

Cover Page

Order ID : Q2027

Project ID : NYC DOT Harper Street Yard North

Client : Scalamandre – Tully JV

Lab Sample Number

Q2027-03
Q2027-04

Client Sample Number

B27-SOIL-SAMPLE
B28-SOIL-SAMPLE

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: 5/22/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012



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

CASE NARRATIVE

Scalamandre – Tully JV

Project Name: NYC DOT Harper Street Yard North

Project # N/A

Order ID # Q2027

Test Name: TCLP Herbicide

A. Number of Samples and Date of Receipt:

2 Solid samples were received on 05/13/2025.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: Corrosivity, Ignitability, PCB, RCRA CHARACTERISTICS, Reactive Cyanide, Reactive Sulfide, TCLP BNA, TCLP Extraction, TCLP Herbicide, TCLP ICP Metals, TCLP Mercury, TCLP Pesticide, TCLP VOA, TCLP ZHE Extraction and TCLP-FULL. This data package contains results for TCLP Herbicide.

C. Analytical Techniques:

The analysis was performed on instrument ECD_S. The front column is RTX-CLPesticides which is 30 meters, 0.32 mm ID, 0.5 μ m df, Catalog # 11139. The rear column is RTX-CLPesticides2 which is 30 meters, 0.32 mm ID, 0.25 μ m df, Catalog #: 11324. The analysis of TCLP Herbicides was based on method 8151A and extraction was done based on method 3510 and TCLP extraction method was 1311.

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria.

The Retention Times were acceptable for all samples.

The MS recoveries met the requirements for all compounds .

The MSD recoveries met the acceptable requirements .

The RPD met criteria .

The Blank Spike met requirements for all samples .

The Blank analysis did not indicate the presence of lab contamination.

The Initial Calibration met the requirements .

The Continuous Calibration met the requirements .

E. Additional Comments:

F. Manual Integration Comments:

Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.



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Signature_____

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 #: Q2027

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 Castody

✓

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: PRADIP PRAJAPATI

Date: 05/22/2025

LAB CHRONICLE

OrderID:	Q2027	OrderDate:	5/13/2025 12:52:00 PM
Client:	Scalamandre – Tully JV	Project:	NYC DOT Harper Street Yard North
Contact:	Dean Devoe	Location:	L41

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2027-03	B27-SOIL-SAMPLE	SOIL			05/12/25			05/13/25
			PCB	8082A		05/14/25	05/15/25	
			TCLP Herbicide	8151A		05/19/25	05/19/25	
Q2027-04	B28-SOIL-SAMPLE	SOIL			05/12/25			05/13/25
			PCB	8082A		05/14/25	05/15/25	
			TCLP Herbicide	8151A		05/19/25	05/20/25	



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Hit Summary Sheet
SW-846

SDG No.: Q2027

Order ID: Q2027

Client: Scalamandre – Tully JV

Project ID: NYC DOT Harper Street Yard North

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.: Q2027

Client: Scalamandre – Tully JV

Analytical Method: 8151A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits	
								Low	High
I.BLK-PS030124.D	PIBLK-PS030124.D	2,4-DCAA	1	500	419	84		39	175
		2,4-DCAA	2	500	418	84		39	175
I.BLK-PS030287.D	PIBLK-PS030287.D	2,4-DCAA	1	500	463	93		39	175
		2,4-DCAA	2	500	462	92		39	175
PB168065BL	PB168065BL	2,4-DCAA	1	500	459	92		39	175
		2,4-DCAA	2	500	430	86		39	175
PB168065BS	PB168065BS	2,4-DCAA	1	500	548	110		39	175
		2,4-DCAA	2	500	535	107		39	175
PB167994TB	PB167994TB	2,4-DCAA	1	500	736	147		39	175
		2,4-DCAA	2	500	494	99		39	175
Q2027-03	B27-SOIL-SAMPLE	2,4-DCAA	1	500	516	103		39	175
		2,4-DCAA	2	500	491	98		39	175
Q2027-03MS	B27-SOIL-SAMPLEMS	2,4-DCAA	1	500	508	102		39	175
		2,4-DCAA	2	500	497	99		39	175
Q2027-03MSD	B27-SOIL-SAMPLEMSD	2,4-DCAA	1	500	510	102		39	175
		2,4-DCAA	2	500	496	99		39	175
Q2027-04	B28-SOIL-SAMPLE	2,4-DCAA	1	500	485	97		39	175
		2,4-DCAA	2	500	479	96		39	175
I.BLK-PS030299.D	PIBLK-PS030299.D	2,4-DCAA	1	500	469	94		39	175
		2,4-DCAA	2	500	463	93		39	175

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q2027</u>	Analytical Method:	<u>8151A</u>
Client:	<u>Scalamandre – Tully JV</u>	DataFile :	<u>PS030295.D</u>

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Client Sample ID: B27-SOIL-SAMPLEMS												
Q2027-03MS (Column 1)	2,4-D	50	0	56.4	ug/L	113				65	135	
	2,4,5-TP(Silvex)	50	0	52.7	ug/L	105				62	139	
Client Sample ID: B27-SOIL-SAMPLEMS												
Q2027-03MS (Column 2)	2,4-D	50	0	57.1	ug/L	114				65	135	
	2,4,5-TP(Silvex)	50	0	54.3	ug/L	109				62	139	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q2027</u>	Analytical Method:	<u>8151A</u>
Client:	<u>Scalamandre – Tully JV</u>	DataFile :	<u>PS030296.D</u>

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Client Sample ID: B27-SOIL-SAMPLEMSD												
Q2027-03MSD (Column 1)	2,4-D	50	0	56.5	ug/L	113		0		65	135	20
	2,4,5-TP(Silvex)	50	0	52.6	ug/L	105		0		62	139	20
Client Sample ID: B27-SOIL-SAMPLEMSD												
Q2027-03MSD (Column 2)	2,4-D	50	0	56.9	ug/L	114		0		65	135	20
	2,4,5-TP(Silvex)	50	0	53.9	ug/L	108		0		62	139	20



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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2027

Analytical Method: 8151A

Client: Scalamandre – Tully JV

Datafile : PS030292.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB168065BS (Column 1)	2,4-D	5	5.20	ug/L	104				83	130	
	2,4,5-TP(Silvex)	5	5.20	ug/L	104				78	127	
PB168065BS (Column 2)	2,4-D	5	5.10	ug/L	102				83	130	
	2,4,5-TP(Silvex)	5	5.20	ug/L	104				78	127	

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB168065BL

Lab Name: CHEMTECH

Contract: SCAL01

Lab Code: CHEM Case No.: Q2027

SAS No.: Q2027 SDG NO.: Q2027

Lab Sample ID: PB168065BL

Lab File ID: PS030291.D

Matrix: (soil/water) water

Extraction: (Type) SEPF

Sulfur Cleanup: (Y/N) N

Date Extracted: 05/19/2025

Date Analyzed (1): 05/19/2025

Date Analyzed (2): 05/19/2025

Time Analyzed (1): 22:38

Time Analyzed (2): 22:38

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
PB168065BS	PB168065BS	PS030292.D	05/19/2025	05/19/2025
PB167994TB	PB167994TB	PS030293.D	05/19/2025	05/19/2025
B27-SOIL-SAMPLE	Q2027-03	PS030294.D	05/19/2025	05/19/2025
B27-SOIL-SAMPLEMS	Q2027-03MS	PS030295.D	05/20/2025	05/20/2025
B27-SOIL-SAMPLEMSD	Q2027-03MSD	PS030296.D	05/20/2025	05/20/2025
B28-SOIL-SAMPLE	Q2027-04	PS030297.D	05/20/2025	05/20/2025

COMMENTS: _____



SAMPLE DATA

Report of Analysis

Client:	Scalamandre – Tully JV	Date Collected:	
Project:	NYC DOT Harper Street Yard North	Date Received:	05/19/25
Client Sample ID:	PB167994TB	SDG No.:	Q2027
Lab Sample ID:	PB167994TB	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
PS030293.D	1	05/19/25 09:15	05/19/25 23:26	PB168065

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	736		39 - 175	147%	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\PS051925\
 Data File : PS030293.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 May 2025 23:26
 Operator : AR\AJ
 Sample : PB167994TB
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 PB167994TB

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/20/2025
 Supervised By :mohammad ahmed 05/21/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 20 05:47:52 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
 Quant Title : 8080.M
 QLast Update : Mon May 12 14:29:24 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
4) S 2,4-DCAA	6.934	7.449	2097.1E6	395.0E6	736.385	493.590m#

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051925\
Data File : PS030293.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 23:26
Operator : AR\AJ
Sample : PB167994TB
Misc :
ALS Vial : 31 Sample Multiplier: 1

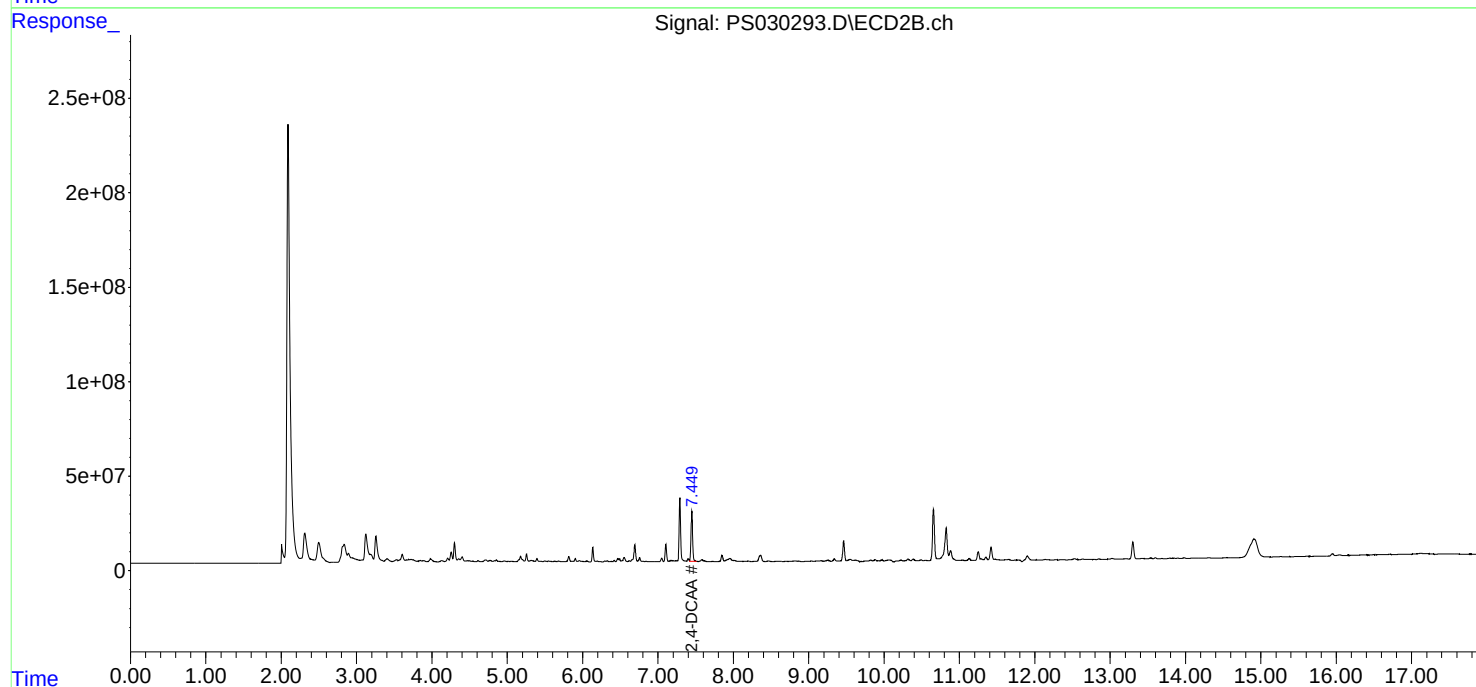
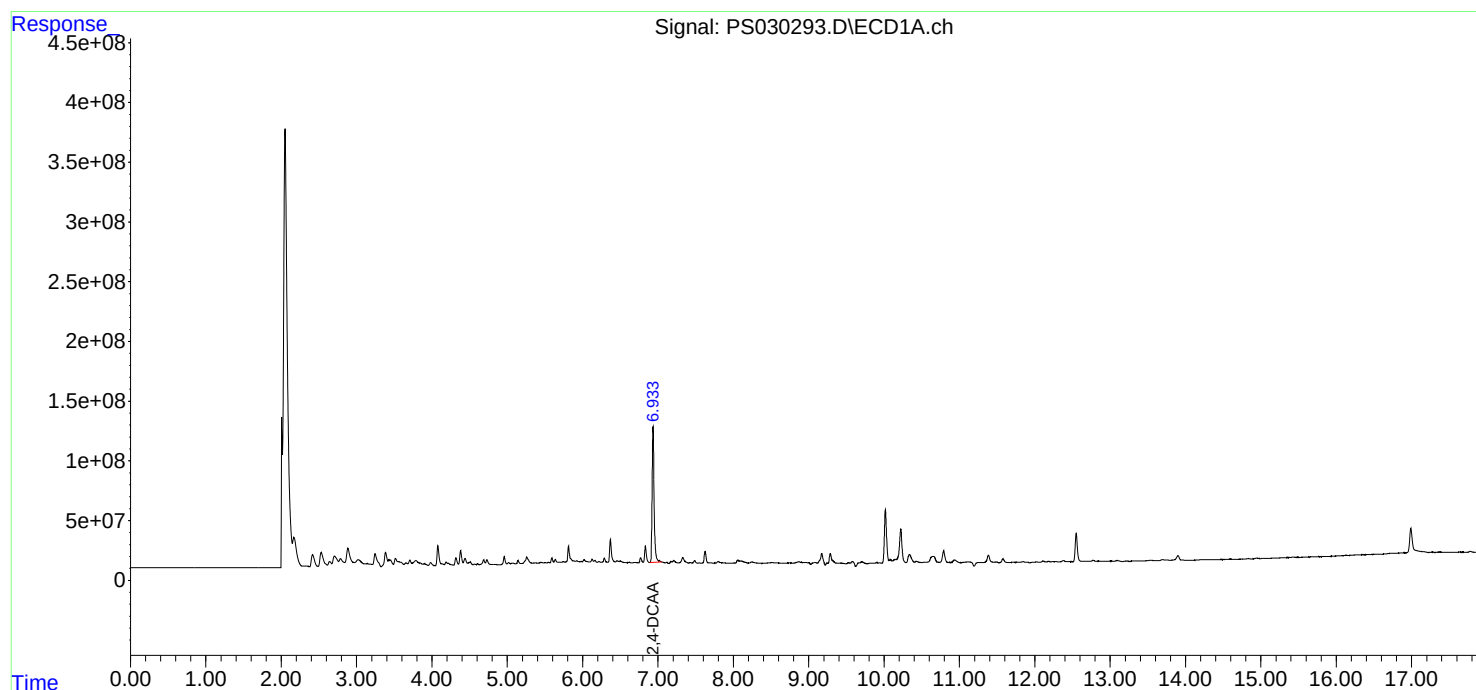
Instrument :
ECD_S
ClientSampleId :
PB167994TB

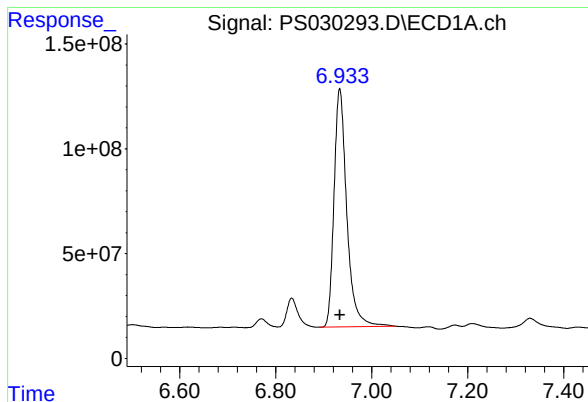
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 05/20/2025
Supervised By : mohammad ahmed 05/21/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 20 05:47:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
Quant Title : 8080.M
QLast Update : Mon May 12 14:29:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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





#4 2,4-DCAA

R.T.: 6.934 min

Delta R.T.: 0.000 min

Response: 2097083910

Conc: 736.39 ng/ml

Instrument :

ECD_S

ClientSampleId :

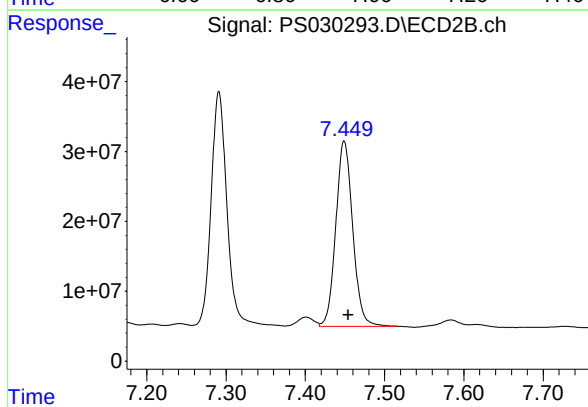
PB167994TB

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 05/20/2025

Supervised By :mohammad ahmed 05/21/2025



#4 2,4-DCAA

R.T.: 7.449 min

Delta R.T.: -0.005 min

Response: 394972687

Conc: 493.59 ng/ml m

Report of Analysis

Client:	Scalamandre – Tully JV	Date Collected:	05/12/25
Project:	NYC DOT Harper Street Yard North	Date Received:	05/13/25
Client Sample ID:	B27-SOIL-SAMPLE	SDG No.:	Q2027
Lab Sample ID:	Q2027-03	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
PS030294.D	1	05/19/25 09:15	05/19/25 23:50	PB168065

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	516		39 - 175	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\PS051925\
Data File : PS030294.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 23:50
Operator : AR\AJ
Sample : Q2027-03
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
B27-SOIL-SAMPLE

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 20 05:48:18 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
Quant Title : 8080.M
QLast Update : Mon May 12 14:29:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
4) S 2,4-DCAA	6.931	7.450	1469.5E6	392.6E6	516.027	490.666

Target Compounds

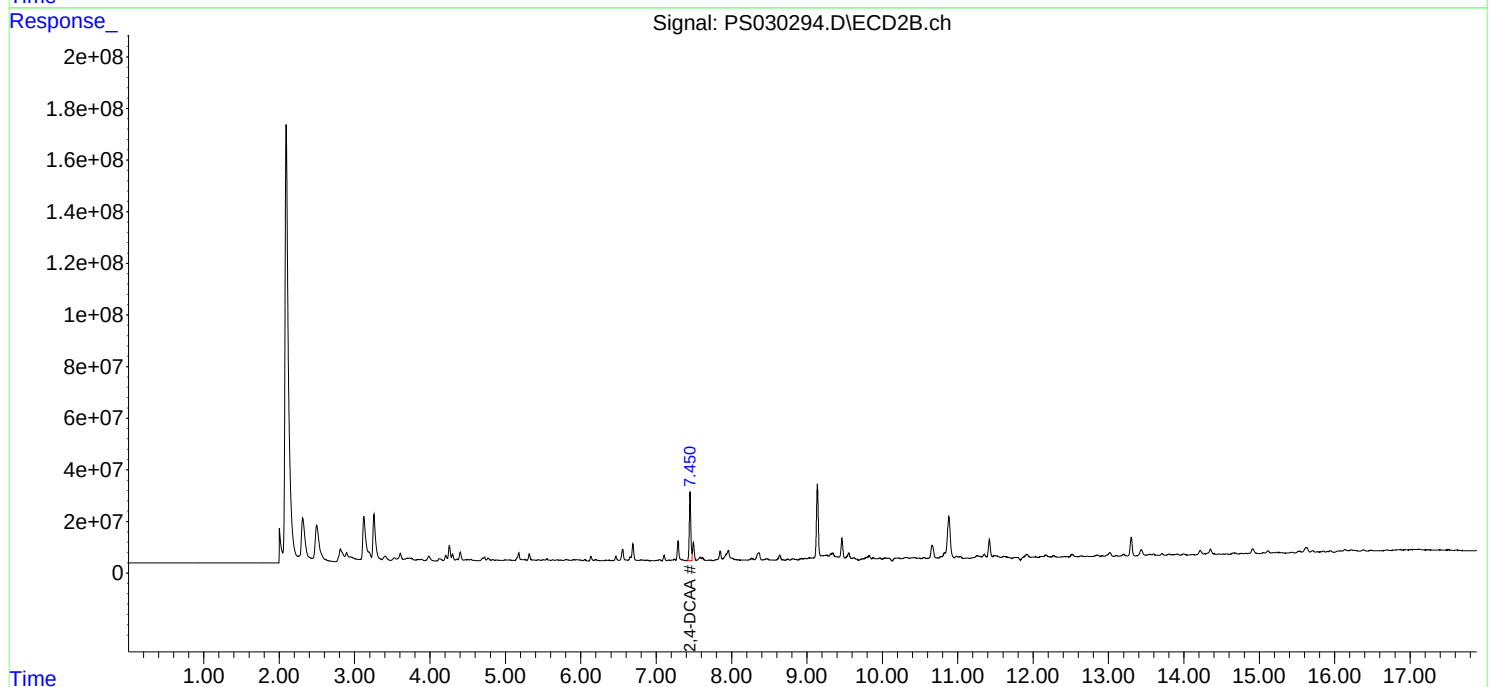
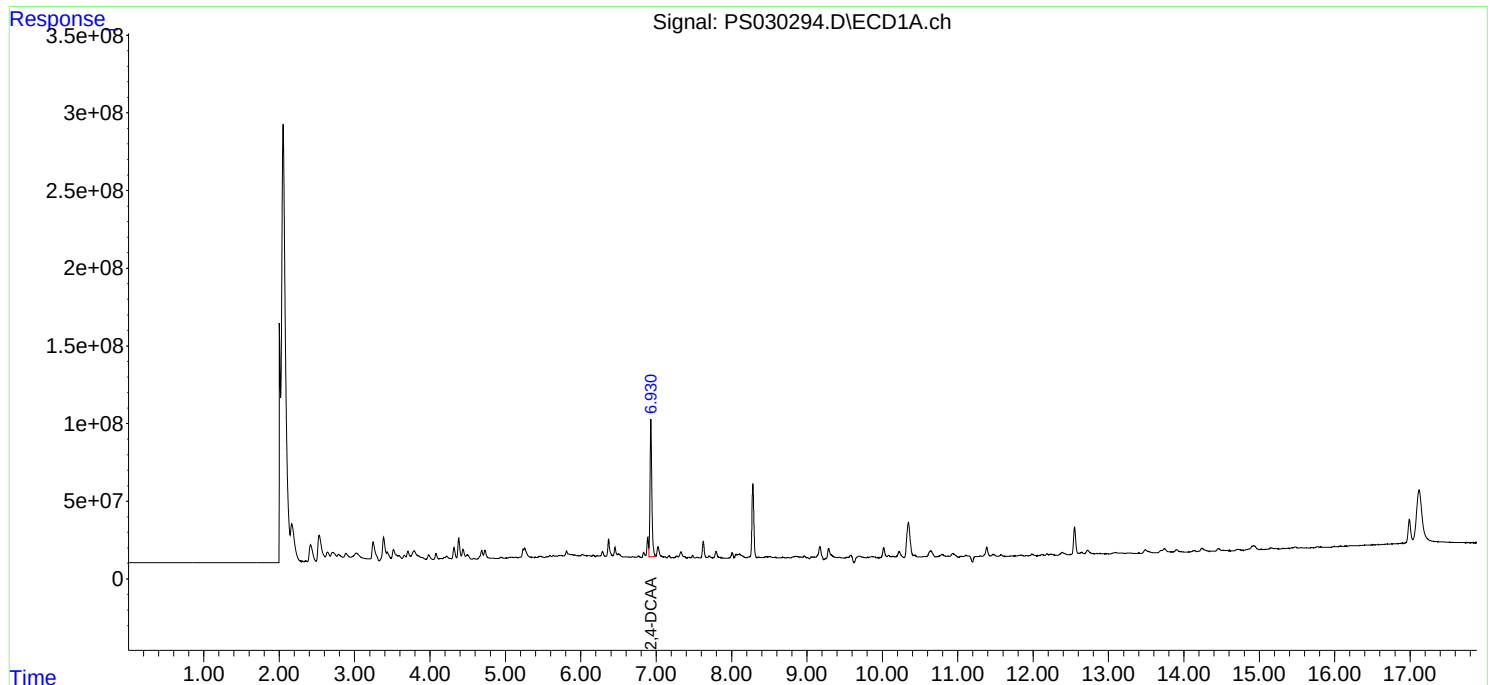
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

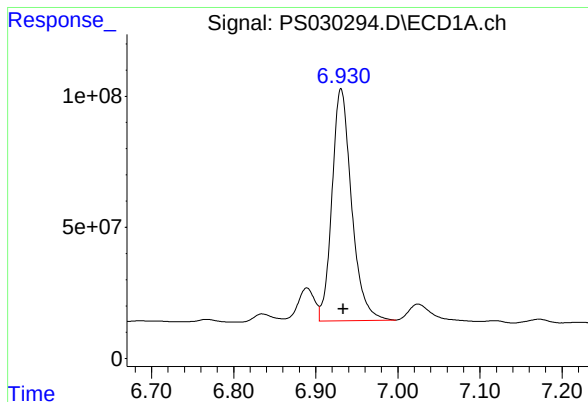
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051925\
Data File : PS030294.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 23:50
Operator : AR\AJ
Sample : Q2027-03
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
B27-SOIL-SAMPLE

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 20 05:48:18 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
Quant Title : 8080.M
QLast Update : Mon May 12 14:29:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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





#4 2,4-DCAA

R.T.: 6.931 min

Delta R.T.: -0.003 min

Response: 1469545967

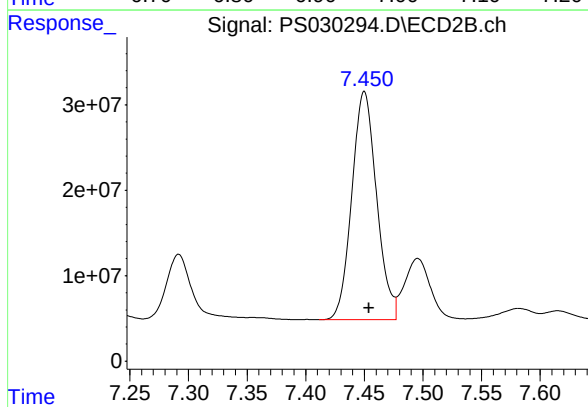
Conc: 516.03 ng/ml

Instrument :

ECD_S

ClientSampleId :

B27-SOIL-SAMPLE



#4 2,4-DCAA

R.T.: 7.450 min

Delta R.T.: -0.004 min

Response: 392632477

Conc: 490.67 ng/ml

Report of Analysis

Client:	Scalamandre – Tully JV	Date Collected:	05/12/25
Project:	NYC DOT Harper Street Yard North	Date Received:	05/13/25
Client Sample ID:	B28-SOIL-SAMPLE	SDG No.:	Q2027
Lab Sample ID:	Q2027-04	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
PS030297.D	1	05/19/25 09:15	05/20/25 01:03	PB168065

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	485		39 - 175	97%	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\PS051925\
 Data File : PS030297.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 20 May 2025 01:03
 Operator : AR\AJ
 Sample : Q2027-04
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 B28-SOIL-SAMPLE

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 20 05:49:44 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
 Quant Title : 8080.M
 QLast Update : Mon May 12 14:29:24 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds

4) S 2,4-DCAA	6.930	7.449	1381.8E6	383.5E6	485.205	479.218
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Target Compounds

