

DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following “ Results Qualifiers” are used:

Value	If the result is a value greater than or equal to the detection limit, report the value
U	Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. “10 U”. This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.
ND	Indicates the analyte was analyzed for, but not detected
J	Indicates an estimated value. This flag is used: (1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.) (2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others.
B	Indicates the analyte was found in the blank as well as the sample report as “12 B”.
E	Indicates the analyte ‘s concentration exceeds the calibrated range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
P	This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a “P”.
N	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.
A	This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.
Q	Indicates the LCS did not meet the control limits requirements

LAB CHRONICLE

OrderID:	Q1626	OrderDate:	3/21/2025 12:59:00 PM
Client:	Walsh Construction Company II, LLC	Project:	Walsh CO-032 Sampling
Contact:	Evelyne Benie Dion Gokan	Location:	F11,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1626-01	CO-32-1	SOIL			03/21/25			03/21/25
			Gasoline Range Organics	8015D			03/24/25	
			Herbicide	8151A		03/25/25	03/26/25	
			Herbicide	8151A		03/25/25	03/28/25	
			PCB	8082A		03/24/25	03/24/25	
			Pesticide-TCL	8081B		03/24/25	03/25/25	
			TPH GC	8015D		03/25/25	03/25/25	
			EPH_NF	NJEPH		03/24/25	03/24/25	
Q1626-01DL	CO-32-1DL	SOIL			03/21/25			03/21/25
			PCB	8082A		03/24/25	03/25/25	
Q1626-03	CO-32-1	TCLP			03/21/25			03/21/25
			TCLP Herbicide	8151A		03/25/25	03/26/25	
			TCLP Herbicide	8151A		03/25/25	03/28/25	
			TCLP Pesticide	8081B		03/25/25	03/25/25	



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Hit Summary Sheet
SW-846

SDG No.: Q1626

Order ID: Q1626

Client: Walsh Construction Company II, LLC

Project ID: Walsh CO-032 Sampling

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
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Client ID :

Total Concentration: 0.000



QC SUMMARY

Surrogate Summary

SDG No.: Q1626

Client: Walsh Construction Company II, LLC

Analytical Method: 8151A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%)	
								Low	High
I.BLK-PS029543.D	PIBLK-PS029543.D	2,4-DCAA	1	500	311	62		39	175
		2,4-DCAA	2	500	483	97		39	175
I.BLK-PS029551.D	PIBLK-PS029551.D	2,4-DCAA	1	500	373	75		39	175
		2,4-DCAA	2	500	470	94		39	175
Q1626-01	CO-32-1	2,4-DCAA	1	500	90.3	18		10	141
		2,4-DCAA	2	500	94.9	19		10	141
I.BLK-PS029557.D	PIBLK-PS029557.D	2,4-DCAA	1	500	455	91		39	175
		2,4-DCAA	2	500	523	105		39	175
I.BLK-PS029587.D	PIBLK-PS029587.D	2,4-DCAA	1	500	518	104		39	175
		2,4-DCAA	2	500	541	108		39	175
Q1626-01	CO-32-1	2,4-DCAA	1	500	96.7	19		10	141
		2,4-DCAA	2	500	106	21		10	141
Q1626-01MS	CO-32-1MS	2,4-DCAA	1	500	102	20		10	141
		2,4-DCAA	2	500	104	21		10	141
Q1626-01MSD	CO-32-1MSD	2,4-DCAA	1	500	98.1	20		10	141
		2,4-DCAA	2	500	102	20		10	141
I.BLK-PS029599.D	PIBLK-PS029599.D	2,4-DCAA	1	500	528	106		39	175
		2,4-DCAA	2	500	545	109		39	175
PB167293BL	PB167293BL	2,4-DCAA	1	500	495	99		10	141
		2,4-DCAA	2	500	478	96		10	141
I.BLK-PS029611.D	PIBLK-PS029611.D	2,4-DCAA	1	500	529	106		39	175
		2,4-DCAA	2	500	554	111		39	175
I.BLK-PS029656.D	PIBLK-PS029656.D	2,4-DCAA	1	500	476	95		39	175
		2,4-DCAA	2	500	485	97		39	175
I.BLK-PS029672.D	PIBLK-PS029672.D	2,4-DCAA	1	500	497	99		39	175
		2,4-DCAA	2	500	483	97		39	175
PB167293BS	PB167293BS	2,4-DCAA	1	500	588	118		10	141
		2,4-DCAA	2	500	599	120		10	141
I.BLK-PS029682.D	PIBLK-PS029682.D	2,4-DCAA	1	500	522	104		39	175
		2,4-DCAA	2	500	516	103		39	175

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q1626</u>	Analytical Method:	<u>8151A</u>
Client:	<u>Walsh Construction Company II, LLC</u>	DataFile :	<u>PS029594.D</u>

	Parameter	Spike	Sample		Units	Rec	Rec		RPD		Limits	
			Result	Result			Qual	RPD	Qual	Low	High	RPD
Lab Sample ID:	Q1626-01MS (Column 1)	Client Sample ID:		CO-32-1MS								
	DICAMBA	175.5	0	42.3	ug/Kg	24				10	112	
	DICHLORPROP	175.5	0	18.5	ug/Kg	11				10	113	
	2,4-D	175.5	0	53.1	ug/Kg	30				10	144	
	2,4,5-TP(Silvex)	175.5	0	14.0	ug/Kg	8	*			10	114	
	2,4,5-T	175.5	0	22.8	ug/Kg	13				10	115	
	2,4-DB	175.5	0	0	ug/Kg	0	*			10	140	
	Dinoseb	175.5	0	0	ug/Kg	0	*			10	118	
Lab Sample ID:	Q1626-01MS (Column 2)	Client Sample ID:		CO-32-1MS								
	DICAMBA	175.5	0	34.6	ug/Kg	0				10	112	
	DICHLORPROP	175.5	0	19.0	ug/Kg	0				10	113	
	2,4-D	175.5	0	38.3	ug/Kg	0				10	144	
	2,4,5-TP(Silvex)	175.5	0	13.3	ug/Kg	0				10	114	
	2,4,5-T	175.5	0	19.1	ug/Kg	0				10	115	
	2,4-DB	175.5	0	0	ug/Kg	0				10	140	
	Dinoseb	175.5	0	0	ug/Kg	0				10	118	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q1626</u>	Analytical Method:	<u>8151A</u>
Client:	<u>Walsh Construction Company II, LLC</u>	DataFile :	<u>PS029595.D</u>

	Parameter	Spike	Sample		Units	Rec	Rec		RPD		Limits	
			Result	Result			Qual	RPD	Qual	Low	High	RPD
Lab Sample ID:	Q1626-01MSD	Client Sample ID:		CO-32-1MSD								
	(Column 1)											
	DICAMBA	175.6	0	42.3	ug/Kg	24		0		10	112	20
	DICHLORPROP	175.6	0	18.1	ug/Kg	10		10		10	113	20
	2,4-D	175.6	0	51.5	ug/Kg	29		3		10	144	20
	2,4,5-TP(Silvex)	175.6	0	14.1	ug/Kg	8	*	0		10	114	20
	2,4,5-T	175.6	0	22.8	ug/Kg	13		0		10	115	20
	2,4-DB	175.6	0	0	ug/Kg	0	*	0		10	140	20
	Dinoseb	175.6	0	0	ug/Kg	0	*	0		10	118	20
Lab Sample ID:	Q1626-01MSD	Client Sample ID:		CO-32-1MSD								
	(Column 2)											
	DICAMBA	175.6	0	34.7	ug/Kg	0		0		10	112	20
	DICHLORPROP	175.6	0	17.8	ug/Kg	0		10		10	113	20
	2,4-D	175.6	0	37.9	ug/Kg	0		0		10	144	20
	2,4,5-TP(Silvex)	175.6	0	11.7	ug/Kg	0		13		10	114	20
	2,4,5-T	175.6	0	19.3	ug/Kg	0		0		10	115	20
	2,4-DB	175.6	0	0	ug/Kg	0		0		10	140	20
	Dinoseb	175.6	0	0	ug/Kg	0		0		10	118	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1626

Analytical Method: 8151A

Client: Walsh Construction Company II, LLC

Datafile : PS029681.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD			Limits	
						RPD	Qual	Qual	Low	High
PB167293BS (Column 1)	DICAMBA	166.6	187	ug/Kg	112				72	129
	DICHLORPROP	166.6	184	ug/Kg	110				77	135
	2,4-D	166.6	184	ug/Kg	112				65	144
	2,4,5-TP(Silvex)	166.6	188	ug/Kg	115				74	146
	2,4,5-T	166.6	189	ug/Kg	116				77	134
	2,4-DB	166.6	188	ug/Kg	113				72	122
	Dinoseb	166.6	185	ug/Kg	113				74	132
PB167293BS (Column 2)	DICAMBA	166.6	187	ug/Kg					72	129
	DICHLORPROP	166.6	183	ug/Kg					77	135
	2,4-D	166.6	186	ug/Kg					65	144
	2,4,5-TP(Silvex)	166.6	192	ug/Kg					74	146
	2,4,5-T	166.6	194	ug/Kg					77	134
	2,4-DB	166.6	185	ug/Kg					72	122
	Dinoseb	166.6	188	ug/Kg					74	132

4C

PESTICIDE METHOD BLANK SUMMARY

Client ID

PB167293BL

Lab Name: Alliance

Contract: WALS01

Lab Code: ACE

SDG NO.: Q1626

Lab Sample ID: PB167293BL

Lab File ID: PS029603.D

Matrix: (soil/water) Solid

Extraction: (Type) SOXH

Sulfur Cleanup: (Y/N) N

Date Extracted: 03/25/2025

Date Analyzed (1): 03/28/2025

Date Analyzed (2): 03/28/2025

Time Analyzed (1): 05:39

Time Analyzed (2): 05:39

Instrument ID (1): ECD_S

Instrument ID (2): ECD_S

GC Column (1): RTX-CLP ID: 0.32 (mm)

GC Column (2): RTX-CLP2 ID: 0.32 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED 1	DATE ANALYZED 2
CO-32-1	Q1626-01	PS029554.D	03/26/2025	03/26/2025
CO-32-1	Q1626-01	PS029593.D	03/28/2025	03/28/2025
CO-32-1MS	Q1626-01MS	PS029594.D	03/28/2025	03/28/2025
CO-32-1MSD	Q1626-01MSD	PS029595.D	03/28/2025	03/28/2025
PB167293BS	PB167293BS	PS029681.D	04/03/2025	04/03/2025

COMMENTS: _____



SAMPLE DATA



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Walsh Construction Company II, LLC		Date Collected:	03/21/25
Project:	Walsh CO-032 Sampling		Date Received:	03/21/25
Client Sample ID:	CO-32-1		SDG No.:	Q1626
Lab Sample ID:	Q1626-01		Matrix:	SOIL
Analytical Method:	8151A		% Solid:	94.8
Sample Wt/Vol:	30.05 g	Final Vol: 10000 uL	Test:	Herbicide
Prep Method:	8151A	Prep Date: 03/25/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
1918-00-9	DICAMBA	8.20	U	1	8.20	70.6	ug/Kg	03/26/25 17:42	PB167293
120-36-5	DICHLORPROP	13.5	U	1	13.5	70.6	ug/Kg	03/26/25 17:42	PB167293
94-75-7	2,4-D	9.50	U	1	9.50	70.6	ug/Kg	03/26/25 17:42	PB167293
93-72-1	2,4,5-TP (Silvex)	9.50	U	1	9.50	70.6	ug/Kg	03/26/25 17:42	PB167293
93-76-5	2,4,5-T	9.20	U	1	9.20	70.6	ug/Kg	03/26/25 17:42	PB167293
94-82-6	2,4-DB	25.5	U	1	25.5	70.6	ug/Kg	03/26/25 17:42	PB167293
88-85-7	DINOSEB	11.4	U	1	11.4	70.6	ug/Kg	03/26/25 17:42	PB167293
SURROGATES									
19719-28-9	2,4-DCAA	94.9			10 - 141	19%	SPK: 500		

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS032725\
 Data File : PS029554.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 26 Mar 2025 17:42
 Operator : AR\AJ
 Sample : Q1626-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 CO-32-1

Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 03/27/2025
 Supervised By : mohammad ahmed 03/28/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Mar 26 18:00:29 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS032625.M
 Quant Title : 8080.M
 QLast Update : Wed Mar 26 16:20:53 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x 0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds						
4) S 2,4-DCAA	7.118	7.541	374.6E6	89282072	90.288m	94.885m

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS032725\
Data File : PS029554.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Mar 2025 17:42
Operator : AR\AJ
Sample : Q1626-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

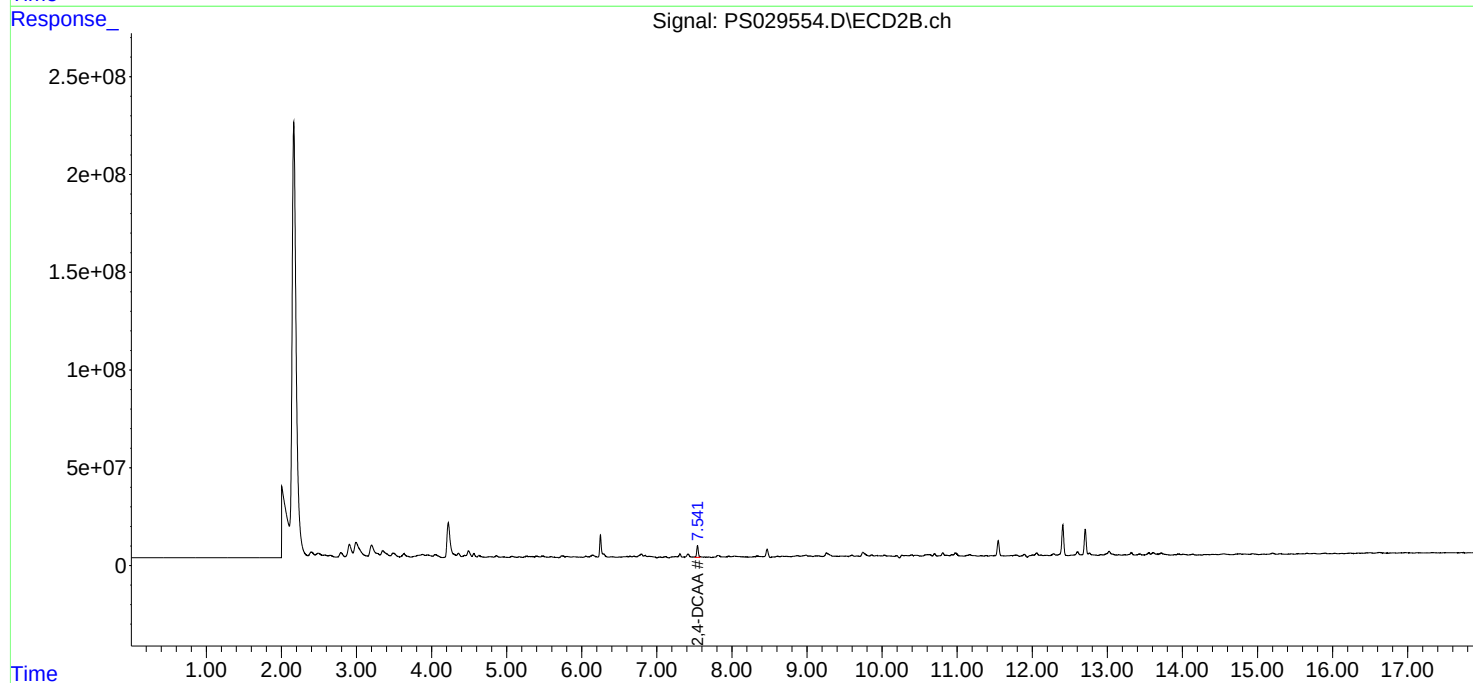
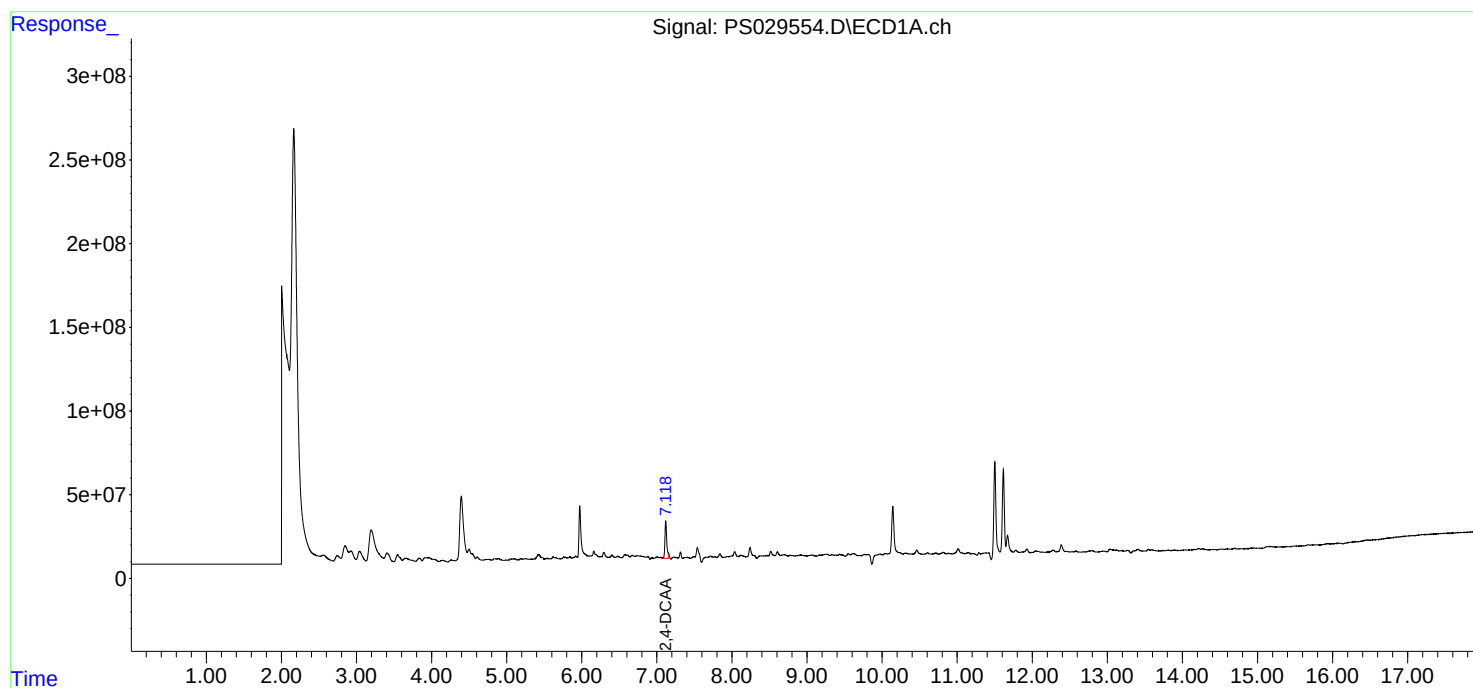
Instrument :
ECD_S
ClientSampleId :
CO-32-1

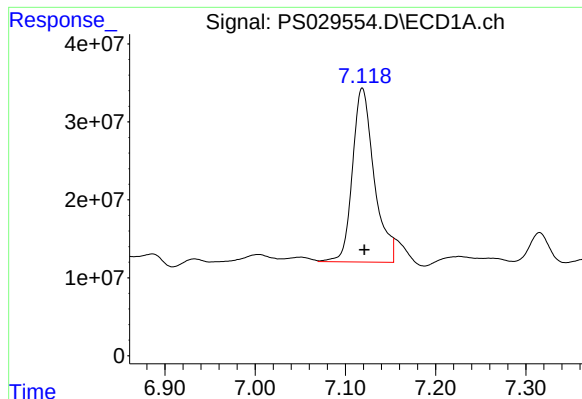
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 03/27/2025
Supervised By : mohammad ahmed 03/28/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 26 18:00:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS032625.M
Quant Title : 8080.M
QLast Update : Wed Mar 26 16:20:53 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x 0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm





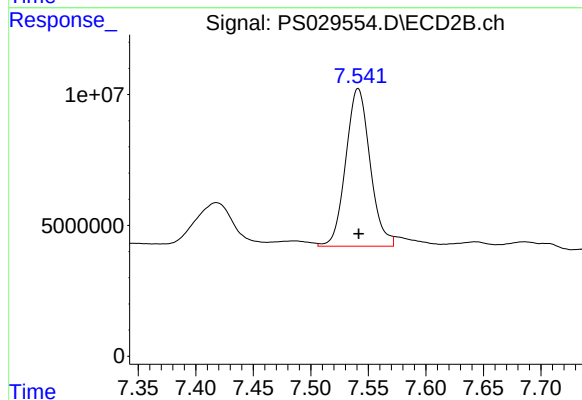
#4 2,4-DCAA

R.T.: 7.118 min
Delta R.T.: -0.003 min
Response: 374644650
Conc: 90.29 ng/ml

Instrument :
ECD_S
ClientSampleId :
CO-32-1

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/27/2025
Supervised By :mohammad ahmed 03/28/2025



#4 2,4-DCAA

R.T.: 7.541 min
Delta R.T.: 0.000 min
Response: 89282072
Conc: 94.88 ng/ml m



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Walsh Construction Company II, LLC		Date Collected:	03/21/25
Project:	Walsh CO-032 Sampling		Date Received:	03/21/25
Client Sample ID:	CO-32-1		SDG No.:	Q1626
Lab Sample ID:	Q1626-01		Matrix:	SOIL
Analytical Method:	8151A		% Solid:	94.8
Sample Wt/Vol:	30.05 g	Final Vol: 10000 uL	Test:	Herbicide
Prep Method:	8151A	Prep Date: 03/25/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
1918-00-9	DICAMBA	8.20	U	1	8.20	70.6	ug/Kg	03/28/25 01:15	PB167293
120-36-5	DICHLORPROP	13.5	U	1	13.5	70.6	ug/Kg	03/28/25 01:15	PB167293
94-75-7	2,4-D	9.50	U	1	9.50	70.6	ug/Kg	03/28/25 01:15	PB167293
93-72-1	2,4,5-TP (Silvex)	9.50	U	1	9.50	70.6	ug/Kg	03/28/25 01:15	PB167293
93-76-5	2,4,5-T	9.20	U	1	9.20	70.6	ug/Kg	03/28/25 01:15	PB167293
94-82-6	2,4-DB	25.5	U	1	25.5	70.6	ug/Kg	03/28/25 01:15	PB167293
88-85-7	DINOSEB	11.4	U	1	11.4	70.6	ug/Kg	03/28/25 01:15	PB167293
SURROGATES									
19719-28-9	2,4-DCAA	106			10 - 141	21%	SPK: 500		

U = Not Detected

LOQ = Limit of Quantitation

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LOD = Limit of Detection

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J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS032825\
 Data File : PS029593.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 28 Mar 2025 01:15
 Operator : AR\AJ
 Sample : Q1626-01
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 CO-32-1

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/28/2025
 Supervised By :mohammad ahmed 04/01/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Mar 28 03:25:10 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS032825.M
 Quant Title : 8080.M
 QLast Update : Thu Mar 27 12:24:58 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
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 System Monitoring Compounds

4) S	2,4-DCAA	7.113	7.534	371.2E6	91627765	96.673m	106.137
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Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS032825\
Data File : PS029593.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Mar 2025 01:15
Operator : AR\AJ
Sample : Q1626-01
Misc :
ALS Vial : 32 Sample Multiplier: 1

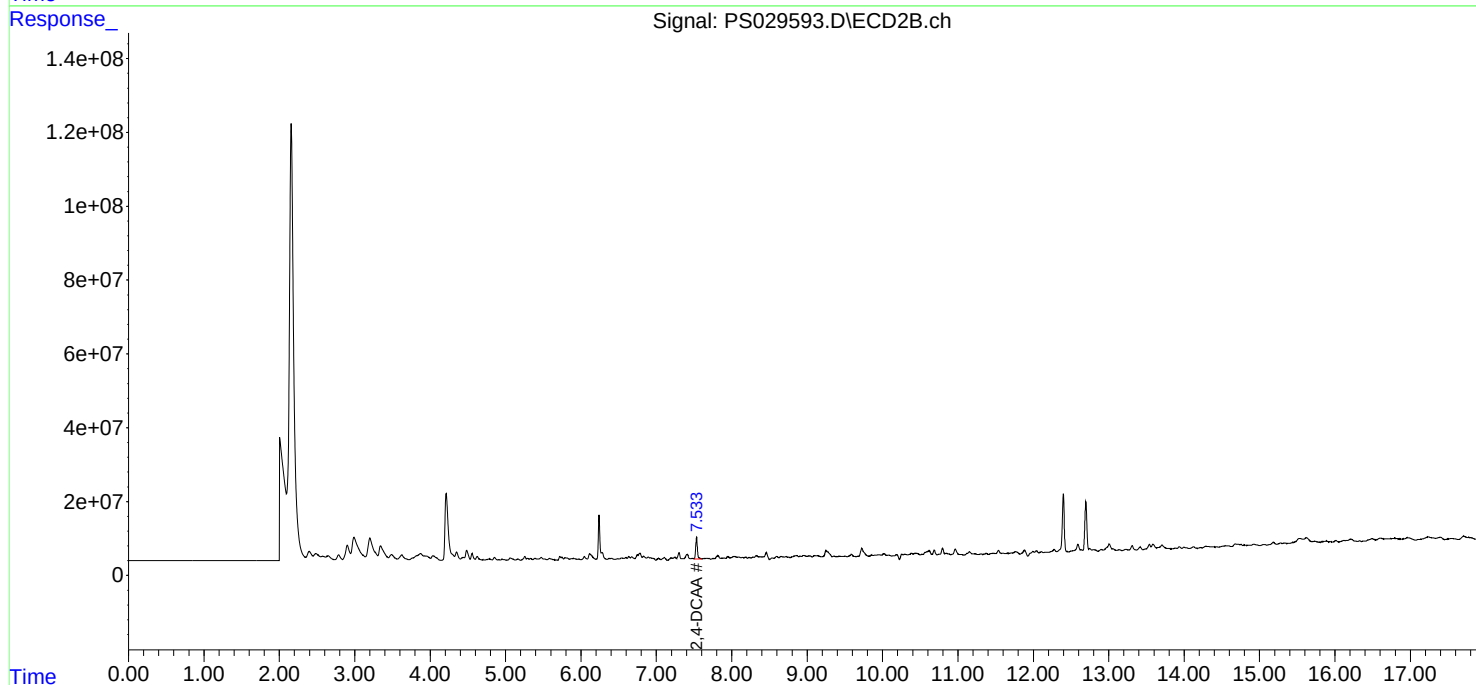
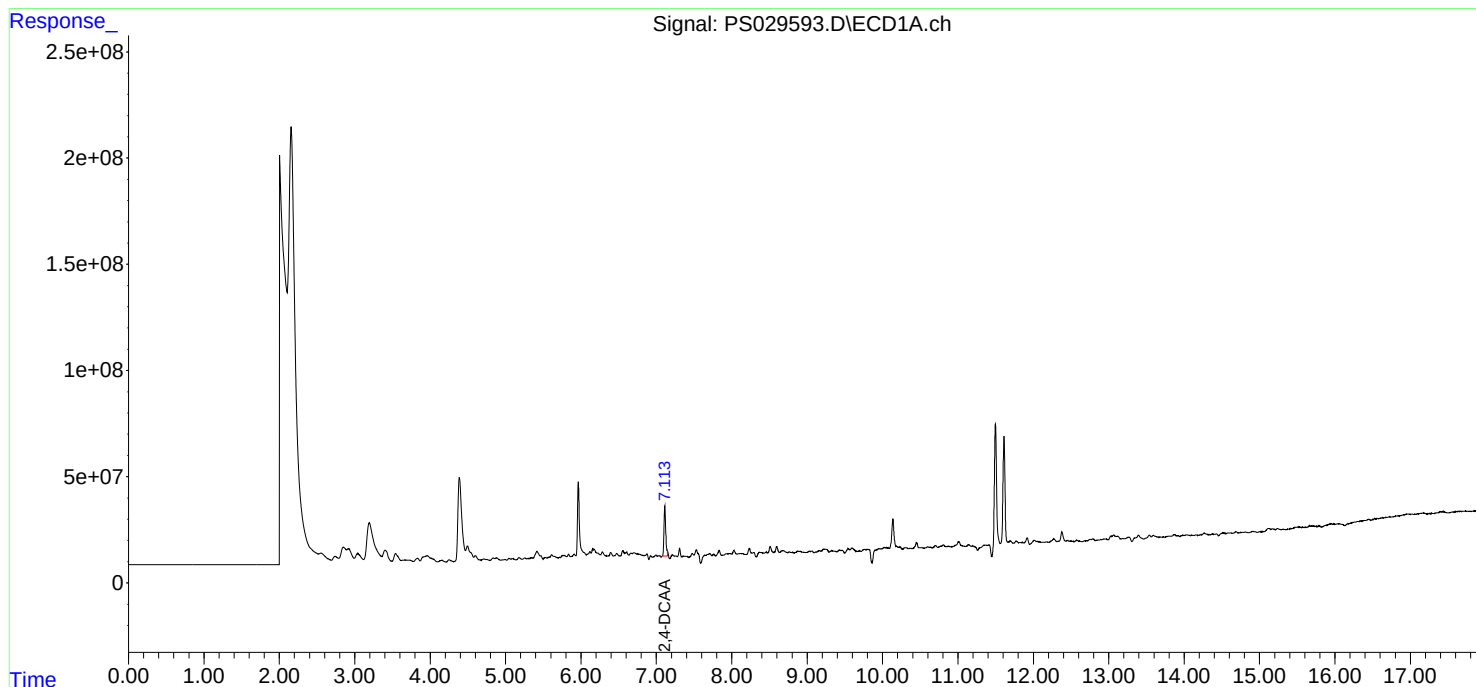
Instrument :
ECD_S
ClientSampleId :
CO-32-1

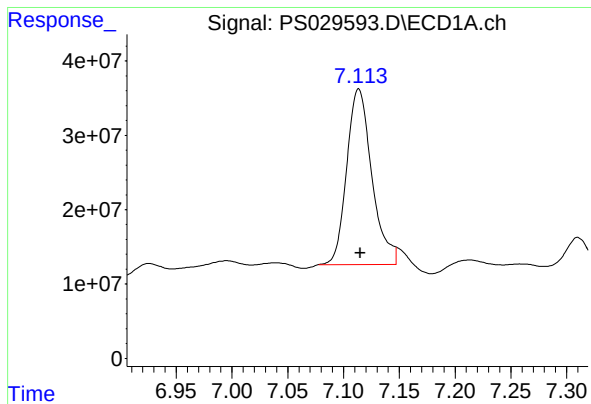
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 03/28/2025
Supervised By : mohammad ahmed 04/01/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 28 03:25:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS032825.M
Quant Title : 8080.M
QLast Update : Thu Mar 27 12:24:58 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x 0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm





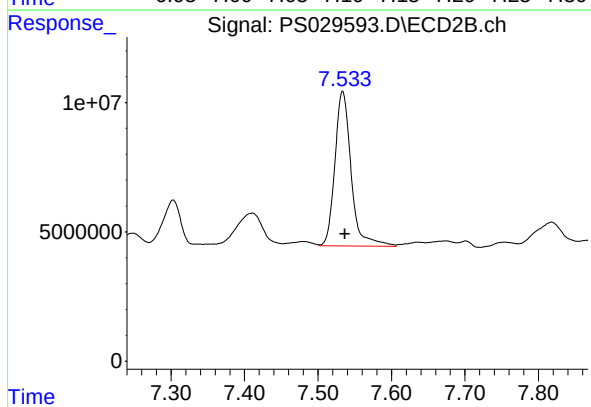
#4 2,4-DCAA

R.T.: 7.113 min
Delta R.T.: -0.002 min
Response: 371235262
Conc: 96.67 ng/ml

Instrument :
ECD_S
ClientSampleId :
CO-32-1

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/28/2025
Supervised By :mohammad ahmed 04/01/2025



#4 2,4-DCAA

R.T.: 7.534 min
Delta R.T.: -0.003 min
Response: 91627765
Conc: 106.14 ng/ml



CALIBRATION SUMMARY

RETENTION TIMES OF INITIAL CALIBRATION

Lab Name:	<u>Alliance</u>	Contract:	<u>WALS01</u>
Lab Code:	<u>ACE</u>	SDG NO.:	<u>Q1626</u>
Instrument ID:	<u>ECD_S</u>	Calibration Date(s):	<u>03/26/2025</u> <u>03/26/2025</u>
		Calibration Times:	<u>12:36</u> <u>15:28</u>

 GC Column: RTX-CLP ID: 0.32 (mm)

LAB FILE ID:	RT 200 = <u>PS029544.D</u>	RT 500 = <u>PS029545.D</u>
RT 750 = <u>PS029546.D</u>	RT 1000 = <u>PS029547.D</u>	RT 1500 = <u>PS029548.D</u>

COMPOUND	RT 200	RT 500	RT 750	RT 1000	RT 1500	MEAN RT	RT WINDOW	
							FROM	TO
2,4,5-T	9.41	9.39	9.38	9.38	9.38	9.39	9.29	9.49
2,4,5-TP(Silvex)	9.10	9.09	9.09	9.09	9.09	9.09	8.99	9.19
2,4-D	8.26	8.24	8.23	8.23	8.23	8.24	8.14	8.34
2,4-DB	10.00	9.97	9.95	9.95	9.95	9.97	9.87	10.07
2,4-DCAA	7.13	7.13	7.12	7.12	7.12	7.12	7.02	7.22
DICAMBA	7.30	7.30	7.30	7.30	7.30	7.30	7.20	7.40
DICHLORPROP	8.00	8.00	8.00	8.00	8.00	8.00	7.90	8.10
Dinoseb	11.14	11.14	11.13	11.13	11.13	11.13	11.03	11.23

Calibration Times: **12:36** **15:28**

LAB FILE ID:	RT 200 =	<u>PS029544.D</u>	RT 500 =	<u>PS029545.D</u>
	RT 750 =	PS029546.D	RT 1000 =	PS029547.D
			RT 1500 =	PS029548.D

[illegible]



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

CALIBRATION FACTOR OF INITIAL CALIBRATION

Lab Name: Alliance

Contract: WALS01

Lab Code: ACE

SDG NO.: Q1626

Instrument ID: ECD_S

Calibration Date(s): 03/26/2025 03/26/2025

Calibration Times: 12:36 15:28

GC Column: RTX-CLP ID: 0.32 (mm)

LAB FILE ID:		CF 200 =	<u>PS029544.D</u>	CF 500 =	<u>PS029545.D</u>		
CF 750 =		<u>PS029546.D</u>	CF 1000 =	<u>PS029547.D</u>	CF 1500 =	<u>PS029548.D</u>	
COMPOUND	CF 200	CF 500	CF 750	CF 1000	CF 1500	CF	% RSD
2,4,5-T	14222500000	16474000000	20423100000	22545300000	21395000000	18785800000	17
2,4,5-TP(Silvex)	24018400000	22059100000	24346500000	25455300000	22932000000	23924900000	5
2,4-D	3144800000	3365730000	3911400000	4296400000	3917020000	3702380000	11
2,4-DB	349005000	928303000	1472360000	1918470000	2193160000	1282170000	55
2,4-DCAA	4300310000	3868120000	4187280000	4381070000	4029730000	4174580000	5
DICAMBA	21383900000	17890700000	19041700000	19764300000	17837800000	19374900000	7
DICHLORPROP	4895800000	4060360000	4367380000	4567850000	4194620000	4467470000	7
Dinoseb	18045300000	16487900000	18201700000	19321000000	17766600000	18007700000	5



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CALIBRATION FACTOR OF INITIAL CALIBRATION

Lab Name: Alliance

Contract: WALS01

Lab Code: ACE

SDG NO.: Q1626

Instrument ID: ECD_S

Calibration Date(s): 03/26/2025 03/26/2025

Calibration Times: 12:36 15:28

GC Column: RTX-CLP2

ID: 0.32 (mm)

LAB FILE ID:		CF 200 =	<u>PS029544.D</u>	CF 500 =	<u>PS029545.D</u>		
CF 750 =		<u>PS029546.D</u>	CF 1000 =	<u>PS029547.D</u>	CF 1500 =	<u>PS029548.D</u>	
COMPOUND	CF 200	CF 500	CF 750	CF 1000	CF 1500	CF	% RSD
2,4,5-T	8476760000	7977500000	8955850000	9522000000	8841360000	8674790000	6
2,4,5-TP(Silvex)	9587970000	8702930000	9714220000	10274400000	9471070000	9478380000	6
2,4-D	1496460000	1262800000	1389370000	1472970000	1363480000	1402410000	6
2,4-DB	875357000	811212000	917641000	986486000	934035000	899305000	7
2,4-DCAA	991581000	856311000	947475000	1008610000	943770000	949391000	6
DICAMBA	5174960000	4755290000	5440370000	5871600000	5523020000	5285320000	8
DICHLORPROP	1342400000	1141720000	1253320000	1324630000	1232870000	1262920000	6
Dinoseb	6643390000	5933950000	6595230000	7070920000	6563560000	6491060000	6

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS032725\
 Data File : PS029544.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 26 Mar 2025 12:36
 Operator : AR\AJ
 Sample : HSTDICC200
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

HSTDICC200

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 03/27/2025

Supervised By :mohammad ahmed 03/28/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Mar 26 13:51:22 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS032625.M
 Quant Title : 8080.M
 QLast Update : Wed Mar 26 13:51:08 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
4) S	2,4-DCAA	7.132	7.546	860.1E6	198.3E6	205.399	209.310
Target Compounds							
1) T	Dalapon	2.597	2.612	1206.0E6	487.8E6	174.774	210.352
2) T	3,5-DICHL...	6.321	6.535	1111.8E6	277.6E6	182.267	197.628
3) T	4-Nitroph...	6.915	7.090	9175803	173.4E6	10.812m	189.363 #
5) T	DICAMBA	7.302	7.733	4020.2E6	972.9E6	211.125	178.828
6) T	MCPD	7.474	7.833	198.5E6	42552224	15.048	17.166
7) T	MCPA	7.620	8.068	224.1E6	55610249	14.191	17.170
8) T	DICHLORPROP	8.002	8.437	920.4E6	252.4E6	210.746	201.362
9) T	2,4-D	8.256	8.763	591.2E6	281.3E6	151.153	202.491 #
10) T	Pentachlo...	8.514	9.263	14249.2E6	4776.1E6	227.861	192.046
11) T	2,4,5-TP ...	9.095	9.642	4563.5E6	1821.7E6	187.440	187.531
12) T	2,4,5-T	9.407	10.055	2702.3E6	1610.6E6	132.314	179.836 #
13) T	2,4-DB	10.000f	10.614	66310874	166.3E6	45.037	181.245 #
14) T	DINOSEB	11.135	10.983	3392.5E6	1249.0E6	186.384	189.373
15) T	Picloram	10.939f	12.051	373.1E6	2218.4E6	31.421	155.490 #
16) T	DCPA	11.431	12.008	5548.8E6	2387.0E6	186.243	189.397

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS032725\
Data File : PS029544.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Mar 2025 12:36
Operator : AR\AJ
Sample : HSTDICC200
Misc :
ALS Vial : 3 Sample Multiplier: 1

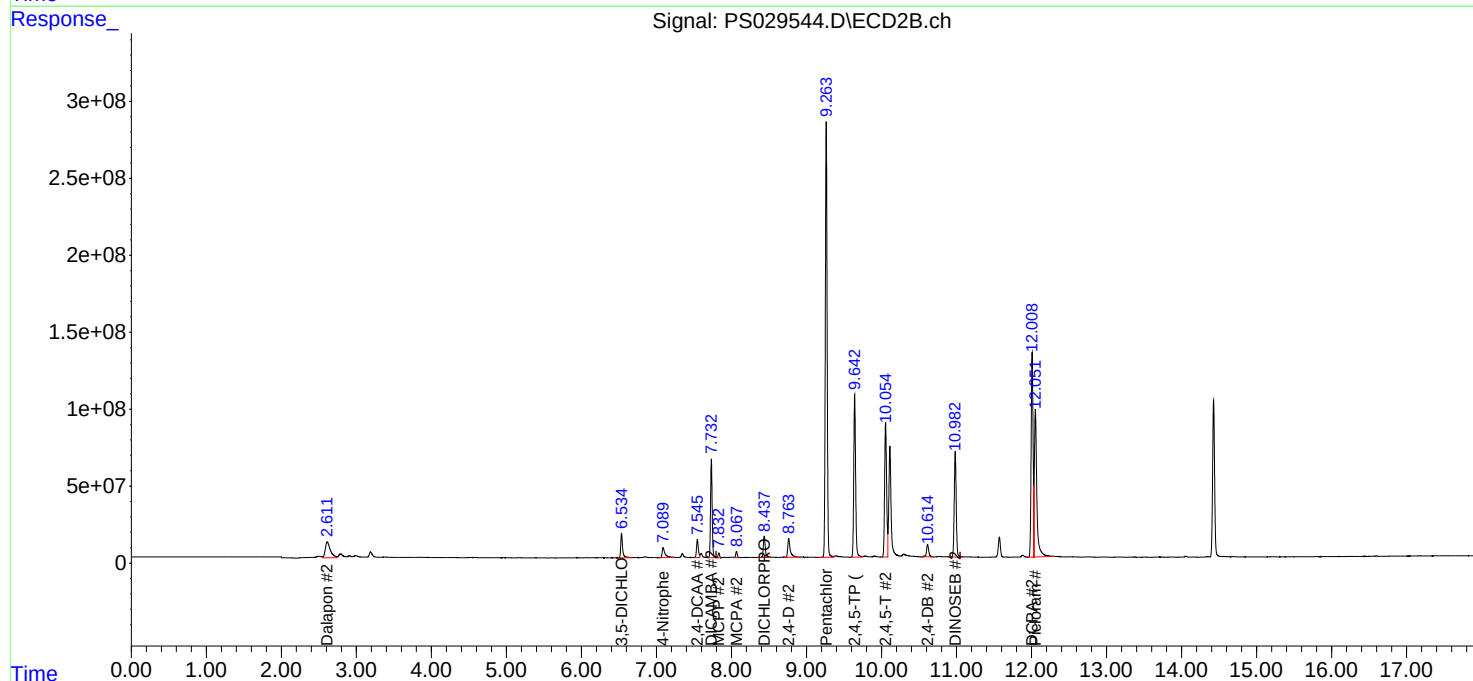
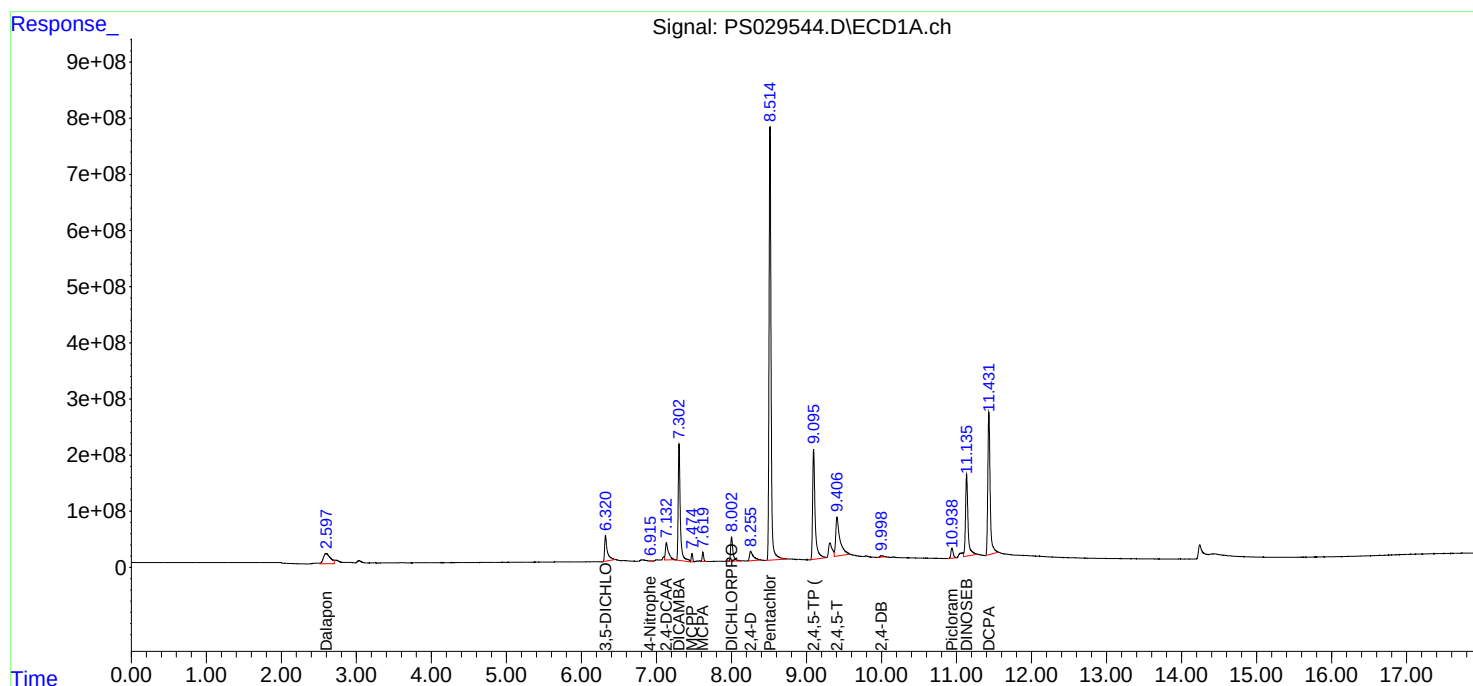
Instrument :
ECD_S
ClientSampleId :
HSTDICC200

Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 03/27/2025
Supervised By : mohammad ahmed 03/28/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 26 13:51:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS032625.M
Quant Title : 8080.M
QLast Update : Wed Mar 26 13:51:08 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS032725\
 Data File : PS029545.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 26 Mar 2025 13:04
 Operator : AR\AJ
 Sample : HSTDICC500
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 HSTDICC500

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Mar 26 13:25:14 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS032625.M
 Quant Title : 8080.M
 QLast Update : Wed Mar 26 04:43:02 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
4) S	2,4-DCAA	7.126	7.542	1934.1E6	428.2E6	500.465	506.212
Target Compounds							
1) T	Dalapon	2.593	2.609	3033.6E6	1012.9E6	538.210	505.584
2) T	3,5-DICHL...	6.314	6.530	2589.6E6	586.3E6	480.228	471.679
3) T	4-Nitroph...	6.956	7.080	225.8E6	377.7E6	253.676	463.229 #
5) T	DICAMBA	7.302	7.731	8408.6E6	2235.0E6	567.349	479.415
6) T	MCPD	7.478	7.834	515.5E6	102.0E6	48.152	52.378
7) T	MCPA	7.624	8.070	606.7E6	136.0E6	44.612	48.874
8) T	DICHLORPROP	8.000	8.434	1908.4E6	536.6E6	422.474	418.451
9) T	2,4-D	8.240	8.756	1581.9E6	593.5E6	424.858	406.578
10) T	Pentachlo...	8.516	9.262	30367.7E6	10777.8E6	493.889	491.362
11) T	2,4,5-TP ...	9.091	9.640	10478.1E6	4133.9E6	473.336	467.802
12) T	2,4,5-T	9.390	10.051	7825.1E6	3789.3E6	459.865	499.875
13) T	2,4-DB	9.966	10.610	440.9E6	385.3E6	343.122	482.426 #
14) T	DINOSEB	11.135	10.981	7749.3E6	2789.0E6	473.848	465.034
15) T	Picloram	10.990	12.046	2634.8E6	5712.8E6	286.694	472.953 #
16) T	DCPA	11.432	12.008	13063.7E6	5464.9E6	501.740	496.166

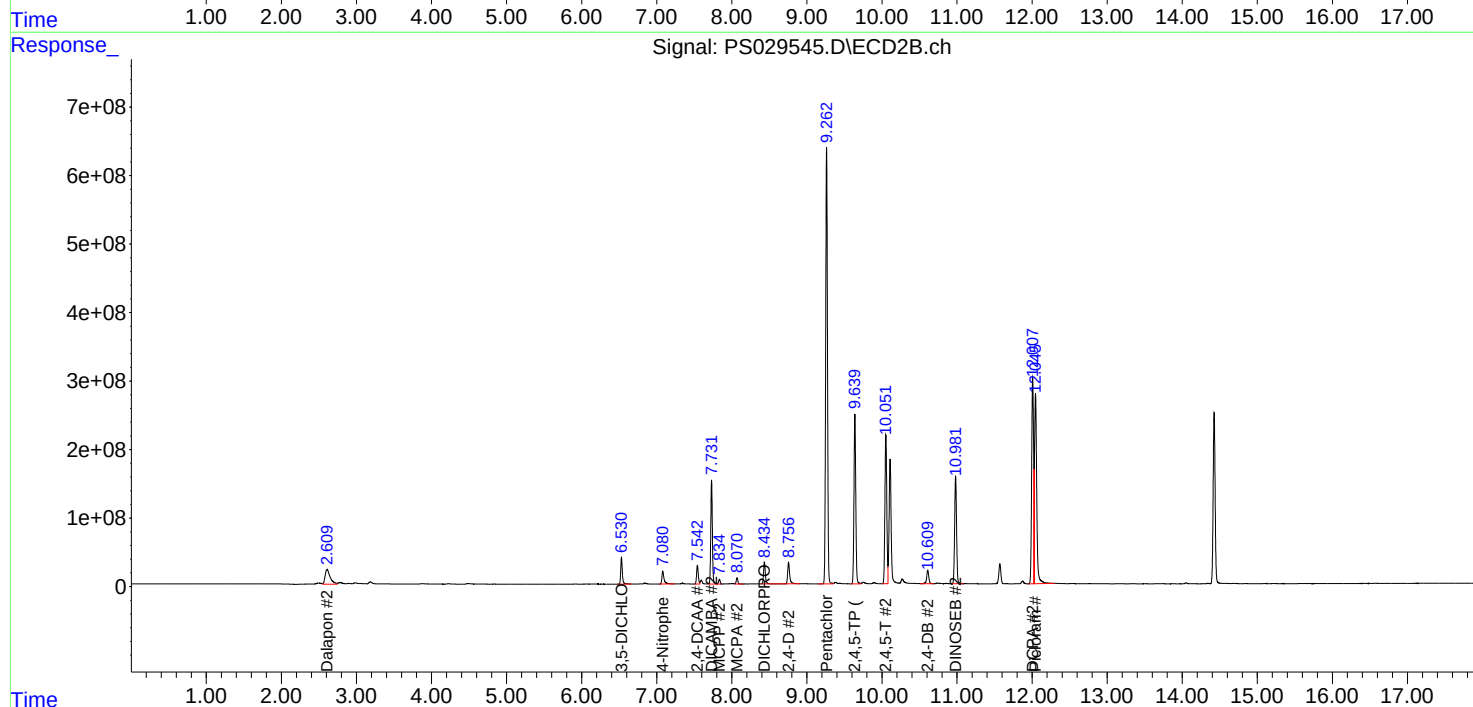
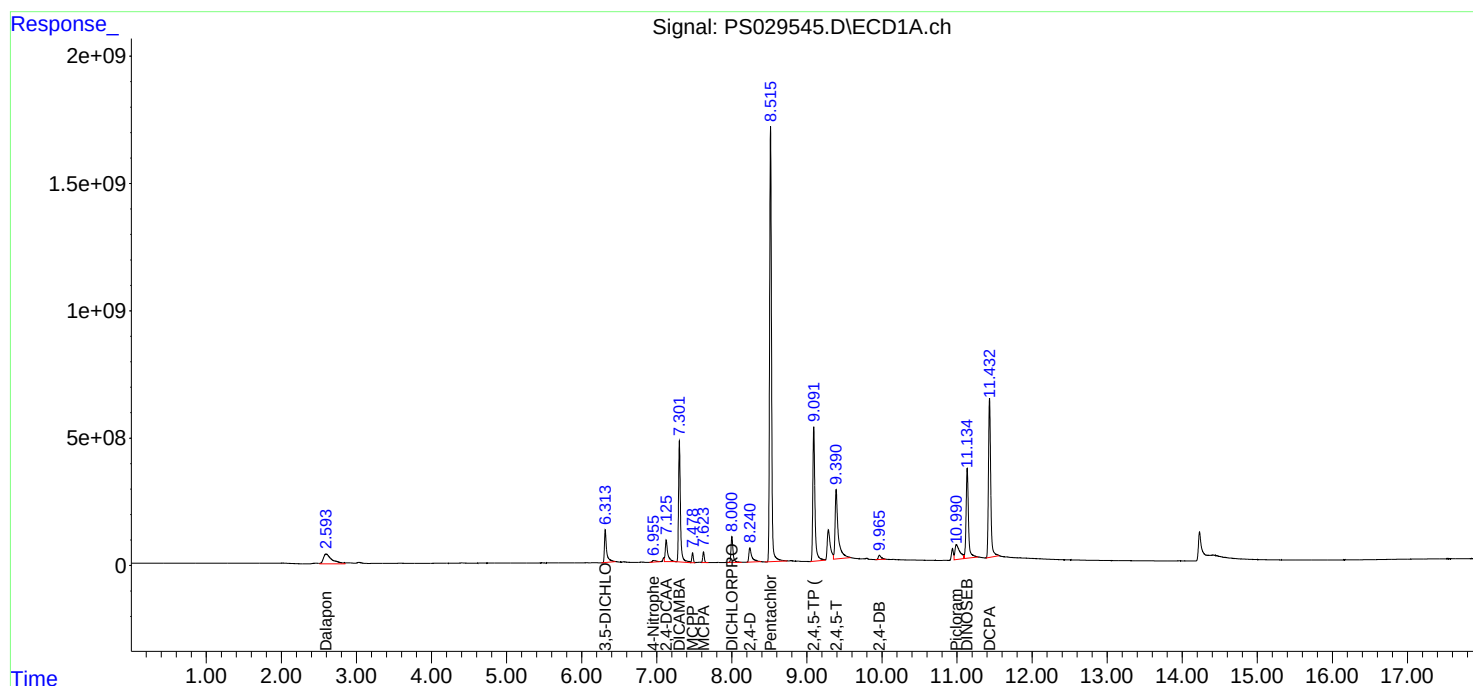
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS032725\
Data File : PS029545.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Mar 2025 13:04
Operator : AR\AJ
Sample : HSTDICC500
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 26 13:25:14 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS032625.M
Quant Title : 8080.M
QLast Update : Wed Mar 26 04:43:02 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS032725\
 Data File : PS029546.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 26 Mar 2025 13:28
 Operator : AR\AJ
 Sample : HSTDICC750
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 HSTDICC750

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Mar 26 13:50:35 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS032625.M
 Quant Title : 8080.M
 QLast Update : Wed Mar 26 13:50:19 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
4) S	2,4-DCAA	7.121	7.542	3140.5E6	710.6E6	750.000	750.000
Target Compounds							
1) T	Dalapon	2.595	2.610	4709.4E6	1582.6E6	682.500	682.500
2) T	3,5-DICHL...	6.310	6.530	4254.8E6	979.9E6	697.500	697.500
3) T	4-Nitroph...	6.937	7.079	579.2E6	625.0E6	682.500	682.500
5) T	DICAMBA	7.300	7.731	13424.4E6	3835.5E6	705.000	705.000
6) T	MCPD	7.478	7.837	930.1E6	174.8E6	70.500	70.500
7) T	MCPA	7.624	8.073	1101.6E6	225.9E6	69.750	69.750
8) T	DICHLORPROP	7.996	8.433	3079.0E6	883.6E6	705.000	705.000
9) T	2,4-D	8.231	8.754	2757.5E6	979.5E6	705.000	705.000
10) T	Pentachlo...	8.518	9.262	44556.0E6	17719.7E6	712.500	712.500
11) T	2,4,5-TP ...	9.088	9.639	17346.9E6	6921.4E6	712.500	712.500
12) T	2,4,5-T	9.382	10.050	14551.5E6	6381.0E6	712.500	712.500
13) T	2,4-DB	9.953	10.609	1049.1E6	653.8E6	712.500	712.500
14) T	DINOSEB	11.132	10.981	12832.2E6	4649.6E6	705.000	705.000
15) T	Picloram	10.967	12.043	8459.4E6	10165.2E6	712.500	712.500
16) T	DCPA	11.429	12.008	21451.3E6	9074.4E6	720.000	720.000

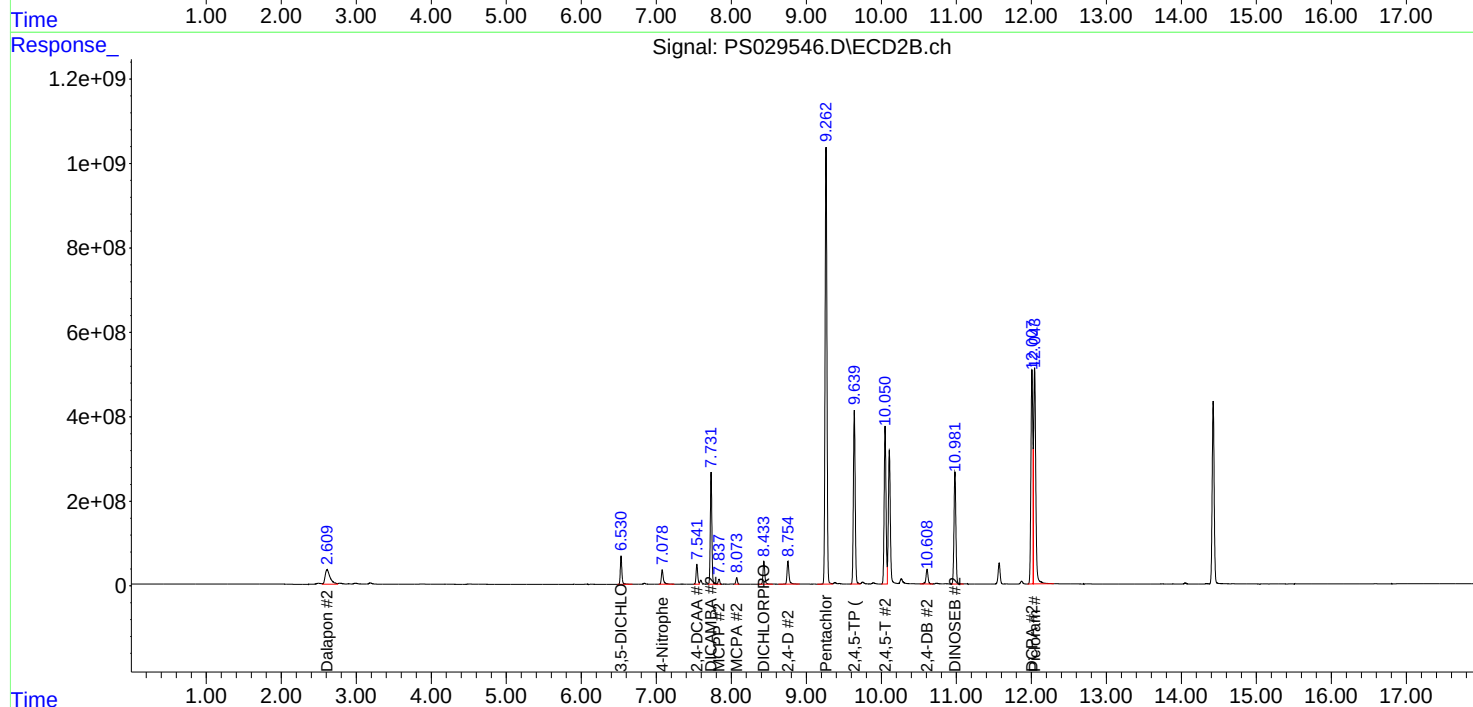
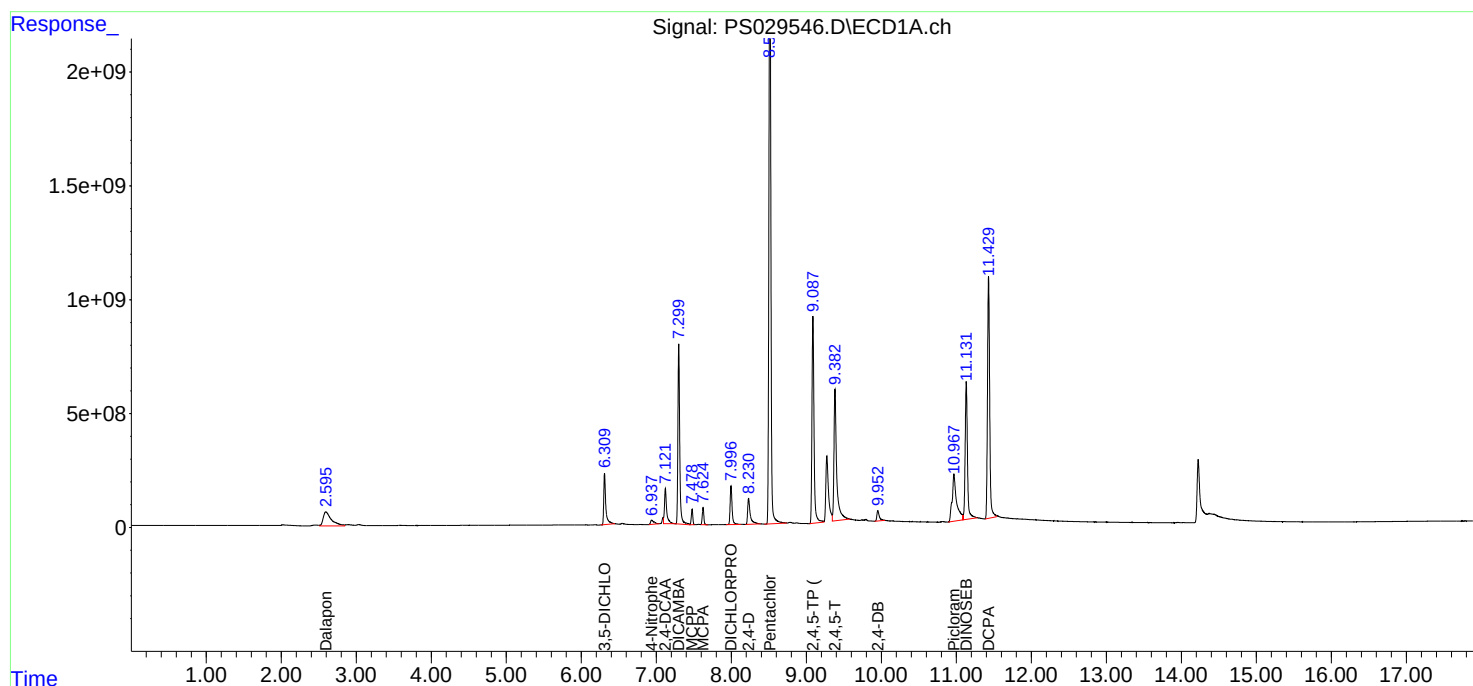
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS032725\
Data File : PS029546.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Mar 2025 13:28
Operator : AR\AJ
Sample : HSTDICC750
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 26 13:50:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS032625.M
Quant Title : 8080.M
QLast Update : Wed Mar 26 13:50:19 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS032725\
 Data File : PS029547.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 26 Mar 2025 13:52
 Operator : AR\AJ
 Sample : HSTDICC1000
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 HSTDICC1000

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Mar 26 14:22:29 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS032625.M
 Quant Title : 8080.M
 QLast Update : Wed Mar 26 04:43:02 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
4) S	2,4-DCAA	7.120	7.542	4381.1E6	1008.6E6	1133.661	1192.484
Target Compounds							
1) T	Dalapon	2.596	2.612	6523.8E6	2230.0E6	1157.436	1113.155
2) T	3,5-DICHL...	6.309	6.530	5957.9E6	1385.9E6	1104.856	1114.935
3) T	4-Nitroph...	6.930	7.078	947.6E6	890.6E6	1064.434	1092.299
5) T	DICAMBA	7.299	7.731	18578.4E6	5519.3E6	1253.525	1183.915
6) T	MCPD	7.481	7.840	1385.3E6	253.5E6	129.393	130.228
7) T	MCPA	7.628	8.077	1649.0E6	326.6E6	121.246	117.388
8) T	DICHLORPROP	7.996	8.434	4293.8E6	1245.1E6	950.555	970.978
9) T	2,4-D	8.228	8.754	4038.6E6	1384.6E6	1084.675	948.496
10) T	Pentachlo...	8.522	9.263	51605.9E6	24552.3E6	839.299	1119.348 #
11) T	2,4,5-TP ...	9.086	9.639	24182.6E6	9760.6E6	1092.423	1104.539
12) T	2,4,5-T	9.379	10.050	21418.0E6	9045.9E6	1258.686	1193.309
13) T	2,4-DB	9.950	10.609	1822.5E6	937.2E6	1418.223	1173.323
14) T	DINOSEB	11.131	10.981	18161.7E6	6646.7E6	1110.534	1108.273
15) T	Picloram	10.960	12.043	14208.1E6	14702.8E6	1546.022	1217.219
16) T	DCPA	11.428	12.008	29739.8E6	12827.0E6	1142.220	1164.572

