

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:	Q3604	OrderDate:	11/10/2025 4:28:38 PM
Client:	Roman E&G Corp	Project:	MCUA - New Brunswick
Contact:	Amanda Gentle	Location:	D41

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3604-01	S-1	SOIL			11/10/25			11/10/25
			PCB	8082A		11/12/25	11/12/25	
			EPH_NF	NJEPH		11/12/25	11/13/25	
			TCLP Herbicide	8151A		11/12/25	11/12/25	
			TCLP Pesticide	8081B		11/12/25	11/12/25	
Q3604-02	S-2	SOIL			11/10/25			11/10/25
			PCB	8082A		11/12/25	11/12/25	
			EPH_NF	NJEPH		11/12/25	11/12/25	
			TCLP Herbicide	8151A		11/12/25	11/13/25	
			TCLP Pesticide	8081B		11/12/25	11/12/25	



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

Hit Summary Sheet
SW-846

SDG No.: Q3604

Order ID: Q3604

Client: Roman E&G Corp

Project ID: MCUA - New Brunswick

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.: **Q3604**

Client: **Roman E&G Corp**

Analytical Method: **8151A**

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%)	
								Low	High
I.BLK-PS032225.D	PIBLK-PS032225.D	2,4-DCAA	1	500	359	72		70 (61)	130 (136)
		2,4-DCAA	2	500	508	102		70 (61)	130 (136)
I.BLK-PS032382.D	PIBLK-PS032382.D	2,4-DCAA	1	500	418	84		70 (24)	130 (167)
		2,4-DCAA	2	500	522	104		70 (24)	130 (167)
PB170516BL	PB170516BL	2,4-DCAA	1	500	402	80		70 (24)	130 (167)
		2,4-DCAA	2	500	242	48	*	70 (24)	130 (167)
PB170516BS	PB170516BS	2,4-DCAA	1	500	570	114		70 (24)	130 (167)
		2,4-DCAA	2	500	570	114		70 (24)	130 (167)
PB170493TB	PB170493TB	2,4-DCAA	1	500	405	81		70 (24)	130 (167)
		2,4-DCAA	2	500	241	48	*	70 (24)	130 (167)
Q3604-01	S-1	2,4-DCAA	1	500	353	71		70 (24)	130 (167)
		2,4-DCAA	2	500	367	73		70 (24)	130 (167)
Q3604-01MS	S-1MS	2,4-DCAA	1	500	365	73		70 (24)	130 (167)
		2,4-DCAA	2	500	367	73		70 (24)	130 (167)
Q3604-01MSD	S-1MSD	2,4-DCAA	1	500	336	67	*	70 (24)	130 (167)
		2,4-DCAA	2	500	470	94		70 (24)	130 (167)
Q3604-02	S-2	2,4-DCAA	1	500	338	68	*	70 (24)	130 (167)
		2,4-DCAA	2	500	385	77		70 (24)	130 (167)
I.BLK-PS032391.D	PIBLK-PS032391.D	2,4-DCAA	1	500	386	77		70 (24)	130 (167)
		2,4-DCAA	2	500	527	105		70 (24)	130 (167)

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q3604</u>	Analytical Method:	<u>8151A</u>
Client:	<u>Roman E&G Corp</u>	DataFile :	<u>PS032388.D</u>

		Sample				Rec		RPD		Limits	
Parameter	Spike	Result	Result	Units	Rec	Qual	RPD	Qual	Low	High	RPD
Lab Sample ID:	Q3604-01MS	Client Sample ID:	S-1MS								
(Column 1)											
2,4-D	50	0	22.7	ug/L	45	*			70 (65)	130 (135)	
2,4,5-TP(Silvex)	50	0	25.6	ug/L	51	*			70 (62)	130 (139)	
Lab Sample ID:	Q3604-01MS	Client Sample ID:	S-1MS								
(Column 2)											
2,4-D	50	0	23.6	ug/L	47	*			70 (65)	130 (135)	
2,4,5-TP(Silvex)	50	0	25.1	ug/L	50	*			70 (62)	130 (139)	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q3604</u>	Analytical Method:	<u>8151A</u>
Client:	<u>Roman E&G Corp</u>	DataFile :	<u>PS032389.D</u>

		Sample				Rec		RPD		Limits	
Parameter	Spike	Result	Result	Units	Rec	Qual	RPD	Qual	Low	High	RPD
Lab Sample ID:	Q3604-01MSD	Client Sample ID:	S-1MSD								
(Column 1)											
2,4-D	50	0	22.7	ug/L	45	*	0		70 (65)	130 (135)	20 (20)
2,4,5-TP(Silvex)	50	0	25.7	ug/L	51	*	0		70 (62)	130 (139)	20 (20)
Lab Sample ID:	Q3604-01MSD	Client Sample ID:	S-1MSD								
(Column 2)											
2,4-D	50	0	27.9	ug/L	56	*	17		70 (65)	130 (135)	20 (20)
2,4,5-TP(Silvex)	50	0	38.2	ug/L	76	*	41		70 (62)	130 (139)	20 (20)

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3604</u>	Analytical Method:	<u>8151A</u>
Client:	<u>Roman E&G Corp</u>	Datafile :	<u>PS032385.D</u>

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB170516BS (Column 1)	2,4-D	5	5.40	ug/L	108				70 (83)	130 (130)	
	2,4,5-TP(Silvex)	5	5.50	ug/L	110				70 (78)	130 (127)	
PB170516BS (Column 2)	2,4-D	5	5.40	ug/L	108				70 (83)	130 (130)	
	2,4,5-TP(Silvex)	5	5.50	ug/L	110				70 (78)	130 (127)	

4C

PESTICIDE METHOD BLANK SUMMARY

Client ID

PB170516BL

Lab Name: Alliance

Contract: ROMA02

Lab Code: ACE

SDG NO.: Q3604

Lab Sample ID: PB170516BL

Lab File ID: PS032384.D

Matrix: (soil/water) water

Extraction: (Type) SEPF

Sulfur Cleanup: (Y/N) N

Date Extracted: 11/12/2025

Date Analyzed (1): 11/12/2025

Date Analyzed (2): 11/12/2025

Time Analyzed (1): 21:40

Time Analyzed (2): 21:40

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
PB170516BS	PB170516BS	PS032385.D	11/12/2025	11/12/2025
PB170493TB	PB170493TB	PS032386.D	11/12/2025	11/12/2025
S-1	Q3604-01	PS032387.D	11/12/2025	11/12/2025
S-1MS	Q3604-01MS	PS032388.D	11/12/2025	11/12/2025
S-1MSD	Q3604-01MSD	PS032389.D	11/12/2025	11/12/2025
S-2	Q3604-02	PS032390.D	11/13/2025	11/13/2025

COMMENTS: _____



SAMPLE DATA



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Report of Analysis

Client:	Roman E&G Corp		Date Collected:	
Project:	MCUA - New Brunswick		Date Received:	11/12/25
Client Sample ID:	PB170493TB		SDG No.:	Q3604
Lab Sample ID:	PB170493TB		Matrix:	TCLP
Analytical Method:	8151A		% Solid:	0
Sample Wt/Vol:	100 mL	Final Vol: 10000 uL	Test:	TCLP Herbicide
Prep Method:	8151A	Prep Date: 11/12/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
94-75-7	2,4-D	9.20	U	1	9.20	20.0	ug/L	11/12/25 22:28	PB170516
93-72-1	2,4,5-TP (Silvex)	7.80	U	1	7.80	20.0	ug/L	11/12/25 22:28	PB170516
SURROGATES									
19719-28-9	2,4-DCAA	405			70 (24) - 130 (167)	81%	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\PS111225\
 Data File : PS032386.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 12 Nov 2025 22:28
 Operator : AR\AJ
 Sample : PB170493TB
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 PB170493TB

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 11/13/2025
 Supervised By :Yogesh Patel 11/13/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 13 00:15:35 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110325.M
 Quant Title : 8080.M
 QLast Update : Tue Nov 04 04:59:50 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	7.282	7.616	1836.7E6	877.9E6	405.345	240.827m#

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS111225\
Data File : PS032386.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Nov 2025 22:28
Operator : AR\AJ
Sample : PB170493TB
Misc :
ALS Vial : 17 Sample Multiplier: 1

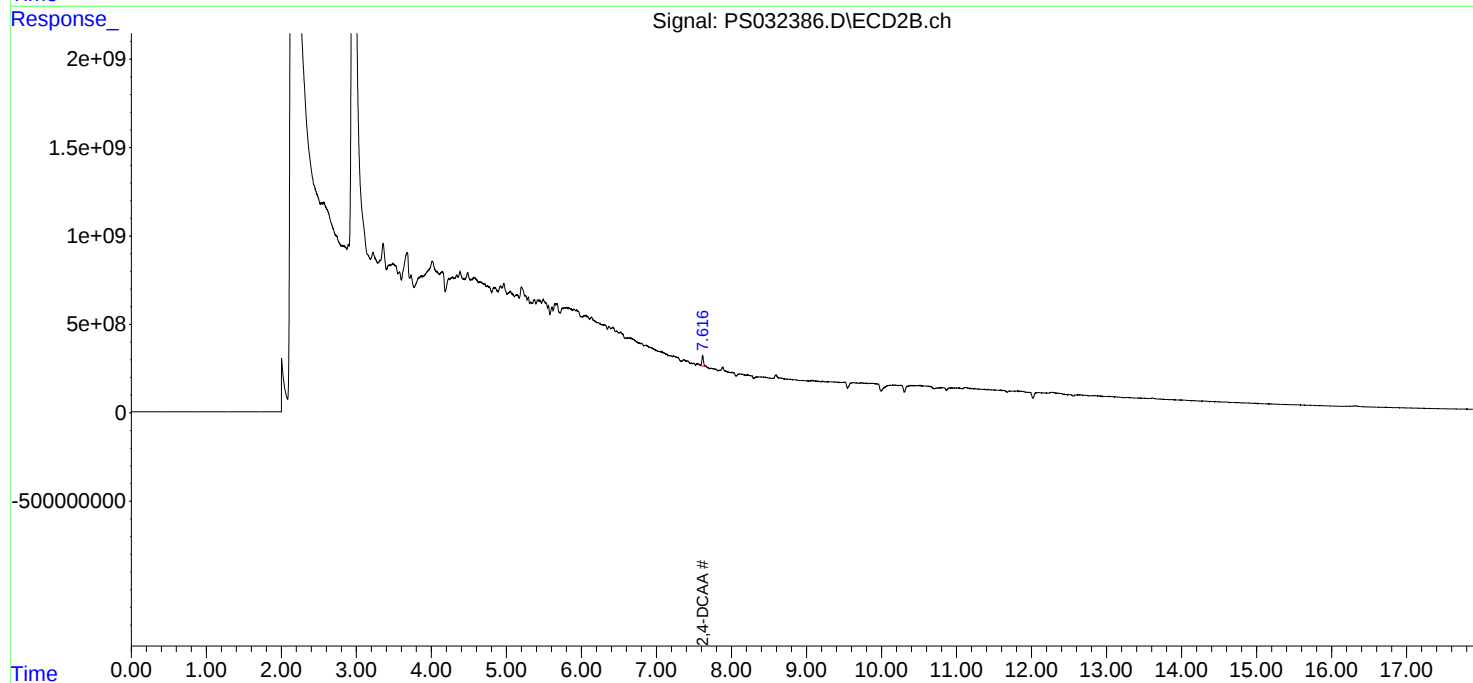
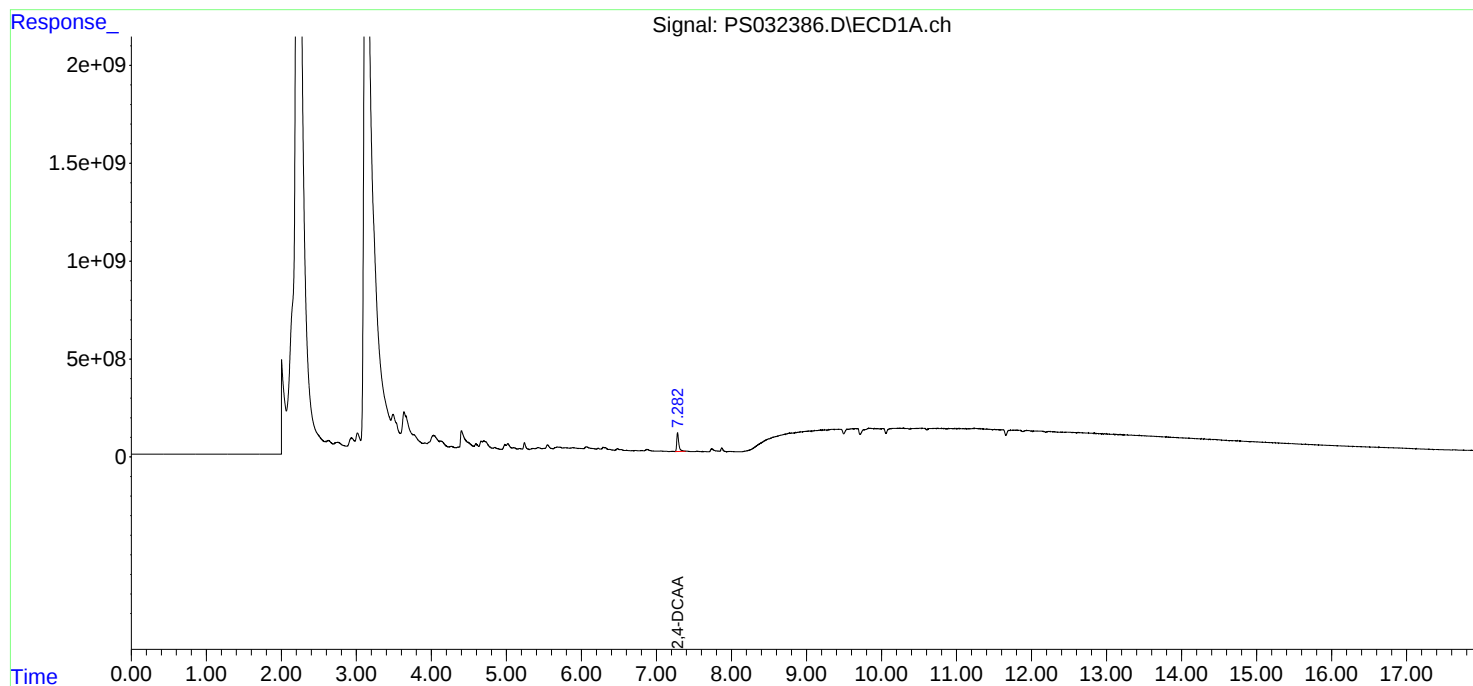
Instrument :
ECD_S
ClientSampleId :
PB170493TB

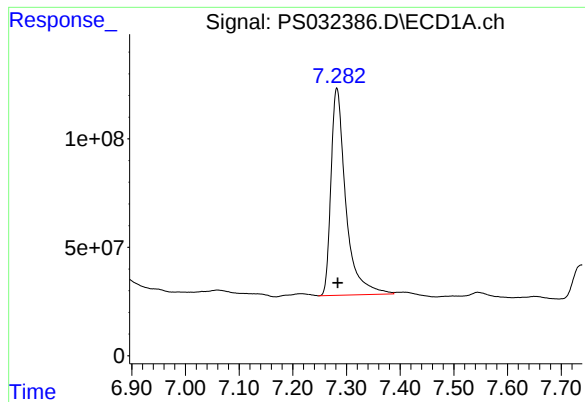
Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 11/13/2025
Supervised By :Yogesh Patel 11/13/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 13 00:15:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110325.M
Quant Title : 8080.M
QLast Update : Tue Nov 04 04:59:50 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





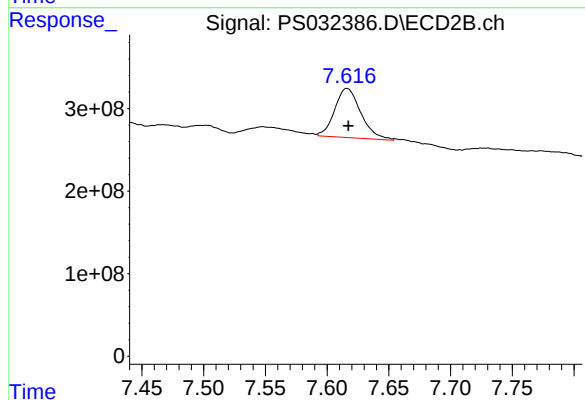
#4 2,4-DCAA

R.T.: 7.282 min
Delta R.T.: -0.001 min
Response: 1836728519
Conc: 405.34 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB170493TB

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 11/13/2025
Supervised By :Yogesh Patel 11/13/2025



#4 2,4-DCAA

R.T.: 7.616 min
Delta R.T.: -0.001 min
Response: 877934177
Conc: 240.83 ng/ml m



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Report of Analysis

Client:	Roman E&G Corp	Date Collected:	11/10/25
Project:	MCUA - New Brunswick	Date Received:	11/10/25
Client Sample ID:	S-1	SDG No.:	Q3604
Lab Sample ID:	Q3604-01	Matrix:	TCLP
Analytical Method:	8151A	% Solid:	0
Sample Wt/Vol:	100 mL	Final Vol:	10000 uL
Prep Method:	8151A	Test:	TCLP Herbicide
	Prep Date:		11/12/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
94-75-7	2,4-D	9.20	U	1	9.20	20.0	ug/L	11/12/25 22:52	PB170516
93-72-1	2,4,5-TP (Silvex)	7.80	U	1	7.80	20.0	ug/L	11/12/25 22:52	PB170516
SURROGATES									
19719-28-9	2,4-DCAA	367			70 (24) - 130 (167)	73%	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\PS111225\
 Data File : PS032387.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 12 Nov 2025 22:52
 Operator : AR\AJ
 Sample : Q3604-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 S-1

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 11/13/2025
 Supervised By :Yogesh Patel 11/13/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 13 00:16:15 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110325.M
 Quant Title : 8080.M
 QLast Update : Tue Nov 04 04:59:50 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	7.282	7.618	1600.2E6	1338.7E6	353.145m	367.228

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS111225\
Data File : PS032387.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Nov 2025 22:52
Operator : AR\AJ
Sample : Q3604-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

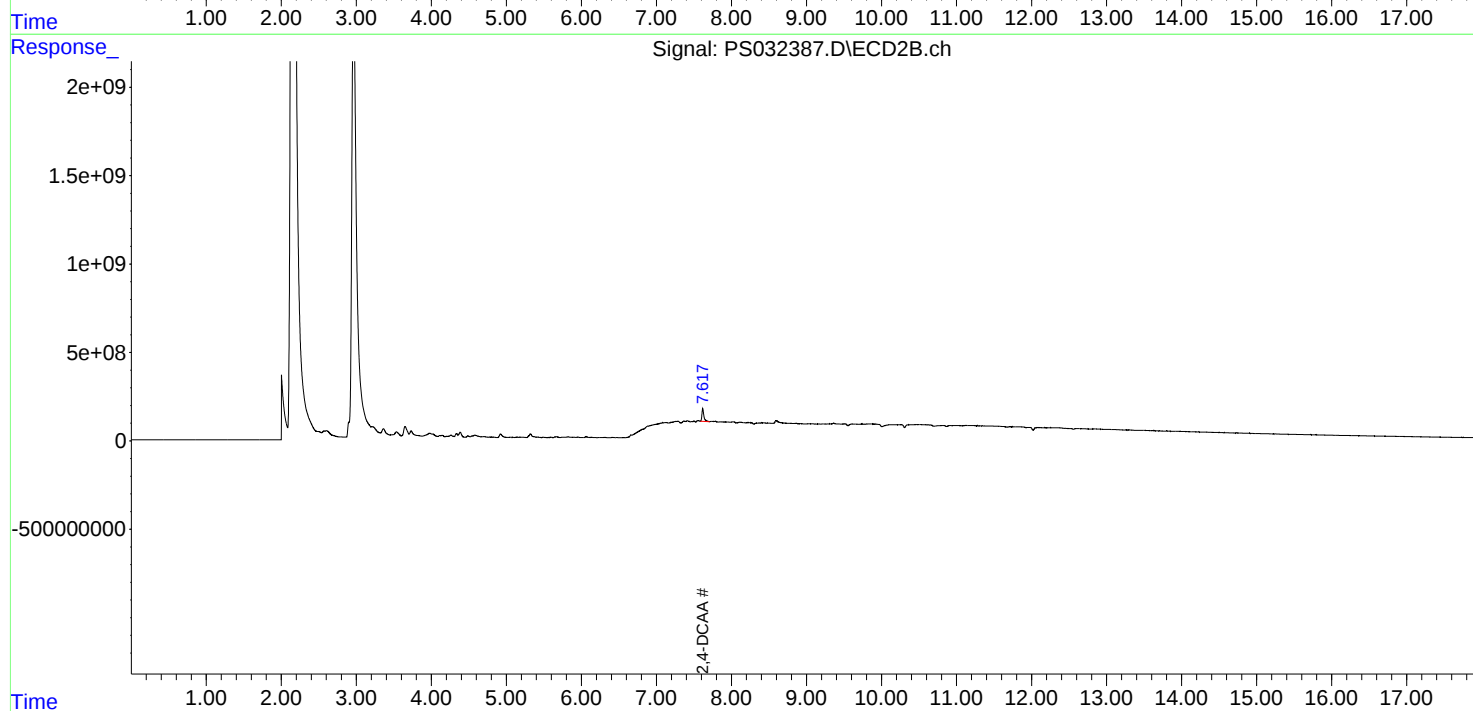
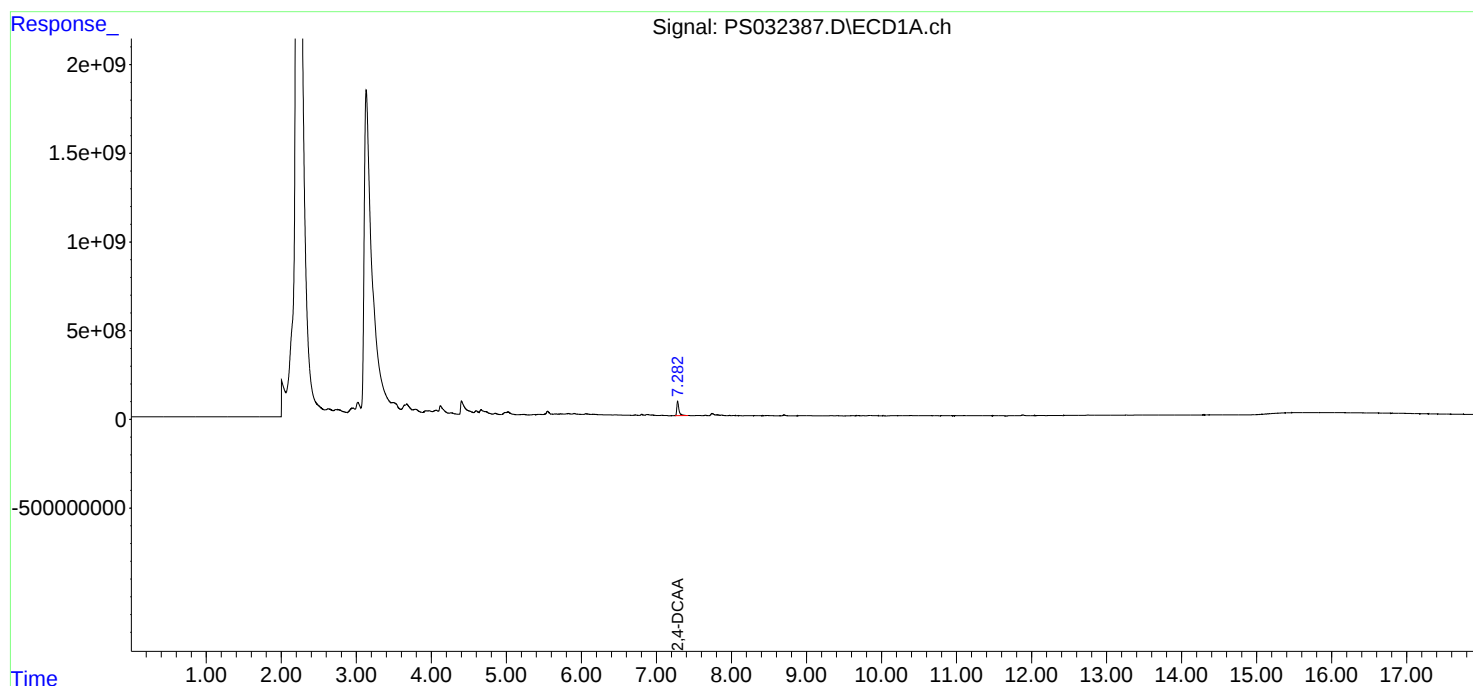
Instrument :
ECD_S
ClientSampleId :
S-1

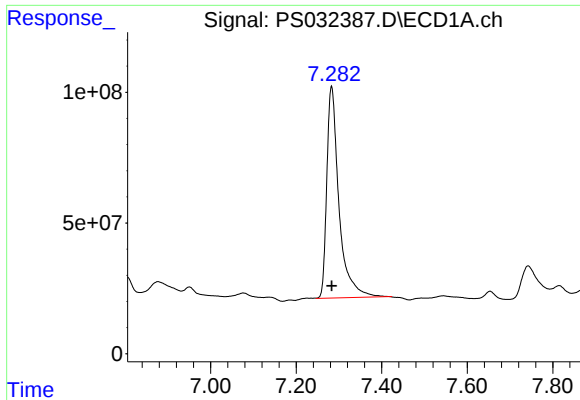
Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 11/13/2025
Supervised By :Yogesh Patel 11/13/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 13 00:16:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110325.M
Quant Title : 8080.M
QLast Update : Tue Nov 04 04:59:50 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





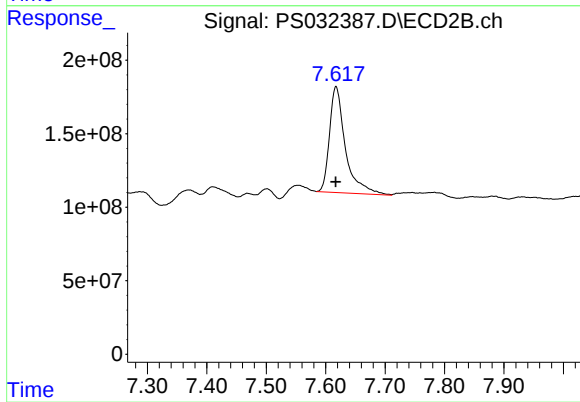
#4 2,4-DCAA

R.T.: 7.282 min
Delta R.T.: -0.001 min
Response: 1600195213
Conc: 353.14 ng/ml

Instrument :
ECD_S
ClientSampleId :
S-1

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 11/13/2025
Supervised By :Yogesh Patel 11/13/2025



#4 2,4-DCAA

R.T.: 7.618 min
Delta R.T.: 0.000 min
Response: 1338728920
Conc: 367.23 ng/ml



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Report of Analysis

Client:	Roman E&G Corp		Date Collected:	11/10/25
Project:	MCUA - New Brunswick		Date Received:	11/10/25
Client Sample ID:	S-2		SDG No.:	Q3604
Lab Sample ID:	Q3604-02		Matrix:	TCLP
Analytical Method:	8151A		% Solid:	0
Sample Wt/Vol:	100 mL	Final Vol: 10000 uL	Test:	TCLP Herbicide
Prep Method:	8151A	Prep Date: 11/12/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
94-75-7	2,4-D	9.20	U	1	9.20	20.0	ug/L	11/13/25 00:05	PB170516
93-72-1	2,4,5-TP (Silvex)	7.80	U	1	7.80	20.0	ug/L	11/13/25 00:05	PB170516
SURROGATES									
19719-28-9	2,4-DCAA	385			70 (24) - 130 (167)	77%	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\PS111225\
Data File : PS032390.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Nov 2025 00:05
Operator : AR\AJ
Sample : Q3604-02
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
S-2

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 11/13/2025
Supervised By :Yogesh Patel 11/13/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 13 00:25:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110325.M
Quant Title : 8080.M
QLast Update : Tue Nov 04 04:59:50 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	7.282	7.617	1533.8E6	1403.7E6	338.490	385.056m

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS111225\
Data File : PS032390.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Nov 2025 00:05
Operator : AR\AJ
Sample : Q3604-02
Misc :
ALS Vial : 21 Sample Multiplier: 1

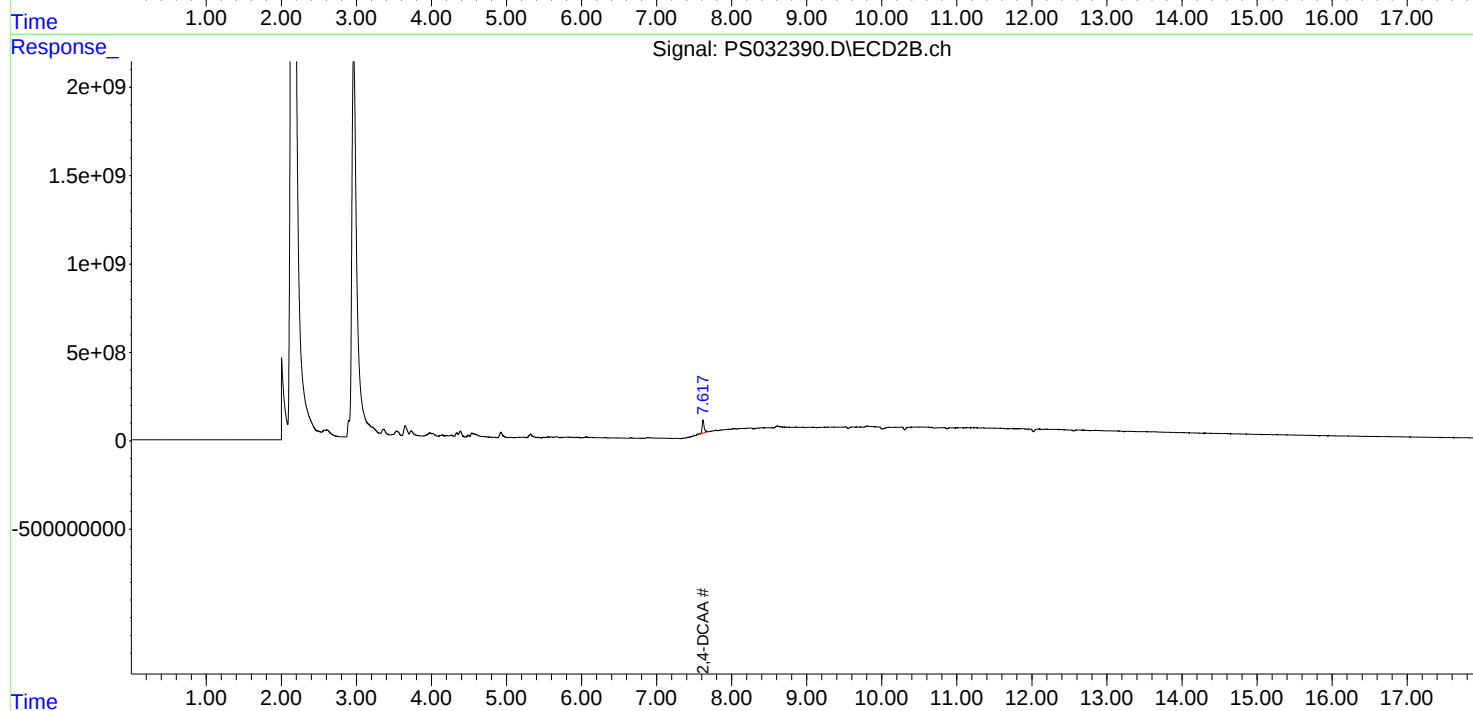
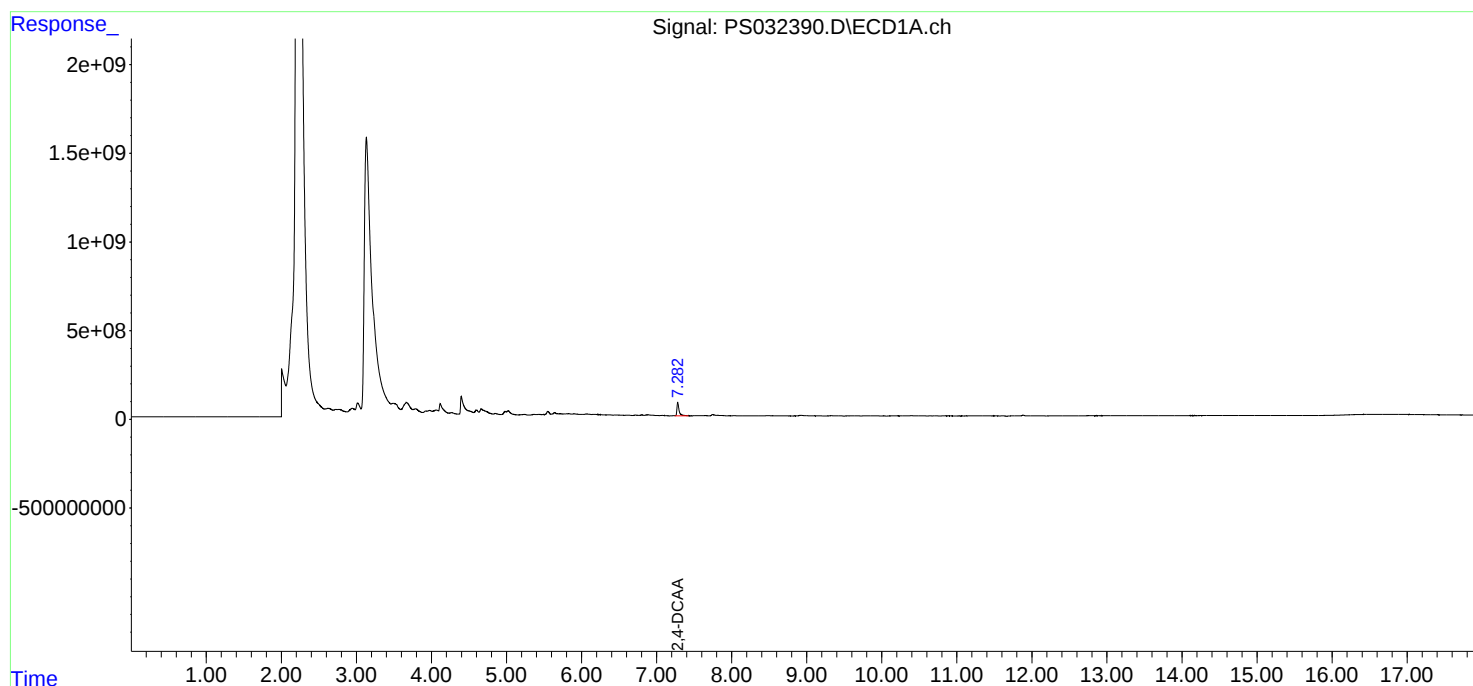
Instrument :
ECD_S
ClientSampleId :
S-2

