

Cover Page

Order ID : P4578

Project ID : Amtrak Sawtooth Bridges 2024

Client : Portal Partners Tri-Venture

Lab Sample Number

P4578-01
P4578-02
P4578-03
P4578-04
P4578-05
P4578-06
P4578-07
P4578-08
P4578-09

Client Sample Number

WB-305-SW
WB-305-SW-1
WB-305-TOP
WB-305-TOP-1
WB-305-BOT
WB-305-BOT
WB-305-BOT-1
WB-305-BOT-1
TB-10252024

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: 11/8/2024

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

CASE NARRATIVE

Portal Partners Tri-Venture

Project Name: Amtrak Sawtooth Bridges 2024

Project # N/A

Chemtech Project # P4578

Test Name: TCLP Herbicide

A. Number of Samples and Date of Receipt:

6 Solid samples were received on 10/25/2024.

3 Water samples were received on 10/25/2024.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: Corrosivity, EPH, EPH, Hexavalent Chromium, Ignitability, Mercury, Metals ICP-TAL, METALS-TAL, PCB, RCRA CHARACTERISTICS, Reactive Cyanide, Reactive Sulfide, SVOC-TCL BNA -20, TCLP BNA, TCLP Extraction, TCLP Herbicide, TCLP ICP Metals, TCLP Mercury, TCLP Pesticide, TCLP VOA, TCLP ZHE Extraction, TCLP-FULL, Trivalent Chromium, VOC-TCLVOA-10 and VOC-TCLVOA-10. 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 µm df, Catalog # 11139. The rear column is RTX-CLPesticides2 which is 30 meters, 0.32 mm ID, 0.25 µm 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 except for WB-305-BOT [2,4-DCAA(1) - 68%, 2,4-DCAA(2) - 56%], WB-305-BOTMS [2,4-DCAA(2) - 58%], WB-305-BOTMSD [2,4-DCAA(2) - 60%], WB-305-BOT-1 [2 and 4-DCAA(2) - 61%], PB164393TB [2 and 4-DCAA(2) - 58%], these compounds did not meet the NJDKQP criteria but met the in-house criteria.

The Retention Times were acceptable for all samples.

The MS {P4578-06MS} with File ID: PS028291.D recoveries met the requirements for all compounds except for 2,4,5-TP(Silvex)[144%] this compound did not meet the NJDKQP criteria and in-house criteria due to matrix interference.



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

The MSD {P4578-06MSD} with File ID: PS028292.D recoveries met the acceptable requirements except for 2,4,5-TP(Silvex)[143%], this compound did not meet the NJDKQP criteria and in-house criteria due to matrix interference.

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.

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. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

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 #: P4578

Completed

For thorough review, the report must have the following:

GENERAL:

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

✓

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

✓

Is the chain of custody signed and complete

✓

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

✓

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

✓

COVER PAGE:

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

✓

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

✓

CHAIN OF CUSTODY:

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

✓

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

✓

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

✓

Were the samples received within hold time

✓

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

✓

ANALYTICAL:

Was method requirement followed?

✓

Was client requirement followed?

✓

Does the case narrative summarize all QC failure?

✓

All runlogs and manual integration are reviewed for requirements

✓

All manual calculations and /or hand notations verified

✓

QA Review Signature: PATEL VAISHALI

Date: 11/08/2024

LAB CHRONICLE

OrderID:	P4578	OrderDate:	10/25/2024 3:58:00 PM
Client:	Portal Partners Tri-Venture	Project:	Amtrak Sawtooth Bridges 2024
Contact:	Joseph Krupansky	Location:	K63,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4578-01	WB-305-SW	WATER	PCB	8082A	10/25/24	10/29/24	10/29/24	10/25/24
			EPH	NJEPH		10/30/24	10/31/24	
P4578-02	WB-305-SW-1	WATER	PCB	8082A	10/25/24	10/29/24	10/29/24	10/25/24
			EPH	NJEPH		10/30/24	10/31/24	
P4578-03	WB-305-TOP	SOIL	PCB	8082A	10/25/24	10/28/24	10/29/24	10/25/24
			EPH	NJEPH		10/30/24	10/30/24	
			EPH	NJEPH		10/30/24	10/31/24	
P4578-04	WB-305-TOP-1	SOIL	PCB	8082A	10/25/24	10/28/24	10/29/24	10/25/24
			EPH	NJEPH		10/30/24	10/30/24	
			EPH	NJEPH		10/30/24	10/31/24	
P4578-05	WB-305-BOT	SOIL	PCB	8082A	10/25/24	10/28/24	10/29/24	10/25/24
			EPH	NJEPH		10/30/24	10/30/24	
P4578-06	WB-305-BOT	TCLP	TCLP Herbicide	8151A	10/25/24	10/28/24	11/06/24	10/25/24
			TCLP Pesticide	8081B		10/26/24	10/29/24	
P4578-07	WB-305-BOT-1	SOIL	PCB	8082A	10/25/24	10/28/24	10/29/24	10/25/24
			EPH	NJEPH		10/30/24	10/30/24	
			EPH	NJEPH		10/30/24	10/31/24	
P4578-08	WB-305-BOT-1	TCLP			10/25/24			10/25/24

LAB CHRONICLE

TCLP Herbicide	8151A	10/28/24	11/07/24
TCLP Pesticide	8081B	10/26/24	10/29/24



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

Hit Summary Sheet
SW-846

SDG No.: P4578

Order ID: P4578

Client: Portal Partners Tri-Venture

Project ID: Amtrak Sawtooth Bridges 2024

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.: **P4578**

Client: **Portal Partners Tri-Venture**

Analytical Method: **8151A**

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits	
								Low	High
I.BLK-PS028252.D	PIBLK-PS028252.D	2,4-DCAA	1	500	489	98		70 (39)	130 (175)
		2,4-DCAA	2	500	491	98		70 (39)	130 (175)
I.BLK-PS028259.D	PIBLK-PS028259.D	2,4-DCAA	1	500	501	100		70 (39)	130 (175)
		2,4-DCAA	2	500	506	101		70 (39)	130 (175)
PB164519BL	PB164519BL	2,4-DCAA	1	500	561	112		70 (39)	130 (175)
		2,4-DCAA	2	500	538	108		70 (39)	130 (175)
PB164519BS	PB164519BS	2,4-DCAA	1	500	541	108		70 (39)	130 (175)
		2,4-DCAA	2	500	530	106		70 (39)	130 (175)
P4578-06	WB-305-BOT	2,4-DCAA	1	500	338	68	*	70 (39)	130 (175)
		2,4-DCAA	2	500	278	56	*	70 (39)	130 (175)
I.BLK-PS028271.D	PIBLK-PS028271.D	2,4-DCAA	1	500	519	104		70 (39)	130 (175)
		2,4-DCAA	2	500	516	103		70 (39)	130 (175)
I.BLK-PS028283.D	PIBLK-PS028283.D	2,4-DCAA	1	500	529	106		70 (39)	130 (175)
		2,4-DCAA	2	500	516	103		70 (39)	130 (175)
P4578-06MS	WB-305-BOTMS	2,4-DCAA	1	500	356	71		70 (39)	130 (175)
		2,4-DCAA	2	500	289	58	*	70 (39)	130 (175)
P4578-06MSD	WB-305-BOTMSD	2,4-DCAA	1	500	364	73		70 (39)	130 (175)
		2,4-DCAA	2	500	300	60	*	70 (39)	130 (175)
P4578-08	WB-305-BOT-1	2,4-DCAA	1	500	367	73		70 (39)	130 (175)
		2,4-DCAA	2	500	306	61	*	70 (39)	130 (175)
I.BLK-PS028296.D	PIBLK-PS028296.D	2,4-DCAA	1	500	530	106		70 (39)	130 (175)
		2,4-DCAA	2	500	508	102		70 (39)	130 (175)
I.BLK-PS028334.D	PIBLK-PS028334.D	2,4-DCAA	1	500	543	109		70 (39)	130 (175)
		2,4-DCAA	2	500	473	95		70 (39)	130 (175)
PB164393TB	PB164393TB	2,4-DCAA	1	500	376	75		70 (39)	130 (175)
		2,4-DCAA	2	500	292	58	*	70 (39)	130 (175)
I.BLK-PS028346.D	PIBLK-PS028346.D	2,4-DCAA	1	500	547	109		70 (39)	130 (175)
		2,4-DCAA	2	500	469	94		70 (39)	130 (175)

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4578

Client: Portal Partners Tri-Venture

Analytical Method: 8151A

DataFile : PS028291.D

Lab Sample ID:	Parameter	Spike	Sample		Units	Rec	Rec		RPD		Limits	
			Result	Result			Qual	RPD	Qual	Low	High	RPD
Client Sample ID: P4578-06MS	WB-305-BOTMS											
	2,4-D	50	0	53.0	ug/L	106				70 (65)	130 (135)	
	2,4,5-TP(Silvex)	50	0	72.0	ug/L	144	*			70 (62)	130 (139)	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4578

Client: Portal Partners Tri-Venture

Analytical Method: 8151A

DataFile : PS028292.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Client Sample ID:	WB-305-BOTMSD											
P4578-06MSD	2,4-D	50	0	54.1	ug/L	108		2		70 (65)	130 (135)	20 (20)
	2,4,5-TP(Silvex)	50	0	71.5	ug/L	143	*	1		70 (62)	130 (139)	20 (20)

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4578

Client: Portal Partners Tri-Venture

Analytical Method: 8151A **Datafile :** PS028263.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB164519BS	2,4-D	5	5.10	ug/L	102				70 (83)	130 (130)	
	2,4,5-TP(Silvex)	5	5.10	ug/L	102				70 (78)	130 (127)	

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB164519BL

Lab Name: CHEMTECH

Contract: PORT06

Lab Code: CHEM Case No.: P4578

SAS No.: P4578 SDG NO.: P4578

Lab Sample ID: PB164519BL

Lab File ID: PS028262.D

Matrix: (soil/water) water

Extraction: (Type) _____

Sulfur Cleanup: (Y/N) N

Date Extracted: 10/28/2024

Date Analyzed (1): 11/06/2024

Date Analyzed (2): 11/06/2024

Time Analyzed (1): 13:26

Time Analyzed (2): 13:26

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
PB164519BS	PB164519BS	PS028263.D	11/06/2024	11/06/2024
WB-305-BOT	P4578-06	PS028265.D	11/06/2024	11/06/2024
WB-305-BOTMS	P4578-06MS	PS028291.D	11/07/2024	11/07/2024
WB-305-BOTMSD	P4578-06MSD	PS028292.D	11/07/2024	11/07/2024
WB-305-BOT-1	P4578-08	PS028293.D	11/07/2024	11/07/2024
PB164393TB	PB164393TB	PS028345.D	11/08/2024	11/08/2024

COMMENTS: _____



SAMPLE DATA

Report of Analysis

Client:	Portal Partners Tri-Venture		Date Collected:	10/25/24	
Project:	Amtrak Sawtooth Bridges 2024		Date Received:	10/25/24	
Client Sample ID:	WB-305-BOT		SDG No.:	P4578	
Lab Sample ID:	P4578-06		Matrix:	TCLP	
Analytical Method:	SW8151A		% 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
PS028265.D	1	10/28/24 08:45	11/06/24 15:23	PB164519

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	4.90	U	4.90	20.0	ug/L
93-72-1	2,4,5-TP (Silvex)	4.50	U	4.50	20.0	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	338	*	70 (39) - 130 (175)	68%	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\PS110624\
 Data File : PS028265.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 06 Nov 2024 15:23
 Operator : AR\AJ
 Sample : P4578-06
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 WB-305-BOT

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 11/08/2024
 Supervised By :Ankita Jodhani 11/08/2024

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 06 16:13:06 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110624.M
 Quant Title : 8080.M
 QLast Update : Wed Nov 06 11:48:19 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
4) S 2,4-DCAA	7.263	7.760	866.0E6	484.5E6	338.081m	278.179m

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS110624\
Data File : PS028265.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Nov 2024 15:23
Operator : AR\AJ
Sample : P4578-06
Misc :
ALS Vial : 27 Sample Multiplier: 1

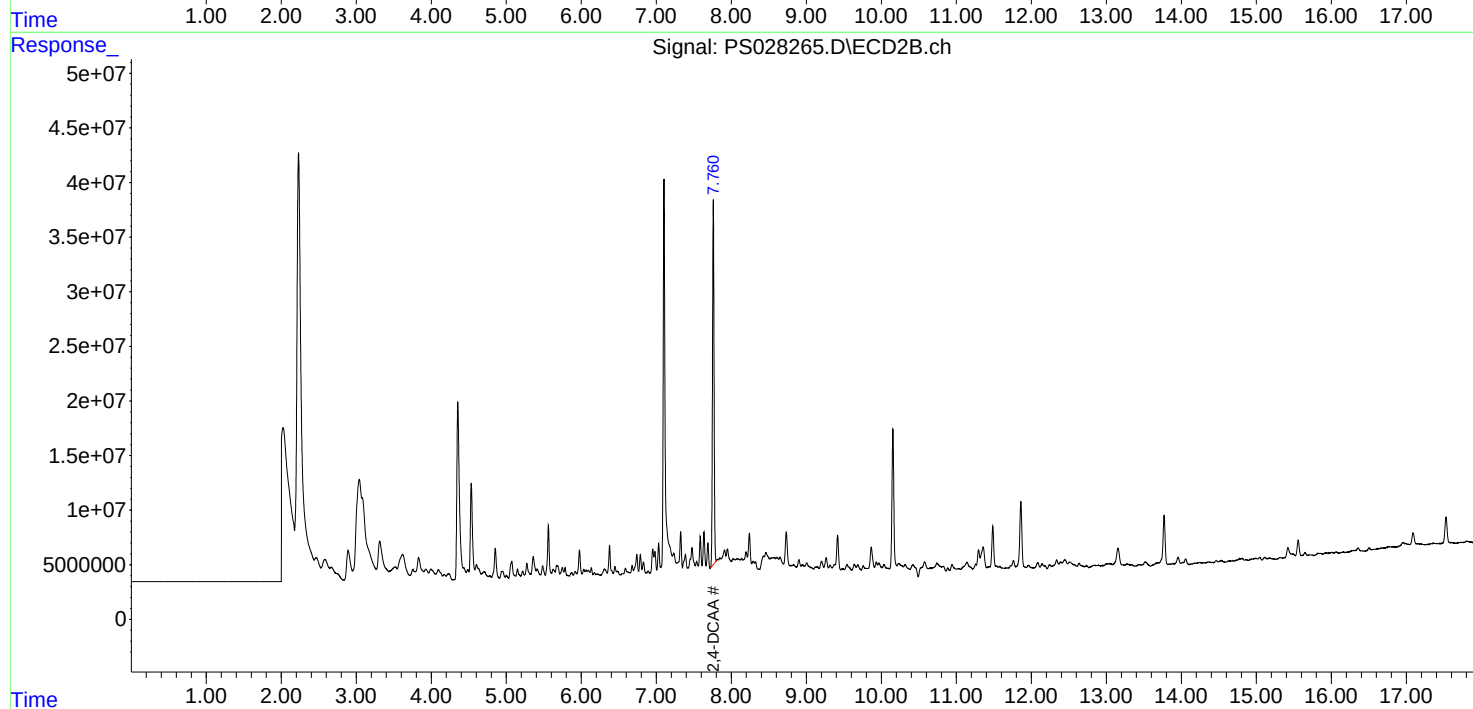
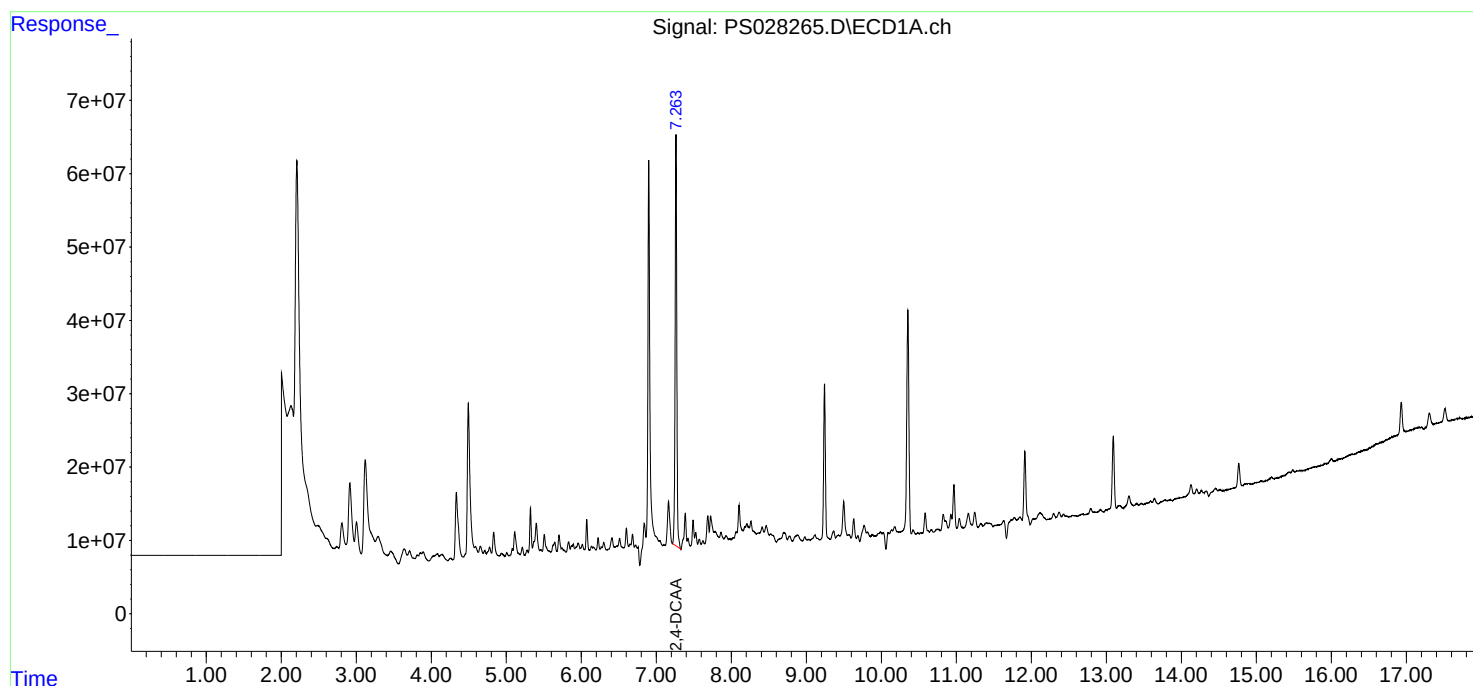
Instrument :
ECD_S
ClientSampleId :
WB-305-BOT

Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 11/08/2024
Supervised By : Ankita Jodhani 11/08/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 06 16:13:06 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110624.M
Quant Title : 8080.M
QLast Update : Wed Nov 06 11:48:19 2024
Response via : Initial Calibration
Integrator: ChemStation

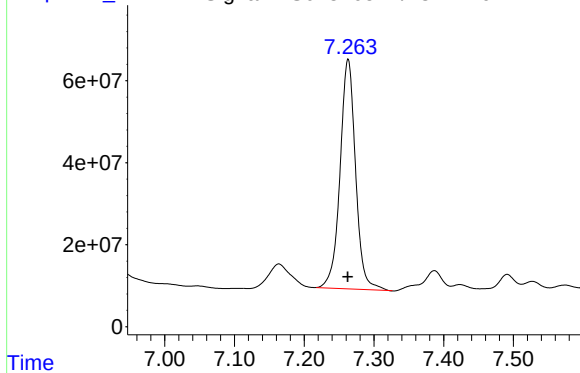
Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



Response_

Signal: PS028265.D\ECD1A.ch

#4 2,4-DCAA



R.T.: 7.263 min
Delta R.T.: 0.000 min
Response: 865966294
Conc: 338.08 ng/ml

Instrument :

ECD_S

ClientSampleId :

WB-305-BOT

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 11/08/2024

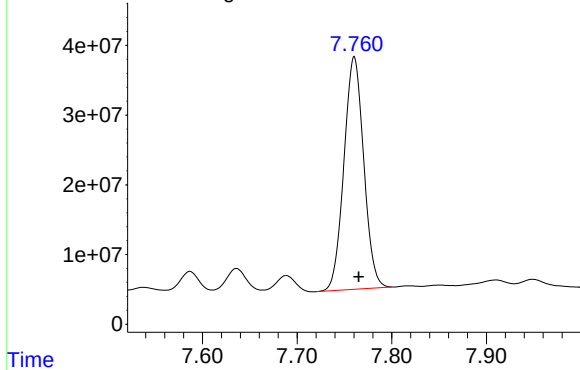
Supervised By :Ankita Jodhani 11/08/2024

Time

Response_

Signal: PS028265.D\ECD2B.ch

#4 2,4-DCAA



R.T.: 7.760 min
Delta R.T.: -0.005 min
Response: 484526522
Conc: 278.18 ng/ml m

Time

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/25/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/25/24
Client Sample ID:	WB-305-BOT-1	SDG No.:	P4578
Lab Sample ID:	P4578-08	Matrix:	TCLP
Analytical Method:	SW8151A	% 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
PS028293.D	1	10/28/24 08:45	11/07/24 03:04	PB164519

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	4.90	U	4.90	20.0	ug/L
93-72-1	2,4,5-TP (Silvex)	4.50	U	4.50	20.0	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	367		70 (39) - 130 (175)	73%	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\PS110624\
Data File : PS028293.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Nov 2024 03:04
Operator : AR\AJ
Sample : P4578-08
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
WB-305-BOT-1

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 11/08/2024
Supervised By :Ankita Jodhani 11/08/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 07 04:55:29 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110624.M
Quant Title : 8080.M
QLast Update : Wed Nov 06 11:48:19 2024
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
4) S 2,4-DCAA	7.258	7.762	941.2E6	532.7E6	367.461m	305.849m

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS110624\
Data File : PS028293.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Nov 2024 03:04
Operator : AR\AJ
Sample : P4578-08
Misc :
ALS Vial : 30 Sample Multiplier: 1

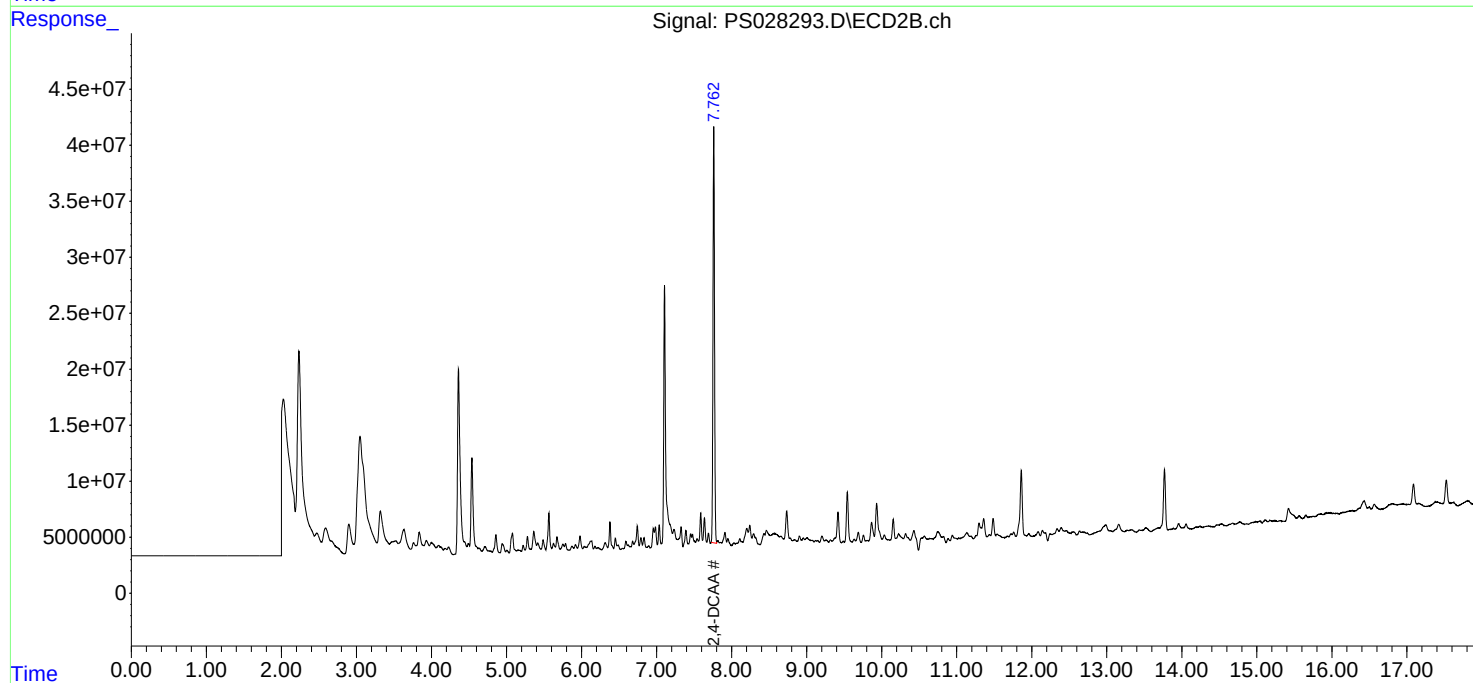
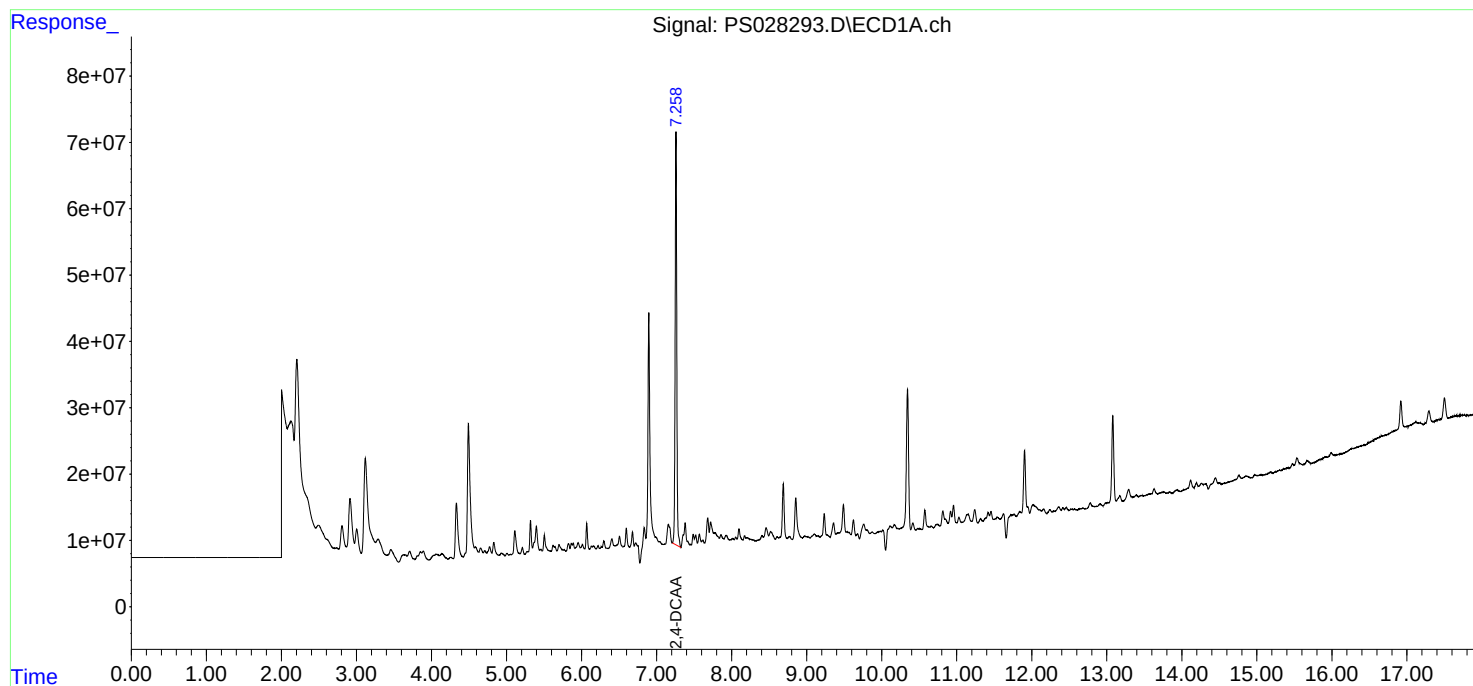
Instrument :
ECD_S
ClientSampleId :
WB-305-BOT-1

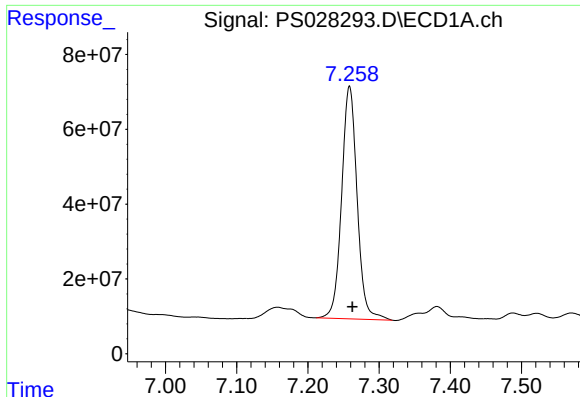
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 11/08/2024
Supervised By :Ankita Jodhani 11/08/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 07 04:55:29 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110624.M
Quant Title : 8080.M
QLast Update : Wed Nov 06 11:48:19 2024
Response via : Initial Calibration
Integrator: ChemStation

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





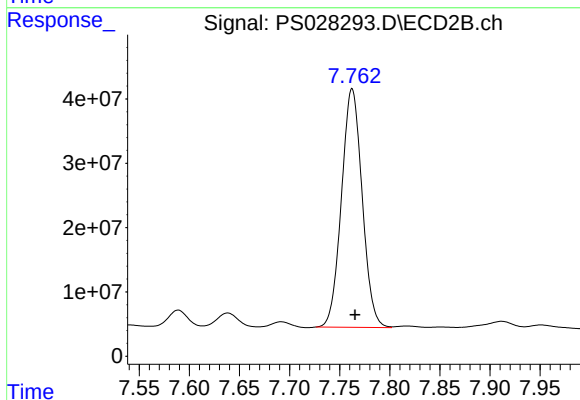
#4 2,4-DCAA

R.T.: 7.258 min
Delta R.T.: -0.005 min
Response: 941219051
Conc: 367.46 ng/ml

Instrument :
ECD_S
ClientSampleId :
WB-305-BOT-1

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 11/08/2024
Supervised By :Ankita Jodhani 11/08/2024



#4 2,4-DCAA

R.T.: 7.762 min
Delta R.T.: -0.003 min
Response: 532721749
Conc: 305.85 ng/ml m

Report of Analysis

Client:	Portal Partners Tri-Venture		Date Collected:		
Project:	Amtrak Sawtooth Bridges 2024		Date Received:	10/28/24	
Client Sample ID:	PB164393TB		SDG No.:	P4578	
Lab Sample ID:	PB164393TB		Matrix:	TCLP	
Analytical Method:	SW8151A		% 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
PS028345.D	1	10/28/24 08:45	11/08/24 01:05	PB164519

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	4.90	U	4.90	20.0	ug/L
93-72-1	2,4,5-TP (Silvex)	4.50	U	4.50	20.0	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	376		70 (39) - 130 (175)	75%	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\PS110724\
 Data File : PS028345.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 08 Nov 2024 01:05
 Operator : AR\AJ
 Sample : PB164393TB
 Misc :
 ALS Vial : 80 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 PB164393TB

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 11/08/2024
 Supervised By :Ankita Jodhani 11/08/2024

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 08 04:46:18 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110624.M
 Quant Title : 8080.M
 QLast Update : Wed Nov 06 11:48:19 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

 System Monitoring Compounds

4) S	2,4-DCAA	7.253	7.757	963.8E6	507.9E6	376.291	291.611m
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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\PS110724\
Data File : PS028345.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Nov 2024 01:05
Operator : AR\AJ
Sample : PB164393TB
Misc :
ALS Vial : 80 Sample Multiplier: 1

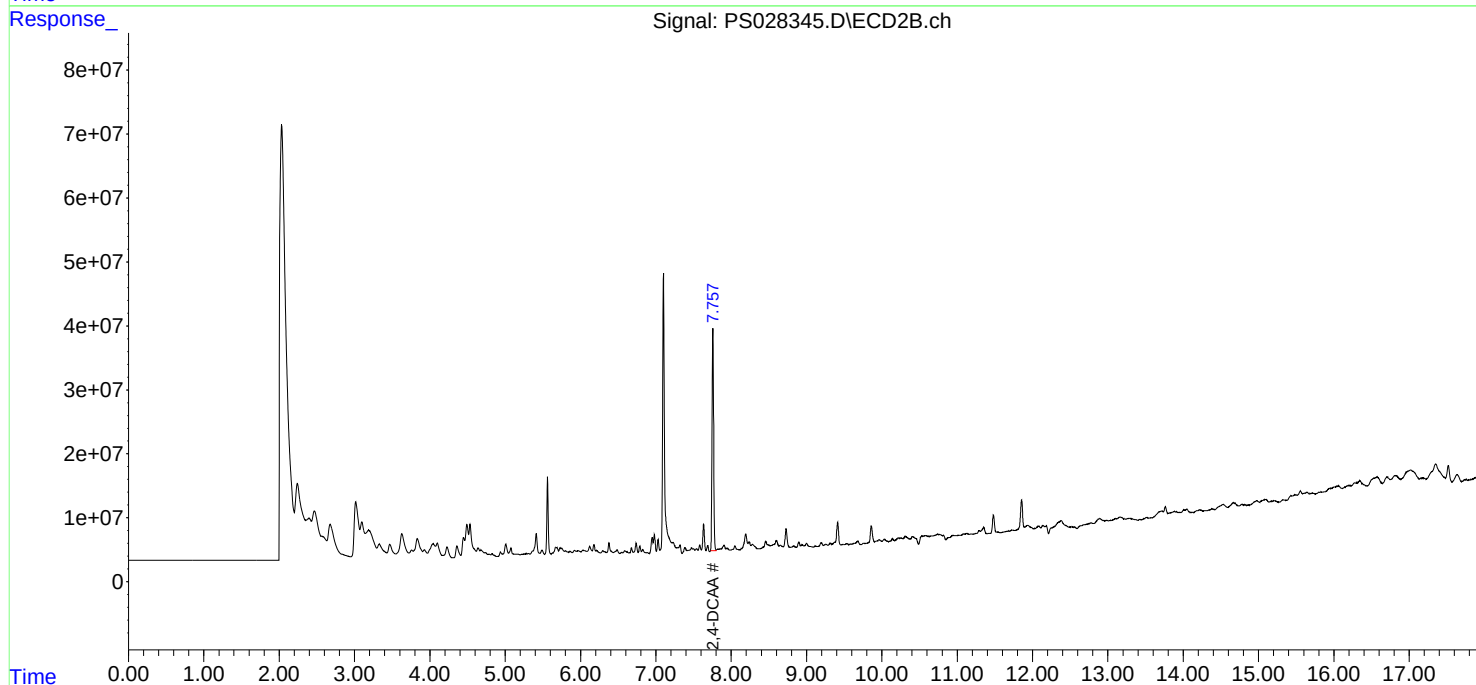
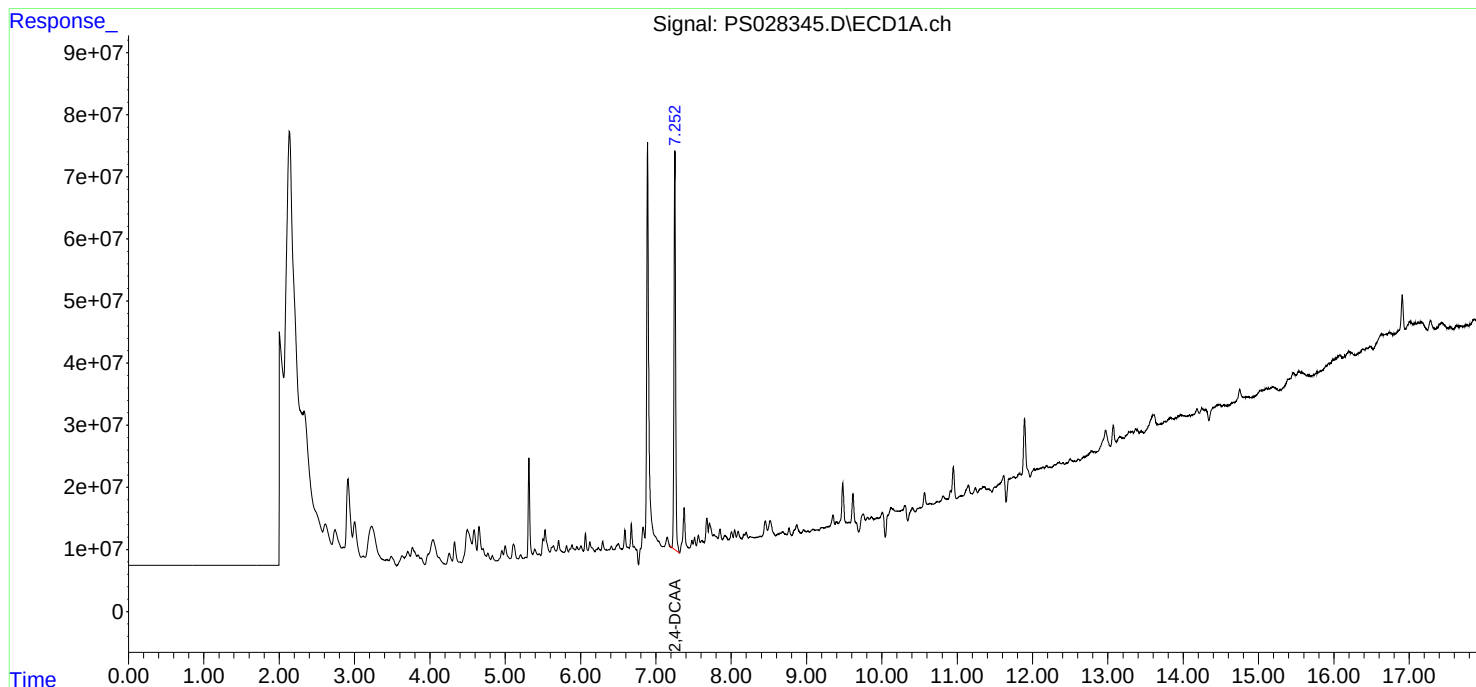
Instrument :
ECD_S
ClientSampleId :
PB164393TB