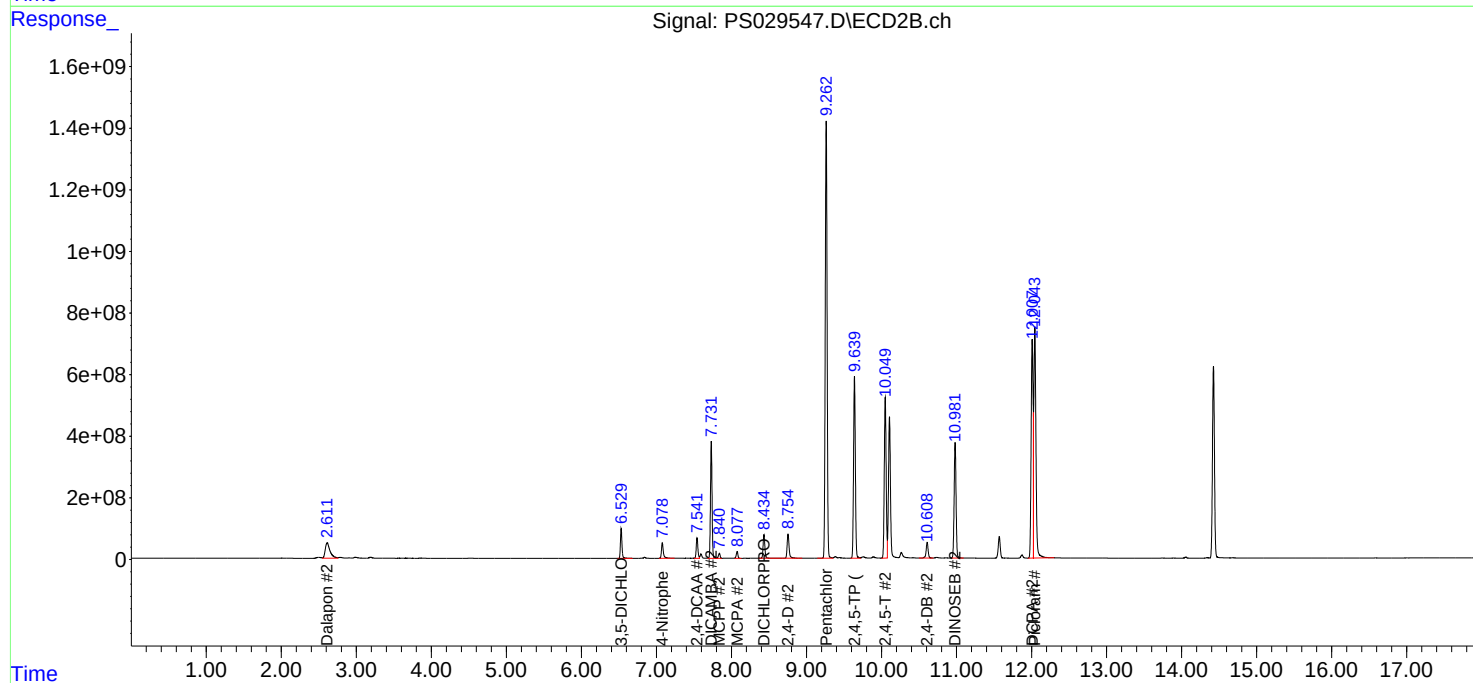
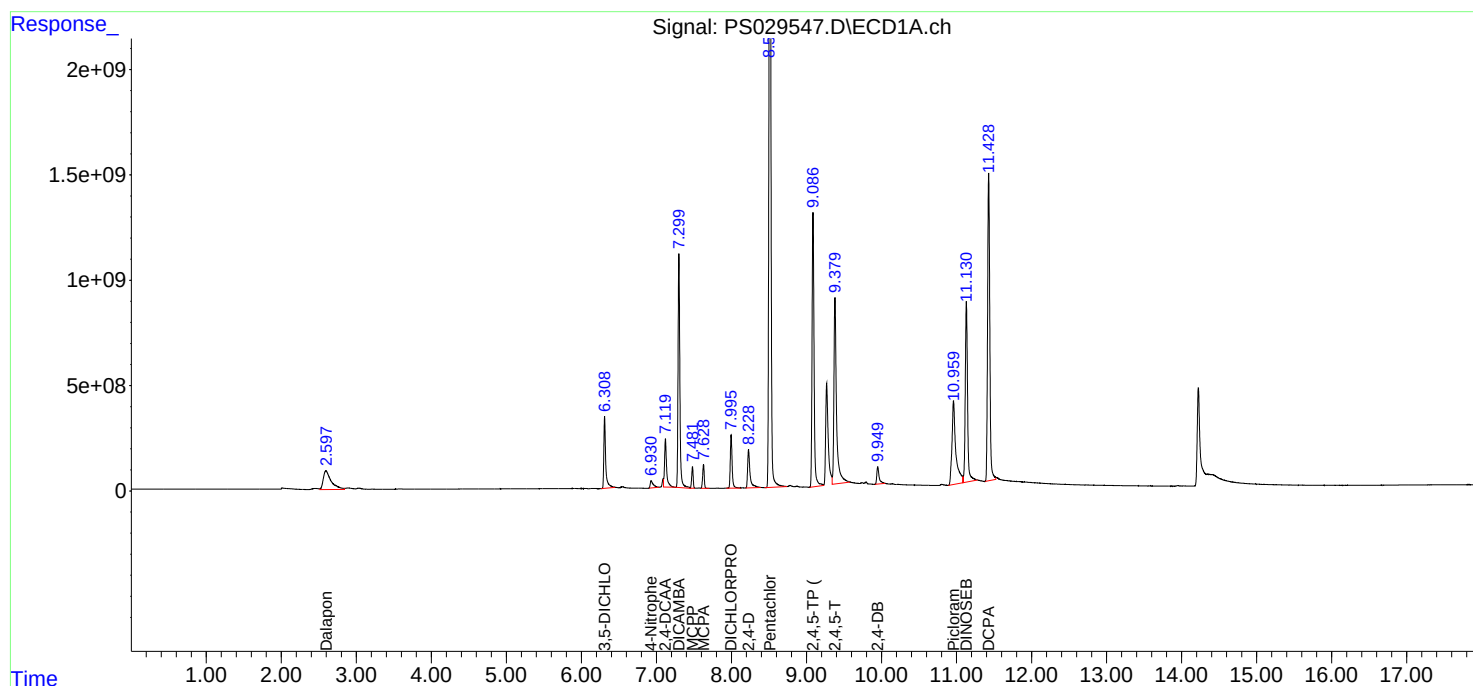
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS032725\
Data File : PS029547.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Mar 2025 13:52
Operator : AR\AJ
Sample : HSTDICC1000
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 26 14:22:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS032625.M
Quant Title : 8080.M
QLast Update : Wed Mar 26 04:43:02 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS032725\
 Data File : PS029548.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 26 Mar 2025 14:16
 Operator : AR\AJ
 Sample : HSTDICC1500
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 HSTDICC1500

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Mar 26 14:55:34 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS032625.M
 Quant Title : 8080.M
 QLast Update : Wed Mar 26 13:51:08 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
4) S	2,4-DCAA	7.119	7.542	6044.6E6	1415.7E6	1458.113	1510.089
Target Compounds							
1) T	Dalapon	2.594	2.610	8920.3E6	3129.5E6	1290.533	1342.081
2) T	3,5-DICHL...	6.308	6.530	8198.9E6	1923.7E6	1360.782	1388.603
3) T	4-Nitroph...	6.925	7.078	1394.6E6	1246.9E6	1753.320	1373.004
5) T	DICAMBA	7.299	7.732	25151.2E6	7787.5E6	1330.833	1454.037
6) T	MCPD	7.485	7.844	2002.3E6	360.3E6	154.428	147.150
7) T	MCPA	7.633	8.081	2397.8E6	467.6E6	154.459	145.008
8) T	DICHLORPROP	7.996	8.434	5914.4E6	1738.3E6	1365.327	1402.015
9) T	2,4-D	8.227	8.755	5523.0E6	1922.5E6	1431.630	1398.139
10) T	Pentachlo...	8.525	9.263	57145.1E6	33220.4E6	948.263	1357.703 #
11) T	2,4,5-TP ...	9.087	9.640	32678.1E6	13496.3E6	1364.225	1411.177
12) T	2,4,5-T	9.377	10.050	30487.9E6	12598.9E6	1538.695	1428.702
13) T	2,4-DB	9.947	10.609	3125.3E6	1331.0E6	2170.750	1470.535 #
14) T	DINOSEB	11.132	10.982	25050.9E6	9254.6E6	1391.442	1416.515
15) T	Picloram	10.955	12.043	23571.5E6	20817.3E6	2184.182	1495.112 #
16) T	DCPA	11.429	12.009	40409.4E6	17607.9E6	1377.775	1414.287

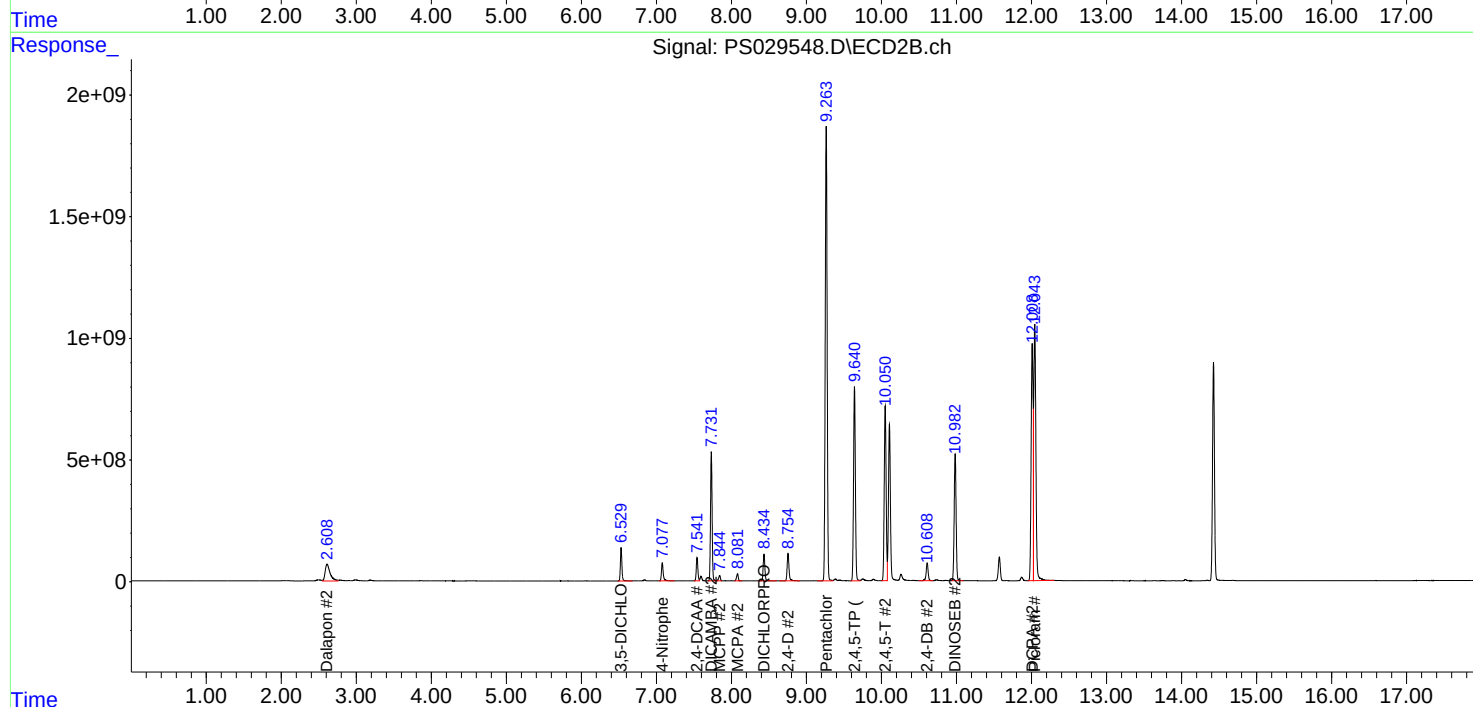
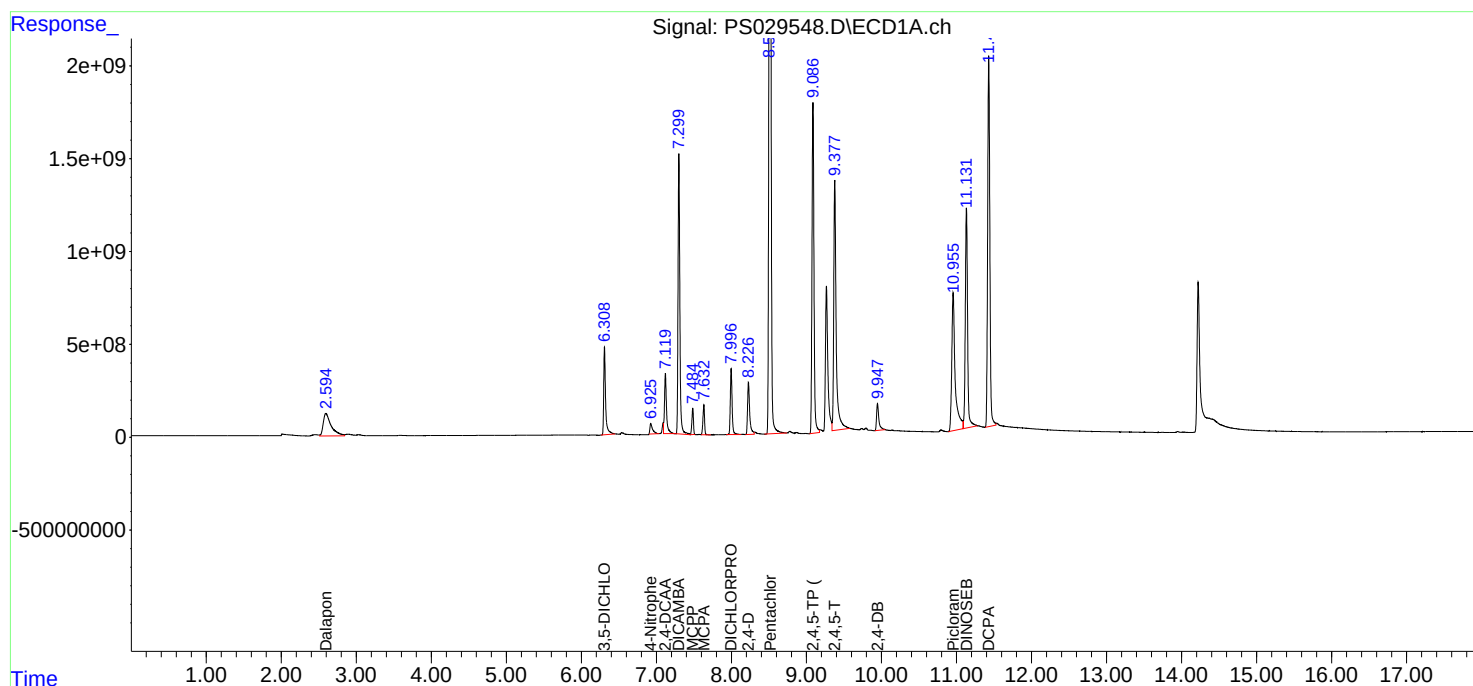
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS032725\
Data File : PS029548.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Mar 2025 14:16
Operator : AR\AJ
Sample : HSTDICC1500
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 26 14:55:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS032625.M
Quant Title : 8080.M
QLast Update : Wed Mar 26 13:51:08 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS032725\
 Data File : PS029549.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 26 Mar 2025 15:28
 Operator : AR\AJ
 Sample : HSTDICC200
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 HSTDICC200

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Mar 26 15:46:26 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS032625.M
 Quant Title : 8080.M
 QLast Update : Wed Mar 26 13:51:08 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
4) S	2,4-DCAA	7.128	7.544	856.2E6	189.7E6	207.987	202.037
Target Compounds							
1) T	Dalapon	2.592	2.609	1098.8E6	453.7E6	161.160	195.404
2) T	3,5-DICHL...	6.317	6.533	1145.4E6	260.6E6	191.269	188.359
3) T	4-Nitroph...	6.917	7.086	2352535	166.1E6	2.761	182.631 #
5) T	DICAMBA	7.302	7.732	3822.3E6	930.0E6	205.130	172.294
6) T	MCPD	7.475	7.832	185.8E6	38771835	13.993	15.664
7) T	MCPA	7.620	8.068	219.6E6	52163742	13.776	16.018
8) T	DICHLORPROP	8.001	8.435	887.1E6	241.1E6	206.430	194.750
9) T	2,4-D	8.248	8.759	672.8E6	268.7E6	173.742	195.842
10) T	Pentachlo...	8.514	9.262	13585.4E6	4534.1E6	246.012	187.520
11) T	2,4,5-TP ...	9.092	9.640	4700.2E6	1732.7E6	198.337	181.618
12) T	2,4,5-T	9.395	10.052	3354.4E6	1572.3E6	165.983	178.181
13) T	2,4-DB	9.975	10.612	158.0E6	165.5E6	97.064	181.411 #
14) T	DINOSEB	11.133	10.982	3426.1E6	1154.2E6	190.929	176.458
15) T	Picloram	10.937f	12.048	381.0E6	2330.6E6	31.152	165.352 #
16) T	DCPA	11.430	12.007	6045.6E6	2273.8E6	208.377	183.453

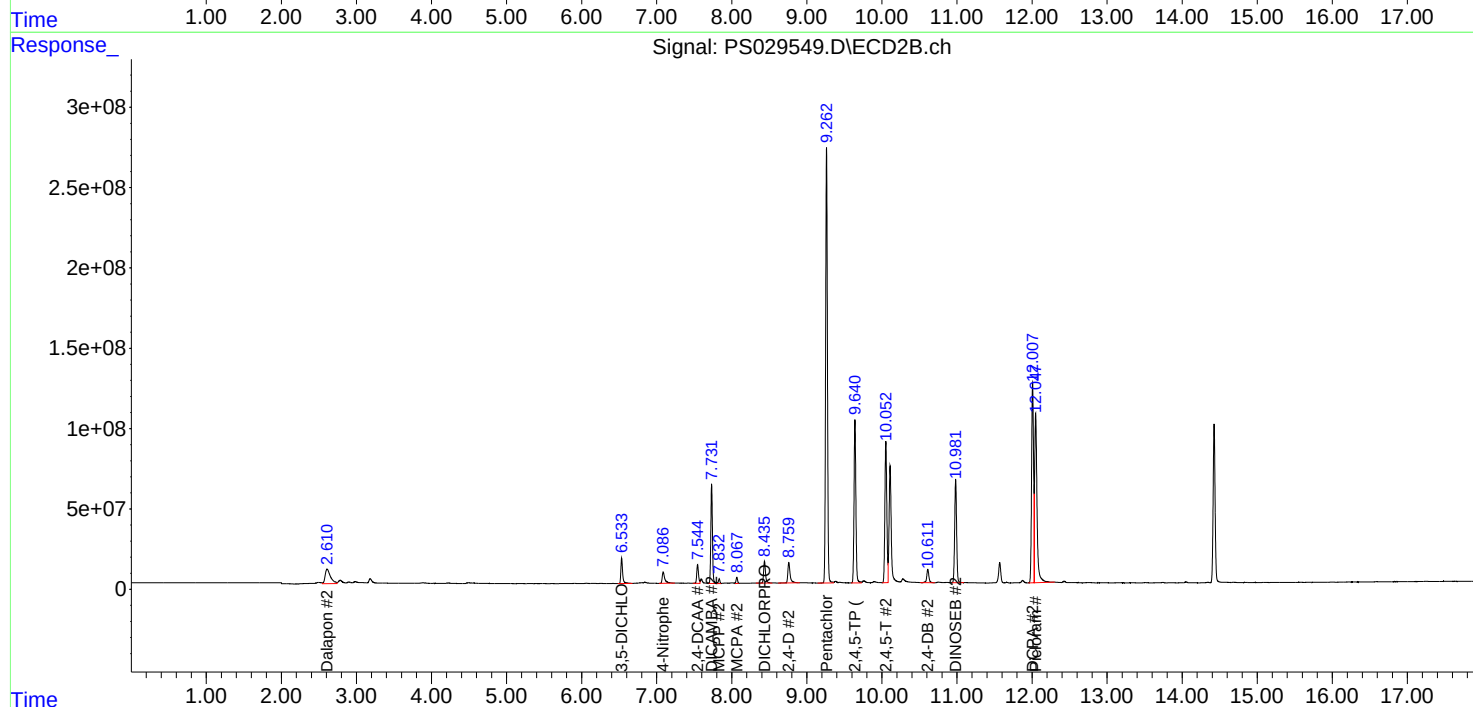
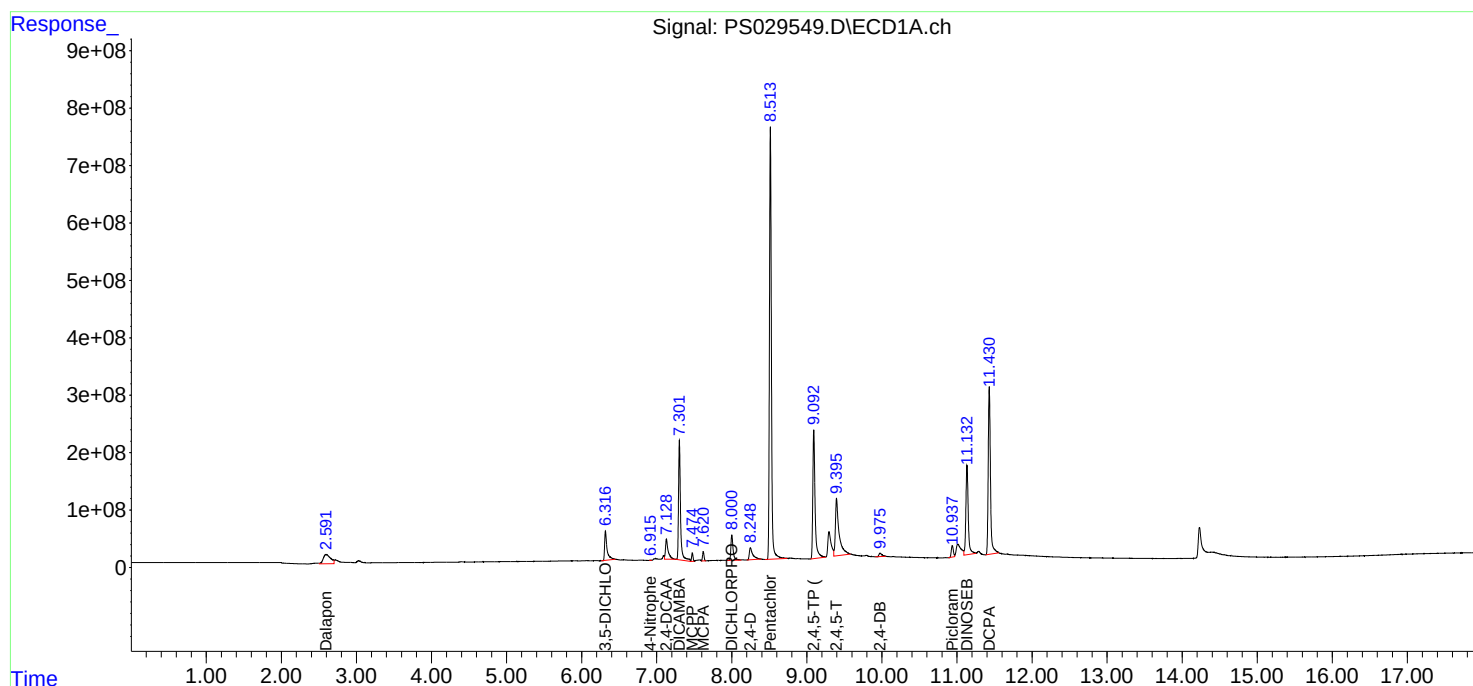
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS032725\
Data File : PS029549.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Mar 2025 15:28
Operator : AR\AJ
Sample : HSTDICC200
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDICC200

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 26 15:46:26 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS032625.M
Quant Title : 8080.M
QLast Update : Wed Mar 26 13:51:08 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS032725\
 Data File : PS029550.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 26 Mar 2025 16:06
 Operator : AR\AJ
 Sample : HSTDICV750
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 ICVPS032725

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Mar 26 16:25:48 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS032625.M
 Quant Title : 8080.M
 QLast Update : Wed Mar 26 16:20:53 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
4) S	2,4-DCAA	7.122	7.538	3277.1E6	729.5E6	789.773	775.226
Target Compounds							
1) T	Dalapon	2.595	2.605	4937.2E6	1661.2E6	741.128	705.014
2) T	3,5-DICHL...	6.310	6.526	4403.7E6	1016.0E6	731.251	732.394
3) T	4-Nitroph...	6.934	7.075	713.4E6	631.5E6	1042.683	693.824 #
5) T	DICAMBA	7.301	7.727	13863.6E6	3897.1E6	730.695	734.276
6) T	MCPD	7.480	7.833	967.3E6	180.1E6	76.793	75.284
7) T	MCPA	7.627	8.070	1164.3E6	231.5E6	77.041	73.123
8) T	DICHLORPROP	7.998	8.430	3155.8E6	907.0E6	720.200	727.309
9) T	2,4-D	8.231	8.750	2997.1E6	1003.9E6	785.849	725.605
10) T	Pentachlo...	8.520	9.259	45392.0E6	18160.6E6	776.216	753.050
11) T	2,4,5-TP ...	9.089	9.635	18183.1E6	7107.6E6	760.602	751.611
12) T	2,4,5-T	9.383	10.046	16132.1E6	6557.4E6	818.954	752.477
13) T	2,4-DB	9.953	10.605	1302.2E6	670.3E6	886.547	741.427
14) T	DINOSEB	11.134	10.977	13313.4E6	4745.0E6	739.625	734.445
15) T	Picloram	10.966	12.041	10723.6E6	10570.5E6	1052.941	769.929 #
16) T	DCPA	11.432	12.004	22963.4E6	9420.7E6	778.220	766.903

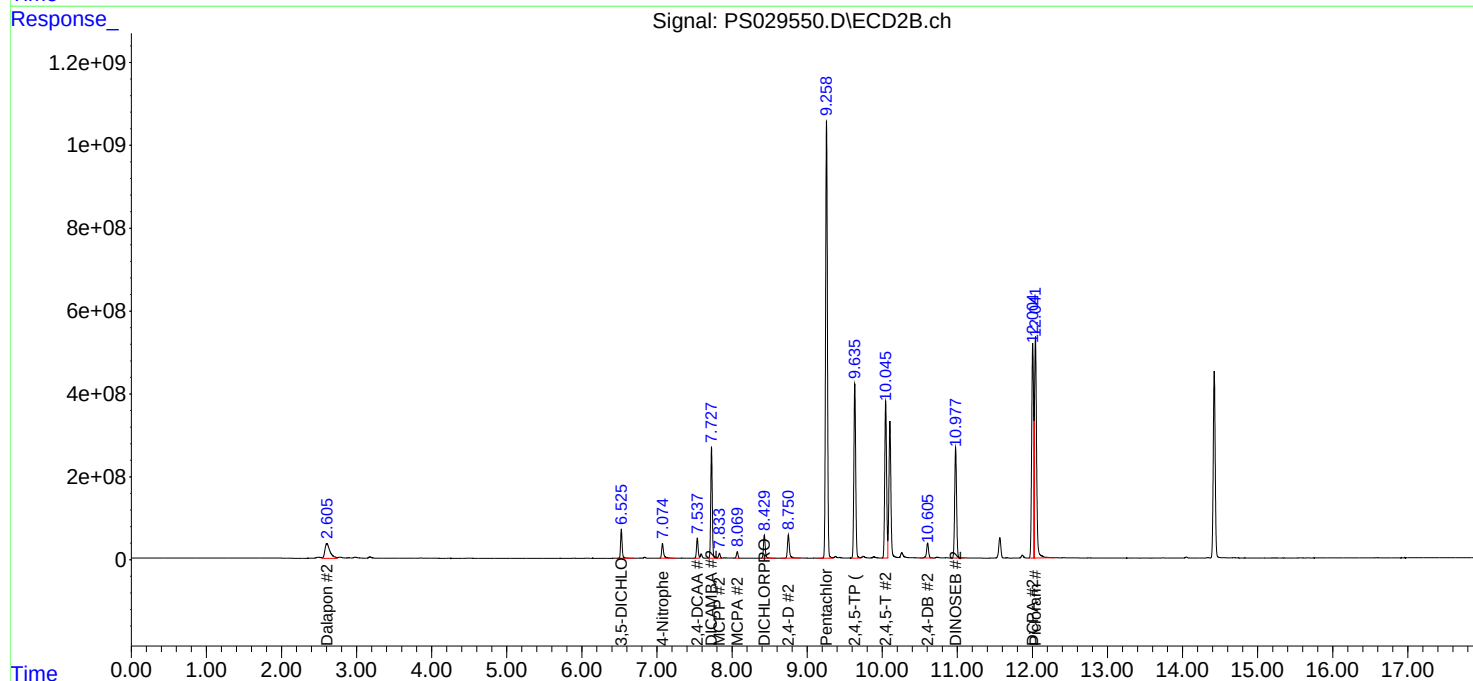
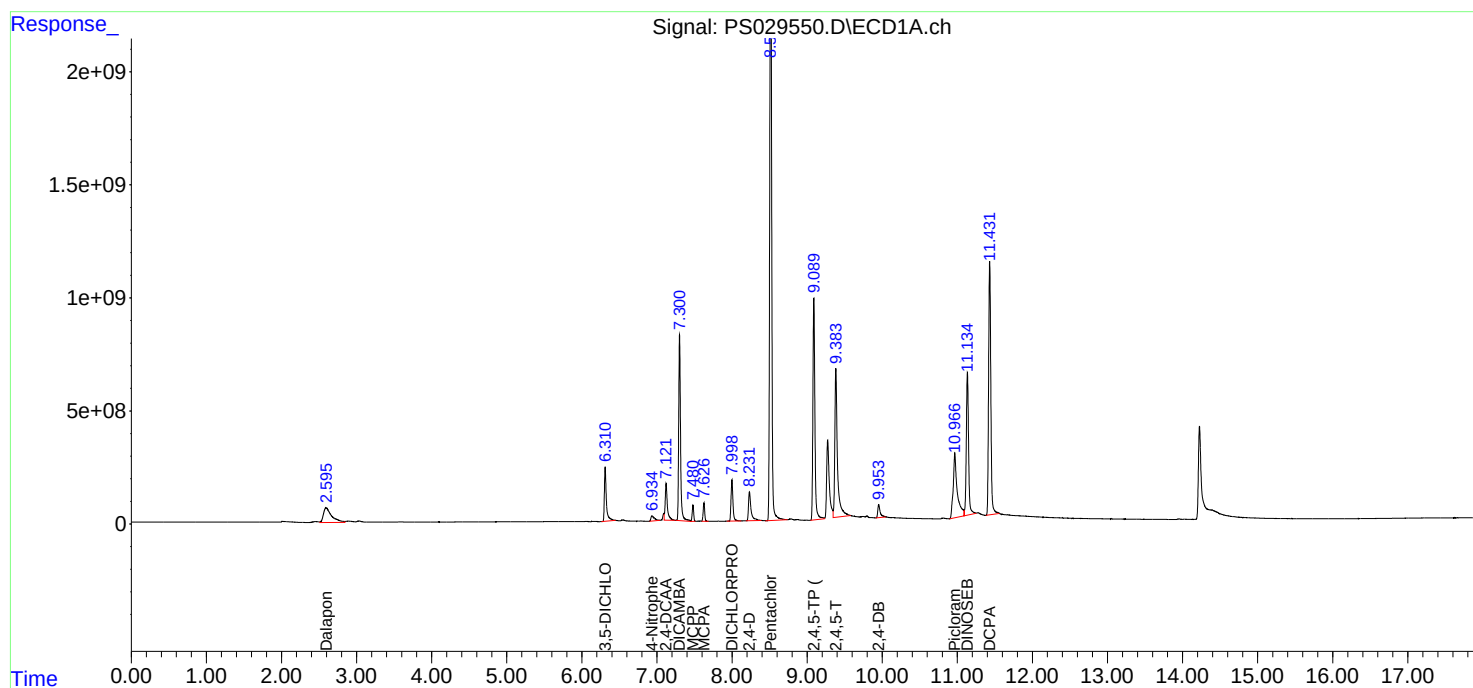
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS032725\
Data File : PS029550.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Mar 2025 16:06
Operator : AR\AJ
Sample : HSTDICV750
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
ICVPS032725

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 26 16:25:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS032625.M
Quant Title : 8080.M
QLast Update : Wed Mar 26 16:20:53 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



Calibration Times: **10:13** **11:49**

LAB FILE ID:	RT 200 =	<u>PS029558.D</u>	RT 500 =	<u>PS029559.D</u>
	RT 750 =	PS029560.D	RT 1000 =	PS029561.D
			RT 1500 =	PS029562.D

[illegible]

RETENTION TIMES OF INITIAL CALIBRATION

Lab Name:	<u>Alliance</u>	Contract:	<u>WALS01</u>
Lab Code:	<u>ACE</u>	SDG NO.:	<u>Q1626</u>
Instrument ID:	<u>ECD_S</u>	Calibration Date(s):	<u>03/27/2025</u> <u>03/27/2025</u>
		Calibration Times:	<u>10:13</u> <u>11:49</u>

 GC Column: RTX-CLP2 ID: 0.32 (mm)

LAB FILE ID:	RT 200 = <u>PS029558.D</u>	RT 500 = <u>PS029559.D</u>
RT 750 = <u>PS029560.D</u>	RT 1000 = <u>PS029561.D</u>	RT 1500 = <u>PS029562.D</u>

COMPOUND	RT 200	RT 500	RT 750	RT 1000	RT 1500	MEAN RT	RT WINDOW	
							FROM	TO
2,4,5-T	10.04	10.04	10.04	10.04	10.04	10.04	9.94	10.14
2,4,5-TP(Silvex)	9.63	9.63	9.63	9.63	9.63	9.63	9.53	9.73
2,4-D	8.75	8.75	8.75	8.75	8.75	8.75	8.65	8.85
2,4-DB	10.60	10.60	10.60	10.60	10.60	10.60	10.50	10.70
2,4-DCAA	7.54	7.54	7.54	7.54	7.54	7.54	7.44	7.64
DICAMBA	7.73	7.73	7.73	7.73	7.73	7.73	7.63	7.83
DICHLORPROP	8.43	8.43	8.43	8.43	8.43	8.43	8.33	8.53
Dinoseb	10.97	10.98	10.97	10.97	10.97	10.97	10.87	11.07



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

CALIBRATION FACTOR OF INITIAL CALIBRATION

Lab Name: Alliance

Contract: WALS01

Lab Code: ACE

SDG NO.: Q1626

Instrument ID: ECD_S

Calibration Date(s): 03/27/2025 03/27/2025

Calibration Times: 10:13 11:49

GC Column: RTX-CLP

ID: 0.32 (mm)

LAB FILE ID:		CF 200 =	<u>PS029558.D</u>	CF 500 =	<u>PS029559.D</u>		
CF 750 =		<u>PS029560.D</u>	CF 1000 =	<u>PS029561.D</u>	CF 1500 =	<u>PS029562.D</u>	
COMPOUND	CF 200	CF 500	CF 750	CF 1000	CF 1500	CF	% RSD
2,4,5-T	20641100000	20825700000	20953500000	20759500000	19811600000	20598300000	2
2,4,5-TP(Silvex)	25670900000	23785800000	23109900000	22602700000	21306000000	23295100000	7
2,4-D	4188820000	4008980000	4020660000	4027260000	3923150000	4033770000	2
2,4-DB	1544000000	1807540000	2002780000	2063720000	2128710000	1909350000	12
2,4-DCAA	4381510000	3897780000	3741570000	3660350000	3519270000	3840100000	9
DICAMBA	17483500000	16428000000	15507600000	15270500000	14574900000	15852900000	7
DICHLORPROP	5020950000	4424820000	4277510000	4210740000	4025870000	4391980000	9
Dinoseb	19624900000	18040900000	17496700000	17166100000	16322000000	17730100000	7



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

CALIBRATION FACTOR OF INITIAL CALIBRATION

Lab Name: Alliance
Lab Code: ACE
Instrument ID: ECD_S

Contract: WALS01
SDG NO.: Q1626

Calibration Date(s): 03/27/2025 03/27/2025
Calibration Times: 10:13 11:49

GC Column: RTX-CLP2 ID: 0.32 (mm)

LAB FILE ID:		CF 200 =	<u>PS029558.D</u>	CF 500 =	<u>PS029559.D</u>		
CF 750 =		<u>PS029560.D</u>	CF 1000 =	<u>PS029561.D</u>	CF 1500 =	<u>PS029562.D</u>	
COMPOUND	CF 200	CF 500	CF 750	CF 1000	CF 1500	CF	% RSD
2,4,5-T	8009830000	7969600000	8019010000	8021080000	7833790000	7970660000	1
2,4,5-TP(Silvex)	8920000000	8845090000	8871870000	8871810000	8614920000	8824740000	1
2,4-D	1444300000	1372750000	1351390000	1345360000	1316110000	1365980000	4
2,4-DB	1100570000	9100590000	8764160000	8559090000	8518230000	9189550000	11
2,4-DCAA	9248460000	8631700000	8480410000	8485080000	8319180000	8632970000	4
DICAMBA	4689370000	4710340000	4803280000	4868710000	4832100000	4780760000	2
DICHLORPROP	1379810000	1241290000	1208260000	1213250000	1185390000	1245600000	6
Dinoseb	6052370000	5901970000	5919400000	5933710000	5832030000	5927900000	1

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS032825\
 Data File : PS029558.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 27 Mar 2025 10:13
 Operator : AR\AJ
 Sample : HSTDICC200
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 HSTDICC200

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Mar 27 12:21:43 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS032825.M
 Quant Title : 8080.M
 QLast Update : Thu Mar 27 12:21:09 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
4) S	2,4-DCAA	7.118	7.538	876.3E6	185.0E6	234.207	218.114
Target Compounds							
1) T	Dalapon	2.595	2.611	1065.7E6	425.5E6	177.476	210.501
2) T	3,5-DICHL...	6.307	6.527	1193.3E6	239.1E6	212.421	196.529
3) T	4-Nitroph...	6.942	7.078	148.0E6	153.0E6	130.543	192.486 #
5) T	DICAMBA	7.294	7.726	3286.9E6	881.6E6	211.954	183.542
6) T	MCPD	7.469	7.828	184.9E6	35780685	15.894	16.959
7) T	MCPA	7.615	8.062	237.7E6	49947037	16.239	17.281
8) T	DICHLORPROP	7.992	8.428	943.9E6	259.4E6	220.675	214.692
9) T	2,4-D	8.228	8.750	787.5E6	271.5E6	195.863	200.925
10) T	Pentachlo...	8.507	9.257	13970.3E6	4343.7E6	226.191	193.747
11) T	2,4,5-TP ...	9.082	9.634	4877.5E6	1694.8E6	211.056	191.031
12) T	2,4,5-T	9.378	10.044	3921.8E6	1521.9E6	187.167	189.783
13) T	2,4-DB	9.951	10.604	293.4E6	209.1E6	146.476	238.595 #
14) T	DINOSEB	11.126	10.974	3689.5E6	1137.8E6	210.867	192.223
15) T	Picloram	10.969	12.038	1763.6E6	2150.2E6	112.848	167.991 #
16) T	DCPA	11.424	12.000	6226.7E6	2168.1E6	217.784	191.801

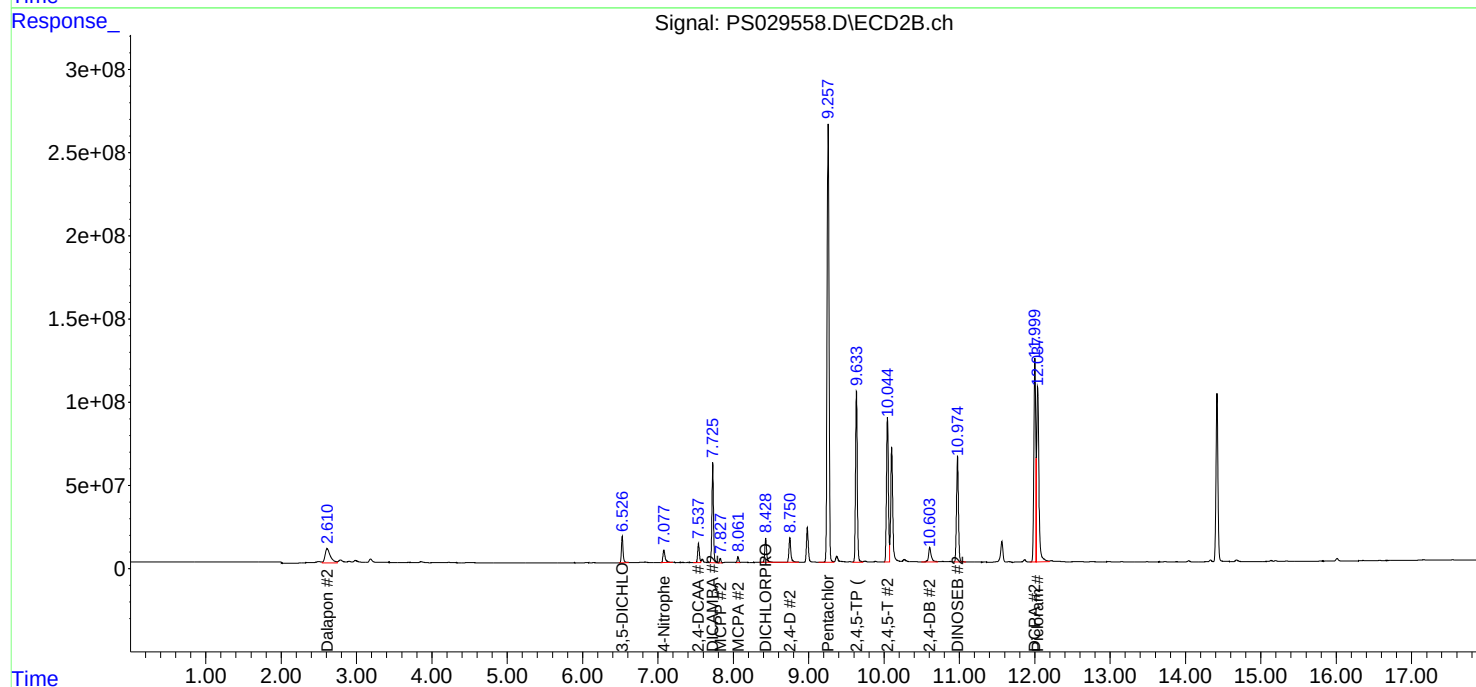
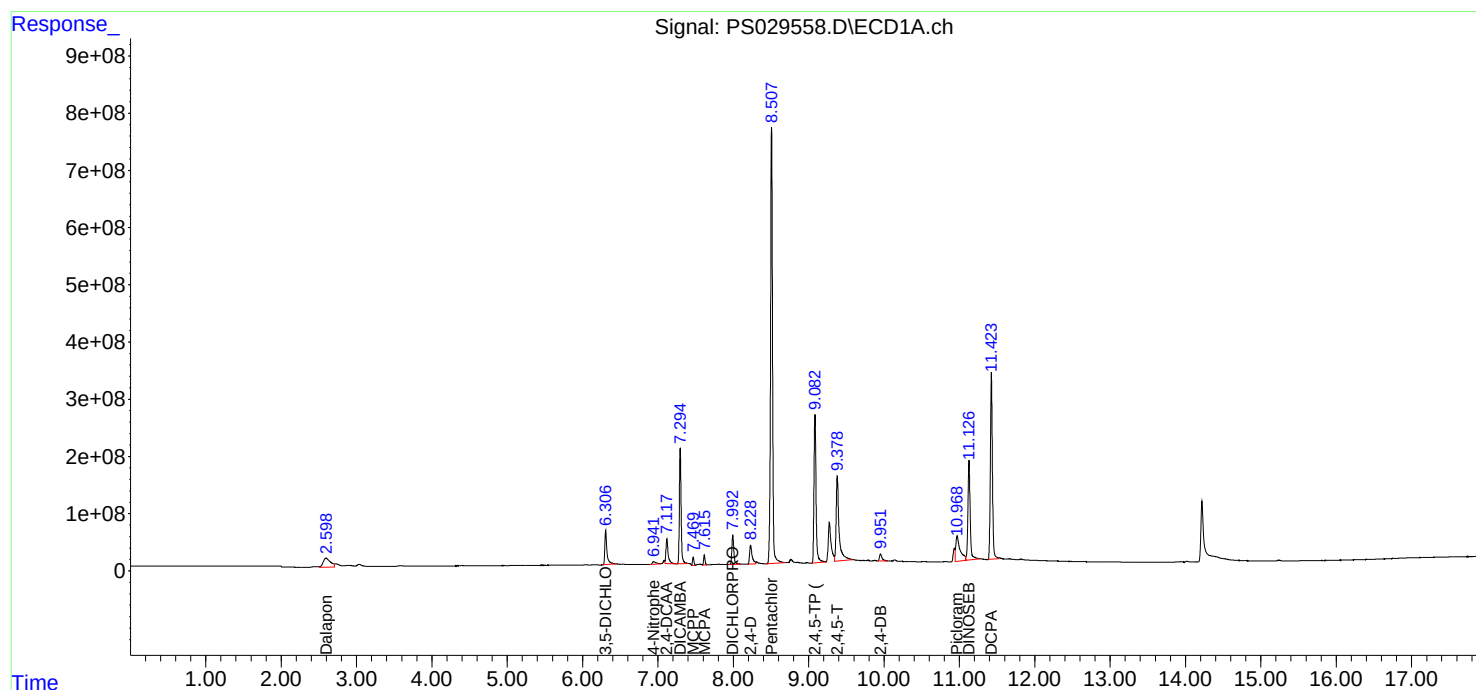
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS032825\
Data File : PS029558.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 10:13
Operator : AR\AJ
Sample : HSTDICC200
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDICC200

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 27 12:21:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS032825.M
Quant Title : 8080.M
QLast Update : Thu Mar 27 12:21:09 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x 0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS032825\
 Data File : PS029559.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 27 Mar 2025 10:37
 Operator : AR\AJ
 Sample : HSTDICC500
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 HSTDICC500

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Mar 27 11:07:35 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS032825.M
 Quant Title : 8080.M
 QLast Update : Wed Mar 26 16:20:53 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
4) S	2,4-DCAA	7.117	7.537	1948.9E6	431.6E6	469.677	458.668
Target Compounds							
1) T	Dalapon	2.595	2.610	2855.0E6	943.2E6	428.574	400.279
2) T	3,5-DICHL...	6.306	6.526	2688.4E6	581.7E6	446.414	419.280
3) T	4-Nitroph...	6.927	7.075	447.5E6	372.7E6	654.035	409.536 #
5) T	DICAMBA	7.295	7.726	7721.2E6	2213.9E6	406.952	417.128
6) T	MCPD	7.473	7.831	519.6E6	96973510	41.251	40.530
7) T	MCPA	7.619	8.066	651.4E6	134.7E6	43.102	42.555
8) T	DICHLORPROP	7.992	8.429	2079.7E6	583.4E6	474.613	467.840
9) T	2,4-D	8.224	8.749	1884.2E6	645.2E6	494.041	466.314
10) T	Pentachlo...	8.509	9.257	31680.5E6	10748.8E6	541.746	445.711
11) T	2,4,5-TP ...	9.083	9.634	11298.3E6	4201.4E6	472.608	444.291
12) T	2,4,5-T	9.375	10.044	9892.2E6	3785.6E6	502.183	434.403
13) T	2,4-DB	9.945	10.603	858.6E6	432.3E6	584.543	478.133
14) T	DINOSEB	11.127	10.975	8479.2E6	2773.9E6	471.061	429.360
15) T	Picloram	10.958	12.036	6575.2E6	5835.6E6	645.613	425.055 #
16) T	DCPA	11.424	12.001	14307.4E6	5414.4E6	484.871	440.766

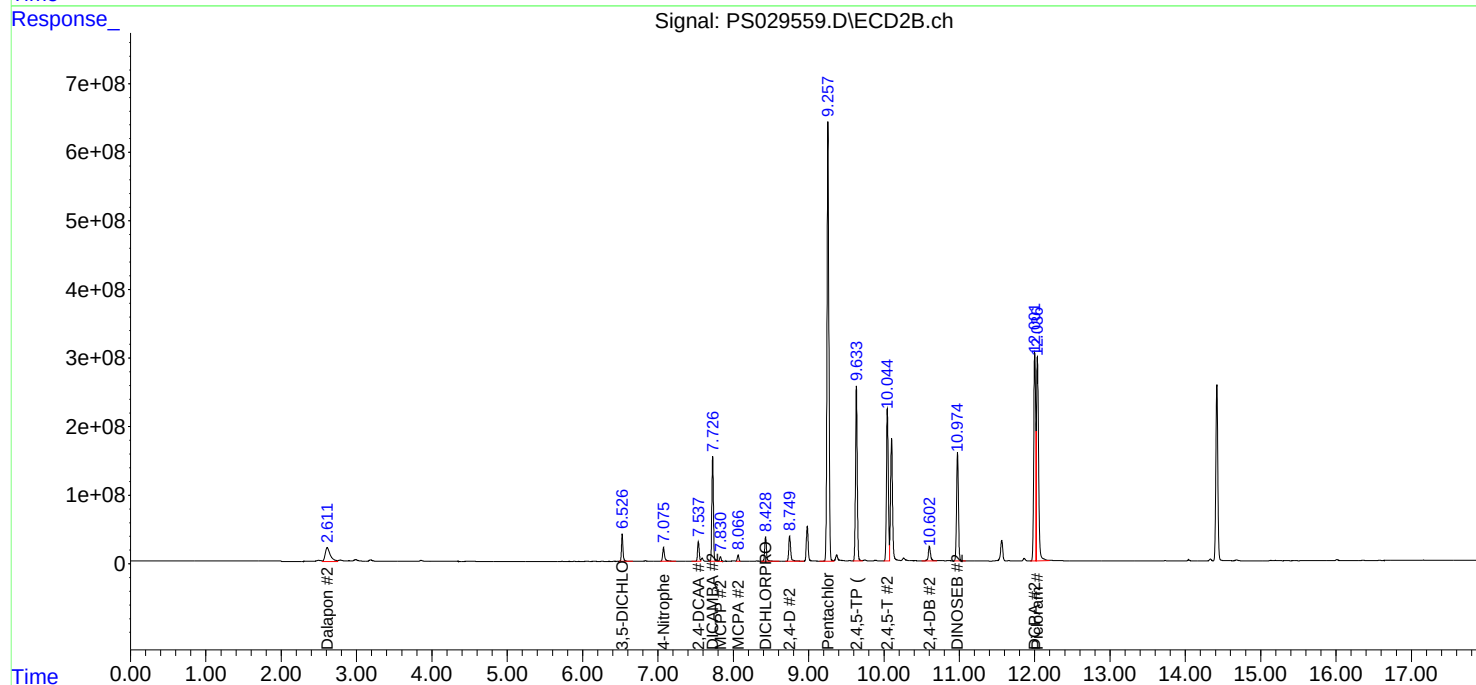
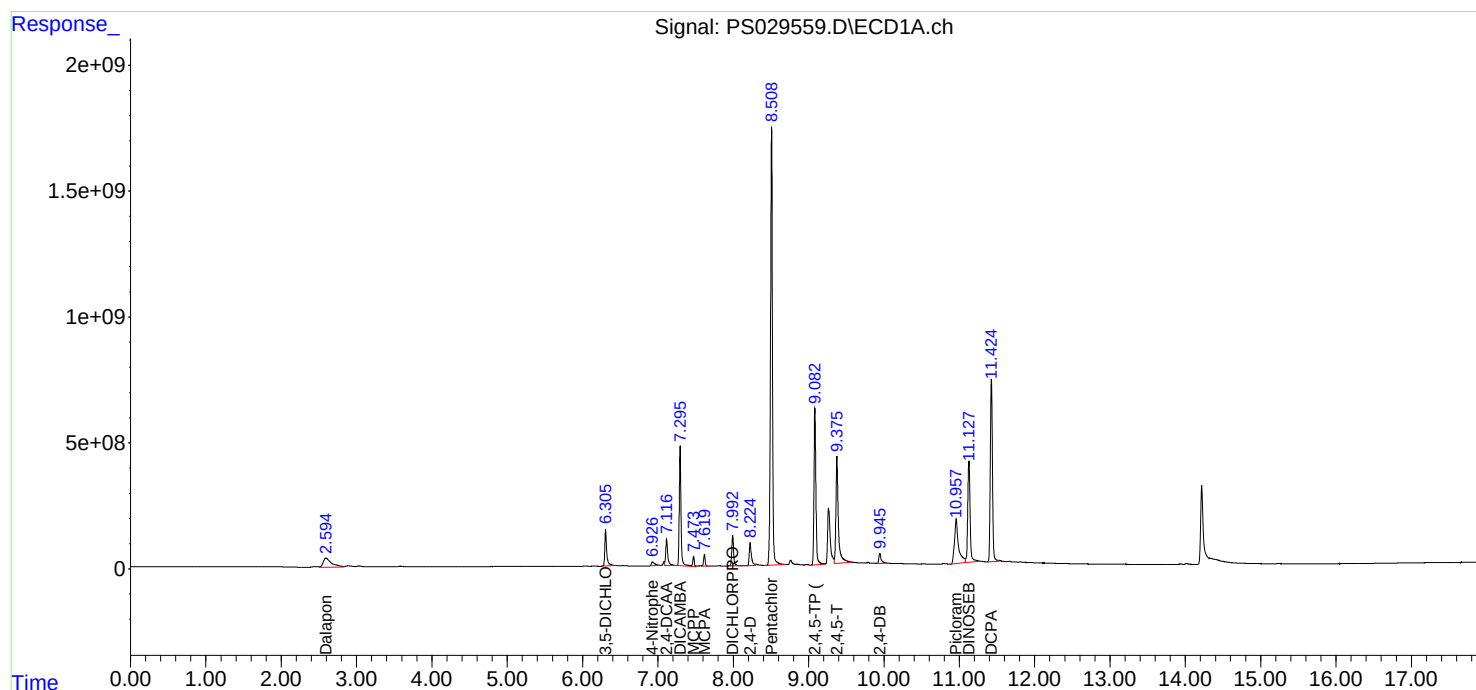
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS032825\
Data File : PS029559.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 10:37
Operator : AR\AJ
Sample : HSTDICC500
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 27 11:07:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS032825.M
Quant Title : 8080.M
QLast Update : Wed Mar 26 16:20:53 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x 0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS032825\
 Data File : PS029560.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 27 Mar 2025 11:01
 Operator : AR\AJ
 Sample : HSTDICC750
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 HSTDICC750

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Mar 27 12:20:52 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS032825.M
 Quant Title : 8080.M
 QLast Update : Thu Mar 27 12:20:40 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
4) S	2,4-DCAA	7.115	7.537	2806.2E6	636.0E6	750.000	750.000
Target Compounds							
1) T	Dalapon	2.593	2.610	4098.4E6	1379.6E6	682.500	682.500
2) T	3,5-DICHL...	6.304	6.525	3918.3E6	848.5E6	697.500	697.500
3) T	4-Nitroph...	6.921	7.073	773.8E6	542.6E6	682.500	682.500
5) T	DICAMBA	7.294	7.726	10932.8E6	3386.3E6	705.000	705.000
6) T	MCP	7.474	7.832	820.3E6	148.7E6	70.500	70.500
7) T	MCPA	7.620	8.068	1020.8E6	201.6E6	69.750	69.750
8) T	DICHLORPROP	7.991	8.428	3015.6E6	851.8E6	705.000	705.000
9) T	2,4-D	8.222	8.748	2834.6E6	952.7E6	705.000	705.000
10) T	Pentachlo...	8.511	9.257	44006.2E6	15974.1E6	712.500	712.500
11) T	2,4,5-TP ...	9.082	9.634	16465.8E6	6321.2E6	712.500	712.500
12) T	2,4,5-T	9.373	10.043	14929.4E6	5713.5E6	712.500	712.500
13) T	2,4-DB	9.943	10.602	1427.0E6	624.4E6	712.500	712.500
14) T	DINOSEB	11.126	10.974	12335.2E6	4173.2E6	705.000	705.000
15) T	Picloram	10.951	12.035	11134.9E6	9119.6E6	712.500	712.500
16) T	DCPA	11.424	12.001	20585.5E6	8138.9E6	720.000	720.000

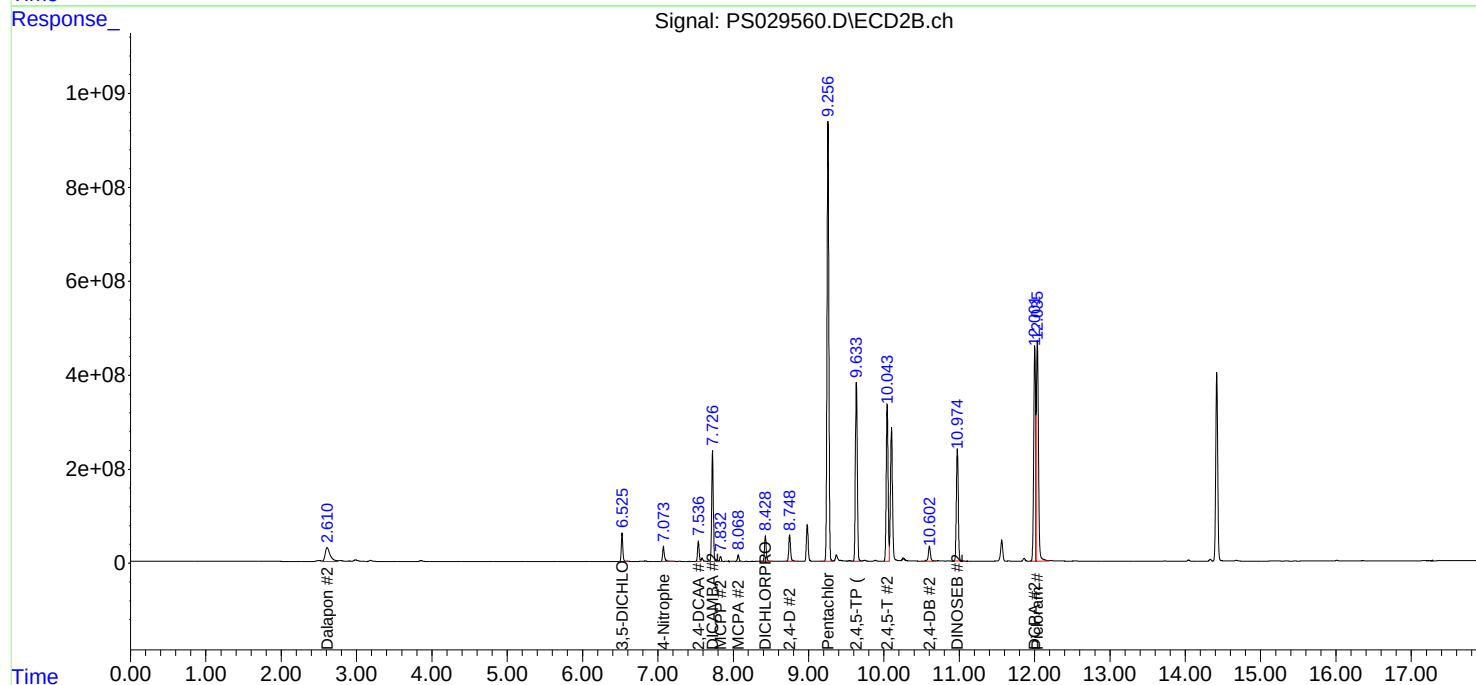
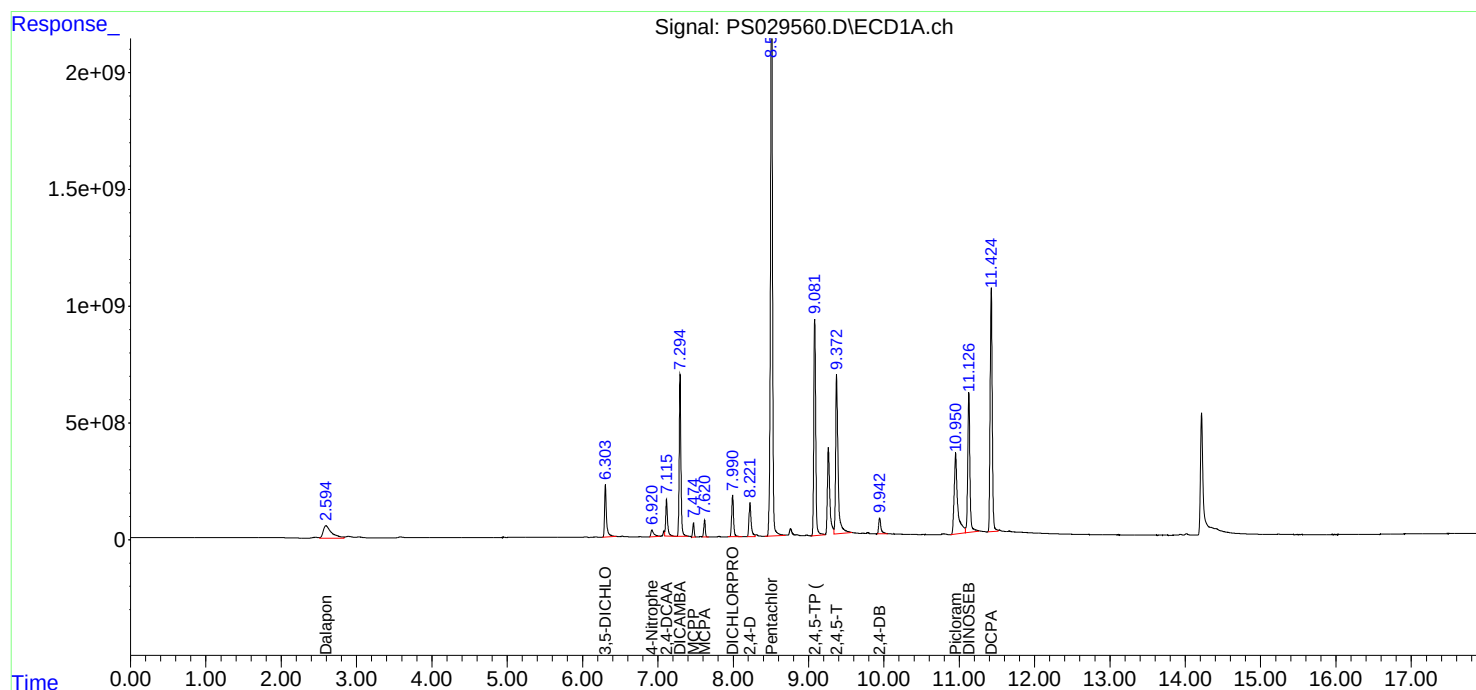
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS032825\
Data File : PS029560.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 11:01
Operator : AR\AJ
Sample : HSTDICC750
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 27 12:20:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS032825.M
Quant Title : 8080.M
QLast Update : Thu Mar 27 12:20:40 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x 0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS032825\
 Data File : PS029561.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 27 Mar 2025 11:25
 Operator : AR\AJ
 Sample : HSTDICC1000
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 HSTDICC1000

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Mar 27 12:23:12 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS032825.M
 Quant Title : 8080.M
 QLast Update : Thu Mar 27 12:21:09 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
4) S	2,4-DCAA	7.114	7.536	3660.4E6	848.5E6	913.500	965.656
Target Compounds							
1) T	Dalapon	2.594	2.610	5365.3E6	1824.6E6	887.535	851.014
2) T	3,5-DICHL...	6.303	6.525	5124.6E6	1131.9E6	862.992	904.824
3) T	4-Nitroph...	6.918	7.072	1082.8E6	726.0E6	1108.547	887.226
5) T	DICAMBA	7.294	7.725	14354.3E6	4576.6E6	871.383	966.681
6) T	MCPD	7.476	7.834	1130.7E6	201.5E6	104.284	99.492
7) T	MCPA	7.623	8.070	1406.4E6	272.9E6	101.857	96.616
8) T	DICHLORPROP	7.990	8.427	3958.1E6	1140.5E6	865.266	893.457
9) T	2,4-D	8.219	8.747	3785.6E6	1264.6E6	929.486	910.152
10) T	Pentachlo...	8.515	9.256	50834.7E6	21011.8E6	755.021	928.210
11) T	2,4,5-TP ...	9.081	9.632	21472.5E6	8428.2E6	887.703	949.232
12) T	2,4,5-T	9.372	10.042	19721.6E6	7620.0E6	947.843	952.566
13) T	2,4-DB	9.941	10.601	1960.5E6	813.1E6	1098.475	844.926
14) T	DINOSEB	11.126	10.974	16136.2E6	5577.7E6	877.561	936.182
15) T	Picloram	10.947	12.034	15576.8E6	12447.7E6	1205.869	1025.866
16) T	DCPA	11.424	12.001	26496.8E6	10787.8E6	875.170	955.332

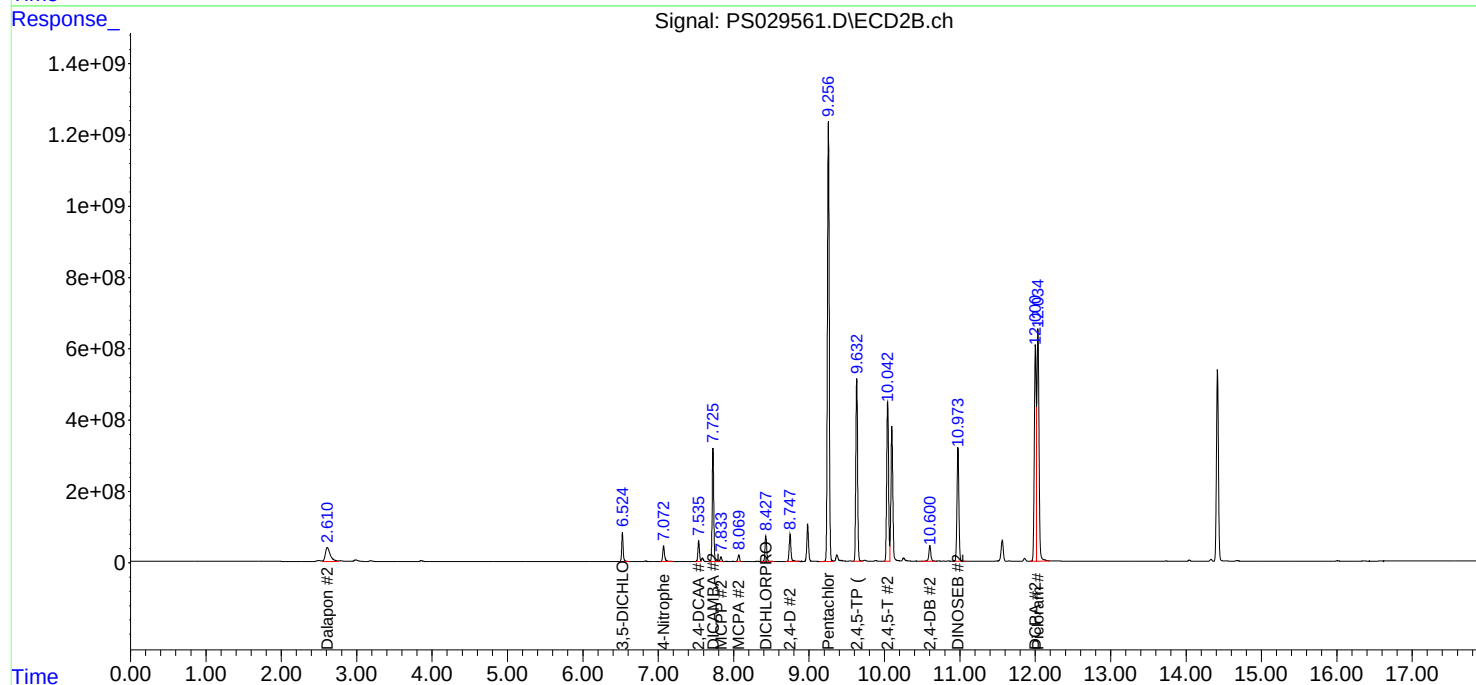
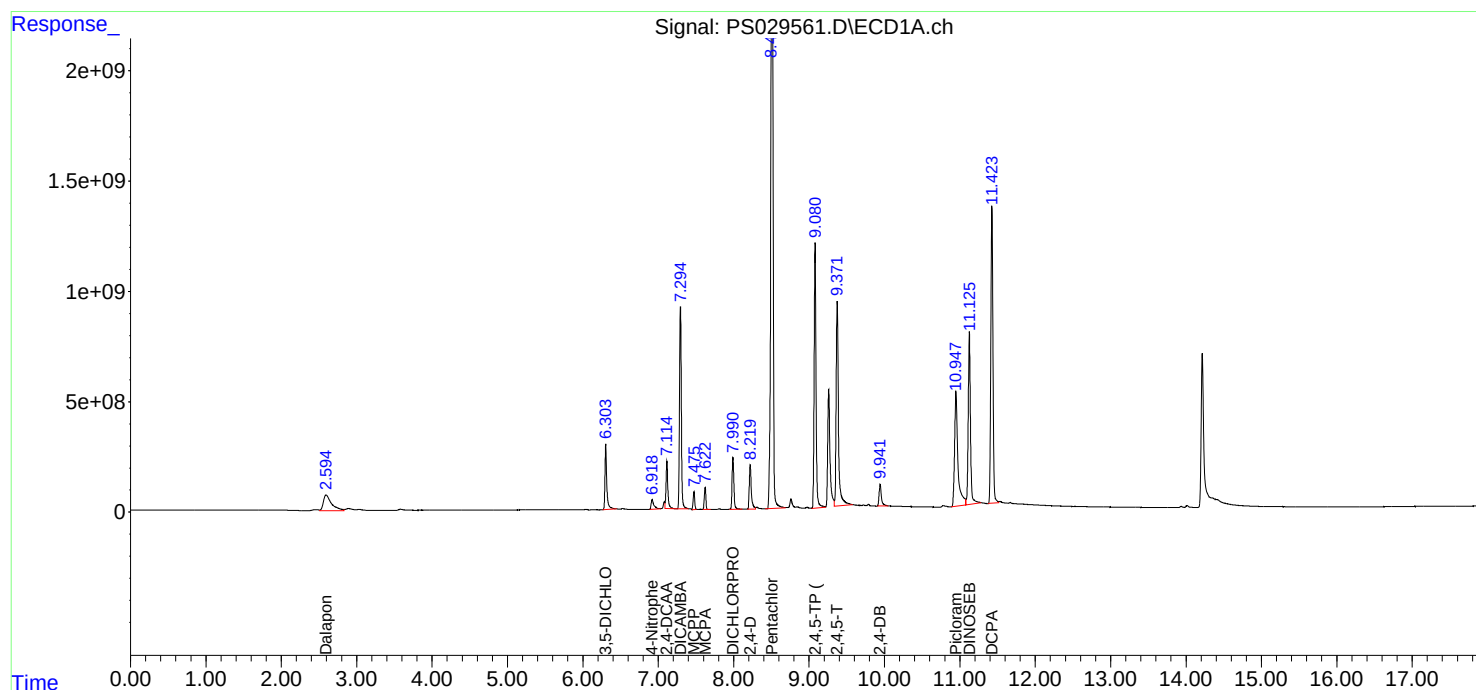
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS032825\
Data File : PS029561.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 11:25
Operator : AR\AJ
Sample : HSTDICC1000
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 27 12:23:12 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS032825.M
Quant Title : 8080.M
QLast Update : Thu Mar 27 12:21:09 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x 0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS032825\
 Data File : PS029562.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 27 Mar 2025 11:49
 Operator : AR\AJ
 Sample : HSTDICC1500
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 HSTDICC1500