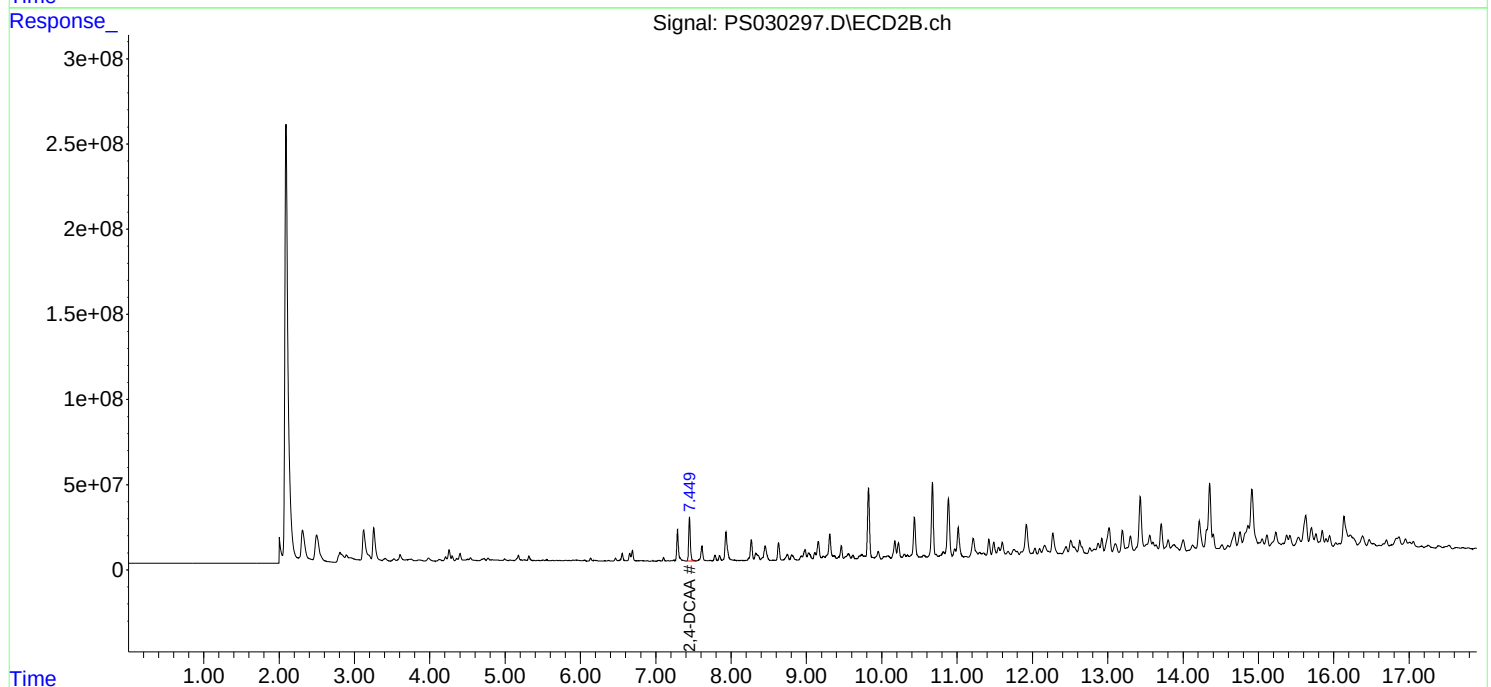
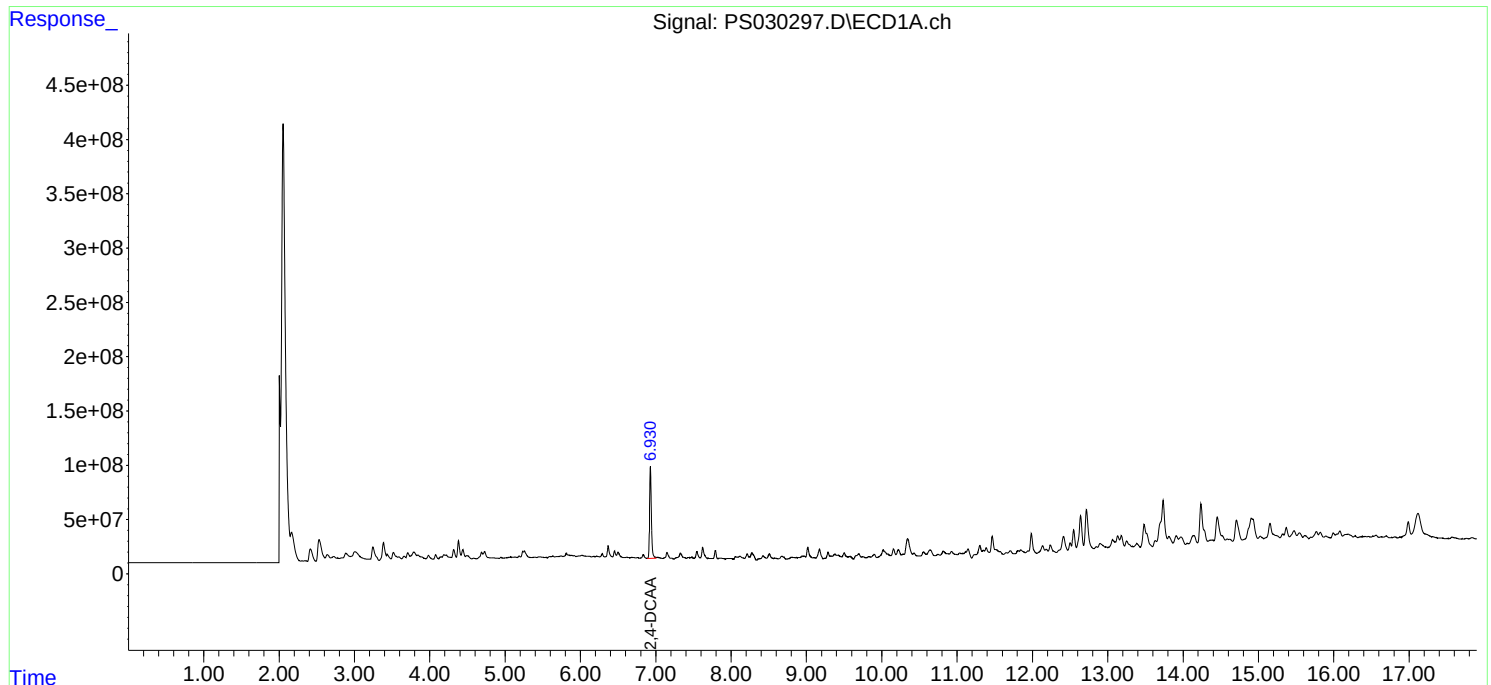
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

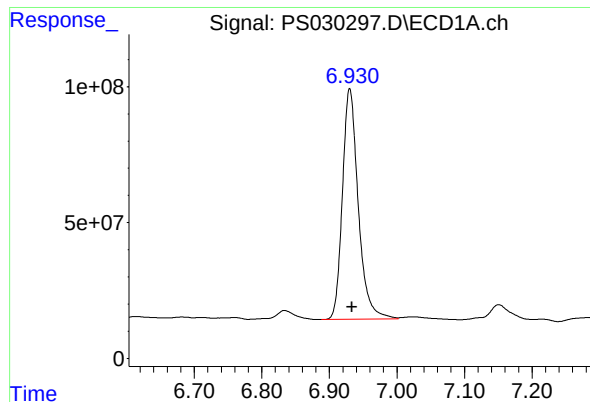
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051925\
Data File : PS030297.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 May 2025 01:03
Operator : AR\AJ
Sample : Q2027-04
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
B28-SOIL-SAMPLE

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 20 05:49:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
Quant Title : 8080.M
QLast Update : Mon May 12 14:29:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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





#4 2,4-DCAA

R.T.: 6.930 min

Delta R.T.: -0.003 min

Response: 1381771384

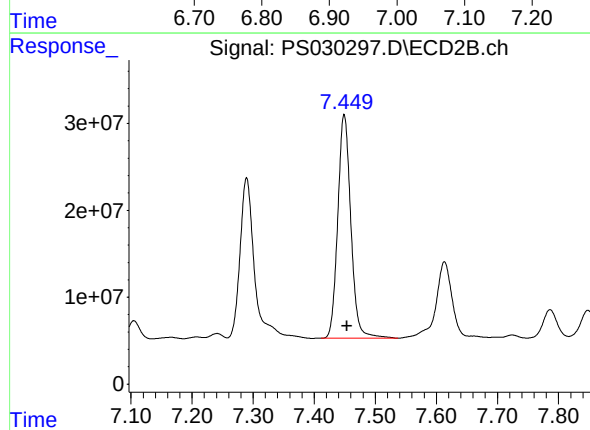
Conc: 485.21 ng/ml

Instrument :

ECD_S

ClientSampleId :

B28-SOIL-SAMPLE



#4 2,4-DCAA

R.T.: 7.449 min

Delta R.T.: -0.005 min

Response: 383471942

Conc: 479.22 ng/ml



CALIBRATION SUMMARY

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

LAB FILE ID:	RT 200 =	<u>PS030125.D</u>	RT 500 =	<u>PS030126.D</u>
RT 750 =	PS030127.D	RT 1000 =	PS030128.D	RT 1500 =
				PS030129.D

[illegible]

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

LAB FILE ID:	RT 200 =	<u>PS030125.D</u>	RT 500 =	<u>PS030126.D</u>
RT 750 =	PS030127.D	RT 1000 =	PS030128.D	RT 1500 = PS030129.D

[illegible]

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: SCAL01
Lab Code: CHEM **Case No.:** Q2027 **SAS No.:** Q2027 **SDG NO.:** Q2027
Instrument ID: ECD_S **Calibration Date(s):** 05/12/2025 05/12/2025
Calibration Times: 12:30 14:06

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

LAB FILE ID:		CF 200 = <u>PS030125.D</u>		CF 500 = <u>PS030126.D</u>			
CF 750 = <u>PS030127.D</u>		CF 1000 = <u>PS030128.D</u>		CF 1500 = <u>PS030129.D</u>			
COMPOUND	CF 200	CF 500	CF 750	CF 1000	CF 1500	CF	% RSD
2,4,5-TP(Silvex)	19321200000	16303400000	15619800000	15128700000	14606800000	16196000000	11
2,4-D	4048870000	3291910000	3113030000	3014870000	2926010000	3278940000	14
2,4-DCAA	3540840000	2868830000	2702520000	2609290000	2517560000	2847810000	14

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: SCAL01
Lab Code: CHEM **Case No.:** Q2027 **SAS No.:** Q2027 **SDG NO.:** Q2027
Instrument ID: ECD_S **Calibration Date(s):** 05/12/2025 05/12/2025
Calibration Times: 12:30 14:06

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

LAB FILE ID:		CF 200 = <u>PS030125.D</u>	CF 500 = <u>PS030126.D</u>				
CF 750 = <u>PS030127.D</u>		CF 1000 = <u>PS030128.D</u>	CF 1500 = <u>PS030129.D</u>				
COMPOUND	CF 200	CF 500	CF 750	CF 1000	CF 1500	CF	% RSD
2,4,5-TP(Silvex)	10913400000	9868000000	9697110000	9517670000	9255920000	9850430000	6
2,4-D	1480680000	1290430000	1248060000	1225910000	1207420000	1290500000	9
2,4-DCAA	922885000	799420000	773490000	758361000	746863000	800204000	9

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051225\
 Data File : PS030125.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 12 May 2025 12:30
 Operator : AR\AJ
 Sample : HSTDICC200
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

HSTDICC200

Manual Integrations**APPROVED**

Reviewed By :Abdul Mirza 05/13/2025

Supervised By :mohammad ahmed 05/14/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 12 13:50:05 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
 Quant Title : 8080.M
 QLast Update : Mon May 12 13:43:14 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
4) S	2,4-DCAA	6.934	7.454	708.2E6	184.6E6	233.150	221.866
Target Compounds							
1) T	Dalapon	2.446	2.520	1161.8E6	445.3E6	230.933	208.837
2) T	3,5-DICHL...	6.138	6.453	948.7E6	240.0E6	214.407	195.017
3) T	4-Nitroph...	6.725	6.989	439.9E6	195.9E6	203.363	173.219
5) T	DICAMBA	7.109	7.639	2568.3E6	946.6E6	211.650	199.141
6) T	MCPD	7.286	7.744	110.4E6	32616416	14.656	18.070
7) T	MCPA	7.428	7.974	200.2E6	49441444	19.272	18.610
8) T	DICHLORPROP	7.789	8.332	681.8E6	261.1E6	219.198	211.296
9) T	2,4-D	8.011	8.644	761.2E6	278.4E6	218.443	207.780
10) T	Pentachlo...	8.286	9.144	9450.6E6	5262.3E6	215.768	204.481
11) T	2,4,5-TP ...	8.850	9.522	3671.0E6	2073.6E6	214.913	204.100
12) T	2,4,5-T	9.133	9.927	3763.2E6	1952.2E6	215.342	205.137
13) T	2,4-DB	9.691	10.485	536.3E6	241.1E6	202.273	228.178
14) T	DINOSEB	10.850	10.858	2592.3E6	1452.1E6	214.384	205.126
15) T	Picloram	10.672	11.892	4602.8E6	2955.0E6	207.830	206.560m
16) T	DCPA	11.152	11.892	4589.7E6	2821.7E6	217.427	194.524m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051225\
Data File : PS030125.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 May 2025 12:30
Operator : AR\AJ
Sample : HSTDICC200
Misc :
ALS Vial : 3 Sample Multiplier: 1

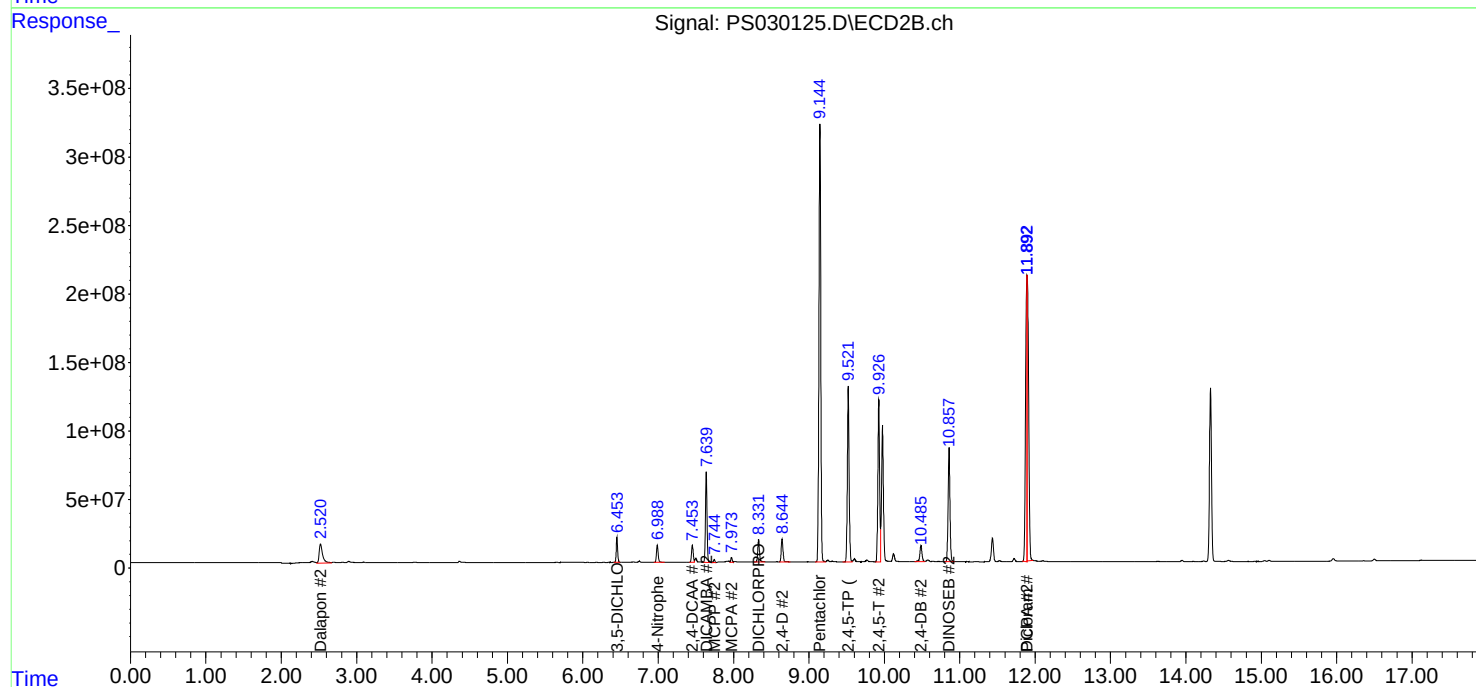
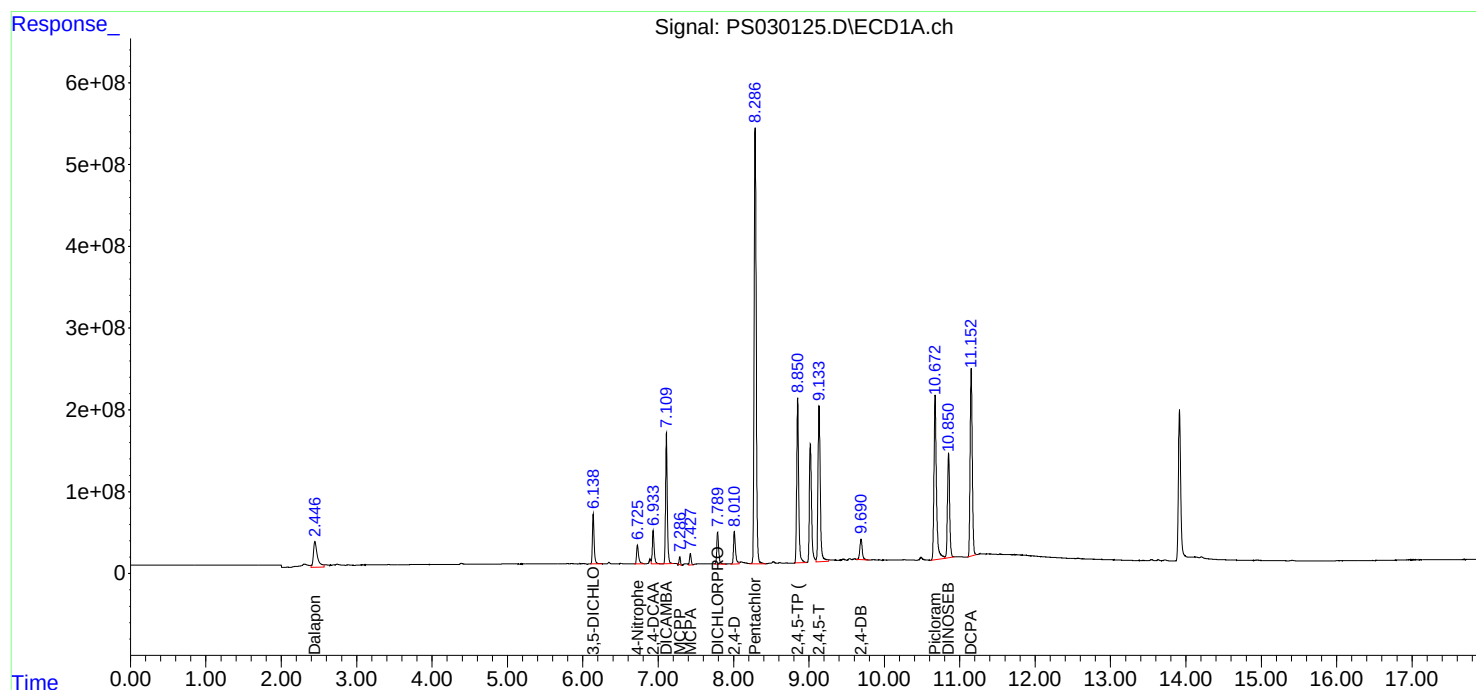
Instrument :
ECD_S
ClientSampleId :
HSTDICC200

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/13/2025
Supervised By :mohammad ahmed 05/14/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 13:50:05 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
Quant Title : 8080.M
QLast Update : Mon May 12 13:43:14 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\PS051225\
 Data File : PS030126.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 12 May 2025 12:54
 Operator : AR\AJ
 Sample : HSTDICC500
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

HSTDICC500

Manual Integrations**APPROVED**

Reviewed By :Abdul Mirza 05/13/2025

Supervised By :mohammad ahmed 05/14/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 12 13:47:07 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
 Quant Title : 8080.M
 QLast Update : Mon May 12 13:43:14 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
4) S	2,4-DCAA	6.933	7.454	1434.4E6	399.7E6	514.926	508.243
Target Compounds							
1) T	Dalapon	2.447	2.520	2243.7E6	920.5E6	471.266	466.069
2) T	3,5-DICHL...	6.138	6.453	1954.7E6	604.8E6	478.289	503.770
3) T	4-Nitroph...	6.724	6.988	957.1E6	626.7E6	470.076	541.042
5) T	DICAMBA	7.109	7.639	5452.8E6	2196.7E6	479.532	471.133
6) T	MCPD	7.287	7.746	351.0E6	83878837	46.529	45.584
7) T	MCPA	7.429	7.975	474.0E6	124.4E6	46.459	46.843
8) T	DICHLORPROP	7.789	8.332	1377.7E6	553.4E6	483.005	477.421
9) T	2,4-D	8.009	8.645	1547.2E6	606.5E6	483.126	477.844
10) T	Pentachlo...	8.286	9.145	19907.6E6	11940.1E6	487.580	482.342
11) T	2,4,5-TP ...	8.851	9.523	7744.1E6	4687.3E6	485.171	479.149
12) T	2,4,5-T	9.132	9.927	7931.4E6	4385.5E6	486.289	479.945
13) T	2,4-DB	9.690	10.485	1219.4E6	452.4E6	475.256	475.987
14) T	DINOSEB	10.851	10.859	5403.8E6	3216.0E6	480.627	475.978
15) T	Picloram	10.672	11.894	10147.5E6	6755.0E6	480.746	488.999m
16) T	DCPA	11.152	11.893	9696.2E6	6912.8E6	491.912	476.219m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051225\
Data File : PS030126.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 May 2025 12:54
Operator : AR\AJ
Sample : HSTDICC500
Misc :
ALS Vial : 4 Sample Multiplier: 1

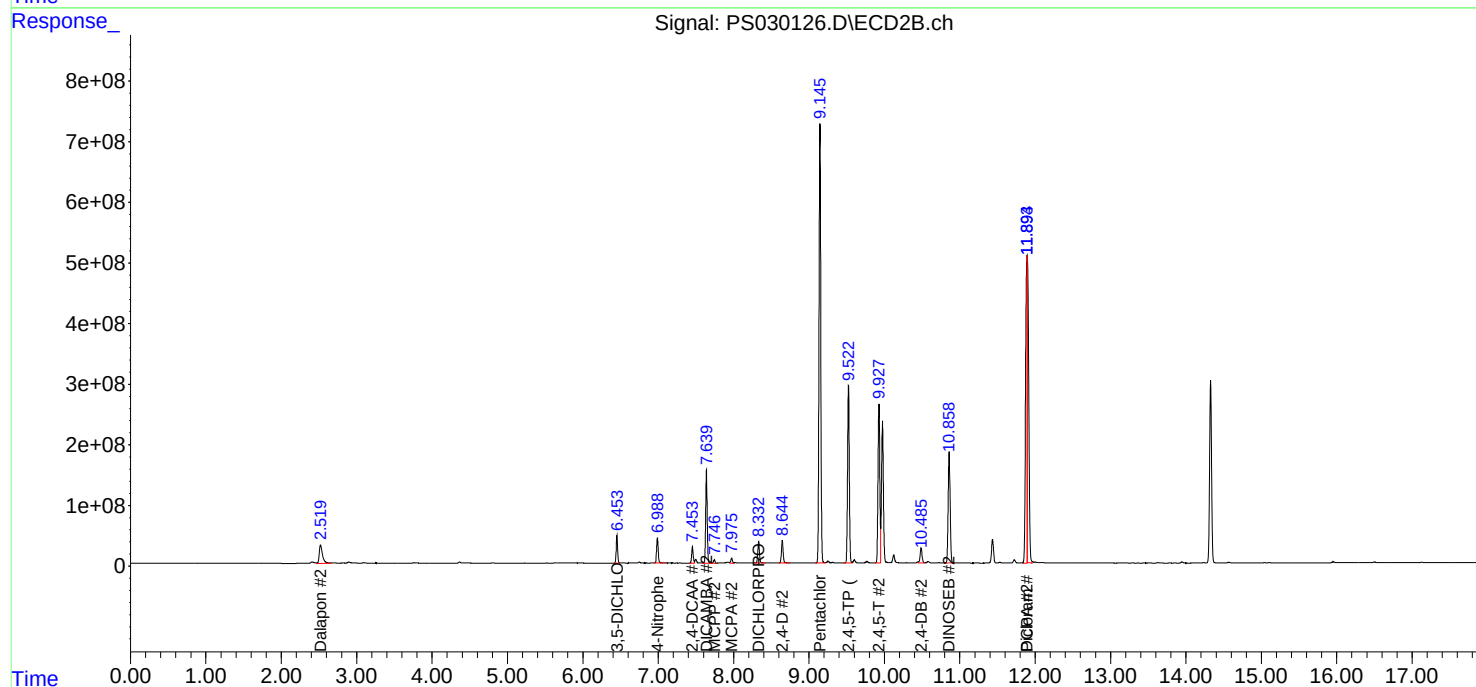
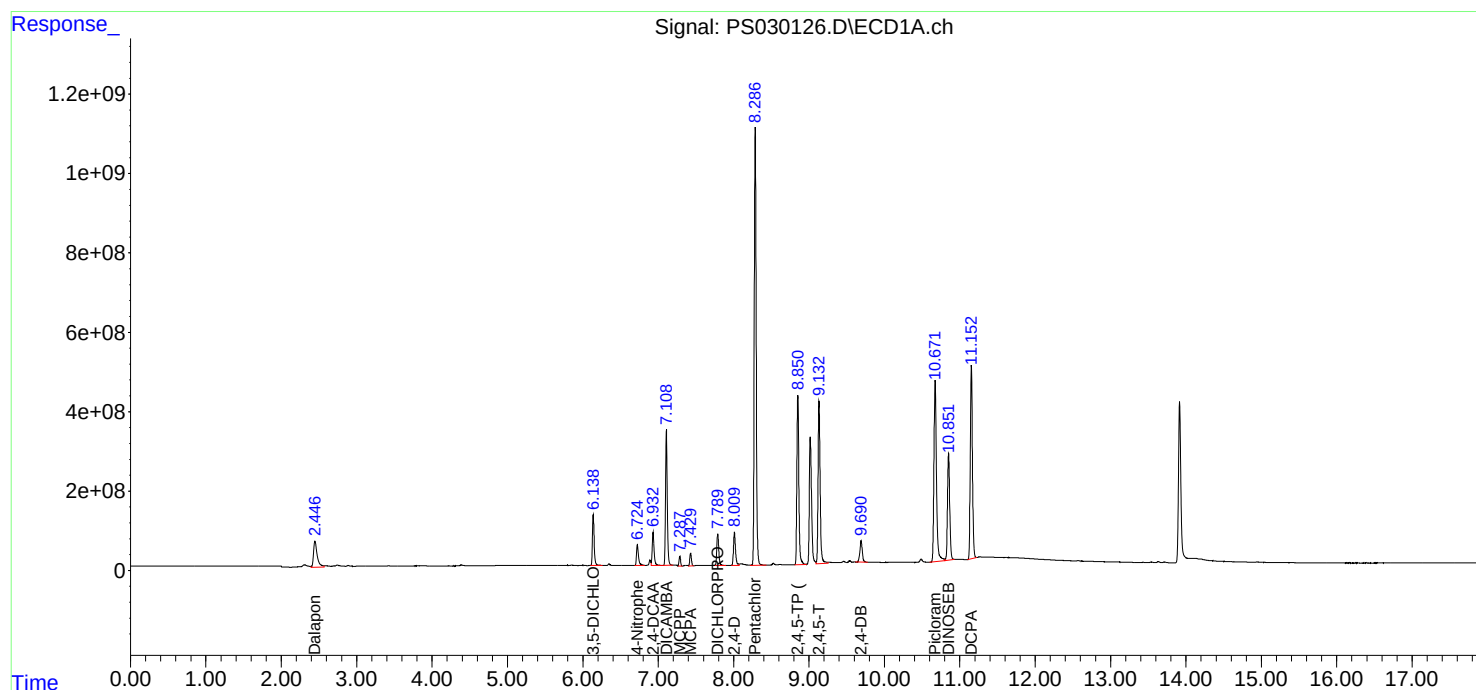
Instrument :
ECD_S
ClientSampleId :
HSTDICC500

Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 05/13/2025
Supervised By : mohammad ahmed 05/14/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 13:47:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
Quant Title : 8080.M
QLast Update : Mon May 12 13:43:14 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051225\
 Data File : PS030127.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 12 May 2025 13:18
 Operator : AR\AJ
 Sample : HSTDICC750
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

HSTDICC750

Manual Integrations**APPROVED**

Reviewed By :Abdul Mirza 05/13/2025

Supervised By :mohammad ahmed 05/14/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 12 13:43:33 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
 Quant Title : 8080.M
 QLast Update : Mon May 12 13:43:14 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
4) S	2,4-DCAA	6.934	7.454	2026.9E6	580.1E6	750.000	750.000
Target Compounds							
1) T	Dalapon	2.446	2.520	3133.2E6	1315.1E6	682.500	682.500
2) T	3,5-DICHL...	6.138	6.453	2769.2E6	767.6E6	697.500	697.500
3) T	4-Nitroph...	6.724	6.988	1343.5E6	641.1E6	682.500	682.500
5) T	DICAMBA	7.110	7.639	7854.1E6	3279.2E6	705.000	705.000
6) T	MCPD	7.289	7.747	537.2E6	133.6E6	70.500	70.500
7) T	MCPA	7.431	7.977	712.2E6	183.9E6	69.750	69.750
8) T	DICHLORPROP	7.789	8.332	1955.3E6	804.4E6	705.000	705.000
9) T	2,4-D	8.010	8.644	2194.7E6	879.9E6	705.000	705.000
10) T	Pentachlo...	8.287	9.145	28320.5E6	17364.8E6	712.500	712.500
11) T	2,4,5-TP ...	8.850	9.523	11129.1E6	6909.2E6	712.500	712.500
12) T	2,4,5-T	9.133	9.926	11344.7E6	6442.6E6	712.500	712.500
13) T	2,4-DB	9.689	10.485	1827.1E6	675.8E6	712.500	712.500
14) T	DINOSEB	10.851	10.858	7747.2E6	4702.8E6	705.000	705.000
15) T	Picloram	10.670	11.894	14857.3E6	9721.1E6	712.500	727.171m
16) T	DCPA	11.153	11.893	13839.9E6	10000.3E6	720.000	727.183m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051225\
Data File : PS030127.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 May 2025 13:18
Operator : AR\AJ
Sample : HSTDICC750
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

HSTDICC750

Manual Integrations

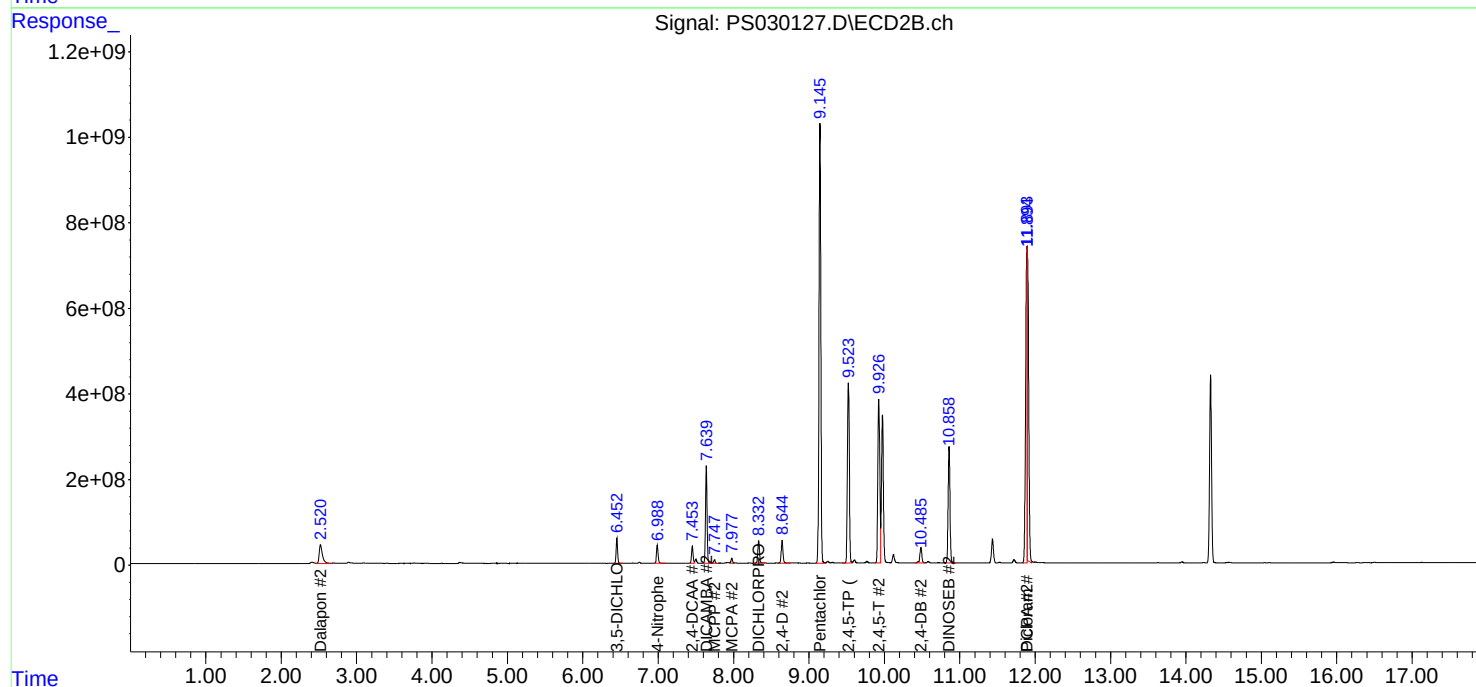
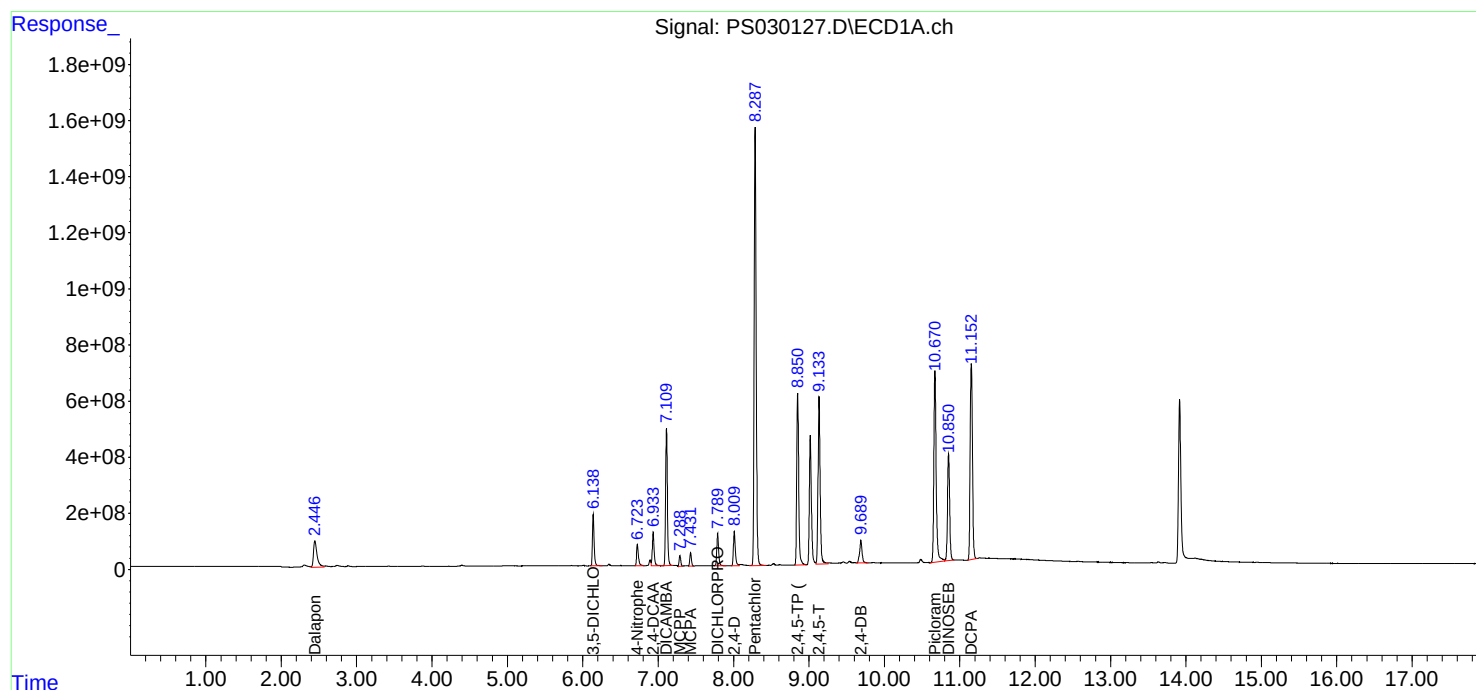
APPROVED

Reviewed By :Abdul Mirza 05/13/2025

Supervised By :mohammad ahmed 05/14/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 13:43:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
Quant Title : 8080.M
QLast Update : Mon May 12 13:43:14 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\PS051225\
 Data File : PS030128.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 12 May 2025 13:42
 Operator : AR\AJ
 Sample : HSTDICC1000
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

HSTDICC1000

Manual Integrations**APPROVED**

Reviewed By :Abdul Mirza 05/13/2025

Supervised By :mohammad ahmed 05/14/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 12 13:58:57 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
 Quant Title : 8080.M
 QLast Update : Mon May 12 13:58:36 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
4) S	2,4-DCAA	6.933	7.454	2609.3E6	758.4E6	890.431	932.175
Target Compounds							
1) T	Dalapon	2.446	2.520	4022.0E6	1730.9E6	791.534	834.294
2) T	3,5-DICHL...	6.139	6.453	3590.0E6	1001.6E6	838.061	840.224
3) T	4-Nitroph...	6.724	6.988	1760.4E6	837.7E6	835.965	776.796
5) T	DICAMBA	7.109	7.640	10196.3E6	4357.6E6	863.169	917.597
6) T	MCPD	7.290	7.749	729.6E6	177.4E6	101.601	97.188
7) T	MCPA	7.433	7.979	953.9E6	245.9E6	92.106	92.679
8) T	DICHLORPROP	7.789	8.332	2519.6E6	1045.5E6	839.025	867.706
9) T	2,4-D	8.009	8.645	2834.0E6	1152.4E6	841.649	878.805
10) T	Pentachlo...	8.287	9.145	36236.2E6	22455.0E6	854.920	890.701
11) T	2,4,5-TP ...	8.850	9.523	14372.3E6	9041.8E6	866.151	904.264
12) T	2,4,5-T	9.132	9.927	14592.7E6	8411.9E6	861.090	899.563
13) T	2,4-DB	9.689	10.485	2415.4E6	837.2E6	920.436	826.632
14) T	DINOSEB	10.851	10.859	10000.3E6	6148.3E6	852.655	885.355
15) T	Picloram	10.670	11.894	19519.6E6	13097.0E6	897.581	914.915m
16) T	DCPA	11.152	11.891	17786.8E6	11870.5E6	869.183	851.929m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051225\
Data File : PS030128.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 May 2025 13:42
Operator : AR\AJ
Sample : HSTDICC1000
Misc :
ALS Vial : 6 Sample Multiplier: 1

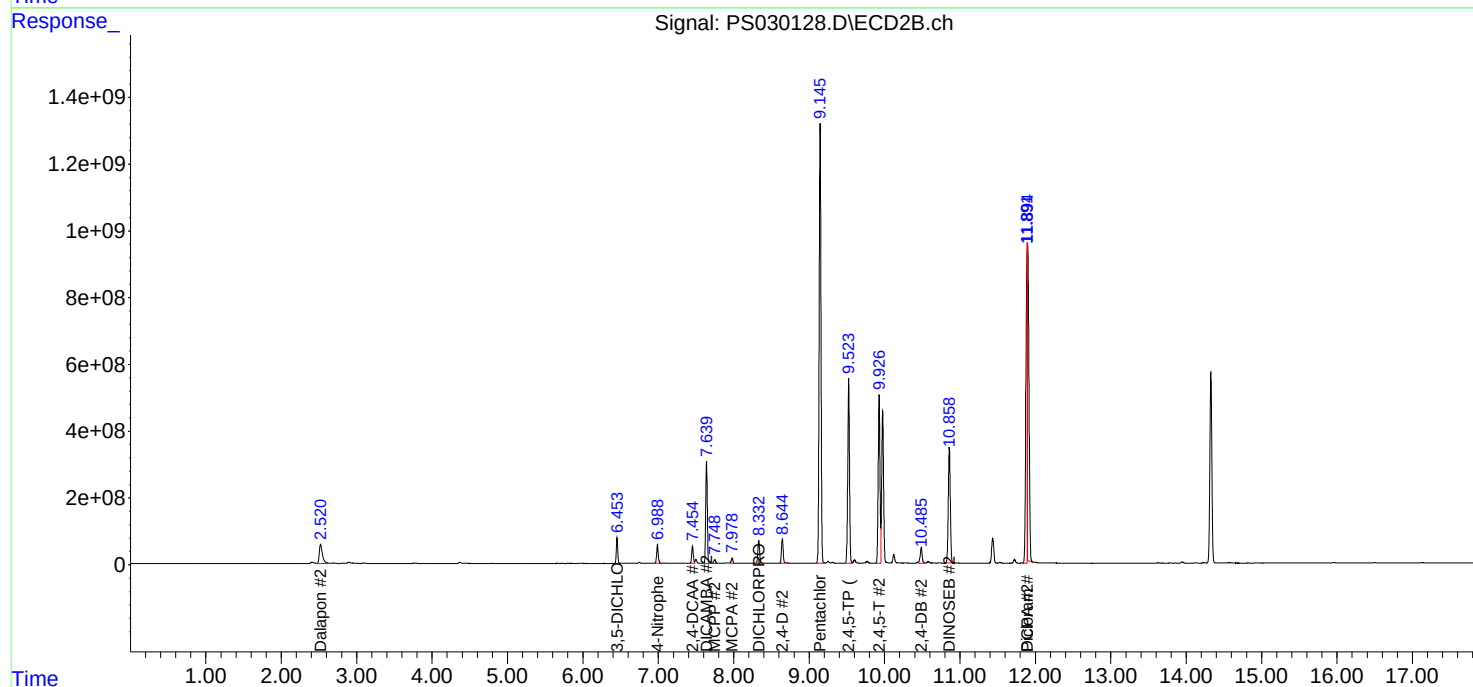
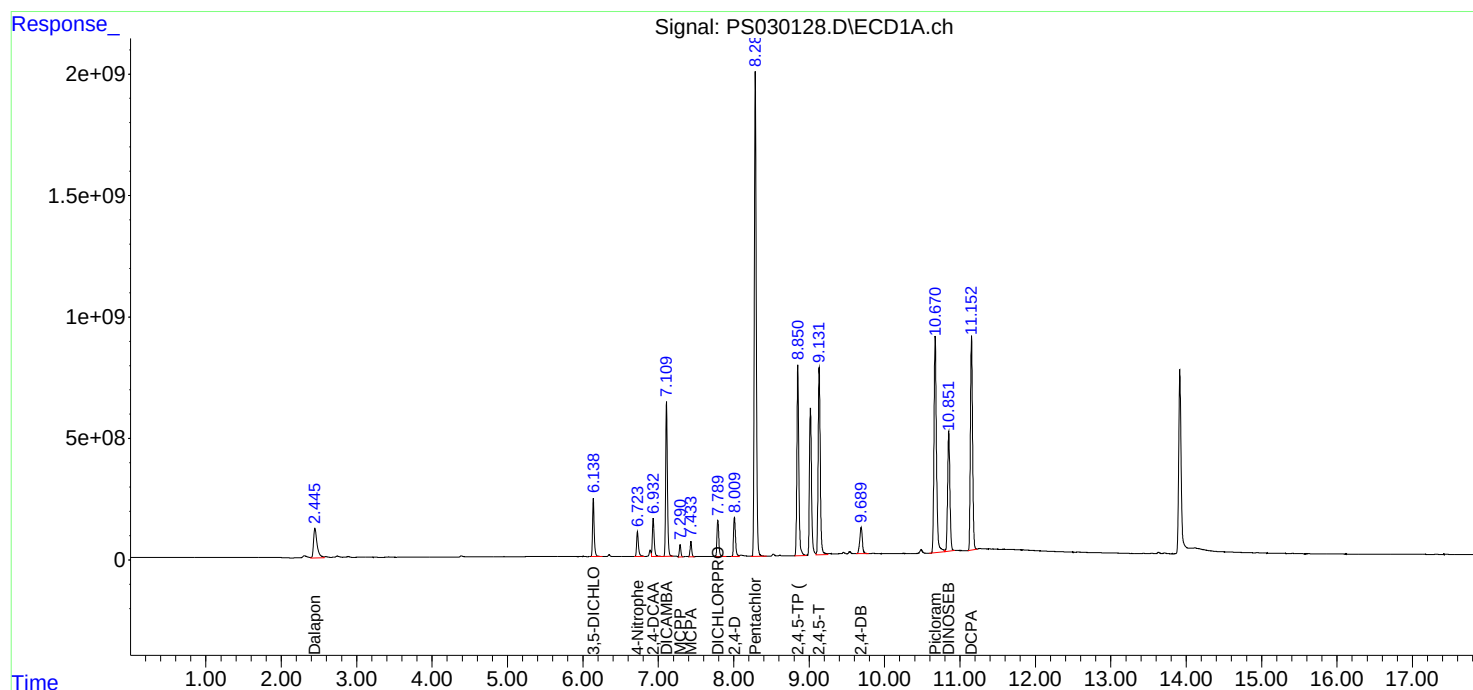
Instrument :
ECD_S
ClientSampleId :
HSTDICC1000

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/13/2025
Supervised By :mohammad ahmed 05/14/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 13:58:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
Quant Title : 8080.M
QLast Update : Mon May 12 13:58:36 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\PS051225\
 Data File : PS030129.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 12 May 2025 14:06
 Operator : AR\AJ
 Sample : HSTDICC1500
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 HSTDICC1500

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 05/13/2025
 Supervised By :mohammad ahmed 05/14/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 12 14:28:15 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
 Quant Title : 8080.M
 QLast Update : Mon May 12 14:27:56 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
4) S	2,4-DCAA	6.934	7.454	3776.3E6	1120.3E6	1326.050	1400.011
Target Compounds							
1) T	Dalapon	2.446	2.520	5803.8E6	2534.2E6	1180.753	1247.720
2) T	3,5-DICHL...	6.139	6.453	5186.8E6	1479.7E6	1243.675	1269.249
3) T	4-Nitroph...	6.724	6.988	2599.8E6	1237.2E6	1258.609	1184.993
5) T	DICAMBA	7.110	7.640	14856.3E6	6548.0E6	1285.438	1384.953
6) T	MCPD	7.293	7.751	1084.1E6	267.4E6	148.855	145.320
7) T	MCPA	7.437	7.983	1462.0E6	359.0E6	140.839	136.111
8) T	DICHLORPROP	7.789	8.333	3658.8E6	1533.4E6	1252.430	1297.948
9) T	2,4-D	8.009	8.645	4125.7E6	1702.5E6	1258.234	1319.227
10) T	Pentachlo...	8.293	9.145	46970.5E6	32180.6E6	1159.743	1303.651
11) T	2,4,5-TP ...	8.851	9.523	20814.7E6	13189.7E6	1285.177	1338.996
12) T	2,4,5-T	9.133	9.927	21074.1E6	12274.8E6	1276.042	1333.692
13) T	2,4-DB	9.690	10.485	3637.1E6	1297.8E6	1393.631	1307.799
14) T	DINOSEB	10.852	10.859	14478.2E6	8998.7E6	1265.980	1317.150
15) T	Picloram	10.670	11.895	28424.6E6	18755.9E6	1329.063	1314.827m
16) T	DCPA	11.153	11.892	25491.3E6	17567.8E6	1280.231	1314.389m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051225\
Data File : PS030129.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 May 2025 14:06
Operator : AR\AJ
Sample : HSTDICC1500
Misc :
ALS Vial : 7 Sample Multiplier: 1

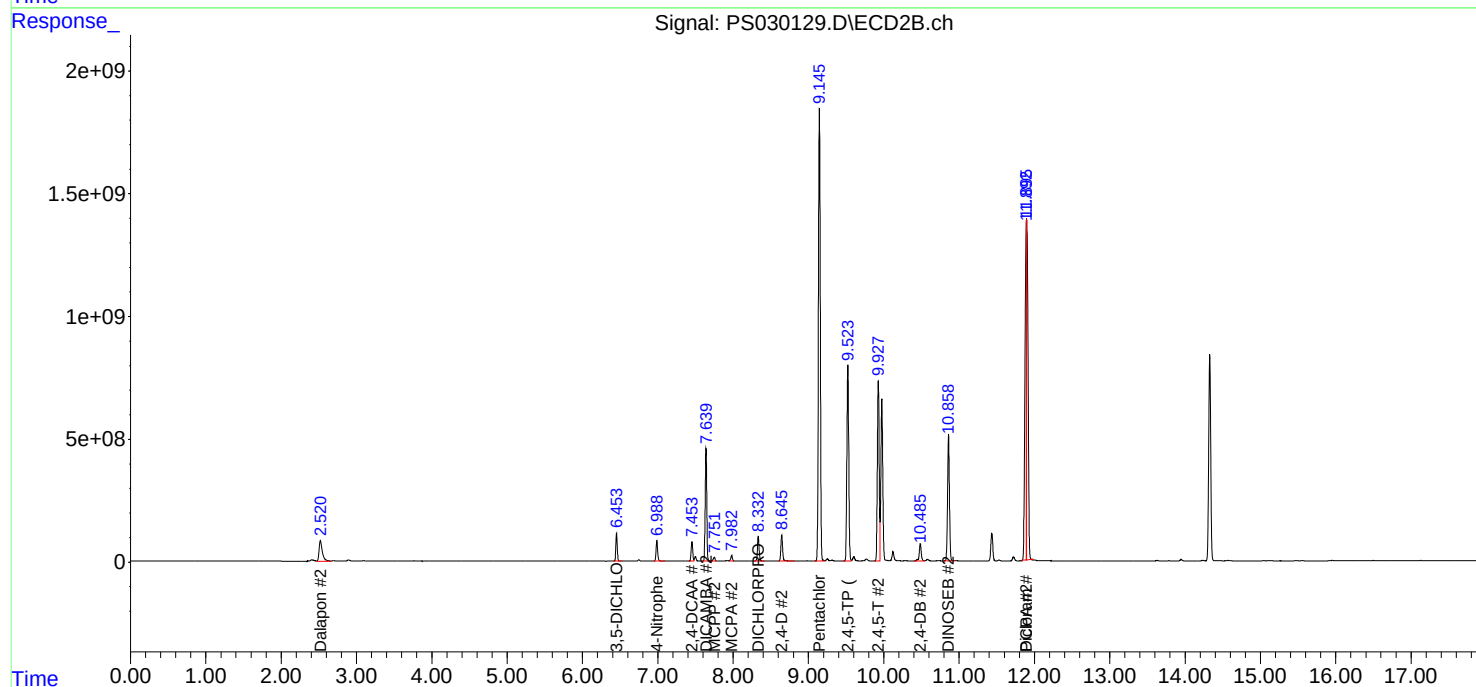
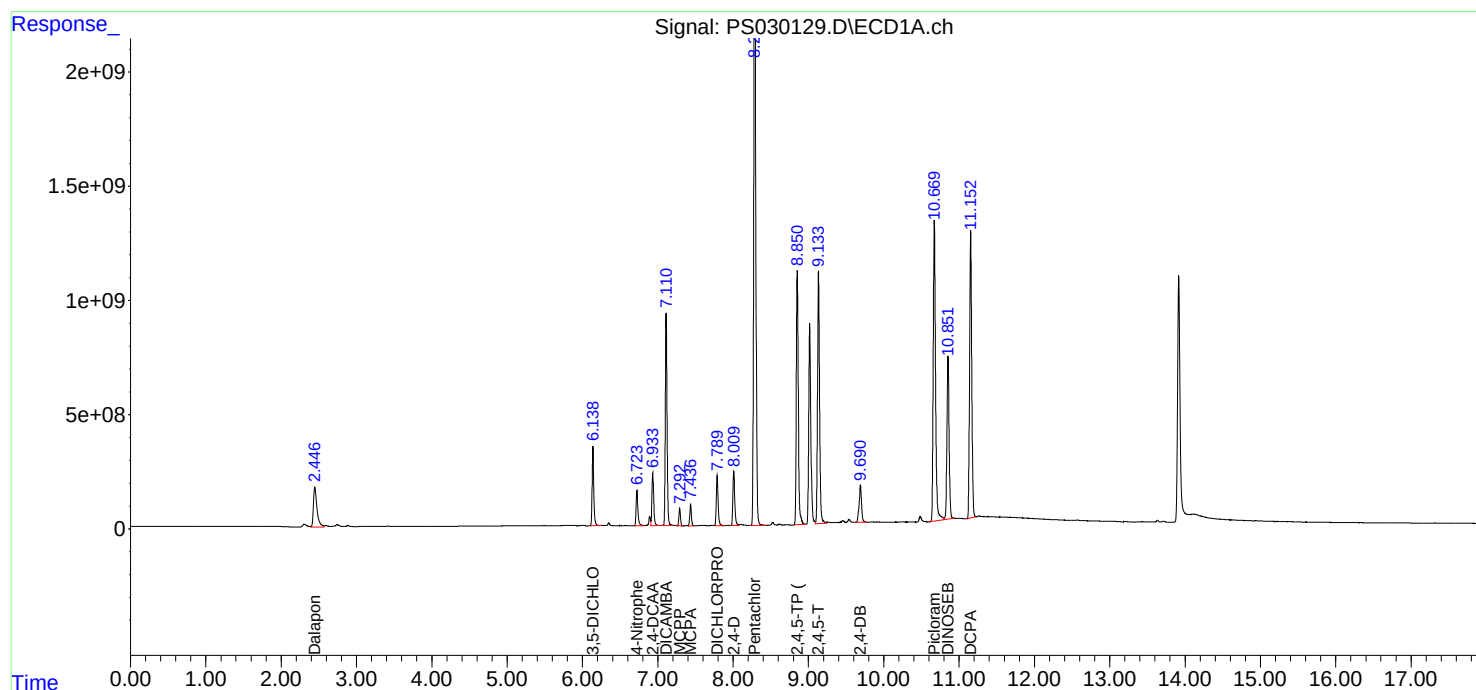
Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/13/2025
Supervised By :mohammad ahmed 05/14/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 14:28:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
Quant Title : 8080.M
QLast Update : Mon May 12 14:27:56 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\PS051225\
 Data File : PS030130.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 12 May 2025 14:30
 Operator : AR\AJ
 Sample : HSTDICV750
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

ICVPS051225

Manual Integrations**APPROVED**

Reviewed By :Abdul Mirza 05/13/2025

Supervised By :mohammad ahmed 05/14/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 12 15:04:31 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
 Quant Title : 8080.M
 QLast Update : Mon May 12 14:29:24 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
4) S	2,4-DCAA	6.934	7.454	2000.1E6	576.9E6	702.326	720.970
Target Compounds							
1) T	Dalapon	2.446	2.520	3076.9E6	1314.3E6	625.967	647.108
2) T	3,5-DICHL...	6.139	6.453	2750.7E6	760.8E6	659.557	652.607
3) T	4-Nitroph...	6.724	6.989	1318.9E6	628.7E6	638.507	602.172
5) T	DICAMBA	7.110	7.640	7834.8E6	3263.7E6	677.908	690.298
6) T	MCPD	7.289	7.748	532.7E6	133.5E6	73.145	72.581
7) T	MCPA	7.431	7.978	699.7E6	180.7E6	67.398	68.504
8) T	DICHLORPROP	7.790	8.333	1940.1E6	796.8E6	664.107	674.472
9) T	2,4-D	8.010	8.645	2200.0E6	878.7E6	670.942	680.913
10) T	Pentachlo...	8.287	9.145	28175.2E6	17257.0E6	695.670	699.091
11) T	2,4,5-TP ...	8.851	9.524	11116.5E6	6877.2E6	686.375	698.163
12) T	2,4,5-T	9.133	9.927	11274.6E6	6386.9E6	682.678	693.957
13) T	2,4-DB	9.691	10.486	1842.8E6	635.3E6	706.110	640.157
14) T	DINOSEB	10.851	10.859	7678.7E6	4674.1E6	671.427	684.150
15) T	Picloram	10.671	11.895	14927.7E6	9640.6E6	697.983	685.038m
16) T	DCPA	11.153	11.892	13809.2E6	9287.7E6	693.529	687.439m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051225\
Data File : PS030130.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 May 2025 14:30
Operator : AR\AJ
Sample : HSTDICV750
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

