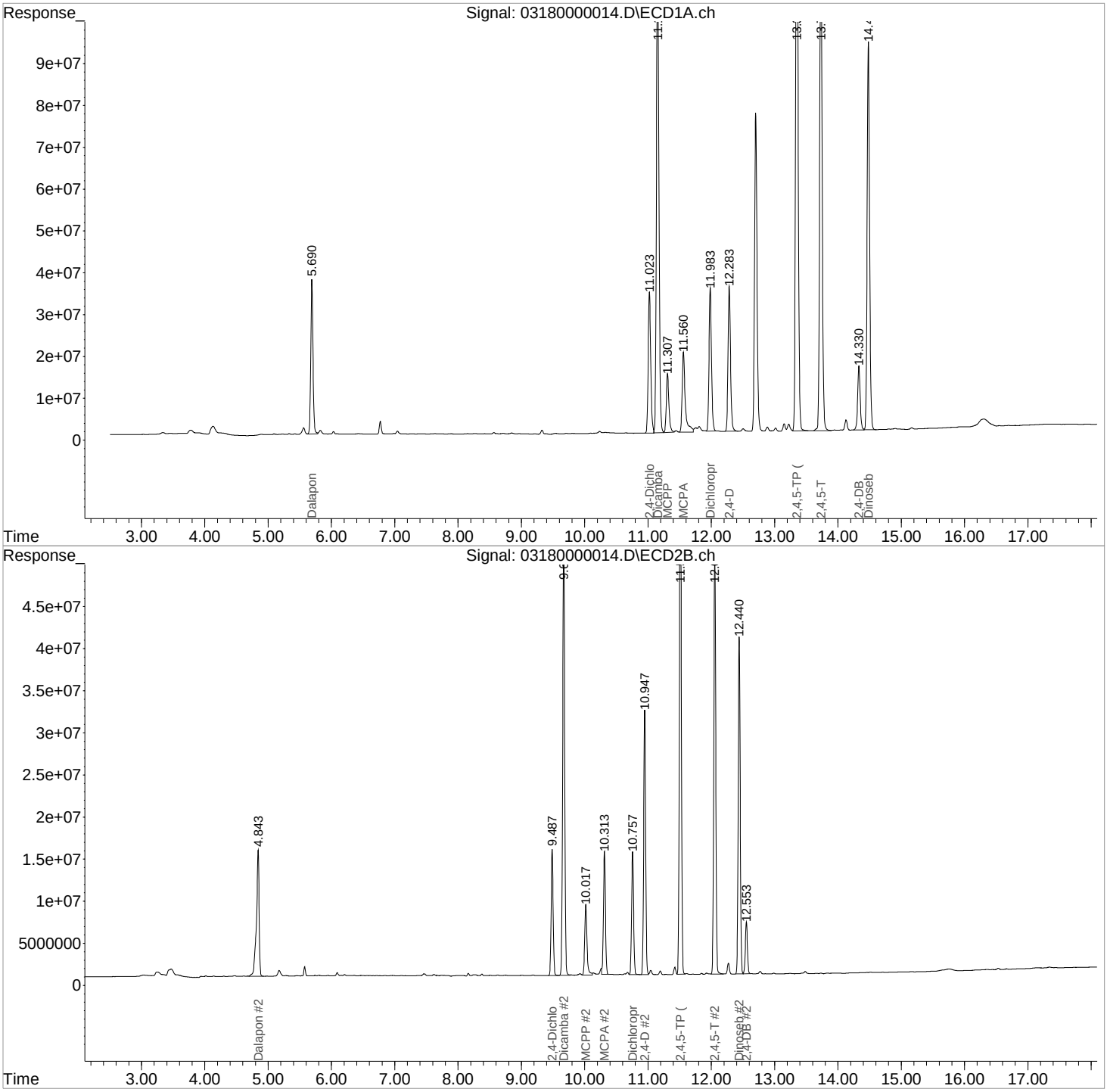
Quantitation Report (QT Reviewed)

1st JTC 03/23/21
2nd 03/23/21

Data File : J:\GC34\DATA\031821\03180000014.D Vial: 1
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18-Mar-2021, 20:57:27 Operator: JTC
Sample : PENTA02-24J-100PPB Inst : GCI
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Mar 19 08:59:13 2021
Quant Results File: 031721_8151.RES

Quant Method : J:\GC34\METHODS\031721_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Mar 17 16:17:29 2021
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 0.32 mm Signal #2 Info : 0.32 mm



Sequence: C:\GC34\SEQUENCE\031721HB.S

Calibration ID: KC2100138

Sequence Table (Front Injector):

Method and Injection Info Part:

Line	Location	SampleName DataFile LimsID	Method	Inj	SampleType	InjVolume
1	Vial 100	PRIMER	8151A-17	1	Sample	
2	Vial 100	PRIMER	8151A-17	1	Sample	
3	Vial 1	PENTA02-24J-100PPB	8151A-17	1	Sample	
4	Vial 2	IB	8151A-17	1	Sample	
5	Vial 10	PENTA02-25D-10PPB	8151A-17	1	Sample	
6	Vial 11	PENTA02-25E-25PPB	8151A-17	1	Sample	
7	Vial 3	PENTA02-24K-75PPB	8151A-17	1	Sample	
8	Vial 4	PENTA02-24L-100PPB	8151A-17	1	Sample	
9	Vial 5	PENTA02-24M-125PPB	8151A-17	1	Sample	
10	Vial 6	PENTA02-24N-150PPB	8151A-17	1	Sample	
11	Vial 7	PENTA02-25A-175PPB	8151A-17	1	Sample	
12	Vial 8	PENTA02-25B-200PPB	8151A-17	1	Sample	
13	Vial 9	PENTA02-25C-100PPB I CV	8151A-17	1	Sample	
14	Vial 1	PENTA02-24J-100PPB	8151A-17	1	Sample	
15	Vial 16	KQ2103635-04 MB (1)	8151A-17	1	Sample	
16	Vial 17	KQ2103635-03 LCS	8151A-17	1	Sample	
17	Vial 18	K2102417-006 MS	8151A-17	1	Sample	
18	Vial 19	K2102417-006 DMS	8151A-17	1	Sample	
19	Vial 20	K2102417-001	8151A-17	1	Sample	
20	Vial 21	K2102417-002	8151A-17	1	Sample	
21	Vial 22	K2102417-003	8151A-17	1	Sample	
22	Vial 23	K2102417-004	8151A-17	1	Sample	
23	Vial 24	K2102417-005	8151A-17	1	Sample	
24	Vial 25	K2102417-006	8151A-17	1	Sample	

(1) Method Blank acting as IB 3.17.21 JTC

Quantitation Report (QT Reviewed)

1st JTC 03/17/21
2nd 03/18/21

Data File : J:\GC34\DATA\031721\03170000004.D Vial: 2
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17-Mar-2021, 11:30:20 Operator: JTC
Sample : IB Inst : GCI
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Mar 17 15:53:33 2021
Quant Results File: 031721_8151.RES

Quant Method : J:\GC34\METHODS\031721_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Tue Mar 02 07:39:59 2021
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 0.32 mm Signal #2 Info : 0.32 mm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
2) s	2,4-Dichl...	11.057f	0.000	326453	0	0.305	N.D. #
	Target Compounds						
1) m	Dalapon	0.000	4.890f	0	26146	N.D.	0.059 #
3) m	Dicamba	0.000	0.000	0	0	N.D.	N.D.
4) m	MCPP	11.340	0.000	137261	0	983764.408	N.D. #
5) m	MCPA	0.000	10.270	0	896176	N.D.	264.173 #
6) m	Dichloroprop	11.927f	10.767	92423	34823	0.091m	0.102
7) m	2,4-D	0.000	10.940	0	271604	N.D.	0.372 #
8) m	2,4,5-TP ...	0.000	0.000	0	0	N.D.	N.D.
9) m	2,4,5-T	0.000	0.000	0	0	N.D.	N.D.
10) m	2,4-DB	0.000	0.000	0	0	N.D.	N.D.
11) m	Dinoseb	0.000	0.000	0	0	N.D.	N.D.

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

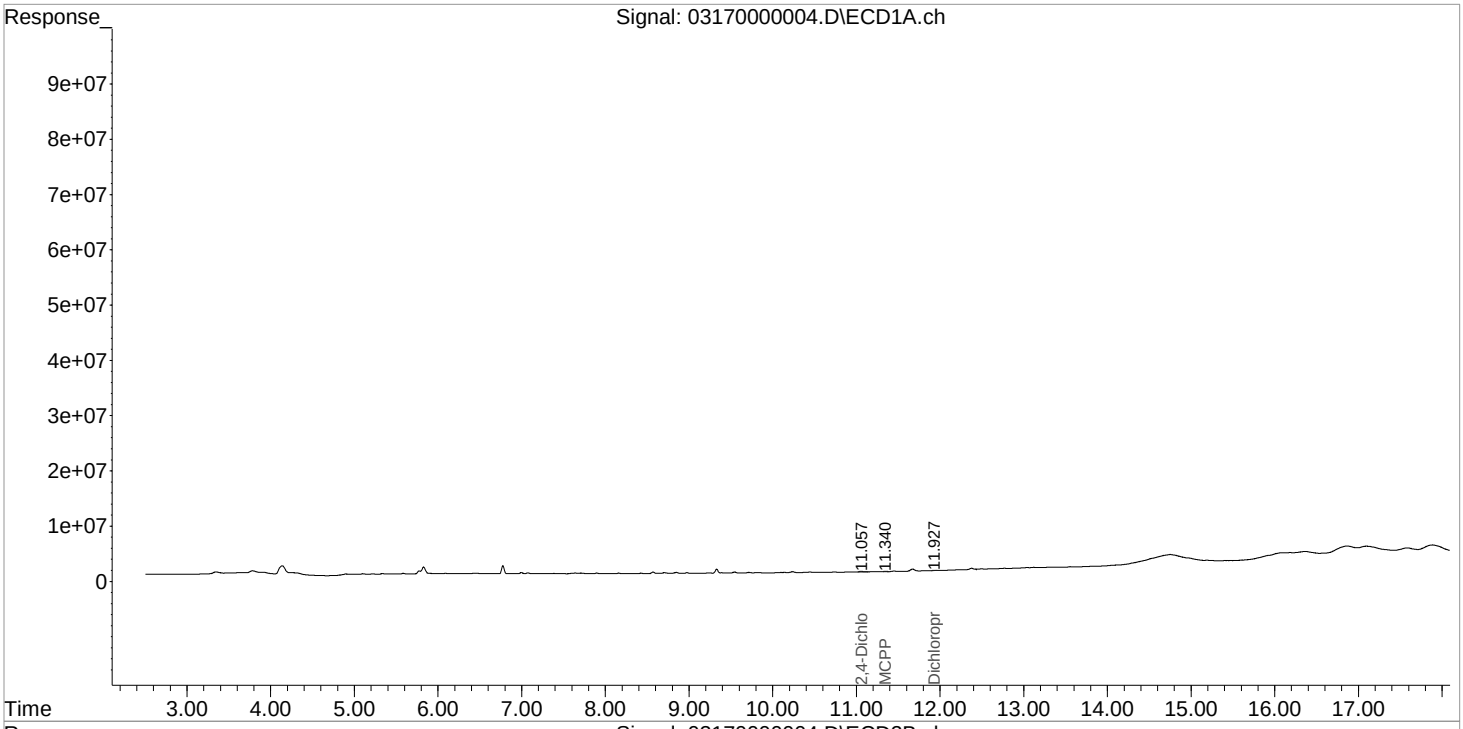
Quantitation Report (QT Reviewed)

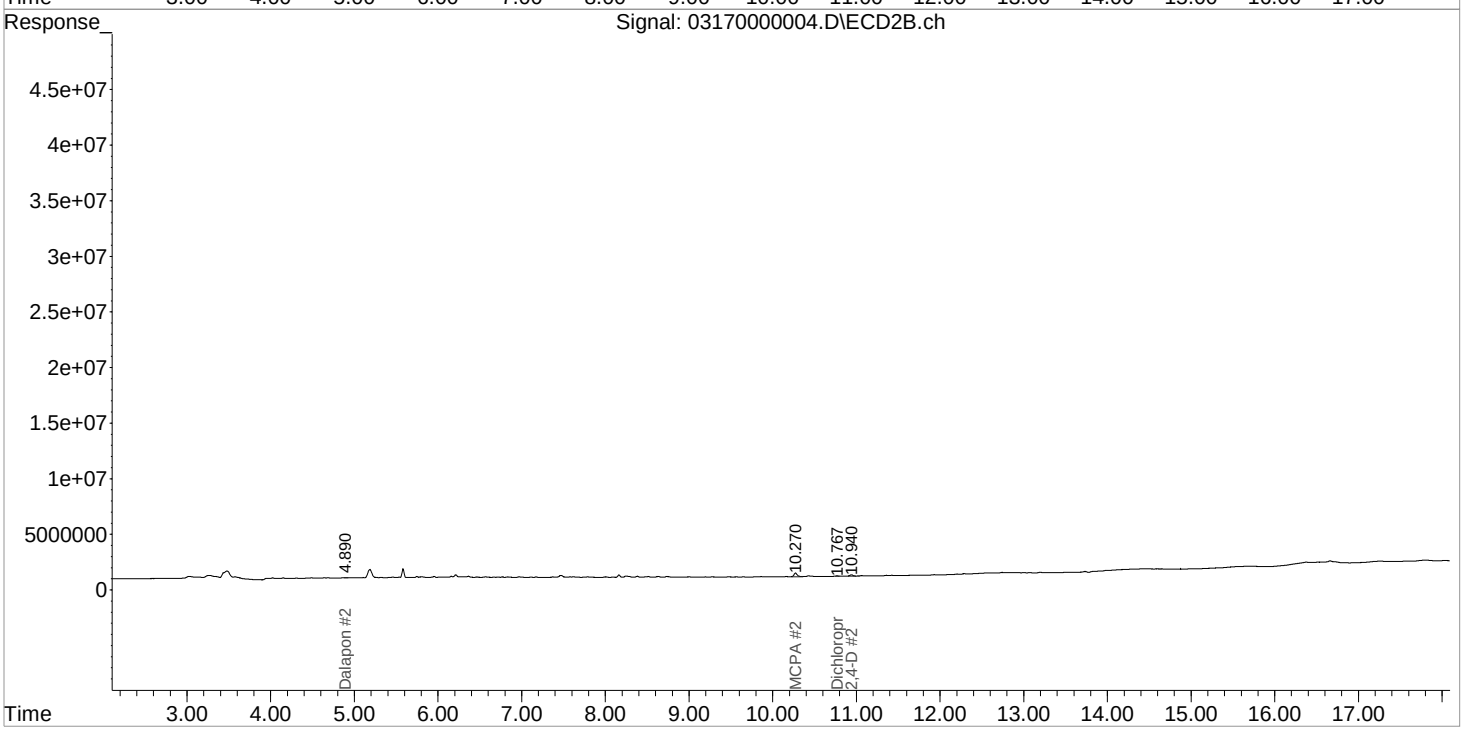
1st JTC 03/17/21
2nd 03/18/21

Data File : J:\GC34\DATA\031721\03170000004.D Vial: 2
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17-Mar-2021, 11:30:20 Operator: JTC
Sample : IB Inst : GCI
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Mar 17 15:53:33 2021
Quant Results File: 031721_8151.RES

Quant Method : J:\GC34\METHODS\031721_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Tue Mar 02 07:39:59 2021
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 0.32 mm Signal #2 Info : 0.32 mm





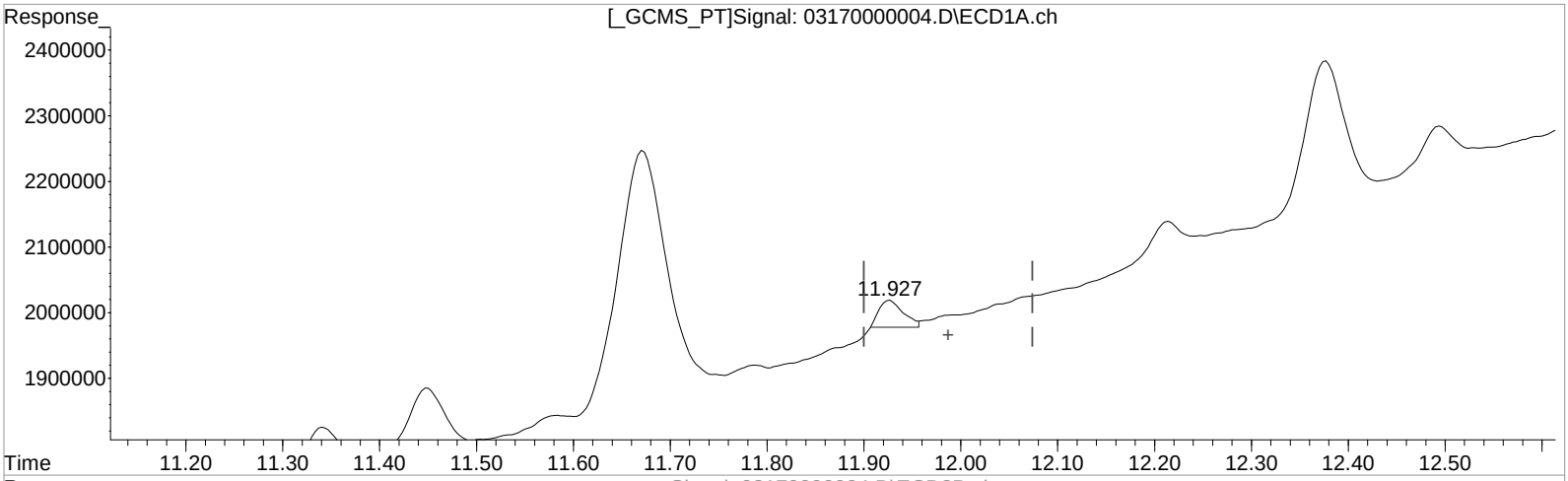
Quantitation Report (Qedit)

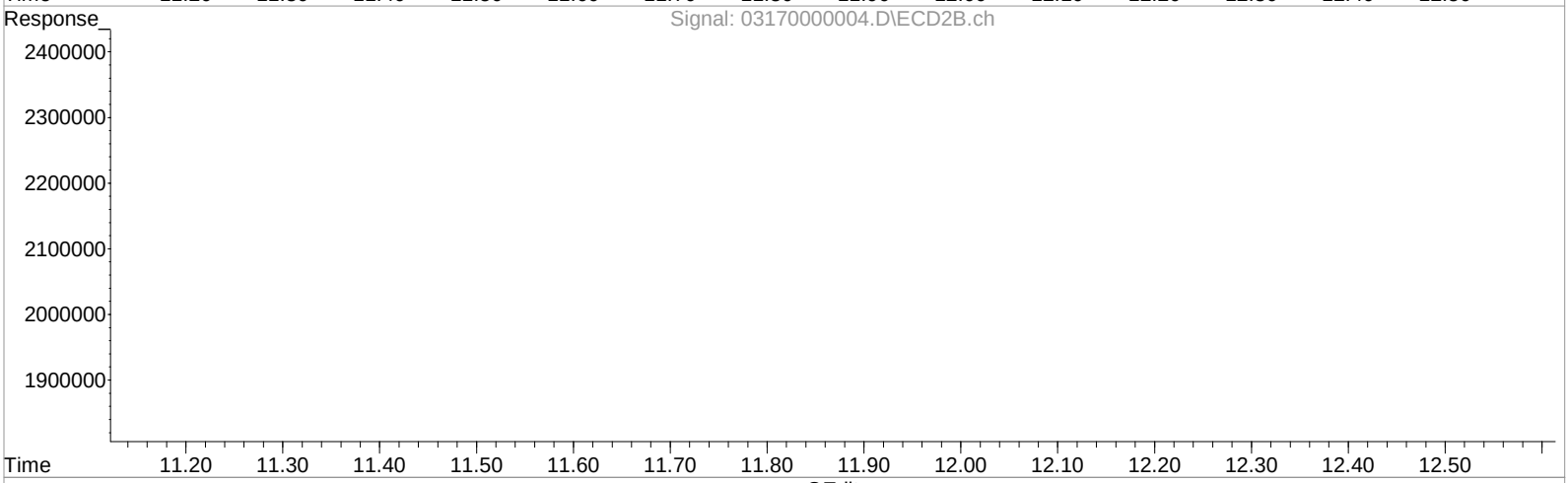
1st JTC 03/17/21
2nd 03/18/21

Data File : J:\GC34\DATA\031721\03170000004.D Vial: 2
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17-Mar-2021, 11:30:20 Operator: JTC
Sample : IB Inst : GCI
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Mar 17 15:52:34 2021
Quant Results File: 031721_8151.RES

Quant Method : J:\GC34\METHODS\031721_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Tue Mar 02 07:39:59 2021
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 0.32 mm Signal #2 Info : 0.32 mm





QEdit

(6) Dichloroprop (m)

11.927min 0.072 ppb

response 72871

Manual Integration:

Before

03/17/21

(6) Dichloroprop #2 (m)

10.767min 0.102 ppb

response 34823

(+) = Expected Retention Time

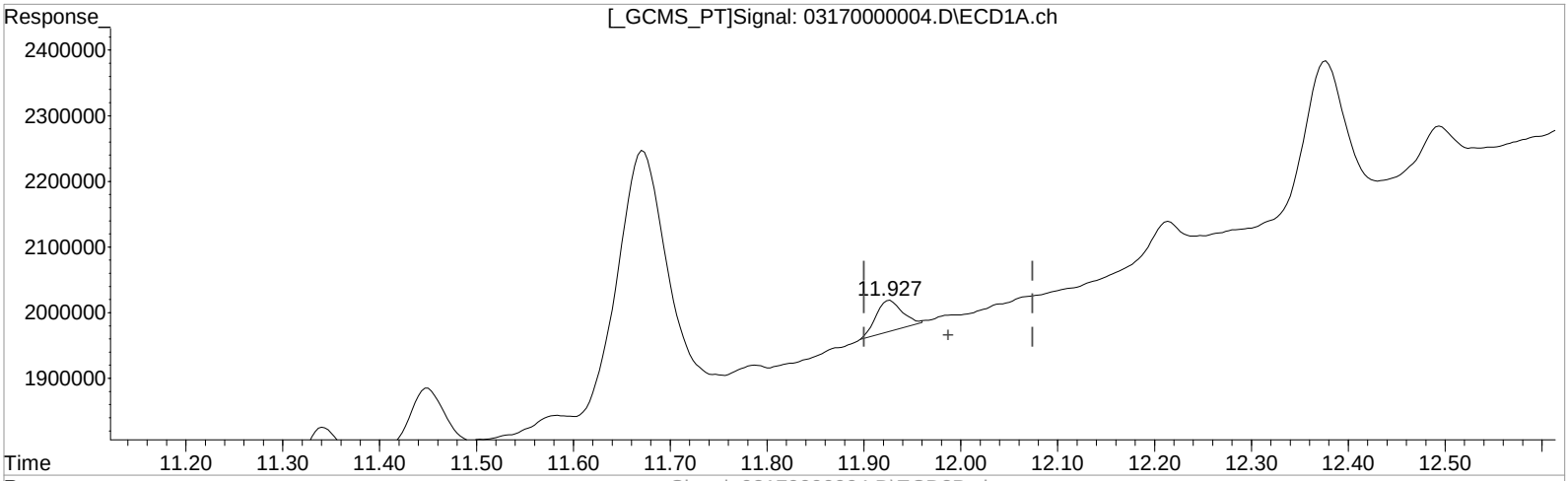
Quantitation Report (Qedit)

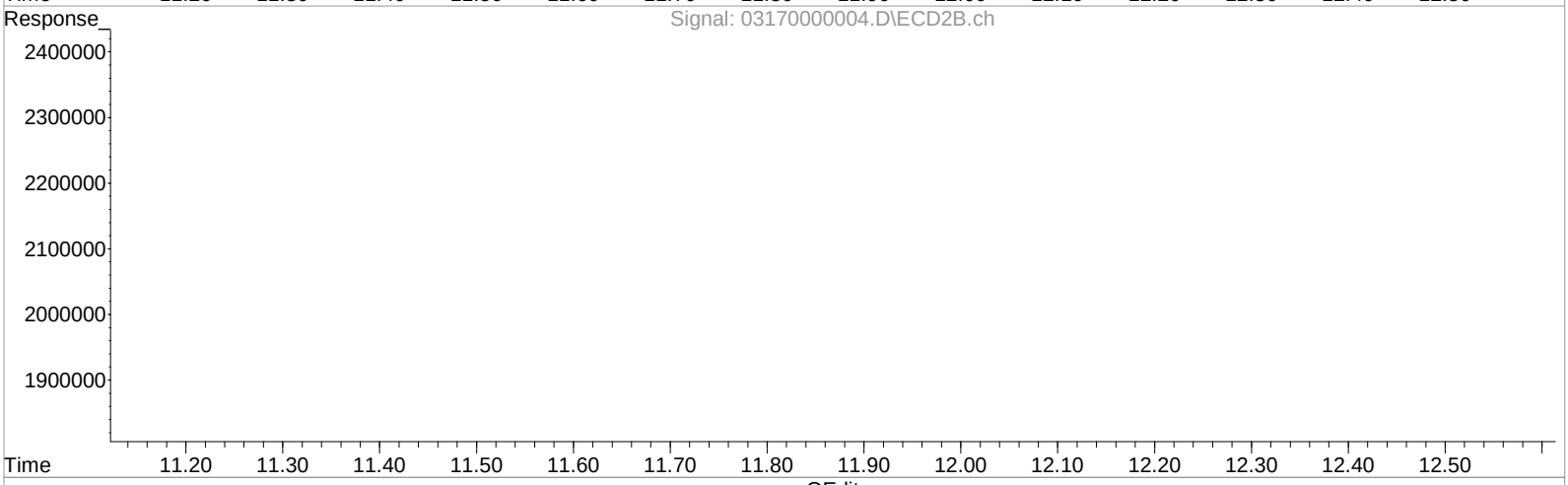
1st JTC 03/17/21
2nd 03/18/21

Data File : J:\GC34\DATA\031721\03170000004.D Vial: 2
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17-Mar-2021, 11:30:20 Operator: JTC
Sample : IB Inst : GCI
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Mar 17 15:52:34 2021
Quant Results File: 031721_8151.RES

Quant Method : J:\GC34\METHODS\031721_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Tue Mar 02 07:39:59 2021
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 0.32 mm Signal #2 Info : 0.32 mm





QEdit

(6) Dichloroprop (m)

11.927min 0.091 ppb m

response 92423

Manual Integration:

After

Baseline/Shoulder

03/17/21

(6) Dichloroprop #2 (m)

10.767min 0.102 ppb

response 34823

(+) = Expected Retention Time

Quantitation Report (QT Reviewed)

1st JTC 03/17/21
2nd 03/18/21

Data File : J:\GC34\DATA\031721\03170000005.D Vial: 10
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17-Mar-2021, 11:54:19 Operator: JTC
Sample : PENTA02-25D-10PPB Inst : GCI
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Mar 17 16:02:27 2021
Quant Results File: 031721_8151.RES

Quant Method : J:\GC34\METHODS\031721_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Tue Mar 02 07:39:59 2021
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 0.32 mm Signal #2 Info : 0.32 mm

		Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb	
		System Monitoring Compounds							
2)	s	2,4-Dichl...	11.030	9.493	9440183	4013214	8.829	11.014	
		Target Compounds							
1)	m	Dalapon	5.700	4.853	9222528	4807126	9.568	10.851	
3)	m	Dicamba	11.160	9.677	27436279	11205207	8.453	9.568	
4)	m	MCPP	11.317	10.027	5827642	3460219	821.984	937.409	
5)	m	MCPA	11.567	10.320	7942697	3992596	616.552	1176.929	#
6)	m	Dichloroprop	11.990	10.763	8290825	3554203	8.155	10.369	#
7)	m	2,4-D	12.290	10.957	7931923	7524047	7.330	10.305	#
8)	m	2,4,5-TP ...	13.357	11.520	34147226	13208530	7.483	9.186	
9)	m	2,4,5-T	13.737	12.063	26037846	9893930	7.023	8.469	
10)	m	2,4-DB	14.337	12.563	3401377	1549863	6.431m	9.643	#
11)	m	Dinoseb	14.487	12.450	23264403	9246274	8.252m	10.114	

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

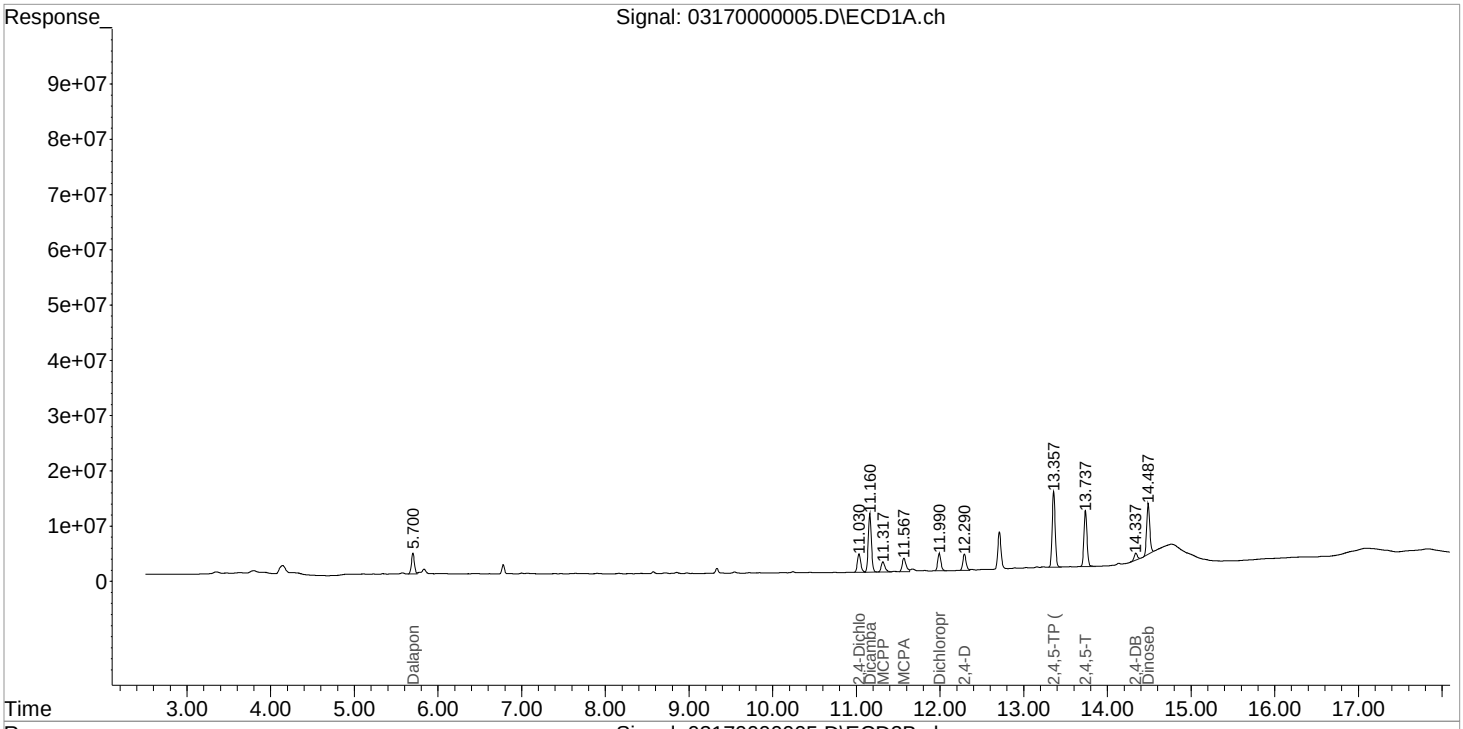
Quantitation Report (QT Reviewed)

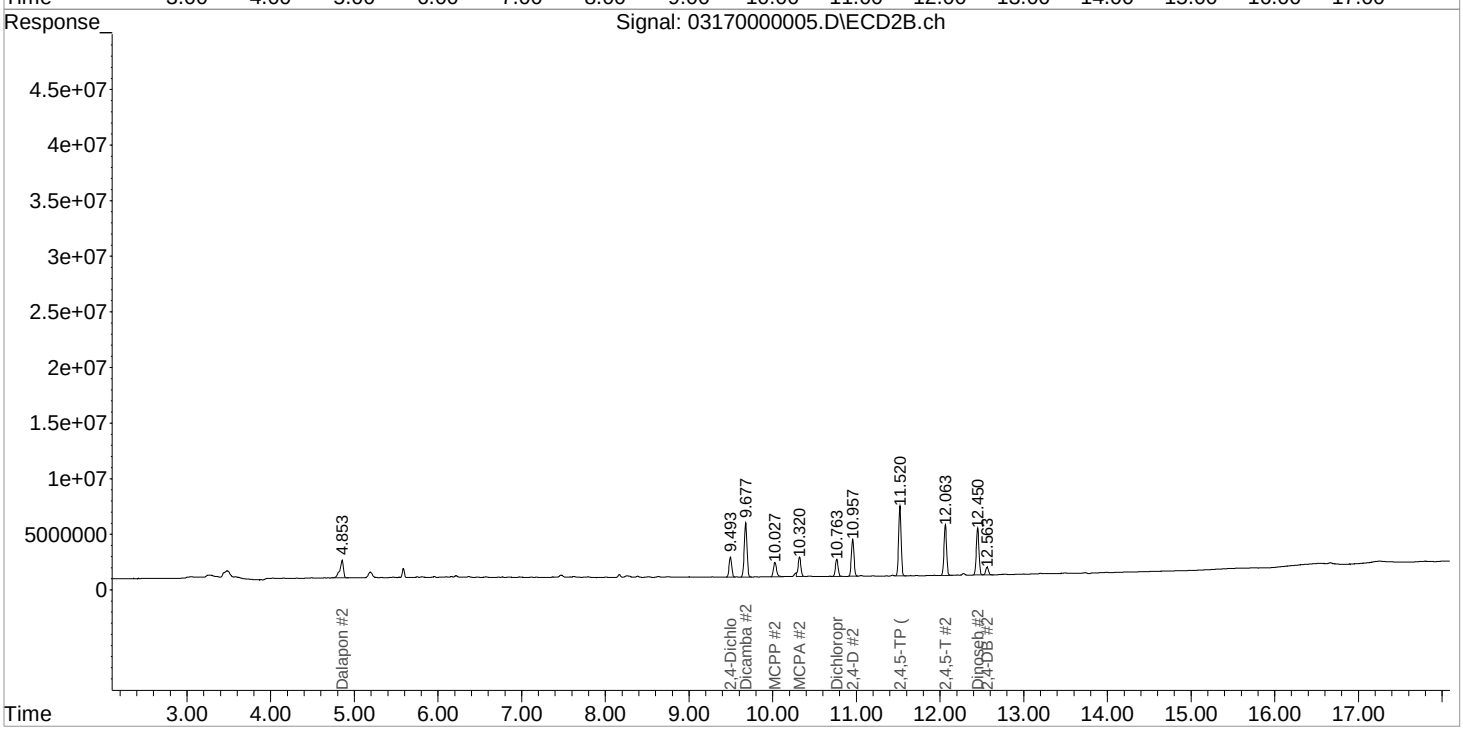
1st JTC 03/17/21
2nd 03/18/21

Data File : J:\GC34\DATA\031721\03170000005.D Vial: 10
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17-Mar-2021, 11:54:19 Operator: JTC
Sample : PENTA02-25D-10PPB Inst : GCI
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Mar 17 16:02:27 2021
Quant Results File: 031721_8151.RES

Quant Method : J:\GC34\METHODS\031721_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Tue Mar 02 07:39:59 2021
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 0.32 mm Signal #2 Info : 0.32 mm



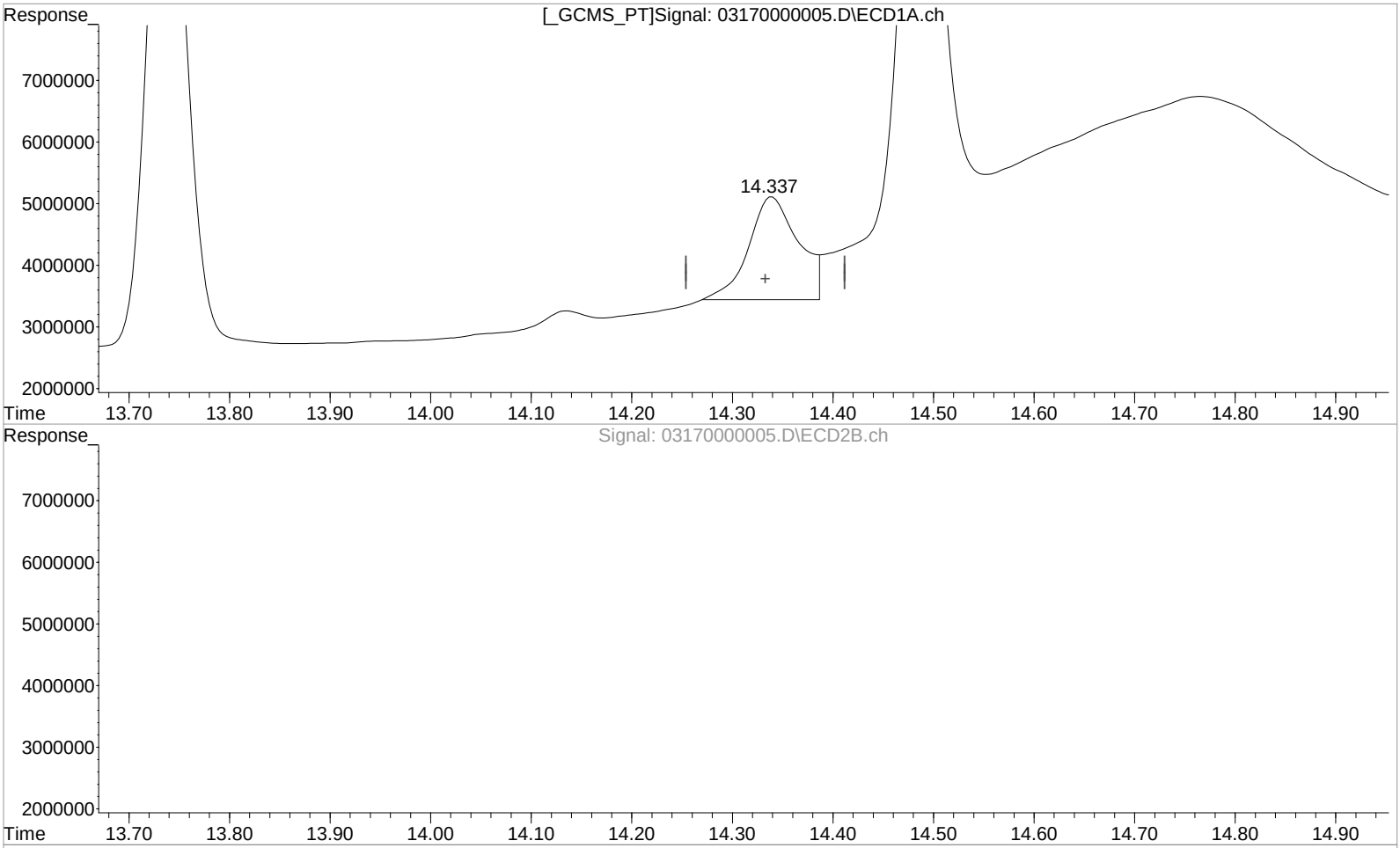


1st JTC 03/17/21
2nd 03/18/21

Data File : J:\GC34\DATA\031721\03170000005.D Vial: 10
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17-Mar-2021, 11:54:19 Operator: JTC
Sample : PENTA02-25D-10PPB Inst : GCI
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Mar 17 16:00:55 2021
Quant Results File: 031721_8151.RES

Quant Method : J:\GC34\METHODS\031721_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Tue Mar 02 07:39:59 2021
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 0.32 mm Signal #2 Info : 0.32 mm



QEdit

(10) 2,4-DB (m)

14.337min 11.011 ppb

response 5823881

Manual Integration:

Before

03/17/21

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

12.563min 9.643 ppb

response 1549863

(+) = Expected Retention Time

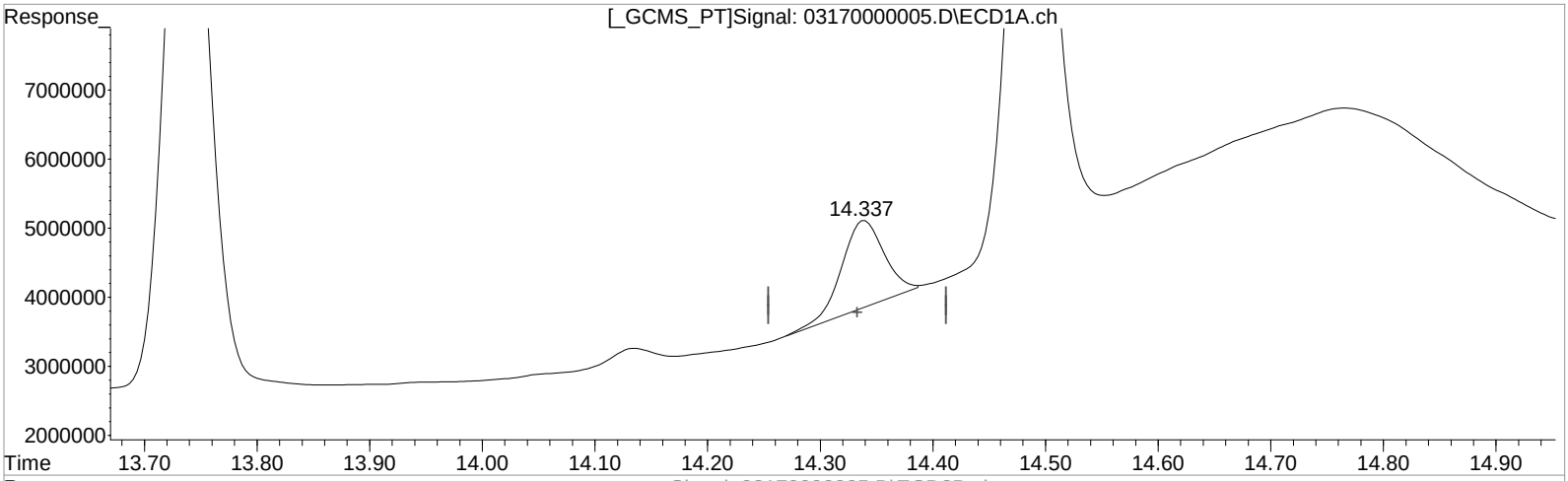
Quantitation Report (Qedit)

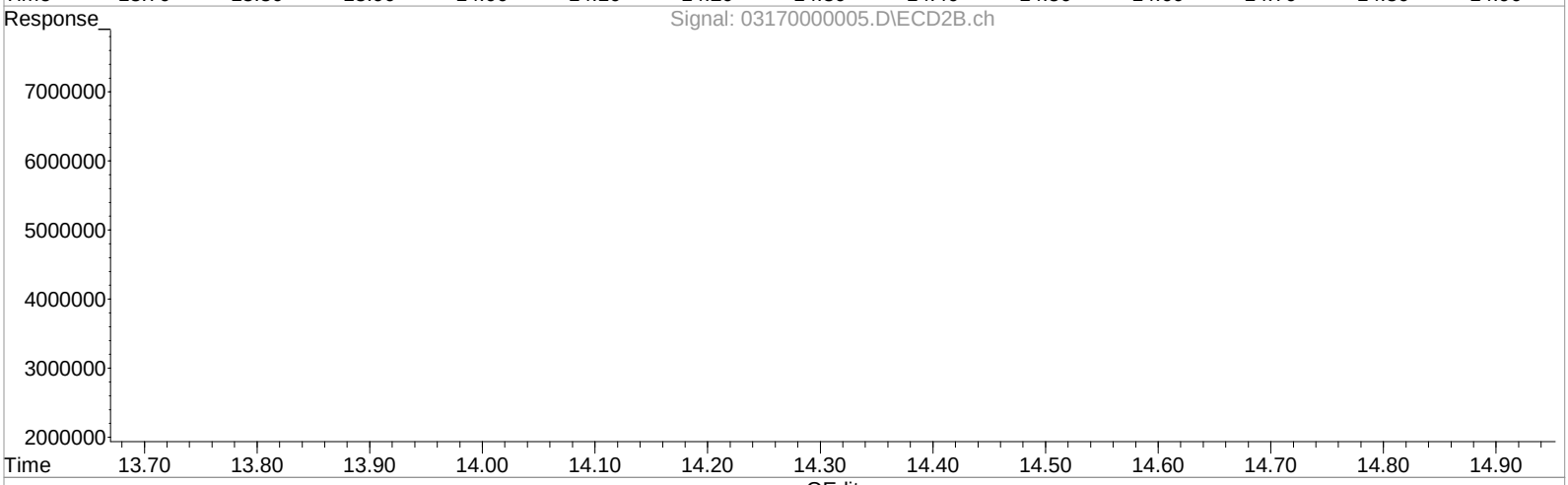
1st JTC 03/17/21
2nd 03/18/21

Data File : J:\GC34\DATA\031721\03170000005.D Vial: 10
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17-Mar-2021, 11:54:19 Operator: JTC
Sample : PENTA02-25D-10PPB Inst : GCI
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Mar 17 16:00:55 2021
Quant Results File: 031721_8151.RES

Quant Method : J:\GC34\METHODS\031721_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Tue Mar 02 07:39:59 2021
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 0.32 mm Signal #2 Info : 0.32 mm





QEdit

(10) 2,4-DB (m)

14.337min 6.431 ppb m

response 3401377

Manual Integration:

After

Baseline/Shoulder

03/17/21

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

12.563min 9.643 ppb

response 1549863

(+) = Expected Retention Time

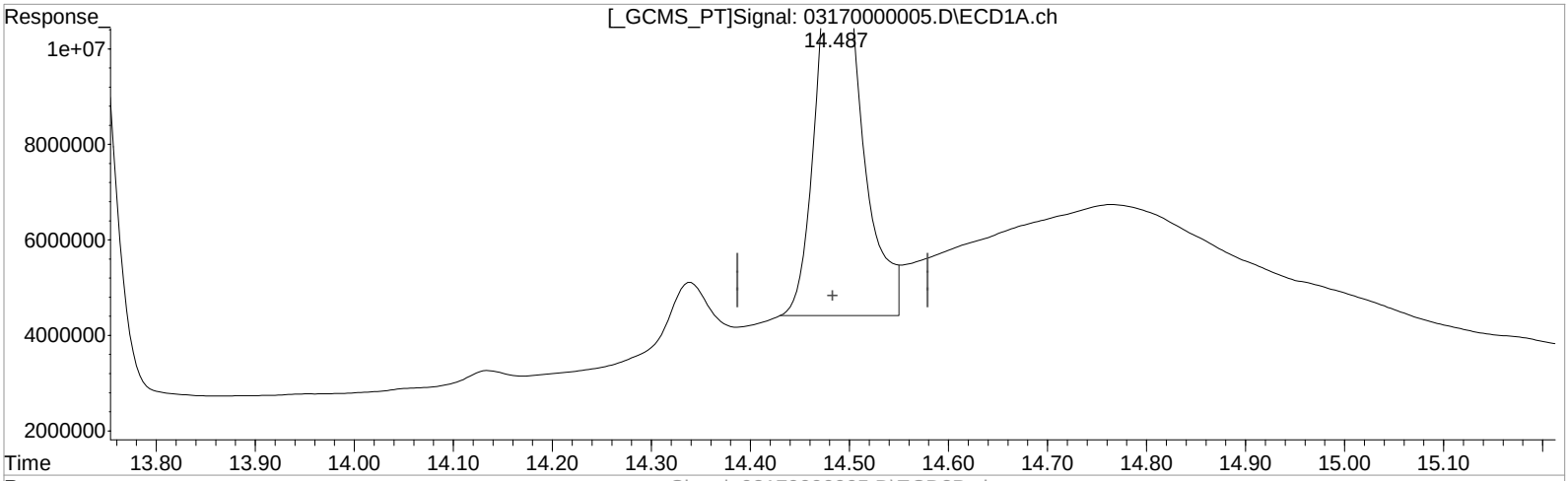
Quantitation Report (Qedit)

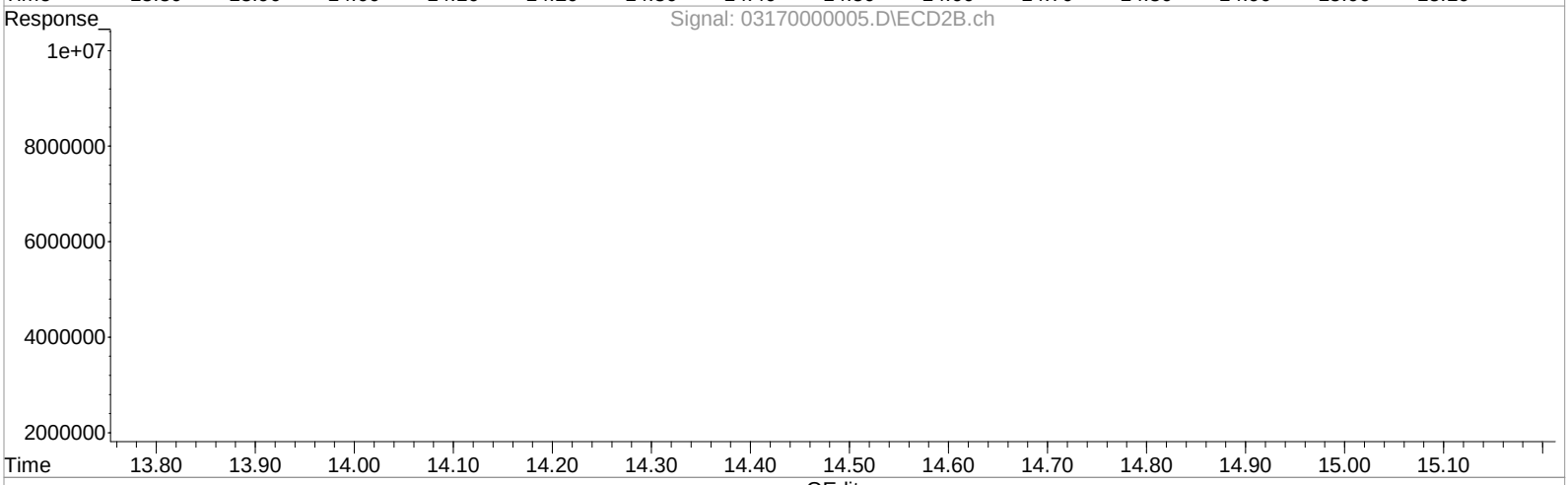
1st JTC 03/17/21
2nd 03/18/21

Data File : J:\GC34\DATA\031721\03170000005.D Vial: 10
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17-Mar-2021, 11:54:19 Operator: JTC
Sample : PENTA02-25D-10PPB Inst : GCI
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Mar 17 16:00:55 2021
Quant Results File: 031721_8151.RES

Quant Method : J:\GC34\METHODS\031721_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Tue Mar 02 07:39:59 2021
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 0.32 mm Signal #2 Info : 0.32 mm





QEdit

(11) Dinoseb (m)

14.487min 9.629 ppb

response 27148573

Manual Integration:

Before

03/17/21

(11) Dinoseb #2 (m)

12.450min 10.114 ppb

response 9246274

(+) = Expected Retention Time

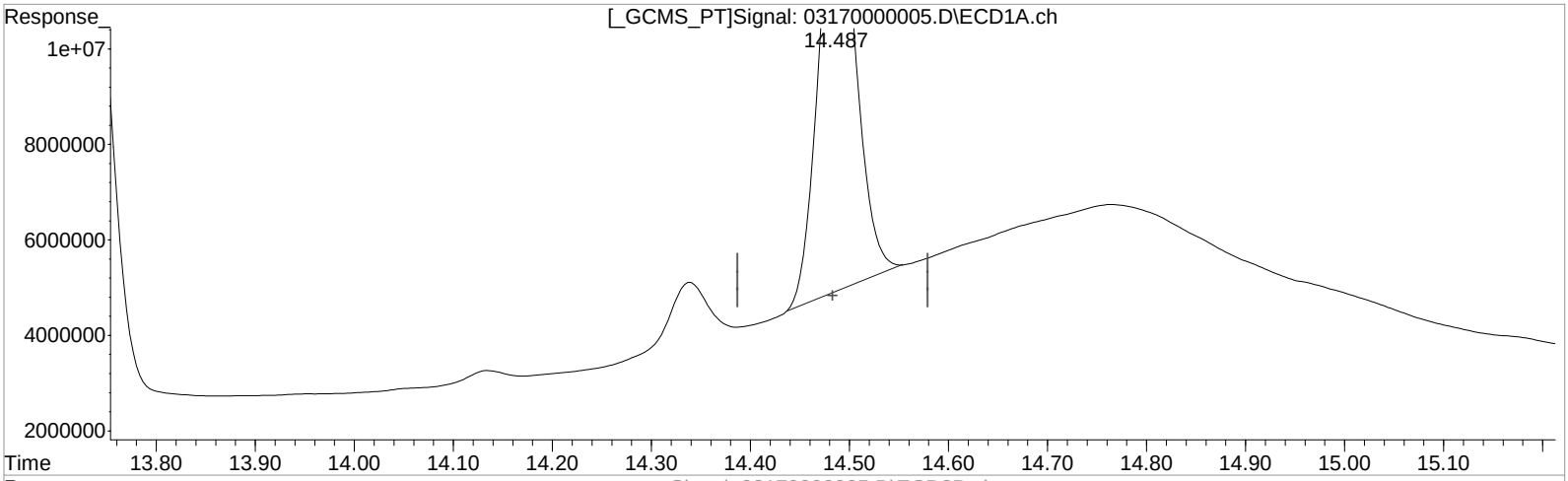
Quantitation Report (Qedit)