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Mar 27 12:24:19 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS032825.M
 Quant Title : 8080.M
 QLast Update : Thu Mar 27 12:21:09 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
4) S	2,4-DCAA	7.113	7.536	5278.9E6	1247.9E6	1346.555	1432.461
Target Compounds							
1) T	Dalapon	2.595	2.611	7658.8E6	2640.4E6	1274.793	1251.821
2) T	3,5-DICHL...	6.303	6.525	7334.7E6	1661.2E6	1257.823	1337.027
3) T	4-Nitroph...	6.915	7.072	1637.4E6	1073.4E6	1589.575	1319.924
5) T	DICAMBA	7.294	7.726	20550.7E6	6813.3E6	1270.724	1428.978
6) T	MCPD	7.479	7.838	1742.4E6	300.6E6	156.417	146.282
7) T	MCPA	7.627	8.075	2143.5E6	413.4E6	151.631	144.947
8) T	DICHLORPROP	7.990	8.428	5676.5E6	1671.4E6	1266.079	1325.826
9) T	2,4-D	8.219	8.748	5531.6E6	1855.7E6	1361.993	1346.230
10) T	Pentachlo...	8.519	9.257	59284.6E6	29846.9E6	928.146	1326.112 #
11) T	2,4,5-TP ...	9.081	9.633	30361.1E6	12276.3E6	1276.088	1382.899
12) T	2,4,5-T	9.371	10.042	28231.6E6	11163.1E6	1357.616	1394.543
13) T	2,4-DB	9.940	10.601	3033.4E6	1213.8E6	1635.693	1297.208
14) T	DINOSEB	11.126	10.974	23014.1E6	8223.2E6	1272.750	1381.612
15) T	Picloram	10.946	12.035	23966.2E6	18348.9E6	1738.281	1482.604
16) T	DCPA	11.425	12.002	37044.4E6	15761.3E6	1251.188	1397.471

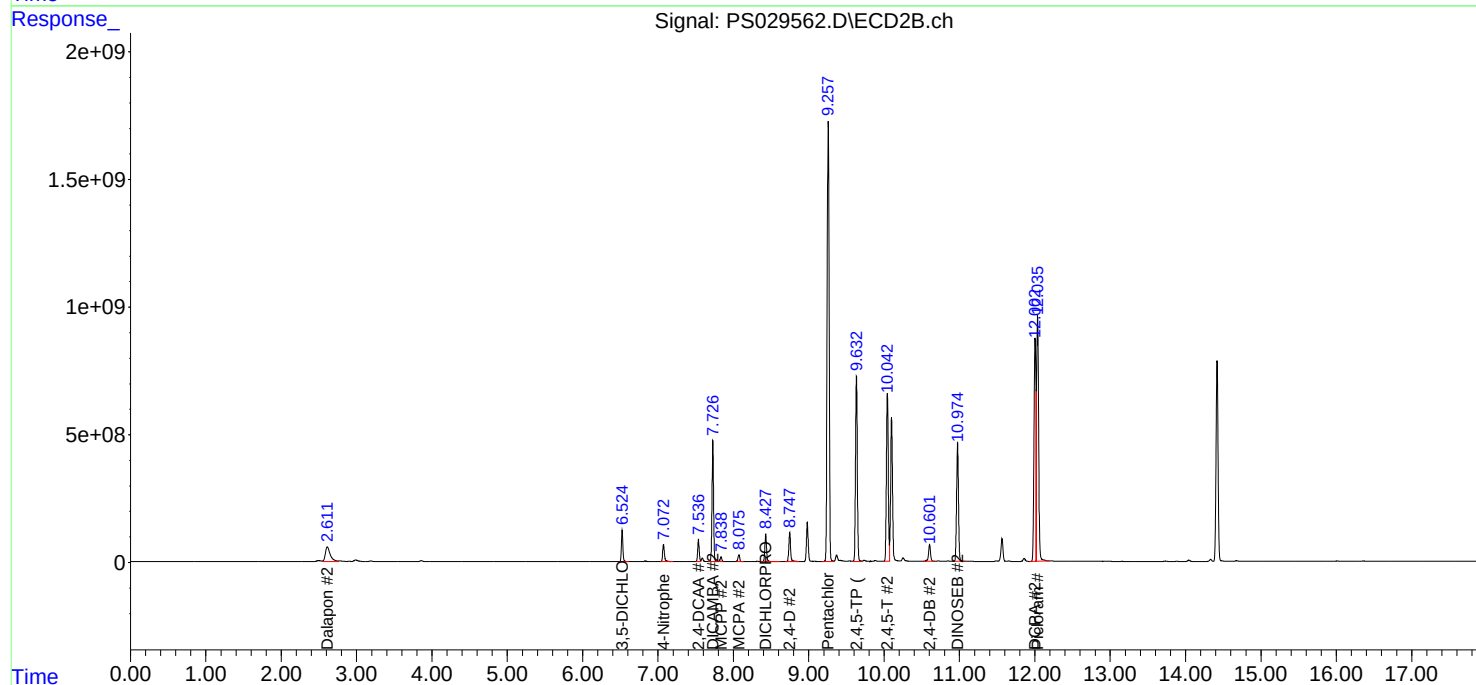
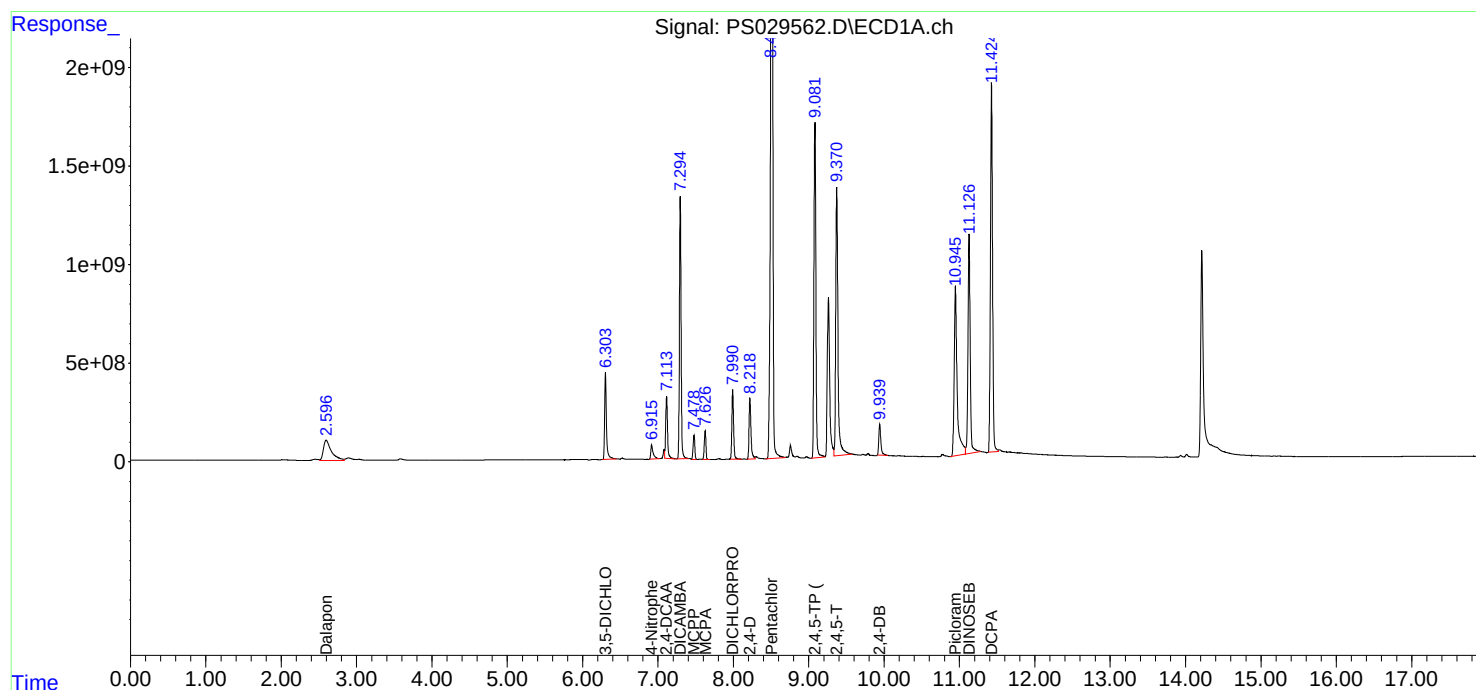
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS032825\
Data File : PS029562.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 11:49
Operator : AR\AJ
Sample : HSTDICC1500
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 27 12:24:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS032825.M
Quant Title : 8080.M
QLast Update : Thu Mar 27 12:21:09 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x 0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS032825\
 Data File : PS029563.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 27 Mar 2025 12:25
 Operator : AR\AJ
 Sample : HSTDICV750
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 ICVPS032825

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Mar 27 12:59:14 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS032825.M
 Quant Title : 8080.M
 QLast Update : Thu Mar 27 12:24:58 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
4) S	2,4-DCAA	7.117	7.532	2742.1E6	623.0E6	714.072	721.630
Target Compounds							
1) T	Dalapon	2.596	2.605	4160.9E6	1375.6E6	701.847	663.177
2) T	3,5-DICHL...	6.306	6.521	3847.1E6	835.6E6	672.971	678.194
3) T	4-Nitroph...	6.923	7.069	724.6E6	531.7E6	680.991	658.136
5) T	DICAMBA	7.297	7.722	10777.1E6	3281.4E6	679.820	686.373
6) T	MCPD	7.476	7.829	794.2E6	142.0E6	69.773	68.596
7) T	MCPA	7.622	8.064	983.1E6	194.4E6	68.361	67.637
8) T	DICHLORPROP	7.994	8.424	2940.7E6	848.2E6	669.573	680.956
9) T	2,4-D	8.223	8.743	2729.6E6	928.5E6	676.687	679.718
10) T	Pentachlo...	8.514	9.253	43822.3E6	15690.2E6	737.501	706.933
11) T	2,4,5-TP ...	9.084	9.629	16181.9E6	6213.3E6	694.649	704.077
12) T	2,4,5-T	9.376	10.039	14251.0E6	5621.3E6	691.852	705.251
13) T	2,4-DB	9.946	10.597	1333.3E6	638.3E6	698.308	694.620
14) T	DINOSEB	11.130	10.971	12081.2E6	4101.0E6	681.393	691.818
15) T	Picloram	10.955	12.032	9910.6E6	8883.0E6	688.547	711.997
16) T	DCPA	11.428	11.998	20170.9E6	8056.3E6	699.629	718.558

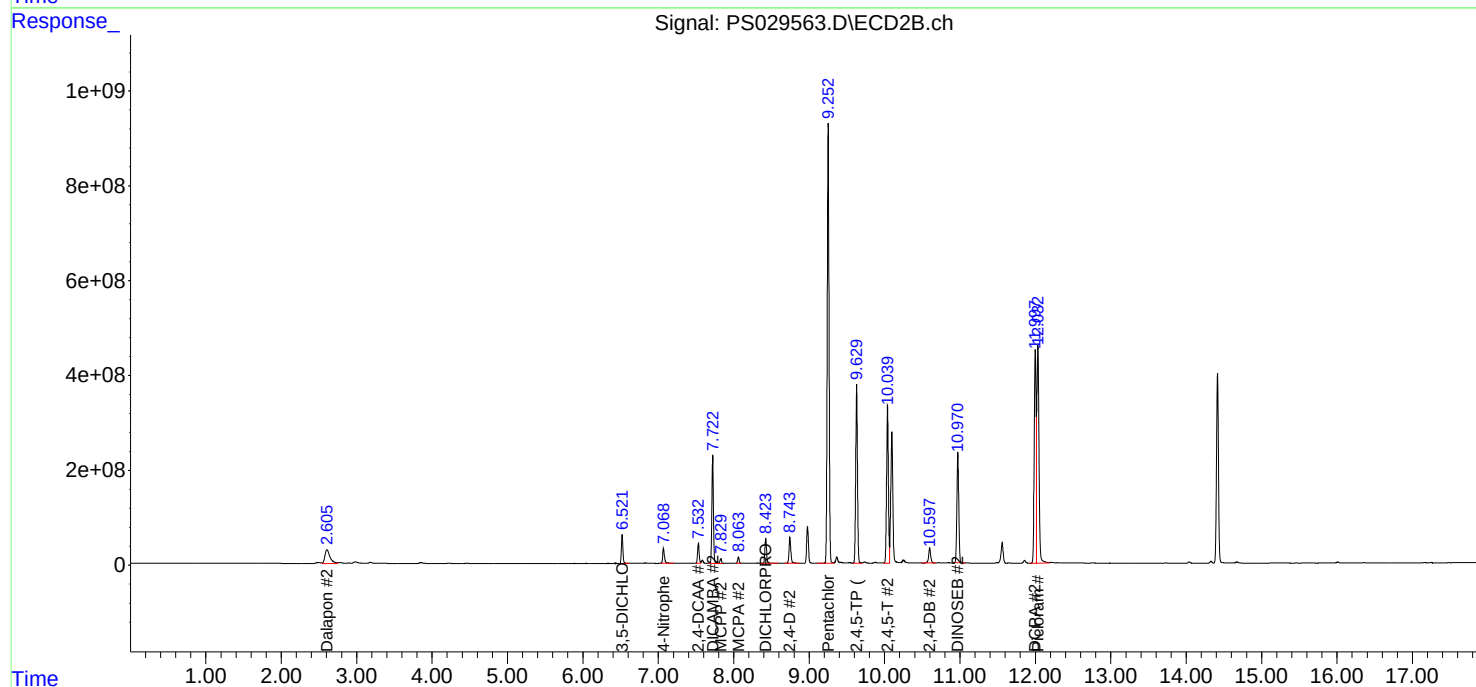
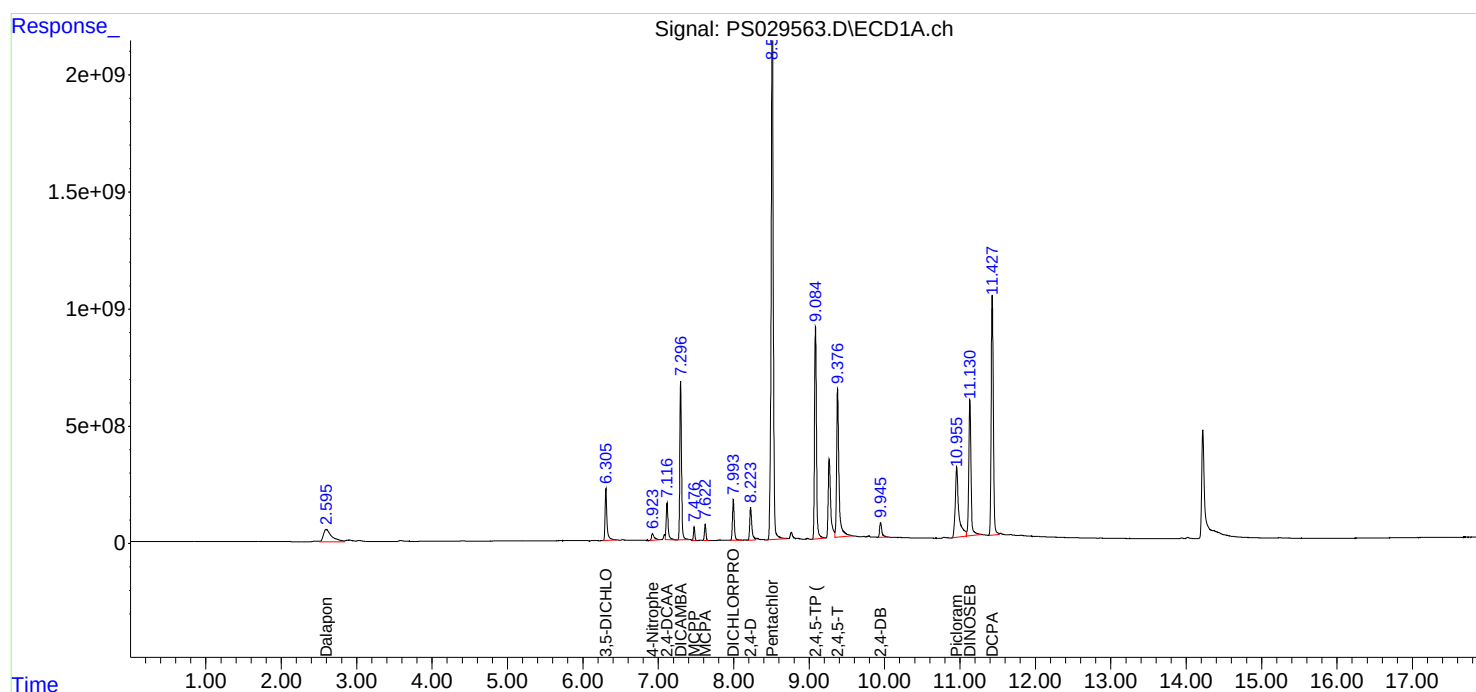
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS032825\
Data File : PS029563.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 12:25
Operator : AR\AJ
Sample : HSTDICV750
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
ICVPS032825

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 27 12:59:14 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS032825.M
Quant Title : 8080.M
QLast Update : Thu Mar 27 12:24:58 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x 0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



RETENTION TIMES OF INITIAL CALIBRATION

Lab Name:	<u>Alliance</u>	Contract:	<u>WALS01</u>
Lab Code:	<u>ACE</u>	SDG NO.:	<u>Q1626</u>
Instrument ID:	<u>ECD_S</u>	Calibration Date(s):	<u>04/02/2025</u> <u>04/02/2025</u>
		Calibration Times:	<u>17:32</u> <u>20:44</u>

 GC Column: RTX-CLP ID: 0.32 (mm)

LAB FILE ID:	RT 200 = <u>PS029657.D</u>	RT 500 = <u>PS029658.D</u>
RT 750 = <u>PS029659.D</u>	RT 1000 = <u>PS029660.D</u>	RT 1500 = <u>PS029661.D</u>

COMPOUND	RT 200	RT 500	RT 750	RT 1000	RT 1500	MEAN RT	RT WINDOW	
							FROM	TO
2,4,5-T	9.17	9.17	9.17	9.17	9.17	9.17	9.07	9.27
2,4,5-TP(Silvex)	8.89	8.89	8.89	8.89	8.89	8.89	8.79	8.99
2,4-D	8.04	8.04	8.04	8.04	8.04	8.04	7.94	8.14
2,4-DB	9.73	9.73	9.73	9.73	9.73	9.73	9.63	9.83
2,4-DCAA	6.96	6.96	6.96	6.96	6.96	6.96	6.86	7.06
DICAMBA	7.14	7.14	7.14	7.14	7.14	7.14	7.04	7.24
DICHLORPROP	7.82	7.82	7.82	7.82	7.82	7.82	7.72	7.92
Dinoseb	10.90	10.90	10.90	10.90	10.89	10.90	10.80	11.00

Calibration Times: 17:32 20:44

LAB FILE ID:	RT 200 =	<u>PS029657.D</u>	RT 500 =	<u>PS029658.D</u>
	RT 750 =	PS029659.D	RT 1000 =	PS029660.D
			RT 1500 =	PS029661.D

[illegible]



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

CALIBRATION FACTOR OF INITIAL CALIBRATION

Lab Name: Alliance

Contract: WALS01

Lab Code: ACE

SDG NO.: Q1626

Instrument ID: ECD_S

Calibration Date(s): 04/02/2025 04/02/2025

Calibration Times: 17:32 20:44

GC Column: RTX-CLP

ID: 0.32 (mm)

LAB FILE ID:		CF 200 =	<u>PS029657.D</u>	CF 500 =	<u>PS029658.D</u>		
CF 750 =		<u>PS029659.D</u>	CF 1000 =	<u>PS029660.D</u>	CF 1500 =	<u>PS029661.D</u>	
COMPOUND	CF 200	CF 500	CF 750	CF 1000	CF 1500	CF	% RSD
2,4,5-T	12392100000	11556100000	11317000000	11259900000	10997000000	11504400000	5
2,4,5-TP(Silvex)	12727900000	11569300000	11320400000	11249800000	11209500000	11615400000	5
2,4-D	2821030000	2334770000	2267580000	2246770000	2377810000	2409590000	10
2,4-DB	1770320000	1877810000	1877800000	1875590000	1682200000	1816740000	5
2,4-DCAA	2302820000	2069000000	1979340000	1949030000	1893970000	2038830000	8
DICAMBA	8858060000	8486840000	8279770000	8264120000	7720910000	8321940000	5
DICHLORPROP	2631030000	2144690000	2068210000	2026460000	2126800000	2199440000	11
Dinoseb	9157510000	8349910000	8295260000	8191760000	8215770000	8442040000	5



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

CALIBRATION FACTOR OF INITIAL CALIBRATION

Lab Name: Alliance

Contract: WALS01

Lab Code: ACE

SDG NO.: Q1626

Instrument ID: ECD_S

Calibration Date(s): 04/02/2025 04/02/2025

Calibration Times: 17:32 20:44

GC Column: RTX-CLP2

ID: 0.32 (mm)

LAB FILE ID:		CF 200 =	<u>PS029657.D</u>	CF 500 =	<u>PS029658.D</u>		
CF 750 =		<u>PS029659.D</u>	CF 1000 =	<u>PS029660.D</u>	CF 1500 =	<u>PS029661.D</u>	
COMPOUND	CF 200	CF 500	CF 750	CF 1000	CF 1500	CF	% RSD
2,4,5-T	7045180000	6633840000	6608740000	6643500000	6582930000	6702840000	3
2,4,5-TP(Silvex)	7615620000	7063890000	7056380000	7090810000	7238100000	7212960000	3
2,4-D	1263680000	1033640000	1003030000	1003730000	1088250000	1078460000	10
2,4-DB	803302000	731751000	714994000	726360000	733471000	741975000	5
2,4-DCAA	756673000	677593000	660102000	658637000	654559000	681513000	6
DICAMBA	3706360000	3600950000	3652250000	3722240000	3785060000	3693370000	2
DICHLORPROP	1136690000	925142000	905064000	900036000	963828000	966152000	10
Dinoseb	5552480000	5015020000	4952150000	4983340000	5061010000	5112800000	5

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS040225\
 Data File : PS029657.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 02 Apr 2025 17:32
 Operator : AR\AJ
 Sample : HSTDICC200
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 HSTDICC200

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 02 21:46:33 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS040225.M
 Quant Title : 8080.M
 QLast Update : Wed Apr 02 21:45:08 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
4) S	2,4-DCAA	6.963	7.476	460.6E6	151.3E6	232.686	229.260
Target Compounds							
1) T	Dalapon	2.463	2.533	731.9E6	336.4E6	224.174	219.295
2) T	3,5-DICHL...	6.166	6.471	622.3E6	198.4E6	211.603	211.486
3) T	4-Nitroph...	6.755	7.011	281.9E6	145.1E6	207.004	212.338
5) T	DICAMBA	7.140	7.663	1665.3E6	696.8E6	201.131	190.785
6) T	MCPD	7.317	7.766	85252462	28218860	15.480	16.114
7) T	MCPA	7.459	7.997	120.6E6	41718309	16.342	18.360
8) T	DICHLORPROP	7.822	8.357	494.6E6	213.7E6	239.160	236.114
9) T	2,4-D	8.044	8.673	530.4E6	237.6E6	233.885	236.854
10) T	Pentachlo...	8.321	9.174	6661.6E6	3600.2E6	229.136	203.169
11) T	2,4,5-TP ...	8.888	9.553	2418.3E6	1447.0E6	213.623	205.058
12) T	2,4,5-T	9.171	9.959	2354.5E6	1338.6E6	208.050	202.548
13) T	2,4-DB	9.732	10.516	336.4E6	152.6E6	179.124	213.467
14) T	DINOSEB	10.896	10.888	1721.6E6	1043.9E6	207.542	210.790
15) T	Picloram	10.714	11.932	3148.9E6	2164.7E6	207.380	195.248
16) T	DCPA	11.196	11.912	2871.5E6	1841.8E6	208.516	183.261

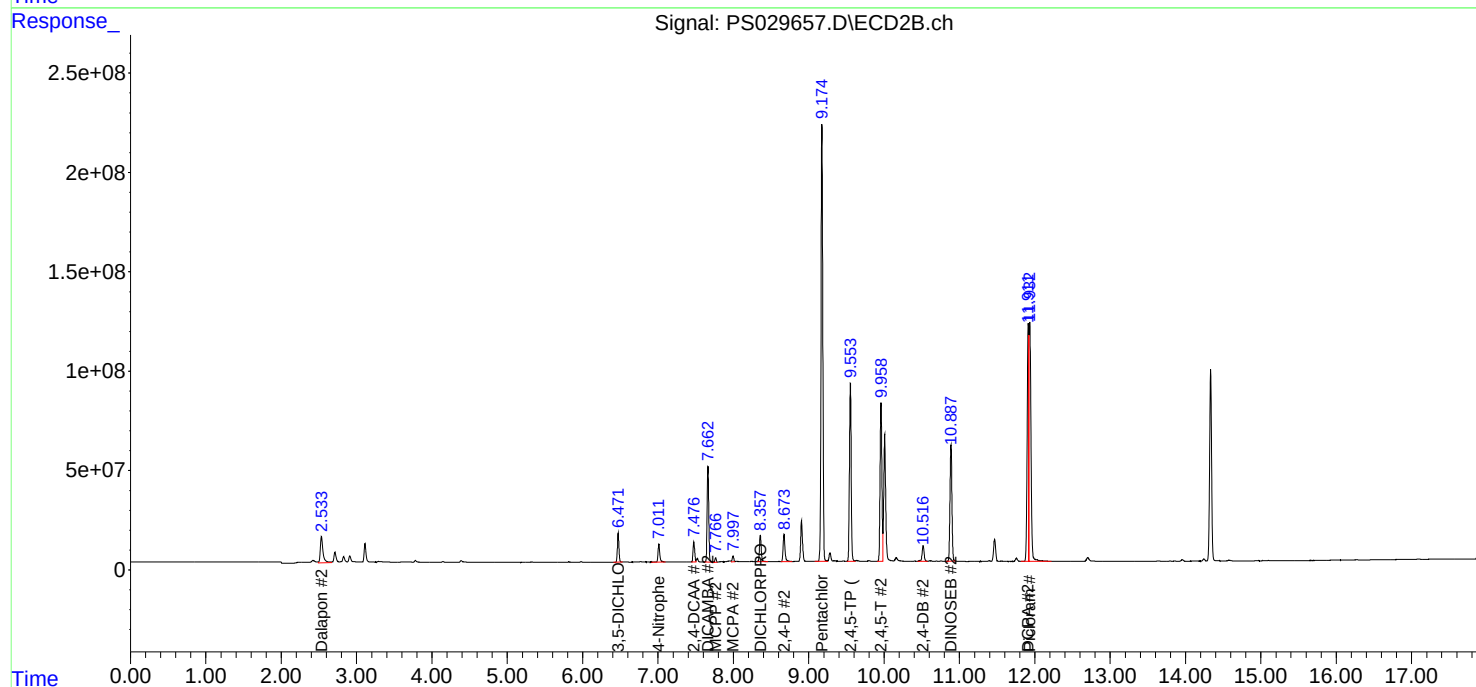
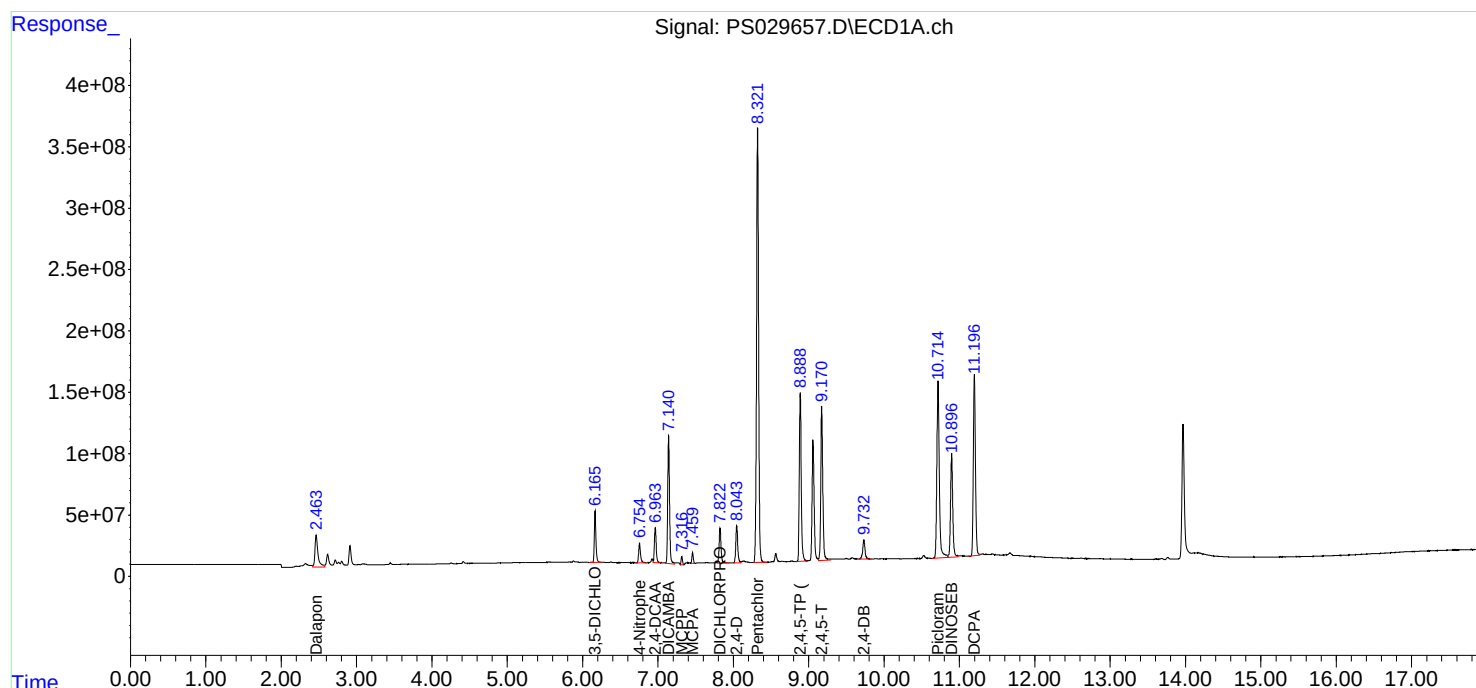
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS040225\
Data File : PS029657.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 Apr 2025 17:32
Operator : AR\AJ
Sample : HSTDICC200
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDICC200

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 02 21:46:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS040225.M
Quant Title : 8080.M
QLast Update : Wed Apr 02 21:45:08 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x 0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS040225\
 Data File : PS029658.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 02 Apr 2025 17:56
 Operator : AR\AJ
 Sample : HSTDICC500
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 HSTDICC500

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 02 21:46:49 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS040225.M
 Quant Title : 8080.M
 QLast Update : Wed Apr 02 21:45:08 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
4) S	2,4-DCAA	6.963	7.476	1034.5E6	338.8E6	522.648	513.249
Target Compounds							
1) T	Dalapon	2.463	2.533	1566.9E6	735.5E6	479.894	479.559
2) T	3,5-DICHL...	6.165	6.470	1411.1E6	445.8E6	479.828	475.161
3) T	4-Nitroph...	6.754	7.010	631.6E6	320.3E6	463.792	468.614
5) T	DICAMBA	7.140	7.662	3988.8E6	1692.4E6	481.754	463.398
6) T	MCPD	7.317	7.766	251.0E6	80048671	45.582	45.711
7) T	MCPA	7.460	7.997	336.8E6	103.6E6	45.643	45.594
8) T	DICHLORPROP	7.822	8.357	1008.0E6	434.8E6	487.379	480.426
9) T	2,4-D	8.043	8.672	1097.3E6	485.8E6	483.927	484.347
10) T	Pentachlo...	8.321	9.173	14175.8E6	8509.4E6	487.598	480.213
11) T	2,4,5-TP ...	8.887	9.552	5495.4E6	3355.3E6	485.444	475.506
12) T	2,4,5-T	9.170	9.957	5489.2E6	3151.1E6	485.039	476.804
13) T	2,4-DB	9.730	10.515	892.0E6	347.6E6	475.002	486.133
14) T	DINOSEB	10.895	10.886	3924.5E6	2357.1E6	473.097	475.967
15) T	Picloram	10.714	11.930	7202.2E6	5259.7E6	474.314	474.410
16) T	DCPA	11.196	11.913	6699.5E6	4331.2E6	486.495	430.957

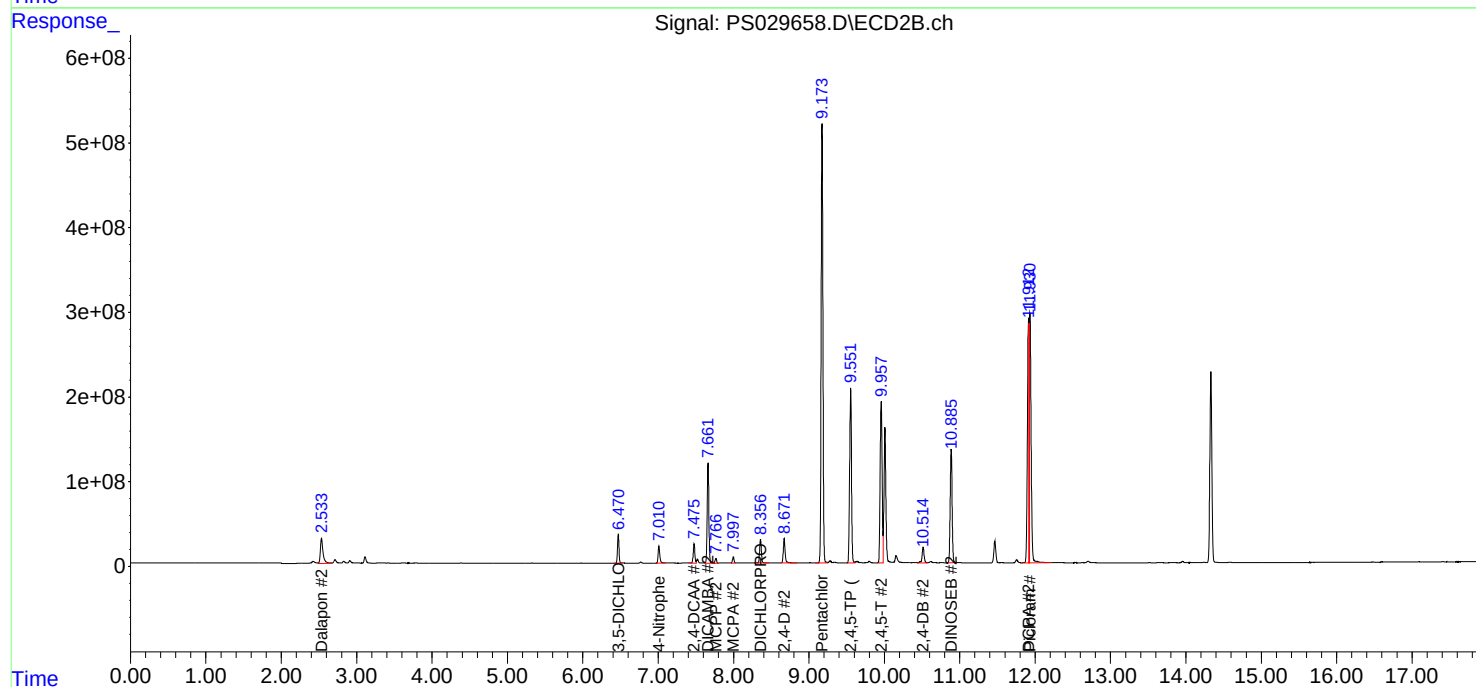
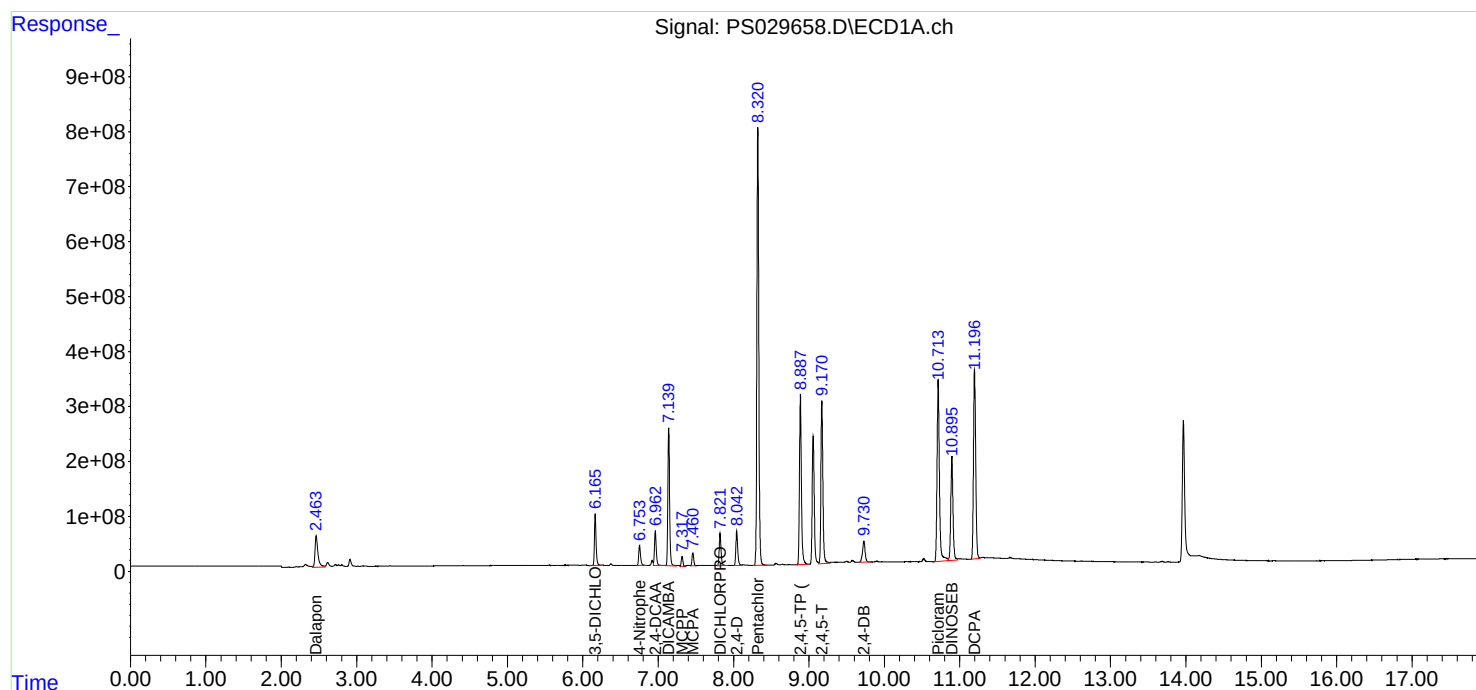
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS040225\
Data File : PS029658.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 Apr 2025 17:56
Operator : AR\AJ
Sample : HSTDICC500
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 02 21:46:49 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS040225.M
Quant Title : 8080.M
QLast Update : Wed Apr 02 21:45:08 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x 0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS040225\
 Data File : PS029659.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 02 Apr 2025 18:44
 Operator : AR\AJ
 Sample : HSTDICC750
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

HSTDICC750

Manual Integrations**APPROVED**

Reviewed By :Abdul Mirza 04/03/2025

Supervised By :mohammad ahmed 04/04/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 02 21:47:20 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS040225.M
 Quant Title : 8080.M
 QLast Update : Wed Apr 02 21:45:08 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
4) S	2,4-DCAA	6.963	7.475	1484.5E6	495.1E6	750.000	750.000
Target Compounds							
1) T	Dalapon	2.463	2.533	2228.4E6	1046.8E6	682.500	682.500
2) T	3,5-DICHL...	6.165	6.470	2051.3E6	654.3E6	697.500	697.500
3) T	4-Nitroph...	6.753	7.009	929.4E6	466.5E6	682.500	682.500
5) T	DICAMBA	7.140	7.662	5837.2E6	2574.8E6	705.000	705.000
6) T	MCP	7.318	7.767	388.3E6	123.5E6	70.500	70.500
7) T	MCPA	7.461	7.999	514.6E6	158.5E6	69.750	69.750
8) T	DICHLORPROP	7.822	8.356	1458.1E6	638.1E6	705.000	705.000
9) T	2,4-D	8.042	8.671	1598.6E6	707.1E6	705.000	705.000
10) T	Pentachlo...	8.321	9.173	20714.3E6	12625.5E6	712.500	712.500
11) T	2,4,5-TP ...	8.888	9.551	8065.8E6	5027.7E6	712.500	712.500
12) T	2,4,5-T	9.170	9.957	8063.3E6	4708.7E6	712.500	712.500
13) T	2,4-DB	9.729	10.514	1337.9E6	509.4E6	712.500	712.500
14) T	DINOSEB	10.895	10.887	5848.2E6	3491.3E6	705.000	705.000
15) T	Picloram	10.713	11.930	10818.9E6	8266.2E6	712.500	745.591m
16) T	DCPA	11.195	11.913	9915.1E6	5912.6E6	720.000	588.309m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS040225\
Data File : PS029659.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 Apr 2025 18:44
Operator : AR\AJ
Sample : HSTDICC750
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

HSTDICC750

Manual Integrations

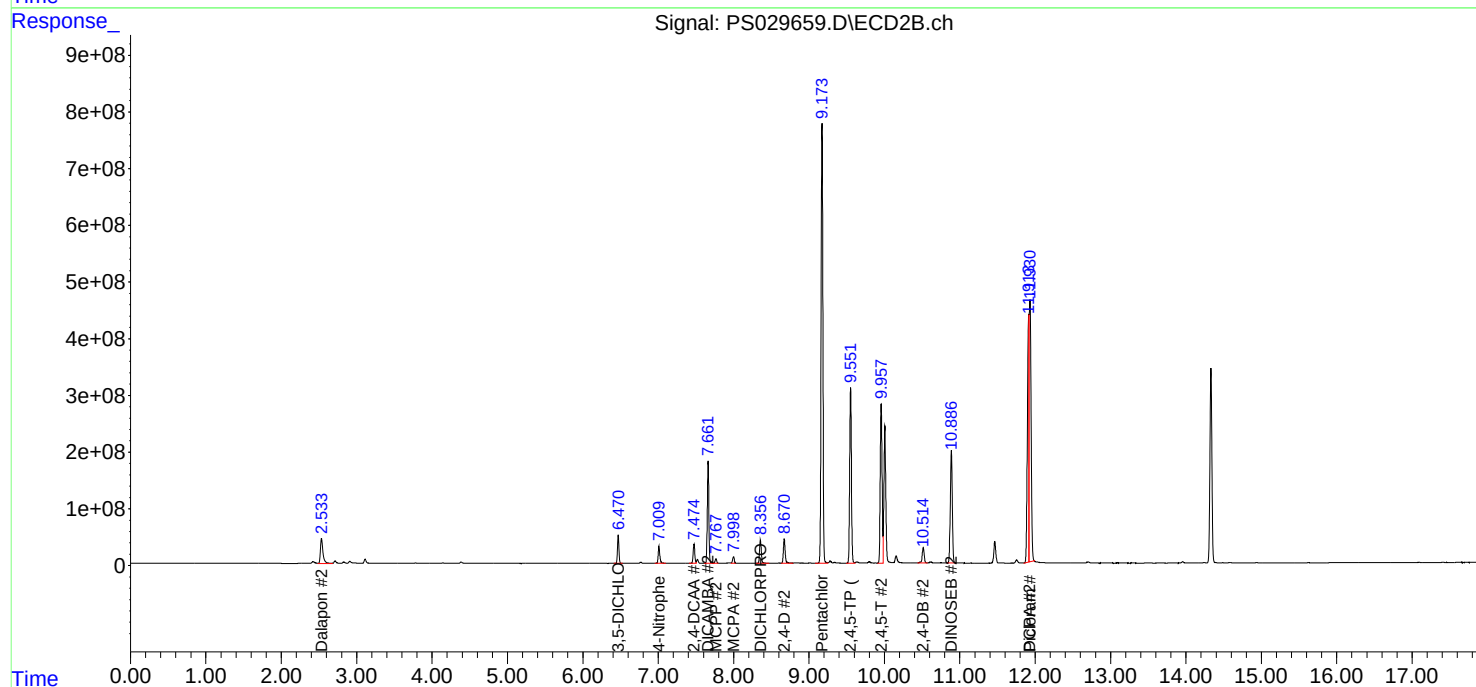
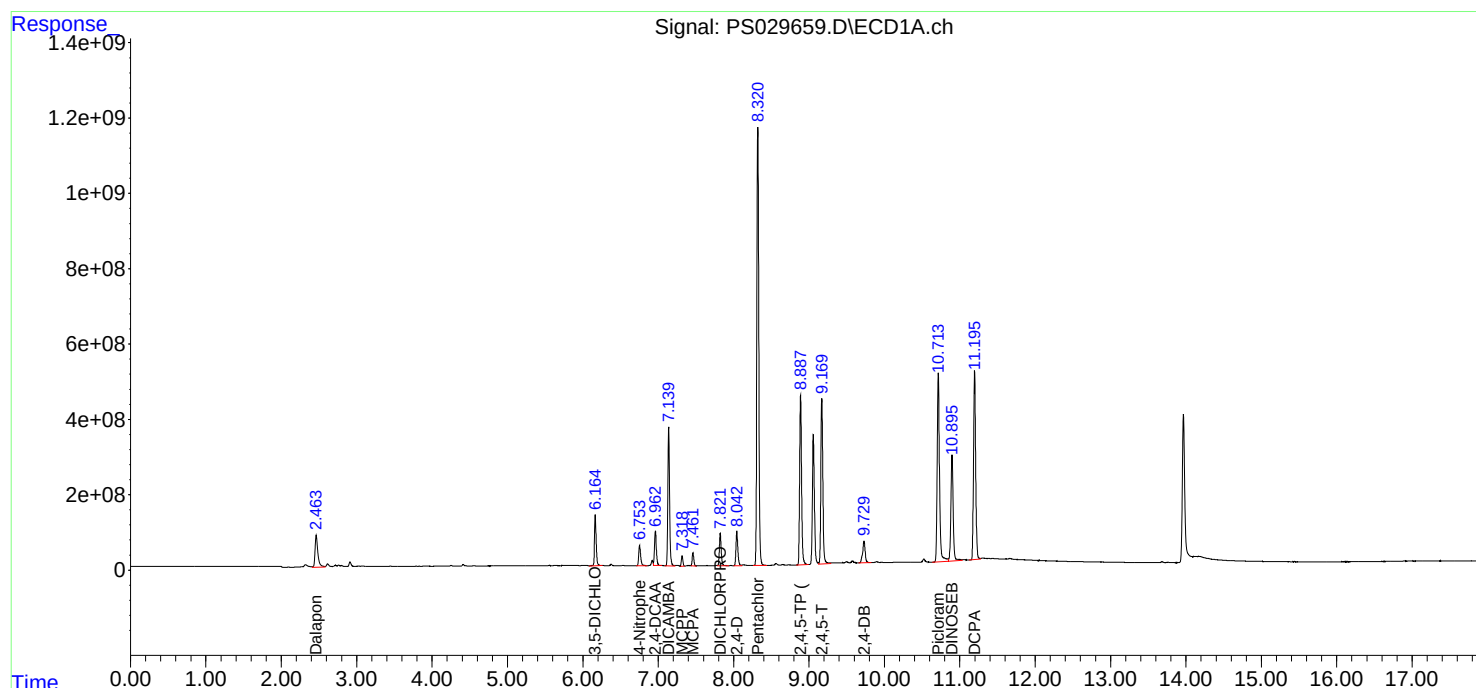
APPROVED

Reviewed By :Abdul Mirza 04/03/2025

Supervised By :mohammad ahmed 04/04/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 02 21:47:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS040225.M
Quant Title : 8080.M
QLast Update : Wed Apr 02 21:45:08 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x 0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS040225\
 Data File : PS029660.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 02 Apr 2025 19:32
 Operator : AR\AJ
 Sample : HSTDICC1000
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 HSTDICC1000

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 04/03/2025
 Supervised By :mohammad ahmed 04/04/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 02 21:47:50 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS040225.M
 Quant Title : 8080.M
 QLast Update : Wed Apr 02 21:45:08 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
4) S	2,4-DCAA	6.963	7.475	1949.0E6	658.6E6	984.687	997.781
Target Compounds							
1) T	Dalapon	2.463	2.533	2931.9E6	1379.7E6	897.971	899.538
2) T	3,5-DICHL...	6.165	6.471	2698.4E6	869.7E6	917.551	927.061
3) T	4-Nitroph...	6.753	7.010	1229.4E6	617.9E6	902.763	903.979
5) T	DICAMBA	7.140	7.662	7768.3E6	3498.9E6	938.223	958.015
6) T	MCPD	7.319	7.769	543.2E6	167.9E6	98.636	95.855
7) T	MCPA	7.463	8.001	699.2E6	216.5E6	94.768	95.274
8) T	DICHLORPROP	7.822	8.357	1904.9E6	846.0E6	921.024	934.778
9) T	2,4-D	8.043	8.671	2112.0E6	943.5E6	931.373	940.657
10) T	Pentachlo...	8.322	9.174	27238.3E6	16770.4E6	936.904	946.407
11) T	2,4,5-TP ...	8.888	9.552	10687.3E6	6736.3E6	944.073	954.635
12) T	2,4,5-T	9.170	9.957	10696.9E6	6311.3E6	945.212	954.996
13) T	2,4-DB	9.730	10.515	1781.8E6	690.0E6	948.880	965.102
14) T	DINOSEB	10.895	10.887	7700.3E6	4684.3E6	928.272	945.920
15) T	Picloram	10.713	11.929	14447.2E6	12036.9E6	951.454	1085.696m
16) T	DCPA	11.196	11.916	13124.1E6	7801.9E6	953.028	776.299m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS040225\
Data File : PS029660.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 Apr 2025 19:32
Operator : AR\AJ
Sample : HSTDICC1000
Misc :
ALS Vial : 9 Sample Multiplier: 1

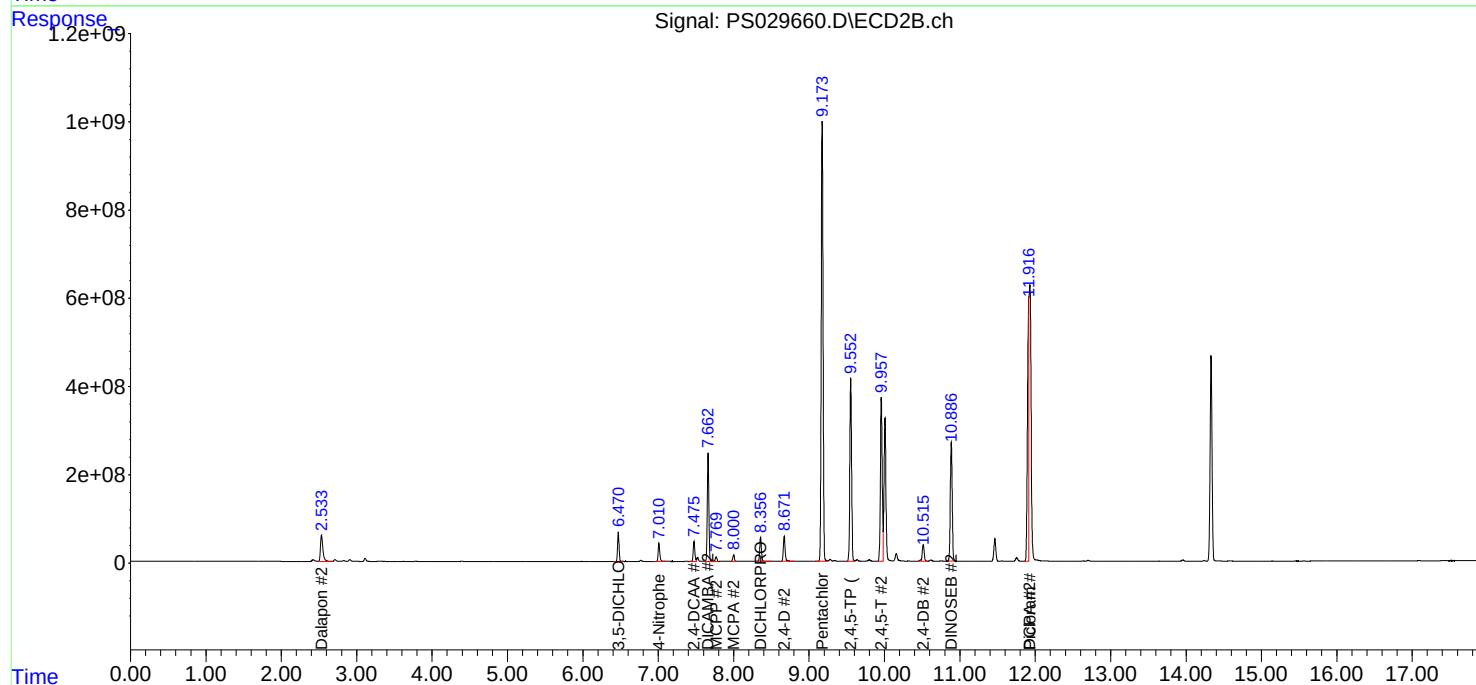
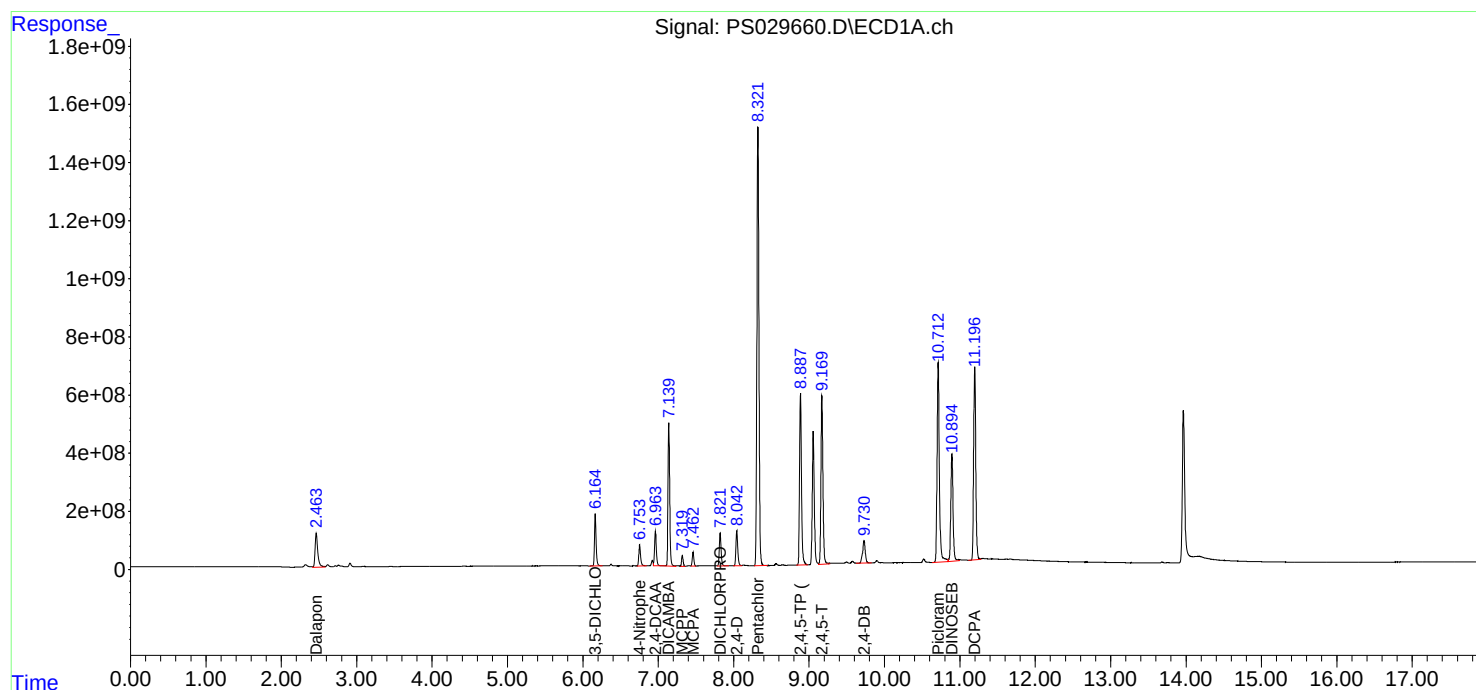
Instrument :
ECD_S
ClientSampleId :
HSTDICC1000

Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 04/03/2025
Supervised By : mohammad ahmed 04/04/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 02 21:47:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS040225.M
Quant Title : 8080.M
QLast Update : Wed Apr 02 21:45:08 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x 0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS040225\
 Data File : PS029661.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 02 Apr 2025 20:44
 Operator : AR\AJ
 Sample : HSTDICC1500
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 HSTDICC1500

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 04/03/2025
 Supervised By : mohammad ahmed 04/04/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 02 21:51:14 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS040225.M
 Quant Title : 8080.M
 QLast Update : Wed Apr 02 21:45:08 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x 0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
4) S	2,4-DCAA	6.962	7.475	2841.0E6	981.8E6	1435.303	1487.406
Target Compounds							
1) T	Dalapon	2.462	2.532	4108.4E6	1942.9E6	1258.290	1266.710
2) T	3,5-DICHL...	6.164	6.469	3928.4E6	1296.2E6	1335.806	1381.746
3) T	4-Nitroph...	6.752	7.009	1875.7E6	929.8E6	1377.303	1360.341
5) T	DICAMBA	7.139	7.661	10886.5E6	5336.9E6	1314.829	1461.273
6) T	MCP	7.321	7.771	837.1E6	239.9E6	151.995	136.979
7) T	MCPA	7.464	8.003	1077.4E6	321.6E6	146.013	141.540
8) T	DICHLORPROP	7.821	8.356	2998.8E6	1359.0E6	1449.942	1501.547
9) T	2,4-D	8.041	8.670	3352.7E6	1534.4E6	1478.541	1529.798
10) T	Pentachlo...	8.320	9.173	41860.3E6	24798.8E6	1439.850	1399.475
11) T	2,4,5-TP ...	8.887	9.551	15973.5E6	10314.3E6	1411.040	1461.696
12) T	2,4,5-T	9.169	9.956	15670.7E6	9380.7E6	1384.705	1419.436
13) T	2,4-DB	9.729	10.514	2397.1E6	1045.2E6	1276.563	1461.825
14) T	DINOSEB	10.894	10.886	11584.2E6	7136.0E6	1396.490	1440.994
15) T	Picloram	10.712	11.927	21908.2E6	17647.2E6	1442.814	1591.730m
16) T	DCPA	11.195	11.918	19405.2E6	13389.7E6	1409.141	1332.294m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS040225\
Data File : PS029661.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 Apr 2025 20:44
Operator : AR\AJ
Sample : HSTDICC1500
Misc :
ALS Vial : 12 Sample Multiplier: 1

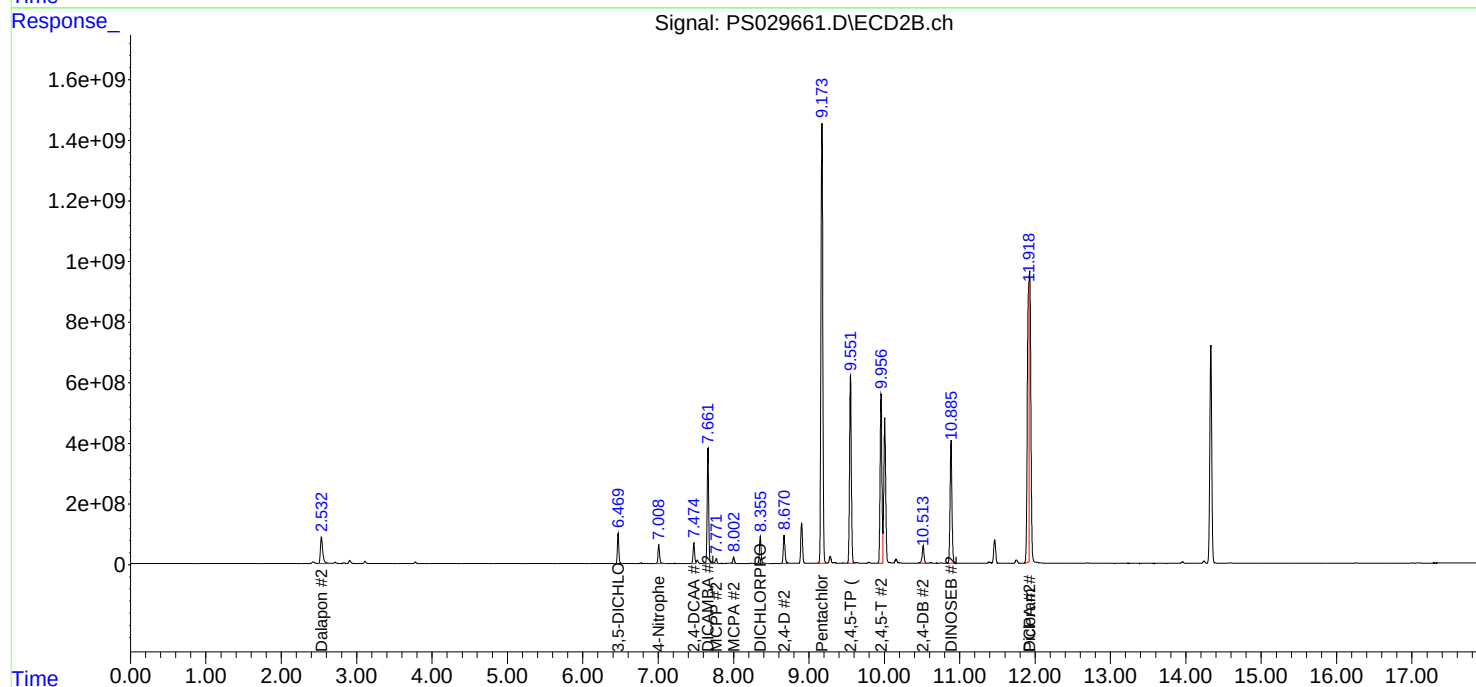
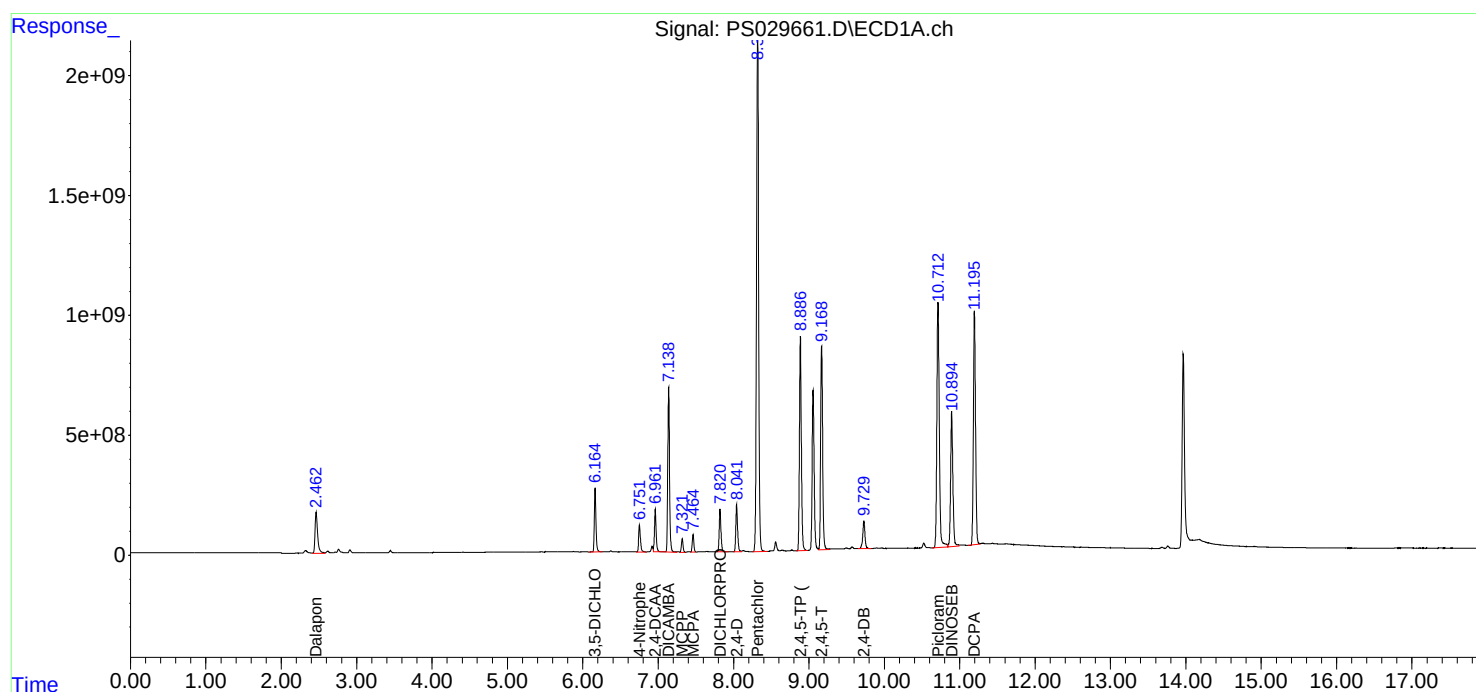
Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/03/2025
Supervised By :mohammad ahmed 04/04/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 02 21:51:14 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS040225.M
Quant Title : 8080.M
QLast Update : Wed Apr 02 21:45:08 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS040225\
 Data File : PS029662.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 02 Apr 2025 21:32
 Operator : AR\AJ
 Sample : HSTDICV750
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

ICVPS040225

Manual Integrations**APPROVED**

Reviewed By :Abdul Mirza 04/03/2025

Supervised By :mohammad ahmed 04/04/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 02 22:04:21 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS040225.M
 Quant Title : 8080.M
 QLast Update : Wed Apr 02 21:58:31 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
4) S	2,4-DCAA	6.962	7.474	1498.3E6	503.3E6	734.900	738.464
Target Compounds							
1) T	Dalapon	2.462	2.533	2190.2E6	1024.0E6	645.618	645.003
2) T	3,5-DICHL...	6.164	6.469	2082.1E6	662.8E6	692.238	686.463
3) T	4-Nitroph...	6.752	7.009	957.2E6	475.6E6	681.345	670.774
5) T	DICAMBA	7.138	7.661	5694.1E6	2612.2E6	684.231	707.267
6) T	MCPD	7.317	7.767	392.2E6	118.2E6	72.358	70.010
7) T	MCPA	7.460	7.998	518.2E6	157.7E6	71.284	69.331
8) T	DICHLORPROP	7.820	8.356	1603.0E6	696.5E6	728.820	720.851
9) T	2,4-D	8.041	8.670	1760.6E6	789.5E6	730.675	732.044
10) T	Pentachlo...	8.319	9.173	22517.6E6	12981.3E6	740.590	724.092
11) T	2,4,5-TP ...	8.886	9.551	8387.3E6	5243.7E6	722.086	726.984
12) T	2,4,5-T	9.168	9.956	8196.2E6	4791.7E6	712.435	714.872
13) T	2,4-DB	9.728	10.513	1209.9E6	524.8E6	665.952	707.282
14) T	DINOSEB	10.894	10.886	5970.8E6	3628.9E6	707.265	709.775
15) T	Picloram	10.711	11.928	11195.9E6	9179.9E6	722.295	783.175m
16) T	DCPA	11.194	11.916	10250.4E6	6152.8E6	733.951	667.456m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS040225\
Data File : PS029662.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 Apr 2025 21:32
Operator : AR\AJ
Sample : HSTDICV750
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

