ALS Environmental
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May 13, 2021

Analytical Report for Service Request No: K2104999

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 May 06, 2021
For your reference, these analyses have been assigned our service request number **K2104999.**

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

Please contact me if you have any questions. My extension is 3376. You may also contact me via email at Mark.Harris@alsglobal.com.

Respectfully submitted,

ALS Group USA, Corp. dba ALS Environmental

Mark Harris
Project Manager

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Acronyms

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

Inorganic Data Qualifiers

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

Metals Data Qualifiers

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

Organic Data Qualifiers

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

Additional Petroleum Hydrocarbon Specific Qualifiers

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

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

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

Analyses were performed according to our laboratory's NELAP-approved quality assurance program. A complete listing of specific NELAP-certified analytes, can be found in the certification section at www.ALSGlobal.com or at the accreditation bodies web site.
Please refer to the certification and/or accreditation body's web site if samples are submitted for compliance purposes. The states highlighted above, require the analysis be listed on the state certification if used for compliance purposes and if the method/anlayte is offered by that state.

Case Narrative

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

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

Service Request: K2104999
Date Received: 05/06/2021

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 05/06/2021. 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:

No significant anomalies were noted with this analysis.

Approved by _____ Date 05/13/2021

Chain of Custody

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K2104999

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

ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY

COC ID: ALS-20210503-152434

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

Project: GascoSiltronic: US Moorings
Client: NW Natural

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

COC Sample Number	Field Sample ID	Sample Type	Matrix	Collected Date	Collected Time	Containers #	Lab QC*	Test Request	Method	TAT**	Preservative
001	SC-FB-2105030940	FB	WQ	05/03/2021	9:40	2	☐	Herbicides	SW8151A	30	4°C
002	SC-RB-2105030901	RB	WQ	05/03/2021	9:00	2	☐	Herbicides	SW8151A	30	4°C

Comment:

Relinquished By	Received By	Relinquished By	Received By	Relinquished By	Received By
Signature	Signature	Signature	Signature	Signature	Signature
Print Name C. CORELLO	Print Name	Print Name	Print Name	Print Name	Print Name
Company ANC	Company ANC	Company	Company	Company	Company
Date/Time 5/4/21 0805	Date/Time 5/4/21 1110	Date/Time	Date/Time	Date/Time	Date/Time

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

Date Printed: 5/3/2021

Page 1 of 1

PM MH

Cooler Receipt and Preservation Form

Client ANCHOR QEA Service Request *K21* 04999

Received: 5/6/21 Opened: 5/6/21 By: BR Unloaded: 5/6/21 By: BR

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

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

Temp Blank	Sample Temp	IR Gun	Cooler #/COC ID / NA	Out of temp indicate with "X"	PM Notified If out of temp	Tracking Number NA	Filed
3.9	—	IR1		—	—		
3.9	—			—	—		

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

Sample ID on Bottle	Sample ID on COC	Identified by:

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

Notes, Discrepancies, Resolutions: _____

Chlorinated Herbicides by GC

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Analytical Report

Client:	Anchor QEA, LLC	**Service Request:**	K2104999
Project:	GascoSiltronic: US Moorings	**Date Collected:**	05/03/21 09:40
Sample Matrix:	Water	**Date Received:**	05/06/21 11:10
Sample Name:	SC-FB-2105030940	**Units:**	ug/L
Lab Code:	K2104999-001	**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 (Silvex)	ND U	0.20	0.045	1	05/11/21 18:17	5/10/21	
2,4-D	ND U	0.40	0.036	1	05/11/21 18:17	5/10/21	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4-Dichlorophenylacetic Acid	59	17 - 113	05/11/21 18:17	

Analytical Report

Client:	Anchor QEA, LLC	**Service Request:**	K2104999
Project:	GascoSiltronic: US Moorings	**Date Collected:**	05/03/21 09:00
Sample Matrix:	Water	**Date Received:**	05/06/21 11:10
Sample Name:	SC-RB-2105030901	**Units:**	ug/L
Lab Code:	K2104999-002	**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 (Silvex)	ND U	0.20	0.045	1	05/11/21 18:41	5/10/21	
2,4-D	ND U	0.40	0.036	1	05/11/21 18:41	5/10/21	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4-Dichlorophenylacetic Acid	51	17 - 113	05/11/21 18:41	

Analytical Report

Client:	Anchor QEA, LLC	**Service Request:**	K2104999
Project:	GascoSiltronic: US Moorings	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	KQ2107796-03	**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 (Silvex)	ND U	0.20	0.045	1	05/11/21 17:05	5/10/21	
2,4-D	ND U	0.40	0.036	1	05/11/21 17:05	5/10/21	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4-Dichlorophenylacetic Acid	51	17 - 113	05/11/21 17:05	

ALS Group USA, Corp.
dba ALS Environmental

Confirmation Results

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

Service Request: K2104999
Date Collected: NA
Date Received:

Sample Name: Lab Control Sample
Lab Code: KQ2107796-01

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 (Silvex)	0.045	1.94	2.02	4		1	05/11/21 17:29
2,4-D	0.036	1.94	2.23	14		1	05/11/21 17:29

Confirmation Results

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

Service Request: K2104999
Date Collected: NA
Date Received:

Sample Name: Duplicate Lab Control Sample
Lab Code: KQ2107796-02

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 (Silvex)	0.045	1.74	1.81	4		1	05/11/21 17:53
2,4-D	0.036	1.75	2.01	14		1	05/11/21 17:53

Client: Anchor QEA, LLC **Service Request:** K2104999

Project: GascoSiltronic: US Moorings

Sample Matrix: Water

SURROGATE RECOVERY SUMMARY
Chlorinated Herbicides by GC

Analysis Method: 8151A

Extraction Method: Method

Sample Name	Lab Code	2,4-Dichlorophenylacetic Acid 17-113
SC-FB-2105030940	K2104999-001	59
SC-RB-2105030901	K2104999-002	51
Method Blank	KQ2107796-03	51
Lab Control Sample	KQ2107796-01	67
Duplicate Lab Control Sample	KQ2107796-02	61

Client:	Anchor QEA, LLC	**Service Request:**	K2104999
Project:	GascoSiltronic: US Moorings	**Date Analyzed:**	05/11/21
Sample Matrix:	Water	**Date Extracted:**	05/10/21

Duplicate Lab Control Sample Summary
Chlorinated Herbicides by GC

Analysis Method:	8151A	**Units:**	ug/L
Prep Method:	Method	**Basis:**	NA
		Analysis Lot:	723122

	Lab Control Sample KQ2107796-01			Duplicate Lab Control Sample KQ2107796-02					
Analyte Name	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
2,4,5-TP (Silvex)	1.94	2.50	77	1.74	2.50	69	37-114	11	30
2,4-D	1.94	2.50	78	1.75	2.50	70	35-110	10	30

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client:	Anchor QEA, LLC	**Service Request:**	K2104999
Project:	GascoSiltronic: US Moorings	**Date Analyzed:**	05/11/21 17:05
Sample Matrix:	Water	**Date Extracted:**	05/10/21

Method Blank Summary
Chlorinated Herbicides by GC

Sample Name:	Method Blank	**Instrument ID:**	K-GC-34
Lab Code:	KQ2107796-03	**File ID:**	J:\GC34\DATA\051121B-HB\05110000012.D\
Analysis Method:	8151A	**Analysis Lot:**	723122
Prep Method:	Method	**Extraction Lot:**	378976

This Method Blank applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Lab Control Sample	KQ2107796-01	J:\GC34\DATA\051121B-HB\05110000013.D\	05/11/21 17:29
Duplicate Lab Control Sample	KQ2107796-02	J:\GC34\DATA\051121B-HB\05110000014.D\	05/11/21 17:53
SC-FB-2105030940	K2104999-001	J:\GC34\DATA\051121B-HB\05110000015.D\	05/11/21 18:17
SC-RB-2105030901	K2104999-002	J:\GC34\DATA\051121B-HB\05110000016.D\	05/11/21 18:41

Client:	Anchor QEA, LLC	**Service Request:**	K2104999
Project:	GascoSiltronic: US Moorings	**Date Analyzed:**	05/11/21 17:29
Sample Matrix:	Water	**Date Extracted:**	05/10/21

Lab Control Sample Summary
Chlorinated Herbicides by GC

Sample Name:	Lab Control Sample	**Instrument ID:**	K-GC-34
Lab Code:	KQ2107796-01	**File ID:**	J:\GC34\DATA\051121B-HB\05110000013.D\
Analysis Method:	8151A	**Analysis Lot:**	723122
Prep Method:	Method	**Extraction Lot:**	378976

This Lab Control Sample applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Method Blank	KQ2107796-03	J:\GC34\DATA\051121B-HB\05110000012.D\	05/11/21 17:05
Duplicate Lab Control Sample	KQ2107796-02	J:\GC34\DATA\051121B-HB\05110000014.D\	05/11/21 17:53
SC-FB-2105030940	K2104999-001	J:\GC34\DATA\051121B-HB\05110000015.D\	05/11/21 18:17
SC-RB-2105030901	K2104999-002	J:\GC34\DATA\051121B-HB\05110000016.D\	05/11/21 18:41

Client: Anchor QEA, LLC **Service Request:** K2104999
Project: GascoSiltronic: US Moorings **Calibration Date:** 5/6/2021

Initial Calibration Summary
Chlorinated Herbicides by GC

Calibration ID: KC2100249 **Signal ID:** Rtx-CLPesticides
Instrument ID: K-GC-34

#	Lab Code	Sample Name	File Location	Acquisition Date
01	KC2100249-01	PENTA02-29H 10 PPB	J:\GC34\DATA\050621-HB\05060000004.D	05/06/2021 11:32
02	KC2100249-02	PENTA02-29I 25 PPB	J:\GC34\DATA\050621-HB\05060000005.D	05/06/2021 11:56
03	KC2100249-03	PENTA02-29J 75 PPB	J:\GC34\DATA\050621-HB\05060000006.D	05/06/2021 12:20
04	KC2100249-04	PENTA02-29K 100 PPB	J:\GC34\DATA\050621-HB\05060000007.D	05/06/2021 12:44
05	KC2100249-05	PENTA02-29L 125 PPB	J:\GC34\DATA\050621-HB\05060000008.D	05/06/2021 13:08
06	KC2100249-06	PENTA02-29M 150 PPB	J:\GC34\DATA\050621-HB\05060000009.D	05/06/2021 13:32
07	KC2100249-07	PENTA02-29N 175 PPB	J:\GC34\DATA\050621-HB\05060000010.D	05/06/2021 13:56
08	KC2100249-08	PENTA02-30A 200 PPB	J:\GC34\DATA\050621-HB\05060000011.D	05/06/2021 14:20

Analyte

2,4,5-TP (Silvex)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	9.510	2.363E6	02	23.760	2.794E6	03	71.300	2.815E6	04	95.100	2.929E6
05	118.820	3.014E6	06	142.580	3.087E6	07	166.340	3.144E6	08	190.100	3.157E6

2,4-D

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	9.400	5.912E5	02	23.510	6.277E5	03	70.500	6.449E5	04	94.000	6.492E5
05	117.540	6.913E5	06	141.050	7.05E5	07	164.560	7.101E5	08	188.060	7.262E5

2,4-Dichlorophenylacetic Acid

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	9.020	8.144E5	02	22.550	8.433E5	03	67.600	7.658E5	04	90.200	7.799E5
05	112.730	7.876E5	06	135.280	7.924E5	07	157.830	8.021E5	08	180.370	8.004E5

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

Service Request: K2104999
Calibration Date: 5/6/2021

Initial Calibration Summary
Chlorinated Herbicides by GC

Calibration ID: KC2100249
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 (Silvex)	TRG	Average RF	% RSD	9.0	≤20	2.913E6	
2,4-D	TRG	Average RF	% RSD	7.0	≤20	6.682E5	
2,4-Dichlorophenylacetic Acid	SURR	Average RF	% RSD	2.9	≤20	7.982E5	

Client: Anchor QEA, LLC **Service Request:** K2104999
Project: GascoSiltronic: US Moorings **Calibration Date:** 5/6/2021

Initial Calibration Summary
Chlorinated Herbicides by GC

Calibration ID: KC2100249 **Signal ID:** Rtx-CLPesticides2
Instrument ID: K-GC-34

#	Lab Code	Sample Name	File Location	Acquisition Date
01	KC2100249-01	PENTA02-29H 10 PPB	J:\GC34\DATA\050621-HB\05060000004.D	05/06/2021 11:32
02	KC2100249-02	PENTA02-29I 25 PPB	J:\GC34\DATA\050621-HB\05060000005.D	05/06/2021 11:56
03	KC2100249-03	PENTA02-29J 75 PPB	J:\GC34\DATA\050621-HB\05060000006.D	05/06/2021 12:20
04	KC2100249-04	PENTA02-29K 100 PPB	J:\GC34\DATA\050621-HB\05060000007.D	05/06/2021 12:44
05	KC2100249-05	PENTA02-29L 125 PPB	J:\GC34\DATA\050621-HB\05060000008.D	05/06/2021 13:08
06	KC2100249-06	PENTA02-29M 150 PPB	J:\GC34\DATA\050621-HB\05060000009.D	05/06/2021 13:32
07	KC2100249-07	PENTA02-29N 175 PPB	J:\GC34\DATA\050621-HB\05060000010.D	05/06/2021 13:56
08	KC2100249-08	PENTA02-30A 200 PPB	J:\GC34\DATA\050621-HB\05060000011.D	05/06/2021 14:20

Analyte

2,4,5-TP (Silvex)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	9.510	1.507E6	02	23.760	1.674E6	03	71.300	1.617E6	04	95.100	1.668E6
05	118.820	1.709E6	06	142.580	1.753E6	07	166.340	1.769E6	08	190.100	1.773E6

2,4-D

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	9.400	3.928E5	02	23.510	4.144E5	03	70.500	3.834E5	04	94.000	3.936E5
05	117.540	4.022E5	06	141.050	4.137E5	07	164.560	4.186E5	08	188.060	4.194E5

2,4-Dichlorophenylacetic Acid

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	9.020	5.111E5	02	22.550	4.995E5	03	67.600	4.319E5	04	90.200	4.346E5
05	112.730	4.37E5	06	135.280	4.388E5	07	157.830	4.383E5	08	180.370	4.381E5

Client: Anchor QEA, LLC **Service Request:** K2104999
Project: GascoSiltronic: US Moorings **Calibration Date:** 5/6/2021

Initial Calibration Summary
Chlorinated Herbicides by GC

Calibration ID: KC2100249 **Signal ID:** Rtx-CLPesticides2
Instrument ID: K-GC-34

		Calibration Evaluation				Calibration Evaluation	
Analyte Name	Compound Type	Fit Type	Eval	Eval Result	Control Criteria	Average RRF	Minimum RRF
2,4,5-TP (Silvex)	TRG	Average RF	% RSD	5.3	≤20	1.684E6	
2,4-D	TRG	Average RF	% RSD	3.4	≤20	4.048E5	
2,4-Dichlorophenylacetic Acid	SURR	Average RF	% RSD	7.1	≤20	4.537E5	

Client: Anchor QEA, LLC **Service Request:** K2104999
Project: GascoSiltronic: US Moorings **Calibration Date:** 5/6/2021

Initial Calibration Verification Summary
Chlorinated Herbicides by GC

Calibration ID: KC2100249 **Signal ID:** Rtx-CLPesticides
Instrument ID: K-GC-34

#	Lab Code	Sample Name	File Location	Acquisition Date
09	KC2100249-09	PENTA02-29G 100 PPB ICV	J:\GC34\DATA\050621-HB\05060000012.D	05/06/2021 14:43

Analyte Name	Expected	Result	Average RF	SSV RF	% D	Criteria	Curve Fit
2,4,5-TP (Silvex)	95.1	87.3	2.913E6	2.674E6	-8.197	±20	Average RF
2,4-D	94.0	79.4	6.682E5	5.647E5	-15.491	±20	Average RF

Client: Anchor QEA, LLC **Service Request:** K2104999
Project: GascoSiltronic: US Moorings **Calibration Date:** 5/6/2021

Initial Calibration Verification Summary
Chlorinated Herbicides by GC

Calibration ID: KC2100249 **Signal ID:** Rtx-CLPesticides2
Instrument ID: K-GC-34

#	Lab Code	Sample Name	File Location	Acquisition Date
09	KC2100249-09	PENTA02-29G 100 PPB ICV	J:\GC34\DATA\050621-HB\05060000012.D	05/06/2021 14:43

Analyte Name	Expected	Result	Average RF	SSV RF	% D	Criteria	Curve Fit
2,4,5-TP (Silvex)	95.1	86.0	1.684E6	1.523E6	-9.564	±20	Average RF
2,4-D	94.0	83.6	4.048E5	3.598E5	-11.100	±20	Average RF

Client:	Anchor QEA, LLC	**Service Request:**	K2104999
Project:	GascoSiltronic: US Moorings	**Date Analyzed:**	05/11/21 16:16

Continuing Calibration Verification (CCV) Summary
Chlorinated Herbicides by GC

Analysis Method:	8151A	**Calibration Date:**	5/6/2021
File ID:	J:\GC34\DATA\051121B-HB\05110000010.D\	**Calibration ID:**	KC2100249
Signal ID:	Rtx-CLPesticides2	**Analysis Lot:**	723122
		Units:	ppb

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
2,4,5-TP (Silvex)	95.1	107	1.684E6	1.894E6	12.5	NA	±20	Average RF
2,4-D	94.0	98.8	4.048E5	4.256E5	5.1	NA	±20	Average RF

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
2,4-Dichlorophenylacetic Acid	100	88.4	4.537E5	4.009E5	-11.6	NA	±20	Average RF

Client:	Anchor QEA, LLC	**Service Request:**	K2104999
Project:	GascoSiltronic: US Moorings	**Date Analyzed:**	05/11/21 16:16

Continuing Calibration Verification (CCV) Summary
Chlorinated Herbicides by GC

Analysis Method:	8151A	**Calibration Date:**	5/6/2021
File ID:	J:\GC34\DATA\051121B-HB\05110000010.D\	**Calibration ID:**	KC2100249
Signal ID:	Rtx-CLPesticides	**Analysis Lot:**	723122
		Units:	ppb

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
2,4,5-TP (Silvex)	95.1	113	2.913E6	3.452E6	18.5	NA	±20	Average RF
2,4-D	94.0	107	6.682E5	7.613E5	13.9	NA	±20	Average RF

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
2,4-Dichlorophenylacetic Acid	100	91.6	7.982E5	7.312E5	-8.4	NA	±20	Average RF

Client:	Anchor QEA, LLC	**Service Request:**	K2104999
Project:	GascoSiltronic: US Moorings	**Date Analyzed:**	05/11/21 19:05

Continuing Calibration Verification (CCV) Summary
Chlorinated Herbicides by GC

Analysis Method:	8151A	**Calibration Date:**	5/6/2021
File ID:	J:\GC34\DATA\051121B-HB\05110000017.D\	**Calibration ID:**	KC2100249
Signal ID:	Rtx-CLPesticides2	**Analysis Lot:**	723122
		Units:	ppb

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
2,4,5-TP (Silvex)	95.1	108	1.684E6	1.913E6	13.6	NA	±20	Average RF
2,4-D	94.0	104	4.048E5	4.477E5	10.6	NA	±20	Average RF

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
2,4-Dichlorophenylacetic Acid	100	92.5	4.537E5	4.197E5	-7.5	NA	±20	Average RF

Client:	Anchor QEA, LLC	**Service Request:**	K2104999
Project:	GascoSiltronic: US Moorings	**Date Analyzed:**	05/11/21 19:05

Continuing Calibration Verification (CCV) Summary
Chlorinated Herbicides by GC

Analysis Method:	8151A	**Calibration Date:**	5/6/2021
File ID:	J:\GC34\DATA\051121B-HB\05110000017.D\	**Calibration ID:**	KC2100249
Signal ID:	Rtx-CLPesticides	**Analysis Lot:**	723122
		Units:	ppb

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
2,4,5-TP (Silvex)	95.1	112	2.913E6	3.418E6	17.3	NA	±20	Average RF
2,4-D	94.0	106	6.682E5	7.507E5	12.3	NA	±20	Average RF

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
2,4-Dichlorophenylacetic Acid	100	96.0	7.982E5	7.661E5	-4.0	NA	±20	Average RF

Client: Anchor QEA, LLC **Service Request:**K2104999
Project: GascoSiltronic: US Moorings

Analysis Run Log
Chlorinated Herbicides by GC

Analysis Method: **Analysis Lot:**723122
Instrument ID:K-GC-34

Raw Data File	Sample Name	Lab Code	Date Analyzed	Time Analyzed	Q
J:\GC34\DATA\051121B-HB\05110000003.D\	ZZZZZZZ	ZZZZZZZ	5/11/2021	13:28:33	
J:\GC34\DATA\051121B-HB\05110000004.D\	ZZZZZZZ	ZZZZZZZ	5/11/2021	13:52:32	
J:\GC34\DATA\051121B-HB\05110000005.D\	ZZZZZZZ	ZZZZZZZ	5/11/2021	14:16:39	
J:\GC34\DATA\051121B-HB\05110000006.D\	ZZZZZZZ	ZZZZZZZ	5/11/2021	14:40:38	
J:\GC34\DATA\051121B-HB\05110000007.D\	ZZZZZZZ	ZZZZZZZ	5/11/2021	15:04:41	
J:\GC34\DATA\051121B-HB\05110000008.D\	ZZZZZZZ	ZZZZZZZ	5/11/2021	15:28:53	
J:\GC34\DATA\051121B-HB\05110000009.D\	ZZZZZZZ	ZZZZZZZ	5/11/2021	15:52:54	
J:\GC34\DATA\051121B-HB\05110000010.D\	Continuing Calibration Verification	KQ2108116-03	5/11/2021	16:16:56	
J:\GC34\DATA\051121B-HB\05110000011.D\	Continuing Calibration Blank	KQ2108116-04	5/11/2021	16:41:05	
J:\GC34\DATA\051121B-HB\05110000012.D\	Method Blank	KQ2107796-03	5/11/2021	17:05:06	
J:\GC34\DATA\051121B-HB\05110000013.D\	Lab Control Sample	KQ2107796-01	5/11/2021	17:29:06	
J:\GC34\DATA\051121B-HB\05110000014.D\	Duplicate Lab Control Sample	KQ2107796-02	5/11/2021	17:53:12	
J:\GC34\DATA\051121B-HB\05110000015.D\	SC-FB-2105030940	K2104999-001	5/11/2021	18:17:12	
J:\GC34\DATA\051121B-HB\05110000016.D\	SC-RB-2105030901	K2104999-002	5/11/2021	18:41:12	
J:\GC34\DATA\051121B-HB\05110000017.D\	ZZZZZZZ	ZZZZZZZ	5/11/2021	19:05:14	
J:\GC34\DATA\051121B-HB\05110000017.D\	Continuing Calibration Verification	KQ2108116-07	5/11/2021	19:05:14	
J:\GC34\DATA\051121B-HB\05110000018.D\	Continuing Calibration Blank	KQ2108116-08	5/11/2021	19:29:08	
J:\GC34\DATA\051121B-HB\05110000018.D\	ZZZZZZZ	ZZZZZZZ	5/11/2021	19:29:08	

Prep Summary Report

Client: Anchor QEA, LLC **Service Request:**K2104999
Project: GascoSiltronic: US Moorings
Sample Matrix: Water

Chlorinated Herbicides by GC

Prep Method: Method **Extraction Lot:** 378976
Analytical Method: 8151A **Extraction Date:** 05/10/21 11:39

Sample Name	Lab Code	Date Collected	Date Received	Sample Amount	Final Amount	Percent Solids
SC-FB-2105030940	K2104999-001	5/3/21	5/6/21	1010.0000	20 mL	
SC-RB-2105030901	K2104999-002	5/3/21	5/6/21	1010.0000	20 mL	
Lab Control Sample	KQ2107796-01LCS	NA	NA	1000 mL	20 mL	
Duplicate Lab Control Sample	KQ2107796-02DLCS	NA	NA	1000 mL	20 mL	
Method Blank	KQ2107796-03MB	NA	NA	1010.0000	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#: 378976
Team: Semivoa GC/ACOLLINS
Number of Copies to make: 1

Prep WorkFlow: OrgHerbAq(7)
Prep Method: Method

Status: Prepped
Prep Date/Time: 5/10/21 11:39

#	Lab Code	Client ID	B#	Method /Test	pH	Matrix	Amt. Ext.	Final Vol	Sample Description
1	K2104999-001	SC-FB-2105030940	.01	8151A/HERB		Water	1010.0000mL	20.00mL	
2	K2104999-002	SC-RB-2105030901	.01	8151A/HERB		Water	1010.0000mL	20.00mL	
3	KQ2107796-01	LCS		8151A/HERB		Liquid	1000mL	20.00mL	
4	KQ2107796-02	DLCS		8151A/HERB		Liquid	1000mL	20.00mL	
5	KQ2107796-03	MB		8151A/HERB		Liquid	1010.0000mL	20.00mL	

Spiking Solutions

Name: 8151A 5ppm Herbicide surrogate Inventory ID 216337 Logbook Ref: Penta02-26I Expires On: 09/30/2021

K2104999-001 500.00µL K2104999-002 500.00µL KQ2107796-01 500.00µL KQ2107796-02 500.00µL KQ2107796-03 500.00µL

Name: 8151A 5-500ppm Herbicides matrix spike Inventory ID 216338 Logbook Ref: Penta02-26F Expires On: 09/30/2021

KQ2107796-01 500.00µL KQ2107796-02 500.00µL

Preparation Steps

Step: Extraction
Started: 5/10/21 11:39
Finished: 5/10/21 11:55
By: ACOLLINS
Comments

Step: Final Volume
Started: 5/11/21 10:30
Finished: 5/11/21 13:28
By: AAGUILAR
Comments

Comments: Location: Jesus

Reviewed By: _____ Date: _____

Chain of Custody

Relinquished By: Alberto Aguilar Date: 5/11/21

Received By: _____ Date: 5.11.21

Extracts Examined (Yes) No

Preparation Information Benchsheet

Prep Run#: 378976
Team: Semivoa GC/ACOLLINS
Number of Copies to make: 1

Prep WorkFlow: OrgHerbAq(7)
Prep Method: [redacted]

Status: Draft
Prep Date/Time: 5/10/21 09:12 AM

#	Lab Code	Client ID	B#	√	Method /Test	Matrix	Amt. Ext. mL	pH	Int. Vol	Final Vol mL	Surr Amt µl	Spike Amt µl
1	**K2104999-001**	SC-FB-2105030940	01	✓	8151A / HERB	Water	1010	7/12/<2		20	500	—
2	**K2104999-002**	SC-RB-2105030901	01	✓	8151A / HERB	Water	1010	"		20	"	—
3	**KQ2107796-01**	LCS	—	—	8151A / HERB	Liquid	1000	"		20	"	500
4	**KQ2107796-02**	DLCS	—	—	8151A / HERB	Liquid	1000	"		20	"	500
5	**KQ2107796-03**	MB	—	—	8151A / HERB	Liquid	1010	"		20	"	—

Comments:

Surrogate ID: Pent002-26I 5ppm xp: 9.30.21, 500 µl

Spike ID: Pent002-26F 5/500ppm xp: 9.30.21, 500 µl

Witnessed By: 5.10.21

Analyst:

Assisted By:

ALS Environmental

Extraction Analyst Notes

Service Request: ____________________ Prep Group: ____________________

Topic	Notes	Initials/Date
No Anomalies: ☐		
Sample Anomalies: ☐		
Organics Present (sticks, leafs, bugs): ☐		
Fuel Odors: ☐		
Sulfur Odors, Precipitate: ☐		
General Notes:	insufficient sample amount for ms/Dms. Doing LCS, DLCS and MB instead. Archive: ~~wasto~~ EE AA ursula	5·10·21 AC AA 5/11/21