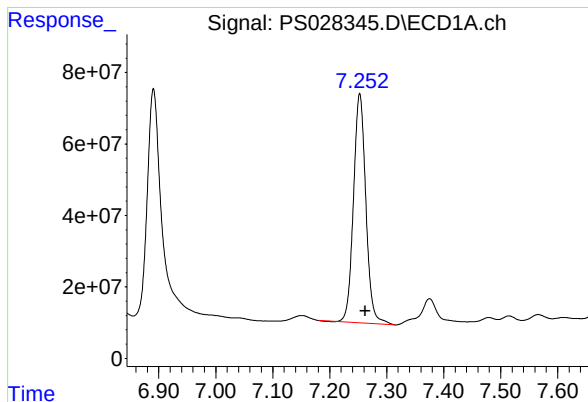
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 11/08/2024
Supervised By :Ankita Jodhani 11/08/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 08 04:46:18 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110624.M
Quant Title : 8080.M
QLast Update : Wed Nov 06 11:48:19 2024
Response via : Initial Calibration
Integrator: ChemStation

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





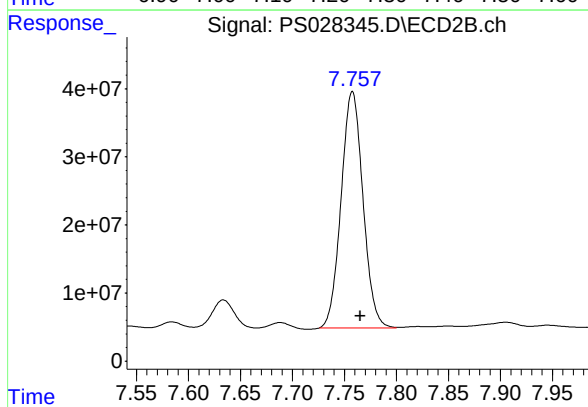
#4 2,4-DCAA

R.T.: 7.253 min
Delta R.T.: -0.010 min
Response: 963836470
Conc: 376.29 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB164393TB

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 11/08/2024
Supervised By :Ankita Jodhani 11/08/2024



#4 2,4-DCAA

R.T.: 7.757 min
Delta R.T.: -0.008 min
Response: 507921713
Conc: 291.61 ng/ml



CALIBRATION SUMMARY

[illegible]

RETENTION TIMES OF INITIAL CALIBRATION

Contract: PORT06
Lab Code: CHEM **Case No.:** P4578 **SAS No.:** P4578 **SDG NO.:** P4578
Instrument ID: ECD_S **Calibration Date(s):** 11/06/2024 11/06/2024
Calibration Times: 09:48 11:24

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

LAB FILE ID:	RT 200 = <u>PS028253.D</u>	RT 500 = <u>PS028254.D</u>
	RT 750 = <u>PS028255.D</u>	RT 1000 = <u>PS028256.D</u>
		RT 1500 = <u>PS028257.D</u>

COMPOUND	RT 200	RT 500	RT 750	RT 1000	RT 1500	MEAN RT	RT WINDOW FROM TO	
2,4,5-TP(Silvex)	9.92	9.92	9.92	9.92	9.92	9.92	9.82	10.02
2,4-D	9.02	9.02	9.02	9.02	9.02	9.02	8.92	9.12
2,4-DCAA	7.77	7.77	7.77	7.77	7.77	7.76	7.66	7.86



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

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: PORT06

Lab Code: CHEM Case No.: P4578 SAS No.: P4578 SDG NO.: P4578

Instrument ID: ECD_S

Calibration Date(s): 11/06/2024 11/06/2024

Calibration Times: 09:48 11:24

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

LAB FILE ID:		CF 200 =	<u>PS028253.D</u>	CF 500 =	<u>PS028254.D</u>		
CF 750 =		<u>PS028255.D</u>	CF 1000 =	<u>PS028256.D</u>	CF 1500 =	<u>PS028257.D</u>	
COMPOUND	CF 200	CF 500	CF 750	CF 1000	CF 1500	CF	% RSD
2,4,5-TP(Silvex)	18381400000	17393400000	17071400000	16437600000	15844400000	17025600000	6
2,4-D	3499520000	3198390000	3124710000	3013570000	2944350000	3156110000	7
2,4-DCAA	2911600000	2530960000	2546610000	2432090000	2385800000	2561410000	8

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: PORT06
Lab Code: CHEM **Case No.:** P4578 **SAS No.:** P4578 **SDG NO.:** P4578
Instrument ID: ECD_S **Calibration Date(s):** 11/06/2024 11/06/2024
Calibration Times: 09:48 11:24

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

LAB FILE ID:		CF 200 =	<u>PS028253.D</u>	CF 500 =	<u>PS028254.D</u>		
CF 750 =		<u>PS028255.D</u>	CF 1000 =	<u>PS028256.D</u>	CF 1500 =	<u>PS028257.D</u>	
COMPOUND	CF 200	CF 500	CF 750	CF 1000	CF 1500	CF	% RSD
2,4,5-TP(Silvex)	12950900000	12612000000	12578800000	12192000000	11879700000	12442700000	3
2,4-D	2348170000	2233230000	2226180000	2175820000	2167290000	2230140000	3
2,4-DCAA	1855960000	1741220000	1731630000	1690270000	1689820000	1741780000	4



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

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: PORT06

Lab Code: CHEM Case No.: P4578 SAS No.: P4578 SDG NO.: P4578

Instrument ID: _____ Date(s) Analyzed: _____

GC Column: _____ ID: _____ (mm)

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS110624\
 Data File : PS028253.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 06 Nov 2024 09:48
 Operator : AR\AJ
 Sample : HSTDICC200
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 HSTDICC200

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 06 11:36:54 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110624.M
 Quant Title : 8080.M
 QLast Update : Wed Nov 06 11:36:47 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
4) S	2,4-DCAA	7.262	7.765	582.3E6	371.2E6	223.512	211.533
Target Compounds							
1) T	Dalapon	2.653	2.711	642.4E6	562.1E6	181.633	189.953
2) T	3,5-DICHL...	6.429	6.716	776.6E6	497.7E6	203.432	195.199
3) T	4-Nitroph...	7.062	7.291	321.8E6	224.2E6	193.828	194.321
5) T	DICAMBA	7.451	7.966	2215.0E6	1497.1E6	195.228	186.177
6) T	MCPD	7.631	8.064	125.9E6	109.8E6	16.918	18.245
7) T	MCPA	7.780	8.309	187.1E6	163.1E6	18.066	19.509
8) T	DICHLORPROP	8.162	8.684	591.9E6	395.3E6	206.431	195.806
9) T	2,4-D	8.394	9.015	657.9E6	441.5E6	205.017	196.565
10) T	Pentachlo...	8.693	9.547	8878.0E6	5945.0E6	203.188	199.509
11) T	2,4,5-TP ...	9.276	9.923	3492.5E6	2460.7E6	201.633	195.549
12) T	2,4,5-T	9.569	10.345	3534.9E6	2429.8E6	200.660	195.776
13) T	2,4-DB	10.147	10.912	561.2E6	303.0E6	197.443	191.585
14) T	DINOSEB	11.364	11.292	2842.8E6	1680.5E6	194.787	191.515
15) T	Picloram	11.169	12.392	5567.6E6	3307.4E6	190.816	182.953
16) T	DCPA	11.656	12.339	4826.0E6	2771.8E6	200.001	195.462

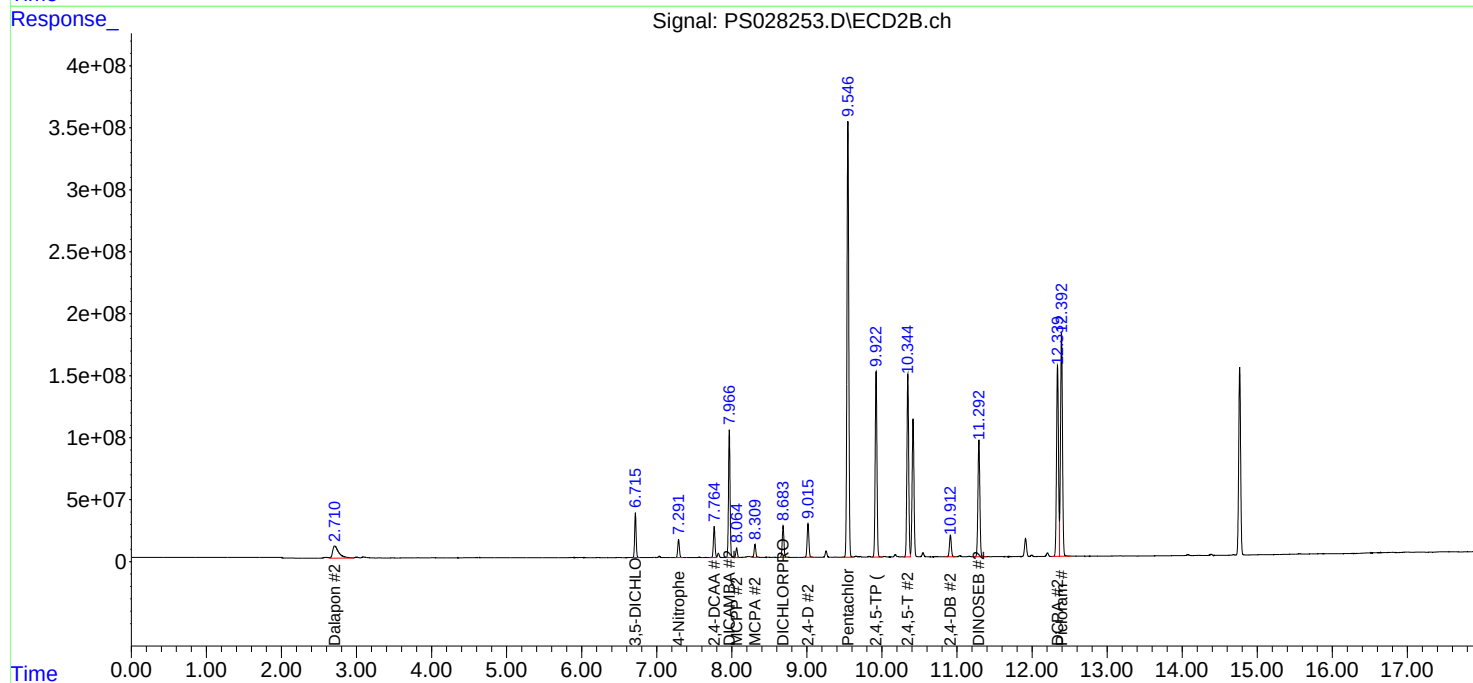
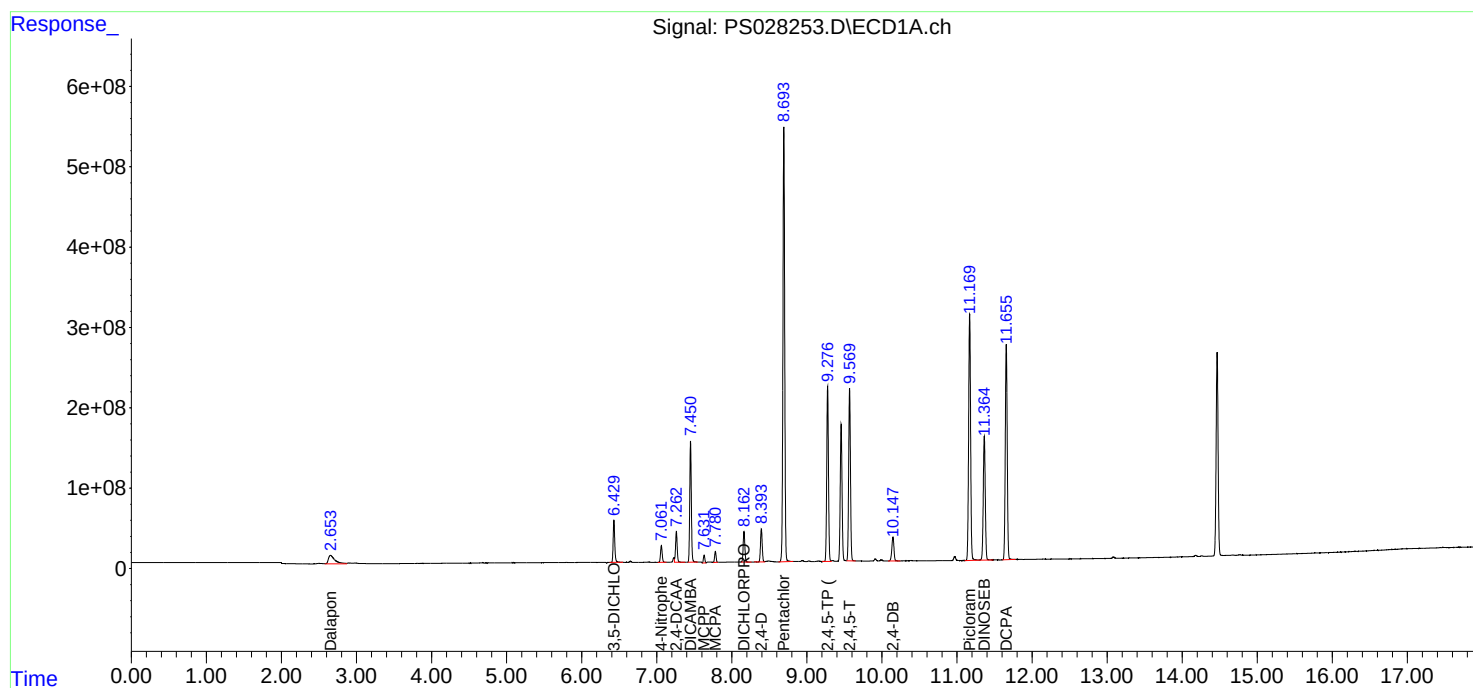
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS110624\
Data File : PS028253.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Nov 2024 09:48
Operator : AR\AJ
Sample : HSTDICC200
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDICC200

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 06 11:36:54 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110624.M
Quant Title : 8080.M
QLast Update : Wed Nov 06 11:36:47 2024
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\PS110624\
 Data File : PS028254.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 06 Nov 2024 10:12
 Operator : AR\AJ
 Sample : HSTDICC500
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 HSTDICC500

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 11/08/2024
 Supervised By : Ankita Jodhani 11/08/2024

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 06 11:33:09 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110624.M
 Quant Title : 8080.M
 QLast Update : Wed Nov 06 11:33:01 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
4) S	2,4-DCAA	7.262	7.765	1265.5E6	870.6E6	492.828m	501.380
Target Compounds							
1) T	Dalapon	2.654	2.710	1576.6E6	1334.9E6	449.078	454.559
2) T	3,5-DICHL...	6.431	6.716	1771.1E6	1178.0E6	470.764	465.677
3) T	4-Nitroph...	7.062	7.291	748.3E6	518.6E6	456.609	456.042
5) T	DICAMBA	7.452	7.967	5332.7E6	3769.1E6	471.139	466.034
6) T	MCPD	7.634	8.067	349.6E6	280.7E6	45.882	46.335
7) T	MCPA	7.784	8.312	480.5E6	382.5E6	45.988	46.343
8) T	DICHLORPROP	8.163	8.684	1341.1E6	943.2E6	475.774	470.524
9) T	2,4-D	8.394	9.016	1503.2E6	1049.6E6	475.477	470.744
10) T	Pentachlo...	8.694	9.546	21029.5E6	14322.7E6	481.316	479.818
11) T	2,4,5-TP ...	9.277	9.923	8261.8E6	5990.7E6	479.437	475.627
12) T	2,4,5-T	9.570	10.344	8407.1E6	5907.4E6	479.082	475.572
13) T	2,4-DB	10.147	10.912	1342.8E6	743.8E6	475.218	471.354
14) T	DINOSEB	11.365	11.293	6850.2E6	4122.6E6	470.326	469.215
15) T	Picloram	11.169	12.393	13862.1E6	8612.2E6	472.396	469.122
16) T	DCPA	11.657	12.339	11638.0E6	6852.1E6	482.282	480.529

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS110624\
Data File : PS028254.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Nov 2024 10:12
Operator : AR\AJ
Sample : HSTDICC500
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