ICVPS051225

Manual Integrations

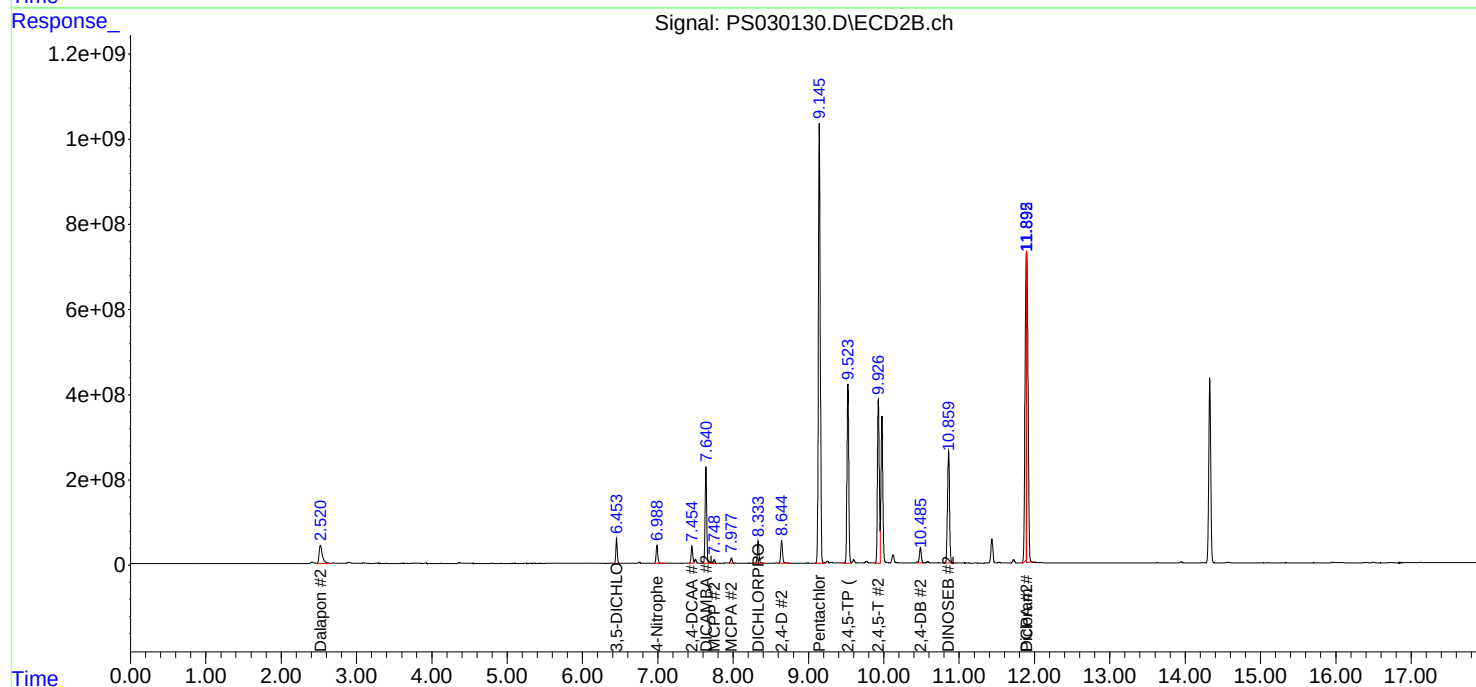
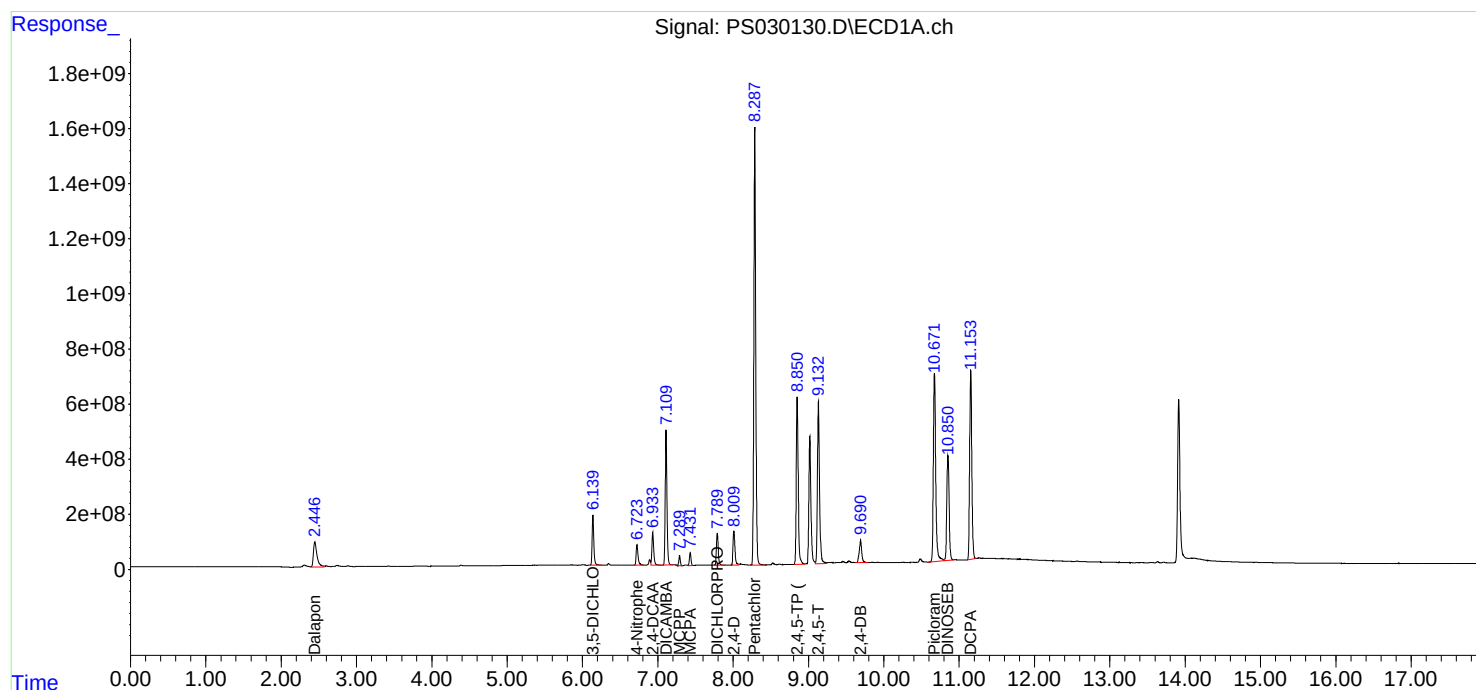
APPROVED

Reviewed By :Abdul Mirza 05/13/2025

Supervised By :mohammad ahmed 05/14/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 15:04:31 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
Quant Title : 8080.M
QLast Update : Mon May 12 14:29:24 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

Contract: SCAL01

Lab Code: CHEM Case No.: Q2027 SAS No.: Q2027 SDG NO.: Q2027

Continuing Calib Date: 05/19/2025 Initial Calibration Date(s): 05/12/2025 05/12/2025

Continuing Calib Time: 21:26 Initial Calibration Time(s): 12:30 14:06

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
2,4-DCAA	6.93	6.93	6.83	7.03	0.00
2,4-D	8.01	8.01	7.91	8.11	0.00
2,4,5-TP(Silvex)	8.85	8.85	8.75	8.95	0.00



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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: SCAL01

Lab Code: CHEM Case No.: Q2027 SAS No.: Q2027 SDG NO.: Q2027

Continuing Calib Date: 05/19/2025 Initial Calibration Date(s): 05/12/2025 05/12/2025

Continuing Calib Time: 21:26 Initial Calibration Time(s): 12:30 14:06

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
2,4-DCAA	7.45	7.45	7.35	7.55	0.00
2,4-D	8.64	8.64	8.54	8.74	0.00
2,4,5-TP(Silvex)	9.52	9.52	9.42	9.62	0.00



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CALIBRATION VERIFICATION SUMMARY

Contract: SCAL01

Lab Code: CHEM Case No.: Q2027 SAS No.: Q2027 SDG NO.: Q2027

GC Column: RTX-CLP ID: 0.32 (mm) Initi. Calib. Date(s): 05/12/2025 05/12/2025

Client Sample No.: CCAL01 Date Analyzed: 05/19/2025

Lab Sample No.: HSTDCCC750 Data File : PS030288.D Time Analyzed: 21:26

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
2,4,5-TP(Silvex)	8.848	8.750	8.950	717.600	712.500	0.7
2,4-D	8.006	7.910	8.110	703.830	705.000	-0.2
2,4-DCAA	6.931	6.834	7.034	740.950	750.000	-1.2



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CALIBRATION VERIFICATION SUMMARY

Contract: SCAL01

Lab Code: CHEM Case No.: Q2027 SAS No.: Q2027 SDG NO.: Q2027

GC Column: RTX-CLP2 ID: 0.32 (mm) Initi. Calib. Date(s): 05/12/2025 05/12/2025

Client Sample No.: CCAL01 Date Analyzed: 05/19/2025

Lab Sample No.: HSTDCCC750 Data File : PS030288.D Time Analyzed: 21:26

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
2,4,5-TP(Silvex)	9.517	9.423	9.623	729.750	712.500	2.4
2,4-D	8.639	8.544	8.744	708.970	705.000	0.6
2,4-DCAA	7.450	7.354	7.554	739.160	750.000	-1.4

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051925\
 Data File : PS030288.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 May 2025 21:26
 Operator : AR\AJ
 Sample : HSTDCCC750
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

HSTDCCC750

Manual Integrations**APPROVED**

Reviewed By :Abdul Mirza 05/20/2025

Supervised By :mohammad ahmed 05/21/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 20 02:09:23 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
 Quant Title : 8080.M
 QLast Update : Mon May 12 14:29:24 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
4) S	2,4-DCAA	6.931	7.450	2110.1E6	591.5E6	740.954	739.158
Target Compounds							
1) T	Dalapon	2.445	2.519	3314.6E6	1361.4E6	674.345	670.306
2) T	3,5-DICHL...	6.136	6.450	2903.4E6	763.9E6	696.174	655.208
3) T	4-Nitroph...	6.721	6.985	1448.8E6	638.2E6	701.390	611.297
5) T	DICAMBA	7.107	7.635	8136.6E6	3392.3E6	704.017	717.499
6) T	MCP	7.286	7.743	552.5E6	127.4E6	75.867	69.225
7) T	MCPA	7.429	7.973	733.1E6	174.6E6	70.623	66.184
8) T	DICHLORPROP	7.787	8.327	2045.4E6	839.6E6	700.142	710.678
9) T	2,4-D	8.006	8.639	2307.8E6	914.9E6	703.833	708.971
10) T	Pentachlo...	8.284	9.139	29413.1E6	18173.5E6	726.235	736.216
11) T	2,4,5-TP ...	8.848	9.517	11622.2E6	7188.3E6	717.600	729.748
12) T	2,4,5-T	9.128	9.920	11905.9E6	6667.9E6	720.905	724.483
13) T	2,4-DB	9.687	10.478	2028.3E6	620.3E6	777.177	625.061
14) T	DINOSEB	10.847	10.852	8066.4E6	4874.3E6	705.328	713.456
15) T	Picloram	10.667	11.888	15583.6E6	9714.5E6	728.648	690.288m
16) T	DCPA	11.149	11.886	14311.1E6	10023.6E6	718.737	741.914m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051925\
Data File : PS030288.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 21:26
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

HSTDCCC750

Manual Integrations

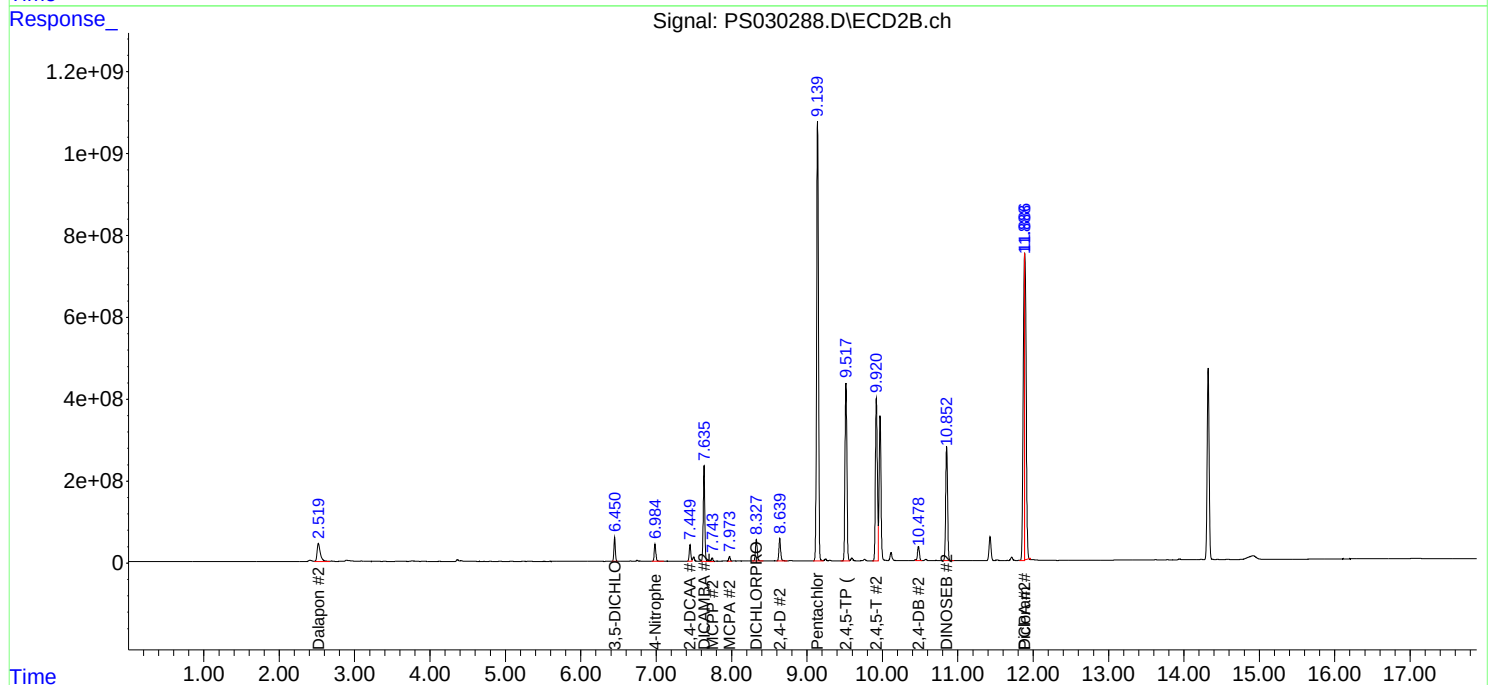
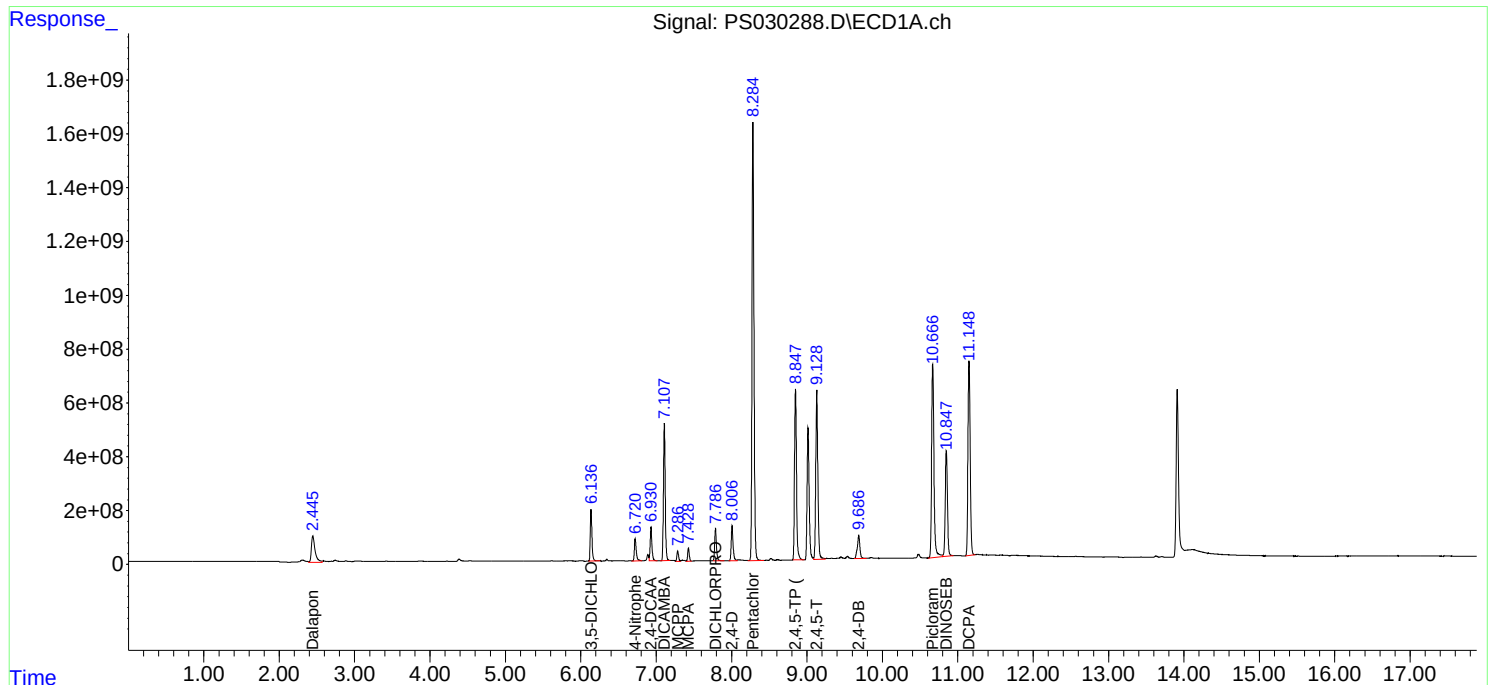
APPROVED

Reviewed By :Abdul Mirza 05/20/2025

Supervised By :mohammad ahmed 05/21/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 20 02:09:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
Quant Title : 8080.M
QLast Update : Mon May 12 14:29:24 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





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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: SCAL01

Lab Code: CHEM Case No.: Q2027 SAS No.: Q2027 SDG NO.: Q2027

Continuing Calib Date: 05/20/2025 Initial Calibration Date(s): 05/12/2025 05/12/2025

Continuing Calib Time: 02:15 Initial Calibration Time(s): 12:30 14:06

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
2,4-DCAA	6.93	6.93	6.83	7.03	0.00
2,4-D	8.01	8.01	7.91	8.11	0.00
2,4,5-TP(Silvex)	8.85	8.85	8.75	8.95	0.00



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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: SCAL01

Lab Code: CHEM Case No.: Q2027 SAS No.: Q2027 SDG NO.: Q2027

Continuing Calib Date: 05/20/2025 Initial Calibration Date(s): 05/12/2025 05/12/2025

Continuing Calib Time: 02:15 Initial Calibration Time(s): 12:30 14:06

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
2,4-DCAA	7.45	7.45	7.35	7.55	0.00
2,4-D	8.64	8.64	8.54	8.74	0.00
2,4,5-TP(Silvex)	9.52	9.52	9.42	9.62	0.00



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CALIBRATION VERIFICATION SUMMARY

Contract: SCAL01

Lab Code: CHEM Case No.: Q2027 SAS No.: Q2027 SDG NO.: Q2027

GC Column: RTX-CLP ID: 0.32 (mm) Initi. Calib. Date(s): 05/12/2025 05/12/2025

Client Sample No.: CCAL02 Date Analyzed: 05/20/2025

Lab Sample No.: HSTDCCC750 Data File : PS030300.D Time Analyzed: 02:15

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
2,4,5-TP(Silvex)	8.847	8.750	8.950	740.100	712.500	3.9
2,4-D	8.006	7.910	8.110	727.670	705.000	3.2
2,4-DCAA	6.930	6.834	7.034	766.930	750.000	2.3



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CALIBRATION VERIFICATION SUMMARY

Contract: SCAL01

Lab Code: CHEM Case No.: Q2027 SAS No.: Q2027 SDG NO.: Q2027

GC Column: RTX-CLP2 ID: 0.32 (mm) Initi. Calib. Date(s): 05/12/2025 05/12/2025

Client Sample No.: CCAL02 Date Analyzed: 05/20/2025

Lab Sample No.: HSTDCCC750 Data File : PS030300.D Time Analyzed: 02:15

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
2,4,5-TP(Silvex)	9.516	9.423	9.623	744.460	712.500	4.5
2,4-D	8.638	8.544	8.744	726.120	705.000	3.0
2,4-DCAA	7.449	7.354	7.554	755.260	750.000	0.7

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051925\
 Data File : PS030300.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 20 May 2025 02:15
 Operator : AR\AJ
 Sample : HSTDCCC750
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

HSTDCCC750

Manual Integrations**APPROVED**

Reviewed By :Abdul Mirza 05/20/2025

Supervised By :mohammad ahmed 05/21/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 20 03:26:13 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
 Quant Title : 8080.M
 QLast Update : Mon May 12 14:29:24 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
4) S	2,4-DCAA	6.930	7.449	2184.1E6	604.4E6	766.929	755.261
Target Compounds							
1) T	Dalapon	2.445	2.518	3339.5E6	1369.2E6	679.391	674.145
2) T	3,5-DICHL...	6.136	6.450	2979.9E6	782.6E6	714.515	671.304
3) T	4-Nitroph...	6.721	6.984	1486.7E6	647.8E6	719.735	620.438
5) T	DICAMBA	7.107	7.635	8457.5E6	3460.6E6	731.782	731.943
6) T	MCPD	7.286	7.743	573.7E6	132.8E6	78.777	72.193
7) T	MCPA	7.429	7.973	759.6E6	185.7E6	73.171	70.415
8) T	DICHLORPROP	7.786	8.326	2099.6E6	834.0E6	718.717	705.911
9) T	2,4-D	8.006	8.638	2386.0E6	937.1E6	727.665	726.120
10) T	Pentachlo...	8.283	9.138	30521.1E6	18583.2E6	753.593	752.815
11) T	2,4,5-TP ...	8.847	9.516	11986.6E6	7333.2E6	740.098	744.459
12) T	2,4,5-T	9.128	9.920	12352.6E6	6796.4E6	747.952	738.444
13) T	2,4-DB	9.686	10.478	2082.3E6	644.2E6	797.897	649.174
14) T	DINOSEB	10.846	10.852	8275.0E6	4937.3E6	723.566	722.681
15) T	Picloram	10.667	11.887	15907.0E6	11048.5E6	743.770	785.076m
16) T	DCPA	11.148	11.884	14886.2E6	9743.2E6	747.618	721.159m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051925\
Data File : PS030300.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 May 2025 02:15
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

HSTDCCC750

Manual Integrations

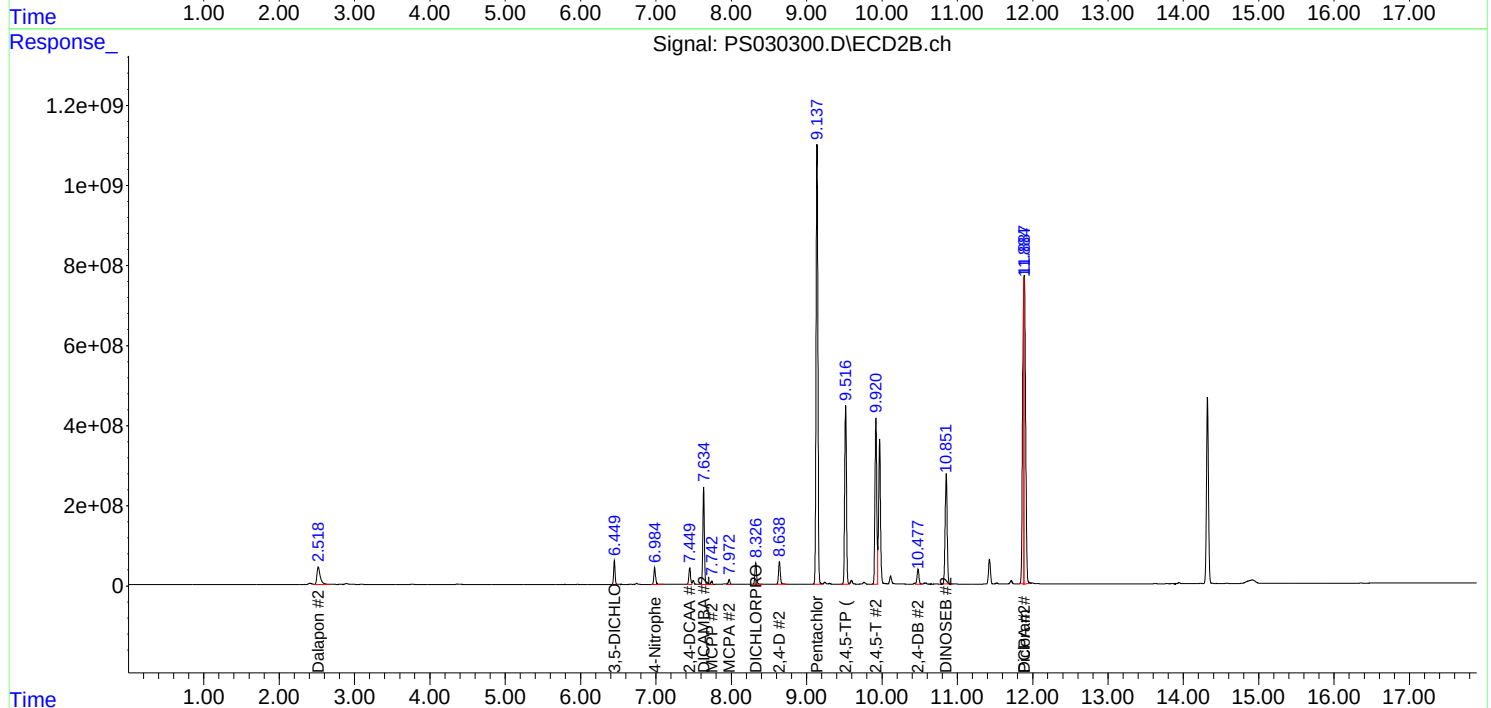
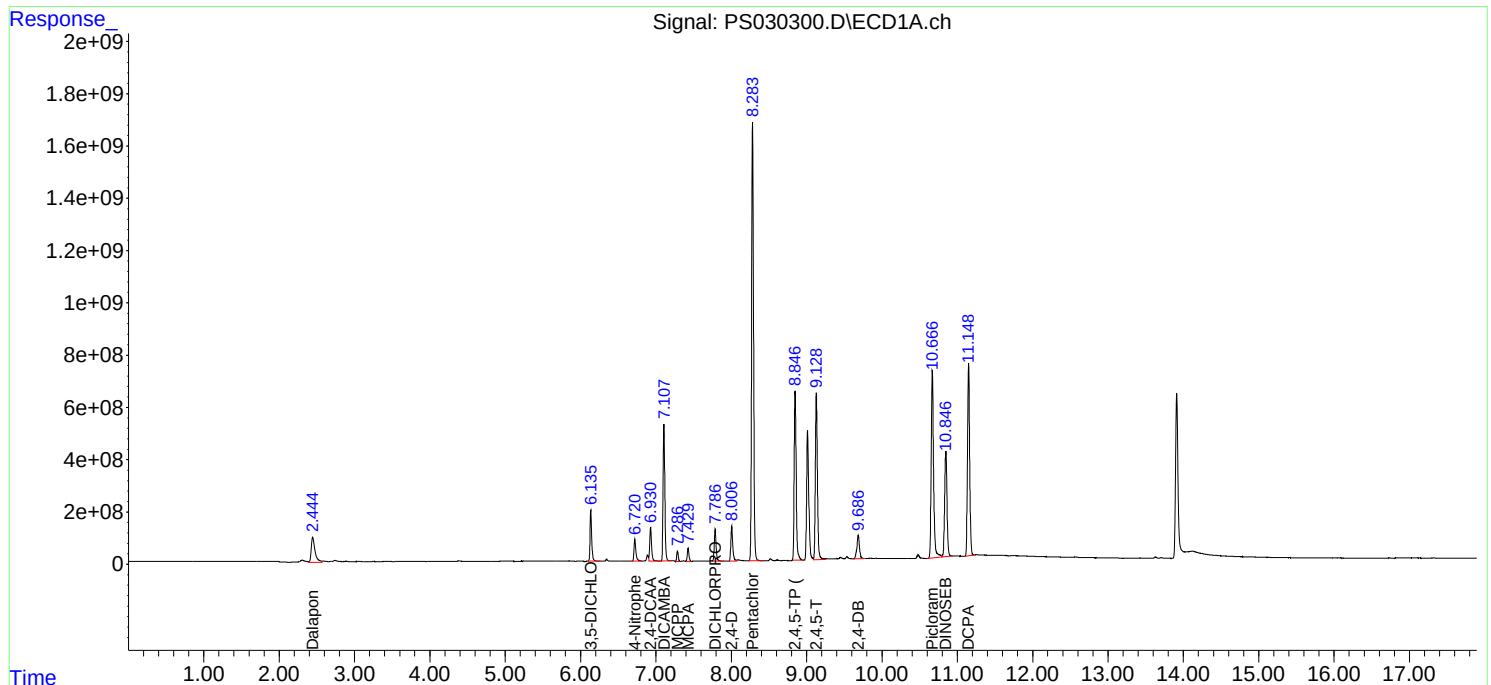
APPROVED

