

Cover Page

Order ID : Q3092

Project ID : PGW Phila. Gas Works

Client : Atlantic Recovery Services, Inc.

Lab Sample Number	Client Sample Number
Q3092-01	291376
Q3092-02	291376
Q3092-03	279182
Q3092-04	279182

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : _____

Date: 9/20/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q3092

Completed

For thorough review, the report must have the following:

GENERAL:

Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)

✓

Check chain-of-custody for proper relinquish/return of samples

✓

Is the chain of custody signed and complete

✓

Check internal chain-of-custody for proper relinquish/return of samples /sample extracts

✓

Collect information for each project id from server. Were all requirements followed

✓

COVER PAGE:

Do numbers of samples correspond to the number of samples in the Chain of Custody on login page

✓

Do lab numbers and client Ids on cover page agree with the Chain of Custody

✓

CHAIN OF CUSTODY:

Do requested analyses on Chain of Custody agree with form I results

✓

Do requested analyses on Chain of Custody agree with the log-in page

✓

Were the correct method log-in for analysis according to the Analytical Request and Chain of Custody

✓

Were the samples received within hold time

✓

Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle

✓

ANALYTICAL:

Was method requirement followed?

✓

Was client requirement followed?

✓

Does the case narrative summarize all QC failure?

✓

All runlogs and manual integration are reviewed for requirements

✓

All manual calculations and /or hand notations verified

✓

QA Review Signature: MAHESH PATEL

Date: 09/20/2025

LAB CHRONICLE

OrderID: Q3092
Client: Atlantic Recovery Services, Inc.
Contact: Kenny Pyle

OrderDate: 9/12/2025 12:02:28 PM
Project: PGW Phila. Gas Works
Location: D41

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3092-02	291376	TCLP			09/12/25			09/12/25
			TCLP Herbicide	8151A		09/22/25	09/22/25	
			TCLP Pesticide	8081B		09/22/25	09/22/25	
Q3092-04	279182	TCLP			09/12/25			09/12/25
			TCLP Herbicide	8151A		09/22/25	09/22/25	
			TCLP Pesticide	8081B		09/22/25	09/22/25	



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

Hit Summary Sheet
SW-846

SDG No.: Q3092

Order ID: Q3092

Client: Atlantic Recovery Services, Inc.

Project ID: PGW Phila. Gas Works

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.: Q3092

Client: Atlantic Recovery Services, Inc.

Analytical Method: 8151A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%)	
								Low	High
I.BLK-PS031667.D	PIBLK-PS031667.D	2,4-DCAA	1	500	445	89		61	136
		2,4-DCAA	2	500	525	105		61	136
I.BLK-PS031781.D	PIBLK-PS031781.D	2,4-DCAA	1	500	490	98		61	136
		2,4-DCAA	2	500	541	108		61	136
PB169784BL	PB169784BL	2,4-DCAA	1	500	432	86		61	136
		2,4-DCAA	2	500	462	92		61	136
PB169784BS	PB169784BS	2,4-DCAA	1	500	613	123		61	136
		2,4-DCAA	2	500	545	109		61	136
PB169677TB	PB169677TB	2,4-DCAA	1	500	398	80		61	136
		2,4-DCAA	2	500	446	89		61	136
Q3092-02	291376	2,4-DCAA	1	500	524	105		61	136
		2,4-DCAA	2	500	584	117		61	136
Q3092-02MS	291376MS	2,4-DCAA	1	500	503	101		61	136
		2,4-DCAA	2	500	513	103		61	136
Q3092-02MSD	291376MSD	2,4-DCAA	1	500	451	90		61	136
		2,4-DCAA	2	500	526	105		61	136
I.BLK-PS031793.D	PIBLK-PS031793.D	2,4-DCAA	1	500	499	100		61	136
		2,4-DCAA	2	500	532	106		61	136
Q3092-04	279182	2,4-DCAA	1	500	408	82		61	136
		2,4-DCAA	2	500	484	97		61	136
I.BLK-PS031805.D	PIBLK-PS031805.D	2,4-DCAA	1	500	517	103		61	136
		2,4-DCAA	2	500	569	114		61	136

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q3092</u>	Analytical Method:	<u>8151A</u>
Client:	<u>Atlantic Recovery Services, Inc.</u>	DataFile :	<u>PS031791.D</u>

		Sample				Rec		RPD		Limits	
	Parameter	Spike	Result	Result	Units	Rec	Qual	RPD	Qual	Low	High
Lab Sample ID:	Q3092-02MS	Client Sample ID:		291376MS							
	(Column 1)										
	2,4-D	50	0	58.6	ug/L	117				65	135
	2,4,5-TP(Silvex)	50	0	55.2	ug/L	110				62	139
Lab Sample ID:	Q3092-02MS	Client Sample ID:		291376MS							
	(Column 2)										
	2,4-D	50	0	58.0	ug/L	116				65	135
	2,4,5-TP(Silvex)	50	0	51.0	ug/L	102				62	139

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q3092</u>	Analytical Method:	<u>8151A</u>
Client:	<u>Atlantic Recovery Services, Inc.</u>	DataFile :	<u>PS031792.D</u>

	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	Q3092-02MSD (Column 1)		Client Sample ID:	291376MSD								
	2,4-D	50	0	58.6	ug/L	117		0		65	135	20
	2,4,5-TP(Silvex)	50	0	55.4	ug/L	111		1		62	139	20
Lab Sample ID:	Q3092-02MSD (Column 2)		Client Sample ID:	291376MSD								
	2,4-D	50	0	58.3	ug/L	117		1		65	135	20
	2,4,5-TP(Silvex)	50	0	51.1	ug/L	102		0		62	139	20



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Fax : 908 789 8922

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3092

Analytical Method: 8151A

Client: Atlantic Recovery Services, Inc.

Datafile : PS031786.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD	Low	Limits	RPD
								Qual		High	
PB169784BS (Column 1)	2,4-D	5	5.00	ug/L	100				83	130	
	2,4,5-TP(Silvex)	5	5.90	ug/L	118				78	127	
PB169784BS (Column 2)	2,4-D	5	5.10	ug/L	102				83	130	
	2,4,5-TP(Silvex)	5	5.40	ug/L	108				78	127	

4C

PESTICIDE METHOD BLANK SUMMARY

Client ID

PB169784BL

Lab Name: Alliance

Contract: ATLA10

Lab Code: ACE

SDG NO.: Q3092

Lab Sample ID: PB169784BL

Lab File ID: PS031785.D

Matrix: (soil/water) water

Extraction: (Type) SEPF

Sulfur Cleanup: (Y/N) N

Date Extracted: 09/22/2025

Date Analyzed (1): 09/22/2025

Date Analyzed (2): 09/22/2025

Time Analyzed (1): 17:52

Time Analyzed (2): 17:52

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
PB169784BS	PB169784BS	PS031786.D	09/22/2025	09/22/2025
PB169677TB	PB169677TB	PS031787.D	09/22/2025	09/22/2025
291376	Q3092-02	PS031790.D	09/22/2025	09/22/2025
291376MS	Q3092-02MS	PS031791.D	09/22/2025	09/22/2025
291376MSD	Q3092-02MSD	PS031792.D	09/22/2025	09/22/2025
279182	Q3092-04	PS031795.D	09/22/2025	09/22/2025

COMMENTS: _____



SAMPLE DATA

Report of Analysis

Client:	Atlantic Recovery Services, Inc.	Date Collected:	
Project:	PGW Phila. Gas Works	Date Received:	09/22/25
Client Sample ID:	PB169677TB	SDG No.:	Q3092
Lab Sample ID:	PB169677TB	Matrix:	TCLP
Analytical Method:	8151A	% Solid:	0 Decanted:
Sample Wt/Vol:	100 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	8151A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS031787.D	1	09/22/25 10:20	09/22/25 18:40	PB169784

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	9.20	U	9.20	20.0	ug/L
93-72-1	2,4,5-TP (Silvex)	7.80	U	7.80	20.0	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	446		61 - 136	89%	SPK: 500

Comments:

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\PS092225\
Data File : PS031787.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Sep 2025 18:40
Operator : AR\AJ
Sample : PB269677TB (Sig #1); PB269672TB (Sig #2)
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
PB169677TB

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 01:49:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS090925.M
Quant Title : 8080.M
QLast Update : Tue Sep 09 13:56:38 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	7.285	7.744	1434.5E6	405.5E6	398.289	446.137

Target Compounds

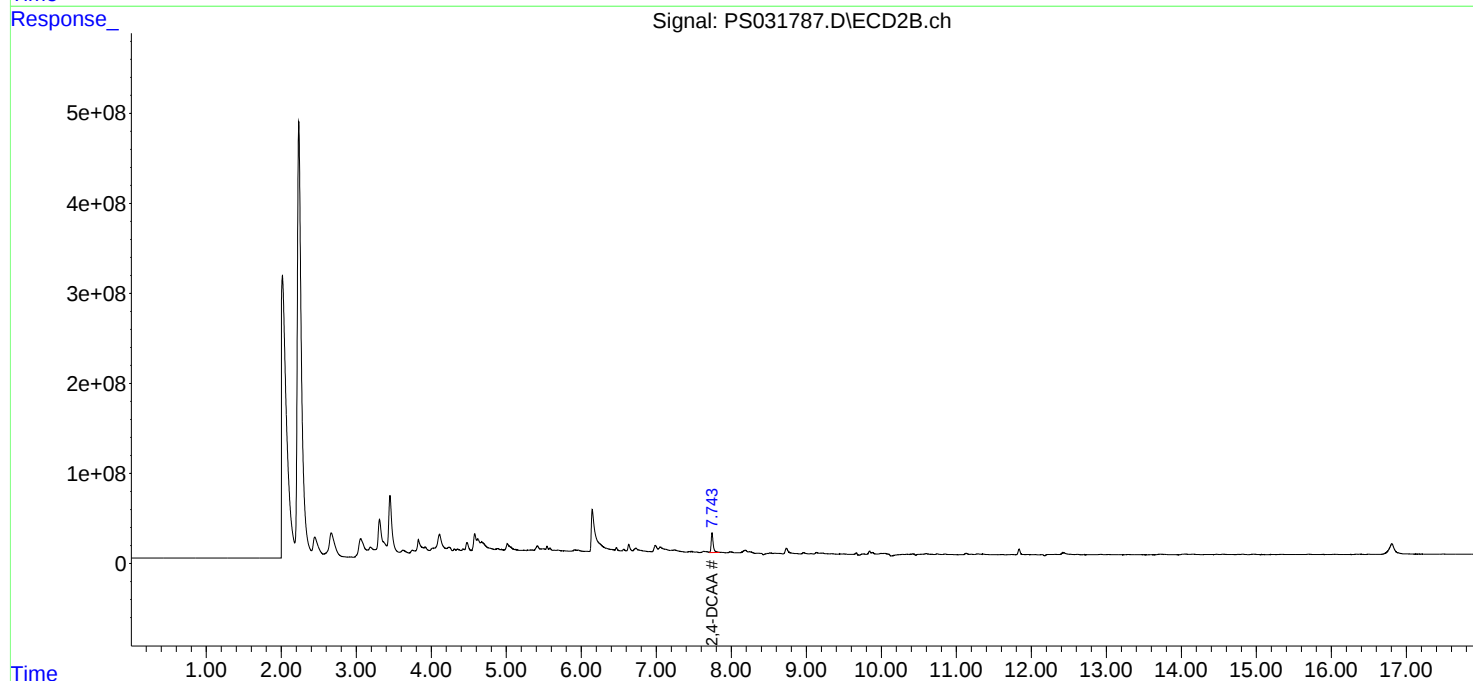
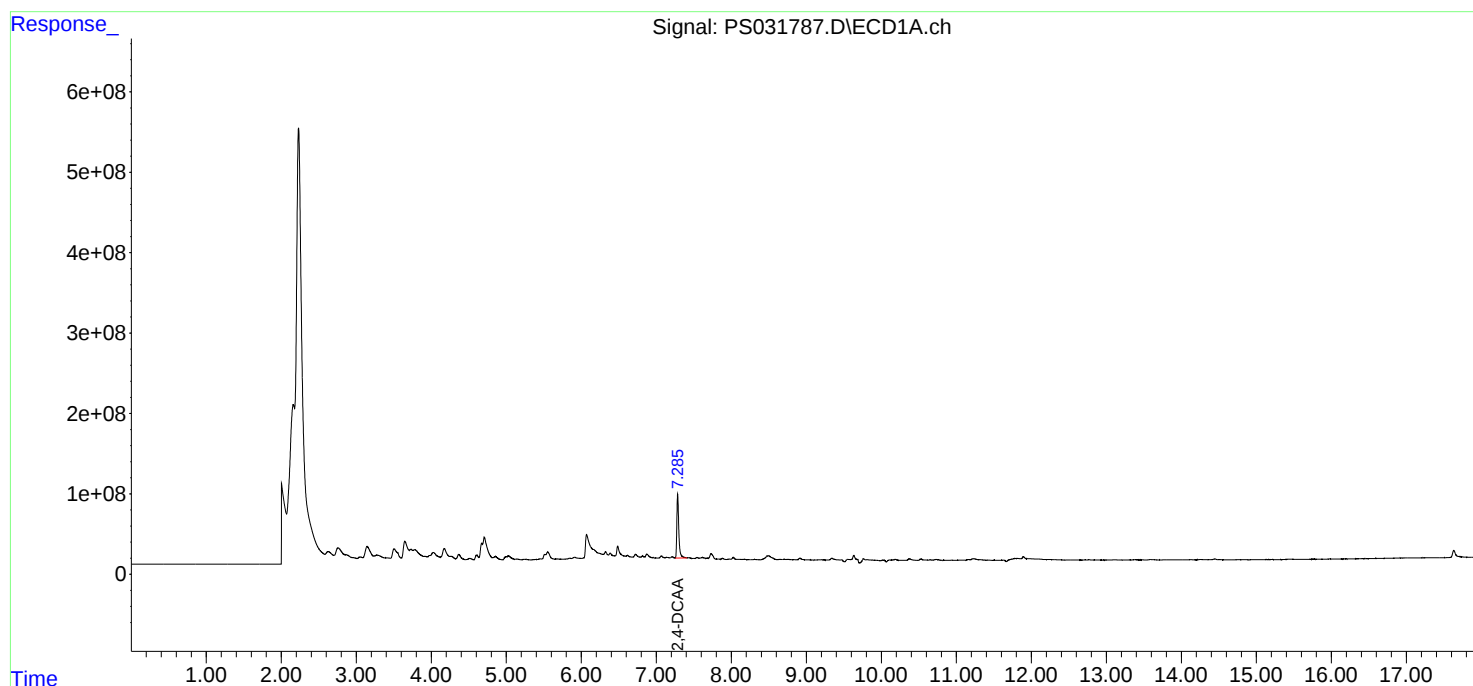
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

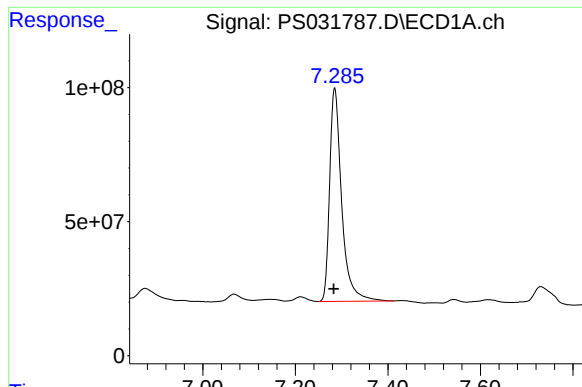
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS092225\
Data File : PS031787.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Sep 2025 18:40
Operator : AR\AJ
Sample : PB269677TB (Sig #1); PB269672TB (Sig #2)
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
PB169677TB

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 01:49:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS090925.M
Quant Title : 8080.M
QLast Update : Tue Sep 09 13:56:38 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

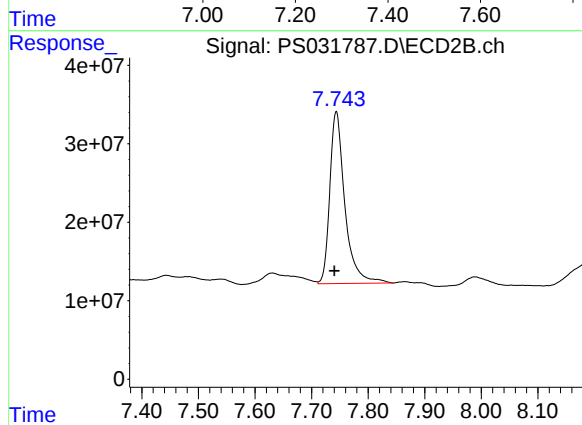




#4 2,4-DCAA

R.T.: 7.285 min
Delta R.T.: 0.002 min
Response: 1434450368
Conc: 398.29 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB169677TB



#4 2,4-DCAA

R.T.: 7.744 min
Delta R.T.: 0.003 min
Response: 405494016
Conc: 446.14 ng/ml

Report of Analysis

Client:	Atlantic Recovery Services, Inc.	Date Collected:	09/12/25
Project:	PGW Phila. Gas Works	Date Received:	09/12/25
Client Sample ID:	291376	SDG No.:	Q3092
Lab Sample ID:	Q3092-02	Matrix:	TCLP
Analytical Method:	8151A	% Solid:	0
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	TCLP Herbicide
GPC Factor :	1.0	PH :	
Prep Method :	8151A	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS031790.D	1	09/22/25 10:20	09/22/25 19:53	PB169784

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	9.20	U	9.20	20.0	ug/L
93-72-1	2,4,5-TP (Silvex)	7.80	U	7.80	20.0	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	584		61 - 136	117%	SPK: 500

Comments:

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\PS092225\
Data File : PS031790.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Sep 2025 19:53
Operator : AR\AJ
Sample : Q3092-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
291376

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 01:50:17 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS090925.M
Quant Title : 8080.M
QLast Update : Tue Sep 09 13:56:38 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	7.285	7.743	1885.5E6	530.6E6	523.541	583.811

Target Compounds

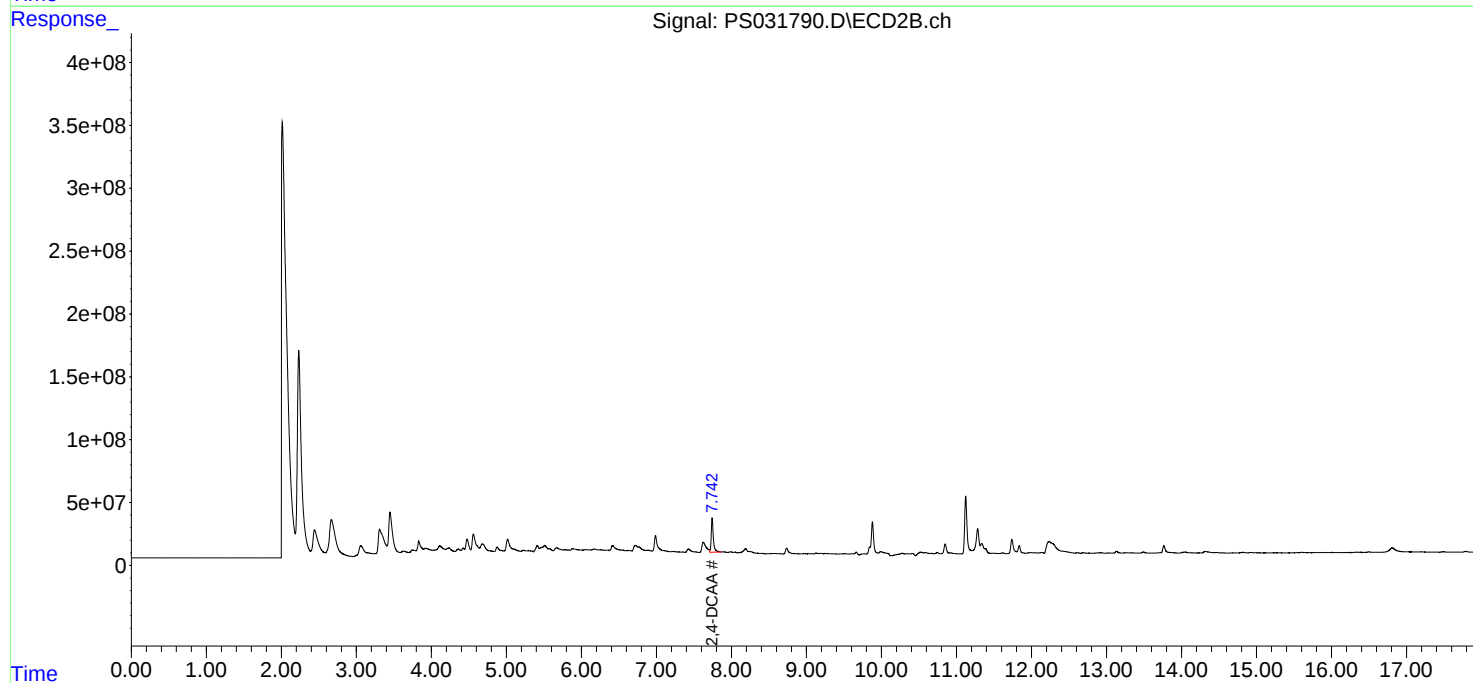
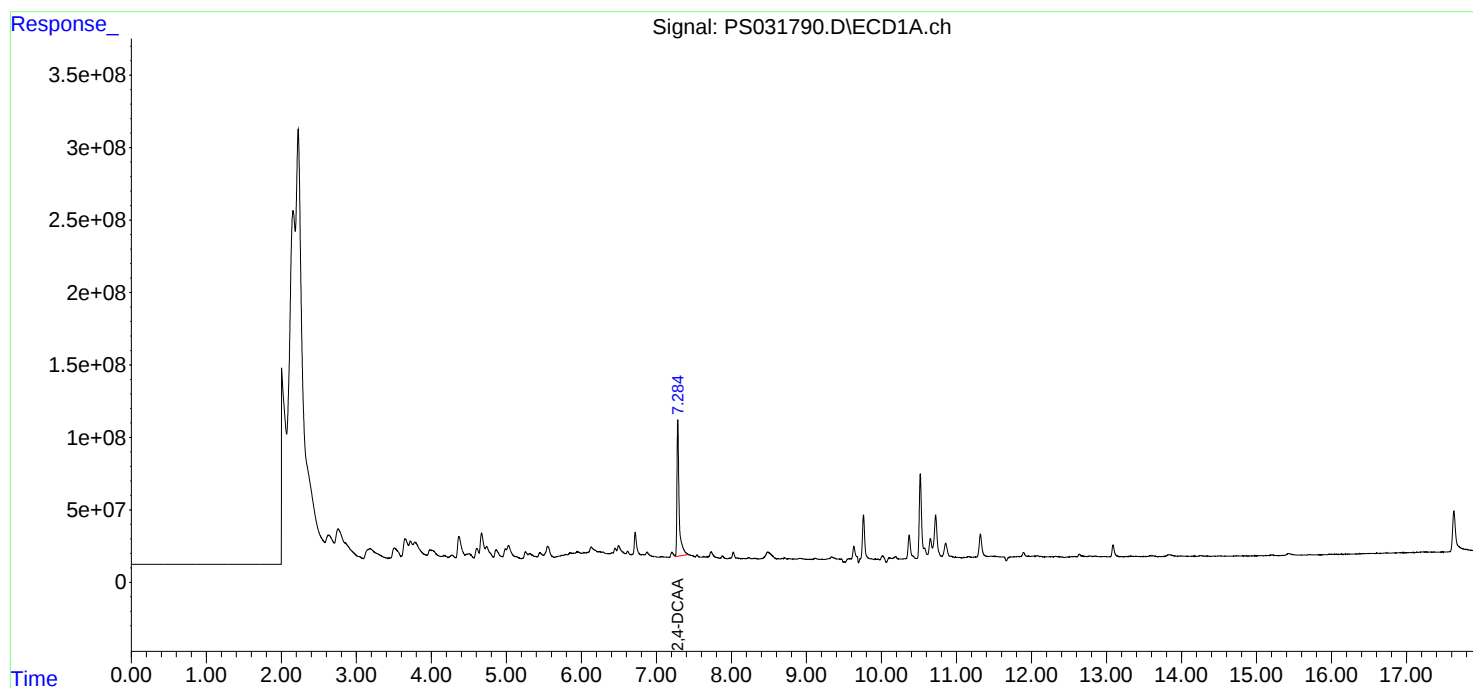
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

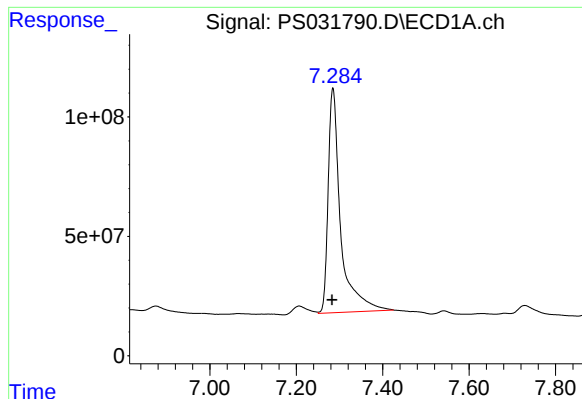
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS092225\
Data File : PS031790.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Sep 2025 19:53
Operator : AR\AJ
Sample : Q3092-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
291376

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 01:50:17 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS090925.M
Quant Title : 8080.M
QLast Update : Tue Sep 09 13:56:38 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

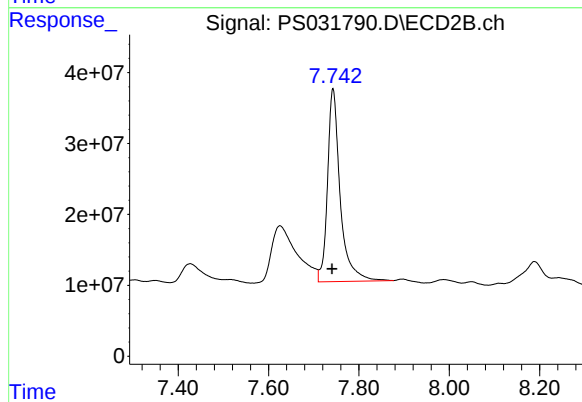




#4 2,4-DCAA

R.T.: 7.285 min
Delta R.T.: 0.002 min
Response: 1885548501
Conc: 523.54 ng/ml

Instrument :
ECD_S
ClientSampleId :
291376



#4 2,4-DCAA

R.T.: 7.743 min
Delta R.T.: 0.002 min
Response: 530625577
Conc: 583.81 ng/ml

Report of Analysis

Client:	Atlantic Recovery Services, Inc.	Date Collected:	09/12/25
Project:	PGW Phila. Gas Works	Date Received:	09/12/25
Client Sample ID:	279182	SDG No.:	Q3092
Lab Sample ID:	Q3092-04	Matrix:	TCLP
Analytical Method:	8151A	% Solid:	0
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	TCLP Herbicide
GPC Factor :	1.0	PH :	
Prep Method :	8151A	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS031795.D	1	09/22/25 10:20	09/22/25 22:18	PB169784

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	9.20	U	9.20	20.0	ug/L
93-72-1	2,4,5-TP (Silvex)	7.80	U	7.80	20.0	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	484		61 - 136	97%	SPK: 500

Comments:

U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
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J = Estimated Value
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 * = 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\PS092225\
Data File : PS031795.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Sep 2025 22:18
Operator : AR\AJ
Sample : Q3092-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
279182

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 01:52:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS090925.M
Quant Title : 8080.M
QLast Update : Tue Sep 09 13:56:38 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	7.746	1469.6E6	439.8E6	408.058	483.931