ICVPS040225

Manual Integrations

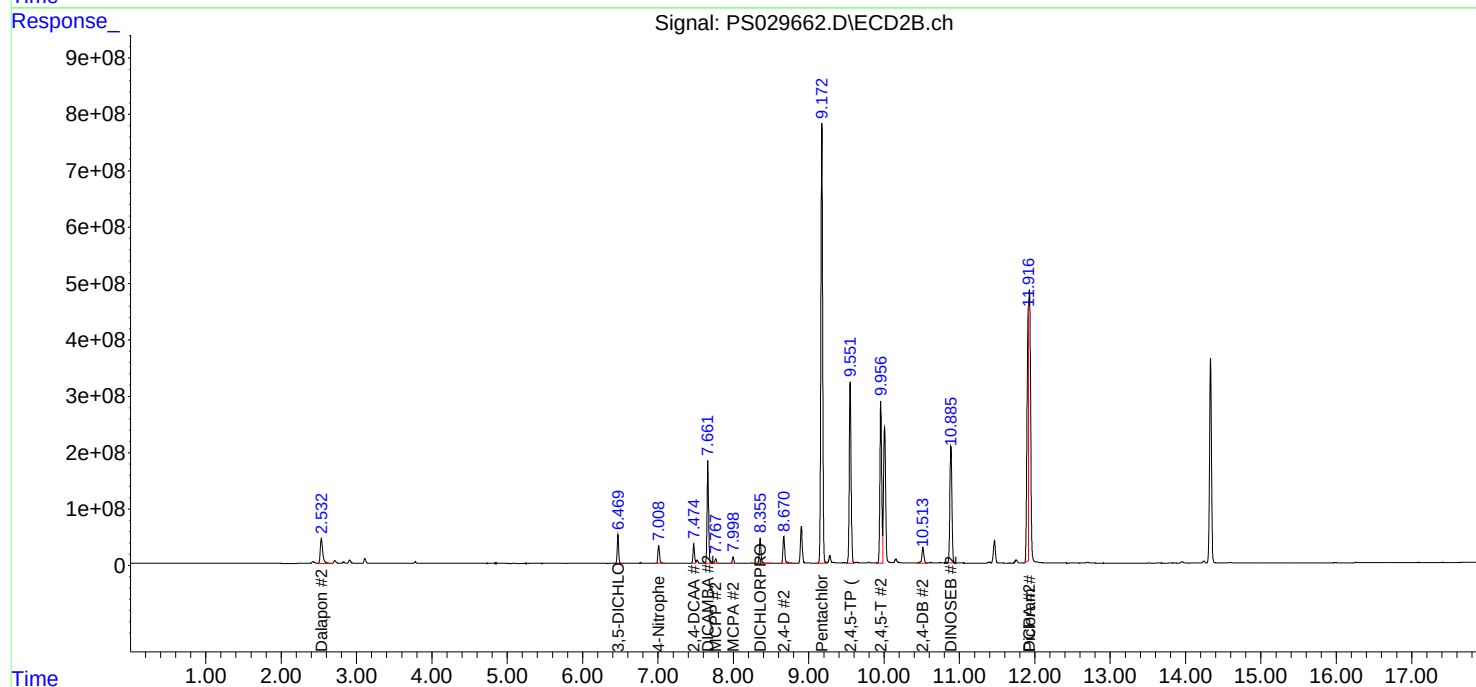
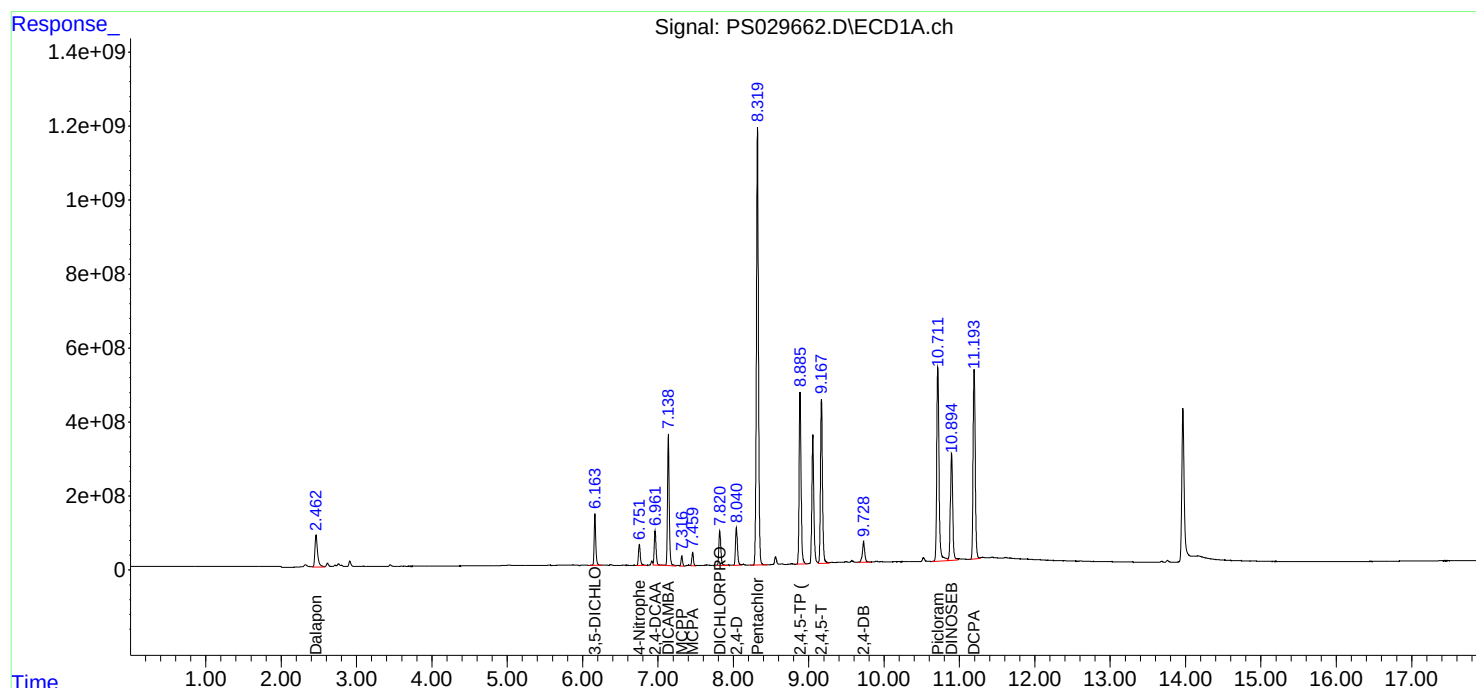
APPROVED

Reviewed By :Abdul Mirza 04/03/2025

Supervised By :mohammad ahmed 04/04/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 02 22:04:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS040225.M
Quant Title : 8080.M
QLast Update : Wed Apr 02 21:58:31 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm





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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: WALS01

Lab Code: ACE

SDG NO.: Q1626

Continuing Calib Date: 03/26/2025

Initial Calibration Date(s): 03/26/2025

03/26/2025

Continuing Calib Time: 16:54

Initial Calibration Time(s): 12:36

15:28

GC Column: RTX-CLP ID: 0.32 (mm)

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
DICAMBA	7.30	7.30	7.20	7.40	0.00
2,4-DCAA	7.12	7.12	7.02	7.22	0.00
DICHLORPROP	8.00	8.00	7.90	8.10	0.00
2,4-D	8.23	8.23	8.13	8.33	0.00
2,4,5-TP(Silvex)	9.09	9.09	8.99	9.19	0.00
2,4,5-T	9.38	9.38	9.28	9.48	0.00
2,4-DB	9.95	9.95	9.85	10.05	0.00
Dinoseb	11.13	11.13	11.03	11.23	0.00



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: WALS01

Lab Code: ACE

SDG NO.: Q1626

Continuing Calib Date: 03/26/2025

Initial Calibration Date(s): 03/26/2025 03/26/2025

Continuing Calib Time: 16:54

Initial Calibration Time(s): 12:36 15:28

GC Column: RTX-CLP2 ID: 0.32 (mm)

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
DICAMBA	7.73	7.73	7.63	7.83	0.00
2,4-DCAA	7.54	7.54	7.44	7.64	0.00
DICHLORPROP	8.43	8.43	8.33	8.53	0.00
2,4-D	8.76	8.75	8.65	8.85	-0.01
2,4,5-TP(Silvex)	9.64	9.64	9.54	9.74	0.00
2,4,5-T	10.05	10.05	9.95	10.15	0.00
2,4-DB	10.61	10.61	10.51	10.71	0.00
Dinoseb	10.98	10.98	10.88	11.08	0.00



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** WALS01
Lab Code: ACE **SDG NO.:** Q1626
GC Column: RTX-CLP **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 03/26/2025 03/26/2025

Client Sample No.: CCAL01 **Date Analyzed:** 03/26/2025
Lab Sample No.: HSTDCCC750 **Data File :** PS029552.D **Time Analyzed:** 16:54

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
2,4,5-T	9.381	9.282	9.482	827.740	712.500	16.2
2,4,5-TP(Silvex)	9.088	8.988	9.188	752.360	712.500	5.6
2,4-D	8.230	8.131	8.331	803.930	705.000	14.0
2,4-DB	9.952	9.853	10.053	913.600	712.500	28.2
2,4-DCAA	7.121	7.021	7.221	783.910	750.000	4.5
DICAMBA	7.300	7.200	7.400	725.340	705.000	2.9
DICHLORPROP	7.997	7.896	8.096	727.380	705.000	3.2
Dinoseb	11.132	11.032	11.232	752.480	705.000	6.7



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** WALS01
Lab Code: ACE **SDG NO.:** Q1626
GC Column: RTX-CLP2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 03/26/2025 03/26/2025

Client Sample No.: CCAL01 **Date Analyzed:** 03/26/2025
Lab Sample No.: HSTDCCC750 **Data File :** PS029552.D **Time Analyzed:** 16:54

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
2,4,5-T	10.050	9.950	10.150	751.220	712.500	5.4
2,4,5-TP(Silvex)	9.639	9.539	9.739	749.540	712.500	5.2
2,4-D	8.755	8.654	8.854	726.720	705.000	3.1
2,4-DB	10.609	10.509	10.709	742.130	712.500	4.2
2,4-DCAA	7.542	7.442	7.642	774.480	750.000	3.3
DICAMBA	7.731	7.631	7.831	741.410	705.000	5.2
DICHLORPROP	8.434	8.333	8.533	726.770	705.000	3.1
Dinoseb	10.981	10.881	11.081	734.420	705.000	4.2

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS032725\
 Data File : PS029552.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 26 Mar 2025 16:54
 Operator : AR\AJ
 Sample : HSTDCCC750
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 HSTDCCC750

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Mar 26 17:15:23 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS032625.M
 Quant Title : 8080.M
 QLast Update : Wed Mar 26 16:20:53 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
4) S	2,4-DCAA	7.121	7.542	3252.8E6	728.7E6	783.907	774.475
Target Compounds							
1) T	Dalapon	2.596	2.611	4752.0E6	1633.6E6	713.325	693.302
2) T	3,5-DICHL...	6.310	6.530	4385.6E6	1000.3E6	728.247	721.078
3) T	4-Nitroph...	6.935	7.079	723.8E6	641.8E6	1057.906	705.197 #
5) T	DICAMBA	7.300	7.731	13761.9E6	3935.0E6	725.336	741.415
6) T	MCPD	7.479	7.837	964.0E6	180.1E6	76.530	75.264
7) T	MCPA	7.626	8.074	1167.5E6	236.6E6	77.248	74.719
8) T	DICHLORPROP	7.997	8.434	3187.2E6	906.3E6	727.379	726.770
9) T	2,4-D	8.230	8.755	3066.1E6	1005.5E6	803.932	726.719
10) T	Pentachlo...	8.519	9.262	45231.0E6	18153.4E6	773.463	752.752
11) T	2,4,5-TP ...	9.088	9.639	17986.0E6	7088.0E6	752.356	749.543
12) T	2,4,5-T	9.381	10.050	16305.1E6	6546.4E6	827.737	751.218
13) T	2,4-DB	9.952	10.609	1341.9E6	671.0E6	913.601	742.133
14) T	DINOSEB	11.132	10.981	13544.9E6	4744.8E6	752.482	734.423
15) T	Picloram	10.963	12.043	11026.6E6	10552.5E6	1082.688	768.623 #
16) T	DCPA	11.429	12.007	22888.8E6	9342.8E6	775.693	760.564

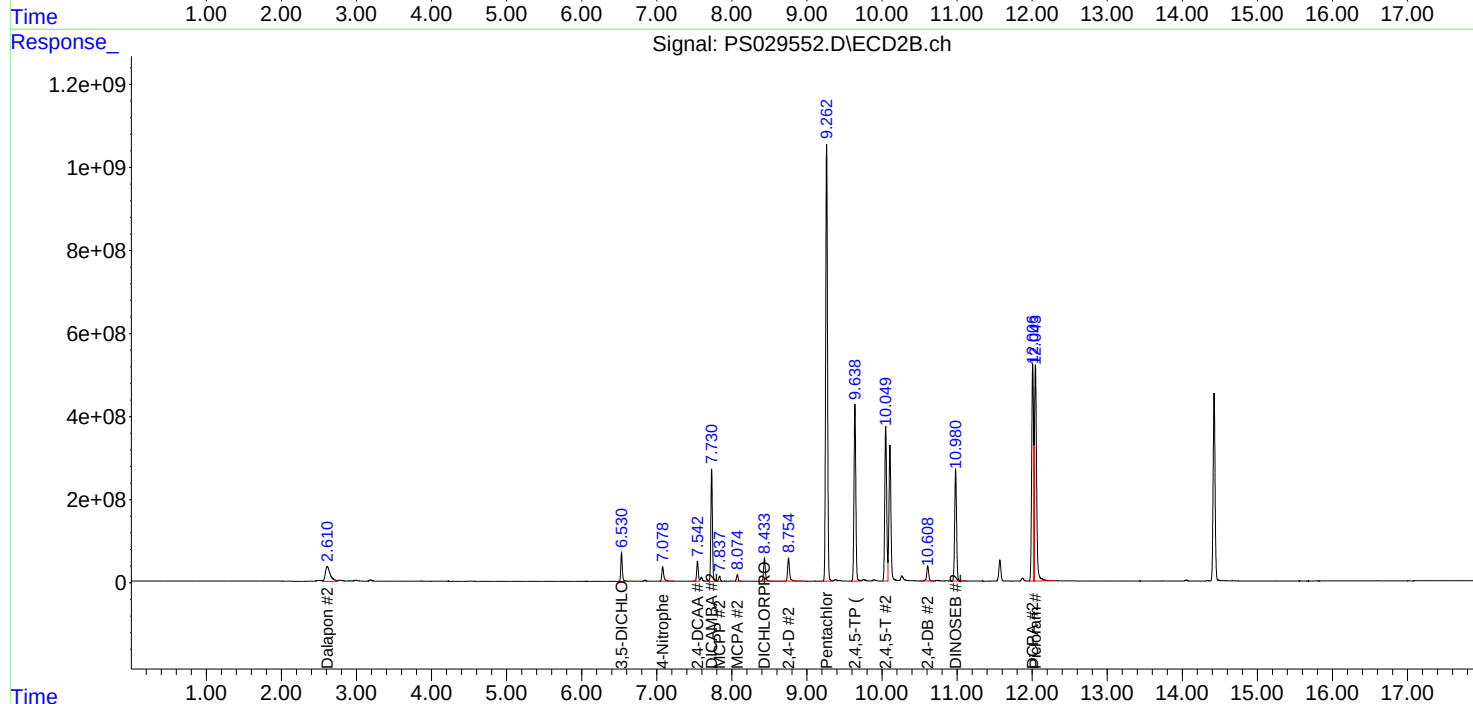
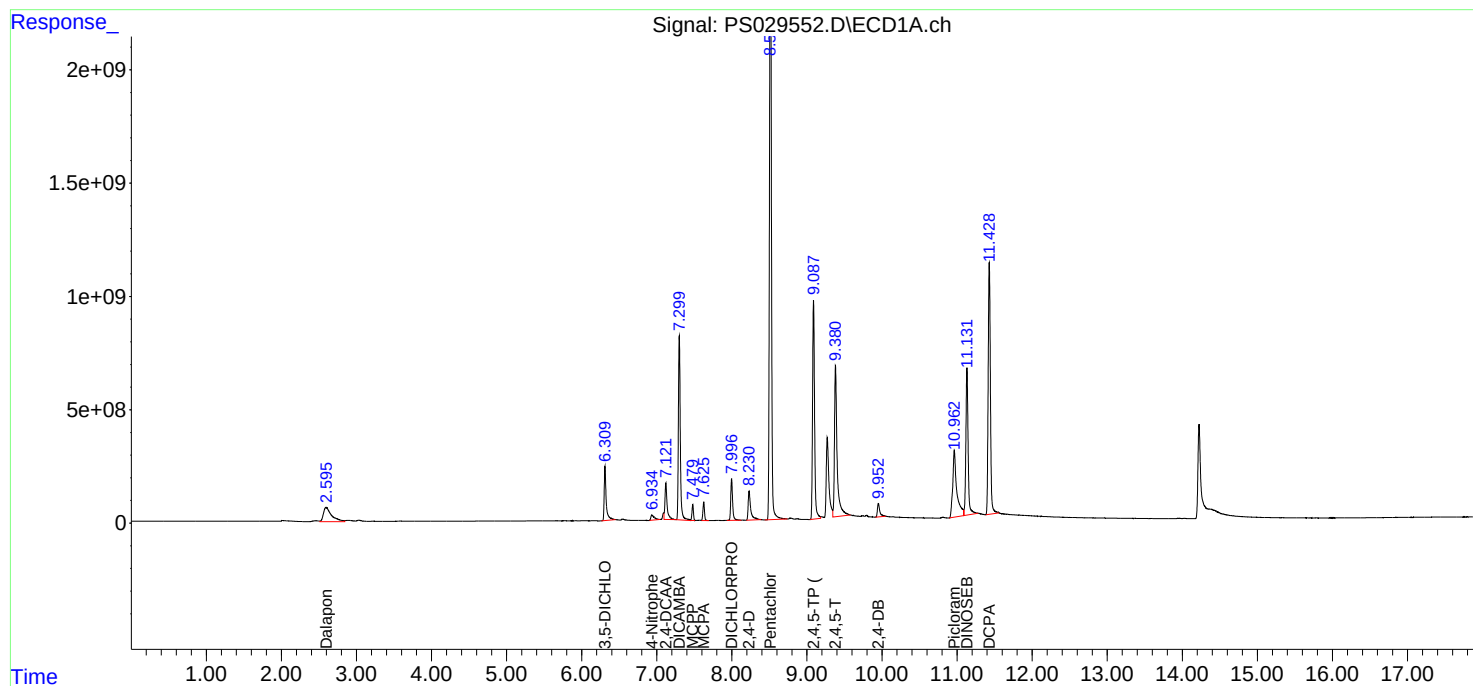
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS032725\
Data File : PS029552.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Mar 2025 16:54
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 26 17:15:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS032625.M
Quant Title : 8080.M
QLast Update : Wed Mar 26 16:20:53 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm





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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: WALS01

Lab Code: ACE

SDG NO.: Q1626

Continuing Calib Date: 03/27/2025

Initial Calibration Date(s): 03/27/2025 03/27/2025

Continuing Calib Time: 22:51

Initial Calibration Time(s): 10:13 11:49

GC Column: RTX-CLP ID: 0.32 (mm)

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
DICAMBA	7.29	7.29	7.19	7.39	0.00
2,4-DCAA	7.11	7.12	7.02	7.22	0.01
DICHLORPROP	7.99	7.99	7.89	8.09	0.00
2,4-D	8.22	8.22	8.12	8.32	0.00
2,4,5-TP(Silvex)	9.08	9.08	8.98	9.18	0.00
2,4,5-T	9.37	9.37	9.27	9.47	0.00
2,4-DB	9.94	9.94	9.84	10.04	0.00
Dinoseb	11.12	11.13	11.03	11.23	0.01



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: WALS01

Lab Code: ACE

SDG NO.: Q1626

Continuing Calib Date: 03/27/2025

Initial Calibration Date(s): 03/27/2025 03/27/2025

Continuing Calib Time: 22:51

Initial Calibration Time(s): 10:13 11:49

GC Column: RTX-CLP2 ID: 0.32 (mm)

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
DICAMBA	7.72	7.73	7.63	7.83	0.01
2,4-DCAA	7.53	7.54	7.44	7.64	0.01
DICHLORPROP	8.43	8.43	8.33	8.53	0.00
2,4-D	8.75	8.75	8.65	8.85	0.01
2,4,5-TP(Silvex)	9.63	9.63	9.53	9.73	0.00
2,4,5-T	10.04	10.04	9.94	10.14	0.00
2,4-DB	10.60	10.60	10.50	10.70	0.00
Dinoseb	10.97	10.97	10.87	11.07	0.00



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** WALS01
Lab Code: ACE **SDG NO.:** Q1626
GC Column: RTX-CLP **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 03/27/2025 03/27/2025

Client Sample No.: CCAL02 **Date Analyzed:** 03/27/2025
Lab Sample No.: HSTDCCC750 **Data File :** PS029588.D **Time Analyzed:** 22:51

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
2,4,5-T	9.371	9.273	9.473	761.260	712.500	6.8
2,4,5-TP(Silvex)	9.080	8.982	9.182	718.400	712.500	0.8
2,4-D	8.220	8.122	8.322	741.930	705.000	5.2
2,4-DB	9.939	9.843	10.043	808.180	712.500	13.4
2,4-DCAA	7.114	7.015	7.215	743.510	750.000	-0.9
DICAMBA	7.293	7.194	7.394	691.940	705.000	-1.9
DICHLORPROP	7.990	7.891	8.091	693.070	705.000	-1.7
Dinoseb	11.124	11.026	11.226	706.110	705.000	0.2



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** WALS01
Lab Code: ACE **SDG NO.:** Q1626
GC Column: RTX-CLP2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 03/27/2025 03/27/2025

Client Sample No.: CCAL02 **Date Analyzed:** 03/27/2025
Lab Sample No.: HSTDCCC750 **Data File :** PS029588.D **Time Analyzed:** 22:51

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	10.040	9.943	10.143	731.070	712.500	2.6
2,4,5-TP(Silvex)	9.630	9.534	9.734	728.840	712.500	2.3
2,4-D	8.745	8.648	8.848	714.600	705.000	1.4
2,4-DB	10.598	10.502	10.702	657.450	712.500	-7.7
2,4-DCAA	7.534	7.437	7.637	753.070	750.000	0.4
DICAMBA	7.724	7.626	7.826	723.310	705.000	2.6
DICHLORPROP	8.425	8.328	8.528	690.810	705.000	-2.0
Dinoseb	10.971	10.874	11.074	707.320	705.000	0.3

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS032825\
 Data File : PS029588.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 27 Mar 2025 22:51
 Operator : AR\AJ
 Sample : HSTDCCC750
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

HSTDCCC750

Manual Integrations**APPROVED**

Reviewed By :Abdul Mirza 03/28/2025

Supervised By :mohammad ahmed 04/01/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Mar 28 03:24:08 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS032825.M
 Quant Title : 8080.M
 QLast Update : Thu Mar 27 12:24:58 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
4) S	2,4-DCAA	7.114	7.534	2855.1E6	650.1E6	743.506	753.071
Target Compounds							
1) T	Dalapon	2.593	2.605	4052.5E6	1379.7E6	683.564	665.121
2) T	3,5-DICHL...	6.304	6.523	4014.6E6	868.4E6	702.275	704.799
3) T	4-Nitroph...	6.919	7.070	937.6E6	561.4E6	881.247	694.985
5) T	DICAMBA	7.293	7.724	10969.2E6	3458.0E6	691.938	723.307
6) T	MCP	7.474	7.831	822.9E6	150.4E6	72.294	72.659
7) T	MCPA	7.620	8.066	1038.4E6	202.6E6	72.201	70.495
8) T	DICHLORPROP	7.990	8.425	3043.9E6	860.5E6	693.066	690.808
9) T	2,4-D	8.220	8.745	2992.8E6	976.1E6	741.929	714.596
10) T	Pentachlo...	8.510	9.254	44453.7E6	16328.1E6	748.127	735.674
11) T	2,4,5-TP ...	9.080	9.630	16735.2E6	6431.8E6	718.403	728.837
12) T	2,4,5-T	9.371	10.040	15680.7E6	5827.1E6	761.262	731.071
13) T	2,4-DB	9.939	10.598	1543.1E6	604.2E6	808.180m	657.449
14) T	DINOSEB	11.124	10.971	12519.5E6	4192.9E6	706.115	707.317
15) T	Picloram	10.947	12.032	12846.5E6	9254.2E6	892.519	741.752
16) T	DCPA	11.422	11.997	20726.8E6	8317.5E6	718.910	741.856

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS032825\
Data File : PS029588.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 22:51
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

HSTDCCC750

Manual Integrations

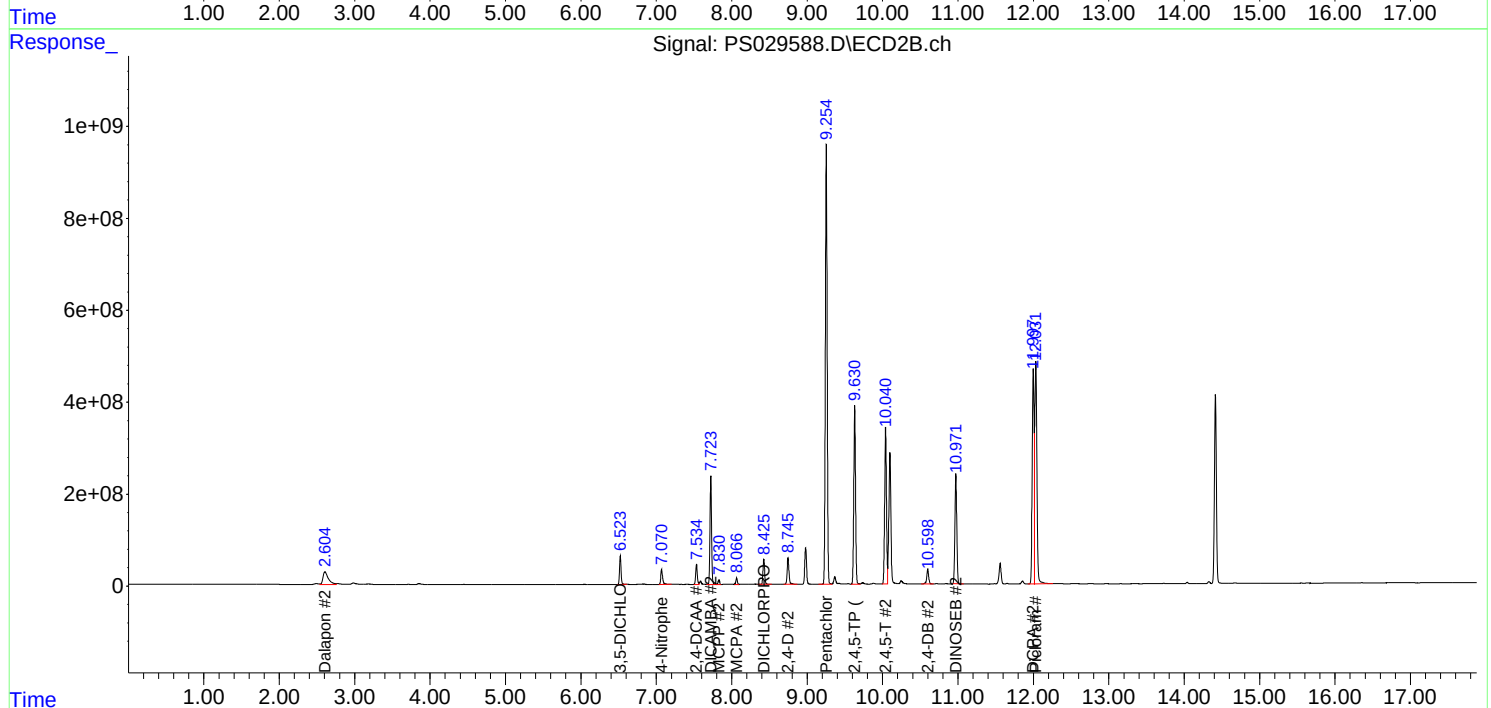
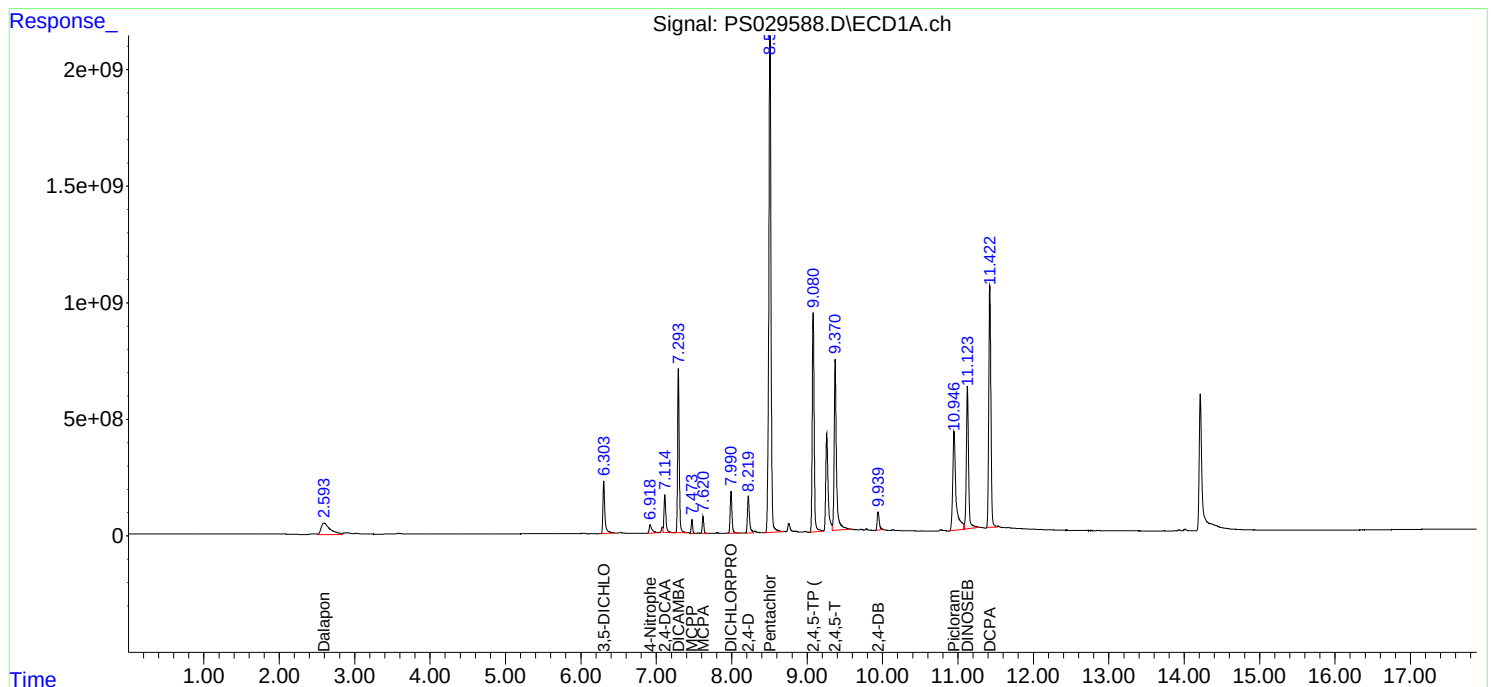
APPROVED

Reviewed By :Abdul Mirza 03/28/2025

Supervised By :mohammad ahmed 04/01/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 28 03:24:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS032825.M
Quant Title : 8080.M
QLast Update : Thu Mar 27 12:24:58 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm





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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: WALS01

Lab Code: ACE

SDG NO.: Q1626

Continuing Calib Date: 03/28/2025

Initial Calibration Date(s): 03/27/2025

03/27/2025

Continuing Calib Time: 04:27

Initial Calibration Time(s): 10:13

11:49

GC Column: RTX-CLP ID: 0.32 (mm)

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
DICAMBA	7.30	7.29	7.19	7.39	-0.01
2,4-DCAA	7.12	7.12	7.02	7.22	0.00
DICHLORPROP	7.99	7.99	7.89	8.09	0.00
2,4-D	8.22	8.22	8.12	8.32	0.00
2,4,5-TP(Silvex)	9.08	9.08	8.98	9.18	0.00
2,4,5-T	9.37	9.37	9.27	9.47	0.00
2,4-DB	9.94	9.94	9.84	10.04	0.00
Dinoseb	11.13	11.13	11.03	11.23	0.00



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: WALS01

Lab Code: ACE

SDG NO.: Q1626

Continuing Calib Date: 03/28/2025

Initial Calibration Date(s): 03/27/2025 03/27/2025

Continuing Calib Time: 04:27

Initial Calibration Time(s): 10:13 11:49

GC Column: RTX-CLP2 ID: 0.32 (mm)

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
DICAMBA	7.72	7.73	7.63	7.83	0.01
2,4-DCAA	7.54	7.54	7.44	7.64	0.01
DICHLORPROP	8.43	8.43	8.33	8.53	0.00
2,4-D	8.75	8.75	8.65	8.85	0.01
2,4,5-TP(Silvex)	9.63	9.63	9.53	9.73	0.00
2,4,5-T	10.04	10.04	9.94	10.14	0.00
2,4-DB	10.60	10.60	10.50	10.70	0.00
Dinoseb	10.97	10.97	10.87	11.07	0.00



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** WALS01
Lab Code: ACE **SDG NO.:** Q1626
GC Column: RTX-CLP **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 03/27/2025 03/27/2025

Client Sample No.: CCAL03 **Date Analyzed:** 03/28/2025
Lab Sample No.: HSTDCCC750 **Data File :** PS029600.D **Time Analyzed:** 04:27

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.373	9.273	9.473	751.370	712.500	5.5
2,4,5-TP(Silvex)	9.082	8.982	9.182	707.180	712.500	-0.7
2,4-D	8.221	8.122	8.322	728.240	705.000	3.3
2,4-DB	9.942	9.843	10.043	818.970	712.500	14.9
2,4-DCAA	7.116	7.015	7.215	733.820	750.000	-2.2
DICAMBA	7.295	7.194	7.394	683.590	705.000	-3.0
DICHLORPROP	7.992	7.891	8.091	687.210	705.000	-2.5
Dinoseb	11.127	11.026	11.226	675.180	705.000	-4.2



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** WALS01
Lab Code: ACE **SDG NO.:** Q1626
GC Column: RTX-CLP2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 03/27/2025 03/27/2025

Client Sample No.: CCAL03 **Date Analyzed:** 03/28/2025
Lab Sample No.: HSTDCCC750 **Data File :** PS029600.D **Time Analyzed:** 04:27

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
2,4,5-T	10.040	9.943	10.143	707.300	712.500	-0.7
2,4,5-TP(Silvex)	9.630	9.534	9.734	710.210	712.500	-0.3
2,4-D	8.745	8.648	8.848	692.900	705.000	-1.7
2,4-DB	10.598	10.502	10.702	637.690	712.500	-10.5
2,4-DCAA	7.535	7.437	7.637	732.700	750.000	-2.3
DICAMBA	7.724	7.626	7.826	703.150	705.000	-0.3
DICHLORPROP	8.426	8.328	8.528	672.740	705.000	-4.6
Dinoseb	10.971	10.874	11.074	674.270	705.000	-4.4

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS032825\
 Data File : PS029600.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 28 Mar 2025 04:27
 Operator : AR\AJ
 Sample : HSTDCCC750
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

HSTDCCC750

Manual Integrations**APPROVED**

Reviewed By :Abdul Mirza 03/28/2025

Supervised By :mohammad ahmed 04/01/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Mar 28 07:22:09 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS032825.M
 Quant Title : 8080.M
 QLast Update : Thu Mar 27 12:24:58 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
4) S	2,4-DCAA	7.116	7.535	2817.9E6	632.5E6	733.816	732.699
Target Compounds							
1) T	Dalapon	2.596	2.606	3964.5E6	1424.0E6	668.718	686.480
2) T	3,5-DICHL...	6.305	6.524	3967.2E6	844.9E6	693.978	685.704
3) T	4-Nitroph...	6.921	7.071	911.3E6	541.8E6	856.472	670.733
5) T	DICAMBA	7.295	7.724	10837.0E6	3361.6E6	683.594	703.146
6) T	MCPD	7.474	7.831	808.0E6	147.3E6	70.979	71.156
7) T	MCPA	7.621	8.066	1016.0E6	197.2E6	70.641	68.608
8) T	DICHLORPROP	7.992	8.426	3018.2E6	838.0E6	687.215	672.739
9) T	2,4-D	8.221	8.745	2937.5E6	946.5E6	728.238	692.902
10) T	Pentachlo...	8.511	9.255	43727.5E6	15895.7E6	735.905	716.193
11) T	2,4,5-TP ...	9.082	9.630	16473.8E6	6267.4E6	707.179	710.212
12) T	2,4,5-T	9.373	10.040	15477.0E6	5637.7E6	751.372	707.301
13) T	2,4-DB	9.942	10.598	1563.7E6	586.0E6	818.973m	637.692
14) T	DINOSEB	11.127	10.971	11971.0E6	3997.0E6	675.180	674.273m
15) T	Picloram	10.950	12.032	12609.6E6	8858.0E6	876.059	709.990
16) T	DCPA	11.424	11.998	20384.1E6	8069.1E6	707.021	719.696

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS032825\
Data File : PS029600.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Mar 2025 04:27
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

HSTDCCC750

Manual Integrations

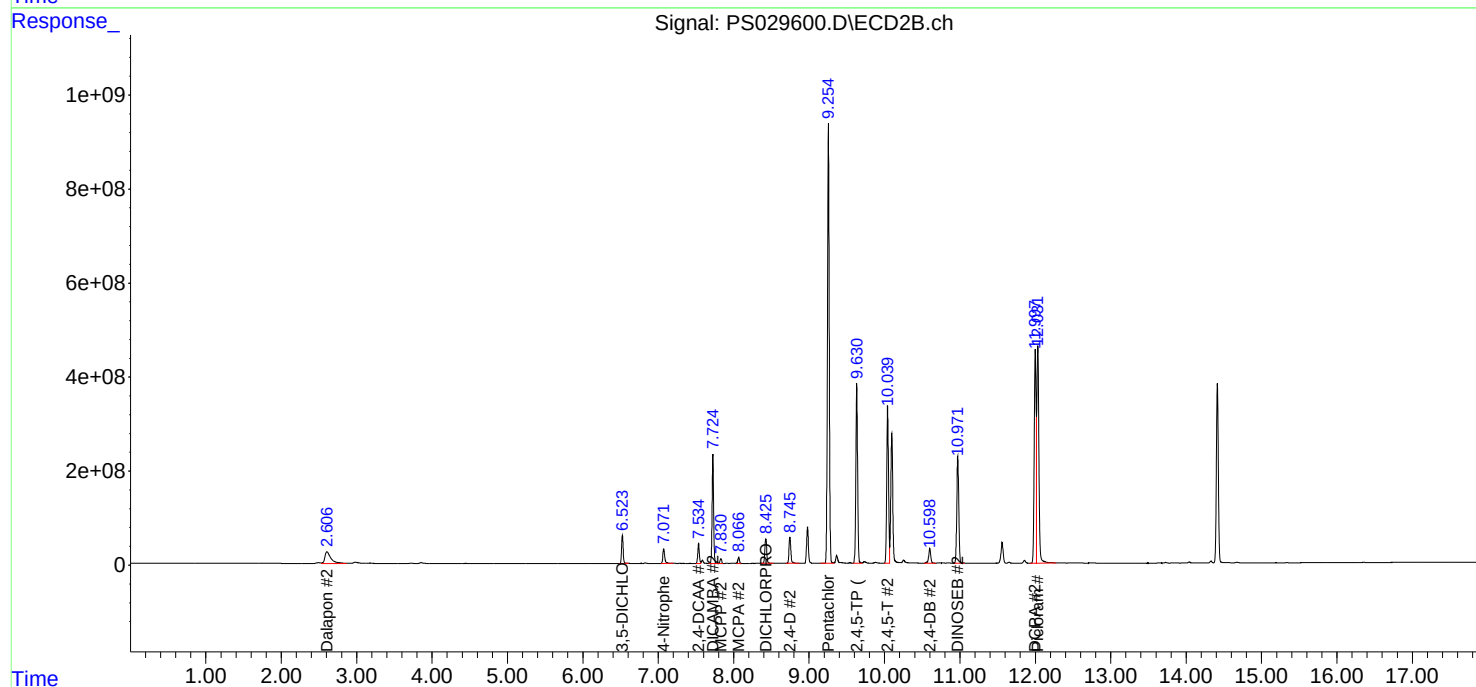
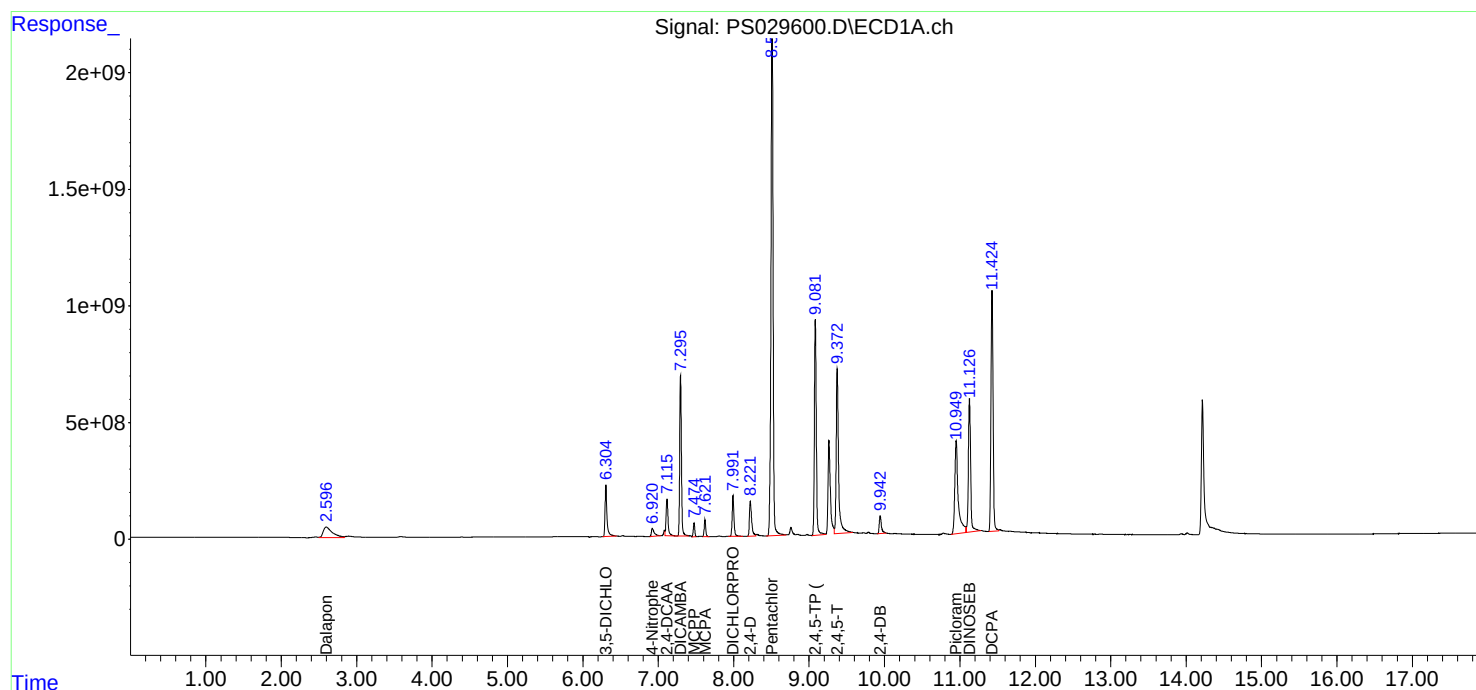
APPROVED

Reviewed By :Abdul Mirza 03/28/2025

Supervised By :mohammad ahmed 04/01/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 28 07:22:09 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS032825.M
Quant Title : 8080.M
QLast Update : Thu Mar 27 12:24:58 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm





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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: WALS01

Lab Code: ACE

SDG NO.: Q1626

Continuing Calib Date: 03/28/2025

Initial Calibration Date(s): 03/27/2025

03/27/2025

Continuing Calib Time: 09:15

Initial Calibration Time(s): 10:13

11:49

GC Column: RTX-CLP ID: 0.32 (mm)

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
DICAMBA	7.29	7.29	7.19	7.39	0.00
2,4-DCAA	7.11	7.12	7.02	7.22	0.01
DICHLORPROP	7.99	7.99	7.89	8.09	0.00
2,4-D	8.22	8.22	8.12	8.32	0.00
2,4,5-TP(Silvex)	9.08	9.08	8.98	9.18	0.00
2,4,5-T	9.37	9.37	9.27	9.47	0.00
2,4-DB	9.94	9.94	9.84	10.04	0.00
Dinoseb	11.13	11.13	11.03	11.23	0.00



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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: WALS01

Lab Code: ACE

SDG NO.: Q1626

Continuing Calib Date: 03/28/2025

Initial Calibration Date(s): 03/27/2025

03/27/2025

Continuing Calib Time: 09:15

Initial Calibration Time(s): 10:13

11:49

GC Column: RTX-CLP2 ID: 0.32 (mm)

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
DICAMBA	7.72	7.73	7.63	7.83	0.01
2,4-DCAA	7.53	7.54	7.44	7.64	0.01
DICHLORPROP	8.42	8.43	8.33	8.53	0.01
2,4-D	8.74	8.75	8.65	8.85	0.01
2,4,5-TP(Silvex)	9.63	9.63	9.53	9.73	0.00
2,4,5-T	10.04	10.04	9.94	10.14	0.00
2,4-DB	10.60	10.60	10.50	10.70	0.00
Dinoseb	10.97	10.97	10.87	11.07	0.00



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** WALS01
Lab Code: ACE **SDG NO.:** Q1626
GC Column: RTX-CLP **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 03/27/2025 03/27/2025

Client Sample No.: CCAL04 **Date Analyzed:** 03/28/2025
Lab Sample No.: HSTDCCC750 **Data File :** PS029612.D **Time Analyzed:** 09:15

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.372	9.273	9.473	785.690	712.500	10.3
2,4,5-TP(Silvex)	9.081	8.982	9.182	742.110	712.500	4.2
2,4-D	8.220	8.122	8.322	764.850	705.000	8.5
2,4-DB	9.940	9.843	10.043	855.010	712.500	20.0
2,4-DCAA	7.114	7.015	7.215	761.470	750.000	1.5
DICAMBA	7.293	7.194	7.394	713.270	705.000	1.2
DICHLORPROP	7.990	7.891	8.091	718.940	705.000	2.0
Dinoseb	11.126	11.026	11.226	733.150	705.000	4.0



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** WALS01
Lab Code: ACE **SDG NO.:** Q1626
GC Column: RTX-CLP2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 03/27/2025 03/27/2025

Client Sample No.: CCAL04 **Date Analyzed:** 03/28/2025
Lab Sample No.: HSTDCCC750 **Data File :** PS029612.D **Time Analyzed:** 09:15

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	10.038	9.943	10.143	749.100	712.500	5.1
2,4,5-TP(Silvex)	9.628	9.534	9.734	747.960	712.500	5.0
2,4-D	8.744	8.648	8.848	727.670	705.000	3.2
2,4-DB	10.596	10.502	10.702	663.410	712.500	-6.9
2,4-DCAA	7.533	7.437	7.637	767.240	750.000	2.3
DICAMBA	7.722	7.626	7.826	741.650	705.000	5.2
DICHLORPROP	8.424	8.328	8.528	713.010	705.000	1.1
Dinoseb	10.969	10.874	11.074	737.540	705.000	4.6

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS032825\
 Data File : PS029612.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 28 Mar 2025 09:15
 Operator : AR\AJ
 Sample : HSTDCCC750
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

HSTDCCC750

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 03/28/2025

Supervised By :mohammad ahmed 04/01/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Mar 28 09:43:39 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS032825.M
 Quant Title : 8080.M
 QLast Update : Thu Mar 27 12:24:58 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
4) S	2,4-DCAA	7.114	7.533	2924.1E6	662.4E6	761.473	767.244
Target Compounds							
1) T	Dalapon	2.592	2.608	4133.8E6	1407.4E6	697.277	678.507
2) T	3,5-DICHL...	6.303	6.522	4135.7E6	889.7E6	723.463	722.096
3) T	4-Nitroph...	6.919	7.069	958.3E6	577.8E6	900.689	715.274
5) T	DICAMBA	7.293	7.722	11307.3E6	3545.6E6	713.266	741.645
6) T	MCPD	7.474	7.829	854.7E6	154.3E6	75.085	74.537
7) T	MCPA	7.620	8.065	1079.6E6	208.7E6	75.065	72.608
8) T	DICHLORPROP	7.990	8.424	3157.6E6	888.1E6	718.944	713.012
9) T	2,4-D	8.220	8.744	3085.3E6	994.0E6	764.855	727.671
10) T	Pentachlo...	8.512	9.252	45322.1E6	16723.5E6	762.741	753.490
11) T	2,4,5-TP ...	9.081	9.628	17287.4E6	6600.6E6	742.108	747.965
12) T	2,4,5-T	9.372	10.038	16183.9E6	5970.8E6	785.693	749.101
13) T	2,4-DB	9.940	10.596	1632.5E6	609.6E6	855.012m	663.414
14) T	DINOSEB	11.126	10.969	12998.8E6	4372.0E6	733.149	737.537m
15) T	Picloram	10.948	12.029	13153.6E6	9442.6E6	913.860	756.848
16) T	DCPA	11.424	11.995	21320.1E6	8497.0E6	739.487	757.865

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS032825\
Data File : PS029612.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Mar 2025 09:15
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 5 Sample Multiplier: 1

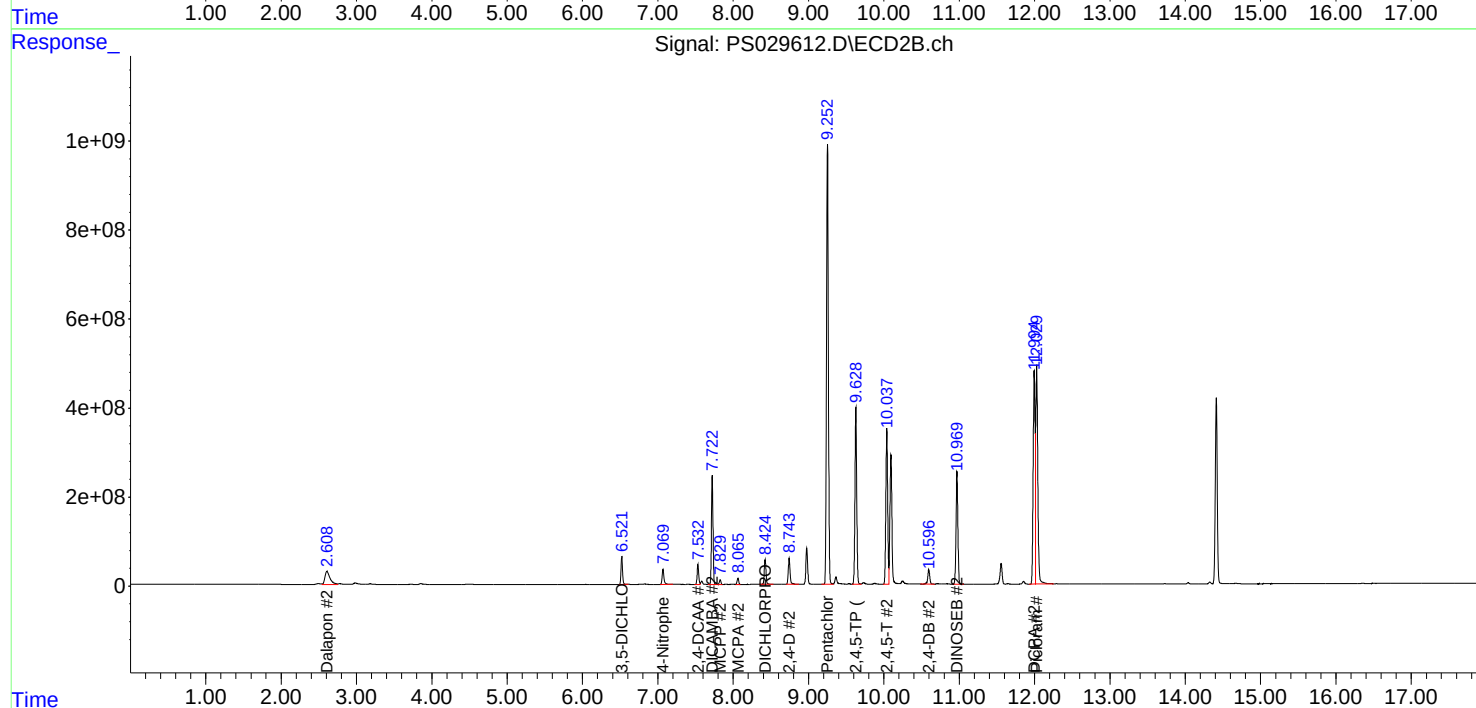
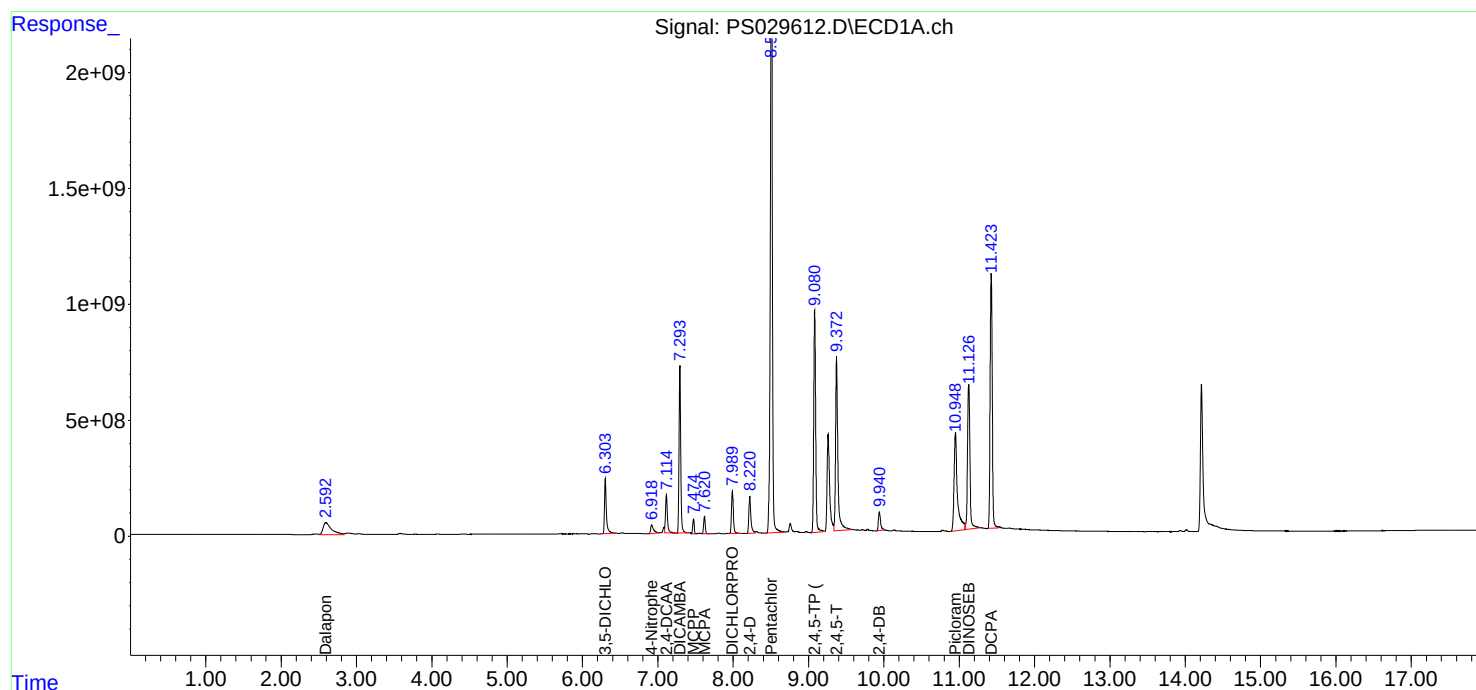
Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/28/2025
Supervised By :mohammad ahmed 04/01/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 28 09:43:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS032825.M
Quant Title : 8080.M
QLast Update : Thu Mar 27 12:24:58 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm





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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: WALS01

Lab Code: ACE

SDG NO.: Q1626

Continuing Calib Date: 04/03/2025

Initial Calibration Date(s): 04/02/2025

04/02/2025

Continuing Calib Time: 12:32

Initial Calibration Time(s): 17:32

20:44

GC Column: RTX-CLP ID: 0.32 (mm)

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
DICAMBA	7.14	7.14	7.04	7.24	0.00
2,4-DCAA	6.96	6.96	6.86	7.06	0.00
DICHLORPROP	7.82	7.82	7.72	7.92	0.00
2,4-D	8.04	8.04	7.94	8.14	0.00
2,4,5-TP(Silvex)	8.89	8.89	8.79	8.99	0.00
2,4,5-T	9.17	9.17	9.07	9.27	0.00
2,4-DB	9.73	9.73	9.63	9.83	0.00
Dinoseb	10.89	10.90	10.80	11.00	0.01



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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: WALS01

Lab Code: ACE

SDG NO.: Q1626

Continuing Calib Date: 04/03/2025

Initial Calibration Date(s): 04/02/2025

04/02/2025

Continuing Calib Time: 12:32

Initial Calibration Time(s): 17:32

20:44

GC Column: RTX-CLP2 ID: 0.32 (mm)

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
DICAMBA	7.66	7.66	7.56	7.76	0.00
2,4-DCAA	7.48	7.48	7.38	7.58	0.01
DICHLORPROP	8.36	8.36	8.26	8.46	0.00
2,4-D	8.67	8.67	8.57	8.77	0.00
2,4,5-TP(Silvex)	9.55	9.55	9.45	9.65	0.00
2,4,5-T	9.96	9.96	9.86	10.06	0.00
2,4-DB	10.51	10.51	10.41	10.61	0.00
Dinoseb	10.89	10.89	10.79	10.99	0.00



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** WALS01
Lab Code: ACE **SDG NO.:** Q1626
GC Column: RTX-CLP **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 04/02/2025 04/02/2025

Client Sample No.: CCAL05 **Date Analyzed:** 04/03/2025
Lab Sample No.: HSTDCCC750 **Data File :** PS029673.D **Time Analyzed:** 12:32

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
2,4,5-T	9.168	9.070	9.270	779.490	712.500	9.4
2,4,5-TP(Silvex)	8.886	8.788	8.988	768.730	712.500	7.9
2,4-D	8.041	7.942	8.142	733.210	705.000	4.0
2,4-DB	9.728	9.629	9.829	806.090	712.500	13.1
2,4-DCAA	6.962	6.863	7.063	802.670	750.000	7.0
DICAMBA	7.139	7.040	7.240	776.950	705.000	10.2
DICHLORPROP	7.820	7.722	7.922	728.610	705.000	3.3
Dinoseb	10.893	10.795	10.995	776.720	705.000	10.2



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** WALS01
Lab Code: ACE **SDG NO.:** Q1626
GC Column: RTX-CLP2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 04/02/2025 04/02/2025

Client Sample No.: CCAL05 **Date Analyzed:** 04/03/2025
Lab Sample No.: HSTDCCC750 **Data File :** PS029673.D **Time Analyzed:** 12:32

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.956	9.857	10.057	772.470	712.500	8.4
2,4,5-TP(Silvex)	9.551	9.451	9.651	766.290	712.500	7.5
2,4-D	8.671	8.571	8.771	723.340	705.000	2.6
2,4-DB	10.513	10.414	10.614	759.120	712.500	6.5
2,4-DCAA	7.475	7.375	7.575	795.550	750.000	6.1
DICAMBA	7.662	7.562	7.762	764.890	705.000	8.5
DICHLORPROP	8.356	8.256	8.456	721.790	705.000	2.4
Dinoseb	10.886	10.787	10.987	748.210	705.000	6.1

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS040325\
 Data File : PS029673.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 03 Apr 2025 12:32
 Operator : AR\AJ
 Sample : HSTDCCC750
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 HSTDCCC750

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 03 13:24:20 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS040225.M
 Quant Title : 8080.M
 QLast Update : Wed Apr 02 23:52:55 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
4) S	2,4-DCAA	6.962	7.475	1636.5E6	542.2E6	802.673	795.551
Target Compounds							
1) T	Dalapon	2.463	2.533	2484.8E6	1116.9E6	732.449	703.496
2) T	3,5-DICHL...	6.164	6.470	2259.3E6	711.9E6	751.148	737.307
3) T	4-Nitroph...	6.752	7.009	1042.0E6	508.9E6	741.749	717.780
5) T	DICAMBA	7.139	7.662	6465.8E6	2825.0E6	776.953	764.890
6) T	MCPD	7.317	7.768	434.7E6	133.5E6	80.206	79.075
7) T	MCPA	7.460	7.999	572.5E6	173.2E6	78.761	76.145
8) T	DICHLORPROP	7.820	8.356	1602.5E6	697.4E6	728.609	721.791
9) T	2,4-D	8.041	8.671	1766.7E6	780.1E6	733.211	723.339
10) T	Pentachlo...	8.319	9.173	22707.0E6	13863.7E6	746.819	773.314
11) T	2,4,5-TP ...	8.886	9.551	8929.0E6	5527.2E6	768.727	766.292
12) T	2,4,5-T	9.168	9.956	8967.6E6	5177.7E6	779.493	772.468
13) T	2,4-DB	9.728	10.513	1464.5E6	563.2E6	806.087	759.122
14) T	DINOSEB	10.893	10.886	6557.1E6	3825.4E6	776.722	748.208
15) T	Picloram	10.711	11.925	11677.8E6	8329.0E6	753.384	704.387
16) T	DCPA	11.194	11.912	10964.7E6	7282.4E6	785.096	822.809

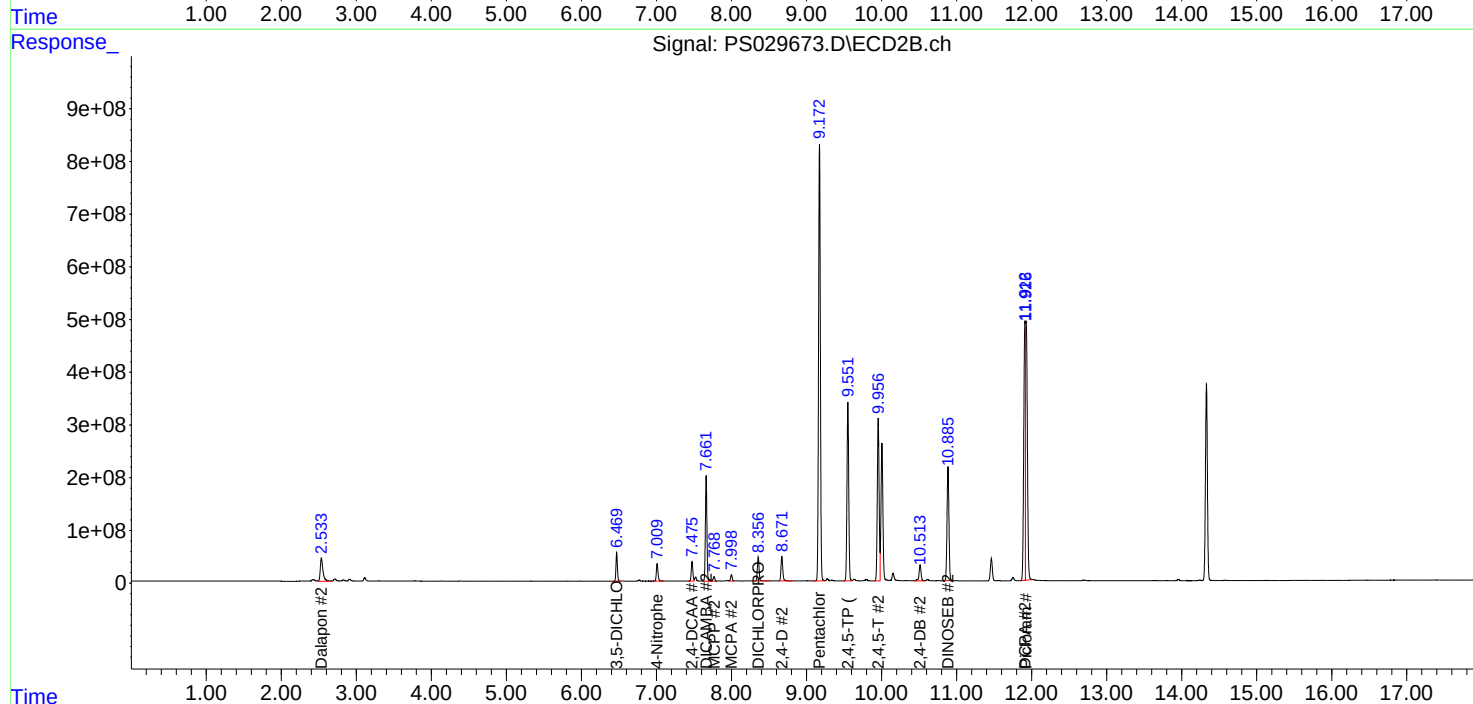
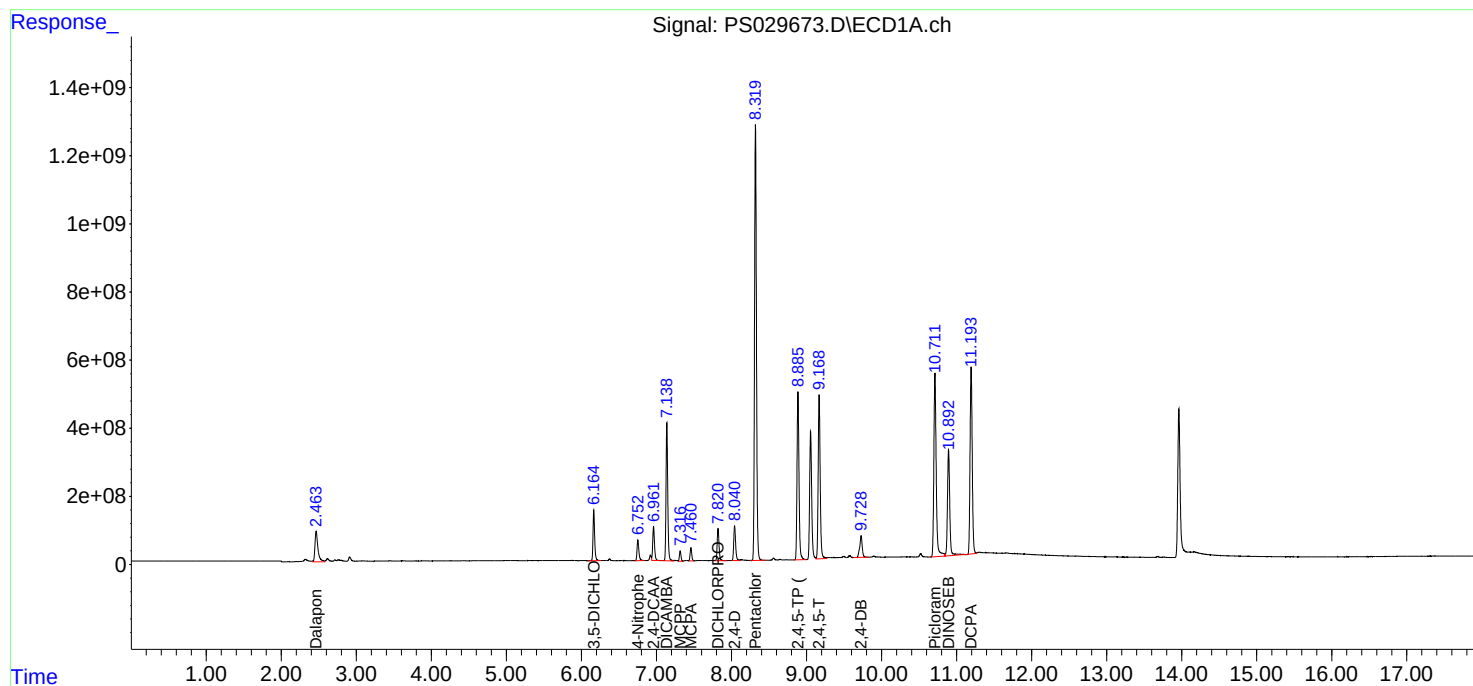
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS040325\
Data File : PS029673.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Apr 2025 12:32
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 03 13:24:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS040225.M
Quant Title : 8080.M
QLast Update : Wed Apr 02 23:52:55 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm





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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: WALS01

Lab Code: ACE

SDG NO.: Q1626

Continuing Calib Date: 04/03/2025

Initial Calibration Date(s): 04/02/2025

04/02/2025

Continuing Calib Time: 17:59

Initial Calibration Time(s): 17:32

20:44

GC Column: RTX-CLP ID: 0.32 (mm)

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
DICAMBA	7.14	7.14	7.04	7.24	0.00
2,4-DCAA	6.96	6.96	6.86	7.06	0.00
DICHLORPROP	7.82	7.82	7.72	7.92	0.00
2,4-D	8.04	8.04	7.94	8.14	0.00
2,4,5-TP(Silvex)	8.89	8.89	8.79	8.99	0.00
2,4,5-T	9.17	9.17	9.07	9.27	0.00
2,4-DB	9.73	9.73	9.63	9.83	0.00
Dinoseb	10.89	10.90	10.80	11.00	0.01



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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: WALS01

Lab Code: ACE

SDG NO.: Q1626

Continuing Calib Date: 04/03/2025

Initial Calibration Date(s): 04/02/2025

04/02/2025

Continuing Calib Time: 17:59

Initial Calibration Time(s): 17:32

20:44

GC Column: RTX-CLP2 ID: 0.32 (mm)

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
DICAMBA	7.66	7.66	7.56	7.76	0.00
2,4-DCAA	7.47	7.48	7.38	7.58	0.01
DICHLORPROP	8.35	8.36	8.26	8.46	0.01
2,4-D	8.67	8.67	8.57	8.77	0.00
2,4,5-TP(Silvex)	9.55	9.55	9.45	9.65	0.00
2,4,5-T	9.95	9.96	9.86	10.06	0.01
2,4-DB	10.51	10.51	10.41	10.61	0.00
Dinoseb	10.88	10.89	10.79	10.99	0.01



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** WALS01
Lab Code: ACE **SDG NO.:** Q1626
GC Column: RTX-CLP **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 04/02/2025 04/02/2025

Client Sample No.: CCAL06 **Date Analyzed:** 04/03/2025
Lab Sample No.: HSTDCCC750 **Data File :** PS029683.D **Time Analyzed:** 17:59

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
2,4,5-T	9.167	9.070	9.270	758.130	712.500	6.4
2,4,5-TP(Silvex)	8.885	8.788	8.988	749.150	712.500	5.1
2,4-D	8.039	7.942	8.142	743.970	705.000	5.5
2,4-DB	9.726	9.629	9.829	794.180	712.500	11.5
2,4-DCAA	6.959	6.863	7.063	774.190	750.000	3.2
DICAMBA	7.136	7.040	7.240	756.430	705.000	7.3
DICHLORPROP	7.818	7.722	7.922	716.230	705.000	1.6
Dinoseb	10.891	10.795	10.995	739.250	705.000	4.9



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** WALS01
Lab Code: ACE **SDG NO.:** Q1626
GC Column: RTX-CLP2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 04/02/2025 04/02/2025

Client Sample No.: CCAL06 **Date Analyzed:** 04/03/2025
Lab Sample No.: HSTDCCC750 **Data File :** PS029683.D **Time Analyzed:** 17:59

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
2,4,5-T	9.952	9.857	10.057	750.240	712.500	5.3
2,4,5-TP(Silvex)	9.547	9.451	9.651	739.400	712.500	3.8
2,4-D	8.667	8.571	8.771	698.790	705.000	-0.9
2,4-DB	10.509	10.414	10.614	734.590	712.500	3.1
2,4-DCAA	7.472	7.375	7.575	761.460	750.000	1.5
DICAMBA	7.658	7.562	7.762	729.850	705.000	3.5
DICHLORPROP	8.353	8.256	8.456	695.620	705.000	-1.3
Dinoseb	10.881	10.787	10.987	725.750	705.000	2.9

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS040325\
 Data File : PS029683.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 03 Apr 2025 17:59
 Operator : AR\AJ
 Sample : HSTDCCC750
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 HSTDCCC750

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 04/04/2025
 Supervised By :mohammad ahmed 04/05/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 04 01:29:25 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS040225.M
 Quant Title : 8080.M
 QLast Update : Wed Apr 02 23:52:55 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
4) S	2,4-DCAA	6.959	7.472	1578.4E6	518.9E6	774.190	761.460
Target Compounds							
1) T	Dalapon	2.461	2.529	2597.0E6	1132.2E6	765.535	713.148
2) T	3,5-DICHL...	6.162	6.466	2200.1E6	687.0E6	731.464	711.513
3) T	4-Nitroph...	6.750	7.005	1015.0E6	490.8E6	722.491	692.239
5) T	DICAMBA	7.136	7.658	6295.0E6	2695.6E6	756.434	729.846
6) T	MCPD	7.315	7.765	412.9E6	127.4E6	76.185	75.453
7) T	MCPA	7.458	7.996	536.1E6	164.9E6	73.748	72.461
8) T	DICHLORPROP	7.818	8.353	1575.3E6	672.1E6	716.226	695.619
9) T	2,4-D	8.039	8.667	1792.7E6	753.6E6	743.970	698.794
10) T	Pentachlo...	8.318	9.169	21965.8E6	13367.2E6	722.440	745.616
11) T	2,4,5-TP ...	8.885	9.547	8701.7E6	5333.2E6	749.152	739.397
12) T	2,4,5-T	9.167	9.952	8721.8E6	5028.7E6	758.129	750.239
13) T	2,4-DB	9.726	10.509	1442.8E6	545.0E6	794.180	734.588
14) T	DINOSEB	10.891	10.881	6240.8E6	3710.6E6	739.248	725.755
15) T	Picloram	10.709	11.923	11636.0E6	8532.2E6	750.692	721.572m
16) T	DCPA	11.192	11.913	10626.3E6	6944.6E6	760.866	784.645m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS040325\
Data File : PS029683.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Apr 2025 17:59
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 30 Sample Multiplier: 1

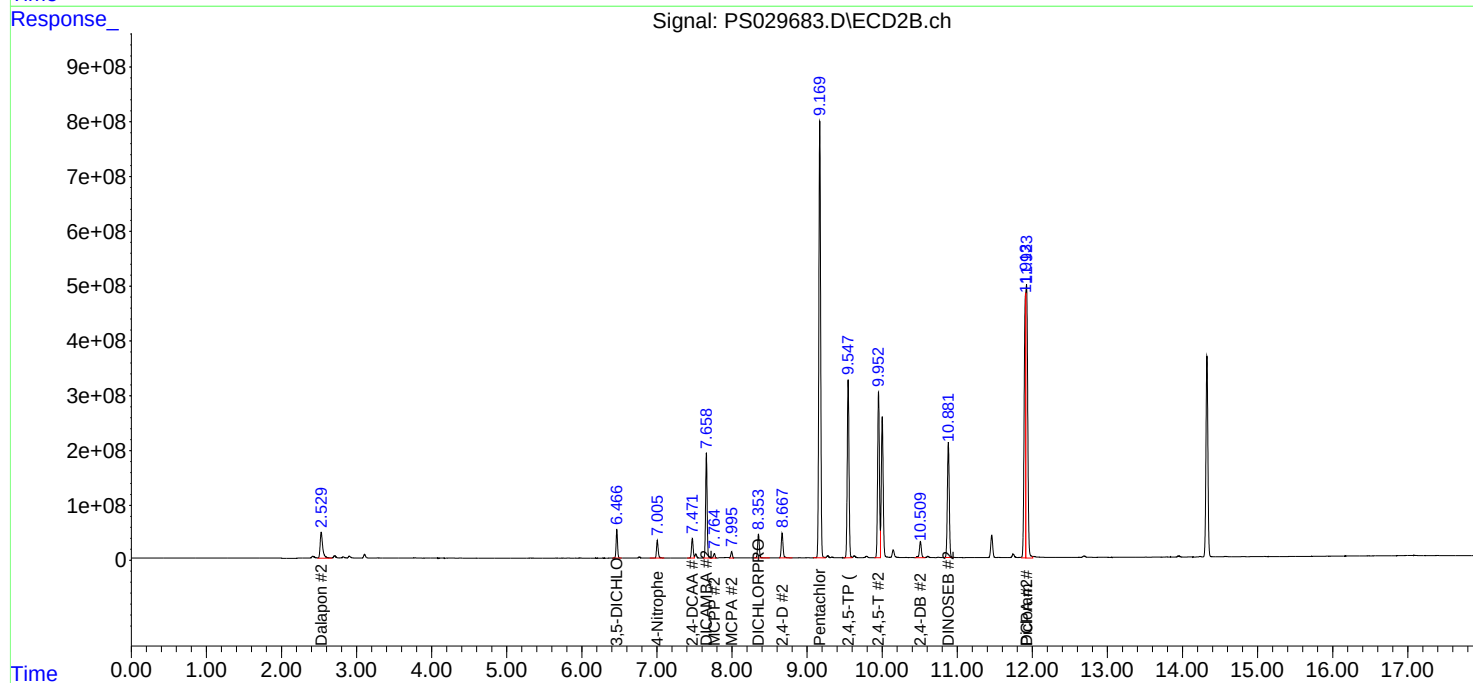
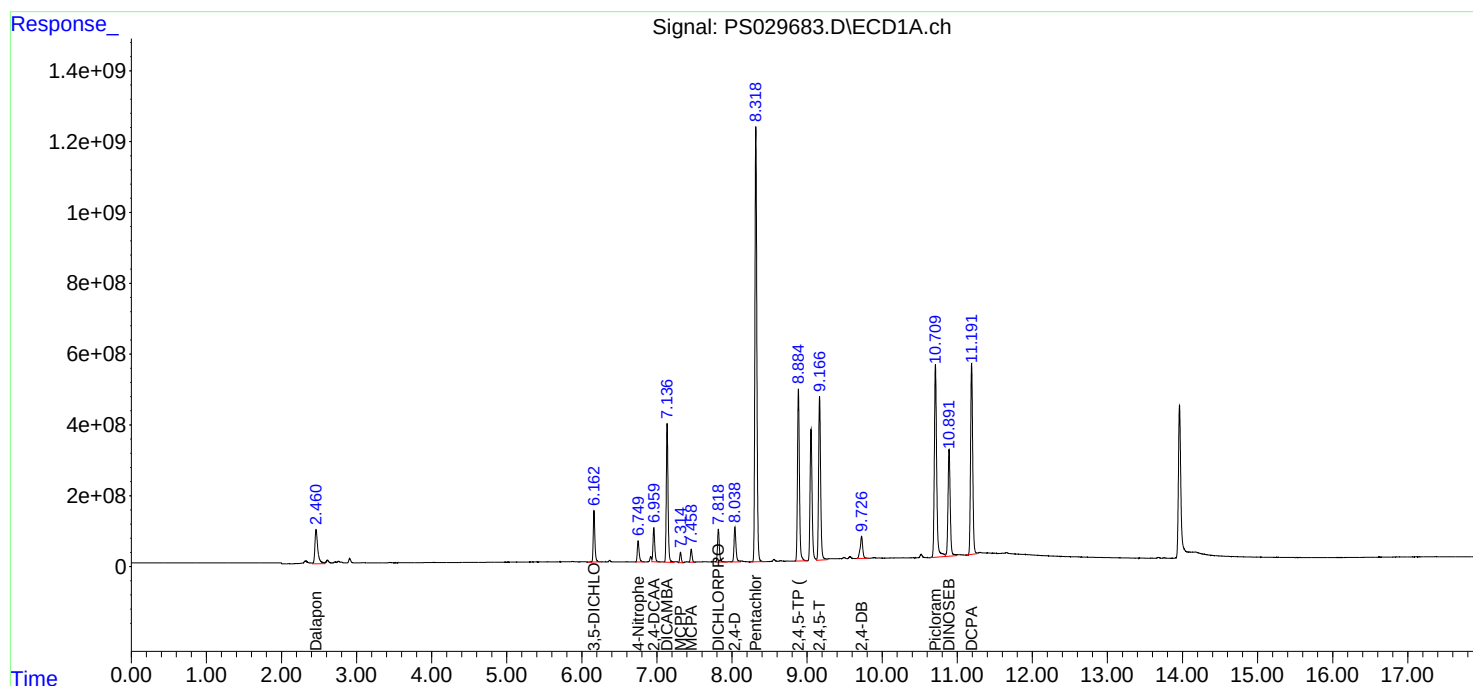
Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 04/04/2025
Supervised By : mohammad ahmed 04/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 04 01:29:25 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS040225.M
Quant Title : 8080.M
QLast Update : Wed Apr 02 23:52:55 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x 0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



Analytical Sequence

Client: Walsh Construction Company II, LLC	SDG No.: Q1626
Project: Walsh CO-032 Sampling	Instrument ID: ECD_S
GC Column: RTX-CLP	ID: 0.32 (mm) Inst. Calib. Date(s): 03/26/2025 03/26/2025

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES,
AND STANDARDS IS GIVEN BELOW:

CLIENT ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCAA RT #	RT #
IBLK	IBLK	03/26/2025	12:12	PS029543.D	7.13	0.00
HSTDICC200	HSTDICC200	03/26/2025	12:36	PS029544.D	7.13	0.00
HSTDICC500	HSTDICC500	03/26/2025	13:04	PS029545.D	7.13	0.00
HSTDICC750	HSTDICC750	03/26/2025	13:28	PS029546.D	7.12	0.00
HSTDICC1000	HSTDICC1000	03/26/2025	13:52	PS029547.D	7.12	0.00
HSTDICC1500	HSTDICC1500	03/26/2025	14:16	PS029548.D	7.12	0.00
HSTDICC200	HSTDICC200	03/26/2025	15:28	PS029549.D	7.13	0.00
IBLK	IBLK	03/26/2025	16:30	PS029551.D	7.13	0.00
HSTDCCC750	HSTDCCC750	03/26/2025	16:54	PS029552.D	7.12	0.00
CO-32-1	Q1626-01	03/26/2025	17:42	PS029554.D	7.12	0.00
IBLK	IBLK	03/27/2025	09:49	PS029557.D	7.12	0.00
HSTDICC200	HSTDICC200	03/27/2025	10:13	PS029558.D	7.12	0.00
HSTDICC500	HSTDICC500	03/27/2025	10:37	PS029559.D	7.12	0.00
HSTDICC750	HSTDICC750	03/27/2025	11:01	PS029560.D	7.12	0.00
HSTDICC1000	HSTDICC1000	03/27/2025	11:25	PS029561.D	7.11	0.00
HSTDICC1500	HSTDICC1500	03/27/2025	11:49	PS029562.D	7.11	0.00
IBLK	IBLK	03/27/2025	22:26	PS029587.D	7.11	0.00
HSTDCCC750	HSTDCCC750	03/27/2025	22:51	PS029588.D	7.11	0.00
CO-32-1	Q1626-01	03/28/2025	01:15	PS029593.D	7.11	0.00
CO-32-1MS	Q1626-01MS	03/28/2025	01:39	PS029594.D	7.11	0.00
CO-32-1MSD	Q1626-01MSD	03/28/2025	02:03	PS029595.D	7.11	0.00
IBLK	IBLK	03/28/2025	03:39	PS029599.D	7.12	0.00
HSTDCCC750	HSTDCCC750	03/28/2025	04:27	PS029600.D	7.12	0.00
PB167293BL	PB167293BL	03/28/2025	05:39	PS029603.D	7.11	0.00
IBLK	IBLK	03/28/2025	08:51	PS029611.D	7.12	0.00
HSTDCCC750	HSTDCCC750	03/28/2025	09:15	PS029612.D	7.11	0.00
IBLK	IBLK	04/02/2025	16:44	PS029656.D	6.96	0.00
HSTDICC200	HSTDICC200	04/02/2025	17:32	PS029657.D	6.96	0.00
HSTDICC500	HSTDICC500	04/02/2025	17:56	PS029658.D	6.96	0.00
HSTDICC750	HSTDICC750	04/02/2025	18:44	PS029659.D	6.96	0.00
HSTDICC1000	HSTDICC1000	04/02/2025	19:32	PS029660.D	6.96	0.00
HSTDICC1500	HSTDICC1500	04/02/2025	20:44	PS029661.D	6.96	0.00
IBLK	IBLK	04/03/2025	12:08	PS029672.D	6.96	0.00
HSTDCCC750	HSTDCCC750	04/03/2025	12:32	PS029673.D	6.96	0.00
PB167293BS	PB167293BS	04/03/2025	16:06	PS029681.D	6.96	0.00
IBLK	IBLK	04/03/2025	16:40	PS029682.D	6.96	0.00
HSTDCCC750	HSTDCCC750	04/03/2025	17:59	PS029683.D	6.96	0.00

Analytical Sequence

Client: Walsh Construction Company II, LLC	SDG No.: Q1626
Project: Walsh CO-032 Sampling	Instrument ID: ECD_S
GC Column: RTX-CLP2	ID: 0.32 (mm) Inst. Calib. Date(s): 03/26/2025 03/26/2025

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES,
AND STANDARDS IS GIVEN BELOW:

CLIENT ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCAA RT #	RT #
IBLK	IBLK	03/26/2025	12:12	PS029543.D	7.54	0.00
HSTDICC200	HSTDICC200	03/26/2025	12:36	PS029544.D	7.55	0.00
HSTDICC500	HSTDICC500	03/26/2025	13:04	PS029545.D	7.54	0.00
HSTDICC750	HSTDICC750	03/26/2025	13:28	PS029546.D	7.54	0.00
HSTDICC1000	HSTDICC1000	03/26/2025	13:52	PS029547.D	7.54	0.00
HSTDICC1500	HSTDICC1500	03/26/2025	14:16	PS029548.D	7.54	0.00
HSTDICC200	HSTDICC200	03/26/2025	15:28	PS029549.D	7.54	0.00
IBLK	IBLK	03/26/2025	16:30	PS029551.D	7.54	0.00
HSTDCCC750	HSTDCCC750	03/26/2025	16:54	PS029552.D	7.54	0.00
CO-32-1	Q1626-01	03/26/2025	17:42	PS029554.D	7.54	0.00
IBLK	IBLK	03/27/2025	09:49	PS029557.D	7.54	0.00
HSTDICC200	HSTDICC200	03/27/2025	10:13	PS029558.D	7.54	0.00
HSTDICC500	HSTDICC500	03/27/2025	10:37	PS029559.D	7.54	0.00
HSTDICC750	HSTDICC750	03/27/2025	11:01	PS029560.D	7.54	0.00
HSTDICC1000	HSTDICC1000	03/27/2025	11:25	PS029561.D	7.54	0.00
HSTDICC1500	HSTDICC1500	03/27/2025	11:49	PS029562.D	7.54	0.00
IBLK	IBLK	03/27/2025	22:26	PS029587.D	7.54	0.00
HSTDCCC750	HSTDCCC750	03/27/2025	22:51	PS029588.D	7.53	0.00
CO-32-1	Q1626-01	03/28/2025	01:15	PS029593.D	7.53	0.00
CO-32-1MS	Q1626-01MS	03/28/2025	01:39	PS029594.D	7.53	0.00
CO-32-1MSD	Q1626-01MSD	03/28/2025	02:03	PS029595.D	7.53	0.00
IBLK	IBLK	03/28/2025	03:39	PS029599.D	7.54	0.00
HSTDCCC750	HSTDCCC750	03/28/2025	04:27	PS029600.D	7.54	0.00
PB167293BL	PB167293BL	03/28/2025	05:39	PS029603.D	7.53	0.00
IBLK	IBLK	03/28/2025	08:51	PS029611.D	7.53	0.00
HSTDCCC750	HSTDCCC750	03/28/2025	09:15	PS029612.D	7.53	0.00
IBLK	IBLK	04/02/2025	16:44	PS029656.D	7.48	0.00
HSTDICC200	HSTDICC200	04/02/2025	17:32	PS029657.D	7.48	0.00
HSTDICC500	HSTDICC500	04/02/2025	17:56	PS029658.D	7.48	0.00
HSTDICC750	HSTDICC750	04/02/2025	18:44	PS029659.D	7.48	0.00
HSTDICC1000	HSTDICC1000	04/02/2025	19:32	PS029660.D	7.48	0.00
HSTDICC1500	HSTDICC1500	04/02/2025	20:44	PS029661.D	7.48	0.00
IBLK	IBLK	04/03/2025	12:08	PS029672.D	7.47	0.00
HSTDCCC750	HSTDCCC750	04/03/2025	12:32	PS029673.D	7.48	0.00
PB167293BS	PB167293BS	04/03/2025	16:06	PS029681.D	7.48	0.00
IBLK	IBLK	04/03/2025	16:40	PS029682.D	7.47	0.00
HSTDCCC750	HSTDCCC750	04/03/2025	17:59	PS029683.D	7.47	0.00

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

CO-32-1MS

Lab Name: Alliance

Contract: WALS01

Lab Code: ACE

SDG NO.: Q1626

Lab Sample ID: Q1626-01MS

Date(s) Analyzed: 03/28/2025 03/28/2025

Instrument ID (1): ECD_S

Instrument ID (2): ECD_S

GC Column: (1): RTX-CLP

ID: 0.32 (mm)

GC Column:(2): RTX-CLP2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
DICHLORPROP	1	7.99	7.94	8.04	18.5	2.7
	2	8.43	8.38	8.48	19.0	
2,4-D	1	8.22	8.17	8.27	53.1	32.4
	2	8.75	8.70	8.80	38.3	
2,4,5-TP(Silvex)	1	9.08	9.03	9.13	14.0	5.1
	2	9.63	9.58	9.68	13.3	
2,4,5-T	1	9.37	9.32	9.42	22.8	17.7
	2	10.04	9.99	10.09	19.1	
DICAMBA	1	7.29	7.24	7.34	42.3	20
	2	7.72	7.67	7.77	34.6	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

CO-32-1MSD

Lab Name: Alliance

Contract: WALS01

Lab Code: ACE

SDG NO.: Q1626

Lab Sample ID: Q1626-01MSD

Date(s) Analyzed: 03/28/2025 03/28/2025

Instrument ID (1): ECD_S

Instrument ID (2): ECD_S

GC Column: (1): RTX-CLP

ID: 0.32 (mm)

GC Column:(2): RTX-CLP2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
DICHLORPROP	1	7.99	7.94	8.04	18.1	1.7
	2	8.43	8.38	8.48	17.8	
2,4-D	1	8.23	8.18	8.28	51.5	30.4
	2	8.75	8.70	8.80	37.9	
2,4,5-TP(Silvex)	1	9.08	9.03	9.13	14.1	18.6
	2	9.63	9.58	9.68	11.7	
2,4,5-T	1	9.38	9.33	9.43	22.8	16.6
	2	10.04	9.99	10.09	19.3	
DICAMBA	1	7.29	7.24	7.34	42.3	19.7
	2	7.72	7.67	7.77	34.7	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB167293BS

Lab Name: Alliance

Contract: WALS01

Lab Code: ACE

SDG NO.: Q1626

Lab Sample ID: PB167293BS

Date(s) Analyzed: 04/03/2025 04/03/2025

Instrument ID (1): ECD_S

Instrument ID (2): ECD_S

GC Column: (1): RTX-CLP

ID: 0.32 (mm)

GC Column:(2): RTX-CLP2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
DICHLORPROP	1	7.82	7.77	7.87	184	0.5
	2	8.36	8.31	8.41	183	
2,4-D	1	8.04	7.99	8.09	184	1.1
	2	8.67	8.62	8.72	186	
2,4,5-TP(Silvex)	1	8.89	8.84	8.94	188	2.1
	2	9.55	9.50	9.60	192	
2,4,5-T	1	9.17	9.12	9.22	189	2.6
	2	9.96	9.91	10.01	194	
2,4-DB	1	9.73	9.68	9.78	188	1.6
	2	10.51	10.46	10.56	185	
Dinoseb	1	10.89	10.84	10.94	185	1.6
	2	10.88	10.83	10.93	188	
DICAMBA	1	7.14	7.09	7.19	187	0
	2	7.66	7.61	7.71	187	



QC SAMPLE DATA



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client: Walsh Construction Company II, LLC
 Project: Walsh CO-032 Sampling
 Client Sample ID: PB167293BL
 Lab Sample ID: PB167293BL
 Analytical Method: 8151A
 Sample Wt/Vol: 30.02 g Final Vol: 10000 uL
 Prep Method: 8151A Prep Date: 03/25/25

Date Collected:
 Date Received:
 SDG No.: Q1626
 Matrix: SOIL
 % Solid: 100
 Test: Herbicide

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
1918-00-9	DICAMBA	7.70	U	1	7.70	67.0	ug/Kg	03/28/25 05:39	PB167293
120-36-5	DICHLORPROP	12.8	U	1	12.8	67.0	ug/Kg	03/28/25 05:39	PB167293
94-75-7	2,4-D	9.00	U	1	9.00	67.0	ug/Kg	03/28/25 05:39	PB167293
93-72-1	2,4,5-TP (Silvex)	9.10	U	1	9.10	67.0	ug/Kg	03/28/25 05:39	PB167293
93-76-5	2,4,5-T	8.70	U	1	8.70	67.0	ug/Kg	03/28/25 05:39	PB167293
94-82-6	2,4-DB	24.2	U	1	24.2	67.0	ug/Kg	03/28/25 05:39	PB167293
88-85-7	DINOSEB	10.8	U	1	10.8	67.0	ug/Kg	03/28/25 05:39	PB167293
SURROGATES									
19719-28-9	2,4-DCAA	495			10 - 141	99%	SPK: 500		

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS032825\
 Data File : PS029603.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 28 Mar 2025 05:39
 Operator : AR\AJ
 Sample : PB167293BL
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 PB167293BL

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/28/2025
 Supervised By :mohammad ahmed 04/01/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Mar 28 07:23:40 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS032825.M
 Quant Title : 8080.M
 QLast Update : Thu Mar 27 12:24:58 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
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 System Monitoring Compounds

4) S	2,4-DCAA	7.113	7.533	1899.0E6	413.0E6	494.523m	478.369
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Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS032825\
Data File : PS029603.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Mar 2025 05:39
Operator : AR\AJ
Sample : PB167293BL
Misc :
ALS Vial : 40 Sample Multiplier: 1

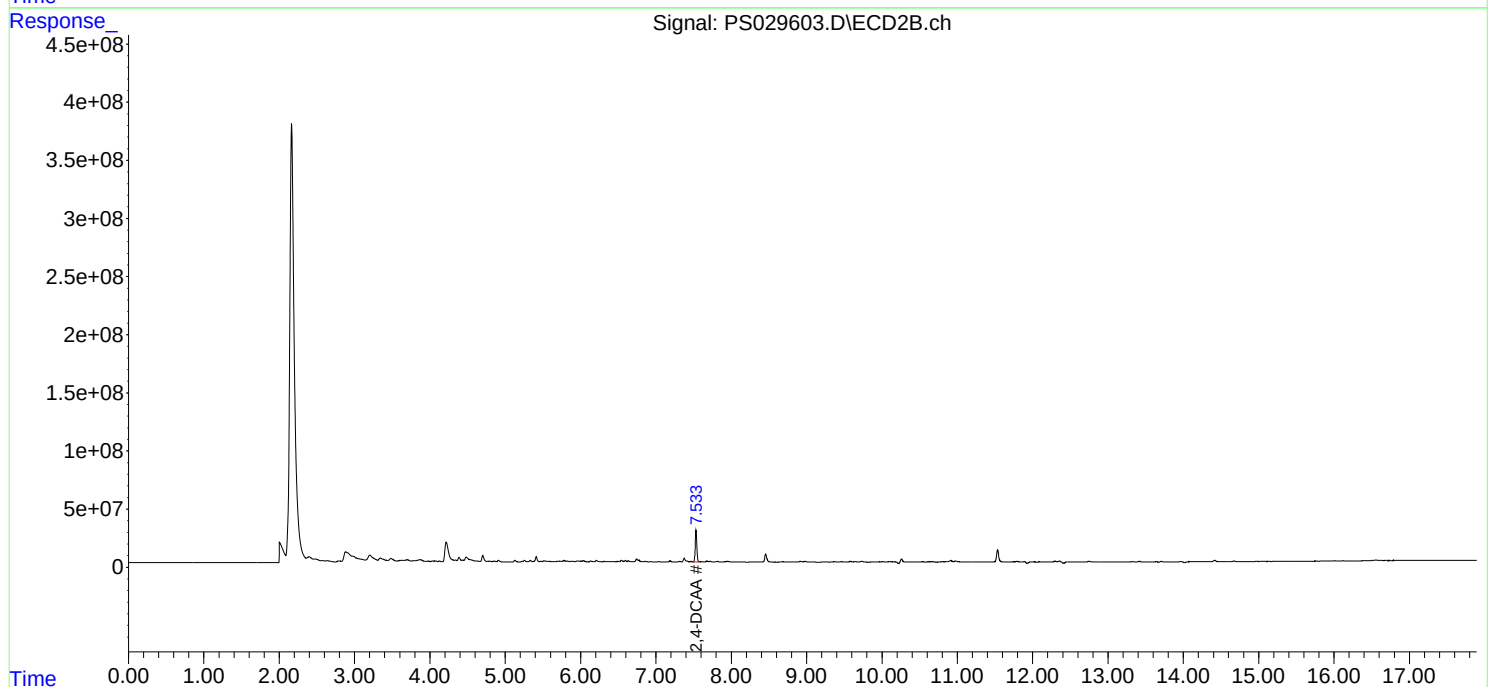
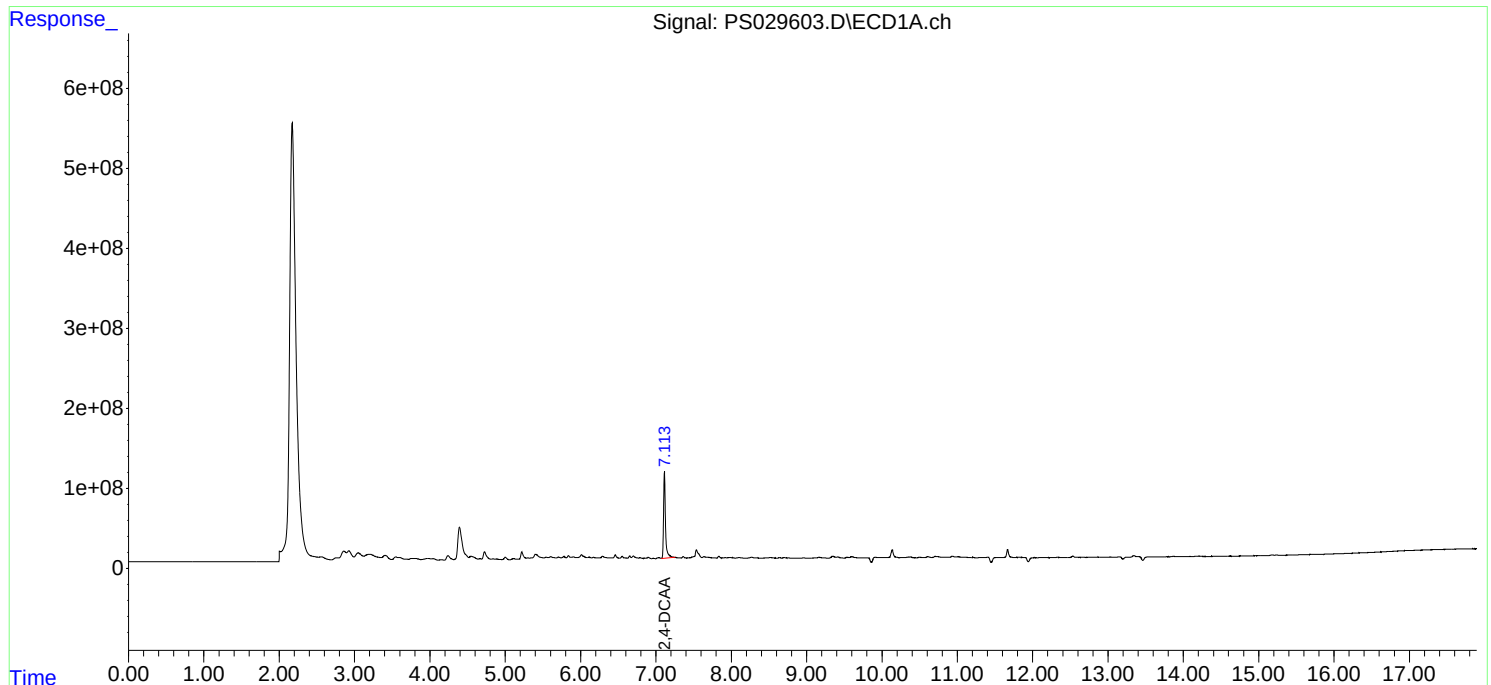
Instrument :
ECD_S
ClientSampleId :
PB167293BL

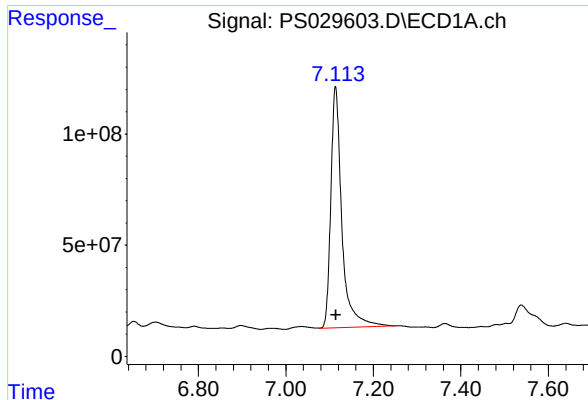
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 03/28/2025
Supervised By : mohammad ahmed 04/01/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 28 07:23:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS032825.M
Quant Title : 8080.M
QLast Update : Thu Mar 27 12:24:58 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x 0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm





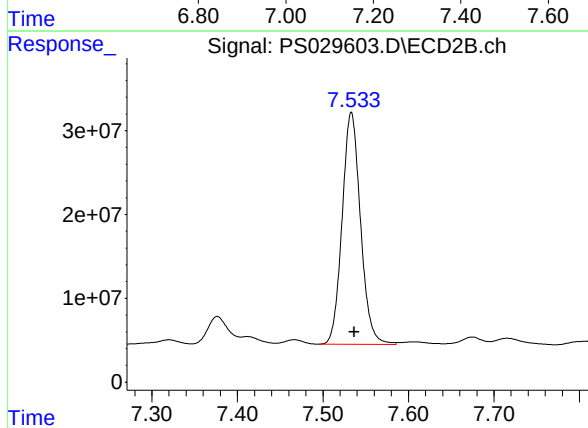
#4 2,4-DCAA

R.T.: 7.113 min
Delta R.T.: -0.002 min
Response: 1899014725
Conc: 494.52 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB167293BL

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/28/2025
Supervised By :mohammad ahmed 04/01/2025



#4 2,4-DCAA

R.T.: 7.533 min
Delta R.T.: -0.003 min
Response: 412974367
Conc: 478.37 ng/ml



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Walsh Construction Company II, LLC		Date Collected:	03/26/25
Project:	Walsh CO-032 Sampling		Date Received:	03/26/25
Client Sample ID:	PIBLK-PS029543.D		SDG No.:	Q1626
Lab Sample ID:	I.BLK-PS029543.D		Matrix:	WATER
Analytical Method:	8151A		% Solid:	0
Sample Wt/Vol:	1000 mL	Final Vol: 10000 uL	Test:	Herbicide
Prep Method:	8151A	Prep Date:		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
1918-00-9	DICAMBA	0.65	U	1	0.65	2.00	ug/L	03/26/25	PS032725
120-36-5	DICHLORPROP	0.76	U	1	0.76	2.00	ug/L	03/26/25	PS032725
94-75-7	2,4-D	0.92	U	1	0.92	2.00	ug/L	03/26/25	PS032725
93-72-1	2,4,5-TP (Silvex)	0.78	U	1	0.78	2.00	ug/L	03/26/25	PS032725
93-76-5	2,4,5-T	0.71	U	1	0.71	2.00	ug/L	03/26/25	PS032725
94-82-6	2,4-DB	0.65	U	1	0.65	2.00	ug/L	03/26/25	PS032725
88-85-7	DINOSEB	0.89	U	1	0.89	2.00	ug/L	03/26/25	PS032725
SURROGATES									
19719-28-9	2,4-DCAA	483			39 - 175	97%	SPK: 500		

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS032725\
 Data File : PS029543.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 26 Mar 2025 12:12
 Operator : AR\AJ
 Sample : I.BLK
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 I.BLK

Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 03/27/2025
 Supervised By : mohammad ahmed 03/28/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time : Mar 26 16:27:15 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS032625.M
 Quant Title : 8080.M
 QLast Update : Wed Mar 26 16:20:53 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds						
4) S 2,4-DCAA	7.132	7.544	1290.5E6	454.4E6	310.997m	482.874 #

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS032725\
Data File : PS029543.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Mar 2025 12:12
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

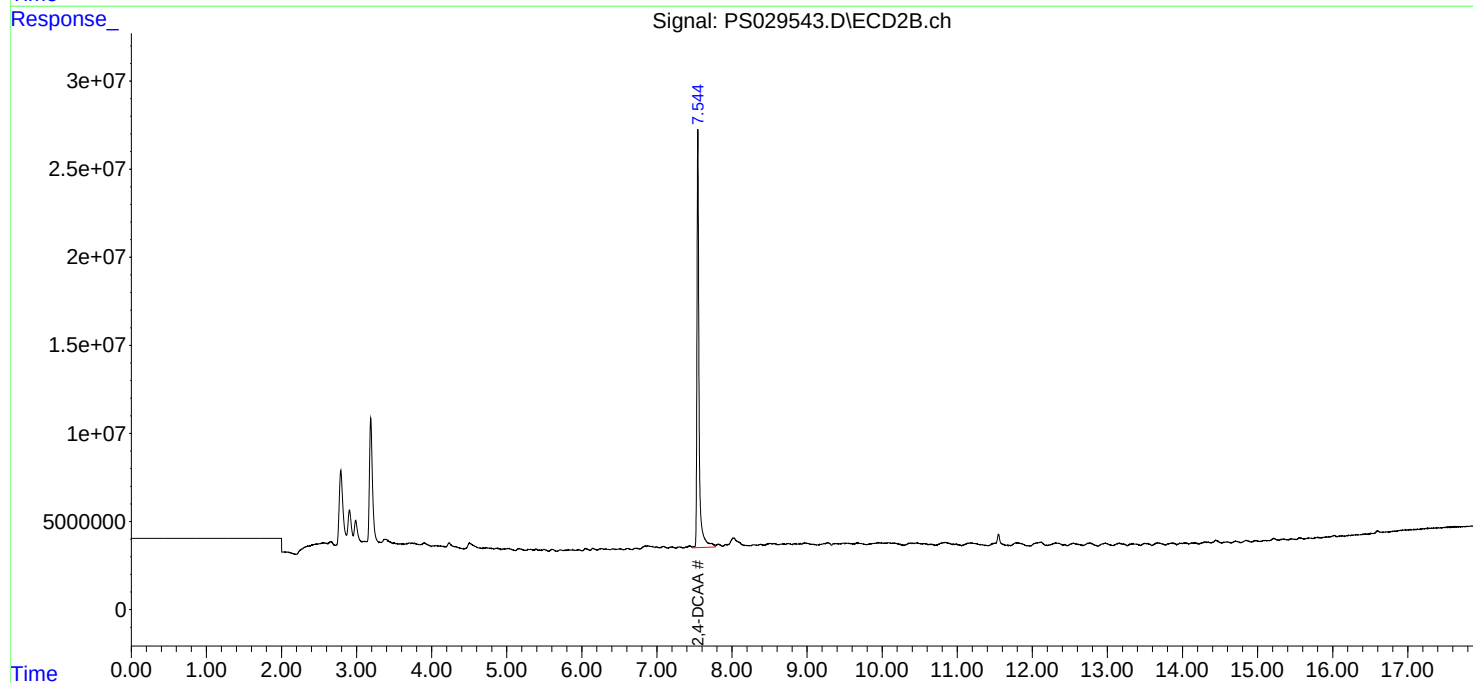
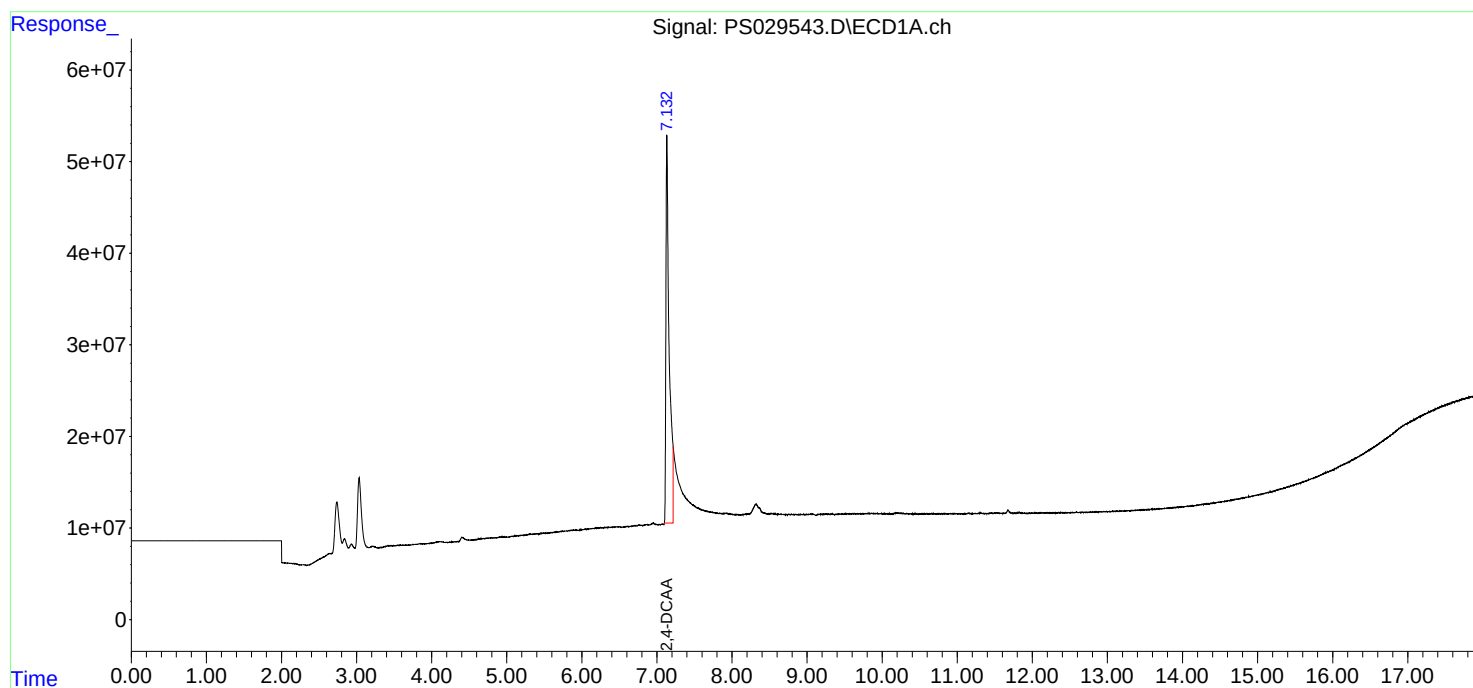
Instrument :
ECD_S
ClientSampleId :
I.BLK

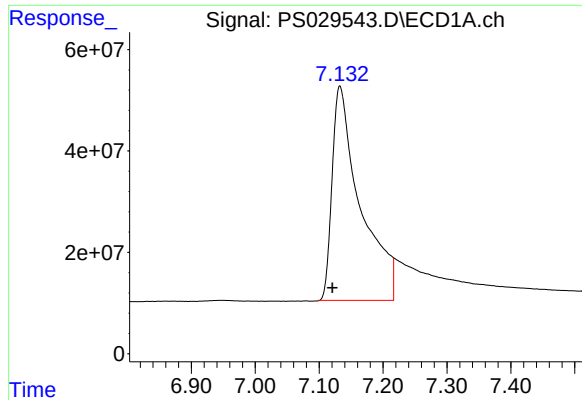
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 03/27/2025
Supervised By : mohammad ahmed 03/28/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 26 16:27:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS032625.M
Quant Title : 8080.M
QLast Update : Wed Mar 26 16:20:53 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm





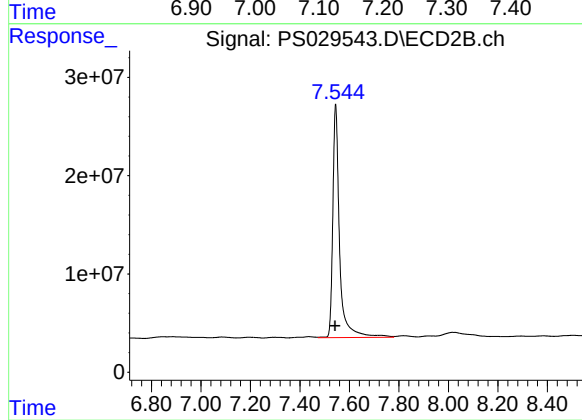
#4 2,4-DCAA

R.T.: 7.132 min
Delta R.T.: 0.011 min
Response: 1290459913
Conc: 311.00 ng/ml

Instrument :
ECD_S
ClientSampleId :
I.BLK

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/27/2025
Supervised By :mohammad ahmed 03/28/2025



#4 2,4-DCAA

R.T.: 7.544 min
Delta R.T.: 0.003 min
Response: 454362049
Conc: 482.87 ng/ml



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Walsh Construction Company II, LLC		Date Collected:	03/26/25
Project:	Walsh CO-032 Sampling		Date Received:	03/26/25
Client Sample ID:	PIBLK-PS029551.D		SDG No.:	Q1626
Lab Sample ID:	I.BLK-PS029551.D		Matrix:	WATER
Analytical Method:	8151A		% Solid:	0
Sample Wt/Vol:	1000 mL	Final Vol: 10000 uL	Test:	Herbicide
Prep Method:	8151A	Prep Date:		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
1918-00-9	DICAMBA	0.65	U	1	0.65	2.00	ug/L	03/26/25	PS032725
120-36-5	DICHLORPROP	0.76	U	1	0.76	2.00	ug/L	03/26/25	PS032725
94-75-7	2,4-D	0.92	U	1	0.92	2.00	ug/L	03/26/25	PS032725
93-72-1	2,4,5-TP (Silvex)	0.78	U	1	0.78	2.00	ug/L	03/26/25	PS032725
93-76-5	2,4,5-T	0.71	U	1	0.71	2.00	ug/L	03/26/25	PS032725
94-82-6	2,4-DB	0.65	U	1	0.65	2.00	ug/L	03/26/25	PS032725
88-85-7	DINOSEB	0.89	U	1	0.89	2.00	ug/L	03/26/25	PS032725
SURROGATES									
19719-28-9	2,4-DCAA	470			39 - 175	94%	SPK: 500		

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS032725\
Data File : PS029551.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Mar 2025 16:30
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 26 17:09:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS032625.M
Quant Title : 8080.M
QLast Update : Wed Mar 26 16:20:53 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds						
4) S 2,4-DCAA	7.125	7.541	1548.0E6	442.0E6	373.052	469.727 #

Target Compounds

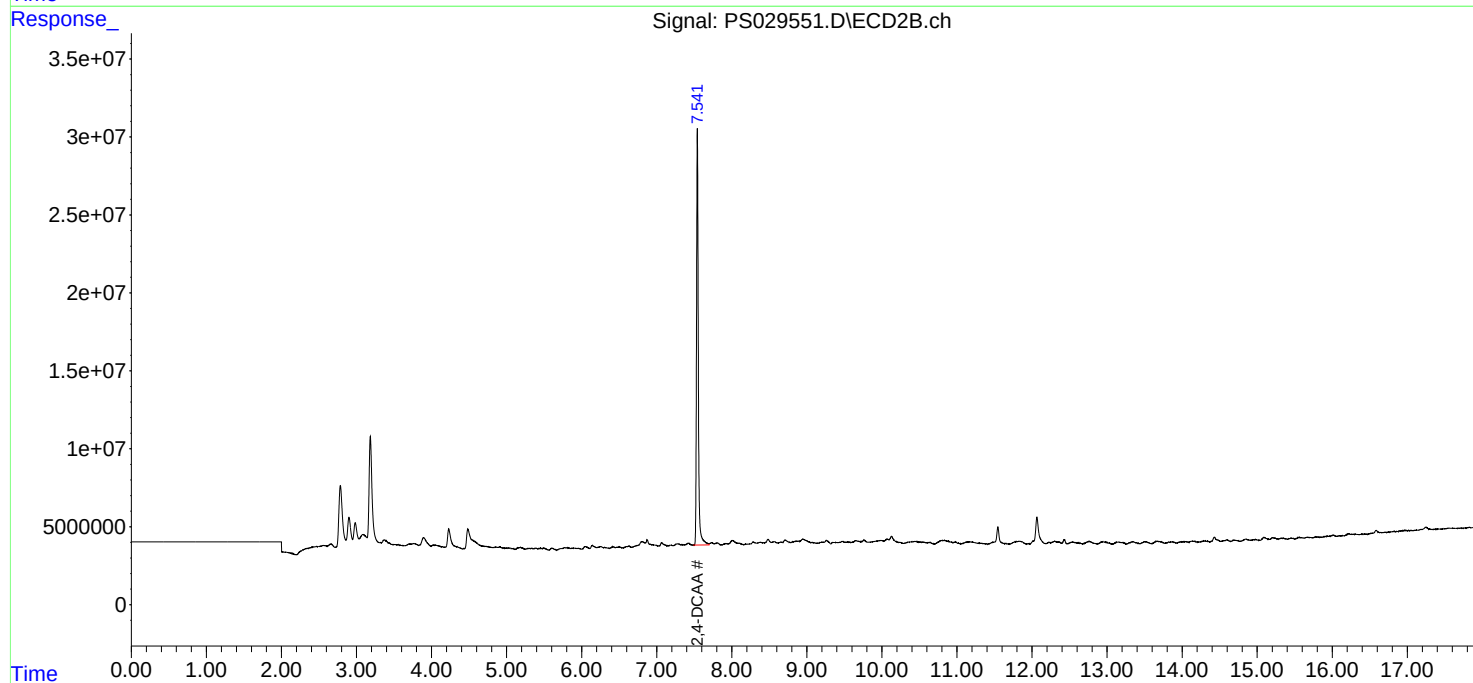
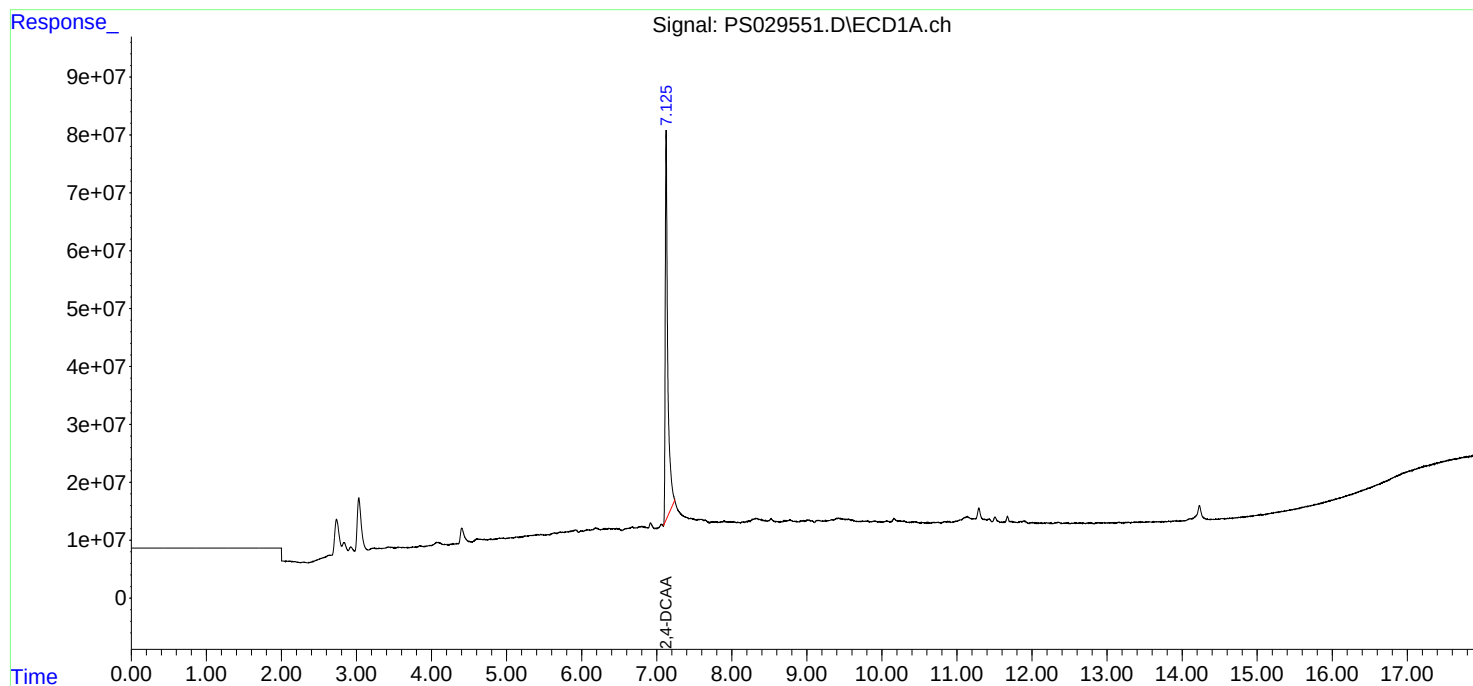
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS032725\
Data File : PS029551.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Mar 2025 16:30
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 26 17:09:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS032625.M
Quant Title : 8080.M
QLast Update : Wed Mar 26 16:20:53 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



Response_

Signal: PS029551.D\ECD1A.ch

#4 2,4-DCAA

R.T.: 7.125 min

Delta R.T.: 0.004 min

Response: 1547954235

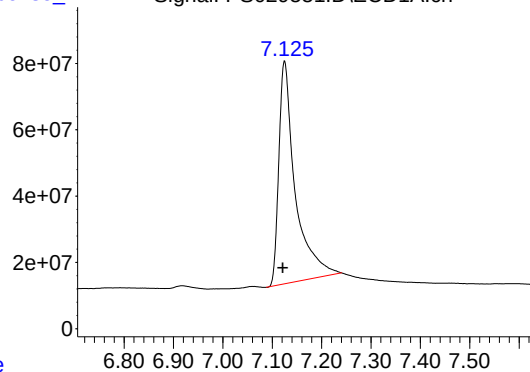
Conc: 373.05 ng/ml

Instrument :

ECD_S

ClientSampleId :

I.BLK



Time

Response_

Signal: PS029551.D\ECD2B.ch

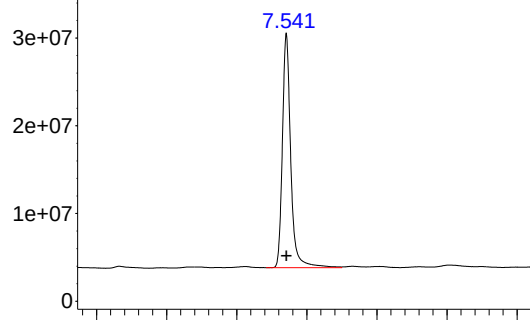
#4 2,4-DCAA

R.T.: 7.541 min

Delta R.T.: 0.000 min

Response: 441990814

Conc: 469.73 ng/ml



Time



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Fax : 908 789 8922

Report of Analysis

Client:	Walsh Construction Company II, LLC		Date Collected:	03/27/25
Project:	Walsh CO-032 Sampling		Date Received:	03/27/25
Client Sample ID:	PIBLK-PS029557.D		SDG No.:	Q1626
Lab Sample ID:	I.BLK-PS029557.D		Matrix:	WATER
Analytical Method:	8151A		% Solid:	0
Sample Wt/Vol:	1000 mL	Final Vol: 10000 uL	Test:	Herbicide
Prep Method:	8151A	Prep Date:		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
1918-00-9	DICAMBA	0.65	U	1	0.65	2.00	ug/L	03/27/25	PS032825
120-36-5	DICHLORPROP	0.76	U	1	0.76	2.00	ug/L	03/27/25	PS032825
94-75-7	2,4-D	0.92	U	1	0.92	2.00	ug/L	03/27/25	PS032825
93-72-1	2,4,5-TP (Silvex)	0.78	U	1	0.78	2.00	ug/L	03/27/25	PS032825
93-76-5	2,4,5-T	0.71	U	1	0.71	2.00	ug/L	03/27/25	PS032825
94-82-6	2,4-DB	0.65	U	1	0.65	2.00	ug/L	03/27/25	PS032825
88-85-7	DINOSEB	0.89	U	1	0.89	2.00	ug/L	03/27/25	PS032825
SURROGATES									
19719-28-9	2,4-DCAA	523			39 - 175	105%	SPK: 500		

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS032825\
 Data File : PS029557.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 27 Mar 2025 09:49
 Operator : AR\AJ
 Sample : I.BLK
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 I.BLK

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Mar 27 13:36:30 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS032825.M
 Quant Title : 8080.M
 QLast Update : Thu Mar 27 12:24:58 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x 0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
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System Monitoring Compounds

4) S	2,4-DCAA	7.116	7.537	1745.8E6	451.4E6	454.624	522.925
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Target Compounds

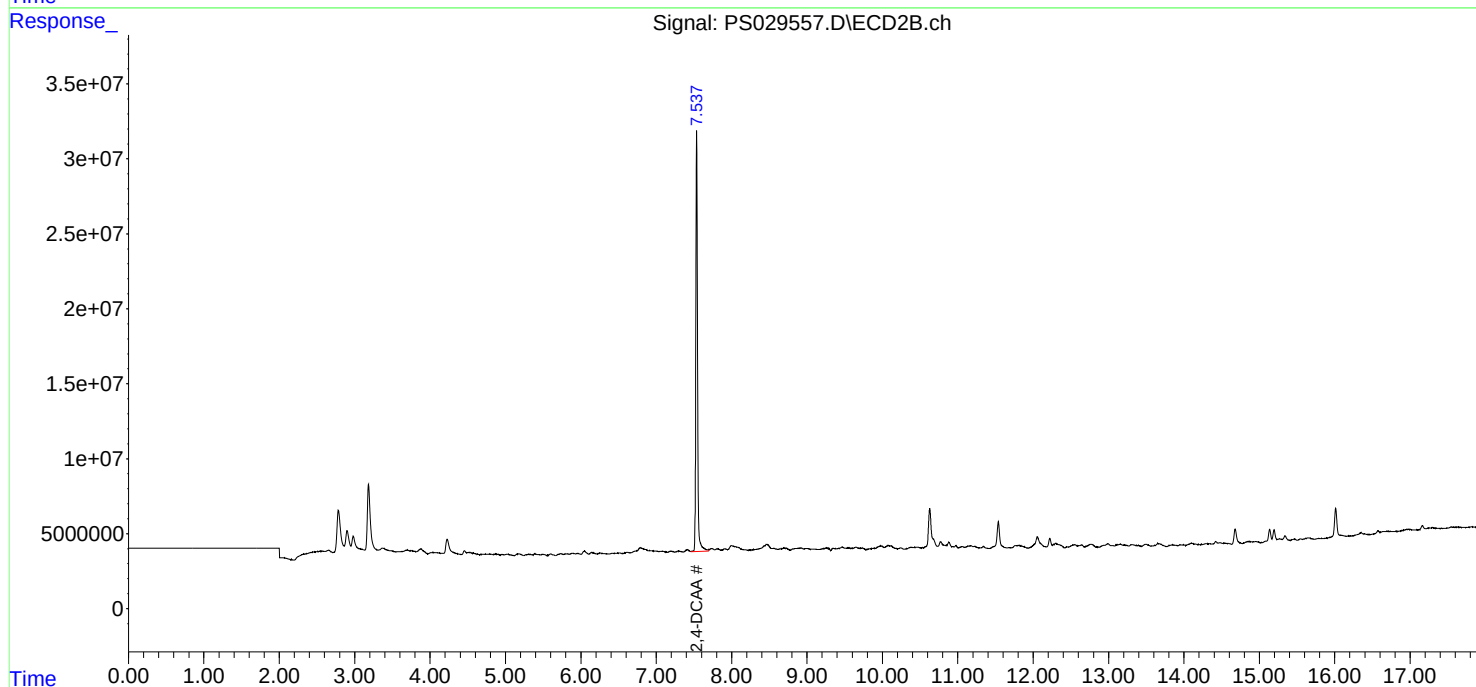
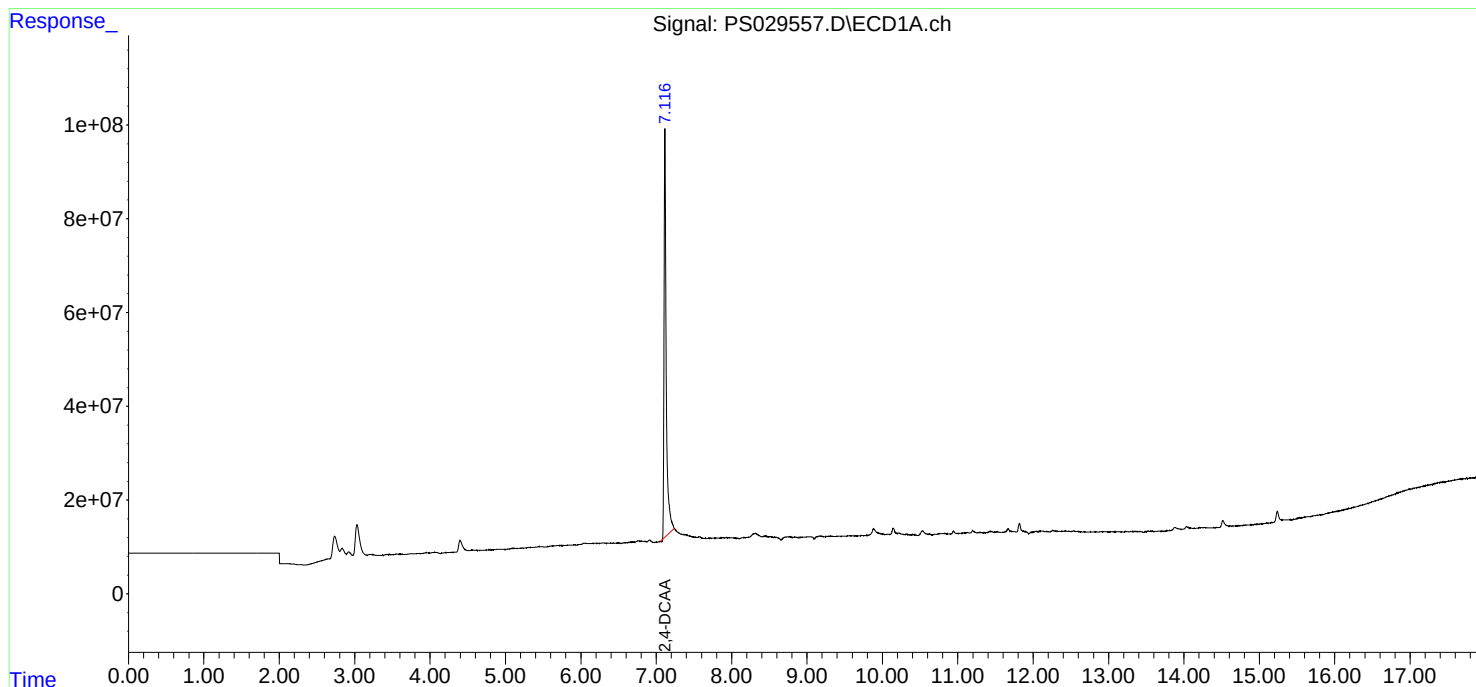
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

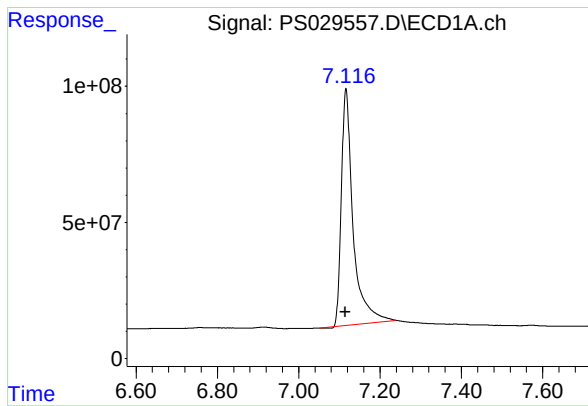
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS032825\
Data File : PS029557.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 09:49
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 27 13:36:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS032825.M
Quant Title : 8080.M
QLast Update : Thu Mar 27 12:24:58 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x 0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm





#4 2,4-DCAA

R.T.: 7.116 min

Delta R.T.: 0.001 min

Response: 1745800608

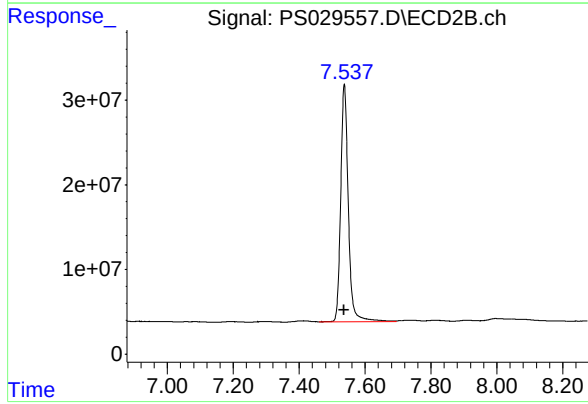
Conc: 454.62 ng/ml

Instrument :

ECD_S

ClientSampleId :

I.BLK



#4 2,4-DCAA

R.T.: 7.537 min

Delta R.T.: 0.000 min

Response: 451439583

Conc: 522.93 ng/ml



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Report of Analysis

Client:	Walsh Construction Company II, LLC		Date Collected:	03/27/25
Project:	Walsh CO-032 Sampling		Date Received:	03/27/25
Client Sample ID:	PIBLK-PS029587.D		SDG No.:	Q1626
Lab Sample ID:	I.BLK-PS029587.D		Matrix:	WATER
Analytical Method:	8151A		% Solid:	0
Sample Wt/Vol:	1000 mL	Final Vol: 10000 uL	Test:	Herbicide
Prep Method:	8151A	Prep Date:		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
1918-00-9	DICAMBA	0.65	U	1	0.65	2.00	ug/L	03/27/25	ps032825
120-36-5	DICHLORPROP	0.76	U	1	0.76	2.00	ug/L	03/27/25	ps032825
94-75-7	2,4-D	0.92	U	1	0.92	2.00	ug/L	03/27/25	ps032825
93-72-1	2,4,5-TP (Silvex)	0.78	U	1	0.78	2.00	ug/L	03/27/25	ps032825
93-76-5	2,4,5-T	0.71	U	1	0.71	2.00	ug/L	03/27/25	ps032825
94-82-6	2,4-DB	0.65	U	1	0.65	2.00	ug/L	03/27/25	ps032825
88-85-7	DINOSEB	0.89	U	1	0.89	2.00	ug/L	03/27/25	ps032825
SURROGATES									
19719-28-9	2,4-DCAA	541			39 - 175	108%	SPK: 500		

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS032825\
 Data File : PS029587.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 27 Mar 2025 22:26
 Operator : AR\AJ
 Sample : I.BLK
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 I.BLK

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/28/2025
 Supervised By :mohammad ahmed 04/01/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Mar 28 03:23:57 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS032825.M
 Quant Title : 8080.M
 QLast Update : Thu Mar 27 12:24:58 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
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 System Monitoring Compounds

4) S	2,4-DCAA	7.114	7.535	1988.1E6	466.8E6	517.723m	540.689
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Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS032825\
Data File : PS029587.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 22:26
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