Reviewed By :Abdul Mirza 05/20/2025

Supervised By :mohammad ahmed 05/21/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 20 03:26:13 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
Quant Title : 8080.M
QLast Update : Mon May 12 14:29:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Analytical Sequence

Client: Scalamandre – Tully JV	SDG No.: Q2027
Project: NYC DOT Harper Street Yard North	Instrument ID: ECD_S
GC Column: RTX-CLP	ID: 0.32 (mm) Inst. Calib. Date(s): 05/12/2025 05/12/2025

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

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCAA RT #	RT #
1.BLK	1.BLK	05/12/2025	12:06	PS030124.D	6.93	0.00
HSTDICC200	HSTDICC200	05/12/2025	12:30	PS030125.D	6.93	0.00
HSTDICC500	HSTDICC500	05/12/2025	12:54	PS030126.D	6.93	0.00
HSTDICC750	HSTDICC750	05/12/2025	13:18	PS030127.D	6.93	0.00
HSTDICC1000	HSTDICC1000	05/12/2025	13:42	PS030128.D	6.93	0.00
HSTDICC1500	HSTDICC1500	05/12/2025	14:06	PS030129.D	6.93	0.00
1.BLK	1.BLK	05/19/2025	21:02	PS030287.D	6.93	0.00
HSTDCCC750	HSTDCCC750	05/19/2025	21:26	PS030288.D	6.93	0.00
PB168065BL	PB168065BL	05/19/2025	22:38	PS030291.D	6.93	0.00
PB168065BS	PB168065BS	05/19/2025	23:02	PS030292.D	6.93	0.00
PB167994TB	PB167994TB	05/19/2025	23:26	PS030293.D	6.93	0.00
B27-SOIL-SAMPLE	Q2027-03	05/19/2025	23:50	PS030294.D	6.93	0.00
B27-SOIL-SAMPLEMS	Q2027-03MS	05/20/2025	00:14	PS030295.D	6.93	0.00
B27-SOIL-SAMPLEMSD	Q2027-03MSD	05/20/2025	00:38	PS030296.D	6.93	0.00
B28-SOIL-SAMPLE	Q2027-04	05/20/2025	01:03	PS030297.D	6.93	0.00
1.BLK	1.BLK	05/20/2025	01:51	PS030299.D	6.93	0.00
HSTDCCC750	HSTDCCC750	05/20/2025	02:15	PS030300.D	6.93	0.00

Analytical Sequence

Client: Scalamandre – Tully JV	SDG No.: Q2027
Project: NYC DOT Harper Street Yard North	Instrument ID: ECD_S
GC Column: RTX-CLP2	ID: 0.32 (mm) Inst. Calib. Date(s): 05/12/2025 05/12/2025

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

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCAA RT #	RT #
1.BLK	1.BLK	05/12/2025	12:06	PS030124.D	7.45	0.00
HSTDICC200	HSTDICC200	05/12/2025	12:30	PS030125.D	7.45	0.00
HSTDICC500	HSTDICC500	05/12/2025	12:54	PS030126.D	7.45	0.00
HSTDICC750	HSTDICC750	05/12/2025	13:18	PS030127.D	7.45	0.00
HSTDICC1000	HSTDICC1000	05/12/2025	13:42	PS030128.D	7.45	0.00
HSTDICC1500	HSTDICC1500	05/12/2025	14:06	PS030129.D	7.45	0.00
1.BLK	1.BLK	05/19/2025	21:02	PS030287.D	7.45	0.00
HSTDCCC750	HSTDCCC750	05/19/2025	21:26	PS030288.D	7.45	0.00
PB168065BL	PB168065BL	05/19/2025	22:38	PS030291.D	7.45	0.00
PB168065BS	PB168065BS	05/19/2025	23:02	PS030292.D	7.45	0.00
PB167994TB	PB167994TB	05/19/2025	23:26	PS030293.D	7.45	0.00
B27-SOIL-SAMPLE	Q2027-03	05/19/2025	23:50	PS030294.D	7.45	0.00
B27-SOIL-SAMPLEMS	Q2027-03MS	05/20/2025	00:14	PS030295.D	7.45	0.00
B27-SOIL-SAMPLEMSD	Q2027-03MSD	05/20/2025	00:38	PS030296.D	7.45	0.00
B28-SOIL-SAMPLE	Q2027-04	05/20/2025	01:03	PS030297.D	7.45	0.00
1.BLK	1.BLK	05/20/2025	01:51	PS030299.D	7.45	0.00
HSTDCCC750	HSTDCCC750	05/20/2025	02:15	PS030300.D	7.45	0.00

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

B27-SOIL-SAMPLEMS

Contract: SCAL01

Lab Code: CHEM

Case No.: Q2027

SAS No.: Q2027

SDG NO.: Q2027

Lab Sample ID: Q2027-03MS

Date(s) Analyzed: 05/20/2025

05/20/2025

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	8.01	7.96	8.06	56.4	1.2
	2	8.64	8.59	8.69	57.1	
2,4,5-TP(Silvex)	1	8.85	8.80	8.90	52.7	3
	2	9.52	9.47	9.57	54.3	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

B27-SOIL-SAMPLEMSD

Contract: SCAL01

Lab Code: CHEM Case No.: Q2027

SAS No.: Q2027

SDG NO.: Q2027

Lab Sample ID: Q2027-03MSD

Date(s) Analyzed: 05/20/2025 05/20/2025

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	8.01	7.96	8.06	56.5	0.7
	2	8.64	8.59	8.69	56.9	
2,4,5-TP(Silvex)	1	8.85	8.80	8.90	52.6	2.4
	2	9.52	9.47	9.57	53.9	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB168065BS

Contract: SCAL01

Lab Code: CHEM Case No.: Q2027

SAS No.: Q2027

SDG NO.: Q2027

Lab Sample ID: PB168065BS

Date(s) Analyzed: 05/19/2025 05/19/2025

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	8.01	7.96	8.06	5.20	1.9
	2	8.64	8.59	8.69	5.10	
2,4,5-TP(Silvex)	1	8.85	8.80	8.90	5.20	0
	2	9.52	9.47	9.57	5.20	



QC SAMPLE DATA

Report of Analysis

Client:	Scalamandre – Tully JV	Date Collected:	
Project:	NYC DOT Harper Street Yard North	Date Received:	
Client Sample ID:	PB168065BL	SDG No.:	Q2027
Lab Sample ID:	PB168065BL	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
PS030291.D	1	05/19/25 09:15	05/19/25 22:38	PB168065

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	459		39 - 175	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\PS051925\
 Data File : PS030291.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 May 2025 22:38
 Operator : AR\AJ
 Sample : PB168065BL
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 PB168065BL

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 20 05:47:02 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
 Quant Title : 8080.M
 QLast Update : Mon May 12 14:29:24 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

4) S	2,4-DCAA	6.930	7.450	1308.2E6	343.8E6	459.362	429.595
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Target Compounds

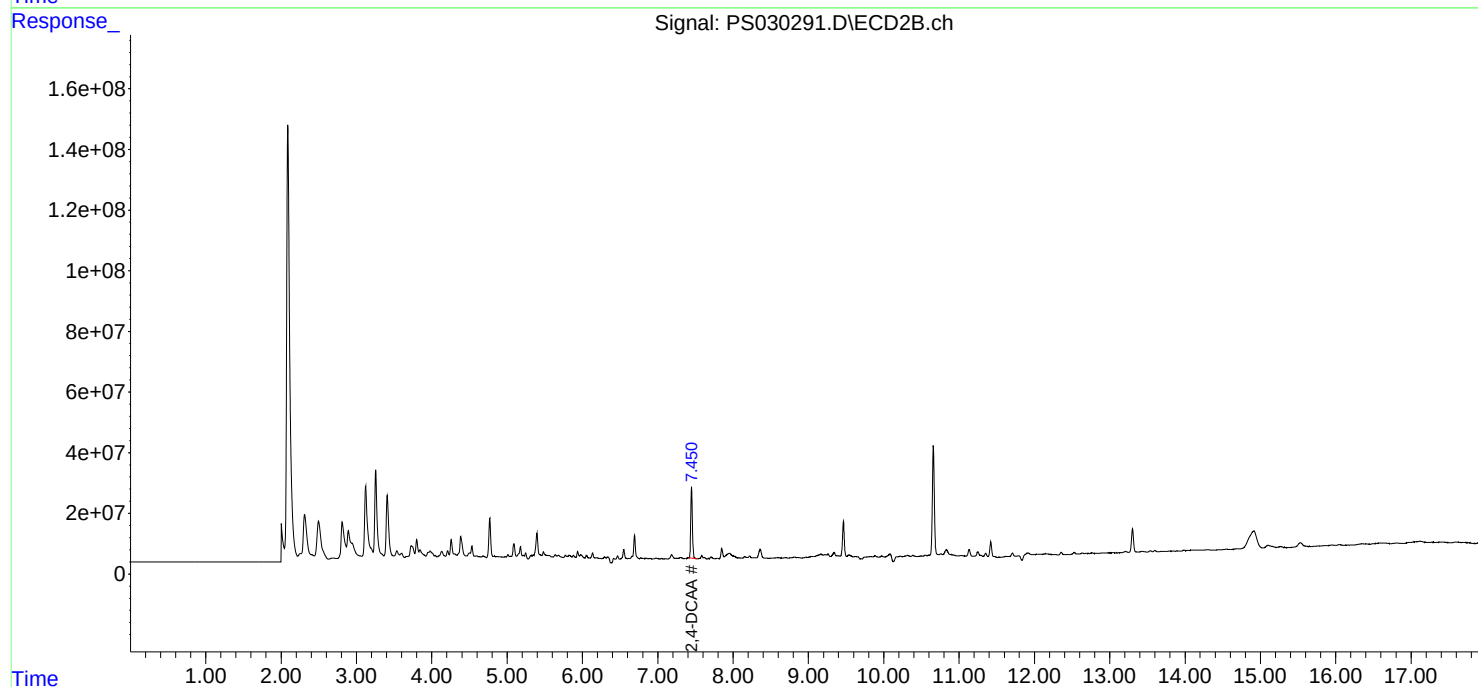
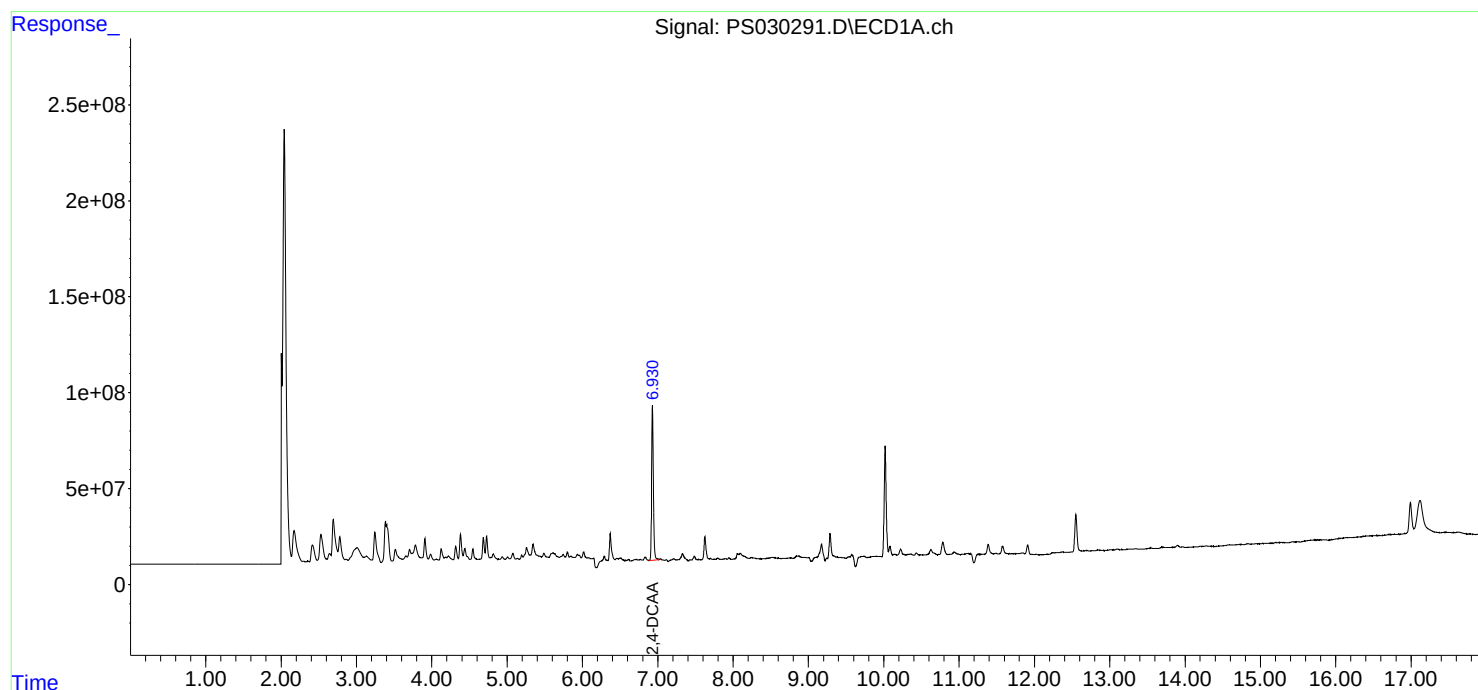
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

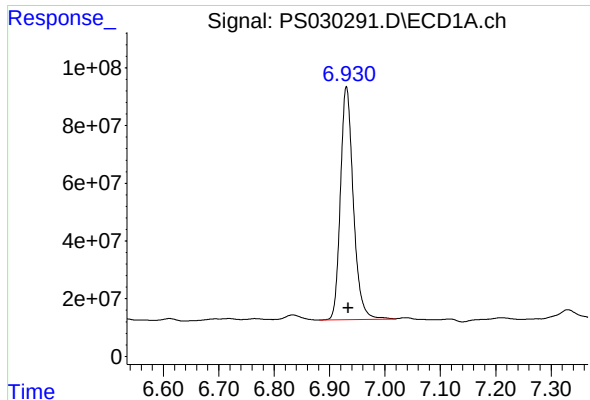
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051925\
Data File : PS030291.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 22:38
Operator : AR\AJ
Sample : PB168065BL
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
PB168065BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 20 05:47:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
Quant Title : 8080.M
QLast Update : Mon May 12 14:29:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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

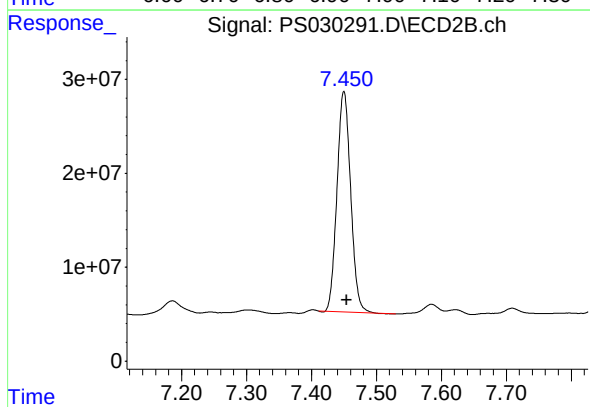




#4 2,4-DCAA

R.T.: 6.930 min
Delta R.T.: -0.003 min
Response: 1308175189
Conc: 459.36 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB168065BL



#4 2,4-DCAA

R.T.: 7.450 min
Delta R.T.: -0.004 min
Response: 343763630
Conc: 429.60 ng/ml

Report of Analysis

Client:	Scalamandre – Tully JV	Date Collected:	05/12/25
Project:	NYC DOT Harper Street Yard North	Date Received:	05/12/25
Client Sample ID:	PIBLK-PS030124.D	SDG No.:	Q2027
Lab Sample ID:	I.BLK-PS030124.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
PS030124.D	1		05/12/25	PS051225

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	419		39 - 175	84%	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\PS051225\
Data File : PS030124.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 May 2025 12:06
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: May 12 14:30:04 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
Quant Title : 8080.M
QLast Update : Mon May 12 14:29:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
4) S 2,4-DCAA	6.934	7.454	1194.2E6	334.3E6	419.337	417.753

Target Compounds

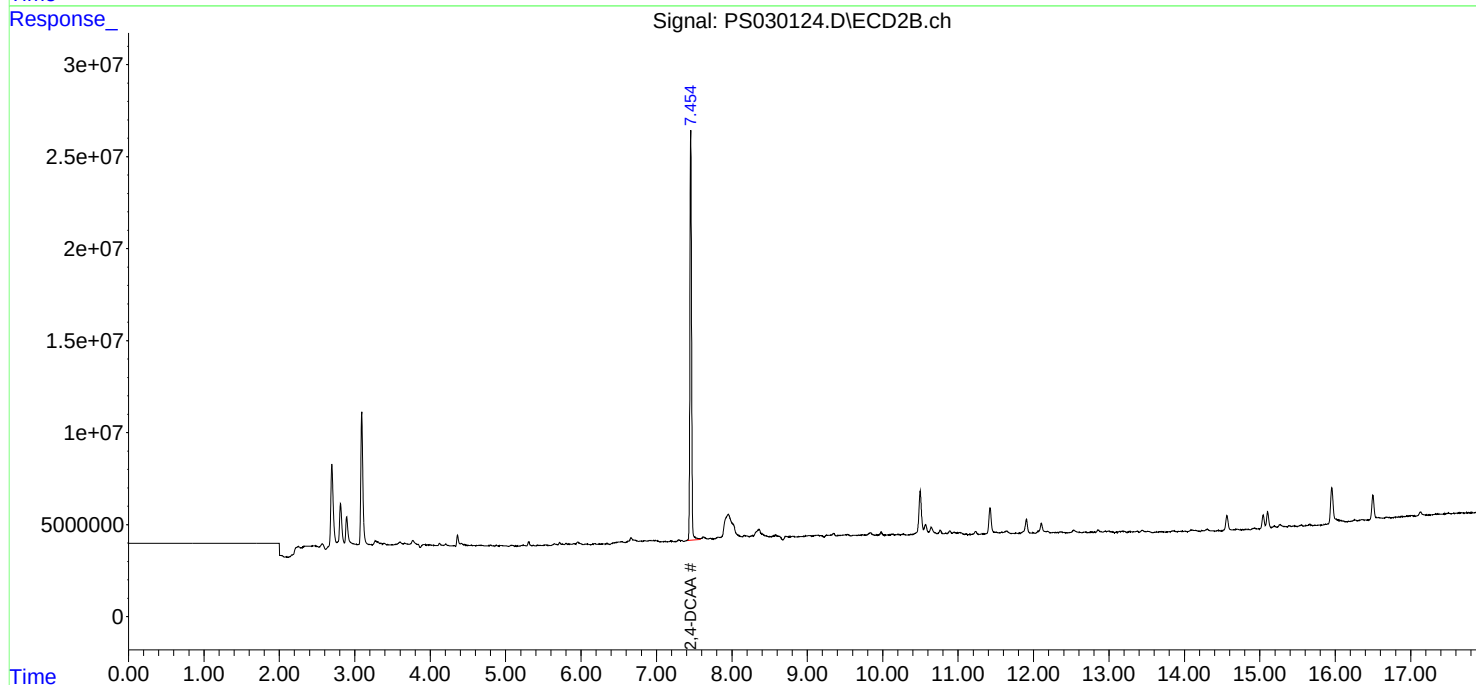
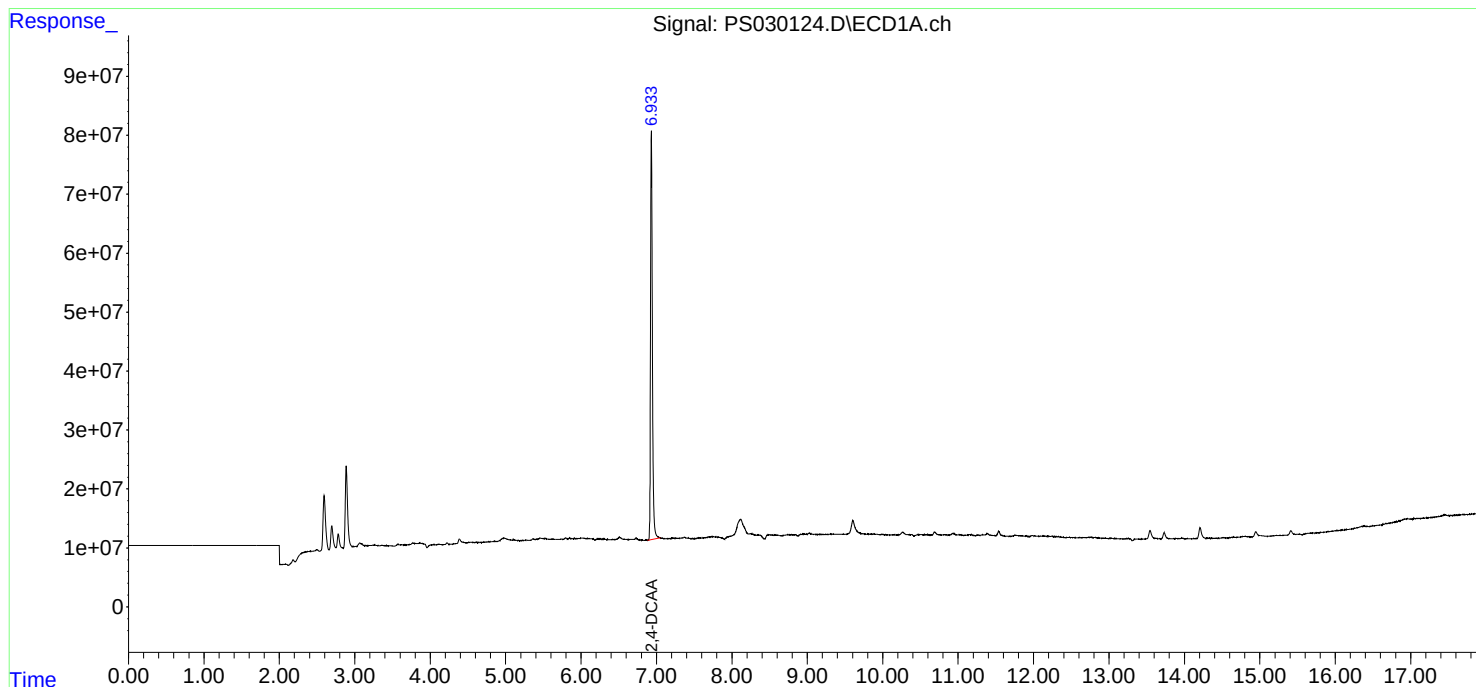
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

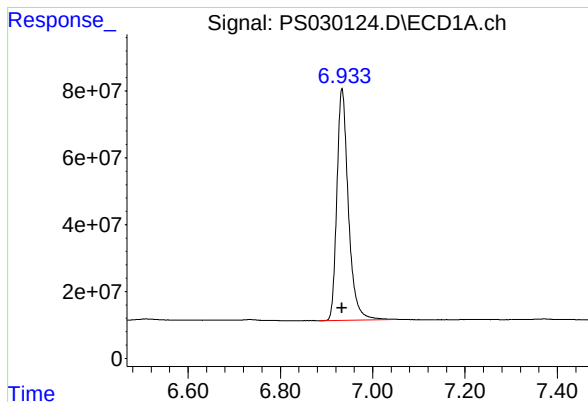
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051225\
Data File : PS030124.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 May 2025 12:06
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 14:30:04 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
Quant Title : 8080.M
QLast Update : Mon May 12 14:29:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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

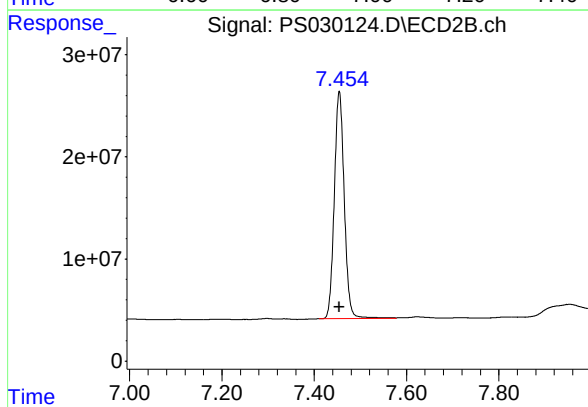




#4 2,4-DCAA

R.T.: 6.934 min
Delta R.T.: 0.000 min
Response: 1194190207
Conc: 419.34 ng/ml

Instrument :
ECD_S
ClientSampleId :
I.BLK



#4 2,4-DCAA

R.T.: 7.454 min
Delta R.T.: 0.000 min
Response: 334287239
Conc: 417.75 ng/ml

Report of Analysis

Client:	Scalamandre – Tully JV	Date Collected:	05/19/25
Project:	NYC DOT Harper Street Yard North	Date Received:	05/19/25
Client Sample ID:	PIBLK-PS030287.D	SDG No.:	Q2027
Lab Sample ID:	I.BLK-PS030287.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
PS030287.D	1		05/19/25	PS051925

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	463		39 - 175	93%	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\PS051925\
Data File : PS030287.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 21:02
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: May 20 05:45:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
Quant Title : 8080.M
QLast Update : Mon May 12 14:29:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds

4) S	2,4-DCAA	6.931	7.450	1317.2E6	369.8E6	462.540	462.191
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Target Compounds