HSTDICC500

Manual Integrations

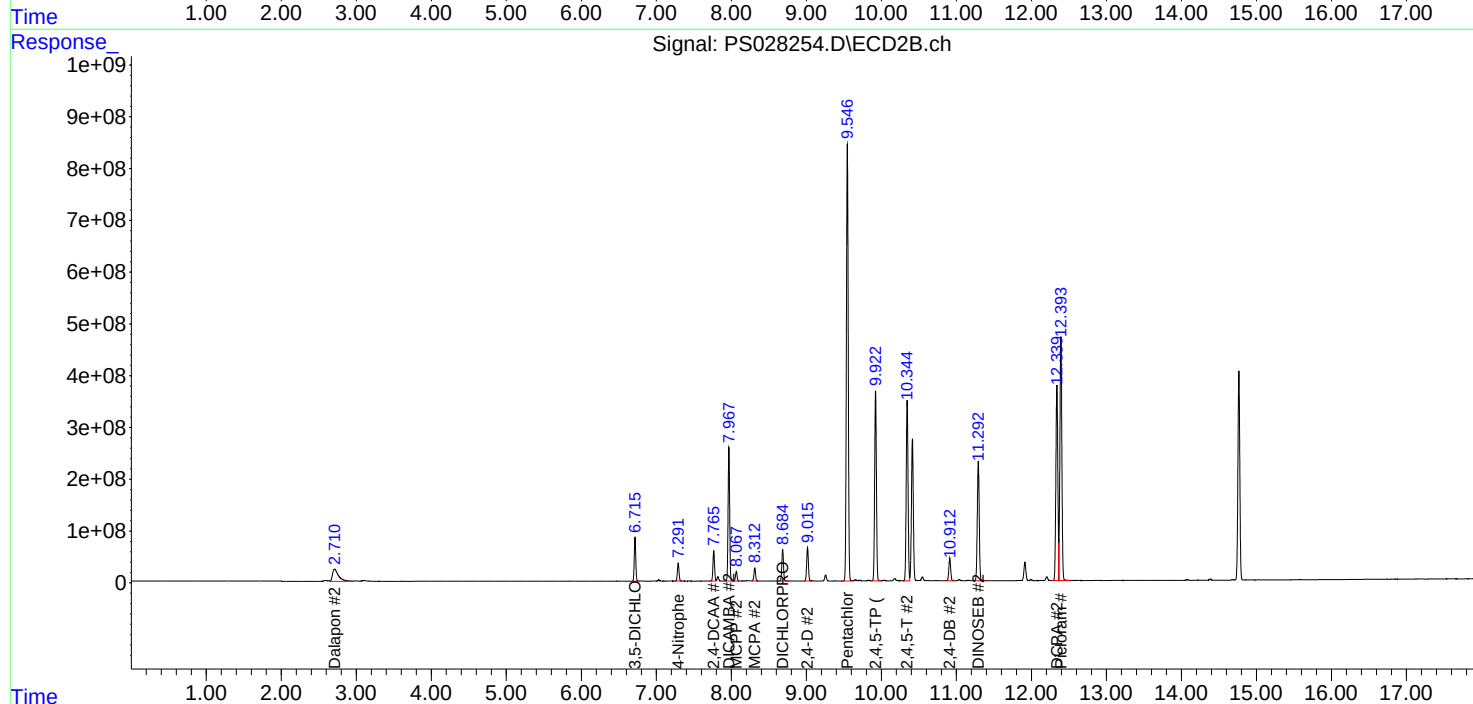
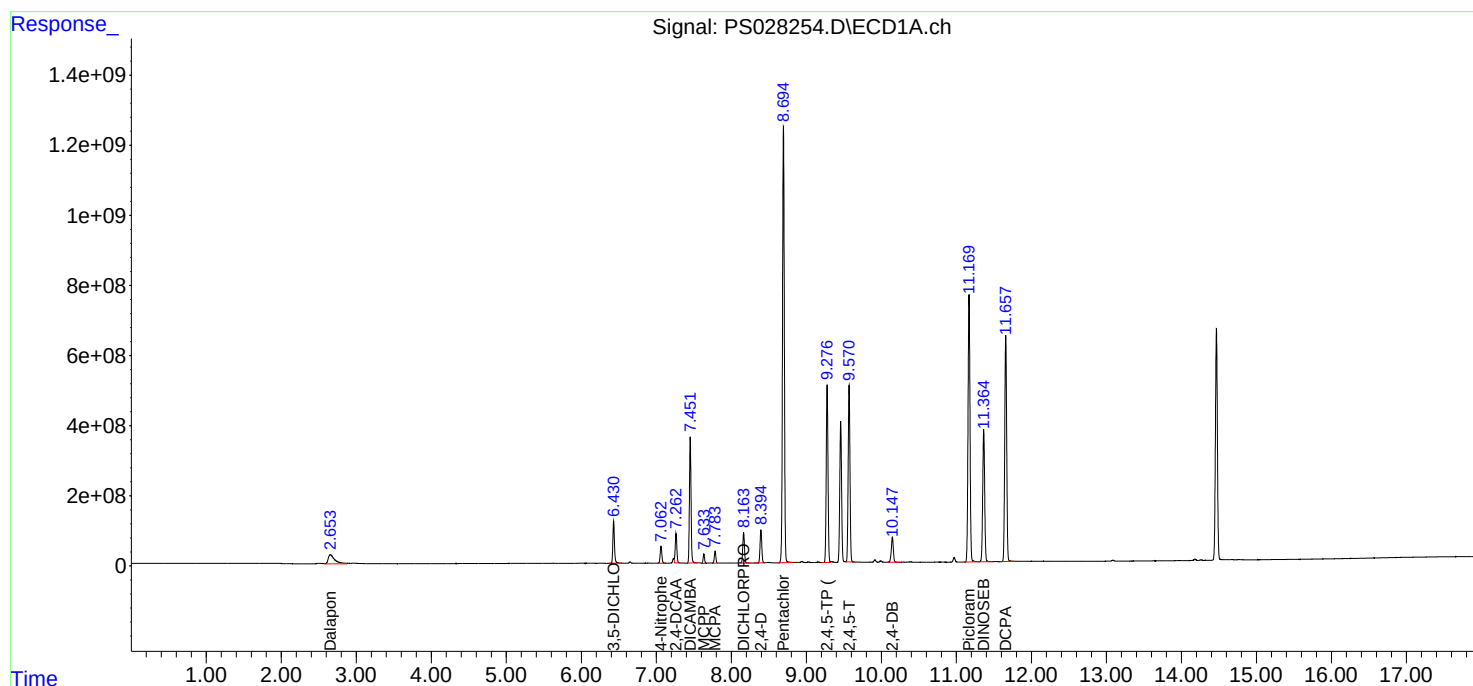
APPROVED

Reviewed By :Abdul Mirza 11/08/2024

Supervised By :Ankita Jodhani 11/08/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 06 11:33:09 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110624.M
Quant Title : 8080.M
QLast Update : Wed Nov 06 11:33:01 2024
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\PS110624\
 Data File : PS028255.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 06 Nov 2024 10:36
 Operator : AR\AJ
 Sample : HSTDICC750
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 HSTDICC750

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 06 11:12:08 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110624.M
 Quant Title : 8080.M
 QLast Update : Wed Nov 06 11:11:45 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
4) S	2,4-DCAA	7.262	7.765	1910.0E6	1298.7E6	750.000	750.000
Target Compounds							
1) T	Dalapon	2.653	2.709	2427.3E6	2006.2E6	682.500	682.500
2) T	3,5-DICHL...	6.429	6.715	2591.6E6	1761.8E6	697.500	697.500
3) T	4-Nitroph...	7.061	7.291	1114.6E6	774.4E6	682.500	682.500
5) T	DICAMBA	7.451	7.967	7960.3E6	5749.9E6	705.000	705.000
6) T	MCPD	7.635	8.069	549.9E6	433.1E6	70.500	70.500
7) T	MCPA	7.786	8.315	736.9E6	577.6E6	69.750	69.750
8) T	DICHLORPROP	8.163	8.684	1962.8E6	1411.6E6	705.000	705.000
9) T	2,4-D	8.394	9.015	2202.9E6	1569.5E6	705.000	705.000
10) T	Pentachlo...	8.694	9.547	30716.5E6	21052.6E6	712.500	712.500
11) T	2,4,5-TP ...	9.277	9.923	12163.4E6	8962.4E6	712.500	712.500
12) T	2,4,5-T	9.569	10.344	12395.8E6	8839.8E6	712.500	712.500
13) T	2,4-DB	10.147	10.912	2012.4E6	1132.9E6	712.500	712.500
14) T	DINOSEB	11.364	11.291	10261.0E6	6204.5E6	705.000	705.000
15) T	Picloram	11.169	12.393	21022.4E6	13242.0E6	712.500	712.500
16) T	DCPA	11.657	12.339	17291.9E6	10255.6E6	720.000	720.000

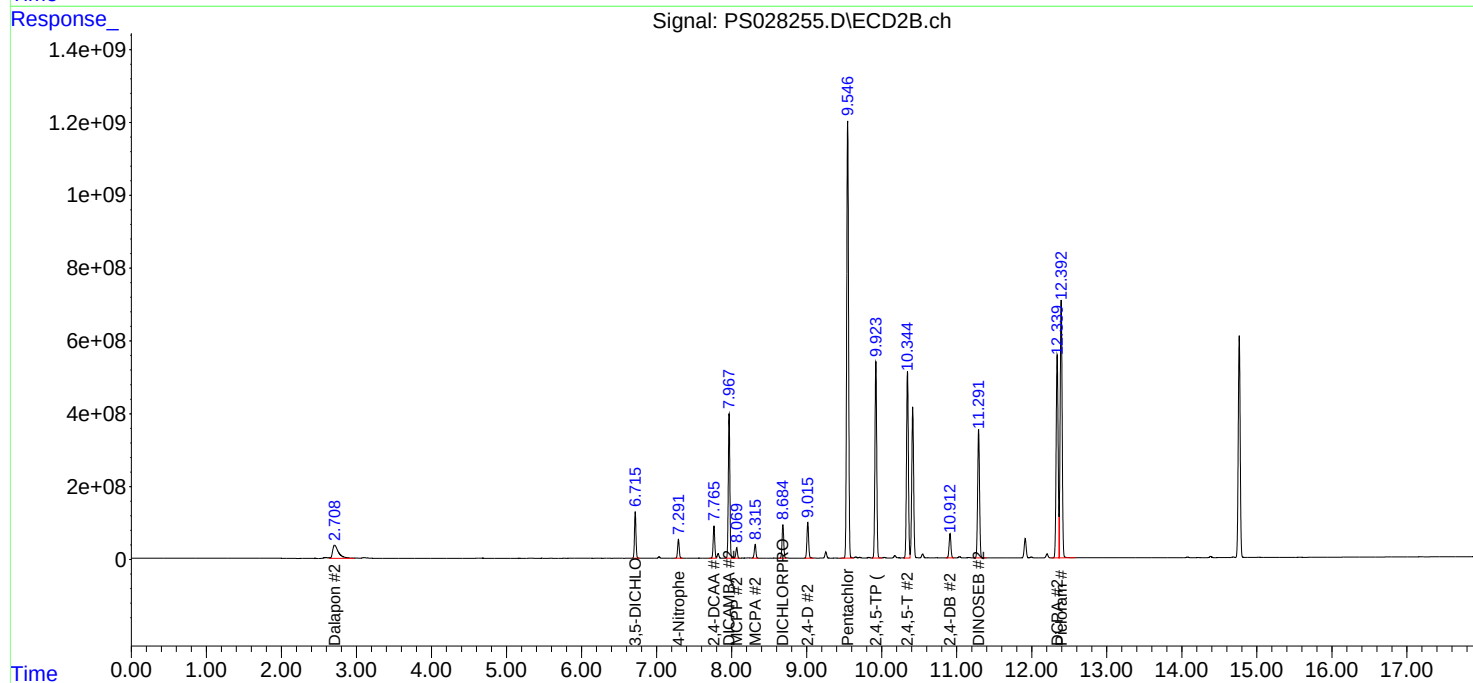
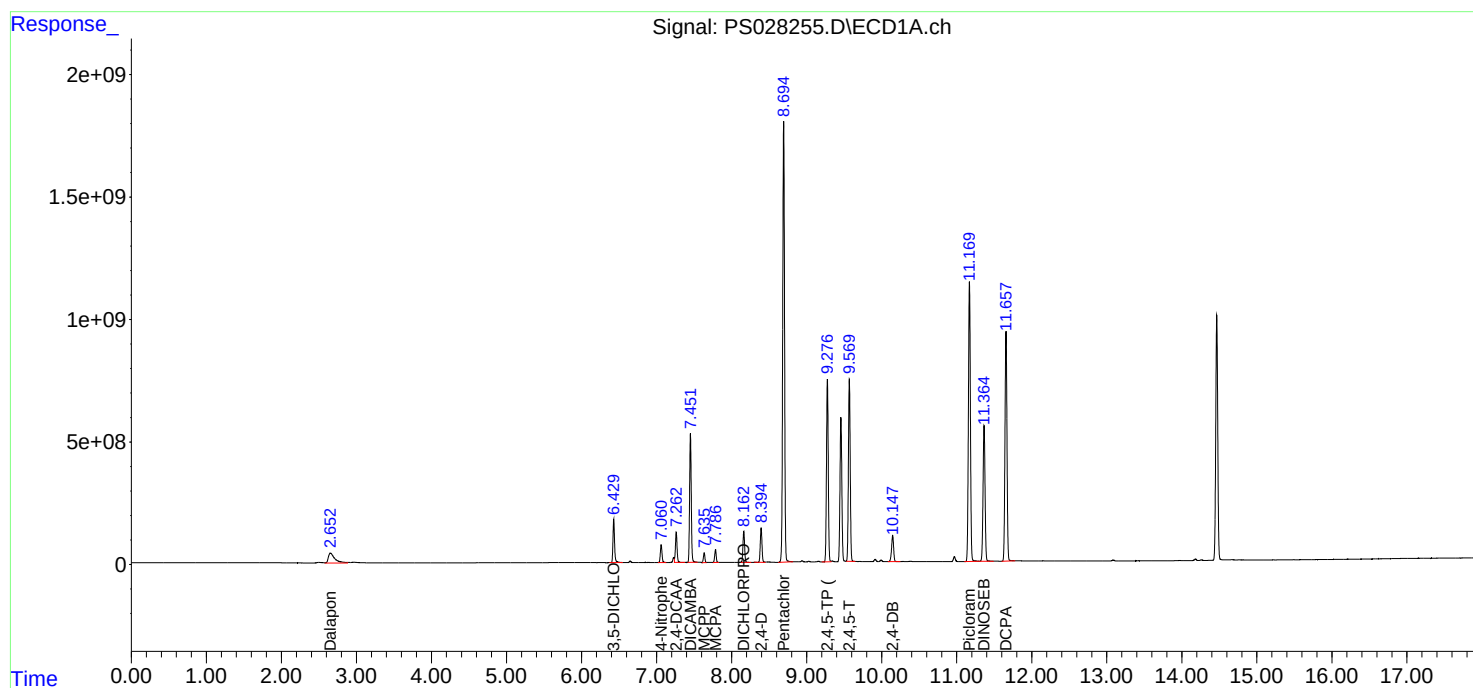
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS110624\
Data File : PS028255.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Nov 2024 10:36
Operator : AR\AJ
Sample : HSTDICC750
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 06 11:12:08 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110624.M
Quant Title : 8080.M
QLast Update : Wed Nov 06 11:11:45 2024
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\PS110624\
 Data File : PS028256.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 06 Nov 2024 11:00
 Operator : AR\AJ
 Sample : HSTDICC1000
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 HSTDICC1000

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 11/08/2024
 Supervised By :Ankita Jodhani 11/08/2024

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 06 11:35:07 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110624.M
 Quant Title : 8080.M
 QLast Update : Wed Nov 06 11:34:58 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
4) S	2,4-DCAA	7.262	7.765	2432.1E6	1690.3E6	975.961m	982.122
Target Compounds							
1) T	Dalapon	2.654	2.711	3271.7E6	2616.2E6	924.484	897.149
2) T	3,5-DICHL...	6.430	6.716	3320.2E6	2292.0E6	897.791	913.929
3) T	4-Nitroph...	7.061	7.291	1451.5E6	1008.8E6	893.624	894.555
5) T	DICAMBA	7.451	7.966	10305.4E6	7545.2E6	920.113	935.276
6) T	MCPD	7.637	8.070	737.2E6	575.3E6	95.823	94.645
7) T	MCPA	7.788	8.317	972.9E6	759.1E6	93.073	92.311
8) T	DICHLORPROP	8.162	8.684	2522.2E6	1845.8E6	909.363	927.122
9) T	2,4-D	8.393	9.015	2832.8E6	2045.3E6	910.203	924.732
10) T	Pentachlo...	8.694	9.546	38630.9E6	26793.0E6	905.074	914.400
11) T	2,4,5-TP ...	9.276	9.922	15615.7E6	11582.4E6	920.331	929.499
12) T	2,4,5-T	9.569	10.344	15926.5E6	11412.0E6	921.290	928.908
13) T	2,4-DB	10.147	10.912	2626.1E6	1496.6E6	936.143	948.946
14) T	DINOSEB	11.365	11.292	13278.9E6	8073.2E6	920.952	925.804
15) T	Picloram	11.169	12.392	27284.2E6	17278.1E6	936.433	944.096
16) T	DCPA	11.657	12.339	22197.4E6	13216.4E6	932.863	937.639

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS110624\
Data File : PS028256.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Nov 2024 11:00
Operator : AR\AJ
Sample : HSTDICC1000
Misc :
ALS Vial : 6 Sample Multiplier: 1