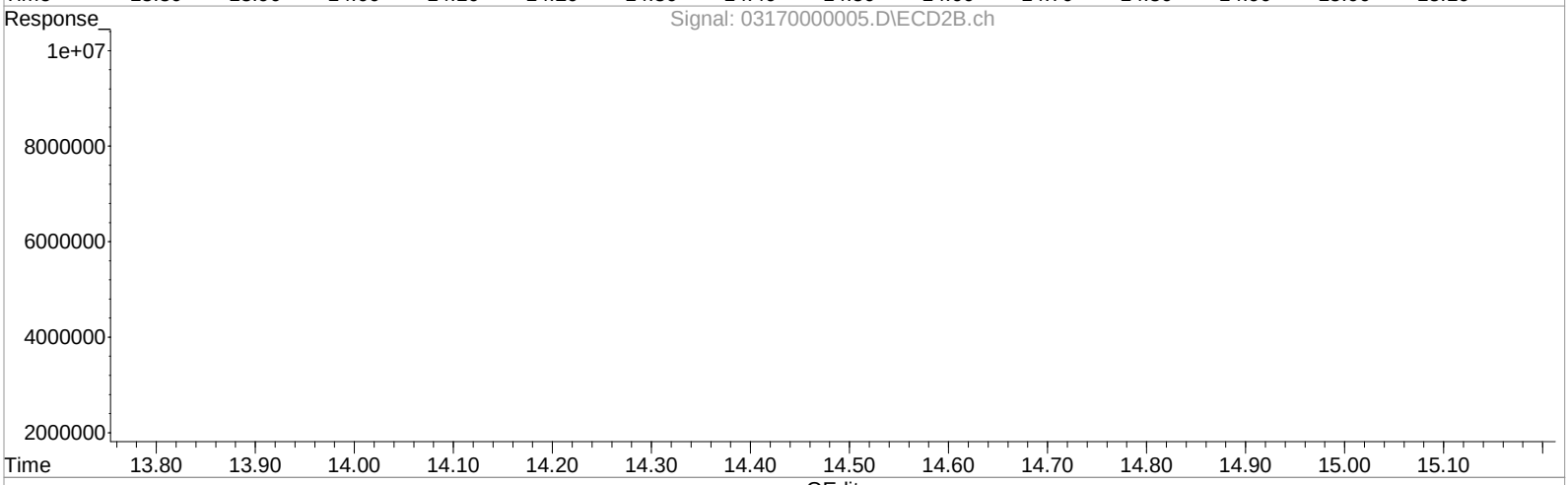
1st JTC 03/17/21
2nd 03/18/21

Data File : J:\GC34\DATA\031721\03170000005.D Vial: 10
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17-Mar-2021, 11:54:19 Operator: JTC
Sample : PENTA02-25D-10PPB Inst : GCI
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Mar 17 16:00:55 2021
Quant Results File: 031721_8151.RES

Quant Method : J:\GC34\METHODS\031721_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Tue Mar 02 07:39:59 2021
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 0.32 mm Signal #2 Info : 0.32 mm





QEdit

(11) Dinoseb (m)

14.487min 8.252 ppb m

response 23264403

Manual Integration:

After

Baseline/Shoulder

03/17/21

(11) Dinoseb #2 (m)

12.450min 10.114 ppb

response 9246274

(+) = Expected Retention Time

1st JTC 03/17/21
2nd 03/18/21

Quantitation Report (QT Reviewed)

Data File : J:\GC34\DATA\031721\03170000006.D Vial: 11
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17-Mar-2021, 12:18:20 Operator: JTC
Sample : PENTA02-25E-25PPB Inst : GCI
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Mar 17 16:00:58 2021
Quant Results File: 031721_8151.RES

Quant Method : J:\GC34\METHODS\031721_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Tue Mar 02 07:39:59 2021
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 0.32 mm Signal #2 Info : 0.32 mm

		Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
		System Monitoring Compounds						
2)	s	2,4-Dichl...	11.023	9.490	23959127	9118341	22.408	25.024
		Target Compounds						
1)	m	Dalapon	5.693	4.847	22314960	11267259	23.151	25.434
3)	m	Dicamba	11.153	9.670	75032714	27453768	23.117	23.441
4)	m	MCPP	11.310	10.020	12028790	6976610	2353.286	2556.035
5)	m	MCPA	11.560	10.313	18459878	8904546	2211.603	2624.863
6)	m	Dichloroprop	11.983	10.760	22349532	8316593	21.984	24.263
7)	m	2,4-D	12.283	10.950	21699215	17771339	20.053	24.339
8)	m	2,4,5-TP ...	13.350	11.513	95055999	33758092	20.830	23.478
9)	m	2,4,5-T	13.730	12.057	72358484	25564764	19.515	21.882
10)	m	2,4-DB	14.330	12.557	10260529	3659006	19.399	22.766
11)	m	Dinoseb	14.480	12.443	58714275	22285336	20.825	24.377

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

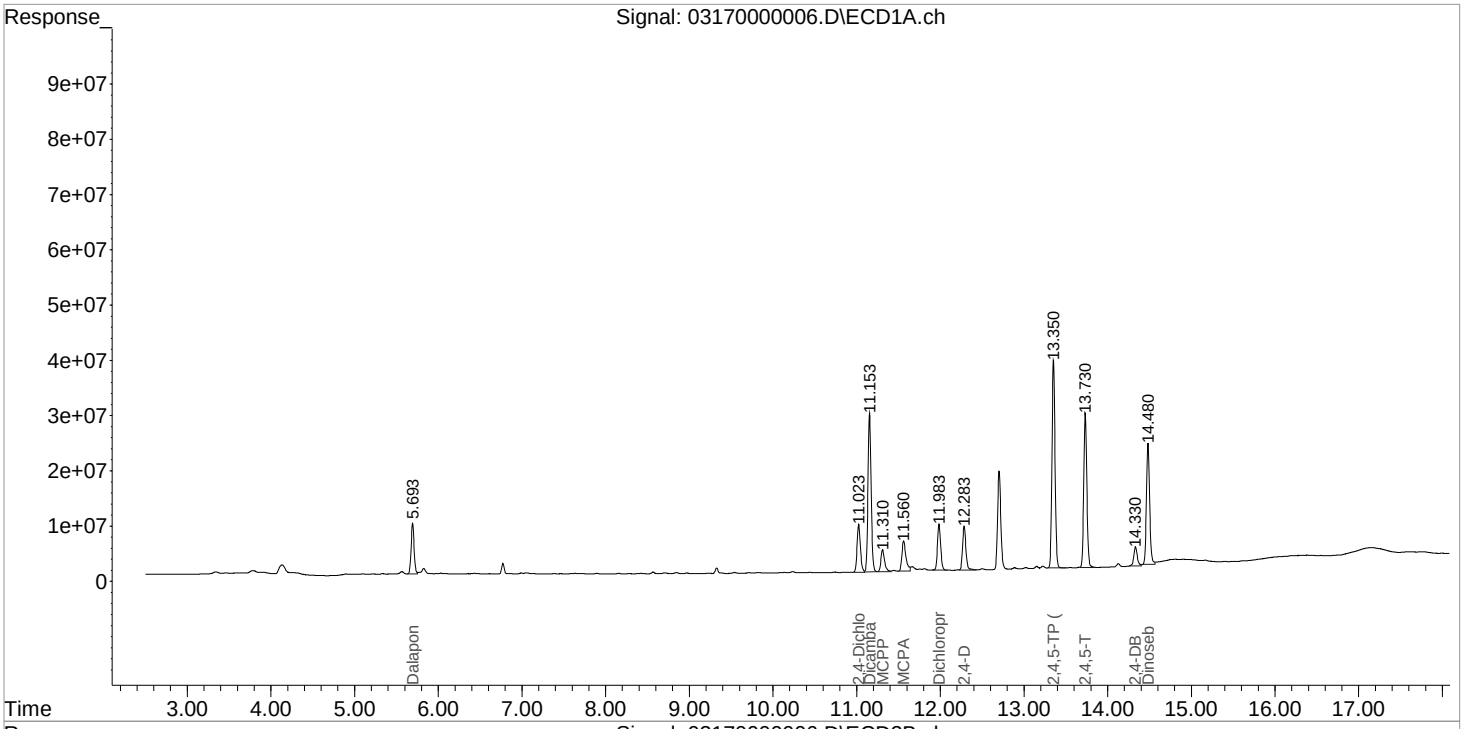
Quantitation Report (QT Reviewed)

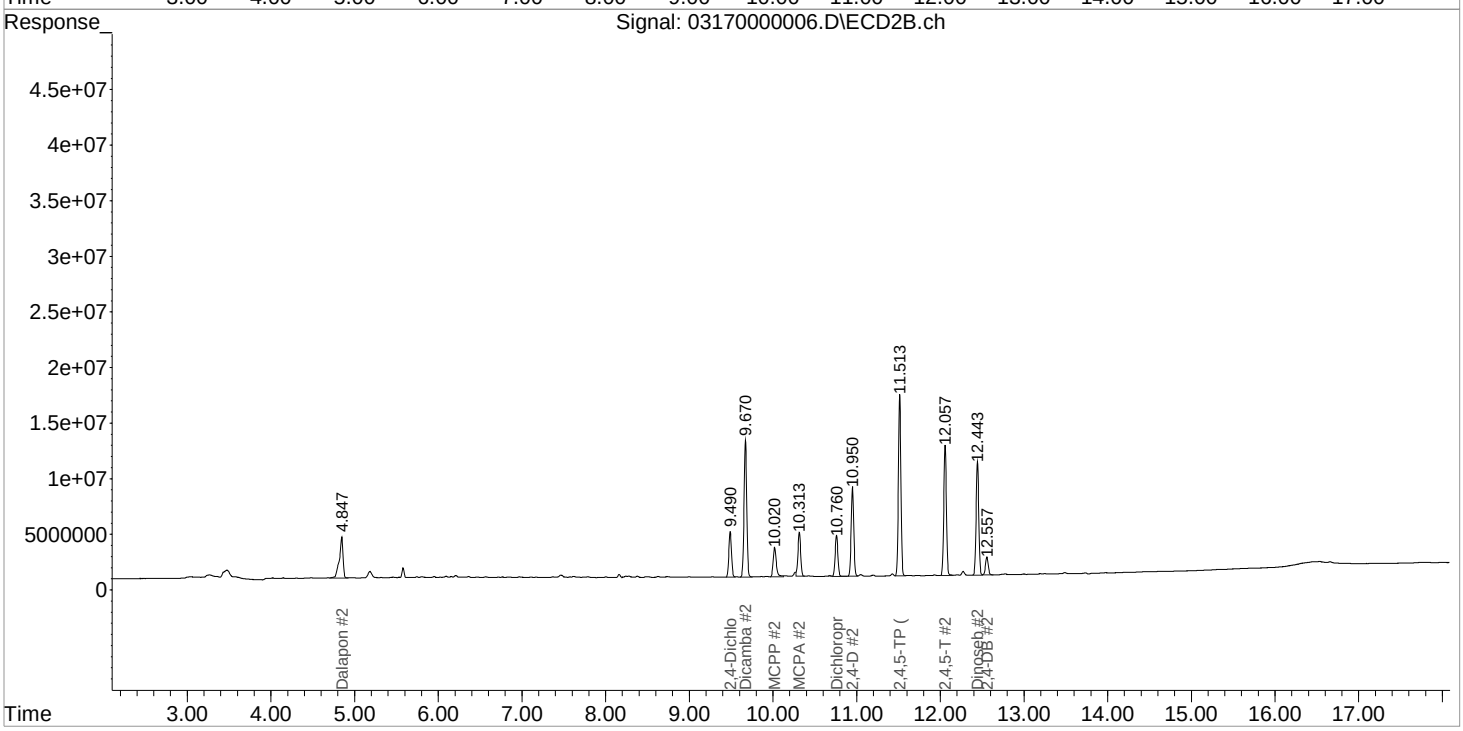
1st JTC 03/17/21
2nd 03/18/21

Data File : J:\GC34\DATA\031721\03170000006.D Vial: 11
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17-Mar-2021, 12:18:20 Operator: JTC
Sample : PENTA02-25E-25PPB Inst : GCI
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Mar 17 16:00:58 2021
Quant Results File: 031721_8151.RES

Quant Method : J:\GC34\METHODS\031721_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Tue Mar 02 07:39:59 2021
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 0.32 mm Signal #2 Info : 0.32 mm





1st JTC 03/17/21
2nd 03/18/21

Quantitation Report (QT Reviewed)

Data File : J:\GC34\DATA\031721\03170000007.D Vial: 3
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17-Mar-2021, 12:42:34 Operator: JTC
Sample : PENTA02-24K-75PPB Inst : GCI
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Mar 17 16:03:17 2021
Quant Results File: 031721_8151.RES

Quant Method : J:\GC34\METHODS\031721_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Tue Mar 02 07:39:59 2021
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 0.32 mm Signal #2 Info : 0.32 mm

		Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
		System Monitoring Compounds						
2)	s	2,4-Dichl...	11.023	9.487	64867454	23249180	60.668	63.803
		Target Compounds						
1)	m	Dalapon	5.693	4.847	61575153	29713939	63.883	67.074
3)	m	Dicamba	11.153	9.670	217.6E6	77670750	67.029	66.319
4)	m	MCPP	11.310	10.020	29045853	15658331	6580.290	6746.670
5)	m	MCPA	11.560	10.313	44209107	22643214	6221.087m	6674.719
6)	m	Dichloroprop	11.983	10.760	63242298	22435856	62.209	65.454
7)	m	2,4-D	12.283	10.950	63212106	47899297	58.416	65.601
8)	m	2,4,5-TP ...	13.350	11.513	284.2E6	97013259	62.278	67.472
9)	m	2,4,5-T	13.733	12.057	220.2E6	75231735	59.380	64.395
10)	m	2,4-DB	14.330	12.557	28493848	9725604	53.872	60.512
11)	m	Dinoseb	14.483	12.443	167.6E6	60004638	59.432	65.635

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

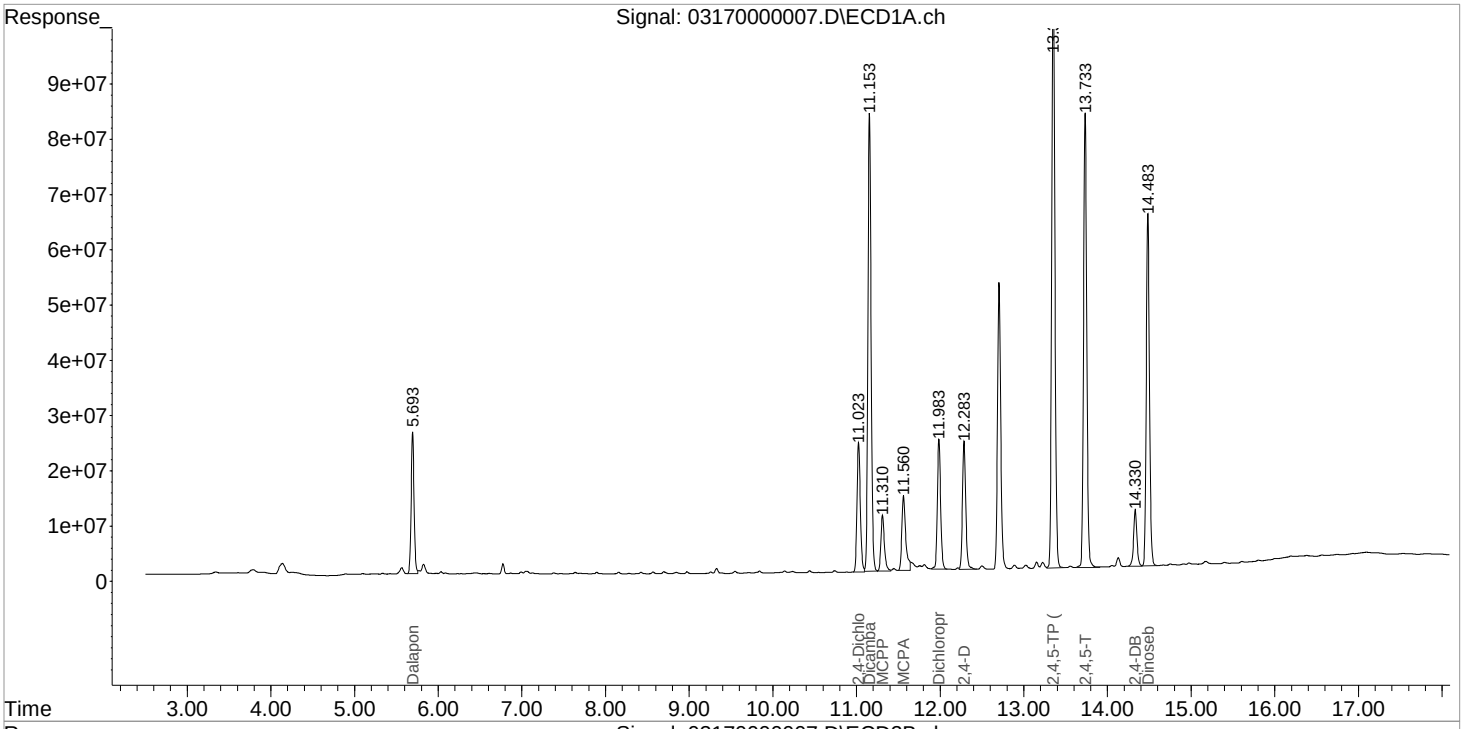
Quantitation Report (QT Reviewed)

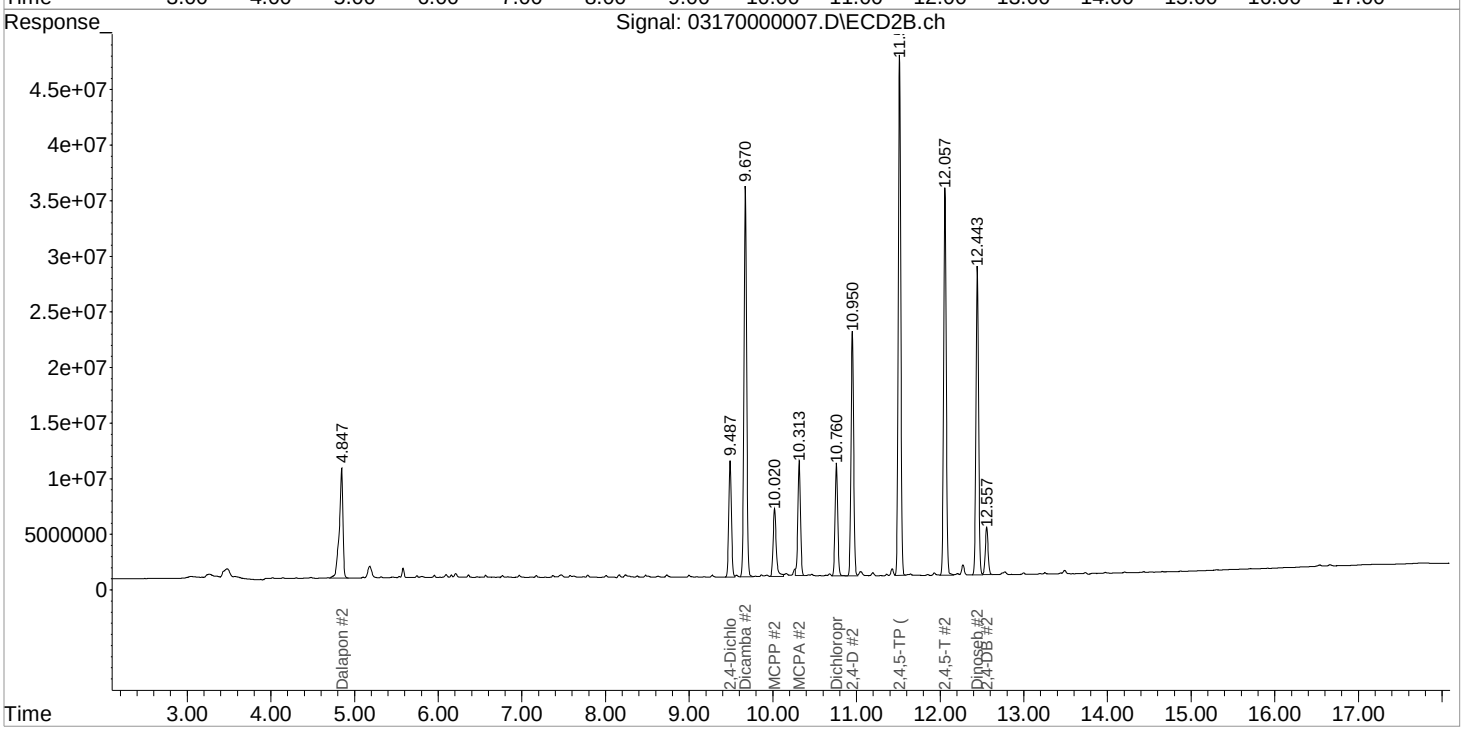
1st JTC 03/17/21
2nd 03/18/21

Data File : J:\GC34\DATA\031721\03170000007.D Vial: 3
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17-Mar-2021, 12:42:34 Operator: JTC
Sample : PENTA02-24K-75PPB Inst : GCI
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Mar 17 16:03:17 2021
Quant Results File: 031721_8151.RES

Quant Method : J:\GC34\METHODS\031721_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Tue Mar 02 07:39:59 2021
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 0.32 mm Signal #2 Info : 0.32 mm





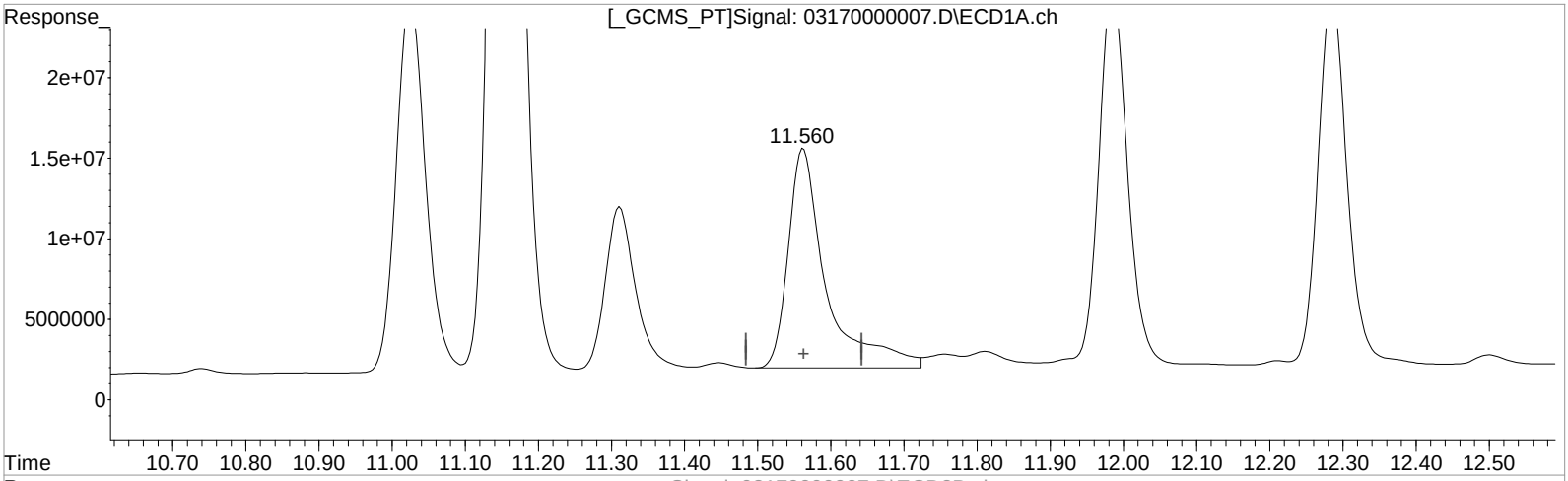
Quantitation Report (Qedit)

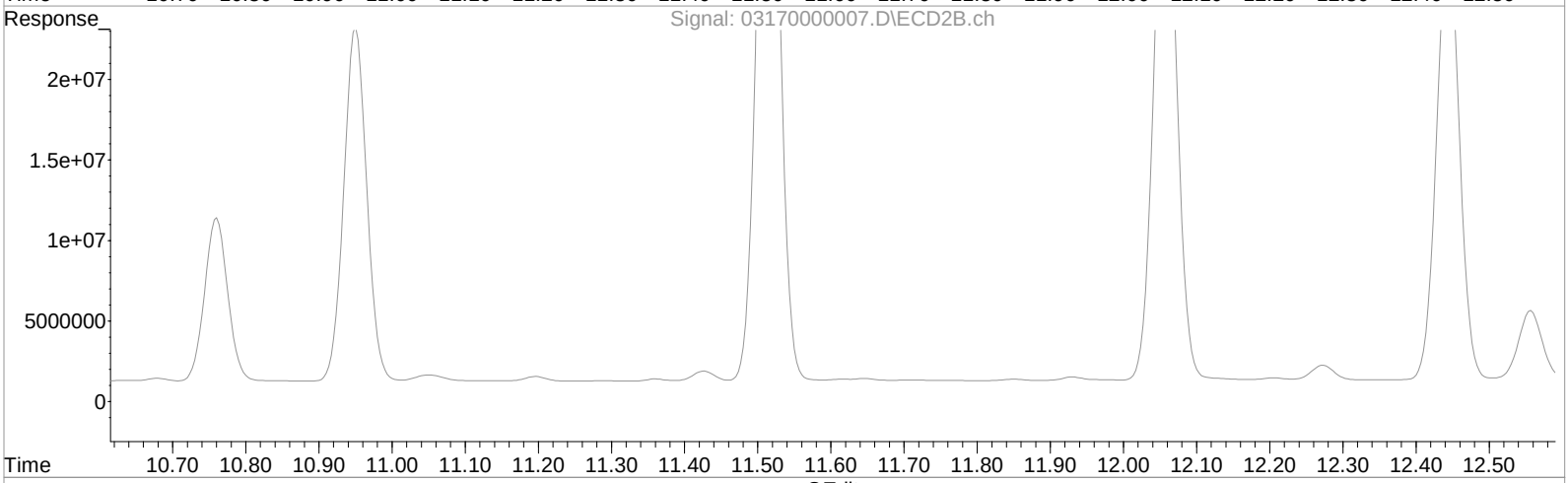
1st JTC 03/17/21
2nd 03/18/21

Data File : J:\GC34\DATA\031721\03170000007.D Vial: 3
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17-Mar-2021, 12:42:34 Operator: JTC
Sample : PENTA02-24K-75PPB Inst : GCI
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Mar 17 16:01:01 2021
Quant Results File: 031721_8151.RES

Quant Method : J:\GC34\METHODS\031721_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Tue Mar 02 07:39:59 2021
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 0.32 mm Signal #2 Info : 0.32 mm





QEdit

(5) MCPA (m)

11.560min 7038.934 ppb

response 49340542

(5) MCPA #2 (m)

10.313min 6674.719 ppb

response 22643214

Manual Integration:

Before

03/17/21

(+) = Expected Retention Time

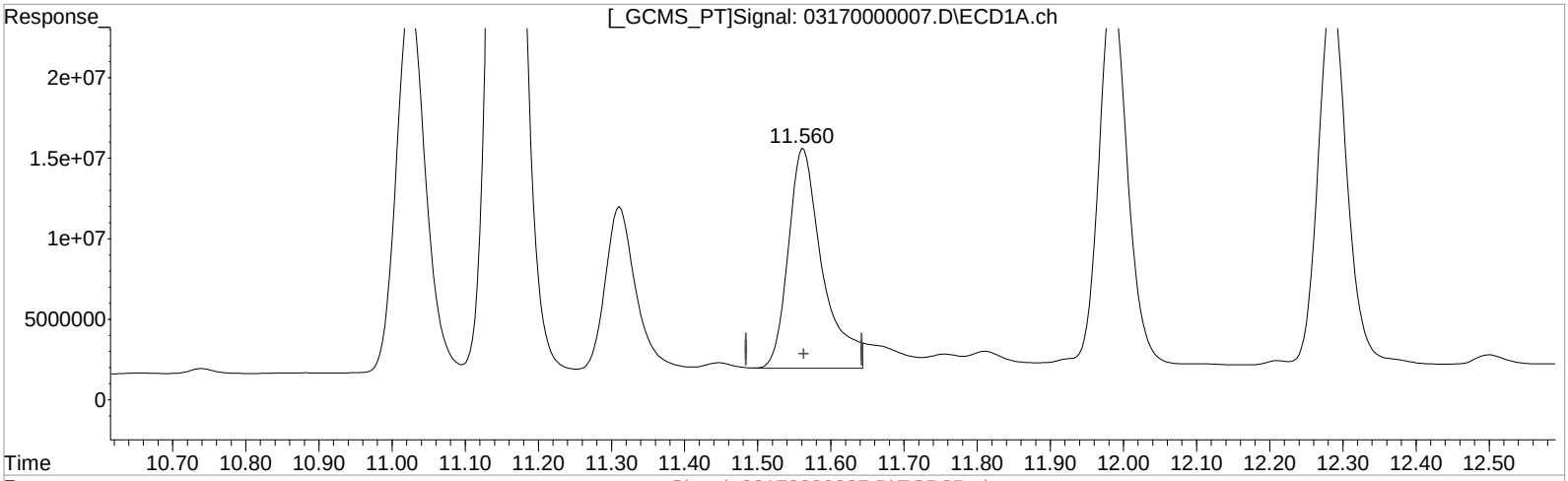
Quantitation Report (Qedit)

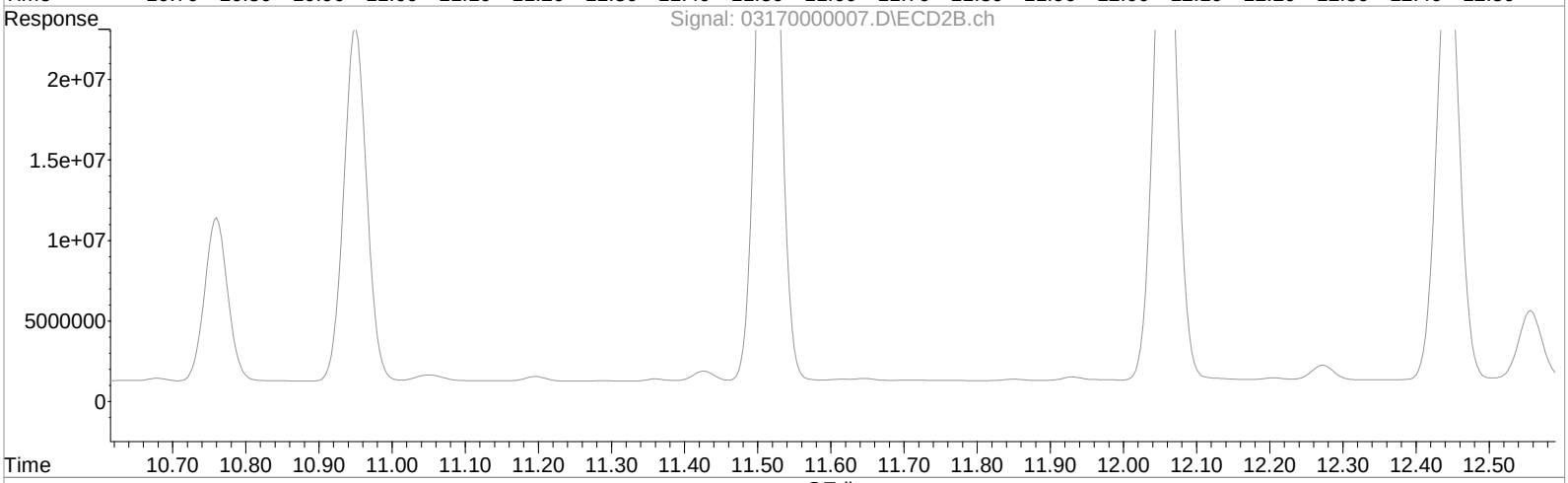
1st JTC 03/17/21
2nd 03/18/21

Data File : J:\GC34\DATA\031721\03170000007.D Vial: 3
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17-Mar-2021, 12:42:34 Operator: JTC
Sample : PENTA02-24K-75PPB Inst : GCI
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Mar 17 16:01:01 2021
Quant Results File: 031721_8151.RES

Quant Method : J:\GC34\METHODS\031721_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Tue Mar 02 07:39:59 2021
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 0.32 mm Signal #2 Info : 0.32 mm





QEdit

(5) MCPA (m)

11.560min 6221.087 ppb m

response 44209107

Manual Integration:

After

Baseline/Shoulder

03/17/21

(5) MCPA #2 (m)

10.313min 6674.719 ppb

response 22643214

(+) = Expected Retention Time

Quantitation Report (QT Reviewed)

1st JTC 03/17/21
2nd 03/18/21

Data File : J:\GC34\DATA\031721\03170000008.D Vial: 4
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17-Mar-2021, 13:06:33 Operator: JTC
Sample : PENTA02-24L-100PPB Inst : GCI
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Mar 17 15:59:49 2021
Quant Results File: 031721_8151.RES

Quant Method : J:\GC34\METHODS\031721_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Mar 17 15:58:47 2021
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 0.32 mm Signal #2 Info : 0.32 mm

		Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
		System Monitoring Compounds						
2)	s	2,4-Dichl...	11.023	9.490	92601078	32671085	86.607	89.660
		Target Compounds						
1)	m	Dalapon	5.693	4.847	89462223	42502837	92.816	95.942
3)	m	Dicamba	11.153	9.670	316.5E6	112.9E6	97.504	96.413
4)	m	MCPP	11.310	10.020	39837527	21334760	9280.115	9659.926
5)	m	MCPA	11.560	10.313	61063353	31771253	8932.358m	9365.463
6)	m	Dichloroprop	11.983	10.760	90900863	32274282	89.415	94.157
7)	m	2,4-D	12.283	10.950	93754244	68660480	86.641	94.035
8)	m	2,4,5-TP ...	13.353	11.513	418.7E6	140.9E6	91.749	97.978
9)	m	2,4,5-T	13.733	12.057	327.3E6	110.9E6	88.281	94.946
10)	m	2,4-DB	14.333	12.557	41568349	13872991	78.592	86.317
11)	m	Dinoseb	14.480	12.443	244.6E6	85842179	86.759	93.898

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

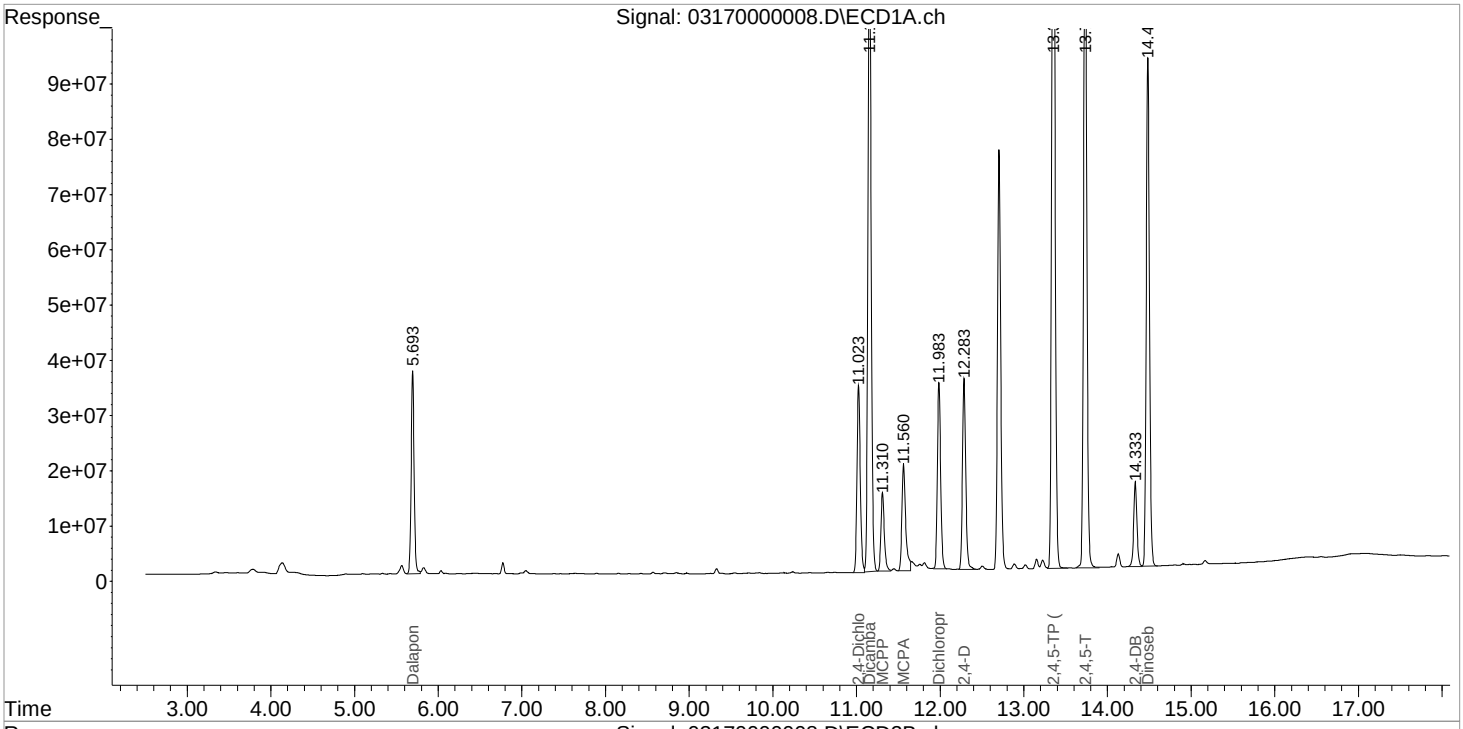
Quantitation Report (QT Reviewed)

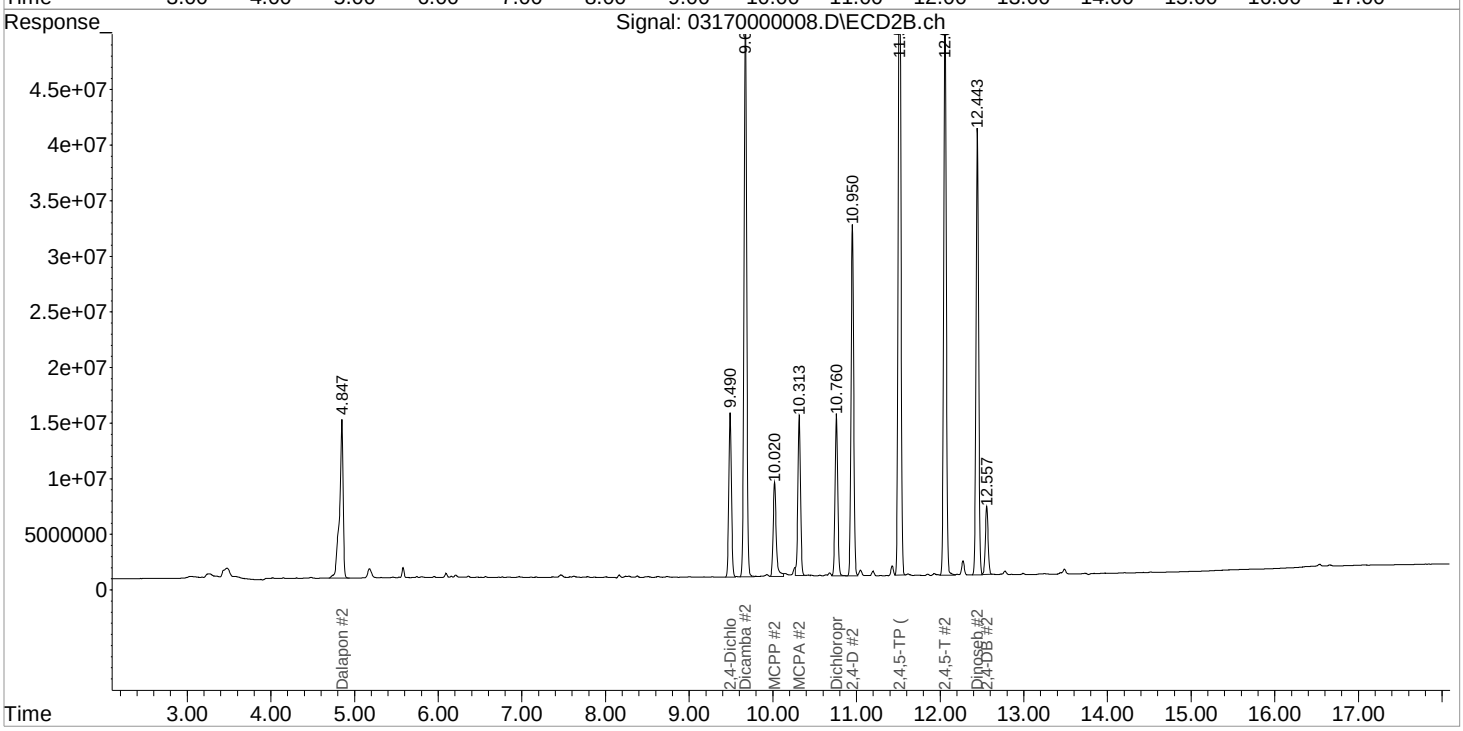
1st JTC 03/17/21
2nd 03/18/21

Data File : J:\GC34\DATA\031721\03170000008.D Vial: 4
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17-Mar-2021, 13:06:33 Operator: JTC
Sample : PENTA02-24L-100PPB Inst : GCI
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Mar 17 15:59:49 2021
Quant Results File: 031721_8151.RES

Quant Method : J:\GC34\METHODS\031721_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Mar 17 15:58:47 2021
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 0.32 mm Signal #2 Info : 0.32 mm



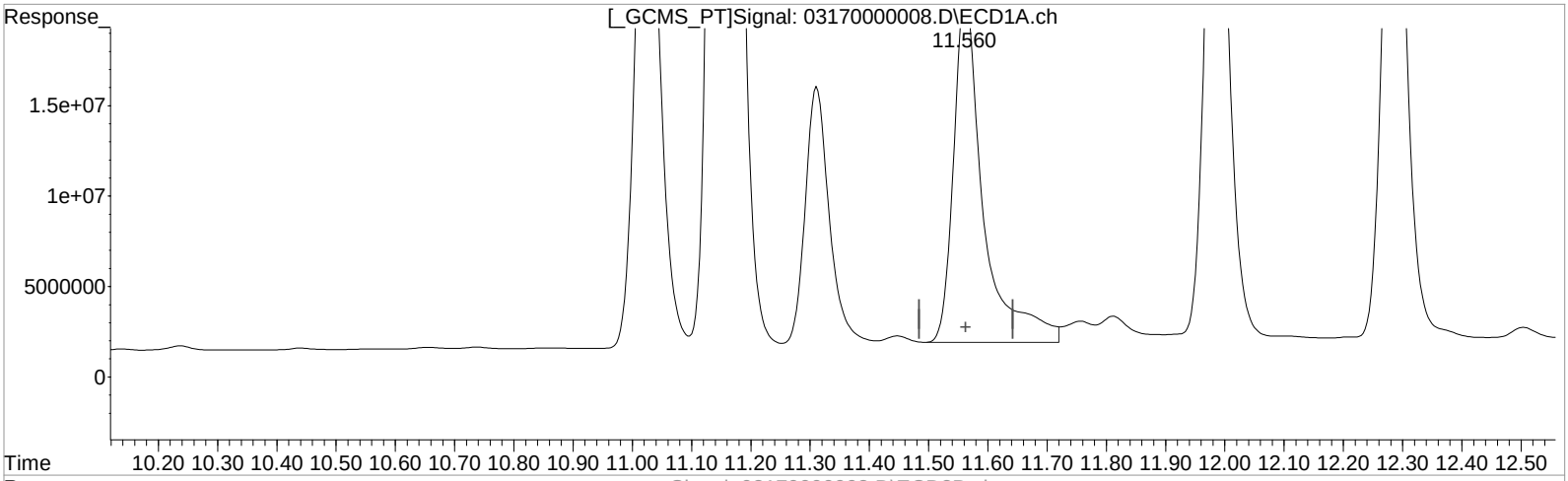


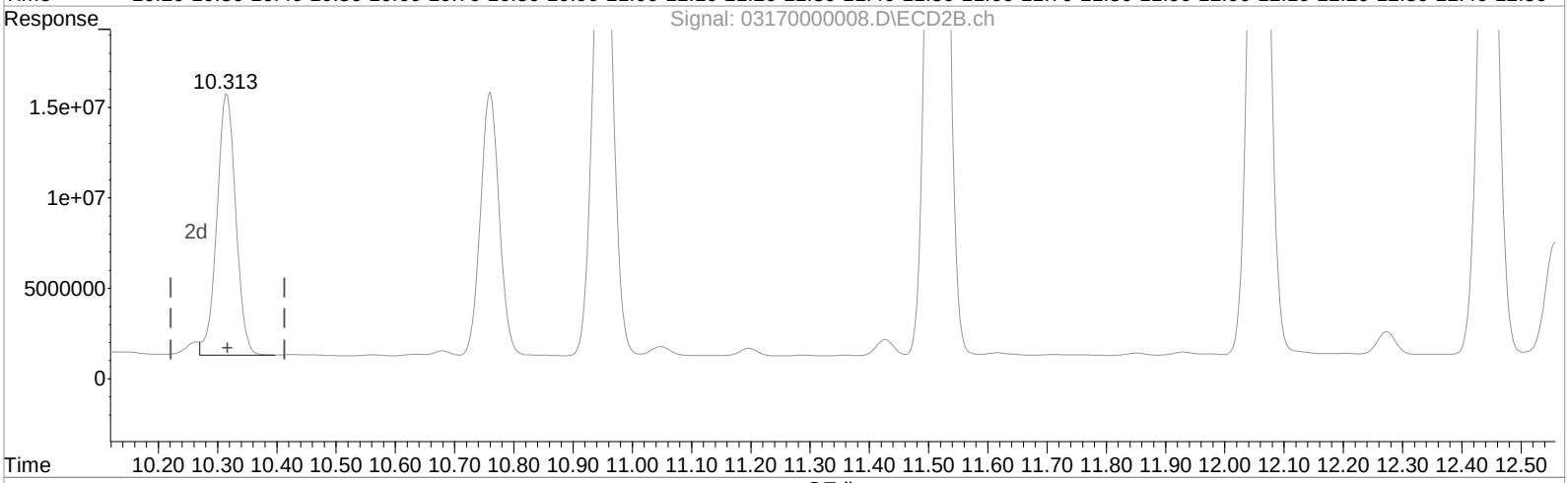
1st JTC 03/17/21
2nd 03/18/21

Data File : J:\GC34\DATA\031721\03170000008.D Vial: 4
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17-Mar-2021, 13:06:33 Operator: JTC
Sample : PENTA02-24L-100PPB Inst : GCI
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Mar 17 15:59:20 2021
Quant Results File: 031721_8151.RES

Quant Method : J:\GC34\METHODS\031721_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Mar 17 15:58:47 2021
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 0.32 mm Signal #2 Info : 0.32 mm





QEdit

(5) MCPA (m)

11.560min 9865.258 ppb

response 66758538

(5) MCPA #2 (m)

10.313min 9365.463 ppb

response 31771253

Manual Integration:

Before

03/17/21

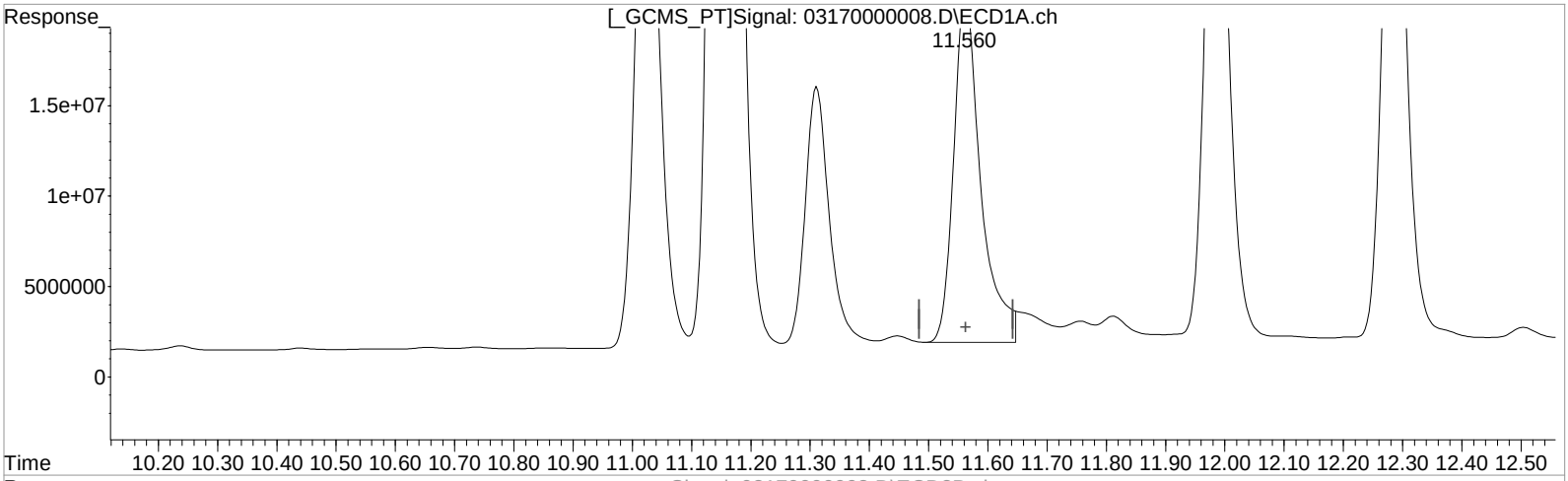
(+) = Expected Retention Time

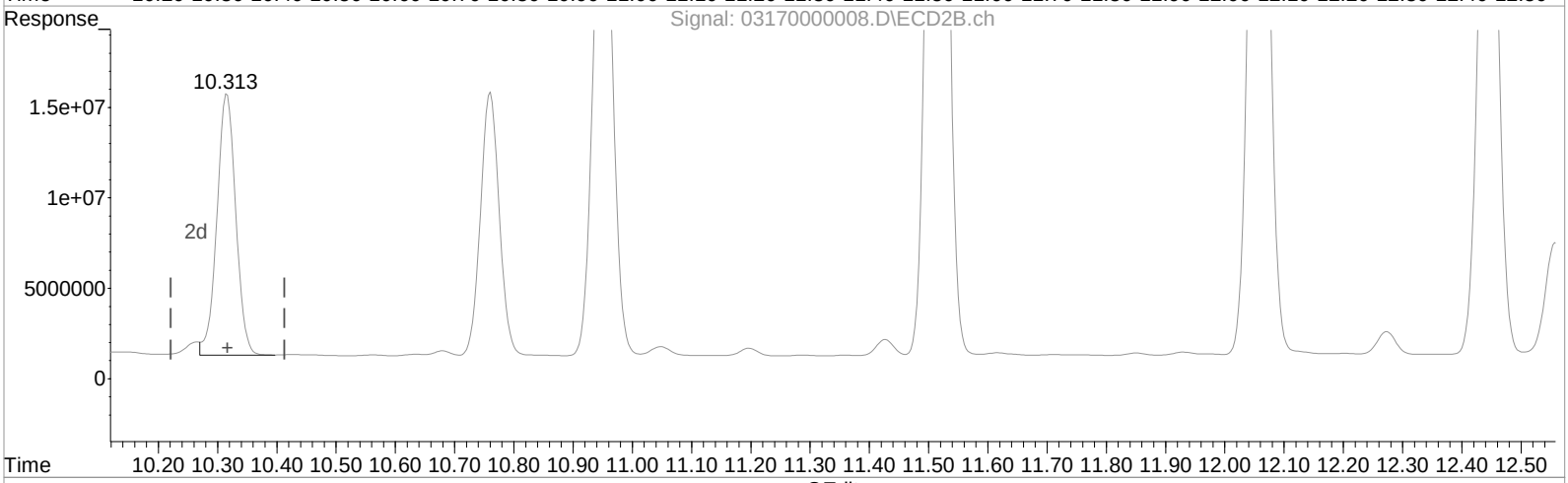
1st JTC 03/17/21
2nd 03/18/21

Data File : J:\GC34\DATA\031721\03170000008.D Vial: 4
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17-Mar-2021, 13:06:33 Operator: JTC
Sample : PENTA02-24L-100PPB Inst : GCI
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Mar 17 15:59:20 2021
Quant Results File: 031721_8151.RES

Quant Method : J:\GC34\METHODS\031721_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Mar 17 15:58:47 2021
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 0.32 mm Signal #2 Info : 0.32 mm





QEdit

(5) MCPA (m)

11.560min 8932.358 ppb m

response 61063353

Manual Integration:

After

Baseline/Shoulder

03/17/21

(5) MCPA #2 (m)

10.313min 9365.463 ppb

response 31771253

(+) = Expected Retention Time

Quantitation Report (QT Reviewed)

1st JTC 03/17/21
2nd 03/18/21

Data File : J:\GC34\DATA\031721\03170000009.D Vial: 5
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17-Mar-2021, 13:30:41 Operator: JTC
Sample : PENTA02-24M-125PPB Inst : GCI
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Mar 17 16:03:59 2021
Quant Results File: 031721_8151.RES

Quant Method : J:\GC34\METHODS\031721_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Tue Mar 02 07:39:59 2021
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 0.32 mm Signal #2 Info : 0.32 mm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
2) s	2,4-Dichl...	11.023	9.490	118.1E6	40925938	110.453	112.314
	Target Compounds						
1) m	Dalapon	5.693	4.847	113.3E6	53635970	117.546	121.073
3) m	Dicamba	11.153	9.670	407.1E6	144.1E6	125.440	123.058
4) m	MCPP	11.310	10.020	50459370	26070497	11952.293	12214.754
5) m	MCPA	11.560	10.317	75699123	39770806	11347.725m	11723.554
6) m	Dichloroprop	11.983	10.760	116.4E6	40990630	114.543	119.586
7) m	2,4-D	12.283	10.950	120.6E6	86921919	111.481	119.046
8) m	2,4,5-TP ...	13.353	11.513	539.7E6	179.7E6	118.274	124.963
9) m	2,4,5-T	13.730	12.057	422.4E6	142.5E6	113.923	122.005
10) m	2,4-DB	14.333	12.557	53499481	17504233	101.150	108.911
11) m	Dinoseb	14.480	12.443	314.2E6	109.2E6	111.445	119.489