Target Compounds

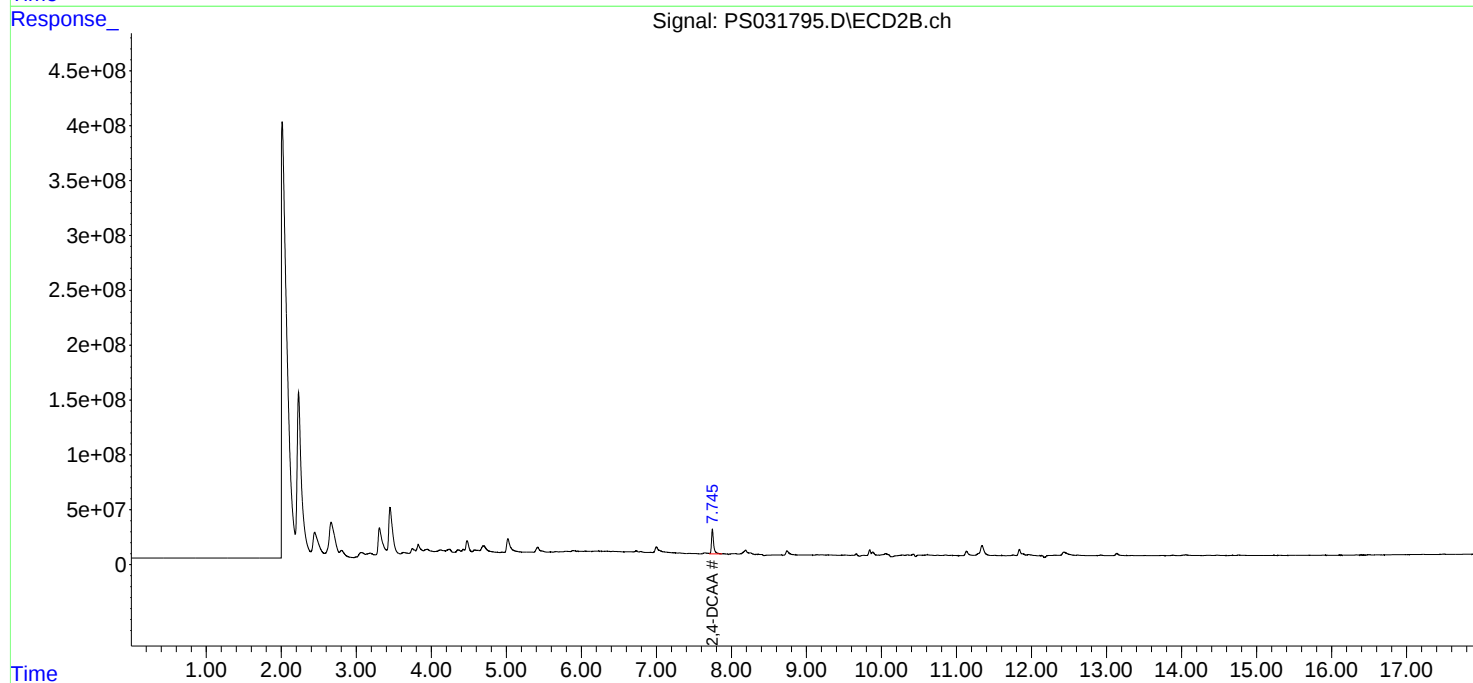
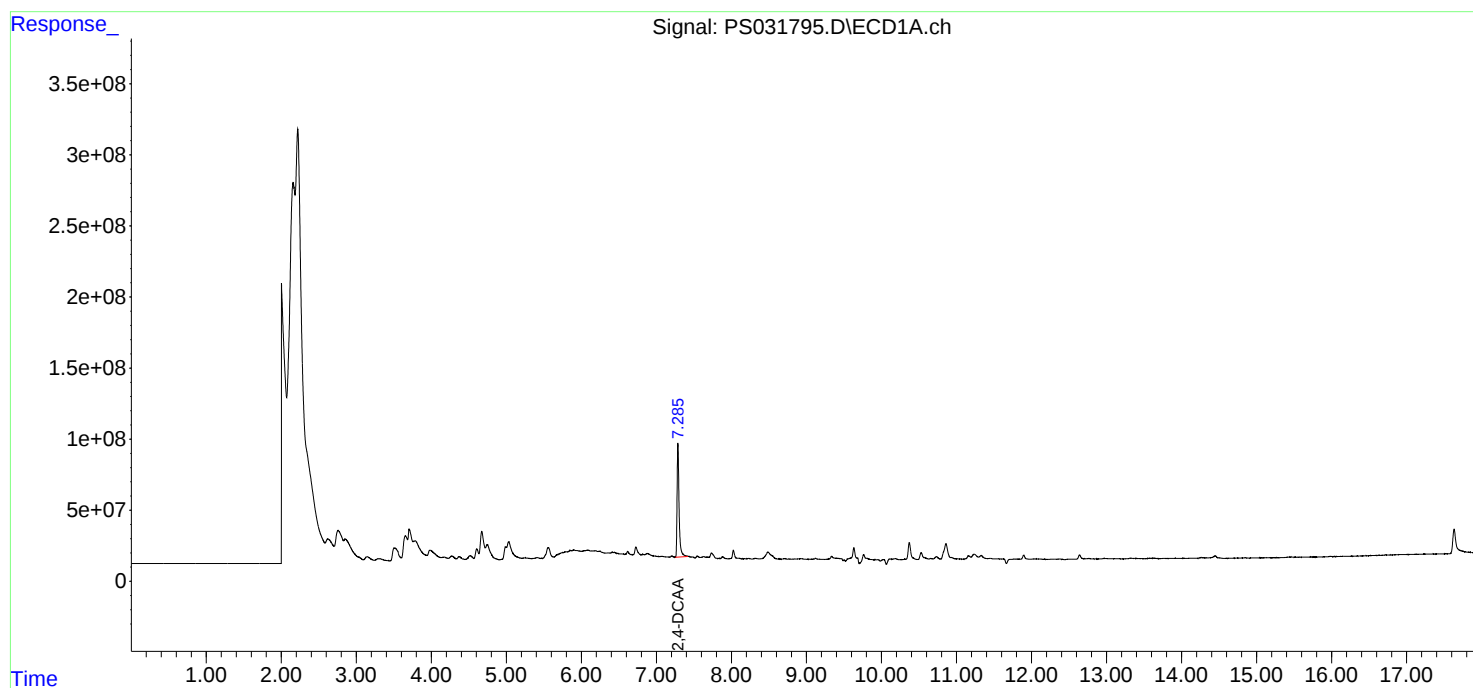
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS092225\
Data File : PS031795.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Sep 2025 22:18
Operator : AR\AJ
Sample : Q3092-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
279182

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 01:52:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS090925.M
Quant Title : 8080.M
QLast Update : Tue Sep 09 13:56:38 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: PS031795.D\ECD1A.ch

#4 2,4-DCAA

R.T.: 7.286 min

Delta R.T.: 0.003 min

Response: 1469630605

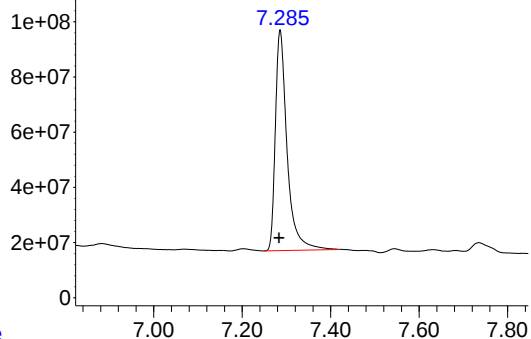
Conc: 408.06 ng/ml

Instrument :

ECD_S

ClientSampleId :

279182



Time

Response_

Signal: PS031795.D\ECD2B.ch

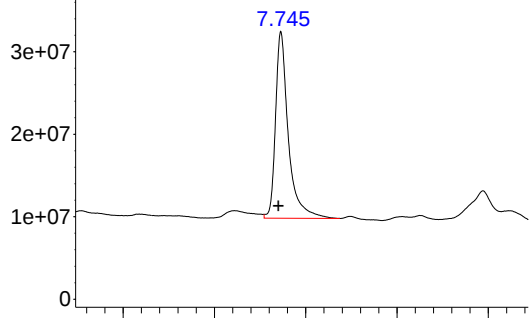
#4 2,4-DCAA

R.T.: 7.746 min

Delta R.T.: 0.005 min

Response: 439844702

Conc: 483.93 ng/ml



Time



CALIBRATION SUMMARY

RETENTION TIMES OF INITIAL CALIBRATION

Lab Name:	<u>Alliance</u>	Contract:	<u>ATLA10</u>
Lab Code:	<u>ACE</u>	SDG NO.:	<u>Q3092</u>
Instrument ID:	<u>ECD_S</u>	Calibration Date(s):	<u>09/09/2025</u> <u>09/09/2025</u>
		Calibration Times:	<u>11:32</u> <u>13:08</u>

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

LAB FILE ID:	RT 200 = <u>PS031668.D</u>	RT 500 = <u>PS031669.D</u>
RT 750 = <u>PS031670.D</u>	RT 1000 = <u>PS031671.D</u>	RT 1500 = <u>PS031672.D</u>

COMPOUND	RT 200	RT 500	RT 750	RT 1000	RT 1500	MEAN RT	RT WINDOW FROM TO	
2,4,5-TP(Silvex)	9.29	9.29	9.29	9.29	9.29	9.29	9.19	9.39
2,4-D	8.42	8.42	8.41	8.41	8.41	8.42	8.32	8.52
2,4-DCAA	7.29	7.29	7.29	7.29	7.28	7.29	7.19	7.39

Calibration Times: **11:32** **13:08**

LAB FILE ID:	RT 200 =	<u>PS031668.D</u>	RT 500 =	<u>PS031669.D</u>
	RT 750 =	PS031670.D	RT 1000 =	PS031671.D
			RT 1500 =	PS031672.D

[illegible]



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

CALIBRATION FACTOR OF INITIAL CALIBRATION

Lab Name: Alliance

Contract: ATLA10

Lab Code: ACE

SDG NO.: Q3092

Instrument ID: ECD_S

Calibration Date(s): 09/09/2025 09/09/2025

Calibration Times: 11:32 13:08

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

LAB FILE ID:		CF 200 =	<u>PS031668.D</u>	CF 500 =	<u>PS031669.D</u>		
CF 750 =		<u>PS031670.D</u>	CF 1000 =	<u>PS031671.D</u>	CF 1500 =	<u>PS031672.D</u>	
COMPOUND	CF 200	CF 500	CF 750	CF 1000	CF 1500	CF	% RSD
2,4,5-TP(Silvex)	23314400000	21668300000	20672900000	19997800000	19215100000	20973700000	8
2,4-D	3623310000	3886470000	3301510000	3166900000	3150010000	3425640000	9
2,4-DCAA	3985360000	3774560000	3531130000	3388800000	3327800000	3601530000	8



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

CALIBRATION FACTOR OF INITIAL CALIBRATION

Lab Name: Alliance

Contract: ATLA10

Lab Code: ACE

SDG NO.: Q3092

Instrument ID: ECD_S

Calibration Date(s): 09/09/2025 09/09/2025

Calibration Times: 11:32 13:08

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

LAB FILE ID:		CF 200 =	<u>PS031668.D</u>	CF 500 =	<u>PS031669.D</u>		
CF 750 =		<u>PS031670.D</u>	CF 1000 =	<u>PS031671.D</u>	CF 1500 =	<u>PS031672.D</u>	
COMPOUND	CF 200	CF 500	CF 750	CF 1000	CF 1500	CF	% RSD
2,4,5-TP(Silvex)	16378200000	15425200000	14913400000	14552800000	14002000000	15054300000	6
2,4-D	1798080000	1663870000	1619090000	1589690000	1554820000	1645110000	6
2,4-DCAA	975058000	912799000	892983000	889945000	873713000	908899000	4



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Fax : 908 789 8922

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance

Contract: ATLA10

Lab Code: ACE

SDG NO.: Q3092

Instrument ID: _____

Date(s) Analyzed: _____

GC Column: _____

ID: _____ (mm)

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
		1				
		2				
		3				
		4				
		5				

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS090925\
 Data File : PS031668.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 09 Sep 2025 11:32
 Operator : AR\AJ
 Sample : HSTDICC200
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 HSTDICC200

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 09/10/2025
 Supervised By :mohammad ahmed 09/11/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 09 12:44:47 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS090925.M
 Quant Title : 8080.M
 QLast Update : Tue Sep 09 12:39:40 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
4) S	2,4-DCAA	7.289	7.747	797.1E6	195.0E6	211.780	210.381
Target Compounds							
1) T	Dalapon	2.670	2.691	1188.9E6	541.1E6	197.607	186.724
2) T	3,5-DICHL...	6.455	6.700	1129.8E6	300.2E6	201.899	190.455
3) T	4-Nitroph...	7.104	7.310	187.7E6	222.1E6	173.053m	183.336m
5) T	DICAMBA	7.470	7.940	3127.1E6	1298.4E6	194.419	195.740
6) T	MCPD	7.644	8.033	135.4E6	27633581	16.236m	15.189m
7) T	MCPA	7.793	8.279	184.7E6	43869556	17.407	16.307
8) T	DICHLORPROP	8.180	8.661	772.2E6	282.2E6	206.503	187.947
9) T	2,4-D	8.422	9.009	681.2E6	338.0E6	189.020	199.589
10) T	Pentachlo...	8.708	9.510	11923.1E6	8116.6E6	201.313	194.373
11) T	2,4,5-TP ...	9.286	9.895	4429.7E6	3111.9E6	202.408	199.834
12) T	2,4,5-T	9.588	10.328	3559.5E6	2689.3E6	191.924	196.539
13) T	2,4-DB	10.165	10.895	421.0E6	245.0E6	184.675	220.263
14) T	DINOSEB	11.355	11.267	3077.9E6	1933.8E6	205.452	197.523
15) T	Picloram	11.194	12.394	3167.6E6	4294.4E6	181.003	182.592
16) T	DCPA	11.653	12.308	5767.5E6	4882.1E6	203.906	196.921

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS090925\
Data File : PS031668.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Sep 2025 11:32
Operator : AR\AJ
Sample : HSTDICC200
Misc :
ALS Vial : 3 Sample Multiplier: 1

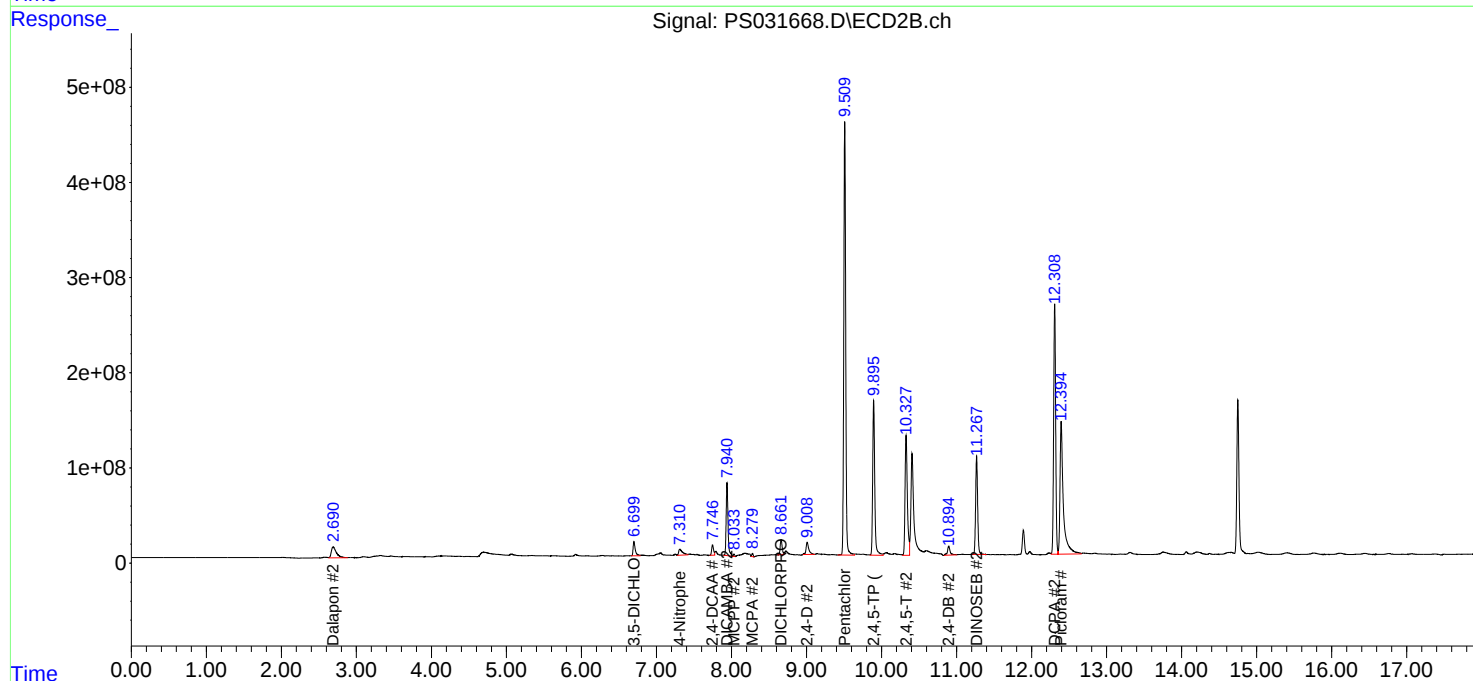
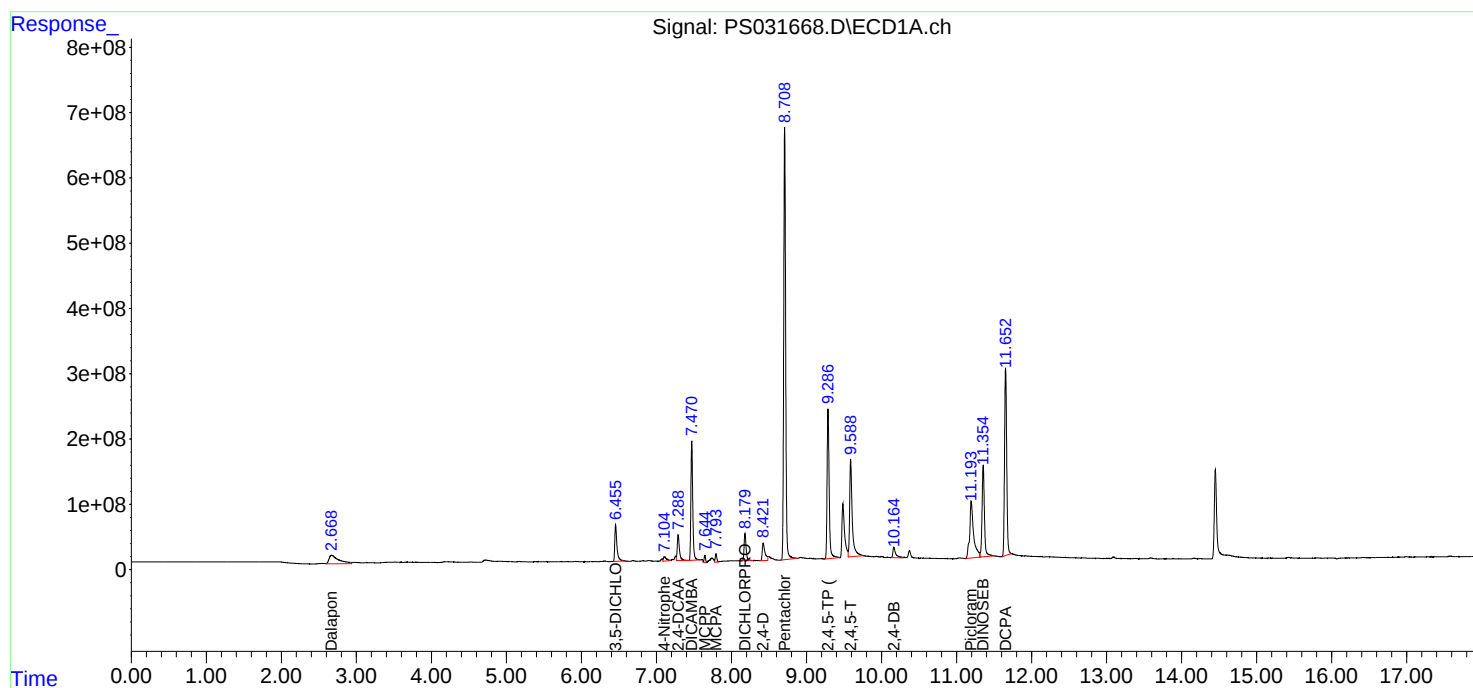
Instrument :
ECD_S
ClientSampleId :
HSTDICC200

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/10/2025
Supervised By :mohammad ahmed 09/11/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 09 12:44:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS090925.M
Quant Title : 8080.M
QLast Update : Tue Sep 09 12:39:40 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS090925\
 Data File : PS031669.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 09 Sep 2025 11:56
 Operator : AR\AJ
 Sample : HSTDICC500
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 HSTDICC500

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 09 12:42:11 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS090925.M
 Quant Title : 8080.M
 QLast Update : Tue Sep 09 12:39:40 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
4) S	2,4-DCAA	7.286	7.744	1887.3E6	456.4E6	516.660	505.487
Target Compounds							
1) T	Dalapon	2.672	2.691	2683.4E6	1340.9E6	465.979	468.823
2) T	3,5-DICHL...	6.454	6.697	2557.6E6	740.4E6	477.479	475.371
3) T	4-Nitroph...	7.100	7.301	494.3E6	505.9E6	450.108	425.959
5) T	DICAMBA	7.470	7.939	7582.5E6	3083.9E6	479.610	474.705
6) T	MCPD	7.647	8.035	401.6E6	92181039	45.249	46.276
7) T	MCPA	7.794	8.282	499.0E6	131.3E6	45.559	45.976
8) T	DICHLORPROP	8.178	8.659	1717.9E6	719.6E6	483.177	479.201
9) T	2,4-D	8.417	9.003	1826.6E6	782.0E6	508.249	476.411
10) T	Pentachlo...	8.708	9.508	27950.2E6	19902.1E6	486.398	482.154
11) T	2,4,5-TP ...	9.287	9.893	10292.4E6	7327.0E6	486.166	483.013
12) T	2,4,5-T	9.585	10.324	8860.3E6	6416.9E6	480.173	477.172
13) T	2,4-DB	10.160	10.892	1081.8E6	488.8E6	467.981	477.579
14) T	DINOSEB	11.355	11.266	6757.9E6	4415.2E6	473.049	462.691
15) T	Picloram	11.188	12.389	8470.1E6	11263.9E6	472.807	469.769
16) T	DCPA	11.653	12.307	13556.5E6	11946.3E6	494.616	488.114

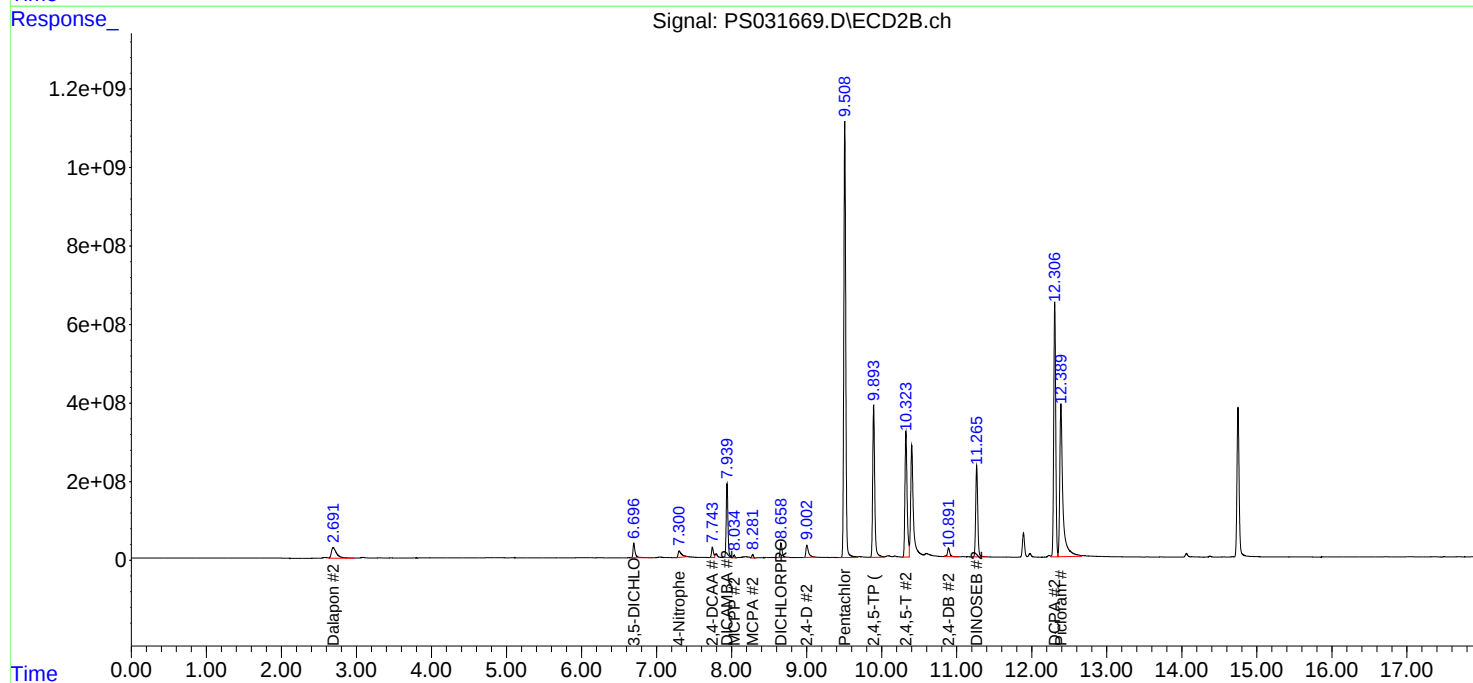
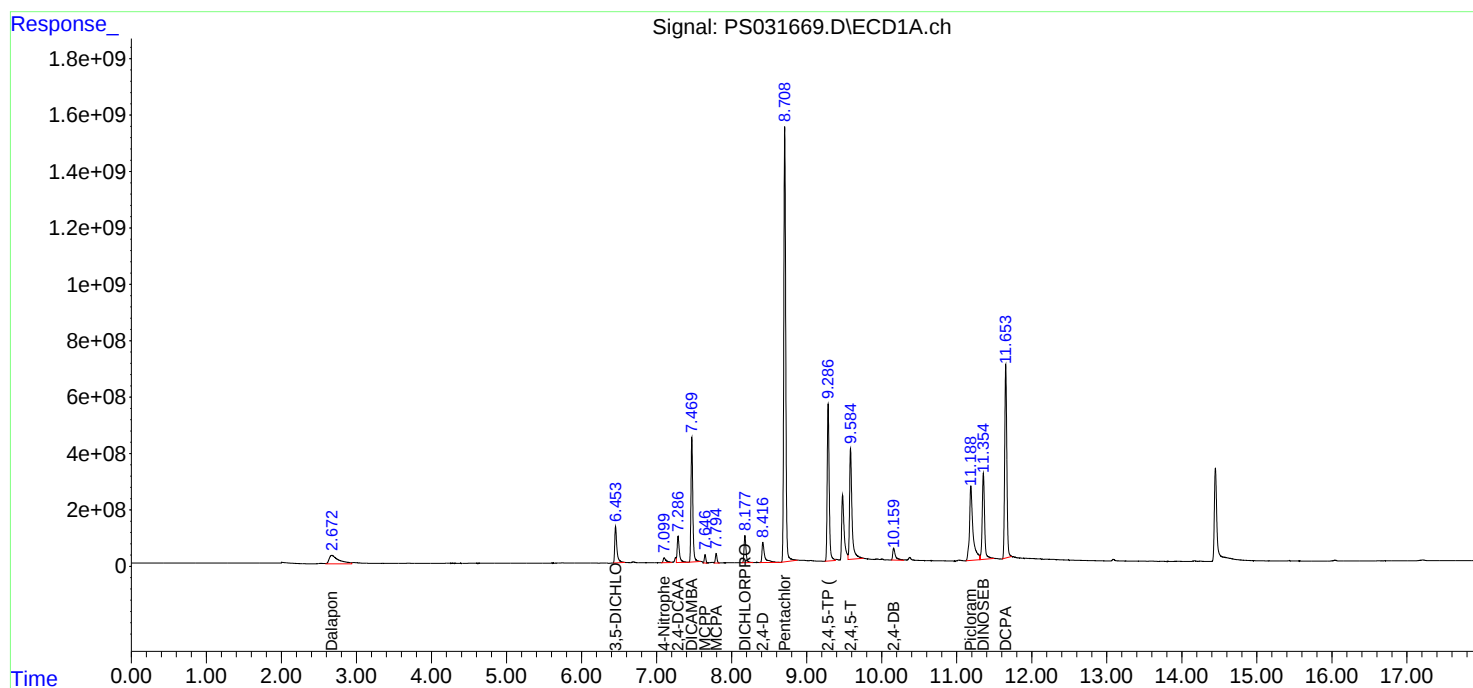
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS090925\
Data File : PS031669.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Sep 2025 11:56
Operator : AR\AJ
Sample : HSTDICC500
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 09 12:42:11 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS090925.M
Quant Title : 8080.M
QLast Update : Tue Sep 09 12:39:40 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS090925\
 Data File : PS031670.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 09 Sep 2025 12:20
 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: Sep 09 12:39:57 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS090925.M
 Quant Title : 8080.M
 QLast Update : Tue Sep 09 12:39:40 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
4) S	2,4-DCAA	7.285	7.743	2648.3E6	669.7E6	750.000	750.000
Target Compounds							
1) T	Dalapon	2.669	2.691	3835.4E6	1892.7E6	682.500	682.500
2) T	3,5-DICHL...	6.453	6.695	3635.9E6	1062.2E6	697.500	697.500
3) T	4-Nitroph...	7.095	7.291	757.6E6	862.3E6	682.500	682.500
5) T	DICAMBA	7.469	7.939	10918.0E6	4534.2E6	705.000	705.000
6) T	MCPD	7.647	8.036	649.1E6	142.6E6	70.500	70.500
7) T	MCPA	7.796	8.284	779.5E6	201.5E6	69.750	69.750
8) T	DICHLORPROP	8.177	8.659	2436.4E6	1037.9E6	705.000	705.000
9) T	2,4-D	8.414	9.000	2327.6E6	1141.5E6	705.000	705.000
10) T	Pentachlo...	8.708	9.509	39960.3E6	28967.2E6	712.500	712.500
11) T	2,4,5-TP ...	9.285	9.893	14729.5E6	10625.8E6	712.500	712.500
12) T	2,4,5-T	9.583	10.321	13004.1E6	9537.7E6	712.500	712.500
13) T	2,4-DB	10.158	10.890	1671.4E6	725.3E6	712.500	712.500
14) T	DINOSEB	11.354	11.266	10006.2E6	6832.0E6	705.000	705.000
15) T	Picloram	11.184	12.385	12823.0E6	17272.1E6	712.500	712.500
16) T	DCPA	11.654	12.307	19132.9E6	17323.7E6	720.000	720.000