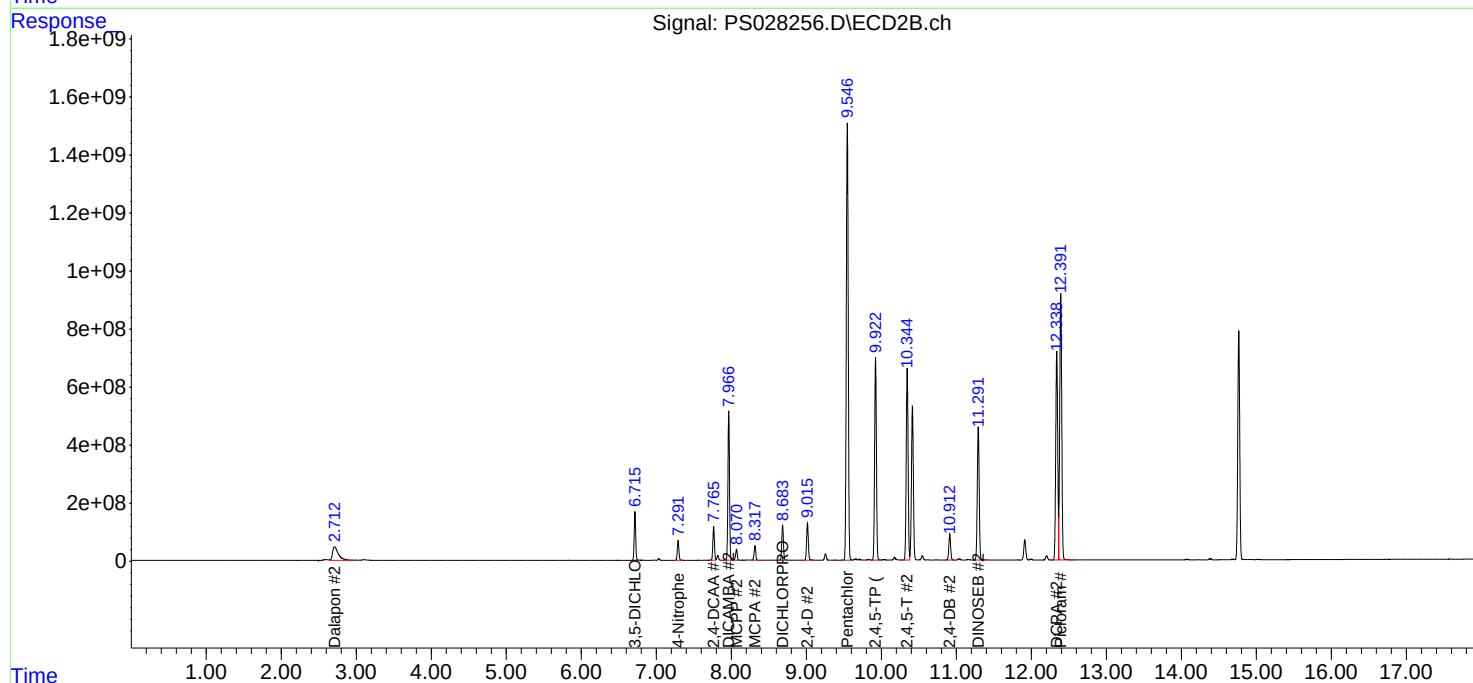
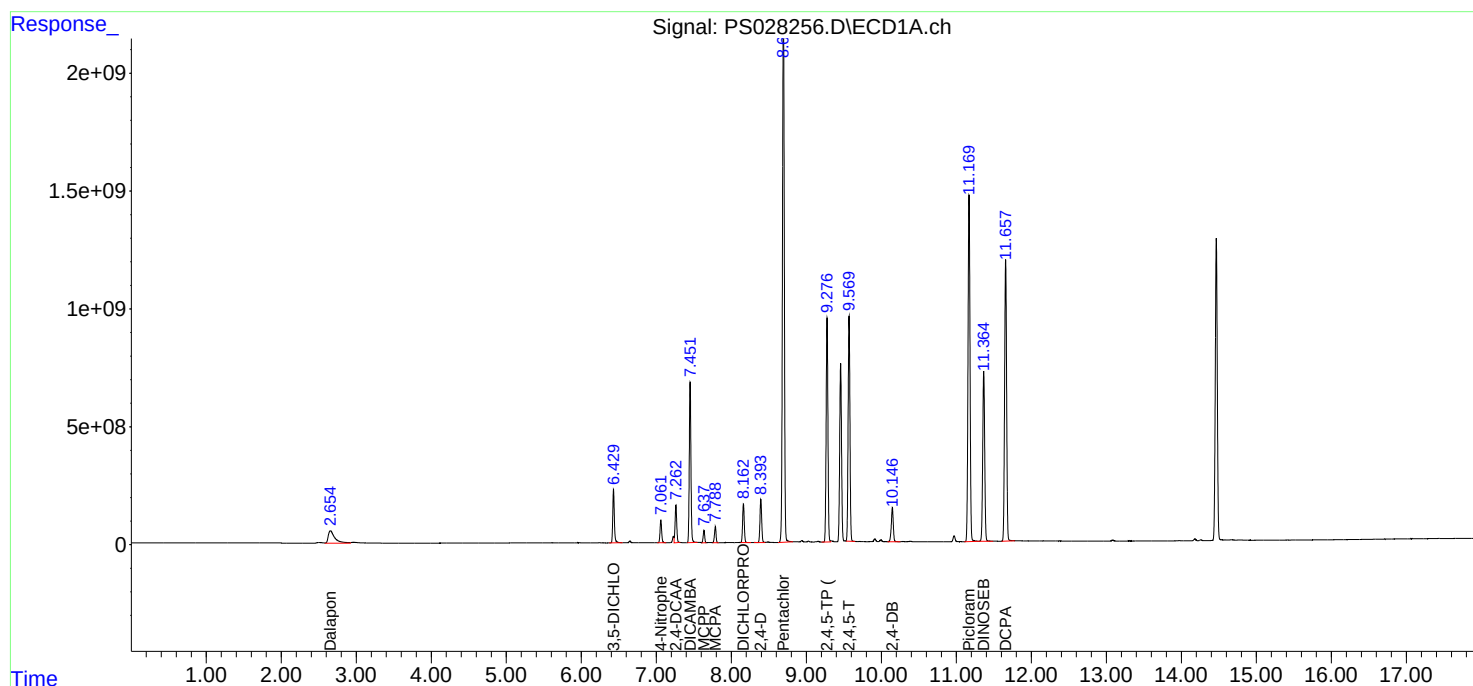
Instrument :
ECD_S
ClientSampleId :
HSTDICC1000

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 11/08/2024
Supervised By :Ankita Jodhani 11/08/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 06 11:35:07 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110624.M
Quant Title : 8080.M
QLast Update : Wed Nov 06 11:34:58 2024
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\PS110624\
 Data File : PS028257.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 06 Nov 2024 11:24
 Operator : AR\AJ
 Sample : HSTDICC1500
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 HSTDICC1500

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 06 11:47:23 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110624.M
 Quant Title : 8080.M
 QLast Update : Wed Nov 06 11:47:11 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
4) S	2,4-DCAA	7.263	7.765	3578.7E6	2534.7E6	1397.159	1455.253
Target Compounds							
1) T	Dalapon	2.654	2.710	4981.8E6	3925.2E6	1399.712	1333.953
2) T	3,5-DICHL...	6.430	6.716	4846.4E6	3424.5E6	1292.795	1353.090
3) T	4-Nitroph...	7.062	7.292	2179.8E6	1521.9E6	1323.022	1328.039
5) T	DICAMBA	7.452	7.967	15172.0E6	11276.2E6	1351.202	1403.807
6) T	MCPD	7.641	8.074	1146.8E6	885.2E6	151.249	145.801
7) T	MCPA	7.793	8.322	1484.1E6	1151.7E6	142.554	138.113
8) T	DICHLORPROP	8.163	8.684	3704.4E6	2778.9E6	1313.961	1383.038
9) T	2,4-D	8.394	9.015	4151.5E6	3055.9E6	1315.396	1370.262
10) T	Pentachlo...	8.696	9.546	47081.5E6	37948.1E6	1132.782	1301.165
11) T	2,4,5-TP ...	9.276	9.922	22578.3E6	16928.6E6	1326.135	1360.521
12) T	2,4,5-T	9.570	10.344	23100.9E6	16657.6E6	1332.578	1357.941
13) T	2,4-DB	10.147	10.912	3937.4E6	2277.8E6	1393.030	1437.213
14) T	DINOSEB	11.364	11.291	19623.9E6	11997.1E6	1357.212	1375.556
15) T	Picloram	11.169	12.392	40302.3E6	25436.4E6	1389.789	1410.611
16) T	DCPA	11.657	12.339	32077.6E6	19195.1E6	1350.108	1370.053

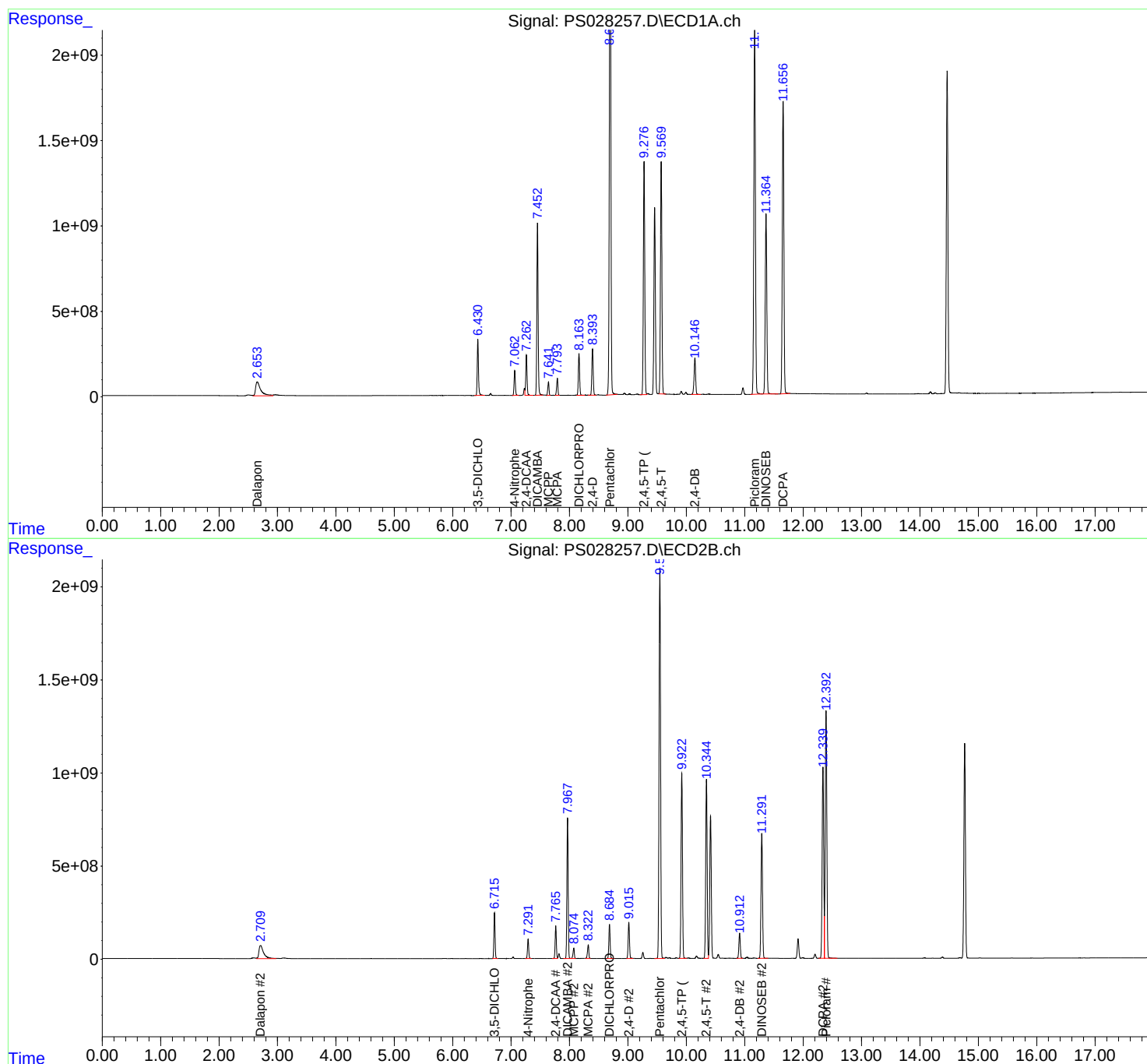
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS110624\
Data File : PS028257.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Nov 2024 11:24
Operator : AR\AJ
Sample : HSTDICC1500
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 06 11:47:23 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110624.M
Quant Title : 8080.M
QLast Update : Wed Nov 06 11:47:11 2024
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\PS110624\
 Data File : PS028258.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 06 Nov 2024 11:48
 Operator : AR\AJ
 Sample : HSTDICV750
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 ICVPS110624

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 11/08/2024
 Supervised By :Ankita Jodhani 11/08/2024

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 06 12:11:51 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110624.M
 Quant Title : 8080.M
 QLast Update : Wed Nov 06 11:48:19 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
4) S	2,4-DCAA	7.262	7.765	1909.2E6	1293.6E6	745.363m	742.673
Target Compounds							
1) T	Dalapon	2.654	2.709	2373.4E6	1927.9E6	666.847	655.176
2) T	3,5-DICHL...	6.430	6.715	2570.6E6	1755.0E6	685.711	693.418
3) T	4-Nitroph...	7.062	7.292	1107.2E6	767.5E6	672.021	669.796
5) T	DICAMBA	7.452	7.967	7889.1E6	5731.6E6	702.591	713.550
6) T	MCPD	7.636	8.068	542.8E6	432.6E6	71.588	71.259
7) T	MCPA	7.786	8.314	725.3E6	577.6E6	69.669	69.262
8) T	DICHLORPROP	8.163	8.684	1952.7E6	1408.3E6	692.610	700.894
9) T	2,4-D	8.394	9.015	2195.2E6	1559.6E6	695.547	699.350
10) T	Pentachlo...	8.694	9.546	30589.2E6	20926.4E6	735.976	717.525
11) T	2,4,5-TP ...	9.277	9.922	12149.8E6	8927.5E6	713.618	717.488
12) T	2,4,5-T	9.570	10.344	12376.6E6	8776.4E6	713.944	715.459
13) T	2,4-DB	10.147	10.912	2007.4E6	1125.1E6	710.202	709.878
14) T	DINOSEB	11.365	11.291	10291.5E6	6191.3E6	711.775	709.875
15) T	Picloram	11.170	12.392	20981.7E6	13132.8E6	723.535	728.298
16) T	DCPA	11.657	12.338	17237.5E6	10137.8E6	725.504	723.586

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS110624\
Data File : PS028258.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Nov 2024 11:48
Operator : AR\AJ
Sample : HSTDICV750
Misc :
ALS Vial : 8 Sample Multiplier: 1

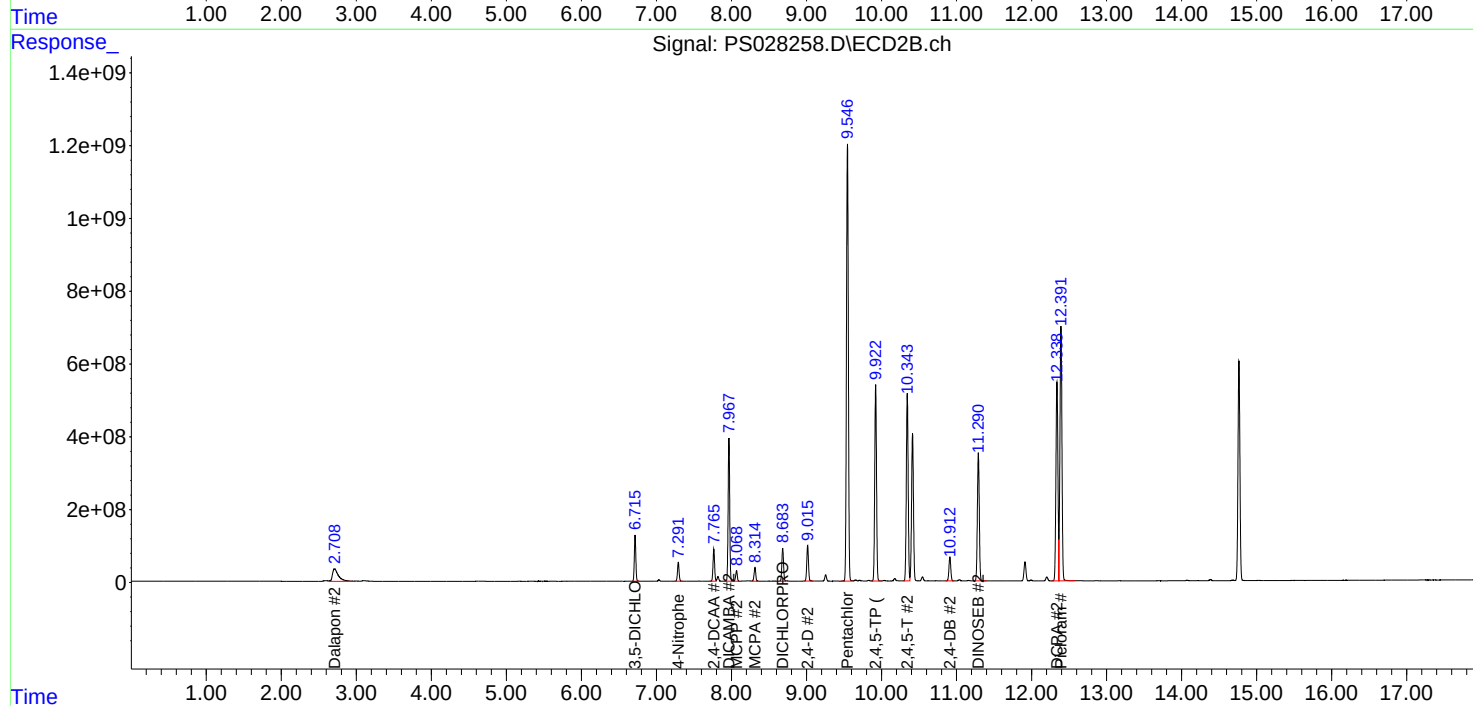
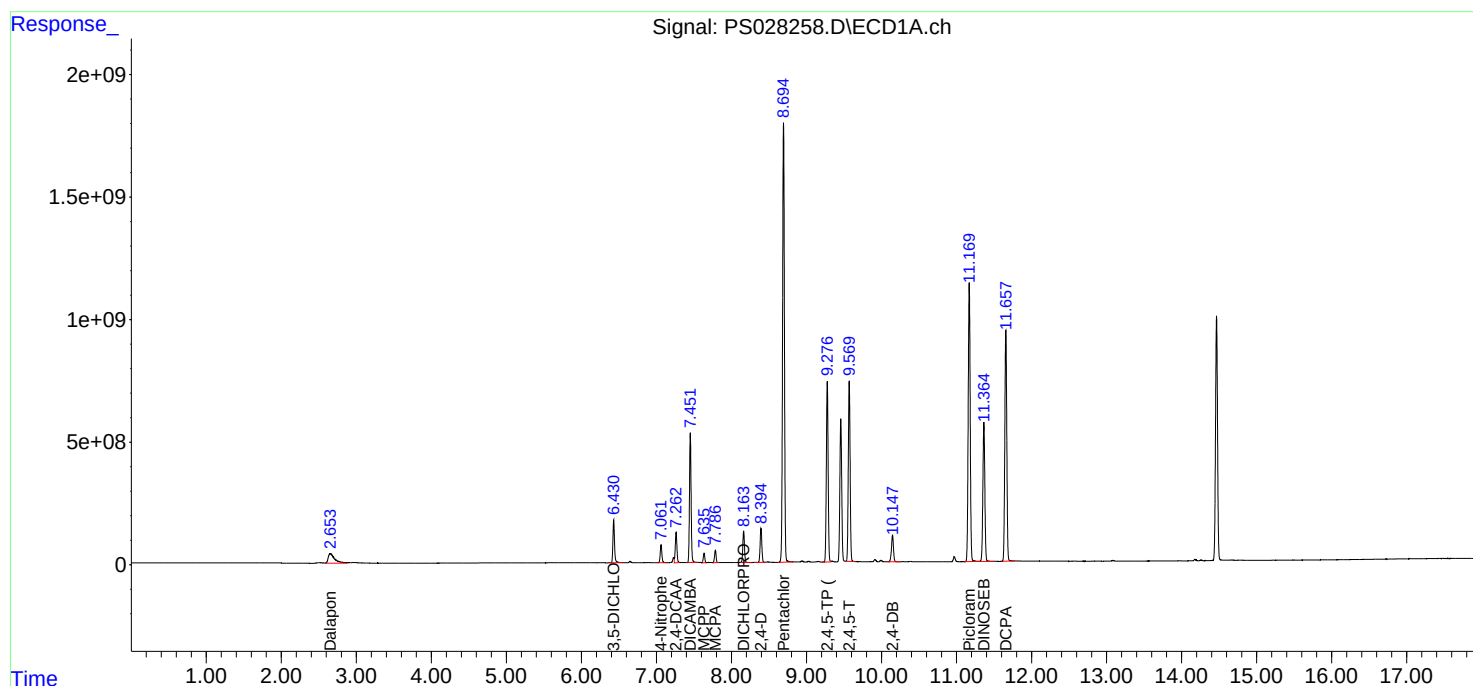
Instrument :
ECD_S
ClientSampleId :
ICVPS110624

Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 11/08/2024
Supervised By : Ankita Jodhani 11/08/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 06 12:11:51 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110624.M
Quant Title : 8080.M
QLast Update : Wed Nov 06 11:48:19 2024
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: PORT06

Lab Code: CHEM Case No.: P4578 SAS No.: P4578 SDG NO.: P4578

Continuing Calib Date: 11/06/2024 Initial Calibration Date(s): 11/06/2024 11/06/2024

Continuing Calib Time: 12:38 Initial Calibration Time(s): 09:48 11:24

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
2,4-DCAA	7.26	7.26	7.16	7.36	0.00
2,4-D	8.39	8.39	8.29	8.49	0.00
2,4,5-TP(Silvex)	9.28	9.28	9.18	9.38	0.00



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

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: P4578 SAS No.: P4578 SDG NO.: P4578

Continuing Calib Date: 11/06/2024 Initial Calibration Date(s): 11/06/2024 11/06/2024

Continuing Calib Time: 12:38 Initial Calibration Time(s): 09:48 11:24

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
2,4-DCAA	7.77	7.77	7.67	7.87	0.01
2,4-D	9.02	9.02	8.92	9.12	0.00
2,4,5-TP(Silvex)	9.92	9.92	9.82	10.02	0.00



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

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: P4578 SAS No.: P4578 SDG NO.: P4578

GC Column: RTX-CLP ID: 0.32 (mm) Initi. Calib. Date(s): 11/06/2024 11/06/2024

Client Sample No.: CCAL01 Date Analyzed: 11/06/2024

Lab Sample No.: HSTDCCC750 Data File : PS028260.D Time Analyzed: 12:38

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
2,4,5-TP(Silvex)	9.277	9.177	9.377	725.700	712.500	1.9
2,4-D	8.394	8.294	8.494	710.400	705.000	0.8
2,4-DCAA	7.262	7.162	7.362	757.550	750.000	1.0



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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: P4578 SAS No.: P4578 SDG NO.: P4578

GC Column: RTX-CLP2 ID: 0.32 (mm) Initi. Calib. Date(s): 11/06/2024 11/06/2024

Client Sample No.: CCAL01 Date Analyzed: 11/06/2024

Lab Sample No.: HSTDCCC750 Data File : PS028260.D Time Analyzed: 12:38

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
2,4,5-TP(Silvex)	9.922	9.823	10.023	729.510	712.500	2.4
2,4-D	9.015	8.915	9.115	713.640	705.000	1.2
2,4-DCAA	7.765	7.665	7.865	759.640	750.000	1.3

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS110624\
 Data File : PS028260.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 06 Nov 2024 12:38
 Operator : AR\AJ
 Sample : HSTDCCC750
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 HSTDCCC750

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 06 13:03:00 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110624.M
 Quant Title : 8080.M
 QLast Update : Wed Nov 06 11:48:19 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
4) S	2,4-DCAA	7.262	7.765	1940.4E6	1323.1E6	757.554	759.638
Target Compounds							
1) T	Dalapon	2.654	2.710	2422.8E6	1934.1E6	680.712	657.314
2) T	3,5-DICHL...	6.430	6.715	2616.8E6	1791.9E6	698.043	708.008
3) T	4-Nitroph...	7.062	7.291	1130.7E6	781.6E6	686.307	682.094
5) T	DICAMBA	7.452	7.966	8061.2E6	5856.9E6	717.919	729.150
6) T	MCPD	7.636	8.068	554.0E6	444.6E6	73.059	73.222
7) T	MCPA	7.786	8.314	742.3E6	590.6E6	71.294	70.830
8) T	DICHLORPROP	8.163	8.683	1997.8E6	1442.2E6	708.617	717.771
9) T	2,4-D	8.394	9.015	2242.1E6	1591.5E6	710.403	713.638
10) T	Pentachlo...	8.694	9.546	31205.3E6	21306.6E6	750.800	730.563
11) T	2,4,5-TP ...	9.277	9.922	12355.4E6	9077.0E6	725.695	729.508
12) T	2,4,5-T	9.570	10.344	12635.1E6	8881.9E6	728.855	724.057
13) T	2,4-DB	10.147	10.912	2048.9E6	1144.5E6	724.870	722.109
14) T	DINOSEB	11.366	11.292	10471.5E6	6255.8E6	724.223	717.278
15) T	Picloram	11.169	12.392	21319.4E6	13217.9E6	735.181	733.019
16) T	DCPA	11.658	12.338	17577.6E6	10226.3E6	739.820	729.905

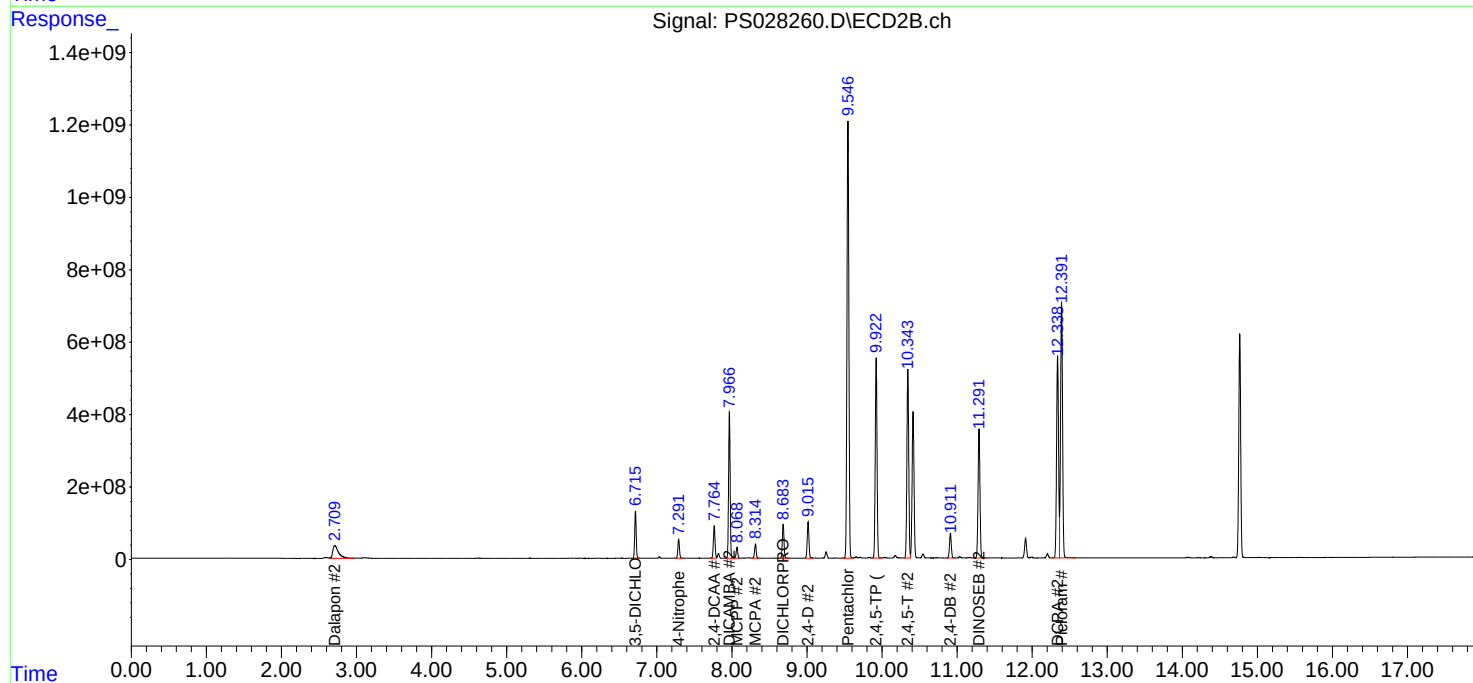
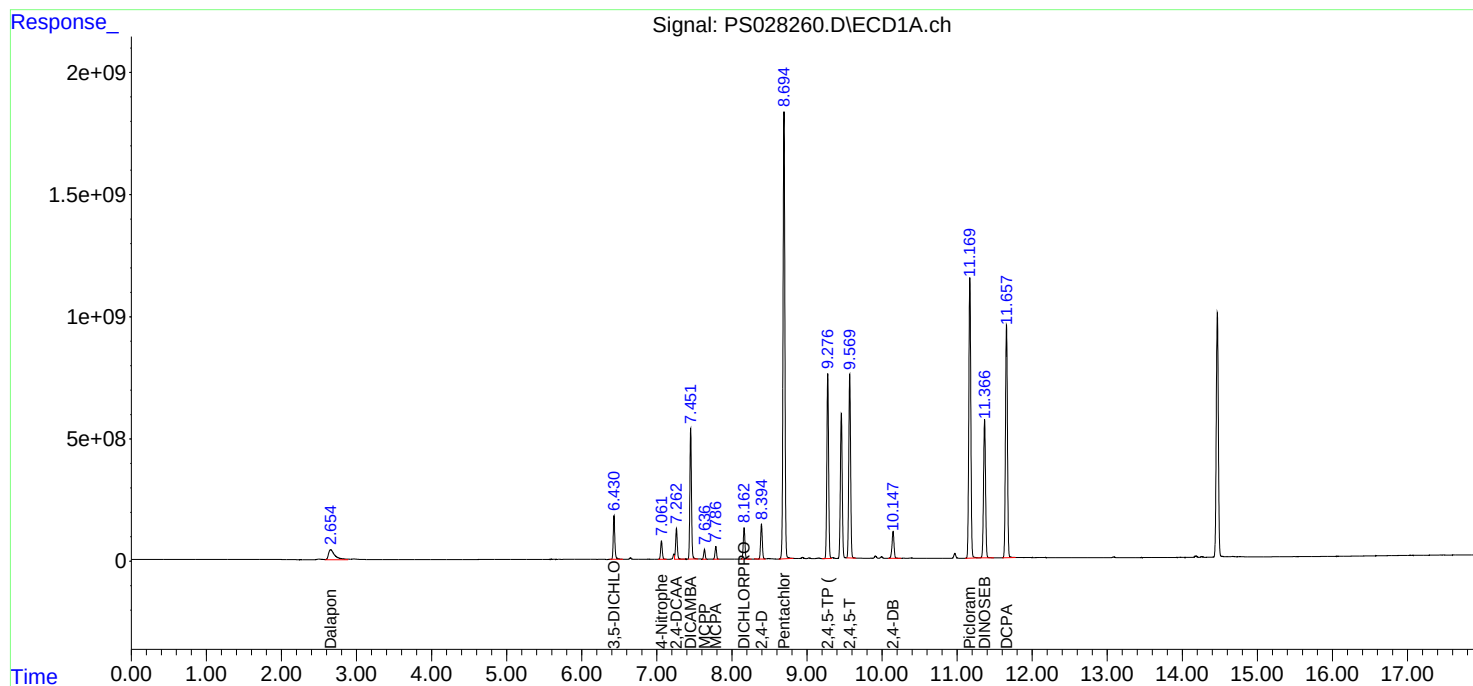
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS110624\
Data File : PS028260.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Nov 2024 12:38
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 06 13:03:00 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110624.M
Quant Title : 8080.M
QLast Update : Wed Nov 06 11:48:19 2024
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: PORT06

Lab Code: CHEM Case No.: P4578 SAS No.: P4578 SDG NO.: P4578

Continuing Calib Date: 11/06/2024 Initial Calibration Date(s): 11/06/2024 11/06/2024

Continuing Calib Time: 18:15 Initial Calibration Time(s): 09:48 11:24

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
2,4-DCAA	7.26	7.26	7.16	7.36	0.00
2,4-D	8.39	8.39	8.29	8.49	0.00
2,4,5-TP(Silvex)	9.28	9.28	9.18	9.38	0.00



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

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: P4578 SAS No.: P4578 SDG NO.: P4578

Continuing Calib Date: 11/06/2024 Initial Calibration Date(s): 11/06/2024 11/06/2024

Continuing Calib Time: 18:15 Initial Calibration Time(s): 09:48 11:24

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
2,4-DCAA	7.76	7.77	7.67	7.87	0.01
2,4-D	9.01	9.02	8.92	9.12	0.01
2,4,5-TP(Silvex)	9.92	9.92	9.82	10.02	0.00



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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: P4578 SAS No.: P4578 SDG NO.: P4578

GC Column: RTX-CLP ID: 0.32 (mm) Initi. Calib. Date(s): 11/06/2024 11/06/2024

Client Sample No.: CCAL02 Date Analyzed: 11/06/2024

Lab Sample No.: HSTDCCC750 Data File : PS028272.D Time Analyzed: 18:15

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
2,4,5-TP(Silvex)	9.276	9.177	9.377	748.270	712.500	5.0
2,4-D	8.393	8.294	8.494	733.030	705.000	4.0
2,4-DCAA	7.261	7.162	7.362	777.510	750.000	3.7



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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: P4578 SAS No.: P4578 SDG NO.: P4578

GC Column: RTX-CLP2 ID: 0.32 (mm) Initi. Calib. Date(s): 11/06/2024 11/06/2024

Client Sample No.: CCAL02 Date Analyzed: 11/06/2024

Lab Sample No.: HSTDCCC750 Data File : PS028272.D Time Analyzed: 18:15

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
2,4,5-TP(Silvex)	9.922	9.823	10.023	740.260	712.500	3.9
2,4-D	9.014	8.915	9.115	721.950	705.000	2.4
2,4-DCAA	7.764	7.665	7.865	776.030	750.000	3.5

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS110624\
 Data File : PS028272.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 06 Nov 2024 18:15
 Operator : AR\AJ
 Sample : HSTDCCC750
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 HSTDCCC750

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 11/08/2024
 Supervised By :Ankita Jodhani 11/08/2024

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 07 00:44:36 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110624.M
 Quant Title : 8080.M
 QLast Update : Wed Nov 06 11:48:19 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
4) S	2,4-DCAA	7.261	7.764	1991.5E6	1351.7E6	777.507	776.034
Target Compounds							
1) T	Dalapon	2.656	2.713	2493.9E6	1943.5E6	700.692	660.509
2) T	3,5-DICHL...	6.429	6.714	2674.7E6	1847.1E6	713.484	729.798m
3) T	4-Nitroph...	7.060	7.290	1160.3E6	782.6E6	704.281	682.953
5) T	DICAMBA	7.450	7.966	8263.4E6	6009.4E6	735.925	748.125
6) T	MCPD	7.634	8.068	572.4E6	462.1E6	75.490	76.119
7) T	MCPA	7.785	8.314	763.5E6	612.8E6	73.331	73.493
8) T	DICHLORPROP	8.162	8.683	2061.2E6	1468.8E6	731.120	731.014
9) T	2,4-D	8.393	9.014	2313.5E6	1610.0E6	733.032	721.949
10) T	Pentachlo...	8.693	9.545	32138.5E6	21434.8E6	773.254	734.959
11) T	2,4,5-TP ...	9.276	9.922	12739.8E6	9210.8E6	748.272	740.257
12) T	2,4,5-T	9.569	10.343	13059.9E6	8954.5E6	753.361	729.976
13) T	2,4-DB	10.146	10.911	2111.5E6	1141.0E6	747.016	719.940
14) T	DINOSEB	11.363	11.291	10844.3E6	6236.7E6	750.002	715.078
15) T	Picloram	11.168	12.391	21682.2E6	12937.4E6	747.691	717.462
16) T	DCPA	11.656	12.338	18151.1E6	10132.8E6	763.958	723.226

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS110624\
Data File : PS028272.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Nov 2024 18:15
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 5 Sample Multiplier: 1