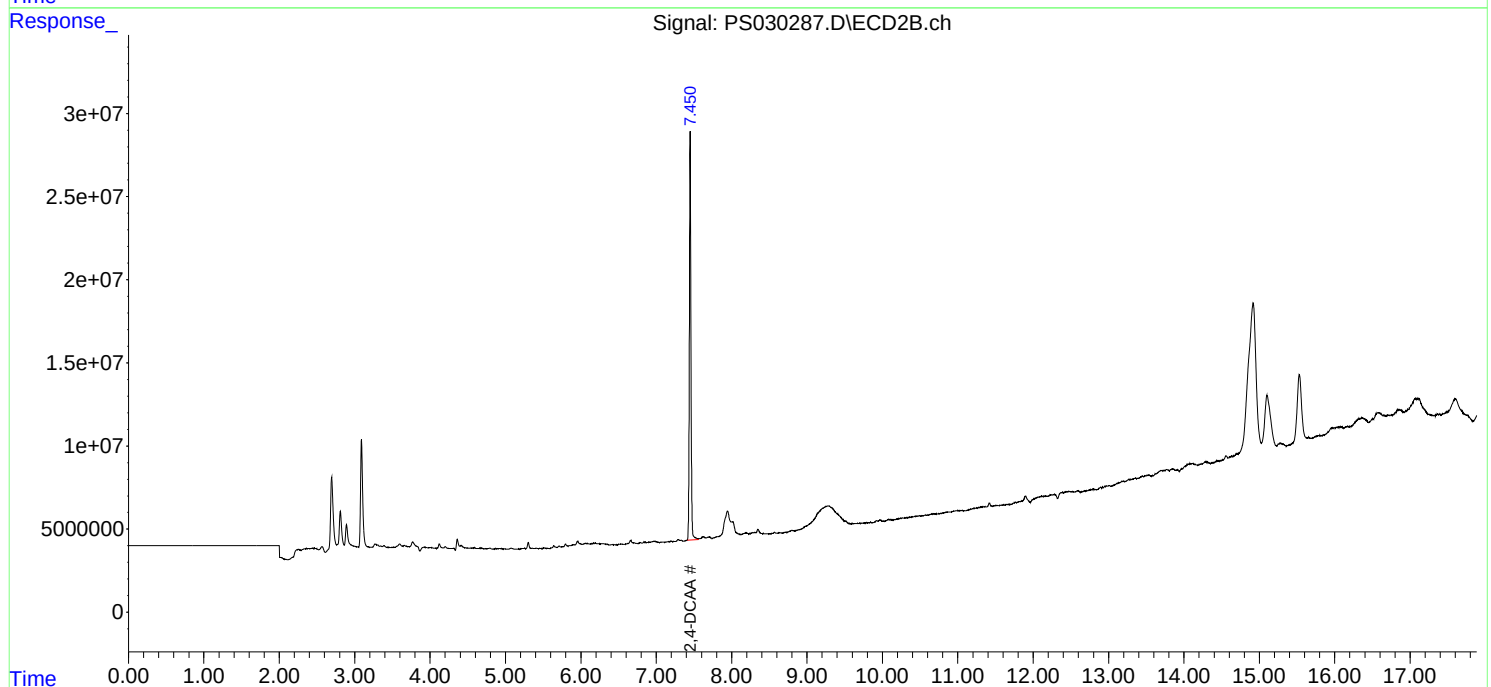
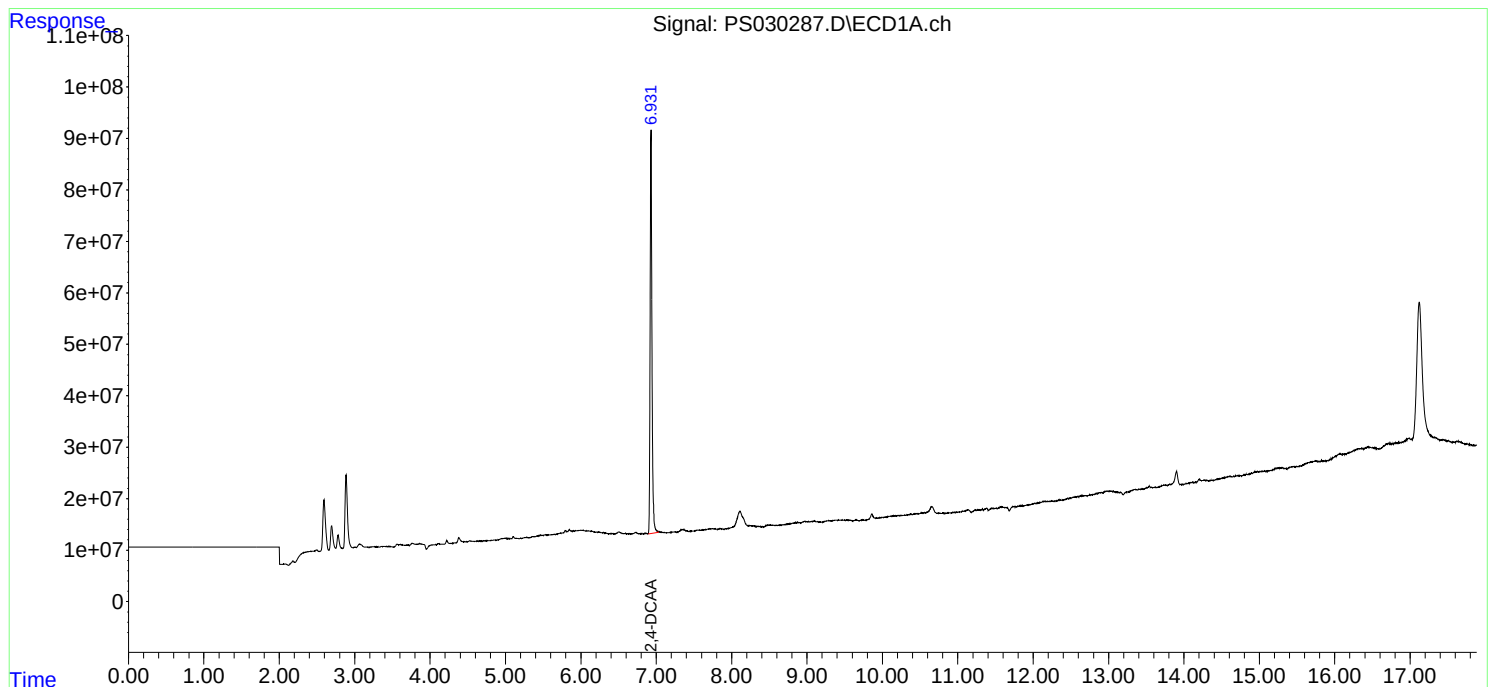
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

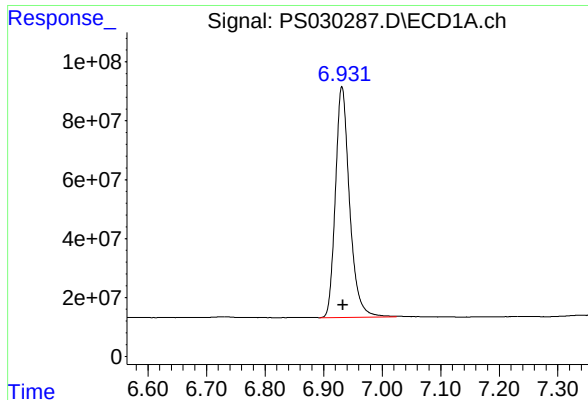
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051925\
Data File : PS030287.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 21:02
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 20 05:45:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
Quant Title : 8080.M
QLast Update : Mon May 12 14:29:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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





#4 2,4-DCAA

R.T.: 6.931 min

Delta R.T.: -0.002 min

Response: 1317224645

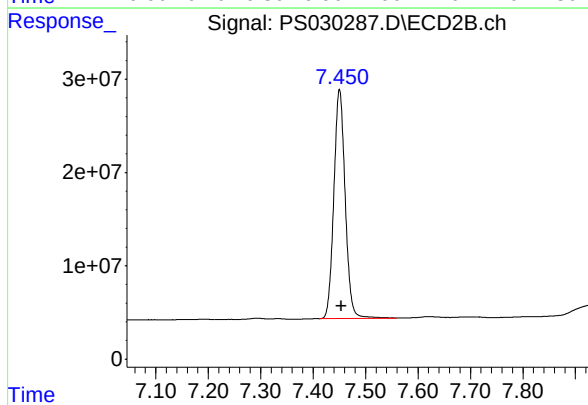
Conc: 462.54 ng/ml

Instrument :

ECD_S

ClientSampleId :

I.BLK



#4 2,4-DCAA

R.T.: 7.450 min

Delta R.T.: -0.003 min

Response: 369846961

Conc: 462.19 ng/ml

Report of Analysis

Client:	Scalamandre – Tully JV	Date Collected:	05/20/25
Project:	NYC DOT Harper Street Yard North	Date Received:	05/20/25
Client Sample ID:	PIBLK-PS030299.D	SDG No.:	Q2027
Lab Sample ID:	I.BLK-PS030299.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
PS030299.D	1		05/20/25	PS051925

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	469		39 - 175	94%	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\PS051925\
 Data File : PS030299.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 20 May 2025 01:51
 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: May 20 05:50:41 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
 Quant Title : 8080.M
 QLast Update : Mon May 12 14:29:24 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds

4) S	2,4-DCAA	6.930	7.450	1336.2E6	370.6E6	469.204	463.150
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Target Compounds

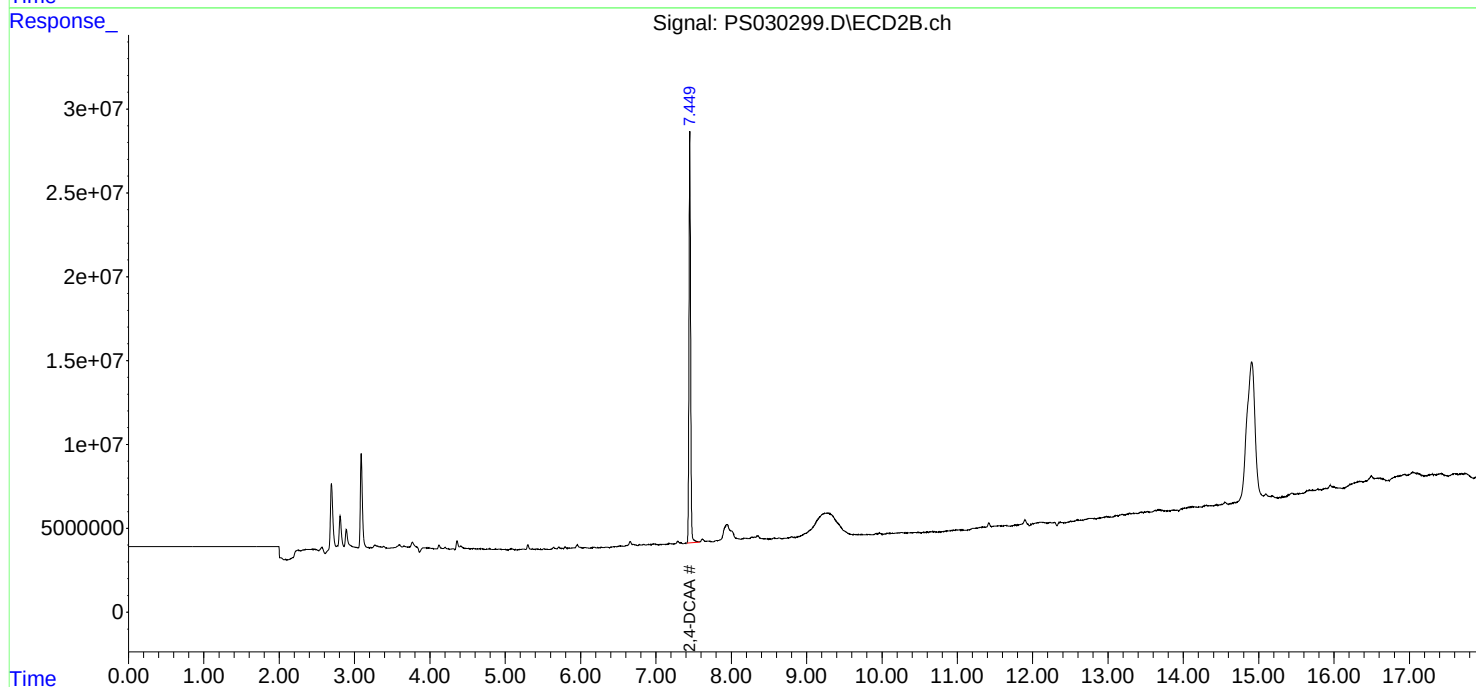
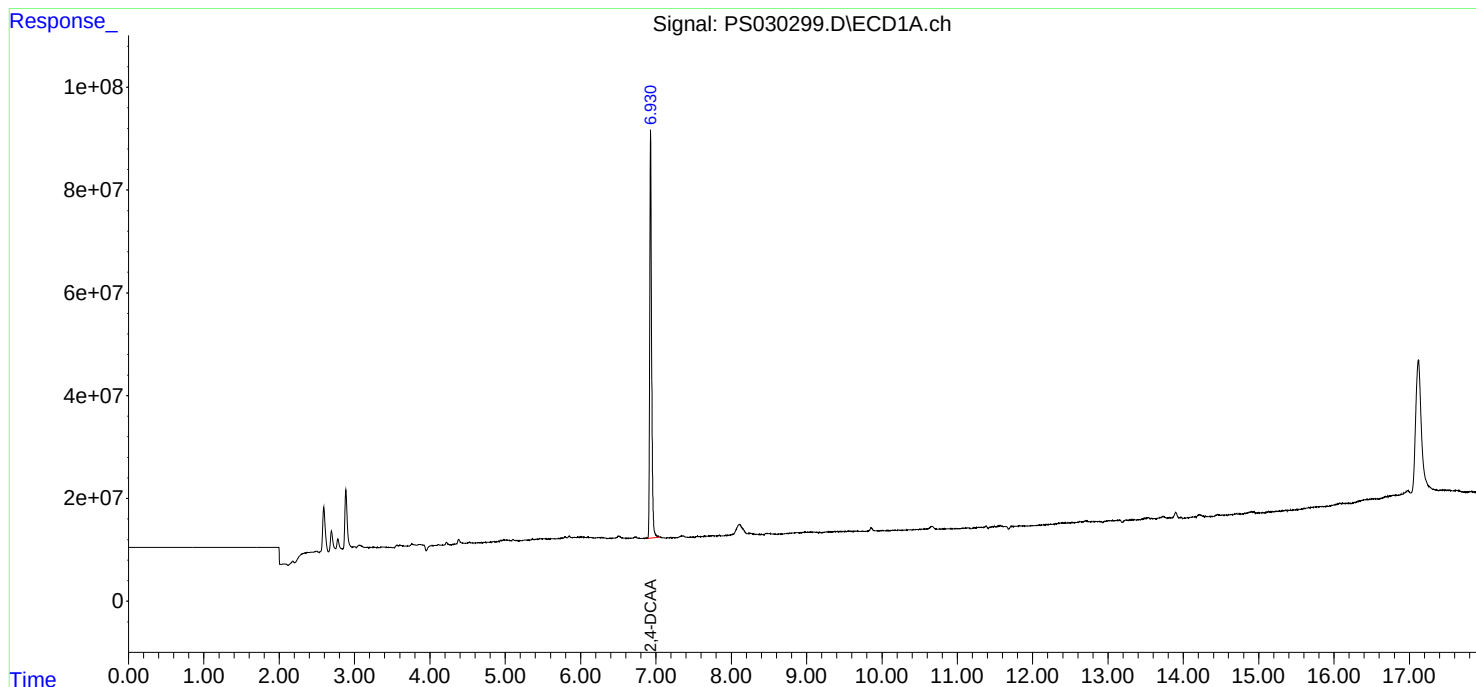
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

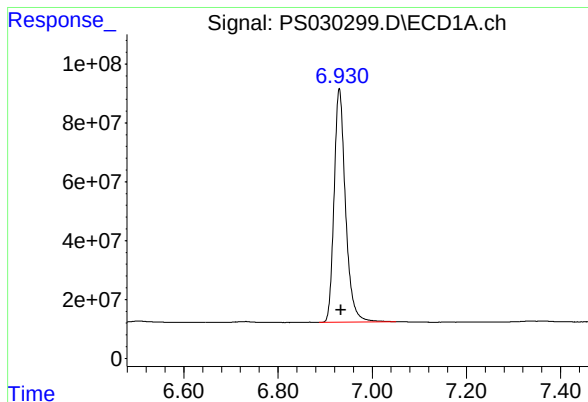
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051925\
Data File : PS030299.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 May 2025 01:51
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 20 05:50:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
Quant Title : 8080.M
QLast Update : Mon May 12 14:29:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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

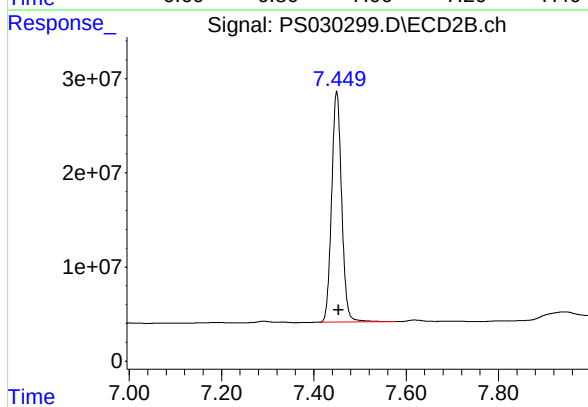




#4 2,4-DCAA

R.T.: 6.930 min
Delta R.T.: -0.003 min
Response: 1336201800
Conc: 469.20 ng/ml

Instrument :
ECD_S
ClientSampleId :
I.BLK



#4 2,4-DCAA

R.T.: 7.450 min
Delta R.T.: -0.004 min
Response: 370614284
Conc: 463.15 ng/ml

Report of Analysis

Client:	Scalamandre – Tully JV	Date Collected:	
Project:	NYC DOT Harper Street Yard North	Date Received:	
Client Sample ID:	PB168065BS	SDG No.:	Q2027
Lab Sample ID:	PB168065BS	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
PS030292.D	1	05/19/25 09:15	05/19/25 23:02	PB168065

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	5.20		0.92	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	5.20		0.78	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	548		39 - 175	110%	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\PS051925\
 Data File : PS030292.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 May 2025 23:02
 Operator : AR\AJ
 Sample : PB168065BS
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

PB168065BS

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 05/20/2025

Supervised By :mohammad ahmed 05/21/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 20 05:47:26 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
 Quant Title : 8080.M
 QLast Update : Mon May 12 14:29:24 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
4) S	2,4-DCAA	6.931	7.450	1559.4E6	428.3E6	547.593	535.226
Target Compounds							
1) T	Dalapon	2.445	2.518	2439.3E6	974.8E6	496.254	479.966
2) T	3,5-DICHL...	6.136	6.450	2105.5E6	550.4E6	504.849	472.128
3) T	4-Nitroph...	6.721	6.985	1031.4E6	454.3E6	499.327	435.181
5) T	DICAMBA	7.107	7.635	5939.0E6	2389.1E6	513.874	505.310
6) T	MCP	7.285	7.742	377.2E6	89098149	51.793	48.429
7) T	MCPA	7.427	7.971	509.2E6	126.0E6	49.055	47.767
8) T	DICHLORPROP	7.787	8.327	1496.7E6	588.7E6	512.345	498.267
9) T	2,4-D	8.006	8.639	1700.5E6	660.8E6	518.625	512.029
10) T	Pentachlo...	8.283	9.139	21670.4E6	13129.8E6	535.061	531.896
11) T	2,4,5-TP ...	8.847	9.517	8455.4E6	5133.4E6	522.068	521.134
12) T	2,4,5-T	9.128	9.921	8723.7E6	4767.5E6	528.224	518.008
13) T	2,4-DB	9.686	10.479	1453.2E6	447.9E6	556.821	451.314
14) T	DINOSEB	10.847	10.852	5891.7E6	3475.2E6	515.169	508.668
15) T	Picloram	10.667	11.887	11338.0E6	7068.1E6	530.136	502.242m
16) T	DCPA	11.148	11.886	10495.7E6	7200.1E6	527.120	532.924m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051925\
Data File : PS030292.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 23:02
Operator : AR\AJ
Sample : PB168065BS
Misc :
ALS Vial : 30 Sample Multiplier: 1

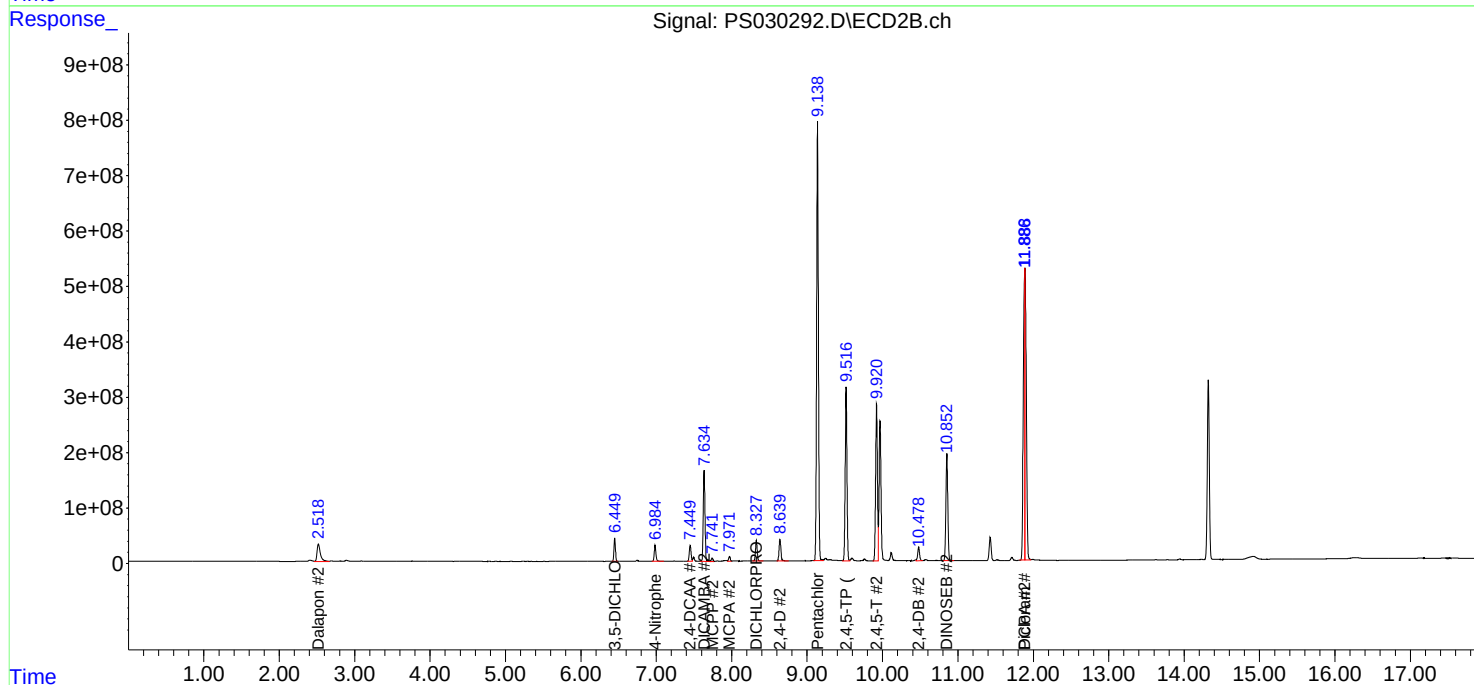
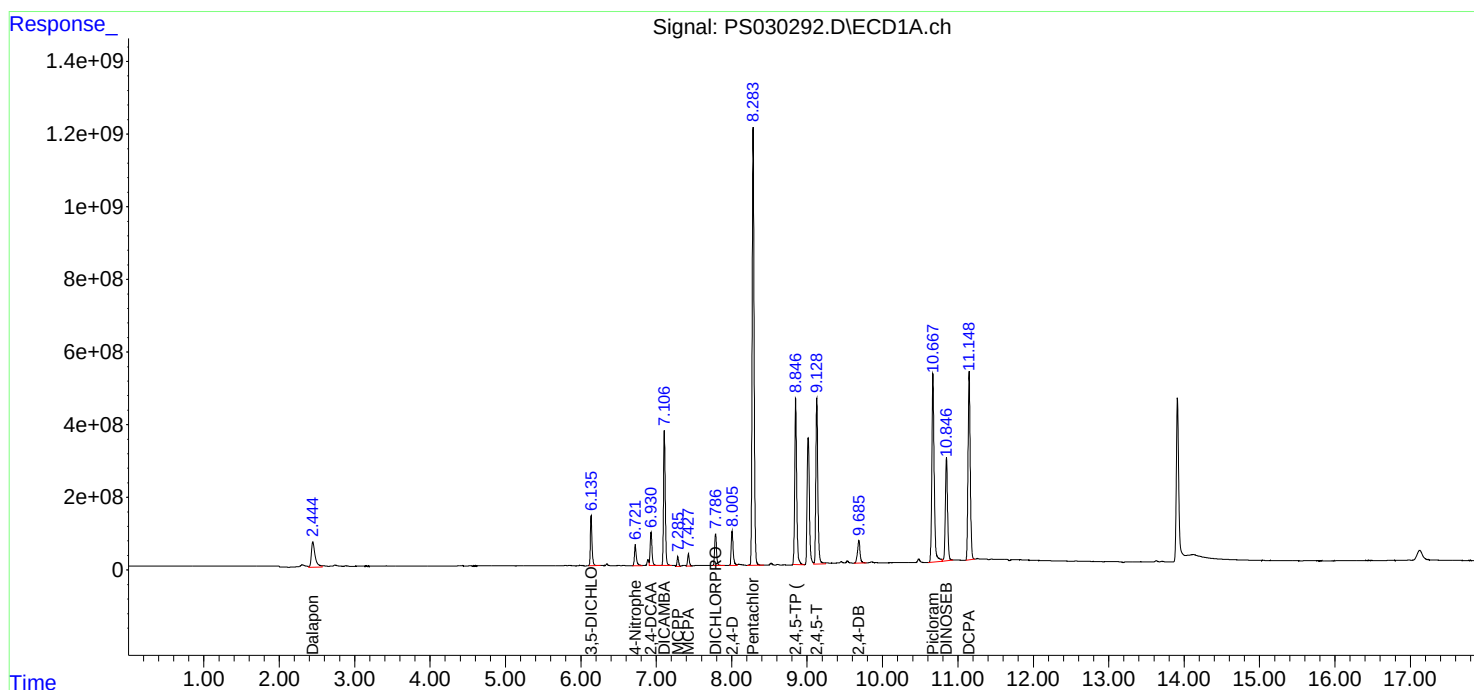
Instrument :
ECD_S
ClientSampleId :
PB168065BS

Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 05/20/2025
Supervised By : mohammad ahmed 05/21/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 20 05:47:26 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
Quant Title : 8080.M
QLast Update : Mon May 12 14:29:24 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



Report of Analysis

Client:	Scalamandre – Tully JV	Date Collected:	05/12/25
Project:	NYC DOT Harper Street Yard North	Date Received:	05/13/25
Client Sample ID:	B27-SOIL-SAMPLEMS	SDG No.:	Q2027
Lab Sample ID:	Q2027-03MS	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
PS030295.D	1	05/19/25 09:15	05/20/25 00:14	PB168065

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	57.1		9.20	20.0	ug/L
93-72-1	2,4,5-TP (Silvex)	54.3		7.80	20.0	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	508		39 - 175	102%	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\PS051925\
 Data File : PS030295.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 20 May 2025 00:14
 Operator : AR\AJ
 Sample : Q2027-03MS
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 B27-SOIL-SAMPLEMS

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 05/20/2025
 Supervised By :mohammad ahmed 05/21/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 20 05:48:45 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
 Quant Title : 8080.M
 QLast Update : Mon May 12 14:29:24 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
4) S	2,4-DCAA	6.931	7.450	1448.0E6	398.1E6	508.467	497.467
Target Compounds							
1) T	Dalapon	2.444	2.516	1865.8E6	1476.0E6	379.588	726.716 #
2) T	3,5-DICHL...	6.136	6.450	2073.4E6	558.3E6	497.149	478.912
3) T	4-Nitroph...	6.726	6.987	27333126	9700357	13.232	9.291 #
5) T	DICAMBA	7.107	7.635	5139.6E6	2260.2E6	444.700	478.049
6) T	MCPD	7.284	7.742	608.8E6	77174247	83.599	41.948 #
7) T	MCPA	7.427	7.970	477.5E6	155.0E6	45.999	58.750m#
8) T	DICHLORPROP	7.787	8.327	1457.4E6	636.7E6	498.864	538.899
9) T	2,4-D	8.006	8.639	1848.5E6	737.5E6	563.738	571.473
10) T	Pentachlo...	8.284	9.139	20726.9E6	12512.9E6	511.765	506.906
11) T	2,4,5-TP ...	8.847	9.517	8530.7E6	5345.2E6	526.716	542.632
12) T	2,4,5-T	9.129	9.921	8335.7E6	4697.9E6	504.730	510.444
13) T	2,4-DB	9.687	10.479	1240.0E6	433.7E6	475.152	436.993
14) T	DINOSEB	10.847	10.853	4680.0E6	3134.9E6	409.220	458.853
15) T	Picloram	10.667	11.886	9269.2E6	6521.4E6	433.405	463.393m
16) T	DCPA	11.149	11.884	9595.9E6	6571.3E6	481.929	486.382m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051925\
Data File : PS030295.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 May 2025 00:14
Operator : AR\AJ
Sample : Q2027-03MS
Misc :
ALS Vial : 33 Sample Multiplier: 1