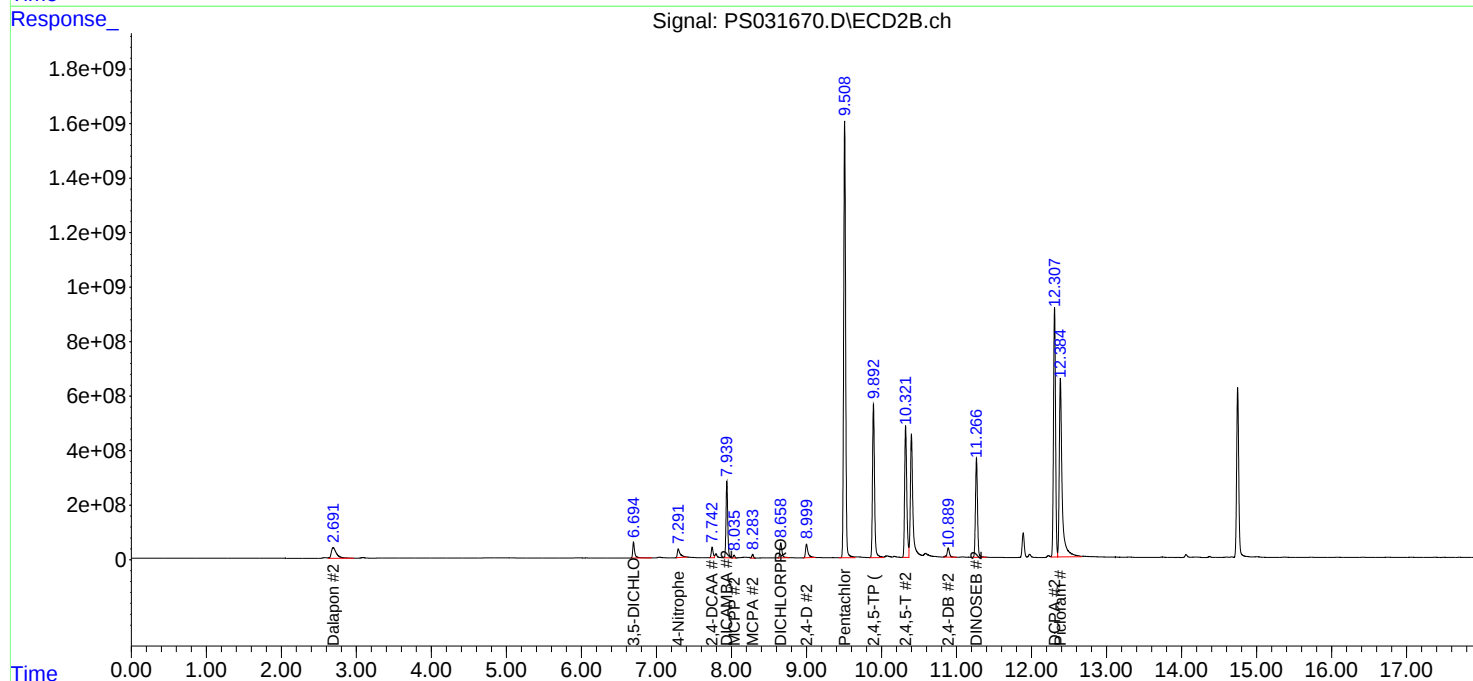
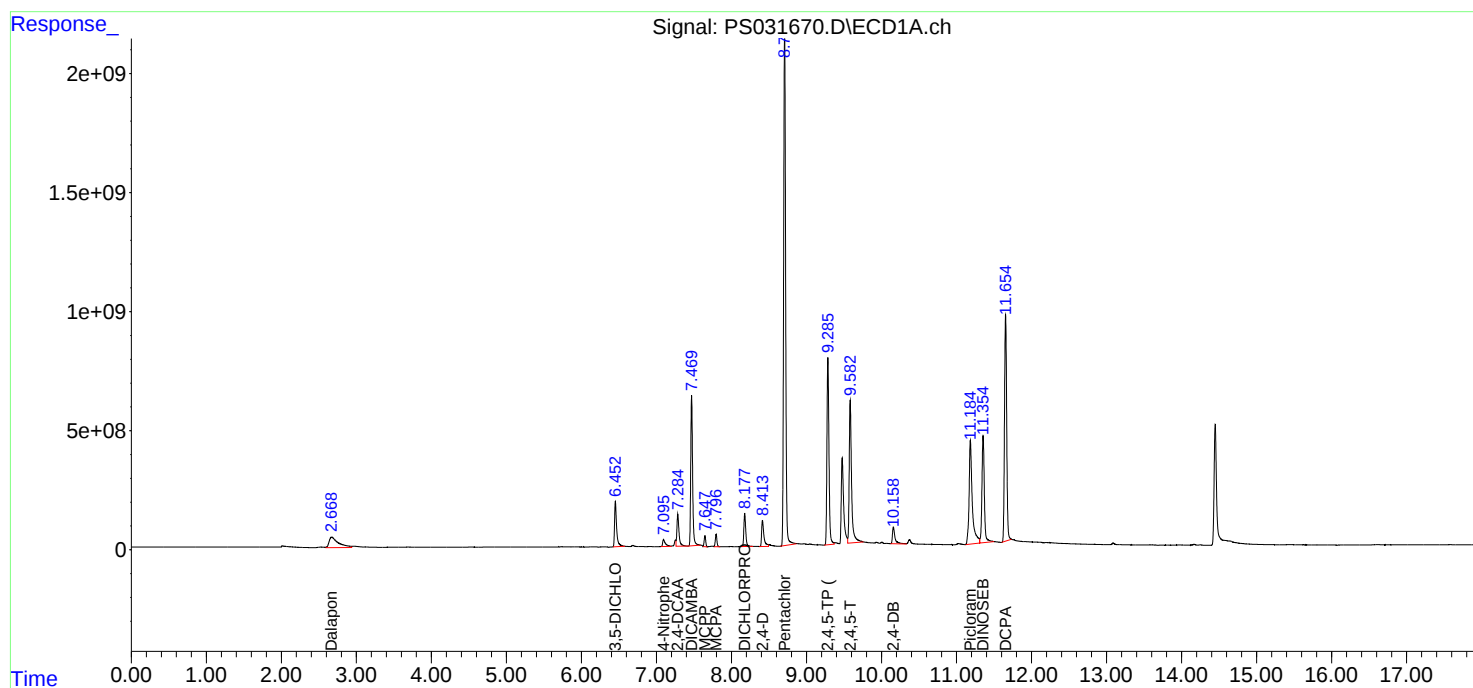
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS090925\
Data File : PS031670.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Sep 2025 12:20
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: Sep 09 12:39:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS090925.M
Quant Title : 8080.M
QLast Update : Tue Sep 09 12:39:40 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS090925\
 Data File : PS031671.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 09 Sep 2025 12:44
 Operator : AR\AJ
 Sample : HSTDICC1000
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 HSTDICC1000

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 09/10/2025
 Supervised By :mohammad ahmed 09/11/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 09 13:49:31 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS090925.M
 Quant Title : 8080.M
 QLast Update : Tue Sep 09 13:49:21 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	7.285	7.741	3388.8E6	889.9E6	923.388	969.760
Target Compounds							
1) T	Dalapon	2.670	2.691	4981.4E6	2459.5E6	847.045	863.301
2) T	3,5-DICHL...	6.452	6.694	4672.8E6	1345.5E6	856.951	871.415
3) T	4-Nitroph...	7.092	7.286	1005.4E6	1167.2E6	928.206	957.071
5) T	DICAMBA	7.469	7.939	14111.0E6	5976.5E6	892.186	910.452
6) T	MCPD	7.648	8.037	899.8E6	191.4E6	104.238	102.208
7) T	MCPA	7.797	8.285	1079.8E6	272.1E6	99.405	98.971
8) T	DICHLORPROP	8.176	8.657	3138.0E6	1302.3E6	862.275	884.504
9) T	2,4-D	8.412	8.997	2976.9E6	1494.3E6	851.867	896.037
10) T	Pentachlo...	8.713	9.508	46784.3E6	37530.6E6	824.658	911.049
11) T	2,4,5-TP ...	9.285	9.892	18997.9E6	13825.1E6	887.198	902.578
12) T	2,4,5-T	9.580	10.320	17196.6E6	12650.1E6	932.820	930.744
13) T	2,4-DB	10.156	10.888	2250.6E6	966.0E6	977.632	887.633
14) T	DINOSEB	11.354	11.265	12980.2E6	9032.5E6	883.723	926.885
15) T	Picloram	11.180	12.382	17642.8E6	22800.5E6	992.954	964.513
16) T	DCPA	11.653	12.306	24572.8E6	22658.6E6	889.901	926.368m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS090925\
Data File : PS031671.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Sep 2025 12:44
Operator : AR\AJ
Sample : HSTDICC1000
Misc :
ALS Vial : 6 Sample Multiplier: 1

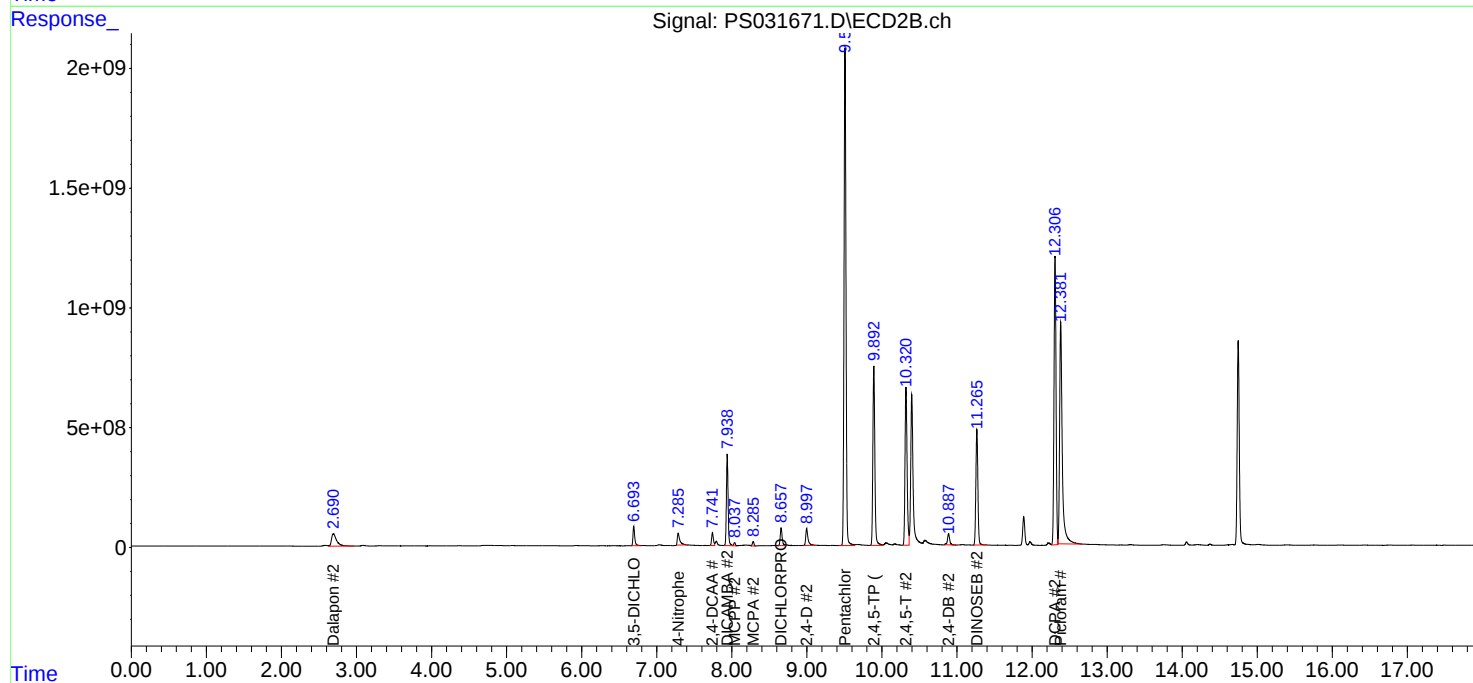
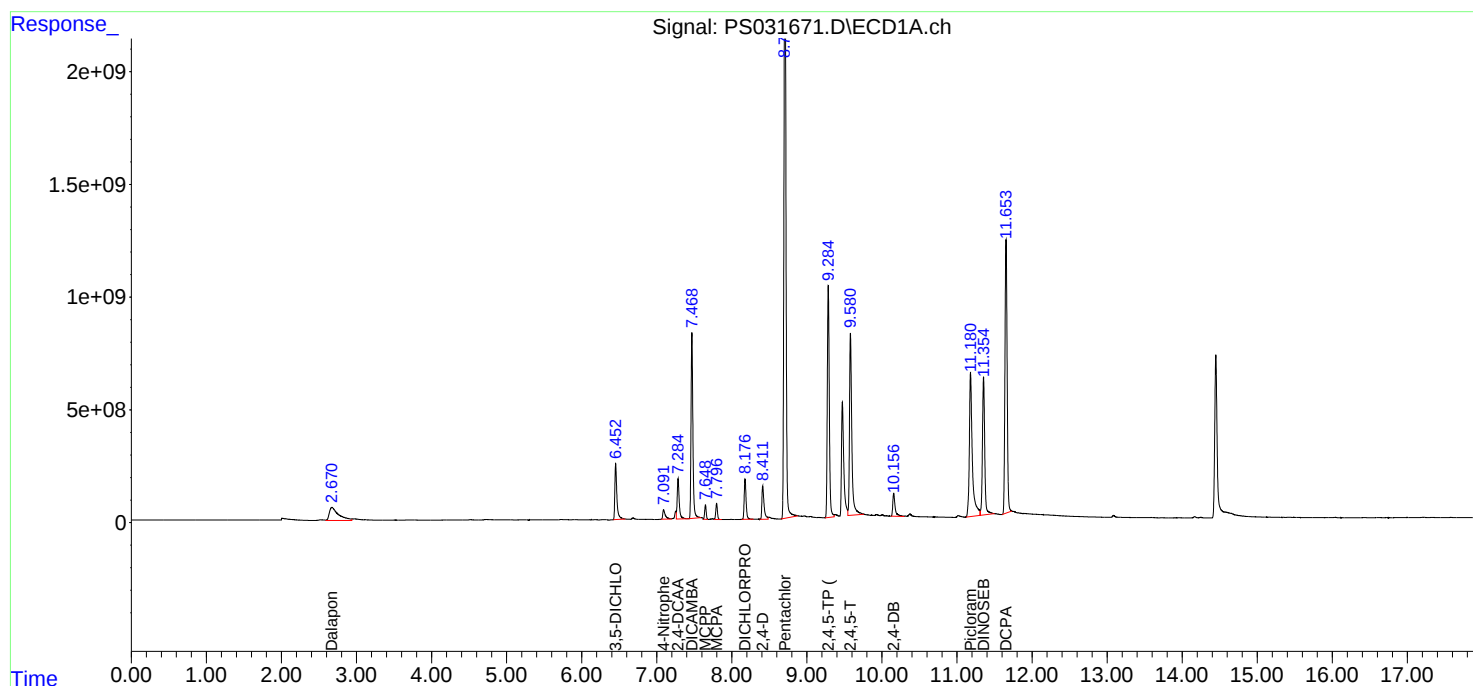
Instrument :
ECD_S
ClientSampleId :
HSTDICC1000

Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 09/10/2025
Supervised By : mohammad ahmed 09/11/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 09 13:49:31 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS090925.M
Quant Title : 8080.M
QLast Update : Tue Sep 09 13:49:21 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\PS090925\
 Data File : PS031672.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 09 Sep 2025 13:08
 Operator : AR\AJ
 Sample : HSTDICC1500
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 HSTDICC1500

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 09/10/2025
 Supervised By :mohammad ahmed 09/11/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 09 13:55:08 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS090925.M
 Quant Title : 8080.M
 QLast Update : Tue Sep 09 13:54:57 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	7.741	4991.7E6	1310.6E6	1385.994	1441.930
Target Compounds							
1) T	Dalapon	2.671	2.692	7343.5E6	3675.2E6	1270.340	1304.360
2) T	3,5-DICHL...	6.452	6.693	6773.2E6	2020.9E6	1269.968	1325.242
3) T	4-Nitroph...	7.090	7.283	1615.4E6	1959.9E6	1464.258	1553.188m
5) T	DICAMBA	7.469	7.939	20753.6E6	8850.7E6	1330.638	1360.214
6) T	MCPD	7.651	8.040	1433.8E6	271.7E6	160.399	144.283
7) T	MCPA	7.802	8.290	1688.4E6	419.8E6	151.962	149.880
8) T	DICHLORPROP	8.176	8.657	4585.2E6	1953.9E6	1287.334	1342.808
9) T	2,4-D	8.411	8.996	4441.5E6	2192.3E6	1296.549	1332.615
10) T	Pentachlo...	8.719	9.510	54922.3E6	47983.8E6	1034.438	1208.947
11) T	2,4,5-TP ...	9.285	9.892	27381.5E6	19952.8E6	1305.517	1325.388
12) T	2,4,5-T	9.580	10.319	25294.4E6	18410.5E6	1382.345	1368.099
13) T	2,4-DB	10.154	10.887	3499.1E6	1420.8E6	1500.000	1327.803
14) T	DINOSEB	11.354	11.265	18839.3E6	13569.0E6	1306.230	1395.887
15) T	Picloram	11.178	12.380	27051.4E6	33998.6E6	1501.929	1435.553
16) T	DCPA	11.653	12.306	34988.5E6	32459.6E6	1298.279	1346.261m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS090925\
Data File : PS031672.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Sep 2025 13:08
Operator : AR\AJ
Sample : HSTDICC1500
Misc :
ALS Vial : 7 Sample Multiplier: 1

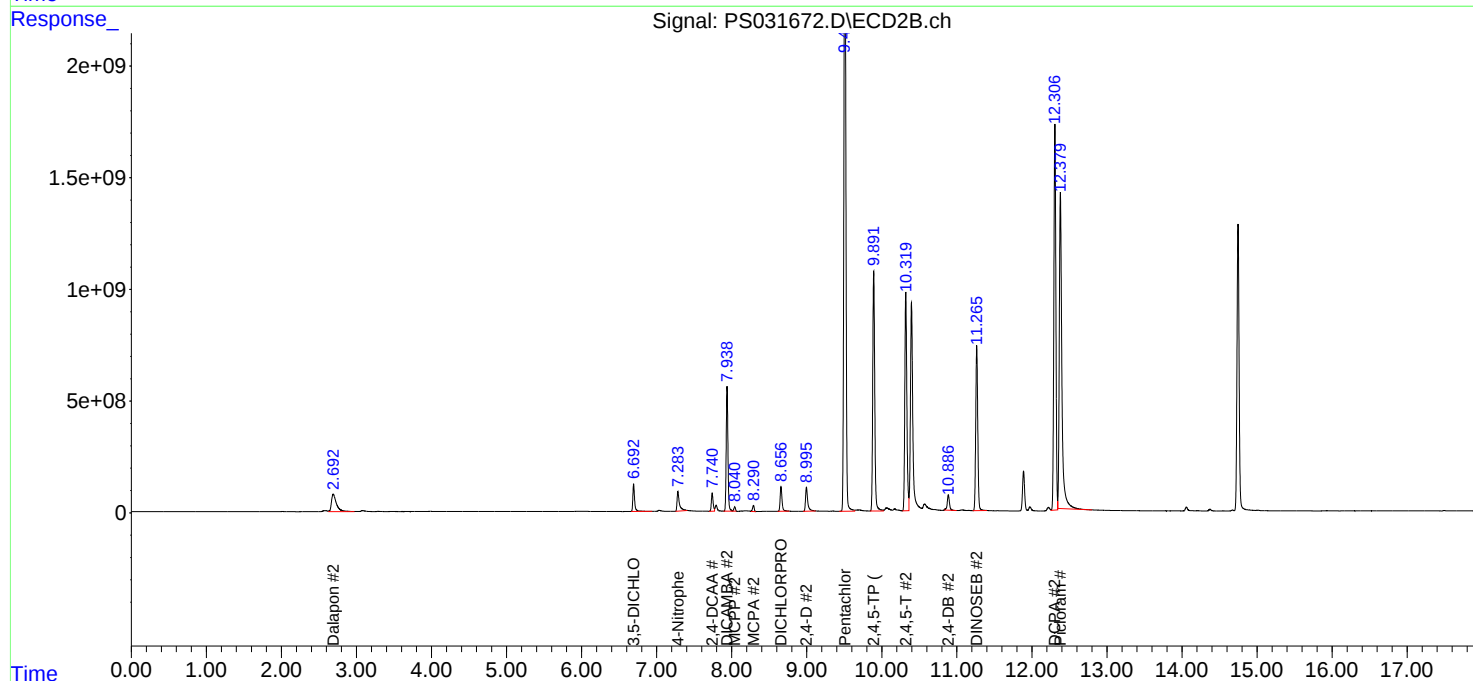
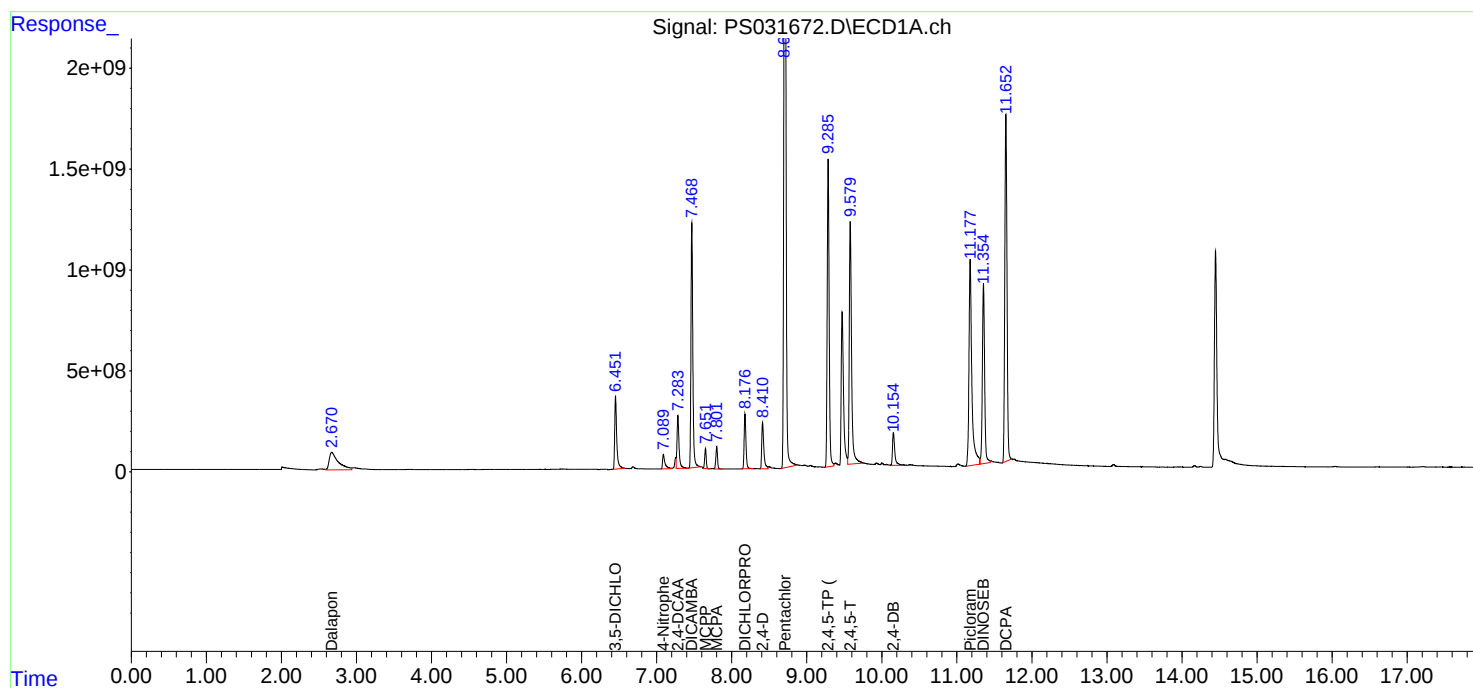
Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/10/2025
Supervised By :mohammad ahmed 09/11/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 09 13:55:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS090925.M
Quant Title : 8080.M
QLast Update : Tue Sep 09 13:54:57 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\PS090925\
 Data File : PS031673.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 09 Sep 2025 13:32
 Operator : AR\AJ
 Sample : HSTDICV750
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 ICVPS090925

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 09 14:01:13 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS090925.M
 Quant Title : 8080.M
 QLast Update : Tue Sep 09 13:56:38 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	7.285	7.743	2669.9E6	664.5E6	741.312	731.125
Target Compounds							
1) T	Dalapon	2.671	2.692	3846.0E6	1914.1E6	665.317	679.331
2) T	3,5-DICHL...	6.453	6.695	3632.5E6	1060.1E6	681.096	695.175
3) T	4-Nitroph...	7.095	7.292	796.7E6	862.9E6	722.188	683.364
5) T	DICAMBA	7.469	7.939	10969.6E6	4533.5E6	703.328	696.730
6) T	MCPD	7.648	8.036	644.8E6	143.9E6	72.131	76.416
7) T	MCPA	7.796	8.283	782.3E6	202.2E6	70.407	72.176
8) T	DICHLORPROP	8.177	8.658	2433.2E6	1029.8E6	683.159	707.724
9) T	2,4-D	8.414	9.000	2340.4E6	1133.8E6	683.202	689.196
10) T	Pentachlo...	8.709	9.509	39939.4E6	28928.7E6	752.241	728.856
11) T	2,4,5-TP ...	9.286	9.893	14806.4E6	10632.5E6	705.953	706.278
12) T	2,4,5-T	9.583	10.321	13196.2E6	9484.7E6	721.178	704.816
13) T	2,4-DB	10.157	10.890	1701.4E6	715.0E6	729.363	668.181
14) T	DINOSEB	11.354	11.265	10373.4E6	7109.8E6	719.243	731.411
15) T	Picloram	11.183	12.385	13055.3E6	17381.7E6	724.846	733.926
16) T	DCPA	11.653	12.306	19291.7E6	17437.4E6	715.835	723.422

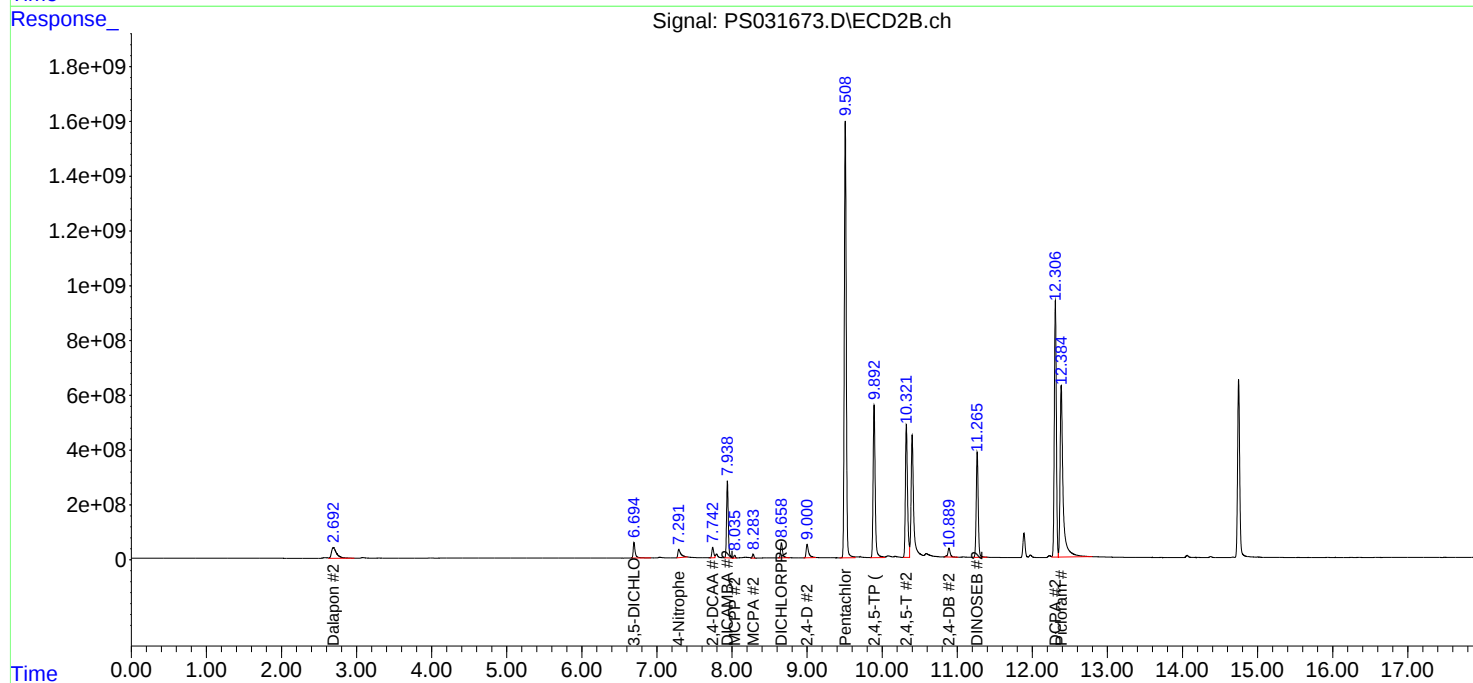
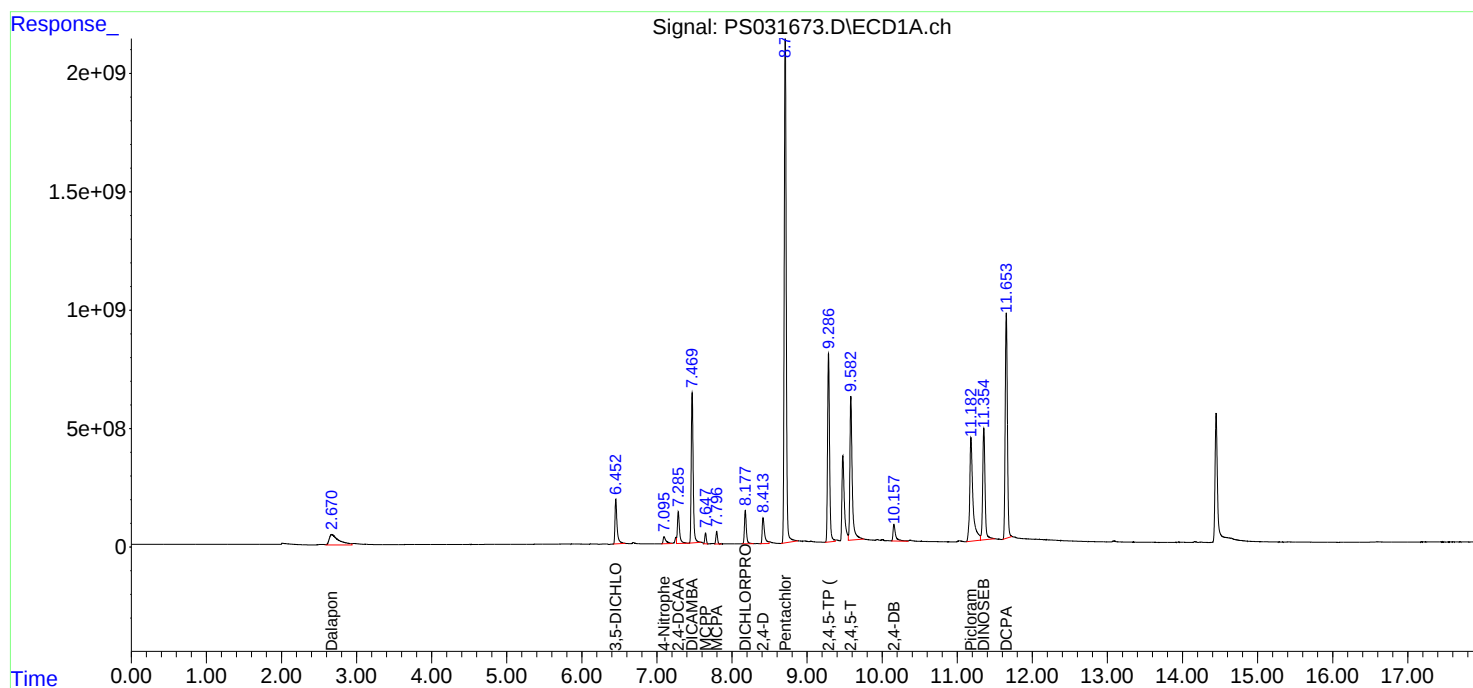
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS090925\
Data File : PS031673.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Sep 2025 13:32
Operator : AR\AJ
Sample : HSTDICV750
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
ICVPS090925