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 11/13/2025
Supervised By :Yogesh Patel 11/13/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 13 00:25:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110325.M
Quant Title : 8080.M
QLast Update : Tue Nov 04 04:59:50 2025
Response via : Initial Calibration
Integrator: ChemStation

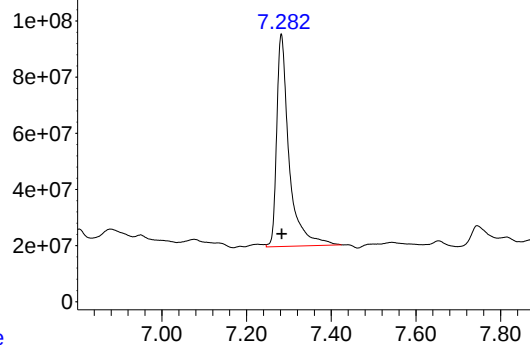
Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



Response_

Signal: PS032390.D\ECD1A.ch

#4 2,4-DCAA



R.T.: 7.282 min
Delta R.T.: -0.001 min
Response: 1533791498
Conc: 338.49 ng/ml

Instrument :
ECD_S
ClientSampleId :
S-2

Manual Integrations
APPROVED

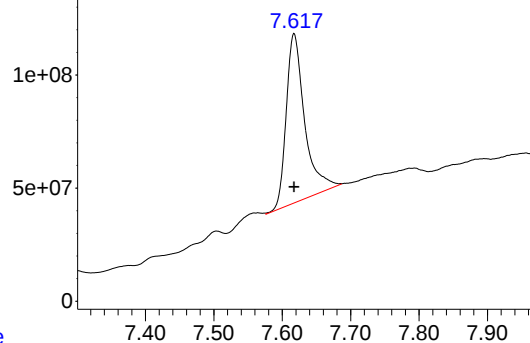
Reviewed By :Rahul Chavli 11/13/2025
Supervised By :Yogesh Patel 11/13/2025

Time

Response_

Signal: PS032390.D\ECD2B.ch

#4 2,4-DCAA



R.T.: 7.617 min
Delta R.T.: 0.000 min
Response: 1403719284
Conc: 385.06 ng/ml m

Time



CALIBRATION SUMMARY

RETENTION TIMES OF INITIAL CALIBRATION

Lab Name:	<u>Alliance</u>	Contract:	<u>ROMA02</u>
Lab Code:	<u>ACE</u>	SDG NO.:	<u>Q3604</u>
Instrument ID:	<u>ECD_S</u>	Calibration Date(s):	<u>11/03/2025</u> <u>11/03/2025</u>
		Calibration Times:	<u>09:40</u> <u>11:17</u>

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

LAB FILE ID:	RT 200 = <u>PS032226.D</u>	RT 500 = <u>PS032227.D</u>
RT 750 = <u>PS032228.D</u>	RT 1000 = <u>PS032229.D</u>	RT 1500 = <u>PS032230.D</u>

COMPOUND	RT 200	RT 500	RT 750	RT 1000	RT 1500	MEAN RT	RT WINDOW	
							FROM	TO
2,4,5-TP(Silvex)	9.28	9.28	9.28	9.28	9.28	9.28	9.18	9.38
2,4-D	8.43	8.42	8.41	8.41	8.41	8.42	8.32	8.52
2,4-DCAA	7.29	7.29	7.28	7.28	7.28	7.28	7.18	7.38

RETENTION TIMES OF INITIAL CALIBRATION

Lab Name:	<u>Alliance</u>	Contract:	<u>ROMA02</u>
Lab Code:	<u>ACE</u>	SDG NO.:	<u>Q3604</u>
Instrument ID:	<u>ECD_S</u>	Calibration Date(s):	<u>11/03/2025</u> <u>11/03/2025</u>
		Calibration Times:	<u>09:40</u> <u>11:17</u>

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

LAB FILE ID:	RT 200 = <u>PS032226.D</u>	RT 500 = <u>PS032227.D</u>
RT 750 = <u>PS032228.D</u>	RT 1000 = <u>PS032229.D</u>	RT 1500 = <u>PS032230.D</u>

COMPOUND	RT 200	RT 500	RT 750	RT 1000	RT 1500	MEAN RT	RT WINDOW	
							FROM	TO
2,4,5-TP(Silvex)	9.75	9.75	9.74	9.74	9.74	9.75	9.65	9.85
2,4-D	8.89	8.87	8.86	8.86	8.86	8.87	8.77	8.97
2,4-DCAA	7.63	7.62	7.62	7.62	7.61	7.62	7.52	7.72



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

CALIBRATION FACTOR OF INITIAL CALIBRATION

Lab Name: Alliance

Contract: ROMA02

Lab Code: ACE

SDG NO.: Q3604

Instrument ID: ECD_S

Calibration Date(s): 11/03/2025 11/03/2025

Calibration Times: 09:40 11:17

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

LAB FILE ID:		CF 200 =	<u>PS032226.D</u>	CF 500 =	<u>PS032227.D</u>		
CF 750 =		<u>PS032228.D</u>	CF 1000 =	<u>PS032229.D</u>	CF 1500 =	<u>PS032230.D</u>	
COMPOUND	CF 200	CF 500	CF 750	CF 1000	CF 1500	CF	% RSD
2,4,5-TP(Silvex)	29002100000	27213000000	26386400000	24343100000	23113100000	26011600000	9
2,4-D	5213180000	4699390000	4506050000	4152780000	3987670000	4511810000	11
2,4-DCAA	5119490000	4707160000	4538440000	4190170000	4101110000	4531270000	9



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

CALIBRATION FACTOR OF INITIAL CALIBRATION

Lab Name: Alliance

Contract: ROMA02

Lab Code: ACE

SDG NO.: Q3604

Instrument ID: ECD_S

Calibration Date(s): 11/03/2025 11/03/2025

Calibration Times: 09:40 11:17

GC Column: RTX-CLP2

ID: 0.32 (mm)

LAB FILE ID:		CF 200 =	<u>PS032226.D</u>	CF 500 =	<u>PS032227.D</u>		
CF 750 =		<u>PS032228.D</u>	CF 1000 =	<u>PS032229.D</u>	CF 1500 =	<u>PS032230.D</u>	
COMPOUND	CF 200	CF 500	CF 750	CF 1000	CF 1500	CF	% RSD
2,4,5-TP(Silvex)	30276100000	28543900000	27314100000	24890000000	23245400000	26853900000	10
2,4-D	5684310000	5535780000	5360230000	4911890000	4736080000	5245660000	8
2,4-DCAA	3895870000	3715630000	3686230000	3472610000	3457140000	3645500000	5

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS110325\
 Data File : PS032226.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 03 Nov 2025 09:40
 Operator : AR\AJ
 Sample : HSTDICC200
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 HSTDICC200

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 11/04/2025
 Supervised By :Yogesh Patel 11/04/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 03 11:02:41 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110325.M
 Quant Title : 8080.M
 QLast Update : Mon Nov 03 10:53:30 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	7.290	7.626	1023.9E6	779.2E6	213.830	211.567m
Target Compounds							
1) T	Dalapon	2.657	2.602	1394.1E6	1363.4E6	186.904	189.215
2) T	3,5-DICHL...	6.455	6.597	1341.0E6	1246.1E6	196.568	195.900
3) T	4-Nitroph...	7.133	7.251	213.5E6	402.5E6	171.867m	180.581m
5) T	DICAMBA	7.467	7.810	3843.3E6	3513.2E6	194.278	193.788
6) T	MCPD	7.640	7.902	159.8E6	221.4E6	15.565m	16.949
7) T	MCPA	7.789	8.146	213.3E6	277.9E6	16.483	17.064
8) T	DICHLORPROP	8.178	8.528	1009.3E6	1024.4E6	211.907	202.268
9) T	2,4-D	8.430	8.885	980.1E6	1068.7E6	203.919	193.359
10) T	Pentachlo...	8.704	9.359	14682.8E6	13778.3E6	203.069	205.743
11) T	2,4,5-TP ...	9.284	9.750	5510.4E6	5752.5E6	200.132	200.355
12) T	2,4,5-T	9.591	10.185	4728.2E6	4653.6E6	190.676	188.750
13) T	2,4-DB	10.172	10.756	472.2E6	727.2E6	179.848	189.082
14) T	DINOSEB	11.346	11.108	4551.4E6	3737.1E6	204.418	199.623
15) T	Picloram	11.211	12.247	3092.6E6	7405.0E6	154.210	188.497
16) T	DCPA	11.646	12.141	7400.4E6	7159.9E6	205.778	206.797

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS110325\
Data File : PS032226.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Nov 2025 09:40
Operator : AR\AJ
Sample : HSTDICC200
Misc :
ALS Vial : 3 Sample Multiplier: 1

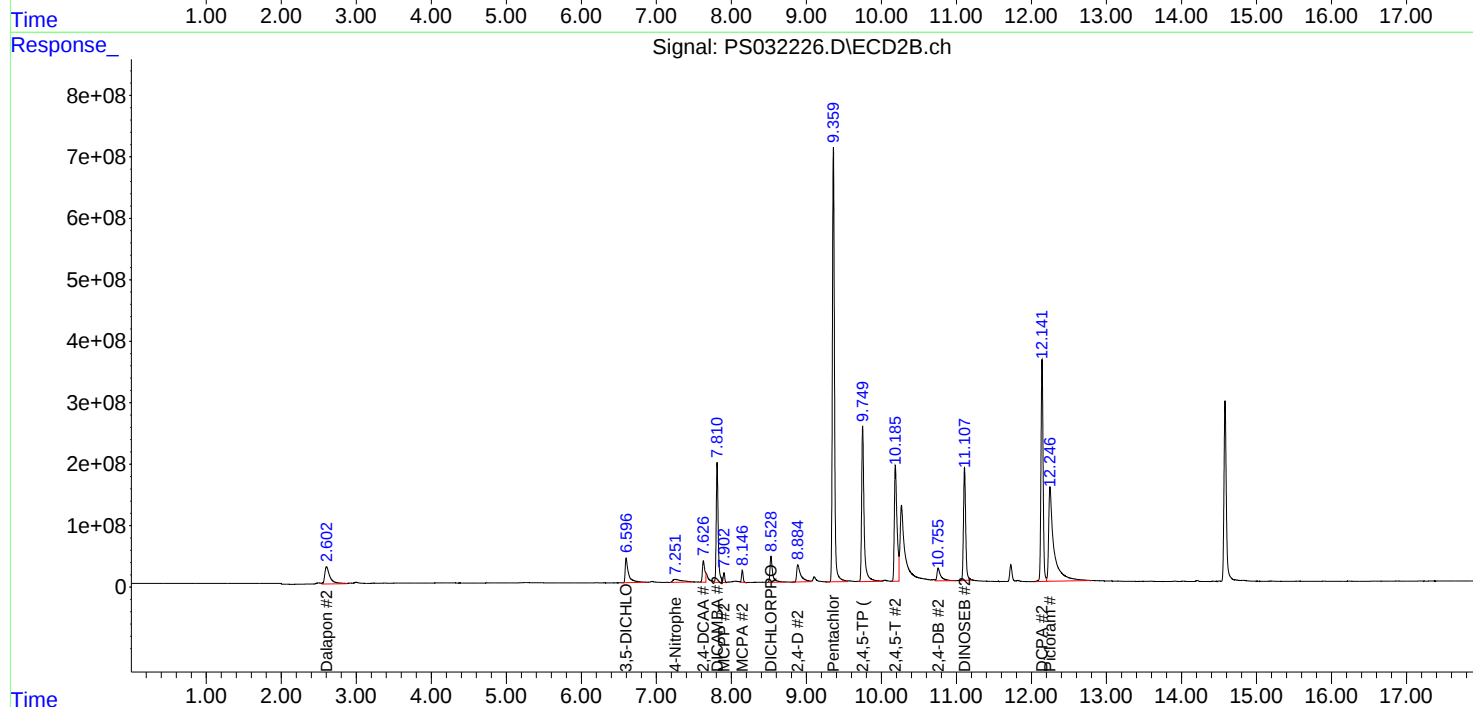
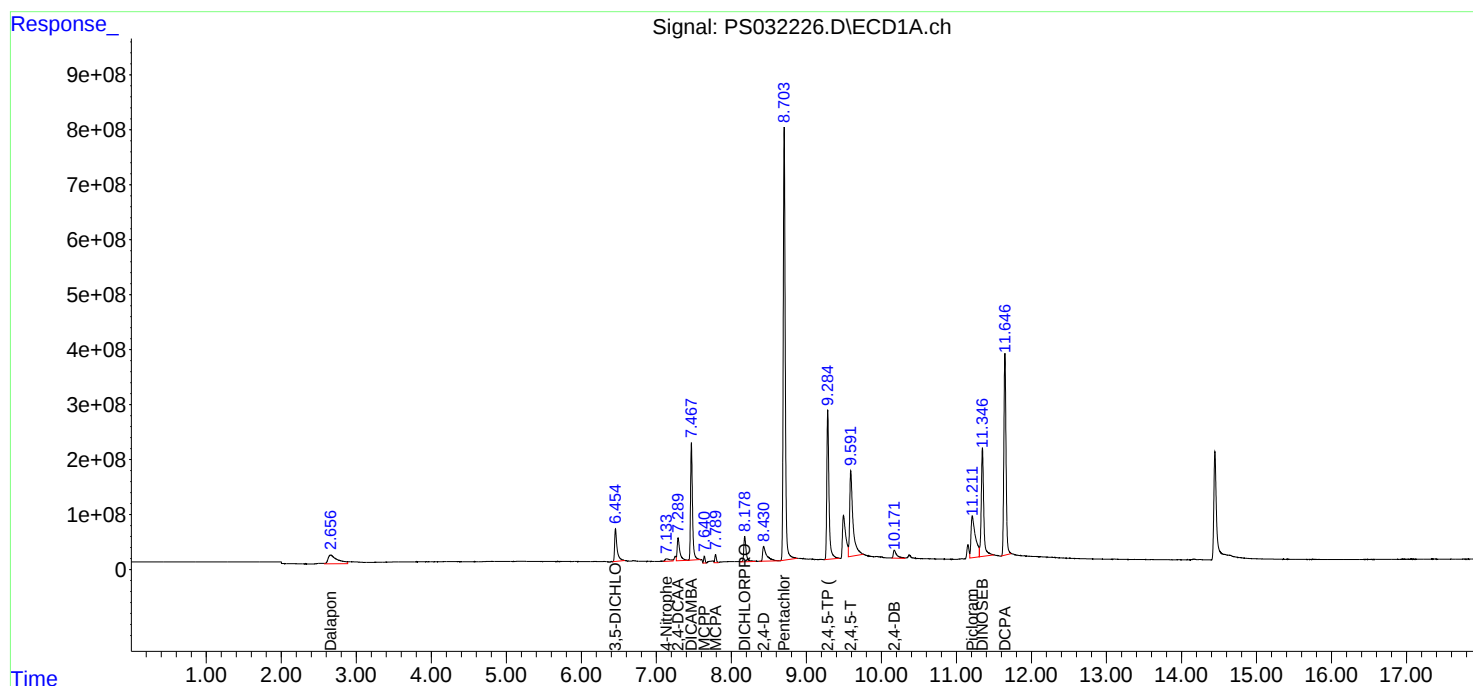
Instrument :
ECD_S
ClientSampleId :
HSTDICC200

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 11/04/2025
Supervised By :Yogesh Patel 11/04/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 03 11:02:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110325.M
Quant Title : 8080.M
QLast Update : Mon Nov 03 10:53:30 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\PS110325\
 Data File : PS032227.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 03 Nov 2025 10:04
 Operator : AR\AJ
 Sample : HSTDICC500
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 HSTDICC500

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 11/04/2025
 Supervised By :Yogesh Patel 11/04/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 03 10:59:41 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110325.M
 Quant Title : 8080.M
 QLast Update : Mon Nov 03 10:53:30 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	7.286	7.620	2353.6E6	1857.8E6	509.125	504.511
Target Compounds							
1) T	Dalapon	2.654	2.603	3384.1E6	3229.0E6	459.903	457.182
2) T	3,5-DICHL...	6.451	6.588	3131.4E6	2934.0E6	472.433	473.884
3) T	4-Nitroph...	7.111	7.199	598.3E6	961.9E6	437.044	602.649m#
5) T	DICAMBA	7.466	7.809	9256.9E6	8491.4E6	475.885	475.703
6) T	MCPD	7.642	7.904	502.2E6	630.3E6	50.201	45.985
7) T	MCPA	7.791	8.148	615.0E6	774.9E6	44.962	45.700
8) T	DICHLORPROP	8.175	8.523	2136.4E6	2333.4E6	479.032	478.902
9) T	2,4-D	8.418	8.869	2208.7E6	2601.8E6	479.871	493.354
10) T	Pentachlo...	8.703	9.358	34897.1E6	31618.9E6	499.830	492.675
11) T	2,4,5-TP ...	9.282	9.746	12926.2E6	13558.4E6	482.325	486.802
12) T	2,4,5-T	9.582	10.176	11841.7E6	11812.3E6	478.392	478.404
13) T	2,4-DB	10.160	10.742	1266.2E6	1839.5E6	469.707	556.534
14) T	DINOSEB	11.346	11.106	10208.2E6	8651.2E6	479.422	476.927
15) T	Picloram	11.191	12.231	9691.3E6	18869.8E6	441.656	478.443
16) T	DCPA	11.645	12.139	17023.2E6	16465.9E6	490.969	494.637

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS110325\
Data File : PS032227.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Nov 2025 10:04
Operator : AR\AJ
Sample : HSTDICC500
Misc :
ALS Vial : 4 Sample Multiplier: 1

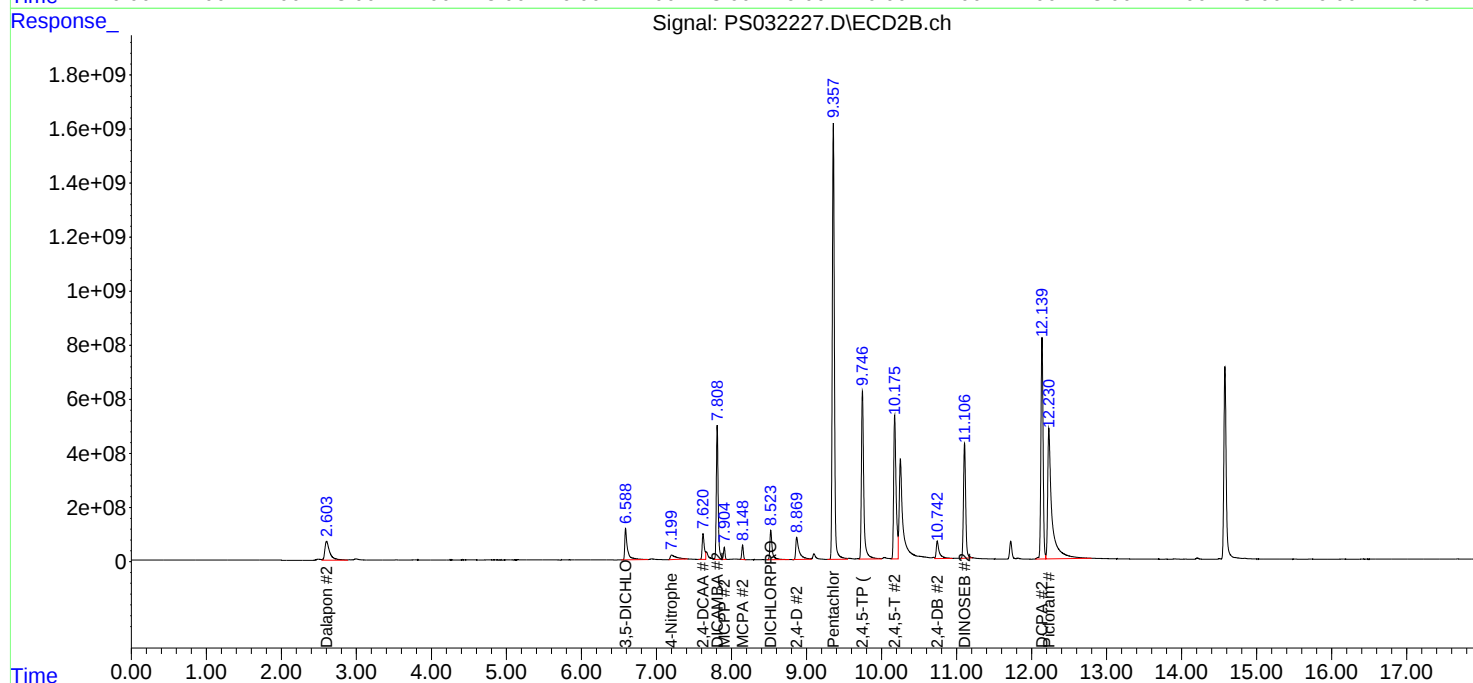
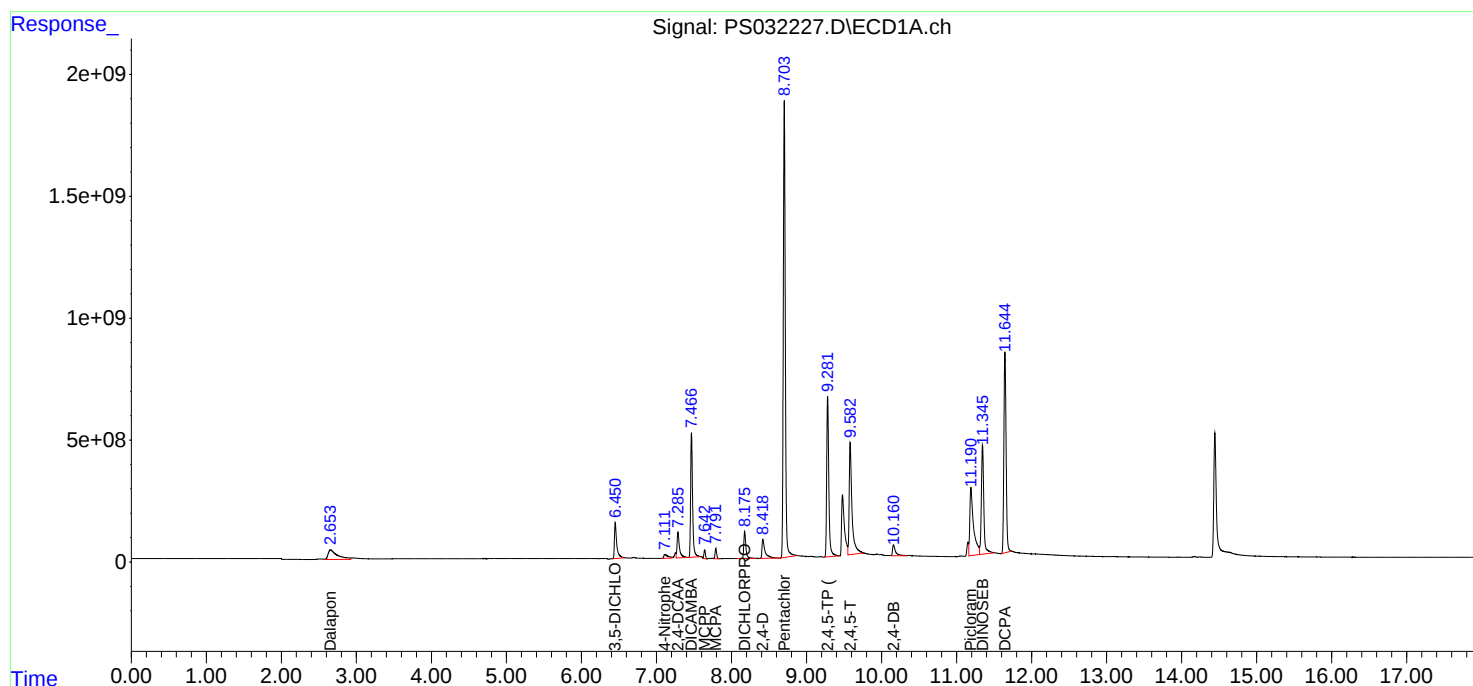
Instrument :
ECD_S
ClientSampleId :
HSTDICC500

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 11/04/2025
Supervised By :Yogesh Patel 11/04/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 03 10:59:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110325.M
Quant Title : 8080.M
QLast Update : Mon Nov 03 10:53:30 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\PS110325\
 Data File : PS032228.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 03 Nov 2025 10:28
 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: Nov 03 10:55:40 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110325.M
 Quant Title : 8080.M
 QLast Update : Mon Nov 03 10:53:30 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	7.283	7.617	3403.8E6	2764.7E6	750.000	750.000
Target Compounds							
1) T	Dalapon	2.654	2.603	4968.0E6	4797.3E6	682.500	682.500
2) T	3,5-DICHL...	6.449	6.585	4549.4E6	4236.1E6	697.500	697.500
3) T	4-Nitroph...	7.102	7.182	971.2E6	1697.8E6	682.500	682.500
5) T	DICAMBA	7.466	7.808	13541.9E6	12431.7E6	705.000	705.000
6) T	MCPD	7.644	7.906	822.2E6	987.3E6	70.500	70.500
7) T	MCPA	7.793	8.151	985.6E6	1203.1E6	69.750	69.750
8) T	DICHLORPROP	8.174	8.522	3083.9E6	3370.0E6	705.000	705.000
9) T	2,4-D	8.414	8.864	3176.8E6	3779.0E6	705.000	705.000
10) T	Pentachlo...	8.708	9.356	47144.9E6	44048.2E6	712.500	712.500
11) T	2,4,5-TP ...	9.280	9.744	18800.3E6	19461.3E6	712.500	712.500
12) T	2,4,5-T	9.578	10.172	17510.6E6	17530.3E6	712.500	712.500
13) T	2,4-DB	10.155	10.737	1942.1E6	2734.4E6	712.500	712.500
14) T	DINOSEB	11.345	11.105	14710.5E6	12603.2E6	705.000	705.000
15) T	Picloram	11.184	12.223	16731.9E6	27897.3E6	712.500	712.500
16) T	DCPA	11.644	12.140	24393.8E6	23237.1E6	720.000	720.000