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

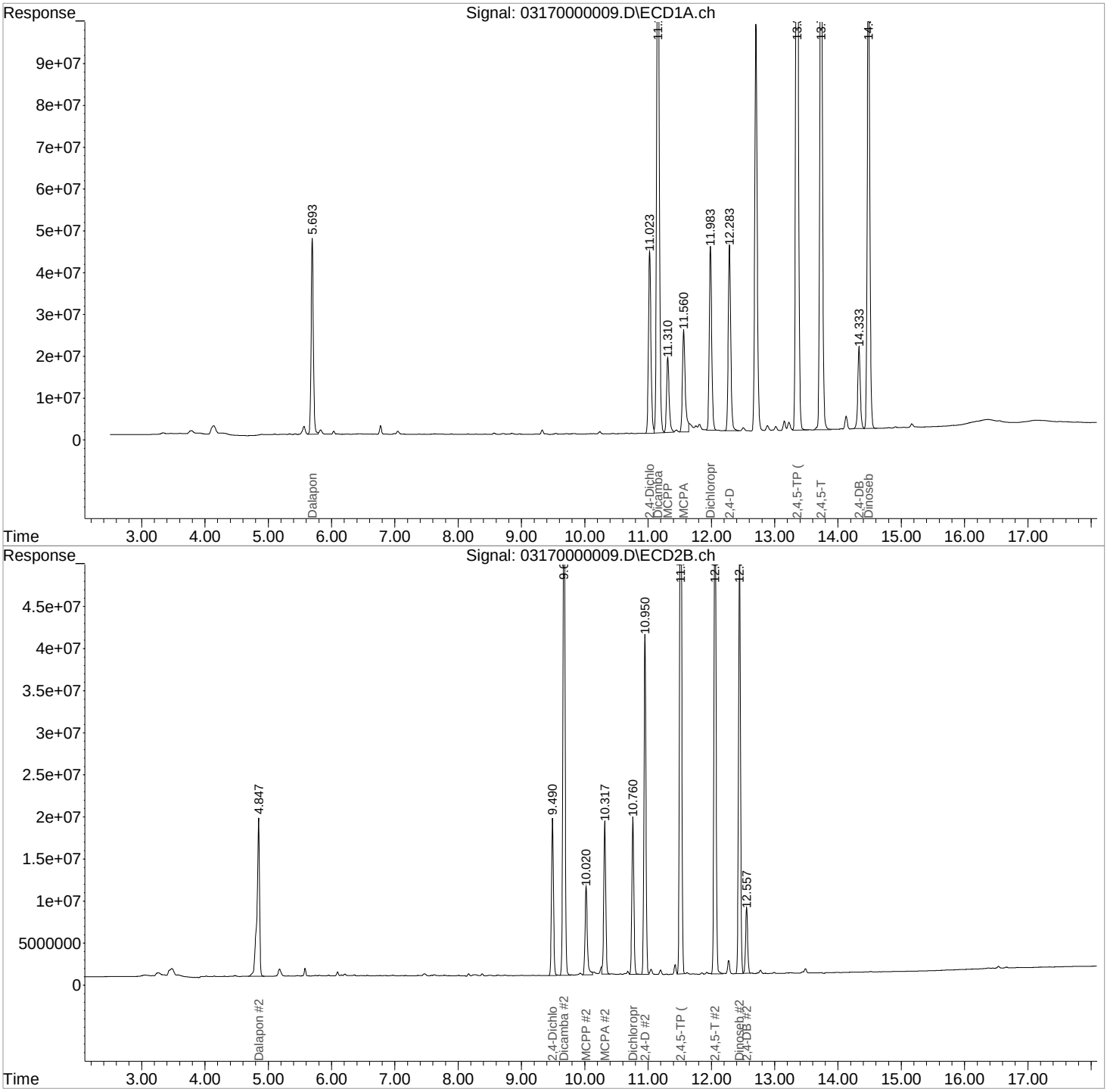
Quantitation Report (QT Reviewed)

1st JTC 03/17/21
2nd 03/18/21

Data File : J:\GC34\DATA\031721\03170000009.D Vial: 5
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17-Mar-2021, 13:30:41 Operator: JTC
Sample : PENTA02-24M-125PPB Inst : GCI
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Mar 17 16:03:59 2021
Quant Results File: 031721_8151.RES

Quant Method : J:\GC34\METHODS\031721_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Tue Mar 02 07:39:59 2021
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 0.32 mm Signal #2 Info : 0.32 mm

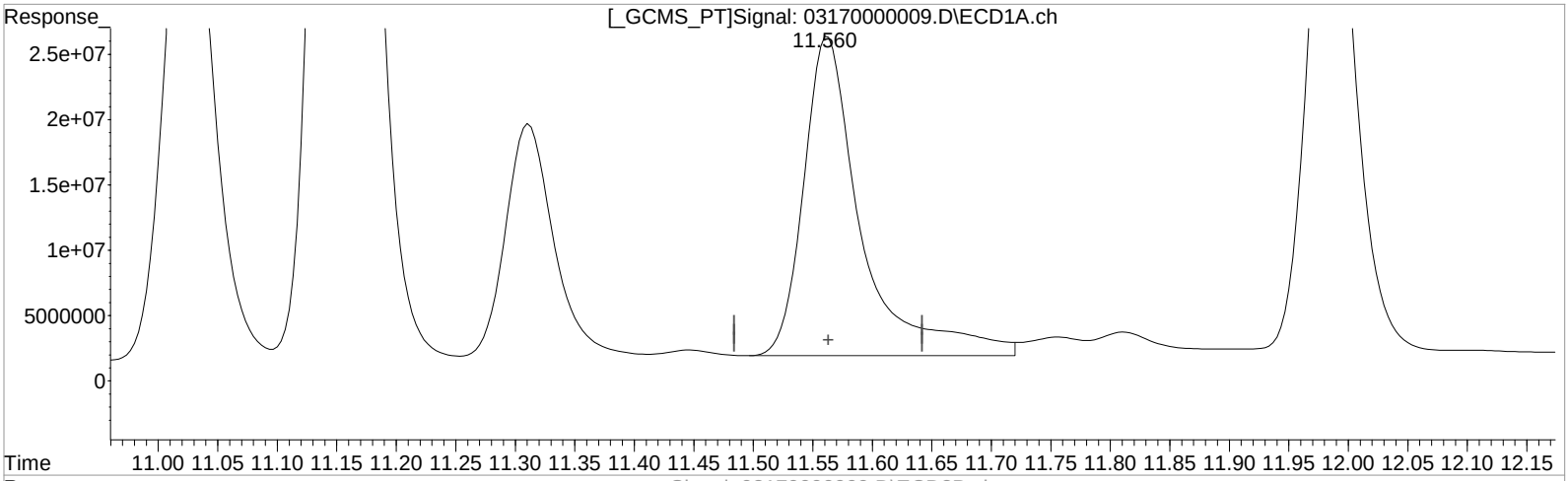


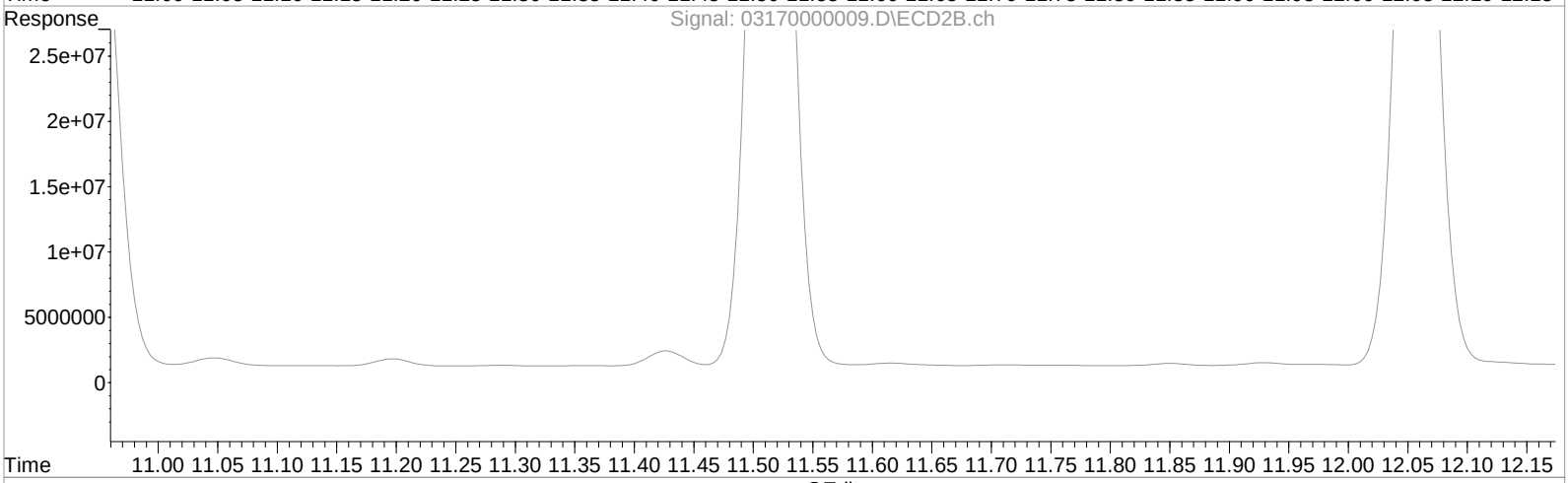
1st JTC 03/17/21
2nd 03/18/21

Data File : J:\GC34\DATA\031721\03170000009.D Vial: 5
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17-Mar-2021, 13:30:41 Operator: JTC
Sample : PENTA02-24M-125PPB Inst : GCI
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Mar 17 16:01:03 2021
Quant Results File: 031721_8151.RES

Quant Method : J:\GC34\METHODS\031721_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Tue Mar 02 07:39:59 2021
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 0.32 mm Signal #2 Info : 0.32 mm





QEdit

(5) MCPA (m)

11.560min 12513.329 ppb

response 82634268

Manual Integration:

Before

03/17/21

(5) MCPA #2 (m)

10.317min 11723.554 ppb

response 39770806

(+) = Expected Retention Time

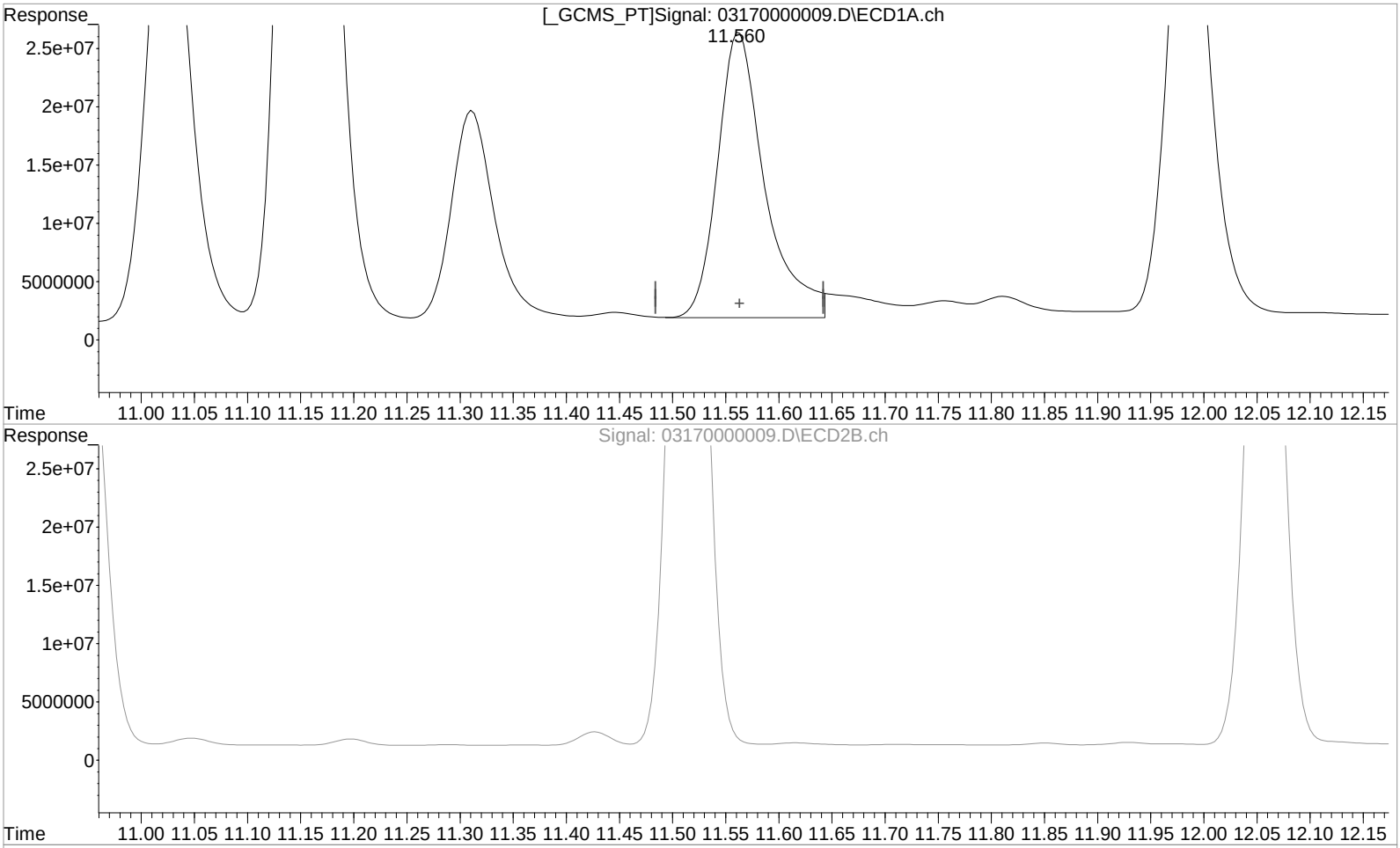
Quantitation Report (Qedit)

1st JTC 03/17/21
2nd 03/18/21

Data File : J:\GC34\DATA\031721\03170000009.D Vial: 5
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17-Mar-2021, 13:30:41 Operator: JTC
Sample : PENTA02-24M-125PPB Inst : GCI
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Mar 17 16:01:03 2021
Quant Results File: 031721_8151.RES

Quant Method : J:\GC34\METHODS\031721_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Tue Mar 02 07:39:59 2021
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 0.32 mm Signal #2 Info : 0.32 mm



QEdit

(5) MCPA (m)

11.560min 11347.725 ppb m

response 75699123

Manual Integration:

After

Baseline/Shoulder

03/17/21

(5) MCPA #2 (m)

10.317min 11723.554 ppb

response 39770806

(+) = Expected Retention Time

Quantitation Report (QT Reviewed)

1st JTC 03/17/21
2nd 03/18/21

Data File : J:\GC34\DATA\031721\03170000010.D Vial: 6
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17-Mar-2021, 13:54:44 Operator: JTC
Sample : PENTA02-24N-150PPB Inst : GCI
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Mar 17 16:04:37 2021
Quant Results File: 031721_8151.RES

Quant Method : J:\GC34\METHODS\031721_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Tue Mar 02 07:39:59 2021
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 0.32 mm Signal #2 Info : 0.32 mm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
2) s	2,4-Dichl...	11.027	9.490	138.9E6	48104860	129.944	132.015
	Target Compounds						
1) m	Dalapon	5.693	4.847	133.2E6	63089987	138.235	142.414
3) m	Dicamba	11.153	9.673	480.6E6	171.1E6	148.059	146.071
4) m	MCPP	11.310	10.020	58703701	29997246	14036.657	14432.166
5) m	MCPA	11.563	10.313	88508014	46549894	13511.656m	13721.880
6) m	Dichloroprop	11.987	10.760	138.0E6	48576498	135.762	141.717
7) m	2,4-D	12.283	10.950	144.2E6	102.4E6	133.232	140.183
8) m	2,4,5-TP ...	13.353	11.513	643.8E6	212.1E6	141.079	147.481
9) m	2,4,5-T	13.733	12.057	508.1E6	169.4E6	137.046	145.021
10) m	2,4-DB	14.333	12.557	64188667	20699665	121.360	128.792
11) m	Dinoseb	14.483	12.443	375.1E6	129.0E6	133.052	141.107

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

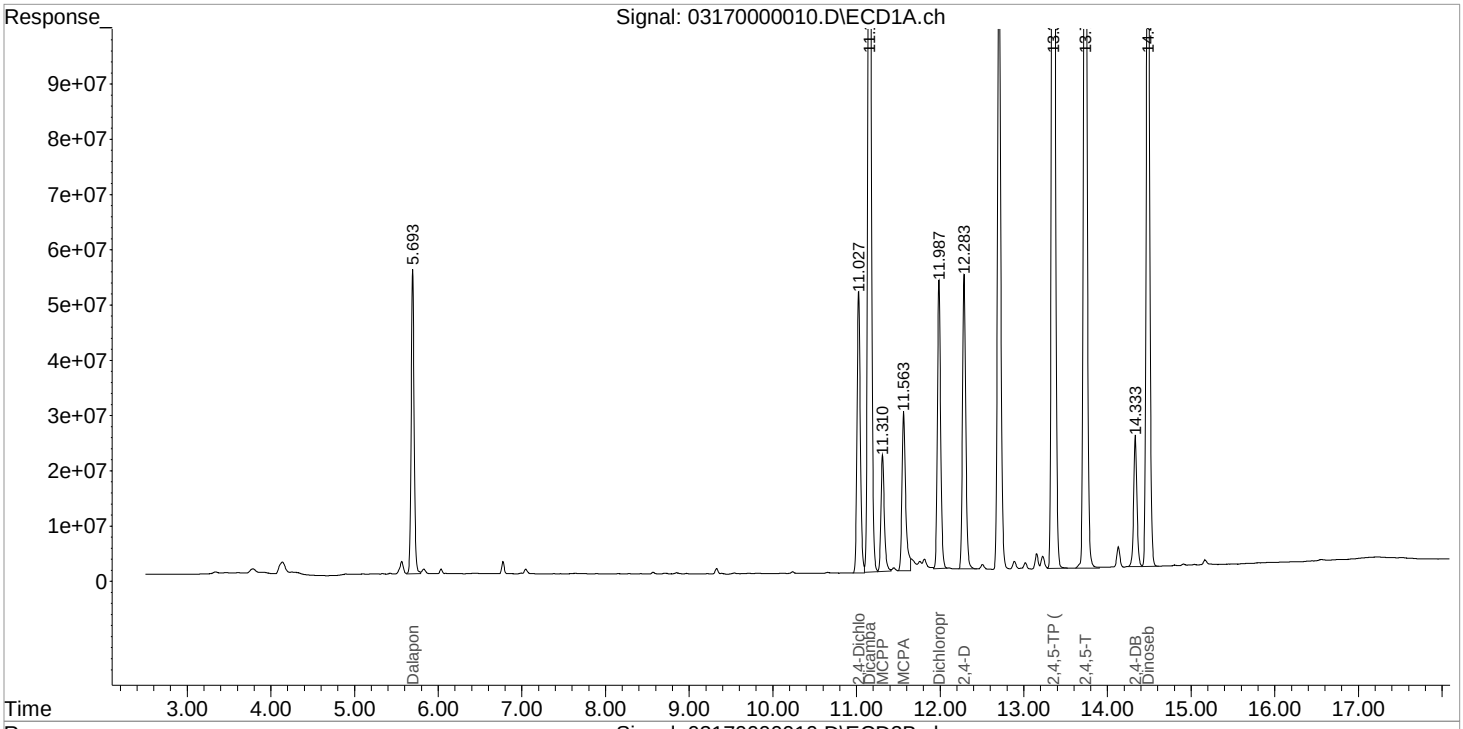
Quantitation Report (QT Reviewed)

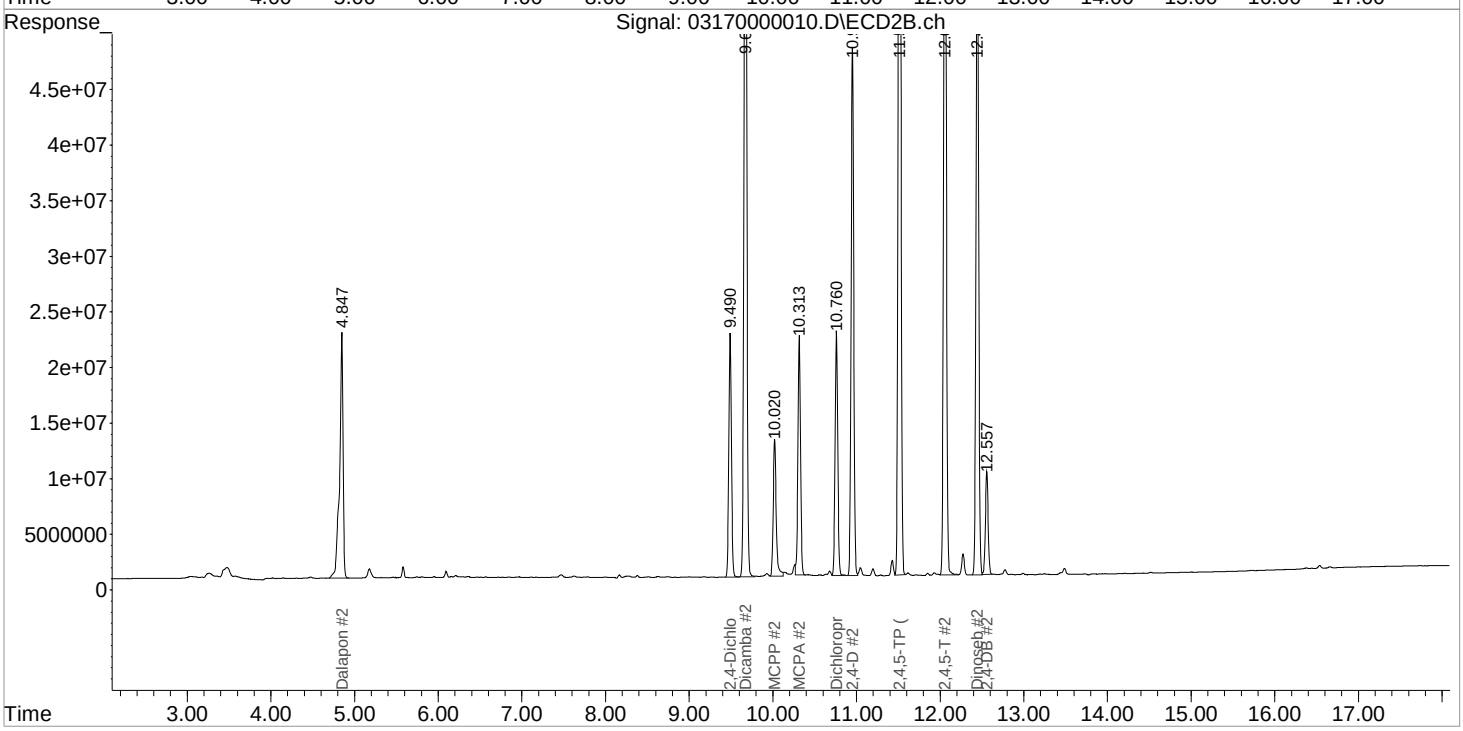
1st JTC 03/17/21
2nd 03/18/21

Data File : J:\GC34\DATA\031721\03170000010.D Vial: 6
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17-Mar-2021, 13:54:44 Operator: JTC
Sample : PENTA02-24N-150PPB Inst : GCI
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Mar 17 16:04:37 2021
Quant Results File: 031721_8151.RES

Quant Method : J:\GC34\METHODS\031721_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Tue Mar 02 07:39:59 2021
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 0.32 mm Signal #2 Info : 0.32 mm





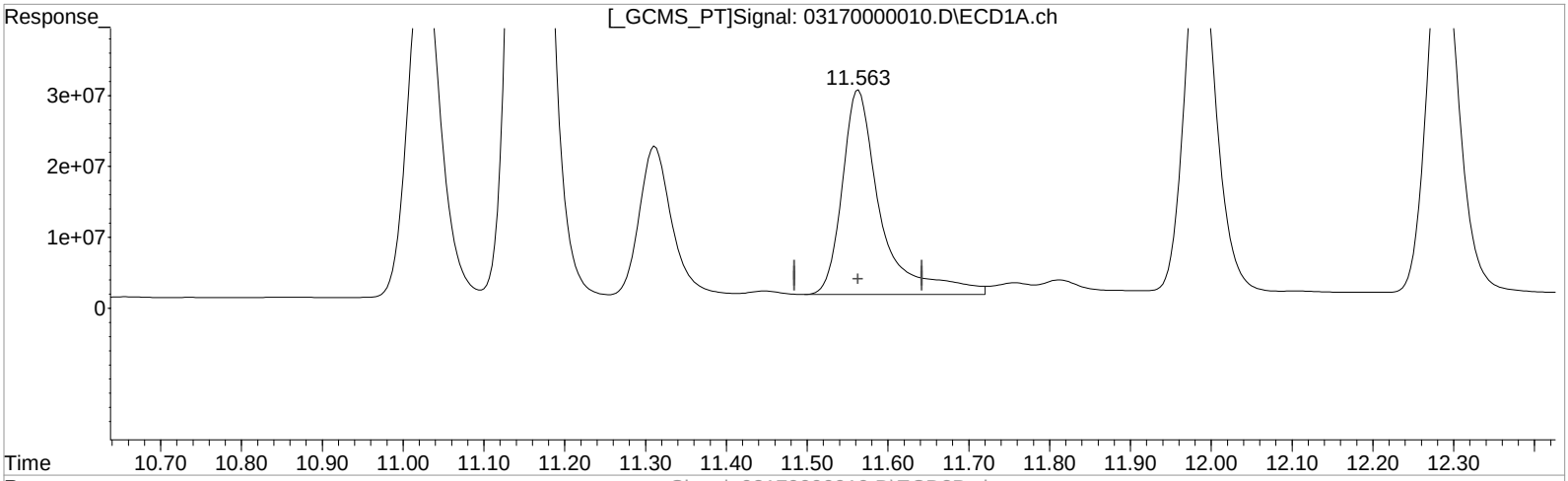
Quantitation Report (Qedit)