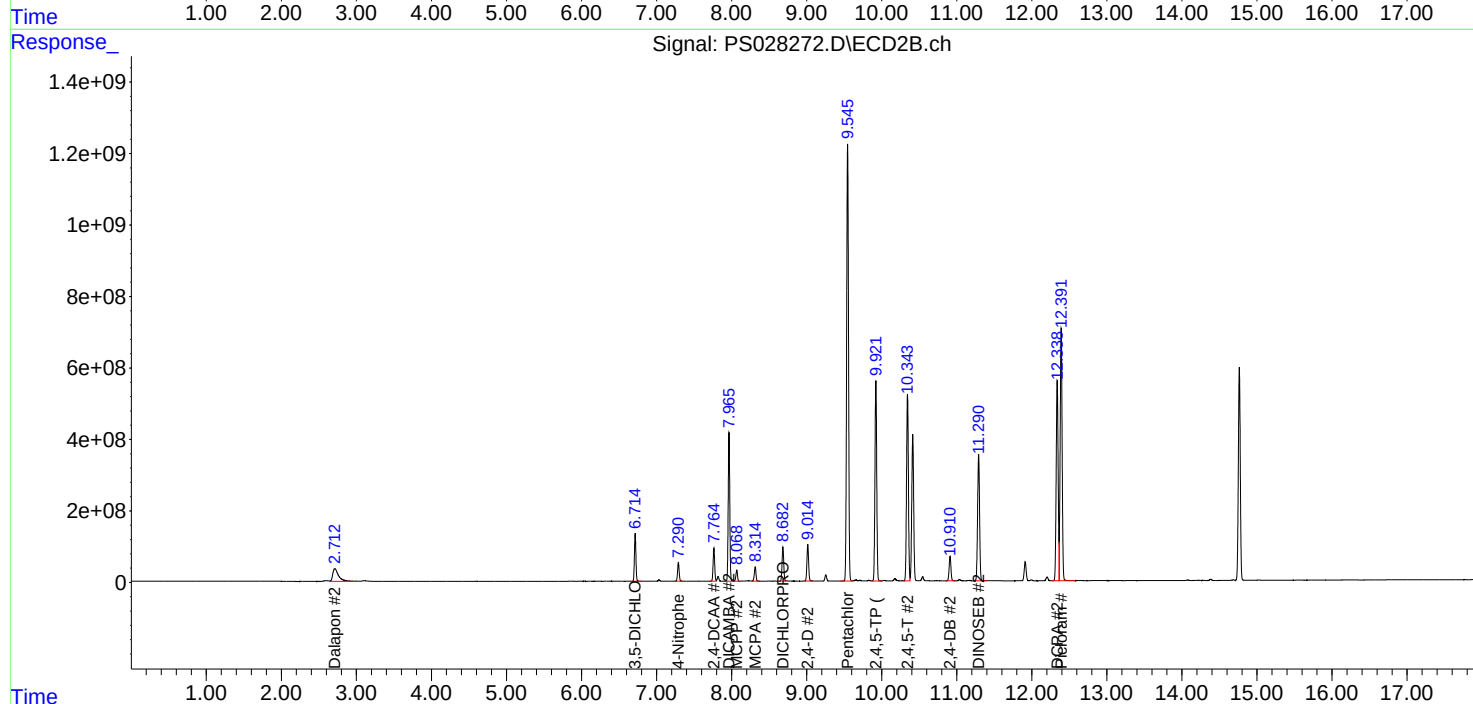
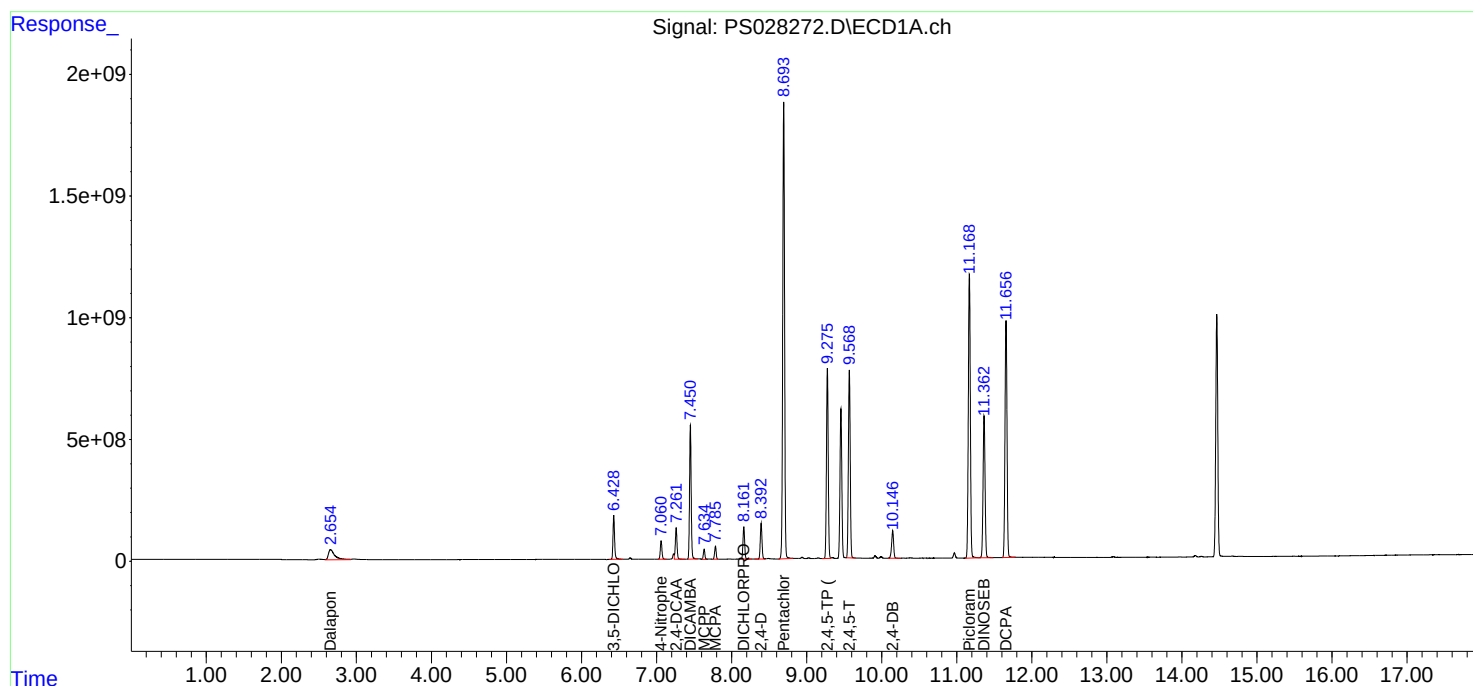
Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 11/08/2024
Supervised By : Ankita Jodhani 11/08/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 07 00:44:36 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110624.M
Quant Title : 8080.M
QLast Update : Wed Nov 06 11:48:19 2024
Response via : Initial Calibration
Integrator: ChemStation

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





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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: P4578 SAS No.: P4578 SDG NO.: P4578

Continuing Calib Date: 11/06/2024 Initial Calibration Date(s): 11/06/2024 11/06/2024

Continuing Calib Time: 23:03 Initial Calibration Time(s): 09:48 11:24

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
2,4-DCAA	7.26	7.26	7.16	7.36	0.00
2,4-D	8.39	8.39	8.29	8.49	0.00
2,4,5-TP(Silvex)	9.27	9.28	9.18	9.38	0.01



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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: P4578 SAS No.: P4578 SDG NO.: P4578

Continuing Calib Date: 11/06/2024 Initial Calibration Date(s): 11/06/2024 11/06/2024

Continuing Calib Time: 23:03 Initial Calibration Time(s): 09:48 11:24

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
2,4-DCAA	7.76	7.77	7.67	7.87	0.01
2,4-D	9.01	9.02	8.92	9.12	0.01
2,4,5-TP(Silvex)	9.92	9.92	9.82	10.02	0.00



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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: P4578 SAS No.: P4578 SDG NO.: P4578

GC Column: RTX-CLP ID: 0.32 (mm) Initi. Calib. Date(s): 11/06/2024 11/06/2024

Client Sample No.: CCAL03 Date Analyzed: 11/06/2024

Lab Sample No.: HSTDCCC750 Data File : PS028284.D Time Analyzed: 23:03

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
2,4,5-TP(Silvex)	9.274	9.177	9.377	764.460	712.500	7.3
2,4-D	8.391	8.294	8.494	746.130	705.000	5.8
2,4-DCAA	7.260	7.162	7.362	788.410	750.000	5.1



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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: P4578 SAS No.: P4578 SDG NO.: P4578

GC Column: RTX-CLP2 ID: 0.32 (mm) Initi. Calib. Date(s): 11/06/2024 11/06/2024

Client Sample No.: CCAL03 Date Analyzed: 11/06/2024

Lab Sample No.: HSTDCCC750 Data File : PS028284.D Time Analyzed: 23:03

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
2,4,5-TP(Silvex)	9.921	9.823	10.023	729.370	712.500	2.4
2,4-D	9.013	8.915	9.115	714.340	705.000	1.3
2,4-DCAA	7.763	7.665	7.865	773.710	750.000	3.2

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS110624\
 Data File : PS028284.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 06 Nov 2024 23:03
 Operator : AR\AJ
 Sample : HSTDCCC750
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 HSTDCCC750

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 11/08/2024
 Supervised By : Ankita Jodhani 11/08/2024

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 07 00:45:43 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110624.M
 Quant Title : 8080.M
 QLast Update : Wed Nov 06 11:48:19 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
4) S	2,4-DCAA	7.260	7.763	2019.5E6	1347.6E6	788.414	773.706
Target Compounds							
1) T	Dalapon	2.655	2.712	2504.9E6	2001.4E6	703.776	680.185
2) T	3,5-DICHL...	6.428	6.713	2706.0E6	1850.3E6	721.824	731.101m
3) T	4-Nitroph...	7.059	7.289	1173.4E6	770.0E6	712.201	671.950
5) T	DICAMBA	7.449	7.964	8393.7E6	6005.6E6	747.535	747.660
6) T	MCPD	7.633	8.067	583.8E6	466.5E6	76.990	76.830
7) T	MCPA	7.784	8.313	777.8E6	615.1E6	74.706	73.760
8) T	DICHLORPROP	8.160	8.682	2100.4E6	1457.9E6	744.998	725.581
9) T	2,4-D	8.391	9.013	2354.9E6	1593.1E6	746.131	714.339
10) T	Pentachlo...	8.691	9.544	32738.7E6	21186.7E6	787.696	726.450
11) T	2,4,5-TP ...	9.274	9.921	13015.3E6	9075.3E6	764.456	729.366
12) T	2,4,5-T	9.567	10.342	13312.3E6	8789.3E6	767.923	716.514
13) T	2,4-DB	10.144	10.909	2153.0E6	1114.7E6	761.723	703.302
14) T	DINOSEB	11.361	11.290	10995.5E6	6084.8E6	760.465	697.664
15) T	Picloram	11.165	12.390	22106.0E6	12661.0E6	762.304	702.132
16) T	DCPA	11.654	12.337	18523.1E6	9888.2E6	779.616	705.774

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS110624\
Data File : PS028284.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Nov 2024 23:03
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 5 Sample Multiplier: 1

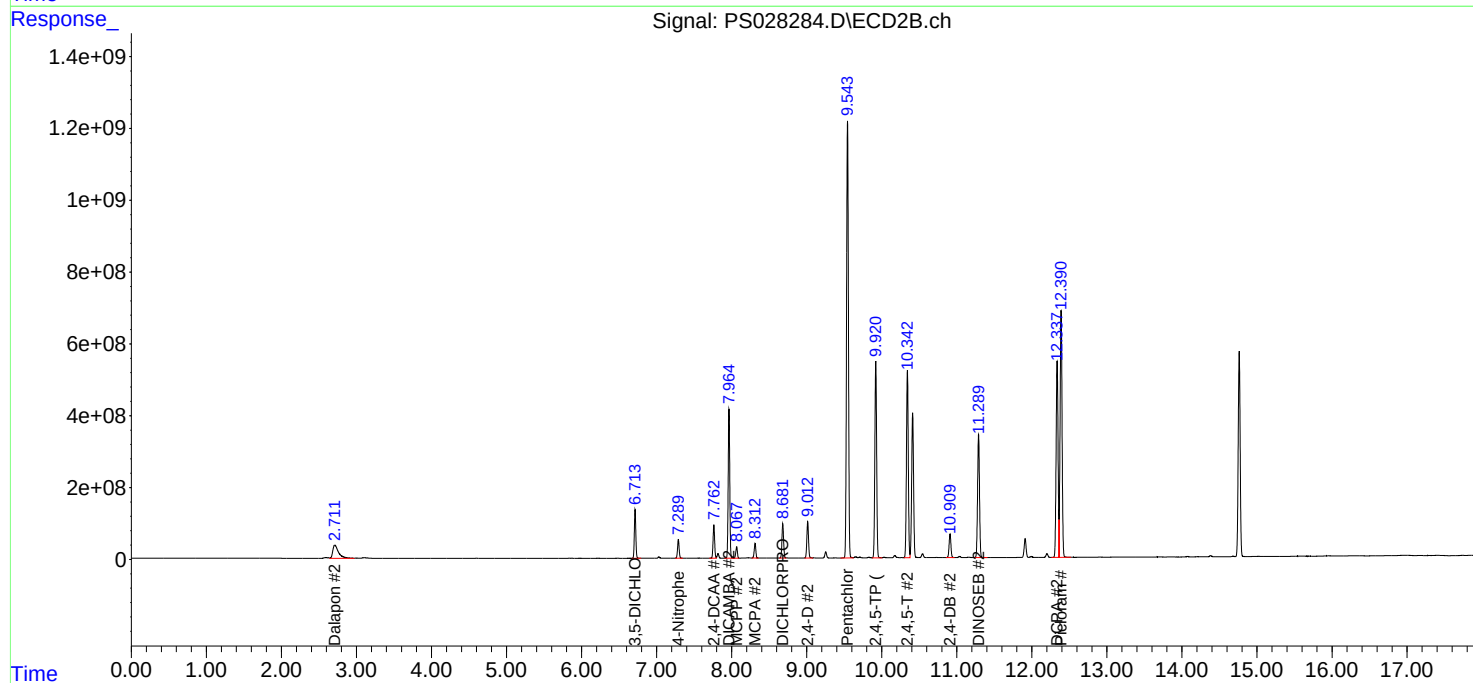
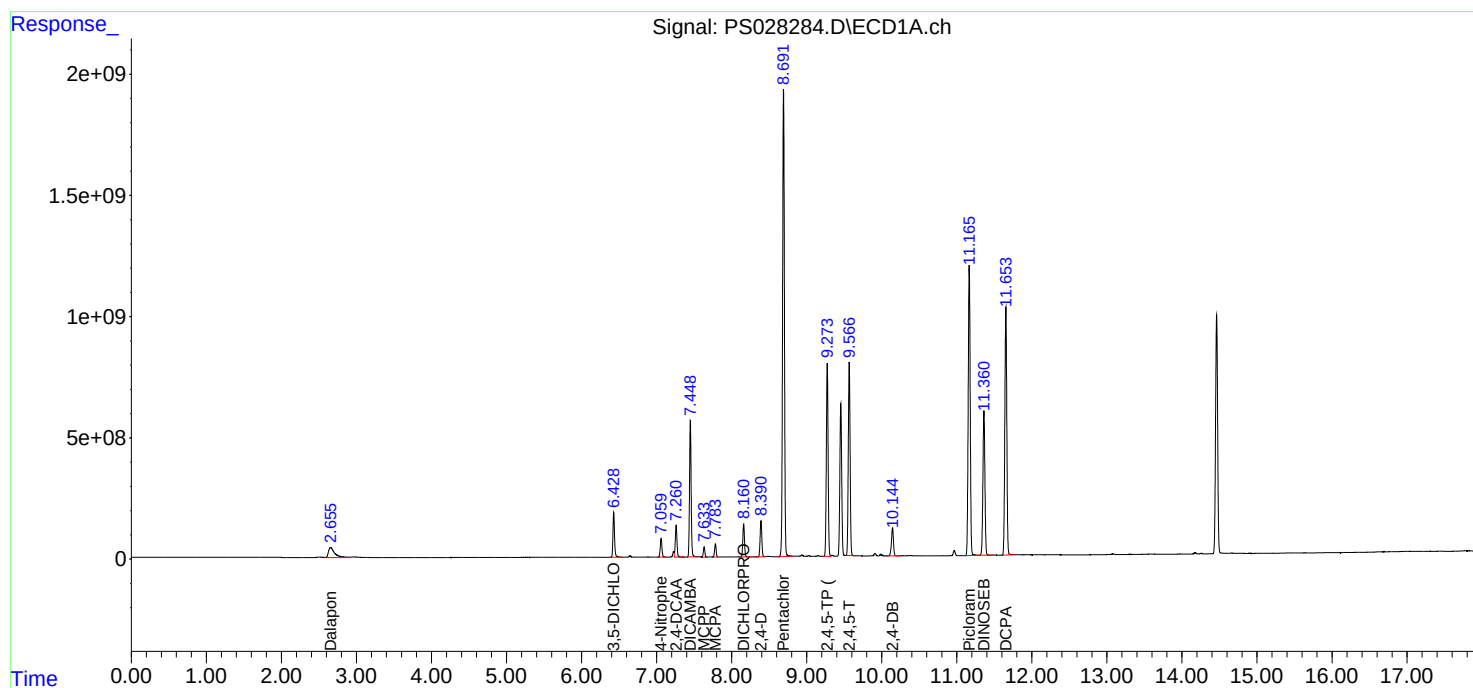
Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 11/08/2024
Supervised By : Ankita Jodhani 11/08/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 07 00:45:43 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110624.M
Quant Title : 8080.M
QLast Update : Wed Nov 06 11:48:19 2024
Response via : Initial Calibration
Integrator: ChemStation

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





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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: P4578 SAS No.: P4578 SDG NO.: P4578

Continuing Calib Date: 11/07/2024 Initial Calibration Date(s): 11/06/2024 11/06/2024

Continuing Calib Time: 04:40 Initial Calibration Time(s): 09:48 11:24

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
2,4-DCAA	7.26	7.26	7.16	7.36	0.00
2,4-D	8.39	8.39	8.29	8.49	0.00
2,4,5-TP(Silvex)	9.27	9.28	9.18	9.38	0.01



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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: P4578 SAS No.: P4578 SDG NO.: P4578

Continuing Calib Date: 11/07/2024 Initial Calibration Date(s): 11/06/2024 11/06/2024

Continuing Calib Time: 04:40 Initial Calibration Time(s): 09:48 11:24

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
2,4-DCAA	7.76	7.77	7.67	7.87	0.01
2,4-D	9.01	9.02	8.92	9.12	0.01
2,4,5-TP(Silvex)	9.92	9.92	9.82	10.02	0.00



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

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: P4578 SAS No.: P4578 SDG NO.: P4578

GC Column: RTX-CLP ID: 0.32 (mm) Initi. Calib. Date(s): 11/06/2024 11/06/2024

Client Sample No.: CCAL04 Date Analyzed: 11/07/2024

Lab Sample No.: HSTDCCC750 Data File : PS028297.D Time Analyzed: 04:40

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
2,4,5-TP(Silvex)	9.270	9.177	9.377	773.230	712.500	8.5
2,4-D	8.388	8.294	8.494	749.690	705.000	6.3
2,4-DCAA	7.258	7.162	7.362	772.740	750.000	3.0



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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: P4578 SAS No.: P4578 SDG NO.: P4578

GC Column: RTX-CLP2 ID: 0.32 (mm) Initi. Calib. Date(s): 11/06/2024 11/06/2024

Client Sample No.: CCAL04 Date Analyzed: 11/07/2024

Lab Sample No.: HSTDCCC750 Data File : PS028297.D Time Analyzed: 04:40

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
2,4,5-TP(Silvex)	9.918	9.823	10.023	718.100	712.500	0.8
2,4-D	9.011	8.915	9.115	700.360	705.000	-0.7
2,4-DCAA	7.761	7.665	7.865	760.410	750.000	1.4

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS110624\
 Data File : PS028297.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 07 Nov 2024 04:40
 Operator : AR\AJ
 Sample : HSTDCCC750
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 HSTDCCC750

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 11/08/2024
 Supervised By :Ankita Jodhani 11/08/2024

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 07 04:59:31 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110624.M
 Quant Title : 8080.M
 QLast Update : Wed Nov 06 11:48:19 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
4) S	2,4-DCAA	7.258	7.761	1979.3E6	1324.5E6	772.735m	760.408
Target Compounds							
1) T	Dalapon	2.651	2.711	2447.7E6	2017.8E6	687.715	685.759
2) T	3,5-DICHL...	6.426	6.712	2715.8E6	1813.9E6	724.456	716.703
3) T	4-Nitroph...	7.057	7.288	1173.7E6	754.7E6	712.370	658.588
5) T	DICAMBA	7.447	7.963	8415.3E6	5884.9E6	749.460	732.636
6) T	MCPD	7.631	8.065	587.9E6	457.1E6	77.532	75.284
7) T	MCPA	7.781	8.311	781.5E6	601.2E6	75.065	72.101
8) T	DICHLORPROP	8.157	8.680	2117.3E6	1431.2E6	750.992	712.315
9) T	2,4-D	8.388	9.011	2366.1E6	1561.9E6	749.692m	700.363
10) T	Pentachlo...	8.689	9.542	33059.9E6	20826.7E6	795.422	714.108
11) T	2,4,5-TP ...	9.270	9.918	13164.7E6	8935.0E6	773.230	718.096
12) T	2,4,5-T	9.563	10.340	13336.0E6	8662.9E6	769.288	706.208
13) T	2,4-DB	10.141	10.908	2170.5E6	1091.9E6	767.888	688.942
14) T	DINOSEB	11.358	11.287	10956.8E6	5833.7E6	757.789	668.875
15) T	Picloram	11.162	12.387	22210.9E6	12292.8E6	765.921	681.714
16) T	DCPA	11.650	12.334	18752.5E6	9655.6E6	789.271	689.171