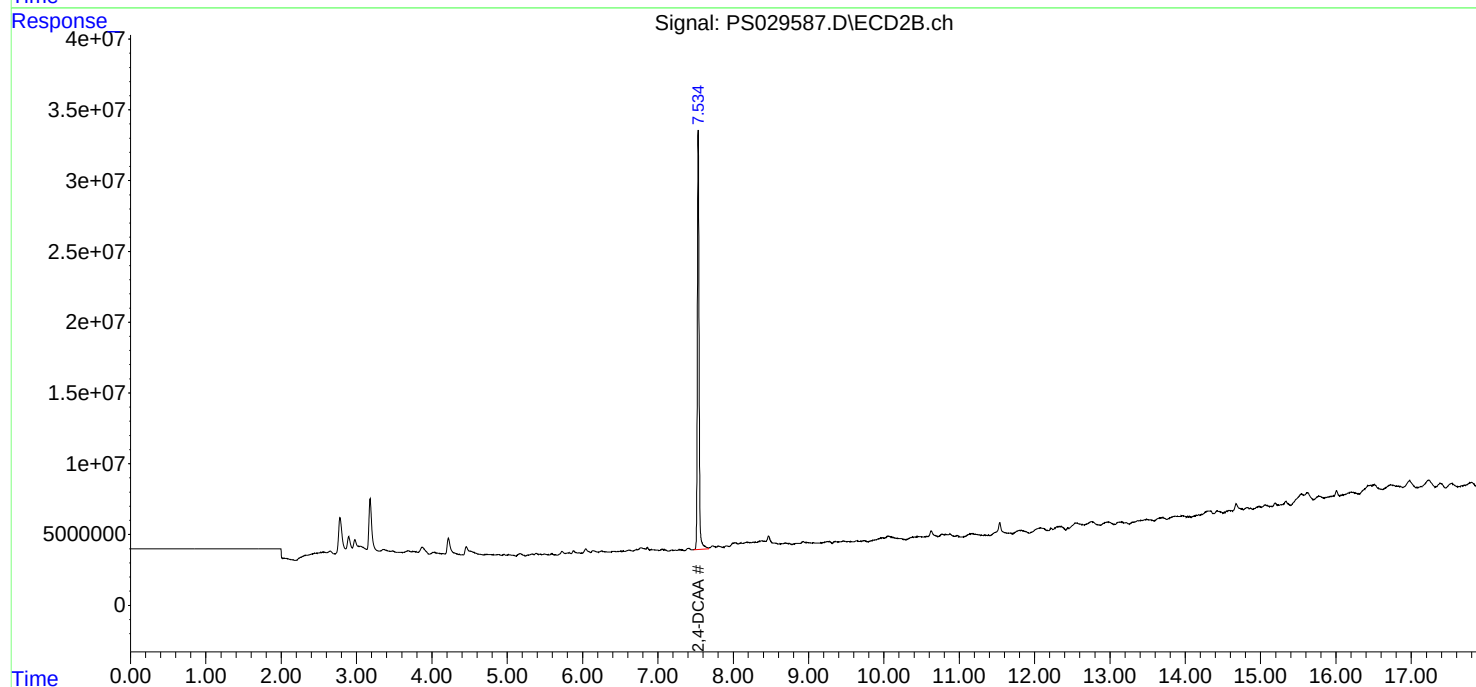
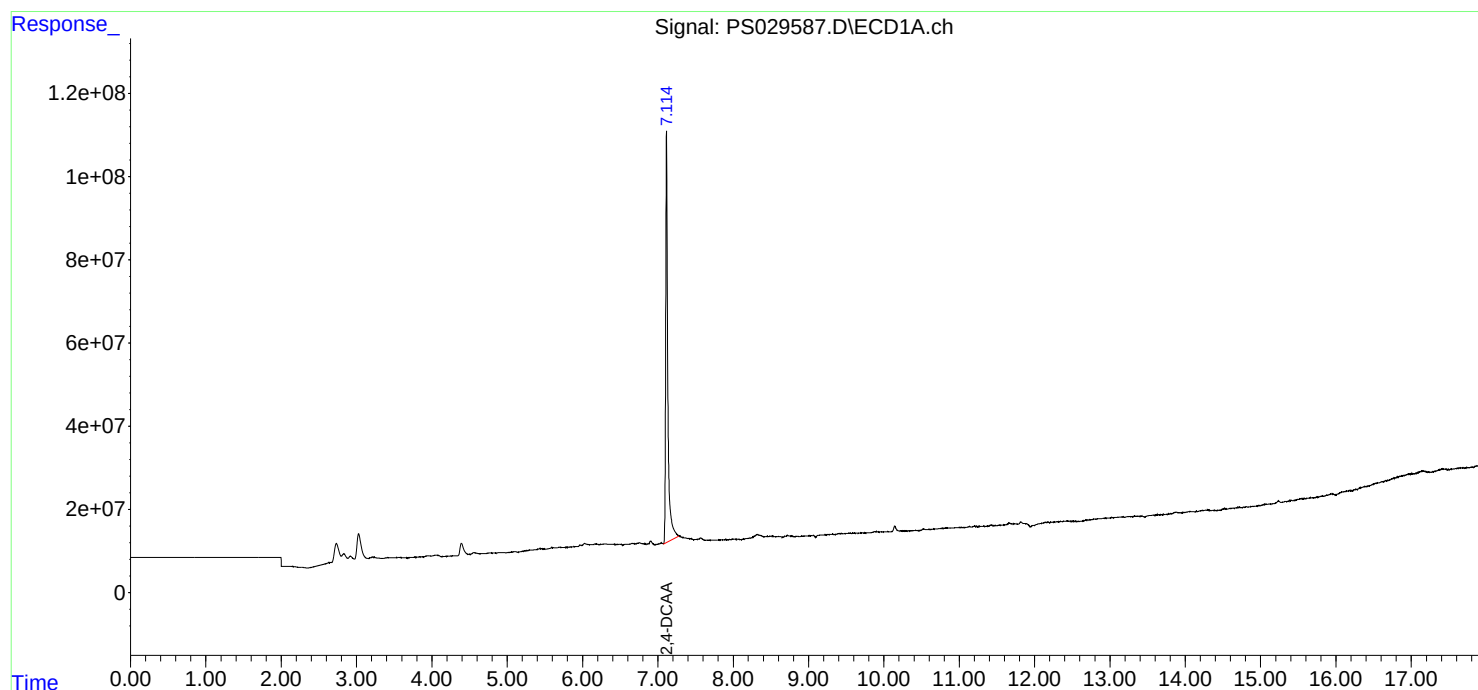
Instrument :
ECD_S
ClientSampleId :
I.BLK

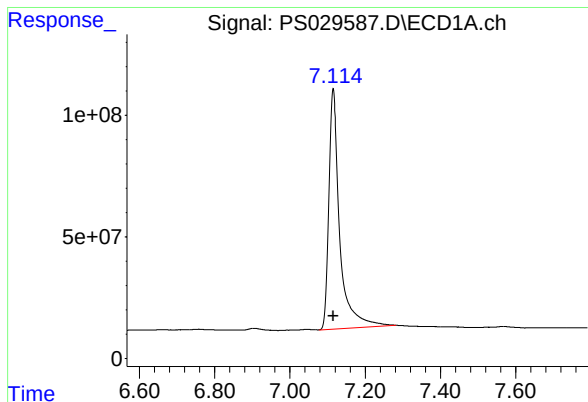
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 03/28/2025
Supervised By : mohammad ahmed 04/01/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 28 03:23:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS032825.M
Quant Title : 8080.M
QLast Update : Thu Mar 27 12:24:58 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x 0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm





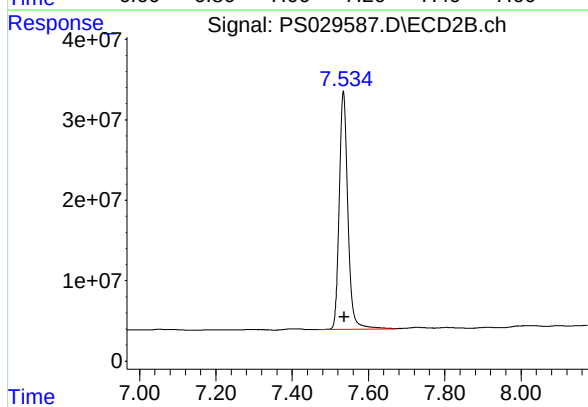
#4 2,4-DCAA

R.T.: 7.114 min
Delta R.T.: 0.000 min
Response: 1988104943
Conc: 517.72 ng/ml

Instrument :
ECD_S
ClientSampleId :
I.BLK

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/28/2025
Supervised By :mohammad ahmed 04/01/2025



#4 2,4-DCAA

R.T.: 7.535 min
Delta R.T.: -0.002 min
Response: 466775063
Conc: 540.69 ng/ml



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Fax : 908 789 8922

Report of Analysis

Client:	Walsh Construction Company II, LLC		Date Collected:	03/28/25
Project:	Walsh CO-032 Sampling		Date Received:	03/28/25
Client Sample ID:	PIBLK-PS029599.D		SDG No.:	Q1626
Lab Sample ID:	I.BLK-PS029599.D		Matrix:	WATER
Analytical Method:	8151A		% Solid:	0
Sample Wt/Vol:	1000 mL	Final Vol: 10000 uL	Test:	Herbicide
Prep Method:	8151A	Prep Date:		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
1918-00-9	DICAMBA	0.65	U	1	0.65	2.00	ug/L	03/28/25	ps032825
120-36-5	DICHLORPROP	0.76	U	1	0.76	2.00	ug/L	03/28/25	ps032825
94-75-7	2,4-D	0.92	U	1	0.92	2.00	ug/L	03/28/25	ps032825
93-72-1	2,4,5-TP (Silvex)	0.78	U	1	0.78	2.00	ug/L	03/28/25	ps032825
93-76-5	2,4,5-T	0.71	U	1	0.71	2.00	ug/L	03/28/25	ps032825
94-82-6	2,4-DB	0.65	U	1	0.65	2.00	ug/L	03/28/25	ps032825
88-85-7	DINOSEB	0.89	U	1	0.89	2.00	ug/L	03/28/25	ps032825
SURROGATES									
19719-28-9	2,4-DCAA	545			39 - 175	109%	SPK: 500		

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS032825\
 Data File : PS029599.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 28 Mar 2025 03:39
 Operator : AR\AJ
 Sample : I.BLK
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 I.BLK

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/28/2025
 Supervised By :mohammad ahmed 04/01/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Mar 28 07:21:20 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS032825.M
 Quant Title : 8080.M
 QLast Update : Thu Mar 27 12:24:58 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
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 System Monitoring Compounds

4) S	2,4-DCAA	7.116	7.535	2028.5E6	470.8E6	528.238m	545.337
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Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS032825\
Data File : PS029599.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Mar 2025 03:39
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

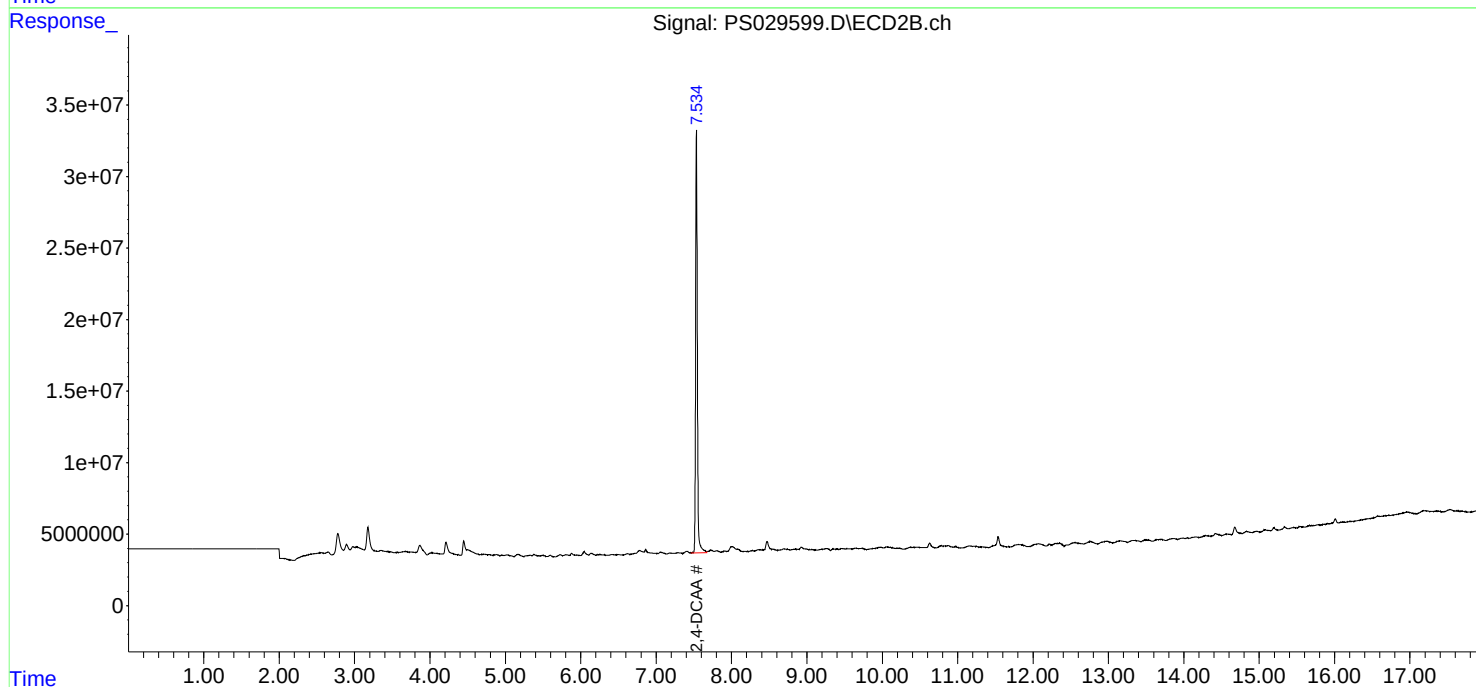
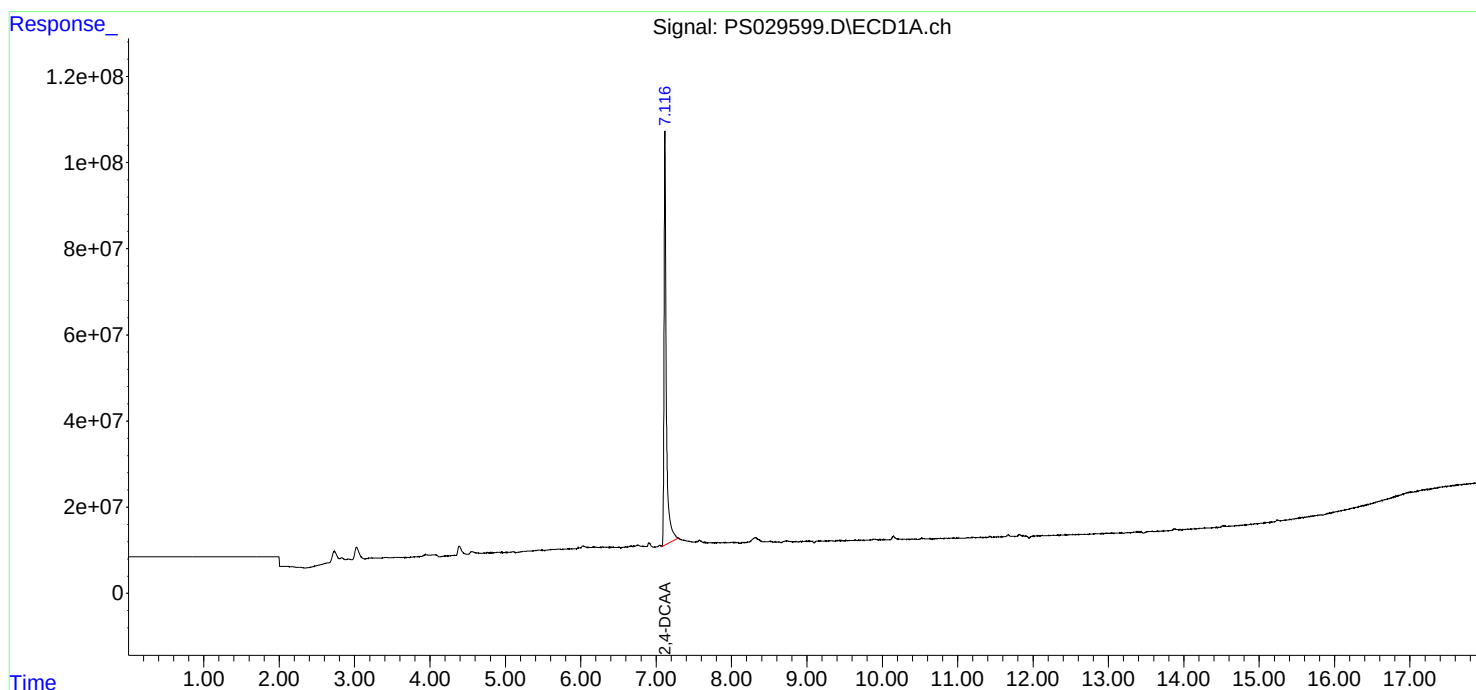
Instrument :
ECD_S
ClientSampleId :
I.BLK

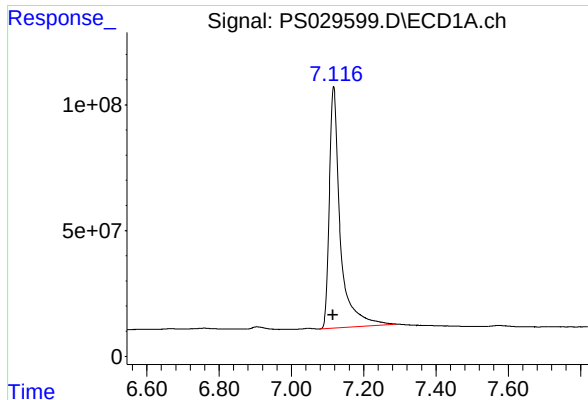
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 03/28/2025
Supervised By : mohammad ahmed 04/01/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 28 07:21:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS032825.M
Quant Title : 8080.M
QLast Update : Thu Mar 27 12:24:58 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x 0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm





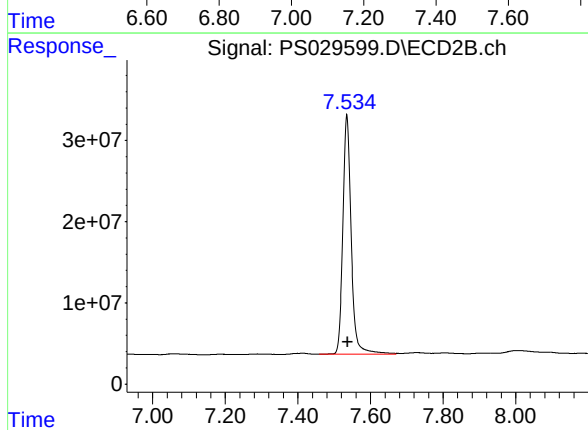
#4 2,4-DCAA

R.T.: 7.116 min
Delta R.T.: 0.001 min
Response: 2028483885
Conc: 528.24 ng/ml

Instrument :
ECD_S
ClientSampleId :
I.BLK

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/28/2025
Supervised By :mohammad ahmed 04/01/2025



#4 2,4-DCAA

R.T.: 7.535 min
Delta R.T.: -0.002 min
Response: 470787809
Conc: 545.34 ng/ml



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Fax : 908 789 8922

Report of Analysis

Client:	Walsh Construction Company II, LLC		Date Collected:	03/28/25
Project:	Walsh CO-032 Sampling		Date Received:	03/28/25
Client Sample ID:	PIBLK-PS029611.D		SDG No.:	Q1626
Lab Sample ID:	I.BLK-PS029611.D		Matrix:	WATER
Analytical Method:	8151A		% Solid:	0
Sample Wt/Vol:	1000 mL	Final Vol: 10000 uL	Test:	Herbicide
Prep Method:	8151A	Prep Date:		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
1918-00-9	DICAMBA	0.65	U	1	0.65	2.00	ug/L	03/28/25	ps032825
120-36-5	DICHLORPROP	0.76	U	1	0.76	2.00	ug/L	03/28/25	ps032825
94-75-7	2,4-D	0.92	U	1	0.92	2.00	ug/L	03/28/25	ps032825
93-72-1	2,4,5-TP (Silvex)	0.78	U	1	0.78	2.00	ug/L	03/28/25	ps032825
93-76-5	2,4,5-T	0.71	U	1	0.71	2.00	ug/L	03/28/25	ps032825
94-82-6	2,4-DB	0.65	U	1	0.65	2.00	ug/L	03/28/25	ps032825
88-85-7	DINOSEB	0.89	U	1	0.89	2.00	ug/L	03/28/25	ps032825
SURROGATES									
19719-28-9	2,4-DCAA	554			39 - 175	111%	SPK: 500		

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS032825\
 Data File : PS029611.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 28 Mar 2025 08:51
 Operator : AR\AJ
 Sample : I.BLK
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 I.BLK

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/28/2025
 Supervised By :mohammad ahmed 04/01/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Mar 28 09:28:16 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS032825.M
 Quant Title : 8080.M
 QLast Update : Thu Mar 27 12:24:58 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
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 System Monitoring Compounds

4) S	2,4-DCAA	7.116	7.533	2032.9E6	478.4E6	529.387m	554.153
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Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS032825\
Data File : PS029611.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Mar 2025 08:51
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

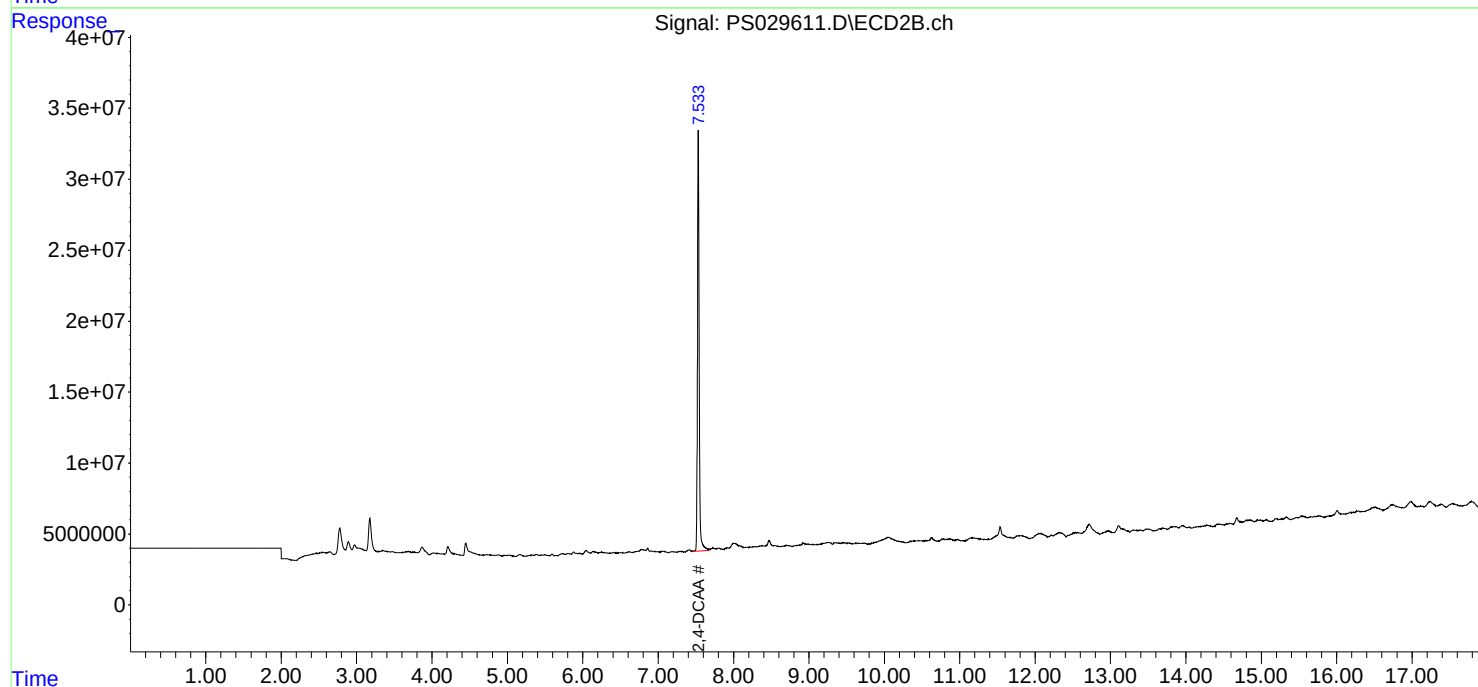
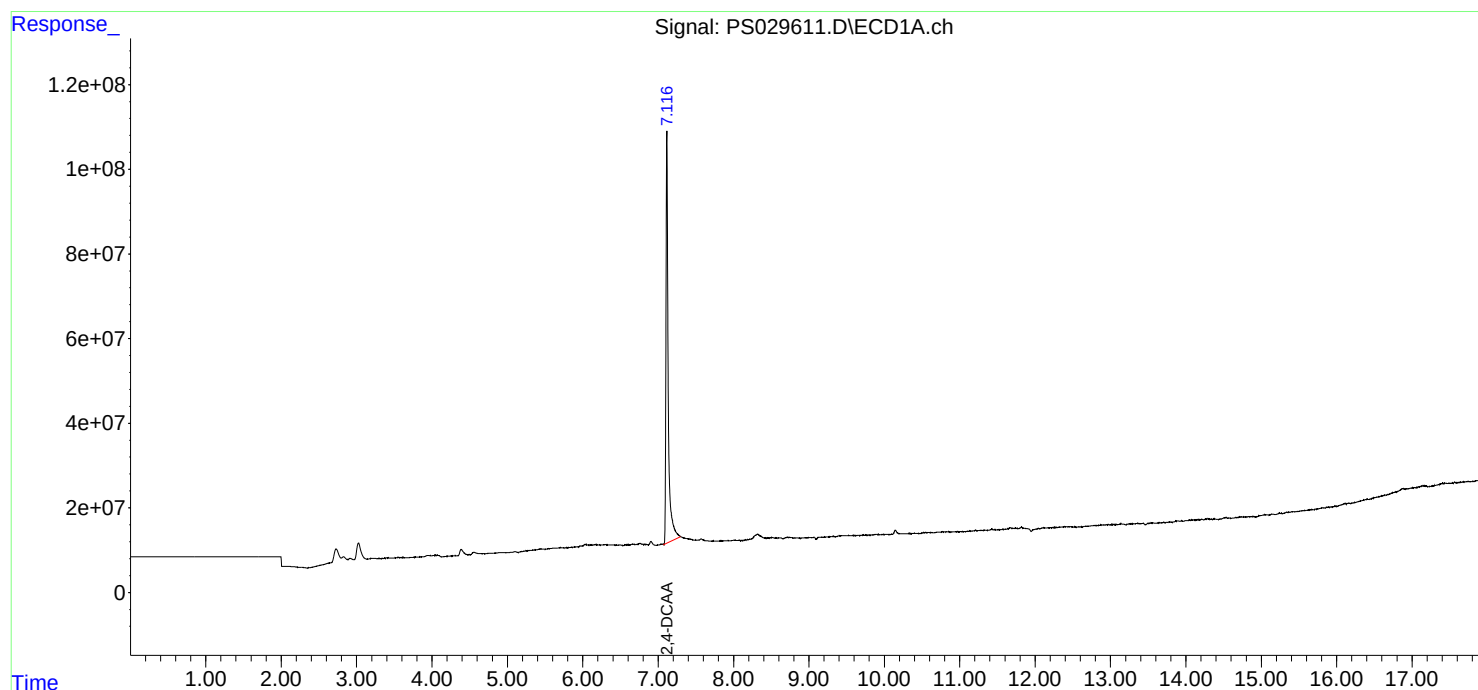
Instrument :
ECD_S
ClientSampleId :
I.BLK

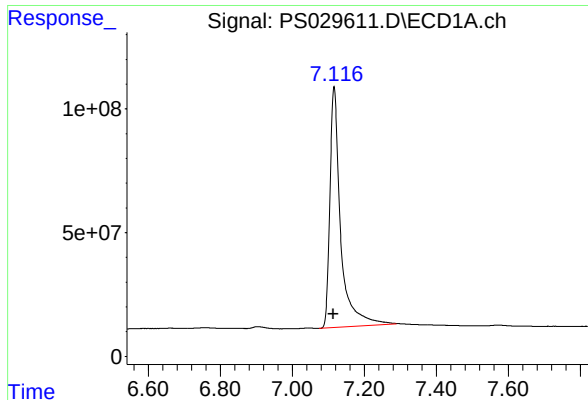
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 03/28/2025
Supervised By : mohammad ahmed 04/01/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 28 09:28:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS032825.M
Quant Title : 8080.M
QLast Update : Thu Mar 27 12:24:58 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x 0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm





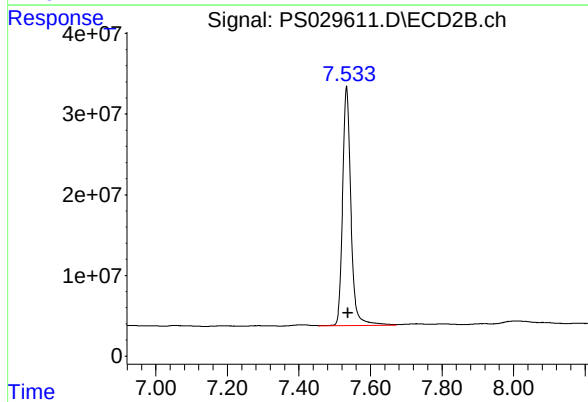
#4 2,4-DCAA

R.T.: 7.116 min
Delta R.T.: 0.000 min
Response: 2032898673
Conc: 529.39 ng/ml

Instrument :
ECD_S
ClientSampleId :
I.BLK

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/28/2025
Supervised By :mohammad ahmed 04/01/2025



#4 2,4-DCAA

R.T.: 7.533 min
Delta R.T.: -0.003 min
Response: 478398340
Conc: 554.15 ng/ml



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Fax : 908 789 8922

Report of Analysis

Client:	Walsh Construction Company II, LLC		Date Collected:	04/02/25
Project:	Walsh CO-032 Sampling		Date Received:	04/02/25
Client Sample ID:	PIBLK-PS029656.D		SDG No.:	Q1626
Lab Sample ID:	I.BLK-PS029656.D		Matrix:	WATER
Analytical Method:	8151A		% Solid:	0
Sample Wt/Vol:	1000 mL	Final Vol: 10000 uL	Test:	Herbicide
Prep Method:	8151A	Prep Date:		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
1918-00-9	DICAMBA	0.65	U	1	0.65	2.00	ug/L	04/02/25	PS040225
120-36-5	DICHLORPROP	0.76	U	1	0.76	2.00	ug/L	04/02/25	PS040225
94-75-7	2,4-D	0.92	U	1	0.92	2.00	ug/L	04/02/25	PS040225
93-72-1	2,4,5-TP (Silvex)	0.78	U	1	0.78	2.00	ug/L	04/02/25	PS040225
93-76-5	2,4,5-T	0.71	U	1	0.71	2.00	ug/L	04/02/25	PS040225
94-82-6	2,4-DB	0.65	U	1	0.65	2.00	ug/L	04/02/25	PS040225
88-85-7	DINOSEB	0.89	U	1	0.89	2.00	ug/L	04/02/25	PS040225
SURROGATES									
19719-28-9	2,4-DCAA	485			39 - 175	97%	SPK: 500		

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS040225\
Data File : PS029656.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 Apr 2025 16:44
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 02 22:36:25 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS040225.M
Quant Title : 8080.M
QLast Update : Wed Apr 02 21:58:31 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds						
4) S 2,4-DCAA	6.963	7.475	971.0E6	330.4E6	476.239	484.848

Target Compounds

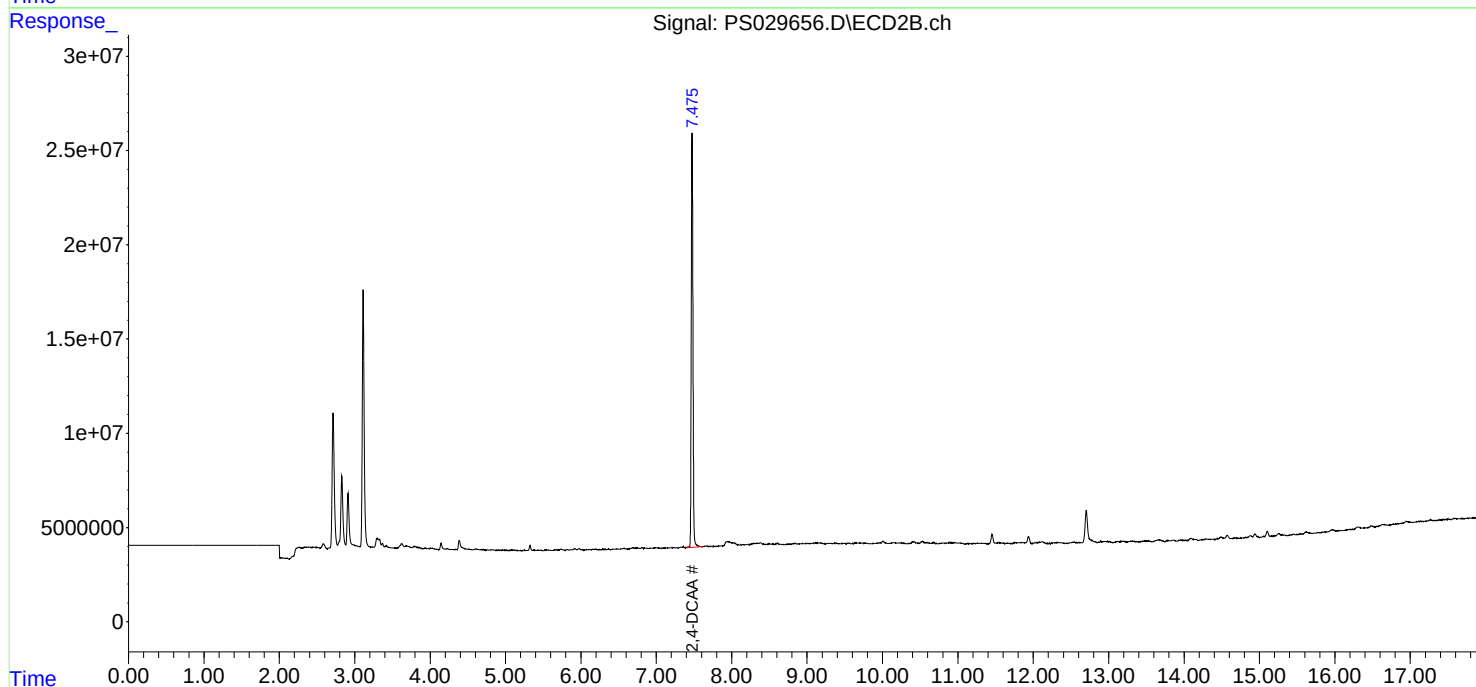
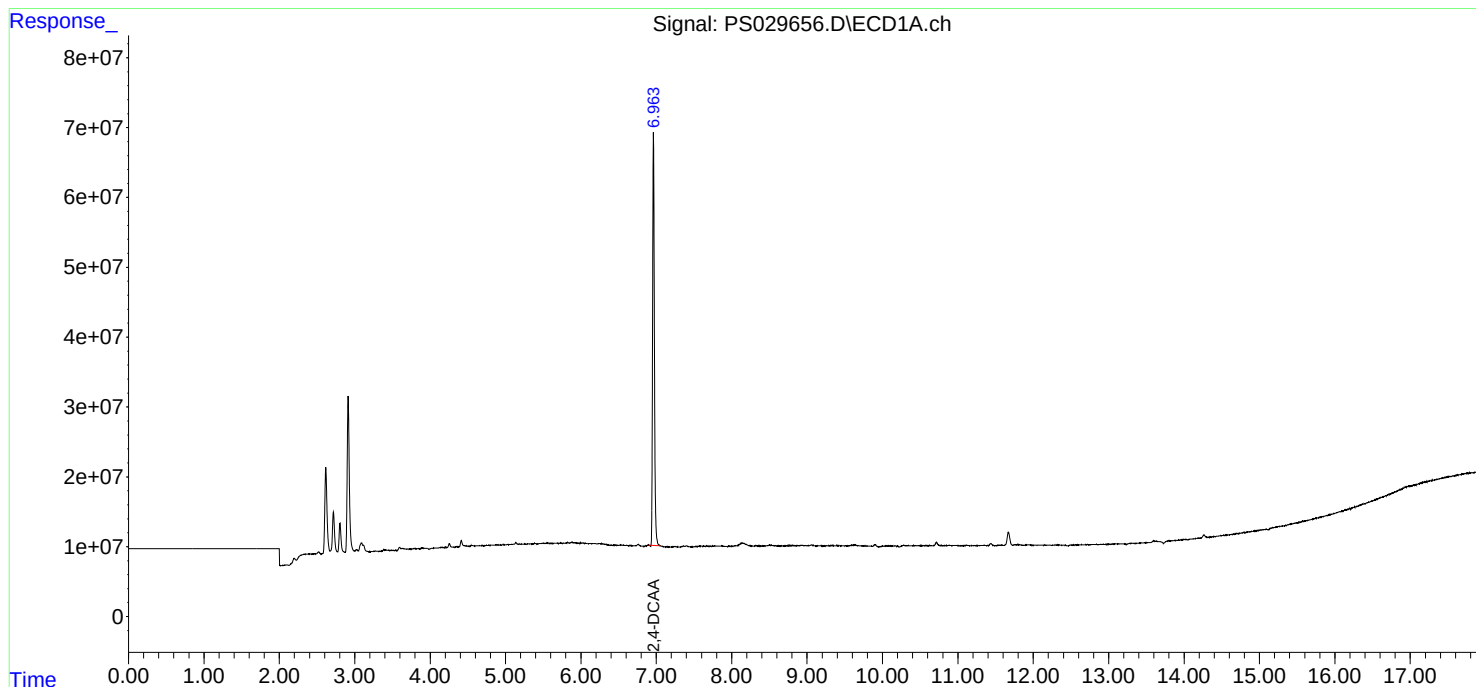
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

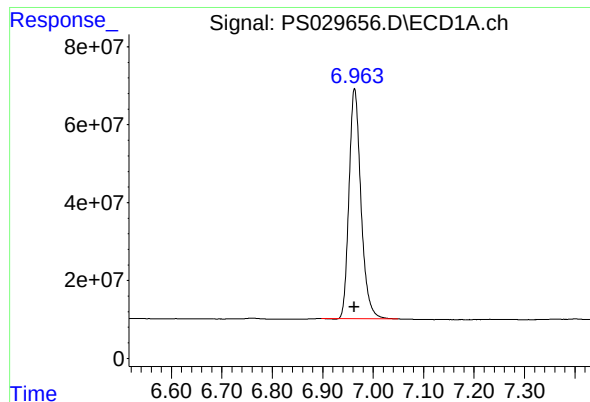
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS040225\
Data File : PS029656.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 Apr 2025 16:44
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 02 22:36:25 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS040225.M
Quant Title : 8080.M
QLast Update : Wed Apr 02 21:58:31 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x 0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm





#4 2,4-DCAA

R.T.: 6.963 min

Delta R.T.: 0.000 min

Response: 970970961

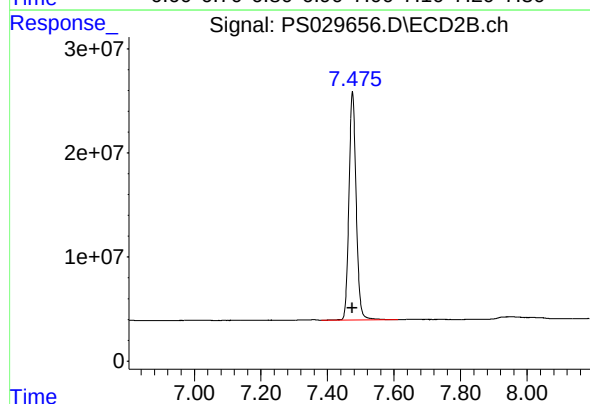
Conc: 476.24 ng/ml

Instrument :

ECD_S

ClientSampleId :

I.BLK



#4 2,4-DCAA

R.T.: 7.475 min

Delta R.T.: 0.000 min

Response: 330430379

Conc: 484.85 ng/ml



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Report of Analysis

Client:	Walsh Construction Company II, LLC		Date Collected:	04/03/25
Project:	Walsh CO-032 Sampling		Date Received:	04/03/25
Client Sample ID:	PIBLK-PS029672.D		SDG No.:	Q1626
Lab Sample ID:	I.BLK-PS029672.D		Matrix:	WATER
Analytical Method:	8151A		% Solid:	0
Sample Wt/Vol:	1000 mL	Final Vol: 10000 uL	Test:	Herbicide
Prep Method:	8151A	Prep Date:		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
1918-00-9	DICAMBA	0.65	U	1	0.65	2.00	ug/L	04/03/25	ps040325
120-36-5	DICHLORPROP	0.76	U	1	0.76	2.00	ug/L	04/03/25	ps040325
94-75-7	2,4-D	0.92	U	1	0.92	2.00	ug/L	04/03/25	ps040325
93-72-1	2,4,5-TP (Silvex)	0.78	U	1	0.78	2.00	ug/L	04/03/25	ps040325
93-76-5	2,4,5-T	0.71	U	1	0.71	2.00	ug/L	04/03/25	ps040325
94-82-6	2,4-DB	0.65	U	1	0.65	2.00	ug/L	04/03/25	ps040325
88-85-7	DINOSEB	0.89	U	1	0.89	2.00	ug/L	04/03/25	ps040325
SURROGATES									
19719-28-9	2,4-DCAA	497			39 - 175	99%	SPK: 500		

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS040325\
Data File : PS029672.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Apr 2025 12:08
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 03 13:22:04 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS040225.M
Quant Title : 8080.M
QLast Update : Wed Apr 02 23:52:55 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds						
4) S 2,4-DCAA	6.960	7.471	1012.4E6	328.9E6	496.536	482.670

Target Compounds

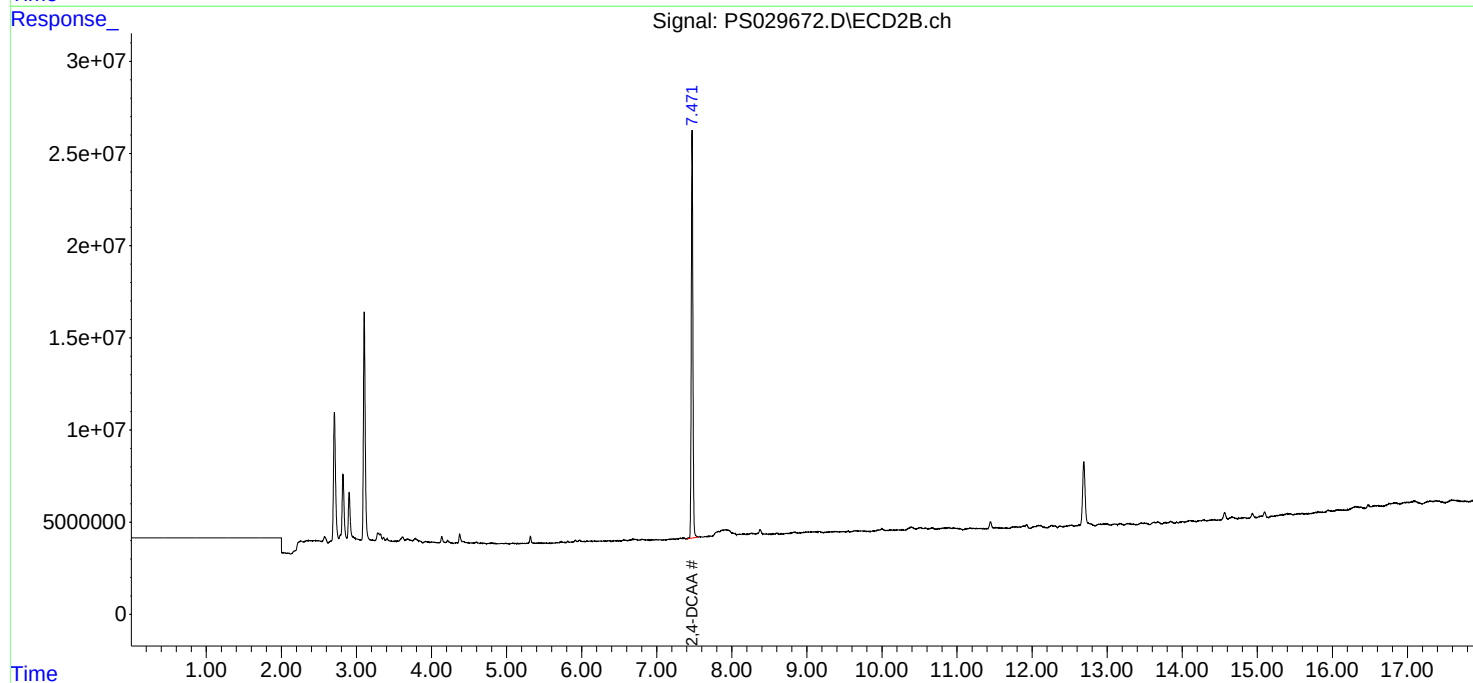
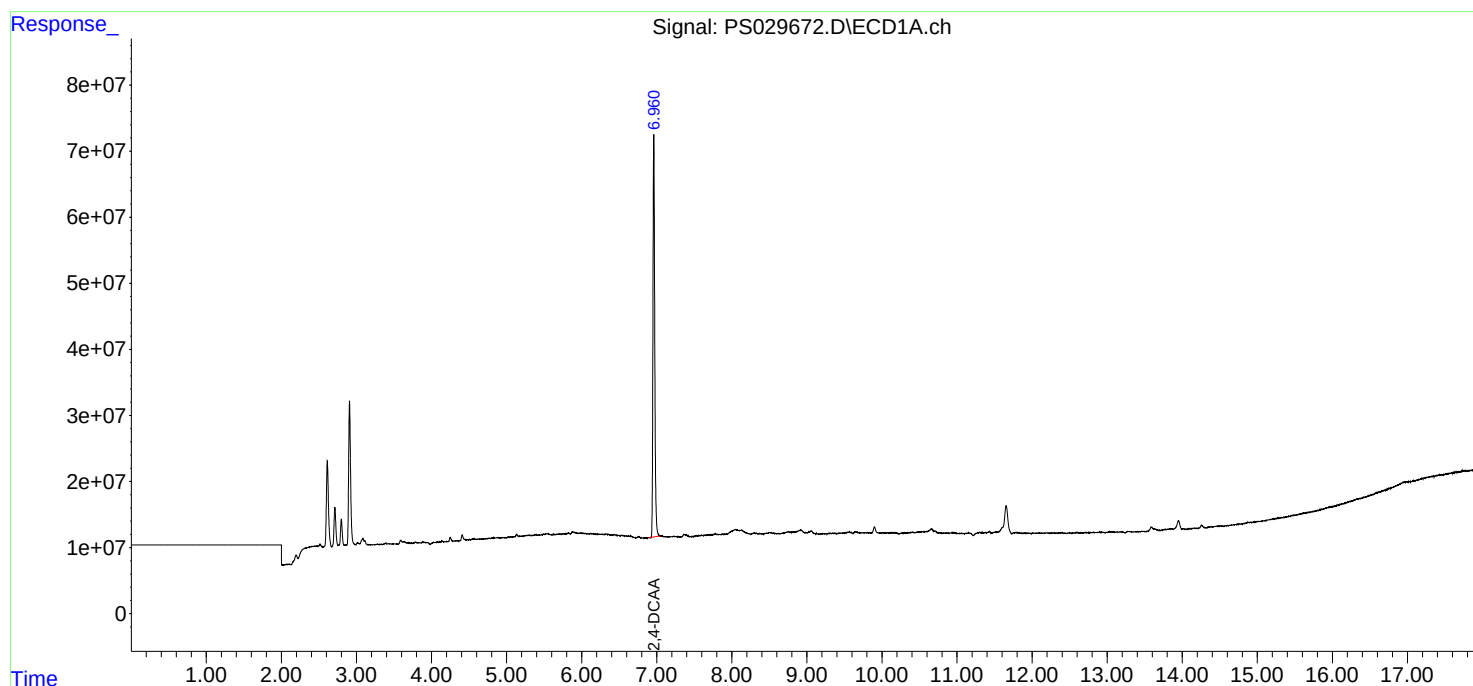
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

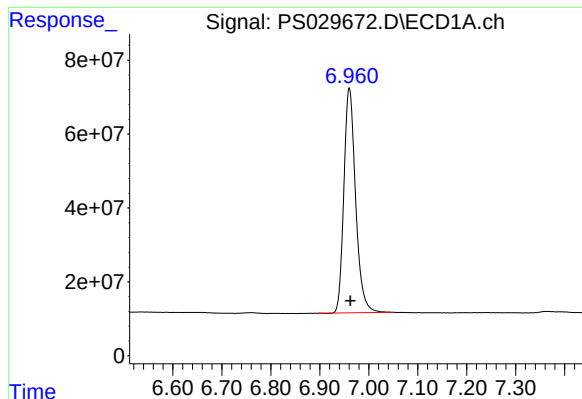
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS040325\
Data File : PS029672.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Apr 2025 12:08
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 03 13:22:04 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS040225.M
Quant Title : 8080.M
QLast Update : Wed Apr 02 23:52:55 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

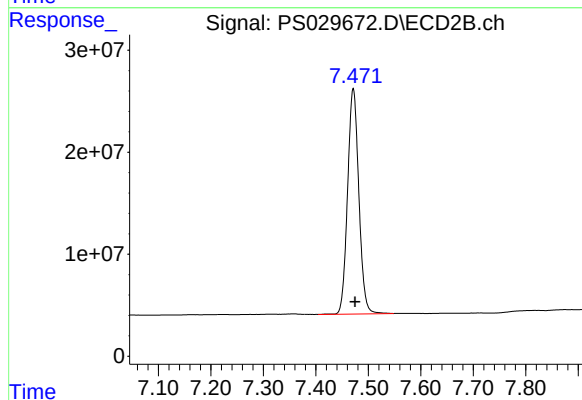




#4 2,4-DCAA

R.T.: 6.960 min
Delta R.T.: -0.002 min
Response: 1012351871
Conc: 496.54 ng/ml

Instrument :
ECD_S
ClientSampleId :
I.BLK



#4 2,4-DCAA

R.T.: 7.471 min
Delta R.T.: -0.004 min
Response: 328945540
Conc: 482.67 ng/ml



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Report of Analysis

Client:	Walsh Construction Company II, LLC		Date Collected:	04/03/25
Project:	Walsh CO-032 Sampling		Date Received:	04/03/25
Client Sample ID:	PIBLK-PS029682.D		SDG No.:	Q1626
Lab Sample ID:	I.BLK-PS029682.D		Matrix:	WATER
Analytical Method:	8151A		% Solid:	0
Sample Wt/Vol:	1000 mL	Final Vol: 10000 uL	Test:	Herbicide
Prep Method:	8151A	Prep Date:		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
1918-00-9	DICAMBA	0.65	U	1	0.65	2.00	ug/L	04/03/25	ps040325
120-36-5	DICHLORPROP	0.76	U	1	0.76	2.00	ug/L	04/03/25	ps040325
94-75-7	2,4-D	0.92	U	1	0.92	2.00	ug/L	04/03/25	ps040325
93-72-1	2,4,5-TP (Silvex)	0.78	U	1	0.78	2.00	ug/L	04/03/25	ps040325
93-76-5	2,4,5-T	0.71	U	1	0.71	2.00	ug/L	04/03/25	ps040325
94-82-6	2,4-DB	0.65	U	1	0.65	2.00	ug/L	04/03/25	ps040325
88-85-7	DINOSEB	0.89	U	1	0.89	2.00	ug/L	04/03/25	ps040325
SURROGATES									
19719-28-9	2,4-DCAA	522			39 - 175	104%	SPK: 500		

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS040325\
Data File : PS029682.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Apr 2025 16:40
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 04 01:29:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS040225.M
Quant Title : 8080.M
QLast Update : Wed Apr 02 23:52:55 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds						
4) S 2,4-DCAA	6.960	7.472	1063.4E6	351.7E6	521.550	516.074

Target Compounds

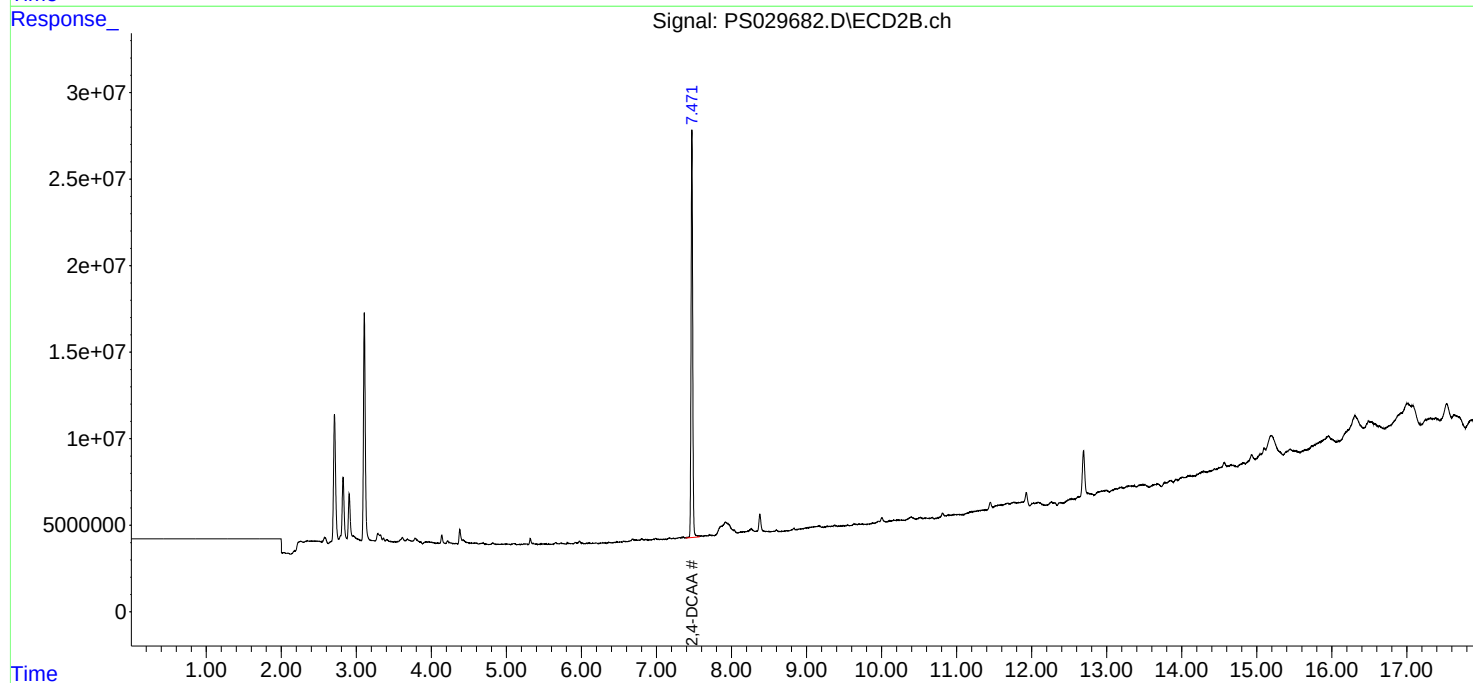
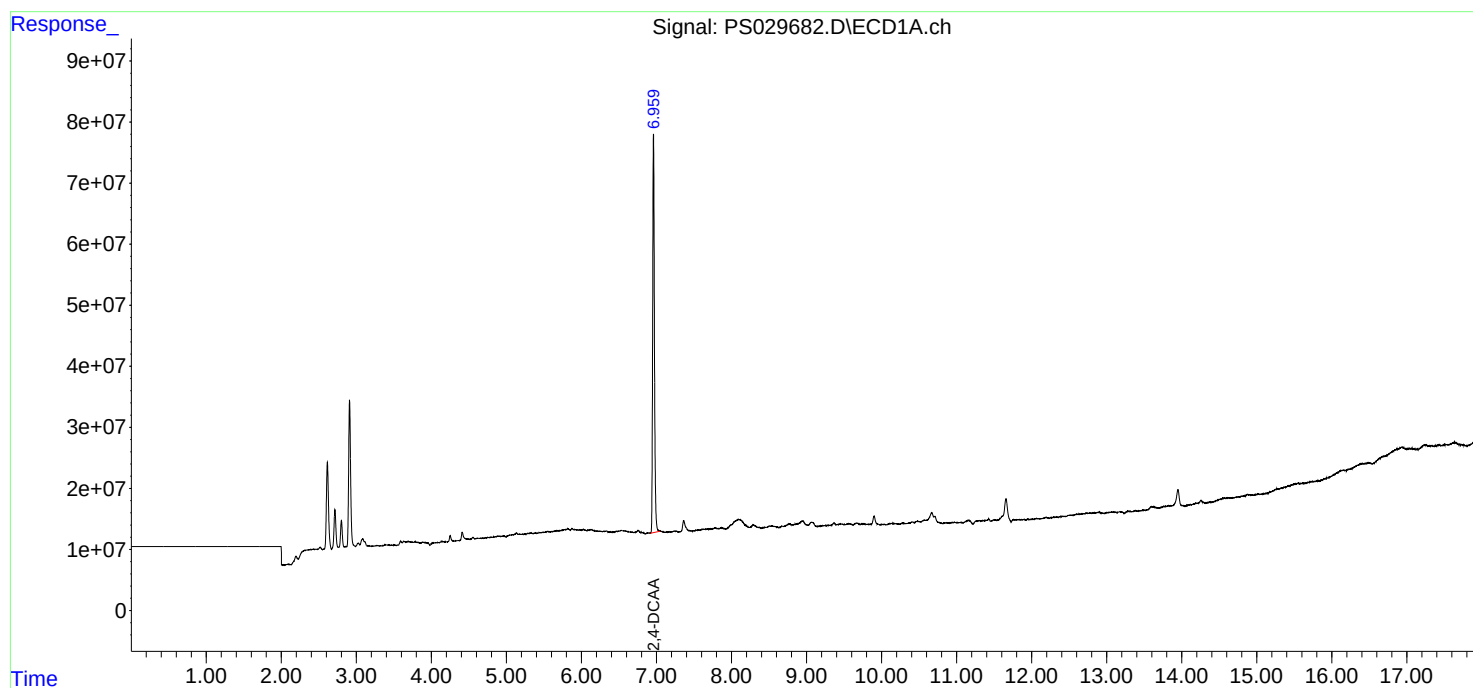
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS040325\
Data File : PS029682.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Apr 2025 16:40
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
I.BLK

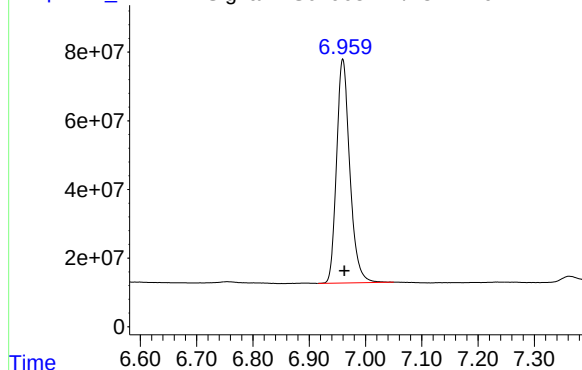
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 04 01:29:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS040225.M
Quant Title : 8080.M
QLast Update : Wed Apr 02 23:52:55 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



Response_ Signal: PS029682.D\ECD1A.ch

#4 2,4-DCAA

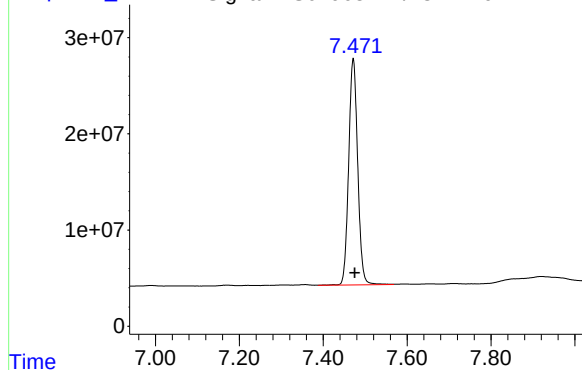


R.T.: 6.960 min
Delta R.T.: -0.003 min
Response: 1063352328
Conc: 521.55 ng/ml

Instrument :
ECD_S
ClientSampleId :
I.BLK

Time Response_ Signal: PS029682.D\ECD2B.ch

#4 2,4-DCAA



R.T.: 7.472 min
Delta R.T.: -0.003 min
Response: 351710924
Conc: 516.07 ng/ml



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Fax : 908 789 8922

Report of Analysis

Client: Walsh Construction Company II, LLC
 Project: Walsh CO-032 Sampling
 Client Sample ID: PB167293BS
 Lab Sample ID: PB167293BS
 Analytical Method: 8151A
 Sample Wt/Vol: 30.01 g Final Vol: 10000 uL
 Prep Method: 8151A Prep Date: 03/25/25

Date Collected:
 Date Received:
 SDG No.: Q1626
 Matrix: SOIL
 % Solid: 100
 Test: Herbicide

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
1918-00-9	DICAMBA	187		1	7.70	67.0	ug/Kg	04/03/25 16:06	PB167293
120-36-5	DICHLORPROP	184		1	12.8	67.0	ug/Kg	04/03/25 16:06	PB167293
94-75-7	2,4-D	186		1	9.00	67.0	ug/Kg	04/03/25 16:06	PB167293
93-72-1	2,4,5-TP (Silvex)	192		1	9.10	67.0	ug/Kg	04/03/25 16:06	PB167293
93-76-5	2,4,5-T	194		1	8.70	67.0	ug/Kg	04/03/25 16:06	PB167293
94-82-6	2,4-DB	188		1	24.2	67.0	ug/Kg	04/03/25 16:06	PB167293
88-85-7	DINOSEB	188		1	10.8	67.0	ug/Kg	04/03/25 16:06	PB167293
SURROGATES									
19719-28-9	2,4-DCAA	599			10 - 141	120%	SPK: 500		

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS040325\
 Data File : PS029681.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 03 Apr 2025 16:06
 Operator : AR\AJ
 Sample : PB167293BS
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

PB167293BS

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 04/04/2025

Supervised By :mohammad ahmed 04/05/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 04 01:28:50 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS040225.M
 Quant Title : 8080.M
 QLast Update : Wed Apr 02 23:52:55 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
4) S	2,4-DCAA	6.960	7.475	1199.6E6	408.5E6	588.365	599.414
Target Compounds							
1) T	Dalapon	2.464	2.534	1844.2E6	854.7E6	543.625	538.344
2) T	3,5-DICHL...	6.163	6.469	1667.9E6	529.3E6	554.524	548.199
3) T	4-Nitroph...	6.751	7.009	763.9E6	379.8E6	543.749	535.643
5) T	DICAMBA	7.137	7.662	4665.8E6	2077.3E6	560.663	562.450
6) T	MCPD	7.315	7.767	293.5E6	89005885	54.156	52.714
7) T	MCPA	7.458	7.998	389.4E6	117.2E6	53.566	51.515
8) T	DICHLORPROP	7.819	8.356	1215.4E6	531.2E6	552.617	549.803
9) T	2,4-D	8.040	8.670	1333.2E6	600.6E6	553.270	556.889
10) T	Pentachlo...	8.319	9.172	17068.7E6	10449.6E6	561.377	582.876
11) T	2,4,5-TP ...	8.885	9.550	6547.2E6	4163.2E6	563.670	577.183
12) T	2,4,5-T	9.167	9.955	6532.1E6	3896.7E6	567.793	581.358
13) T	2,4-DB	9.727	10.513	1022.6E6	412.5E6	562.899	555.936
14) T	DINOSEB	10.891	10.884	4699.2E6	2880.4E6	556.641	563.380
15) T	Picloram	10.710	11.920	8631.6E6	5538.3E6	556.862	468.379m
16) T	DCPA	11.192	11.912	7685.7E6	5459.8E6	550.314	616.881m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS040325\
Data File : PS029681.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Apr 2025 16:06
Operator : AR\AJ
Sample : PB167293BS
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

PB167293BS

Manual Integrations

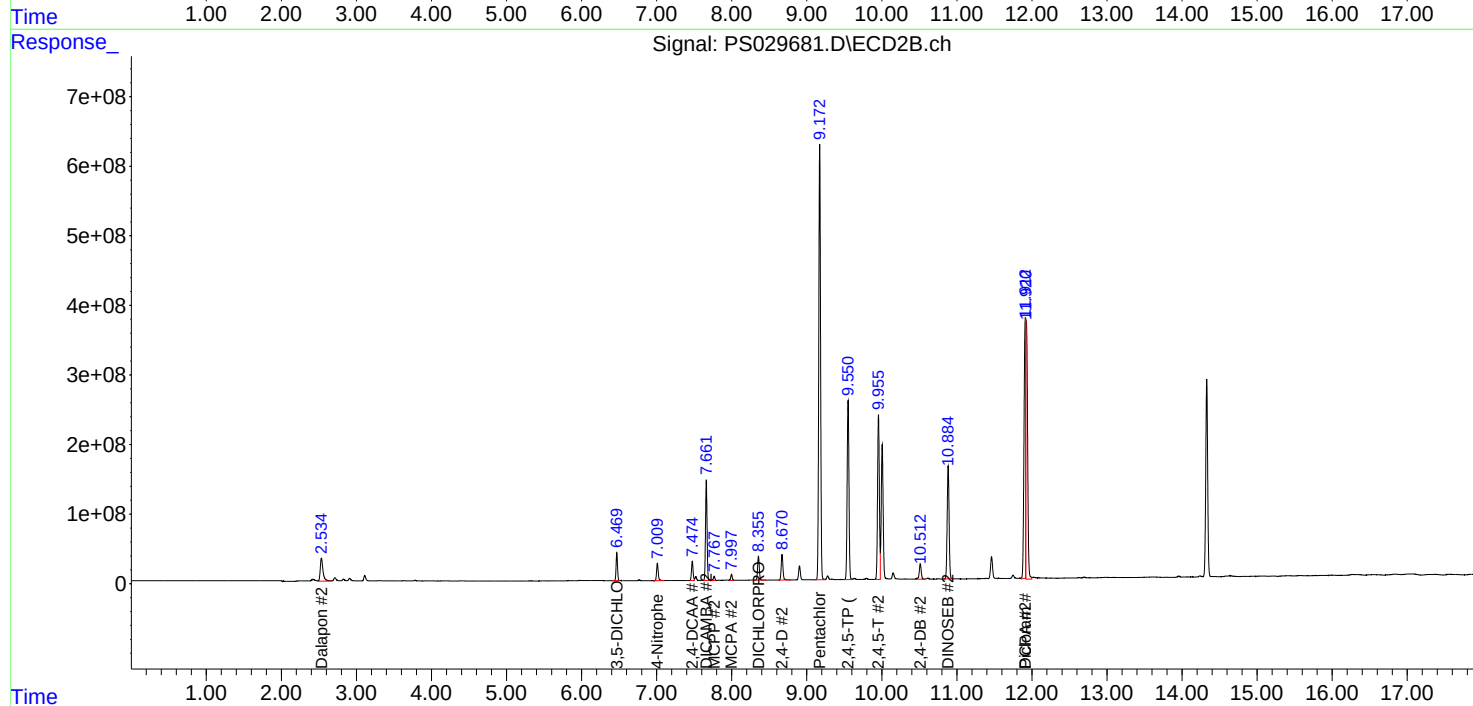
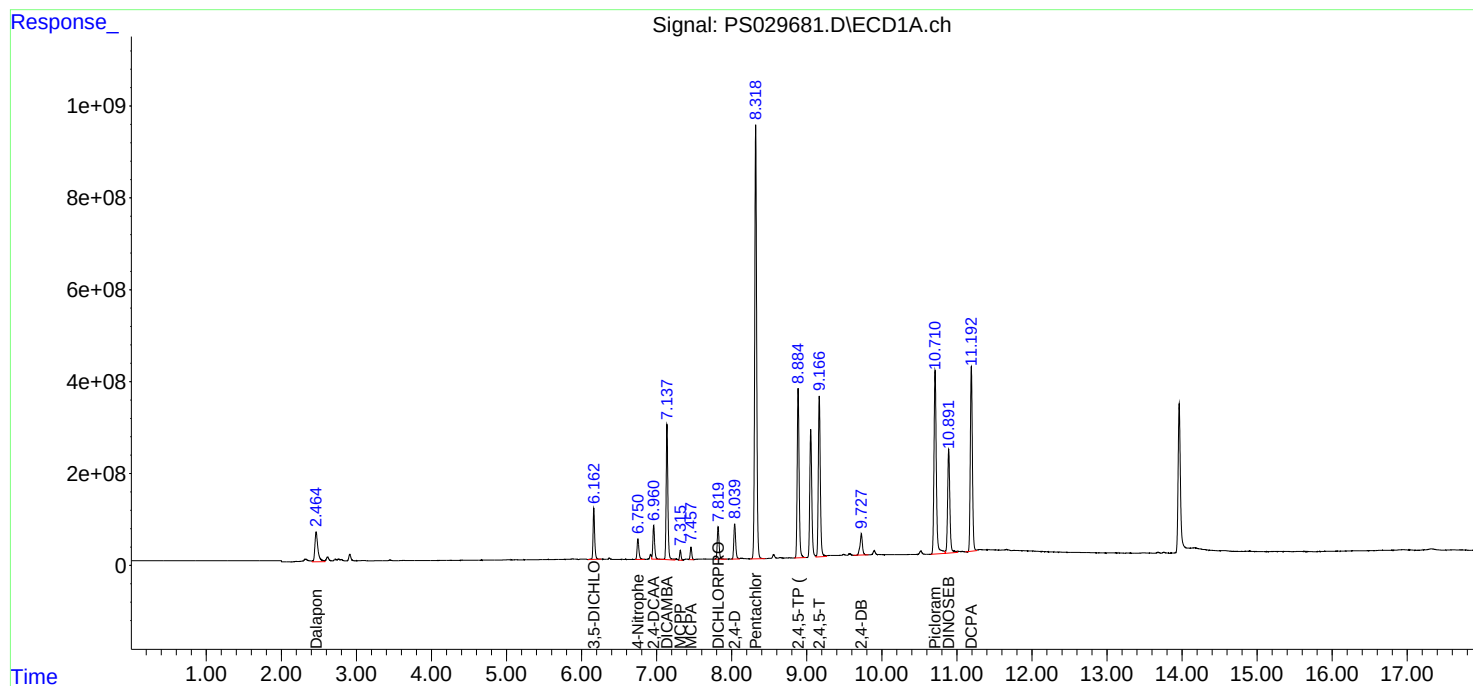
APPROVED