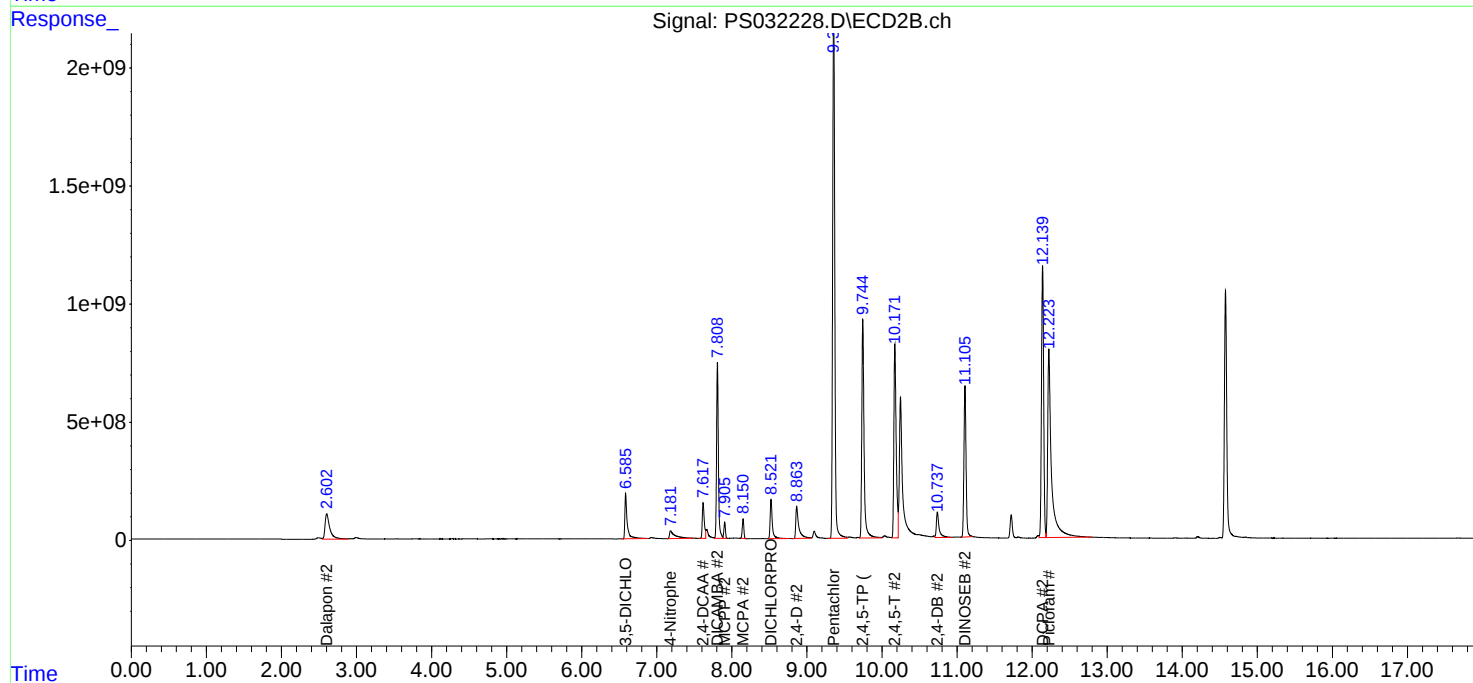
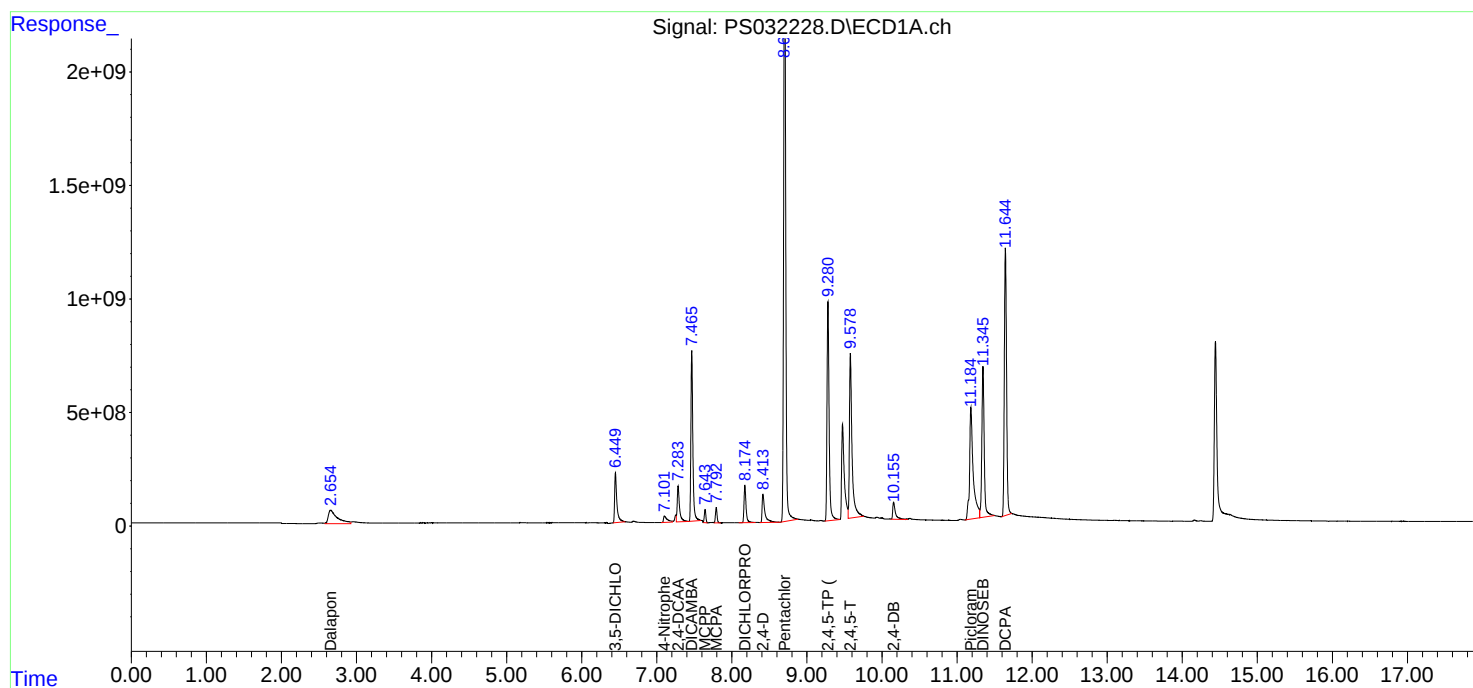
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS110325\
Data File : PS032228.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Nov 2025 10:28
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: Nov 03 10:55:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110325.M
Quant Title : 8080.M
QLast Update : Mon Nov 03 10:53:30 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\PS110325\
 Data File : PS032229.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 03 Nov 2025 10:52
 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: Nov 03 11:17:08 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110325.M
 Quant Title : 8080.M
 QLast Update : Mon Nov 03 11:16:51 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	7.283	7.616	4190.2E6	3472.6E6	903.284	940.429
Target Compounds							
1) T	Dalapon	2.656	2.602	6210.6E6	6022.7E6	850.725	853.209
2) T	3,5-DICHL...	6.449	6.583	5633.8E6	5191.8E6	849.611	841.969
3) T	4-Nitroph...	7.097	7.175	1248.6E6	2135.6E6	945.335	971.134
5) T	DICAMBA	7.465	7.808	16786.0E6	15343.3E6	869.694	867.949
6) T	MCPD	7.645	7.906	1080.3E6	1263.3E6	102.057	96.010
7) T	MCPA	7.794	8.152	1288.7E6	1484.9E6	97.842	91.633
8) T	DICHLORPROP	8.173	8.521	3810.5E6	4135.8E6	830.973	844.312
9) T	2,4-D	8.411	8.861	3903.6E6	4617.2E6	840.779	859.321
10) T	Pentachlo...	8.710	9.357	51965.4E6	49727.7E6	765.283	785.431
11) T	2,4,5-TP ...	9.280	9.743	23125.9E6	23645.5E6	864.969	851.906
12) T	2,4,5-T	9.577	10.170	21714.3E6	21664.0E6	893.144	895.493
13) T	2,4-DB	10.153	10.735	2485.0E6	3509.0E6	947.357	921.523
14) T	DINOSEB	11.345	11.105	18021.1E6	15536.2E6	838.520	854.935
15) T	Picloram	11.180	12.219	21581.6E6	33749.5E6	1041.582	880.155
16) T	DCPA	11.646	12.139	29674.3E6	27812.7E6	855.170	837.478

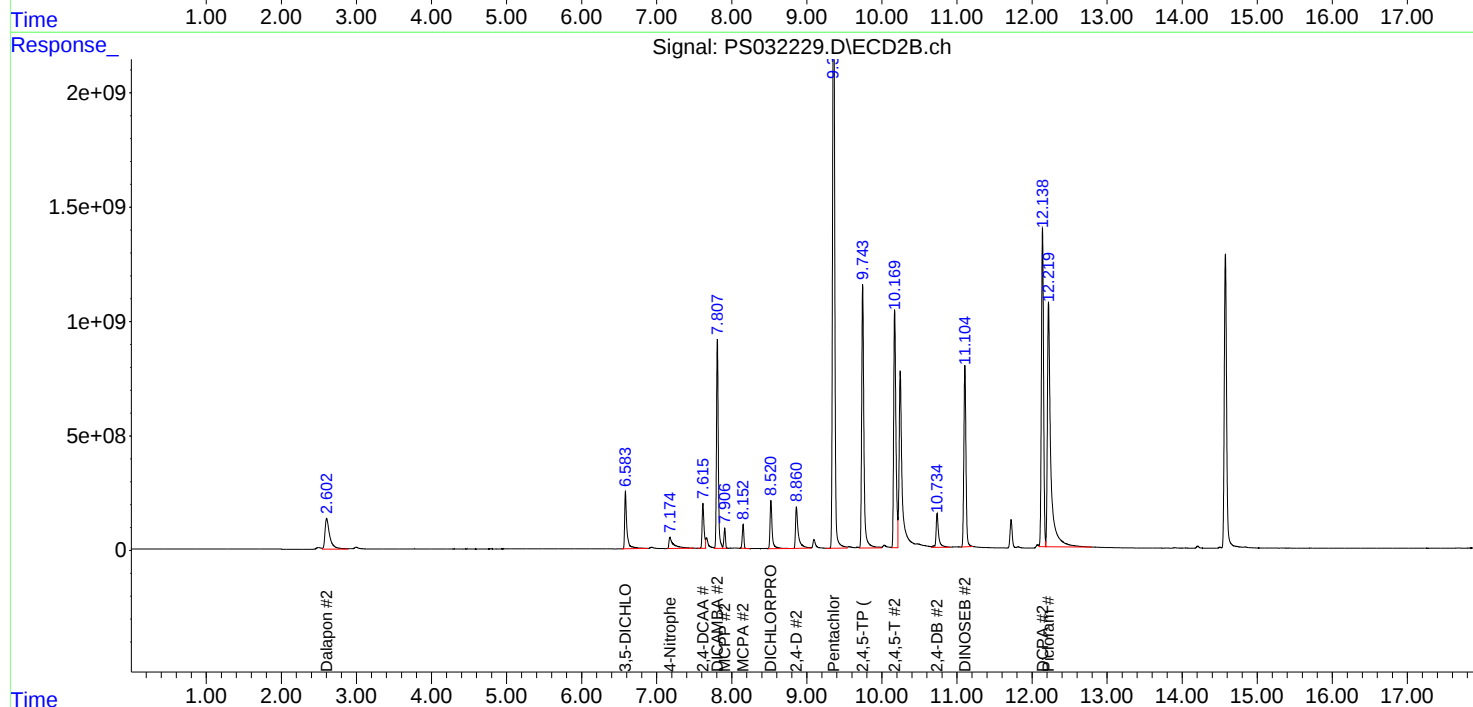
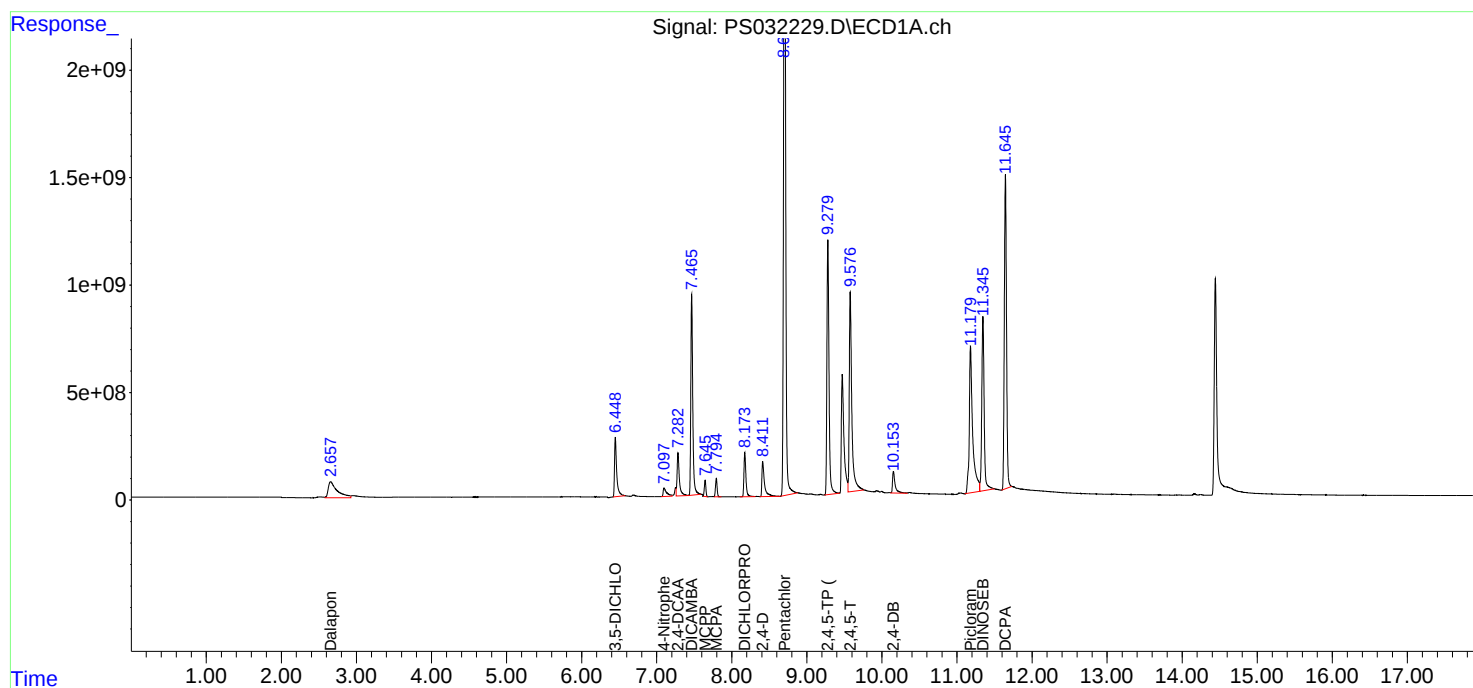
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS110325\
Data File : PS032229.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Nov 2025 10:52
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: Nov 03 11:17:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110325.M
Quant Title : 8080.M
QLast Update : Mon Nov 03 11:16:51 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\PS110325\
 Data File : PS032230.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 03 Nov 2025 11:17
 Operator : AR\AJ
 Sample : HSTDICC1500
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 HSTDICC1500

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 11/04/2025
 Supervised By :Yogesh Patel 11/04/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 03 11:43:22 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110325.M
 Quant Title : 8080.M
 QLast Update : Mon Nov 03 11:42:45 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	7.281	7.614	6151.7E6	5185.7E6	1370.225m	1422.499
Target Compounds							
1) T	Dalapon	2.653	2.603	9135.3E6	8919.5E6	1272.540	1282.640
2) T	3,5-DICHL...	6.448	6.582	8100.4E6	7504.9E6	1252.732	1248.958
3) T	4-Nitroph...	7.091	7.167	1950.4E6	2988.6E6	1452.886	1316.604
5) T	DICAMBA	7.466	7.807	24148.7E6	22069.0E6	1280.000	1277.702
6) T	MCPD	7.648	7.910	1707.7E6	1955.9E6	156.814	147.049
7) T	MCPA	7.798	8.156	2015.2E6	2330.0E6	150.102	142.907
8) T	DICHLORPROP	8.173	8.520	5501.4E6	5995.2E6	1236.606	1257.087
9) T	2,4-D	8.409	8.858	5622.6E6	6677.9E6	1246.199	1273.028
10) T	Pentachlo...	8.711	9.356	59966.1E6	57374.2E6	955.800	977.369
11) T	2,4,5-TP ...	9.279	9.742	32936.2E6	33124.7E6	1266.215	1233.516
12) T	2,4,5-T	9.575	10.168	31268.1E6	31095.1E6	1311.678	1311.033
13) T	2,4-DB	10.151	10.732	3823.7E6	5166.2E6	1451.058	1369.860
14) T	DINOSEB	11.345	11.104	25480.8E6	22203.6E6	1224.592	1255.338
15) T	Picloram	11.175	12.215	33128.0E6	46356.2E6	1560.758	1246.734
16) T	DCPA	11.646	12.138	41703.3E6	38105.8E6	1242.942	1196.020

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS110325\
Data File : PS032230.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Nov 2025 11:17
Operator : AR\AJ
Sample : HSTDICC1500
Misc :
ALS Vial : 7 Sample Multiplier: 1

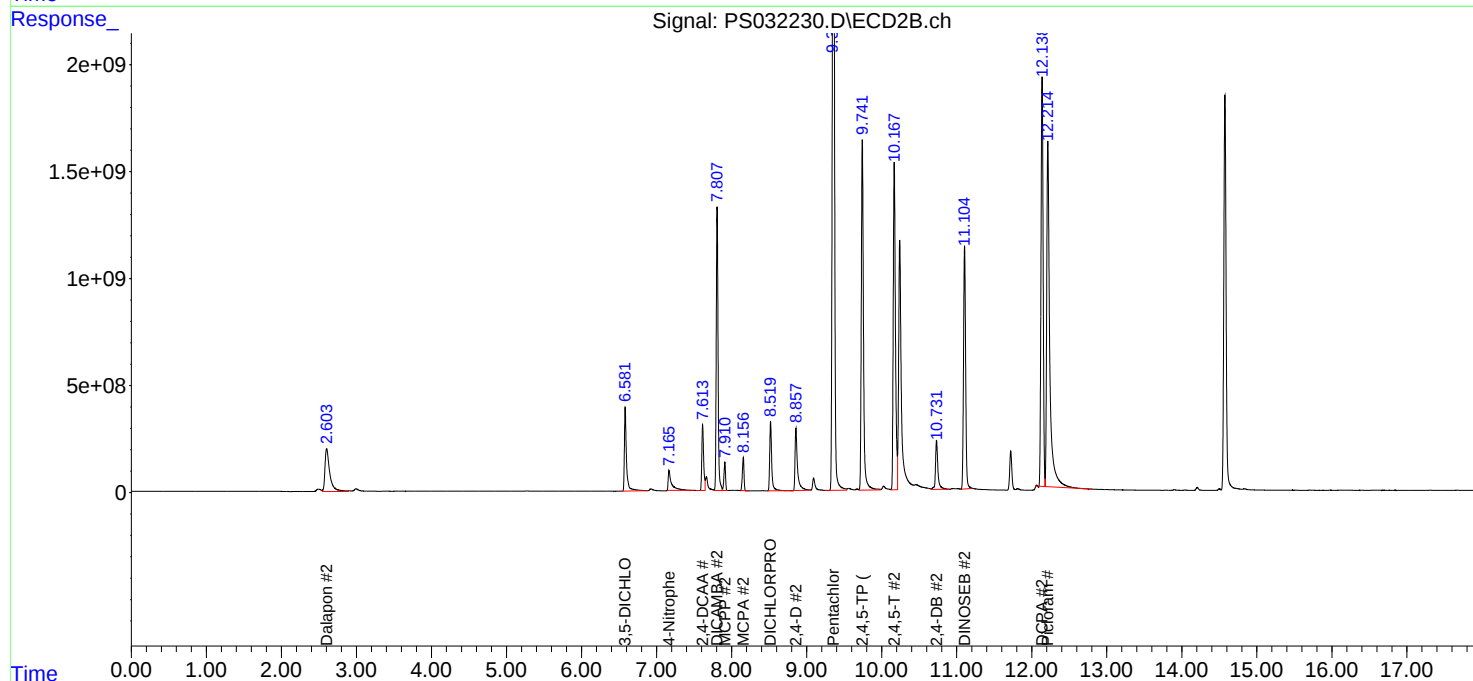
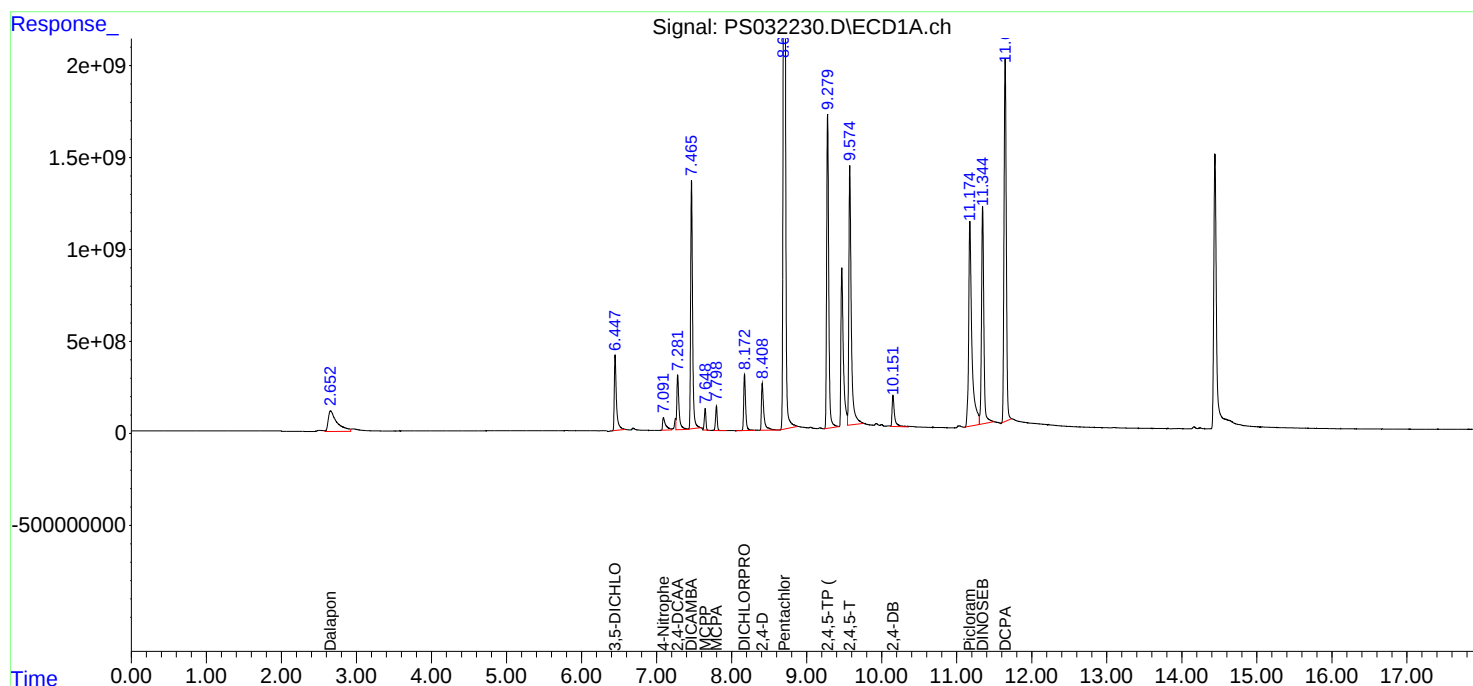
Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 11/04/2025
Supervised By :Yogesh Patel 11/04/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 03 11:43:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110325.M
Quant Title : 8080.M
QLast Update : Mon Nov 03 11:42:45 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\PS110325\
 Data File : PS032231.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 03 Nov 2025 11:47
 Operator : AR\AJ
 Sample : HSTDICV750
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 ICVPS110325

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 04 05:38:54 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110325.M
 Quant Title : 8080.M
 QLast Update : Tue Nov 04 04:59:50 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	7.286	7.616	3432.7E6	2806.6E6	757.554	769.869
Target Compounds							
1) T	Dalapon	2.656	2.599	5081.3E6	4849.7E6	707.821	697.398
2) T	3,5-DICHL...	6.451	6.584	4593.9E6	4286.0E6	710.440	713.274
3) T	4-Nitroph...	7.103	7.182	973.3E6	1705.9E6	725.046	751.543
5) T	DICAMBA	7.468	7.807	13656.4E6	12625.4E6	723.856	730.956
6) T	MCPD	7.646	7.905	811.2E6	999.6E6	74.486	75.150
7) T	MCPA	7.795	8.149	988.5E6	1208.9E6	73.630	74.144
8) T	DICHLORPROP	8.177	8.521	3094.2E6	3424.1E6	695.524	717.961
9) T	2,4-D	8.416	8.863	3236.7E6	3801.8E6	717.385	724.752
10) T	Pentachlo...	8.710	9.356	47244.8E6	44534.3E6	753.036	758.641
11) T	2,4,5-TP ...	9.283	9.744	18925.2E6	19659.7E6	727.567	732.097
12) T	2,4,5-T	9.582	10.171	17553.4E6	17693.3E6	736.355	745.984
13) T	2,4-DB	10.159	10.737	1946.2E6	2756.4E6	738.571	730.890
14) T	DINOSEB	11.348	11.105	14890.0E6	12738.6E6	715.604	720.206
15) T	Picloram	11.187	12.223	16941.7E6	28138.8E6	798.176	756.783
16) T	DCPA	11.648	12.139	24590.8E6	23503.0E6	732.913	737.682

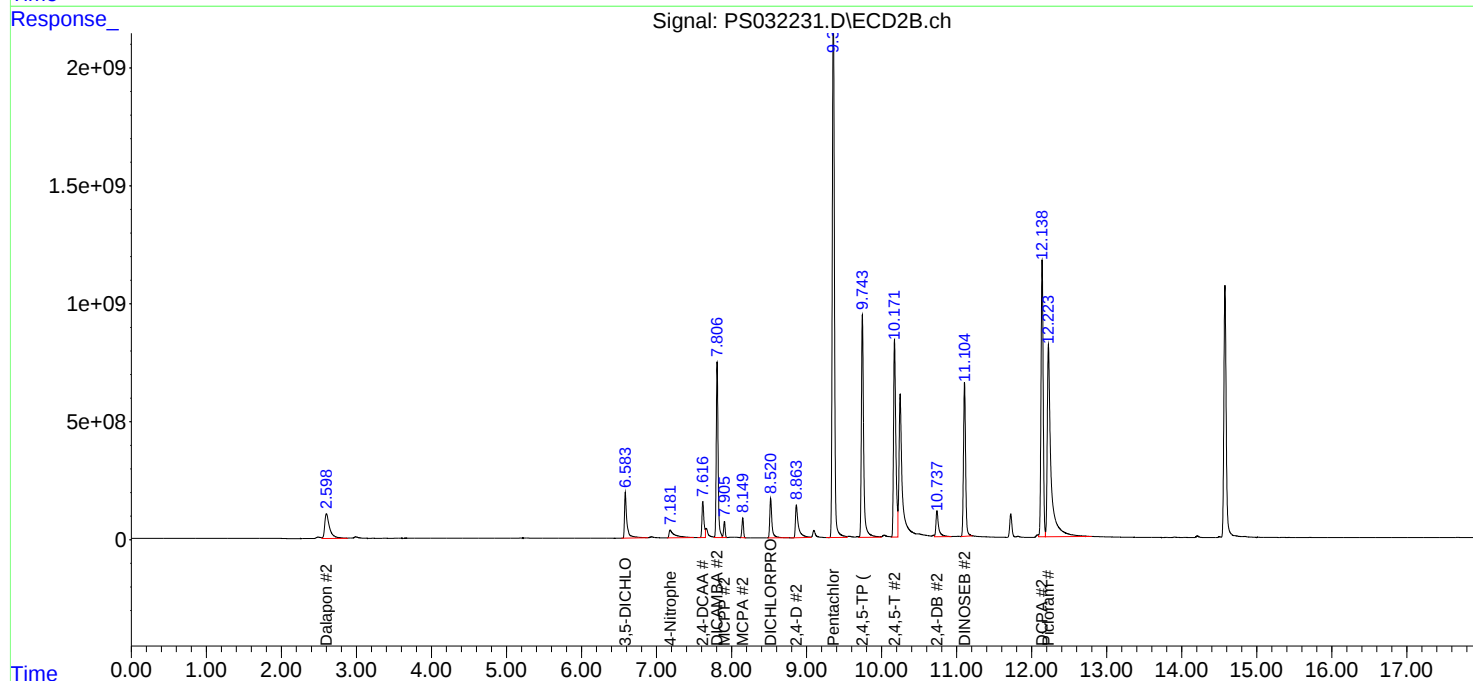
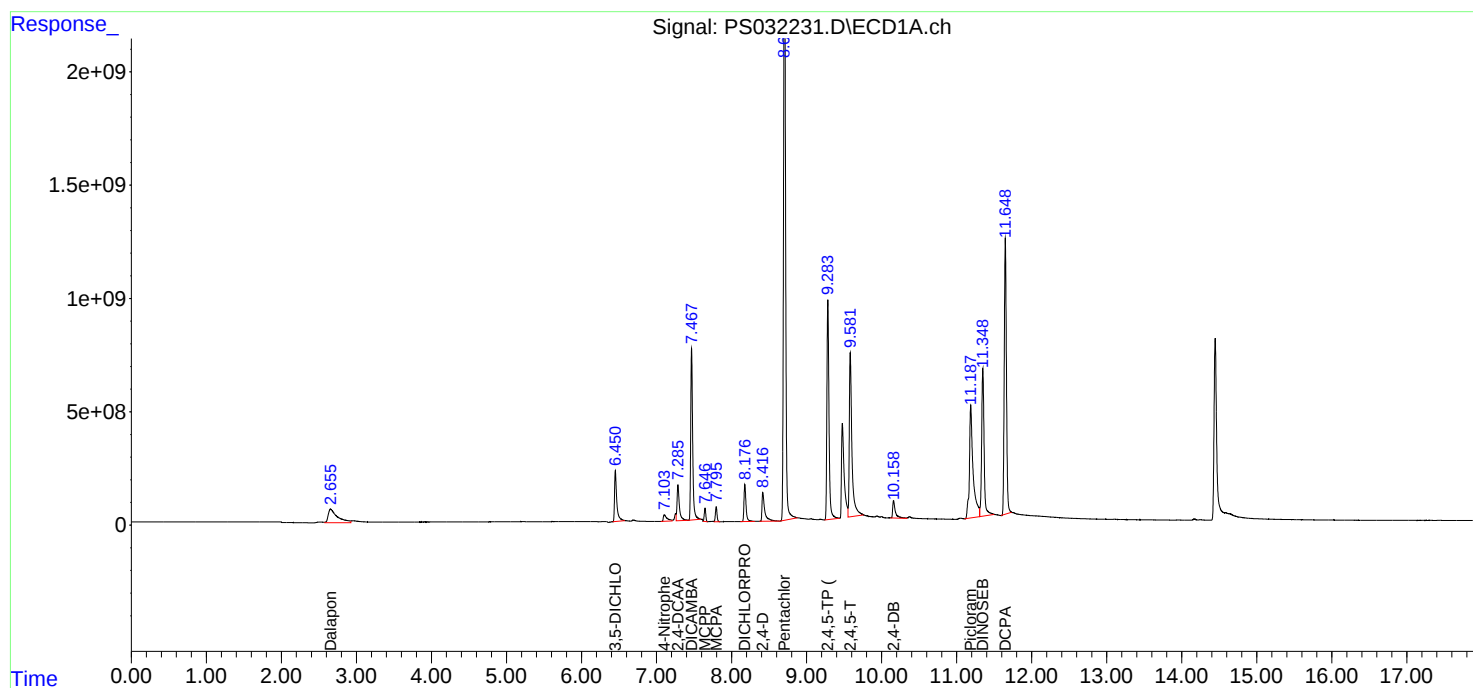
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS110325\
Data File : PS032231.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Nov 2025 11:47
Operator : AR\AJ
Sample : HSTDICV750
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
ICVPS110325

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 04 05:38:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110325.M
Quant Title : 8080.M
QLast Update : Tue Nov 04 04:59:50 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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: ROMA02

Lab Code: ACE

SDG NO.: Q3604

Continuing Calib Date: 11/12/2025

Initial Calibration Date(s): 11/03/2025 11/03/2025

Continuing Calib Time: 20:28

Initial Calibration Time(s): 09:40 11:17

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
2,4-DCAA	7.28	7.28	7.18	7.38	0.00
2,4-D	8.41	8.41	8.31	8.51	0.00
2,4,5-TP(Silvex)	9.28	9.28	9.18	9.38	0.00



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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: ROMA02

Lab Code: ACE

SDG NO.: Q3604

Continuing Calib Date: 11/12/2025

Initial Calibration Date(s): 11/03/2025 11/03/2025

Continuing Calib Time: 20:28

Initial Calibration Time(s): 09:40 11:17

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
2,4-DCAA	7.62	7.62	7.52	7.72	0.01
2,4-D	8.86	8.86	8.76	8.96	0.00
2,4,5-TP(Silvex)	9.75	9.74	9.64	9.84	0.00



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ROMA02
Lab Code: ACE **SDG NO.:** Q3604
GC Column: RTX-CLP **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 11/03/2025 11/03/2025

Client Sample No.: CCAL01 **Date Analyzed:** 11/12/2025
Lab Sample No.: HSTDCCC750 **Data File :** PS032383.D **Time Analyzed:** 20:28

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-TP(Silvex)	9.276	9.180	9.380	760.790	712.500	6.8
2,4-D	8.410	8.314	8.514	748.450	705.000	6.2
2,4-DCAA	7.282	7.183	7.383	790.220	750.000	5.4



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ROMA02
Lab Code: ACE **SDG NO.:** Q3604
GC Column: RTX-CLP2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 11/03/2025 11/03/2025

Client Sample No.: CCAL01 **Date Analyzed:** 11/12/2025
Lab Sample No.: HSTDCCC750 **Data File :** PS032383.D **Time Analyzed:** 20:28

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-TP(Silvex)	9.745	9.644	9.844	754.130	712.500	5.8
2,4-D	8.863	8.764	8.964	752.680	705.000	6.8
2,4-DCAA	7.615	7.517	7.717	822.760	750.000	9.7

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS111225\
 Data File : PS032383.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 12 Nov 2025 20:28
 Operator : AR\AJ
 Sample : HSTDCCC750
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