Reviewed by: Jonathon Walter 12/19/18 EXT-NOTES r.0

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

Service Request # K2104999 **Work Group #** KQ2107796

NaCl Lot # 20610756795 10N NaOH Lot # 000024142G

Hydrolysis Start (time/date/initial): 10:20 5·10·21 AC

Hydrolysis Stop (time/date/initial): 11:20 5·10·21 AC

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

Extraction Start (time/date/initial): 11:39 5·10·21 AC

Extraction Stop (time/date/initial): 11:55 5·10·21

Acidified Sulfate Lot # DZ03-875

S-Evap (time/date/initial): 10:30 5/11/21 AA S-Evap Thermometer ID: X-SUM-5

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

Pipette (5 mL) Lot # 12092019

Derivatization Start (time/date/initial): 12:19 5/11/21 AA

Derivatization Stop (time/date/initial): 12:52 5/11/21 AA

Diazomethane Lot # DZ03-416

Solvent Exchange to Iso-Octane (time/date/initial): 12:53 5/11/21 Iso-Octane Lot # D Z155-45

N-Evap Thermometer ID: X-SUM-010

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

Pipette (2 mL) Lot # 21042020

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

Vial: Red Vial Storage: Jesus

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

* Completed: 13:28 5/11/21 AA

1st JTC 05/12/21
2nd [illegible] 05/12/21

Validation Report

Data File: J:\GC34\DATA\051121B-HB\05110000015.D\
Lab ID: K2104999-001
RunType: N/A
Matrix: Water

Date Acquired: 5/11/21 18:17:12
Batch ID: 723122
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: 5/12/21 15:35
\\alprews001\starlims$\LIMSReps\QuantValidation.rpt

Secondary Review: _____

1st JTC 05/12/21
2nd [illegible] 05/12/21

Quantitation Report

Data File:	J:\GC34\DATA\051121B-HB\05110000015.D\	**Instrument:**	K-GC-34
Acqu Date:	5/11/21 18:17:12	**Vial:**	14
Run Type:	N/A	**Dilution:**	1
Lab ID:	K2104999-001	**Raw Units:**	ppb

Bottle ID:	K2104999-001.01	**Tier:**	IV	**Matrix:**	Water
Prod Code:	HERB	**Collect Date:**	5/3/21	**Receive Date:**	5/6/21

Analysis Lot:	723122	**Prep Lot:**	378976	**Report Group:**	K2104999
Analysis Method:	8151A	**Prep Method:**	Method		
		Prep Date:	5/10/21		

Title:	Chlorinated Herbicides by GC	**Calibration ID:**	KC2100249
		Report List ID:	18845

Surrogate Compounds

Parameter Name	RT 1	RT 2	Resp 1	Resp 2	Solution Conc 1	Solution Conc 2	% Rec 1	% Rec 2	% Rec	% Rec Criteria	Rpt?
2,4-Dichlorophenylacetic Acid	10.05	9.69	60837723	33243753	76.214	73.277	61	59	59	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 (Silvex)	12.20	0.00	262472	0	0.090	0.000	0.0018U	0U	0.045 U	Y
2,4-D	0.00	10.90	0	6482422	0.000	16.015	0U	0.32J	0.036 U	Y

Prep Amount:	1010.0000 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: 5/12/21 15:35
\\alprews001\starlims$\LIMSReps\QuantValidation.rpt

Quantitation Report (QT Reviewed)

1st JTC 05/12/21
2nd 4w 05/12/21

Data File : J:\GC34\DATA\051121B-HB\05110000015.D Vial: 11
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11-May-2021, 18:17:12 Operator: JTC
Sample : K2104999-001 Inst : GCI
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: May 12 09:51:39 2021
Quant Results File: 050621_8151.RES

Quant Method : J:\GC34\METHODS\050621_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Thu May 06 15:52:39 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...	10.050	9.690	60837723	33243753	76.214	73.277
		Target Compounds						
1)	m	Dalapon	0.000	0.000	0	0	N.D. d	N.D. d
3)	m	Dicamba	0.000	0.000	0	0	N.D. d	N.D. d
4)	m	MCPP	0.000	0.000	0	0	N.D. d	N.D. d
5)	m	MCPA	0.000	0.000	0	0	N.D. d	N.D. d
6)	m	Dichloroprop	0.000	0.000	0	0	N.D. d	N.D. d
7)	m	2,4-D	0.000	10.903	0	6482422	N.D.	16.015 #
8)	m	2,4,5-TP ...	12.197	0.000	262472	0	0.090	N.D. #
9)	m	2,4,5-T	0.000	0.000	0	0	N.D. d	N.D. d
10)	m	2,4-DB	0.000	0.000	0	0	N.D. d	N.D. d
11)	m	Dinoseb	0.000	0.000	0	0	N.D. d	N.D. d

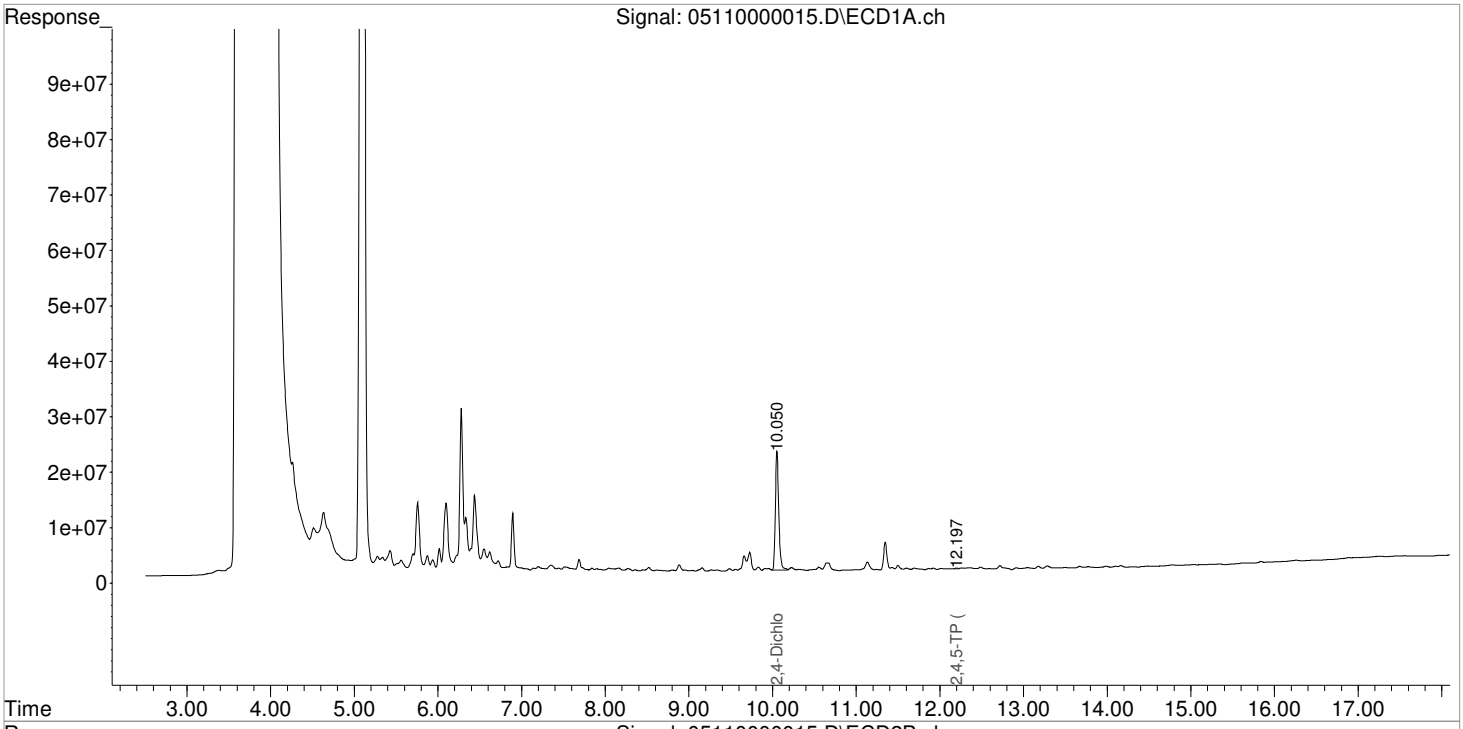
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

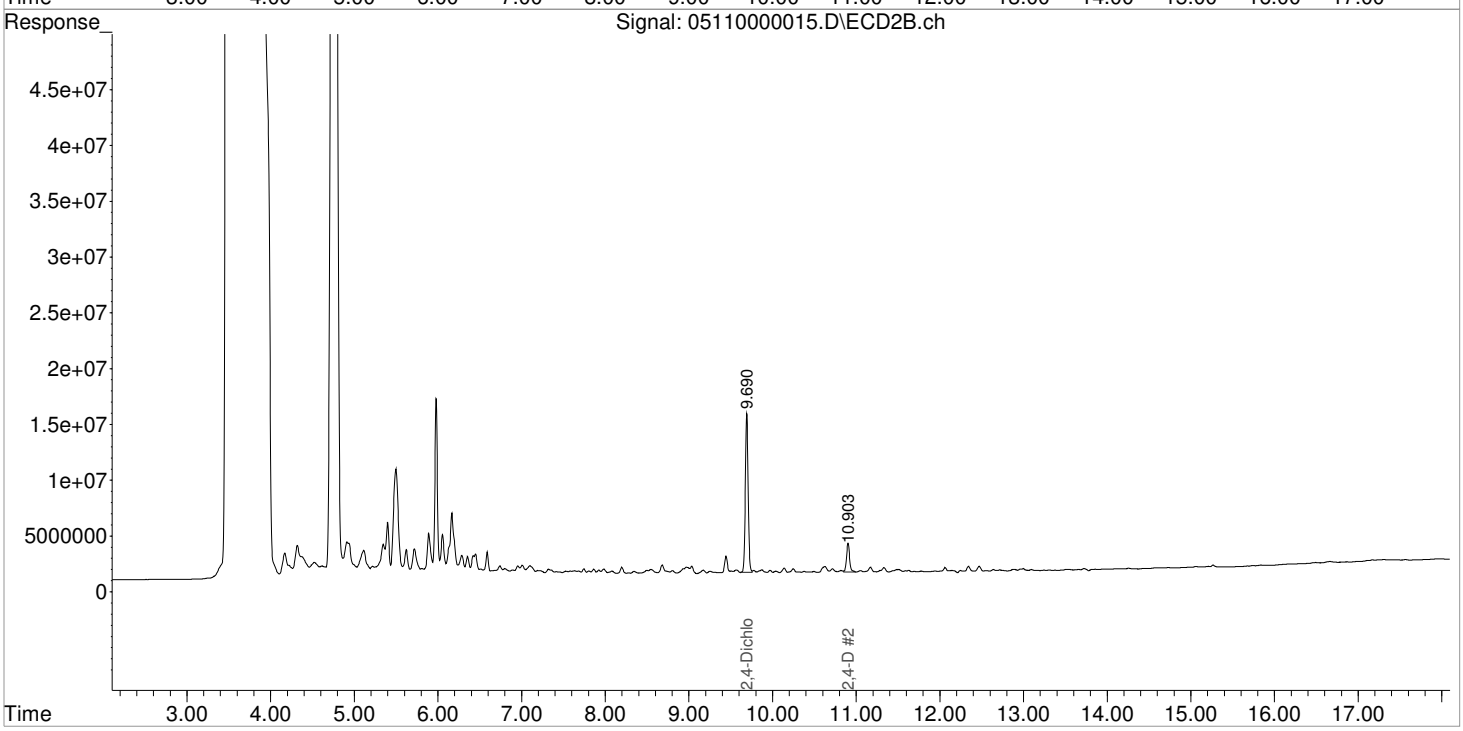
1st JTC 05/12/21
2nd 4w 05/12/21

Data File : J:\GC34\DATA\051121B-HB\05110000015.D Vial: 11
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11-May-2021, 18:17:12 Operator: JTC
Sample : K2104999-001 Inst : GCI
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: May 12 09:51:39 2021
Quant Results File: 050621_8151.RES

Quant Method : J:\GC34\METHODS\050621_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Thu May 06 15:52:39 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 05/12/21
2nd 4w 05/12/21

Validation Report

Data File: J:\GC34\DATA\051121B-HB\05110000016.D\
Lab ID: K2104999-002
RunType: N/A
Matrix: Water

Date Acquired: 5/11/21 18:41:12
Batch ID: 723122
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 05/12/21
2nd 4w 05/12/21

Quantitation Report

Data File:	J:\GC34\DATA\051121B-HB\05110000016.D\	**Instrument:**	K-GC-34
Acqu Date:	5/11/21 18:41:12	**Vial:**	15
Run Type:	N/A	**Dilution:**	1
Lab ID:	K2104999-002	**Raw Units:**	ppb

Bottle ID:	K2104999-002.01	**Tier:**	IV	**Matrix:**	Water
Prod Code:	HERB	**Collect Date:**	5/3/21	**Receive Date:**	5/6/21

Analysis Lot:	723122	**Prep Lot:**	378976	**Report Group:**	K2104999
Analysis Method:	8151A	**Prep Method:**	Method		
		Prep Date:	5/10/21		

Title:	Chlorinated Herbicides by GC	**Calibration ID:**	KC2100249
		Report List ID:	18845

Surrogate Compounds

Parameter Name	RT 1	RT 2	Resp 1	Resp 2	Solution Conc 1	Solution Conc 2	% Rec 1	% Rec 2	% Rec	% Rec Criteria	Rpt?
2,4-Dichlorophenylacetic Acid	10.05	9.69	51629937	28833782	64.679	63.557	52	51	51	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 (Silvex)	12.19 -0.01	11.78 +0.02	478990	163018	0.164	0.097	0.0032U	0.0019U	0.045 U	Y
2,4-D	0.00	10.90	0	6955027	0.000	17.183	0U	0.34J	0.036 U	Y

Prep Amount:	1010.0000 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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Quantitation Report (QT Reviewed)

1st JTC 05/12/21
2nd 4w 05/12/21

Data File : J:\GC34\DATA\051121B-HB\05110000016.D Vial: 12
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11-May-2021, 18:41:12 Operator: JTC
Sample : K2104999-002 Inst : GCI
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: May 12 09:51:54 2021
Quant Results File: 050621_8151.RES

Quant Method : J:\GC34\METHODS\050621_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Thu May 06 15:52:39 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...	10.050	9.690	51629937	28833782	64.679	63.557
		Target Compounds						
1)	m	Dalapon	0.000	0.000	0	0	N.D. d	N.D. d
3)	m	Dicamba	0.000	0.000	0	0	N.D. d	N.D. d
4)	m	MCPP	0.000	0.000	0	0	N.D. d	N.D. d
5)	m	MCPA	0.000	0.000	0	0	N.D. d	N.D. d
6)	m	Dichloroprop	0.000	0.000	0	0	N.D. d	N.D. d
7)	m	2,4-D	0.000	10.900	0	6955027	N.D.	17.183 #
8)	m	2,4,5-TP ...	12.193	11.780	478990	163018	0.164	0.097 #
9)	m	2,4,5-T	0.000	0.000	0	0	N.D. d	N.D. d
10)	m	2,4-DB	0.000	0.000	0	0	N.D. d	N.D. d
11)	m	Dinoseb	0.000	0.000	0	0	N.D. d	N.D. d

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

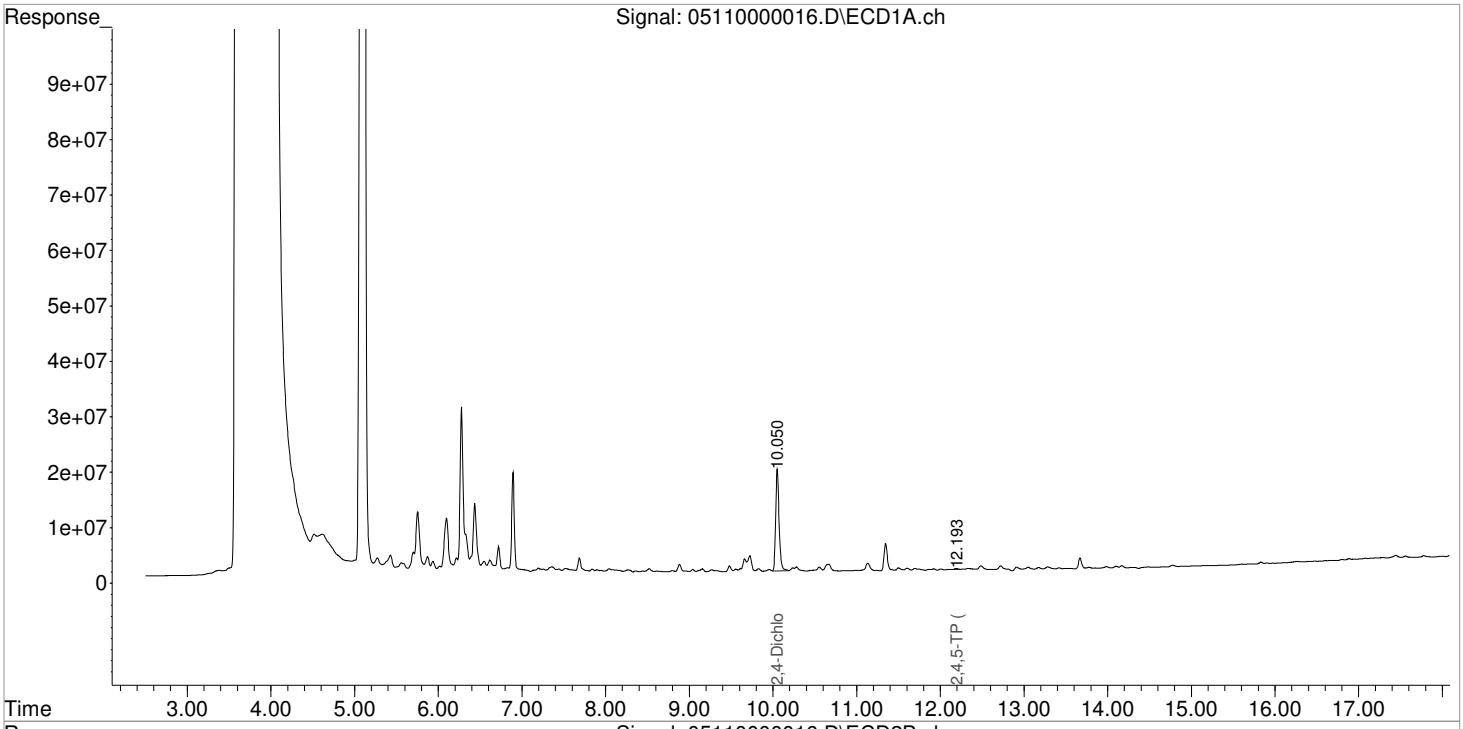
Quantitation Report (QT Reviewed)

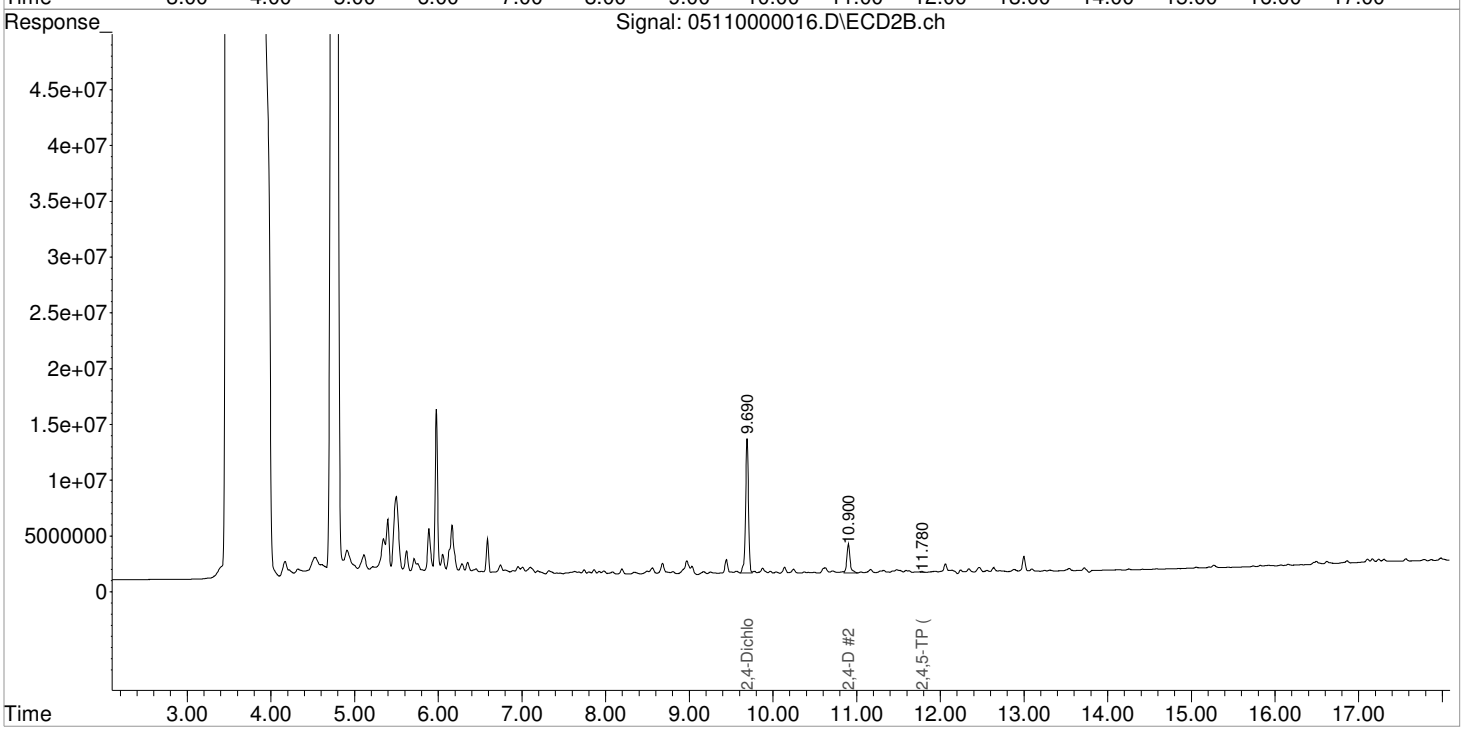
1st JTC 05/12/21
2nd 4w 05/12/21

Data File : J:\GC34\DATA\051121B-HB\05110000016.D Vial: 12
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11-May-2021, 18:41:12 Operator: JTC
Sample : K2104999-002 Inst : GCI
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: May 12 09:51:54 2021
Quant Results File: 050621_8151.RES

Quant Method : J:\GC34\METHODS\050621_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Thu May 06 15:52:39 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 05/12/21
2nd 4w 05/12/21

Validation Report

Data File: J:\GC34\DATA\051121B-HB\05110000012.D\
Lab ID: KQ2107796-03
RunType: MB
Matrix: Water

Date Acquired: 5/11/21 17:05:06
Batch ID: 723122
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 05/12/21
2nd 4w 05/12/21

Quantitation Report

Data File:	J:\GC34\DATA\051121B-HB\05110000012.D\	**Instrument:**	K-GC-34
Acqu Date:	5/11/21 17:05:06	**Vial:**	18
Run Type:	MB	**Dilution:**	1
Lab ID:	KQ2107796-03	**Raw Units:**	ppb

Bottle ID:		**Tier:**	IV	**Matrix:**	Water
Prod Code:	HERB	**Collect Date:**	5/3/21	**Receive Date:**	5/6/21

Analysis Lot:	723122	**Prep Lot:**	378976	**Report Group:**	KQ2107796
Analysis Method:	8151A	**Prep Method:**	Method		
		Prep Date:	5/10/21		

Title:	Chlorinated Herbicides by GC	**Calibration ID:**	KC2100249
		Report List ID:	18845

Surrogate Compounds

Parameter Name	RT 1	RT 2	Resp 1	Resp 2	Solution Conc 1	Solution Conc 2	% Rec 1	% Rec 2	% Rec	% Rec Criteria	Rpt?
2,4-Dichlorophenylacetic Acid	10.05	9.69	60008510	28798079	75.176	63.478	60	51	51	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 (Silvex)	12.18 -0.02	11.78 +0.02	1861659	1334382	0.639	0.792	0.013U	0.016U	0.045 U	Y
2,4-D	0.00	10.90	0	6914212	0.000	17.082	0U	0.34J	0.036 U	Y

Prep Amount:	1010.0000 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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Quantitation Report (QT Reviewed)

1st JTC 05/12/21
2nd 4w 05/12/21

Data File : J:\GC34\DATA\051121B-HB\05110000012.D Vial: 8
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11-May-2021, 17:05:06 Operator: JTC
Sample : KQ2107796-03 MB Inst : GCI
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: May 12 09:51:02 2021
Quant Results File: 050621_8151.RES

Quant Method : J:\GC34\METHODS\050621_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Thu May 06 15:52:39 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...	10.053	9.690	60008510	28798079	75.176	63.478
		Target Compounds						
1)	m	Dalapon	0.000	0.000	0	0	N.D. d	N.D. d
3)	m	Dicamba	0.000	0.000	0	0	N.D. d	N.D. d
4)	m	MCPP	0.000	0.000	0	0	N.D. d	N.D. d
5)	m	MCPA	0.000	0.000	0	0	N.D. d	N.D. d
6)	m	Dichloroprop	0.000	0.000	0	0	N.D. d	N.D. d
7)	m	2,4-D	0.000	10.900	0	6914212	N.D.	17.082 #
8)	m	2,4,5-TP ...	12.183	11.783	1861659	1334382	0.639	0.792
9)	m	2,4,5-T	0.000	0.000	0	0	N.D. d	N.D. d
10)	m	2,4-DB	0.000	0.000	0	0	N.D. d	N.D. d
11)	m	Dinoseb	0.000	0.000	0	0	N.D. d	N.D. d

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

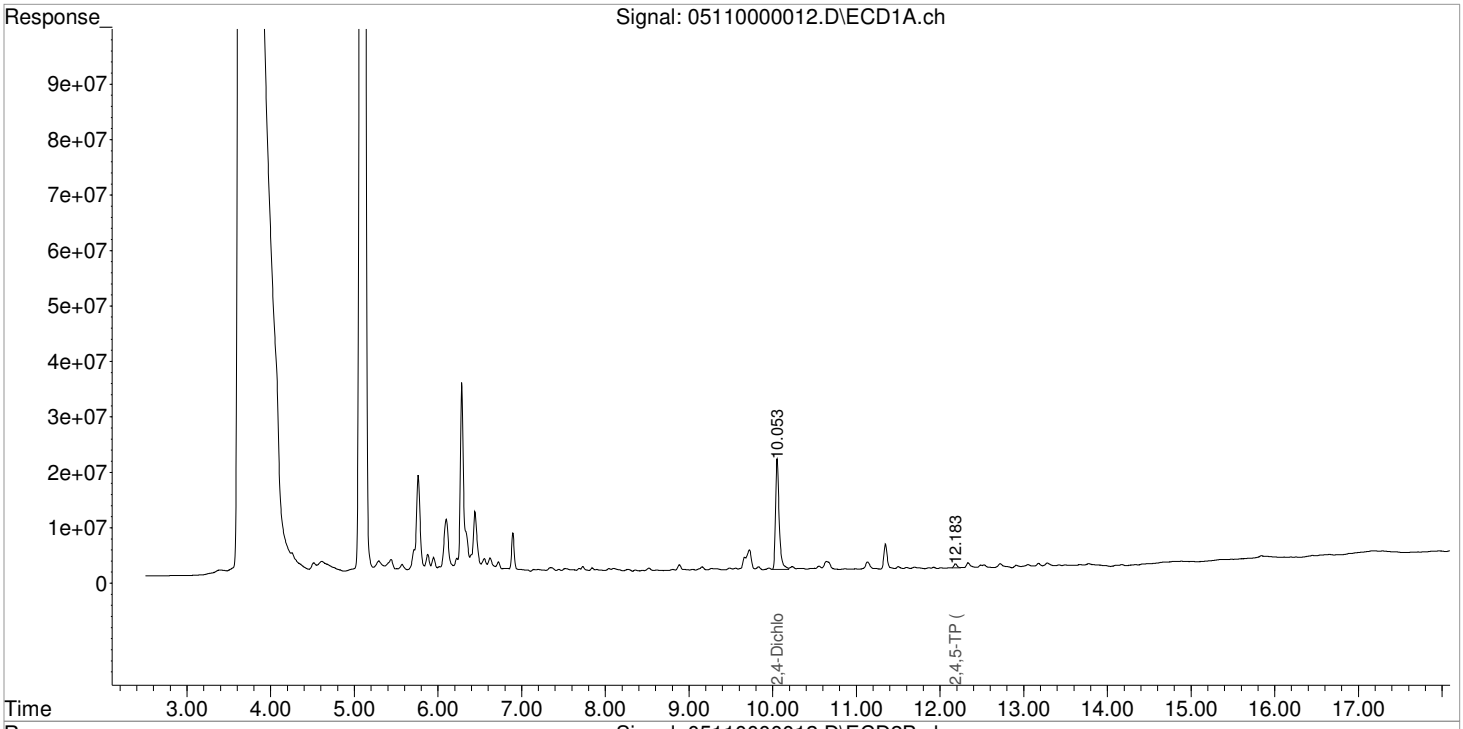
Quantitation Report (QT Reviewed)