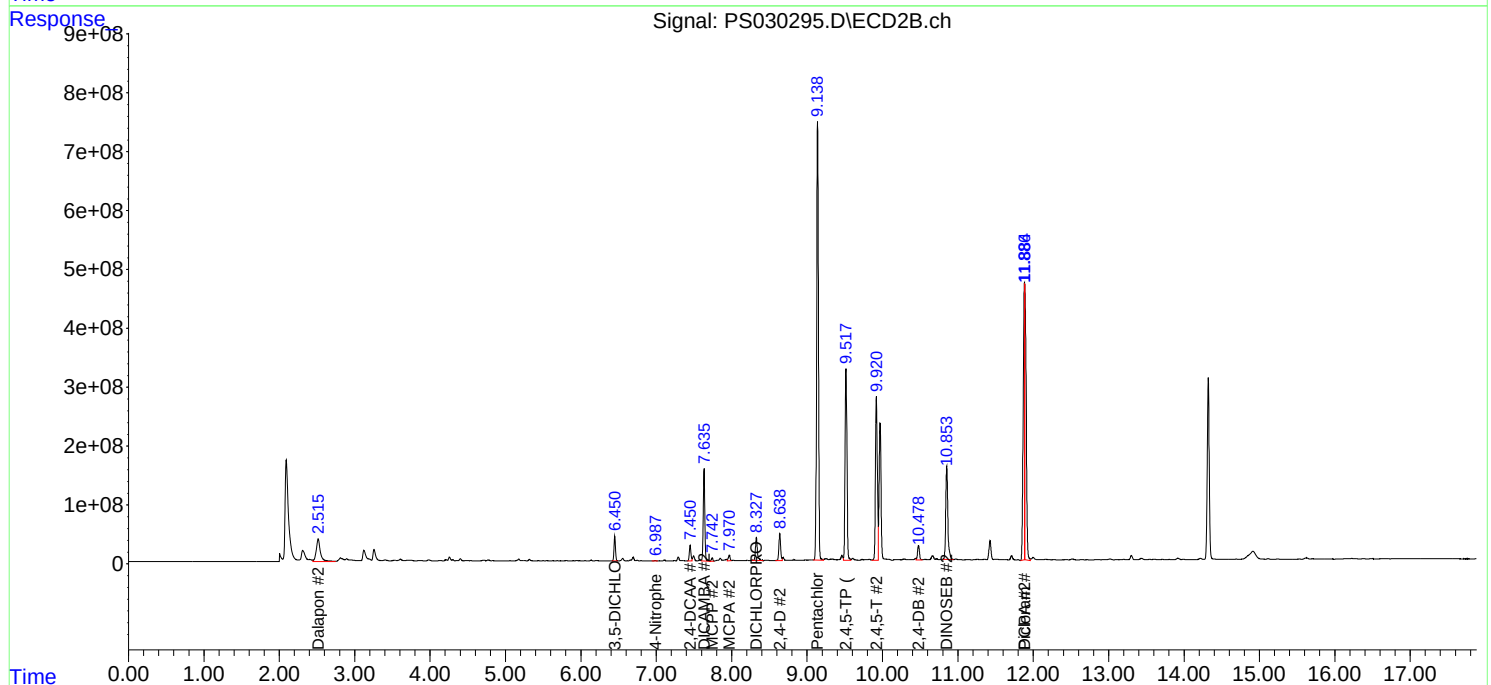
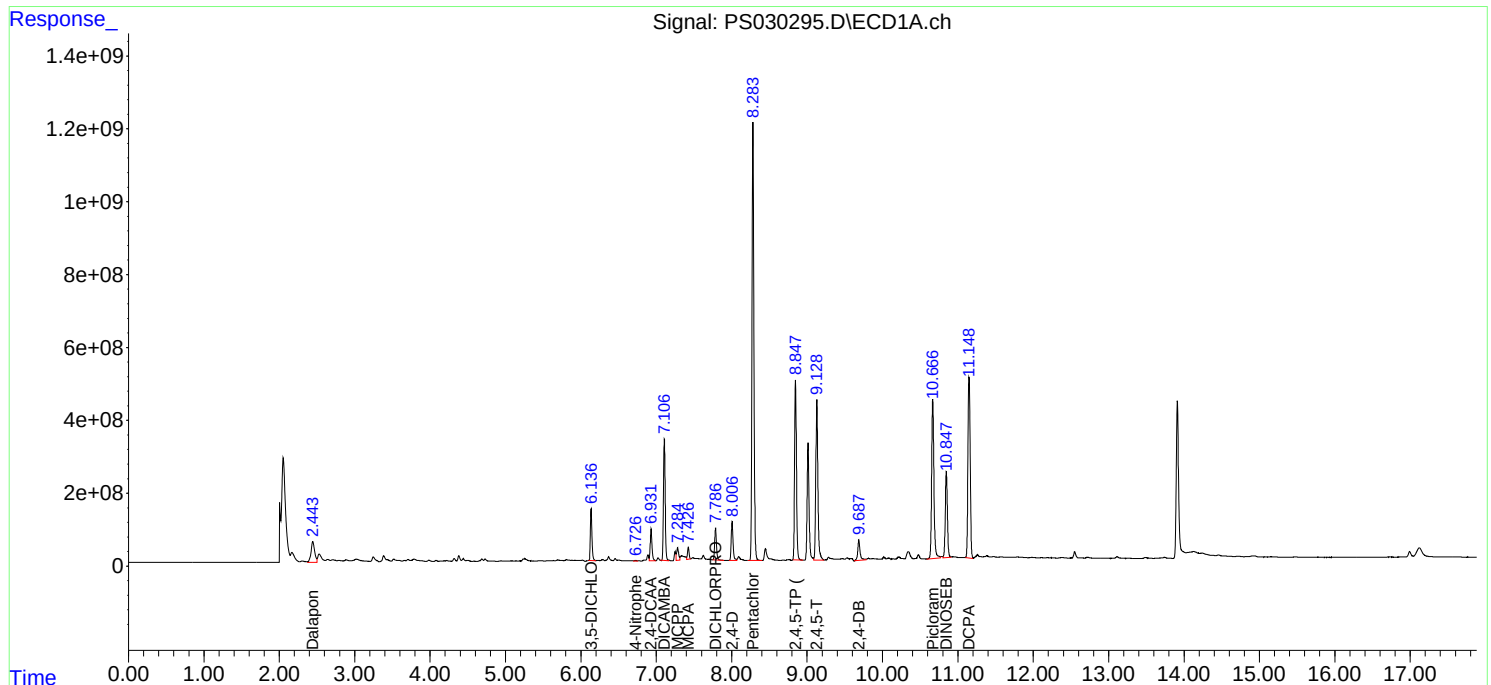
Instrument :
ECD_S
ClientSampleId :
B27-SOIL-SAMPLEMS

Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 05/20/2025
Supervised By : mohammad ahmed 05/21/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 20 05:48:45 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
Quant Title : 8080.M
QLast Update : Mon May 12 14:29:24 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



Report of Analysis

Client:	Scalamandre – Tully JV	Date Collected:	05/12/25
Project:	NYC DOT Harper Street Yard North	Date Received:	05/13/25
Client Sample ID:	B27-SOIL-SAMPLEMSD	SDG No.:	Q2027
Lab Sample ID:	Q2027-03MSD	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
PS030296.D	1	05/19/25 09:15	05/20/25 00:38	PB168065

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	56.9		9.20	20.0	ug/L
93-72-1	2,4,5-TP (Silvex)	53.9		7.80	20.0	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	510		39 - 175	102%	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\PS051925\
 Data File : PS030296.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 20 May 2025 00:38
 Operator : AR\AJ
 Sample : Q2027-03MSD
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 B27-SOIL-SAMPLEMSD

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 05/20/2025
 Supervised By : mohammad ahmed 05/21/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 20 05:49:15 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
 Quant Title : 8080.M
 QLast Update : Mon May 12 14:29:24 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
4) S	2,4-DCAA	6.931	7.450	1451.5E6	396.5E6	509.696	495.540
Target Compounds							
1) T	Dalapon	2.444	2.516	1860.9E6	1447.8E6	378.579	712.854 #
2) T	3,5-DICHL...	6.136	6.450	2066.2E6	555.5E6	495.417	476.474
3) T	4-Nitroph...	6.725	6.986	25581872	9461219	12.385	9.062 #
5) T	DICAMBA	7.106	7.635	5153.1E6	2258.3E6	445.869	477.651
6) T	MCPD	7.284	7.742	599.4E6	76224570	82.309	41.432 #
7) T	MCPA	7.426	7.968	477.4E6	145.2E6	45.990	55.066m
8) T	DICHLORPROP	7.786	8.327	1454.5E6	626.0E6	497.878	529.859
9) T	2,4-D	8.005	8.639	1854.2E6	734.0E6	565.482	568.737
10) T	Pentachlo...	8.283	9.138	20557.9E6	12341.2E6	507.593	499.947
11) T	2,4,5-TP ...	8.846	9.517	8520.7E6	5304.4E6	526.100	538.497
12) T	2,4,5-T	9.128	9.920	8351.3E6	4678.1E6	505.674	508.291
13) T	2,4-DB	9.687	10.478	1245.2E6	436.7E6	477.115	440.087
14) T	DINOSEB	10.846	10.852	4596.5E6	3065.3E6	401.918	448.674
15) T	Picloram	10.666	11.889	9313.5E6	5606.5E6	435.478	398.382m
16) T	DCPA	11.148	11.884	9592.4E6	6667.3E6	481.754	493.489m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051925\
Data File : PS030296.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 May 2025 00:38
Operator : AR\AJ
Sample : Q2027-03MSD
Misc :
ALS Vial : 34 Sample Multiplier: 1

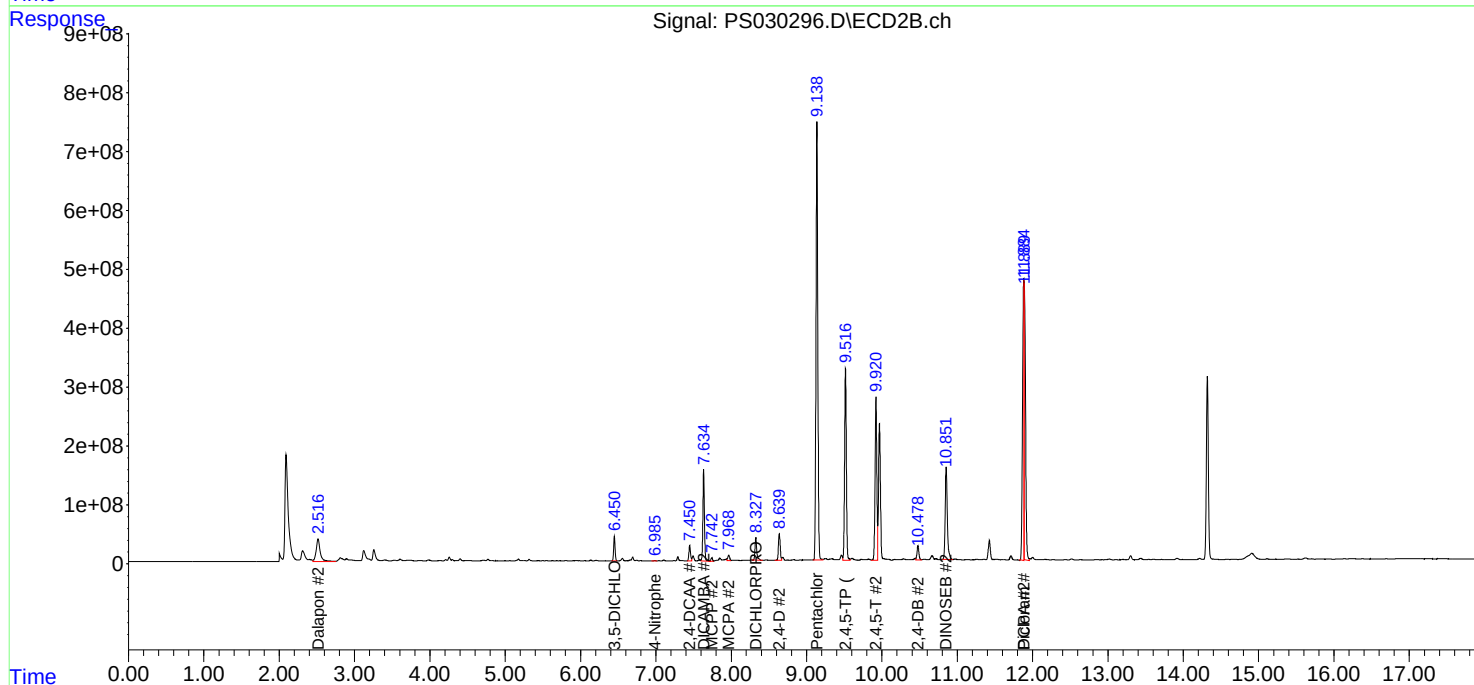
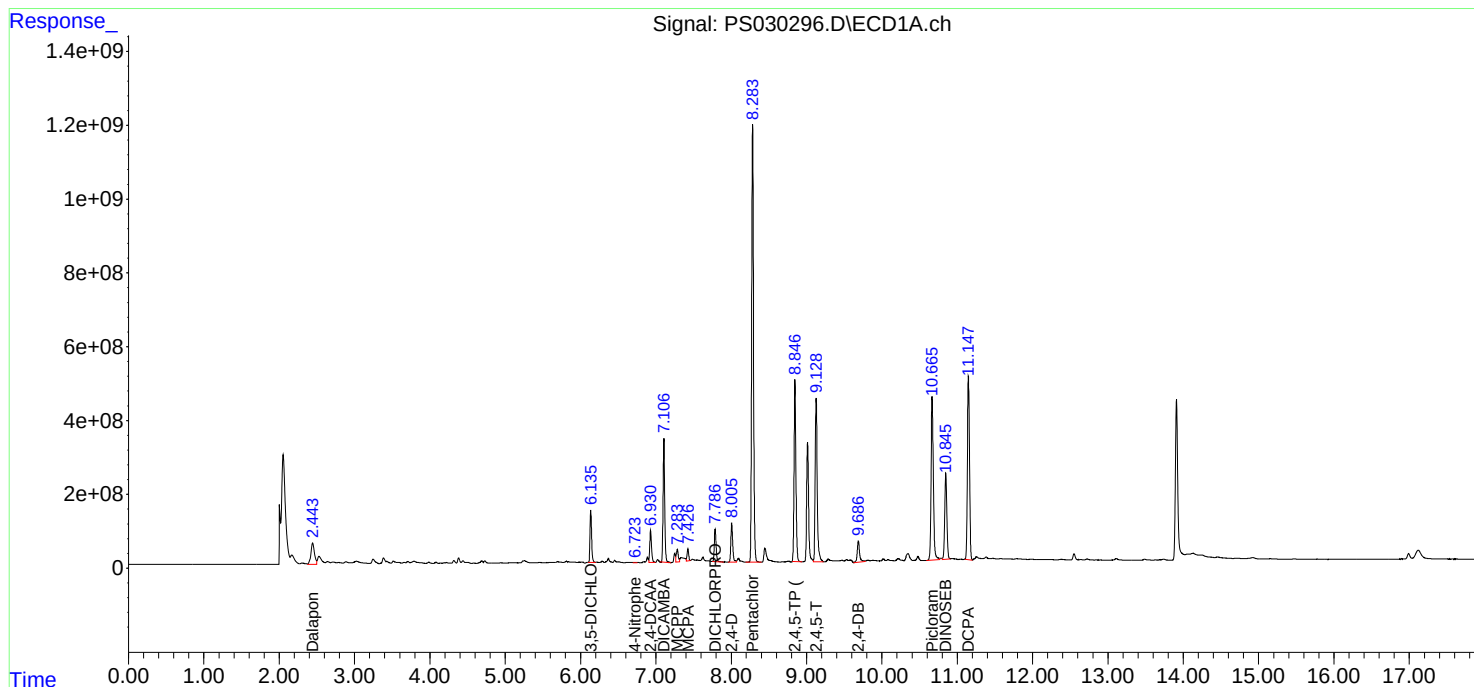
Instrument :
ECD_S
ClientSampleId :
B27-SOIL-SAMPLEMSD

Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 05/20/2025
Supervised By : mohammad ahmed 05/21/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 20 05:49:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
Quant Title : 8080.M
QLast Update : Mon May 12 14:29:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Manual Integration Report

Sequence:

PS051225

Instrument

ECD_s

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
HSTDICC200	PS030125.D	DCPA #2	Abdul	5/13/2025 9:33:45 AM	mohammad	5/14/2025 5:13:40	Peak Integrated by Software
HSTDICC200	PS030125.D	Picloram #2	Abdul	5/13/2025 9:33:45 AM	mohammad	5/14/2025 5:13:40	Peak Integrated by Software
HSTDICC500	PS030126.D	DCPA #2	Abdul	5/13/2025 9:33:50 AM	mohammad	5/14/2025 5:13:40	Peak Integrated by Software
HSTDICC500	PS030126.D	Picloram #2	Abdul	5/13/2025 9:33:50 AM	mohammad	5/14/2025 5:13:40	Peak Integrated by Software
HSTDICC750	PS030127.D	DCPA #2	Abdul	5/13/2025 9:33:54 AM	mohammad	5/14/2025 5:13:40	Peak Integrated by Software
HSTDICC750	PS030127.D	Picloram #2	Abdul	5/13/2025 9:33:54 AM	mohammad	5/14/2025 5:13:40	Peak Integrated by Software
HSTDICC1000	PS030128.D	DCPA #2	Abdul	5/13/2025 9:33:58 AM	mohammad	5/14/2025 5:13:40	Peak Integrated by Software
HSTDICC1000	PS030128.D	Picloram #2	Abdul	5/13/2025 9:33:58 AM	mohammad	5/14/2025 5:13:40	Peak Integrated by Software
HSTDICC1500	PS030129.D	DCPA #2	Abdul	5/13/2025 9:34:03 AM	mohammad	5/14/2025 5:13:40	Peak Integrated by Software
HSTDICC1500	PS030129.D	Picloram #2	Abdul	5/13/2025 9:34:03 AM	mohammad	5/14/2025 5:13:40	Peak Integrated by Software
HSTDICV750	PS030130.D	DCPA #2	Abdul	5/13/2025 9:34:08 AM	mohammad	5/14/2025 5:13:40	Peak Integrated by Software
HSTDICV750	PS030130.D	Picloram #2	Abdul	5/13/2025 9:34:08 AM	mohammad	5/14/2025 5:13:40	Peak Integrated by Software
HSTDCCC750	PS030132.D	DCPA #2	Abdul	5/13/2025 9:34:12 AM	mohammad	5/14/2025 5:13:40	Peak Integrated by Software

Manual Integration Report

Sequence:

PS051225

Instrument

ECD_s

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
HSTDCCC750	PS030132.D	Picloram #2	Abdul	5/13/2025 9:34:12 AM	mohammad	5/14/2025 5:13:40	Peak Integrated by Software
HSTDCCC750	PS030138.D	DCPA #2	Abdul	5/13/2025 9:34:34 AM	mohammad	5/14/2025 5:13:40	Peak Integrated by Software
HSTDCCC750	PS030138.D	Picloram #2	Abdul	5/13/2025 9:34:34 AM	mohammad	5/14/2025 5:13:40	Peak Integrated by Software
HSTDCCC750	PS030146.D	DCPA #2	Abdul	5/13/2025 9:35:02 AM	mohammad	5/14/2025 5:13:40	Peak Integrated by Software
HSTDCCC750	PS030146.D	Picloram #2	Abdul	5/13/2025 9:35:02 AM	mohammad	5/14/2025 5:13:40	Peak Integrated by Software

Manual Integration Report

Sequence:	PS051925	Instrument	ECD_s
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
HSTDCCC750	PS030259.D	DCPA #2	Abdul	5/20/2025 8:59:24 AM	 	 	Peak Integrated by Software
HSTDCCC750	PS030259.D	Picloram #2	Abdul	5/20/2025 8:59:24 AM	 	 	Peak Integrated by Software
HSTDCCC750	PS030264.D	DCPA #2	Abdul	5/20/2025 8:59:43 AM	 	 	Peak Integrated by Software
HSTDCCC750	PS030264.D	Picloram #2	Abdul	5/20/2025 8:59:43 AM	 	 	Peak Integrated by Software
HSTDCCC750	PS030276.D	DCPA #2	Abdul	5/20/2025 9:00:27 AM	 	 	Peak Integrated by Software
HSTDCCC750	PS030276.D	Picloram #2	Abdul	5/20/2025 9:00:27 AM	 	 	Peak Integrated by Software
HSTDCCC750	PS030288.D	DCPA #2	Abdul	5/20/2025 9:01:15 AM	 	 	Peak Integrated by Software
HSTDCCC750	PS030288.D	Picloram #2	Abdul	5/20/2025 9:01:15 AM	 	 	Peak Integrated by Software
PB168065BS	PS030292.D	DCPA #2	Abdul	5/20/2025 9:01:26 AM	 	 	Peak Integrated by Software
PB168065BS	PS030292.D	Picloram #2	Abdul	5/20/2025 9:01:26 AM	 	 	Peak Integrated by Software
PB167994TB	PS030293.D	2,4-DCAA #2	Abdul	5/20/2025 9:01:31 AM	 	 	Peak Integrated by Software
Q2027-03MS	PS030295.D	DCPA #2	Abdul	5/20/2025 9:01:36 AM	 	 	Peak Integrated by Software
Q2027-03MS	PS030295.D	MCPA #2	Abdul	5/20/2025 9:01:36 AM	 	 	Peak Integrated by Software

Manual Integration Report

Sequence:

PS051925

Instrument

ECD_s

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2027-03MS	PS030295.D	Picloram #2	Abdul	5/20/2025 9:01:36 AM	 	 	Peak Integrated by Software
Q2027-03MSD	PS030296.D	DCPA #2	Abdul	5/20/2025 9:01:41 AM	 	 	Peak Integrated by Software
Q2027-03MSD	PS030296.D	MCPA #2	Abdul	5/20/2025 9:01:41 AM	 	 	Peak Integrated by Software
Q2027-03MSD	PS030296.D	Picloram #2	Abdul	5/20/2025 9:01:41 AM	 	 	Peak Integrated by Software
HSTDCCC750	PS030300.D	DCPA #2	Abdul	5/20/2025 9:01:45 AM	 	 	Peak Integrated by Software
HSTDCCC750	PS030300.D	Picloram #2	Abdul	5/20/2025 9:01:45 AM	 	 	Peak Integrated by Software

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS051225

Review By	Abdul	Review On	5/13/2025 9:35:21 AM
Supervise By	mohammad	Supervise On	5/14/2025 5:13:40 AM
SubDirectory	PS051225	HP Acquire Method	HP Processing Method ps051225 8151
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24553,PP24554,PP24556,PP24557,PP24558,PP24559,PP24560		
CCC Internal Standard/PEM	PP24559		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24562		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PS030123.D	12 May 2025 11:42	AR\AJ	Ok
2	I.BLK	PS030124.D	12 May 2025 12:06	AR\AJ	Ok
3	HSTDICC200	PS030125.D	12 May 2025 12:30	AR\AJ	Ok,M
4	HSTDICC500	PS030126.D	12 May 2025 12:54	AR\AJ	Ok,M
5	HSTDICC750	PS030127.D	12 May 2025 13:18	AR\AJ	Ok,M
6	HSTDICC1000	PS030128.D	12 May 2025 13:42	AR\AJ	Ok,M
7	HSTDICC1500	PS030129.D	12 May 2025 14:06	AR\AJ	Ok,M
8	HSTDICV750	PS030130.D	12 May 2025 14:30	AR\AJ	Ok,M
9	I.BLK	PS030131.D	12 May 2025 14:54	AR\AJ	Ok
10	HSTDCCC750	PS030132.D	12 May 2025 15:18	AR\AJ	Ok,M
11	Q1972-01	PS030133.D	12 May 2025 15:42	AR\AJ	ReRun
12	Q1972-01RE	PS030134.D	12 May 2025 16:58	AR\AJ	Confirms
13	Q1972-05	PS030135.D	12 May 2025 17:46	AR\AJ	Ok,M
14	Q1972-05RE	PS030136.D	12 May 2025 18:10	AR\AJ	Not Ok
15	I.BLK	PS030137.D	12 May 2025 18:34	AR\AJ	Ok
16	HSTDCCC750	PS030138.D	12 May 2025 18:58	AR\AJ	Ok,M
17	PB167968BL	PS030139.D	12 May 2025 19:46	AR\AJ	Ok,M
18	PB167968BS	PS030140.D	12 May 2025 20:10	AR\AJ	Ok,M
19	PB167851TB	PS030141.D	12 May 2025 20:34	AR\AJ	Ok
20	Q1956-05	PS030142.D	12 May 2025 20:59	AR\AJ	Ok,M
21	Q1956-05MS	PS030143.D	12 May 2025 21:23	AR\AJ	Ok,M

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS051225

Review By	Abdul	Review On	5/13/2025 9:35:21 AM
Supervise By	mohammad	Supervise On	5/14/2025 5:13:40 AM
SubDirectory	PS051225	HP Acquire Method	HP Processing Method ps051225 8151
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24553,PP24554,PP24556,PP24557,PP24558,PP24559,PP24560		
CCC Internal Standard/PEM	PP24559		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24562		

22	Q1956-05MSD	PS030144.D	12 May 2025 21:47	AR\AJ	Ok,M
23	I.BLK	PS030145.D	12 May 2025 22:11	AR\AJ	Ok
24	HSTDCCC750	PS030146.D	12 May 2025 22:35	AR\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS051925

Review By	Abdul	Review On	5/20/2025 9:02:23 AM
Supervise By		Supervise On	
SubDirectory	PS051925	HP Acquire Method	HP Processing Method ps051225 8151
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24553,PP24554,PP24556,PP24557,PP24558,PP24559,PP24560		
CCC Internal Standard/PEM	PP24559		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24562		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PS030257.D	19 May 2025 08:30	AR\AJ	Ok
2	I.BLK	PS030258.D	19 May 2025 08:54	AR\AJ	Ok
3	HSTDCCC750	PS030259.D	19 May 2025 09:18	AR\AJ	Ok,NS
4	PB168030BL	PS030260.D	19 May 2025 10:12	AR\AJ	Ok
5	PB168030BS	PS030261.D	19 May 2025 10:36	AR\AJ	Ok,NS
6	Q2038-01	PS030262.D	19 May 2025 11:00	AR\AJ	Ok,NS
7	I.BLK	PS030263.D	19 May 2025 11:24	AR\AJ	Ok
8	HSTDCCC750	PS030264.D	19 May 2025 11:48	AR\AJ	Ok,NS
9	Q2034-01	PS030265.D	19 May 2025 12:12	AR\AJ	Ok,NS
10	Q2034-05	PS030266.D	19 May 2025 12:36	AR\AJ	Ok,NS
11	Q2034-09	PS030267.D	19 May 2025 13:00	AR\AJ	Ok,NS
12	Q2034-13	PS030268.D	19 May 2025 13:24	AR\AJ	Ok,NS
13	Q2034-17	PS030269.D	19 May 2025 13:48	AR\AJ	Ok,NS
14	Q2034-21	PS030270.D	19 May 2025 14:12	AR\AJ	Ok,NS
15	Q2048-01	PS030271.D	19 May 2025 14:36	AR\AJ	Ok,NS
16	Q2048-05	PS030272.D	19 May 2025 15:00	AR\AJ	Ok,NS
17	Q2048-09	PS030273.D	19 May 2025 15:24	AR\AJ	Ok,NS
18	Q2048-13	PS030274.D	19 May 2025 15:48	AR\AJ	Ok,NS
19	I.BLK	PS030275.D	19 May 2025 16:12	AR\AJ	Ok
20	HSTDCCC750	PS030276.D	19 May 2025 16:37	AR\AJ	Ok,NS
21	Q2052-01	PS030277.D	19 May 2025 17:01	AR\AJ	Ok,NS