Reviewed By :Abdul Mirza 04/04/2025

Supervised By :mohammad ahmed 04/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 04 01:28:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS040225.M
Quant Title : 8080.M
QLast Update : Wed Apr 02 23:52:55 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm





284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Walsh Construction Company II, LLC		Date Collected:	03/21/25
Project:	Walsh CO-032 Sampling		Date Received:	03/21/25
Client Sample ID:	CO-32-1MS		SDG No.:	Q1626
Lab Sample ID:	Q1626-01MS		Matrix:	SOIL
Analytical Method:	8151A		% Solid:	94.8
Sample Wt/Vol:	30.06 g	Final Vol: 10000 uL	Test:	Herbicide
Prep Method:	8151A	Prep Date: 03/25/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
1918-00-9	DICAMBA	42.3	J	1	8.20	70.5	ug/Kg	03/28/25 01:39	PB167293
120-36-5	DICHLORPROP	19.0	J	1	13.5	70.5	ug/Kg	03/28/25 01:39	PB167293
94-75-7	2,4-D	53.1	JP	1	9.50	70.5	ug/Kg	03/28/25 01:39	PB167293
93-72-1	2,4,5-TP (Silvex)	14.0	J	1	9.50	70.5	ug/Kg	03/28/25 01:39	PB167293
93-76-5	2,4,5-T	22.8	J	1	9.20	70.5	ug/Kg	03/28/25 01:39	PB167293
94-82-6	2,4-DB	25.5	U	1	25.5	70.5	ug/Kg	03/28/25 01:39	PB167293
88-85-7	DINOSEB	11.4	U	1	11.4	70.5	ug/Kg	03/28/25 01:39	PB167293
SURROGATES									
19719-28-9	2,4-DCAA	104			10 - 141	21%	SPK: 500		

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS032825\
 Data File : PS029594.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 28 Mar 2025 01:39
 Operator : AR\AJ
 Sample : Q1626-01MS
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

CO-32-1MS

Manual Integrations**APPROVED**

Reviewed By :Abdul Mirza 03/28/2025

Supervised By :mohammad ahmed 04/01/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Mar 28 03:25:24 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS032825.M
 Quant Title : 8080.M
 QLast Update : Thu Mar 27 12:24:58 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
4) S	2,4-DCAA	7.112	7.533	392.4E6	89428715	102.188m	103.590
Target Compounds							
1) T	Dalapon	2.590	2.605	684.8E6	407.7E6	115.512m	196.537m#
2) T	3,5-DICHL...	6.305	6.524	460.7E6	86544020	80.585	70.238
5) T	DICAMBA	7.293	7.723	1910.0E6	471.4E6	120.485	98.612
6) T	MCPD	7.469	7.816	25544363	15543855	2.244m	7.508 #
7) T	MCPA	7.616	8.058	172.0E6	34519145	11.960	12.010
8) T	DICHLORPROP	7.991	8.425	231.1E6	67408400	52.616	54.117m
9) T	2,4-D	8.224	8.745	610.6E6	149.1E6	151.363	109.154 #
10) T	Pentachlo...	8.508	9.254	1783.9E6	662.9E6	30.022	29.866
11) T	2,4,5-TP ...	9.081	9.630	931.1E6	333.9E6	39.971	37.834
12) T	2,4,5-T	9.374	10.040	1336.8E6	434.0E6	64.899	54.444
13) T	2,4-DB	9.945	10.609	65362414	51895423	34.233	56.472 #
14) T	DINOSEB	11.123	10.971	227.7E6	44174995	12.840m	7.452m#
15) T	Picloram	10.950	12.031	3787.9E6	2212.9E6	263.167	177.366m#
16) T	DCPA	11.422	11.996	7655.0E6	3063.6E6	265.514	273.250m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS032825\
Data File : PS029594.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Mar 2025 01:39
Operator : AR\AJ
Sample : Q1626-01MS
Misc :
ALS Vial : 33 Sample Multiplier: 1

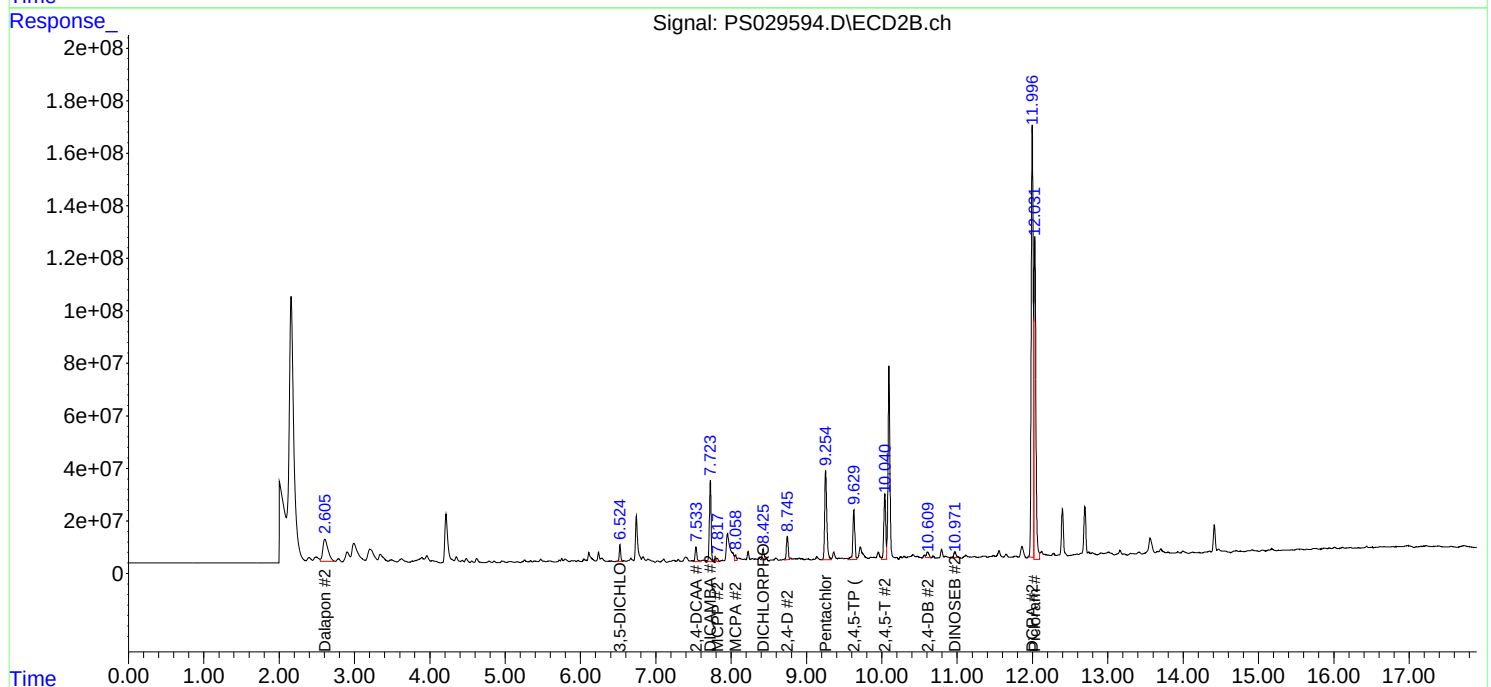
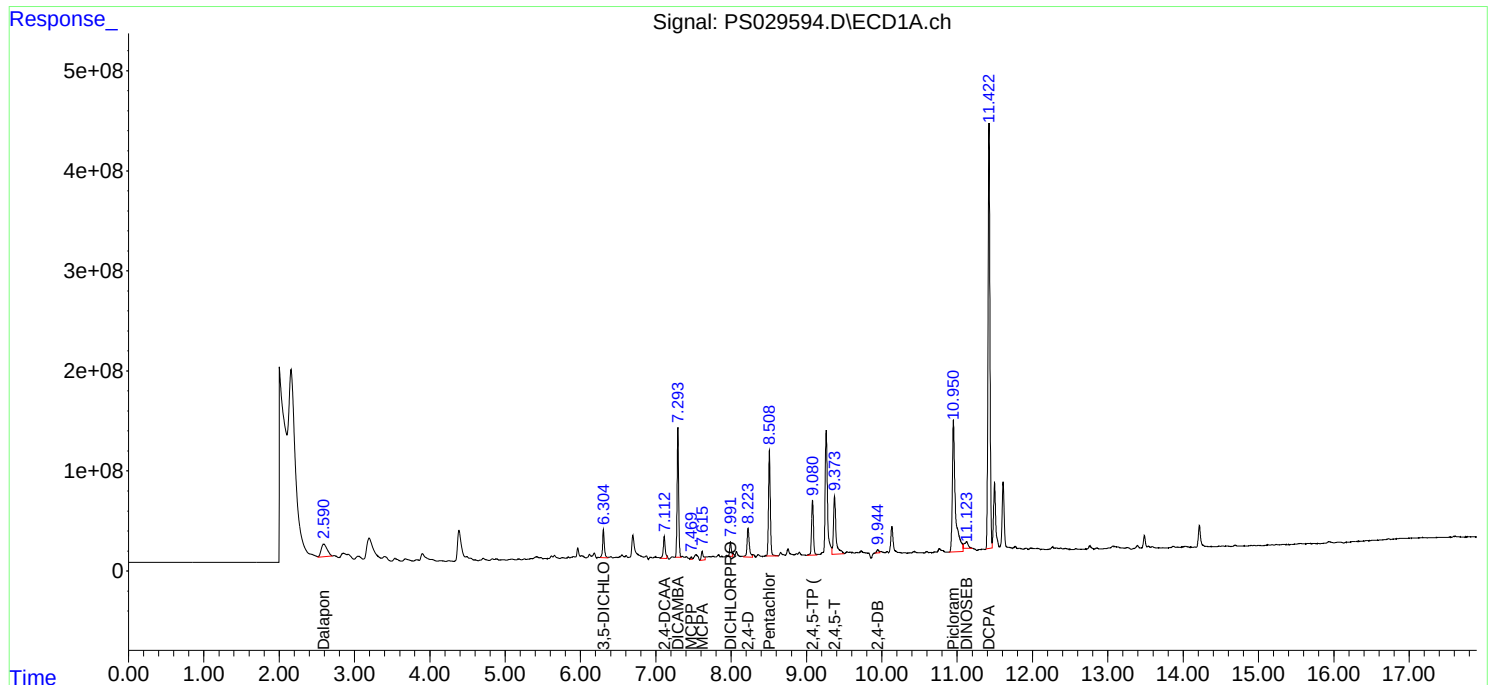
Instrument :
ECD_S
ClientSampleId :
CO-32-1MS

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/28/2025
Supervised By :mohammad ahmed 04/01/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 28 03:25:24 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS032825.M
Quant Title : 8080.M
QLast Update : Thu Mar 27 12:24:58 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm





284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Walsh Construction Company II, LLC		Date Collected:	03/21/25
Project:	Walsh CO-032 Sampling		Date Received:	03/21/25
Client Sample ID:	CO-32-1MSD		SDG No.:	Q1626
Lab Sample ID:	Q1626-01MSD		Matrix:	SOIL
Analytical Method:	8151A		% Solid:	94.8
Sample Wt/Vol:	30.04 g	Final Vol: 10000 uL	Test:	Herbicide
Prep Method:	8151A	Prep Date: 03/25/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
1918-00-9	DICAMBA	42.3	J	1	8.20	70.6	ug/Kg	03/28/25 02:03	PB167293
120-36-5	DICHLORPROP	18.1	J	1	13.5	70.6	ug/Kg	03/28/25 02:03	PB167293
94-75-7	2,4-D	51.5	JP	1	9.50	70.6	ug/Kg	03/28/25 02:03	PB167293
93-72-1	2,4,5-TP (Silvex)	14.1	J	1	9.50	70.6	ug/Kg	03/28/25 02:03	PB167293
93-76-5	2,4,5-T	22.8	J	1	9.20	70.6	ug/Kg	03/28/25 02:03	PB167293
94-82-6	2,4-DB	25.5	U	1	25.5	70.6	ug/Kg	03/28/25 02:03	PB167293
88-85-7	DINOSEB	11.4	U	1	11.4	70.6	ug/Kg	03/28/25 02:03	PB167293
SURROGATES									
19719-28-9	2,4-DCAA	102			10 - 141	20%	SPK: 500		

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS032825\
 Data File : PS029595.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 28 Mar 2025 02:03
 Operator : AR\AJ
 Sample : Q1626-01MSD
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

CO-32-1MSD

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 03/28/2025

Supervised By :mohammad ahmed 04/01/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Mar 28 07:19:29 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS032825.M
 Quant Title : 8080.M
 QLast Update : Thu Mar 27 12:24:58 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds						
4) S 2,4-DCAA	7.113	7.534	376.6E6	88386604	98.064m	102.383
Target Compounds						
1) T Dalapon	2.589	2.604	743.7E6	409.7E6	125.443m	197.517m#
2) T 3,5-DICHL...	6.305	6.525	461.9E6	88260849	80.800	71.631m
5) T DICAMBA	7.294	7.724	1909.4E6	472.9E6	120.447	98.917
6) T MCPP	7.470	7.817	23264004	14961797	2.044m	7.226m#
7) T MCPA	7.617	8.059	167.4E6	36815997	11.638	12.809
8) T DICHLORPROP	7.991	8.426	226.6E6	63251753	51.585m	50.780m
9) T 2,4-D	8.225	8.745	591.1E6	147.6E6	146.532	108.059m#
10) T Pentachlo...	8.509	9.255	1777.3E6	660.3E6	29.911	29.750
11) T 2,4,5-TP ...	9.082	9.630	933.1E6	293.2E6	40.056	33.220m
12) T 2,4,5-T	9.375	10.041	1335.7E6	438.2E6	64.845	54.982
13) T 2,4-DB	9.947	10.610	67186419	52345181	35.188	56.962 #
14) T DINOSEB	11.127	10.971	208.1E6	52391392	11.737m	8.838
15) T Picloram	10.951	12.032	3794.5E6	2157.1E6	263.625	172.900m#
16) T DCPA	11.425	11.997	7610.2E6	3017.2E6	263.958	269.113m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS032825\
Data File : PS029595.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Mar 2025 02:03
Operator : AR\AJ
Sample : Q1626-01MSD
Misc :
ALS Vial : 34 Sample Multiplier: 1

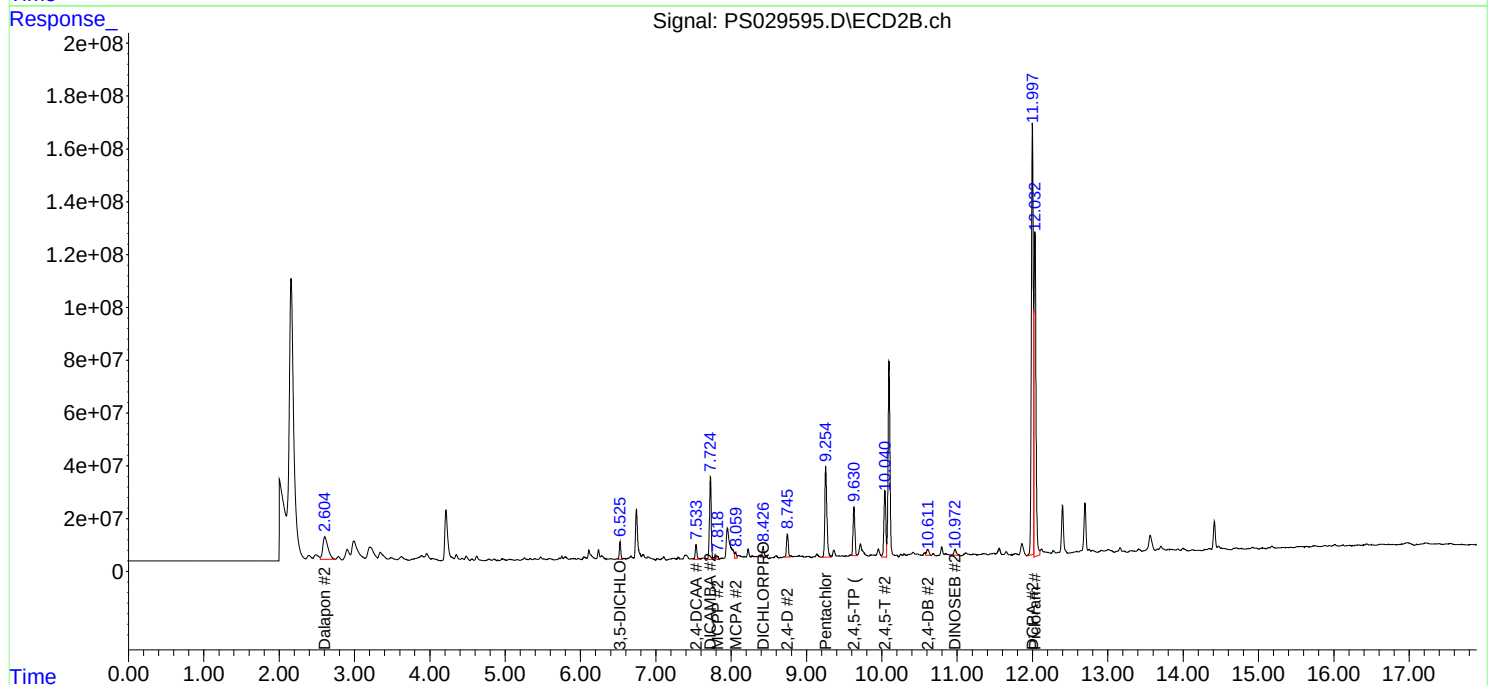
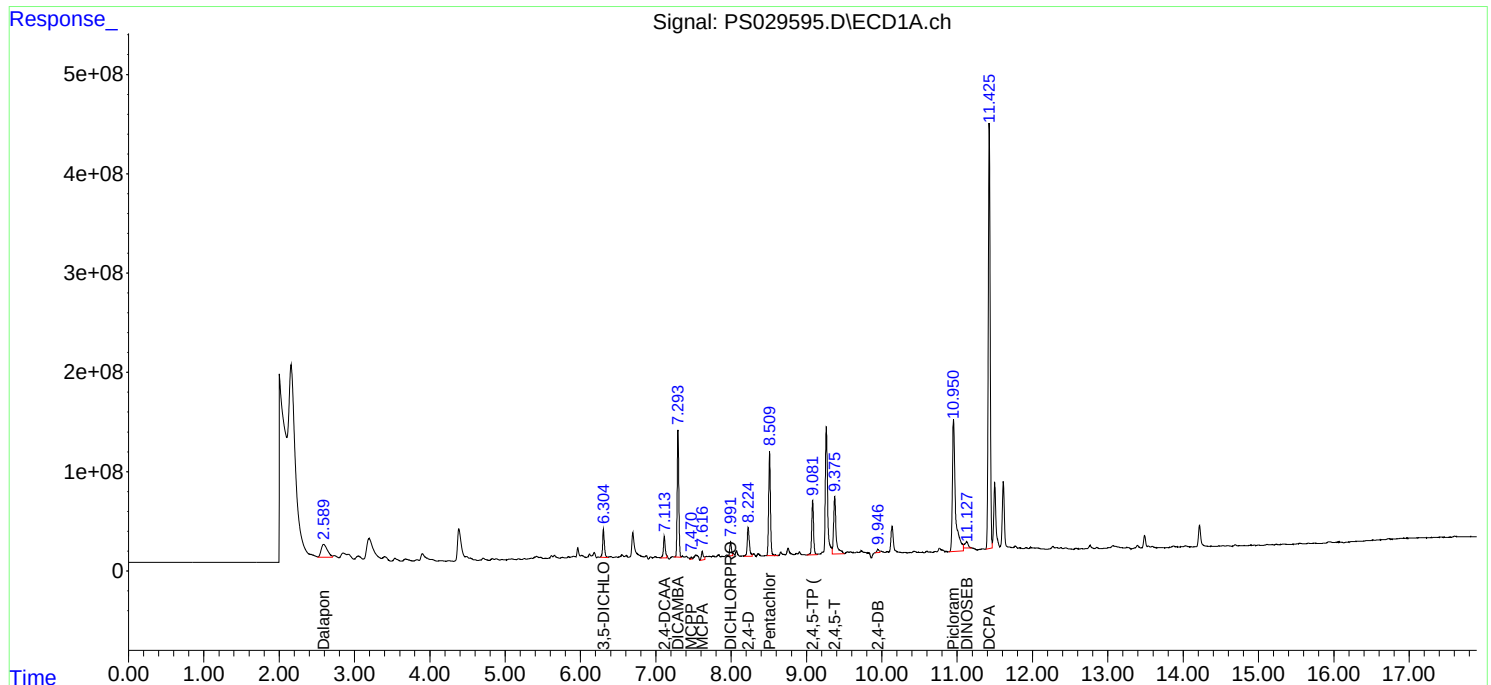
Instrument :
ECD_S
ClientSampleId :
CO-32-1MSD

Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 03/28/2025
Supervised By : mohammad ahmed 04/01/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 28 07:19:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS032825.M
Quant Title : 8080.M
QLast Update : Thu Mar 27 12:24:58 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x 0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



Manual Integration Report

Sequence:

PS032725

Instrument

ECD_s

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
I.BLK	PS029543.D	2,4-DCAA	Abdul	3/27/2025 8:25:32 AM	mohammad	3/28/2025 1:18:23	Peak Integrated by Software
HSTDICC200	PS029544.D	4-Nitrophenol	Abdul	3/27/2025 8:25:35 AM	mohammad	3/28/2025 1:18:23	Peak Integrated by Software
Q1626-01	PS029554.D	2,4-DCAA	Abdul	3/27/2025 8:25:42 AM	mohammad	3/28/2025 1:18:23	Peak Integrated by Software
Q1626-01	PS029554.D	2,4-DCAA #2	Abdul	3/27/2025 8:25:42 AM	mohammad	3/28/2025 1:18:23	Peak Integrated by Software

Manual Integration Report

Sequence:	PS032825	Instrument	ECD_s
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
I.BLK	PS029575.D	2,4-DCAA	Abdul	3/28/2025 11:26:57 AM	mohammad	4/1/2025 1:29:30	Peak Integrated by Software
HSTDCCC750	PS029576.D	4-Nitrophenol	Abdul	3/28/2025 11:27:01 AM	mohammad	4/1/2025 1:29:30	Peak Integrated by Software
HSTDCCC750	PS029576.D	DINOSEB #2	Abdul	3/28/2025 11:27:01 AM	mohammad	4/1/2025 1:29:30	Peak Integrated by Software
I.BLK	PS029587.D	2,4-DCAA	Abdul	3/28/2025 11:24:54 AM	mohammad	4/1/2025 1:29:30	Peak Integrated by Software
HSTDCCC750	PS029588.D	2,4-DB	Abdul	3/28/2025 11:24:58 AM	mohammad	4/1/2025 1:29:30	Peak Integrated by Software
Q1626-01	PS029593.D	2,4-DCAA	Abdul	3/28/2025 11:25:18 AM	mohammad	4/1/2025 1:29:30	Peak Integrated by Software
Q1626-01MS	PS029594.D	2,4-DCAA	Abdul	3/28/2025 11:25:22 AM	mohammad	4/1/2025 1:29:30	Peak Integrated by Software
Q1626-01MS	PS029594.D	Dalapon	Abdul	3/28/2025 11:25:22 AM	mohammad	4/1/2025 1:29:30	Peak Integrated by Software
Q1626-01MS	PS029594.D	Dalapon #2	Abdul	3/28/2025 11:25:22 AM	mohammad	4/1/2025 1:29:30	Peak Integrated by Software
Q1626-01MS	PS029594.D	DCPA #2	Abdul	3/28/2025 11:25:22 AM	mohammad	4/1/2025 1:29:30	Peak Integrated by Software
Q1626-01MS	PS029594.D	DICHLORPROP #2	Abdul	3/28/2025 11:25:22 AM	mohammad	4/1/2025 1:29:30	Peak Integrated by Software
Q1626-01MS	PS029594.D	DINOSEB	Abdul	3/28/2025 11:25:22 AM	mohammad	4/1/2025 1:29:30	Peak Integrated by Software
Q1626-01MS	PS029594.D	DINOSEB #2	Abdul	3/28/2025 11:25:22 AM	mohammad	4/1/2025 1:29:30	Peak Integrated by Software

Manual Integration Report

Sequence:	PS032825	Instrument	ECD_s
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q1626-01MS	PS029594.D	MCP	Abdul	3/28/2025 11:25:22 AM	mohammad	4/1/2025 1:29:30	Peak Integrated by Software
Q1626-01MS	PS029594.D	Picloram #2	Abdul	3/28/2025 11:25:22 AM	mohammad	4/1/2025 1:29:30	Peak Integrated by Software
Q1626-01MSD	PS029595.D	2,4,5-TP (SILVEX) #2	Abdul	3/28/2025 11:25:27 AM	mohammad	4/1/2025 1:29:30	Peak Integrated by Software
Q1626-01MSD	PS029595.D	2,4-D #2	Abdul	3/28/2025 11:25:27 AM	mohammad	4/1/2025 1:29:30	Peak Integrated by Software
Q1626-01MSD	PS029595.D	2,4-DCAA	Abdul	3/28/2025 11:25:27 AM	mohammad	4/1/2025 1:29:30	Peak Integrated by Software
Q1626-01MSD	PS029595.D	3,5-DICHLOROBENZOIC ACID #2	Abdul	3/28/2025 11:25:27 AM	mohammad	4/1/2025 1:29:30	Peak Integrated by Software
Q1626-01MSD	PS029595.D	Dalapon	Abdul	3/28/2025 11:25:27 AM	mohammad	4/1/2025 1:29:30	Peak Integrated by Software
Q1626-01MSD	PS029595.D	Dalapon #2	Abdul	3/28/2025 11:25:27 AM	mohammad	4/1/2025 1:29:30	Peak Integrated by Software
Q1626-01MSD	PS029595.D	DCPA #2	Abdul	3/28/2025 11:25:27 AM	mohammad	4/1/2025 1:29:30	Peak Integrated by Software
Q1626-01MSD	PS029595.D	DICHLORPROP	Abdul	3/28/2025 11:25:27 AM	mohammad	4/1/2025 1:29:30	Peak Integrated by Software
Q1626-01MSD	PS029595.D	DICHLORPROP #2	Abdul	3/28/2025 11:25:27 AM	mohammad	4/1/2025 1:29:30	Peak Integrated by Software
Q1626-01MSD	PS029595.D	DINOSEB	Abdul	3/28/2025 11:25:27 AM	mohammad	4/1/2025 1:29:30	Peak Integrated by Software
Q1626-01MSD	PS029595.D	MCP	Abdul	3/28/2025 11:25:27 AM	mohammad	4/1/2025 1:29:30	Peak Integrated by Software

Manual Integration Report

Sequence:

PS032825

Instrument

ECD_s

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q1626-01MSD	PS029595.D	MCPD #2	Abdul	3/28/2025 11:25:27 AM	mohammad	4/1/2025 1:29:30	Peak Integrated by Software
Q1626-01MSD	PS029595.D	Picloram #2	Abdul	3/28/2025 11:25:27 AM	mohammad	4/1/2025 1:29:30	Peak Integrated by Software
I.BLK	PS029599.D	2,4-DCAA	Abdul	3/28/2025 11:25:42 AM	mohammad	4/1/2025 1:29:30	Peak Integrated by Software
HSTDCCC750	PS029600.D	2,4-DB	Abdul	3/28/2025 11:25:49 AM	mohammad	4/1/2025 1:29:30	Peak Integrated by Software
HSTDCCC750	PS029600.D	DINOSEB #2	Abdul	3/28/2025 11:25:49 AM	mohammad	4/1/2025 1:29:30	Peak Integrated by Software
PB167293BL	PS029603.D	2,4-DCAA	Abdul	3/28/2025 11:26:00 AM	mohammad	4/1/2025 1:29:30	Peak Integrated by Software
I.BLK	PS029611.D	2,4-DCAA	Abdul	3/28/2025 11:26:28 AM	mohammad	4/1/2025 1:29:30	Peak Integrated by Software
HSTDCCC750	PS029612.D	2,4-DB	Abdul	3/28/2025 11:26:32 AM	mohammad	4/1/2025 1:29:30	Peak Integrated by Software
HSTDCCC750	PS029612.D	DINOSEB #2	Abdul	3/28/2025 11:26:32 AM	mohammad	4/1/2025 1:29:30	Peak Integrated by Software

Manual Integration Report

Sequence:	PS040225	Instrument	ECD_s
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
HSTDICC750	PS029659.D	DCPA #2	Abdul	4/3/2025 9:24:54 AM	mohammad	4/4/2025 7:53:55	Peak Integrated by Software
HSTDICC750	PS029659.D	Picloram #2	Abdul	4/3/2025 9:24:54 AM	mohammad	4/4/2025 7:53:55	Peak Integrated by Software
HSTDICC1000	PS029660.D	DCPA #2	Abdul	4/3/2025 9:24:59 AM	mohammad	4/4/2025 7:53:55	Peak Integrated by Software
HSTDICC1000	PS029660.D	Picloram #2	Abdul	4/3/2025 9:24:59 AM	mohammad	4/4/2025 7:53:55	Peak Integrated by Software
HSTDICC1500	PS029661.D	DCPA #2	Abdul	4/3/2025 9:25:02 AM	mohammad	4/4/2025 7:53:55	Peak Integrated by Software
HSTDICC1500	PS029661.D	Picloram #2	Abdul	4/3/2025 9:25:02 AM	mohammad	4/4/2025 7:53:55	Peak Integrated by Software
HSTDICV750	PS029662.D	DCPA #2	Abdul	4/3/2025 9:25:06 AM	mohammad	4/4/2025 7:53:55	Peak Integrated by Software
HSTDICV750	PS029662.D	Picloram #2	Abdul	4/3/2025 9:25:06 AM	mohammad	4/4/2025 7:53:55	Peak Integrated by Software

Manual Integration Report

Sequence:

ps040325

Instrument

ECD_s

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
HSTDCCC750	PS029666.D	DCPA #2	Abdul	4/3/2025 12:16:03 PM	mohammad	4/5/2025 3:48:57	Peak Integrated by Software
HSTDCCC750	PS029666.D	Picloram #2	Abdul	4/3/2025 12:16:03 PM	mohammad	4/5/2025 3:48:57	Peak Integrated by Software
PB167293BS	PS029681.D	DCPA #2	Abdul	4/4/2025 1:02:52 PM	mohammad	4/5/2025 3:48:57	Peak Integrated by Software
PB167293BS	PS029681.D	Picloram #2	Abdul	4/4/2025 1:02:52 PM	mohammad	4/5/2025 3:48:57	Peak Integrated by Software
HSTDCCC750	PS029683.D	DCPA #2	Abdul	4/4/2025 1:02:56 PM	mohammad	4/5/2025 3:48:57	Peak Integrated by Software
HSTDCCC750	PS029683.D	Picloram #2	Abdul	4/4/2025 1:02:56 PM	mohammad	4/5/2025 3:48:57	Peak Integrated by Software
HSTDCCC750	PS029693.D	DCPA #2	Abdul	4/4/2025 1:03:18 PM	mohammad	4/5/2025 3:48:57	Peak Integrated by Software
HSTDCCC750	PS029693.D	Picloram #2	Abdul	4/4/2025 1:03:18 PM	mohammad	4/5/2025 3:48:57	Peak Integrated by Software
HSTDCCC750	PS029701.D	DCPA	Abdul	4/4/2025 1:03:32 PM	mohammad	4/5/2025 3:48:57	Peak Integrated by Software
HSTDCCC750	PS029701.D	DCPA #2	Abdul	4/4/2025 1:03:32 PM	mohammad	4/5/2025 3:48:57	Peak Integrated by Software
HSTDCCC750	PS029701.D	Picloram	Abdul	4/4/2025 1:03:32 PM	mohammad	4/5/2025 3:48:57	Peak Integrated by Software
HSTDCCC750	PS029701.D	Picloram #2	Abdul	4/4/2025 1:03:32 PM	mohammad	4/5/2025 3:48:57	Peak Integrated by Software



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

Manual Integration Report

Sequence:

ps040325

Instrument

ECD_s

Sample ID

File ID

Parameter

Review By

Review On

Supervised
By

Supervised On

Reason

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS032725

Review By	Abdul	Review On	3/27/2025 8:26:06 AM
Supervise By	mohammad	Supervise On	3/28/2025 1:18:23 AM
SubDirectory	PS032725	HP Acquire Method	HP Processing Method ps032527 8151
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24064,PP24065,PP24066,PP24067,PP24068		
CCC Internal Standard/PEM	PP24066		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24069,PP24070		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PS029542.D	26 Mar 2025 11:48	AR\AJ	Ok
2	I.BLK	PS029543.D	26 Mar 2025 12:12	AR\AJ	Ok,M
3	HSTDICC200	PS029544.D	26 Mar 2025 12:36	AR\AJ	Not Ok
4	HSTDICC500	PS029545.D	26 Mar 2025 13:04	AR\AJ	Not Ok
5	HSTDICC750	PS029546.D	26 Mar 2025 13:28	AR\AJ	Not Ok
6	HSTDICC1000	PS029547.D	26 Mar 2025 13:52	AR\AJ	Not Ok
7	HSTDICC1500	PS029548.D	26 Mar 2025 14:16	AR\AJ	Not Ok
8	HSTDICC200	PS029549.D	26 Mar 2025 15:28	AR\AJ	Not Ok
9	HSTDICV750	PS029550.D	26 Mar 2025 16:06	AR\AJ	Not Ok
10	I.BLK	PS029551.D	26 Mar 2025 16:30	AR\AJ	Ok
11	HSTDCCC750	PS029552.D	26 Mar 2025 16:54	AR\AJ	Not Ok
12	Q1627-01	PS029553.D	26 Mar 2025 17:18	AR\AJ	ReRun
13	Q1626-01	PS029554.D	26 Mar 2025 17:42	AR\AJ	ReRun
14	Q1626-03	PS029555.D	26 Mar 2025 18:06	AR\AJ	ReRun

M : Manual Integration

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS032825

Review By	Abdul	Review On	3/28/2025 8:31:32 AM
Supervise By	mohammad	Supervise On	4/1/2025 1:29:30 AM
SubDirectory	PS032825	HP Acquire Method	HP Processing Method ps032825 8151
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24064,PP24065,PP24066,PP24067,PP24068		
CCC Internal Standard/PEM	PP24066		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24069,PP24070		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PS029556.D	27 Mar 2025 09:25	AR\AJ	Ok
2	I.BLK	PS029557.D	27 Mar 2025 09:49	AR\AJ	Ok
3	HSTDICC200	PS029558.D	27 Mar 2025 10:13	AR\AJ	Ok
4	HSTDICC500	PS029559.D	27 Mar 2025 10:37	AR\AJ	Ok
5	HSTDICC750	PS029560.D	27 Mar 2025 11:01	AR\AJ	Ok
6	HSTDICC1000	PS029561.D	27 Mar 2025 11:25	AR\AJ	Ok
7	HSTDICC1500	PS029562.D	27 Mar 2025 11:49	AR\AJ	Ok
8	HSTDICV750	PS029563.D	27 Mar 2025 12:25	AR\AJ	Ok
9	I.BLK	PS029564.D	27 Mar 2025 12:49	AR\AJ	Ok
10	HSTDCCC750	PS029565.D	27 Mar 2025 13:13	AR\AJ	Ok
11	Q1609-03	PS029566.D	27 Mar 2025 13:37	AR\AJ	Ok,M
12	Q1625-01	PS029567.D	27 Mar 2025 14:01	AR\AJ	Ok
13	Q1632-02	PS029568.D	27 Mar 2025 14:25	AR\AJ	Ok
14	Q1630-01	PS029569.D	27 Mar 2025 14:49	AR\AJ	Ok,M
15	Q1636-01	PS029570.D	27 Mar 2025 15:13	AR\AJ	Ok,M
16	Q1636-05	PS029571.D	27 Mar 2025 15:38	AR\AJ	Ok,M
17	Q1636-09	PS029572.D	27 Mar 2025 16:02	AR\AJ	Ok
18	Q1636-13	PS029573.D	27 Mar 2025 16:26	AR\AJ	Ok
19	Q1636-17	PS029574.D	27 Mar 2025 16:50	AR\AJ	Ok,M
20	I.BLK	PS029575.D	27 Mar 2025 17:14	AR\AJ	Ok,M
21	HSTDCCC750	PS029576.D	27 Mar 2025 18:02	AR\AJ	Ok,M

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS032825

Review By	Abdul	Review On	3/28/2025 8:31:32 AM
Supervise By	mohammad	Supervise On	4/1/2025 1:29:30 AM
SubDirectory	PS032825	HP Acquire Method	HP Processing Method ps032825 8151
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24064,PP24065,PP24066,PP24067,PP24068		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24066 PP24069,PP24070		

22	Q1609-03MS	PS029577.D	27 Mar 2025 18:26	AR\AJ	Ok,M
23	Q1609-03MSD	PS029578.D	27 Mar 2025 18:50	AR\AJ	Ok,M
24	Q1636-05MS	PS029579.D	27 Mar 2025 19:14	AR\AJ	Ok,M
25	Q1636-05MSD	PS029580.D	27 Mar 2025 19:38	AR\AJ	Ok,M
26	Q1648-01	PS029581.D	27 Mar 2025 20:02	AR\AJ	Ok
27	Q1648-03	PS029582.D	27 Mar 2025 20:26	AR\AJ	Ok,M
28	Q1648-05	PS029583.D	27 Mar 2025 20:50	AR\AJ	Ok,M
29	Q1648-07	PS029584.D	27 Mar 2025 21:14	AR\AJ	Ok,M
30	Q1648-09	PS029585.D	27 Mar 2025 21:38	AR\AJ	Ok,M
31	Q1648-11	PS029586.D	27 Mar 2025 22:02	AR\AJ	Ok,M
32	I.BLK	PS029587.D	27 Mar 2025 22:26	AR\AJ	Ok,M
33	HSTDCCC750	PS029588.D	27 Mar 2025 22:51	AR\AJ	Ok,M
34	Q1648-13	PS029589.D	27 Mar 2025 23:39	AR\AJ	Ok,M
35	Q1648-13MS	PS029590.D	28 Mar 2025 00:03	AR\AJ	Ok,M
36	Q1648-13MSD	PS029591.D	28 Mar 2025 00:27	AR\AJ	Ok,M
37	Q1627-01	PS029592.D	28 Mar 2025 00:51	AR\AJ	Ok,M
38	Q1626-01	PS029593.D	28 Mar 2025 01:15	AR\AJ	Ok,M
39	Q1626-01MS	PS029594.D	28 Mar 2025 01:39	AR\AJ	Ok,M
40	Q1626-01MSD	PS029595.D	28 Mar 2025 02:03	AR\AJ	Ok,M
41	Q1626-03	PS029596.D	28 Mar 2025 02:27	AR\AJ	Ok,M
42	PB167312BL	PS029597.D	28 Mar 2025 02:51	AR\AJ	Ok,M
43	PB167233TB	PS029598.D	28 Mar 2025 03:15	AR\AJ	Ok,M
44	I.BLK	PS029599.D	28 Mar 2025 03:39	AR\AJ	Ok,M

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS032825

Review By	Abdul	Review On	3/28/2025 8:31:32 AM
Supervise By	mohammad	Supervise On	4/1/2025 1:29:30 AM
SubDirectory	PS032825	HP Acquire Method	HP Processing Method ps032825 8151
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24064,PP24065,PP24066,PP24067,PP24068		
CCC Internal Standard/PEM	PP24066		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24069,PP24070		

45	HSTDCCC750	PS029600.D	28 Mar 2025 04:27	AR\AJ	Ok,M
46	PB167312BS	PS029601.D	28 Mar 2025 04:51	AR\AJ	Ok,M
47	PB167275TB	PS029602.D	28 Mar 2025 05:15	AR\AJ	Ok,M
48	PB167293BL	PS029603.D	28 Mar 2025 05:39	AR\AJ	Ok,M
49	PB167293BS	PS029604.D	28 Mar 2025 06:03	AR\AJ	Not Ok
50	Q1635-01	PS029605.D	28 Mar 2025 06:27	AR\AJ	Ok,M
51	PB167322BL	PS029606.D	28 Mar 2025 06:51	AR\AJ	Ok,M
52	PB167322BS	PS029607.D	28 Mar 2025 07:15	AR\AJ	Ok,M
53	Q1642-01	PS029608.D	28 Mar 2025 07:39	AR\AJ	Ok,M
54	Q1645-01	PS029609.D	28 Mar 2025 08:03	AR\AJ	Ok,M
55	Q1645-05	PS029610.D	28 Mar 2025 08:27	AR\AJ	Ok,M
56	I.BLK	PS029611.D	28 Mar 2025 08:51	AR\AJ	Ok,M
57	HSTDCCC750	PS029612.D	28 Mar 2025 09:15	AR\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS040225

Review By	Abdul	Review On	4/3/2025 9:25:38 AM
Supervise By	mohammad	Supervise On	4/4/2025 7:53:55 AM
SubDirectory	PS040225	HP Acquire Method	HP Processing Method ps040225 8151
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24064,PP24065,PP24066,PP24067,PP24068		
CCC Internal Standard/PEM	PP24066		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24069,PP24070		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PS029655.D	02 Apr 2025 16:20	AR\AJ	Ok
2	I.BLK	PS029656.D	02 Apr 2025 16:44	AR\AJ	Ok
3	HSTDICC200	PS029657.D	02 Apr 2025 17:32	AR\AJ	Ok
4	HSTDICC500	PS029658.D	02 Apr 2025 17:56	AR\AJ	Ok
5	HSTDICC750	PS029659.D	02 Apr 2025 18:44	AR\AJ	Ok,M
6	HSTDICC1000	PS029660.D	02 Apr 2025 19:32	AR\AJ	Ok,M
7	HSTDICC1500	PS029661.D	02 Apr 2025 20:44	AR\AJ	Ok,M
8	HSTDICV750	PS029662.D	02 Apr 2025 21:32	AR\AJ	Ok,M
9	I.BLK	PS029663.D	02 Apr 2025 21:56	AR\AJ	Ok

M : Manual Integration

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS040325

Review By	Abdul	Review On	4/3/2025 12:16:42 PM
Supervise By	mohammad	Supervise On	4/5/2025 3:48:57 AM
SubDirectory	PS040325	HP Acquire Method	HP Processing Method ps040225 8151
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24064,PP24065,PP24066,PP24067,PP24068		
CCC Internal Standard/PEM	PP24066		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24069,PP24070		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PS029664.D	03 Apr 2025 08:26	AR\AJ	Ok
2	I.BLK	PS029665.D	03 Apr 2025 08:50	AR\AJ	Ok
3	HSTDCCC750	PS029666.D	03 Apr 2025 09:14	AR\AJ	Ok,M
4	PB167229BS	PS029667.D	03 Apr 2025 09:48	AR\AJ	Not Ok
5	PB167229BSD	PS029668.D	03 Apr 2025 10:12	AR\AJ	Not Ok
6	PB167229BL	PS029669.D	03 Apr 2025 10:36	AR\AJ	Not Ok
7	Q1502-17	PS029670.D	03 Apr 2025 11:06	AR\AJ	Ok,M
8	Q1672-01	PS029671.D	03 Apr 2025 11:30	AR\AJ	Ok,M
9	I.BLK	PS029672.D	03 Apr 2025 12:08	AR\AJ	Ok
10	HSTDCCC750	PS029673.D	03 Apr 2025 12:32	AR\AJ	Ok
11	PB167396BL	PS029674.D	03 Apr 2025 13:18	AR\AJ	Ok,M
12	PB167396BS	PS029675.D	03 Apr 2025 13:42	AR\AJ	Ok,M
13	Q1671-01	PS029676.D	03 Apr 2025 14:06	AR\AJ	Ok,M
14	Q1671-01MS	PS029677.D	03 Apr 2025 14:30	AR\AJ	Ok,M
15	Q1671-01MSD	PS029678.D	03 Apr 2025 14:54	AR\AJ	Ok,M
16	Q1674-01	PS029679.D	03 Apr 2025 15:18	AR\AJ	Ok,M
17	Q1674-03	PS029680.D	03 Apr 2025 15:42	AR\AJ	Ok,M
18	PB167293BS	PS029681.D	03 Apr 2025 16:06	AR\AJ	Ok,M
19	I.BLK	PS029682.D	03 Apr 2025 16:40	AR\AJ	Ok
20	HSTDCCC750	PS029683.D	03 Apr 2025 17:59	AR\AJ	Ok,M
21	PB167433BL	PS029684.D	03 Apr 2025 18:23	AR\AJ	Not Ok

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS040325

Review By	Abdul	Review On	4/3/2025 12:16:42 PM
Supervise By	mohammad	Supervise On	4/5/2025 3:48:57 AM
SubDirectory	PS040325	HP Acquire Method	HP Processing Method ps040225 8151
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24064,PP24065,PP24066,PP24067,PP24068		
CCC Internal Standard/PEM	PP24066		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24069,PP24070		

22	PB167433BS	PS029685.D	03 Apr 2025 18:47	AR\AJ	Not Ok
23	Q1679-01	PS029686.D	03 Apr 2025 19:11	AR\AJ	Not Ok
24	Q1679-05	PS029687.D	03 Apr 2025 19:35	AR\AJ	Not Ok
25	Q1680-01	PS029688.D	03 Apr 2025 19:59	AR\AJ	Not Ok
26	Q1681-01	PS029689.D	03 Apr 2025 20:23	AR\AJ	Not Ok
27	Q1681-01MS	PS029690.D	03 Apr 2025 20:48	AR\AJ	Not Ok
28	Q1681-01MSD	PS029691.D	03 Apr 2025 21:12	AR\AJ	Not Ok
29	I.BLK	PS029692.D	03 Apr 2025 21:36	AR\AJ	Ok
30	HSTDCCC750	PS029693.D	03 Apr 2025 22:00	AR\AJ	Not Ok
31	Q1693-01	PS029694.D	03 Apr 2025 22:48	AR\AJ	Not Ok
32	Q1693-05	PS029695.D	03 Apr 2025 23:12	AR\AJ	Not Ok
33	Q1693-09	PS029696.D	03 Apr 2025 23:36	AR\AJ	Not Ok
34	Q1694-01	PS029697.D	04 Apr 2025 00:00	AR\AJ	Not Ok
35	Q1695-01	PS029698.D	04 Apr 2025 00:24	AR\AJ	Not Ok
36	Q1695-05	PS029699.D	04 Apr 2025 00:48	AR\AJ	Not Ok
37	I.BLK	PS029700.D	04 Apr 2025 01:12	AR\AJ	Ok
38	HSTDCCC750	PS029701.D	04 Apr 2025 01:36	AR\AJ	Not Ok

M : Manual Integration

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS032725

Review By	Abdul	Review On	3/27/2025 8:26:06 AM
Supervise By	mohammad	Supervise On	3/28/2025 1:18:23 AM
SubDirectory	PS032725	HP Acquire Method	HP Processing Method ps032527 8151

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	PP24064,PP24065,PP24066,PP24067,PP24068
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24066 PP24069,PP24070

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PS029542.D	26 Mar 2025 11:48		AR\AJ	Ok
2	I.BLK	I.BLK	PS029543.D	26 Mar 2025 12:12		AR\AJ	Ok,M
3	HSTDICC200	HSTDICC200	PS029544.D	26 Mar 2025 12:36	Not in Use	AR\AJ	Not Ok
4	HSTDICC500	HSTDICC500	PS029545.D	26 Mar 2025 13:04	Method Fail	AR\AJ	Not Ok
5	HSTDICC750	HSTDICC750	PS029546.D	26 Mar 2025 13:28	Method Fail	AR\AJ	Not Ok
6	HSTDICC1000	HSTDICC1000	PS029547.D	26 Mar 2025 13:52	Method Fail	AR\AJ	Not Ok
7	HSTDICC1500	HSTDICC1500	PS029548.D	26 Mar 2025 14:16	Method Fail	AR\AJ	Not Ok
8	HSTDICC200	HSTDICC200	PS029549.D	26 Mar 2025 15:28	Method Fail, F flag in comp#15	AR\AJ	Not Ok
9	HSTDICV750	ICVPS032725	PS029550.D	26 Mar 2025 16:06	Method Fail	AR\AJ	Not Ok
10	I.BLK	I.BLK	PS029551.D	26 Mar 2025 16:30		AR\AJ	Ok
11	HSTDCCC750	HSTDCCC750	PS029552.D	26 Mar 2025 16:54	Method fail	AR\AJ	Not Ok
12	Q1627-01	GRID-LINE-1.2-NORTH	PS029553.D	26 Mar 2025 17:18	Method fail	AR\AJ	ReRun
13	Q1626-01	CO-32-1	PS029554.D	26 Mar 2025 17:42	Method fail	AR\AJ	ReRun
14	Q1626-03	CO-32-1	PS029555.D	26 Mar 2025 18:06	Method fail	AR\AJ	ReRun

M : Manual Integration

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS032825

Review By	Abdul	Review On	3/28/2025 8:31:32 AM
Supervise By	mohammad	Supervise On	4/1/2025 1:29:30 AM
SubDirectory	PS032825	HP Acquire Method	HP Processing Method ps032825 8151

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	PP24064,PP24065,PP24066,PP24067,PP24068
CCC Internal Standard/PEM	PP24066
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24069,PP24070

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PS029556.D	27 Mar 2025 09:25		AR\AJ	Ok
2	I.BLK	I.BLK	PS029557.D	27 Mar 2025 09:49		AR\AJ	Ok
3	HSTDICC200	HSTDICC200	PS029558.D	27 Mar 2025 10:13		AR\AJ	Ok
4	HSTDICC500	HSTDICC500	PS029559.D	27 Mar 2025 10:37		AR\AJ	Ok
5	HSTDICC750	HSTDICC750	PS029560.D	27 Mar 2025 11:01	Method Fail for comp#10 and 15	AR\AJ	Ok
6	HSTDICC1000	HSTDICC1000	PS029561.D	27 Mar 2025 11:25		AR\AJ	Ok
7	HSTDICC1500	HSTDICC1500	PS029562.D	27 Mar 2025 11:49		AR\AJ	Ok
8	HSTDICV750	ICVPS032825	PS029563.D	27 Mar 2025 12:25	Method Fail for comp#10 and 15	AR\AJ	Ok
9	I.BLK	I.BLK	PS029564.D	27 Mar 2025 12:49		AR\AJ	Ok
10	HSTDCCC750	HSTDCCC750	PS029565.D	27 Mar 2025 13:13		AR\AJ	Ok
11	Q1609-03	WC-SCRN-01-C	PS029566.D	27 Mar 2025 13:37		AR\AJ	Ok,M
12	Q1625-01	FRAC-TANK-A1291	PS029567.D	27 Mar 2025 14:01		AR\AJ	Ok
13	Q1632-02	PIER-1-2	PS029568.D	27 Mar 2025 14:25		AR\AJ	Ok
14	Q1630-01	VNJ-206	PS029569.D	27 Mar 2025 14:49		AR\AJ	Ok,M
15	Q1636-01	WC-1	PS029570.D	27 Mar 2025 15:13		AR\AJ	Ok,M
16	Q1636-05	WC-2	PS029571.D	27 Mar 2025 15:38		AR\AJ	Ok,M
17	Q1636-09	WC-3	PS029572.D	27 Mar 2025 16:02		AR\AJ	Ok
18	Q1636-13	WC-4	PS029573.D	27 Mar 2025 16:26		AR\AJ	Ok

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS032825

Review By	Abdul	Review On	3/28/2025 8:31:32 AM
Supervise By	mohammad	Supervise On	4/1/2025 1:29:30 AM
SubDirectory	PS032825	HP Acquire Method	HP Processing Method ps032825 8151
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24064,PP24065,PP24066,PP24067,PP24068		
CCC Internal Standard/PEM	PP24066		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24069,PP24070		

19	Q1636-17	WC-5	PS029574.D	27 Mar 2025 16:50		AR\AJ	Ok,M
20	I.BLK	I.BLK	PS029575.D	27 Mar 2025 17:14		AR\AJ	Ok,M
21	HSTDCCC750	HSTDCCC750	PS029576.D	27 Mar 2025 18:02		AR\AJ	Ok,M
22	Q1609-03MS	WC-SCRN-01-CMS	PS029577.D	27 Mar 2025 18:26	Comp#7 recovery fail	AR\AJ	Ok,M
23	Q1609-03MSD	WC-SCRN-01-CMSD	PS029578.D	27 Mar 2025 18:50		AR\AJ	Ok,M
24	Q1636-05MS	WC-2MS	PS029579.D	27 Mar 2025 19:14	Comp#6,10 recovery fail	AR\AJ	Ok,M
25	Q1636-05MSD	WC-2MSD	PS029580.D	27 Mar 2025 19:38	Comp#3,6,10 recovery fail	AR\AJ	Ok,M
26	Q1648-01	TP-4	PS029581.D	27 Mar 2025 20:02		AR\AJ	Ok
27	Q1648-03	TP-5	PS029582.D	27 Mar 2025 20:26		AR\AJ	Ok,M
28	Q1648-05	TP-3	PS029583.D	27 Mar 2025 20:50		AR\AJ	Ok,M
29	Q1648-07	TP-6	PS029584.D	27 Mar 2025 21:14		AR\AJ	Ok,M
30	Q1648-09	TP-7	PS029585.D	27 Mar 2025 21:38		AR\AJ	Ok,M
31	Q1648-11	TP-8	PS029586.D	27 Mar 2025 22:02		AR\AJ	Ok,M
32	I.BLK	I.BLK	PS029587.D	27 Mar 2025 22:26		AR\AJ	Ok,M
33	HSTDCCC750	HSTDCCC750	PS029588.D	27 Mar 2025 22:51	Comp#3,15 high in 1st column	AR\AJ	Ok,M
34	Q1648-13	TP-2	PS029589.D	27 Mar 2025 23:39		AR\AJ	Ok,M
35	Q1648-13MS	TP-2MS	PS029590.D	28 Mar 2025 00:03	some compound recovery fail	AR\AJ	Ok,M
36	Q1648-13MSD	TP-2MSD	PS029591.D	28 Mar 2025 00:27	some compound recovery fail	AR\AJ	Ok,M
37	Q1627-01	GRID-LINE-1.2-NORTH	PS029592.D	28 Mar 2025 00:51		AR\AJ	Ok,M

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS032825

Review By	Abdul	Review On	3/28/2025 8:31:32 AM
Supervise By	mohammad	Supervise On	4/1/2025 1:29:30 AM
SubDirectory	PS032825	HP Acquire Method	HP Processing Method ps032825 8151
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24064,PP24065,PP24066,PP24067,PP24068		
CCC	PP24066		
Internal Standard/PEM	PP24069,PP24070		
ICV/I.BLK			
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

38	Q1626-01	CO-32-1	PS029593.D	28 Mar 2025 01:15		AR\AJ	Ok,M
39	Q1626-01MS	CO-32-1MS	PS029594.D	28 Mar 2025 01:39	some compound recovery fail	AR\AJ	Ok,M
40	Q1626-01MSD	CO-32-1MSD	PS029595.D	28 Mar 2025 02:03	some compound recovery fail	AR\AJ	Ok,M
41	Q1626-03	CO-32-1	PS029596.D	28 Mar 2025 02:27		AR\AJ	Ok,M
42	PB167312BL	PB167312BL	PS029597.D	28 Mar 2025 02:51		AR\AJ	Ok,M
43	PB167233TB	PB167233TB	PS029598.D	28 Mar 2025 03:15		AR\AJ	Ok,M
44	I.BLK	I.BLK	PS029599.D	28 Mar 2025 03:39		AR\AJ	Ok,M
45	HSTDCCC750	HSTDCCC750	PS029600.D	28 Mar 2025 04:27	Comp#3,15 high in 1st column	AR\AJ	Ok,M
46	PB167312BS	PB167312BS	PS029601.D	28 Mar 2025 04:51		AR\AJ	Ok,M
47	PB167275TB	PB167275TB	PS029602.D	28 Mar 2025 05:15		AR\AJ	Ok,M
48	PB167293BL	PB167293BL	PS029603.D	28 Mar 2025 05:39		AR\AJ	Ok,M
49	PB167293BS	PB167293BS	PS029604.D	28 Mar 2025 06:03	2,4-DCAA high in both column , Almost all compound recovery fail	AR\AJ	Not Ok
50	Q1635-01	TP-2	PS029605.D	28 Mar 2025 06:27		AR\AJ	Ok,M
51	PB167322BL	PB167322BL	PS029606.D	28 Mar 2025 06:51		AR\AJ	Ok,M
52	PB167322BS	PB167322BS	PS029607.D	28 Mar 2025 07:15		AR\AJ	Ok,M
53	Q1642-01	PAT-1-032525	PS029608.D	28 Mar 2025 07:39		AR\AJ	Ok,M
54	Q1645-01	TP-4	PS029609.D	28 Mar 2025 08:03		AR\AJ	Ok,M
55	Q1645-05	TP-1	PS029610.D	28 Mar 2025 08:27		AR\AJ	Ok,M

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS032825

Review By	Abdul	Review On	3/28/2025 8:31:32 AM
Supervise By	mohammad	Supervise On	4/1/2025 1:29:30 AM
SubDirectory	PS032825	HP Acquire Method	HP Processing Method ps032825 8151

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	PP24064,PP24065,PP24066,PP24067,PP24068
CCC Internal Standard/PEM	PP24066
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24069,PP24070

56	I.BLK	I.BLK	PS029611.D	28 Mar 2025 08:51		AR\AJ	Ok,M
57	HSTDCCC750	HSTDCCC750	PS029612.D	28 Mar 2025 09:15	Comp#3,13,15 high in 1st column	AR\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS040225

Review By	Abdul	Review On	4/3/2025 9:25:38 AM
Supervise By	mohammad	Supervise On	4/4/2025 7:53:55 AM
SubDirectory	PS040225	HP Acquire Method	HP Processing Method ps040225 8151

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	PP24064,PP24065,PP24066,PP24067,PP24068
CCC Internal Standard/PEM	PP24066
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24069,PP24070

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PS029655.D	02 Apr 2025 16:20		AR\AJ	Ok
2	I.BLK	I.BLK	PS029656.D	02 Apr 2025 16:44		AR\AJ	Ok
3	HSTDICC200	HSTDICC200	PS029657.D	02 Apr 2025 17:32		AR\AJ	Ok
4	HSTDICC500	HSTDICC500	PS029658.D	02 Apr 2025 17:56		AR\AJ	Ok
5	HSTDICC750	HSTDICC750	PS029659.D	02 Apr 2025 18:44		AR\AJ	Ok,M
6	HSTDICC1000	HSTDICC1000	PS029660.D	02 Apr 2025 19:32		AR\AJ	Ok,M
7	HSTDICC1500	HSTDICC1500	PS029661.D	02 Apr 2025 20:44		AR\AJ	Ok,M
8	HSTDICV750	ICVPS040225	PS029662.D	02 Apr 2025 21:32		AR\AJ	Ok,M
9	I.BLK	I.BLK	PS029663.D	02 Apr 2025 21:56		AR\AJ	Ok

M : Manual Integration

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS040325

Review By	Abdul	Review On	4/3/2025 12:16:42 PM
Supervise By	mohammad	Supervise On	4/5/2025 3:48:57 AM
SubDirectory	PS040325	HP Acquire Method	HP Processing Method ps040225 8151

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	PP24064,PP24065,PP24066,PP24067,PP24068
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24066 PP24069,PP24070

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PS029664.D	03 Apr 2025 08:26		AR\AJ	Ok
2	I.BLK	I.BLK	PS029665.D	03 Apr 2025 08:50		AR\AJ	Ok
3	HSTDCCC750	HSTDCCC750	PS029666.D	03 Apr 2025 09:14		AR\AJ	Ok,M
4	PB167229BS	PB167229BS	PS029667.D	03 Apr 2025 09:48		AR\AJ	Not Ok
5	PB167229BSD	PB167229BSD	PS029668.D	03 Apr 2025 10:12	some comp RPD fail.	AR\AJ	Not Ok
6	PB167229BL	PB167229BL	PS029669.D	03 Apr 2025 10:36		AR\AJ	Not Ok
7	Q1502-17	PT-HERB-WP	PS029670.D	03 Apr 2025 11:06		AR\AJ	Ok,M
8	Q1672-01	TP-8	PS029671.D	03 Apr 2025 11:30		AR\AJ	Ok,M
9	I.BLK	I.BLK	PS029672.D	03 Apr 2025 12:08		AR\AJ	Ok
10	HSTDCCC750	HSTDCCC750	PS029673.D	03 Apr 2025 12:32		AR\AJ	Ok
11	PB167396BL	PB167396BL	PS029674.D	03 Apr 2025 13:18		AR\AJ	Ok,M
12	PB167396BS	PB167396BS	PS029675.D	03 Apr 2025 13:42		AR\AJ	Ok,M
13	Q1671-01	WC-1	PS029676.D	03 Apr 2025 14:06		AR\AJ	Ok,M
14	Q1671-01MS	WC-1MS	PS029677.D	03 Apr 2025 14:30	some compound recovery fail	AR\AJ	Ok,M
15	Q1671-01MSD	WC-1MSD	PS029678.D	03 Apr 2025 14:54	some compound recovery fail	AR\AJ	Ok,M
16	Q1674-01	RT5358	PS029679.D	03 Apr 2025 15:18		AR\AJ	Ok,M
17	Q1674-03	72-11991	PS029680.D	03 Apr 2025 15:42		AR\AJ	Ok,M
18	PB167293BS	PB167293BS	PS029681.D	03 Apr 2025 16:06		AR\AJ	Ok,M

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS040325

Review By	Abdul	Review On	4/3/2025 12:16:42 PM
Supervise By	mohammad	Supervise On	4/5/2025 3:48:57 AM
SubDirectory	PS040325	HP Acquire Method	HP Processing Method ps040225 8151
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24064,PP24065,PP24066,PP24067,PP24068		
CCC Internal Standard/PEM	PP24066		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24069,PP24070		

19	I.BLK	I.BLK	PS029682.D	03 Apr 2025 16:40		AR\AJ	Ok
20	HSTDCCC750	HSTDCCC750	PS029683.D	03 Apr 2025 17:59		AR\AJ	Ok,M
21	PB167433BL	PB167433BL	PS029684.D	03 Apr 2025 18:23	END CCC Fail	AR\AJ	Not Ok
22	PB167433BS	PB167433BS	PS029685.D	03 Apr 2025 18:47	END CCC Fail	AR\AJ	Not Ok
23	Q1679-01	TP-10	PS029686.D	03 Apr 2025 19:11	END CCC Fail	AR\AJ	Not Ok
24	Q1679-05	TP-9	PS029687.D	03 Apr 2025 19:35	END CCC Fail	AR\AJ	Not Ok
25	Q1680-01	TP-4	PS029688.D	03 Apr 2025 19:59	END CCC Fail	AR\AJ	Not Ok
26	Q1681-01	TP-12	PS029689.D	03 Apr 2025 20:23	END CCC Fail	AR\AJ	Not Ok
27	Q1681-01MS	TP-12MS	PS029690.D	03 Apr 2025 20:48	END CCC Fail , 2-4-DCAA High in 1st column , Comp#6,10 recovery fail	AR\AJ	Not Ok
28	Q1681-01MSD	TP-12MSD	PS029691.D	03 Apr 2025 21:12	END CCC Fail , 2-4-DCAA High in 1st column , Comp#6,10 recovery fail , RPD Fail	AR\AJ	Not Ok
29	I.BLK	I.BLK	PS029692.D	03 Apr 2025 21:36		AR\AJ	Ok
30	HSTDCCC750	HSTDCCC750	PS029693.D	03 Apr 2025 22:00	Comp#2,3,4,6,7,8,9,10,11,12,14, 15,16 recovery high in 1st column Comp#5,7,8,9,10,11,12,14,16 recovery high in 2nd column	AR\AJ	Not Ok
31	Q1693-01	WCS-TP-3	PS029694.D	03 Apr 2025 22:48	Opening and End CCC fail	AR\AJ	Not Ok
32	Q1693-05	WCS-TP-2	PS029695.D	03 Apr 2025 23:12	Opening and End CCC fail	AR\AJ	Not Ok
33	Q1693-09	WCS-TP-1	PS029696.D	03 Apr 2025 23:36	Opening and End CCC fail	AR\AJ	Not Ok
34	Q1694-01	TP-18	PS029697.D	04 Apr 2025 00:00	Opening and End CCC fail	AR\AJ	Not Ok

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS040325

Review By	Abdul	Review On	4/3/2025 12:16:42 PM
Supervise By	mohammad	Supervise On	4/5/2025 3:48:57 AM
SubDirectory	PS040325	HP Acquire Method	HP Processing Method ps040225 8151
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24064,PP24065,PP24066,PP24067,PP24068		
CCC	PP24066		
Internal Standard/PEM	PP24069,PP24070		
ICV/I.BLK			
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

35	Q1695-01	TT-2	PS029698.D	04 Apr 2025 00:24	Opening and End CCC fail	AR\AJ	Not Ok
36	Q1695-05	TT-3	PS029699.D	04 Apr 2025 00:48	Opening and End CCC fail	AR\AJ	Not Ok
37	I.BLK	I.BLK	PS029700.D	04 Apr 2025 01:12		AR\AJ	Ok
38	HSTDCCC750	HSTDCCC750	PS029701.D	04 Apr 2025 01:36	Comp#2,3,4,6,7,8,9,10,11,12,14, 15,16 recovery high in 1st column Comp# 2 to 14 recovery high in 2nd column	AR\AJ	Not Ok

M : Manual Integration



PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 3/25/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:00
In Date: 03/24/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:11
Out Date: 03/25/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB135155

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Dish + Sample Wt(g) (B)	Dish+Dry Sample Wt(g) (C)	% Solid	Comments
Q1623-05	SVOC-GPC-BLANK	1	1.00	1.00	2.00	2.00	100.0	
Q1623-06	PEST-GPC-BLANK	2	1.00	1.00	2.00	2.00	100.0	
Q1623-07	PEST-GPC-BLANK-SPIKE	3	1.00	1.00	2.00	2.00	100.0	
Q1623-08	PCB-GPC-BLANK	4	1.00	1.00	2.00	2.00	100.0	
Q1623-09	PCB-GPC-BLANK-SPIKE	5	1.00	1.00	2.00	2.00	100.0	
Q1623-10	SVOC-GPC2-BLANK	6	1.00	1.00	2.00	2.00	100.0	
Q1623-11	PEST-GPC2-BLANK	7	1.00	1.00	2.00	2.00	100.0	
Q1623-12	PEST-GPC2-BLANK-SPIKE	8	1.00	1.00	2.00	2.00	100.0	
Q1623-13	PCB-GPC2-BLANK	9	1.00	1.00	2.00	2.00	100.0	
Q1623-14	PCB-GPC2-BLANK-SPIKE	10	1.00	1.00	2.00	2.00	100.0	
Q1626-01	CO-32-1	11	1.14	10.23	11.37	10.84	94.8	
Q1630-01	VNJ-206	12	1.15	10.39	11.54	10.26	87.7	
Q1631-01	364	13	1.00	1.00	2.00	2.00	100.0	CONCRETE sample
Q1631-04	359	14	1.00	1.00	2.00	2.00	100.0	CONCRETE sample
Q1632-01	PIER-1-2	15	1.17	10.40	11.57	11.09	95.4	
Q1633-01	SLG	16	1.15	10.50	11.65	4.7	33.8	sludge sample
Q1634-01	HR-01-032425	17	1.16	9.45	10.61	9.77	91.1	
Q1634-02	HR-01-032425-E2	18	1.13	10.66	11.79	10.75	90.2	
Q1634-03	HR-04-032425	19	1.13	10.84	11.97	11.04	91.4	
Q1634-04	HR-04-032425-E2	20	1.12	10.69	11.81	10.82	90.7	
Q1635-01	TP-2	21	1.19	10.15	11.34	10.26	89.4	
Q1635-02	TP-2-EPH	22	1.17	10.23	11.4	10.29	89.1	
Q1635-03	TP-2-VOC	23	1.15	12.12	13.27	11.88	88.5	

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

133555

WorkList Name : %1-032425

WorkList ID : 188470

Department : Wet-Chemistry

Date : 03-24-2025 08:43:57

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1623-05	SVOC-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	F11	03/21/2025	Chemtech -SO
Q1623-06	PEST-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	F11	03/21/2025	Chemtech -SO
Q1623-07	PEST-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	F11	03/21/2025	Chemtech -SO
Q1623-08	PCB-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	F11	03/21/2025	Chemtech -SO
Q1623-09	PCB-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	F11	03/21/2025	Chemtech -SO
Q1623-10	SVOC-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	F11	03/21/2025	Chemtech -SO
Q1623-11	PEST-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	F11	03/21/2025	Chemtech -SO
Q1623-12	PEST-GPC2-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	F11	03/21/2025	Chemtech -SO
Q1623-13	PCB-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	F11	03/21/2025	Chemtech -SO
Q1623-14	PCB-GPC2-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	F11	03/21/2025	Chemtech -SO
Q1626-01	CO-32-1	Solid	Percent Solids	Cool 4 deg C	CHEM02	F11	03/21/2025	Chemtech -SO
Q1630-01	VNJ-206	Solid	Percent Solids	Cool 4 deg C	WALS01	F11	03/21/2025	Chemtech -SO
Q1631-01	364	Solid	Percent Solids	Cool 4 deg C	PSEG03	H31	03/24/2025	Chemtech -SO
Q1631-04	359	Solid	Percent Solids	Cool 4 deg C	PSEG03	I41	03/24/2025	Chemtech -SO
Q1632-01	PIER-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	I41	03/24/2025	Chemtech -SO
Q1633-01	SLG	Solid	Percent Solids	Cool 4 deg C	PSEG03	I41	03/24/2025	Chemtech -SO
Q1634-01	HR-01-032425	Solid	Percent Solids	Cool 4 deg C	PSEG03	I31	03/24/2025	Chemtech -SO
Q1634-02	HR-01-032425-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	I31	03/24/2025	Chemtech -SO
Q1634-03	HR-04-032425	Solid	Percent Solids	Cool 4 deg C	PSEG05	I31	03/24/2025	Chemtech -SO
Q1634-04	HR-04-032425-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	I31	03/24/2025	Chemtech -SO
Q1635-01	TP-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	I41	03/24/2025	Chemtech -SO

Date/Time 03/24/25 13130

Raw Sample Received by: yd w/c

Raw Sample Relinquished by: CP

Date/Time 03/24/25

Raw Sample Received by: CP

Raw Sample Relinquished by: yd w/c

WORKLIST(Hardcopy Internal Chain)

WorkList Name : %1-032425

WorkList ID : 188470

Department : Wet-Chemistry

Date : 03-24-2025 08:43:57

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1635-02	TP-2-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	I41	03/24/2025	Chemtech -SO
Q1635-03	TP-2-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	I41	03/24/2025	Chemtech -SO

Date/Time 03/24/25 15:30
 Raw Sample Received by: sd woc
 Raw Sample Relinquished by: af sm

Date/Time 03/24/25 17:10
 Raw Sample Received by: af sm
 Raw Sample Relinquished by: sd woc

SOP ID: M8151A-Herbicide-22

Clean Up SOP #: N/A

Matrix : Solid

Weigh By: EH

Balance check: RJ

Balance ID: EX-SC-2

pH Strip Lot#: E3880

Extraction By: RJ

Filter By: RJ

pH Meter ID: N/A

Hood ID: 3,4,7

Extraction Start Date : 03/25/2025

Extraction Start Time : 08:40

Extraction End Date : 03/25/2025

Extraction End Time : 16:15

Concentration By: EH

Supervisor By : rajesh

Extraction Method: ☐ Separatory Funnel ☐ Continuous Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☒ Soxhlet

Standard Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	5/500 PPM	PP24218
Surrogate	1.0ML	5000 PPB	PP24196
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
MeCl2/Acetone/1:1	N/A	EP2591
Acidified Na2SO4	N/A	EP2576
Sand	N/A	E2865
HCL	N/A	M6151
DI WATER	N/A	N/A
37% KOH	N/A	EP2594
Methylene Chloride	N/A	E3904
1:3 SULPHURIC ACID	N/A	EP2587
Ether	N/A	E3881
ISO OCTANE	N/A	E3554
METHANOL	N/A	V14150
Diazomethane	N/A	EP2588
Hexane	N/A	E3877
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

pH adjusted with HCL <2 for soil Extraction, PH adjusted with 1:3 H2SO4 <2 after Hydrolysis, Derivatization procedure is completed and samples are ready to Analyze, 40ML Vial Lot # 03-40 BTS721.