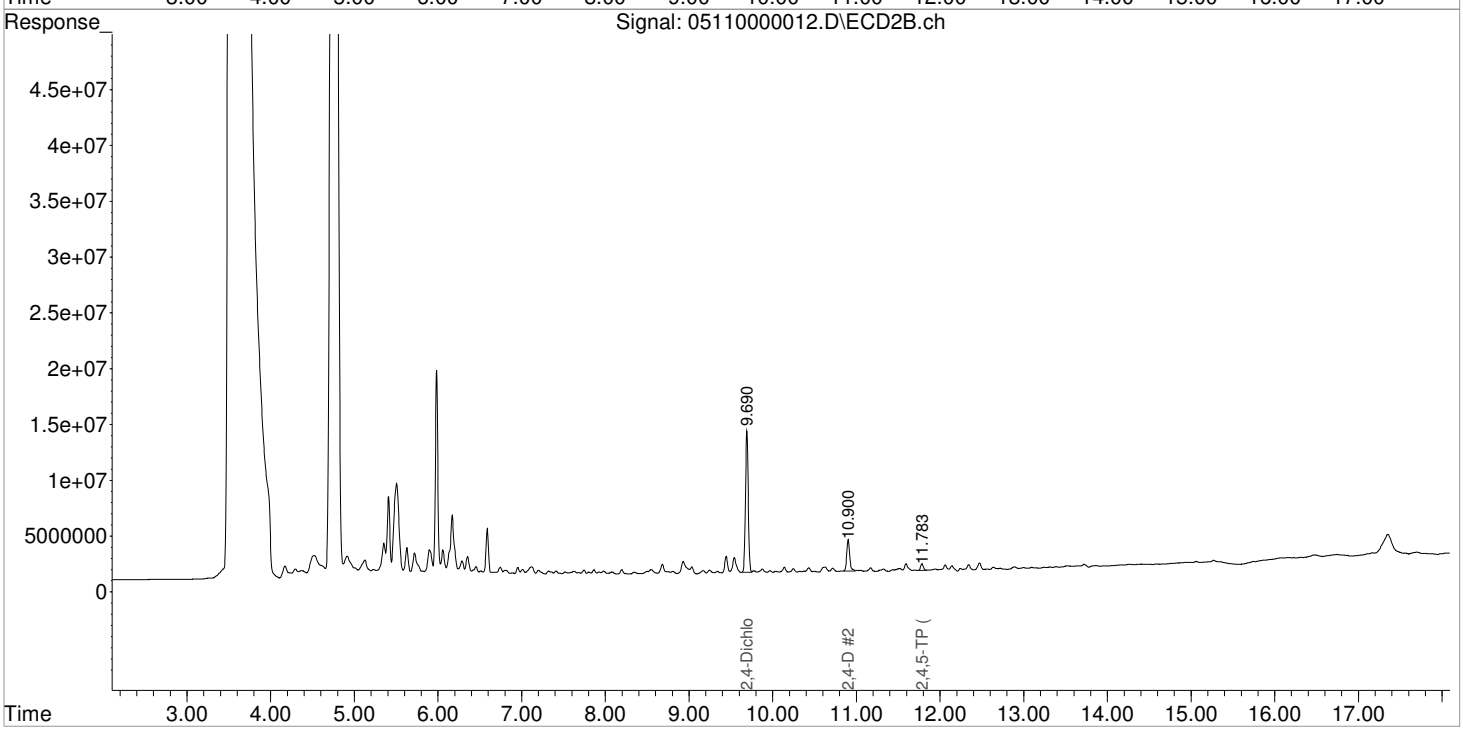
1st JTC 05/12/21
2nd 4w 05/12/21

Data File : J:\GC34\DATA\051121B-HB\05110000012.D Vial: 8
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11-May-2021, 17:05:06 Operator: JTC
Sample : KQ2107796-03 MB Inst : GCI
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: May 12 09:51:02 2021
Quant Results File: 050621_8151.RES

Quant Method : J:\GC34\METHODS\050621_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Thu May 06 15:52:39 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 05/12/21
2nd 4w 05/12/21

Validation Report

Data File: J:\GC34\DATA\051121B-HB\05110000013.D\
Lab ID: KQ2107796-01
RunType: LCS
Matrix: Water

Date Acquired: 5/11/21 17:29:06
Batch ID: 723122
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 05/12/21
2nd [illegible] 05/12/21

Quantitation Report

Data File:	J:\GC34\DATA\051121B-HB\05110000013.D\	**Instrument:**	K-GC-34
Acqu Date:	5/11/21 17:29:06	**Vial:**	16
Run Type:	LCS	**Dilution:**	1
Lab ID:	KQ2107796-01	**Raw Units:**	ppb

Bottle ID:		**Tier:**	IV	**Matrix:**	Water
Prod Code:	HERB	**Collect Date:**	5/3/21	**Receive Date:**	5/6/21

Analysis Lot:	723122	**Prep Lot:**	378976	**Report Group:**	KQ2107796
Analysis Method:	8151A	**Prep Method:**	Method		
		Prep Date:	5/10/21		

Title:	Chlorinated Herbicides by GC	**Calibration ID:**	KC2100249
		Report List ID:	18845

Surrogate Compounds

Parameter Name	RT 1	RT 2	Resp 1	Resp 2	Solution Conc 1	Solution Conc 2	% Rec 1	% Rec 2	% Rec	% Rec Criteria	Rpt?
2,4-Dichlorophenylacetic Acid	10.05	9.69	67038947	38765367	83.983	85.448	67	68	67	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 (Silvex)	12.20	11.76	294498188	163110258	101.093	96.866	2.02	1.94	**1.94**	Y
2,4-D	11.27	10.90	64837416	45073891	97.034	111.356	1.94	2.23	**1.94**	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 05/12/21
2nd 4w 05/12/21

Data File : J:\GC34\DATA\051121B-HB\05110000013.D Vial: 9
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11-May-2021, 17:29:06 Operator: JTC
Sample : KQ2107796-01 LCS Inst : GCI
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: May 12 09:51:14 2021
Quant Results File: 050621_8151.RES

Quant Method : J:\GC34\METHODS\050621_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Thu May 06 15:52:39 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...	10.050	9.693	67038947	38765367	83.983	85.448
		Target Compounds						
1)	m	Dalapon	0.000	0.000	0	0	N.D. d	N.D. d
3)	m	Dicamba	0.000	0.000	0	0	N.D. d	N.D. d
4)	m	MCPP	0.000	0.000	0	0	N.D. d	N.D. d
5)	m	MCPA	0.000	0.000	0	0	N.D. d	N.D. d
6)	m	Dichloroprop	0.000	0.000	0	0	N.D. d	N.D. d
7)	m	2,4-D	11.273	10.903	64837416	45073891	97.034	111.356
8)	m	2,4,5-TP ...	12.197	11.763	294.5E6	163.1E6	101.093	96.866
9)	m	2,4,5-T	0.000	0.000	0	0	N.D. d	N.D. d
10)	m	2,4-DB	0.000	0.000	0	0	N.D. d	N.D. d
11)	m	Dinoseb	0.000	0.000	0	0	N.D. d	N.D. d

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

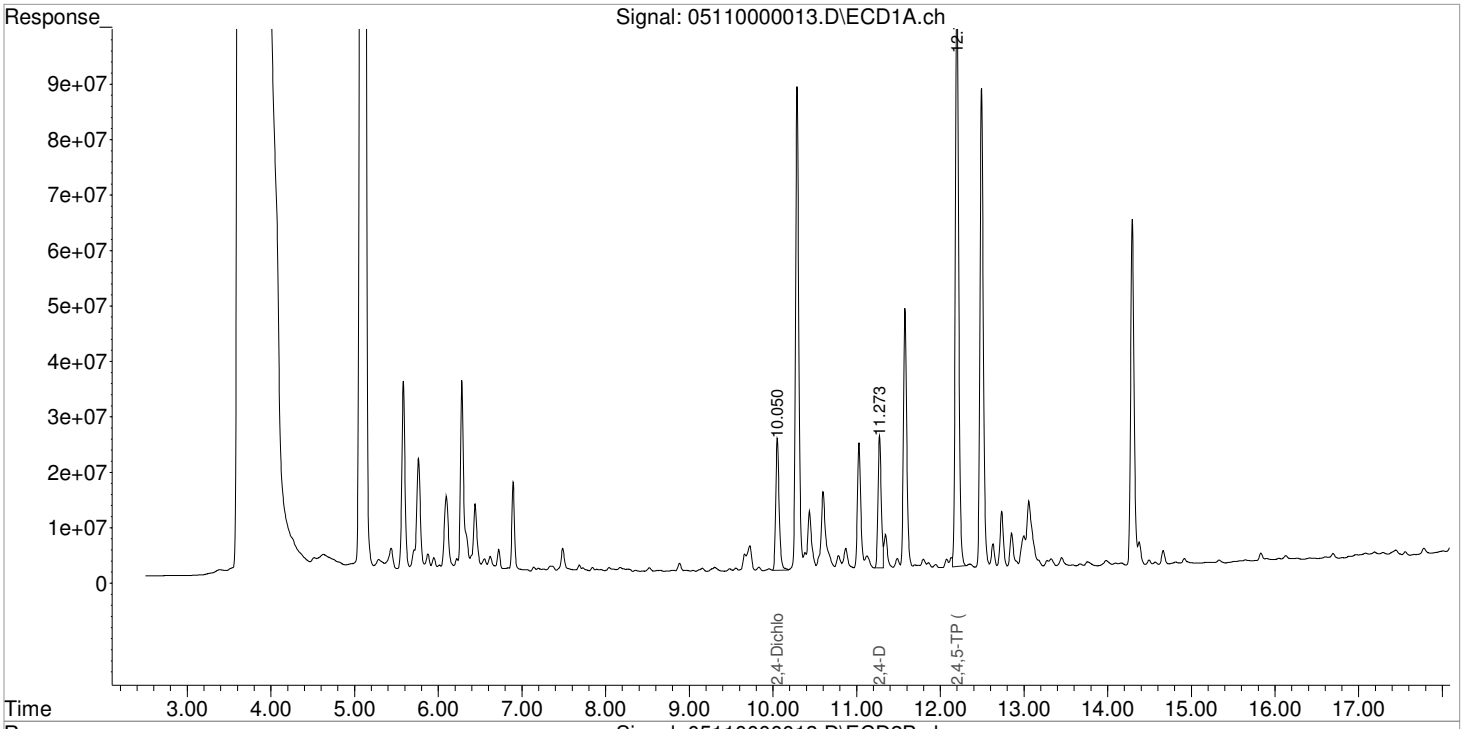
Quantitation Report (QT Reviewed)

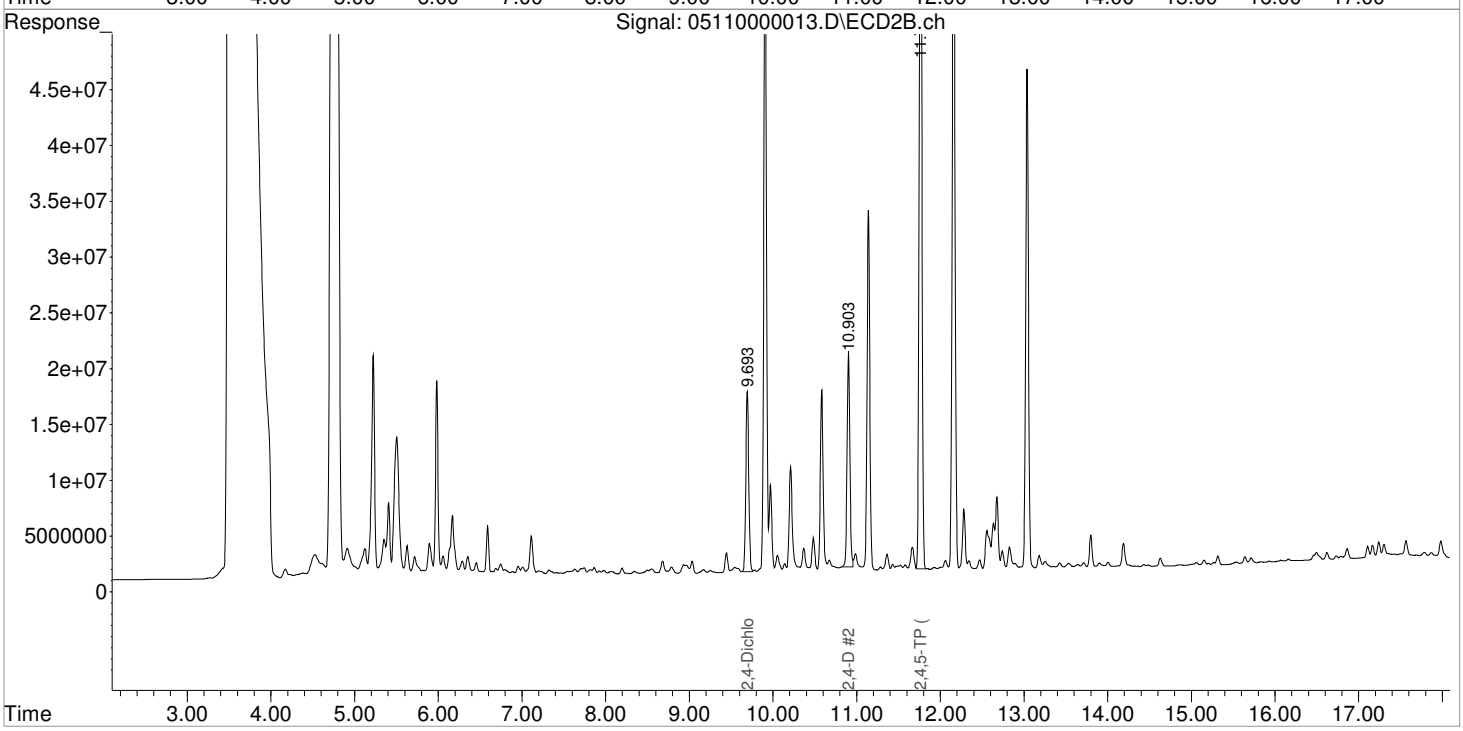
1st JTC 05/12/21
2nd 4w 05/12/21

Data File : J:\GC34\DATA\051121B-HB\05110000013.D Vial: 9
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11-May-2021, 17:29:06 Operator: JTC
Sample : KQ2107796-01 LCS Inst : GCI
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: May 12 09:51:14 2021
Quant Results File: 050621_8151.RES

Quant Method : J:\GC34\METHODS\050621_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Thu May 06 15:52:39 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 05/12/21
2nd [illegible] 05/12/21

Validation Report

Data File: J:\GC34\DATA\051121B-HB\05110000014.D\
Lab ID: KQ2107796-02
RunType: DLCS
Matrix: Water

Date Acquired: 5/11/21 17:53:12
Batch ID: 723122
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 05/12/21
2nd 4w 05/12/21

Quantitation Report

Data File:	J:\GC34\DATA\051121B-HB\05110000014.D\	**Instrument:**	K-GC-34
Acqu Date:	5/11/21 17:53:12	**Vial:**	17
Run Type:	DLCS	**Dilution:**	1
Lab ID:	KQ2107796-02	**Raw Units:**	ppb

Bottle ID:		**Tier:**	IV	**Matrix:**	Water
Prod Code:	HERB	**Collect Date:**	5/3/21	**Receive Date:**	5/6/21

Analysis Lot:	723122	**Prep Lot:**	378976	**Report Group:**	KQ2107796
Analysis Method:	8151A	**Prep Method:**	Method		
		Prep Date:	5/10/21		

Title:	Chlorinated Herbicides by GC	**Calibration ID:**	KC2100249
		Report List ID:	18845

Surrogate Compounds

Parameter Name	RT 1	RT 2	Resp 1	Resp 2	Solution Conc 1	Solution Conc 2	% Rec 1	% Rec 2	% Rec	% Rec Criteria	Rpt?
2,4-Dichlorophenylacetic Acid	10.05	9.69	65182713	34344913	81.658	75.705	65	61	61	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 (Silvex)	12.20	11.76	263021177	146086988	90.288	86.756	1.81	1.74	**1.74**	Y
2,4-D	11.27	10.90	58549920	40760572	87.624	100.700	1.75	2.01	**1.75**	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 05/12/21
2nd 4w 05/12/21

Data File : J:\GC34\DATA\051121B-HB\05110000014.D Vial: 10
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11-May-2021, 17:53:12 Operator: JTC
Sample : KQ2107796-02 DLCS Inst : GCI
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: May 12 09:51:26 2021
Quant Results File: 050621_8151.RES

Quant Method : J:\GC34\METHODS\050621_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Thu May 06 15:52:39 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...	10.050	9.690	65182713	34344913	81.658	75.705
		Target Compounds						
1)	m	Dalapon	0.000	0.000	0	0	N.D. d	N.D. d
3)	m	Dicamba	0.000	0.000	0	0	N.D. d	N.D. d
4)	m	MCPP	0.000	0.000	0	0	N.D. d	N.D. d
5)	m	MCPA	0.000	0.000	0	0	N.D. d	N.D. d
6)	m	Dichloroprop	0.000	0.000	0	0	N.D. d	N.D. d
7)	m	2,4-D	11.273	10.900	58549920	40760572	87.624	100.700
8)	m	2,4,5-TP ...	12.197	11.763	263.0E6	146.1E6	90.288	86.756
9)	m	2,4,5-T	0.000	0.000	0	0	N.D. d	N.D. d
10)	m	2,4-DB	0.000	0.000	0	0	N.D. d	N.D. d
11)	m	Dinoseb	0.000	0.000	0	0	N.D. d	N.D. d

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

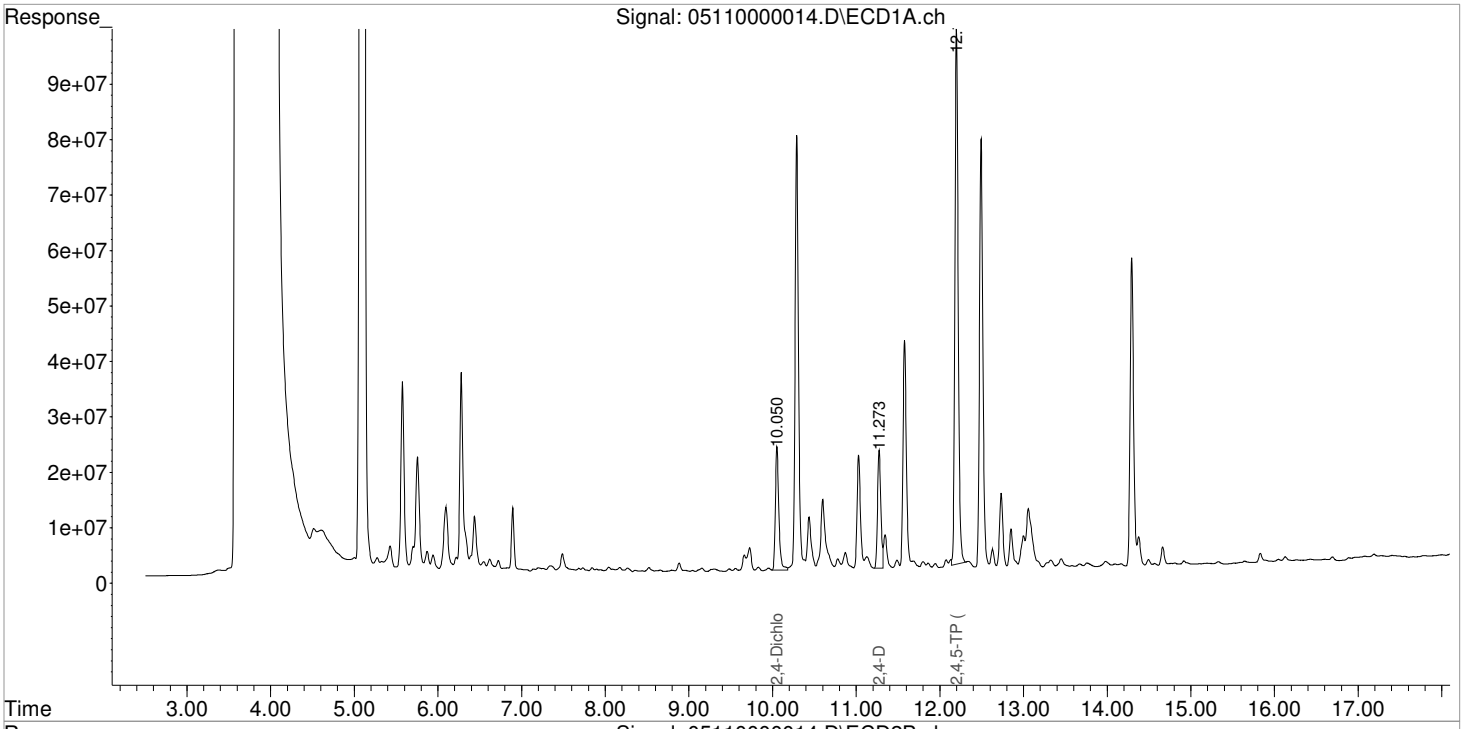
Quantitation Report (QT Reviewed)

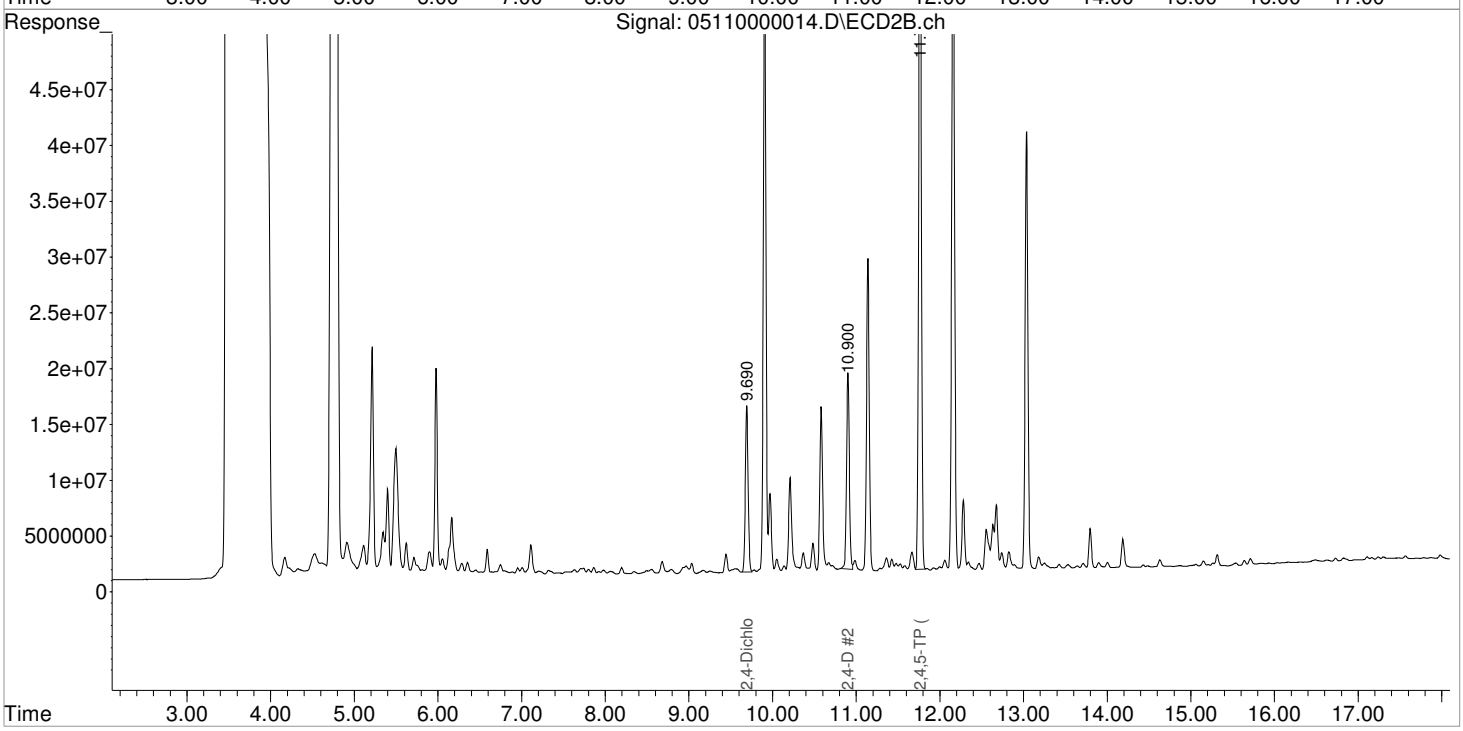
1st JTC 05/12/21
2nd 4w 05/12/21

Data File : J:\GC34\DATA\051121B-HB\05110000014.D Vial: 10
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11-May-2021, 17:53:12 Operator: JTC
Sample : KQ2107796-02 DLCS Inst : GCI
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: May 12 09:51:26 2021
Quant Results File: 050621_8151.RES

Quant Method : J:\GC34\METHODS\050621_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Thu May 06 15:52:39 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 05/12/21
2nd 4w 05/12/21

Validation Report

Data File: J:\GC34\DATA\051121B-HB\05110000011.D\
Lab ID: KQ2108116-04
RunType: CCB
Matrix: Water

Date Acquired: 5/11/21 16:41:05
Batch ID: 723122
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	

NR

Primary Review: _____

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Secondary Review: _____

1st JTC 05/12/21
2nd JW 05/12/21

Quantitation Report

Data File:	J:\GC34\DATA\051121B-HB\05110000011.D\	**Instrument:**	K-GC-34
Acqu Date:	5/11/21 16:41:05	**Vial:**	4
Run Type:	CCB	**Dilution:**	1
Lab ID:	KQ2108116-04	**Raw Units:**	ppb

Bottle ID:		**Tier:**	IV	**Matrix:**	Water
Prod Code:	HERB	**Collect Date:**	5/3/21	**Receive Date:**	5/6/21

Analysis Lot:	723122	**Prep Lot:**		**Report Group:**	KQ2108116
Analysis Method:	8151A	**Prep Method:**			
		Prep Date:			

Title:	Chlorinated Herbicides by GC	**Calibration ID:**	KC2100249
		Report List ID:	18726

Surrogate Compounds

Parameter Name	RT 1	RT 2	Resp 1	Resp 2	Solution Conc 1	Solution Conc 2	% Rec 1	% Rec 2	% Rec	% Rec Criteria	Rpt?
2,4-Dichlorophenylacetic Acid	0.00	0.00	0	0	0.000	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-T	0.00	0.00	0	0	0.000	0.000	0U	0U	0.033 U	Y
2,4,5-TP (Silvex)	0.00	0.00	0	0	0.000	0.000	0U	0U	0.045 U	Y
2,4-D	0.00	0.00	0	0	0.000	0.000	0U	0U	0.036 U	Y
2,4-DB	0.00	0.00	0	0	0.000 CCV	0.000	0U	0U	0.10 U	Y
Dalapon	5.65 +0.06	5.18 -0.05	211087	72254	0.206	0.130	0.0041U	0.0026U	0.28 U	Y
Dicamba	0.00	0.00	0	0	0.000	0.000	0U	0U	0.025 U	Y
Dichlorprop	0.00	0.00	0	709118	0.000	0.000	0U	0U	0.030 U	Y
Dinoseb	0.00	0.00	0	0	0.000	0.000	0U	0U	0.015 U	Y
MCPA	0.00	0.00	0	423029	0.000	0.000	0U	0U	8.7 U	Y
MCPP	0.00	0.00	0	0	0.000	0.000	0U	0U	14 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

Data File:	J:\GC34\DATA\051121B-HB\05110000011.D\	**Instrument:**	K-GC-34
Acqu Date:	5/11/21 16:41:05	**Vial:**	4
Run Type:	CCB	**Dilution:**	1
Lab ID:	KQ2108116-04	**Raw Units:**	ppb

Bottle ID:		**Tier:**	IV	**Matrix:**	Water
Prod Code:	HERB	**Collect Date:**	5/3/21	**Receive Date:**	5/6/21

Analysis Lot:	723122	**Prep Lot:**		**Report Group:**	KQ2108116
Analysis Method:	8151A	**Prep Method:**			
		Prep Date:			

Title:	Chlorinated Herbicides by GC	**Calibration ID:**	KC2100249
		Report List ID:	18845

Surrogate Compounds

Parameter Name	RT 1	RT 2	Resp 1	Resp 2	Solution Conc 1	Solution Conc 2	% Rec 1	% Rec 2	% Rec	% Rec Criteria	Rpt?
2,4-Dichlorophenylacetic Acid	0.00	0.00	0	0	0.000	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 (Silvex)	0.00	0.00	0	0	0.000	0.000	0U	0U	0.045 U	Y
2,4-D	0.00	0.00	0	0	0.000	0.000	0U	0U	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 05/12/21
2nd 4w 05/12/21

Data File : J:\GC34\DATA\051121B-HB\05110000011.D Vial: 2
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11-May-2021, 16:41:05 Operator: JTC
Sample : IB Inst : GCI
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: May 12 09:46:46 2021
Quant Results File: 050621_8151.RES

Quant Method : J:\GC34\METHODS\050621_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Thu May 06 15:52:39 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.	N.D.	
		Target Compounds							
1)	m	Dalapon	5.650f	5.177f	211087	72254	0.206	0.130	#
3)	m	Dicamba	0.000	0.000	0	0	N.D.	N.D.	
4)	m	MCPP	0.000	0.000	0	0	N.D.	N.D.	
5)	m	MCPA	0.000	10.203	0	423029	N.D.	N.D.	
6)	m	Dichloroprop	0.000	10.600	0	709118	N.D.	N.D.	
7)	m	2,4-D	0.000	0.000	0	0	N.D.	N.D.	
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.