HSTDCCC750

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 11/13/2025

Supervised By :Yogesh Patel 11/13/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 12 21:16:06 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110325.M
 Quant Title : 8080.M
 QLast Update : Tue Nov 04 04:59:50 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	7.282	7.615	3580.7E6	2999.4E6	790.217	822.764m
Target Compounds							
1) T	Dalapon	2.655	2.602	4663.0E6	4548.4E6	649.561	654.074
2) T	3,5-DICHL...	6.448	6.584	4838.9E6	4525.9E6	748.332	753.197
3) T	4-Nitroph...	7.102	7.181	988.9E6	1766.1E6	736.597	778.050
5) T	DICAMBA	7.463	7.808	14297.0E6	13132.2E6	757.810	760.300
6) T	MCPD	7.641	7.905	839.2E6	1053.3E6	77.059	79.190
7) T	MCPA	7.790	8.149	1051.3E6	1279.7E6	78.305	78.489m
8) T	DICHLORPROP	8.170	8.521	3251.5E6	3611.3E6	730.874	757.212
9) T	2,4-D	8.410	8.863	3376.8E6	3948.3E6	748.445	752.679
10) T	Pentachlo...	8.705	9.357	48480.8E6	45143.7E6	772.735	769.023
11) T	2,4,5-TP ...	9.276	9.745	19789.3E6	20251.4E6	760.789	754.132
12) T	2,4,5-T	9.575	10.172	18692.3E6	18331.5E6	784.130	772.893
13) T	2,4-DB	10.152	10.738	2075.4E6	2863.0E6	787.609	759.154
14) T	DINOSEB	11.340	11.105	15245.6E6	13047.7E6	732.695	737.684
15) T	Picloram	11.182	12.227	14182.8E6	21158.8E6	668.192m	569.060
16) T	DCPA	11.640	12.140	25836.3E6	24213.7E6	770.035	759.990

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS111225\
Data File : PS032383.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Nov 2025 20:28
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

HSTDCCC750

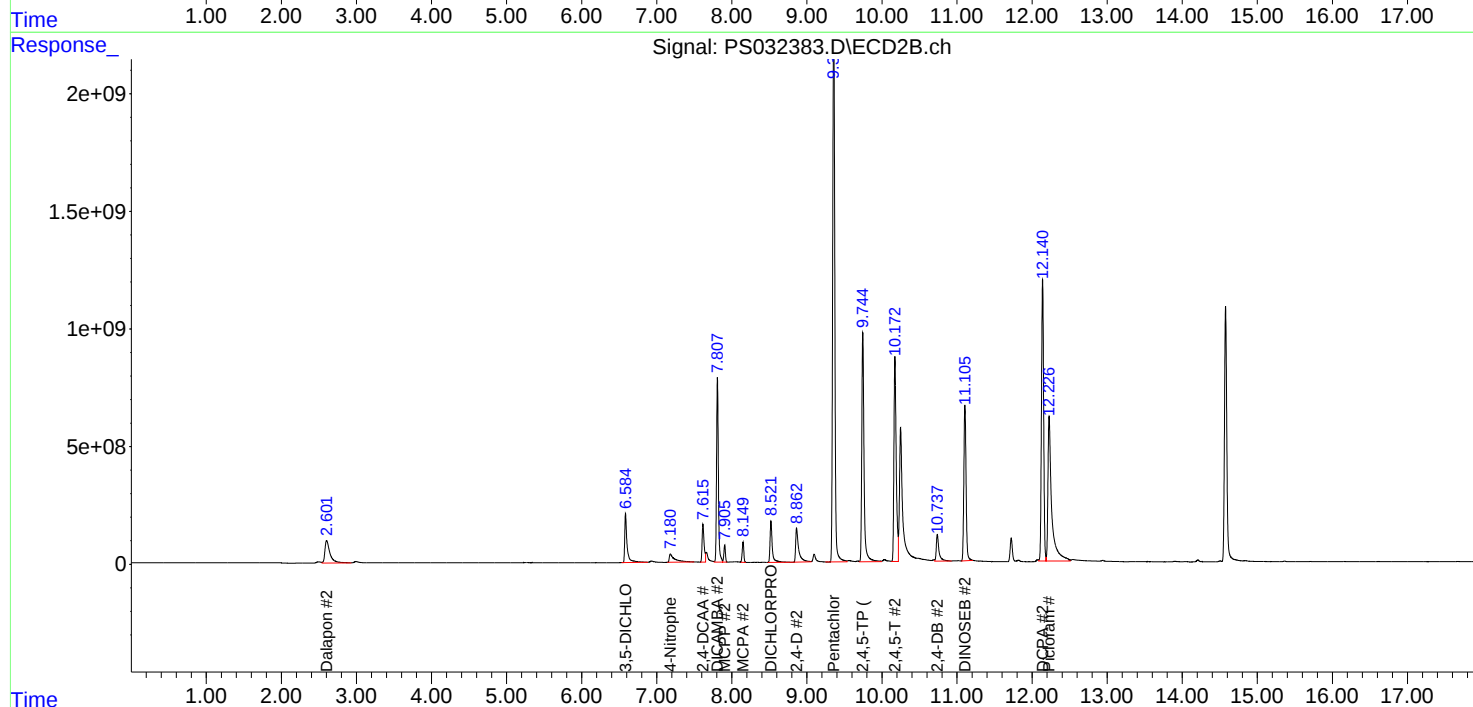
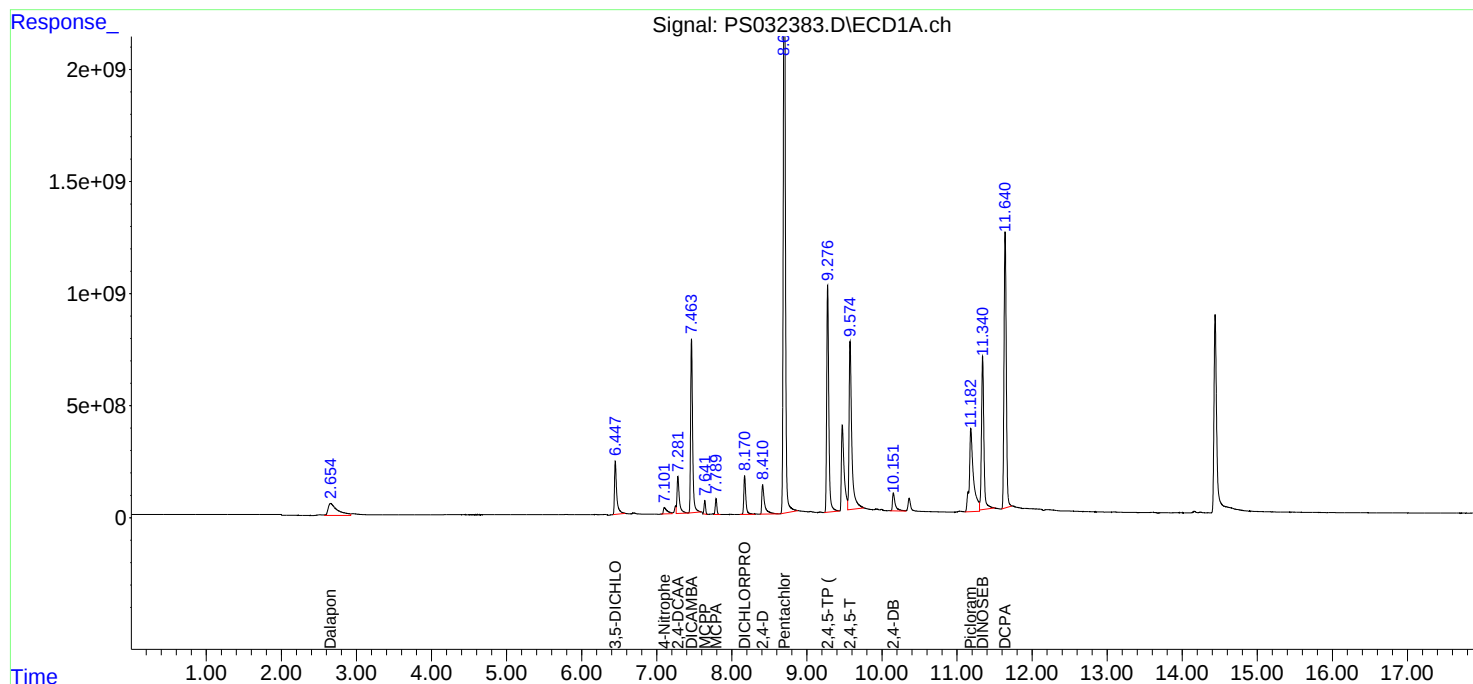
Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 11/13/2025
Supervised By :Yogesh Patel 11/13/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 12 21:16:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110325.M
Quant Title : 8080.M
QLast Update : Tue Nov 04 04:59:50 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:** ROMA02**Lab Code:** ACE**SDG NO.:** Q3604**Continuing Calib Date:** 11/13/2025**Initial Calibration Date(s):** 11/03/2025 11/03/2025**Continuing Calib Time:** 01:17**Initial Calibration Time(s):** 09:40 11:17**GC Column:** RTX-CLP **ID:** 0.32 (mm)

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
2,4-DCAA	7.28	7.28	7.18	7.38	0.00
2,4-D	8.41	8.41	8.31	8.51	0.00
2,4,5-TP(Silvex)	9.28	9.28	9.18	9.38	0.00



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: ROMA02

Lab Code: ACE

SDG NO.: Q3604

Continuing Calib Date: 11/13/2025

Initial Calibration Date(s): 11/03/2025 11/03/2025

Continuing Calib Time: 01:17

Initial Calibration Time(s): 09:40 11:17

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
2,4-DCAA	7.62	7.62	7.52	7.72	0.00
2,4-D	8.87	8.86	8.76	8.96	-0.01
2,4,5-TP(Silvex)	9.75	9.74	9.64	9.84	0.00



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ROMA02
Lab Code: ACE **SDG NO.:** Q3604
GC Column: RTX-CLP **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 11/03/2025 11/03/2025

Client Sample No.: CCAL02 **Date Analyzed:** 11/13/2025
Lab Sample No.: HSTDCCC750 **Data File :** PS032392.D **Time Analyzed:** 01:17

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
2,4,5-TP(Silvex)	9.276	9.180	9.380	776.890	712.500	9.0
2,4-D	8.411	8.314	8.514	757.130	705.000	7.4
2,4-DCAA	7.282	7.183	7.383	808.580	750.000	7.8



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ROMA02
Lab Code: ACE **SDG NO.:** Q3604
GC Column: RTX-CLP2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 11/03/2025 11/03/2025

Client Sample No.: CCAL02 **Date Analyzed:** 11/13/2025
Lab Sample No.: HSTDCCC750 **Data File :** PS032392.D **Time Analyzed:** 01:17

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-TP(Silvex)	9.745	9.644	9.844	758.490	712.500	6.5
2,4-D	8.866	8.764	8.964	750.930	705.000	6.5
2,4-DCAA	7.617	7.517	7.717	801.960	750.000	6.9

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS111225\
 Data File : PS032392.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 13 Nov 2025 01:17
 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: Nov 13 10:51:34 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110325.M
 Quant Title : 8080.M
 QLast Update : Tue Nov 04 04:59:50 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	7.282	7.617	3663.9E6	2923.6E6	808.577	801.963
Target Compounds							
1) T	Dalapon	2.654	2.603	4620.6E6	4483.4E6	643.654	644.723
2) T	3,5-DICHL...	6.448	6.586	4923.3E6	4556.7E6	761.395	758.327
3) T	4-Nitroph...	7.104	7.186	978.2E6	1723.9E6	728.664	759.458
5) T	DICAMBA	7.464	7.808	14562.8E6	13223.6E6	771.901	765.586
6) T	MCPD	7.641	7.905	861.2E6	1069.1E6	79.077	80.377
7) T	MCPA	7.789	8.150	1066.4E6	1270.7E6	79.427	77.936
8) T	DICHLORPROP	8.171	8.522	3315.7E6	3640.7E6	745.298	763.393
9) T	2,4-D	8.411	8.866	3416.0E6	3939.1E6	757.127	750.929
10) T	Pentachlo...	8.705	9.357	49028.9E6	45432.9E6	781.472	773.950
11) T	2,4,5-TP ...	9.276	9.745	20208.0E6	20368.4E6	776.886	758.488
12) T	2,4,5-T	9.576	10.174	18959.1E6	18250.4E6	795.323	769.475
13) T	2,4-DB	10.153	10.739	2032.3E6	2852.9E6	771.245	756.461
14) T	DINOSEB	11.341	11.106	15494.6E6	12936.3E6	744.661	731.388
15) T	Picloram	11.184	12.228	13854.3E6	24198.8E6	652.716	650.818
16) T	DCPA	11.640	12.140	26299.5E6	24614.4E6	783.841	772.566

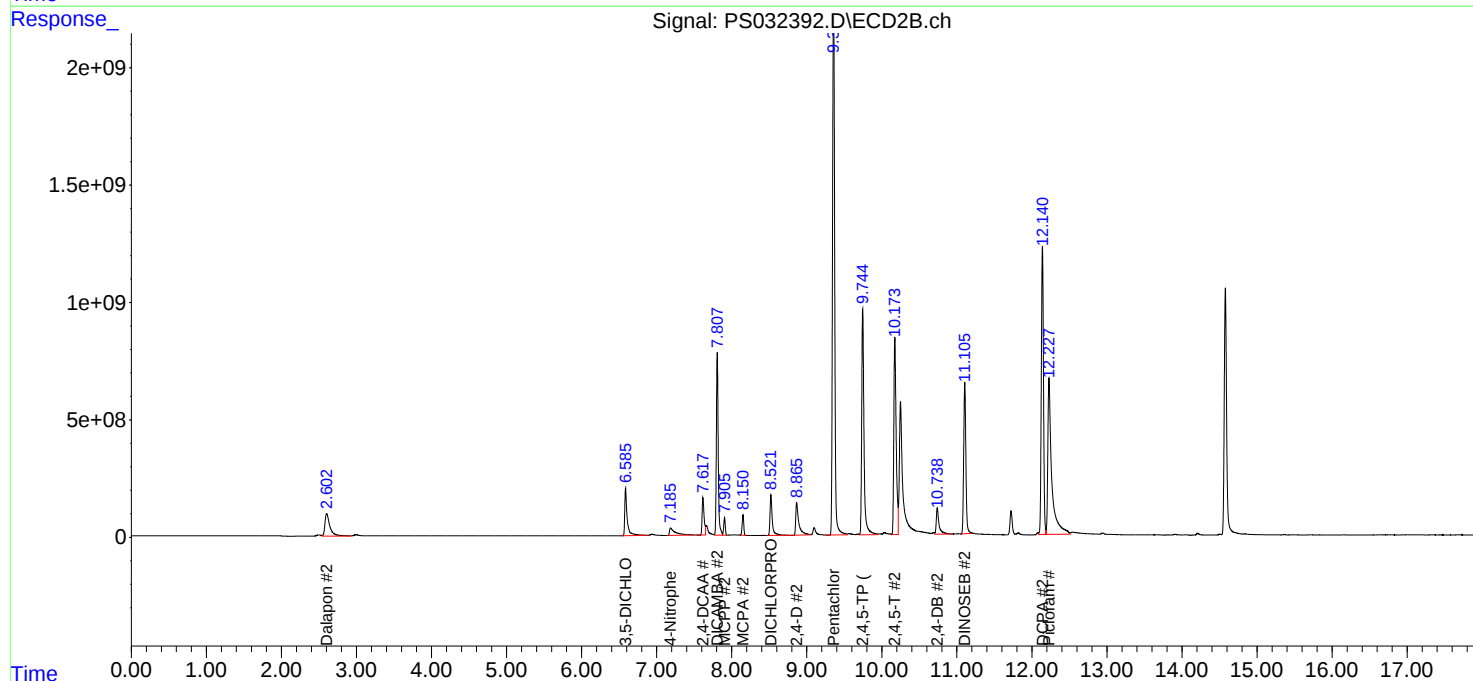
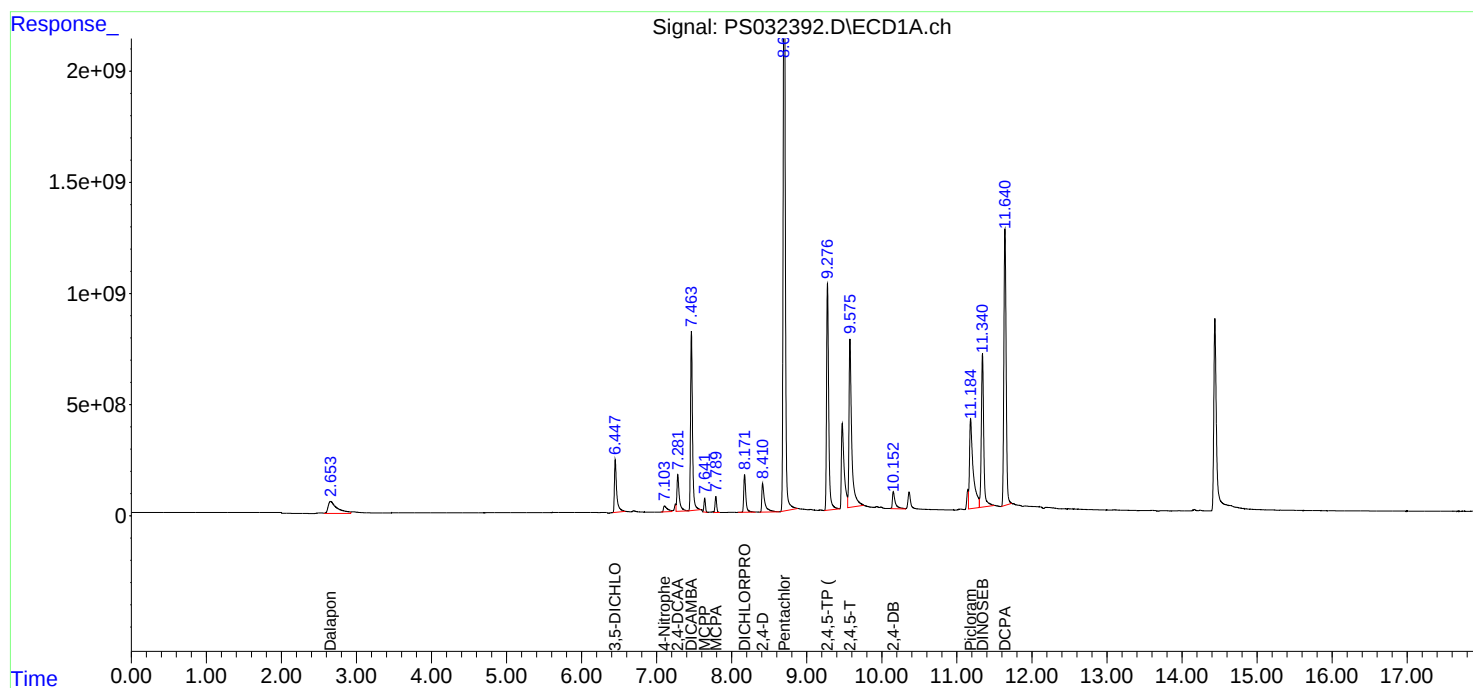
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS111225\
Data File : PS032392.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Nov 2025 01:17
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: Nov 13 10:51:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110325.M
Quant Title : 8080.M
QLast Update : Tue Nov 04 04:59:50 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



Analytical Sequence

Client: Roman E&G Corp	SDG No.: Q3604
Project: MCUA - New Brunswick	Instrument ID: ECD_S
GC Column: RTX-CLP	ID: 0.32 (mm) Inst. Calib. Date(s): 11/03/2025 11/03/2025

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	11/03/2025	09:16	PS032225.D	7.29	0.00
HSTDICC200	HSTDICC200	11/03/2025	09:40	PS032226.D	7.29	0.00
HSTDICC500	HSTDICC500	11/03/2025	10:04	PS032227.D	7.29	0.00
HSTDICC750	HSTDICC750	11/03/2025	10:28	PS032228.D	7.28	0.00
HSTDICC1000	HSTDICC1000	11/03/2025	10:52	PS032229.D	7.28	0.00
HSTDICC1500	HSTDICC1500	11/03/2025	11:17	PS032230.D	7.28	0.00
IBLK	IBLK	11/12/2025	20:04	PS032382.D	7.29	0.00
HSTDCCC750	HSTDCCC750	11/12/2025	20:28	PS032383.D	7.28	0.00
PB170516BL	PB170516BL	11/12/2025	21:40	PS032384.D	7.28	0.00
PB170516BS	PB170516BS	11/12/2025	22:04	PS032385.D	7.28	0.00
PB170493TB	PB170493TB	11/12/2025	22:28	PS032386.D	7.28	0.00
S-1	Q3604-01	11/12/2025	22:52	PS032387.D	7.28	0.00
S-1MS	Q3604-01MS	11/12/2025	23:17	PS032388.D	7.28	0.00
S-1MSD	Q3604-01MSD	11/12/2025	23:41	PS032389.D	7.28	0.00
S-2	Q3604-02	11/13/2025	00:05	PS032390.D	7.28	0.00
IBLK	IBLK	11/13/2025	00:29	PS032391.D	7.29	0.00
HSTDCCC750	HSTDCCC750	11/13/2025	01:17	PS032392.D	7.28	0.00

Analytical Sequence

Client: Roman E&G Corp	SDG No.: Q3604
Project: MCUA - New Brunswick	Instrument ID: ECD_S
GC Column: RTX-CLP2	ID: 0.32 (mm) Inst. Calib. Date(s): 11/03/2025 11/03/2025

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	11/03/2025	09:16	PS032225.D	7.63	0.00
HSTDICC200	HSTDICC200	11/03/2025	09:40	PS032226.D	7.63	0.00
HSTDICC500	HSTDICC500	11/03/2025	10:04	PS032227.D	7.62	0.00
HSTDICC750	HSTDICC750	11/03/2025	10:28	PS032228.D	7.62	0.00
HSTDICC1000	HSTDICC1000	11/03/2025	10:52	PS032229.D	7.62	0.00
HSTDICC1500	HSTDICC1500	11/03/2025	11:17	PS032230.D	7.61	0.00
IBLK	IBLK	11/12/2025	20:04	PS032382.D	7.63	0.00
HSTDCCC750	HSTDCCC750	11/12/2025	20:28	PS032383.D	7.62	0.00
PB170516BL	PB170516BL	11/12/2025	21:40	PS032384.D	7.61	0.00
PB170516BS	PB170516BS	11/12/2025	22:04	PS032385.D	7.62	0.00
PB170493TB	PB170493TB	11/12/2025	22:28	PS032386.D	7.62	0.00
S-1	Q3604-01	11/12/2025	22:52	PS032387.D	7.62	0.00
S-1MS	Q3604-01MS	11/12/2025	23:17	PS032388.D	7.62	0.00
S-1MSD	Q3604-01MSD	11/12/2025	23:41	PS032389.D	7.62	0.00
S-2	Q3604-02	11/13/2025	00:05	PS032390.D	7.62	0.00
IBLK	IBLK	11/13/2025	00:29	PS032391.D	7.63	0.00
HSTDCCC750	HSTDCCC750	11/13/2025	01:17	PS032392.D	7.62	0.00

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB170516BS

Lab Name: Alliance

Contract: ROMA02

Lab Code: ACE

SDG NO.: Q3604

Lab Sample ID: PB170516BS

Date(s) Analyzed: 11/12/2025 11/12/2025

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		
2,4-D	1	8.41	8.36	8.46	5.40	0
	2	8.87	8.82	8.92	5.40	
2,4,5-TP(Silvex)	1	9.28	9.23	9.33	5.50	0
	2	9.75	9.70	9.80	5.50	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

S-1MS

Lab Name: Alliance

Contract: ROMA02

Lab Code: ACE

SDG NO.: Q3604

Lab Sample ID: Q3604-01MS

Date(s) Analyzed: 11/12/2025 11/12/2025

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		
2,4-D	1	8.42	8.37	8.47	22.7	3.9
	2	8.87	8.82	8.92	23.6	
2,4,5-TP(Silvex)	1	9.28	9.23	9.33	25.6	2
	2	9.75	9.70	9.80	25.1	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

S-1MSD

Lab Name: Alliance

Contract: ROMA02

Lab Code: ACE

SDG NO.: Q3604

Lab Sample ID: Q3604-01MSD

Date(s) Analyzed: 11/12/2025 11/12/2025

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		
2,4-D	1	8.42	8.37	8.47	22.7	20.6
	2	8.87	8.82	8.92	27.9	
2,4,5-TP(Silvex)	1	9.28	9.23	9.33	25.7	39.1
	2	9.75	9.70	9.80	38.2	



QC SAMPLE DATA



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

Report of Analysis

Client:	Roman E&G Corp		Date Collected:	
Project:	MCUA - New Brunswick		Date Received:	
Client Sample ID:	PB170516BL		SDG No.:	Q3604
Lab Sample ID:	PB170516BL		Matrix:	TCLP
Analytical Method:	8151A		% Solid:	0
Sample Wt/Vol:	1000 mL	Final Vol: 10000 uL	Test:	TCLP Herbicide
Prep Method:	8151A	Prep Date: 11/12/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
94-75-7	2,4-D	0.92	U	1	0.92	2.00	ug/L	11/12/25 21:40	PB170516
93-72-1	2,4,5-TP (Silvex)	0.78	U	1	0.78	2.00	ug/L	11/12/25 21:40	PB170516
SURROGATES									
19719-28-9	2,4-DCAA	402			70 (24) - 130 (167)	80%	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\PS111225\
 Data File : PS032384.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 12 Nov 2025 21:40
 Operator : AR\AJ
 Sample : PB170516BL
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 PB170516BL

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 11/13/2025
 Supervised By :Yogesh Patel 11/13/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 13 00:14:36 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110325.M
 Quant Title : 8080.M
 QLast Update : Tue Nov 04 04:59:50 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	7.282	7.614	1820.6E6	883.6E6	401.796	242.373m#

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS111225\
Data File : PS032384.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Nov 2025 21:40
Operator : AR\AJ
Sample : PB170516BL
Misc :
ALS Vial : 15 Sample Multiplier: 1

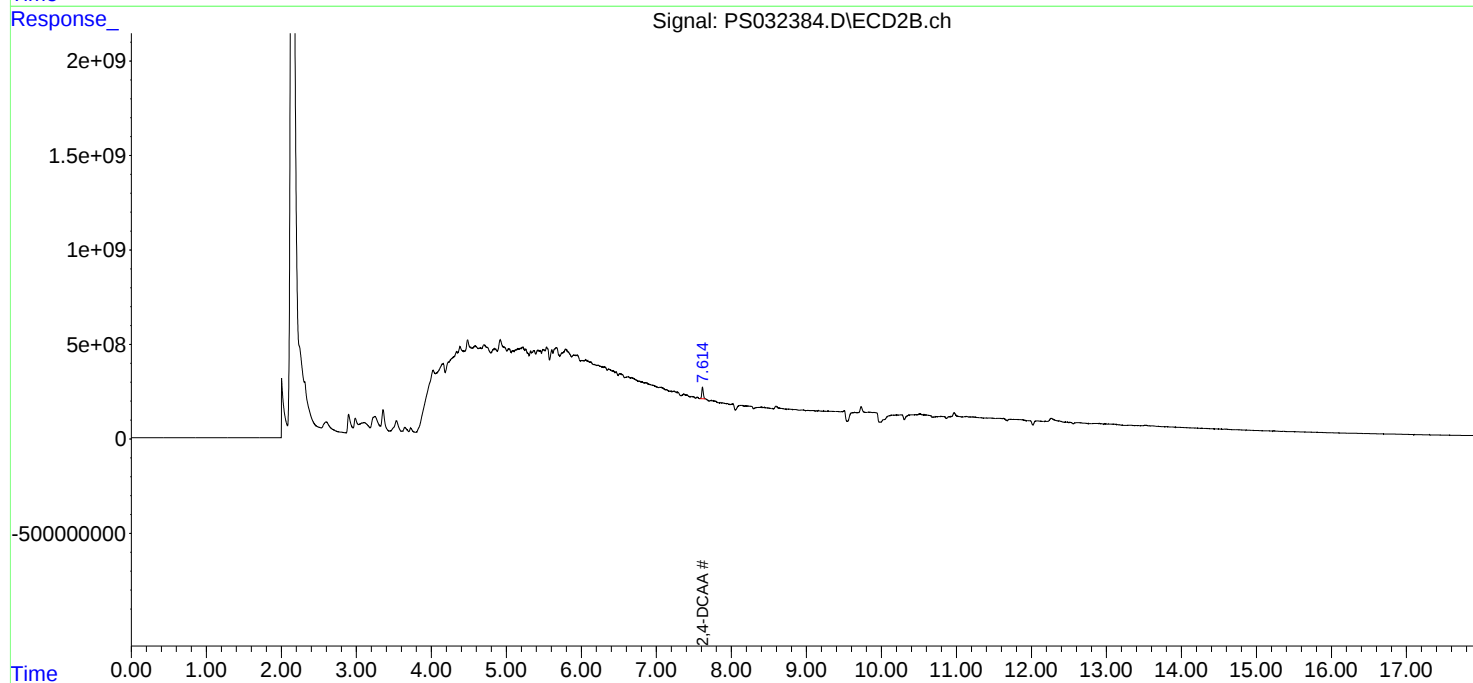
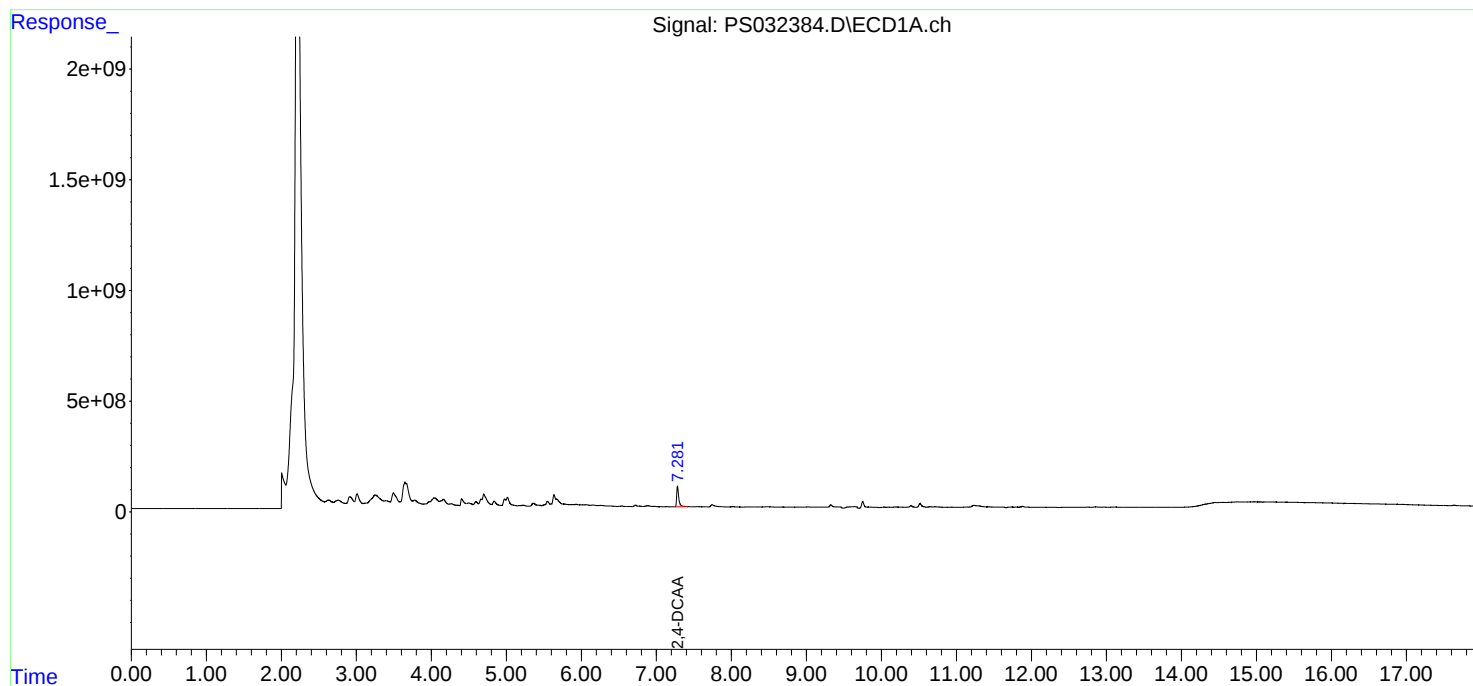
Instrument :
ECD_S
ClientSampleId :
PB170516BL