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS051925

Review By	Abdul	Review On	5/20/2025 9:02:23 AM
Supervise By		Supervise On	
SubDirectory	PS051925	HP Acquire Method	HP Processing Method ps051225 8151
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24553,PP24554,PP24556,PP24557,PP24558,PP24559,PP24560		
CCC Internal Standard/PEM	PP24559		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24562		

22	Q2057-01	PS030278.D	19 May 2025 17:25	AR\AJ	Ok,NS
23	PB167996BL	PS030279.D	19 May 2025 17:49	AR\AJ	Ok,NS
24	PB167996BS	PS030280.D	19 May 2025 18:13	AR\AJ	Ok,NS
25	Q2032-01	PS030281.D	19 May 2025 18:37	AR\AJ	Ok,NS
26	Q2032-02	PS030282.D	19 May 2025 19:01	AR\AJ	Ok,NS
27	Q2032-03	PS030283.D	19 May 2025 19:25	AR\AJ	Ok,NS
28	Q2032-04	PS030284.D	19 May 2025 19:49	AR\AJ	Ok,NS
29	Q2032-05MS	PS030285.D	19 May 2025 20:13	AR\AJ	Ok,NS
30	Q2032-06MSD	PS030286.D	19 May 2025 20:38	AR\AJ	Ok,NS
31	I.BLK	PS030287.D	19 May 2025 21:02	AR\AJ	Ok
32	HSTDCCC750	PS030288.D	19 May 2025 21:26	AR\AJ	Ok,NS
33	Q2032-07	PS030289.D	19 May 2025 21:50	AR\AJ	Ok,NS
34	Q2032-08	PS030290.D	19 May 2025 22:14	AR\AJ	Ok,NS
35	PB168065BL	PS030291.D	19 May 2025 22:38	AR\AJ	Ok
36	PB168065BS	PS030292.D	19 May 2025 23:02	AR\AJ	Ok,NS
37	PB167994TB	PS030293.D	19 May 2025 23:26	AR\AJ	Ok,NS
38	Q2027-03	PS030294.D	19 May 2025 23:50	AR\AJ	Ok
39	Q2027-03MS	PS030295.D	20 May 2025 00:14	AR\AJ	Ok,NS
40	Q2027-03MSD	PS030296.D	20 May 2025 00:38	AR\AJ	Ok,NS
41	Q2027-04	PS030297.D	20 May 2025 01:03	AR\AJ	Ok
42	Q2032-09	PS030298.D	20 May 2025 01:27	AR\AJ	Ok
43	I.BLK	PS030299.D	20 May 2025 01:51	AR\AJ	Ok
44	HSTDCCC750	PS030300.D	20 May 2025 02:15	AR\AJ	Ok,NS

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS051925

Review By	Abdul	Review On	5/20/2025 9:02:23 AM
Supervise By		Supervise On	
SubDirectory	PS051925	HP Acquire Method	HP Processing Method ps051225 8151
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24553,PP24554,PP24556,PP24557,PP24558,PP24559,PP24560		
CCC Internal Standard/PEM	PP24559		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24562		

M : Manual Integration

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS051225

Review By	Abdul	Review On	5/13/2025 9:35:21 AM
Supervise By	mohammad	Supervise On	5/14/2025 5:13:40 AM
SubDirectory	PS051225	HP Acquire Method	HP Processing Method ps051225 8151

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	PP24553,PP24554,PP24556,PP24557,PP24558,PP24559,PP24560
CCC	PP24559
Internal Standard/PEM	
ICV/I.BLK	PP24562
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PS030123.D	12 May 2025 11:42		AR\AJ	Ok
2	I.BLK	I.BLK	PS030124.D	12 May 2025 12:06		AR\AJ	Ok
3	HSTDICC200	HSTDICC200	PS030125.D	12 May 2025 12:30		AR\AJ	Ok,M
4	HSTDICC500	HSTDICC500	PS030126.D	12 May 2025 12:54		AR\AJ	Ok,M
5	HSTDICC750	HSTDICC750	PS030127.D	12 May 2025 13:18		AR\AJ	Ok,M
6	HSTDICC1000	HSTDICC1000	PS030128.D	12 May 2025 13:42		AR\AJ	Ok,M
7	HSTDICC1500	HSTDICC1500	PS030129.D	12 May 2025 14:06		AR\AJ	Ok,M
8	HSTDICV750	ICVPS051225	PS030130.D	12 May 2025 14:30		AR\AJ	Ok,M
9	I.BLK	I.BLK	PS030131.D	12 May 2025 14:54		AR\AJ	Ok
10	HSTDCCC750	HSTDCCC750	PS030132.D	12 May 2025 15:18		AR\AJ	Ok,M
11	Q1972-01	SUB-WC	PS030133.D	12 May 2025 15:42	Surrogate high in both column	AR\AJ	ReRun
12	Q1972-01RE	SUB-WCRE	PS030134.D	12 May 2025 16:58	Surrogate high in both column	AR\AJ	Confirms
13	Q1972-05	WC-B-10	PS030135.D	12 May 2025 17:46		AR\AJ	Ok,M
14	Q1972-05RE	WC-B-10RE	PS030136.D	12 May 2025 18:10	not needed	AR\AJ	Not Ok
15	I.BLK	I.BLK	PS030137.D	12 May 2025 18:34		AR\AJ	Ok
16	HSTDCCC750	HSTDCCC750	PS030138.D	12 May 2025 18:58		AR\AJ	Ok,M
17	PB167968BL	PB167968BL	PS030139.D	12 May 2025 19:46		AR\AJ	Ok,M
18	PB167968BS	PB167968BS	PS030140.D	12 May 2025 20:10		AR\AJ	Ok,M

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS051225

Review By	Abdul	Review On	5/13/2025 9:35:21 AM
Supervise By	mohammad	Supervise On	5/14/2025 5:13:40 AM
SubDirectory	PS051225	HP Acquire Method	HP Processing Method ps051225 8151
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24553,PP24554,PP24556,PP24557,PP24558,PP24559,PP24560		
CCC Internal Standard/PEM	PP24559		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24562		

19	PB167851TB	PB167851TB	PS030141.D	12 May 2025 20:34		AR\AJ	Ok
20	Q1956-05	COMP1	PS030142.D	12 May 2025 20:59		AR\AJ	Ok,M
21	Q1956-05MS	COMP1MS	PS030143.D	12 May 2025 21:23	Comp#1,6,14 recovery fail	AR\AJ	Ok,M
22	Q1956-05MSD	COMP1MSD	PS030144.D	12 May 2025 21:47	Comp#1,6,14 recovery fail	AR\AJ	Ok,M
23	I.BLK	I.BLK	PS030145.D	12 May 2025 22:11		AR\AJ	Ok
24	HSTDCCC750	HSTDCCC750	PS030146.D	12 May 2025 22:35		AR\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS051925

Review By	Abdul	Review On	5/20/2025 9:02:23 AM
Supervise By		Supervise On	
SubDirectory	PS051925	HP Acquire Method	HP Processing Method ps051225 8151

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	PP24553,PP24554,PP24556,PP24557,PP24558,PP24559,PP24560
CCC Internal Standard/PEM	PP24559
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24562

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PS030257.D	19 May 2025 08:30		AR\AJ	Ok
2	I.BLK	I.BLK	PS030258.D	19 May 2025 08:54		AR\AJ	Ok
3	HSTDCCC750	HSTDCCC750	PS030259.D	19 May 2025 09:18		AR\AJ	Ok,NS
4	PB168030BL	PB168030BL	PS030260.D	19 May 2025 10:12		AR\AJ	Ok
5	PB168030BS	PB168030BS	PS030261.D	19 May 2025 10:36		AR\AJ	Ok,NS
6	Q2038-01	72-11991	PS030262.D	19 May 2025 11:00		AR\AJ	Ok,NS
7	I.BLK	I.BLK	PS030263.D	19 May 2025 11:24		AR\AJ	Ok
8	HSTDCCC750	HSTDCCC750	PS030264.D	19 May 2025 11:48		AR\AJ	Ok,NS
9	Q2034-01	L3-WC-1	PS030265.D	19 May 2025 12:12		AR\AJ	Ok,NS
10	Q2034-05	L3-WC-2	PS030266.D	19 May 2025 12:36		AR\AJ	Ok,NS
11	Q2034-09	L3-WC-3	PS030267.D	19 May 2025 13:00		AR\AJ	Ok,NS
12	Q2034-13	L3-WC-4	PS030268.D	19 May 2025 13:24		AR\AJ	Ok,NS
13	Q2034-17	L3-WC-5	PS030269.D	19 May 2025 13:48		AR\AJ	Ok,NS
14	Q2034-21	L3-WC-6	PS030270.D	19 May 2025 14:12		AR\AJ	Ok,NS
15	Q2048-01	L2-WC-1	PS030271.D	19 May 2025 14:36		AR\AJ	Ok,NS
16	Q2048-05	L2-WC-2	PS030272.D	19 May 2025 15:00		AR\AJ	Ok,NS
17	Q2048-09	L2-WC-3	PS030273.D	19 May 2025 15:24		AR\AJ	Ok,NS
18	Q2048-13	L2-WC-4	PS030274.D	19 May 2025 15:48		AR\AJ	Ok,NS

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS051925

Review By	Abdul	Review On	5/20/2025 9:02:23 AM
Supervise By		Supervise On	
SubDirectory	PS051925	HP Acquire Method	HP Processing Method ps051225 8151
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24553,PP24554,PP24556,PP24557,PP24558,PP24559,PP24560		
CCC	PP24559		
Internal Standard/PEM			
ICV/I.BLK	PP24562		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

19	I.BLK	I.BLK	PS030275.D	19 May 2025 16:12		AR\AJ	Ok
20	HSTDCCC750	HSTDCCC750	PS030276.D	19 May 2025 16:37		AR\AJ	Ok,NS
21	Q2052-01	TP-B	PS030277.D	19 May 2025 17:01		AR\AJ	Ok,NS
22	Q2057-01	MH-L	PS030278.D	19 May 2025 17:25		AR\AJ	Ok,NS
23	PB167996BL	PB167996BL	PS030279.D	19 May 2025 17:49		AR\AJ	Ok,NS
24	PB167996BS	PB167996BS	PS030280.D	19 May 2025 18:13		AR\AJ	Ok,NS
25	Q2032-01	TP-11	PS030281.D	19 May 2025 18:37		AR\AJ	Ok,NS
26	Q2032-02	TP-29	PS030282.D	19 May 2025 19:01		AR\AJ	Ok,NS
27	Q2032-03	TP-29-99	PS030283.D	19 May 2025 19:25		AR\AJ	Ok,NS
28	Q2032-04	TP-24	PS030284.D	19 May 2025 19:49		AR\AJ	Ok,NS
29	Q2032-05MS	TP-24MS	PS030285.D	19 May 2025 20:13		AR\AJ	Ok,NS
30	Q2032-06MSD	TP-24MSD	PS030286.D	19 May 2025 20:38		AR\AJ	Ok,NS
31	I.BLK	I.BLK	PS030287.D	19 May 2025 21:02		AR\AJ	Ok
32	HSTDCCC750	HSTDCCC750	PS030288.D	19 May 2025 21:26		AR\AJ	Ok,NS
33	Q2032-07	TP-37	PS030289.D	19 May 2025 21:50		AR\AJ	Ok,NS
34	Q2032-08	TP-32	PS030290.D	19 May 2025 22:14		AR\AJ	Ok,NS
35	PB168065BL	PB168065BL	PS030291.D	19 May 2025 22:38		AR\AJ	Ok
36	PB168065BS	PB168065BS	PS030292.D	19 May 2025 23:02		AR\AJ	Ok,NS
37	PB167994TB	PB167994TB	PS030293.D	19 May 2025 23:26		AR\AJ	Ok,NS

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS051925

Review By	Abdul	Review On	5/20/2025 9:02:23 AM
Supervise By		Supervise On	
SubDirectory	PS051925	HP Acquire Method	HP Processing Method ps051225 8151
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24553,PP24554,PP24556,PP24557,PP24558,PP24559,PP24560		
CCC Internal Standard/PEM	PP24559		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24562		

38	Q2027-03	B27-SOIL-SAMPLE	PS030294.D	19 May 2025 23:50		AR\AJ	Ok
39	Q2027-03MS	B27-SOIL-SAMPLEMS	PS030295.D	20 May 2025 00:14		AR\AJ	Ok,NS
40	Q2027-03MSD	B27-SOIL-SAMPLEMS	PS030296.D	20 May 2025 00:38		AR\AJ	Ok,NS
41	Q2027-04	B28-SOIL-SAMPLE	PS030297.D	20 May 2025 01:03		AR\AJ	Ok
42	Q2032-09	COMP-1	PS030298.D	20 May 2025 01:27		AR\AJ	Ok
43	I.BLK	I.BLK	PS030299.D	20 May 2025 01:51		AR\AJ	Ok
44	HSTDCCC750	HSTDCCC750	PS030300.D	20 May 2025 02:15		AR\AJ	Ok,NS

M : Manual Integration

SOP ID :	M1311-TCLP-15	
SDG No :	N/A	Start Prep Date : 05/14/2025 Time : 16:10
Weigh By :	JP	End Prep Date : 05/15/2025 Time : 09:15
Balance ID :	WC SC-7	Combination Ratio : 20
pH Meter ID :	WC PH METER-1	ZHE Cleaning Batch : N/A 10
Extraction By :	JP	Initial Room Temperature: 23 °C
Filter By :	JP	Final Room Temperature: 21 °C
Pippete ID :	WC	TCLP Technician Signature : 10
Tumbler ID :	T-1 / T-2	Supervisor By : 12
TCLP Filter ID :	115525	

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	WP112795
HCL-TCLP,1N	N/A	WP112797
HNO3-TCLP,1N	N/A	WP112799
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	MP84041

Extraction Conformance/Non-Conformance Comments:

Matrix spikes are added after filtration and before preservation. TUMBLER T-1 /T-2 checked,30 rpm. Q2048-16 IS USED FOR MS-MSD.

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
05/15/25 11:45	JP 100 Room	5129 RJ 1641
	Preparation Group	Analysis Group

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
PB167994TB	LEB994	18	N/A	2000	N/A	N/A	N/A	4.94	1.5	T-2
Q2019-04	MH-K	01	100.03	2000	N/A	N/A	N/A	5.8	1.0	T-1
Q2020-04	TP-A	02	100.02	2000	N/A	N/A	N/A	6.0	1.5	T-1
Q2023-02	HEATER-PAD	03	100.03	2000	N/A	N/A	N/A	12.0	1.0	T-1
Q2027-03	B27-SOIL-SAMPLE	04	100.04	2000	N/A	N/A	N/A	9.1	1.0	T-1
Q2027-04	B28-SOIL-SAMPLE	05	100.02	2000	N/A	N/A	N/A	10.0	1.5	T-1
Q2032-09	COMP-1	06	100.03	2000	N/A	N/A	N/A	3.0	1.0	T-1
Q2034-04	L3-WC-1	07	100.02	2000	N/A	N/A	N/A	3.0	1.5	T-1
Q2034-08	L3-WC-2	08	100.01	2000	N/A	N/A	N/A	5.0	1.0	T-1
Q2034-12	L3-WC-3	09	100.02	2000	N/A	N/A	N/A	5.5	1.5	T-1
Q2034-16	L3-WC-4	10	100.03	2000	N/A	N/A	N/A	3.0	1.0	T-1
Q2034-20	L3-WC-5	11	100.04	2000	N/A	N/A	N/A	3.0	1.5	T-2
Q2034-24	L3-WC-6	12	100.03	2000	N/A	N/A	N/A	5.5	1.0	T-2
Q2038-02	72-11991	13	100.02	2000	N/A	N/A	N/A	5.6	1.5	T-2
Q2048-04	L2-WC-1	14	100.01	2000	N/A	N/A	N/A	4.0	1.0	T-2
Q2048-08	L2-WC-2	15	100.02	2000	N/A	N/A	N/A	3.5	1.5	T-2
Q2048-12	L2-WC-3	16	100.03	2000	N/A	N/A	N/A	4.0	1.5	T-2
Q2048-16	L2-WC-4	17	100.02	2000	N/A	N/A	N/A	4.0	1.0	T-2

SampleID	ClientID	Sample Weight (g)	Filter Weight (g)	Filtrate (mL)	Filter + Solid (After 100°C)	% solids	% Dry Solids
PB167994TB	LEB994	N/A	N/A	N/A	N/A	N/A	N/A
Q2019-04	MH-K	N/A	N/A	N/A	N/A	100	N/A
Q2020-04	TP-A	N/A	N/A	N/A	N/A	100	N/A
Q2023-02	HEATER-PAD	N/A	N/A	N/A	N/A	100	N/A
Q2027-03	B27-SOIL-SAMPLE	N/A	N/A	N/A	N/A	100	N/A
Q2027-04	B28-SOIL-SAMPLE	N/A	N/A	N/A	N/A	100	N/A
Q2032-09	COMP-1	N/A	N/A	N/A	N/A	100	N/A
Q2034-04	L3-WC-1	N/A	N/A	N/A	N/A	100	N/A
Q2034-08	L3-WC-2	N/A	N/A	N/A	N/A	100	N/A
Q2034-12	L3-WC-3	N/A	N/A	N/A	N/A	100	N/A
Q2034-16	L3-WC-4	N/A	N/A	N/A	N/A	100	N/A
Q2034-20	L3-WC-5	N/A	N/A	N/A	N/A	100	N/A
Q2034-24	L3-WC-6	N/A	N/A	N/A	N/A	100	N/A
Q2038-02	72-11991	N/A	N/A	N/A	N/A	100	N/A
Q2048-04	L2-WC-1	N/A	N/A	N/A	N/A	100	N/A
Q2048-08	L2-WC-2	N/A	N/A	N/A	N/A	100	N/A
Q2048-12	L2-WC-3	N/A	N/A	N/A	N/A	100	N/A
Q2048-16	L2-WC-4	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
PB167994TB	LEB994	N/A	N/A	N/A	N/A	#1	4.94
Q2019-04	MH-K	5.02	96.5	8.2	3.0	#1	4.94
Q2020-04	TP-A	5.03	96.5	8.4	3.5	#1	4.94
Q2023-02	HEATER-PAD	5.02	96.5	12.5	4.5	#1	4.94
Q2027-03	B27-SOIL-SAMPLE	5.03	96.5	11.0	4.5	#1	4.94
Q2027-04	B28-SOIL-SAMPLE	5.04	96.5	11.5	4.0	#1	4.94
Q2032-09	COMP-1	5.02	96.5	5.5	1.5	#1	4.94
Q2034-04	L3-WC-1	5.03	96.5	5.5	1.5	#1	4.94
Q2034-08	L3-WC-2	5.02	96.5	5.6	2.0	#1	4.94
Q2034-12	L3-WC-3	5.01	96.5	7.0	2.5	#1	4.94
Q2034-16	L3-WC-4	5.02	96.5	7.6	2.0	#1	4.94
Q2034-20	L3-WC-5	5.03	96.5	5.6	1.5	#1	4.94
Q2034-24	L3-WC-6	5.04	96.5	5.5	1.5	#1	4.94
Q2038-02	72-11991	5.03	96.5	7.2	2.5	#1	4.94
Q2048-04	L2-WC-1	5.02	96.5	6.4	2.0	#1	4.94
Q2048-08	L2-WC-2	5.01	96.5	6.0	2.5	#1	4.94
Q2048-12	L2-WC-3	5.02	96.5	6.2	2.0	#1	4.94
Q2048-16	L2-WC-4	5.03	96.5	6.2	2.5	#1	4.94

WORKLIST(Hardcopy Internal Chain)

WorkList Name : TCLP Q2034

WorkList ID : 189510

Department : TCLP Extraction

Date : 05-14-2025 10:41:34

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2019-04	MH-K	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L41	05/13/2025	1311
Q2020-04	TP-A	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L41	05/12/2025	1311
Q2023-02	HEATER-PAD	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L41	05/13/2025	1311
Q2027-03	B27-SOIL-SAMPLE	Solid	TCLP Extraction	Cool 4 deg C	SCAL01	L41	05/12/2025	1311
Q2027-04	B28-SOIL-SAMPLE	Solid	TCLP Extraction	Cool 4 deg C	SCAL01	L41	05/12/2025	1311
Q2032-09	COMP-1	Solid	TCLP Extraction	Cool 4 deg C	CAMP02	L41	05/13/2025	1311
Q2034-04	L3-WC-1	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L41	05/13/2025	1311
Q2034-08	L3-WC-2	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L41	05/13/2025	1311
Q2034-12	L3-WC-3	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L41	05/13/2025	1311
Q2034-16	L3-WC-4	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L41	05/13/2025	1311
Q2034-20	L3-WC-5	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L41	05/13/2025	1311
Q2034-24	L3-WC-6	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L41	05/13/2025	1311
Q2038-02	72-11991	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L31	05/14/2025	1311
Q2048-04	L2-WC-1	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L41	05/14/2025	1311
Q2048-08	L2-WC-2	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L41	05/14/2025	1311
Q2048-12	L2-WC-3	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L41	05/14/2025	1311
Q2048-16	L2-WC-4	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L41	05/14/2025	1311

Date/Time 05-14-25 14:35
 Raw Sample Received by: SP WPC
 Raw Sample Relinquished by: CP SM

Date/Time 05-14-25 18:00
 Raw Sample Received by: CP SM
 Raw Sample Relinquished by: SP WPC

SOP ID: M8151A-Herbicide-22

Clean Up SOP #: N/A

Matrix: Water

Weigh By: N/A

Balance check: N/A

Balance ID: N/A

pH Strip Lot#: E3880

Extraction By: EH

Filter By: RS

pH Meter ID: N/A

Hood ID: 4,7

Extraction Start Date: 05/19/2025

Extraction Start Time: 09:15

Extraction End Date: 05/19/2025

Extraction End Time: 16:00

Concentration By: EH

Supervisor By: RUPESH

Extraction Method: ☒ Separatory Funnel

☐ Continuous Liquid/Liquid

☐ Sonication

☐ Waste Dilution

☐ Soxhlet

Standard Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	5/500 PPM	PP24484
Surrogate	1.0ML	5000 PPB	PP24552
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	E3881
Acidified Na2SO4	N/A	EP2576
NAOH 6N	N/A	EP2606
12N H2SO4	N/A	EP2605
NACL	N/A	M4459
ISO OCTANE	N/A	E3554
Diazomethane	N/A	EP2608
Hexane	N/A	E3934
NACL	N/A	M4459
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

pH Adjusted with 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 # 03-40BTS723.

KD Bath ID: N/A

KD Bath Temperature: N/A

Envap ID: NEVAP-02

Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
5/19/25	RSC Ext (lab)	R. Pest-PCB Lab
16:05	Preparation Group	Analysis Group

Analytical Method: M8151A-Herbicide-22

Concentration Date: 05/19/2025

Sample ID	Client Sample ID	Test	g / (mL)	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB167994TB	PB167994TB	TCLP Herbicide	100	6	Evelyn	RUPESH	10			SEP-1
PB168065BL	HBLK065	TCLP Herbicide	1000	6	Evelyn	RUPESH	10			2
PB168065BS	HLCS065	TCLP Herbicide	1000	6	Evelyn	RUPESH	10			3
Q2027-03	B27-SOIL-SAMPLE	TCLP Herbicide	100	6	Evelyn	RUPESH	10	A		4
Q2027-03MS	B27-SOIL-SAMPLEMS	TCLP Herbicide	100	6	Evelyn	RUPESH	10	A		5
Q2027-03MS D	B27-SOIL-SAMPLEMSD	TCLP Herbicide	100	6	Evelyn	RUPESH	10	A		6
Q2027-04	B28-SOIL-SAMPLE	TCLP Herbicide	100	6	Evelyn	RUPESH	10	A		7
Q2032-09	COMP-1	TCLP Herbicide	100	6	Evelyn	RUPESH	10	A		8

RS
5/19

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
PB167994TB	LEB994	18	N/A	2000	N/A	N/A	N/A	4.94	1.5	T-2
Q2019-04	MH-K	01	100.03	2000	N/A	N/A	N/A	5.8	1.0	T-1
Q2020-04	TP-A	02	100.02	2000	N/A	N/A	N/A	6.0	1.5	T-1
Q2023-02	HEATER-PAD	03	100.03	2000	N/A	N/A	N/A	12.0	1.0	T-1
Q2027-03	B27-SOIL-SAMPLE	04	100.04	2000	N/A	N/A	N/A	9.1	1.0	T-1
Q2027-04	B28-SOIL-SAMPLE	05	100.02	2000	N/A	N/A	N/A	10.0	1.5	T-1
Q2032-09	COMP-1	06	100.03	2000	N/A	N/A	N/A	3.0	1.0	T-1
Q2034-04	L3-WC-1	07	100.02	2000	N/A	N/A	N/A	3.0	1.5	T-1
Q2034-08	L3-WC-2	08	100.01	2000	N/A	N/A	N/A	5.0	1.0	T-1
Q2034-12	L3-WC-3	09	100.02	2000	N/A	N/A	N/A	5.5	1.5	T-1
Q2034-16	L3-WC-4	10	100.03	2000	N/A	N/A	N/A	3.0	1.0	T-1
Q2034-20	L3-WC-5	11	100.04	2000	N/A	N/A	N/A	3.0	1.5	T-2
Q2034-24	L3-WC-6	12	100.03	2000	N/A	N/A	N/A	5.5	1.0	T-2
Q2038-02	72-11991	13	100.02	2000	N/A	N/A	N/A	5.6	1.5	T-2
Q2048-04	L2-WC-1	14	100.01	2000	N/A	N/A	N/A	4.0	1.0	T-2
Q2048-08	L2-WC-2	15	100.02	2000	N/A	N/A	N/A	3.5	1.5	T-2
Q2048-12	L2-WC-3	16	100.03	2000	N/A	N/A	N/A	4.0	1.5	T-2
Q2048-16	L2-WC-4	17	100.02	2000	N/A	N/A	N/A	4.0	1.0	T-2

05/15/25
11:45



SHIPPING DOCUMENTS

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: Scalamandre Tully JV
ADDRESS:
CITY: STATE: ZIP:
ATTENTION: Dean Devo
PHONE: 718 446 2000 FAX: 718 438 5199

CLIENT PROJECT INFORMATION

PROJECT NAME: Harper Street Yard
PROJECT NO.: LOCATION:
PROJECT MANAGER:
e-mail:
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: Same 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 _____

Full TCLP
PCBs
IRC

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES									COMMENTS
			COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	9	
1.	B2.7 Soil Sample	S		X	5/12	1 pm		X	X	X							possible
2.	B2.8 Soil Sample	S		X	5/12	1 pm		X	X	X							
3.																	
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

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

RELINQUISHED BY SAMPLER: 1. <u>5/12/25</u>	DATE/TIME: <u>5/12</u>	RECEIVED BY: 1. <u>[Signature]</u>	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP _____ Comments: <u>Hold both samples for possible additional analysis per Clean Earth North Jersey pending TCLP analysis</u> <u>5-2 LR-Guth</u>
RELINQUISHED BY SAMPLER: 2. <u>5/13/25</u>	DATE/TIME: <u>5/13/25</u>	RECEIVED BY: 2. <u>[Signature]</u>	
RELINQUISHED BY SAMPLER: 3. <u>5/13/25</u>	DATE/TIME: <u>5/13/25</u>	RECEIVED BY: 3. <u>[Signature]</u>	

Page ____ of ____

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete

☐ YES ☐ NO

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488