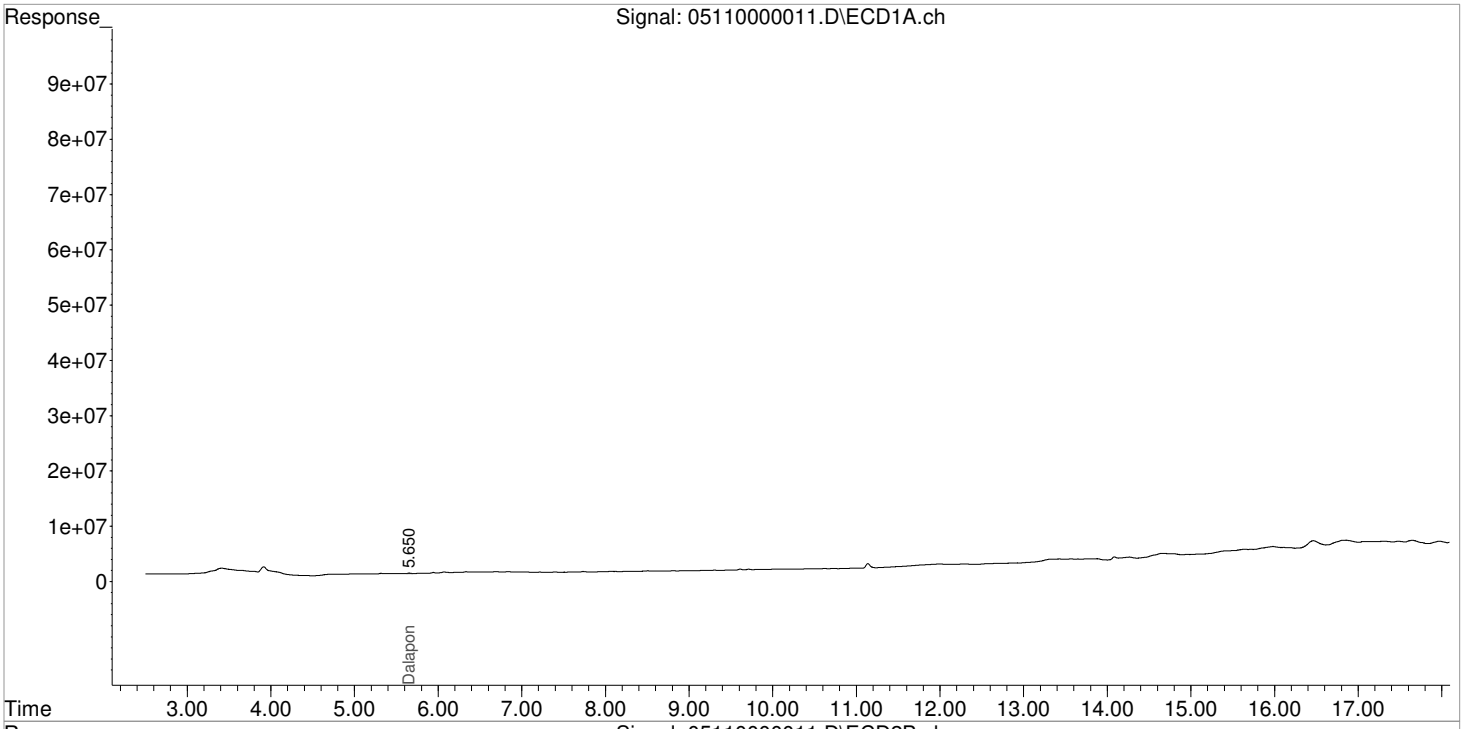
Quantitation Report (QT Reviewed)

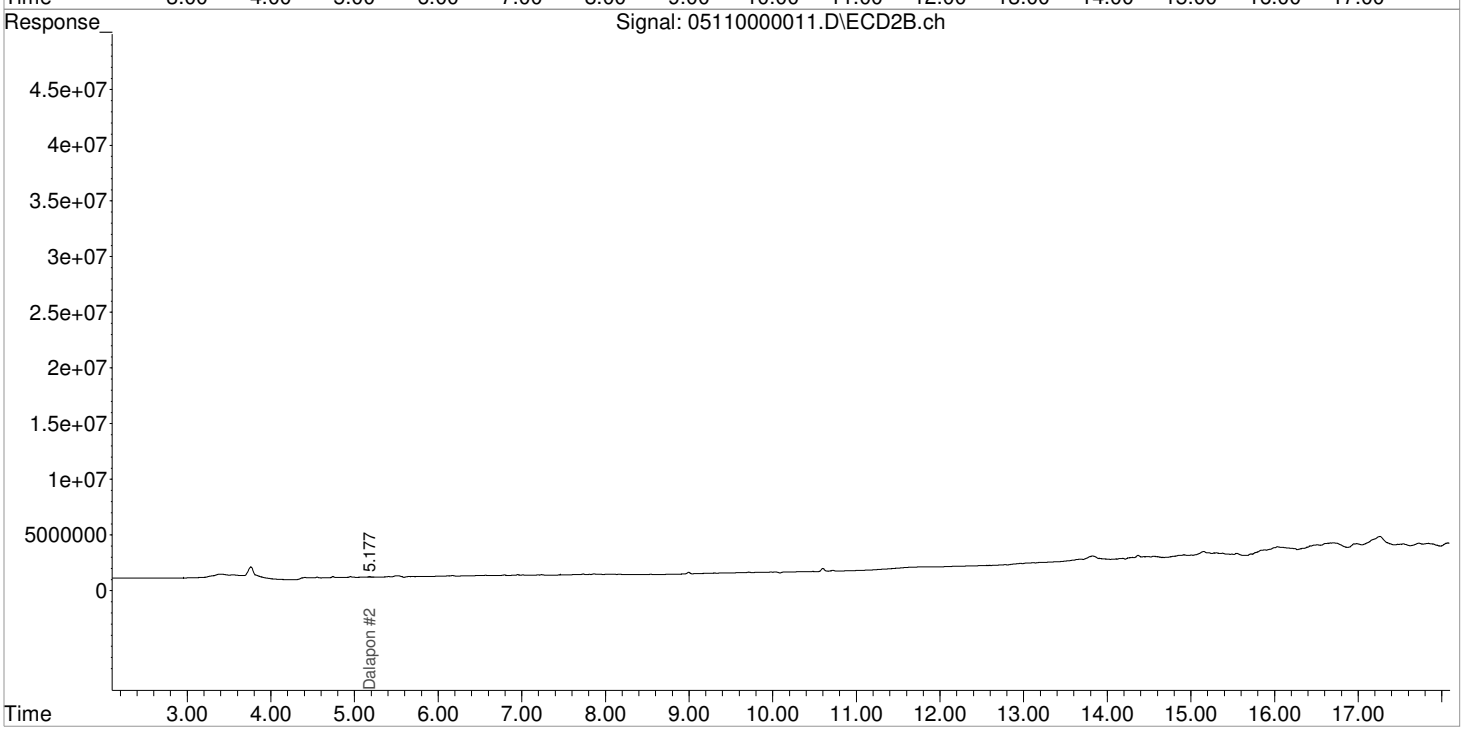
1st JTC 05/12/21
2nd 4w 05/12/21

Data File : J:\GC34\DATA\051121B-HB\05110000011.D Vial: 2
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11-May-2021, 16:41:05 Operator: JTC
Sample : IB Inst : GCI
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: May 12 09:46:46 2021
Quant Results File: 050621_8151.RES

Quant Method : J:\GC34\METHODS\050621_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Thu May 06 15:52:39 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 05/12/21
2nd 4w 05/12/21

Validation Report

Data File: J:\GC34\DATA\051121B-HB\05110000018.D\
Lab ID: KQ2108116-06
RunType: CCB
Matrix: Misc. Solid

Date Acquired: 5/11/21 19:29:08
Batch ID: 723122
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	

NR

NR

Primary Review: _____

Secondary Review: _____

Validation Report

Data File: J:\GC34\DATA\051121B-HB\05110000018.D\
Lab ID: KQ2108116-08
RunType: CCB
Matrix: Water

Date Acquired: 5/11/21 19:29:08
Batch ID: 723122
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 05/12/21
2nd [illegible] 05/12/21

Quantitation Report

Data File:	J:\GC34\DATA\051121B-HB\05110000018.D\	**Instrument:**	K-GC-34
Acqu Date:	5/11/21 19:29:08	**Vial:**	6
Run Type:	CCB	**Dilution:**	1
Lab ID:	KQ2108116-06	**Raw Units:**	ppb

Bottle ID:		**Tier:**	II	**Matrix:**	Misc. Solid
Prod Code:	HERB	**Collect Date:**	4/20/21	**Receive Date:**	4/22/21

Analysis Lot:	723122	**Prep Lot:**		**Report Group:**	KQ2108116
Analysis Method:	8151A	**Prep Method:**			
		Prep Date:			

Title:	Chlorinated Herbicides by GC	**Calibration ID:**	KC2100249
		Report List ID:	18726

Surrogate Compounds

Parameter Name	RT 1	RT 2	Resp 1	Resp 2	Solution Conc 1	Solution Conc 2	% Rec 1	% Rec 2	% Rec	% Rec Criteria	Rpt?
2,4-Dichlorophenylacetic Acid	0.00	0.00	0	0	0.000	0.000				26 - 127	Y

Target Compounds

Final Conc.Units: ug/Kg

Parameter Name	RT 1	RT 2	Resp 1	Resp 2	Solution Conc 1	Solution Conc 2	Final Conc 1	Final Conc 2	Primary Conc	Rpt?
2,4,5-T	0.00	0.00	0	0	0.000	0.000	0U	0U	4.0 U	Y
2,4,5-TP (Silvex)	0.00	0.00	0	0	0.000	0.000	0U	0U	2.4 U	Y
2,4-D	0.00	0.00	0	0	0.000	0.000	0U	0U	7.7 U	Y
2,4-DB	0.00	0.00	0	0	0.000^{CCV}	0.000^{CCV}	0U	0U	5.4 U	Y
Dalapon	5.65 $^{+0.06}$	5.18 $^{-0.05}$	128279	58451	0.125	0.105	0.21U	0.18U	5.5 U	Y
Dicamba	0.00	0.00	0	0	0.000	0.000	0U	0U	4.3 U	Y
Dichlorprop	0.00	0.00	0	781107	0.000	0.000	0U	0U	3.4 U	Y
Dinoseb	0.00	0.00	0	0	0.000	0.000	0U	0U	2.7 U	Y
MCPA	0.00	0.00	162775	0	0.000	0.000	0U	0U	320 U	Y
MCPP	0.00	0.00	0	0	0.000	0.000	0U	0U	460 U	Y

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

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

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

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

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Quantitation Report

Data File:	J:\GC34\DATA\051121B-HB\05110000018.D\	**Instrument:**	K-GC-34
Acqu Date:	5/11/21 19:29:08	**Vial:**	6
Run Type:	CCB	**Dilution:**	1
Lab ID:	KQ2108116-06	**Raw Units:**	ppb

Bottle ID:		**Tier:**	II	**Matrix:**	Misc. Solid
Prod Code:	HERB	**Collect Date:**	4/20/21	**Receive Date:**	4/22/21

Analysis Lot:	723122	**Prep Lot:**		**Report Group:**	KQ2108116
Analysis Method:	8151A	**Prep Method:**			
		Prep Date:			

Title:	Chlorinated Herbicides by GC	**Calibration ID:**	KC2100249
		Report List ID:	19326

Surrogate Compounds

Parameter Name	RT 1	RT 2	Resp 1	Resp 2	Solution Conc 1	Solution Conc 2	% Rec 1	% Rec 2	% Rec	% Rec Criteria	Rpt?
2,4-Dichlorophenylacetic Acid	0.00	0.00	0	0	0.000	0.000				26 - 127	Y

Target Compounds

Final Conc.Units: ug/Kg

Parameter Name	RT 1	RT 2	Resp 1	Resp 2	Solution Conc 1	Solution Conc 2	Final Conc 1	Final Conc 2	Primary Conc	Rpt?
MCPA	0.00	0.00	162775	0	0.000	0.000	0U	0U	5000 U	Y
MCPP	0.00	0.00	0	0	0.000	0.000	0U	0U	5000 U	Y

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

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

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

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

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Quantitation Report

Data File:	J:\GC34\DATA\051121B-HB\05110000018.D\	**Instrument:**	K-GC-34
Acqu Date:	5/11/21 19:29:08	**Vial:**	13
Run Type:	CCB	**Dilution:**	1
Lab ID:	KQ2108116-08	**Raw Units:**	ppb

Bottle ID:		**Tier:**	IV	**Matrix:**	Water
Prod Code:	HERB	**Collect Date:**	5/3/21	**Receive Date:**	5/6/21

Analysis Lot:	723122	**Prep Lot:**		**Report Group:**	KQ2108116
Analysis Method:	8151A	**Prep Method:**			
		Prep Date:			

Title:	Chlorinated Herbicides by GC	**Calibration ID:**	KC2100249
		Report List ID:	18845

Surrogate Compounds

Parameter Name	RT 1	RT 2	Resp 1	Resp 2	Solution Conc 1	Solution Conc 2	% Rec 1	% Rec 2	% Rec	% Rec Criteria	Rpt?
2,4-Dichlorophenylacetic Acid	0.00	0.00	0	0	0.000	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 (Silvex)	0.00	0.00	0	0	0.000	0.000	0U	0U	0.045 U	Y
2,4-D	0.00	0.00	0	0	0.000	0.000	0U	0U	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 05/12/21
2nd 4w 05/12/21

Data File : J:\GC34\DATA\051121B-HB\05110000018.D Vial: 2
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11-May-2021, 19:29:08 Operator: JTC
Sample : IB Inst : GCI
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: May 12 09:47:06 2021
Quant Results File: 050621_8151.RES

Quant Method : J:\GC34\METHODS\050621_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Thu May 06 15:52:39 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.	N.D.
		Target Compounds						
1)	m	Dalapon	5.650f	5.177f	128279	58451	0.125	0.105
3)	m	Dicamba	0.000	0.000	0	0	N.D.	N.D.
4)	m	MCPP	0.000	0.000	0	0	N.D.	N.D.
5)	m	MCPA	10.617	0.000	162775	0	N.D.	N.D.
6)	m	Dichloroprop	0.000	10.597	0	781107	N.D.	N.D.
7)	m	2,4-D	0.000	0.000	0	0	N.D.	N.D.
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.

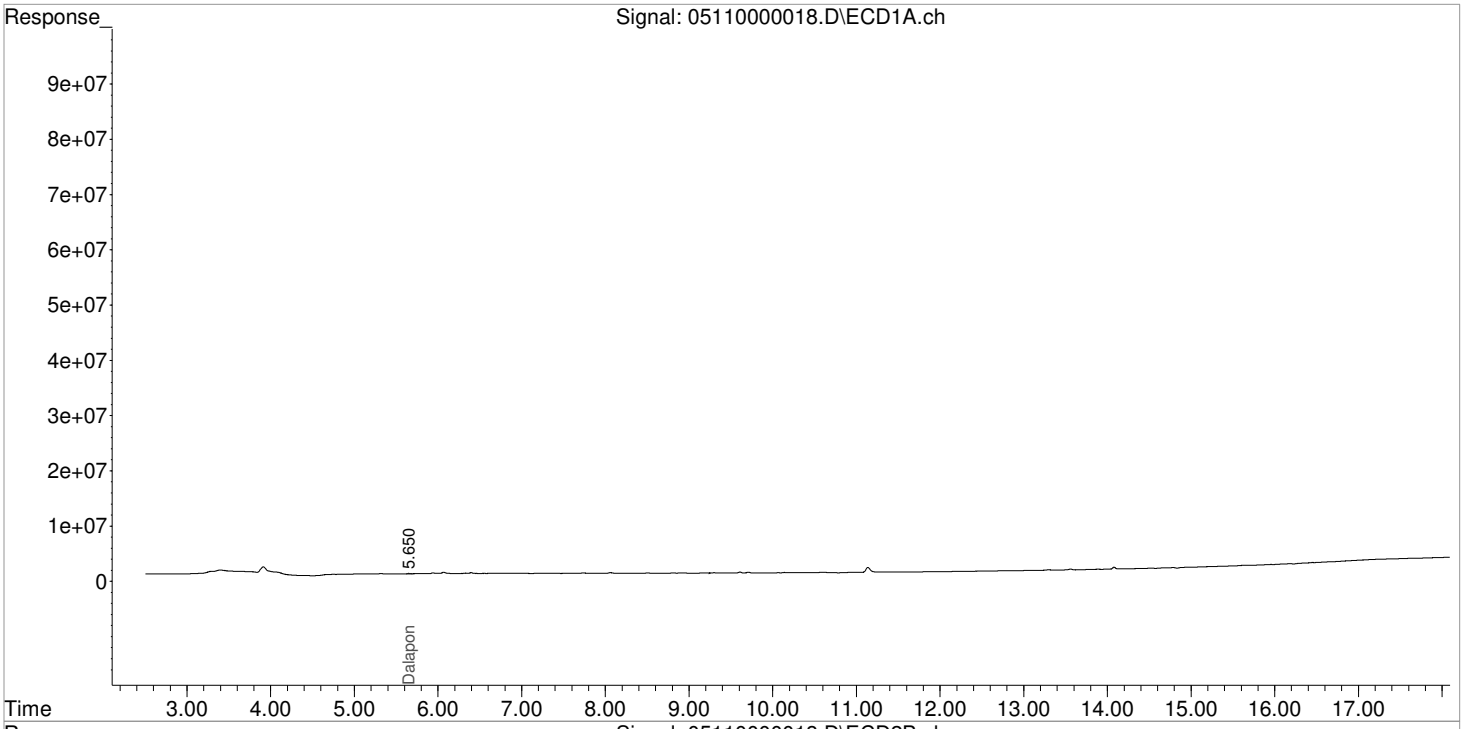
Quantitation Report (QT Reviewed)

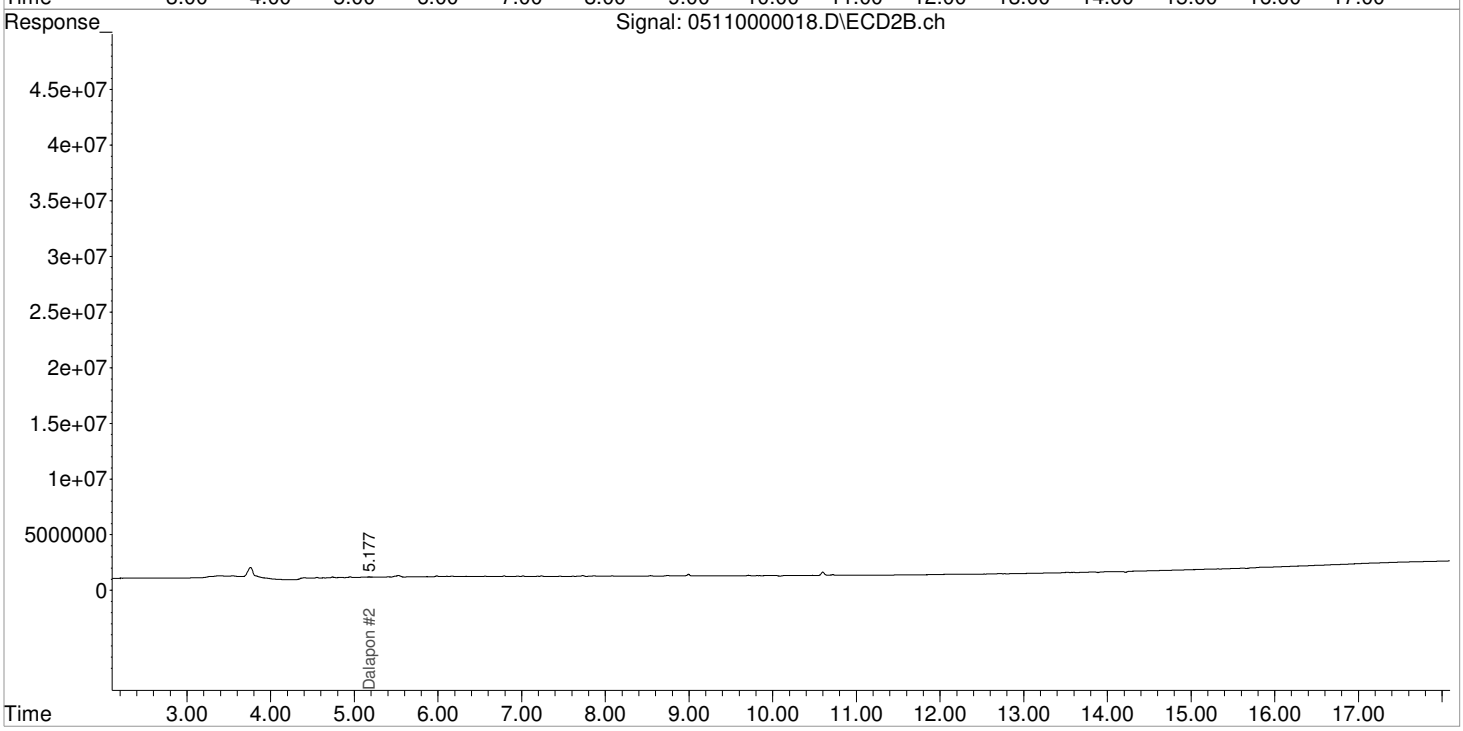
1st JTC 05/12/21
2nd 4w 05/12/21

Data File : J:\GC34\DATA\051121B-HB\05110000018.D Vial: 2
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11-May-2021, 19:29:08 Operator: JTC
Sample : IB Inst : GCI
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: May 12 09:47:06 2021
Quant Results File: 050621_8151.RES

Quant Method : J:\GC34\METHODS\050621_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Thu May 06 15:52:39 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 05/12/21
2nd 4w 05/12/21

Validation Report

Data File: J:\GC34\DATA\051121B-HB\05110000010.D\
Lab ID: KQ2108116-03
RunType: CCV
Matrix: Water

Date Acquired: 5/11/21 16:16:56
Batch ID: 723122
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 05/12/21
2nd [illegible] 05/12/21

Quantitation Report

Data File:	J:\GC34\DATA\051121B-HB\05110000010.D\	**Instrument:**	K-GC-34
Acqu Date:	5/11/21 16:16:56	**Vial:**	3
Run Type:	CCV	**Dilution:**	1
Lab ID:	KQ2108116-03	**Raw Units:**	ppb

Bottle ID:		**Tier:**	IV	**Matrix:**	Water
Prod Code:	HERB	**Collect Date:**	5/3/21	**Receive Date:**	5/6/21

Analysis Lot:	723122	**Prep Lot:**		**Report Group:**	KQ2108116
Analysis Method:	8151A	**Prep Method:**			
		Prep Date:			

Title:	Chlorinated Herbicides by GC	**Calibration ID:**	KC2100249
		Report List ID:	18726

Surrogate Compounds

Parameter Name	RT 1	RT 2	Resp 1	Resp 2	Solution Conc 1	Solution Conc 2	% Rec 1	% Rec 2	Rpt?
2,4-Dichlorophenylacetic Acid	10.05	9.69	73124247	40088432	91.606	88.365			Y

Target Compounds

Parameter Name	RT 1	RT 2	Resp 1	Resp 2	Solution Conc 1	Solution Conc 2	Final Conc 1	Final Conc 2	Rpt?
2,4,5-T	12.49	12.16	244034289	132110333	113.025	106.326	113	106	Y
2,4,5-TP (Silvex)	12.20	11.76	328312176	180147087	112.701	106.983	113	107	Y
2,4-D	11.27	10.90	71562824	40002926	107.099	98.828	107	98.8	Y
2,4-DB	13.06	12.68	30314076	14757013	137.858	111.596	138	112	Y
Dalapon	5.59	5.23	84209016	46625688	82.161	83.874	82.2	83.9	Y
Dicamba	10.29	9.91	251442800	139159506	97.226	94.694	97.2	94.7	Y
Dichlorprop	11.03	10.58	69862517	39720345	98.425	95.704	98.4	95.7	Y
Dinoseb	14.29	13.04	216958978	116834877	111.620	102.031	112	102	Y
MCPA	10.60	10.21	49475965	24597285	10001.274	8773.632	10000	8770	Y
MCPP	10.44	9.97	33235272	16605777	10088.194	9593.257	10100	9590	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

Data File:	J:\GC34\DATA\051121B-HB\05110000010.D\	**Instrument:**	K-GC-34
Acqu Date:	5/11/21 16:16:56	**Vial:**	3
Run Type:	CCV	**Dilution:**	1
Lab ID:	KQ2108116-03	**Raw Units:**	ppb

Bottle ID:		**Tier:**	IV	**Matrix:**	Water
Prod Code:	HERB	**Collect Date:**	5/3/21	**Receive Date:**	5/6/21

Analysis Lot:	723122	**Prep Lot:**		**Report Group:**	KQ2108116
Analysis Method:	8151A	**Prep Method:**			
		Prep Date:			

Title:	Chlorinated Herbicides by GC	**Calibration ID:**	KC2100249
		Report List ID:	18845

Surrogate Compounds

Parameter Name	RT 1	RT 2	Resp 1	Resp 2	Solution Conc 1	Solution Conc 2	% Rec 1	% Rec 2	Rpt?
2,4-Dichlorophenylacetic Acid	10.05	9.69	73124247	40088432	91.606	88.365			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 (Silvex)	12.20	11.76	328312176	180147087	112.701	106.983	113	107	Y
2,4-D	11.27	10.90	71562824	40002926	107.099	98.828	107	98.8	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 05/12/21
2nd 4w 05/12/21

Data File : J:\GC34\DATA\051121B-HB\05110000010.D Vial: 1
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11-May-2021, 16:16:56 Operator: JTC
Sample : PENTA02-29F 100PPB CCV Inst : GCI
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: May 12 09:46:44 2021
Quant Results File: 050621_8151.RES