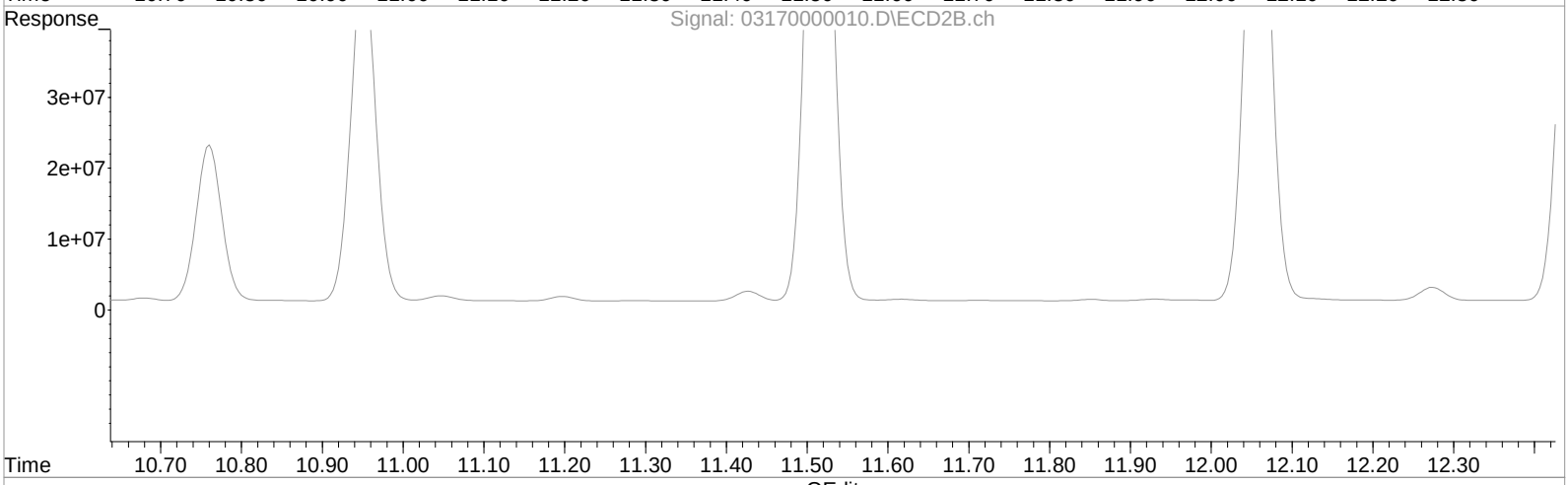
1st JTC 03/17/21
2nd 03/18/21

Data File : J:\GC34\DATA\031721\03170000010.D Vial: 6
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17-Mar-2021, 13:54:44 Operator: JTC
Sample : PENTA02-24N-150PPB Inst : GCI
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Mar 17 16:01:07 2021
Quant Results File: 031721_8151.RES

Quant Method : J:\GC34\METHODS\031721_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Tue Mar 02 07:39:59 2021
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 0.32 mm Signal #2 Info : 0.32 mm





QEdit

(5) MCPA (m)

11.563min 14712.862 ppb

response 95494552

Manual Integration:

Before

03/17/21

(5) MCPA #2 (m)

10.313min 13721.880 ppb

response 46549894

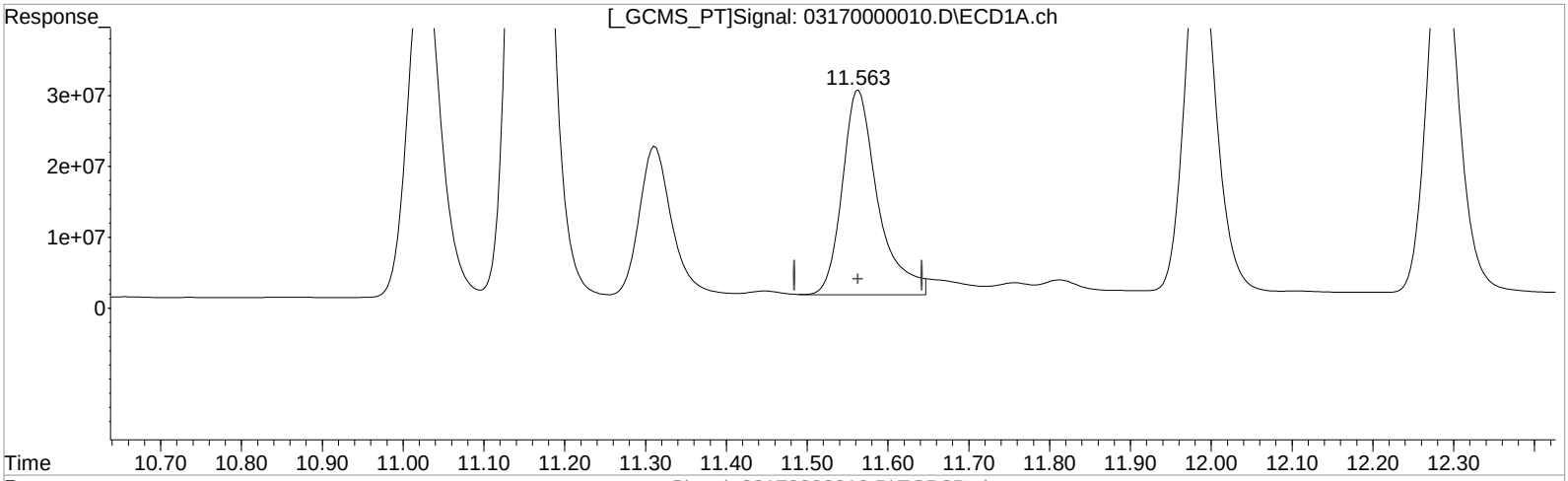
(+) = Expected Retention Time

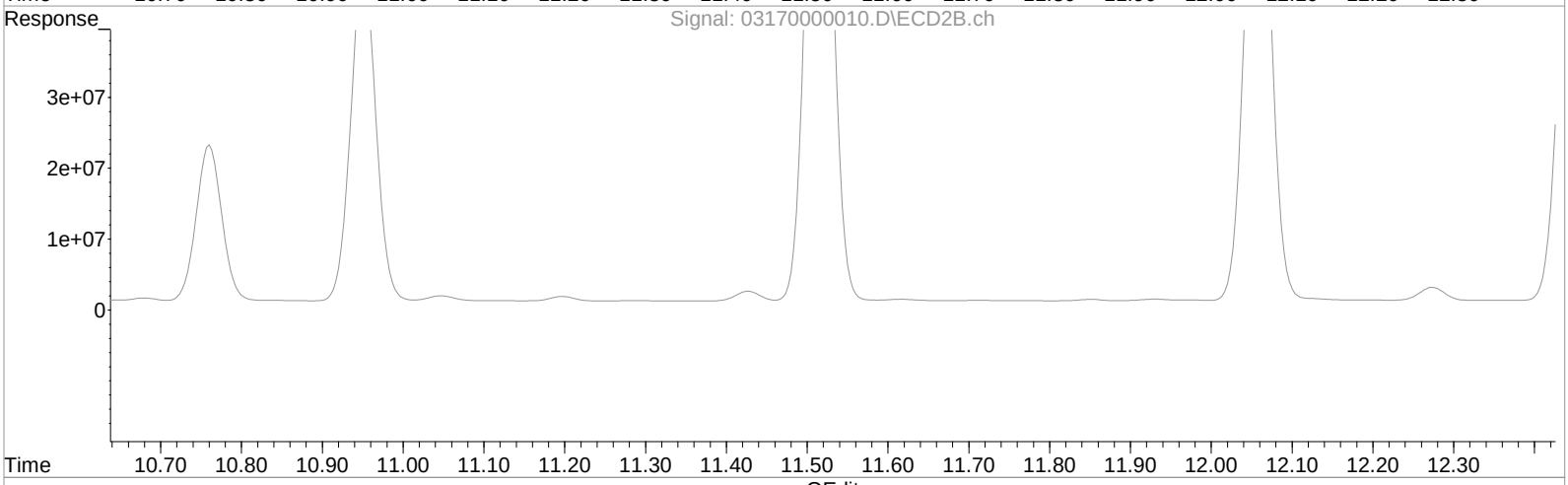
1st JTC 03/17/21
2nd 03/18/21

Data File : J:\GC34\DATA\031721\03170000010.D Vial: 6
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17-Mar-2021, 13:54:44 Operator: JTC
Sample : PENTA02-24N-150PPB Inst : GCI
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Mar 17 16:01:07 2021
Quant Results File: 031721_8151.RES

Quant Method : J:\GC34\METHODS\031721_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Tue Mar 02 07:39:59 2021
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 0.32 mm Signal #2 Info : 0.32 mm





QEdit

(5) MCPA (m)

11.563min 13511.656 ppb m

response 88508014

Manual Integration:

After

Baseline/Shoulder

03/17/21

(5) MCPA #2 (m)

10.313min 13721.880 ppb

response 46549894

(+) = Expected Retention Time

Quantitation Report (QT Reviewed)

1st JTC 03/17/21
2nd 03/18/21

Data File : J:\GC34\DATA\031721\03170000011.D Vial: 7
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17-Mar-2021, 14:18:48 Operator: JTC
Sample : PENTA02-25A-175PPB Inst : GCI
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Mar 17 16:05:16 2021
Quant Results File: 031721_8151.RES

Quant Method : J:\GC34\METHODS\031721_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Tue Mar 02 07:39:59 2021
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 0.32 mm Signal #2 Info : 0.32 mm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
2) s	2,4-Dichl...	11.023	9.490	161.7E6	56529267	151.216	155.134
	Target Compounds						
1) m	Dalapon	5.693	4.850	155.7E6	73835540	161.507	166.670
3) m	Dicamba	11.153	9.673	557.6E6	203.4E6	171.801	173.640
4) m	MCPP	11.310	10.020	67518680	34762410	16275.406	17262.994
5) m	MCPA	11.563	10.317	102.6E6	54679974	15957.589m	16118.447
6) m	Dichloroprop	11.983	10.760	160.5E6	57627620	157.908	168.122
7) m	2,4-D	12.287	10.950	171.4E6	120.6E6	158.382	165.223
8) m	2,4,5-TP ...	13.353	11.513	762.1E6	250.9E6	167.000	174.466
9) m	2,4,5-T	13.733	12.057	612.4E6	201.5E6	165.167	172.475
10) m	2,4-DB	14.330	12.557	77920613	24574967	147.322	152.904
11) m	Dinoseb	14.480	12.443	449.1E6	153.1E6	159.282	167.456

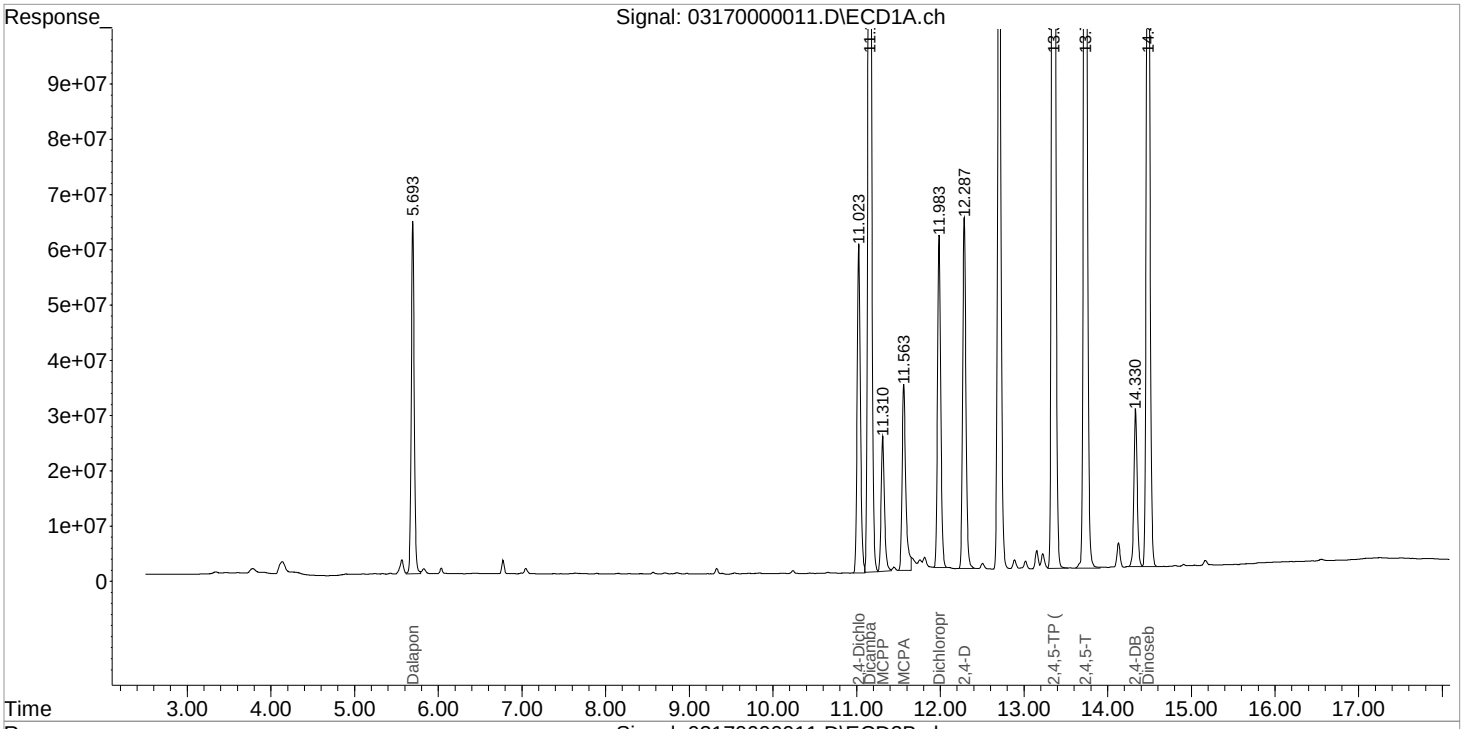
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

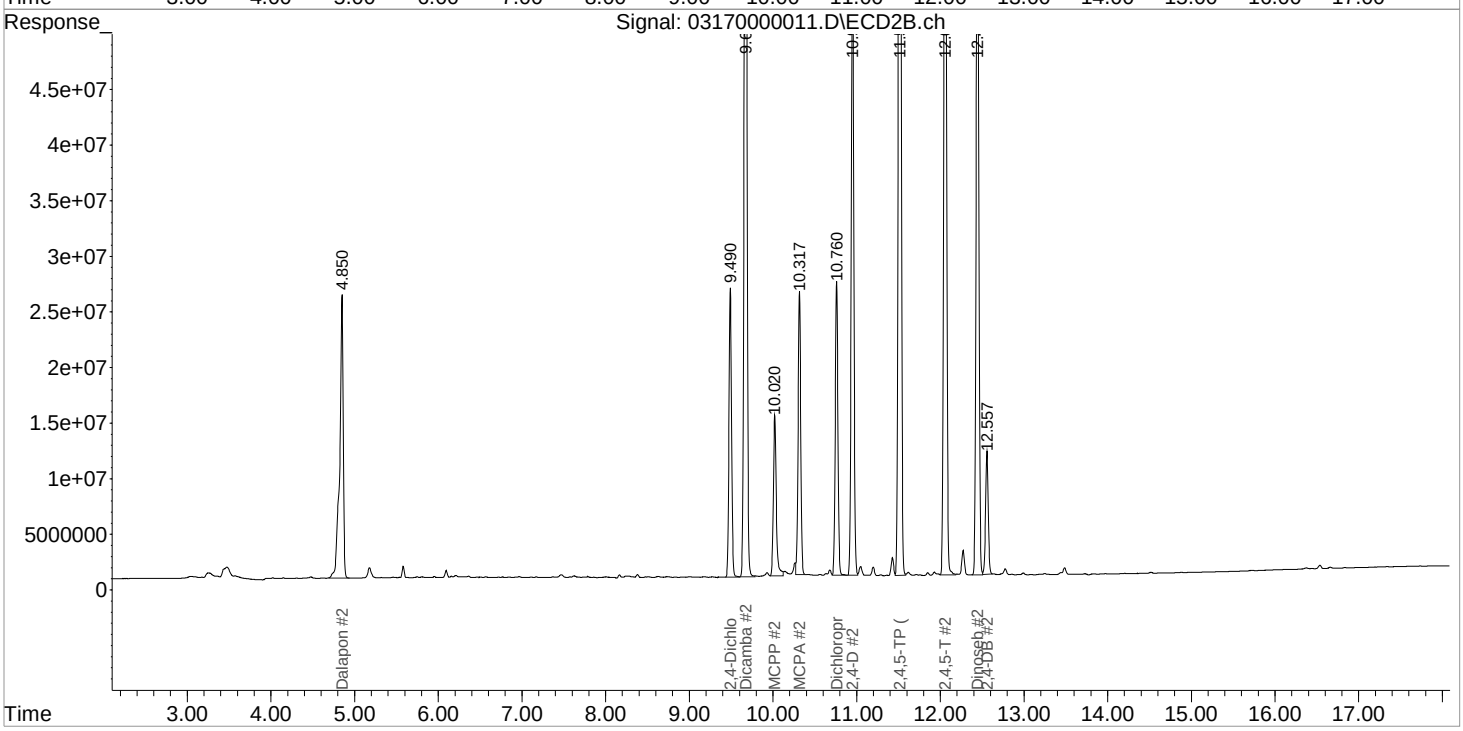
1st JTC 03/17/21
2nd 03/18/21

Data File : J:\GC34\DATA\031721\03170000011.D Vial: 7
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17-Mar-2021, 14:18:48 Operator: JTC
Sample : PENTA02-25A-175PPB Inst : GCI
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Mar 17 16:05:16 2021
Quant Results File: 031721_8151.RES

Quant Method : J:\GC34\METHODS\031721_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Tue Mar 02 07:39:59 2021
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 0.32 mm Signal #2 Info : 0.32 mm





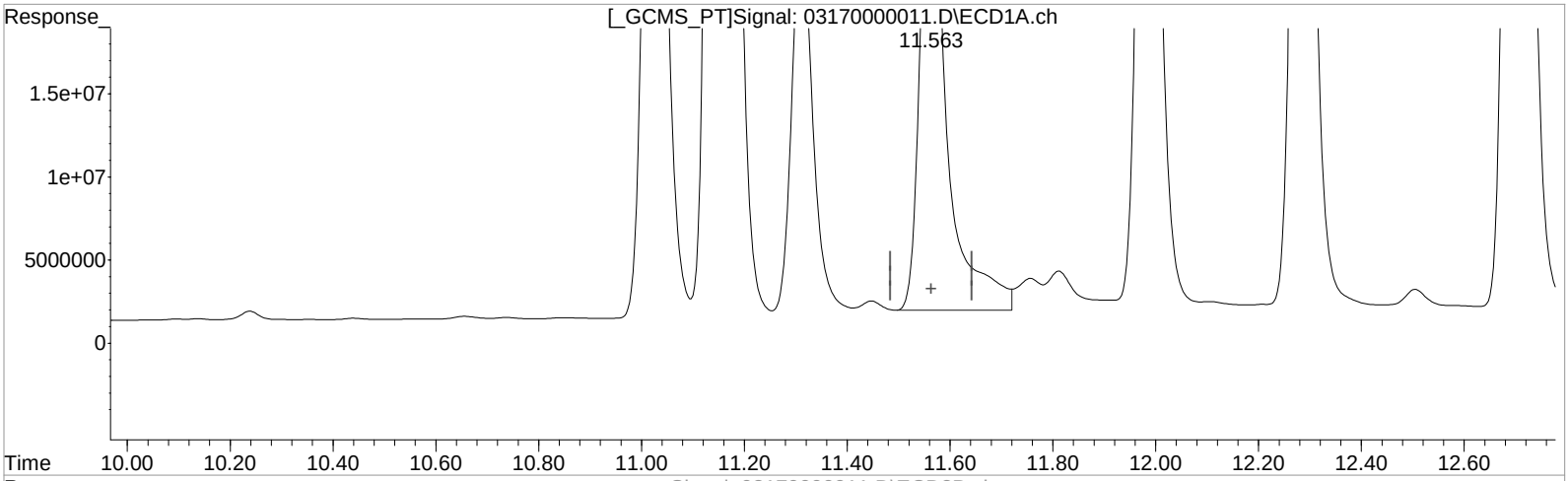
Quantitation Report (Qedit)

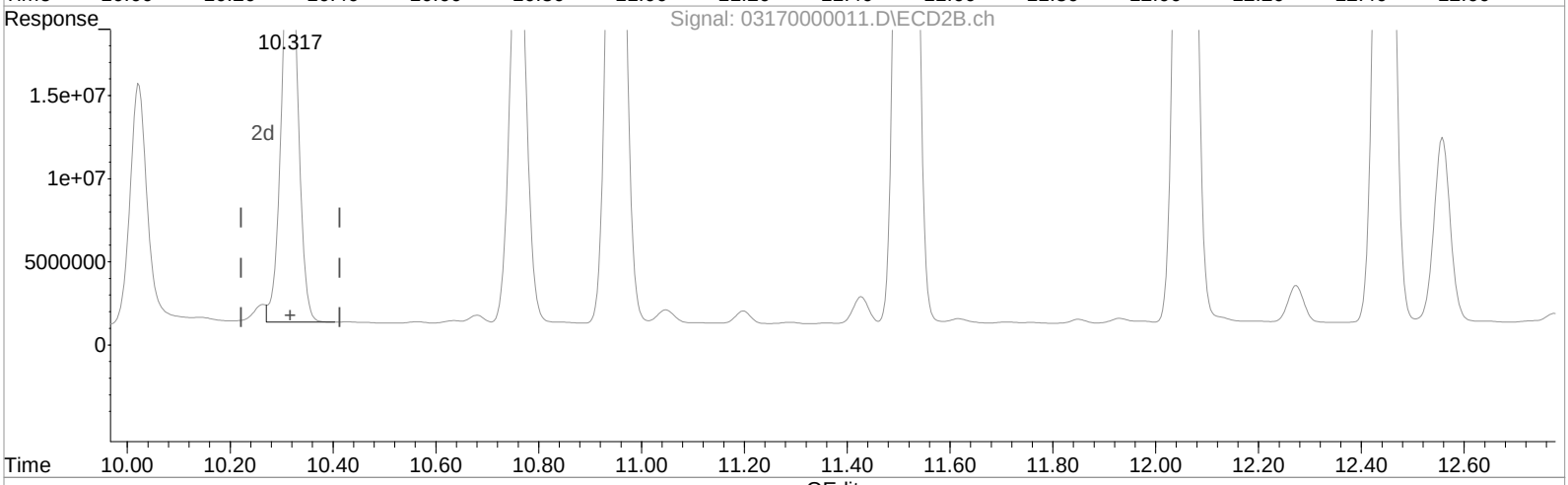
1st JTC 03/17/21
2nd 03/18/21

Data File : J:\GC34\DATA\031721\03170000011.D Vial: 7
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17-Mar-2021, 14:18:48 Operator: JTC
Sample : PENTA02-25A-175PPB Inst : GCI
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Mar 17 16:01:10 2021
Quant Results File: 031721_8151.RES

Quant Method : J:\GC34\METHODS\031721_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Tue Mar 02 07:39:59 2021
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 0.32 mm Signal #2 Info : 0.32 mm





QEdit

(5) MCPA (m)

11.563min 17207.454 ppb

response 109721555

(5) MCPA #2 (m)

10.317min 16118.447 ppb

response 54679974

Manual Integration:

Before

03/17/21

(+) = Expected Retention Time

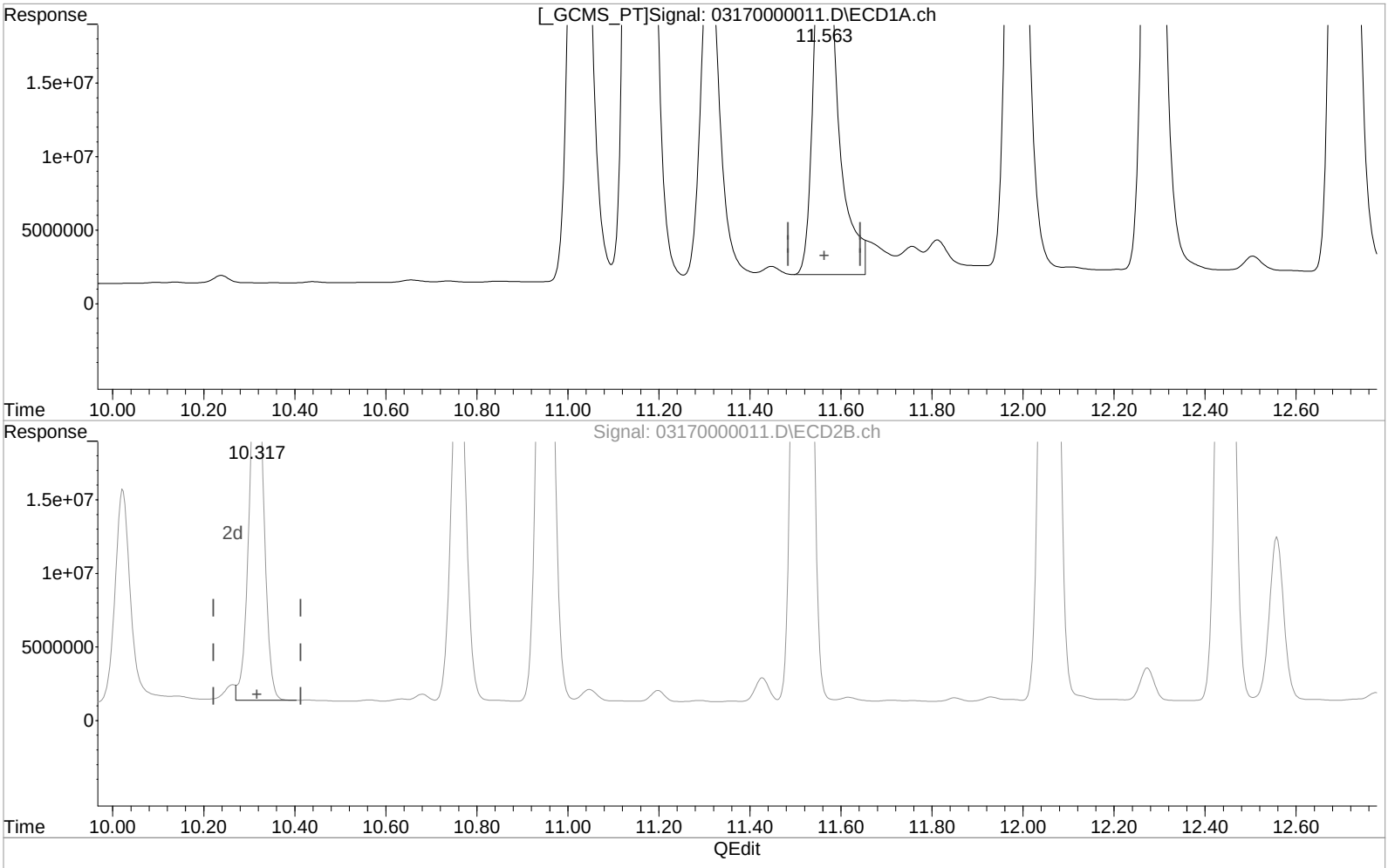
Quantitation Report (Qedit)

1st JTC 03/17/21
2nd 03/18/21

Data File : J:\GC34\DATA\031721\03170000011.D Vial: 7
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17-Mar-2021, 14:18:48 Operator: JTC
Sample : PENTA02-25A-175PPB Inst : GCI
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Mar 17 16:01:10 2021
Quant Results File: 031721_8151.RES

Quant Method : J:\GC34\METHODS\031721_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Tue Mar 02 07:39:59 2021
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 0.32 mm Signal #2 Info : 0.32 mm



(5) MCPA (m)

11.563min 15957.589 ppb m

response 102641020

Manual Integration:

After

Baseline/Shoulder

03/17/21

(5) MCPA #2 (m)

10.317min 16118.447 ppb

response 54679974

(+) = Expected Retention Time

Quantitation Report (QT Reviewed)

1st JTC 03/17/21
2nd 03/18/21

Data File : J:\GC34\DATA\031721\03170000012.D Vial: 8
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17-Mar-2021, 14:42:52 Operator: JTC
Sample : PENTA02-25B-200PPB Inst : GCI
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Mar 17 16:05:53 2021
Quant Results File: 031721_8151.RES