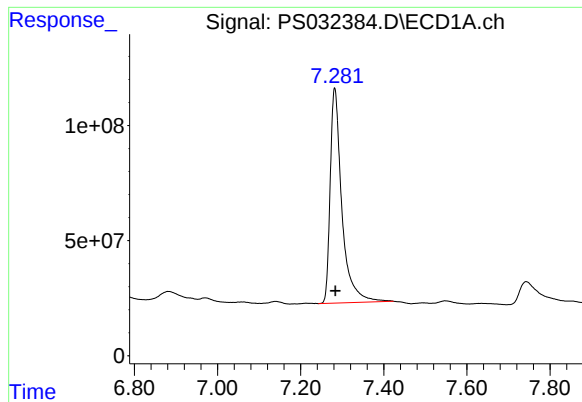
Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 11/13/2025
Supervised By :Yogesh Patel 11/13/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 13 00:14:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110325.M
Quant Title : 8080.M
QLast Update : Tue Nov 04 04:59:50 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





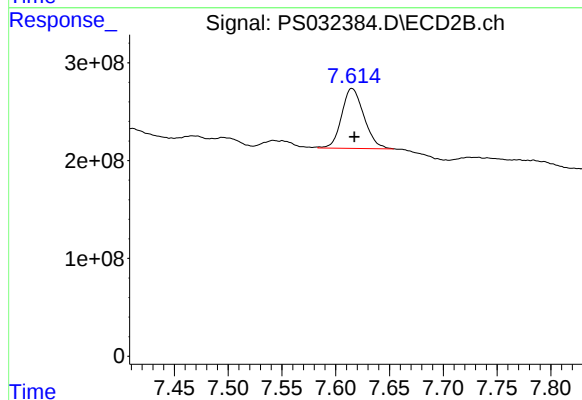
#4 2,4-DCAA

R.T.: 7.282 min
Delta R.T.: -0.001 min
Response: 1820648068
Conc: 401.80 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB170516BL

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 11/13/2025
Supervised By :Yogesh Patel 11/13/2025



#4 2,4-DCAA

R.T.: 7.614 min
Delta R.T.: -0.003 min
Response: 883571467
Conc: 242.37 ng/ml m

Report of Analysis

Client: Roman E&G Corp	Date Collected: 11/03/25	
Project: MCUA - New Brunswick	Date Received: 11/03/25	
Client Sample ID: PIBLK-PS032225.D	SDG No.: Q3604	
Lab Sample ID: I.BLK-PS032225.D	Matrix: TCLP	
Analytical Method: 8151A	% Solid: 0	
Sample Wt/Vol: 1000 mL	Test: TCLP Herbicide	Final Vol: 10000 uL
Prep Method: 8151A		Prep Date:

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
94-75-7	2,4-D	0.92	U	1	0.92	2.00	ug/L	11/03/25	PS110325
93-72-1	2,4,5-TP (Silvex)	0.78	U	1	0.78	2.00	ug/L	11/03/25	PS110325
SURROGATES									
19719-28-9	2,4-DCAA	508			70 (61) - 130 (136)	102%	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\PS110325\
Data File : PS032225.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Nov 2025 09:16
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: Nov 03 11:46:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110325.M
Quant Title : 8080.M
QLast Update : Mon Nov 03 11:45:33 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	7.289	7.626	1657.5E6	1852.7E6	358.675	508.204 #

Target Compounds

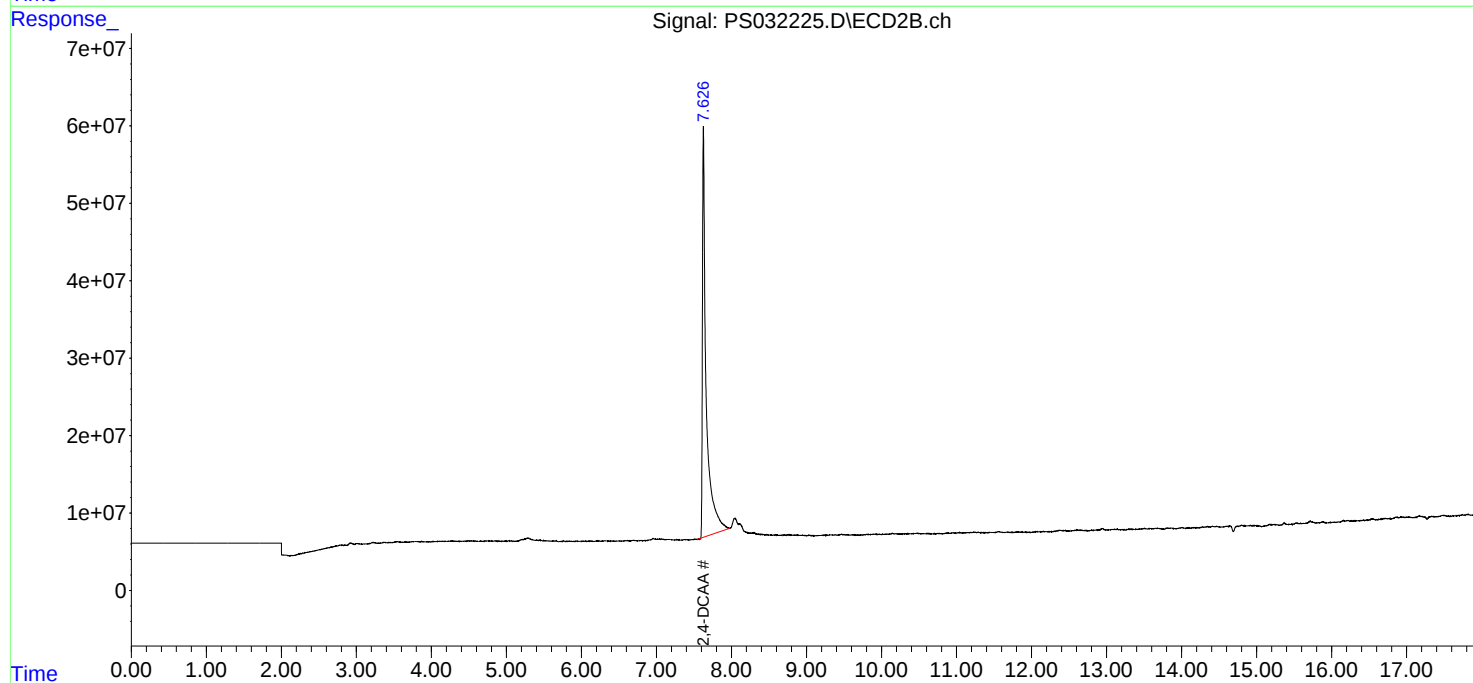
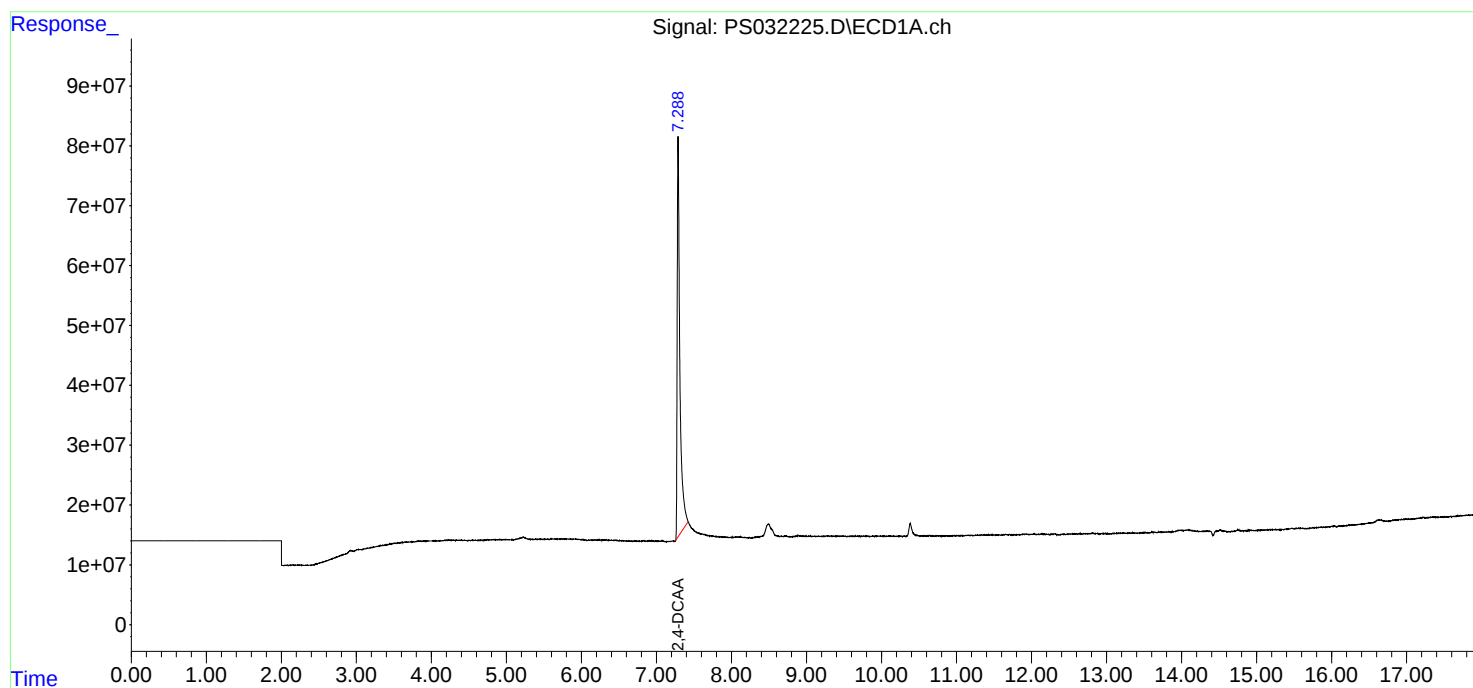
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS110325\
Data File : PS032225.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Nov 2025 09:16
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: Nov 03 11:46:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110325.M
Quant Title : 8080.M
QLast Update : Mon Nov 03 11:45:33 2025
Response via : Initial Calibration
Integrator: ChemStation

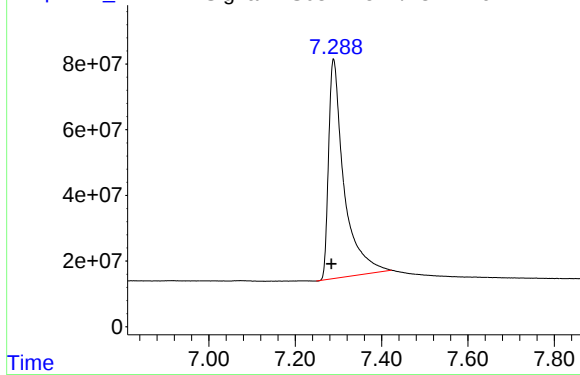
Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x 0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



Response_

Signal: PS032225.D\ECD1A.ch

#4 2,4-DCAA



R.T.: 7.289 min
Delta R.T.: 0.005 min
Response: 1657540723
Conc: 358.68 ng/ml

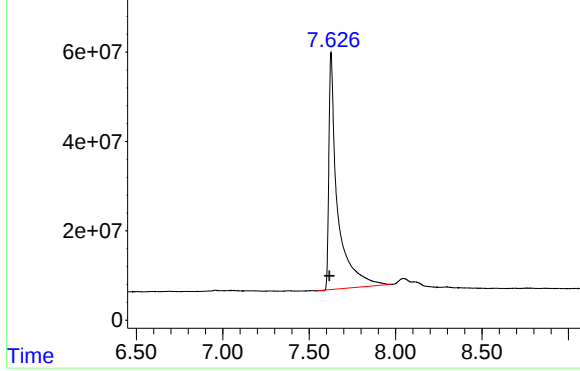
Instrument :
ECD_S
ClientSampleId :
I.BLK

Time

Response_

Signal: PS032225.D\ECD2B.ch

#4 2,4-DCAA



R.T.: 7.626 min
Delta R.T.: 0.009 min
Response: 1852655125
Conc: 508.20 ng/ml



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

Report of Analysis

Client:	Roman E&G Corp		Date Collected:	11/12/25
Project:	MCUA - New Brunswick		Date Received:	11/12/25
Client Sample ID:	PIBLK-PS032382.D		SDG No.:	Q3604
Lab Sample ID:	I.BLK-PS032382.D		Matrix:	TCLP
Analytical Method:	8151A		% Solid:	0
Sample Wt/Vol:	1000 mL	Final Vol: 10000 uL	Test:	TCLP Herbicide
Prep Method:	8151A	Prep Date:		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
94-75-7	2,4-D	0.92	U	1	0.92	2.00	ug/L	11/12/25	PS111225
93-72-1	2,4,5-TP (Silvex)	0.78	U	1	0.78	2.00	ug/L	11/12/25	PS111225
SURROGATES									
19719-28-9	2,4-DCAA	522			70 (24) - 130 (167)	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\PS111225\
 Data File : PS032382.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 12 Nov 2025 20:04
 Operator : AR\AJ
 Sample : I.BLK
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 I.BLK

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 11/13/2025
 Supervised By :Yogesh Patel 11/13/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 12 21:15:46 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110325.M
 Quant Title : 8080.M
 QLast Update : Tue Nov 04 04:59:50 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	7.287	7.625	1894.3E6	1902.0E6	418.044m	521.748m

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS111225\
Data File : PS032382.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Nov 2025 20:04
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

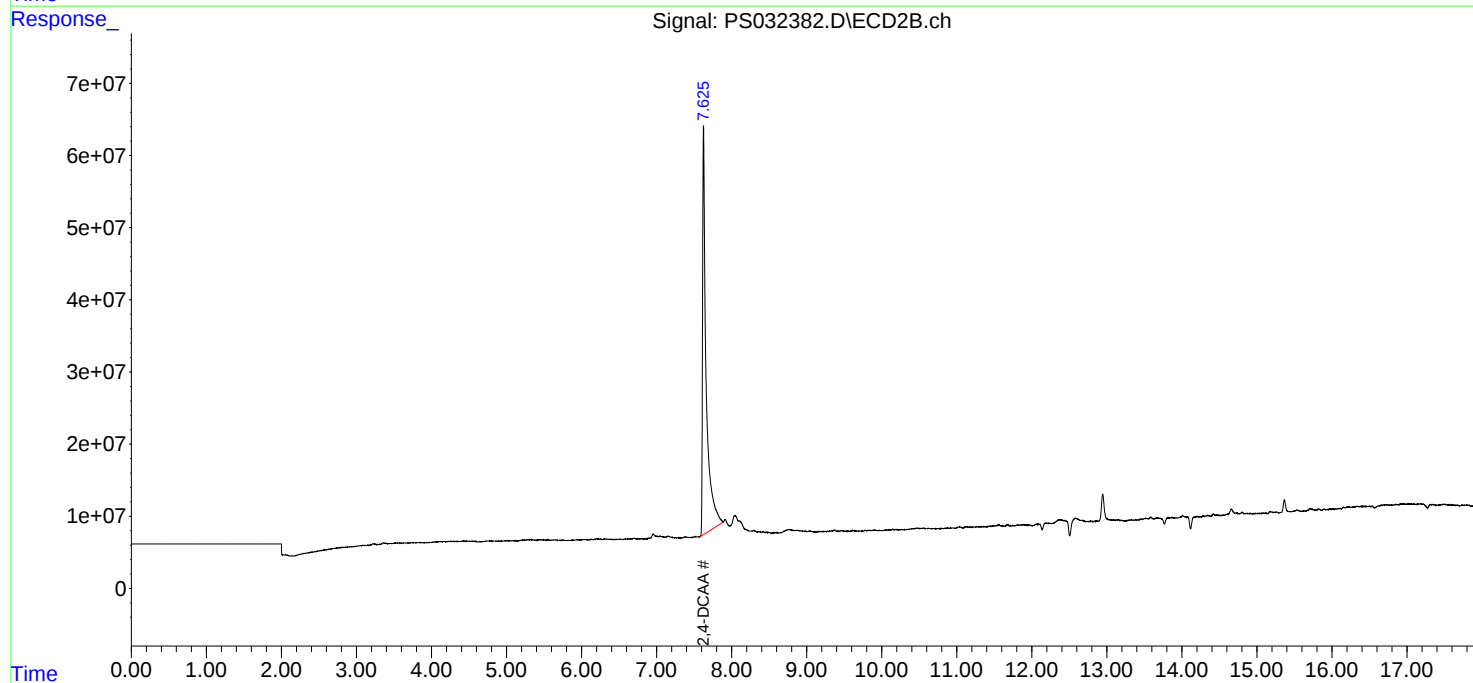
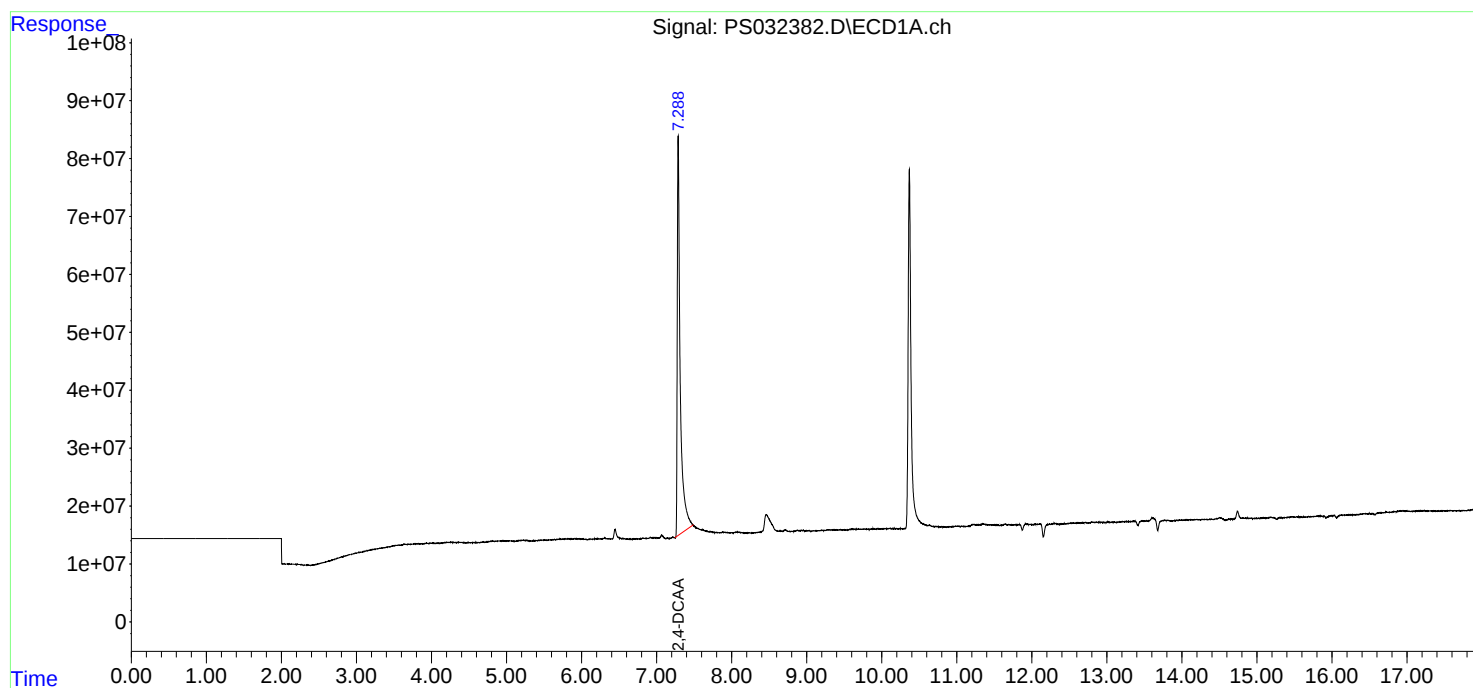
Instrument :
ECD_S
ClientSampleId :
I.BLK

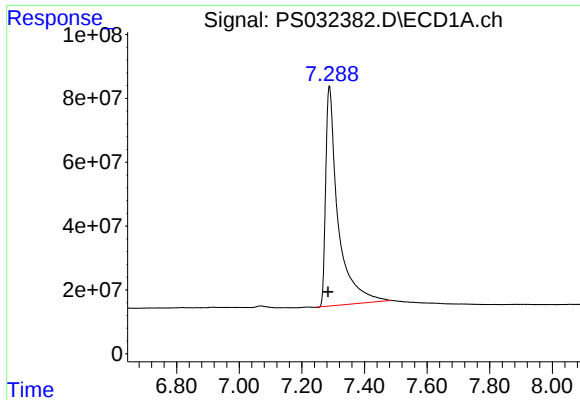
Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 11/13/2025
Supervised By :Yogesh Patel 11/13/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 12 21:15:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110325.M
Quant Title : 8080.M
QLast Update : Tue Nov 04 04:59:50 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





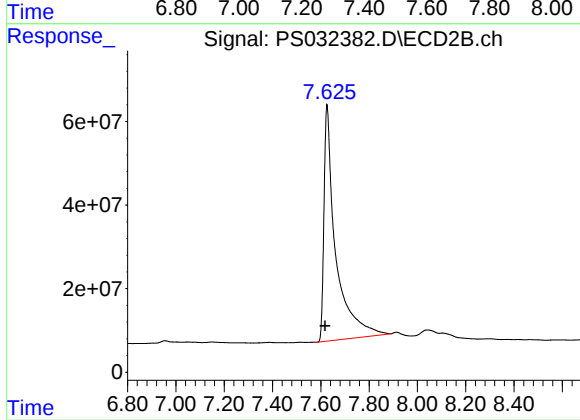
#4 2,4-DCAA

R.T.: 7.287 min
Delta R.T.: 0.004 min
Response: 1894270842
Conc: 418.04 ng/ml

Instrument :
ECD_S
ClientSampleId :
I.BLK

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 11/13/2025
Supervised By :Yogesh Patel 11/13/2025



#4 2,4-DCAA

R.T.: 7.625 min
Delta R.T.: 0.008 min
Response: 1902030474
Conc: 521.75 ng/ml m



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Report of Analysis

Client:	Roman E&G Corp		Date Collected:	11/13/25
Project:	MCUA - New Brunswick		Date Received:	11/13/25
Client Sample ID:	PIBLK-PS032391.D		SDG No.:	Q3604
Lab Sample ID:	I.BLK-PS032391.D		Matrix:	TCLP
Analytical Method:	8151A		% Solid:	0
Sample Wt/Vol:	1000 mL	Final Vol: 10000 uL	Test:	TCLP Herbicide
Prep Method:	8151A	Prep Date:		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
94-75-7	2,4-D	0.92	U	1	0.92	2.00	ug/L	11/13/25	PS111225
93-72-1	2,4,5-TP (Silvex)	0.78	U	1	0.78	2.00	ug/L	11/13/25	PS111225
SURROGATES									
19719-28-9	2,4-DCAA	527			70 (24) - 130 (167)	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\PS111225\
Data File : PS032391.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Nov 2025 00:29
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: Nov 13 10:50:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110325.M
Quant Title : 8080.M
QLast Update : Tue Nov 04 04:59:50 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	7.288	7.630	1750.6E6	1920.4E6	386.334	526.777 #

Target Compounds

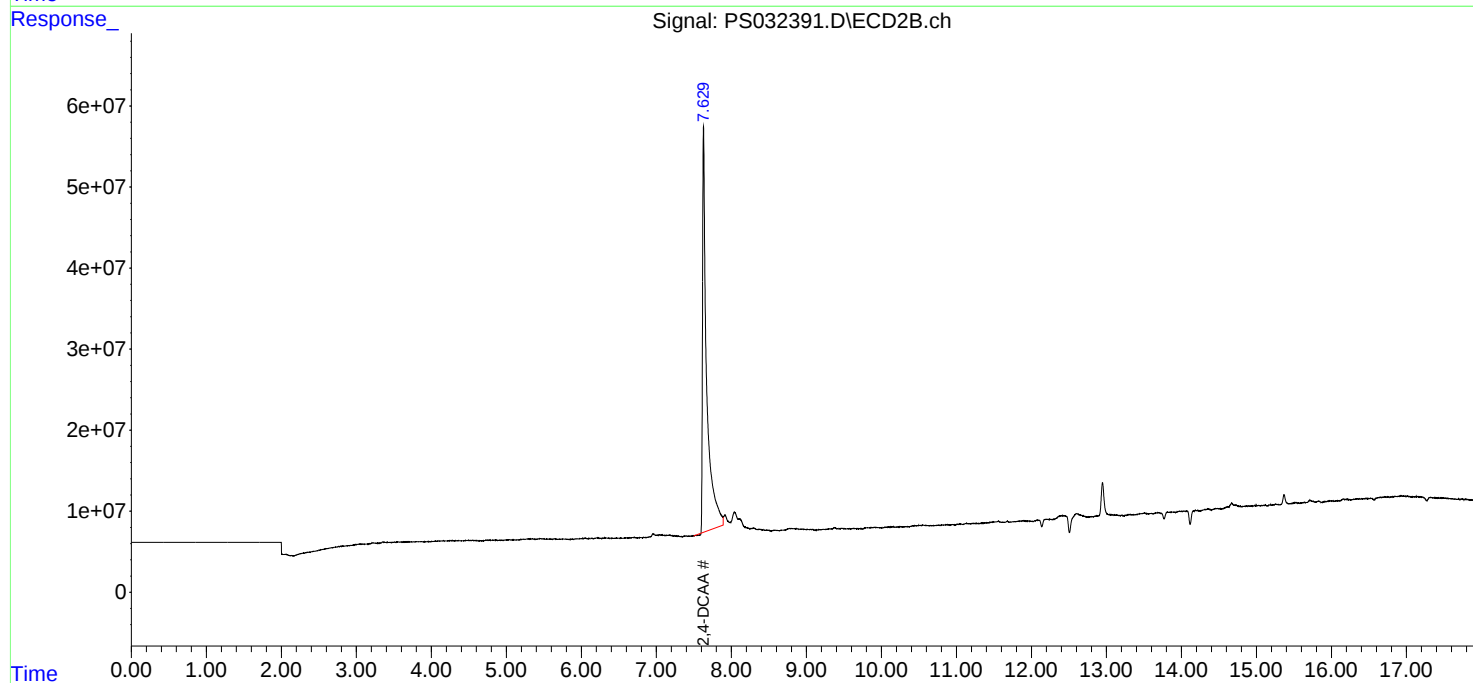
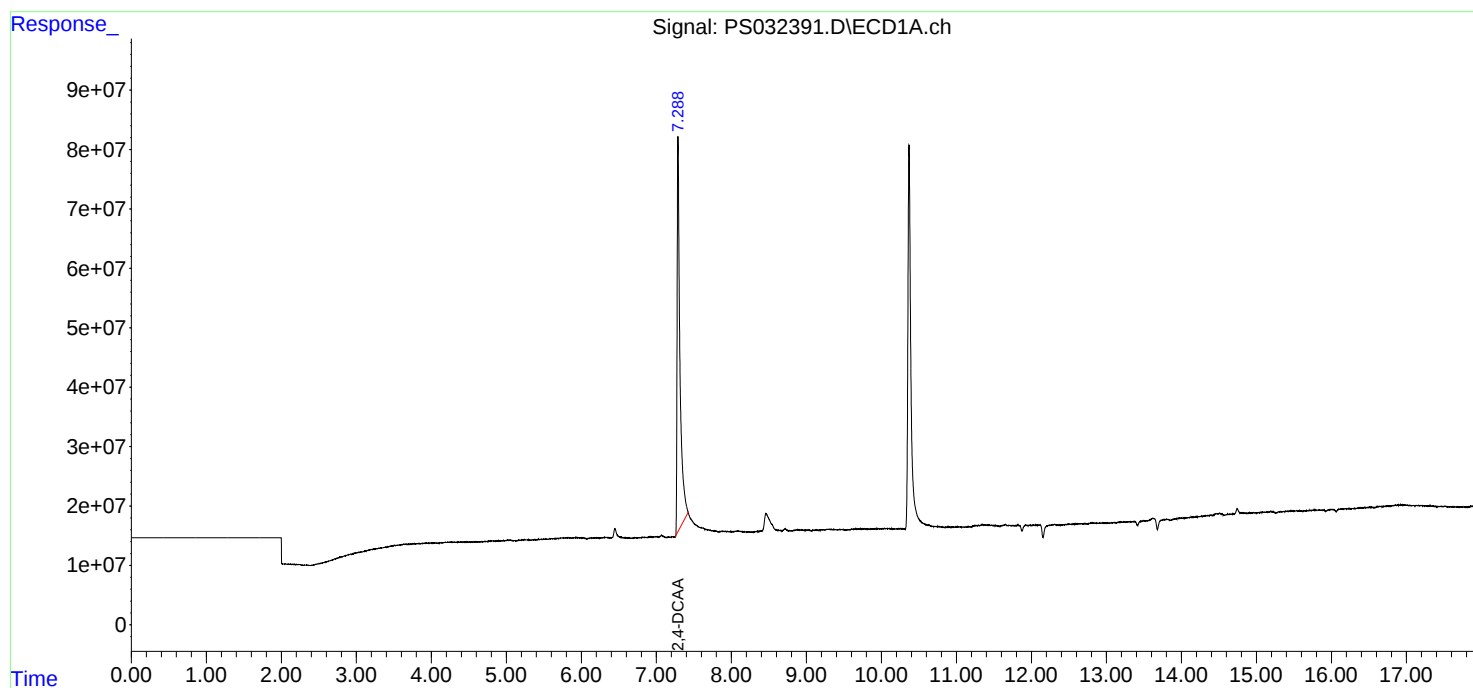
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS111225\
Data File : PS032391.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Nov 2025 00:29
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: Nov 13 10:50:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110325.M
Quant Title : 8080.M
QLast Update : Tue Nov 04 04:59:50 2025
Response via : Initial Calibration
Integrator: ChemStation

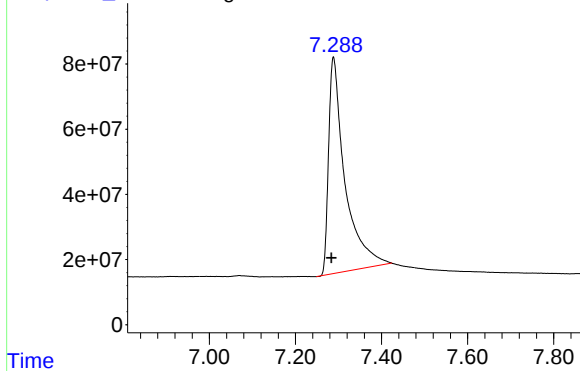
Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



Response_

Signal: PS032391.D\ECD1A.ch

#4 2,4-DCAA



R.T.: 7.288 min
Delta R.T.: 0.005 min
Response: 1750586137
Conc: 386.33 ng/ml

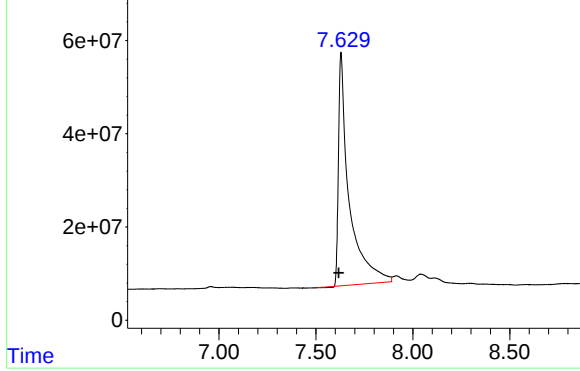
Instrument :
ECD_S
ClientSampleId :
I.BLK