Quant Method : J:\GC34\METHODS\050621_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Thu May 06 15:52:39 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...	10.053	9.693	73124247	40088432	91.606	88.365
		Target Compounds						
1)	m	Dalapon	5.593	5.233	84209016	46625688	82.161	83.874
3)	m	Dicamba	10.290	9.907	251.4E6	139.2E6	97.226	94.694
4)	m	MCPP	10.437	9.970	33235272	16605777	10088.194	9593.257
5)	m	MCPA	10.600	10.210	49475965	24597285	10001.274	8773.632
6)	m	Dichloroprop	11.030	10.583	69862517	39720345	98.425	95.704
7)	m	2,4-D	11.273	10.903	71562824	40002926	107.099	98.828
8)	m	2,4,5-TP ...	12.200	11.763	328.3E6	180.1E6	112.701	106.983
9)	m	2,4,5-T	12.493	12.160	244.0E6	132.1E6	113.025	106.326
10)	m	2,4-DB	13.060	12.677	30314076	14757013	137.858	111.596
11)	m	Dinoseb	14.293	13.037	217.0E6	116.8E6	111.620	102.031

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

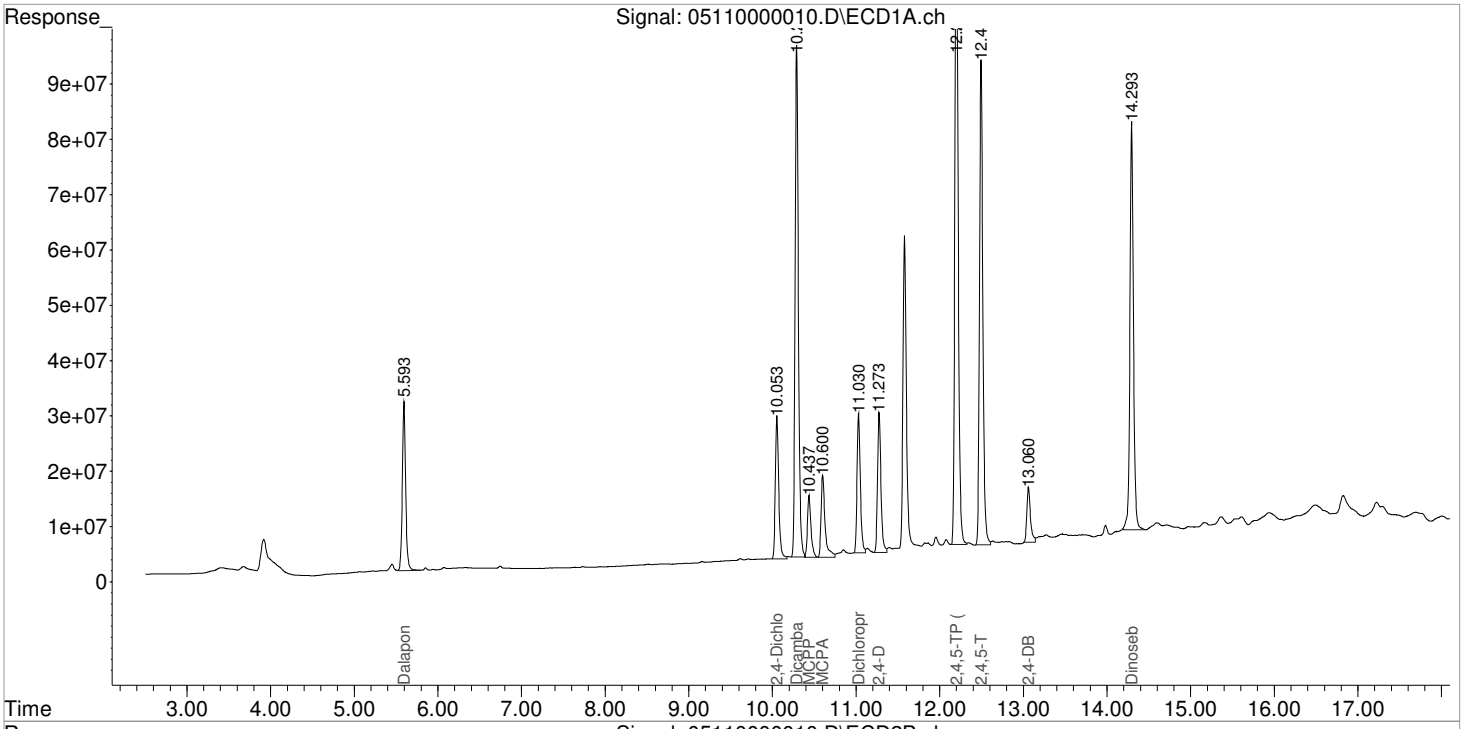
Quantitation Report (QT Reviewed)

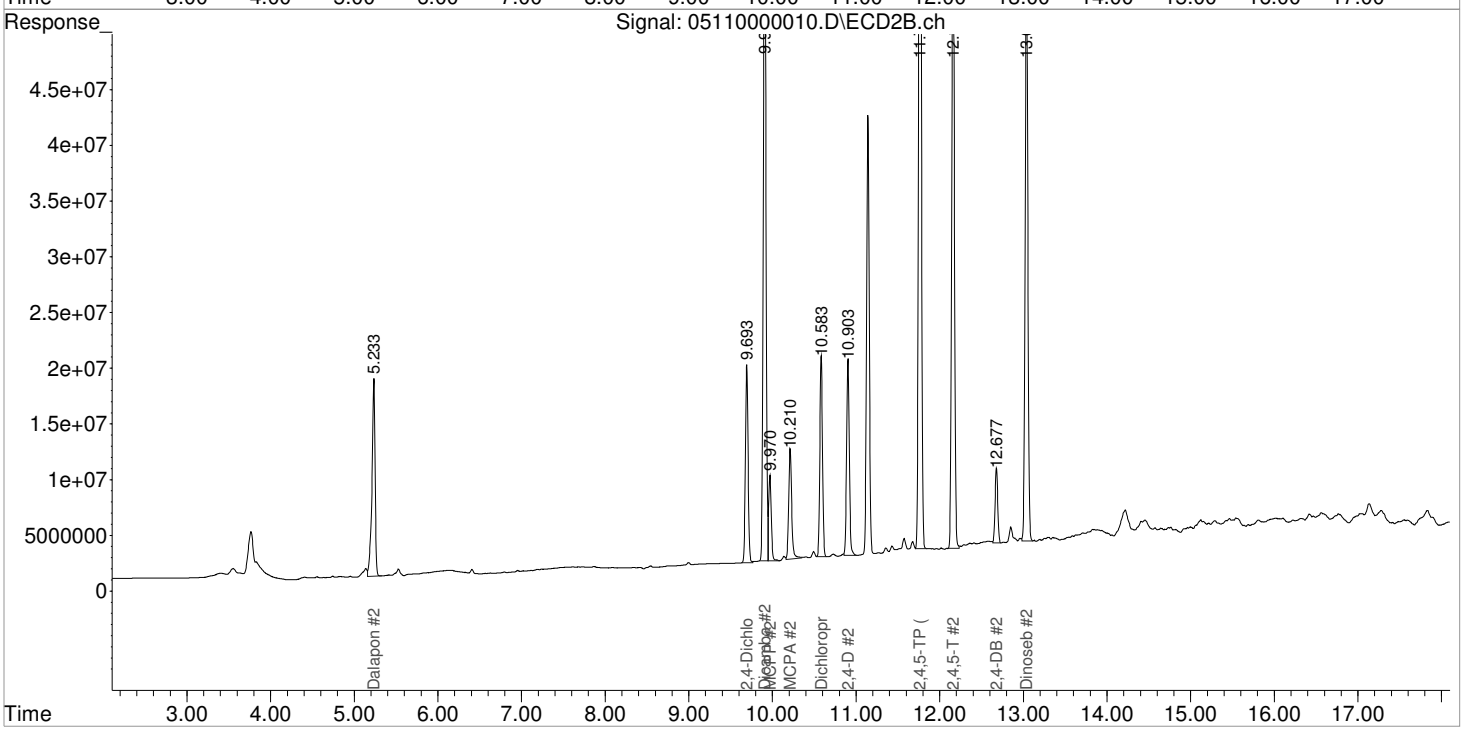
1st JTC 05/12/21
2nd 4w 05/12/21

Data File : J:\GC34\DATA\051121B-HB\05110000010.D Vial: 1
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11-May-2021, 16:16:56 Operator: JTC
Sample : PENTA02-29F 100PPB CCV Inst : GCI
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: May 12 09:46:44 2021
Quant Results File: 050621_8151.RES

Quant Method : J:\GC34\METHODS\050621_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Thu May 06 15:52:39 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 05/12/21
2nd 4w 05/12/21

Validation Report

Data File: J:\GC34\DATA\051121B-HB\05110000017.D\
Lab ID: KQ2108116-05
RunType: CCV
Matrix: Misc. Solid

Date Acquired: 5/11/21 19:05:14
Batch ID: 723122
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: _____

Validation Report

Data File: J:\GC34\DATA\051121B-HB\05110000017.D\
Lab ID: KQ2108116-07
RunType: CCV
Matrix: Water

Date Acquired: 5/11/21 19:05:14
Batch ID: 723122
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 05/12/21
2nd [illegible] 05/12/21

Quantitation Report

Data File:	J:\GC34\DATA\051121B-HB\05110000017.D\	**Instrument:**	K-GC-34
Acqu Date:	5/11/21 19:05:14	**Vial:**	5
Run Type:	CCV	**Dilution:**	1
Lab ID:	KQ2108116-05	**Raw Units:**	ppb

Bottle ID:		**Tier:**	II	**Matrix:**	Misc. Solid
Prod Code:	HERB	**Collect Date:**	4/20/21	**Receive Date:**	4/22/21

Analysis Lot:	723122	**Prep Lot:**		**Report Group:**	KQ2108116
Analysis Method:	8151A	**Prep Method:**			
		Prep Date:			

Title:	Chlorinated Herbicides by GC	**Calibration ID:**	KC2100249
		Report List ID:	18726

Surrogate Compounds

Parameter Name	RT 1	RT 2	Resp 1	Resp 2	Solution Conc 1	Solution Conc 2	% Rec 1	% Rec 2	Rpt?
2,4-Dichlorophenylacetic Acid	10.05	9.69	76606466	41971567	95.969	92.516			Y

Target Compounds

Parameter Name	RT 1	RT 2	Resp 1	Resp 2	Solution Conc 1	Solution Conc 2	Final Conc 1	Final Conc 2	Rpt?
2,4,5-T	12.49	12.16	236947319	132565012	109.743	106.692	110	107	Y
2,4,5-TP (Silvex)	12.20	11.76	325088376	181905625	111.594	108.028	112	108	Y
2,4-D	11.27	10.90	70567063	42083505	105.609	103.968	106	104	Y
2,4-DB	13.06	12.67	26053978	15664229	118.485	118.457	118	118	Y
Dalapon	5.59	5.23	89179109	47689179	87.010	85.787	87.0	85.8	Y
Dicamba	10.29	9.90	256844336	141262525	99.315	96.125	99.3	96.1	Y
Dichlorprop	11.03	10.58	73314008	42184899	103.288	101.813	103	102	Y
Dinoseb	14.29	13.03	203180893	115101758	104.531	100.518	105	101	Y
MCPA	10.60	10.21	48965377	26698685	9887.495	9598.757	9890	9600	Y
MCPP	10.43	9.97	33245376	17894417	10091.495	10395.854	10100	10400	Y

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

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

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

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

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Quantitation Report

Data File:	J:\GC34\DATA\051121B-HB\05110000017.D\	**Instrument:**	K-GC-34
Acqu Date:	5/11/21 19:05:14	**Vial:**	5
Run Type:	CCV	**Dilution:**	1
Lab ID:	KQ2108116-05	**Raw Units:**	ppb

Bottle ID:		**Tier:**	II	**Matrix:**	Misc. Solid
Prod Code:	HERB	**Collect Date:**	4/20/21	**Receive Date:**	4/22/21

Analysis Lot:	723122	**Prep Lot:**		**Report Group:**	KQ2108116
Analysis Method:	8151A	**Prep Method:**			
		Prep Date:			

Title:	Chlorinated Herbicides by GC	**Calibration ID:**	KC2100249
		Report List ID:	19326

Surrogate Compounds

Parameter Name	RT 1	RT 2	Resp 1	Resp 2	Solution Conc 1	Solution Conc 2	% Rec 1	% Rec 2	Rpt?
2,4-Dichlorophenylacetic Acid	10.05	9.69	76606466	41971567	95.969	92.516			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?
MCPA	10.60	10.21	48965377	26698685	9887.495	9598.757	9890	9600	Y
MCPP	10.43	9.97	33245376	17894417	10091.495	10395.854	10100	10400	Y

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

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

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

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

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Quantitation Report

Data File:	J:\GC34\DATA\051121B-HB\05110000017.D\	**Instrument:**	K-GC-34
Acqu Date:	5/11/21 19:05:14	**Vial:**	12
Run Type:	CCV	**Dilution:**	1
Lab ID:	KQ2108116-07	**Raw Units:**	ppb

Bottle ID:		**Tier:**	IV	**Matrix:**	Water
Prod Code:	HERB	**Collect Date:**	5/3/21	**Receive Date:**	5/6/21

Analysis Lot:	723122	**Prep Lot:**		**Report Group:**	KQ2108116
Analysis Method:	8151A	**Prep Method:**			
		Prep Date:			

Title:	Chlorinated Herbicides by GC	**Calibration ID:**	KC2100249
		Report List ID:	18845

Surrogate Compounds

Parameter Name	RT 1	RT 2	Resp 1	Resp 2	Solution Conc 1	Solution Conc 2	% Rec 1	% Rec 2	Rpt?
2,4-Dichlorophenylacetic Acid	10.05	9.69	76606466	41971567	95.969	92.516			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 (Silvex)	12.20	11.76	325088376	181905625	111.594	108.028	112	108	Y
2,4-D	11.27	10.90	70567063	42083505	105.609	103.968	106	104	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: 5/12/21 15:35
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Quantitation Report (QT Reviewed)

1st JTC 05/12/21
2nd 4w 05/12/21

Data File : J:\GC34\DATA\051121B-HB\05110000017.D Vial: 1
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11-May-2021, 19:05:14 Operator: JTC
Sample : PENTA02-29F 100PPB CCV Inst : GCI
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: May 12 09:47:03 2021
Quant Results File: 050621_8151.RES

Quant Method : J:\GC34\METHODS\050621_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Thu May 06 15:52:39 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...	10.050	9.690	76606466	41971567	95.969	92.516
		Target Compounds						
1)	m	Dalapon	5.593	5.233	89179109	47689179	87.010	85.787
3)	m	Dicamba	10.287	9.903	256.8E6	141.3E6	99.315	96.125
4)	m	MCPP	10.433	9.967	33245376	17894417	10091.495	10395.854
5)	m	MCPA	10.597	10.210	48965377	26698685	9887.495	9598.757
6)	m	Dichloroprop	11.027	10.580	73314008	42184899	103.288	101.813
7)	m	2,4-D	11.273	10.900	70567063	42083505	105.609	103.968
8)	m	2,4,5-TP ...	12.197	11.763	325.1E6	181.9E6	111.594	108.028
9)	m	2,4,5-T	12.490	12.157	236.9E6	132.6E6	109.743	106.692
10)	m	2,4-DB	13.057	12.673	26053978	15664229	118.485	118.457
11)	m	Dinoseb	14.293	13.033	203.2E6	115.1E6	104.531	100.518

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

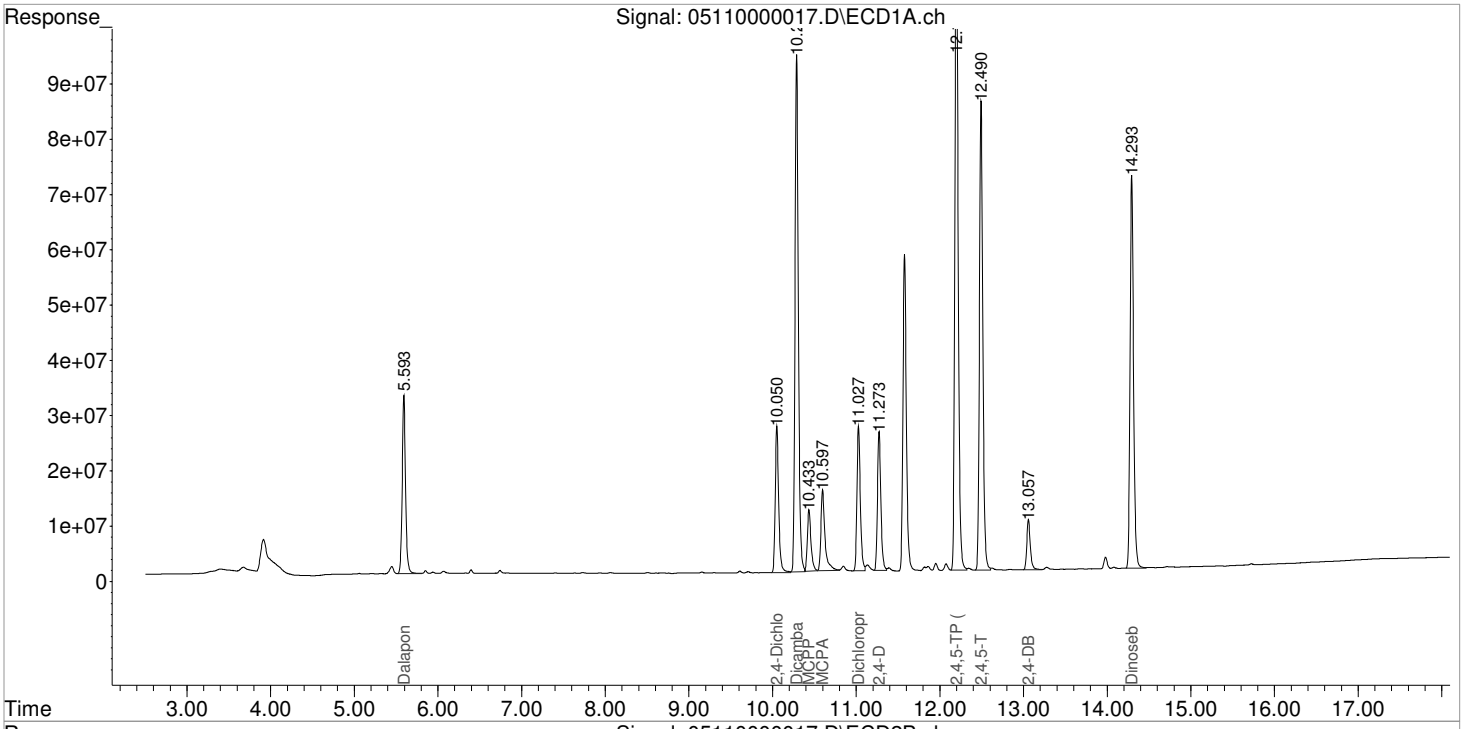
Quantitation Report (QT Reviewed)

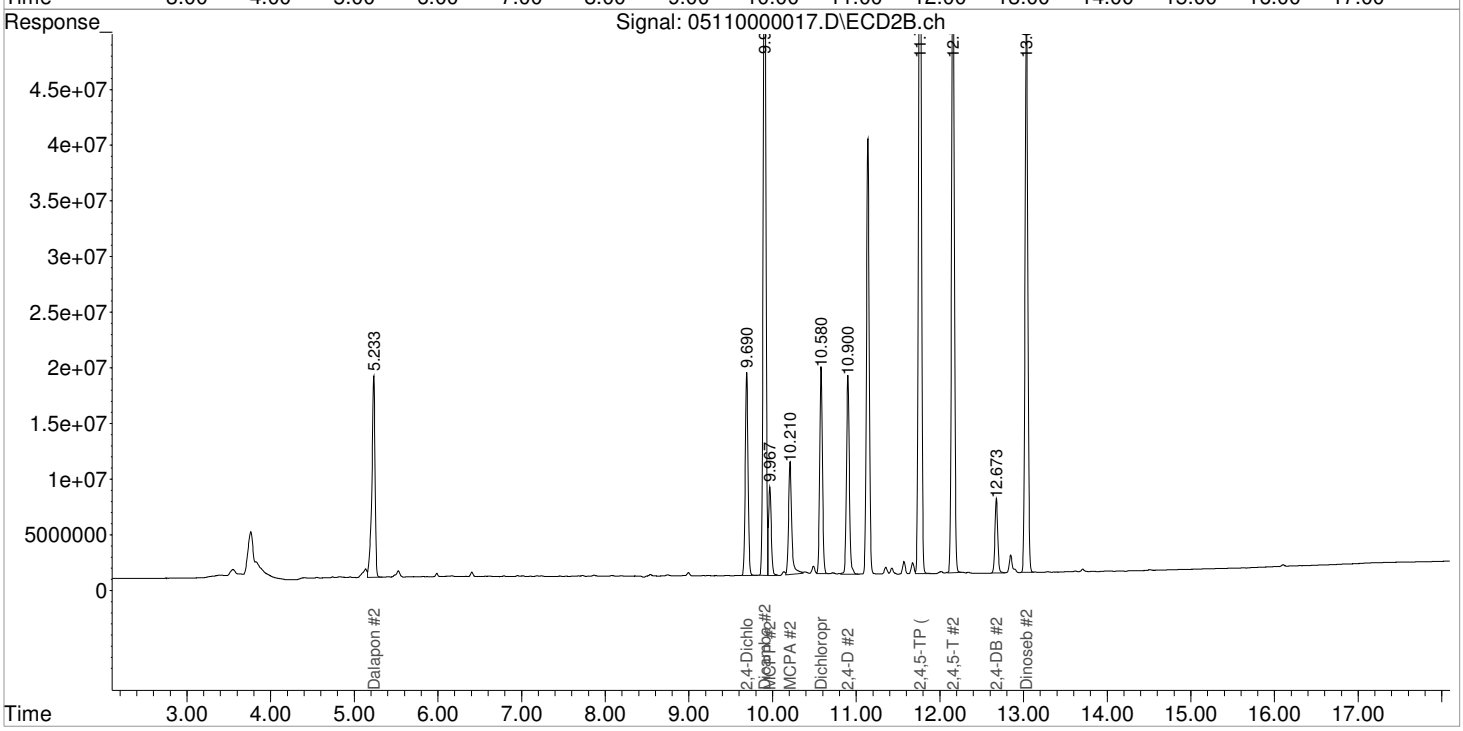
1st JTC 05/12/21
2nd 4w 05/12/21

Data File : J:\GC34\DATA\051121B-HB\05110000017.D Vial: 1
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11-May-2021, 19:05:14 Operator: JTC
Sample : PENTA02-29F 100PPB CCV Inst : GCI
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: May 12 09:47:03 2021
Quant Results File: 050621_8151.RES

Quant Method : J:\GC34\METHODS\050621_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Thu May 06 15:52:39 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





Calibration ID: KC2100249

Sequence Table (Front Injector):

Line	Location	SampleName	Method Name	Num Inj	SampleType
1	Vial 100	HB PRIMER	8151A-17	1	Sample
2	Vial 100	HB PRIMER	8151A-17	1	Sample
3	Vial 1	IB	8151A-17	1	Sample
4	Vial 2	PENTA02-29H 10 PPB	8151A-17	1	Sample
5	Vial 3	PENTA02-29I 25 PPB	8151A-17	1	Sample
6	Vial 4	PENTA02-29J 75 PPB	8151A-17	1	Sample
7	Vial 5	PENTA02-29K 100 PPB	8151A-17	1	Sample
8	Vial 6	PENTA02-29L 125 PPB	8151A-17	1	Sample
9	Vial 7	PENTA02-29M 150 PPB	8151A-17	1	Sample
10	Vial 8	PENTA02-29N 175 PPB	8151A-17	1	Sample
11	Vial 9	PENTA02-30A 200 PPB	8151A-17	1	Sample
12	Vial 10	PENTA02-29G 100 PPB ICV	8151A-17	1	Sample
13	Vial 1	IB	8151A-17	1	Sample

Quantitation Report (QT Reviewed)

1st JTC 05/06/21
2nd 4w 05/06/21

Data File : J:\GC34\DATA\050621-HB\05060000003.D Vial: 1
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06-May-2021, 11:08:09 Operator: JTC
Sample : IB Inst : GCI
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: May 06 15:53:00 2021
Quant Results File: 050621_8151.RES

Quant Method : J:\GC34\METHODS\050621_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Thu May 06 15:52:39 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.	N.D.	
		Target Compounds							
1)	m	Dalapon	5.650f	5.177f	278218	95141	0.271	0.171	#
3)	m	Dicamba	0.000	0.000	0	0	N.D.	N.D.	
4)	m	MCPP	0.000	0.000	0	0	N.D.	N.D.	
5)	m	MCPA	0.000	0.000	0	0	N.D.	N.D.	
6)	m	Dichloroprop	0.000	10.600	0	1502414	N.D.	0.973	#
7)	m	2,4-D	0.000	0.000	0	0	N.D.	N.D.	
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.