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 09 14:01:13 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS090925.M
Quant Title : 8080.M
QLast Update : Tue Sep 09 13:56:38 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: ATLA10

Lab Code: ACE

SDG NO.: Q3092

Continuing Calib Date: 09/22/2025

Initial Calibration Date(s): 09/09/2025 09/09/2025

Continuing Calib Time: 10:51

Initial Calibration Time(s): 11:32 13:08

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
2,4-DCAA	7.28	7.29	7.19	7.39	0.01
2,4-D	8.41	8.41	8.31	8.51	0.00
2,4,5-TP(Silvex)	9.28	9.29	9.19	9.39	0.01



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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: ATLA10

Lab Code: ACE

SDG NO.: Q3092

Continuing Calib Date: 09/22/2025

Initial Calibration Date(s): 09/09/2025

09/09/2025

Continuing Calib Time: 10:51

Initial Calibration Time(s): 11:32

13:08

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
2,4-DCAA	7.74	7.74	7.64	7.84	0.00
2,4-D	9.00	9.00	8.90	9.10	0.00
2,4,5-TP(Silvex)	9.89	9.89	9.79	9.99	0.00



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance Contract: ATLA10
Lab Code: ACE SDG NO.: Q3092
GC Column: RTX-CLP ID: 0.32 (mm) Initi. Calib. Date(s): 09/09/2025 09/09/2025

Client Sample No.: CCAL01 Date Analyzed: 09/22/2025
Lab Sample No.: HSTDCCC750 Data File : PS031782.D Time Analyzed: 10:51

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
2,4,5-TP(Silvex)	9.284	9.185	9.385	755.340	712.500	6.0
2,4-D	8.413	8.314	8.514	736.820	705.000	4.5
2,4-DCAA	7.284	7.185	7.385	782.620	750.000	4.3



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance Contract: ATLA10
Lab Code: ACE SDG NO.: Q3092
GC Column: RTX-CLP2 ID: 0.32 (mm) Initi. Calib. Date(s): 09/09/2025 09/09/2025

Client Sample No.: CCAL01 Date Analyzed: 09/22/2025
Lab Sample No.: HSTDCCC750 Data File : PS031782.D Time Analyzed: 10:51

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
2,4,5-TP(Silvex)	9.892	9.793	9.993	707.640	712.500	-0.7
2,4-D	9.000	8.900	9.100	682.140	705.000	-3.2
2,4-DCAA	7.743	7.643	7.843	725.050	750.000	-3.3

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS092225\
 Data File : PS031782.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 22 Sep 2025 10:51
 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: Sep 23 01:47:03 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS090925.M
 Quant Title : 8080.M
 QLast Update : Tue Sep 09 13:56:38 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	7.743	2818.6E6	659.0E6	782.624	725.048
Target Compounds							
1) T	Dalapon	2.673	2.692	3902.6E6	1864.3E6	675.098	661.668
2) T	3,5-DICHL...	6.452	6.696	3863.7E6	1083.1E6	724.436	710.214
3) T	4-Nitroph...	7.095	7.296	805.7E6	799.3E6	730.293m	632.955
5) T	DICAMBA	7.468	7.939	11642.3E6	4594.7E6	746.456	706.137
6) T	MCPD	7.646	8.036	678.1E6	143.2E6	75.859	76.057
7) T	MCPA	7.795	8.283	819.9E6	203.6E6	73.798	72.666
8) T	DICHLORPROP	8.176	8.658	2585.4E6	1039.5E6	725.887	714.435
9) T	2,4-D	8.413	9.000	2524.1E6	1122.2E6	736.822	682.135
10) T	Pentachlo...	8.709	9.507	42131.4E6	29226.4E6	793.526	736.358
11) T	2,4,5-TP ...	9.284	9.892	15842.3E6	10653.0E6	755.339	707.636
12) T	2,4,5-T	9.581	10.321	14503.2E6	9307.1E6	792.605	691.619
13) T	2,4-DB	10.157	10.889	1857.1E6	665.5E6	796.074	621.964
14) T	DINOSEB	11.352	11.264	11878.4E6	7824.1E6	823.594	804.890
15) T	Picloram	11.182	12.385	14438.7E6	16887.2E6	801.656	713.043
16) T	DCPA	11.650	12.306	20756.4E6	17464.9E6	770.186	724.562

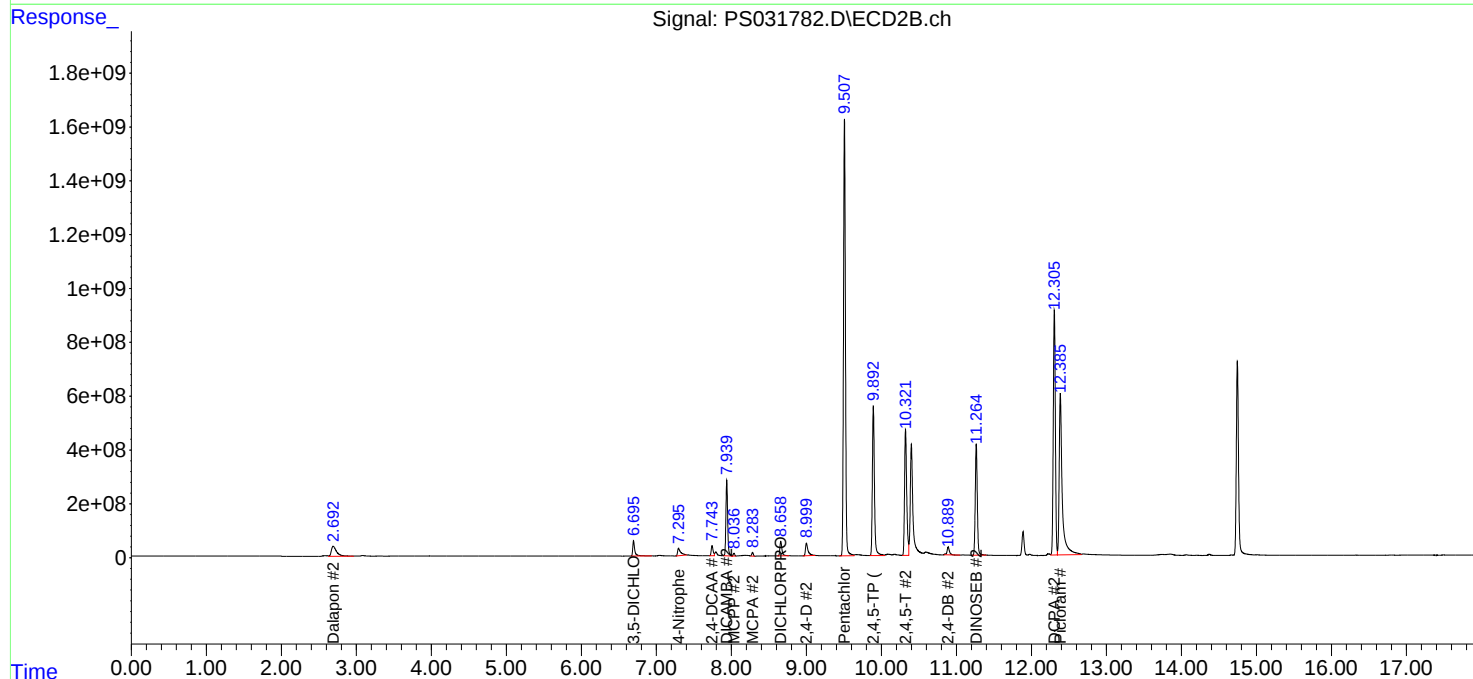
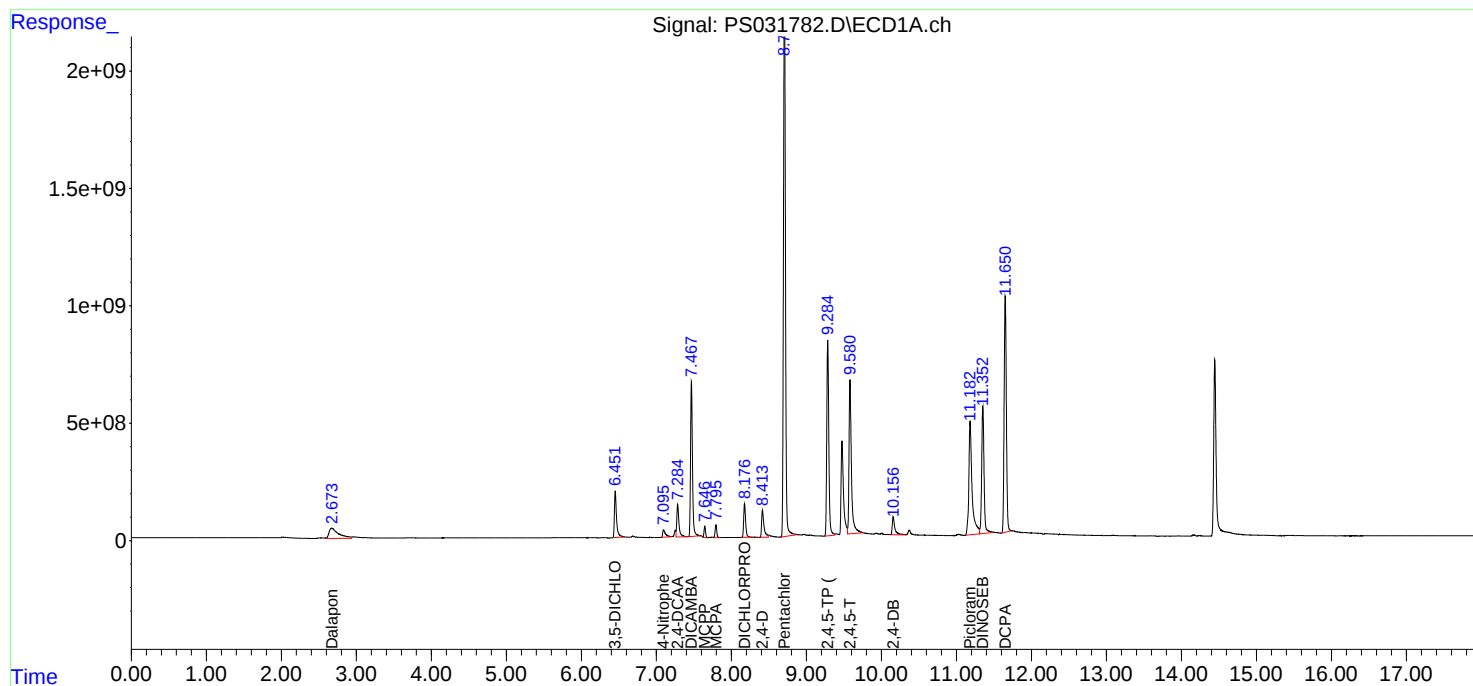
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS092225\
Data File : PS031782.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Sep 2025 10:51
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: Sep 23 01:47:03 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS090925.M
Quant Title : 8080.M
QLast Update : Tue Sep 09 13:56:38 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: ATLA10

Lab Code: ACE

SDG NO.: Q3092

Continuing Calib Date: 09/22/2025

Initial Calibration Date(s): 09/09/2025 09/09/2025

Continuing Calib Time: 21:53

Initial Calibration Time(s): 11:32 13:08

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
2,4-DCAA	7.29	7.29	7.19	7.39	0.01
2,4-D	8.42	8.41	8.31	8.51	0.00
2,4,5-TP(Silvex)	9.29	9.29	9.19	9.39	0.01



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: ATLA10

Lab Code: ACE

SDG NO.: Q3092

Continuing Calib Date: 09/22/2025

Initial Calibration Date(s): 09/09/2025

09/09/2025

Continuing Calib Time: 21:53

Initial Calibration Time(s): 11:32

13:08

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
2,4-DCAA	7.75	7.74	7.64	7.84	0.00
2,4-D	9.00	9.00	8.90	9.10	0.00
2,4,5-TP(Silvex)	9.89	9.89	9.79	9.99	0.00



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ATLA10
Lab Code: ACE **SDG NO.:** Q3092
GC Column: RTX-CLP **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 09/09/2025 09/09/2025

Client Sample No.: CCAL02 **Date Analyzed:** 09/22/2025
Lab Sample No.: HSTDCCC750 **Data File :** PS031794.D **Time Analyzed:** 21:53

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-TP(Silvex)	9.285	9.185	9.385	770.660	712.500	8.2
2,4-D	8.415	8.314	8.514	755.020	705.000	7.1
2,4-DCAA	7.285	7.185	7.385	805.800	750.000	7.4



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance Contract: ATLA10
Lab Code: ACE SDG NO.: Q3092
GC Column: RTX-CLP2 ID: 0.32 (mm) Initi. Calib. Date(s): 09/09/2025 09/09/2025

Client Sample No.: CCAL02 Date Analyzed: 09/22/2025
Lab Sample No.: HSTDCCC750 Data File : PS031794.D Time Analyzed: 21:53

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
2,4,5-TP(Silvex)	9.894	9.793	9.993	731.920	712.500	2.7
2,4-D	9.003	8.900	9.100	707.430	705.000	0.3
2,4-DCAA	7.745	7.643	7.843	749.490	750.000	-0.1

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS092225\
 Data File : PS031794.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 22 Sep 2025 21:53
 Operator : AR\AJ
 Sample : HSTDCCC750
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 HSTDCCC750

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 23 01:52:22 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS090925.M
 Quant Title : 8080.M
 QLast Update : Tue Sep 09 13:56:38 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	7.285	7.745	2902.1E6	681.2E6	805.802	749.491
Target Compounds							
1) T	Dalapon	2.672	2.691	3985.2E6	1928.0E6	689.389	684.270
2) T	3,5-DICHL...	6.452	6.697	3945.4E6	1118.9E6	739.760	733.754
3) T	4-Nitroph...	7.096	7.297	754.7E6	815.1E6	684.126m	645.438
5) T	DICAMBA	7.469	7.940	11890.8E6	4742.1E6	762.393	728.787
6) T	MCPD	7.647	8.037	695.1E6	149.8E6	77.755	79.531
7) T	MCPA	7.796	8.284	844.5E6	211.4E6	76.012	75.456
8) T	DICHLORPROP	8.177	8.660	2646.6E6	1074.0E6	743.055	738.142
9) T	2,4-D	8.415	9.003	2586.4E6	1163.8E6	755.021	707.432
10) T	Pentachlo...	8.710	9.509	42666.6E6	30286.0E6	803.608	763.053
11) T	2,4,5-TP ...	9.285	9.894	16163.6E6	11018.6E6	770.662	731.921
12) T	2,4,5-T	9.582	10.323	14796.0E6	9699.2E6	808.605	720.754
13) T	2,4-DB	10.159	10.891	1893.0E6	751.8E6	811.486	702.615m
14) T	DINOSEB	11.353	11.267	11721.4E6	7765.9E6	812.707	798.900
15) T	Picloram	11.185	12.388	14211.4E6	17489.4E6	789.038	738.470
16) T	DCPA	11.653	12.307	21101.1E6	18271.2E6	782.977	758.012

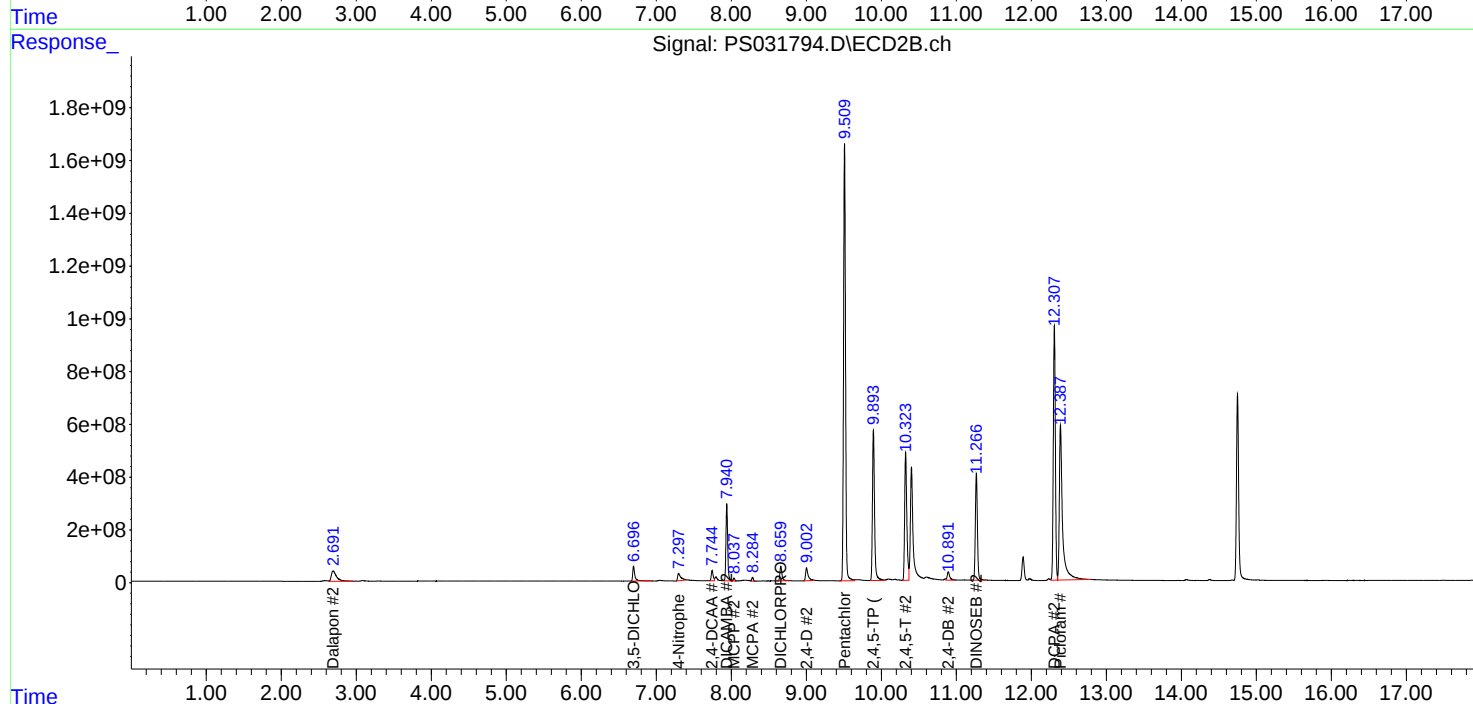
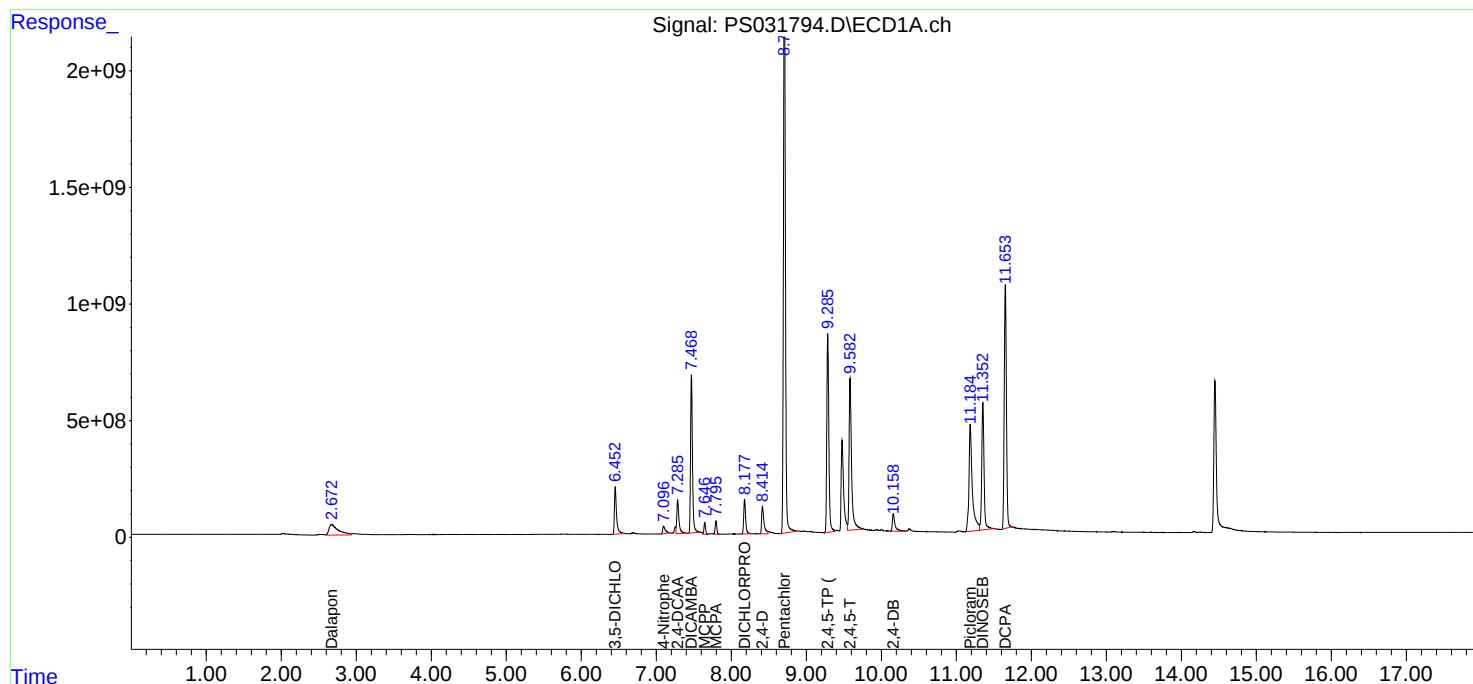
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS092225\
Data File : PS031794.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Sep 2025 21:53
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 01:52:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS090925.M
Quant Title : 8080.M
QLast Update : Tue Sep 09 13:56:38 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: ATLA10

Lab Code: ACE

SDG NO.: Q3092

Continuing Calib Date: 09/23/2025

Initial Calibration Date(s): 09/09/2025 09/09/2025

Continuing Calib Time: 02:42

Initial Calibration Time(s): 11:32 13:08

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
2,4-DCAA	7.28	7.29	7.19	7.39	0.01
2,4-D	8.41	8.41	8.31	8.51	0.00
2,4,5-TP(Silvex)	9.28	9.29	9.19	9.39	0.01



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: ATLA10

Lab Code: ACE

SDG NO.: Q3092

Continuing Calib Date: 09/23/2025

Initial Calibration Date(s): 09/09/2025 09/09/2025

Continuing Calib Time: 02:42

Initial Calibration Time(s): 11:32 13:08

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
2,4-DCAA	7.74	7.74	7.64	7.84	0.00
2,4-D	9.00	9.00	8.90	9.10	0.00
2,4,5-TP(Silvex)	9.89	9.89	9.79	9.99	0.00



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ATLA10
Lab Code: ACE **SDG NO.:** Q3092
GC Column: RTX-CLP **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 09/09/2025 09/09/2025

Client Sample No.: CCAL03 **Date Analyzed:** 09/23/2025
Lab Sample No.: HSTDCCC750 **Data File :** PS031806.D **Time Analyzed:** 02:42

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-TP(Silvex)	9.284	9.185	9.385	774.030	712.500	8.6
2,4-D	8.411	8.314	8.514	789.270	705.000	12.0
2,4-DCAA	7.283	7.185	7.385	724.500	750.000	-3.4



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance Contract: ATLA10
Lab Code: ACE SDG NO.: Q3092
GC Column: RTX-CLP2 ID: 0.32 (mm) Initi. Calib. Date(s): 09/09/2025 09/09/2025

Client Sample No.: CCAL03 Date Analyzed: 09/23/2025
Lab Sample No.: HSTDCCC750 Data File : PS031806.D Time Analyzed: 02:42

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
2,4,5-TP(Silvex)	9.892	9.793	9.993	734.360	712.500	3.1
2,4-D	8.999	8.900	9.100	734.670	705.000	4.2
2,4-DCAA	7.743	7.643	7.843	783.230	750.000	4.4

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS092225\
 Data File : PS031806.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Sep 2025 02:42
 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: Sep 23 03:28:19 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS090925.M
 Quant Title : 8080.M
 QLast Update : Tue Sep 09 13:56:38 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	7.743	2609.3E6	711.9E6	724.504m	783.228
Target Compounds							
1) T	Dalapon	2.671	2.692	3841.9E6	1867.0E6	664.601	662.623
2) T	3,5-DICHL...	6.451	6.695	3940.2E6	1112.8E6	738.779	729.718
3) T	4-Nitroph...	7.090	7.292	840.1E6	916.9E6	761.528m	726.128
5) T	DICAMBA	7.468	7.939	11850.6E6	4781.0E6	759.814	734.759
6) T	MCPD	7.647	8.036	702.5E6	146.9E6	78.586	77.981
7) T	MCPA	7.796	8.284	853.4E6	207.1E6	76.809	73.922
8) T	DICHLORPROP	8.176	8.658	2650.5E6	1099.6E6	744.158	755.722
9) T	2,4-D	8.411	8.999	2703.7E6	1208.6E6	789.268	734.674
10) T	Pentachlo...	8.707	9.508	42765.9E6	30251.2E6	805.477	762.176
11) T	2,4,5-TP ...	9.284	9.892	16234.3E6	11055.3E6	774.030	734.360
12) T	2,4,5-T	9.580	10.321	15281.8E6	10083.4E6	835.155	749.306
13) T	2,4-DB	10.154	10.889	1856.8E6	741.2E6	795.952m	692.692
14) T	DINOSEB	11.353	11.265	11589.6E6	7771.6E6	803.569	799.491
15) T	Picloram	11.178	12.383	16299.1E6	18027.8E6	904.951	761.206
16) T	DCPA	11.652	12.306	21211.1E6	17815.6E6	787.058	739.113

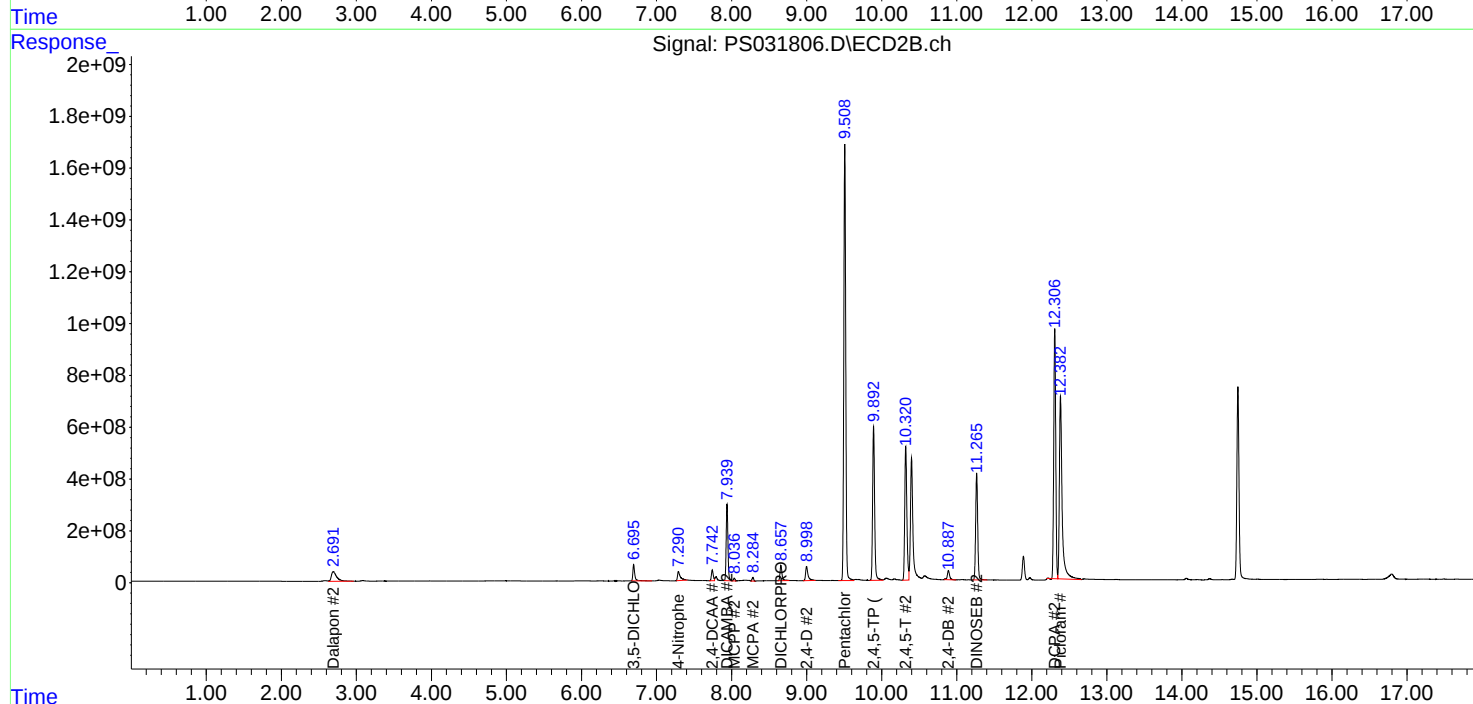
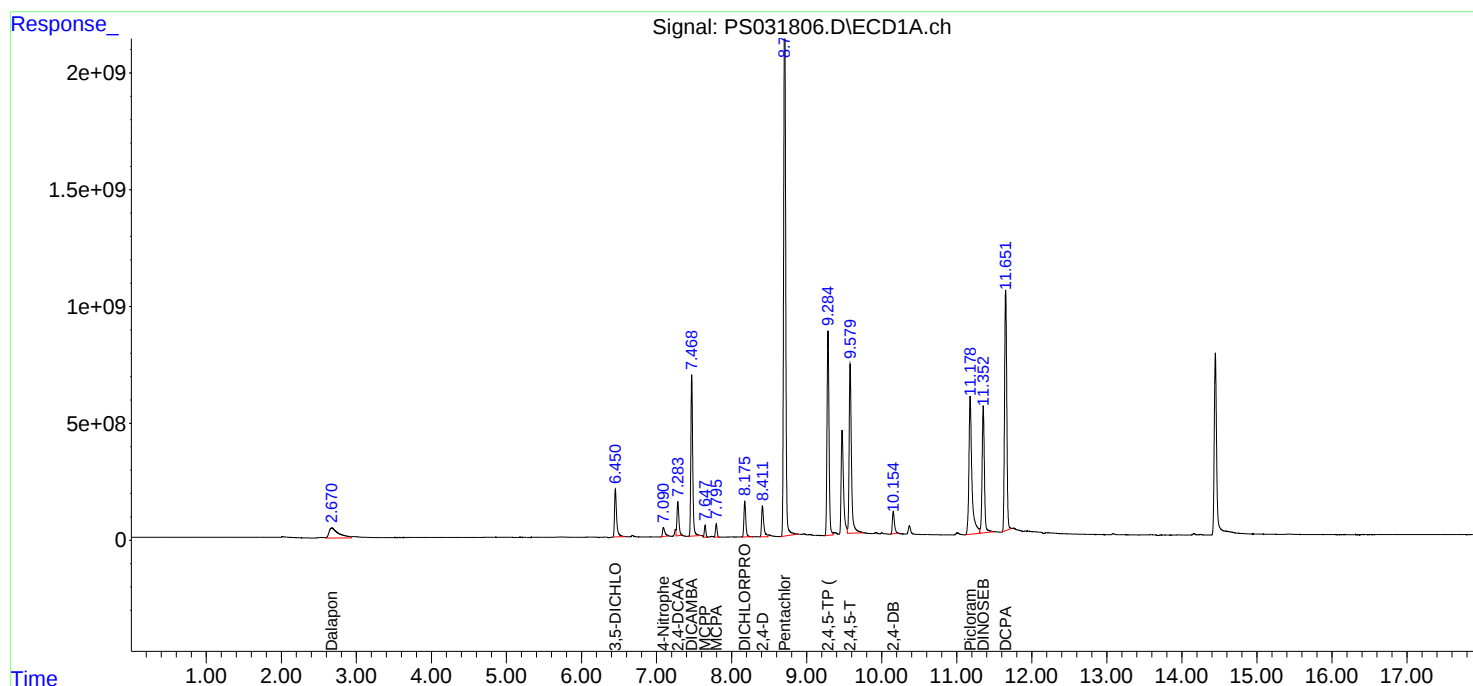
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS092225\
Data File : PS031806.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Sep 2025 02:42
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: Sep 23 03:28:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS090925.M
Quant Title : 8080.M
QLast Update : Tue Sep 09 13:56:38 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: Atlantic Recovery Services, Inc.	SDG No.: Q3092
Project: PGW Phila. Gas Works	Instrument ID: ECD_S
GC Column: RTX-CLP	ID: 0.32 (mm) Inst. Calib. Date(s): 09/09/2025 09/09/2025