Time

Response_

Signal: PS032391.D\ECD2B.ch

#4 2,4-DCAA



R.T.: 7.630 min
Delta R.T.: 0.013 min
Response: 1920363702
Conc: 526.78 ng/ml

Time



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Report of Analysis

Client:	Roman E&G Corp		Date Collected:	
Project:	MCUA - New Brunswick		Date Received:	
Client Sample ID:	PB170516BS		SDG No.:	Q3604
Lab Sample ID:	PB170516BS		Matrix:	TCLP
Analytical Method:	8151A		% Solid:	0
Sample Wt/Vol:	1000 mL	Final Vol: 10000 uL	Test:	TCLP Herbicide
Prep Method:	8151A	Prep Date: 11/12/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
94-75-7	2,4-D	5.40		1	0.92	2.00	ug/L	11/12/25 22:04	PB170516
93-72-1	2,4,5-TP (Silvex)	5.50		1	0.78	2.00	ug/L	11/12/25 22:04	PB170516
SURROGATES									
19719-28-9	2,4-DCAA	570			70 (24) - 130 (167)	114%	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\PS111225\
 Data File : PS032385.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 12 Nov 2025 22:04
 Operator : AR\AJ
 Sample : PB170516BS
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

PB170516BS

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 11/13/2025

Supervised By :Yogesh Patel 11/13/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 13 00:15:06 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110325.M
 Quant Title : 8080.M
 QLast Update : Tue Nov 04 04:59:50 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	7.284	7.619	2583.3E6	2078.1E6	570.099	570.045m
Target Compounds							
1) T	Dalapon	2.655	2.603	3489.9E6	3413.5E6	486.142	490.872
2) T	3,5-DICHL...	6.450	6.588	3469.5E6	3246.2E6	536.559	540.231
3) T	4-Nitroph...	7.110	7.197	657.2E6	1185.4E6	489.555	522.223
5) T	DICAMBA	7.464	7.808	10151.7E6	9371.5E6	538.089	542.567
6) T	MCPD	7.640	7.903	537.1E6	705.4E6	49.324	53.033
7) T	MCPA	7.788	8.147	697.7E6	866.0E6	51.970	53.117m
8) T	DICHLORPROP	8.172	8.523	2348.3E6	2641.1E6	527.845	553.787
9) T	2,4-D	8.414	8.869	2427.3E6	2822.8E6	537.995	538.119
10) T	Pentachlo...	8.700	9.358	38561.5E6	34066.8E6	614.632	580.328
11) T	2,4,5-TP ...	9.277	9.746	14213.4E6	14716.6E6	546.428	548.025
12) T	2,4,5-T	9.579	10.175	13164.2E6	12917.9E6	552.231	544.644
13) T	2,4-DB	10.156	10.742	1412.9E6	1999.2E6	536.198	530.112
14) T	DINOSEB	11.341	11.106	11112.3E6	9264.0E6	534.048	523.763
15) T	Picloram	11.190	12.232	10844.6E6	18243.1E6	510.922m	490.643
16) T	DCPA	11.641	12.140	18671.6E6	17603.7E6	556.497	552.522m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS111225\
Data File : PS032385.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Nov 2025 22:04
Operator : AR\AJ
Sample : PB170516BS
Misc :
ALS Vial : 16 Sample Multiplier: 1

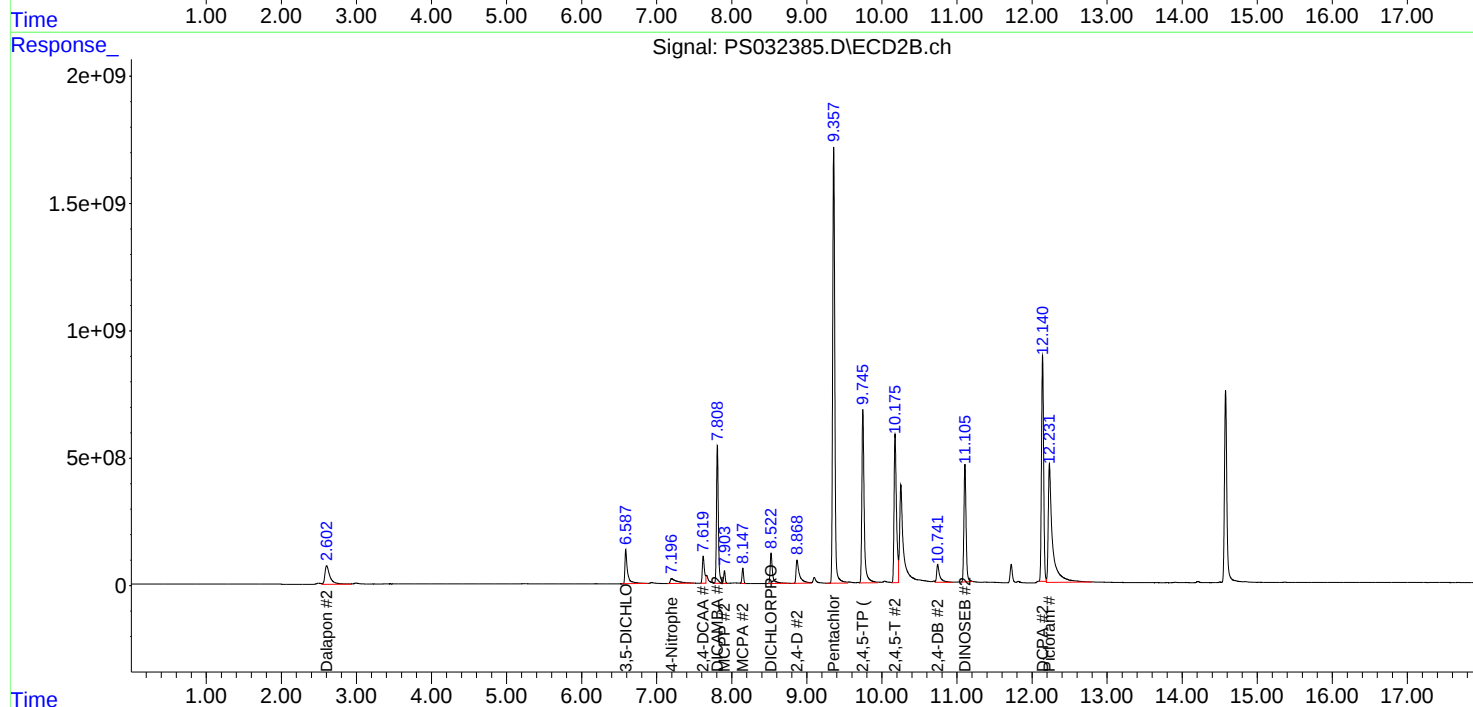
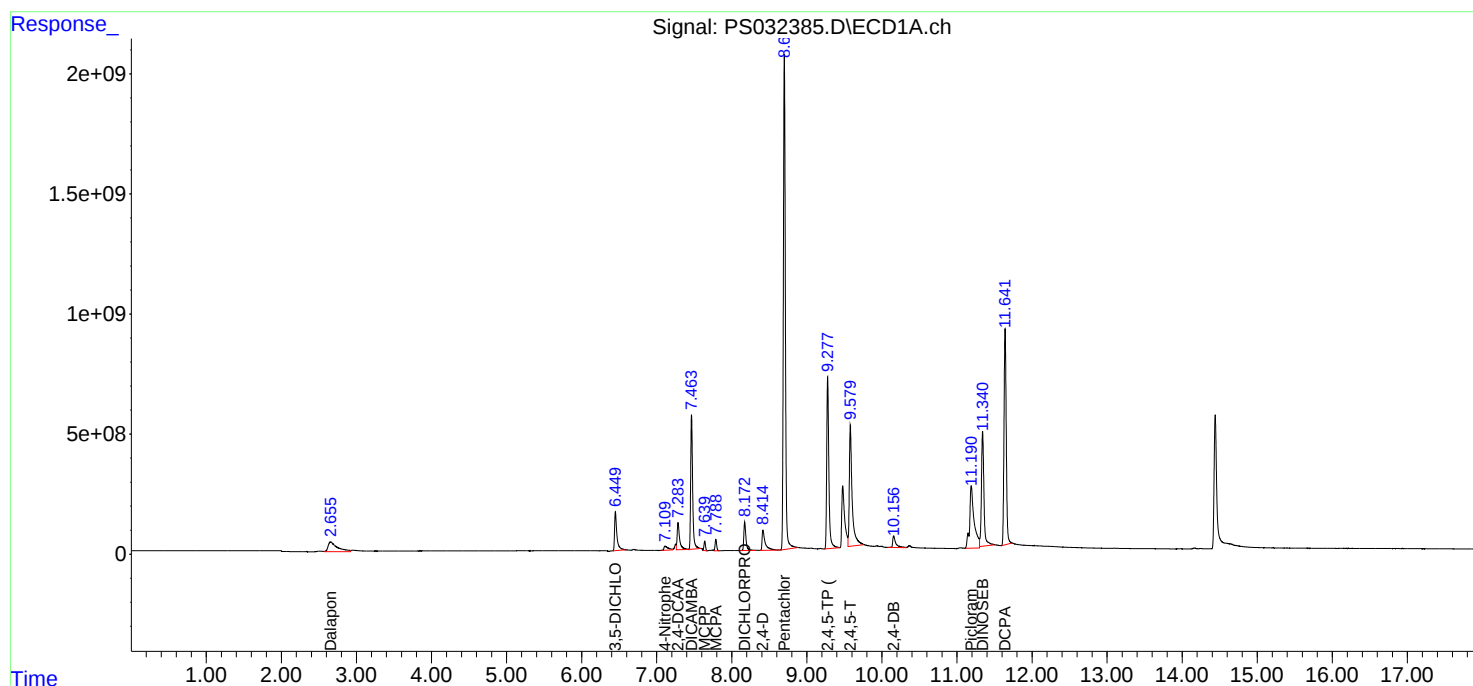
Instrument :
ECD_S
ClientSampleId :
PB170516BS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 11/13/2025
Supervised By :Yogesh Patel 11/13/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 13 00:15:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110325.M
Quant Title : 8080.M
QLast Update : Tue Nov 04 04:59:50 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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Report of Analysis

Client:	Roman E&G Corp		Date Collected:	11/10/25
Project:	MCUA - New Brunswick		Date Received:	11/10/25
Client Sample ID:	S-1MS		SDG No.:	Q3604
Lab Sample ID:	Q3604-01MS		Matrix:	TCLP
Analytical Method:	8151A		% Solid:	0
Sample Wt/Vol:	100 mL	Final Vol: 10000 uL	Test:	TCLP Herbicide
Prep Method:	8151A	Prep Date: 11/12/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
94-75-7	2,4-D	23.6		1	9.20	20.0	ug/L	11/12/25 23:17	PB170516
93-72-1	2,4,5-TP (Silvex)	25.6		1	7.80	20.0	ug/L	11/12/25 23:17	PB170516
SURROGATES									
19719-28-9	2,4-DCAA	367			70 (24) - 130 (167)	73%	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\PS111225\
 Data File : PS032388.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 12 Nov 2025 23:17
 Operator : AR\AJ
 Sample : Q3604-01MS
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 S-1MS

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 11/13/2025
 Supervised By :Yogesh Patel 11/13/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 13 00:16:44 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110325.M
 Quant Title : 8080.M
 QLast Update : Tue Nov 04 04:59:50 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	7.282	7.615	1655.3E6	1336.4E6	365.308	366.578m
Target Compounds							
1) T	Dalapon	2.641	2.604	755.6E6	3447.5E6	105.252m	495.761m#
2) T	3,5-DICHL...	6.449	6.587	1392.7E6	1058.5E6	215.380	176.156
5) T	DICAMBA	7.464	7.807	4010.4E6	3669.0E6	212.569	212.420m
6) T	MCP	7.638	7.902	184.9E6	140.5E6	16.975	10.565 #
7) T	MCPA	7.787	8.145	332.6E6	131.1E6	24.772	8.039m#
8) T	DICHLORPROP	8.173	8.522	1094.7E6	830.1E6	246.060	174.061m#
9) T	2,4-D	8.417	8.869	1023.4E6	1238.7E6	226.819	236.143
10) T	Pentachlo...	8.700	9.358	11179.4E6	10724.9E6	178.188	182.699m
11) T	2,4,5-TP ...	9.279	9.745	6661.9E6	6727.0E6	256.115	250.503m
12) T	2,4,5-T	9.581	10.177	5635.4E6	5878.3E6	236.404	247.839m
13) T	2,4-DB	10.160	10.744	570.5E6	645.3E6	216.497	171.118m
14) T	DINOSEB	11.343	11.108	2136.7E6	1588.5E6	102.690	89.812
15) T	Picloram	11.195	12.236	4083.6E6	7784.6E6	192.392m	209.364
16) T	DCPA	11.641	12.140	8246.9E6	8381.8E6	245.793	263.078

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS111225\
Data File : PS032388.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Nov 2025 23:17
Operator : AR\AJ
Sample : Q3604-01MS
Misc :
ALS Vial : 19 Sample Multiplier: 1

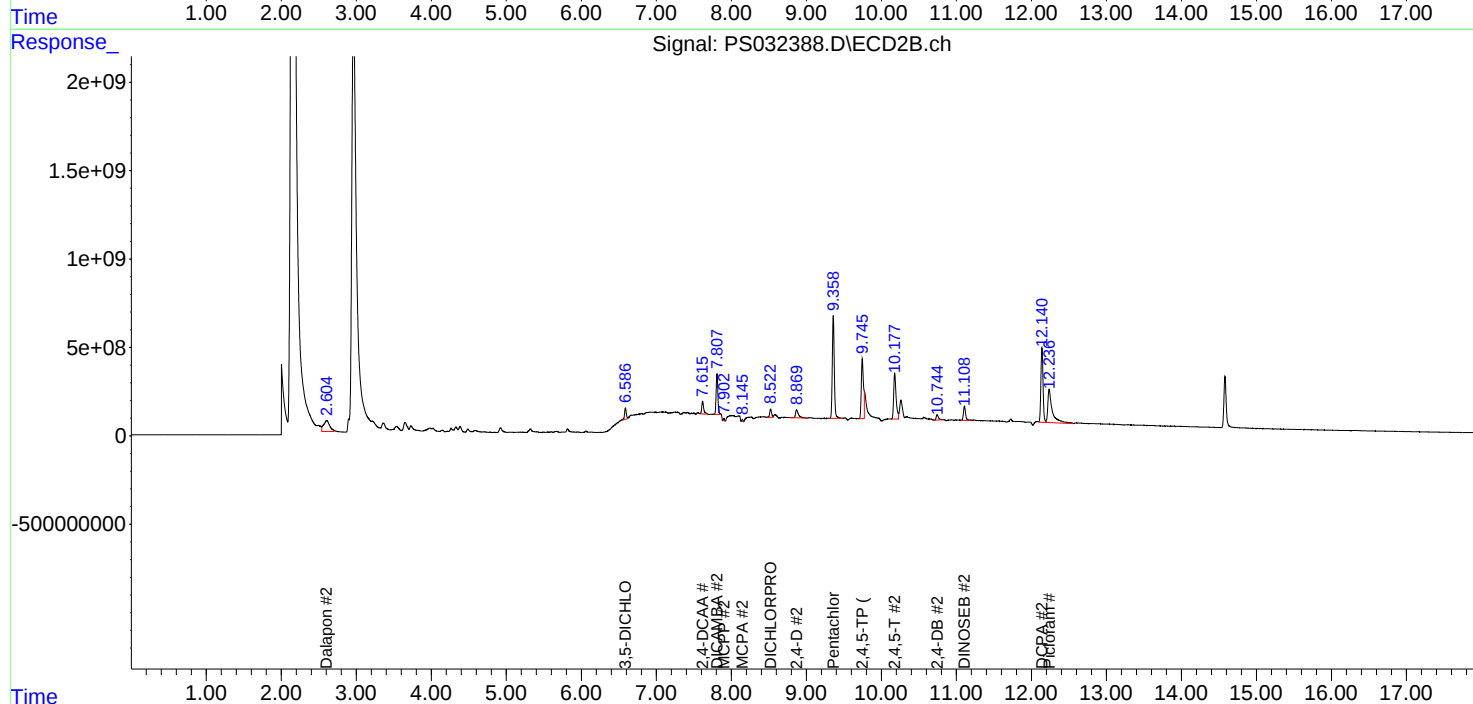
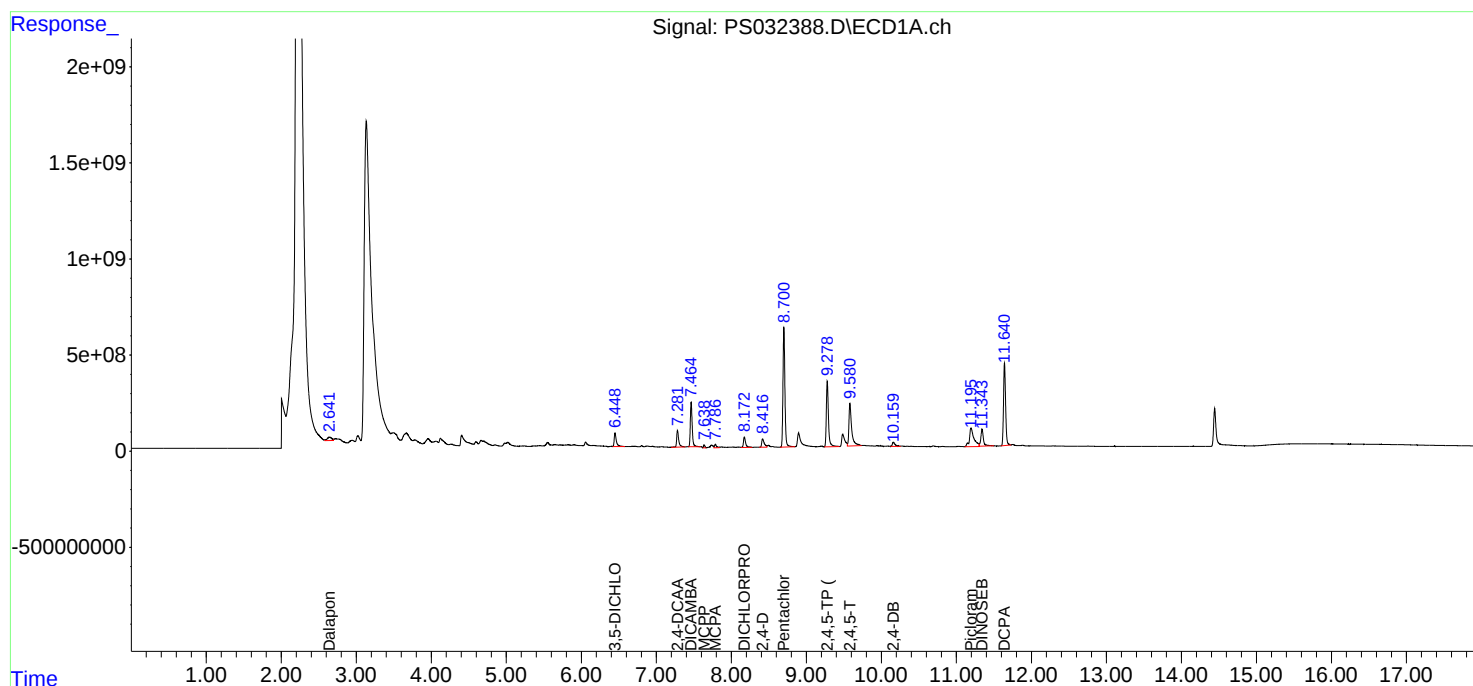
Instrument :
ECD_S
ClientSampleId :
S-1MS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 11/13/2025
Supervised By :Yogesh Patel 11/13/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 13 00:16:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110325.M
Quant Title : 8080.M
QLast Update : Tue Nov 04 04:59:50 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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Report of Analysis

Client:	Roman E&G Corp		Date Collected:	11/10/25
Project:	MCUA - New Brunswick		Date Received:	11/10/25
Client Sample ID:	S-1MSD		SDG No.:	Q3604
Lab Sample ID:	Q3604-01MSD		Matrix:	TCLP
Analytical Method:	8151A		% Solid:	0
Sample Wt/Vol:	100 mL	Final Vol: 10000 uL	Test:	TCLP Herbicide
Prep Method:	8151A	Prep Date: 11/12/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
94-75-7	2,4-D	27.9		1	9.20	20.0	ug/L	11/12/25 23:41	PB170516
93-72-1	2,4,5-TP (Silvex)	38.2		1	7.80	20.0	ug/L	11/12/25 23:41	PB170516
SURROGATES									
19719-28-9	2,4-DCAA	470			70 (24) - 130 (167)	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\PS111225\
 Data File : PS032389.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 12 Nov 2025 23:41
 Operator : AR\AJ
 Sample : Q3604-01MSD
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 S-1MSD

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 11/13/2025
 Supervised By :Yogesh Patel 11/13/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 13 00:17:11 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110325.M
 Quant Title : 8080.M
 QLast Update : Tue Nov 04 04:59:50 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	7.281	7.616	1521.3E6	1714.3E6	335.725m	470.250 #
Target Compounds							
1) T	Dalapon	2.645	2.607	515.4E6	3245.6E6	71.799m	466.728m#
2) T	3,5-DICHL...	6.449	6.587	1381.5E6	1091.3E6	213.652	181.611
5) T	DICAMBA	7.464	7.807	3978.3E6	3968.3E6	210.868	229.749
6) T	MCPD	7.638	7.901	182.2E6	244.1E6	16.735	18.352
7) T	MCPA	7.787	8.145	331.3E6	293.7E6	24.674	18.014 #
8) T	DICHLORPROP	8.173	8.522	1097.8E6	1058.0E6	246.757	221.835
9) T	2,4-D	8.417	8.868	1023.3E6	1462.1E6	226.808	278.729
10) T	Pentachlo...	8.700	9.358	11729.8E6	11217.1E6	186.961	191.083
11) T	2,4,5-TP ...	9.278	9.745	6674.4E6	10254.8E6	256.592	381.873 #
12) T	2,4,5-T	9.581	10.177	5658.1E6	5875.0E6	237.356	247.703
13) T	2,4-DB	10.159	10.743	626.4E6	781.7E6	237.708	207.264
14) T	DINOSEB	11.342	11.107	1830.0E6	1651.7E6	87.948m	93.384m
15) T	Picloram	11.197	12.235	4088.5E6	7642.7E6	192.623m	205.548
16) T	DCPA	11.641	12.140	8294.6E6	8544.6E6	247.217	268.188

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS111225\
Data File : PS032389.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Nov 2025 23:41
Operator : AR\AJ
Sample : Q3604-01MSD
Misc :
ALS Vial : 20 Sample Multiplier: 1

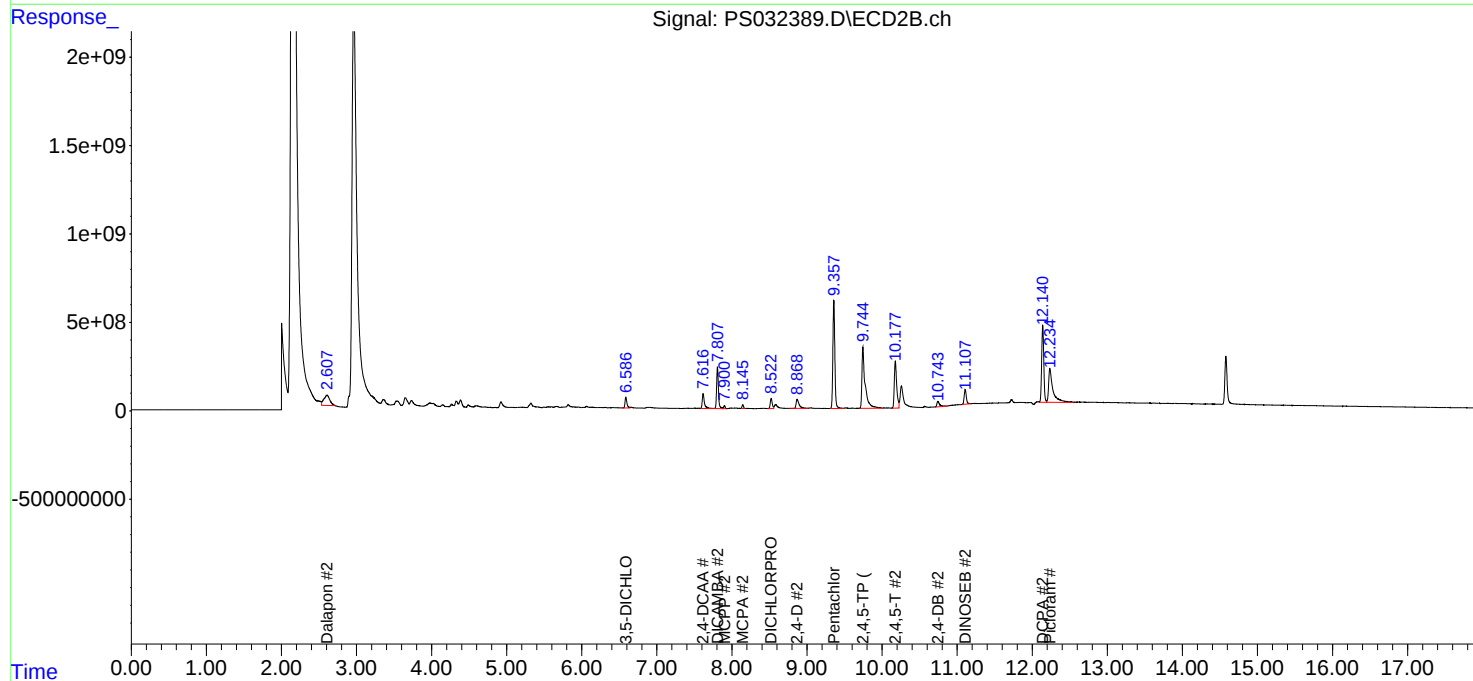
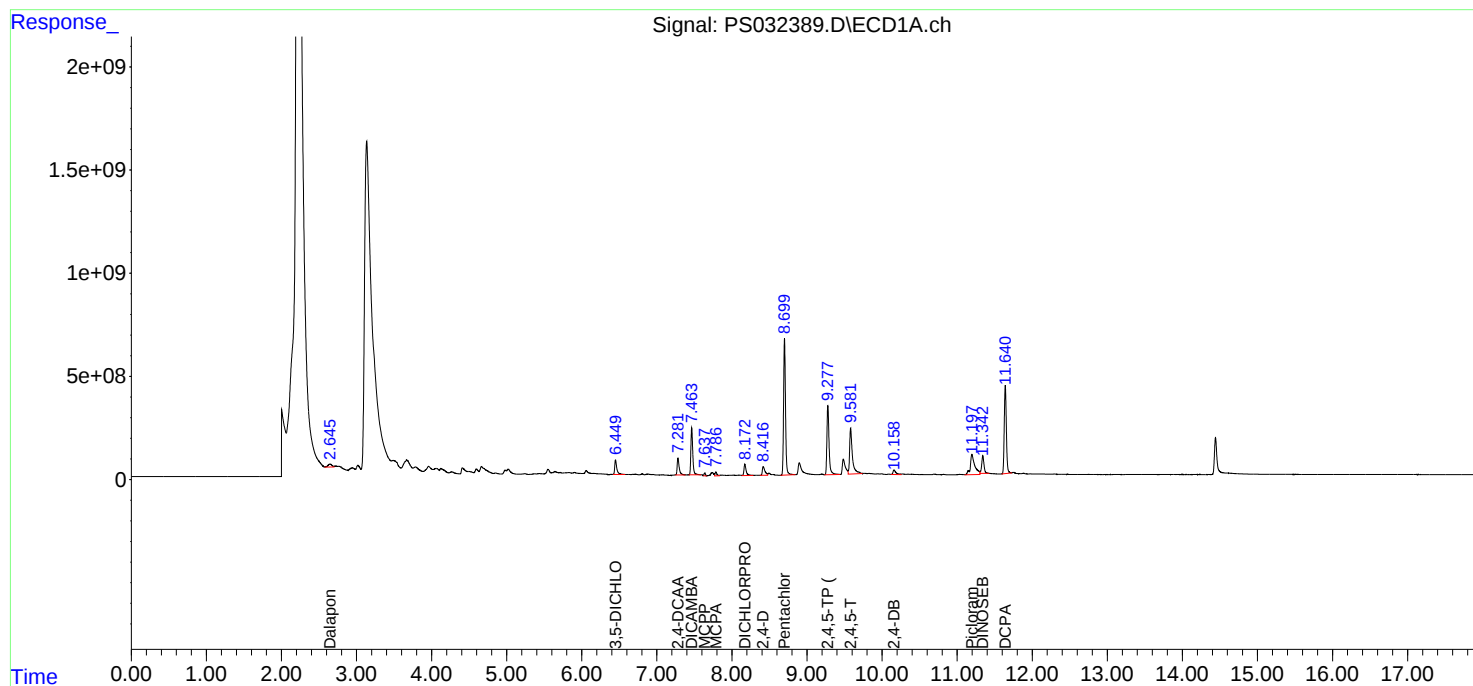
Instrument :
ECD_S
ClientSampleId :
S-1MSD

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 11/13/2025
Supervised By :Yogesh Patel 11/13/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 13 00:17:11 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110325.M
Quant Title : 8080.M
QLast Update : Tue Nov 04 04:59:50 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



Manual Integration Report

Sequence:	PS110325	Instrument	ECD_s
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
HSTDICC200	PS032226.D	2,4-DCAA #2	rahul	11/4/2025 8:21:48 AM	yogesh	11/4/2025 10:16:12	Peak Integrated by Software
HSTDICC200	PS032226.D	4-Nitrophenol	rahul	11/4/2025 8:21:48 AM	yogesh	11/4/2025 10:16:12	Peak Integrated by Software
HSTDICC200	PS032226.D	4-Nitrophenol #2	rahul	11/4/2025 8:21:48 AM	yogesh	11/4/2025 10:16:12	Peak Integrated by Software
HSTDICC200	PS032226.D	MCPP	rahul	11/4/2025 8:21:48 AM	yogesh	11/4/2025 10:16:12	Peak Integrated by Software
HSTDICC500	PS032227.D	4-Nitrophenol #2	rahul	11/4/2025 8:21:51 AM	yogesh	11/4/2025 10:16:14	Peak Integrated by Software
HSTDICC1500	PS032230.D	2,4-DCAA	rahul	11/4/2025 8:21:54 AM	yogesh	11/4/2025 10:16:16	Peak Integrated by Software
HSTDCCC750	PS032233.D	2,4-DCAA	rahul	11/4/2025 8:21:58 AM	yogesh	11/4/2025 10:16:19	Peak Integrated by Software
HSTDCCC750	PS032240.D	2,4-DCAA	rahul	11/4/2025 8:22:07 AM	yogesh	11/4/2025 10:16:26	Peak Integrated by Software
HSTDCCC750	PS032252.D	2,4-DCAA	rahul	11/4/2025 8:22:32 AM	yogesh	11/4/2025 10:18:51	Peak Integrated by Software
HSTDCCC750	PS032252.D	Picloram	rahul	11/4/2025 8:22:32 AM	yogesh	11/4/2025 10:18:51	Peak Integrated by Software
HSTDCCC750	PS032264.D	4-Nitrophenol	rahul	11/4/2025 8:22:54 AM	yogesh	11/4/2025 10:19:08	Peak Integrated by Software
HSTDCCC750	PS032264.D	DCPA #2	rahul	11/4/2025 8:22:54 AM	yogesh	11/4/2025 10:19:08	Peak Integrated by Software
HSTDCCC750	PS032264.D	Picloram	rahul	11/4/2025 8:22:54 AM	yogesh	11/4/2025 10:19:08	Peak Integrated by Software



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

Manual Integration Report

Sequence:

PS110325

Instrument

ECD_s

Sample ID

File ID

Parameter

Review By

Review On

Supervised
By

Supervised On

Reason

Manual Integration Report

Sequence:	PS111225	Instrument	ECD_s
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
I.BLK	PS032367.D	2,4-DCAA	rahul	11/13/2025 12:59:54 PM	yogesh	11/13/2025 1:18:38	Peak Integrated by Software
HSTDCCC750	PS032368.D	MCPA #2	rahul	11/13/2025 12:59:56 PM	yogesh	11/13/2025 1:18:40	Peak Integrated by Software
I.BLK	PS032373.D	2,4-DCAA #2	rahul	11/13/2025 1:00:17 PM	yogesh	11/13/2025 1:19:28	Peak Integrated by Software
HSTDCCC750	PS032374.D	2,4-DCAA #2	rahul	11/13/2025 1:00:20 PM	yogesh	11/13/2025 1:19:36	Peak Integrated by Software
HSTDCCC750	PS032374.D	D CPA #2	rahul	11/13/2025 1:00:20 PM	yogesh	11/13/2025 1:19:36	Peak Integrated by Software
HSTDCCC750	PS032374.D	MCPA #2	rahul	11/13/2025 1:00:20 PM	yogesh	11/13/2025 1:19:36	Peak Integrated by Software
I.BLK	PS032382.D	2,4-DCAA	rahul	11/13/2025 1:00:41 PM	yogesh	11/13/2025 1:20:07	Peak Integrated by Software
I.BLK	PS032382.D	2,4-DCAA #2	rahul	11/13/2025 1:00:41 PM	yogesh	11/13/2025 1:20:07	Peak Integrated by Software
HSTDCCC750	PS032383.D	2,4-DCAA #2	rahul	11/13/2025 1:00:44 PM	yogesh	11/13/2025 1:20:08	Peak Integrated by Software
HSTDCCC750	PS032383.D	MCPA #2	rahul	11/13/2025 1:00:44 PM	yogesh	11/13/2025 1:20:08	Peak Integrated by Software
HSTDCCC750	PS032383.D	Picloram	rahul	11/13/2025 1:00:44 PM	yogesh	11/13/2025 1:20:08	Peak Integrated by Software
PB170516BL	PS032384.D	2,4-DCAA #2	rahul	11/13/2025 1:00:47 PM	yogesh	11/13/2025 1:20:10	Peak Integrated by Software
PB170516BS	PS032385.D	2,4-DCAA #2	rahul	11/13/2025 1:00:49 PM	yogesh	11/13/2025 1:20:12	Peak Integrated by Software

Manual Integration Report

Sequence:

PS111225

Instrument

ECD_s

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PB170516BS	PS032385.D	DCPA #2	rahul	11/13/2025 1:00:49 PM	yogesh	11/13/2025 1:20:12	Peak Integrated by Software
PB170516BS	PS032385.D	MCPA #2	rahul	11/13/2025 1:00:49 PM	yogesh	11/13/2025 1:20:12	Peak Integrated by Software
PB170516BS	PS032385.D	Picloram	rahul	11/13/2025 1:00:49 PM	yogesh	11/13/2025 1:20:12	Peak Integrated by Software
PB170493TB	PS032386.D	2,4-DCAA #2	rahul	11/13/2025 1:00:51 PM	yogesh	11/13/2025 1:20:14	Peak Integrated by Software
Q3604-01	PS032387.D	2,4-DCAA	rahul	11/13/2025 1:00:54 PM	yogesh	11/13/2025 1:20:16	Peak Integrated by Software
Q3604-01MS	PS032388.D	2,4,5-T #2	rahul	11/13/2025 1:00:56 PM	yogesh	11/13/2025 1:20:19	Peak Integrated by Software
Q3604-01MS	PS032388.D	2,4,5-TP (SILVEX) #2	rahul	11/13/2025 1:00:56 PM	yogesh	11/13/2025 1:20:19	Peak Integrated by Software
Q3604-01MS	PS032388.D	2,4-DB #2	rahul	11/13/2025 1:00:56 PM	yogesh	11/13/2025 1:20:19	Peak Integrated by Software
Q3604-01MS	PS032388.D	2,4-DCAA #2	rahul	11/13/2025 1:00:56 PM	yogesh	11/13/2025 1:20:19	Peak Integrated by Software
Q3604-01MS	PS032388.D	Dalapon	rahul	11/13/2025 1:00:56 PM	yogesh	11/13/2025 1:20:19	Peak Integrated by Software
Q3604-01MS	PS032388.D	Dalapon #2	rahul	11/13/2025 1:00:56 PM	yogesh	11/13/2025 1:20:19	Peak Integrated by Software
Q3604-01MS	PS032388.D	DICAMBA #2	rahul	11/13/2025 1:00:56 PM	yogesh	11/13/2025 1:20:19	Peak Integrated by Software
Q3604-01MS	PS032388.D	DICHLORPROP #2	rahul	11/13/2025 1:00:56 PM	yogesh	11/13/2025 1:20:19	Peak Integrated by Software

Manual Integration Report

Sequence:	PS111225	Instrument	ECD_s
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q3604-01MS	PS032388.D	MCPA #2	rahul	11/13/2025 1:00:56 PM	yogesh	11/13/2025 1:20:19	Peak Integrated by Software
Q3604-01MS	PS032388.D	Pentachlorophenol #2	rahul	11/13/2025 1:00:56 PM	yogesh	11/13/2025 1:20:19	Peak Integrated by Software
Q3604-01MS	PS032388.D	Picloram	rahul	11/13/2025 1:00:56 PM	yogesh	11/13/2025 1:20:19	Peak Integrated by Software
Q3604-01MSD	PS032389.D	2,4-DCAA	rahul	11/13/2025 1:00:59 PM	yogesh	11/13/2025 1:20:20	Peak Integrated by Software
Q3604-01MSD	PS032389.D	Dalapon	rahul	11/13/2025 1:00:59 PM	yogesh	11/13/2025 1:20:20	Peak Integrated by Software
Q3604-01MSD	PS032389.D	Dalapon #2	rahul	11/13/2025 1:00:59 PM	yogesh	11/13/2025 1:20:20	Peak Integrated by Software
Q3604-01MSD	PS032389.D	DINOSEB	rahul	11/13/2025 1:00:59 PM	yogesh	11/13/2025 1:20:20	Peak Integrated by Software
Q3604-01MSD	PS032389.D	DINOSEB #2	rahul	11/13/2025 1:00:59 PM	yogesh	11/13/2025 1:20:20	Peak Integrated by Software
Q3604-01MSD	PS032389.D	Picloram	rahul	11/13/2025 1:00:59 PM	yogesh	11/13/2025 1:20:20	Peak Integrated by Software
Q3604-02	PS032390.D	2,4-DCAA #2	rahul	11/13/2025 1:01:02 PM	yogesh	11/13/2025 1:20:38	Peak Integrated by Software

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS110325

Review By	rahul	Review On	11/3/2025 2:00:55 PM
Supervise By	yogesh	Supervise On	11/4/2025 10:21:04 AM
SubDirectory	PS110325	HP Acquire Method	HP Processing Method ps110325 8151
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24945,PP25043,PP25044,PP25045,PP25047,PP25049		
CCC Internal Standard/PEM	PP25045		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24923		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PS032224.D	03 Nov 2025 08:52	AR\AJ	Ok
2	I.BLK	PS032225.D	03 Nov 2025 09:16	AR\AJ	Ok
3	HSTDICC200	PS032226.D	03 Nov 2025 09:40	AR\AJ	Ok,M
4	HSTDICC500	PS032227.D	03 Nov 2025 10:04	AR\AJ	Ok,M
5	HSTDICC750	PS032228.D	03 Nov 2025 10:28	AR\AJ	Ok
6	HSTDICC1000	PS032229.D	03 Nov 2025 10:52	AR\AJ	Ok
7	HSTDICC1500	PS032230.D	03 Nov 2025 11:17	AR\AJ	Ok,M
8	HSTDICV750	PS032231.D	03 Nov 2025 11:47	AR\AJ	Ok
9	I.BLK	PS032232.D	03 Nov 2025 12:11	AR\AJ	Ok
10	HSTDCCC750	PS032233.D	03 Nov 2025 12:35	AR\AJ	Ok,M
11	PB170320BL	PS032234.D	03 Nov 2025 13:00	AR\AJ	Ok
12	PB170320BS	PS032235.D	03 Nov 2025 13:24	AR\AJ	Ok
13	Q3469-01	PS032236.D	03 Nov 2025 13:48	AR\AJ	Ok
14	Q3469-01MS	PS032237.D	03 Nov 2025 14:12	AR\AJ	Not Ok
15	Q3469-01MSD	PS032238.D	03 Nov 2025 14:36	AR\AJ	Not Ok
16	I.BLK	PS032239.D	03 Nov 2025 15:00	AR\AJ	Ok
17	HSTDCCC750	PS032240.D	03 Nov 2025 15:24	AR\AJ	Ok,M
18	PB170344BL	PS032241.D	03 Nov 2025 15:48	AR\AJ	Ok,M
19	Q3477-03	PS032242.D	03 Nov 2025 16:12	AR\AJ	Ok,M
20	PB170344BS	PS032243.D	03 Nov 2025 16:37	AR\AJ	Ok
21	PB170344BSD	PS032244.D	03 Nov 2025 17:01	AR\AJ	Ok,M

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS110325

Review By	rahul	Review On	11/3/2025 2:00:55 PM
Supervise By	yogesh	Supervise On	11/4/2025 10:21:04 AM
SubDirectory	PS110325	HP Acquire Method	HP Processing Method ps110325 8151
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24945,PP25043,PP25044,PP25045,PP25047,PP25049		
CCC Internal Standard/PEM	PP25045		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24923		

22	Q3477-01	PS032245.D	03 Nov 2025 17:25	AR\AJ	Ok
23	Q3480-01	PS032246.D	03 Nov 2025 17:49	AR\AJ	Ok
24	Q3486-01	PS032247.D	03 Nov 2025 18:13	AR\AJ	Ok,M
25	Q3486-03	PS032248.D	03 Nov 2025 18:37	AR\AJ	Ok,M
26	Q3486-05	PS032249.D	03 Nov 2025 19:01	AR\AJ	Ok,M
27	Q3519-01	PS032250.D	03 Nov 2025 19:25	AR\AJ	Ok,M
28	I.BLK	PS032251.D	03 Nov 2025 19:49	AR\AJ	Ok
29	HSTDCCC750	PS032252.D	03 Nov 2025 20:14	AR\AJ	Ok,M
30	PB170383BL	PS032253.D	03 Nov 2025 21:50	AR\AJ	Ok
31	PB170383BS	PS032254.D	03 Nov 2025 22:14	AR\AJ	Ok
32	Q3469-01MS	PS032255.D	03 Nov 2025 22:38	AR\AJ	Ok,M
33	Q3469-01MSD	PS032256.D	03 Nov 2025 23:02	AR\AJ	Ok,M
34	Q3515-01	PS032257.D	03 Nov 2025 23:26	AR\AJ	Ok
35	Q3516-01	PS032258.D	03 Nov 2025 23:51	AR\AJ	Ok,M
36	Q3516-01MS	PS032259.D	04 Nov 2025 00:15	AR\AJ	Ok,M
37	Q3516-01MSD	PS032260.D	04 Nov 2025 00:39	AR\AJ	Ok,M
38	Q3520-01	PS032261.D	04 Nov 2025 01:03	AR\AJ	Ok,M
39	Q3486-07	PS032262.D	04 Nov 2025 01:27	AR\AJ	Ok
40	I.BLK	PS032263.D	04 Nov 2025 01:51	AR\AJ	Ok
41	HSTDCCC750	PS032264.D	04 Nov 2025 02:15	AR\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS111225

Review By	rahul	Review On	11/12/2025 9:03:10 AM
Supervise By	yogesh	Supervise On	11/13/2025 1:20:54 PM
SubDirectory	PS111225	HP Acquire Method	HP Processing Method ps110325 8151
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24945,PP25043,PP25044,PP25045,PP25047,PP25049		
CCC Internal Standard/PEM	PP25045		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24923		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	I.BLK	PS032367.D	12 Nov 2025 09:02	AR\AJ	Ok,M
2	HSTDCCC750	PS032368.D	12 Nov 2025 09:26	AR\AJ	Ok,M
3	Q3598-01	PS032369.D	12 Nov 2025 09:52	AR\AJ	Ok,M
4	Q3599-01	PS032370.D	12 Nov 2025 10:16	AR\AJ	Ok,M
5	Q3601-17	PS032371.D	12 Nov 2025 10:40	AR\AJ	Not Ok
6	Q3601-05	PS032372.D	12 Nov 2025 11:05	AR\AJ	Ok,M
7	I.BLK	PS032373.D	12 Nov 2025 14:20	AR\AJ	Ok,M
8	HSTDCCC750	PS032374.D	12 Nov 2025 14:44	AR\AJ	Ok,M
9	PB170513BL	PS032375.D	12 Nov 2025 17:15	AR\AJ	Ok,M
10	PB170513BS	PS032376.D	12 Nov 2025 17:39	AR\AJ	Ok,M
11	Q3582-04RX	PS032377.D	12 Nov 2025 18:03	AR\AJ	Confirms
12	Q3600-01	PS032378.D	12 Nov 2025 18:27	AR\AJ	Ok,M
13	Q3600-01MS	PS032379.D	12 Nov 2025 18:51	AR\AJ	Not Ok
14	Q3600-01MSD	PS032380.D	12 Nov 2025 19:15	AR\AJ	Not Ok
15	Q3601-13RX	PS032381.D	12 Nov 2025 19:40	AR\AJ	Confirms
16	I.BLK	PS032382.D	12 Nov 2025 20:04	AR\AJ	Ok,M
17	HSTDCCC750	PS032383.D	12 Nov 2025 20:28	AR\AJ	Ok,M
18	PB170516BL	PS032384.D	12 Nov 2025 21:40	AR\AJ	Ok,M
19	PB170516BS	PS032385.D	12 Nov 2025 22:04	AR\AJ	Ok,M
20	PB170493TB	PS032386.D	12 Nov 2025 22:28	AR\AJ	Ok,M
21	Q3604-01	PS032387.D	12 Nov 2025 22:52	AR\AJ	Ok,M

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS111225

Review By	rahul	Review On	11/12/2025 9:03:10 AM
Supervise By	yogesh	Supervise On	11/13/2025 1:20:54 PM
SubDirectory	PS111225	HP Acquire Method	HP Processing Method ps110325 8151
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24945,PP25043,PP25044,PP25045,PP25047,PP25049		
CCC Internal Standard/PEM	PP25045		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24923		

22	Q3604-01MS	PS032388.D	12 Nov 2025 23:17	AR\AJ	Ok,M
23	Q3604-01MSD	PS032389.D	12 Nov 2025 23:41	AR\AJ	Ok,M
24	Q3604-02	PS032390.D	13 Nov 2025 00:05	AR\AJ	Ok,M
25	I.BLK	PS032391.D	13 Nov 2025 00:29	AR\AJ	Ok
26	HSTDCCC750	PS032392.D	13 Nov 2025 01:17	AR\AJ	Ok

M : Manual Integration

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS110325

Review By	rahul	Review On	11/3/2025 2:00:55 PM
Supervise By	yogesh	Supervise On	11/4/2025 10:21:04 AM
SubDirectory	PS110325	HP Acquire Method	HP Processing Method ps110325 8151

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	PP24945,PP25043,PP25044,PP25045,PP25047,PP25049
CCC	PP25045
Internal Standard/PEM	
ICV/I.BLK	PP24923
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PS032224.D	03 Nov 2025 08:52		AR\AJ	Ok
2	I.BLK	I.BLK	PS032225.D	03 Nov 2025 09:16		AR\AJ	Ok
3	HSTDICC200	HSTDICC200	PS032226.D	03 Nov 2025 09:40		AR\AJ	Ok,M
4	HSTDICC500	HSTDICC500	PS032227.D	03 Nov 2025 10:04		AR\AJ	Ok,M
5	HSTDICC750	HSTDICC750	PS032228.D	03 Nov 2025 10:28	com#10 fail	AR\AJ	Ok
6	HSTDICC1000	HSTDICC1000	PS032229.D	03 Nov 2025 10:52		AR\AJ	Ok
7	HSTDICC1500	HSTDICC1500	PS032230.D	03 Nov 2025 11:17		AR\AJ	Ok,M
8	HSTDICV750	ICVPS110325	PS032231.D	03 Nov 2025 11:47		AR\AJ	Ok
9	I.BLK	I.BLK	PS032232.D	03 Nov 2025 12:11		AR\AJ	Ok
10	HSTDCCC750	HSTDCCC750	PS032233.D	03 Nov 2025 12:35		AR\AJ	Ok,M
11	PB170320BL	PB170320BL	PS032234.D	03 Nov 2025 13:00		AR\AJ	Ok
12	PB170320BS	PB170320BS	PS032235.D	03 Nov 2025 13:24		AR\AJ	Ok
13	Q3469-01	TP-13	PS032236.D	03 Nov 2025 13:48		AR\AJ	Ok
14	Q3469-01MS	TP-13MS	PS032237.D	03 Nov 2025 14:12		AR\AJ	Not Ok
15	Q3469-01MSD	TP-13MSD	PS032238.D	03 Nov 2025 14:36		AR\AJ	Not Ok
16	I.BLK	I.BLK	PS032239.D	03 Nov 2025 15:00		AR\AJ	Ok
17	HSTDCCC750	HSTDCCC750	PS032240.D	03 Nov 2025 15:24		AR\AJ	Ok,M
18	PB170344BL	PB170344BL	PS032241.D	03 Nov 2025 15:48		AR\AJ	Ok,M

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS110325

Review By	rahul	Review On	11/3/2025 2:00:55 PM
Supervise By	yogesh	Supervise On	11/4/2025 10:21:04 AM
SubDirectory	PS110325	HP Acquire Method	HP Processing Method ps110325 8151
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24945,PP25043,PP25044,PP25045,PP25047,PP25049		
CCC	PP25045		
Internal Standard/PEM			
ICV/I.BLK	PP24923		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

19	Q3477-03	SOUTH-MAHWAH-WA	PS032242.D	03 Nov 2025 16:12		AR\AJ	Ok,M
20	PB170344BS	PB170344BS	PS032243.D	03 Nov 2025 16:37		AR\AJ	Ok
21	PB170344BSD	PB170344BSD	PS032244.D	03 Nov 2025 17:01		AR\AJ	Ok,M
22	Q3477-01	SOUTH-MAHWAH-SO	PS032245.D	03 Nov 2025 17:25		AR\AJ	Ok
23	Q3480-01	RT3449	PS032246.D	03 Nov 2025 17:49		AR\AJ	Ok
24	Q3486-01	TP3	PS032247.D	03 Nov 2025 18:13		AR\AJ	Ok,M
25	Q3486-03	TP4	PS032248.D	03 Nov 2025 18:37		AR\AJ	Ok,M
26	Q3486-05	TP5	PS032249.D	03 Nov 2025 19:01		AR\AJ	Ok,M
27	Q3519-01	PL-01-103125	PS032250.D	03 Nov 2025 19:25		AR\AJ	Ok,M
28	I.BLK	I.BLK	PS032251.D	03 Nov 2025 19:49		AR\AJ	Ok
29	HSTDCCC750	HSTDCCC750	PS032252.D	03 Nov 2025 20:14		AR\AJ	Ok,M
30	PB170383BL	PB170383BL	PS032253.D	03 Nov 2025 21:50		AR\AJ	Ok
31	PB170383BS	PB170383BS	PS032254.D	03 Nov 2025 22:14		AR\AJ	Ok
32	Q3469-01MS	TP-13MS	PS032255.D	03 Nov 2025 22:38	some compound recovery fail	AR\AJ	Ok,M
33	Q3469-01MSD	TP-13MSD	PS032256.D	03 Nov 2025 23:02	F flag in comp#3 , some compound recovery fail , RPD fail	AR\AJ	Ok,M
34	Q3515-01	SU-04-103125	PS032257.D	03 Nov 2025 23:26		AR\AJ	Ok
35	Q3516-01	HD-01-103125	PS032258.D	03 Nov 2025 23:51	Surrogate low 1st column,confirm with MS-MSD	AR\AJ	Ok,M
36	Q3516-01MS	HD-01-103125MS	PS032259.D	04 Nov 2025 00:15	F Flag in comp#6,13 . some compound recovery fail	AR\AJ	Ok,M

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS110325

Review By	rahul	Review On	11/3/2025 2:00:55 PM
Supervise By	yogesh	Supervise On	11/4/2025 10:21:04 AM
SubDirectory	PS110325	HP Acquire Method	HP Processing Method ps110325 8151
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24945,PP25043,PP25044,PP25045,PP25047,PP25049		
CCC	PP25045		
Internal Standard/PEM			
ICV/I.BLK	PP24923		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

37	Q3516-01MSD	HD-01-103125MSD	PS032260.D	04 Nov 2025 00:39	F Flag in comp#6,13 . some compound recovery fail , RPD Fail	AR\AJ	Ok,M
38	Q3520-01	EO-02-103125	PS032261.D	04 Nov 2025 01:03		AR\AJ	Ok,M
39	Q3486-07	TP6	PS032262.D	04 Nov 2025 01:27		AR\AJ	Ok
40	I.BLK	I.BLK	PS032263.D	04 Nov 2025 01:51		AR\AJ	Ok
41	HSTDCCC750	HSTDCCC750	PS032264.D	04 Nov 2025 02:15		AR\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS111225

Review By	rahul	Review On	11/12/2025 9:03:10 AM
Supervise By	yogesh	Supervise On	11/13/2025 1:20:54 PM
SubDirectory	PS111225	HP Acquire Method	HP Processing Method ps110325 8151
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24945,PP25043,PP25044,PP25045,PP25047,PP25049		
CCC	PP25045		
Internal Standard/PEM			
ICV/I.BLK	PP24923		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	I.BLK	I.BLK	PS032367.D	12 Nov 2025 09:02		AR\AJ	Ok,M
2	HSTDCCC750	HSTDCCC750	PS032368.D	12 Nov 2025 09:26		AR\AJ	Ok,M
3	Q3598-01	EO-CONCRETE	PS032369.D	12 Nov 2025 09:52		AR\AJ	Ok,M
4	Q3599-01	LIVINGSTON-SOIL	PS032370.D	12 Nov 2025 10:16		AR\AJ	Ok,M
5	Q3601-17	TP-5	PS032371.D	12 Nov 2025 10:40	All surrogate fail	AR\AJ	Not Ok
6	Q3601-05	TP-2	PS032372.D	12 Nov 2025 11:05		AR\AJ	Ok,M
7	I.BLK	I.BLK	PS032373.D	12 Nov 2025 14:20		AR\AJ	Ok,M
8	HSTDCCC750	HSTDCCC750	PS032374.D	12 Nov 2025 14:44		AR\AJ	Ok,M
9	PB170513BL	PB170513BL	PS032375.D	12 Nov 2025 17:15		AR\AJ	Ok,M
10	PB170513BS	PB170513BS	PS032376.D	12 Nov 2025 17:39		AR\AJ	Ok,M
11	Q3582-04RX	RT4912	PS032377.D	12 Nov 2025 18:03	Surrogate low in both column	AR\AJ	Confirms
12	Q3600-01	CENTRAL-ROW-CONC	PS032378.D	12 Nov 2025 18:27		AR\AJ	Ok,M
13	Q3600-01MS	CENTRAL-ROW-CONC	PS032379.D	12 Nov 2025 18:51	All surrogate fail and not match with original samples	AR\AJ	Not Ok
14	Q3600-01MSD	CENTRAL-ROW-CONC	PS032380.D	12 Nov 2025 19:15	All surrogate fail and not match with original samples	AR\AJ	Not Ok
15	Q3601-13RX	TP-4	PS032381.D	12 Nov 2025 19:40	surrogate low in both column	AR\AJ	Confirms
16	I.BLK	I.BLK	PS032382.D	12 Nov 2025 20:04		AR\AJ	Ok,M
17	HSTDCCC750	HSTDCCC750	PS032383.D	12 Nov 2025 20:28		AR\AJ	Ok,M

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS111225

Review By	rahul	Review On	11/12/2025 9:03:10 AM
Supervise By	yogesh	Supervise On	11/13/2025 1:20:54 PM
SubDirectory	PS111225	HP Acquire Method	HP Processing Method ps110325 8151
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24945,PP25043,PP25044,PP25045,PP25047,PP25049		
CCC	PP25045		
Internal Standard/PEM			
ICV/I.BLK	PP24923		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

18	PB170516BL	PB170516BL	PS032384.D	12 Nov 2025 21:40		AR\AJ	Ok,M
19	PB170516BS	PB170516BS	PS032385.D	12 Nov 2025 22:04		AR\AJ	Ok,M
20	PB170493TB	PB170493TB	PS032386.D	12 Nov 2025 22:28		AR\AJ	Ok,M
21	Q3604-01	S-1	PS032387.D	12 Nov 2025 22:52		AR\AJ	Ok,M
22	Q3604-01MS	S-1MS	PS032388.D	12 Nov 2025 23:17	Recovery fail	AR\AJ	Ok,M
23	Q3604-01MSD	S-1MSD	PS032389.D	12 Nov 2025 23:41	Recovery fail	AR\AJ	Ok,M
24	Q3604-02	S-2	PS032390.D	13 Nov 2025 00:05		AR\AJ	Ok,M
25	I.BLK	I.BLK	PS032391.D	13 Nov 2025 00:29		AR\AJ	Ok
26	HSTDCCC750	HSTDCCC750	PS032392.D	13 Nov 2025 01:17		AR\AJ	Ok

M : Manual Integration

SOP ID : M1311-TCLP-16
SDG No : N/A
Welgh By : JP
Balance ID : WC SC-7
pH Meter ID : WC PH METER-1
Extraction By : JP
Filter By : JP
Pippete ID : WC
Tumbler ID : ZHE-1 / ZHE-2
TCLP Filter ID : 60828725

Start Prep Date : 11/10/2025 **Time :** 16:10
End Prep Date : 11/11/2025 **Time :** 10:25
Combination Ratio : 20
ZHE Cleaning Batch : NA 10
Initial Room Temperature: 23 °C
Final Room Temperature: 22 °C
TCLP Technician Signature : 10
Supervisor By : 12

Standarded Name	MLS USED	STD REF. # FROM LOG
N/A	N/A	N/A
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 U	Lot Number
TCLP-FLUID-1	N/A	WP114525
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
40ml VOA Vials	4127	N/A

Extraction Conformance/Non-Conformance Comments:

ALL ZHE samples are extracted and given as vial A & B. Leck checked after 10 minutes of tumbling. TUMBLER
 ZHE-1 / ZHE-2 checked,30 rpm.

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
11/11/25 11:50	10 100 Room	5.4 100 Lab
	Preparation Group	Analysis Group

Sample ID	ClientID	ZHE Vessel ID	Sample Wt (g)	Volume Extraction Fluid #1 (mL)	Multi phasic	Phase Miscible	Phases Combined	Final Leachate PH	Metals Leachate Adj. PH	Prep Pos
PB170463TB	LEB463	13	N/A	500	N/A	N/A	N/A	N/A	N/A	ZHE-2
Q3577-04	WC-1A	01	25.02	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q3581-02	VNJ-238	02	25.03	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q3581-04	VNJ-245	03	25.02	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q3581-06	VNJ-240	04	25.01	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q3581-08	RBR200059	05	25.02	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q3598-02	EO-CONCRETE	06	25.03	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q3599-02	LIVINGSTON-SOIL	07	25.02	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q3601-04	TP-1	08	25.03	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q3601-08	TP-2	09	25.02	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q3601-12	TP-3	10	25.03	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q3601-16	TP-4	11	25.02	500	N/A	N/A	N/A	N/A	N/A	ZHE-2
Q3601-20	TP-5	12	25.01	500	N/A	N/A	N/A	N/A	N/A	ZHE-2

SampleID	ClientID	Sample Weight (g)	Filter Weight (g)	Filtrate (mL)	Filter + Solid (After 100°C)	% solids	% Dry Solids
PB170463TB	LEB463	N/A	N/A	N/A	N/A	N/A	N/A
Q3577-04	WC-1A	N/A	N/A	N/A	N/A	100	N/A
Q3581-02	VNJ-238	N/A	N/A	N/A	N/A	100	N/A
Q3581-04	VNJ-245	N/A	N/A	N/A	N/A	100	N/A
Q3581-06	VNJ-240	N/A	N/A	N/A	N/A	100	N/A
Q3581-08	RBR200059	N/A	N/A	N/A	N/A	100	N/A
Q3598-02	EO-CONCRETE	N/A	N/A	N/A	N/A	100	N/A
Q3599-02	LIVINGSTON-SOIL	N/A	N/A	N/A	N/A	100	N/A
Q3601-04	TP-1	N/A	N/A	N/A	N/A	100	N/A
Q3601-08	TP-2	N/A	N/A	N/A	N/A	100	N/A
Q3601-12	TP-3	N/A	N/A	N/A	N/A	100	N/A
Q3601-16	TP-4	N/A	N/A	N/A	N/A	100	N/A
Q3601-20	TP-5	N/A	N/A	N/A	N/A	100	N/A

WORKLIST(Hardcopy Internal Chain)

WorkList Name : TCLP ZHE Q3577 WorkList ID : 193006 Department : TCLP Extraction Date : 11-10-2025 10:44:45

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3577-04	WC-1A	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	D41	11/07/2025	1311 ZHE
Q3581-02	VNJ-238	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	D41	11/07/2025	1311 ZHE
Q3581-04	VNJ-245	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	D41	11/07/2025	1311 ZHE
Q3581-06	VNJ-240	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	D41	11/07/2025	1311 ZHE
Q3581-08	RBR200059	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	D41	11/07/2025	1311 ZHE
Q3598-02	EO-CONCRETE	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	D41	11/07/2025	1311 ZHE
Q3599-02	LIVINGSTON-SOIL	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	D41	11/10/2025	1311 ZHE
Q3601-04	TP-1	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	D41	11/10/2025	1311 ZHE
Q3601-08	TP-2	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	D41	11/10/2025	1311 ZHE
Q3601-12	TP-3	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	D41	11/10/2025	1311 ZHE
Q3601-16	TP-4	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	D41	11/10/2025	1311 ZHE
Q3601-20	TP-5	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	D41	11/10/2025	1311 ZHE

Date/Time 11/10/25 14:30
 Raw Sample Received by: [Signature]
 Raw Sample Relinquished by: [Signature]

Date/Time 11/10/25 17:30
 Raw Sample Received by: [Signature]
 Raw Sample Relinquished by: [Signature]

SOP ID: M8151A-Herbicide-23

Clean Up SOP #: N/A

Extraction Start Date : 11/12/2025

Matrix : Water

Extraction Start Time : 11:00

Weigh By: N/A

Extraction By: RS

Extraction End Date : 11/12/2025

Balance check: N/A

Filter By: RS

Extraction End Time : 17:25

Balance ID: N/A

pH Meter ID: N/A

Concentration By: EH

pH Strip Lot#: E3953

Hood ID: 4,7

Supervisor By : RUPESH

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	PP24929
Surrogate	1.0ML	5000 PPB	PP24999
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
Ether	N/A	E3969
Acidified Na2SO4	N/A	EP2662
NAOH 6N	N/A	EP2654
12N H2SO4	N/A	EP2653
ISO OCTANE	N/A	E3983
METHANOL	N/A	V14931
Diazomethane	N/A	EP2656
Hexane	N/A	E3981
NACL	N/A	M4459
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
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

Envap ID: N-EVAP-02

KD Bath Temperature: N/A

Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
11/12/25	RSCEX Lab	Y-P. Pest IP CS
17:30	Preparation Group	Analysis Group

Analytical Method: M8151A-Herbicide-23

Concentration Date: 11/12/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB170493TB	PB170493TB	TCLP Herbicide	100	6	RUPESH	ritesh	10			SEP-1
PB170516BL	HBLK516	TCLP Herbicide	1000	6	RUPESH	ritesh	10			2
PB170516BS	HLCSS16	TCLP Herbicide	1000	6	RUPESH	ritesh	10			3
Q3604-01	S-1	TCLP Herbicide	100	6	RUPESH	ritesh	10	A		4
Q3604-01MS	S-1MS	TCLP Herbicide	100	6	RUPESH	ritesh	10	A		5
Q3604-01MS D	S-1MSD	TCLP Herbicide	100	6	RUPESH	ritesh	10	A		6
Q3604-02	S-2	TCLP Herbicide	100	6	RUPESH	ritesh	10	A		7