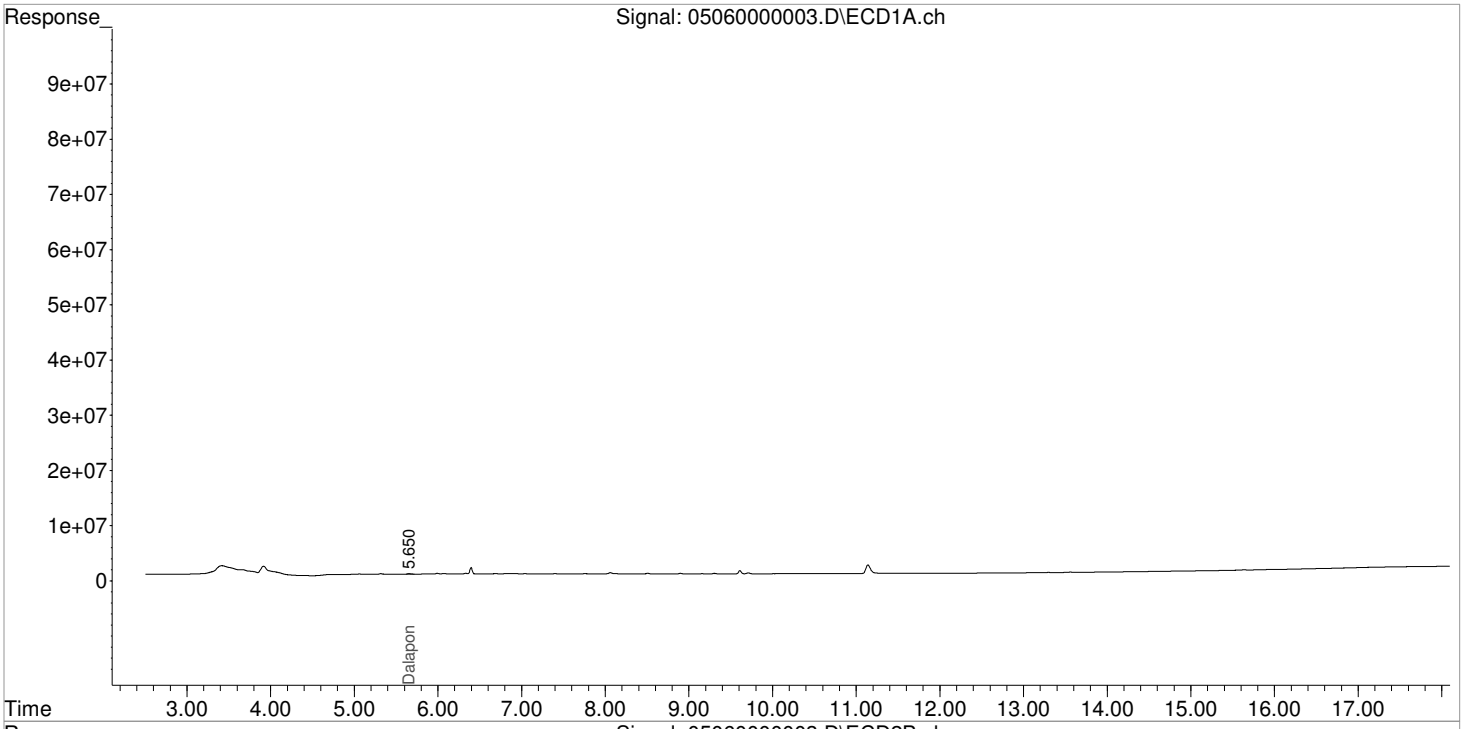
Quantitation Report (QT Reviewed)

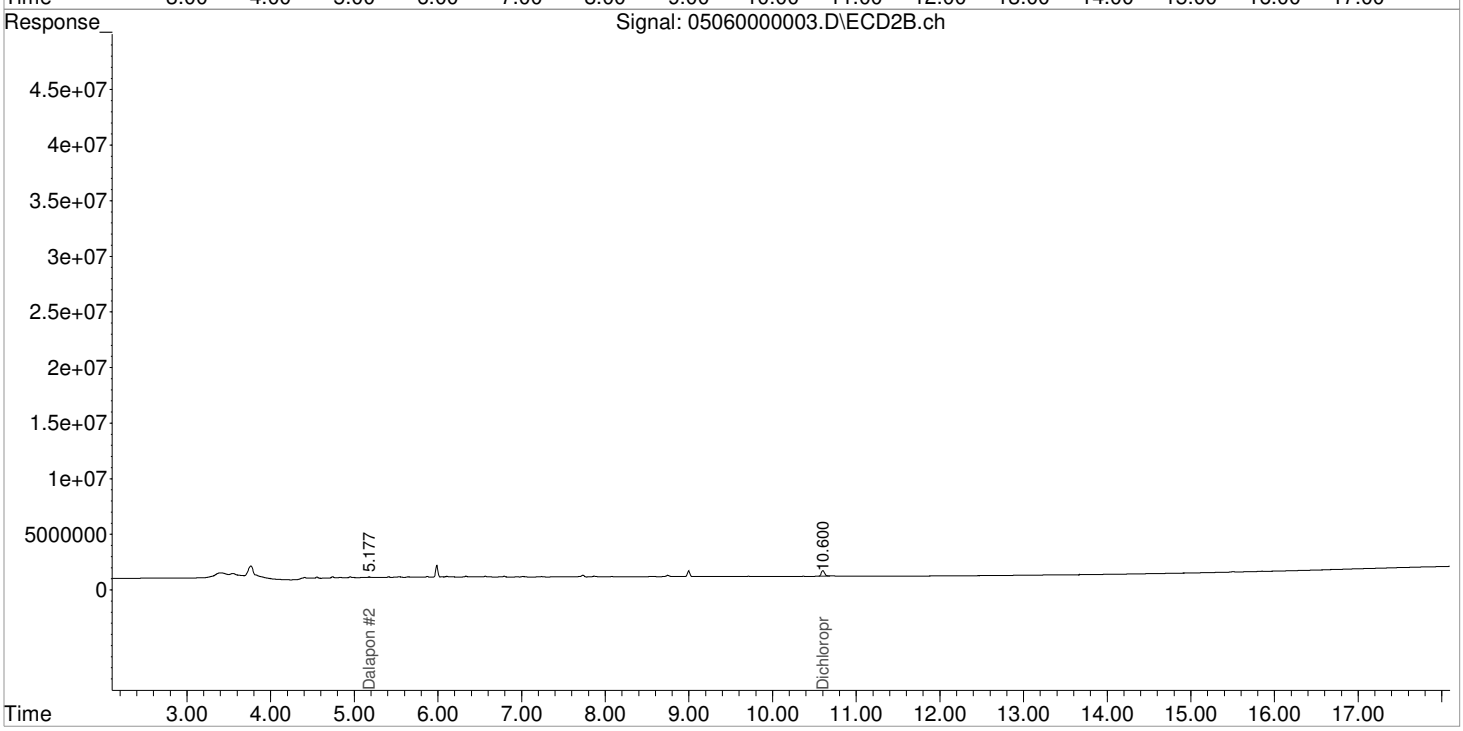
1st JTC 05/06/21
2nd 4w 05/06/21

Data File : J:\GC34\DATA\050621-HB\05060000003.D Vial: 1
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06-May-2021, 11:08:09 Operator: JTC
Sample : IB Inst : GCI
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: May 06 15:53:00 2021
Quant Results File: 050621_8151.RES

Quant Method : J:\GC34\METHODS\050621_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Thu May 06 15:52:39 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 (QT Reviewed)

1st JTC 05/06/21
2nd 4w 05/06/21

Data File : J:\GC34\DATA\050621-HB\05060000004.D Vial: 2
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06-May-2021, 11:32:20 Operator: JTC
Sample : PENTA02-29H 10 PPB Inst : GCI
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: May 06 13:18:25 2021
Quant Results File: 050621_8151.RES

Quant Method : J:\GC34\METHODS\050621_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Thu May 06 13:18:05 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...	10.053	9.697	7346212	4609674	9.104	10.869	
		Target Compounds							
1)	m	Dalapon	5.597	5.237	10092232	5965081	10.523	11.756	
3)	m	Dicamba	10.290	9.910	21119770	13316308	8.225	9.811	
4)	m	MCPP	10.437	9.973	4802139	2315537	680.332	900.307	#
5)	m	MCPA	10.603	10.213	7821465	4008211	844.876	765.726	
6)	m	Dichloroprop	11.030	10.587	6781972	5431372	9.388	10.005	
7)	m	2,4-D	11.277	10.907	5557251	3692787	7.756	9.461	
8)	m	2,4,5-TP ...	12.200	11.767	22470601	14335364	7.326	9.049	
9)	m	2,4,5-T	12.497	12.163	14959153	9702270	5.979	7.681	#
10)	m	2,4-DB	13.063	12.683	1812178	1128367	5.391	6.571	
11)	m	Dinoseb	14.297	13.040	18023759	11604338	8.893	10.826	

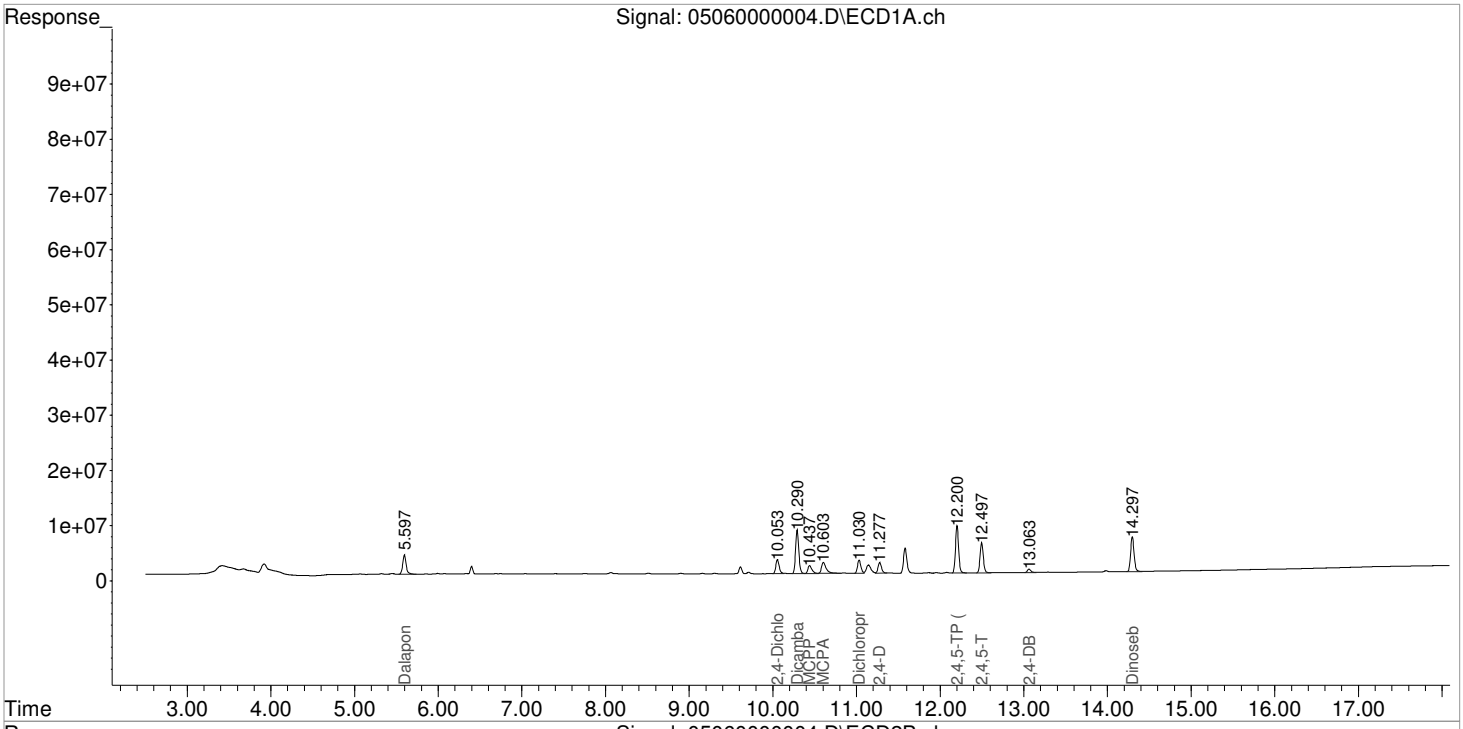
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

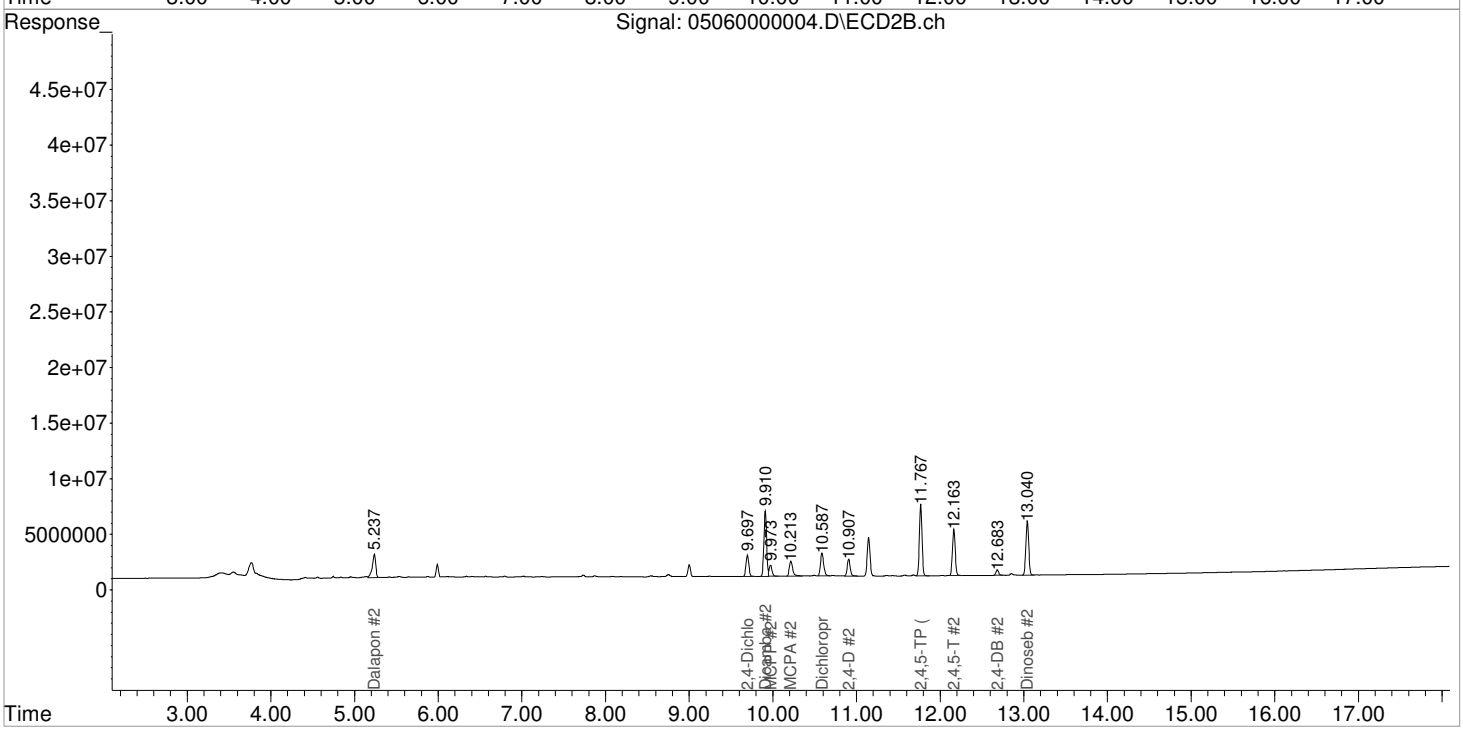
1st JTC 05/06/21
2nd 4w 05/06/21

Data File : J:\GC34\DATA\050621-HB\05060000004.D Vial: 2
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06-May-2021, 11:32:20 Operator: JTC
Sample : PENTA02-29H 10 PPB Inst : GCI
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: May 06 13:18:25 2021
Quant Results File: 050621_8151.RES

Quant Method : J:\GC34\METHODS\050621_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Thu May 06 13:18:05 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 (QT Reviewed)

1st JTC 05/06/21
2nd 4w 05/06/21

Data File : J:\GC34\DATA\050621-HB\05060000005.D Vial: 3
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06-May-2021, 11:56:24 Operator: JTC
Sample : PENTA02-29I 25 PPB Inst : GCI
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: May 06 13:18:27 2021
Quant Results File: 050621_8151.RES

Quant Method : J:\GC34\METHODS\050621_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Tue Apr 13 16:53:24 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...	10.047	9.690	19017345	11264046	23.568	26.559
		Target Compounds						
1)	m	Dalapon	5.590	5.230	25290160	14284873	26.370	28.152
3)	m	Dicamba	10.283	9.903	59600720	35157935	23.213	25.903
4)	m	MCPP	10.433	9.967	10110364	5245236	2442.005	2810.819
5)	m	MCPA	10.597	10.210	16042531	8740132	2396.774	2746.297
6)	m	Dichloroprop	11.027	10.580	17283481	11337536	23.925	25.877
7)	m	2,4-D	11.270	10.900	14756495	9741772	20.595	24.958
8)	m	2,4,5-TP ...	12.197	11.763	66389729	39784898	21.646	25.114
9)	m	2,4,5-T	12.490	12.157	46310217	27795095	18.509	22.005
10)	m	2,4-DB	13.057	12.677	5018867	3091651	14.930	18.004
11)	m	Dinoseb	14.290	13.037	47205668	28921236	23.292	26.982

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

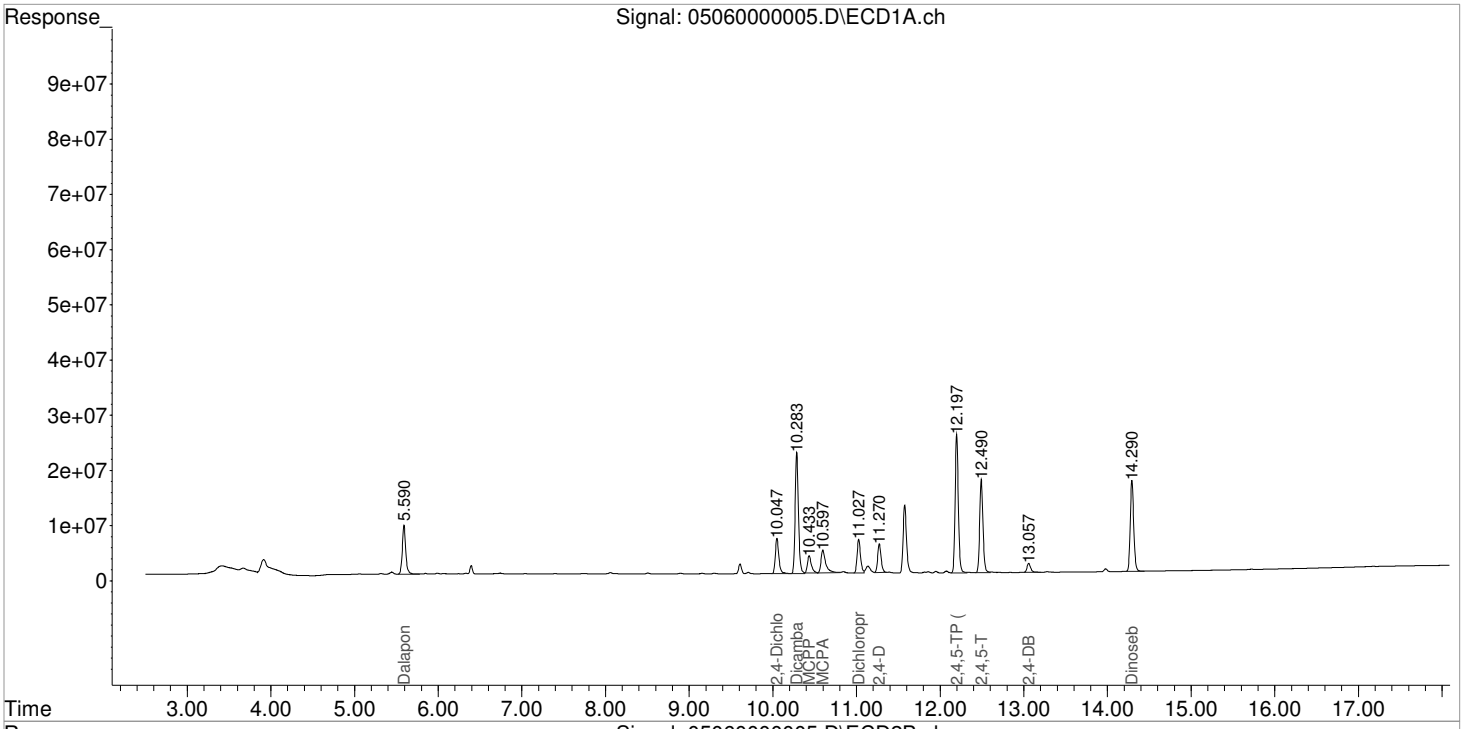
Quantitation Report (QT Reviewed)

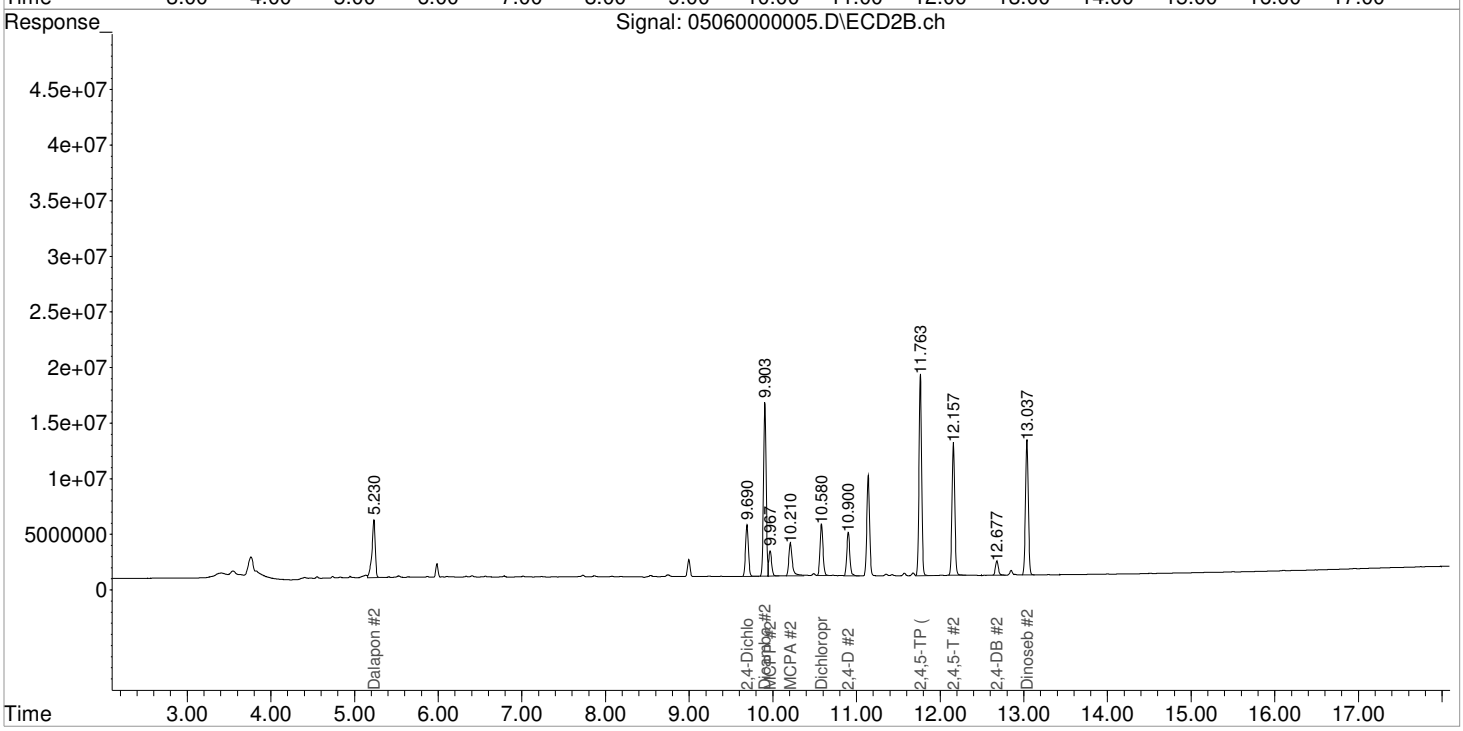
1st JTC 05/06/21
2nd 4w 05/06/21

Data File : J:\GC34\DATA\050621-HB\05060000005.D Vial: 3
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06-May-2021, 11:56:24 Operator: JTC
Sample : PENTA02-29I 25 PPB Inst : GCI
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: May 06 13:18:27 2021
Quant Results File: 050621_8151.RES

Quant Method : J:\GC34\METHODS\050621_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Tue Apr 13 16:53:24 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 (QT Reviewed)

1st JTC 05/06/21
2nd 4w 05/06/21

Data File : J:\GC34\DATA\050621-HB\05060000006.D Vial: 4
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06-May-2021, 12:20:23 Operator: JTC
Sample : PENTA02-29J 75 PPB Inst : GCI
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: May 06 13:18:31 2021
Quant Results File: 050621_8151.RES

Quant Method : J:\GC34\METHODS\050621_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Tue Apr 13 16:53:24 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...	10.047	9.690	51766264	29199264	64.154	68.847
		Target Compounds						
1)	m	Dalapon	5.590	5.230	67713602	36567575	70.606	72.067
3)	m	Dicamba	10.283	9.903	177.5E6	99633861	69.136	73.407
4)	m	MCPP	10.433	9.967	23705007	12689996	6953.744	7665.689
5)	m	MCPA	10.597	10.210	36024433	20117838	6364.316	7508.497
6)	m	Dichloroprop	11.027	10.580	48762263	28630160	67.501	72.347
7)	m	2,4-D	11.270	10.900	45466152	27028500	63.456	69.246
8)	m	2,4,5-TP ...	12.197	11.763	200.7E6	115.3E6	65.450	72.776
9)	m	2,4,5-T	12.490	12.157	146.8E6	83779943	58.657	66.327
10)	m	2,4-DB	13.057	12.677	14711944	8920297	43.765	51.946
11)	m	Dinoseb	14.290	13.037	131.6E6	77023868	64.947	71.858

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

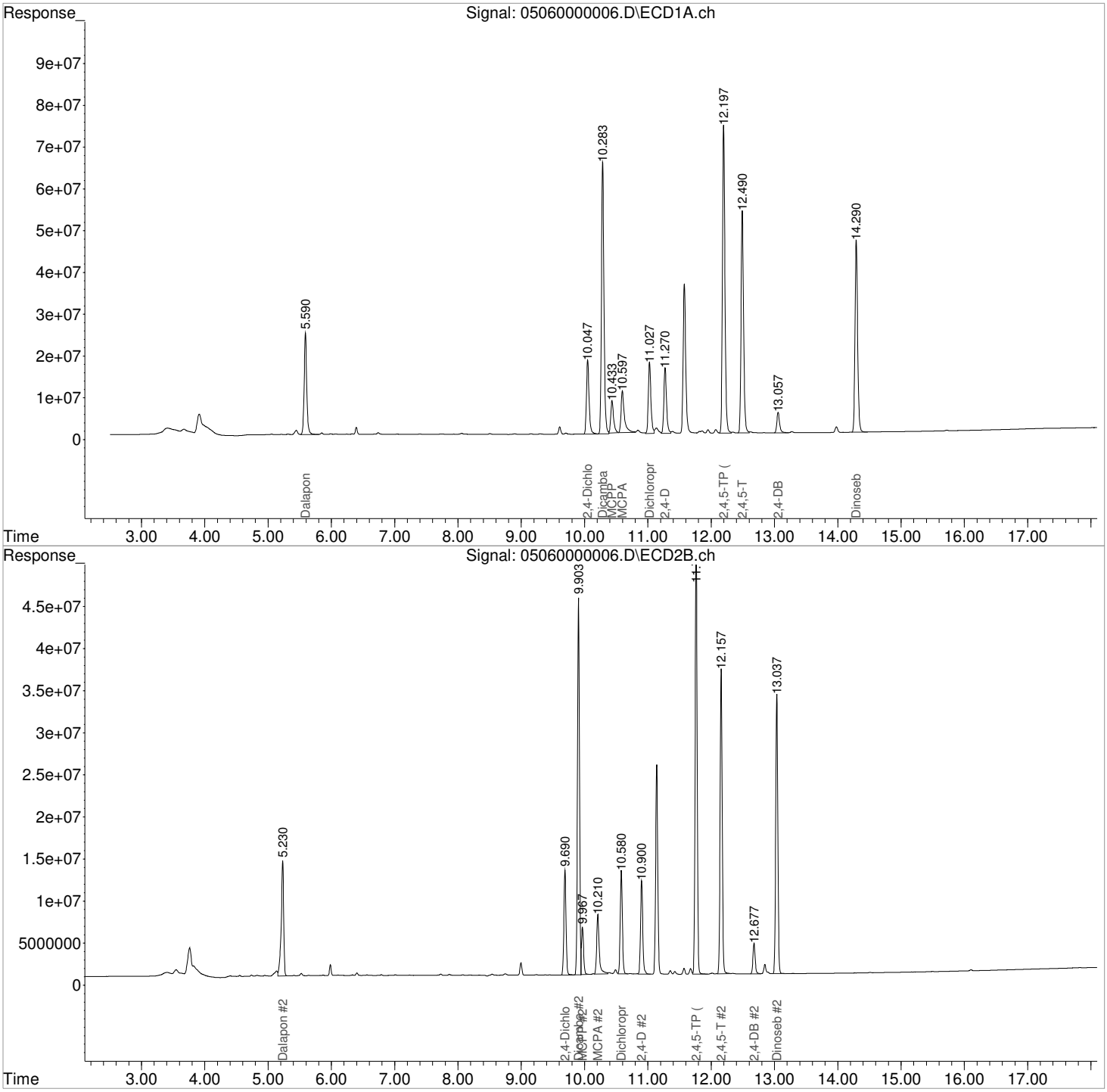
Quantitation Report (QT Reviewed)

1st JTC 05/06/21
2nd 4w 05/06/21

Data File : J:\GC34\DATA\050621-HB\05060000006.D Vial: 4
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06-May-2021, 12:20:23 Operator: JTC
Sample : PENTA02-29J 75 PPB Inst : GCI
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: May 06 13:18:31 2021
Quant Results File: 050621_8151.RES

Quant Method : J:\GC34\METHODS\050621_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Tue Apr 13 16:53:24 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 (QT Reviewed)

1st JTC 05/06/21
2nd 4w 05/06/21

Data File : J:\GC34\DATA\050621-HB\05060000007.D Vial: 5
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06-May-2021, 12:44:18 Operator: JTC
Sample : PENTA02-29K 100 PPB Inst : GCI
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: May 06 13:18:33 2021
Quant Results File: 050621_8151.RES