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	09/09/2025	11:08	PS031667.D	7.29	0.00
HSTDICC200	HSTDICC200	09/09/2025	11:32	PS031668.D	7.29	0.00
HSTDICC500	HSTDICC500	09/09/2025	11:56	PS031669.D	7.29	0.00
HSTDICC750	HSTDICC750	09/09/2025	12:20	PS031670.D	7.29	0.00
HSTDICC1000	HSTDICC1000	09/09/2025	12:44	PS031671.D	7.29	0.00
HSTDICC1500	HSTDICC1500	09/09/2025	13:08	PS031672.D	7.28	0.00
IBLK	IBLK	09/22/2025	10:27	PS031781.D	7.29	0.00
HSTDCCC750	HSTDCCC750	09/22/2025	10:51	PS031782.D	7.28	0.00
PB169784BL	PB169784BL	09/22/2025	17:52	PS031785.D	7.29	0.00
PB169784BS	PB169784BS	09/22/2025	18:16	PS031786.D	7.29	0.00
PB169677TB	PB169677TB	09/22/2025	18:40	PS031787.D	7.29	0.00
291376	Q3092-02	09/22/2025	19:53	PS031790.D	7.29	0.00
291376MS	Q3092-02MS	09/22/2025	20:17	PS031791.D	7.29	0.00
291376MSD	Q3092-02MSD	09/22/2025	20:41	PS031792.D	7.28	0.00
IBLK	IBLK	09/22/2025	21:05	PS031793.D	7.29	0.00
HSTDCCC750	HSTDCCC750	09/22/2025	21:53	PS031794.D	7.29	0.00
279182	Q3092-04	09/22/2025	22:18	PS031795.D	7.29	0.00
IBLK	IBLK	09/23/2025	02:18	PS031805.D	7.28	0.00
HSTDCCC750	HSTDCCC750	09/23/2025	02:42	PS031806.D	7.28	0.00

Analytical Sequence

Client: Atlantic Recovery Services, Inc.	SDG No.: Q3092
Project: PGW Phila. Gas Works	Instrument ID: ECD_S
GC Column: RTX-CLP2	ID: 0.32 (mm) Inst. Calib. Date(s): 09/09/2025 09/09/2025

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	09/09/2025	11:08	PS031667.D	7.75	0.00
HSTDICC200	HSTDICC200	09/09/2025	11:32	PS031668.D	7.75	0.00
HSTDICC500	HSTDICC500	09/09/2025	11:56	PS031669.D	7.74	0.00
HSTDICC750	HSTDICC750	09/09/2025	12:20	PS031670.D	7.74	0.00
HSTDICC1000	HSTDICC1000	09/09/2025	12:44	PS031671.D	7.74	0.00
HSTDICC1500	HSTDICC1500	09/09/2025	13:08	PS031672.D	7.74	0.00
IBLK	IBLK	09/22/2025	10:27	PS031781.D	7.75	0.00
HSTDCCC750	HSTDCCC750	09/22/2025	10:51	PS031782.D	7.74	0.00
PB169784BL	PB169784BL	09/22/2025	17:52	PS031785.D	7.75	0.00
PB169784BS	PB169784BS	09/22/2025	18:16	PS031786.D	7.75	0.00
PB169677TB	PB169677TB	09/22/2025	18:40	PS031787.D	7.74	0.00
291376	Q3092-02	09/22/2025	19:53	PS031790.D	7.74	0.00
291376MS	Q3092-02MS	09/22/2025	20:17	PS031791.D	7.74	0.00
291376MSD	Q3092-02MSD	09/22/2025	20:41	PS031792.D	7.74	0.00
IBLK	IBLK	09/22/2025	21:05	PS031793.D	7.75	0.00
HSTDCCC750	HSTDCCC750	09/22/2025	21:53	PS031794.D	7.75	0.00
279182	Q3092-04	09/22/2025	22:18	PS031795.D	7.75	0.00
IBLK	IBLK	09/23/2025	02:18	PS031805.D	7.74	0.00
HSTDCCC750	HSTDCCC750	09/23/2025	02:42	PS031806.D	7.74	0.00

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

291376MS

Lab Name: Alliance

Contract: ATLA10

Lab Code: ACE

SDG NO.: Q3092

Lab Sample ID: Q3092-02MS

Date(s) Analyzed: 09/22/2025 09/22/2025

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		
2,4,5-TP(Silvex)	1	9.28	9.23	9.33	55.2	7.9
	2	9.89	9.84	9.94	51.0	
2,4-D	1	8.41	8.36	8.46	58.6	1
	2	9.00	8.95	9.05	58.0	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

291376MSD

Lab Name: Alliance

Contract: ATLA10

Lab Code: ACE

SDG NO.: Q3092

Lab Sample ID: Q3092-02MSD

Date(s) Analyzed: 09/22/2025 09/22/2025

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	58.6	0.5
	2	9.00	8.95	9.05	58.3	
2,4,5-TP(Silvex)	1	9.29	9.24	9.34	55.4	8.1
	2	9.89	9.84	9.94	51.1	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB169784BS

Lab Name: Alliance

Contract: ATLA10

Lab Code: ACE

SDG NO.: Q3092

Lab Sample ID: PB169784BS

Date(s) Analyzed: 09/22/2025 09/22/2025

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	5.00	2
	2	9.01	8.96	9.06	5.10	
2,4,5-TP(Silvex)	1	9.29	9.24	9.34	5.90	8.8
	2	9.89	9.84	9.94	5.40	



QC SAMPLE DATA

Report of Analysis

Client:	Atlantic Recovery Services, Inc.	Date Collected:	
Project:	PGW Phila. Gas Works	Date Received:	
Client Sample ID:	PB169784BL	SDG No.:	Q3092
Lab Sample ID:	PB169784BL	Matrix:	TCLP
Analytical Method:	8151A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS031785.D	1	09/22/25 10:20	09/22/25 17:52	PB169784

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	0.92	U	0.92	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	0.78	U	0.78	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	462		61 - 136	92%	SPK: 500

Comments:

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\PS092225\
Data File : PS031785.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Sep 2025 17:52
Operator : AR\AJ
Sample : PB169784BL
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
PB169784BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 01:48:17 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS090925.M
Quant Title : 8080.M
QLast Update : Tue Sep 09 13:56:38 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	7.745	1554.7E6	420.3E6	431.691	462.443

Target Compounds

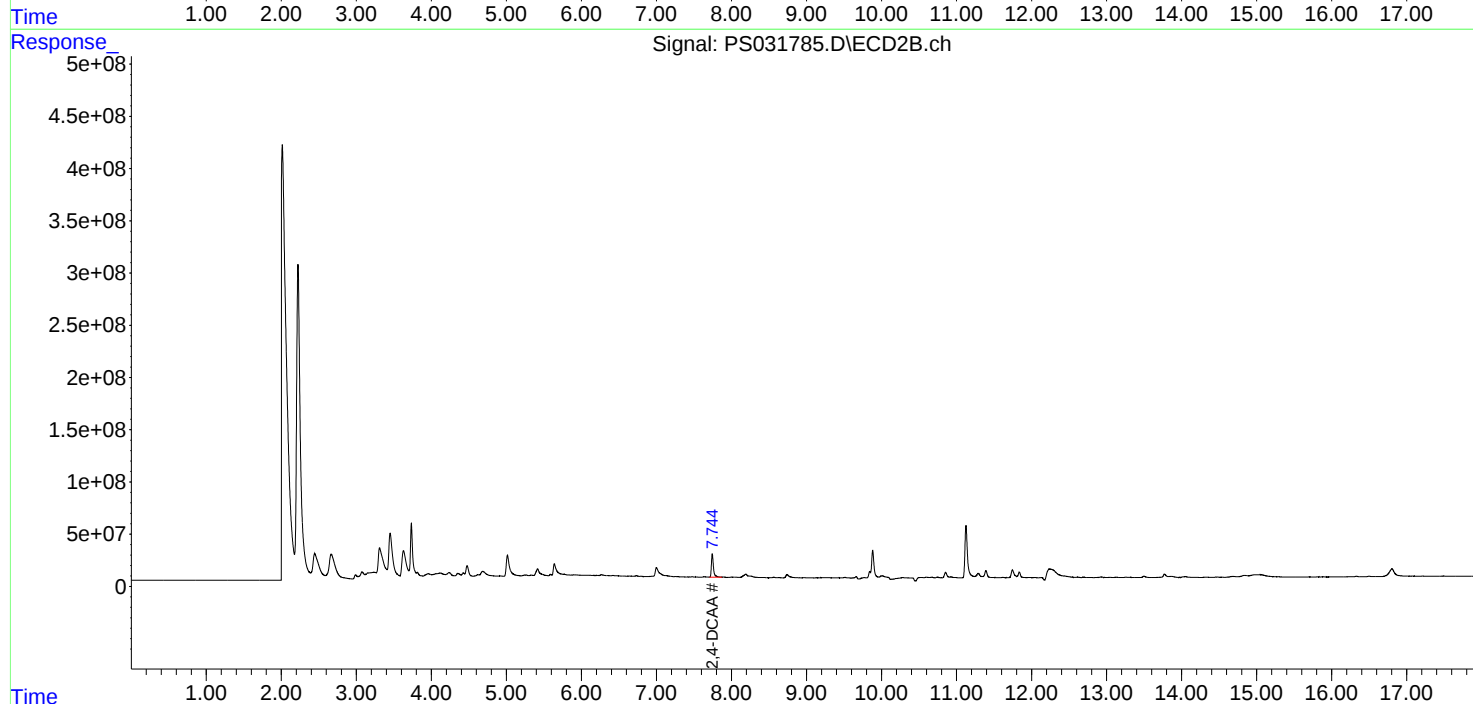
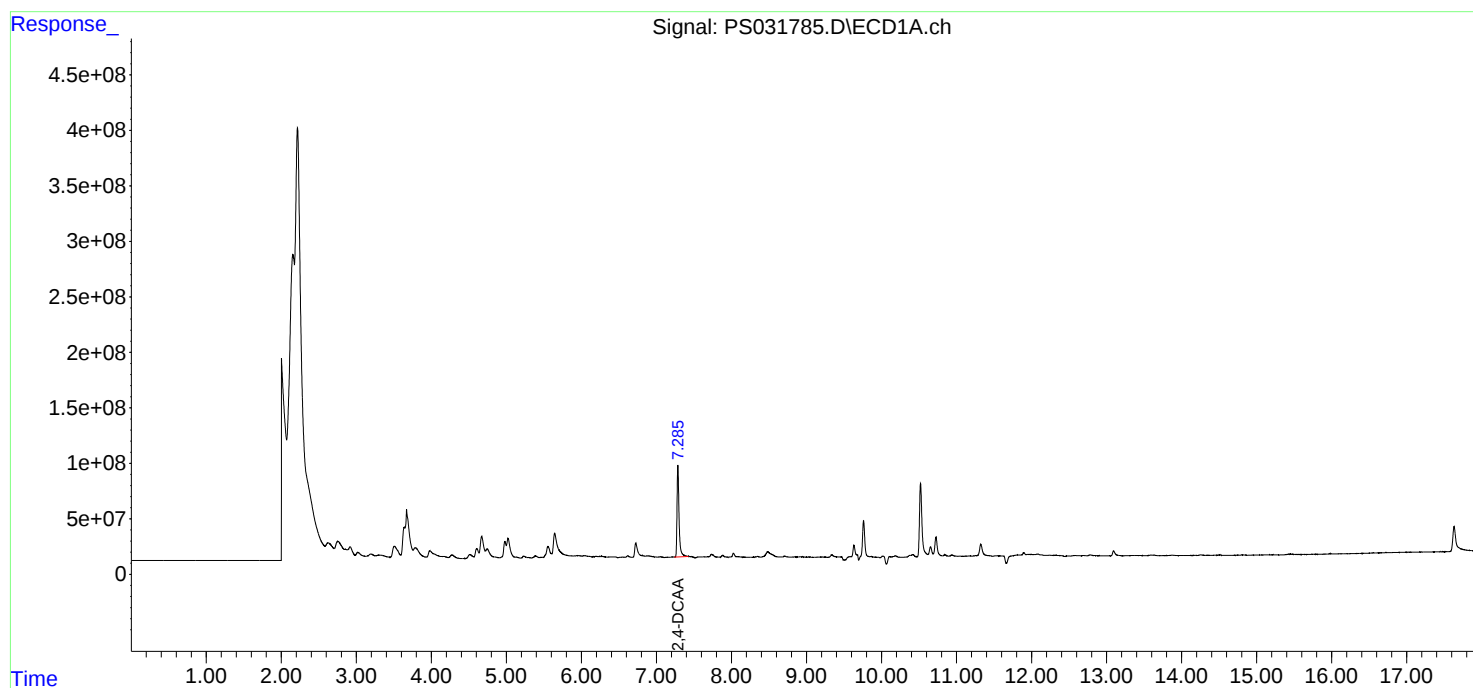
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS092225\
Data File : PS031785.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Sep 2025 17:52
Operator : AR\AJ
Sample : PB169784BL
Misc :
ALS Vial : 6 Sample Multiplier: 1

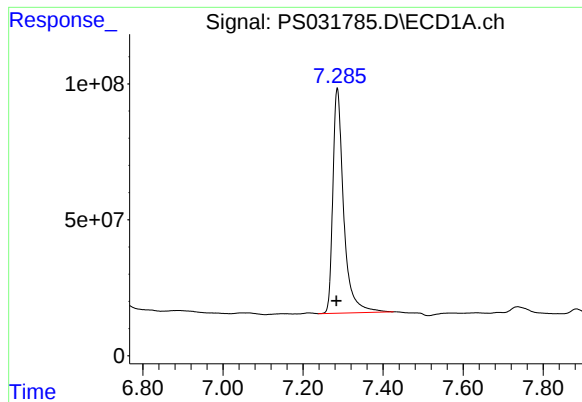
Instrument :
ECD_S
ClientSampleId :
PB169784BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 01:48:17 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS090925.M
Quant Title : 8080.M
QLast Update : Tue Sep 09 13:56:38 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



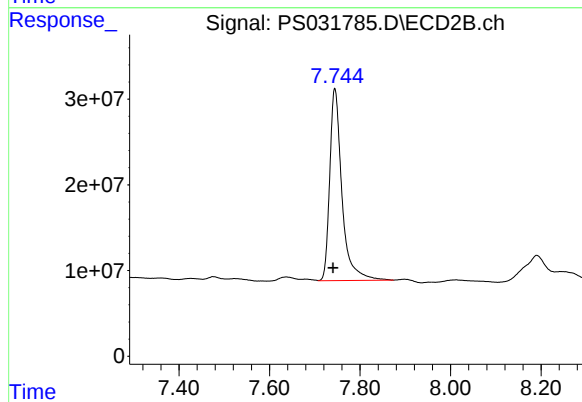
Time



#4 2,4-DCAA

R.T.: 7.286 min
Delta R.T.: 0.003 min
Response: 1554748271
Conc: 431.69 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB169784BL



#4 2,4-DCAA

R.T.: 7.745 min
Delta R.T.: 0.004 min
Response: 420314164
Conc: 462.44 ng/ml

Report of Analysis

Client:	Atlantic Recovery Services, Inc.	Date Collected:	09/09/25
Project:	PGW Phila. Gas Works	Date Received:	09/09/25
Client Sample ID:	PIBLK-PS031667.D	SDG No.:	Q3092
Lab Sample ID:	I.BLK-PS031667.D	Matrix:	TCLP
Analytical Method:	8151A	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	TCLP Herbicide
GPC Factor :	1.0	PH :	
Prep Method :	SW3510C	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS031667.D	1		09/09/25	Ps090925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	0.92	U	0.92	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	0.78	U	0.78	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	525		61 - 136	105%	SPK: 500

Comments:

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\PS090925\
Data File : PS031667.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Sep 2025 11:08
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 09 13:57:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS090925.M
Quant Title : 8080.M
QLast Update : Tue Sep 09 13:56:38 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	7.747	1603.7E6	477.2E6	445.295	525.021

Target Compounds

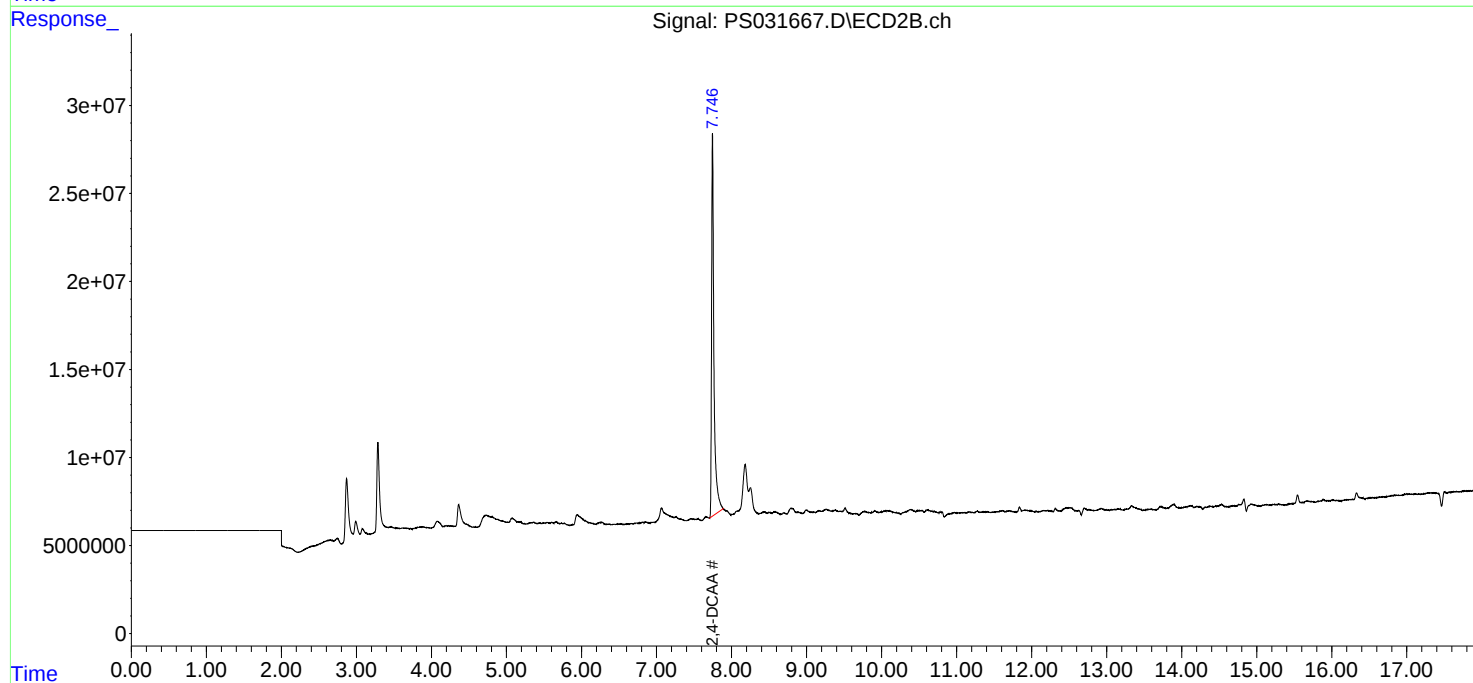
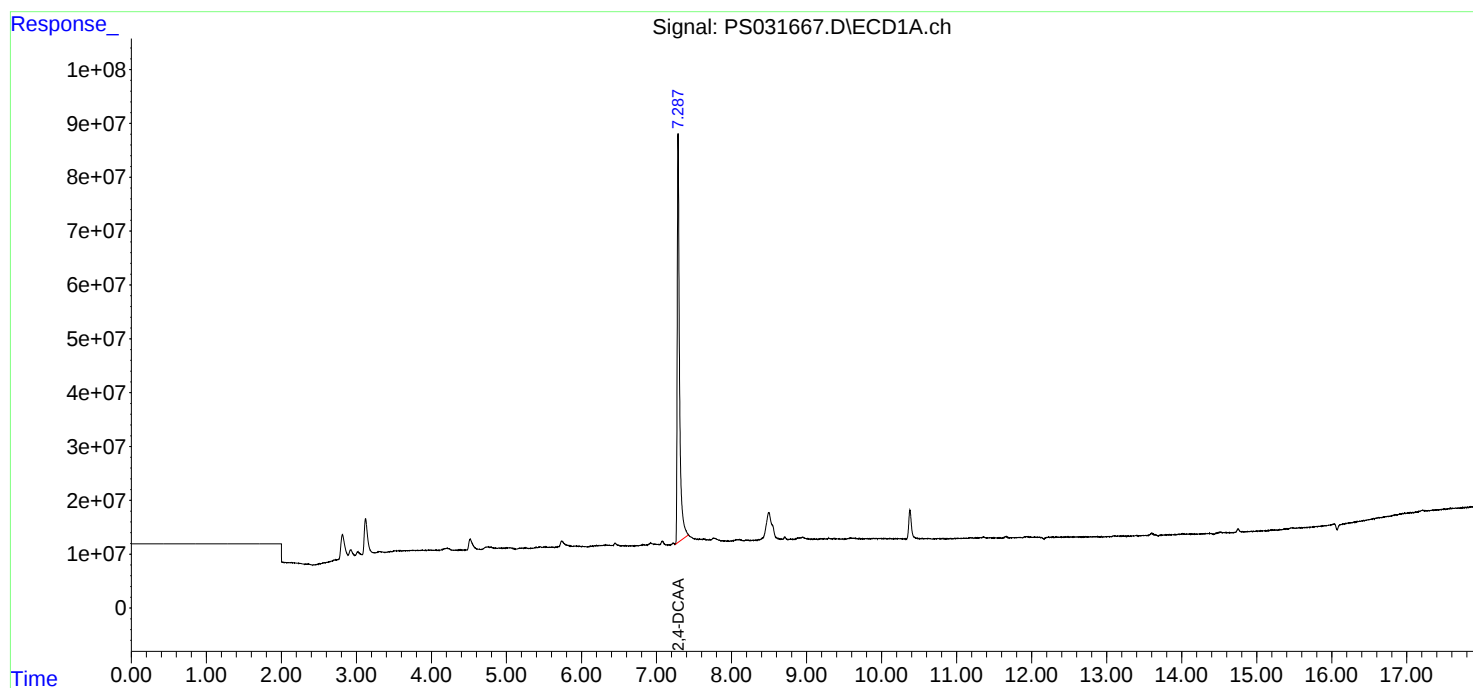
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

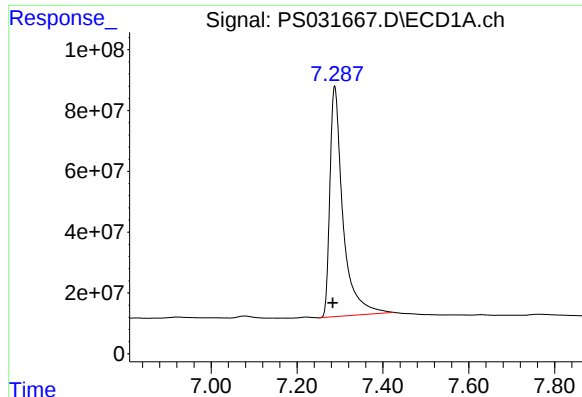
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS090925\
Data File : PS031667.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Sep 2025 11:08
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 09 13:57:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS090925.M
Quant Title : 8080.M
QLast Update : Tue Sep 09 13:56:38 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

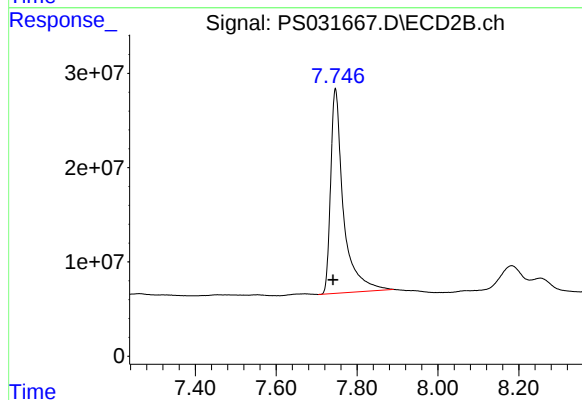




#4 2,4-DCAA

R.T.: 7.288 min
Delta R.T.: 0.005 min
Response: 1603740300
Conc: 445.29 ng/ml

Instrument :
ECD_S
ClientSampleId :
I.BLK



#4 2,4-DCAA

R.T.: 7.747 min
Delta R.T.: 0.006 min
Response: 477190885
Conc: 525.02 ng/ml

Report of Analysis

Client:	Atlantic Recovery Services, Inc.	Date Collected:	09/22/25
Project:	PGW Phila. Gas Works	Date Received:	09/22/25
Client Sample ID:	PIBLK-PS031781.D	SDG No.:	Q3092
Lab Sample ID:	I.BLK-PS031781.D	Matrix:	TCLP
Analytical Method:	8151A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS031781.D	1		09/22/25	PS092225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	0.92	U	0.92	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	0.78	U	0.78	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	541		61 - 136	108%	SPK: 500

Comments:

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\PS092225\
Data File : PS031781.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Sep 2025 10:27
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: Sep 23 01:46:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS090925.M
Quant Title : 8080.M
QLast Update : Tue Sep 09 13:56:38 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	7.285	7.745	1766.3E6	491.7E6	490.439	540.963m