RS
11/12

TCLP EXTRACTION LOGPAGE

PB170493

Sample ID	ClientID	TCLP Vessel ID	Sample Wt (g)	Volume Extraction Fluid #1 (mL)	Multi phasic	Phase Miscible	Phases Combined	Final Leachate PH	Metals Leachate Adj. PH	Prep Pos
PB170493TB	LEB493	03	N/A	2000	N/A	N/A	N/A	4.94	1.5	T-1
Q3604-01	S-1	01	100.02	2000	N/A	N/A	N/A	6.0	1.0	T-1
Q3604-02	S-2	02	100.03	2000	N/A	N/A	N/A	6.2	1.5	T-1

11/12/23
10:30

Prep Standard - Chemical Standard Summary

Order ID : Q3604

Test : TCLP Herbicide

Prepbatch ID : PB170516,

Sequence ID/Qc Batch ID: PS111225,

Standard ID :

EP2653,EP2654,EP2662,PP24921,PP24922,PP24923,PP24929,PP24945,PP24999,PP25043,PP25044,PP25045,PP25047,PP25049,

Chemical ID :

E3875,E3882,E3966,E3969,E3972,E3974,E3978,E3983,M6186,P12621,P12662,P12687,P13547,P13548,P13549,P13550,P14071,P14073,P14142,P14143,P14144,P14145,P14162,P8830,W3112,W3240,

Extractions 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>
3883	12N H2SO4 solution	EP2653	10/22/2025	04/22/2026	RUPESHKUMAR SHAH	None	None	Yogesh Patel
								11/06/2025

FROM 333.00000ml of M6186 + 667.00000ml of W3112 = Final Quantity: 1000.000 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>
3884	6 N NAOH	EP2654	10/22/2025	04/22/2026	RUPESHKUMAR SHAH	Extraction_SC ALE_2 (EX-SC-2)	None	Yogesh Patel
								11/06/2025

FROM 1000.00000ml of W3112 + 240.00000gram of E3882 = Final Quantity: 1000.000 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>
601	Acidified Sodium Sulphate 2	EP2662	11/04/2025	05/04/2026	RUPESHKUMAR SHAH	Extraction_SCALE_2 (EX-SC-2)	None	Evelyn Huang 11/04/2025
<u>FROM</u> 1000.00000ml of E3969 + 150.00000ml of M6186 + 3000.00000ml of E3875 = Final Quantity: 3000.000 gram								

<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	PP24921	08/07/2025	02/07/2026	Abdul Mirza	None	None	Yogesh Patel 09/22/2025
<u>FROM</u> 0.50000ml of P14071 + 1.00000ml of P13547 + 48.50000ml of E3966 = Final Quantity: 50.000 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>
1854	1000 PPB HERB MIX ICV STD	PP24922	08/07/2025	02/07/2026	Abdul Mirza	None	None	Yogesh Patel
								09/22/2025

FROM 0.50000ml of E3966 + 0.50000ml of PP24921 = 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>
1691	750 PPB ICV HERB STD	PP24923	08/07/2025	02/07/2026	Abdul Mirza	None	None	Yogesh Patel
								09/22/2025

FROM 0.25000ml of E3966 + 0.75000ml of PP24922 = 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>
1848	5000/500000 PPB Herbicide Spike (Free Acid)	PP24929	09/18/2025	03/18/2026	Abdul Mirza	None	None	Yogesh Patel
								09/19/2025

FROM 0.50000ml of P13550 + 1.00000ml of P13548 + 1.00000ml of P13549 + 47.50000ml of E3972 = Final Quantity: 50.000 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>
1321	2/200 PPM Herb Mega Mix	PP24945	09/30/2025	03/30/2026	Abdul Mirza	None	None	Yogesh Patel
								10/10/2025

FROM 0.20000ml of P8830 + 1.00000ml of P12621 + 1.00000ml of P12662 + 1.00000ml of P12687 + 1.00000ml of P14162 + 95.80000ml of E3974 = Final Quantity: 100.000 ml

[illegible]

<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	PP25043	11/07/2025	03/30/2026	Rahul Chavli	None	None	Yogesh Patel
<u>FROM</u> 0.25000ml of W3240 + 0.75000ml of PP24945 = 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>
1453	1000 PPB Herb MIX STD	PP25044	11/07/2025	03/30/2026	Rahul Chavli	None	None	Yogesh Patel
								11/10/2025

FROM 0.50000ml of W3240 + 0.50000ml of PP24945 = 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>
1454	750 PPB Herb MIX STD	PP25045	11/07/2025	03/30/2026	Rahul Chavli	None	None	Yogesh Patel
								11/10/2025

FROM 0.25000ml of W3240 + 0.75000ml of PP25044 = 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>
1455	500 PPB Herb MIX STD	PP25047	11/07/2025	05/07/2026	Rahul Chavli	None	None	Yogesh Patel
								11/10/2025

FROM

<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	PP25049	11/07/2025	03/30/2026	Rahul Chavli	None	None	Yogesh Patel
								11/10/2025

FROM 0.90000ml of W3240 + 0.10000ml of PP24945 = Final Quantity: 1.000 ml

CHEMICAL RECEIPT LOG BOOK

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	417203	07/28/2026	07/28/2025 / RUPESH	01/29/2025 / Rajesh	E3875

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	PC19510-5 / Sodium Hydroxide Pellets 2.5 Kg, Pk of 4	240301-B077875	01/31/2028	07/30/2025 /	02/24/2025 / RUPESH	E3882

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)	25C0362005	04/30/2026	08/22/2025 / RUPESH	08/20/2025 / RUPESH	E3966

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)	250419	05/31/2026	09/05/2025 / Riteshkumar	09/04/2025 / Riteshkumar	E3969

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)	24H1462005	05/24/2027	09/16/2025 / Evelyn	09/04/2025 / Riteshkumar	E3972

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)	25C0362006	04/10/2027	09/26/2025 / Riteshkumar	09/26/2025 / Riteshkumar	E3974

CHEMICAL RECEIPT LOG BOOK

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)	25C0362006	04/13/2026	10/13/2025 / RUPESH	10/08/2025 / Riteshkumar	E3978

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	J9335-3 / 2,2,4 TRIMETHYLPENTANE, RESI ANA,4L	M30L719	01/28/2027	11/03/2025 / RUPESH	10/29/2025 / RUPESH	E3983

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)	23D2462010	07/12/2026	08/13/2025 / Sagar	08/06/2025 / Sagar	M6186

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	A0154920	03/30/2026	09/30/2025 / Abdul	07/03/2023 / Abdul	P12621

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	A0199693	03/30/2026	09/30/2025 / Abdul	07/14/2023 / Ankita	P12662

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	03/30/2026	09/30/2025 / Abdul	07/24/2023 / Abdul	P12687

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	02/07/2026	08/07/2025 / Abdul	09/24/2024 / Abdul	P13547

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	02/07/2026	08/07/2025 / Abdul	09/24/2024 / Abdul	P13547

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	03/18/2026	09/18/2025 / Abdul	09/24/2024 / Abdul	P13548

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	03/18/2026	09/18/2025 / Abdul	09/24/2024 / Abdul	P13548

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	03/18/2026	09/18/2025 / Abdul	09/24/2024 / Abdul	P13549

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	03/18/2026	09/18/2025 / Abdul	09/24/2024 / Abdul	P13549

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	03/18/2026	09/18/2025 / Abdul	09/24/2024 / Abdul	P13550

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	03/18/2026	09/18/2025 / Abdul	09/24/2024 / Abdul	P13550

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	A0221255	02/07/2026	08/07/2025 / Abdul	06/23/2025 / anahy	P14071

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	A0221255	04/15/2026	10/15/2025 / Abdul	06/23/2025 / anahy	P14073

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	A0221255	10/31/2031	10/15/2025 / Abdul	08/01/2025 / yogesh	P14142

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	A0221255	04/15/2026	10/15/2025 / Abdul	08/01/2025 / yogesh	P14143

CHEMICAL RECEIPT LOG BOOK

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	A0221255	04/15/2026	10/15/2025 / Abdul	08/01/2025 / yogesh	P14144

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	A0221255	04/15/2026	10/15/2025 / Abdul	08/01/2025 / yogesh	P14145

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	03/30/2026	09/30/2025 / Abdul	09/26/2025 / Abdul	P14162

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32254 / Dalapon Methyl Ester, 1000 ug/ml	A0148063	03/30/2026	09/30/2025 / Abdul	08/16/2019 / Stephen	P8830

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	DIW / DI Water	Daily Lab-Certified	07/03/2029	07/03/2024 / Iwona	07/03/2024 / Iwona	W3112

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)	25C0362006	04/30/2026	09/15/2025 / JIGNESH	09/12/2025 / JIGNESH	W3240

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



Material No.: 9262-03

Batch No.: 25C0362006

Manufactured Date: 2025-01-29

Expiration Date: 2026-04-30

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 Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	6
ECD-Sensitive Impurities (as Ethylene Dibromide) - Single Impurity Peak (ng/mL)	≤ 5	4
Assay (Total Saturated C ₆ Isomers) (by GC, corrected for water)	$\geq 99.5 \%$	100.0 %
Assay (as n-Hexane) (by GC, corrected for water)	$\geq 95 \%$	100 %
Color (APHA)	≤ 10	10
Residue after Evaporation	≤ 1.0 ppm	0.2 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: United States

Packaging Site: Phillipsburg Mfg Ctr & DC

E 3974

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



**PRODUCTOS
QUÍMICOS
MONTERREY, S.A. DE C.V.**

MIRADOR 201, COL. MIRADOR
MONTERREY, N.L. MÉXICO
CP 64070
TEL +52 81 13 52 67 67
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:	MAY/23/2024
LOT NUMBER :	417203		

TEST	SPECIFICATIONS	LOT VALUES
Assay (Na ₂ SO ₄)	Min. 99.0%	99.8 %
pH of a 5% solution at 25°C	5.2 - 9.2	6.2
Insoluble matter	Max. 0.01%	0.001 %
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%	0.001 %
Magnesium (Mg)	Max. 0.005%	0.001 %
Potassium (K)	Max. 0.008%	0.001 %
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%	0.2 %
Retained on US Standard No. 60 sieve	Min. 94%	96.2 %
Through US Standard No. 60 sieve	Max. 5%	3.5 %
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.

RE-02-01, Ed. 3

E 3875



CERTIFICATE OF ANALYSIS

Product Name	Sodium Hydroxide Pellets
Grade	ACS/NF/EP/BP Grade
Catalog #	289ACSNFEPBP
Item #	103433
Batch #	240301-B077875
Date of Manufacture:	01 Feb 2024
Recommended Retest Date:	31 Jan 2028
Customer PO #	6058164
Packaging Type	Drum Fiber 50 Kg

TEST	MONO-GRAPH	SPECIFICATION	RESULT	UNITS
Assay	ACS	NLT 97.0%	98.7	%
Assay - Total Alkali	NF	95.0% - 100.5%	98.7	%
Assay - Content of Sodium	NF	54.0% - 59.8%	56.7	%
Appearance of solution	EP/BP	The solution is clear and colourless	Pass	N/A
Sodium Carbonate (Na ₂ CO ₃)	ACS	1.0% max.	0.5	%
Sodium Carbonate (Na ₂ CO ₃)	NF	3.0% max.	0.5	%
Carbonates	EP/BP	Maximum 2.0%, calculated as Na ₂ CO ₃	0.5	%
Sulfate (SO ₄)	ACS	0.003% max.	LT 0.002%	N/A
Sulfates	EP/BP	Maximum 200 ppm	LT 20 ppm	N/A
Chloride (Cl)	ACS	0.005% max.	LT 0.005%	N/A
Chlorides	EP/BP	Maximum 200 ppm	LT 50 ppm	N/A
Nitrogen Compounds (as N)	ACS	0.001% max.	LT 0.001%	N/A
Phosphate (PO ₄)	ACS	0.001% max.	LT 0.001%	N/A
Heavy Metals (as Ag)	ACS	0.002% max	LT 0.002%	N/A
Iron (Fe)	ACS	0.001% max.	LT 0.001%	N/A

E 3882	E 3884
E 3883	E 3885

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



Material No.: 9262-03
Batch No.: 25C0362005
Manufactured Date: 2025-01-29
Expiration Date: 2026-04-30
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 Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	6
ECD-Sensitive Impurities (as Ethylene Dibromide) - Single Impurity Peak (ng/mL)	≤ 5	5
Assay (Total Saturated C ₆ Isomers) (by GC, corrected for water)	$\geq 99.5\%$	100.0 %
Assay (as n-Hexane) (by GC, corrected for water)	$\geq 95\%$	100 %
Color (APHA)	≤ 10	10
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: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E 3966

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

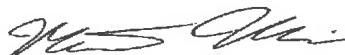
100 Matsonford Rd, Suite 200, Radnor, PA, 19087 U.S.A. Phone 610.386.1700

CERTIFICATE OF ANALYSIS

Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System Standard ISO9001:2015 by Intertek Global Certificate Number. CERT-0120633

Catalogue Number	E198
Lot Number	250419
Description	ETHYL ETHER, HPLC GRADE
CAS Number	60-29-7
Quality Test/Release Date	02/Jun/2025
Suggested retest date	31/May/2026
Country of Origin	Mexico
Declaration of Origin	Organic - synthetic
BSE/TSE	This product was derived from synthetic raw materials and the manufacturing process excluded contamination with any animal products.

Result Name	Units	Specifications	Test Value
APPEARANCE		REPORT	Clear, colorless liquid free of suspended matter
ASSAY	%	>= 99	99.95
CARBONYL COMPOUNDS	%	<= 0.001	<0.001
COLOR	APHA	<= 10	5
DENSITY AT 25 DEGREES C	GM/ML	Inclusive Between 0.708 - 0.710	0.710
EVAPORATION RESIDUE	ppm	<= 5	0.1
IDENTIFICATION	PASS/FAIL	= PASS TEST	PASS TEST
OPTICAL ABS AT 218 NM	ABSORBANCE UNITS	<= 1.00	0.15
OPTICAL ABS AT 254 NM	ABSORBANCE UNITS	<= 0.07	0.03
OPTICAL ABS AT 280 NM	ABSORBANCE UNITS	<= 0.02	0.003
OPTICAL ABS AT 350 NM	ABSORBANCE UNITS	<= 0.01	<0.001
PEROXIDE	ppm	<= 5	<1
PRESERVATIVE - ETHANOL	%	Inclusive Between 1.5 - 2.5	1.6
REFRACTIVE INDEX @ 25 DEG C		Inclusive Between 1.3490 - 1.3520	1.3498
SUBSTANCES DARKENED BY H2SO4	PASS/FAIL	= PASS TEST	PASS TEST
TITRATABLE ACID	MEQ/G	<= 0.0002	<0.00003
WATER (H2O)	%	<= 0.01	0.008



Matthew Micek
QC Supervisor

E 3969

Products are processed under ISO 9001:2015 quality management systems and samples are tested for conformance to the noted specifications. Certain data may have been supplied by third parties. We disclaim the implied warranties of merchantability and fitness for a particular purpose, and the accuracy of third-party data or information associated with the product. Products are for research use or further manufacturing. Products are not for direct administration to humans or animals. It is the responsibility of the final formulator or end user to determine suitability, and to qualify and/or validate each product for its intended use.

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™



Material No.: 9254-03

Batch No.: 24H1462005

Manufactured Date: 2024-05-24

Expiration Date: 2027-05-24

Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ((CH ₃) ₂ CO) (by GC, corrected for water)	>= 99.4 %	99.8 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.2 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 %	0.2 %
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

E3972

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

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

 **avantorsTM**



Material No.: 9262-03

Batch No.: 25C0362006

Manufactured Date: 2025-01-29

Expiration Date: 2026-04-30

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 Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	6
ECD-Sensitive Impurities (as Ethylene Dibromide) - Single Impurity Peak (ng/mL)	≤ 5	4
Assay (Total Saturated C ₆ Isomers) (by GC, corrected for water)	$\geq 99.5\%$	100.0 %
Assay (as n-Hexane) (by GC, corrected for water)	$\geq 95\%$	100 %
Color (APHA)	≤ 10	10
Residue after Evaporation	≤ 1.0 ppm	0.2 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: United States

Packaging Site: Phillipsburg Mfg Ctr & DC

E 3978



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

Certificate of Analysis

Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System
Standard ISO9001:2015 by TUV SUD America Certification Number: 951001163

Catalogue Number: 031787
LOT Number: M30L719
CAS Number: 540-84-1
Description: 2,2,4-Trimethylpentane, ACS, 99+%
Quality Test/Release Date: 28/Jan/2025
Retest Date: 28/Jan/2027
Country of Origin: Germany
Declaration of Origin: Synthetic

Result Name	Units	Specification	Test Value
Color (APHA)		10, max	5
Assay (GC)	%	>99.0%	99.94
Appearance (Color)		Colorless	Colorless
Free acid (titration)	meq/g	0.003meq/g, max (in the water soluble fraction)	0.0001
Form		Liquid	Liquid
Impurity content	%	Sulfur compounds (as S): 0.005%, max	<0.0001
Residue on Evaporation	%	0.001%, max	<0.00003

Additional Information

Certified by:

Seth Christopher

Mr. Seth Christopher.
Quality Manager – Ward Hill

Received on 10/29/25

E3983

Products are processed under ISO 9001:2015 quality management systems and samples are tested for conformance to the noted specifications. Certain data may have been supplied by third parties. We disclaim the implied warranties of merchantability and fitness for a particular purpose, and the accuracy of third-party data or information associated with the product. Products are for research and development use only. Products are not for direct administration to humans or animals. It is the responsibility of the final formulator or end user to determine suitability, and to qualify and/or validate each product for its intended use.

Sulfuric Acid
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis
Low Selenium

avantor™



M6186

Reciev Date :- 08/06/25

Material No.: 9673-33
Batch No.: 23D2462010
Manufactured Date: 2023-03-22
Retest Date: 2028-03-20
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
ACS - Assay (H ₂ SO ₄)	95.0 - 98.0 %	96.1 %
Appearance	Passes Test	Passes Test
ACS - Color (APHA)	≤ 10	5
ACS - Residue after Ignition	≤ 3 ppm	< 1 ppm
ACS - Substances Reducing Permanganate (as SO ₂)	≤ 2 ppm	< 2 ppm
Ammonium (NH ₄)	≤ 1 ppm	1 ppm
Chloride (Cl)	≤ 0.1 ppm	< 0.1 ppm
Nitrate (NO ₃)	≤ 0.2 ppm	< 0.1 ppm
Phosphate (PO ₄)	≤ 0.5 ppm	< 0.1 ppm
Trace Impurities - Aluminum (Al)	≤ 30.0 ppb	< 5.0 ppb
Arsenic and Antimony (as As)	≤ 4.0 ppb	< 2.0 ppb
Trace Impurities - Boron (B)	≤ 10.0 ppb	8.5 ppb
Trace Impurities - Cadmium (Cd)	≤ 2.0 ppb	< 0.3 ppb
Trace Impurities - Chromium (Cr)	≤ 6.0 ppb	< 0.4 ppb
Trace Impurities - Cobalt (Co)	≤ 0.5 ppb	< 0.3 ppb
Trace Impurities - Copper (Cu)	≤ 1.0 ppb	< 0.1 ppb
Trace Impurities - Gold (Au)	≤ 10.0 ppb	0.5 ppb
Heavy Metals (as Pb)	≤ 500.0 ppb	< 100.0 ppb
Trace Impurities - Iron (Fe)	≤ 50.0 ppb	1.3 ppb
Trace Impurities - Lead (Pb)	≤ 0.5 ppb	< 0.5 ppb
Trace Impurities - Magnesium (Mg)	≤ 7.0 ppb	0.8 ppb
Trace Impurities - Manganese (Mn)	≤ 1.0 ppb	< 0.4 ppb
Trace Impurities - Mercury (Hg)	≤ 0.5 ppb	< 0.1 ppb
Trace Impurities - Nickel (Ni)	≤ 2.0 ppb	0.3 ppb
Trace Impurities - Potassium (K)	≤ 500.0 ppb	< 2.0 ppb
Trace Impurities - Selenium (Se)	≤ 50.0 ppb	< 0.1 ppb
Trace Impurities - Silicon (Si)	≤ 100.0 ppb	31.5 ppb
Trace Impurities - Silver (Ag)	≤ 1.0 ppb	< 0.3 ppb

>>> Continued on page 2 >>>

Sulfuric Acid
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis
Low Selenium



Material No.: 9673-33
Batch No.: 23D2462010

Test	Specification	Result
Trace Impurities – Sodium (Na)	≤ 500.0 ppb	5.4 ppb
Trace Impurities – Strontium (Sr)	≤ 5.0 ppb	< 0.2 ppb
Trace Impurities – Tin (Sn)	≤ 5.0 ppb	< 0.8 ppb
Trace Impurities – Zinc (Zn)	≤ 5.0 ppb	0.4 ppb

For Laboratory, Research, or Manufacturing Use

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



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

www.restek.com

CERTIFIED REFERENCE MATERIAL

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. : 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:

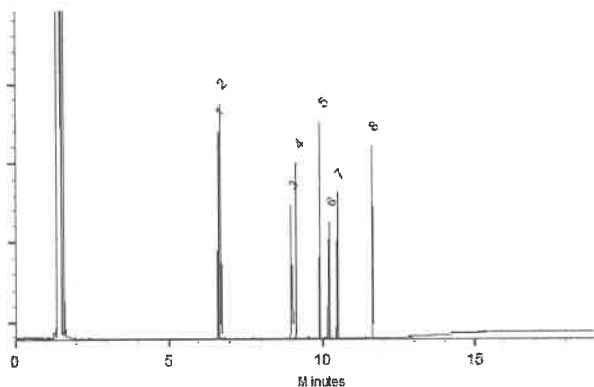
250°C

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 Alberson
 Justine Alberson - 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.:** A0199693

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 : July 31, 2030 **Storage:** 10°C or colder

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

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	1813500	99%	202.0 µg/mL	+/- 3.4272
2	Dichlorprop methyl ester	57153-17-0	8578700	98%	201.9 µg/mL	+/- 3.4251
3	2,4-D methyl ester	1928-38-7	10048000	99%	202.0 µg/mL	+/- 3.4272
4	2,4,5-TP (silvex) methyl ester	4841-20-7	504400	99%	202.0 µg/mL	+/- 3.4272
5	2,4,5-T methyl ester	1928-37-6	6875800	98%	201.9 µg/mL	+/- 3.4251
6	Dinoseb methyl ether	6099-79-2	9239100	99%	202.0 µg/mL	+/- 3.4272
7	2,4-DB methyl ester	18625-12-2	6847200	99%	202.0 µg/mL	+/- 3.4272

* Expanded Uncertainty displayed in same units as Grav. Conc.

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

P12660
↓
P12664

AJ
07/11/23

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:

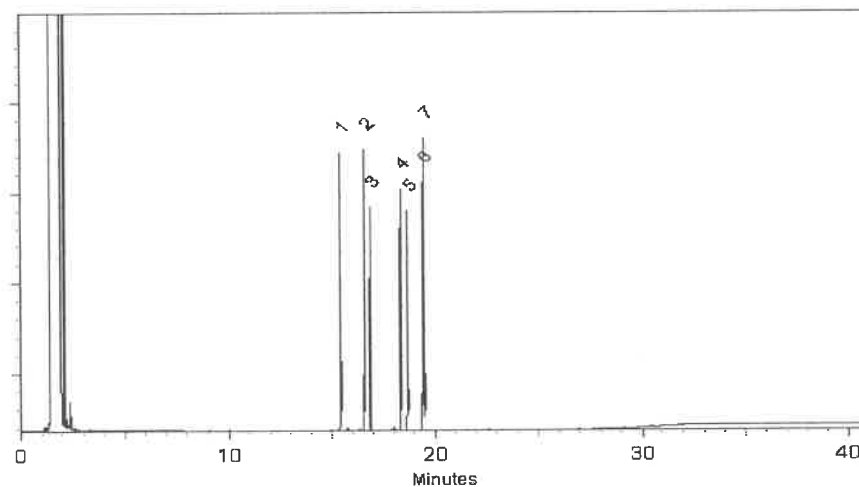
FID

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.

Nick Yaw
Nick Yaw - Operations Tech I

Date Mixed: 07-Jul-2023

Balance Serial # 1128360905

Christie Mills
Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 11-Jul-2023

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. : 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
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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:

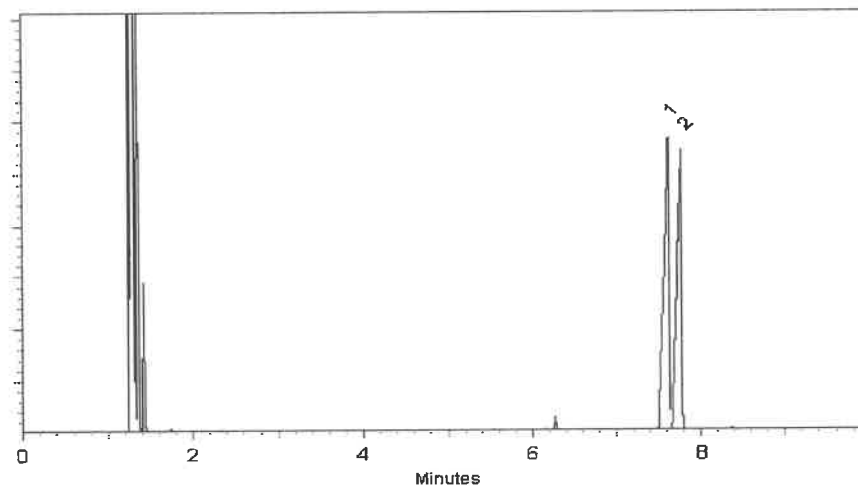
FID

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

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.

P13541
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P13561
20
9/25/2024

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
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:

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P13541
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P13561
20
9/25/2024

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
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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:

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Traceability:

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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.

P13541
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P13561
20
9/25/2024

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
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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:

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Traceability:

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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.

P13541
↓
P13561
20
9/25/2024



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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. : 32050 **Lot No.:** A0221255

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 : October 31, 2031 **Storage:** 10°C or colder

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

P14064
↓
P14073 } AC
6/23/25

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4-Dichlorophenyl acetic acid methyl ester	55954-23-9	13054200	99%	202.0 µg/mL	+/- 3.4272

* Expanded Uncertainty displayed in same units as Grav. Conc.

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



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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

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Catalog No. : 32050 **Lot No.:** A0221255

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 : October 31, 2031 **Storage:** 10°C or colder

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

P14064
↓
P14073 } AC
6/23/25

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4-Dichlorophenyl acetic acid methyl ester	55954-23-9	13054200	99%	202.0 µg/mL	+/- 3.4272

* Expanded Uncertainty displayed in same units as Grav. Conc.

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



CERTIFIED REFERENCE MATERIAL

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

www.restek.com

Certificate of Analysis



ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01



ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

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. : 32254 **Lot No.:** A0148063
Description : Dalapon methyl ester Standard
Dalapon methyl ester 1000µg/mL, Methanol, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : April 30, 2026 **Storage:** 10°C or colder
Handling: This product is photosensitive.

Received by
SG on 8/16/19
P8828
P8826

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)
1	Dalapon methyl ester	999.6 µg/mL	+/- 10.0697 µg/mL Gravimetric
	CAS # 17640-02-7 (Lot 1764600)		+/- 34.4896 µg/mL Unstressed
	Purity 98%		+/- 34.4896 µg/mL Stressed

Solvent: Methanol
CAS # 67-56-1
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:

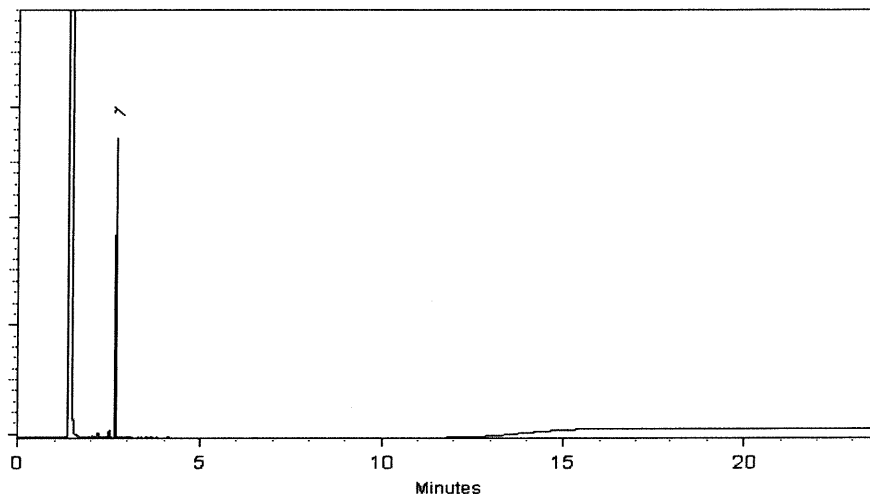
250°C

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.

Russ Bookhamer - Operations Technician I

Date Mixed: 11-Apr-2019

Balance: 1127510105

Feng-Yin Lo - QC Analyst

Date Passed: 15-Apr-2019

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

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

 **avantorsTM**



W3240
JP
Op4tel. 07/15/2025

Material No.: 9262-03
Batch No.: 25C0362006
Manufactured Date: 2025-01-29
Expiration Date: 2026-04-30
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	6
ECD-Sensitive Impurities (as EthyleneDibromide) - Single Impurity Peak (ng/mL)	≤ 5	4
Assay (Total Saturated C ₆ Isomers) (by GC, corrected for water)	$\geq 99.5 \%$	100.0 %
Assay (as n-Hexane) (by GC, corrected for water)	$\geq 95 \%$	100 %
Color (APHA)	≤ 10	10
Residue after Evaporation	≤ 1.0 ppm	0.2 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: United States
Packaging Site: Phillipsburg Mfg Ctr & DC



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



SHIPPING DOCUMENTS

CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY: Roman EIC
ADDRESS: 14 OGDEN ST
CITY: NEWARK STATE: NJ ZIP: 07104
ATTENTION: AMANDA Gentle
PHONE: 973-634 8218 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: New Brunswick LSRP
PROJECT NO.: 25-717 LOCATION: New Brunswick
PROJECT MANAGER: Amanda Gentle
e-mail: Engineer@Romaneg.com
PHONE: 973-634-8218 FAX:

CLIENT BILLING INFORMATION

BILL TO: Roman EIC PO#: 25-717
ADDRESS: 14 OGDEN ST
CITY: NEWARK STATE: NJ ZIP: 07104
ATTENTION: Frank Hotaling PHONE: 973-482-1123

ANALYSIS

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): _____ DAYS*
EDD: ASAP DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

☐ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)
☐ Level 2 (Results + QC) ☐ NJ Reduced ☐ US EPA CLP
☐ Level 3 (Results + QC) ☐ NYS ASP A ☐ NYS ASP B
+ Raw Data ☐ Other _____
☐ EDD FORMAT _____

1 2 3 4 5 6 7 8 9

PRESERVATIVES

COMMENTS

← Specify Preservatives
A-HCl D-NaOH
B-HNO3 E-ICE
C-H2SO4 F-OTHER

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES									COMMENTS
			COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	9	
1. S-1	NB LSRP Stockpile	S			11/10	2:40 PM	3										
2. S-2	NB LSRP Stockpile	S			11/10	2:45 PM	3										
3.																	
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP
1. <u>Karen Amode</u>	<u>11/10/25</u>	<u>[Signature]</u> <u>11/10/25</u>	<u>15.76 °C NO ICE</u>
RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:	Comments: <u>SAMPLER FROM Stock Pile at 19 Home Newark</u>
2.	<u>2:40</u>	<u>[Signature]</u>	<u>taken AT Sfr Deep / Field sample As per</u>
RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:	<u>Sketch Attached</u>
3.			

Page ____ of CLIENT: ☐ Hand Delivered ☐ Other Shipment Complete
☐ YES ☐ NO

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