Quant Method : J:\GC34\METHODS\050621_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Tue Apr 13 16:53:24 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...	10.050	9.690	70349854	39203228	87.185	92.435
		Target Compounds						
1)	m	Dalapon	5.590	5.230	91568936	48876216	95.480	96.324
3)	m	Dicamba	10.287	9.903	243.6E6	136.5E6	94.862	100.558
4)	m	MCPP	10.433	9.967	31164571	16131014	9429.396	9909.643
5)	m	MCPA	10.597	10.210	46563042	26146775	8585.974	10031.940
6)	m	Dichloroprop	11.027	10.580	64941458	38455734	89.898	98.751
7)	m	2,4-D	11.270	10.900	61027344	37001862	85.174	94.798
8)	m	2,4,5-TP ...	12.197	11.763	278.6E6	158.6E6	90.829	100.130
9)	m	2,4,5-T	12.490	12.157	206.0E6	117.0E6	82.320	92.605
10)	m	2,4-DB	13.057	12.677	20258187	12246002	60.264	71.312
11)	m	Dinoseb	14.293	13.037	180.1E6	104.3E6	88.869	97.264

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

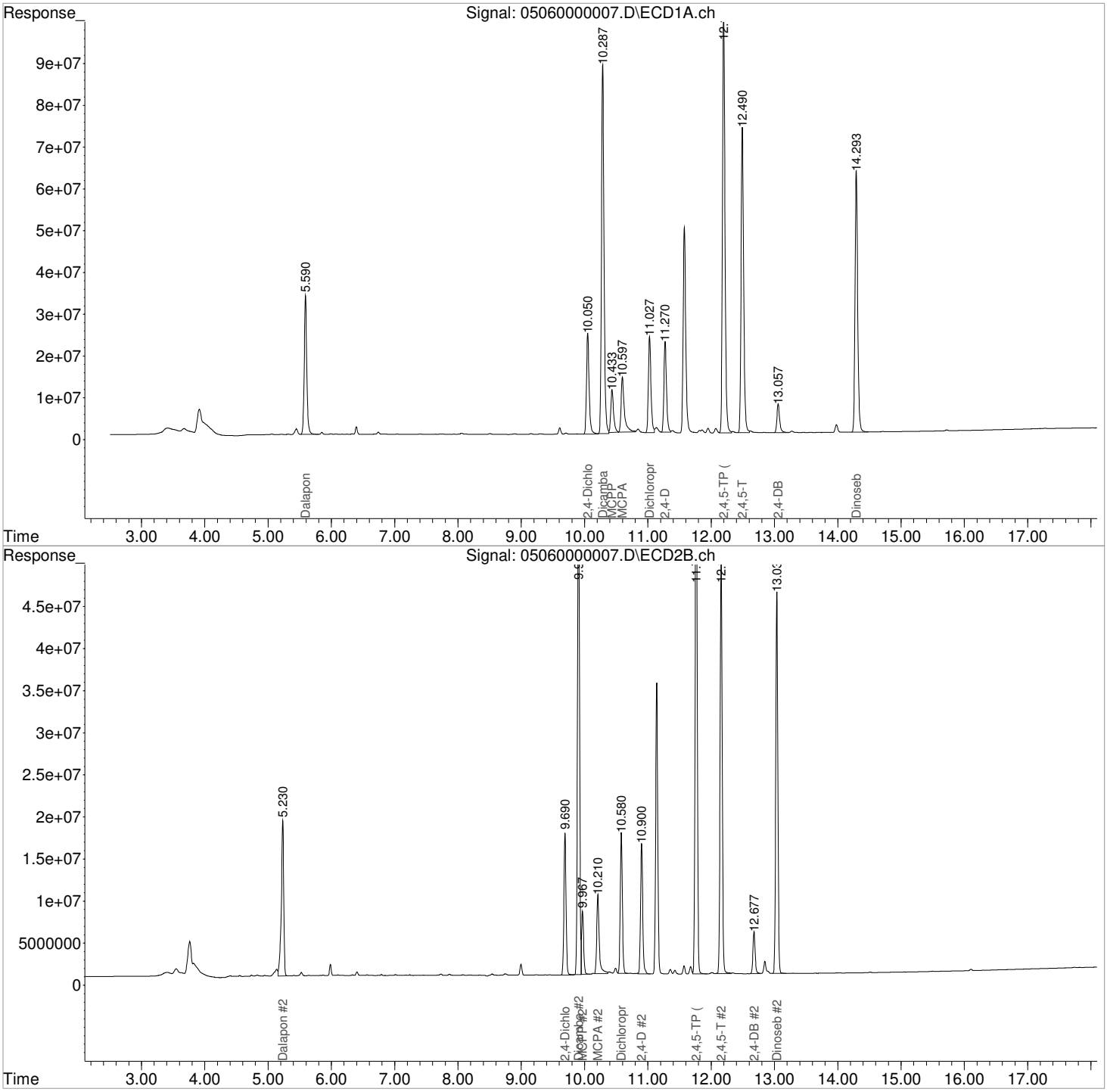
Quantitation Report (QT Reviewed)

1st JTC 05/06/21
2nd 4w 05/06/21

Data File : J:\GC34\DATA\050621-HB\05060000007.D Vial: 5
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06-May-2021, 12:44:18 Operator: JTC
Sample : PENTA02-29K 100 PPB Inst : GCI
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: May 06 13:18:33 2021
Quant Results File: 050621_8151.RES

Quant Method : J:\GC34\METHODS\050621_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Tue Apr 13 16:53:24 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 (QT Reviewed)

1st JTC 05/06/21
2nd 4w 05/06/21

Data File : J:\GC34\DATA\050621-HB\05060000008.D Vial: 6
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06-May-2021, 13:08:11 Operator: JTC
Sample : PENTA02-29L 125 PPB Inst : GCI
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: May 06 15:32:33 2021
Quant Results File: 050621_8151.RES

Quant Method : J:\GC34\METHODS\050621_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Tue Apr 13 16:53:24 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...	10.050	9.690	88784421	49264861	110.031	116.158
		Target Compounds						
1)	m	Dalapon	5.590	5.233	113.4E6	59894914	118.197	118.040
3)	m	Dicamba	10.287	9.903	311.6E6	173.6E6	121.343	127.927
4)	m	MCPP	10.433	9.967	38269446	20201531	11787.335	12564.104
5)	m	MCPA	10.597	10.210	57297558	32103973	10957.559	12525.357
6)	m	Dichloroprop	11.027	10.580	82512251	48261533	114.221	125.102
7)	m	2,4-D	11.273	10.903	81250421	47279514	113.399	121.129
8)	m	2,4,5-TP ...	12.197	11.763	358.2E6	203.0E6	116.779	128.168
9)	m	2,4,5-T	12.490	12.157	268.9E6	151.7E6	107.482	120.084
10)	m	2,4-DB	13.057	12.677	26494780	15886130	78.816	92.510
11)	m	Dinoseb	14.290	13.037	229.2E6	132.0E6	113.095	123.108

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

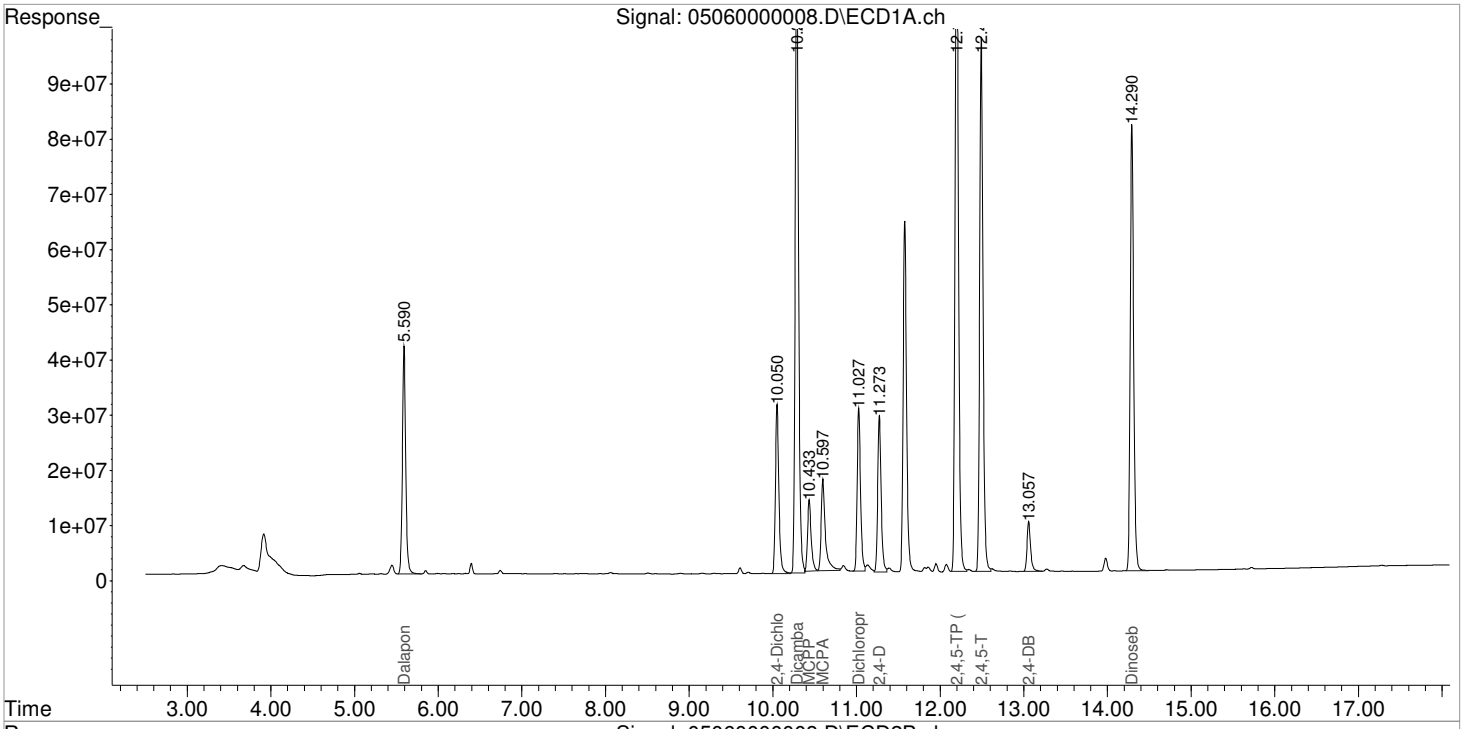
Quantitation Report (QT Reviewed)

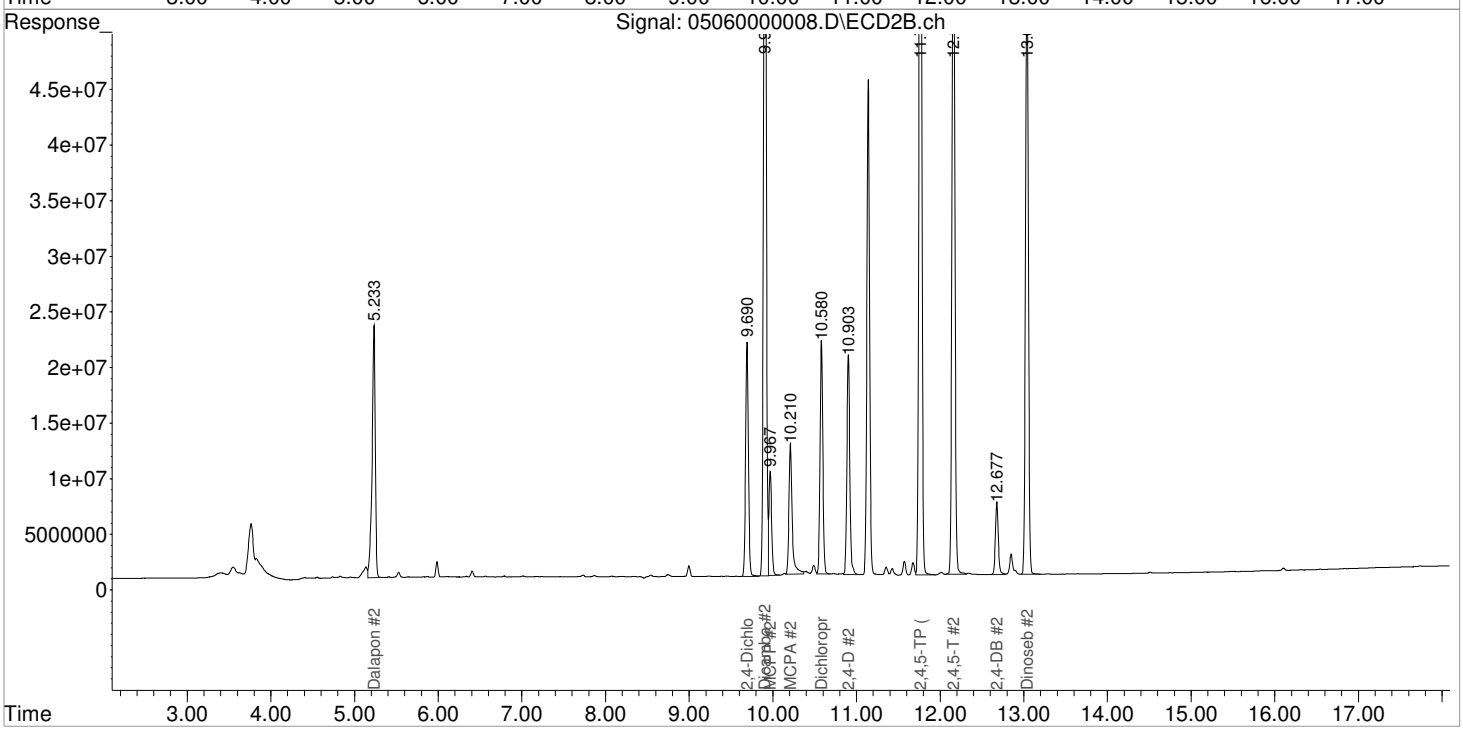
1st JTC 05/06/21
2nd 4w 05/06/21

Data File : J:\GC34\DATA\050621-HB\05060000008.D Vial: 6
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06-May-2021, 13:08:11 Operator: JTC
Sample : PENTA02-29L 125 PPB Inst : GCI
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: May 06 15:32:33 2021
Quant Results File: 050621_8151.RES

Quant Method : J:\GC34\METHODS\050621_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Tue Apr 13 16:53:24 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 (QT Reviewed)

1st JTC 05/06/21
2nd 4w 05/06/21

Data File : J:\GC34\DATA\050621-HB\05060000009.D Vial: 7
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06-May-2021, 13:32:07 Operator: JTC
Sample : PENTA02-29M 150 PPB Inst : GCI
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: May 06 15:32:36 2021
Quant Results File: 050621_8151.RES

Quant Method : J:\GC34\METHODS\050621_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Tue Apr 13 16:53:24 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...	10.050	9.690	107.2E6	59361041	132.852	139.964
		Target Compounds						
1)	m	Dalapon	5.590	5.233	136.3E6	71696219	142.103	141.298
3)	m	Dicamba	10.287	9.907	379.8E6	210.9E6	147.908	155.363
4)	m	MCPP	10.433	9.967	45103329	23931941	14055.338	14996.776
5)	m	MCPA	10.597	10.210	67173083	38091222	13251.191	15031.352
6)	m	Dichloroprop	11.027	10.580	100.5E6	58321947	139.134	152.137
7)	m	2,4-D	11.270	10.900	99445417	58352940	138.793	149.499
8)	m	2,4,5-TP ...	12.197	11.763	440.2E6	250.0E6	143.528	157.803
9)	m	2,4,5-T	12.490	12.157	336.3E6	188.6E6	134.426	149.289
10)	m	2,4-DB	13.057	12.677	32434775	19240547	96.486	112.043
11)	m	Dinoseb	14.290	13.037	278.0E6	160.5E6	137.158	149.713

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

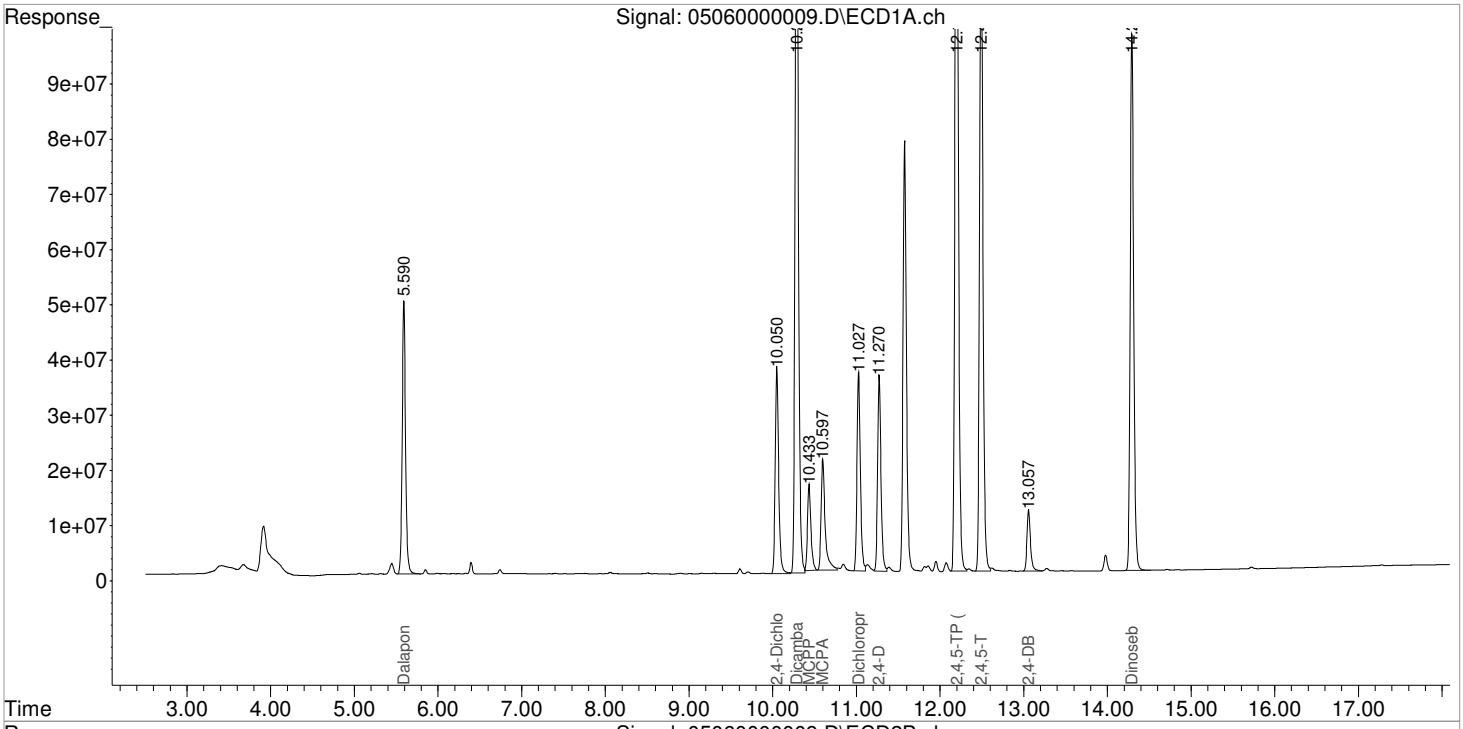
Quantitation Report (QT Reviewed)

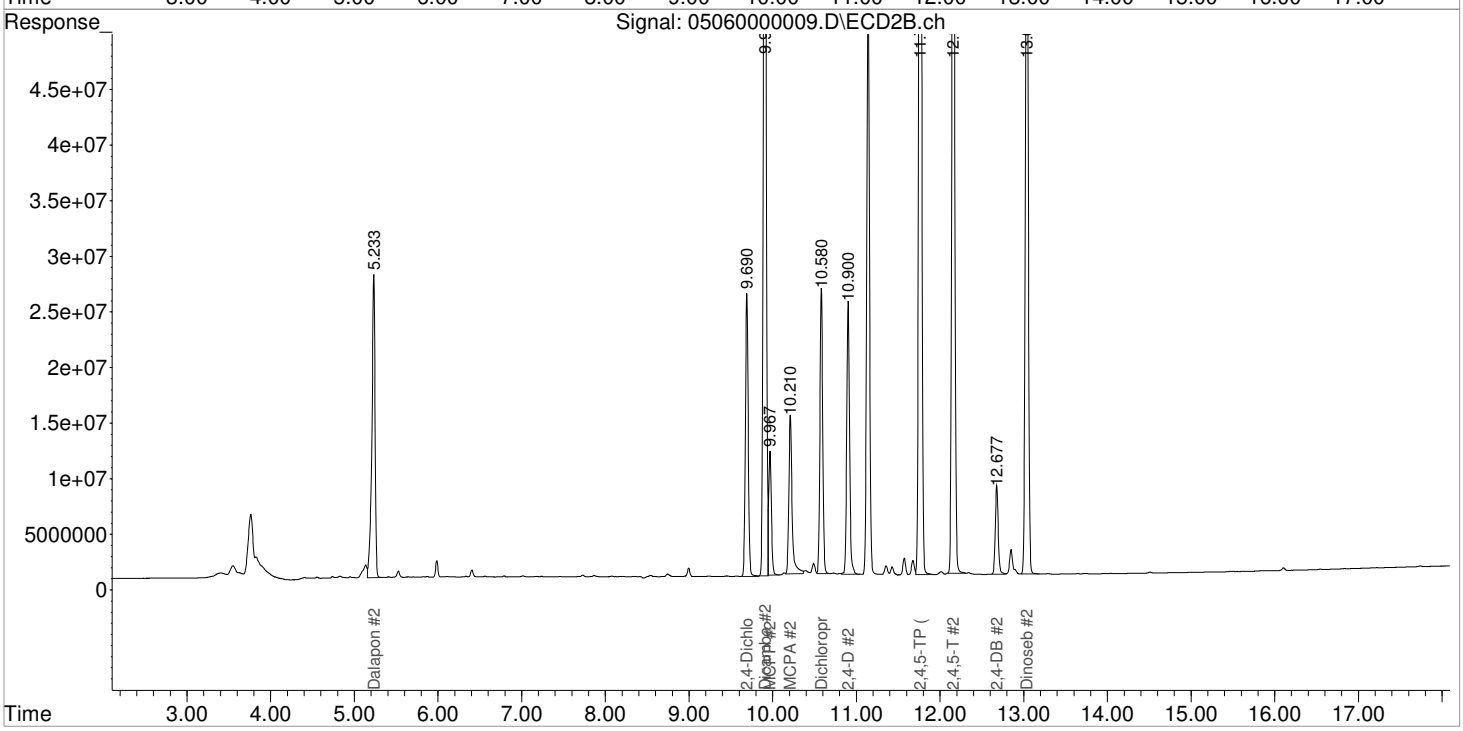
1st JTC 05/06/21
2nd 4w 05/06/21

Data File : J:\GC34\DATA\050621-HB\05060000009.D Vial: 7
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06-May-2021, 13:32:07 Operator: JTC
Sample : PENTA02-29M 150 PPB Inst : GCI
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: May 06 15:32:36 2021
Quant Results File: 050621_8151.RES

Quant Method : J:\GC34\METHODS\050621_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Tue Apr 13 16:53:24 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 (QT Reviewed)

1st JTC 05/06/21
2nd 4w 05/06/21

Data File : J:\GC34\DATA\050621-HB\05060000010.D Vial: 8
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06-May-2021, 13:56:04 Operator: JTC
Sample : PENTA02-29N 175 PPB Inst : GCI
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: May 06 15:32:38 2021
Quant Results File: 050621_8151.RES

Quant Method : J:\GC34\METHODS\050621_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Tue Apr 13 16:53:24 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...	10.050	9.690	126.6E6	69179269	156.894	163.113
		Target Compounds						
1)	m	Dalapon	5.593	5.233	158.9E6	83291421	165.701	164.149
3)	m	Dicamba	10.287	9.903	448.0E6	246.9E6	174.498	181.942
4)	m	MCPP	10.433	9.967	53273196	27578560	16766.723	17374.806
5)	m	MCPA	10.597	10.210	78494479	43919168	16036.005	17470.670
6)	m	Dichloroprop	11.027	10.580	118.7E6	68129640	164.340	178.493
7)	m	2,4-D	11.270	10.900	116.9E6	68890938	163.089	176.497
8)	m	2,4,5-TP ...	12.197	11.763	523.0E6	294.3E6	170.532	185.765
9)	m	2,4,5-T	12.490	12.157	402.5E6	225.4E6	160.862	178.457
10)	m	2,4-DB	13.057	12.677	39541350	23317133	117.627	135.783
11)	m	Dinoseb	14.290	13.037	329.1E6	187.6E6	162.382	175.006

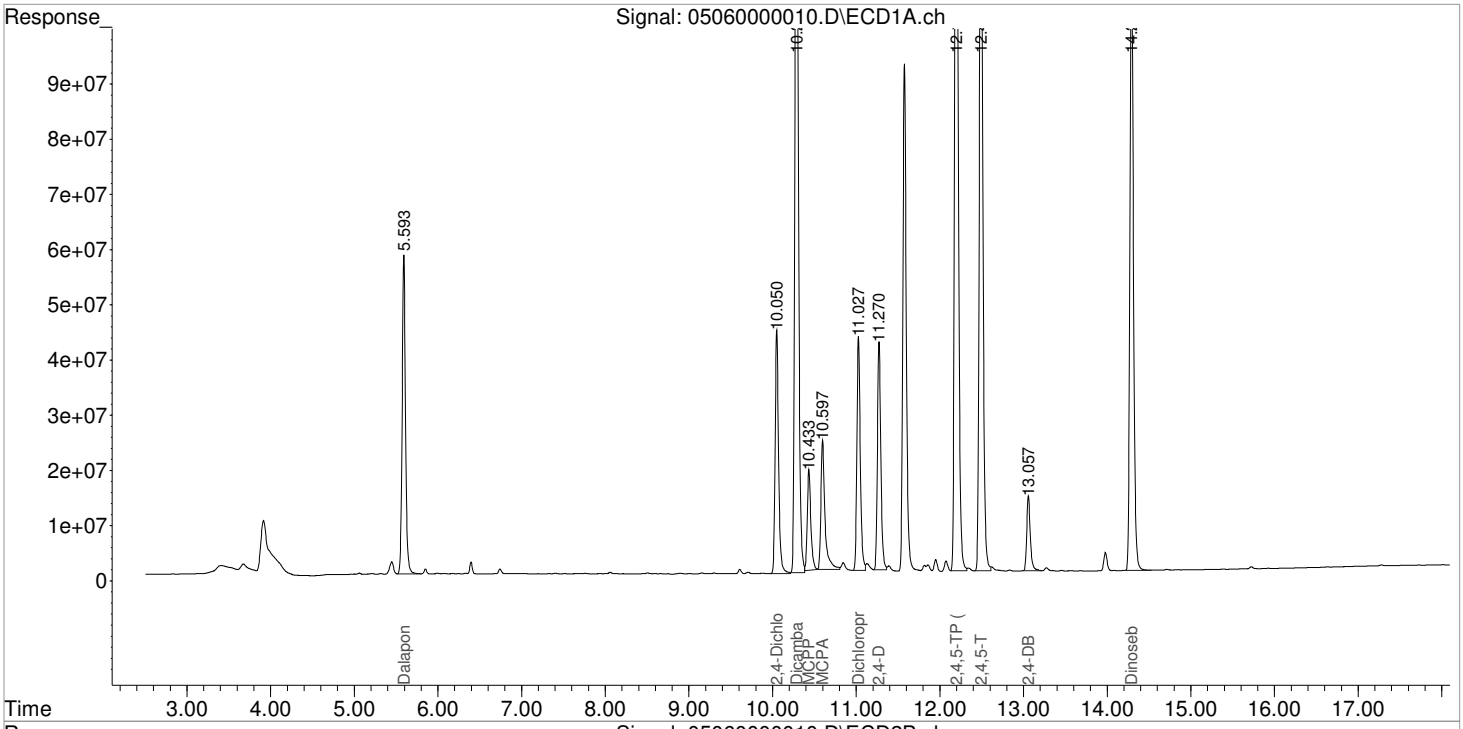
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