Target Compounds

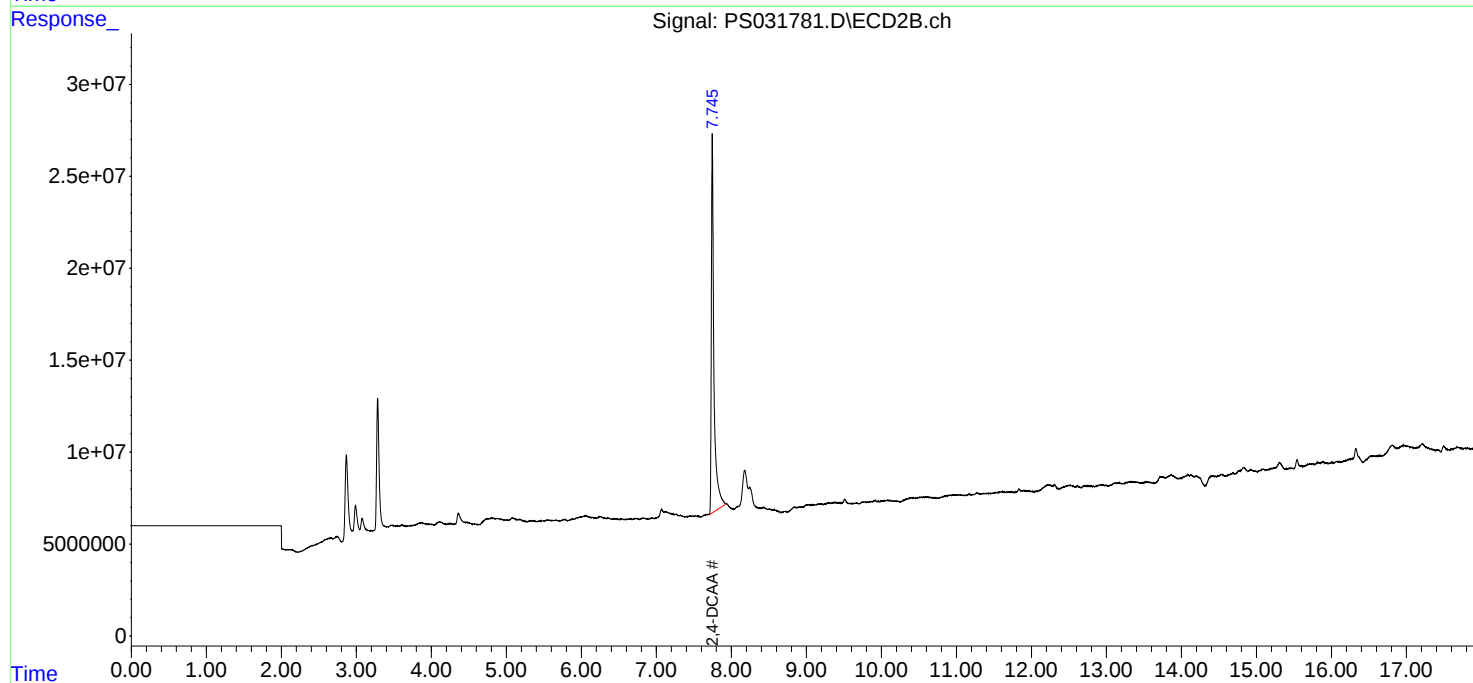
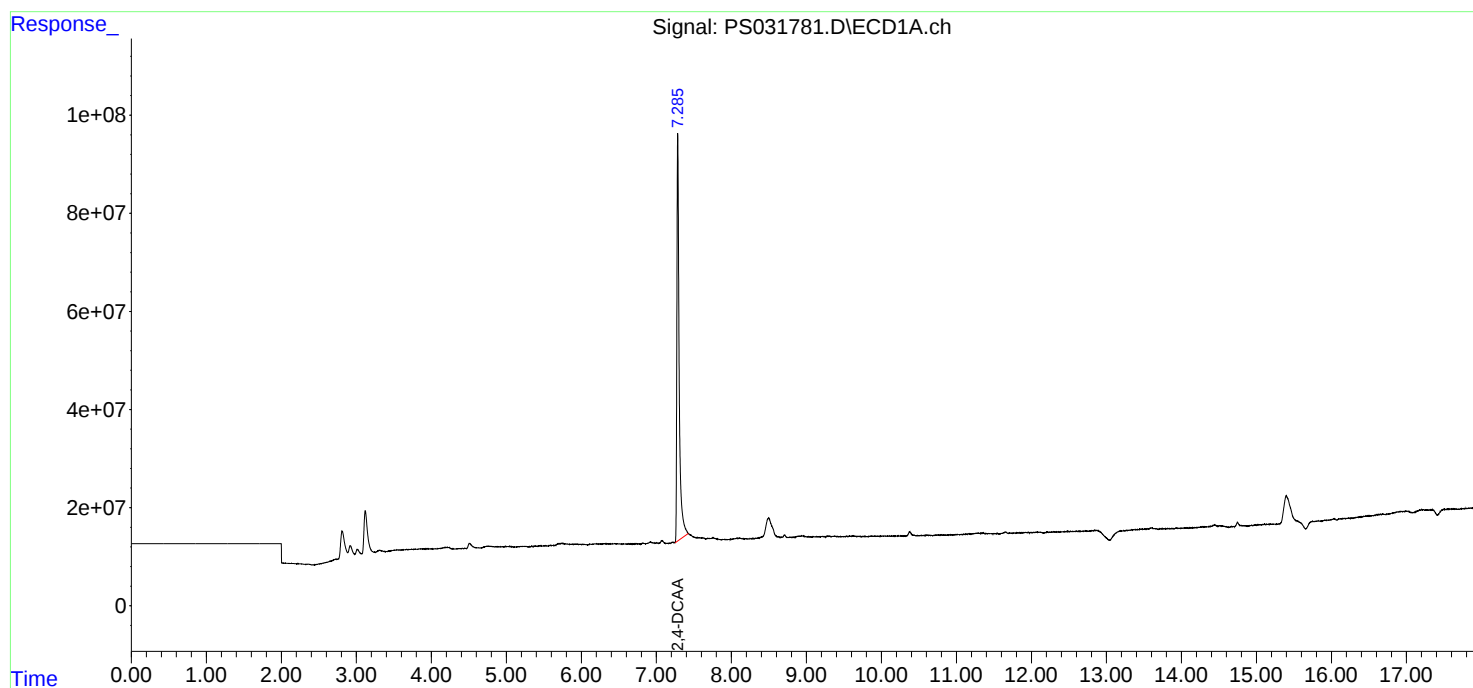
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS092225\
Data File : PS031781.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Sep 2025 10:27
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
I.BLK

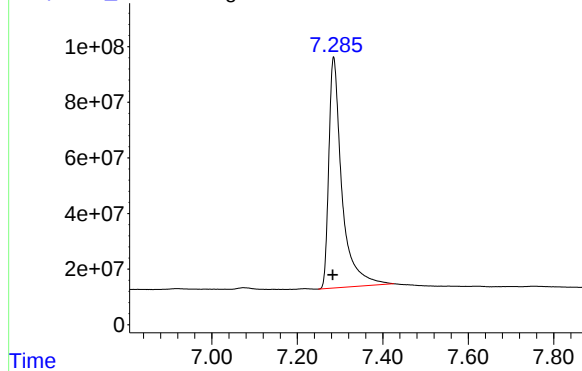
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 01:46:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS090925.M
Quant Title : 8080.M
QLast Update : Tue Sep 09 13:56:38 2025
Response via : Initial Calibration
Integrator: ChemStation

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: PS031781.D\ECD1A.ch

#4 2,4-DCAA

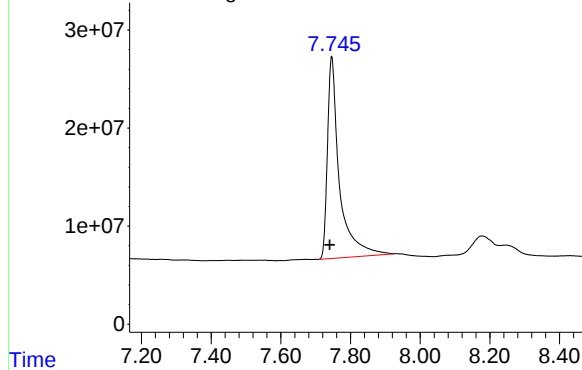


R.T.: 7.285 min
Delta R.T.: 0.002 min
Response: 1766330745
Conc: 490.44 ng/ml

Instrument :
ECD_S
ClientSampleId :
I.BLK

Time Response_ Signal: PS031781.D\ECD2B.ch

#4 2,4-DCAA



R.T.: 7.745 min
Delta R.T.: 0.005 min
Response: 491680660
Conc: 540.96 ng/ml m

Report of Analysis

Client:	Atlantic Recovery Services, Inc.	Date Collected:	09/22/25
Project:	PGW Phila. Gas Works	Date Received:	09/22/25
Client Sample ID:	PIBLK-PS031793.D	SDG No.:	Q3092
Lab Sample ID:	I.BLK-PS031793.D	Matrix:	TCLP
Analytical Method:	8151A	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	TCLP Herbicide
GPC Factor :	1.0	PH :	
Prep Method :	SW3510C	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS031793.D	1		09/22/25	PS092225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	0.92	U	0.92	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	0.78	U	0.78	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	532		61 - 136	106%	SPK: 500

Comments:

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\PS092225\
Data File : PS031793.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Sep 2025 21:05
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: Sep 23 01:51:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS090925.M
Quant Title : 8080.M
QLast Update : Tue Sep 09 13:56:38 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	7.748	1797.2E6	483.6E6	499.019	532.106

Target Compounds

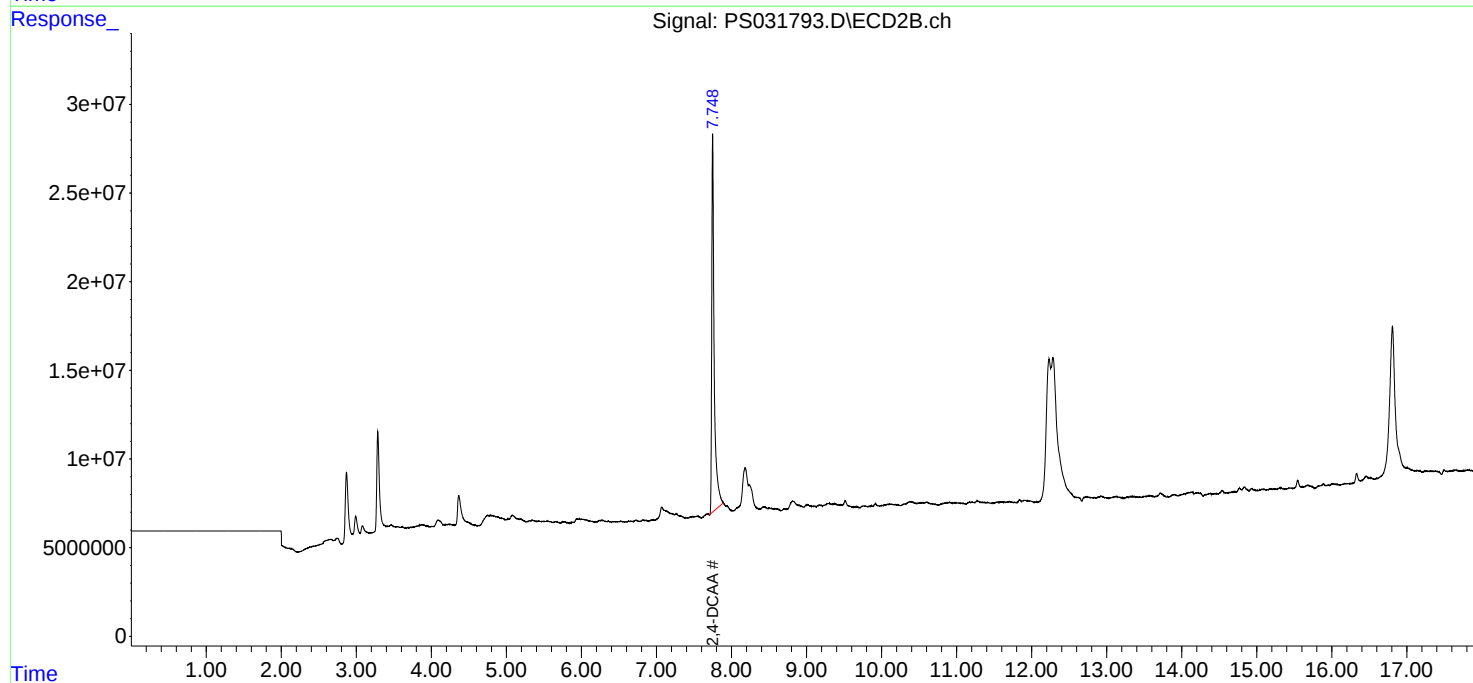
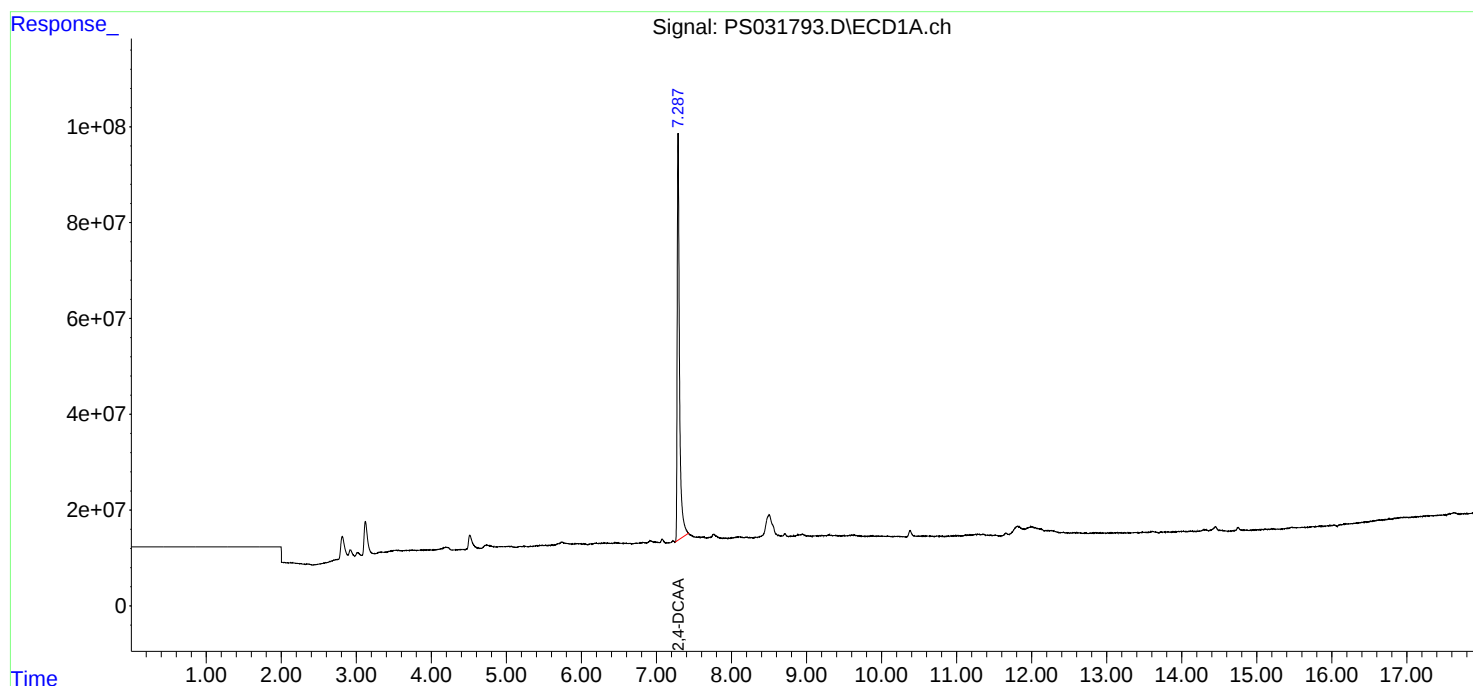
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS092225\
Data File : PS031793.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Sep 2025 21:05
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
I.BLK

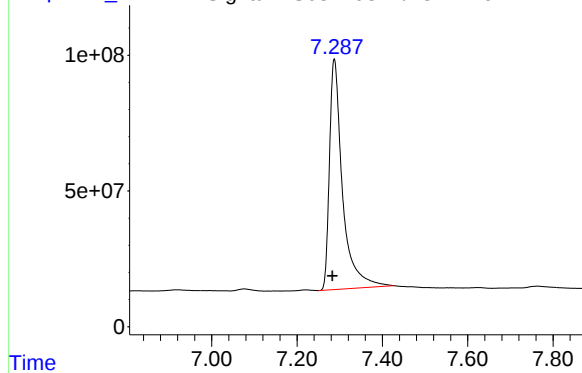
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 01:51:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS090925.M
Quant Title : 8080.M
QLast Update : Tue Sep 09 13:56:38 2025
Response via : Initial Calibration
Integrator: ChemStation

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: PS031793.D\ECD1A.ch

#4 2,4-DCAA

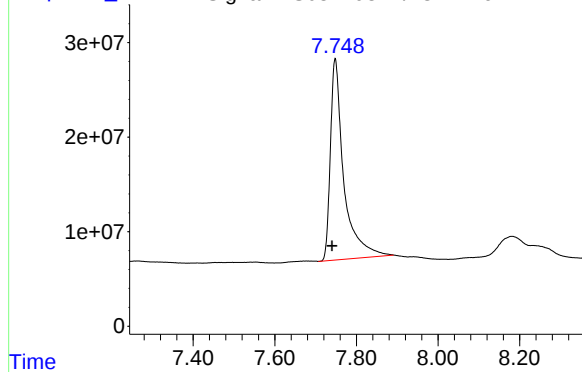


R.T.: 7.287 min
Delta R.T.: 0.004 min
Response: 1797230911
Conc: 499.02 ng/ml

Instrument :
ECD_S
ClientSampleId :
I.BLK

Time Response_ Signal: PS031793.D\ECD2B.ch

#4 2,4-DCAA



R.T.: 7.748 min
Delta R.T.: 0.008 min
Response: 483630872
Conc: 532.11 ng/ml

Report of Analysis

Client:	Atlantic Recovery Services, Inc.	Date Collected:	09/23/25
Project:	PGW Phila. Gas Works	Date Received:	09/23/25
Client Sample ID:	PIBLK-PS031805.D	SDG No.:	Q3092
Lab Sample ID:	I.BLK-PS031805.D	Matrix:	TCLP
Analytical Method:	8151A	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	TCLP Herbicide
GPC Factor :	1.0	PH :	
Prep Method :	SW3510C	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS031805.D	1		09/23/25	PS092225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	0.92	U	0.92	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	0.78	U	0.78	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	569		61 - 136	114%	SPK: 500

Comments:

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\PS092225\
Data File : PS031805.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Sep 2025 02:18
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: Sep 23 02:42:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS090925.M
Quant Title : 8080.M
QLast Update : Tue Sep 09 13:56:38 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	7.743	1860.3E6	516.9E6	516.525	568.690

Target Compounds

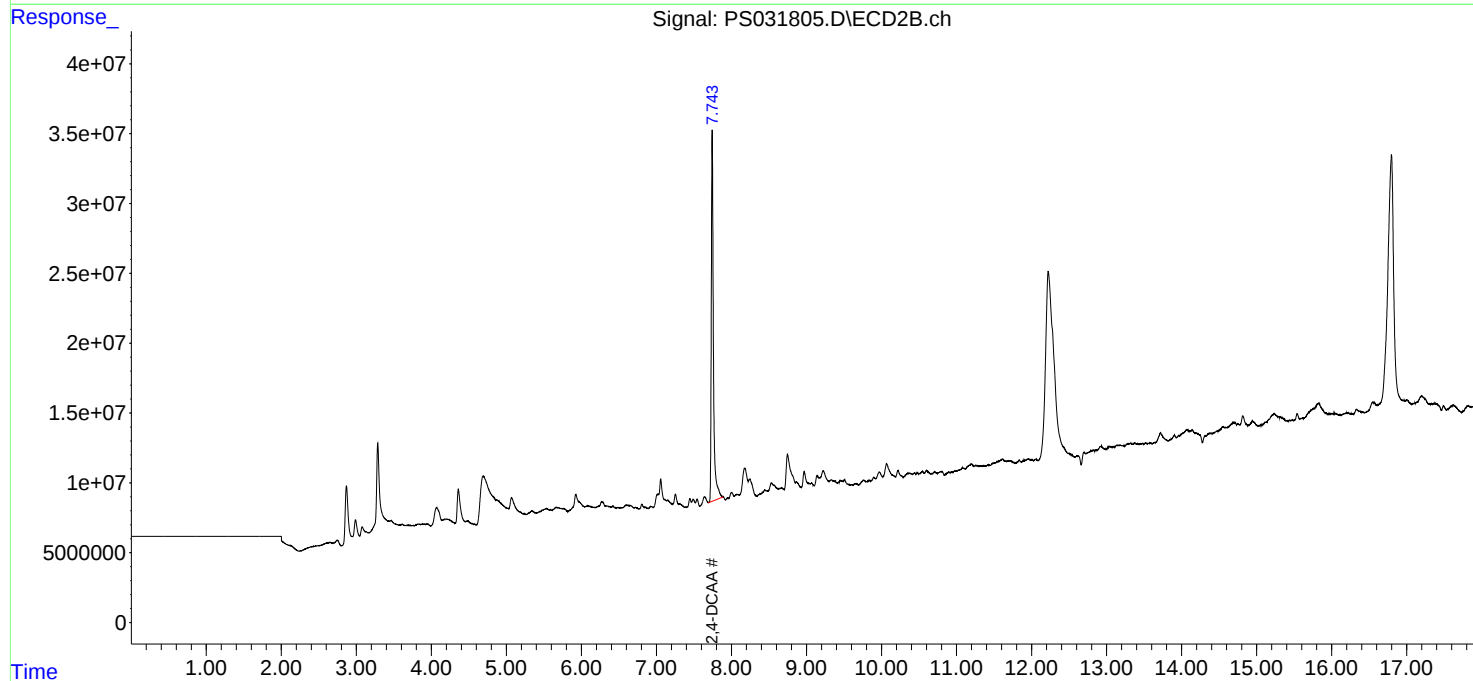
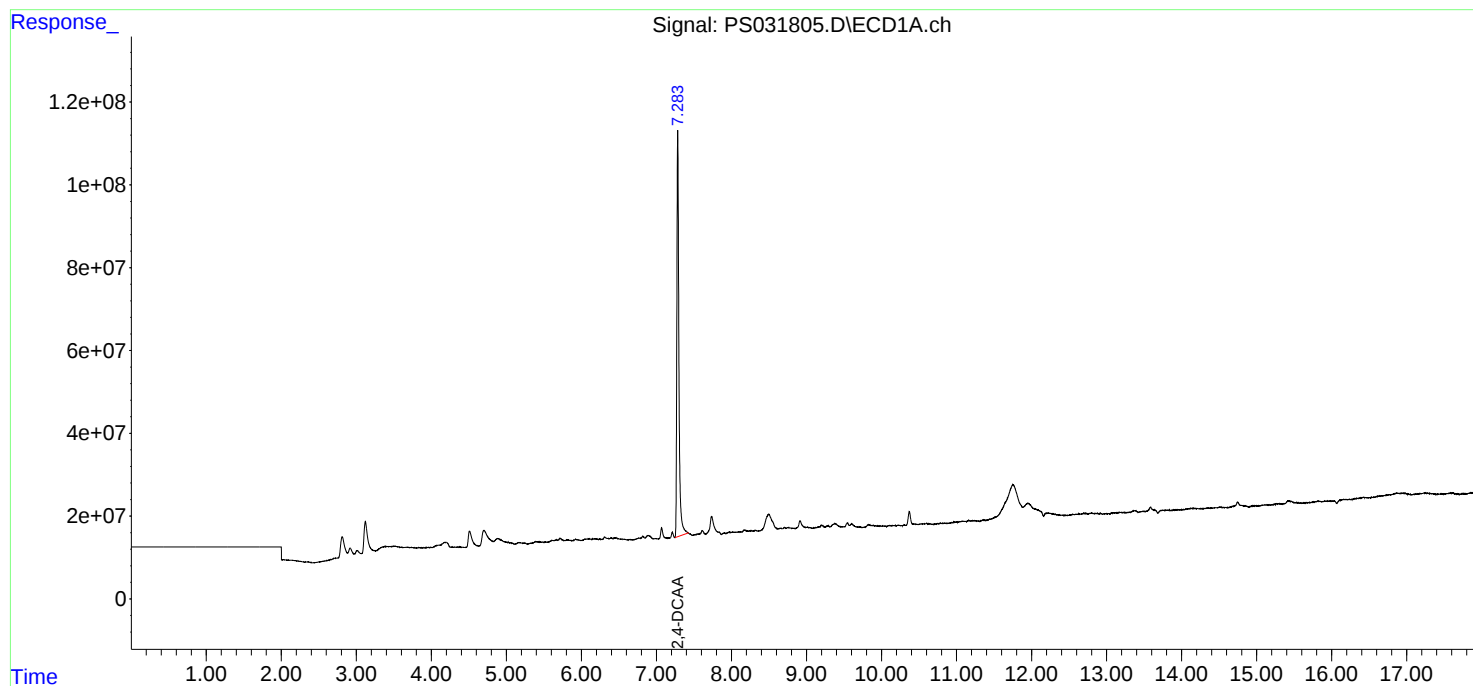
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS092225\
Data File : PS031805.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Sep 2025 02:18
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
I.BLK

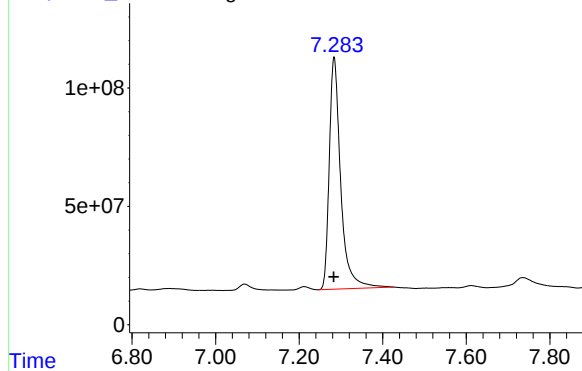
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 02:42:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS090925.M
Quant Title : 8080.M
QLast Update : Tue Sep 09 13:56:38 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Signal: PS031805.D\ECD1A.ch

#4 2,4-DCAA

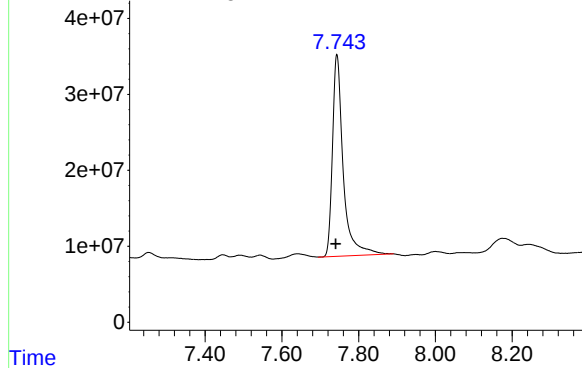


R.T.: 7.284 min
Delta R.T.: 0.000 min
Response: 1860280599
Conc: 516.53 ng/ml

Instrument :
ECD_S
ClientSampleId :
I.BLK

Signal: PS031805.D\ECD2B.ch

#4 2,4-DCAA



R.T.: 7.743 min
Delta R.T.: 0.003 min
Response: 516881810
Conc: 568.69 ng/ml

Report of Analysis

Client:	Atlantic Recovery Services, Inc.	Date Collected:	
Project:	PGW Phila. Gas Works	Date Received:	
Client Sample ID:	PB169784BS	SDG No.:	Q3092
Lab Sample ID:	PB169784BS	Matrix:	TCLP
Analytical Method:	8151A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS031786.D	1	09/22/25 10:20	09/22/25 18:16	PB169784

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	5.10		0.92	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	5.90		0.78	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	613		61 - 136	123%	SPK: 500

Comments:

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\PS092225\
 Data File : PS031786.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 22 Sep 2025 18:16
 Operator : AR\AJ
 Sample : PB169784BS
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 PB169784BS

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 23 01:48:39 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS090925.M
 Quant Title : 8080.M
 QLast Update : Tue Sep 09 13:56:38 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	7.746	2208.6E6	495.5E6	613.234	545.176
Target Compounds							
1) T	Dalapon	2.673	2.692	3027.2E6	1437.9E6	523.662	510.328
2) T	3,5-DICHL...	6.453	6.698	3006.0E6	826.1E6	563.627	541.748
3) T	4-Nitroph...	7.099	7.304	701.9E6	535.3E6	636.247	423.878 #
5) T	DICAMBA	7.469	7.940	8916.3E6	3436.1E6	571.677	528.077
6) T	MCPD	7.646	8.036	483.6E6	103.9E6	54.094	55.148
7) T	MCPA	7.795	8.282	590.7E6	148.3E6	53.166	52.945
8) T	DICHLORPROP	8.178	8.660	2011.5E6	793.4E6	564.762	545.280
9) T	2,4-D	8.416	9.005	1715.0E6	846.7E6	500.634m	514.659
10) T	Pentachlo...	8.708	9.509	33399.4E6	22228.4E6	629.064	560.043
11) T	2,4,5-TP ...	9.286	9.894	12329.8E6	8126.0E6	587.871	539.777
12) T	2,4,5-T	9.584	10.325	10954.8E6	7005.7E6	598.684	520.597
13) T	2,4-DB	10.160	10.894	1371.7E6	489.8E6	587.997	457.717
14) T	DINOSEB	11.354	11.267	9194.4E6	5877.2E6	637.494	604.610
15) T	Picloram	11.187	12.392	9980.9E6	11572.9E6	554.154	488.653
16) T	DCPA	11.652	12.307	16252.0E6	13632.1E6	603.046	565.549