KD Bath ID: N/A

KD Bath Temperature: N/A

Envap ID: NEVAP-02

Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
03/25/25	RP (Ext. Lab)	Y-Pest/NCB
16:20	Preparation Group	Analysis Group

Analytical Method: M8151A-Herbicide-22

Concentration Date: 03/25/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB167293BL	HBLK293	Herbicide	30.02	N/A	ritesh	Evelyn	10			U2-1
PB167293BS	HLCS293	Herbicide	30.01	N/A	ritesh	Evelyn	10			2
Q1626-01	CO-32-1	Herbicide	30.05	N/A	ritesh	Evelyn	10	E		3
Q1626-01MS	CO-32-1MS	Herbicide	30.06	N/A	ritesh	Evelyn	10	E		4
Q1626-01MS D	CO-32-1MSD	Herbicide	30.04	N/A	ritesh	Evelyn	10	E		5
Q1630-01	VNJ-206	Herbicide	30.05	N/A	ritesh	Evelyn	10	E		6
Q1635-01	TP-2	Herbicide	30.08	N/A	ritesh	Evelyn	10	E		U3-1

* Extracts relinquished on the same date as received.

2
3/25/25

167293
06/11/20

WORKLIST(Hardcopy Internal Chain)

Worklist Name : Q1630H Worklist ID : 188514 Department : Extraction Date : 03-25-2025 08:27:29

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1626-01	CO-32-1	Solid	Herbicide	Cool 4 deg C	WALS01	F11	03/21/2025	8151A
Q1630-01	VNJ-206	Solid	Herbicide	Cool 4 deg C	PSEG03	H31	03/24/2025	8151A
Q1635-01	TP-2	Solid	Herbicide	Cool 4 deg C	PSEG03	I41	03/24/2025	8151A

Date/Time 03/25/24 8:35
Raw Sample Received by: RJ Perley
Raw Sample Relinquished by: AD Sw

Date/Time 03/27/24 9:00
Raw Sample Received by: AD Sw
Raw Sample Relinquished by: AD Perley

Prep Standard - Chemical Standard Summary

Order ID : Q1626

Test : Herbicide

Prepbatch ID : PB167293

Sequence ID/Qc Batch ID: PS032725,ps032825,ps040325,PS032725,PS032825,PS040225

Standard ID :

EP2576,EP2591,PP24061,PP24062,PP24064,PP24065,PP24066,PP24067,PP24068,PP24069,PP24070,PP24196,PP24218,

Chemical ID :

E2865,E3370,E3551,E3826,E3873,E3876,E3878,M5173,M6151,P10549,P11180,P11181,P12619,P12629,P12686,P12708,P12709,P13510,P13511,P13512,P13513,P13529,P13530,P13531,

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922



<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1321	2/200 PPM Herb Mega Mix	PP24061	11/26/2024	05/09/2025	Ankita Jodhani	None	None	Yogesh Patel
<u>FROM</u> 0.20000ml of P10549 + 1.00000ml of P11180 + 1.00000ml of P12619 + 1.00000ml of P12629 + 1.00000ml of P12686 + 95.80000ml of E3826 = Final Quantity: 100.000 ml								

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1851	2/200 PPM Herb Mega Mix 2nd Source	PP24062	11/26/2024	05/09/2025	Ankita Jodhani	None	None	Yogesh Patel 11/27/2024
<u>FROM</u>	1.00000ml of P11181 + 1.00000ml of P12708 + 1.00000ml of P12709 + 97.00000ml of E3826 = Final Quantity: 100.000 ml							

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1452	1500 PPB HERB MIX STD	PP24064	11/26/2024	05/09/2025	Ankita Jodhani	None	None	Yogesh Patel
								11/27/2024

FROM 0.25000ml of E3826 + 0.75000ml of PP24061 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1453	1000 PPB Herb MIX STD	PP24065	11/26/2024	05/09/2025	Ankita Jodhani	None	None	Yogesh Patel
								11/27/2024

FROM 0.50000ml of E3826 + 0.50000ml of PP24061 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1454	750 PPB Herb MIX STD	PP24066	11/26/2024	05/09/2025	Ankita Jodhani	None	None	Yogesh Patel
								11/27/2024

FROM 0.25000ml of E3826 + 0.75000ml of PP24065 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1455	500 PPB Herb MIX STD	PP24067	11/26/2024	05/09/2025	Ankita Jodhani	None	None	Yogesh Patel
								11/27/2024

FROM 0.75000ml of E3826 + 0.25000ml of PP24061 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1456	200 PPB Herb MIX STD	PP24068	11/26/2024	05/09/2025	Ankita Jodhani	None	None	Yogesh Patel
								11/27/2024

FROM 0.90000ml of E3826 + 0.10000ml of PP24061 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1854	1000 PPB HERB MIX ICV STD	PP24069	11/26/2024	05/09/2025	Ankita Jodhani	None	None	Yogesh Patel
								11/27/2024

FROM 0.50000ml of E3826 + 0.50000ml of PP24062 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1691	750 PPB ICV HERB STD	PP24070	11/26/2024	05/09/2025	Ankita Jodhani	None	None	Yogesh Patel
								11/27/2024

FROM 0.25000ml of E3826 + 0.75000ml of PP24069 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
60	5000 PPB Herbicide Surg Spike (Free Acid)	PP24196	02/18/2025	07/29/2025	Abdul Mirza	None	None	Ankita Jodhani
								02/21/2025

FROM 1.25000ml of P13510 + 1.25000ml of P13511 + 1.25000ml of P13512 + 1.25000ml of P13513 + 195.00000ml of E3873 = Final Quantity: 200.000 ml



<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1848	5000/500000 PPB Herbicide Spike (Free Acid)	PP24218	03/05/2025	08/25/2025	Abdul Mirza	None	None	Yogesh Patel
<u>FROM</u> 0.50000ml of P13531 + 1.00000ml of P13529 + 1.00000ml of P13530 + 47.50000ml of E3876 = Final Quantity: 50.000 ml								

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-3382-05 / Sand, Purified (cs/4x2.5kg)	0000243821	06/30/2025	04/30/2020 / RAJESH	04/28/2020 / RAJESH	E2865

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9244-03 / Ether, Anhydrous, Purified (cs/4x4L)	0000288039	07/17/2025	08/01/2022 / Rajesh	07/13/2022 / Rajesh	E3370

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	PC19631-100 / SODIUM SULFATE, ANHYDROUS, PEST GRADE, 1	313201	12/04/2025	01/03/2024 / Rajesh	07/20/2023 / Rajesh	E3551

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	24G1962003	05/09/2025	11/09/2024 / Rajesh	11/07/2024 / Rajesh	E3826

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H2762008	07/29/2025	01/29/2025 / Rajesh	01/29/2025 / Rajesh	E3873

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H2762008	08/25/2025	02/25/2025 /	02/12/2025 / Rajesh	E3876

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	24K1762005	08/14/2025	02/14/2025 / Rajesh	12/27/2024 / Rajesh	E3878

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9673-33 / Sulfuric Acid, Instra-Analyzed (cs/6c2.5L)	0000281827	06/02/2025	06/01/2022 /	04/05/2022 / william	M5173

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9530-33 / Hydrochloric Acid, Instra-Analyzed (cs/6x2.5L)	22G2862015	02/17/2026	02/18/2025 / Sagar	01/15/2025 / Sagar	M6151

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32254 / Dalapon Methyl Ester, 1000 ug/ml	A0170243	05/26/2025	11/26/2024 / Ankita	04/06/2021 / dhaval	P10549

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32050 / Herbicide, 8000 series, 515 Surrogate [ester] 2,4-dichlorophenyl acetic acid methyl ester, 1mL, 200ug/mL, Hexane	A0172864	05/26/2025	11/26/2024 / Ankita	11/01/2021 / Abdul	P11180

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32050 / Herbicide, 8000 series, 515 Surrogate [ester] 2,4-dichlorophenyl acetic acid methyl ester, 1mL, 200ug/mL, Hexane	A0172864	05/26/2025	11/26/2024 / Ankita	11/01/2021 / Abdul	P11181

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32062 / Herbicide Mix, 500/8000, Standard #4 [methyl ester] 200ug/mL, hexane, 1mL/ampul	A0155055	05/26/2025	11/26/2024 / Ankita	07/03/2023 / Abdul	P12619

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32055 / Herbicide Mix, 500/8000, Standard #1 [methyl ester] 200ug/mL, hexane, 1mL/ampul	A192429	05/26/2025	11/26/2024 / Ankita	07/03/2023 / Abdul	P12629

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32059 / Herbicide Mix#3 (Methyl Ester), 20000 ug/ml	A0199844	05/26/2025	11/26/2024 / Ankita	07/24/2023 / Abdul	P12686

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agilent Technologies	HBM-8151M / Chlorinated Herbicide Mixtures, Methyl Esters	0006752480	05/26/2025	11/26/2024 / Ankita	08/09/2023 / Abdul	P12708

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agilent Technologies	HBM-8151M / Chlorinated Herbicide Mixtures, Methyl Esters	0006752480	05/26/2025	11/26/2024 / Ankita	08/09/2023 / Abdul	P12708

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agilent Technologies	HBM-8151M / Chlorinated Herbicide Mixtures, Methyl Esters	0006752480	05/26/2025	11/26/2024 / Ankita	08/09/2023 / Abdul	P12709

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agilent Technologies	HBM-8151M / Chlorinated Herbicide Mixtures, Methyl Esters	0006752480	05/26/2025	11/26/2024 / Ankita	08/09/2023 / Abdul	P12709

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32049 / Herbicide, 8000 series, 515 Surrogate [free acid] 2,4-dichlorophenyl acetic acid, 1mL, 200ug/mL, MeOH	A0212676	08/18/2025	02/18/2025 / Abdul	08/16/2024 / yogesh	P13510

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32049 / Herbicide, 8000 series, 515 Surrogate [free acid] 2,4-dichlorophenyl acetic acid, 1mL, 200ug/mL, MeOH	A0212676	08/18/2025	02/18/2025 / Abdul	08/16/2024 / yogesh	P13511

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32049 / Herbicide, 8000 series, 515 Surrogate [free acid] 2,4-dichlorophenyl acetic acid, 1mL, 200ug/mL, MeOH	A0212676	08/18/2025	02/18/2025 / Abdul	08/16/2024 / yogesh	P13512

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32049 / Herbicide, 8000 series, 515 Surrogate [free acid] 2,4-dichlorophenyl acetic acid, 1mL, 200ug/mL, MeOH	A0212676	08/18/2025	02/18/2025 / Abdul	08/16/2024 / yogesh	P13513

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agilent Technologies	HBM-8151A / Chlorinated Herbicide Mixtures, Free Acids	0006810955	09/05/2025	03/05/2025 / Abdul	09/03/2024 / Abdul	P13529

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agilent Technologies	HBM-8151A / Chlorinated Herbicide Mixtures, Free Acids	0006810955	09/05/2025	03/05/2025 / Abdul	09/03/2024 / Abdul	P13529

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agilent Technologies	HBM-8151A / Chlorinated Herbicide Mixtures, Free Acids	0006810955	09/05/2025	03/05/2025 / Abdul	09/03/2024 / Abdul	P13530

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agilent Technologies	HBM-8151A / Chlorinated Herbicide Mixtures, Free Acids	0006810955	09/05/2025	03/05/2025 / Abdul	09/03/2024 / Abdul	P13530

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agilent Technologies	HBM-8151A / Chlorinated Herbicide Mixtures, Free Acids	0006810955	09/05/2025	03/05/2025 / Abdul	09/03/2024 / Abdul	P13531

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agilent Technologies	HBM-8151A / Chlorinated Herbicide Mixtures, Free Acids	0006810955	09/05/2025	03/05/2025 / Abdul	09/03/2024 / Abdul	P13531

Sand
Purified
Washed and Ignited



Material No.: 3382-05
Batch No.: 0000243821
Manufactured Date: 2018/04/09
Retest Date: 2025/04/07
Revision No: 1

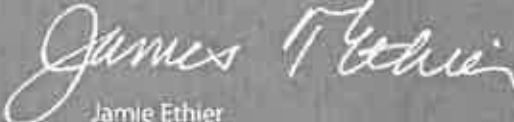
Certificate of Analysis

Test	Specification	Result
Substances Soluble in HCl	$\leq 0.16\%$	0.01

For Laboratory, Research or Manufacturing Use
Meets Reagent Specifications for testing USP/NF monographs

Country of Origin: US
Packaging Site: Paris Mfg Ctr & DC

E 2865


Jamie Ethier
Vice President Global Quality

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials, LLC
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone: 610.386.1700

Ether, Anhydrous
BAKER ANALYZED® A.C.S. Reagent
Contains BHT as a Preservative
Suitable for Fat Extraction



Material No.: 9244-03
Batch No.: 0000288039
Manufactured Date: 2021/07/22
Expiration Date: 2023/07/22
Revision No: 1

Certificate of Analysis

Meets ACS Reagent Chemical Requirements,

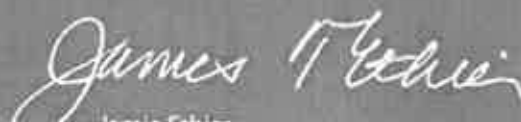
Test	Specification	Result
Assay ((C ₂ H ₅) ₂ O) (by GC, corrected for water)	>= 99.0 %	100.0
Alcohol (C ₂ H ₅ OH)	Passes Test	PT
Carbonyl Compounds (as HCHO) (by polarography)	<= 0.001 %	< 0.001
Color (APHA)	<= 10	< 5
Peroxide (as H ₂ O ₂)	<= 1 ppm	< 1
Preservative (BHT)	>= 7 ppm	9
Residue after Evaporation	<= 0.0010 %	< 0.0010
Titration Acid (μeq/g)	<= 0.2	< 0.2
Water (by KF, coulometric)	<= 0.01 %	0.01

For Laboratory, Research or Manufacturing Use
Meets Reagent Specifications for testing USP/NF monographs

Country of Origin: US

Recd. by RP on 7/13/22

E 3370


Jamie Ethier
Vice President Global Quality

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials, LLC

100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone: 610.386.1700



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MONTERREY, N.L. MEXICO
CP 64070
TEL +52 81 13 52 57 57
www.pqm.com.mx

CERTIFICATE OF ANALYSIS

PRODUCT :	SODIUM SULFATE CRYSTALS ANHYDROUS		
QUALITY :	ACS (CODE RMB3375)	FORMULA :	Na ₂ SO ₄
SPECIFICATION NUMBER :	6399	RELEASE DATE:	ABR/21/2023
LOT NUMBER :	313201		

TEST	SPECIFICATIONS	LOT VALUES
Assay (Na ₂ SO ₄)	Min. 99.0%	99.7 %
pH of a 5% solution at 25°C	5.2 - 9.2	6.1
Insoluble matter	Max. 0.01%	0.005 %
Loss on ignition	Max. 0.5%	0.1 %
Chloride (Cl)	Max. 0.001%	<0.001 %
Nitrogen compounds (as N)	Max. 5 ppm	<5 ppm
Phosphate (PO ₄)	Max. 0.001%	<0.001 %
Heavy metals (as Pb)	Max. 5 ppm	<5 ppm
Iron (Fe)	Max. 0.001%	<0.001 %
Calcium (Ca)	Max. 0.01%	0.002 %
Magnesium (Mg)	Max. 0.005%	0.001 %
Potassium (K)	Max. 0.008%	0.003 %
Extraction-concentration suitability	Passes test	Passes test
Appearance	Passes test	Passes test
Identification	Passes test	Passes test
Solubility and foreign matter	Passes test	Passes test
Retained on US Standard No. 10 sieve	Max. 1%	0.1 %
Retained on US Standard No. 60 sieve	Min. 94%	97.3 %
Through US Standard No. 60 sieve	Max. 5%	2.5 %
Through US Standard No. 100 sieve	Max. 10%	0.1 %

COMMENTS

QC: PhC Irma Belmares

If you need further details, please call our factory or contact our local distributor.

Recd. by R3 on 7/24/23 **E 3551**

RC-02-01, Ed. 3

n-Hexane 95%
ULTRA RESI-ANALYZED
For Organic Residue Analysis



Material No.: 9262-03
Batch No.: 24G1962003
Manufactured Date: 2024-05-23
Expiration Date: 2025-08-22
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	3
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	1
ECD-Sensitive Impurities (as Ethylene Dibromide) - Single Impurity Peak (ng/mL)	≤ 5	1
Assay (Total Saturated C ₆ Isomers) (by GC, corrected for water)	$\geq 99.5 \%$	99.7 %
Assay (as n-Hexane) (by GC, corrected for water)	$\geq 95 \%$	98 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.1 ppm
Substances Darkened by H ₂ SO ₄	Passes Test	Passes Test
Water (by KF, coulometric)	$\leq 0.05 \%$	< 0.01 %

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

E 3826

Rec'd by RP on 11/7/24

Jamie Croak
Director Quality Operations, Bioscience Production

Acetone

BAKER RESI-ANALYZED® Reagent

For Organic Residue Analysis

avantor™



Material No.: 9254-03

Batch No.: 24H2762008

Manufactured Date: 2024-04-18

Expiration Date: 2027-04-18

Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ((CH ₃) ₂ CO) (by GC, corrected for water)	>= 99.4 %	100.0 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.0 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titration Acid (μeq/g)	<= 0.3	0.2
Titration Base (μeq/g)	<= 0.6	<0.1
Water (H ₂ O)	<= 0.5 %	<0.1 %
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	<= 5	1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory, Research, or Manufacturing Use

MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States

Packaging Site: Phillipsburg Mfg Ctr & DC

Recd. by RP on 1/29/25

E 3873

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials LLC

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)



Material No.: 9266-A4
Batch No.: 24K1762005
Manufactured Date: 2024-10-08
Expiration Date: 2026-01-07
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	≤ 10	2
Assay (CH_2Cl_2) (by GC, exclusive of preservative, corrected for water)	$\geq 99.8 \%$	100.0 %
Color (APHA)	≤ 10	5
Residue after Evaporation	$\leq 1.0 \text{ ppm}$	0.5 ppm
Titration Acid ($\mu\text{eq/g}$)	≤ 0.3	0.0
Chloride (Cl)	$\leq 10 \text{ ppm}$	$< 5 \text{ ppm}$
Water (by KF, coulometric)	$\leq 0.02 \%$	0.01 %

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E 3878

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials, LLC

100 Matsonford Rd, Suite 200, Radnor, PA, 19087 U.S.A. Phone 610.386.1700

Hydrochloric Acid, 36.5–38.0%
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis



Material No.: 9530-33
Batch No.: 0000281827
Manufactured Date: 2021/03/30
Retest Date: 2026/03/29
Revision No: 1

Certificate of Analysis

Test	Specification	Result
ACS – Assay (as HCl) (by acid–base titrn)	36.5 – 38.0 %	37.6
ACS – Color (APHA)	<= 10	5
ACS – Residue after Ignition	<= 3 ppm	1
ACS – Specific Gravity at 60°/60°F	1.185 – 1.192	1.189
ACS – Bromide (Br)	<= 0.005 %	< 0.005
ACS – Extractable Organic Substances	<= 5 ppm	< 1
ACS – Free Chlorine (as Cl ₂)	<= 0.5 ppm	< 0.5
Phosphate (PO ₄)	<= 0.05 ppm	< 0.03
Sulfate (SO ₄)	<= 0.5 ppm	< 0.3
Sulfite (SO ₃)	<= 0.8 ppm	0.3
Ammonium (NH ₄)	<= 3 ppm	< 1
Trace Impurities – Arsenic (As)	<= 0.010 ppm	< 0.003
Trace Impurities – Aluminum (Al)	<= 10.0 ppb	0.5
Arsenic and Antimony (as As)	<= 5 ppb	< 3
Trace Impurities – Barium (Ba)	<= 1.0 ppb	< 0.2
Trace Impurities – Beryllium (Be)	<= 1.0 ppb	< 0.2
Trace Impurities – Bismuth (Bi)	<= 10.0 ppb	< 1.0
Trace Impurities – Boron (B)	<= 20.0 ppb	< 5.0
Trace Impurities – Cadmium (Cd)	<= 1.0 ppb	< 0.3
Trace Impurities – Calcium (Ca)	<= 50.0 ppb	15.0
Trace Impurities – Chromium (Cr)	<= 1.0 ppb	< 0.4
Trace Impurities – Cobalt (Co)	<= 1.0 ppb	< 0.3
Trace Impurities – Copper (Cu)	<= 1.0 ppb	< 0.1
Trace Impurities – Gallium (Ga)	<= 1.0 ppb	< 0.2

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials, LLC
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone: 610.386.1700

Test	Specification	Result
Trace Impurities – Germanium (Ge)	<= 3.0 ppb	< 2.0
Trace Impurities – Gold (Au)	<= 4.0 ppb	3.0
Heavy Metals (as Pb)	<= 100 ppb	< 50
Trace Impurities – Iron (Fe)	<= 15.0 ppb	1.0
Trace Impurities – Lead (Pb)	<= 1.0 ppb	< 0.5
Trace Impurities – Lithium (Li)	<= 1.0 ppb	< 0.2
Trace Impurities – Magnesium (Mg)	<= 10.0 ppb	< 0.4
Trace Impurities – Manganese (Mn)	<= 1.0 ppb	< 0.4
Trace Impurities – Mercury (Hg)	<= 0.5 ppb	0.2
Trace Impurities – Molybdenum (Mo)	<= 10.0 ppb	< 5.0
Trace Impurities – Nickel (Ni)	<= 4.0 ppb	< 0.3
Trace Impurities – Niobium (Nb)	<= 1.0 ppb	< 0.2
Trace Impurities – Potassium (K)	<= 9.0 ppb	< 2.0
Trace Impurities – Selenium (Se), For Information Only	ppb	1.0
Trace Impurities – Silicon (Si)	<= 100.0 ppb	18.0
Trace Impurities – Silver (Ag)	<= 1.0 ppb	< 0.3
Trace Impurities – Sodium (Na)	<= 100.0 ppb	< 5.0
Trace Impurities – Strontium (Sr)	<= 1.0 ppb	< 0.2
Trace Impurities – Tantalum (Ta)	<= 1.0 ppb	< 0.9
Trace Impurities – Thallium (Tl)	<= 5.0 ppb	< 2.0
Trace Impurities – Tin (Sn)	<= 5.0 ppb	< 0.8
Trace Impurities – Titanium (Ti)	<= 1.0 ppb	< 0.2
Trace Impurities – Vanadium (V)	<= 1.0 ppb	< 0.2
Trace Impurities – Zinc (Zn)	<= 5.0 ppb	0.4
Trace Impurities – Zirconium (Zr)	<= 1.0 ppb	< 0.1

For Laboratory, Research or Manufacturing Use

Product Information (not specifications):

Appearance (clear, fuming liquid)

Meets ACS Specifications

Country of Origin: US

Packaging Site: Phillipsburg Mfg Ctr & DC


Jamie Ethier
Vice President Global Quality

Hydrochloric Acid, 36.5–38.0%
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis

 **avantor™**



M6151

R → 11/15/25

Material No.: 9530-33
Batch No.: 22G2862015
Manufactured Date: 2022-06-15
Retest Date: 2027-06-14
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
ACS – Assay (as HCl) (by acid–base titrn)	36.5 – 38.0 %	37.9 %
ACS – Color (APHA)	≤ 10	5
ACS – Residue after Ignition	≤ 3 ppm	< 1 ppm
ACS – Specific Gravity at 60°/60°F	1.185 – 1.192	1.191
ACS – Bromide (Br)	≤ 0.005 %	< 0.005 %
ACS – Extractable Organic Substances	≤ 5 ppm	< 1 ppm
ACS – Free Chlorine (as Cl ₂)	≤ 0.5 ppm	< 0.5 ppm
Phosphate (PO ₄)	≤ 0.05 ppm	< 0.03 ppm
Sulfate (SO ₄)	≤ 0.5 ppm	< 0.3 ppm
Sulfite (SO ₃)	≤ 0.8 ppm	0.3 ppm
Ammonium (NH ₄)	≤ 3 ppm	< 1 ppm
Trace Impurities – Arsenic (As)	≤ 0.010 ppm	< 0.003 ppm
Trace Impurities – Aluminum (Al)	≤ 10.0 ppb	1.3 ppb
Arsenic and Antimony (as As)	≤ 5.0 ppb	< 3.0 ppb
Trace Impurities – Barium (Ba)	≤ 1.0 ppb	0.2 ppb
Trace Impurities – Beryllium (Be)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities – Bismuth (Bi)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Boron (B)	≤ 20.0 ppb	< 5.0 ppb
Trace Impurities – Cadmium (Cd)	≤ 1.0 ppb	< 0.3 ppb
Trace Impurities – Calcium (Ca)	≤ 50.0 ppb	163.0 ppb
Trace Impurities – Chromium (Cr)	≤ 1.0 ppb	0.7 ppb
Trace Impurities – Cobalt (Co)	≤ 1.0 ppb	< 0.3 ppb
Trace Impurities – Copper (Cu)	≤ 1.0 ppb	< 0.1 ppb
Trace Impurities – Gallium (Ga)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities – Germanium (Ge)	≤ 3.0 ppb	< 2.0 ppb
Trace Impurities – Gold (Au)	≤ 4.0 ppb	0.6 ppb
Heavy Metals (as Pb)	≤ 100 ppb	< 50 ppb
Trace Impurities – Iron (Fe)	≤ 15 ppb	6 ppb

>>> Continued on page 2 >>>

Hydrochloric Acid, 36.5–38.0%
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis

 **avantorsm**



Material No.: 9530-33
Batch No.: 22G2862015

Test	Specification	Result
Trace Impurities – Lead (Pb)	≤ 1.0 ppb	< 0.5 ppb
Trace Impurities – Lithium (Li)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities – Magnesium (Mg)	≤ 10.0 ppb	2.9 ppb
Trace Impurities – Manganese (Mn)	≤ 1.0 ppb	< 0.4 ppb
Trace Impurities – Mercury (Hg)	≤ 0.5 ppb	0.1 ppb
Trace Impurities – Molybdenum (Mo)	≤ 10.0 ppb	< 3.0 ppb
Trace Impurities – Nickel (Ni)	≤ 4.0 ppb	< 0.3 ppb
Trace Impurities – Niobium (Nb)	≤ 1.0 ppb	0.8 ppb
Trace Impurities – Potassium (K)	≤ 9.0 ppb	< 2.0 ppb
Trace Impurities – Selenium (Se), For Information Only		< 1.0 ppb
Trace Impurities – Silicon (Si)	≤ 100.0 ppb	< 10.0 ppb
Trace Impurities – Silver (Ag)	≤ 1.0 ppb	0.5 ppb
Trace Impurities – Sodium (Na)	≤ 100.0 ppb	2.3 ppb
Trace Impurities – Strontium (Sr)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities – Tantalum (Ta)	≤ 1.0 ppb	1.6 ppb
Trace Impurities – Thallium (Tl)	≤ 5.0 ppb	< 2.0 ppb
Trace Impurities – Tin (Sn)	≤ 5.0 ppb	4.0 ppb
Trace Impurities – Titanium (Ti)	≤ 1.0 ppb	1.5 ppb
Trace Impurities – Vanadium (V)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities – Zinc (Zn)	≤ 5.0 ppb	0.8 ppb
Trace Impurities – Zirconium (Zr)	≤ 1.0 ppb	0.3 ppb

>>> Continued on page 3 >>>

Hydrochloric Acid, 36.5–38.0%
BAKER INSTRA–ANALYZED® Reagent
For Trace Metal Analysis



Material No.: 9530-33
Batch No.: 22G2862015

Test	Specification	Result
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For Laboratory, Research, or Manufacturing Use
Product Information (not specifications):
Appearance (clear, fuming liquid)
Meets ACS Specifications
Storage Condition: Store below 25 °C.

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

A handwritten signature in cursive script that reads 'Jamie Ethier'.
Jamie Ethier
Vice President Global Quality

Column:

30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:

hydrogen-constant pressure 10 psi.

Temp. Program:

75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

Inj. Temp:

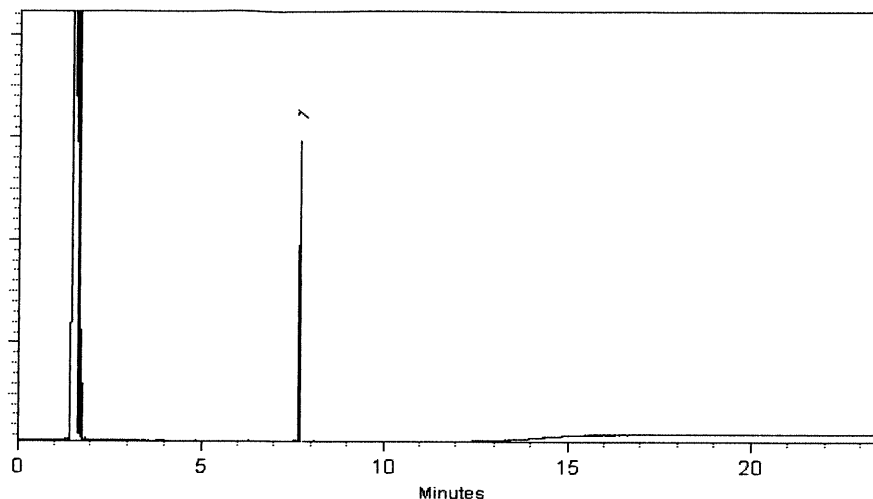
250°C

Det. Temp:

330°C

Det. Type:

FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Katelyn McGinnis
Katelyn McGinnis - Operations Tech I

Date Mixed: 28-May-2021

Balance: B345965662

Marlene Cowan
Marlene Cowan - Operations Tech I

Date Passed: 02-Jun-2021

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

1911177
70
P 111 86
AR
11/02/21



CERTIFIED REFERENCE MATERIAL

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

Certificate of Analysis



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32050 **Lot No.:** A0172864

Description : 2,4-Dichlorophenylacetic Acid Methyl Ester Standard

515 Surrogate (ester) 2, 4-dichlorophenyl Acetic Acid Methyl Ester
200µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 29, 2028 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)
1	2,4-Dichlorophenyl acetic acid methyl ester	202.0 µg/mL	+/- 1.4323 µg/mL Gravimetric
	CAS # 55954-23-9 (Lot CSC42194-01)		+/- 6.8182 µg/mL Unstressed
	Purity 99%		+/- 6.8182 µg/mL Stressed

Solvent: Hexane
CAS # 110-54-3
Purity 99%

P11177
↓
P11186
—
AR
01/02/21

Column:

30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:

hydrogen-constant pressure 10 psi.

Temp. Program:

75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

Inj. Temp:

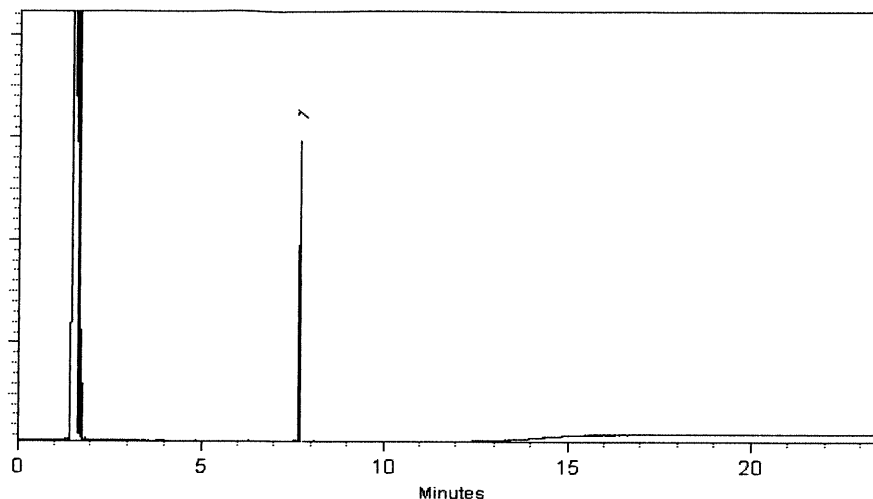
250°C

Det. Temp:

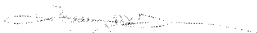
330°C

Det. Type:

FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Katelyn McGinnis - Operations Tech I

Date Mixed: 28-May-2021

Balance: B345965662


Marlene Cowan - Operations Tech I

Date Passed: 02-Jun-2021

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

1911177
70
P 111 86
AR
11/02/21



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Certificate of Analysis



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32050 **Lot No.:** A0172864
Description : 2,4-Dichlorophenylacetic Acid Methyl Ester Standard
515 Surrogate (ester) 2, 4-dichlorophenyl Acetic Acid Methyl Ester
200µg/mL, Hexane, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : February 29, 2028 **Storage:** 10°C or colder
Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)
1	2,4-Dichlorophenyl acetic acid methyl ester	202.0 µg/mL	+/- 1.4323 µg/mL Gravimetric
	CAS # 55954-23-9 (Lot CSC42194-01)		+/- 6.8182 µg/mL Unstressed
	Purity 99%		+/- 6.8182 µg/mL Stressed

Solvent: Hexane
CAS # 110-54-3
Purity 99%

P11177
↓
P11186
—
AR
01/02/21



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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32062 **Lot No.:** A0155055

Description : Herbicide Mix #4/ME (Methyl Ester)

Herbicide Mix #4/ME (Methyl Ester) 200µg/mL,
Hexane/Methyl-tert-butyl-ether, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2026 **Storage:** 10°C or colder

P12616 / (5)
↓
P12620
✓ *Paul* = 7/5/2023

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)
1	3,5-Dichlorobenzoic acid methyl ester CAS # 2905-67-1 (Lot 3903900) Purity 99%	200.0 µg/mL	+/- 1.4182 µg/mL Gravimetric +/- 6.7507 µg/mL Unstressed +/- 6.7507 µg/mL Stressed
2	4-Nitroanisole CAS # 100-17-4 (Lot 24765/7) Purity 99%	200.0 µg/mL	+/- 1.4182 µg/mL Gravimetric +/- 6.7507 µg/mL Unstressed +/- 6.7507 µg/mL Stressed
3	Pentachloroanisole CAS # 1825-21-4 (Lot 7921100) Purity 99%	200.0 µg/mL	+/- 1.4182 µg/mL Gravimetric +/- 6.7507 µg/mL Unstressed +/- 6.7507 µg/mL Stressed
4	Chloramben methyl ester CAS # 7286-84-2 (Lot 6487100) Purity 98%	199.9 µg/mL	+/- 1.4176 µg/mL Gravimetric +/- 6.7480 µg/mL Unstressed +/- 6.7480 µg/mL Stressed
5	Bentazon methyl ester CAS # 61592-45-8 (Lot 817100) Purity 99%	200.0 µg/mL	+/- 1.4182 µg/mL Gravimetric +/- 6.7507 µg/mL Unstressed +/- 6.7507 µg/mL Stressed
6	Picloram methyl ester CAS # 14143-55-6 (Lot 386-21B) Purity 98%	201.9 µg/mL	+/- 1.4315 µg/mL Gravimetric +/- 6.8141 µg/mL Unstressed +/- 6.8141 µg/mL Stressed
7	DCPA methyl ester (Chlorthal-dimethyl) CAS # 1861-32-1 (Lot 8008700) Purity 99%	200.0 µg/mL	+/- 1.4182 µg/mL Gravimetric +/- 6.7507 µg/mL Unstressed +/- 6.7507 µg/mL Stressed

8	Acifluorfen methyl ester		200.0 µg/mL	+/-	1.4182	µg/mL	Gravimetric
	CAS # 50594-67-7	(Lot 6282300)		+/-	6.7507	µg/mL	Unstressed
	Purity 99%			+/-	6.7507	µg/mL	Stressed

Solvent: Hexane/Methyl-tert-butyl-ether
CAS # 110-54-3/1634-04-4
Purity 99%

Column:
 30m x 0.25mm x 0.25µm
 Rtx-5 (cat.#10223)

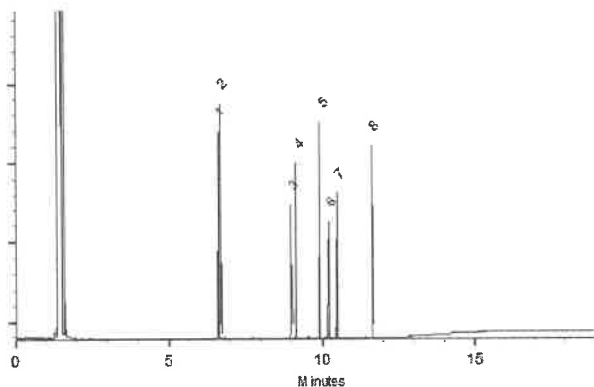
Carrier Gas:
 hydrogen-constant pressure 10 psi.

Temp. Program:
 75°C (hold 1 min.) to 330°C
 @ 20°C/min. (hold 10 min.)

Inj. Temp:
 250°C

Det. Temp:
 330°C

Det. Type:
 FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Michael Maje

Date Mixed: 14-Nov-2019 **Balance:** 1128353505

Justine Albertson
 Justine Albertson - Operations Tech-ARM QC

Date Passed: 18-Nov-2019

Manufactured under Restek's ISO 9001:2015
 Registered Quality System
 Certificate #FM 80397



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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32055 **Lot No.:** A0192429

Description : Herbicide Mix #1/ME (Methyl Ester)
Herbicide Mix #1/ME (Methyl Ester) 200 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : December 31, 2029 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

P12626 / 5
P12630
7/5/2023

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dicamba methyl ester	6597-78-0	11705400	99%	201.6 µg/mL	+/- 3.4204
2	Dichlorprop methyl ester	57153-17-0	11672100	99%	201.4 µg/mL	+/- 3.4170
3	2,4-D methyl ester	1928-38-7	10048000	99%	201.2 µg/mL	+/- 3.4136
4	2,4,5-TP (silvex) methyl ester	4841-20-7	6364900	99%	201.2 µg/mL	+/- 3.4136
5	2,4,5-T methyl ester	1928-37-6	6875800	98%	200.7 µg/mL	+/- 3.4052
6	Dinoseb methyl ether	6099-79-2	12914300	99%	200.8 µg/mL	+/- 3.4068
7	2,4-DB methyl ester	18625-12-2	12542000	99%	201.0 µg/mL	+/- 3.4102

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Quality Confirmation Test

Column:

30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:

hydrogen-constant pressure 10 psi.

Temp. Program:

40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

330°C

Det. Type:

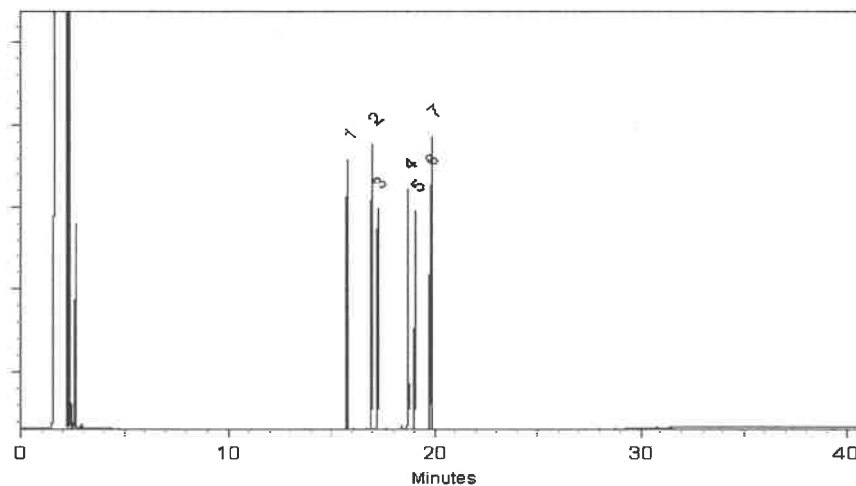
FID

Split Vent:

2 ml/min.

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Penelope Riglin - Operations Tech I

Date Mixed: 09-Dec-2022

Balance Serial # 1128360905


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 12-Dec-2022

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



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Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32059 **Lot No.:** A0199844

Description : Herbicide Mix #3/ME (Methyl Ester)
Herbicide Mix #3/ME (Methyl Ester) 20,000 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2030 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

P 12685 / (S)
↓
P 12689
↓
RAU = 7/24/23

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	MCPP (Mecoprop) methyl ester	23844-56-6	14546400	99%	20,035.0 µg/mL	+/- 360.1907
2	MCPA methyl ester	2436-73-9	SL201209	99%	20,055.0 µg/mL	+/- 360.5503

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Quality Confirmation Test

Column:

30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:

hydrogen-constant pressure 10 psi.

Temp. Program:

75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

330°C

Det. Type:

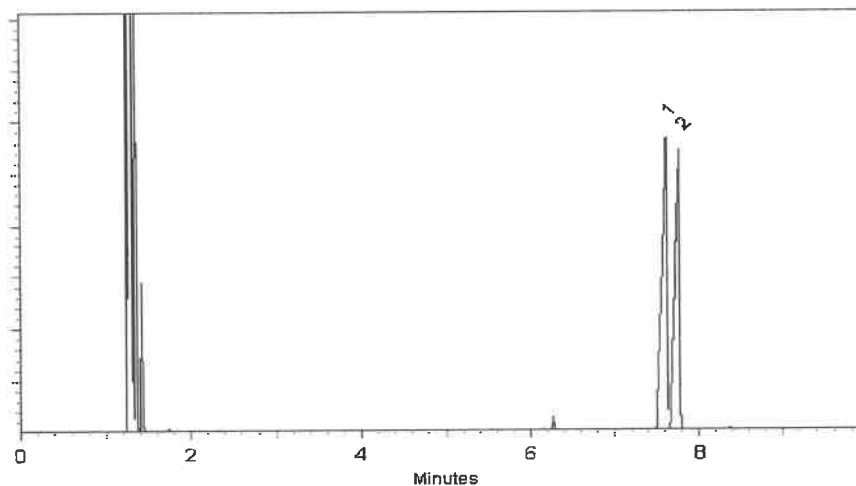
FID

Split Vent:

10 ml/min.

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Morgan Craighead - Mix Technician

Date Mixed: 12-Jul-2023

Balance Serial # B442140311


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 19-Jul-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

P12706
↓
P12715
/ (10)
/ 1
/ 8/15/23

ISO 17034

Reference Material Certificate
Product Information Sheet

Product Name: Chlorinated Methylated Herbicides Standard

Lot Number: 0006752480

Product Number: HBM-8151M-1

Lot Issue Date: 18-Jul-2023

Storage Conditions: Store at Room Temperature (15° to 30°C).

Expiration Date: 31-Aug-2025

Component Name	Concentration	Uncertainty	CAS#	Analyte Lot
acifluorfen methyl ester	100.3 ±	0.5 µg/mL	050594-67-7	RM03058
bentazon methyl derivative	100.2 ±	0.5 µg/mL	061592-45-8	RM13829
chloramben methyl ester	100.4 ±	0.5 µg/mL	007286-84-2	RM03055
2,4-D methyl ester	100.2 ±	0.5 µg/mL	001928-38-7	RM03040
dalapon methyl ester	100.4 ±	0.5 µg/mL	017640-02-7	RM14219
2,4-DB methyl ester	100.2 ±	0.5 µg/mL	018625-12-2	RM03029
DCPA	100.2 ±	0.5 µg/mL	001861-32-1	RM13426
dicamba methyl ester	100.4 ±	0.5 µg/mL	006597-78-0	RM03039
methyl-3,5-dichlorobenzoate	100.1 ±	0.5 µg/mL	002905-67-1	RM03048
dichlorprop methyl ester	100.4 ±	0.5 µg/mL	057153-17-0	NT02086
dinoseb methyl ether	100.5 ±	0.5 µg/mL	006099-79-2	RM03051
MCPA methyl ester	10031 ±	50 µg/mL	002436-73-9	RM12863
MCPP methyl ester	10031 ±	50 µg/mL	023844-56-6	RM20060
4-nitroanisole	100.3 ±	0.5 µg/mL	000100-17-4	RM02806
pentachloroanisole	100.4 ±	0.5 µg/mL	001825-21-4	RM02457
picloram methyl ester	100.2 ±	0.5 µg/mL	014143-55-6	RM03044
silvex methyl ester	100.2 ±	0.5 µg/mL	004841-20-7	RM03799
2,4,5-T methyl ester	100.4 ±	0.5 µg/mL	001928-37-6	RM03033

Matrix: methanol (methyl alcohol)

Description:

This document is prepared in accordance with ISO 17034 and Guide 31. This analytical reference material standard was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed above.

Traceability:

The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

Homogeneity:

This analytical reference standard was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

**Instructions for Use:**

Sample aliquots for analysis should be withdrawn at 20°C to 25°C immediately after opening the container and should be processed without delay for the certified values to be valid within the stated uncertainties.

Safety:

Refer to the Safety Data Sheet on www.agilent.com for information regarding this analytical reference material.

Intended Use:

This analytical reference standard is intended for the preparation of working reference samples for use in routine laboratory analyses, calibration of instruments, validation of analytical methods, assessments of measurement methods, and continuing calibration verification.

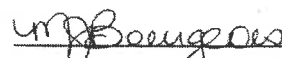
Expiration of Certification:

The certification of this analytical reference standard is valid until the expiration date specified above, provided the material is handled and stored in accordance with the instructions given in this certificate. This certification is nullified if the material is damaged, contaminated, or otherwise modified.

Maintenance of Certification:

If substantive changes are noted that affect the certification before the expiration of this certificate, Agilent will notify the purchaser.

Sample lot approver:


Monica Bourgeois
QMS Representative

P12706 / (10)
↓
P12715
✓ RAUF
8.15.23



ISO 17034
Cert No. AR-1936

RM was produced in accordance with the TUV/SUD registered ISO
9001:2015 Quality Management System. Cert# 951215321

Page: 2 of 2

www.agilent.com/quality/
CSD-QA-015.2

ISO 17025
Cert No. AT-1937

P12706
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P12715
/ (10)
/ 1
/ 8/15/23

ISO 17034

Reference Material Certificate
Product Information Sheet

Product Name: Chlorinated Methylated Herbicides Standard

Lot Number: 0006752480

Product Number: HBM-8151M-1

Lot Issue Date: 18-Jul-2023

Storage Conditions: Store at Room Temperature (15° to 30°C).

Expiration Date: 31-Aug-2025

Component Name	Concentration	Uncertainty	CAS#	Analyte Lot
acifluorfen methyl ester	100.3 ±	0.5 µg/mL	050594-67-7	RM03058
bentazon methyl derivative	100.2 ±	0.5 µg/mL	061592-45-8	RM13829
chloramben methyl ester	100.4 ±	0.5 µg/mL	007286-84-2	RM03055
2,4-D methyl ester	100.2 ±	0.5 µg/mL	001928-38-7	RM03040
dalapon methyl ester	100.4 ±	0.5 µg/mL	017640-02-7	RM14219
2,4-DB methyl ester	100.2 ±	0.5 µg/mL	018625-12-2	RM03029
DCPA	100.2 ±	0.5 µg/mL	001861-32-1	RM13426
dicamba methyl ester	100.4 ±	0.5 µg/mL	006597-78-0	RM03039
methyl-3,5-dichlorobenzoate	100.1 ±	0.5 µg/mL	002905-67-1	RM03048
dichlorprop methyl ester	100.4 ±	0.5 µg/mL	057153-17-0	NT02086
dinoseb methyl ether	100.5 ±	0.5 µg/mL	006099-79-2	RM03051
MCPA methyl ester	10031 ±	50 µg/mL	002436-73-9	RM12863
MCPP methyl ester	10031 ±	50 µg/mL	023844-56-6	RM20060
4-nitroanisole	100.3 ±	0.5 µg/mL	000100-17-4	RM02806
pentachloroanisole	100.4 ±	0.5 µg/mL	001825-21-4	RM02457
picloram methyl ester	100.2 ±	0.5 µg/mL	014143-55-6	RM03044
silvex methyl ester	100.2 ±	0.5 µg/mL	004841-20-7	RM03799
2,4,5-T methyl ester	100.4 ±	0.5 µg/mL	001928-37-6	RM03033

Matrix: methanol (methyl alcohol)

Description:

This document is prepared in accordance with ISO 17034 and Guide 31. This analytical reference material standard was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed above.

Traceability:

The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

Homogeneity:

This analytical reference standard was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

**Instructions for Use:**

Sample aliquots for analysis should be withdrawn at 20°C to 25°C immediately after opening the container and should be processed without delay for the certified values to be valid within the stated uncertainties.

Safety:

Refer to the Safety Data Sheet on www.agilent.com for information regarding this analytical reference material.

Intended Use:

This analytical reference standard is intended for the preparation of working reference samples for use in routine laboratory analyses, calibration of instruments, validation of analytical methods, assessments of measurement methods, and continuing calibration verification.

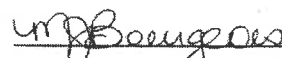
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Maintenance of Certification:

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Sample lot approver:


Monica Bourgeois
QMS Representative

P12706 / (10)
↓
P12715
✓ RAUF
8.15.23



ISO 17034
Cert No. AR-1936

RM was produced in accordance with the TUV/SUD registered ISO
9001:2015 Quality Management System. Cert# 951215321

Page: 2 of 2

www.agilent.com/quality/
CSD-QA-015.2

ISO 17025
Cert No. AT-1937



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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32049 **Lot No.:** A0212676
Description : 2,4-Dichlorophenylacetic Acid Standard
2, 4-Dichlorophenyl Acetic Acid 200µg/mL, Methanol, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : March 31, 2027 **Storage:** 10°C or colder
Handling: This product is photosensitive. **Ship:** Ambient

P13697 } Y.P.
↓
P13515 } 08/15/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4-dichlorophenylacetic acid	19719-28-9	STBK3827	99%	200.0 µg/mL	+/- 2.7154

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Specific Reference Material Notes:

Failure to derivatize this standard will lead to incorrect quantitative results.

Quality Confirmation Test

Column:

150mm x 4.6mm
Allure C18 Cat. (#9164565)

Flow Rate:

1.0 ml/min.

Mobile Phase A:

0.14% H₃PO₄ in water

Mobile Phase B:

acetonitrile

Mobile Phase Composition:

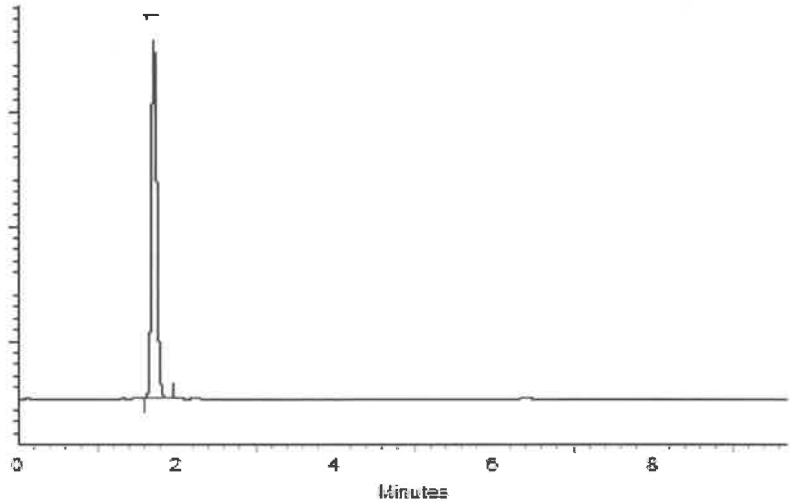
90%B Isocratic

Det. Type:

Wavelength: 220 & 254 nm

Inj. Vol

5µl

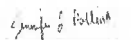


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Ethan Winiarski - Operations Tech I

Date Mixed: 11-Jun-2024

Balance Serial # B345965662


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 13-Jun-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32049 **Lot No.:** A0212676
Description : 2,4-Dichlorophenylacetic Acid Standard
2, 4-Dichlorophenyl Acetic Acid 200µg/mL, Methanol, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : March 31, 2027 **Storage:** 10°C or colder
Handling: This product is photosensitive. **Ship:** Ambient

P13697 } Y.P.
↓
P13515 } 08/15/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4-dichlorophenylacetic acid	19719-28-9	STBK3827	99%	200.0 µg/mL	+/- 2.7154

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Specific Reference Material Notes:

Failure to derivatize this standard will lead to incorrect quantitative results.

Quality Confirmation Test

Column:

150mm x 4.6mm
Allure C18 Cat. (#9164565)

Flow Rate:

1.0 ml/min.

Mobile Phase A:

0.14% H₃PO₄ in water

Mobile Phase B:

acetonitrile

Mobile Phase Composition:

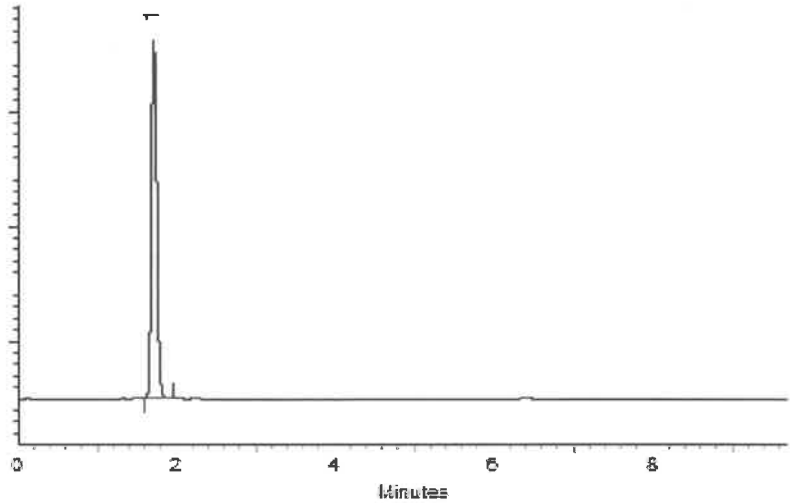
90%B Isocratic

Det. Type:

Wavelength: 220 & 254 nm

Inj. Vol

5µl

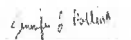


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Ethan Winiarski - Operations Tech I

Date Mixed: 11-Jun-2024

Balance Serial # B345965662


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 13-Jun-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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CERTIFIED REFERENCE MATERIAL

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chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32049 **Lot No.:** A0212676
Description : 2,4-Dichlorophenylacetic Acid Standard
2, 4-Dichlorophenyl Acetic Acid 200µg/mL, Methanol, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : March 31, 2027 **Storage:** 10°C or colder
Handling: This product is photosensitive. **Ship:** Ambient

P13697 } Y.P.
↓
P13515 } 08/15/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4-dichlorophenylacetic acid	19719-28-9	STBK3827	99%	200.0 µg/mL	+/- 2.7154

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Specific Reference Material Notes:

Failure to derivatize this standard will lead to incorrect quantitative results.

Quality Confirmation Test

Column:

150mm x 4.6mm
Allure C18 Cat. (#9164565)

Flow Rate:

1.0 ml/min.

Mobile Phase A:

0.14% H₃PO₄ in water

Mobile Phase B:

acetonitrile

Mobile Phase Composition:

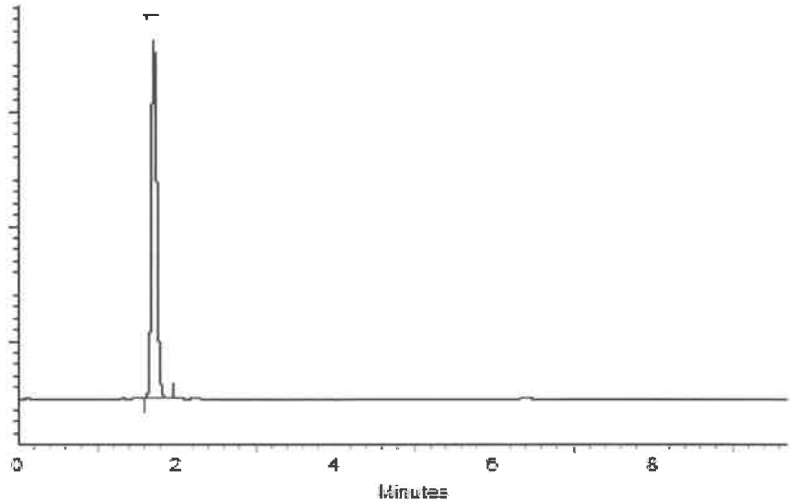
90%B Isocratic

Det. Type:

Wavelength: 220 & 254 nm

Inj. Vol

5µl

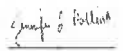


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Ethan Winiarski - Operations Tech I

Date Mixed: 11-Jun-2024

Balance Serial # B345965662


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 13-Jun-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32049 **Lot No.:** A0212676
Description : 2,4-Dichlorophenylacetic Acid Standard
2, 4-Dichlorophenyl Acetic Acid 200µg/mL, Methanol, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : March 31, 2027 **Storage:** 10°C or colder
Handling: This product is photosensitive. **Ship:** Ambient

P13697 } Y.P.
↓
P13515 } 08/15/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4-dichlorophenylacetic acid	19719-28-9	STBK3827	99%	200.0 µg/mL	+/- 2.7154

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Specific Reference Material Notes:

Failure to derivatize this standard will lead to incorrect quantitative results.

Quality Confirmation Test

Column:

150mm x 4.6mm
Allure C18 Cat. (#9164565)

Flow Rate:

1.0 ml/min.

Mobile Phase A:

0.14% H₃PO₄ in water

Mobile Phase B:

acetonitrile

Mobile Phase Composition:

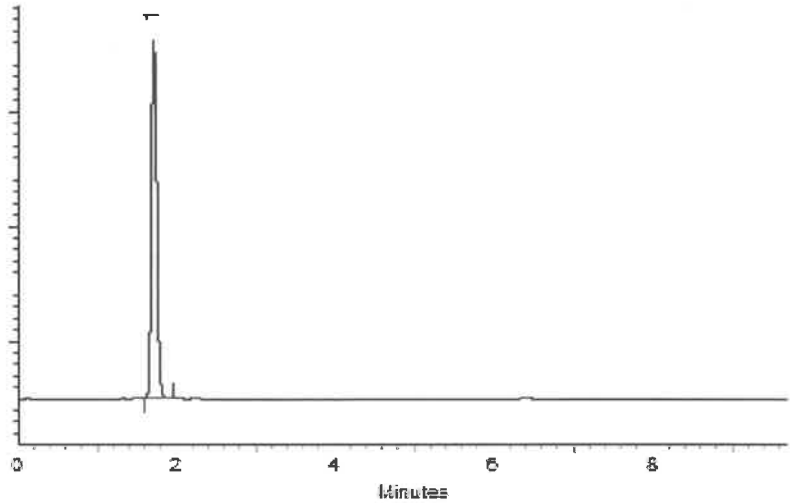
90%B Isocratic

Det. Type:

Wavelength: 220 & 254 nm

Inj. Vol

5µl

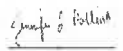


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Ethan Winiarski - Operations Tech I

Date Mixed: 11-Jun-2024

Balance Serial # B345965662


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 13-Jun-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/ μ ECD, GC/MS, LC/MS, RI, and/or melting point.
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- Purity of isomeric compounds is reported as the sum of the isomers.
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Certified Uncertainty Value Notes:

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k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

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Handling Notes:

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- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

**Reference Material Certificate
Product Information Sheet**

Product Name: Chlorinated Herbicides Standard
Product Number: HBM-8151A-1
Storage Conditions: Store at Room Temperature (15° to 30°C).

Lot Number: 0006810955
Lot Issue Date: 20-Aug-2024
Expiration Date: 30-Sep-2026

Component Name	Concentration	Uncertainty	CAS#	Analyte Lot
acifluorfen	100.2 ±	0.5 µg/mL	050594-66-6	NT02057
bentazon	100.4 ±	0.5 µg/mL	025057-89-0	RM21359
chloramben	100.3 ±	0.5 µg/mL	000133-90-4	RM02698
2,4-D	100.4 ±	0.5 µg/mL	000094-75-7	RM17172
dalapon	100.4 ±	0.5 µg/mL	000075-99-0	RM19677
2,4-DB	100.1 ±	0.5 µg/mL	000094-82-6	RM02866
tetrachloroterephthalic acid	100.4 ±	0.5 µg/mL	002136-79-0	RM15140
dicamba	100.3 ±	0.5 µg/mL	001918-00-9	RM22113
3,5-dichlorobenzoic acid	100.4 ±	0.5 µg/mL	000051-36-5	RM02768
dichlorprop	100.2 ±	0.5 µg/mL	000120-36-5	RM21688
dinoseb	100.3 ±	0.5 µg/mL	000088-85-7	RM22275
MCPA	10019 ±	50 µg/mL	000094-74-6	RM12220
MCPP (mecoprop)	10011 ±	50 µg/mL	000093-65-2	RM09273
4-nitrophenol	100.4 ±	0.5 µg/mL	000100-02-7	RM02391
pentachlorophenol	100.2 ±	0.5 µg/mL	000087-86-5	RM02474
picloram	100.4 ±	0.5 µg/mL	001918-02-1	RM20442
silvex	100.5 ±	0.5 µg/mL	000093-72-1	RM22116
2,4,5-T	100.3 ±	0.5 µg/mL	000093-76-5	RM19314

Matrix: methanol (methyl alcohol)

Description:

This document is prepared in accordance with ISO 17034 and Guide 31. This analytical reference material standard was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed above.

Traceability:

The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

Homogeneity:

This analytical reference standard was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

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BACF
9/4/2024

Reference Material Certificate
Product Information Sheet

Product Name: Chlorinated Herbicides Standard
Product Number: HBM-8151A-1
Storage Conditions: Store at Room Temperature (15° to 30°C).

Lot Number: 0006810955
Lot Issue Date: 20-Aug-2024
Expiration Date: 30-Sep-2026

Component Name	Concentration	Uncertainty	CAS#	Analyte Lot
acifluorfen	100.2 ±	0.5 µg/mL	050594-66-6	NT02057
bentazon	100.4 ±	0.5 µg/mL	025057-89-0	RM21359
chloramben	100.3 ±	0.5 µg/mL	000133-90-4	RM02698
2,4-D	100.4 ±	0.5 µg/mL	000094-75-7	RM17172
dalapon	100.4 ±	0.5 µg/mL	000075-99-0	RM19677
2,4-DB	100.1 ±	0.5 µg/mL	000094-82-6	RM02866
tetrachloroterephthalic acid	100.4 ±	0.5 µg/mL	002136-79-0	RM15140
dicamba	100.3 ±	0.5 µg/mL	001918-00-9	RM22113
3,5-dichlorobenzoic acid	100.4 ±	0.5 µg/mL	000051-36-5	RM02768
dichlorprop	100.2 ±	0.5 µg/mL	000120-36-5	RM21688
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9/4/2024



SHIPPING DOCUMENTS

Laboratory Certification

Certified By	License No.
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255425
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	TX-C25-00189
Virginia	460312