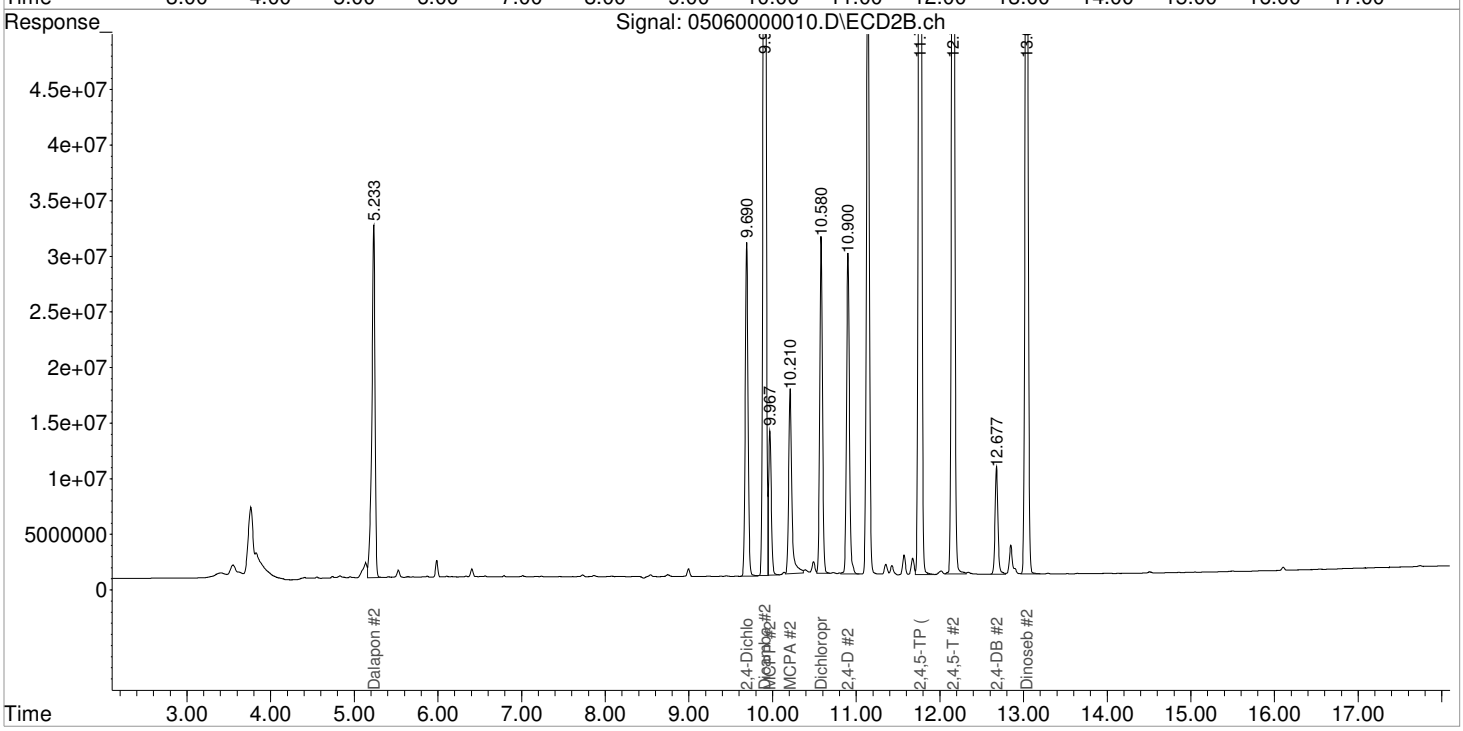
1st JTC 05/06/21
2nd 4w 05/06/21

Data File : J:\GC34\DATA\050621-HB\05060000010.D Vial: 8
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06-May-2021, 13:56:04 Operator: JTC
Sample : PENTA02-29N 175 PPB Inst : GCI
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: May 06 15:32:38 2021
Quant Results File: 050621_8151.RES

Quant Method : J:\GC34\METHODS\050621_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Tue Apr 13 16:53:24 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 (QT Reviewed)

1st JTC 05/06/21
2nd 4w 05/06/21

Data File : J:\GC34\DATA\050621-HB\05060000011.D Vial: 9
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06-May-2021, 14:20:04 Operator: JTC
Sample : PENTA02-30A 200 PPB Inst : GCI
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: May 06 15:32:42 2021
Quant Results File: 050621_8151.RES

Quant Method : J:\GC34\METHODS\050621_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Tue Apr 13 16:53:24 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...	10.047	9.690	144.4E6	79019704	178.907	186.316
		Target Compounds						
1)	m	Dalapon	5.590	5.230	181.0E6	94611511	188.704	186.459
3)	m	Dicamba	10.283	9.903	513.9E6	283.3E6	200.136	208.723
4)	m	MCPP	10.433	9.967	59509089	31138556	18836.268	19696.347
5)	m	MCPA	10.597	10.210	88046242	49602394	18539.580	19849.415
6)	m	Dichloroprop	11.027	10.580	136.3E6	77744014	188.683	204.329
7)	m	2,4-D	11.270	10.900	136.6E6	78866131	190.593	202.053
8)	m	2,4,5-TP ...	12.197	11.760	600.2E6	337.1E6	195.694	212.766
9)	m	2,4,5-T	12.490	12.157	463.1E6	259.1E6	185.105	205.102
10)	m	2,4-DB	13.057	12.677	46127499	27013556	137.219	157.308
11)	m	Dinoseb	14.290	13.037	375.8E6	214.4E6	185.434	199.988

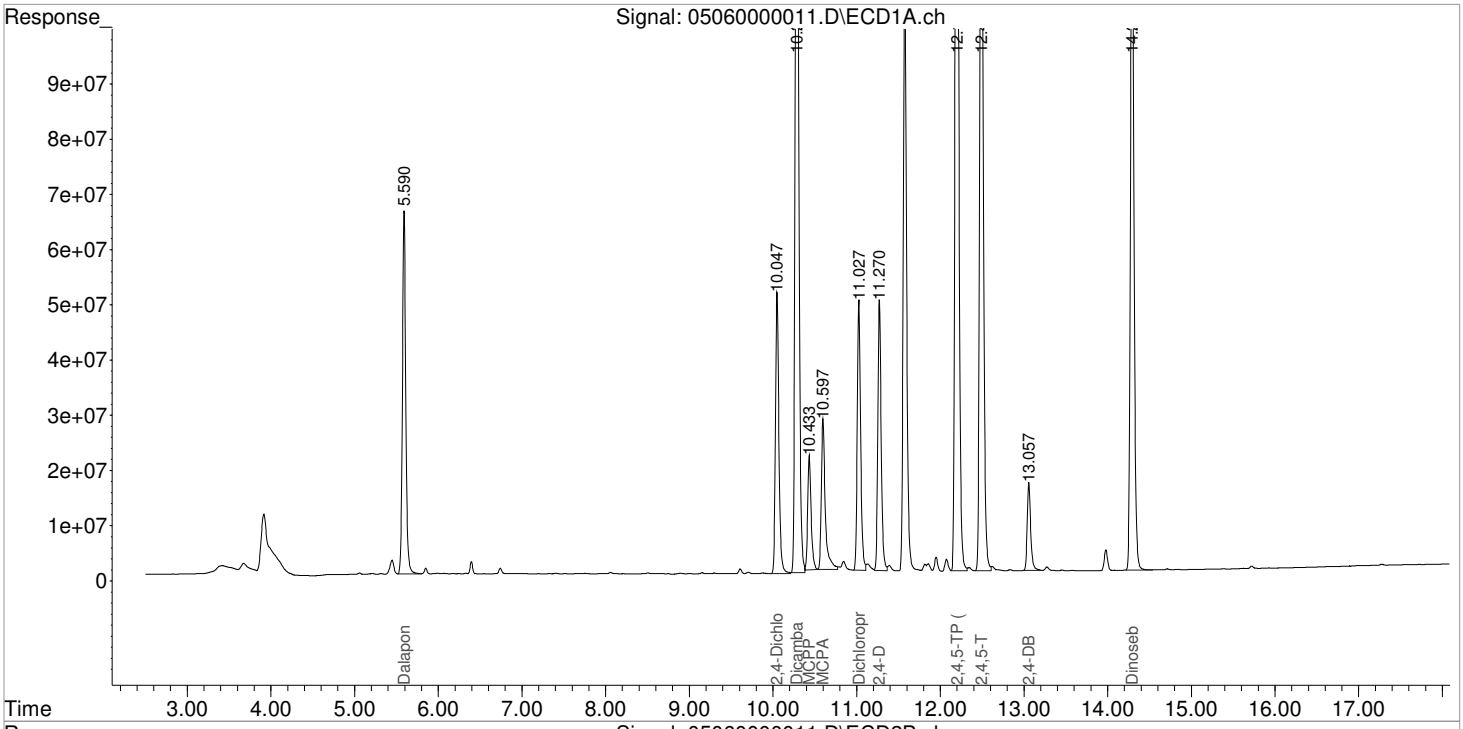
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

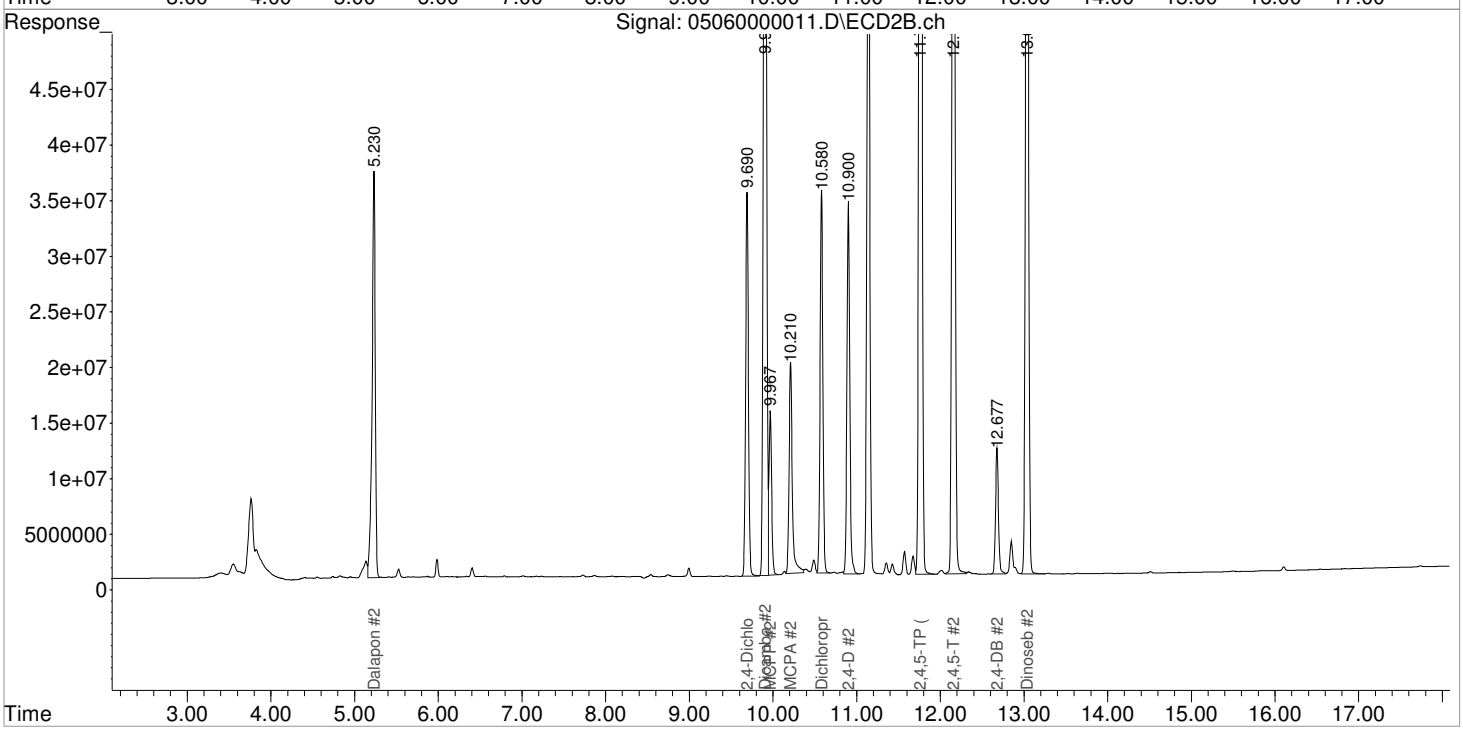
1st JTC 05/06/21
2nd 4w 05/06/21

Data File : J:\GC34\DATA\050621-HB\05060000011.D Vial: 9
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06-May-2021, 14:20:04 Operator: JTC
Sample : PENTA02-30A 200 PPB Inst : GCI
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: May 06 15:32:42 2021
Quant Results File: 050621_8151.RES

Quant Method : J:\GC34\METHODS\050621_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Tue Apr 13 16:53:24 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 (QT Reviewed)

1st JTC 05/06/21
2nd 4w 05/06/21

Data File : J:\GC34\DATA\050621-HB\05060000012.D Vial: 10
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06-May-2021, 14:43:57 Operator: JTC
Sample : PENTA02-29G 100 PPB ICV Inst : GCI
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: May 06 15:53:18 2021
Quant Results File: 050621_8151.RES

Quant Method : J:\GC34\METHODS\050621_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Thu May 06 15:52:39 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	5.590	5.230	92191894	48519119	89.950	87.280
3)	m	Dicamba	10.283	9.903	244.5E6	136.2E6	94.525	92.668
4)	m	MCPP	10.433	9.967	31176015	15270057	9415.434	8761.337
5)	m	MCPA	10.597	10.210	46548346	26315983	9348.885	9448.487
6)	m	Dichloroprop	11.023	10.580	56945476	33757271	80.227	80.923
7)	m	2,4-D	11.270	10.900	53080226	33825157	79.438	83.566
8)	m	2,4,5-TP ...	12.193	11.763	254.3E6	144.8E6	87.305	86.005
9)	m	2,4,5-T	12.490	12.157	197.2E6	111.7E6	91.335	89.862
10)	m	2,4-DB	13.057	12.677	20486396	11776928	93.165	89.060
11)	m	Dinoseb	14.290	13.037	170.7E6	99372582	87.823	86.781

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

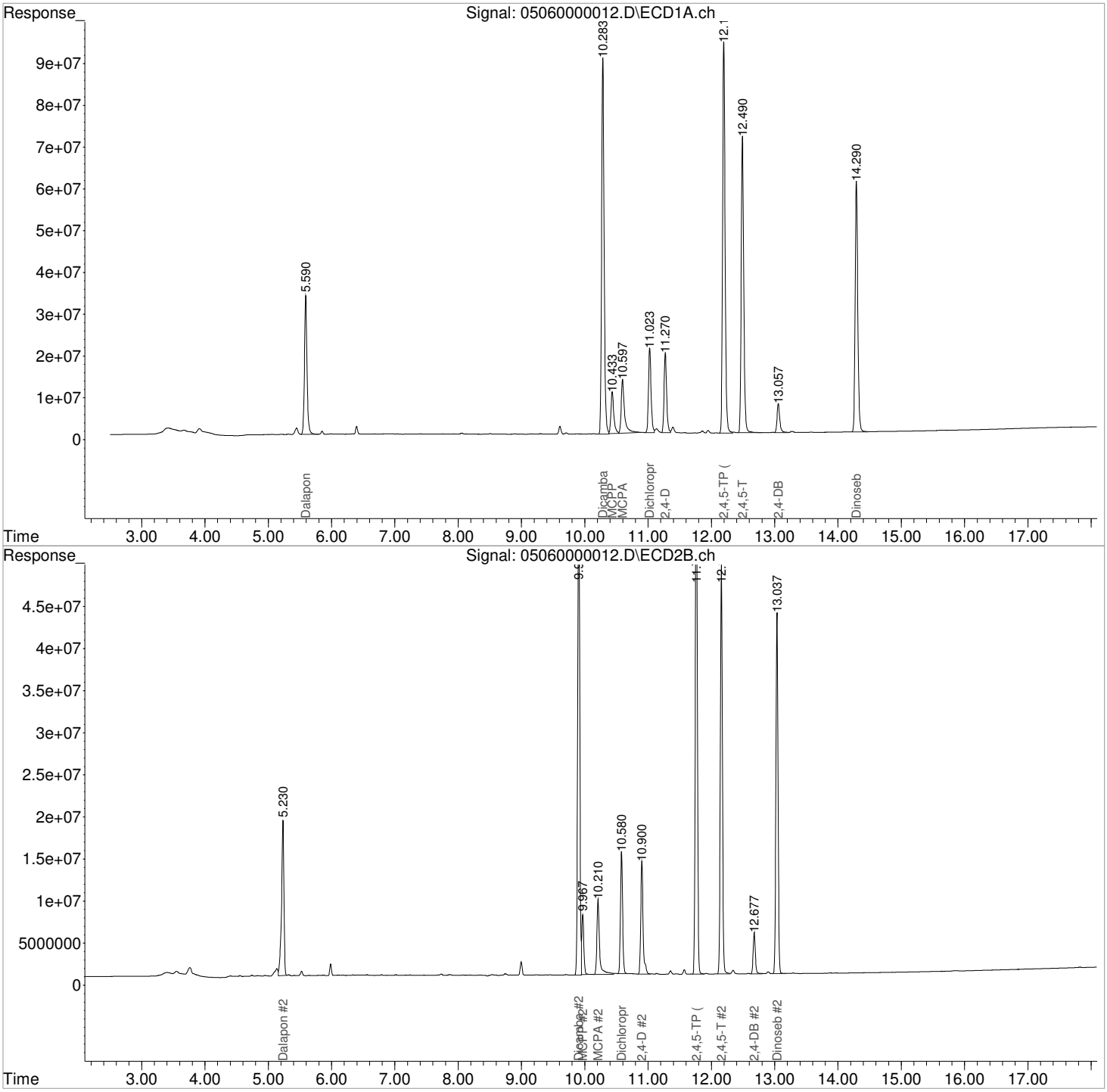
Quantitation Report (QT Reviewed)

1st JTC 05/06/21
2nd 4w 05/06/21

Data File : J:\GC34\DATA\050621-HB\05060000012.D Vial: 10
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06-May-2021, 14:43:57 Operator: JTC
Sample : PENTA02-29G 100 PPB ICV Inst : GCI
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: May 06 15:53:18 2021
Quant Results File: 050621_8151.RES

Quant Method : J:\GC34\METHODS\050621_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Thu May 06 15:52:39 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 (QT Reviewed)

1st JTC 05/06/21
2nd 4w 05/06/21

Data File : J:\GC34\DATA\050621-HB\05060000013.D Vial: 1
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06-May-2021, 15:08:05 Operator: JTC
Sample : IB Inst : GCI
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: May 06 15:53:05 2021
Quant Results File: 050621_8151.RES

Quant Method : J:\GC34\METHODS\050621_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Thu May 06 15:52:39 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.	N.D.
		Target Compounds						
1)	m	Dalapon	5.647f	5.177f	270003	80120	0.263	0.144 #
3)	m	Dicamba	0.000	0.000	0	0	N.D.	N.D.
4)	m	MCPP	0.000	0.000	0	0	N.D.	N.D.
5)	m	MCPA	10.567f	0.000	63918	0	N.D.	N.D.
6)	m	Dichloroprop	0.000	10.597	0	538153	N.D.	N.D.
7)	m	2,4-D	0.000	0.000	0	0	N.D.	N.D.
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.

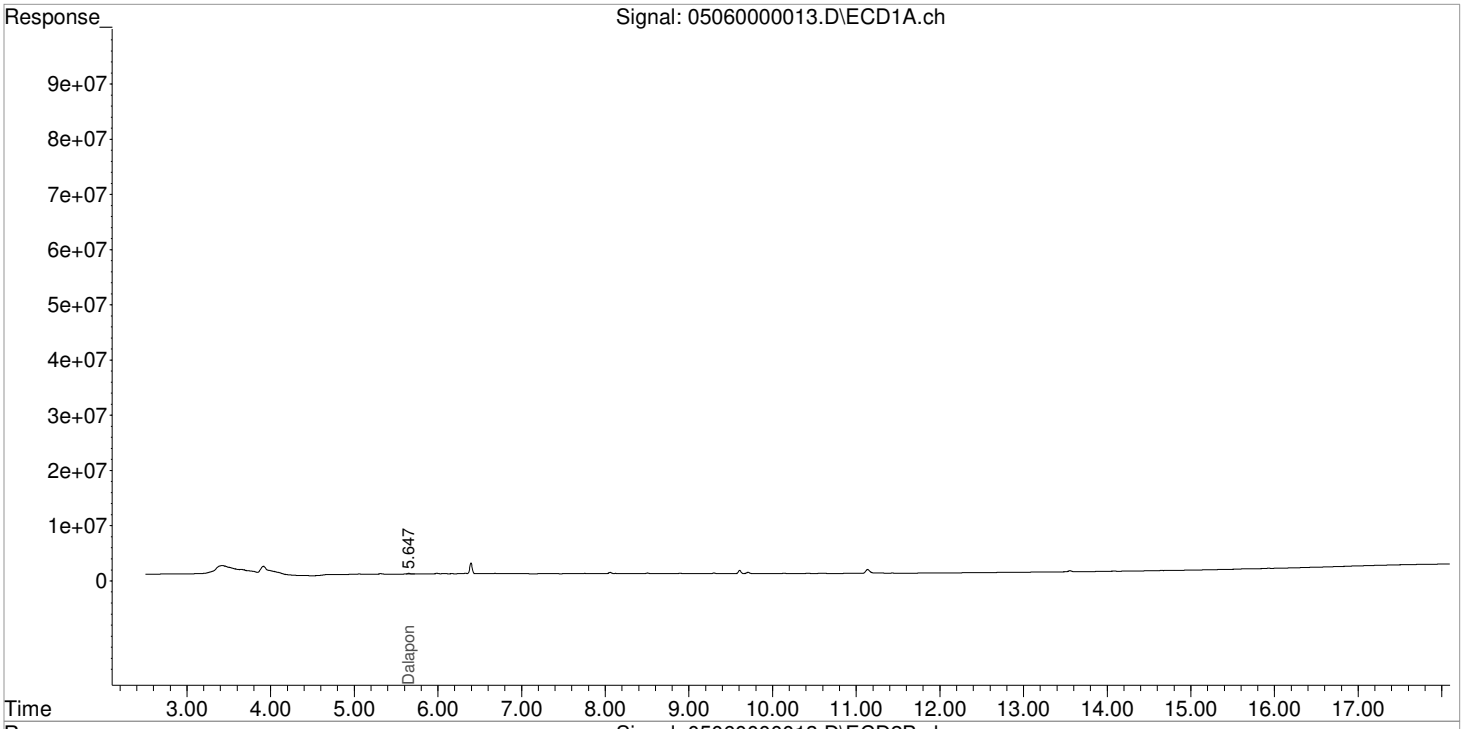
Quantitation Report (QT Reviewed)

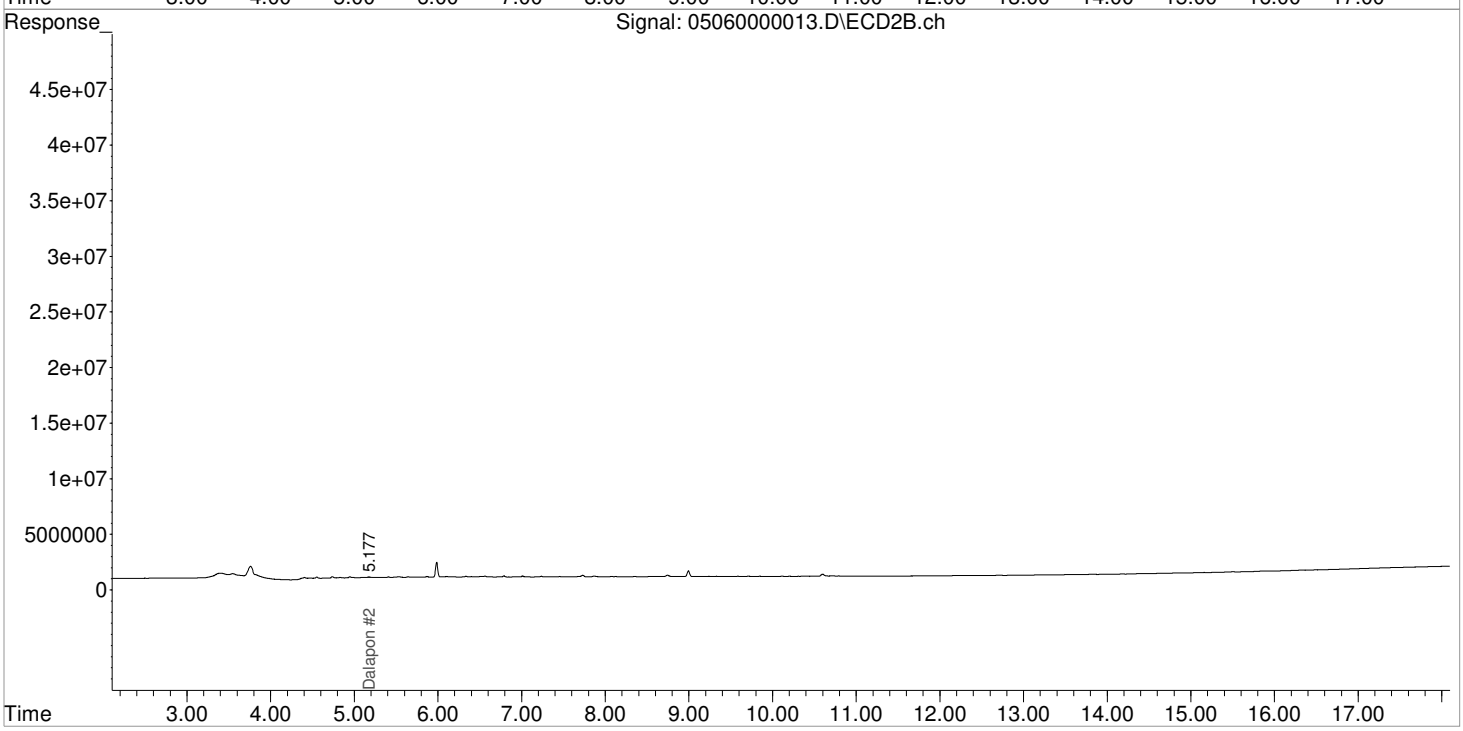
1st JTC 05/06/21
2nd 4w 05/06/21

Data File : J:\GC34\DATA\050621-HB\05060000013.D Vial: 1
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06-May-2021, 15:08:05 Operator: JTC
Sample : IB Inst : GCI
Misc : Multiplr: 1.00
Integration File signal 1: RTEINT.P
Integration File signal 2: RTEINT2.P
Quant Time: May 06 15:53:05 2021
Quant Results File: 050621_8151.RES

Quant Method : J:\GC34\METHODS\050621_8151.M
Quant Title : 103118_8151.m MJ215 CAL_KC1800
QLast Update : Thu May 06 15:52:39 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





Run #723122
Calibration ID: KC2100249

Sequence Table (Front Injector):

Line	Location	SampleName	Method Name	Num Inj	SampleType
1	Vial 100	HB PRIMER	8151A-17	1	Sample
2	Vial 100	HB PRIMER	8151A-17	1	Sample
3	Vial 1	PENTA02-29F 100PPB CCV	8151A-17	1	Sample
4	Vial 2	IB	8151A-17	1	Sample
5	Vial 3	KQ2107272-04 MB	8151A-17	1	Sample
6	Vial 4	KQ2107272-03 LCS	8151A-17	1	Sample
7	Vial 5	K2104352-001 MS	8151A-17	1	Sample
8	Vial 6	K2104352-001 DMS	8151A-17	1	Sample
9	Vial 7	K2104352-001	8151A-17	1	Sample
10	Vial 1	PENTA02-29F 100PPB CCV	8151A-17	1	Sample
11	Vial 2	IB	8151A-17	1	Sample
12	Vial 8	KQ2107796-03 MB	8151A-17	1	Sample
13	Vial 9	KQ2107796-01 LCS	8151A-17	1	Sample
14	Vial 10	KQ2107796-02 DLCS	8151A-17	1	Sample
15	Vial 11	K2104999-001	8151A-17	1	Sample
16	Vial 12	K2104999-002	8151A-17	1	Sample
17	Vial 1	PENTA02-29F 100PPB CCV	8151A-17	1	Sample
18	Vial 2	IB	8151A-17	1	Sample