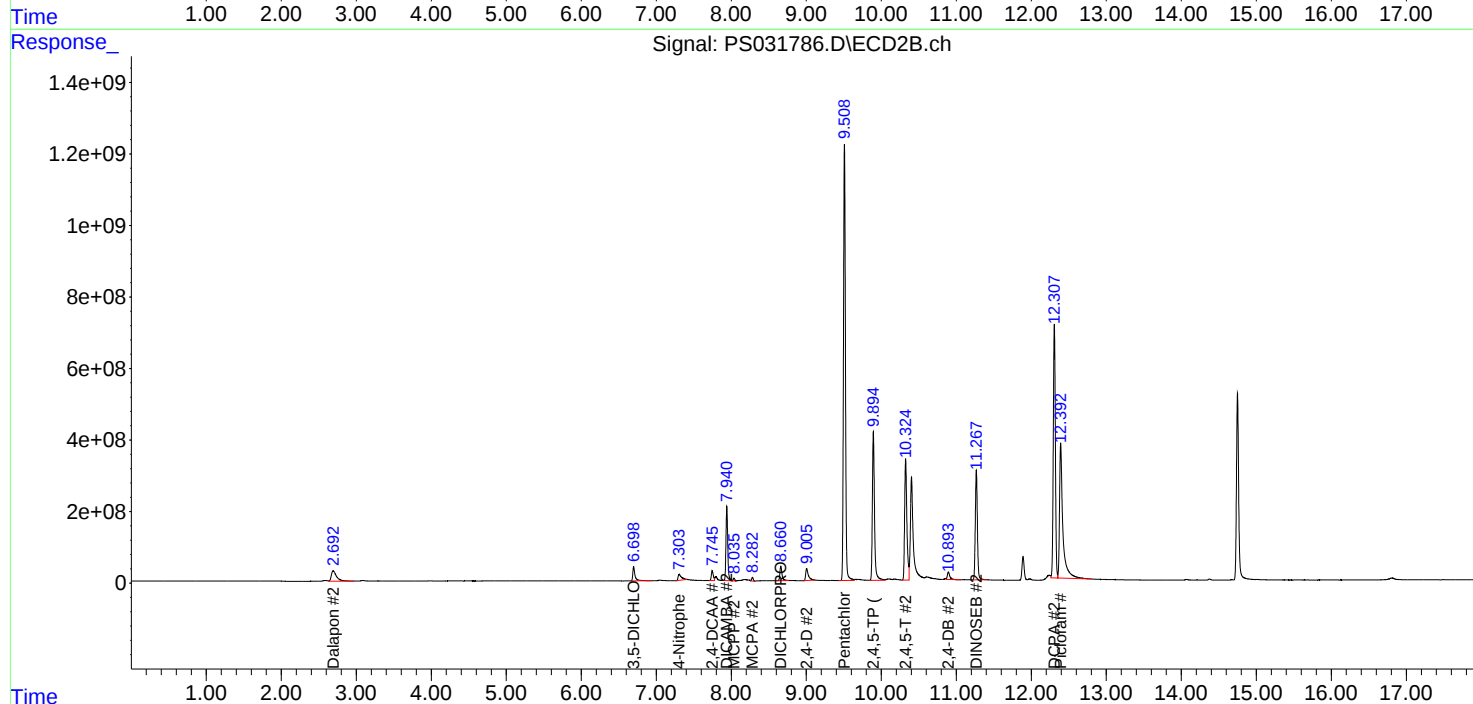
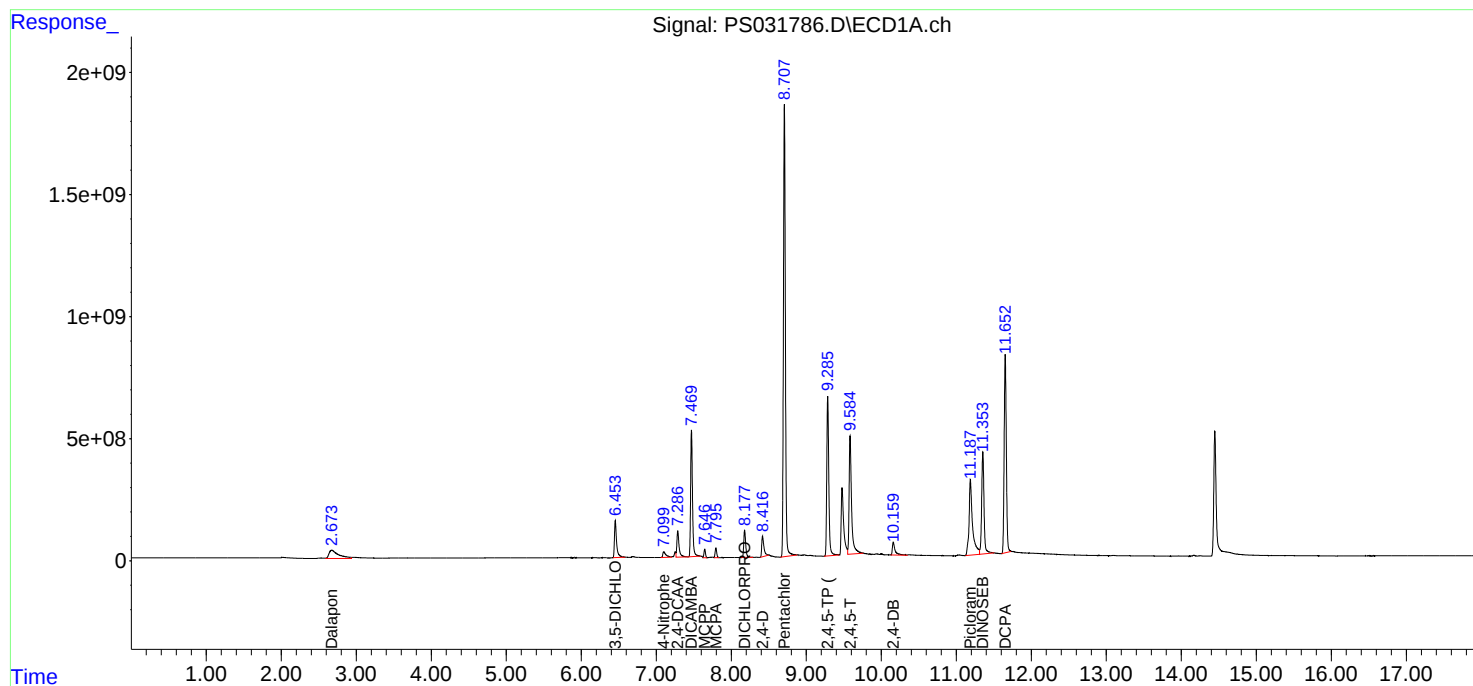
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS092225\
Data File : PS031786.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Sep 2025 18:16
Operator : AR\AJ
Sample : PB169784BS
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
PB169784BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 01:48:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS090925.M
Quant Title : 8080.M
QLast Update : Tue Sep 09 13:56:38 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



Report of Analysis

Client:	Atlantic Recovery Services, Inc.	Date Collected:	09/12/25
Project:	PGW Phila. Gas Works	Date Received:	09/12/25
Client Sample ID:	291376MS	SDG No.:	Q3092
Lab Sample ID:	Q3092-02MS	Matrix:	TCLP
Analytical Method:	8151A	% Solid:	0
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	TCLP Herbicide
GPC Factor :	1.0	PH :	
Prep Method :	SW3510C	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS031791.D	1	09/22/25 10:20	09/22/25 20:17	PB169784

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	58.6		9.20	20.0	ug/L
93-72-1	2,4,5-TP (Silvex)	55.2		7.80	20.0	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	513		61 - 136	103%	SPK: 500

Comments:

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\PS092225\
 Data File : PS031791.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 22 Sep 2025 20:17
 Operator : AR\AJ
 Sample : Q3092-02MS
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 291376MS

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 23 01:50:40 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS090925.M
 Quant Title : 8080.M
 QLast Update : Tue Sep 09 13:56:38 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	7.285	7.743	1810.8E6	465.9E6	502.787	512.636m
Target Compounds							
1) T	Dalapon	2.671	2.684	2123.4E6	2113.8E6	367.316	750.217m#
2) T	3,5-DICHL...	6.452	6.696	2581.8E6	658.2E6	484.093	431.585
5) T	DICAMBA	7.469	7.940	7284.6E6	2997.9E6	467.063	460.734
6) T	MCP	7.645	8.035	400.5E6	74082596	44.799	39.334
7) T	MCPA	7.794	8.282	542.6E6	120.2E6	48.834	42.918
8) T	DICHLORPROP	8.176	8.658	1832.1E6	704.0E6	514.383	483.838
9) T	2,4-D	8.412	8.998	2009.1E6	954.1E6	586.481	579.967
10) T	Pentachlo...	8.707	9.509	26935.5E6	17867.0E6	507.319	450.157
11) T	2,4,5-TP ...	9.284	9.892	11568.9E6	7675.3E6	551.590	509.841
12) T	2,4,5-T	9.581	10.322	10261.8E6	6590.2E6	560.807	489.722
13) T	2,4-DB	10.157	10.890	1305.1E6	454.6E6	559.447	424.874m
14) T	DINOSEB	11.353	11.266	5909.4E6	3644.3E6	409.727	374.906
15) T	Picloram	11.184	12.387	8561.8E6	9395.4E6	475.362	396.709
16) T	DCPA	11.651	12.307	12749.3E6	11695.3E6	473.076	485.201

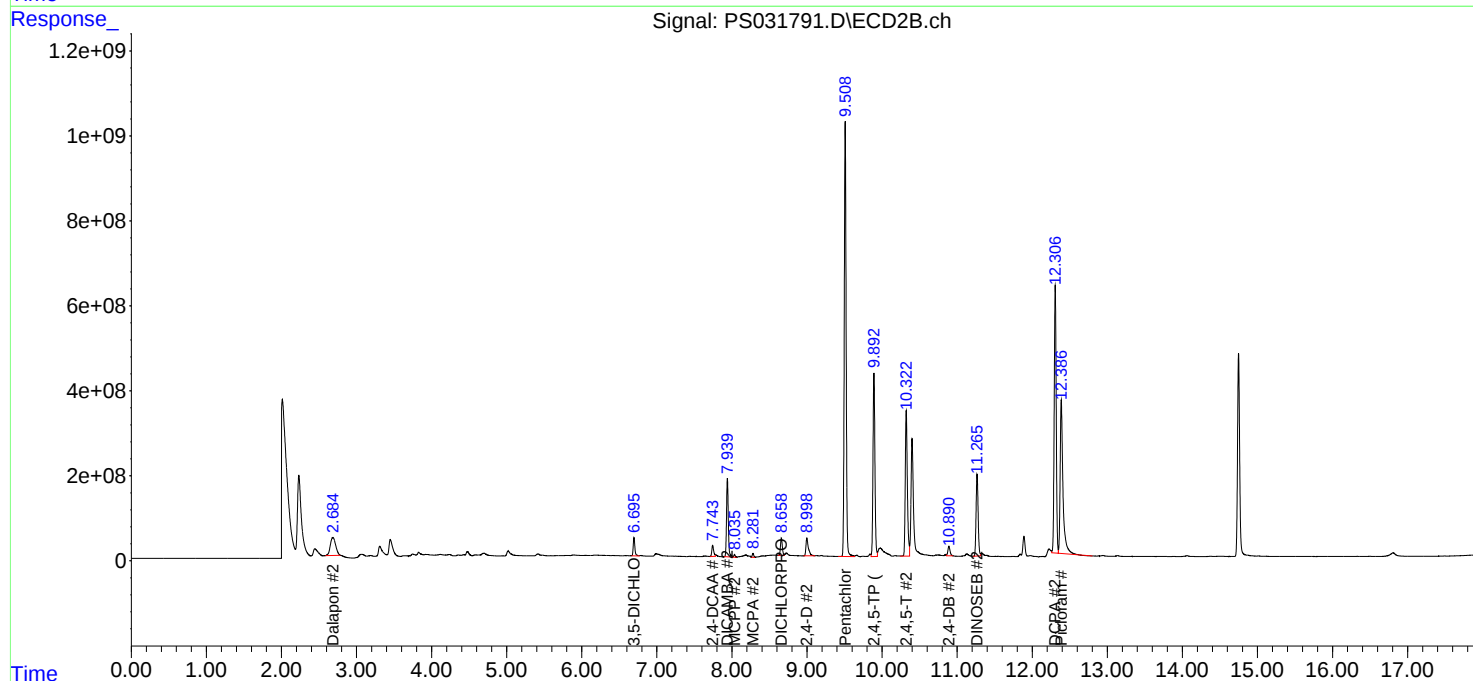
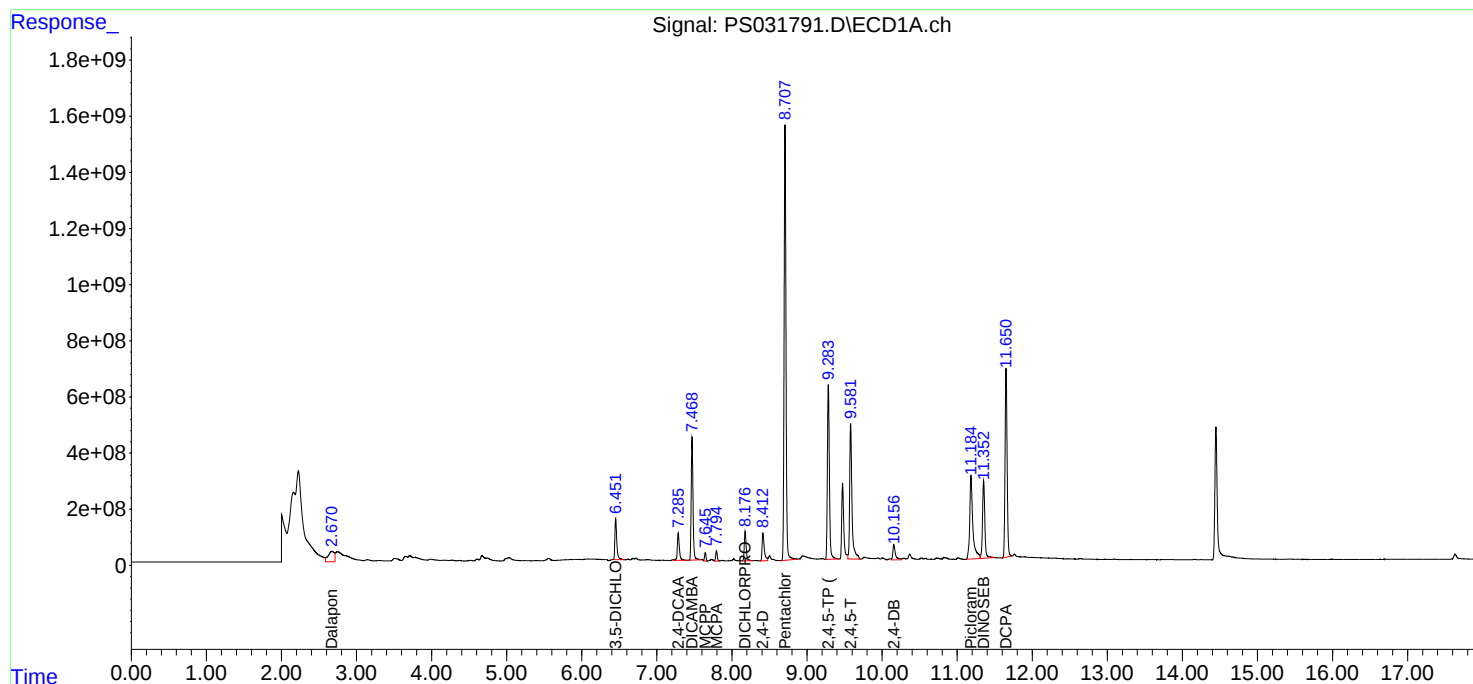
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS092225\
Data File : PS031791.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Sep 2025 20:17
Operator : AR\AJ
Sample : Q3092-02MS
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
291376MS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 01:50:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS090925.M
Quant Title : 8080.M
QLast Update : Tue Sep 09 13:56:38 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



Report of Analysis

Client:	Atlantic Recovery Services, Inc.	Date Collected:	09/12/25
Project:	PGW Phila. Gas Works	Date Received:	09/12/25
Client Sample ID:	291376MSD	SDG No.:	Q3092
Lab Sample ID:	Q3092-02MSD	Matrix:	TCLP
Analytical Method:	8151A	% Solid:	0
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	10000
Extraction Type:		Test:	TCLP Herbicide
GPC Factor :	1.0	Injection Volume :	
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS031792.D	1	09/22/25 10:20	09/22/25 20:41	PB169784

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	58.6		9.20	20.0	ug/L
93-72-1	2,4,5-TP (Silvex)	55.4		7.80	20.0	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	526		61 - 136	105%	SPK: 500

Comments:

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\PS092225\
 Data File : PS031792.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 22 Sep 2025 20:41
 Operator : AR\AJ
 Sample : Q3092-02MSD
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 291376MSD

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 23 01:51:07 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS090925.M
 Quant Title : 8080.M
 QLast Update : Tue Sep 09 13:56:38 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	7.743	1625.5E6	478.1E6	451.329m	526.024m
Target Compounds							
1) T	Dalapon	2.671	2.684	2162.8E6	2187.2E6	374.144	776.247m#
2) T	3,5-DICHL...	6.452	6.696	2584.7E6	660.3E6	484.630	432.967
5) T	DICAMBA	7.469	7.940	7318.8E6	3014.0E6	469.250	463.199
6) T	MCP	7.645	8.035	400.1E6	76678664	44.758	40.713
7) T	MCPA	7.795	8.282	543.9E6	121.2E6	48.953	43.273
8) T	DICHLORPROP	8.176	8.658	1835.7E6	704.0E6	515.380	483.816
9) T	2,4-D	8.413	8.999	2008.2E6	959.4E6	586.221	583.196
10) T	Pentachlo...	8.708	9.509	27175.9E6	18010.0E6	511.847	453.760
11) T	2,4,5-TP ...	9.285	9.892	11620.6E6	7698.7E6	554.055	511.393
12) T	2,4,5-T	9.582	10.323	10347.9E6	6616.3E6	565.517	491.664
13) T	2,4-DB	10.158	10.890	1305.7E6	468.1E6	559.721	437.456m
14) T	DINOSEB	11.354	11.266	5905.5E6	3665.6E6	409.460	377.092
15) T	Picloram	11.184	12.388	8656.3E6	9764.4E6	480.611	412.291
16) T	DCPA	11.651	12.307	12770.8E6	11775.9E6	473.872	488.542

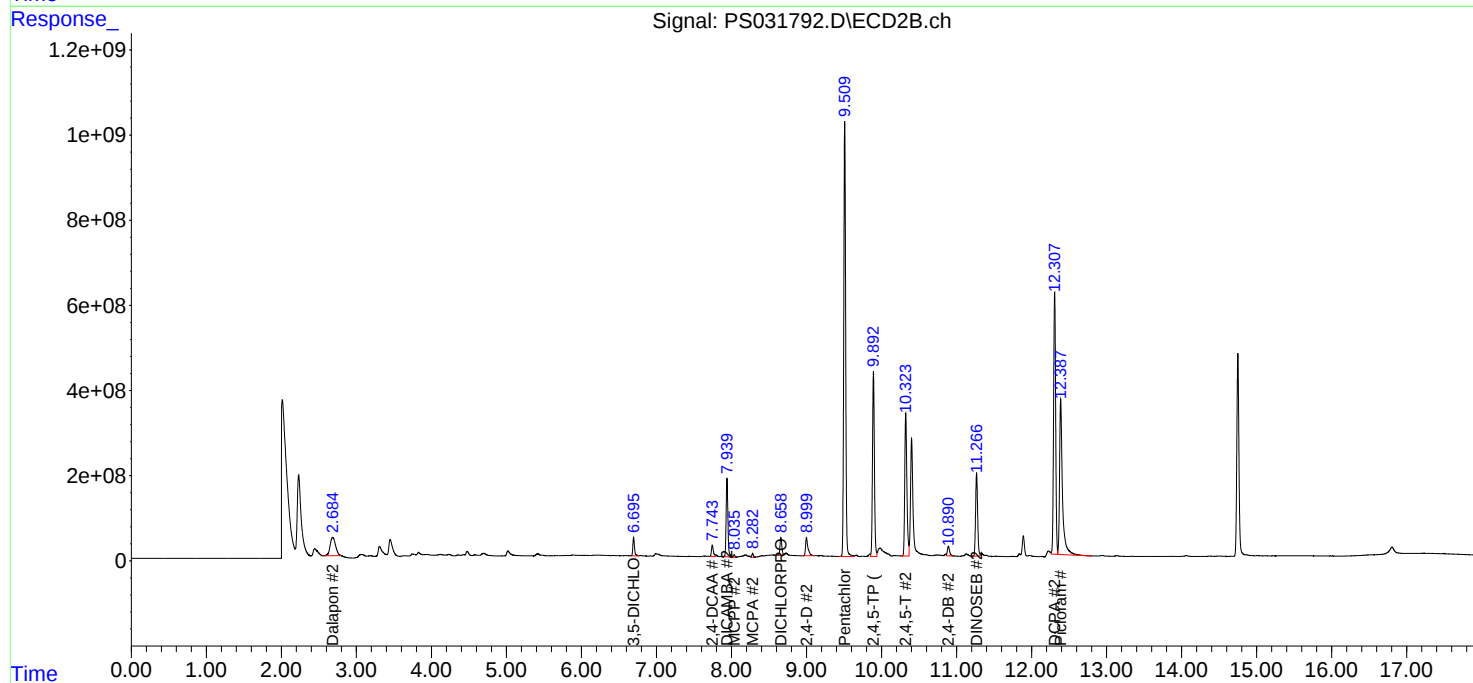
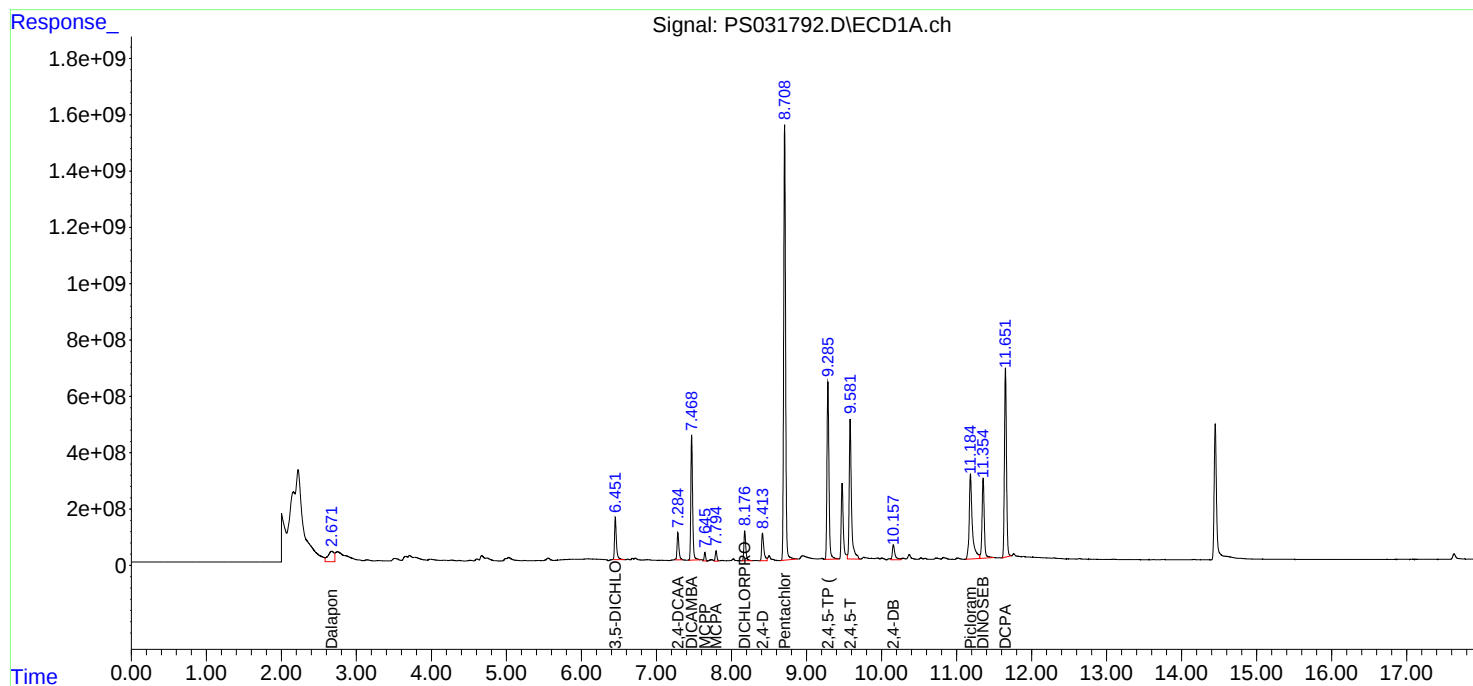
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS092225\
Data File : PS031792.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Sep 2025 20:41
Operator : AR\AJ
Sample : Q3092-02MSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
291376MSD

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 01:51:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS090925.M
Quant Title : 8080.M
QLast Update : Tue Sep 09 13:56:38 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:

Ps090925

Instrument

ECD_s

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
HSTDICC200	PS031668.D	4-Nitrophenol	Abdul	9/10/2025 8:42:03 AM	mohammad	9/11/2025 1:29:37	Peak Integrated by Software
HSTDICC200	PS031668.D	4-Nitrophenol #2	Abdul	9/10/2025 8:42:03 AM	mohammad	9/11/2025 1:29:37	Peak Integrated by Software
HSTDICC200	PS031668.D	MCPP	Abdul	9/10/2025 8:42:03 AM	mohammad	9/11/2025 1:29:37	Peak Integrated by Software
HSTDICC200	PS031668.D	MCPP #2	Abdul	9/10/2025 8:42:03 AM	mohammad	9/11/2025 1:29:37	Peak Integrated by Software
HSTDICC1000	PS031671.D	DCPA #2	Abdul	9/10/2025 8:41:35 AM	mohammad	9/11/2025 1:29:37	Peak Integrated by Software
HSTDICC1500	PS031672.D	4-Nitrophenol #2	Abdul	9/10/2025 8:41:39 AM	mohammad	9/11/2025 1:29:37	Peak Integrated by Software
HSTDICC1500	PS031672.D	DCPA #2	Abdul	9/10/2025 8:41:39 AM	mohammad	9/11/2025 1:29:37	Peak Integrated by Software
I.BLK	PS031682.D	2,4-DCAA #2	Abdul	9/10/2025 8:41:47 AM	mohammad	9/11/2025 1:29:37	Peak Integrated by Software

Manual Integration Report

Sequence:	PS092225	Instrument	ECD_s
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
I.BLK	PS031781.D	2,4-DCAA #2	Abdul	9/23/2025 8:39:08 AM	 	 	Peak Integrated by Software
HSTDCCC750	PS031782.D	4-Nitrophenol	Abdul	9/23/2025 8:39:12 AM	 	 	Peak Integrated by Software
PB169784BS	PS031786.D	2,4-D	Abdul	9/23/2025 1:00:49 PM	 	 	Peak Integrated by Software
Q3092-02MS	PS031791.D	2,4-DB #2	Abdul	9/23/2025 8:39:14 AM	 	 	Peak Integrated by Software
Q3092-02MS	PS031791.D	2,4-DCAA #2	Abdul	9/23/2025 8:39:14 AM	 	 	Peak Integrated by Software
Q3092-02MS	PS031791.D	Dalapon #2	Abdul	9/23/2025 8:39:14 AM	 	 	Peak Integrated by Software
Q3092-02MSD	PS031792.D	2,4-DB #2	Abdul	9/23/2025 8:39:17 AM	 	 	Peak Integrated by Software
Q3092-02MSD	PS031792.D	2,4-DCAA	Abdul	9/23/2025 8:39:17 AM	 	 	Peak Integrated by Software
Q3092-02MSD	PS031792.D	2,4-DCAA #2	Abdul	9/23/2025 8:39:17 AM	 	 	Peak Integrated by Software
Q3092-02MSD	PS031792.D	Dalapon #2	Abdul	9/23/2025 8:39:17 AM	 	 	Peak Integrated by Software
HSTDCCC750	PS031794.D	2,4-DB #2	Abdul	9/23/2025 8:39:20 AM	 	 	Peak Integrated by Software
HSTDCCC750	PS031794.D	4-Nitrophenol	Abdul	9/23/2025 8:39:20 AM	 	 	Peak Integrated by Software
HSTDCCC750	PS031806.D	2,4-DB	Abdul	9/23/2025 8:39:50 AM	 	 	Peak Integrated by Software

Manual Integration Report

Sequence:

PS092225

Instrument

ECD_s

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
HSTDCCC750	PS031806.D	2,4-DCAA	Abdul	9/23/2025 8:39:50 AM	 	 	Peak Integrated by Software
HSTDCCC750	PS031806.D	4-Nitrophenol	Abdul	9/23/2025 8:39:50 AM	 	 	Peak Integrated by Software
HSTDCCC750	PS031813.D	2,4-DB	Abdul	9/23/2025 8:40:01 AM	 	 	Peak Integrated by Software
HSTDCCC750	PS031813.D	2,4-DB #2	Abdul	9/23/2025 8:40:01 AM	 	 	Peak Integrated by Software
HSTDCCC750	PS031813.D	4-Nitrophenol	Abdul	9/23/2025 8:40:01 AM	 	 	Peak Integrated by Software

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS090925

Review By	Abdul	Review On	9/10/2025 8:43:49 AM
Supervise By	mohammad	Supervise On	9/11/2025 1:29:37 AM
SubDirectory	PS090925	HP Acquire Method	HP Processing Method ps090925 8151
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24553,PP24556,PP24557,PP24558,PP24559,PP24560,PP24921		
CCC Internal Standard/PEM	PP24559		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24923		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PS031666.D	09 Sep 2025 10:44	AR\AJ	Ok
2	I.BLK	PS031667.D	09 Sep 2025 11:08	AR\AJ	Ok
3	HSTDICC200	PS031668.D	09 Sep 2025 11:32	AR\AJ	Ok,M
4	HSTDICC500	PS031669.D	09 Sep 2025 11:56	AR\AJ	Ok
5	HSTDICC750	PS031670.D	09 Sep 2025 12:20	AR\AJ	Ok
6	HSTDICC1000	PS031671.D	09 Sep 2025 12:44	AR\AJ	Ok,M
7	HSTDICC1500	PS031672.D	09 Sep 2025 13:08	AR\AJ	Ok,M
8	HSTDICV750	PS031673.D	09 Sep 2025 13:32	AR\AJ	Ok
9	I.BLK	PS031674.D	09 Sep 2025 13:57	AR\AJ	Ok
10	HSTDCCC750	PS031675.D	09 Sep 2025 14:21	AR\AJ	Ok
11	PB169584BL	PS031676.D	09 Sep 2025 14:45	AR\AJ	Ok
12	Q3015-17	PS031677.D	09 Sep 2025 15:09	AR\AJ	Not Ok
13	PB169584BS	PS031678.D	09 Sep 2025 15:33	AR\AJ	Ok
14	PB169584BSD	PS031679.D	09 Sep 2025 15:57	AR\AJ	Ok
15	PB169590BL	PS031680.D	09 Sep 2025 16:22	AR\AJ	Ok
16	PB169590BS	PS031681.D	09 Sep 2025 16:46	AR\AJ	Ok
17	I.BLK	PS031682.D	09 Sep 2025 17:10	AR\AJ	Ok,M
18	HSTDCCC750	PS031683.D	09 Sep 2025 17:34	AR\AJ	Ok