Quant Method : J:\GC34\METHODS\031721_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Tue Mar 02 07:39:59 2021
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 0.32 mm Signal #2 Info : 0.32 mm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
	System Monitoring Compounds						
2) s	2,4-Dichl...	11.027	9.490	189.0E6	65625124	176.796	180.096
	Target Compounds						
1) m	Dalapon	5.693	4.847	182.3E6	86760882	189.090	195.846
3) m	Dicamba	11.157	9.673	653.9E6	238.7E6	201.462	203.773
4) m	MCPP	11.310	10.020	77331593	40032007	18780.069	20606.166
5) m	MCPA	11.563	10.317	118.1E6	63469315	18707.832m	18709.351
6) m	Dichloroprop	11.987	10.760	187.9E6	67445860	184.783	196.766
7) m	2,4-D	12.287	10.950	201.8E6	141.0E6	186.469	193.089
8) m	2,4,5-TP ...	13.353	11.517	894.0E6	293.4E6	195.908	204.057
9) m	2,4,5-T	13.733	12.057	719.9E6	237.1E6	194.151	202.981
10) m	2,4-DB	14.333	12.557	91657401	28756131	173.294	178.920
11) m	Dinoseb	14.483	12.443	525.2E6	178.6E6	186.299	195.360

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

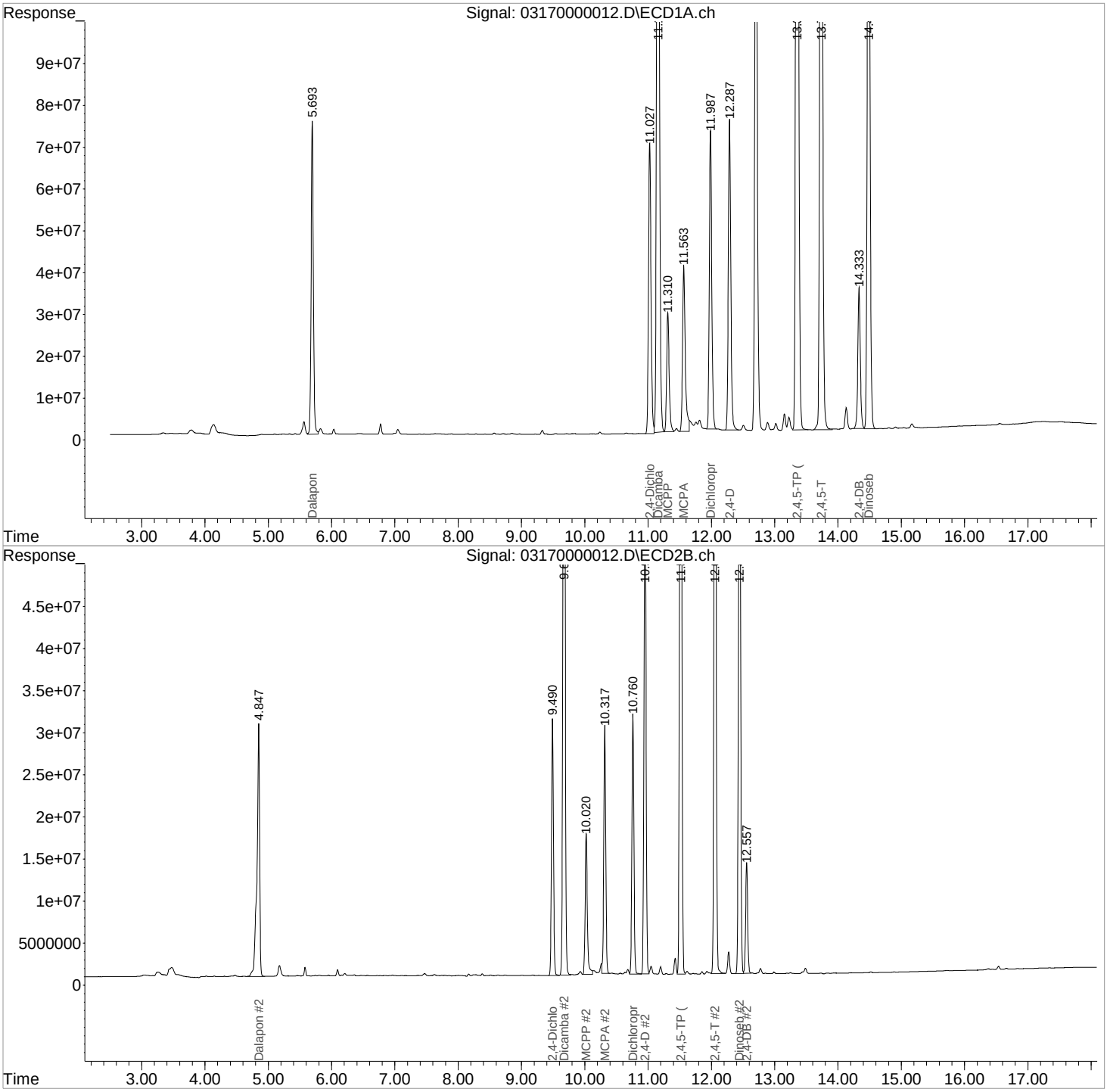
Quantitation Report (QT Reviewed)

1st JTC 03/17/21
2nd 03/18/21

Data File : J:\GC34\DATA\031721\03170000012.D Vial: 8
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17-Mar-2021, 14:42:52 Operator: JTC
Sample : PENTA02-25B-200PPB Inst : GCI
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Mar 17 16:05:53 2021
Quant Results File: 031721_8151.RES

Quant Method : J:\GC34\METHODS\031721_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Tue Mar 02 07:39:59 2021
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 0.32 mm Signal #2 Info : 0.32 mm



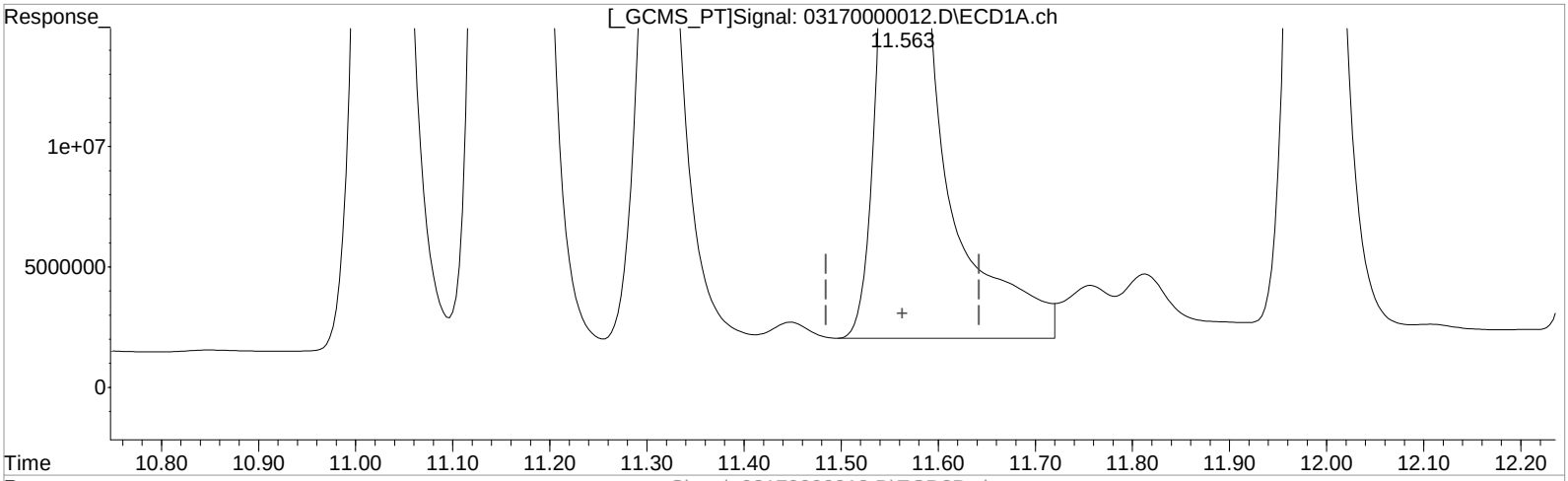
Quantitation Report (Qedit)

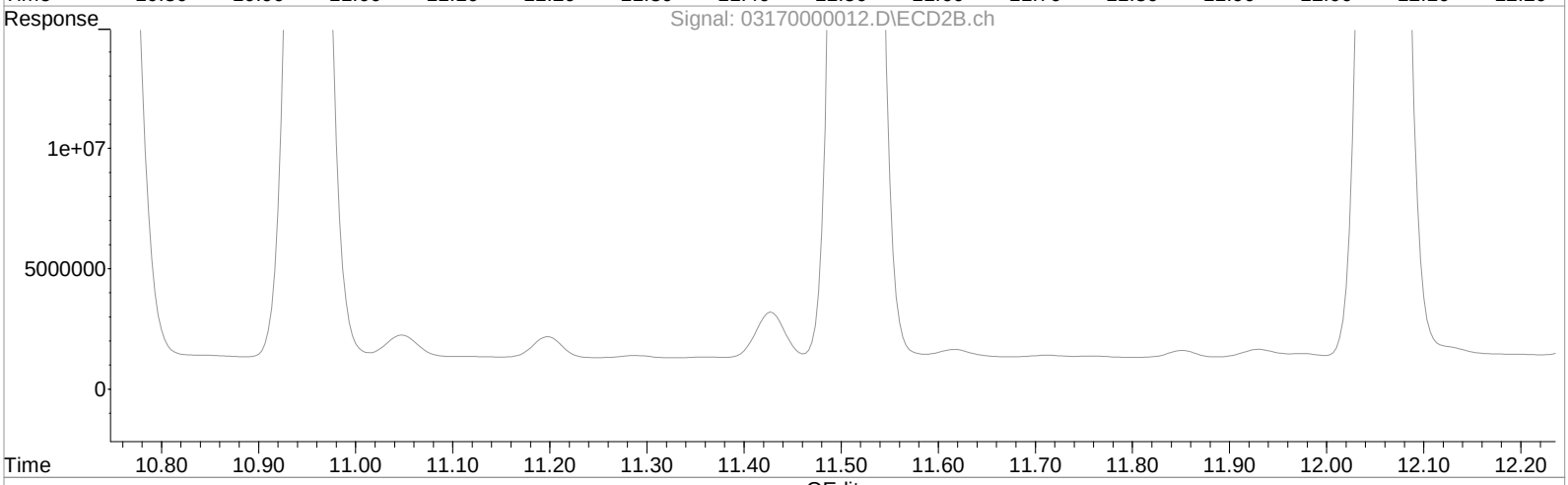
1st JTC 03/17/21
2nd 03/18/21

Data File : J:\GC34\DATA\031721\03170000012.D Vial: 8
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17-Mar-2021, 14:42:52 Operator: JTC
Sample : PENTA02-25B-200PPB Inst : GCI
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Mar 17 16:01:12 2021
Quant Results File: 031721_8151.RES

Quant Method : J:\GC34\METHODS\031721_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Tue Mar 02 07:39:59 2021
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 0.32 mm Signal #2 Info : 0.32 mm





QEdit

(5) MCPA (m)

11.563min 20234.310 ppb

response 126472577

(5) MCPA #2 (m)

10.317min 18709.351 ppb

response 63469315

Manual Integration:

Before

03/17/21

(+) = Expected Retention Time

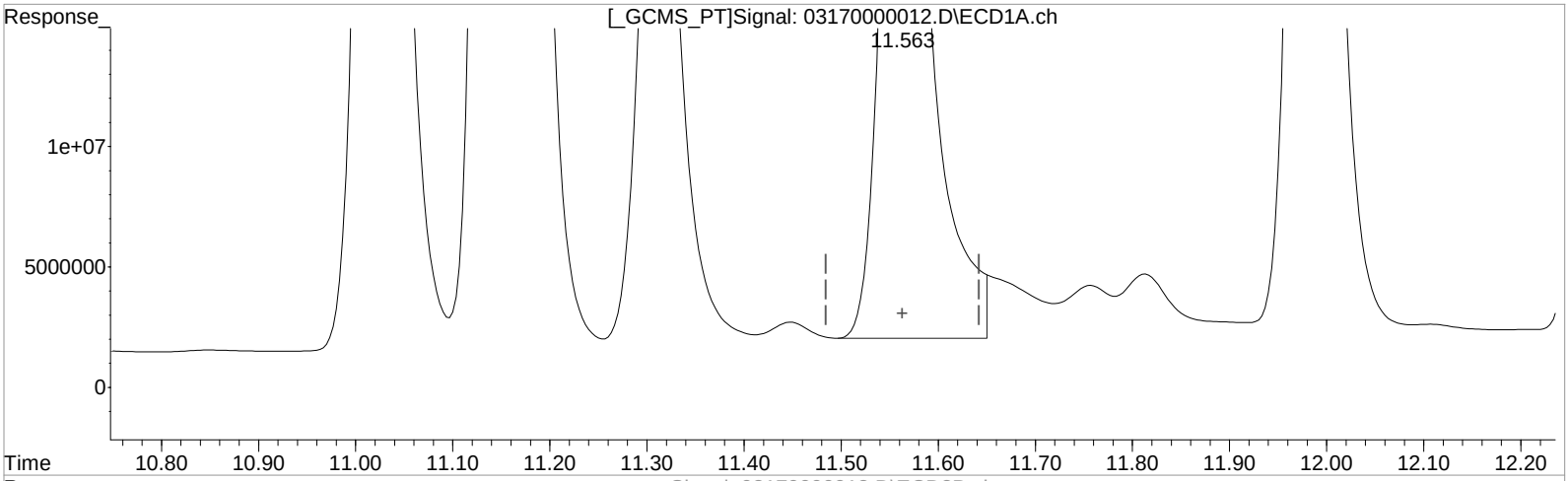
Quantitation Report (Qedit)

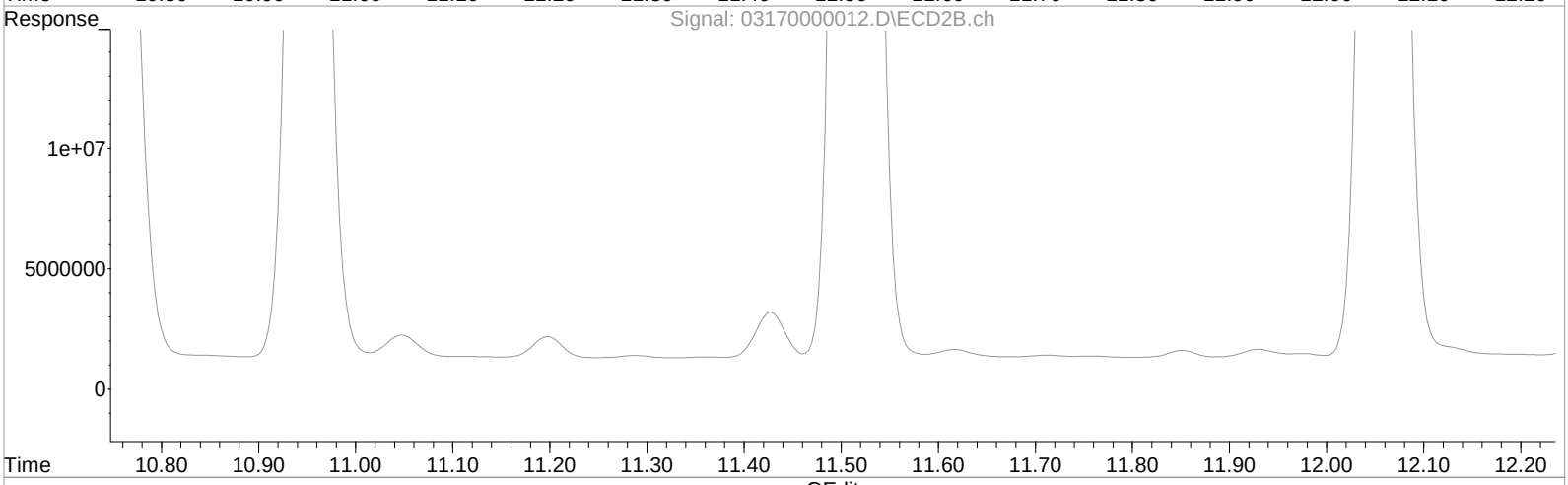
1st JTC 03/17/21
2nd 03/18/21

Data File : J:\GC34\DATA\031721\03170000012.D Vial: 8
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17-Mar-2021, 14:42:52 Operator: JTC
Sample : PENTA02-25B-200PPB Inst : GCI
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Mar 17 16:01:12 2021
Quant Results File: 031721_8151.RES

Quant Method : J:\GC34\METHODS\031721_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Tue Mar 02 07:39:59 2021
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 0.32 mm Signal #2 Info : 0.32 mm





QEdit

(5) MCPA (m)

11.563min 18707.832 ppb m

response 118094950

(5) MCPA #2 (m)

10.317min 18709.351 ppb

response 63469315

Manual Integration:

After

Baseline/Shoulder

03/17/21

(+) = Expected Retention Time

Quantitation Report (QT Reviewed)

1st JTC 03/17/21
2nd 03/18/21

Data File : J:\GC34\DATA\031721\03170000013.D Vial: 9
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17-Mar-2021, 15:06:56 Operator: JTC
Sample : PENTA02-25C-100PPB ICV Inst : GCI
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Mar 17 16:54:55 2021
Quant Results File: 031721_8151.RES

Quant Method : J:\GC34\METHODS\031721_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Mar 17 16:17:29 2021
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 0.32 mm Signal #2 Info : 0.32 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	5.693	4.850	92118184	44156847	94.188	93.039
3)	m	Dicamba	11.157	9.673	330.3E6	118.0E6	100.464	98.301
4)	m	MCPP	11.310	10.020	40950119	21594461	8999.133	9658.931
5)	m	MCPA	11.563	10.317	60754998	29586385	8898.070m	8400.855
6)	m	Dichloroprop	11.987	10.760	84467608	29190394	88.779	83.855
7)	m	2,4-D	12.283	0.000	84327872	0	86.228	N.D. d#
8)	m	2,4,5-TP ...	13.353	11.513	404.0E6	134.3E6	94.174	91.794
9)	m	2,4,5-T	13.733	12.057	334.7E6	109.9E6	99.263	95.478
10)	m	2,4-DB	14.333	12.557	41214145	13843914	94.433	92.630
11)	m	Dinoseb	14.483	12.443	249.8E6	87143515	96.547	94.427

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

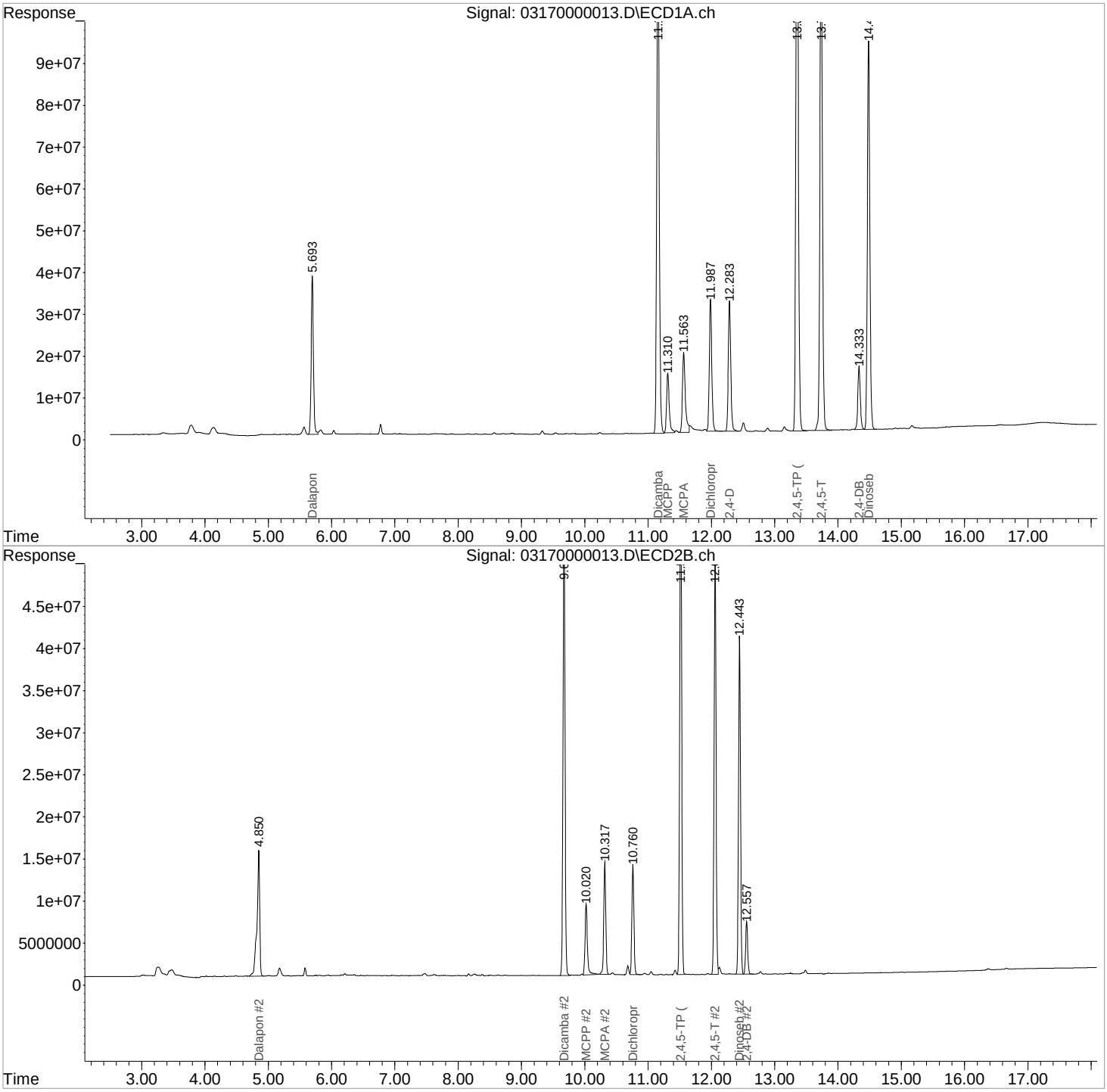
Quantitation Report (QT Reviewed)

1st JTC 03/17/21
2nd 03/18/21

Data File : J:\GC34\DATA\031721\03170000013.D Vial: 9
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17-Mar-2021, 15:06:56 Operator: JTC
Sample : PENTA02-25C-100PPB ICV Inst : GCI
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Mar 17 16:54:55 2021
Quant Results File: 031721_8151.RES

Quant Method : J:\GC34\METHODS\031721_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Mar 17 16:17:29 2021
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 0.32 mm Signal #2 Info : 0.32 mm



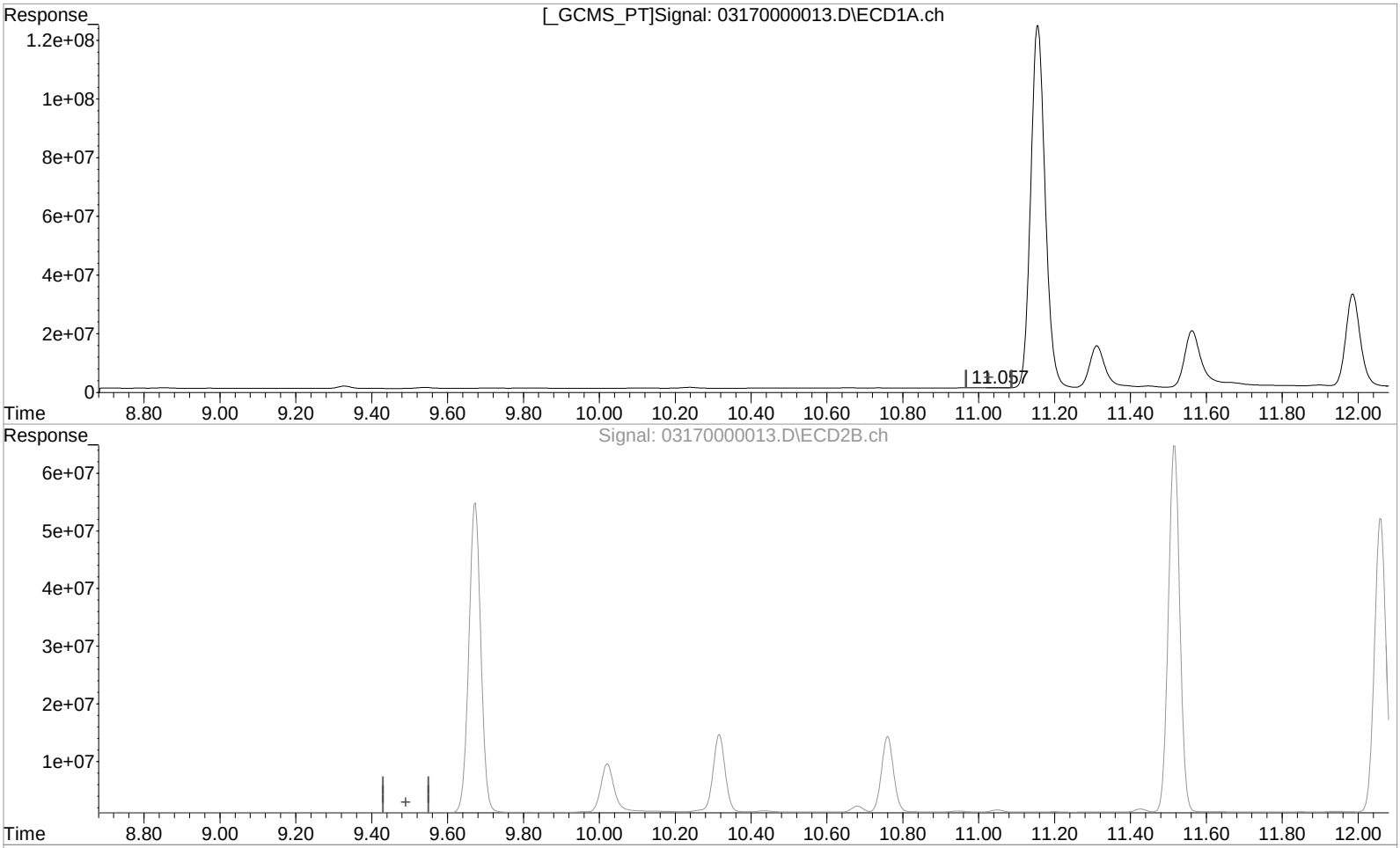
Quantitation Report (Qedit)

1st JTC 03/17/21
2nd 03/18/21

Data File : J:\GC34\DATA\031721\03170000013.D Vial: 9
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17-Mar-2021, 15:06:56 Operator: JTC
Sample : PENTA02-25C-100PPB ICV Inst : GCI
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Mar 17 16:18:37 2021
Quant Results File: 031721_8151.RES

Quant Method : J:\GC34\METHODS\031721_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Mar 17 16:17:29 2021
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 0.32 mm Signal #2 Info : 0.32 mm



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

11.057min 0.116 ppb

response 119469

Manual Integration:

Before

03/17/21

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

0.000min 0.000 ppb

response 0

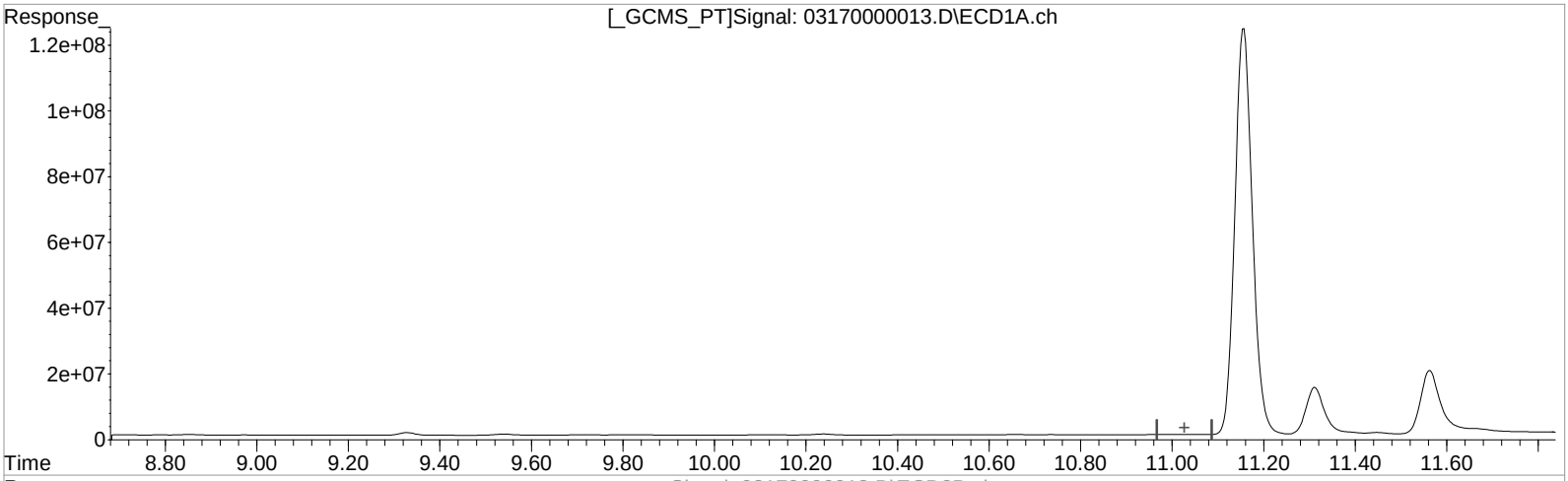
(+) = Expected Retention Time

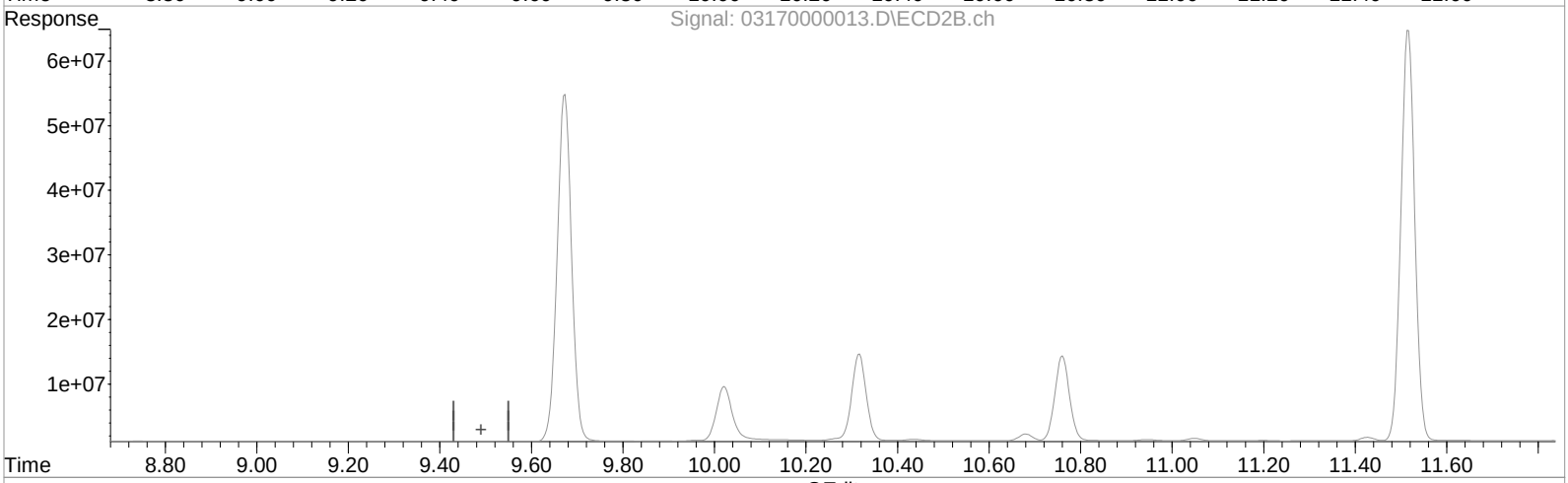
1st JTC 03/17/21
2nd 03/18/21

Data File : J:\GC34\DATA\031721\03170000013.D Vial: 9
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17-Mar-2021, 15:06:56 Operator: JTC
Sample : PENTA02-25C-100PPB ICV Inst : GCI
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Mar 17 16:19:59 2021
Quant Results File: 031721_8151.RES

Quant Method : J:\GC34\METHODS\031721_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Mar 17 16:17:29 2021
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 0.32 mm Signal #2 Info : 0.32 mm





QEdit

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

0.000min 0.000 ppb d

response 0

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

0.000min 0.000 ppb d

response 0

Manual Integration:

After

No surrogate

03/17/21

(+) = Expected Retention Time

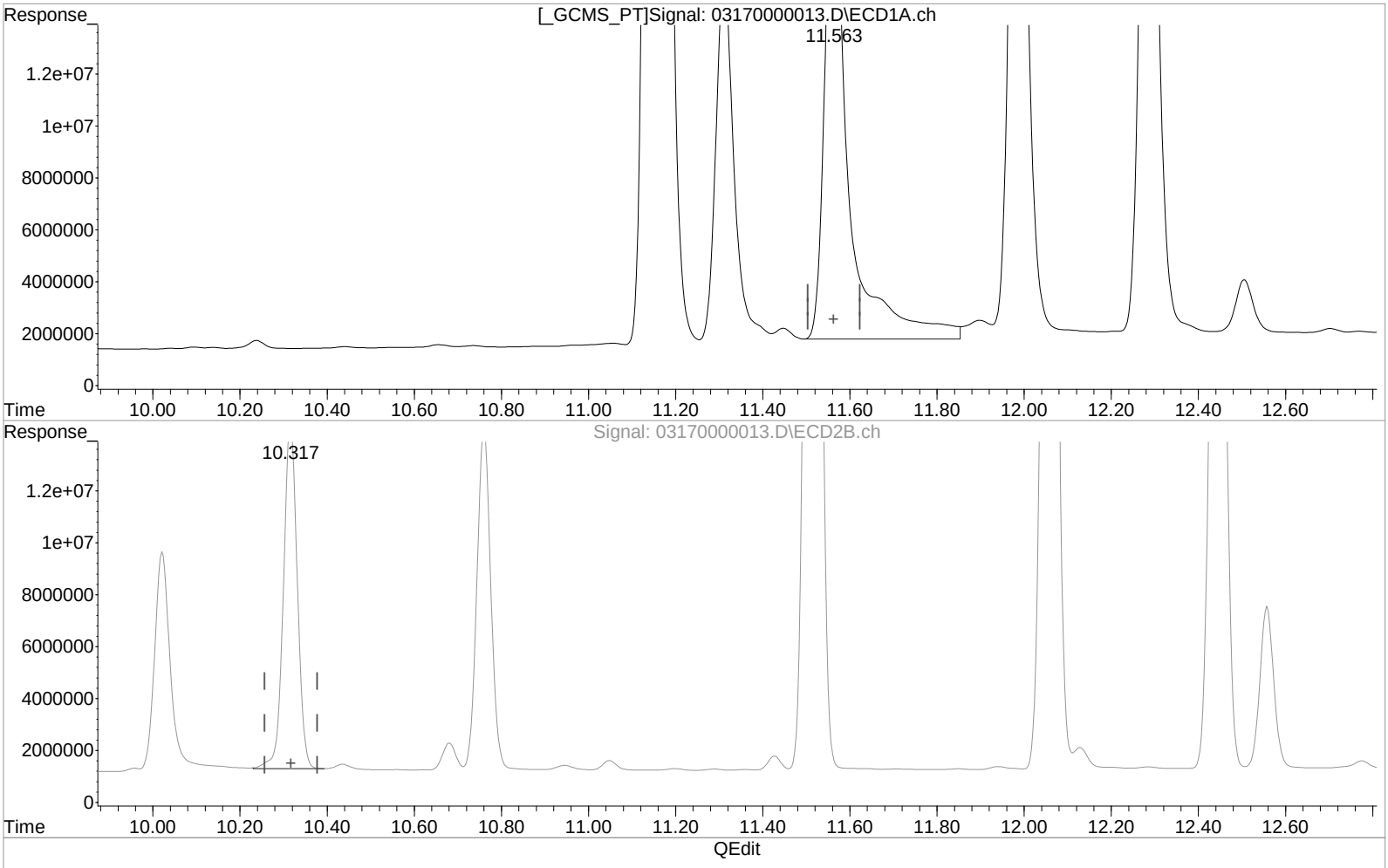
Quantitation Report (Qedit)

1st JTC 03/17/21
2nd 03/18/21

Data File : J:\GC34\DATA\031721\03170000013.D Vial: 9
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17-Mar-2021, 15:06:56 Operator: JTC
Sample : PENTA02-25C-100PPB ICV Inst : GCI
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Mar 17 16:18:37 2021
Quant Results File: 031721_8151.RES

Quant Method : J:\GC34\METHODS\031721_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Mar 17 16:17:29 2021
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 0.32 mm Signal #2 Info : 0.32 mm



QEdit

(5) MCPA (m)

11.563min 10394.438 ppb

response 70972025

Manual Integration:

Before

03/17/21

(5) MCPA #2 (m)

10.317min 8400.855 ppb

response 29586385

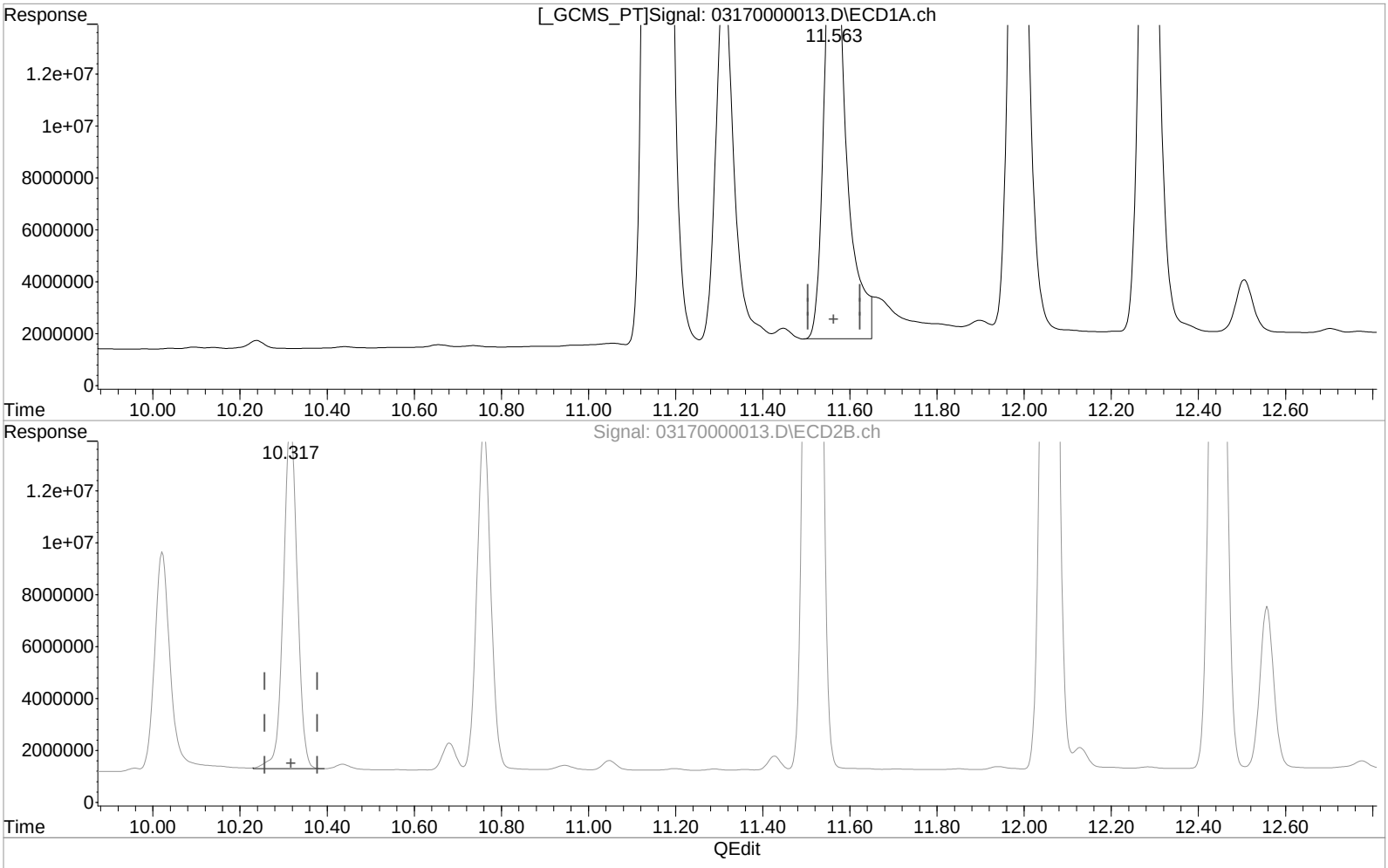
(+) = Expected Retention Time

1st JTC 03/17/21
2nd 03/18/21

Data File : J:\GC34\DATA\031721\03170000013.D Vial: 9
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17-Mar-2021, 15:06:56 Operator: JTC
Sample : PENTA02-25C-100PPB ICV Inst : GCI
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Mar 17 16:18:37 2021
Quant Results File: 031721_8151.RES

Quant Method : J:\GC34\METHODS\031721_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Mar 17 16:17:29 2021
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 0.32 mm Signal #2 Info : 0.32 mm



(5) MCPA (m)

11.563min 8898.070 ppb m

response 60754998

Manual Integration:

After

Baseline/Shoulder

03/17/21

(5) MCPA #2 (m)

10.317min 8400.855 ppb

response 29586385

(+) = Expected Retention Time

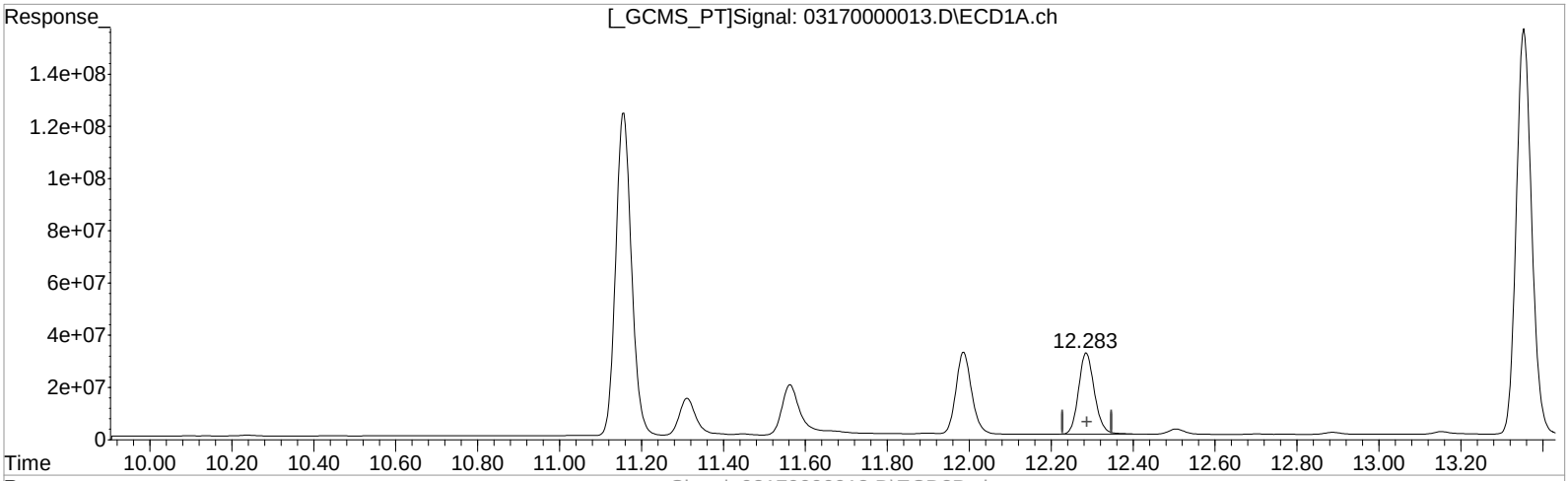
Quantitation Report (Qedit)

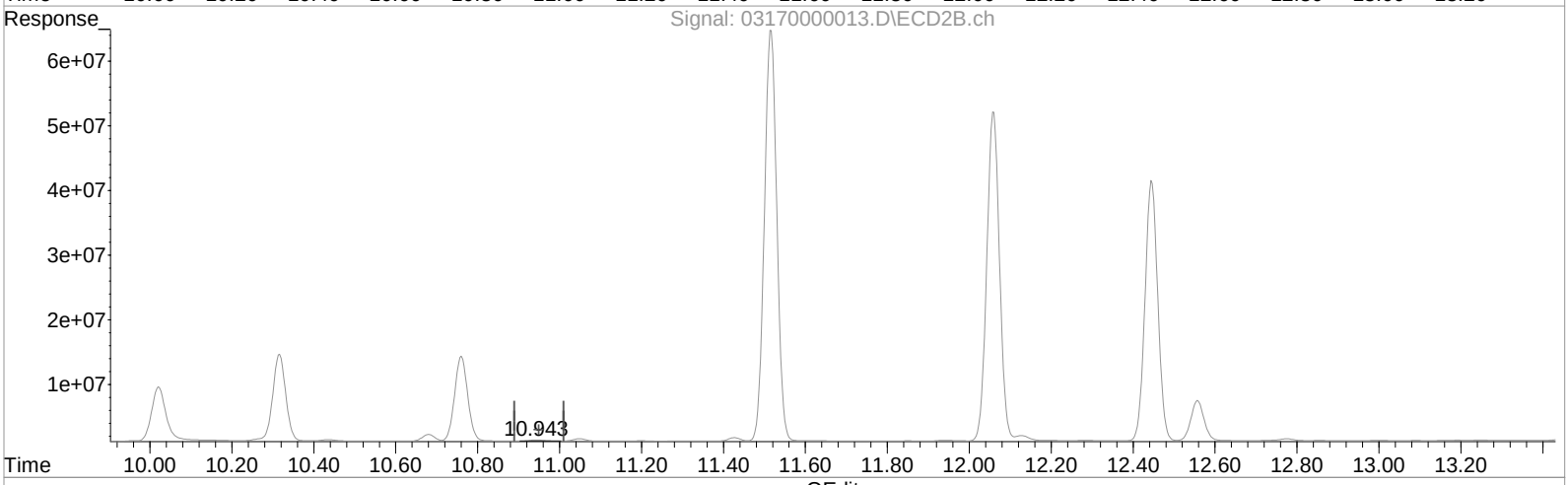
1st JTC 03/17/21
2nd 03/18/21

Data File : J:\GC34\DATA\031721\03170000013.D Vial: 9
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17-Mar-2021, 15:06:56 Operator: JTC
Sample : PENTA02-25C-100PPB ICV Inst : GCI
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Mar 17 16:19:59 2021
Quant Results File: 031721_8151.RES

Quant Method : J:\GC34\METHODS\031721_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Mar 17 16:17:29 2021
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 0.32 mm Signal #2 Info : 0.32 mm





QEdit

(7) 2,4-D (m)

12.283min 86.228 ppb

response 84327872

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

10.943min 0.596 ppb

response 440332

Manual Integration:

Before

03/17/21

(+) = Expected Retention Time

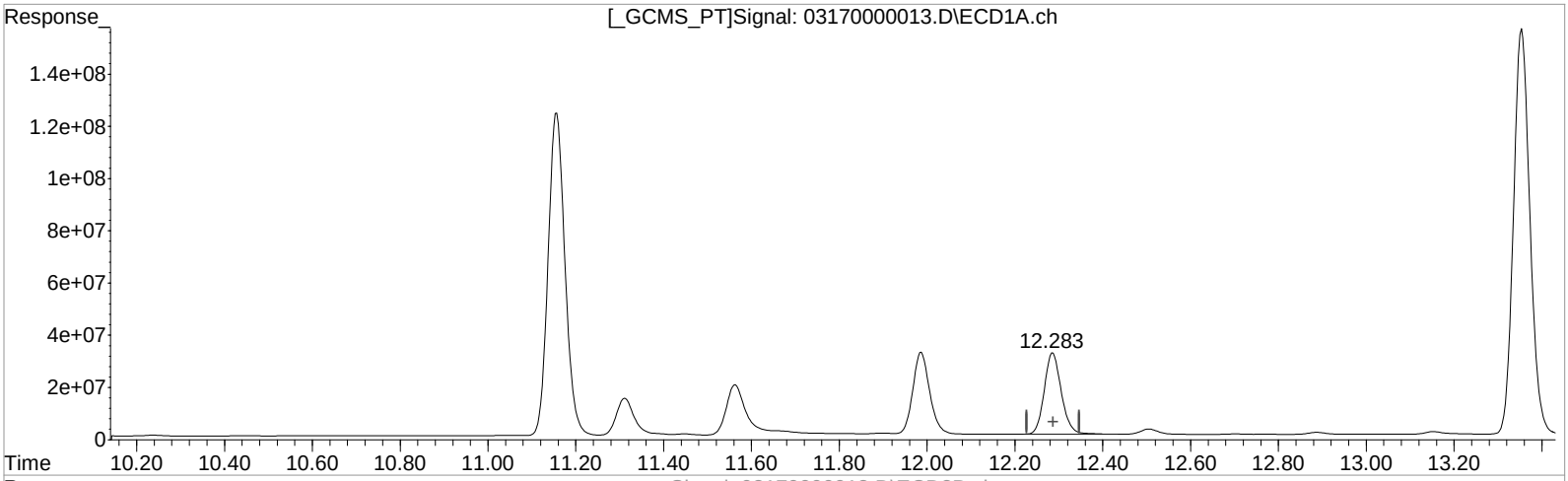
Quantitation Report (Qedit)

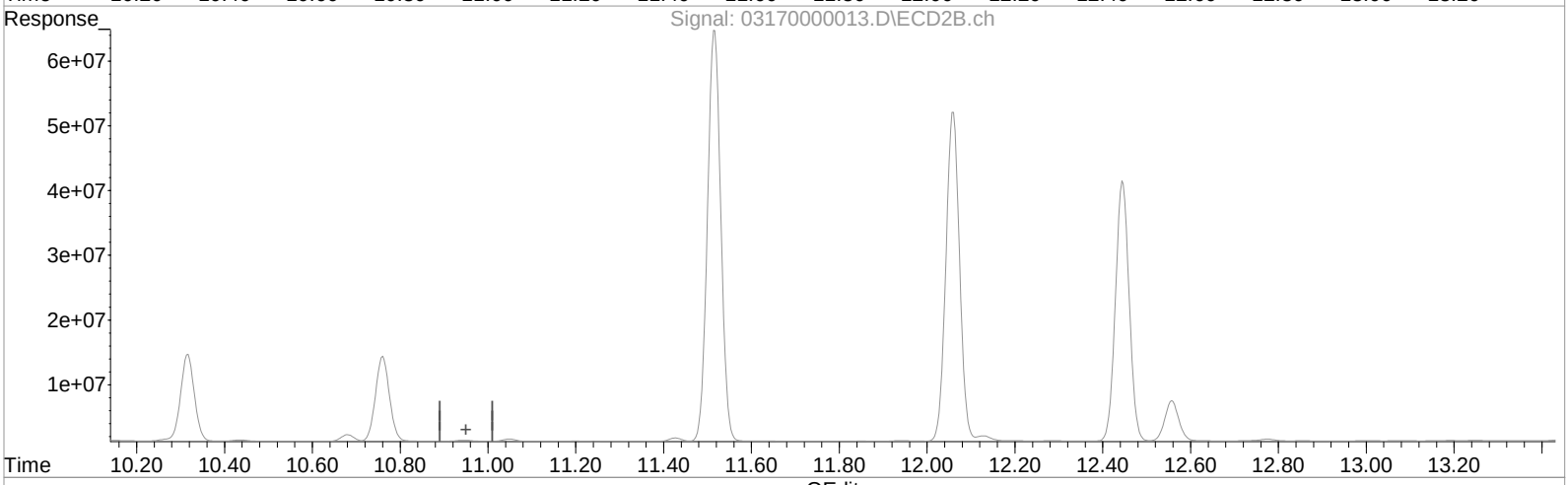
1st JTC 03/17/21
2nd 03/18/21

Data File : J:\GC34\DATA\031721\03170000013.D Vial: 9
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17-Mar-2021, 15:06:56 Operator: JTC
Sample : PENTA02-25C-100PPB ICV Inst : GCI
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: Mar 17 16:19:59 2021
Quant Results File: 031721_8151.RES

Quant Method : J:\GC34\METHODS\031721_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Wed Mar 17 16:17:29 2021
Response via : Initial Calibration
DataAcq Meth:8151A-17.M

Volume Inj. : 2 uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 0.32 mm Signal #2 Info : 0.32 mm





QEdit

(7) 2,4-D (m)

12.283min 86.228 ppb

response 84327872

Manual Integration:

After

Missing peak

03/17/21

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

0.000min 0.000 ppb d

response 0

(+) = Expected Retention Time

Sequence: C:\GC34\SEQUENCE\031821HB.S

Run # 716732
Calibration ID: KC2100138

Sequence Table (Front Injector):

Method and Injection Info Part:

Line	Location	SampleName DataFile LimsID	Method	Inj	SampleType	InjVolume
1	Vial 100	PRIMER	8151A-17	1	Sample	
2	Vial 100	PRIMER	8151A-17	1	Sample	
3	Vial 1	PENTA02-24J-100PPB	8151A-17	1	Sample	
4	Vial 2	IB	8151A-17	1	Sample	
5	Vial 3	KQ2103959-07 MB	8151A-17	1	Sample	
6	Vial 4	K2103959-03 LODV	8151A-17	1	Sample	
7	Vial 5	K2103959-04 LODV	8151A-17	1	Sample	
8	Vial 6	K2103959-05 LODV	8151A-17	1	Sample	
9	Vial 7	K2103959-06 LODV	8151A-17	1	Sample	
10	Vial 8	KQ2103959-01 LCS	8151A-17	1	Sample	
11	Vial 9	KQ2103959-02 DLCS	8151A-17	1	Sample	
12	Vial 10	K2102458-001	8151A-17	1	Sample	
13	Vial 11	K2102458-002	8151A-17	1	Sample	
14	Vial 1	PENTA02-24J-100PPB	8151A-17	1	Sample	
15	Vial 2	IB	8151A-17	1	Sample	

Sequence Table (Back Injector):

No entries - empty table!