M : Manual Integration

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS092225

Review By	Abdul	Review On	9/23/2025 8:45:16 AM
Supervise By		Supervise On	
SubDirectory	PS092225	HP Acquire Method	HP Processing Method ps090925 8151
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24553,PP24556,PP24557,PP24558,PP24559,PP24560,PP24921		
CCC Internal Standard/PEM	PP24559		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24923		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PS031780.D	22 Sep 2025 10:03	AR\AJ	Ok
2	I.BLK	PS031781.D	22 Sep 2025 10:27	AR\AJ	Ok,NS
3	HSTDCCC750	PS031782.D	22 Sep 2025 10:51	AR\AJ	Ok,NS
4	Q3153-04	PS031783.D	22 Sep 2025 17:04	AR\AJ	Ok
5	Q3153-08	PS031784.D	22 Sep 2025 17:28	AR\AJ	Ok
6	PB169784BL	PS031785.D	22 Sep 2025 17:52	AR\AJ	Ok
7	PB169784BS	PS031786.D	22 Sep 2025 18:16	AR\AJ	Ok,NS
8	PB169677TB	PS031787.D	22 Sep 2025 18:40	AR\AJ	Ok
9	PB169754TB	PS031788.D	22 Sep 2025 19:04	AR\AJ	Ok
10	Q3065-04	PS031789.D	22 Sep 2025 19:28	AR\AJ	Ok
11	Q3092-02	PS031790.D	22 Sep 2025 19:53	AR\AJ	Ok
12	Q3092-02MS	PS031791.D	22 Sep 2025 20:17	AR\AJ	Ok,NS
13	Q3092-02MSD	PS031792.D	22 Sep 2025 20:41	AR\AJ	Ok,NS
14	I.BLK	PS031793.D	22 Sep 2025 21:05	AR\AJ	Ok
15	HSTDCCC750	PS031794.D	22 Sep 2025 21:53	AR\AJ	Ok,NS
16	Q3092-04	PS031795.D	22 Sep 2025 22:18	AR\AJ	Ok
17	Q3157-02	PS031796.D	22 Sep 2025 22:42	AR\AJ	Ok
18	PB169770BL	PS031797.D	22 Sep 2025 23:06	AR\AJ	Ok
19	PB169770BS	PS031798.D	22 Sep 2025 23:30	AR\AJ	Ok
20	Q3133-01	PS031799.D	22 Sep 2025 23:54	AR\AJ	Ok,NS
21	Q3133-03	PS031800.D	23 Sep 2025 00:18	AR\AJ	ReRun

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS092225

Review By	Abdul	Review On	9/23/2025 8:45:16 AM
Supervise By		Supervise On	
SubDirectory	PS092225	HP Acquire Method	HP Processing Method ps090925 8151
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24553,PP24556,PP24557,PP24558,PP24559,PP24560,PP24921		
CCC Internal Standard/PEM	PP24559		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24923		

22	Q3133-05	PS031801.D	23 Sep 2025 00:42	AR\AJ	Ok,NS
23	Q3133-07	PS031802.D	23 Sep 2025 01:06	AR\AJ	Ok,NS
24	Q3133-07MS	PS031803.D	23 Sep 2025 01:29	AR\AJ	Ok,NS
25	Q3133-07MSD	PS031804.D	23 Sep 2025 01:54	AR\AJ	Ok,NS
26	I.BLK	PS031805.D	23 Sep 2025 02:18	AR\AJ	Ok
27	HSTDCCC750	PS031806.D	23 Sep 2025 02:42	AR\AJ	Ok,NS
28	PB169764BL	PS031807.D	23 Sep 2025 03:30	AR\AJ	Ok
29	PB169764BS	PS031808.D	23 Sep 2025 03:54	AR\AJ	Ok,NS
30	PB169764BSD	PS031809.D	23 Sep 2025 04:18	AR\AJ	Ok
31	Q3135-01	PS031810.D	23 Sep 2025 04:42	AR\AJ	Ok
32	Q3151-02	PS031811.D	23 Sep 2025 05:07	AR\AJ	Ok
33	I.BLK	PS031812.D	23 Sep 2025 05:31	AR\AJ	Ok
34	HSTDCCC750	PS031813.D	23 Sep 2025 06:19	AR\AJ	Ok,NS

M : Manual Integration

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS090925

Review By	Abdul	Review On	9/10/2025 8:43:49 AM
Supervise By	mohammad	Supervise On	9/11/2025 1:29:37 AM
SubDirectory	PS090925	HP Acquire Method	HP Processing Method ps090925 8151

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	PP24553,PP24556,PP24557,PP24558,PP24559,PP24560,PP24921
CCC	PP24559
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	PS031666.D	09 Sep 2025 10:44		AR\AJ	Ok
2	I.BLK	I.BLK	PS031667.D	09 Sep 2025 11:08		AR\AJ	Ok
3	HSTDICC200	HSTDICC200	PS031668.D	09 Sep 2025 11:32		AR\AJ	Ok,M
4	HSTDICC500	HSTDICC500	PS031669.D	09 Sep 2025 11:56		AR\AJ	Ok
5	HSTDICC750	HSTDICC750	PS031670.D	09 Sep 2025 12:20		AR\AJ	Ok
6	HSTDICC1000	HSTDICC1000	PS031671.D	09 Sep 2025 12:44		AR\AJ	Ok,M
7	HSTDICC1500	HSTDICC1500	PS031672.D	09 Sep 2025 13:08		AR\AJ	Ok,M
8	HSTDICV750	ICVPS090925	PS031673.D	09 Sep 2025 13:32		AR\AJ	Ok
9	I.BLK	I.BLK	PS031674.D	09 Sep 2025 13:57		AR\AJ	Ok
10	HSTDCCC750	HSTDCCC750	PS031675.D	09 Sep 2025 14:21		AR\AJ	Ok
11	PB169584BL	PB169584BL	PS031676.D	09 Sep 2025 14:45		AR\AJ	Ok
12	Q3015-17	WP0925-PT-HERB-WP	PS031677.D	09 Sep 2025 15:09	Comp # 6 & 7 not detected	AR\AJ	Not Ok
13	PB169584BS	PB169584BS	PS031678.D	09 Sep 2025 15:33		AR\AJ	Ok
14	PB169584BSD	PB169584BSD	PS031679.D	09 Sep 2025 15:57		AR\AJ	Ok
15	PB169590BL	PB169590BL	PS031680.D	09 Sep 2025 16:22		AR\AJ	Ok
16	PB169590BS	PB169590BS	PS031681.D	09 Sep 2025 16:46		AR\AJ	Ok
17	I.BLK	I.BLK	PS031682.D	09 Sep 2025 17:10		AR\AJ	Ok,M
18	HSTDCCC750	HSTDCCC750	PS031683.D	09 Sep 2025 17:34		AR\AJ	Ok

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS090925

Review By	Abdul	Review On	9/10/2025 8:43:49 AM
Supervise By	mohammad	Supervise On	9/11/2025 1:29:37 AM
SubDirectory	PS090925	HP Acquire Method	HP Processing Method ps090925 8151
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24553,PP24556,PP24557,PP24558,PP24559,PP24560,PP24921		
CCC Internal Standard/PEM	PP24559		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24923		

M : Manual Integration

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS092225

Review By	Abdul	Review On	9/23/2025 8:45:16 AM
Supervise By		Supervise On	
SubDirectory	PS092225	HP Acquire Method	HP Processing Method ps090925 8151

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	PP24553,PP24556,PP24557,PP24558,PP24559,PP24560,PP24921
CCC	PP24559
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	PS031780.D	22 Sep 2025 10:03		AR\AJ	Ok
2	I.BLK	I.BLK	PS031781.D	22 Sep 2025 10:27		AR\AJ	Ok,NS
3	HSTDCCC750	HSTDCCC750	PS031782.D	22 Sep 2025 10:51		AR\AJ	Ok,NS
4	Q3153-04	OR-500-COMP-39	PS031783.D	22 Sep 2025 17:04		AR\AJ	Ok
5	Q3153-08	OR-500-COMP-40	PS031784.D	22 Sep 2025 17:28		AR\AJ	Ok
6	PB169784BL	PB169784BL	PS031785.D	22 Sep 2025 17:52		AR\AJ	Ok
7	PB169784BS	PB169784BS	PS031786.D	22 Sep 2025 18:16		AR\AJ	Ok,NS
8	PB169677TB	PB169677TB	PS031787.D	22 Sep 2025 18:40		AR\AJ	Ok
9	PB169754TB	PB169754TB	PS031788.D	22 Sep 2025 19:04		AR\AJ	Ok
10	Q3065-04	VNJ-204	PS031789.D	22 Sep 2025 19:28		AR\AJ	Ok
11	Q3092-02	291376	PS031790.D	22 Sep 2025 19:53		AR\AJ	Ok
12	Q3092-02MS	291376MS	PS031791.D	22 Sep 2025 20:17		AR\AJ	Ok,NS
13	Q3092-02MSD	291376MSD	PS031792.D	22 Sep 2025 20:41		AR\AJ	Ok,NS
14	I.BLK	I.BLK	PS031793.D	22 Sep 2025 21:05		AR\AJ	Ok
15	HSTDCCC750	HSTDCCC750	PS031794.D	22 Sep 2025 21:53		AR\AJ	Ok,NS
16	Q3092-04	279182	PS031795.D	22 Sep 2025 22:18		AR\AJ	Ok
17	Q3157-02	20-DEAD-1	PS031796.D	22 Sep 2025 22:42		AR\AJ	Ok
18	PB169770BL	PB169770BL	PS031797.D	22 Sep 2025 23:06		AR\AJ	Ok

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS092225

Review By	Abdul	Review On	9/23/2025 8:45:16 AM
Supervise By		Supervise On	
SubDirectory	PS092225	HP Acquire Method	HP Processing Method ps090925 8151
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24553,PP24556,PP24557,PP24558,PP24559,PP24560,PP24921		
CCC	PP24559		
Internal Standard/PEM			
ICV/I.BLK	PP24923		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

19	PB169770BS	PB169770BS	PS031798.D	22 Sep 2025 23:30		AR\AJ	Ok
20	Q3133-01	VNJ-238	PS031799.D	22 Sep 2025 23:54		AR\AJ	Ok,NS
21	Q3133-03	VNJ-222	PS031800.D	23 Sep 2025 00:18	surrogate fail	AR\AJ	ReRun
22	Q3133-05	361	PS031801.D	23 Sep 2025 00:42		AR\AJ	Ok,NS
23	Q3133-07	VNJ-210	PS031802.D	23 Sep 2025 01:06		AR\AJ	Ok,NS
24	Q3133-07MS	VNJ-210MS	PS031803.D	23 Sep 2025 01:29	some comp recovery fail	AR\AJ	Ok,NS
25	Q3133-07MSD	VNJ-210MSD	PS031804.D	23 Sep 2025 01:54	some comp recovery fail	AR\AJ	Ok,NS
26	I.BLK	I.BLK	PS031805.D	23 Sep 2025 02:18		AR\AJ	Ok
27	HSTDCCC750	HSTDCCC750	PS031806.D	23 Sep 2025 02:42		AR\AJ	Ok,NS
28	PB169764BL	PB169764BL	PS031807.D	23 Sep 2025 03:30		AR\AJ	Ok
29	PB169764BS	PB169764BS	PS031808.D	23 Sep 2025 03:54		AR\AJ	Ok,NS
30	PB169764BSD	PB169764BSD	PS031809.D	23 Sep 2025 04:18		AR\AJ	Ok
31	Q3135-01	MH-121	PS031810.D	23 Sep 2025 04:42		AR\AJ	Ok
32	Q3151-02	1402	PS031811.D	23 Sep 2025 05:07		AR\AJ	Ok
33	I.BLK	I.BLK	PS031812.D	23 Sep 2025 05:31		AR\AJ	Ok
34	HSTDCCC750	HSTDCCC750	PS031813.D	23 Sep 2025 06:19		AR\AJ	Ok,NS

M : Manual Integration

SOP ID :	M1311-TCLP-16	
SDG No :	N/A	Start Prep Date : 09/12/2025 Time : 17:00
Weigh By :	JP	End Prep Date : 09/13/2025 Time : 10:40
Balance ID :	WC SC-7	Combination Ratio : 20
pH Meter ID :	WC PH METER-1	ZHE Cleaning Batch : N/A ⁷⁸
Extraction By :	JP	Initial Room Temperature: 24 °C
Filter By :	JP	Final Room Temperature: 22 °C
Pipette ID :	WC	TCLP Technician Signature : ^{JP}
Tumbler ID :	T-1 / T-2	Supervisor By : ¹²
TCLP Filter ID :	40819719	

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
HCL-TCLP,1N	N/A	WP114527
HNO3-TCLP,1N	N/A	WP114528
pH Strips	N/A	W1931,W1934,W3171,W3172
pH Strips	W1940,W1941,W1942	W3166,W1938,W1939,
1 Liter Amber	N/A	90924-08
120ml Plastic bottle	N/A	2738
1:1 HNO3	N/A	MP86978

Extraction Conformance/Non-Conformance Comments:

Matrix spikes are added after filtration and before preservation. TUMBLER T-1 / T-2 checked,30 rpm. Q3092-04 IS USED FOR MS-MSD.

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
09/15/25 10:00	^{JP} 100 Room	^{SKS.} RJ/EXT
	Preparation Group	Analysis Group ^{met my}

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
PB169677TB	LEB677	11	N/A	2000	N/A	N/A	N/A	4.94	1.5	T-2
Q3082-02	WC-29	01	100.03	2000	N/A	N/A	N/A	4.0	1.0	T-1
Q3082-04	WC-30	02	100.02	2000	N/A	N/A	N/A	5.5	1.5	T-1
Q3082-06	WC-31	03	100.03	2000	N/A	N/A	N/A	5.6	1.5	T-1
Q3082-08	WC-32	04	100.04	2000	N/A	N/A	N/A	6.2	1.0	T-1
Q3082-10	WC-33	05	100.02	2000	N/A	N/A	N/A	6.0	1.0	T-1
Q3085-01	PAULDING-WC1	06	100.02	2000	N/A	N/A	N/A	7.6	1.5	T-1
Q3091-07	12/9C-COMP	07	100.03	2000	N/A	N/A	N/A	3.0	1.0	T-1
Q3091-14	12/9B-COMP	08	100.02	2000	N/A	N/A	N/A	3.5	1.5	T-1
Q3092-02	291376	09	100.03	2000	N/A	N/A	N/A	4.5	1.0	T-1
Q3092-04	279182	10	100.02	2000	N/A	N/A	N/A	5.0	1.5	T-1

SampleID	ClientID	Sample Weight (g)	Filter Weight (g)	Filtrate (mL)	Filter + Solid (After 100°C)	% solids	% Dry Solids
PB169677TB	LEB677	N/A	N/A	N/A	N/A	N/A	N/A
Q3082-02	WC-29	N/A	N/A	N/A	N/A	100	N/A
Q3082-04	WC-30	N/A	N/A	N/A	N/A	100	N/A
Q3082-06	WC-31	N/A	N/A	N/A	N/A	100	N/A
Q3082-08	WC-32	N/A	N/A	N/A	N/A	100	N/A
Q3082-10	WC-33	N/A	N/A	N/A	N/A	100	N/A
Q3085-01	PAULDING-WC1	N/A	N/A	N/A	N/A	100	N/A
Q3091-07	12/9C-COMP	N/A	N/A	N/A	N/A	100	N/A
Q3091-14	12/9B-COMP	N/A	N/A	N/A	N/A	100	N/A
Q3092-02	291376	N/A	N/A	N/A	N/A	100	N/A
Q3092-04	279182	N/A	N/A	N/A	N/A	100	N/A

Hot Block ID : WC S-1 / WC S-2
Thermometer ID : FLASHPOINT

SampleID	ClientID	Sample Weight (g)	Volume DI Water (mL)	PH after 5 min stir	PH after 10 min stir	Extraction Fluid 1 or 2	pH Extraction Fluid
PB169677TB	LEB677	N/A	N/A	N/A	N/A	#1	4.94
Q3082-02	WC-29	5.02	96.5	7.0	2.5	#1	4.94
Q3082-04	WC-30	5.03	96.5	7.2	2.0	#1	4.94
Q3082-06	WC-31	5.03	96.5	7.2	2.5	#1	4.94
Q3082-08	WC-32	5.02	96.5	8.6	3.5	#1	4.94
Q3082-10	WC-33	5.01	96.5	8.4	3.0	#1	4.94
Q3085-01	PAULDING-WC1	5.02	96.5	9.1	3.5	#1	4.94
Q3091-07	12/9C-COMP	5.03	96.5	5.6	1.5	#1	4.94
Q3091-14	12/9B-COMP	5.02	96.5	5.8	1.5	#1	4.94
Q3092-02	291376	5.01	96.5	6.6	2.0	#1	4.94
Q3092-04	279182	5.02	96.5	7.0	2.5	#1	4.94

WORKLIST(Hardcopy Internal Chain)

WorkList Name : tclp q3081 WorkList ID : 191840 Department : TCLP Extraction Date : 09-12-2025 09:16:35

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3082-02	WC-29	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	D31	09/11/2025	1311
Q3082-04	WC-30	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	D31	09/11/2025	1311
Q3082-06	WC-31	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	D31	09/11/2025	1311
Q3082-08	WC-32	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	D31	09/11/2025	1311
Q3082-10	WC-33	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	D31	09/11/2025	1311
Q3085-01	PAULDING-WC1	Solid	TCLP Extraction	Cool 4 deg C	CORE02	D31	08/29/2025	1311
Q3091-07	12/9C-COMP	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	D31	09/12/2025	1311
Q3091-14	12/9B-COMP	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	D31	09/12/2025	1311
Q3092-02	291376	Solid	TCLP Extraction	Cool 4 deg C	ATLA10	D41	09/12/2025	1311
Q3092-04	279182	Solid	TCLP Extraction	Cool 4 deg C	ATLA10	D41	09/12/2025	1311

Date/Time 09.12.25 14:10
Raw Sample Received by: JG WOC
Raw Sample Relinquished by: JG WOC

Date/Time 09.12.25 14:10
Raw Sample Received by: JG WOC
Raw Sample Relinquished by: JG WOC

SOP ID: M8151A-Herbicide-23

Clean Up SOP #: N/A

Matrix : Water

Weigh By: N/A

Balance check: N/A

Balance ID: N/A

pH Strip Lot#: E3953

Extraction By: RJ

Filter By: RJ

pH Meter ID: N/A

Hood ID: 4,7

Extraction Start Date : 09/22/2025

Extraction Start Time : 10:20

Extraction End Date : 09/22/2025

Extraction End Time : 16:30

Concentration By: EH

Supervisor By : ritesh

Extraction Method: ☒ Separatory Funnel ☐ Continous 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	PP24916
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	EP2633
NAOH 6N	N/A	EP2606
12N H2SO4	N/A	EP2605
NACL	N/A	M4459
ISO OCTANE	N/A	E3554
Diazomethane	N/A	EP2637
Hexane	N/A	E3971
METHANOL	N/A	V14622
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 6N NaOH>12 prior to Hydrolysis, PH adjusted with cold 12N H2SO4<2 after Hydrolysis, Derivatization procedure is completed and samples are ready to Analyze, 40ml Vial Lot # 03-40BTS721.

KD Bath ID: N/A

Envap ID: NEVAP-02

KD Bath Temperature: N/A

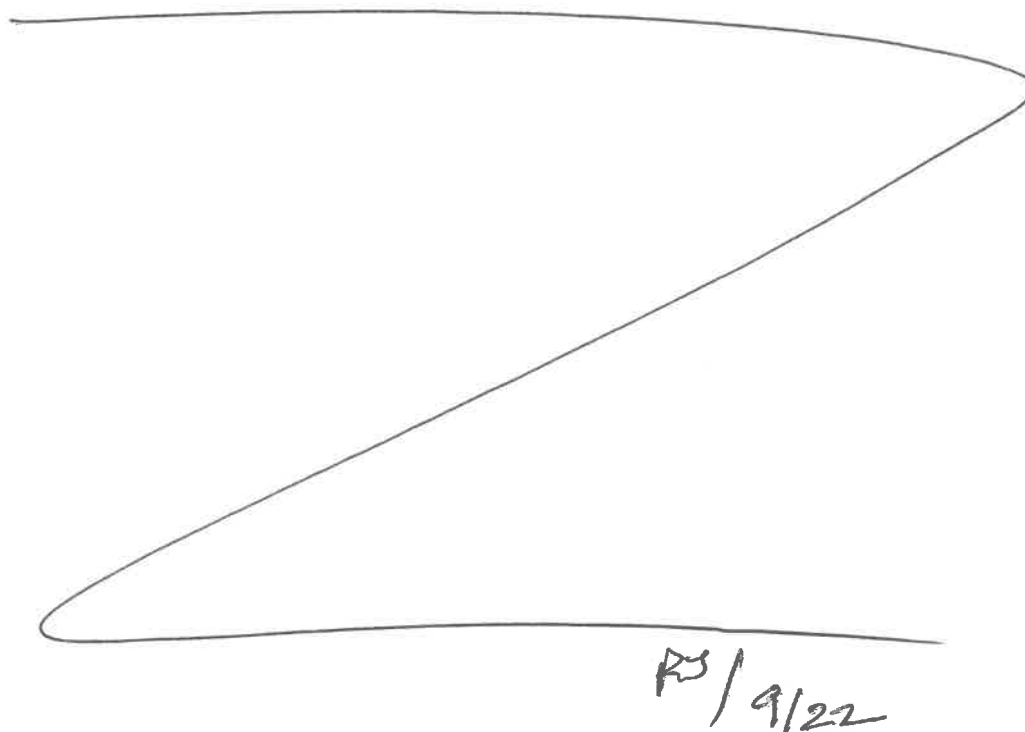
Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
9/22/25 16:35	RJ (Lab)	RJ (Lab)
	Preparation Group	Analysis Group

Analytical Method: M8151A-Herbicide-23

Concentration Date: 09/22/2025

Sample ID	Client Sample ID	Test	g / ml	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB169677TB	PB169677TB	TCLP Herbicide	100	6	ritesh	Evelyn	10			SEP-8
PB169754TB	PB169754TB	TCLP Herbicide	100	6	ritesh	Evelyn	10			9
PB169784BL	HBLK784	TCLP Herbicide	1000	6	ritesh	Evelyn	10			10
PB169784BS	HLCS784	TCLP Herbicide	1000	6	ritesh	Evelyn	10			11
Q3065-04	VNJ-204	TCLP Herbicide	100	6	ritesh	Evelyn	10	A		12
Q3092-02	291376	TCLP Herbicide	100	6	ritesh	Evelyn	10	A		13
Q3092-02MS	291376MS	TCLP Herbicide	100	6	ritesh	Evelyn	10	A		14
Q3092-02MS D	291376MSD	TCLP Herbicide	100	6	ritesh	Evelyn	10	A		15
Q3092-04	279182	TCLP Herbicide	100	6	ritesh	Evelyn	10	A		16
Q3153-04	OR-500-COMP-39	TCLP Herbicide	100	6	ritesh	Evelyn	10	A		17
Q3153-08	OR-500-COMP-40	TCLP Herbicide	100	6	ritesh	Evelyn	10	A		18
Q3157-02	20-DEAD-1	TCLP Herbicide	100	6	ritesh	Evelyn	10	A		19



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
PB169677TB	LEB677	11	N/A	2000	N/A	N/A	N/A	4.94	1.5	T-2
Q3082-02	WC-29	01	100.03	2000	N/A	N/A	N/A	4.0	1.0	T-1
Q3082-04	WC-30	02	100.02	2000	N/A	N/A	N/A	5.5	1.5	T-1
Q3082-06	WC-31	03	100.03	2000	N/A	N/A	N/A	5.6	1.5	T-1
Q3082-08	WC-32	04	100.04	2000	N/A	N/A	N/A	6.2	1.0	T-1
Q3082-10	WC-33	05	100.02	2000	N/A	N/A	N/A	6.0	1.0	T-1
Q3085-01	PAULDING-WC1	06	100.02	2000	N/A	N/A	N/A	7.6	1.5	T-1
Q3091-07	12/9C-COMP	07	100.03	2000	N/A	N/A	N/A	3.0	1.0	T-1
Q3091-14	12/9B-COMP	08	100.02	2000	N/A	N/A	N/A	3.5	1.5	T-1
Q3092-02	291376	09	100.03	2000	N/A	N/A	N/A	4.5	1.0	T-1
Q3092-04	279182	10	100.02	2000	N/A	N/A	N/A	5.0	1.5	T-1

09/11/25
10:00

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
PB169754TB	LEB754	17	N/A	2000	N/A	N/A	N/A	4.94	1.0	T-2
Q3065-04	VNJ-204	01	100.02	2000	N/A	N/A	N/A	4.0	1.5	T-1
Q3133-02	VNJ-238	02	100.02	2000	N/A	N/A	N/A	5.0	1.0	T-1
Q3133-04	VNJ-222	03	100.03	2000	N/A	N/A	N/A	5.5	1.5	T-1
Q3133-06	361	04	100.02	2000	N/A	N/A	N/A	5.0	1.0	T-1
Q3133-08	VNJ-210	05	100.03	2000	N/A	N/A	N/A	5.5	1.5	T-1
Q3136-01	34922	06	100.02	2000	N/A	N/A	N/A	3.0	1.0	T-1
Q3136-02	34923	07	100.03	2000	N/A	N/A	N/A	3.5	1.5	T-1
Q3136-03	34924	08	100.02	2000	N/A	N/A	N/A	3.5	1.0	T-1
Q3136-04	34925	09	100.01	2000	N/A	N/A	N/A	4.0	1.5	T-1
Q3136-05	34926	10	100.02	2000	N/A	N/A	N/A	3.5	1.0	T-1
Q3138-08	MOO-25-0239-0241	11	100.03	2000	N/A	N/A	N/A	4.0	1.5	T-2
Q3150-01	MER Rd Con Ed	12	100.02	2000	N/A	N/A	N/A	7.2	1.0	T-2
Q3150-03	Mid Site Grid 5-7	13	100.03	2000	N/A	N/A	N/A	6.2	1.5	T-2
Q3153-04	OR-500-COMP-39	14	100.02	2000	N/A	N/A	N/A	5.8	1.0	T-2
Q3153-08	OR-500-COMP-40	15	100.02	2000	N/A	N/A	N/A	5.6	1.5	T-2
Q3157-02	20-DEAD-1	16	100.02	2000	N/A	N/A	N/A	6.0	1.0	T-2

09/19/25
10:00



SHIPPING DOCUMENTS

CLIENT INFORMATION

COMPANY: **PGW / ATLANTIC**
ADDRESS: **3100 E. Venango**
CITY: **Philadelphia** STATE: **PA** ZIP:
ATTENTION: **Kenny Pyle**
PHONE: FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: **Atlantic Recovery Services**
PROJECT NO.: LOCATION:
PROJECT MANAGER: **Kenny Pyle**
e-mail:
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: PO#:
ADDRESS:
CITY STATE: ZIP:
ATTENTION: PHONE:

ANALYSIS

DATA TURNAROUND INFORMATION

FAX (RUSH) DAYS*
HARDCOPY (DATA PACKAGE): DAYS*
EDD: 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. **TCLP VOA**
2. **TCLP ZHE Extra**
3. **TCLP BNA**
4. **TCLP Herbicide**
5. **TCLP ICP Metals**
6. **TCLP Mercury**
7. **TCLP Pesticide**
8.
9.

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	← Specify Preservatives A-HCl D-NaOH B-HNO3 E-ICE C-H2SO4 F-OTHER	
1.	291376	Soil		X	9-12-25	1111	2	X									0.2ppm	
2.	291376		X			1122	4		X	X	X	X	X	X				
3.	279182			X		1131	2	X									0.0ppm	
4.	279182		X			1143	4		X	X	X	X	X	X				
5.																		
6.																		
7.																		
8.																		
9.																		
10.																		

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

RELINQUISHED BY SAMPLER: 1. JT	DATE/TIME: 1200 9-12-25	RECEIVED BY: 1.	Conditions of bottles or coolers at receipt: ☒ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 3.7 °C
RELINQUISHED BY SAMPLER: 2.	DATE/TIME:	RECEIVED BY: 2.	Comments:
RELINQUISHED BY SAMPLER: 3. JT	DATE/TIME: 1340 9-12-25	RECEIVED BY: 3.	

Page ____ of ____

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete
☐ YES ☐ NO



Environmental Laboratory

www.chemtech.net | EMAIL: PM@chemtech.net

Project Name: Atlantic Recovery
Services: Chemtech

Service Order #:

Sampler Name: IT

Work Order #:

Client Project Coordinator & Phone: Kenny Pyle / Daniel DiBano

Labor WBS #:

Page #: 1 of 1

Facility/Site: PGW Venango Plant

Date: 9.12.25

Site Address: 3100 E. Venango

Arrive Time: 1100

Philadelphia PA.

Depart Time: 1200

Waste Stream (circle one): drum / oil-dr / soil pile / in-situ / linear construction / frac-tank

Sample Matrices (circle all that apply): Water / Soil / NAPL / Concrete / Wipe

Collection Depths: N/A

Temp (range): _____ °C PID Readings (range): 0.0-0.2 PPM N/A

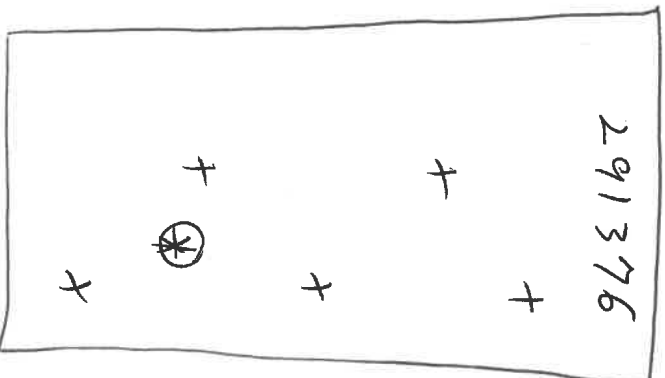
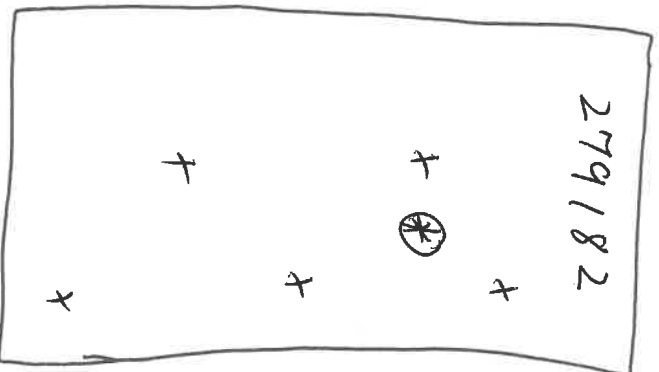
Sample Description: wet well silt

Odor: Y / N Color: Y Q

Field Observations: 2 Roll-offs

Grid/Area Composite Map:

QA Control # A3041134



PGW Venango Location

Sampler Signature: IT

Supervisor Review/Date: _____

Client Signature: _____

Date/Time Arrived at Lab: _____

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