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS110624\
Data File : PS028297.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Nov 2024 04:40
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

HSTDCCC750

Manual Integrations

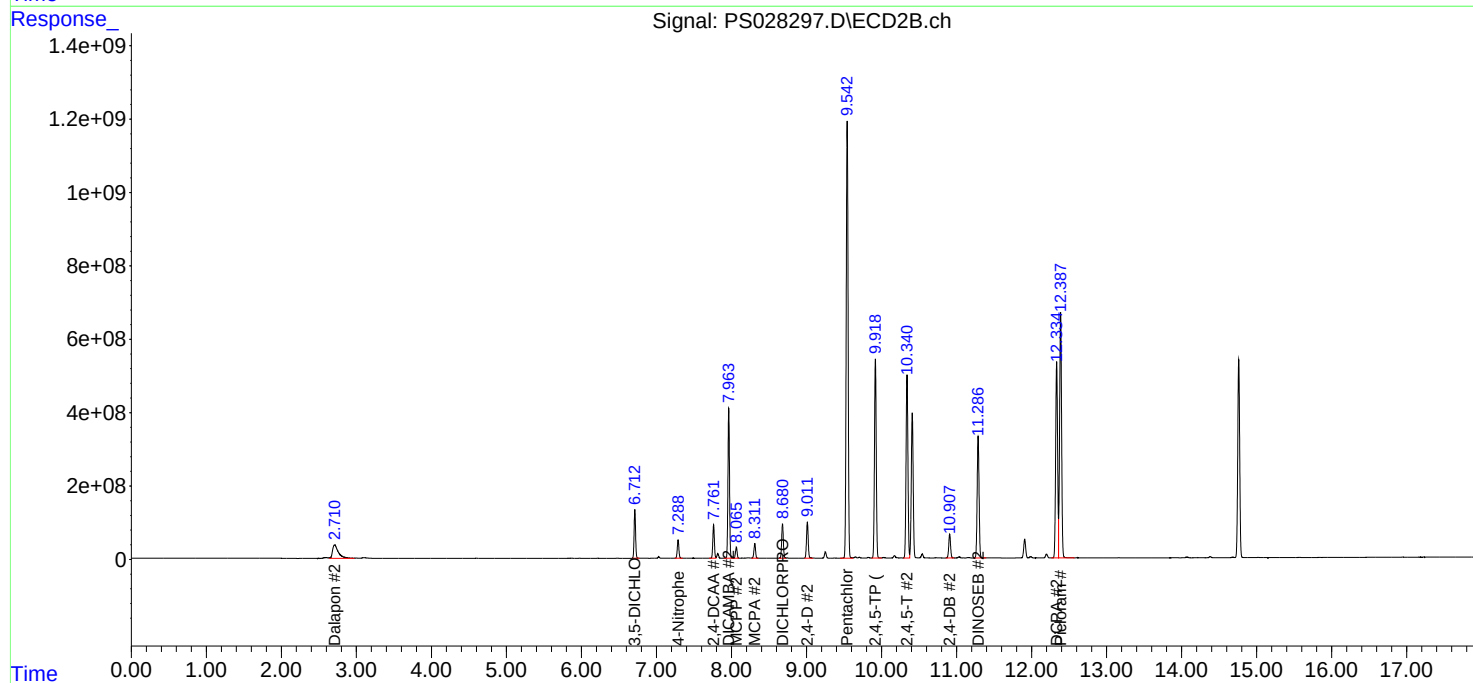
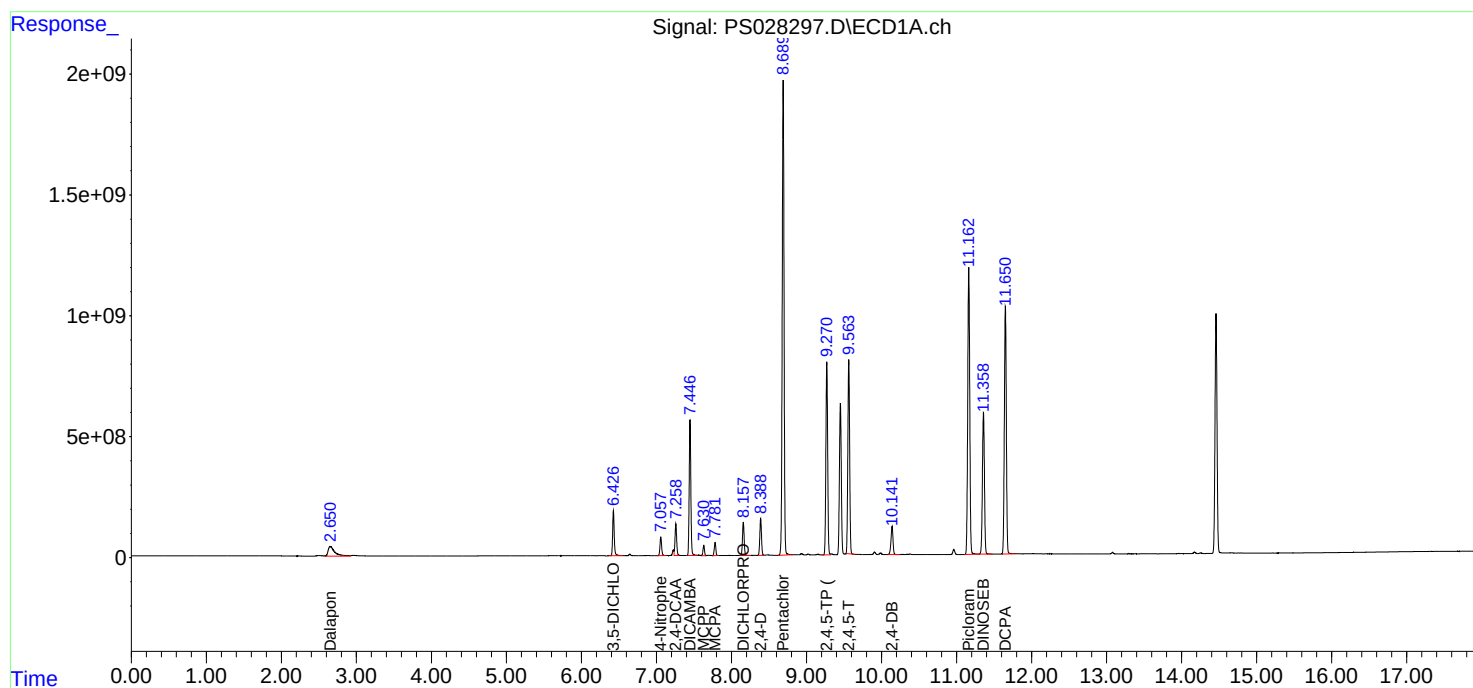
APPROVED

Reviewed By :Abdul Mirza 11/08/2024

Supervised By :Ankita Jodhani 11/08/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 07 04:59:31 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110624.M
Quant Title : 8080.M
QLast Update : Wed Nov 06 11:48:19 2024
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: PORT06

Lab Code: CHEM Case No.: P4578 SAS No.: P4578 SDG NO.: P4578

Continuing Calib Date: 11/07/2024 Initial Calibration Date(s): 11/06/2024 11/06/2024

Continuing Calib Time: 20:41 Initial Calibration Time(s): 09:48 11:24

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
2,4-DCAA	7.25	7.26	7.16	7.36	0.01
2,4-D	8.38	8.39	8.29	8.49	0.01
2,4,5-TP(Silvex)	9.27	9.28	9.18	9.38	0.01



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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: P4578 SAS No.: P4578 SDG NO.: P4578

Continuing Calib Date: 11/07/2024 Initial Calibration Date(s): 11/06/2024 11/06/2024

Continuing Calib Time: 20:41 Initial Calibration Time(s): 09:48 11:24

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
2,4-DCAA	7.76	7.77	7.67	7.87	0.01
2,4-D	9.01	9.02	8.92	9.12	0.01
2,4,5-TP(Silvex)	9.91	9.92	9.82	10.02	0.01



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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: P4578 SAS No.: P4578 SDG NO.: P4578

GC Column: RTX-CLP ID: 0.32 (mm) Initi. Calib. Date(s): 11/06/2024 11/06/2024

Client Sample No.: CCAL05 Date Analyzed: 11/07/2024

Lab Sample No.: HSTDCCC750 Data File : PS028335.D Time Analyzed: 20:41

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
2,4,5-TP(Silvex)	9.265	9.177	9.377	752.310	712.500	5.6
2,4-D	8.384	8.294	8.494	729.800	705.000	3.5
2,4-DCAA	7.254	7.162	7.362	762.350	750.000	1.6



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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: P4578 SAS No.: P4578 SDG NO.: P4578

GC Column: RTX-CLP2 ID: 0.32 (mm) Initi. Calib. Date(s): 11/06/2024 11/06/2024

Client Sample No.: CCAL05 Date Analyzed: 11/07/2024

Lab Sample No.: HSTDCCC750 Data File : PS028335.D Time Analyzed: 20:41

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
2,4,5-TP(Silvex)	9.914	9.823	10.023	631.720	712.500	-11.3
2,4-D	9.008	8.915	9.115	614.020	705.000	-12.9
2,4-DCAA	7.758	7.665	7.865	672.470	750.000	-10.3

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS110724\
 Data File : PS028335.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 07 Nov 2024 20:41
 Operator : AR\AJ
 Sample : HSTDCCC750
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

HSTDCCC750

Manual Integrations**APPROVED**

Reviewed By :Abdul Mirza 11/08/2024

Supervised By :Ankita Jodhani 11/08/2024

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 08 06:30:53 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110624.M
 Quant Title : 8080.M
 QLast Update : Wed Nov 06 11:48:19 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
4) S	2,4-DCAA	7.254	7.758	1952.7E6	1171.3E6	762.350	672.466
Target Compounds							
1) T	Dalapon	2.650	2.707	2273.0E6	1880.9E6	638.638	639.209
2) T	3,5-DICHL...	6.422	6.709	2617.5E6	1608.2E6	698.223	635.435m
3) T	4-Nitroph...	7.053	7.284	1138.8E6	671.6E6	691.172	586.060
5) T	DICAMBA	7.443	7.959	8023.1E6	5188.2E6	714.531	645.899
6) T	MCPD	7.626	8.062	546.2E6	402.3E6	72.036	66.262
7) T	MCPA	7.777	8.307	756.7E6	530.4E6	72.678	63.605
8) T	DICHLORPROP	8.153	8.676	2057.6E6	1260.5E6	729.846	627.339
9) T	2,4-D	8.384	9.008	2303.3E6	1369.3E6	729.805	614.019
10) T	Pentachlo...	8.684	9.538	32162.3E6	18441.2E6	773.827	632.311
11) T	2,4,5-TP ...	9.265	9.914	12808.5E6	7860.3E6	752.308	631.719
12) T	2,4,5-T	9.557	10.336	13058.8E6	7629.7E6	753.299m	621.980
13) T	2,4-DB	10.135	10.903	2107.4E6	944.8E6	745.593	596.124
14) T	DINOSEB	11.351	11.283	10665.0E6	5143.6E6	737.606	589.751
15) T	Picloram	11.156	12.383	21657.6E6	10857.0E6	746.843	602.090
16) T	DCPA	11.643	12.330	18206.4E6	8409.5E6	766.287	600.227

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS110724\
Data File : PS028335.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Nov 2024 20:41
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

HSTDCCC750

Manual Integrations

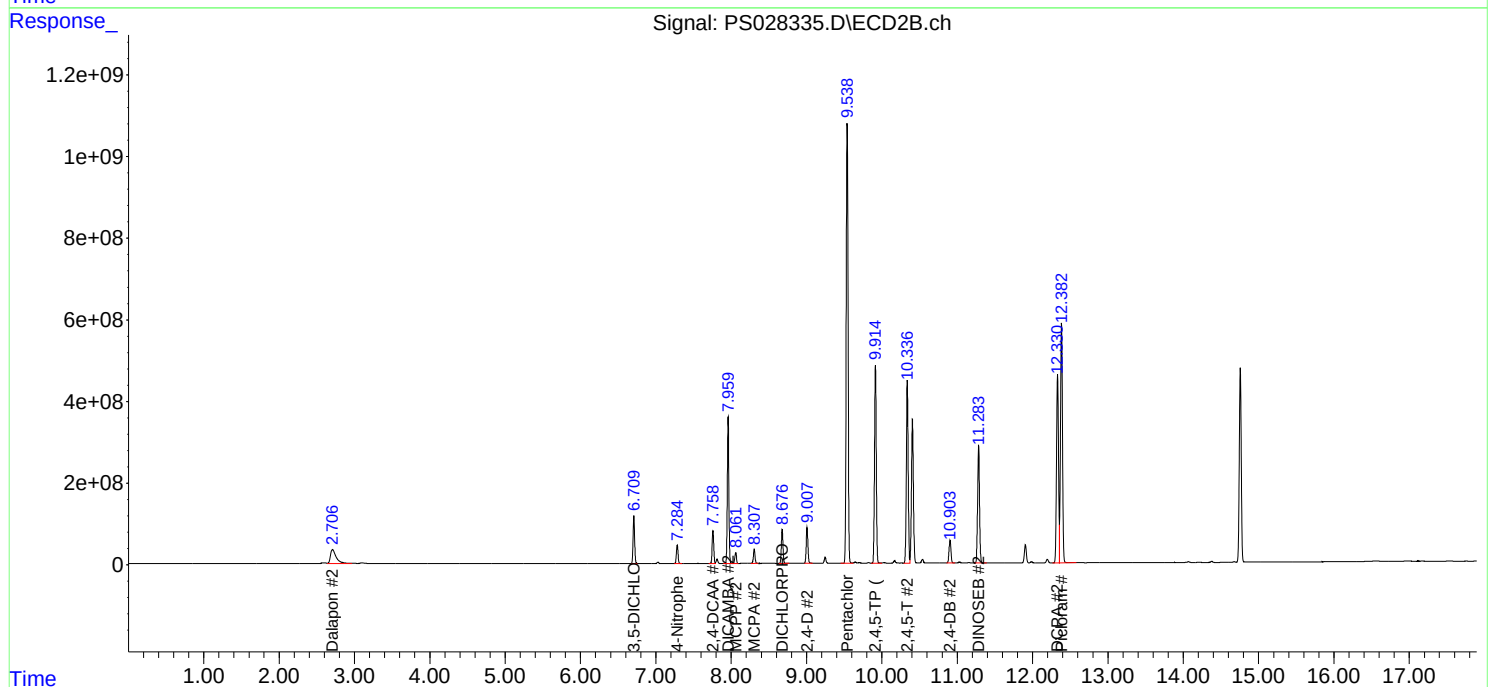
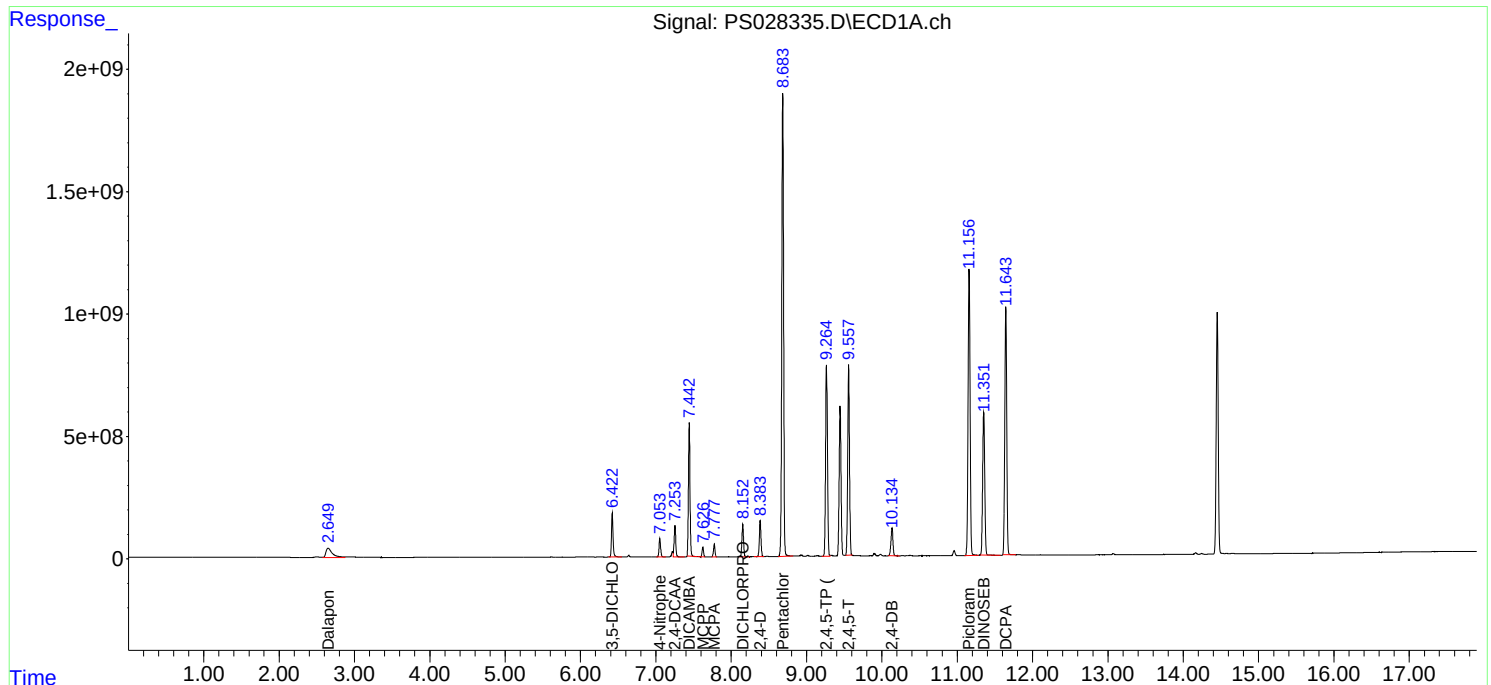
APPROVED

Reviewed By :Abdul Mirza 11/08/2024

Supervised By :Ankita Jodhani 11/08/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 08 06:30:53 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110624.M
Quant Title : 8080.M
QLast Update : Wed Nov 06 11:48:19 2024
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: PORT06

Lab Code: CHEM Case No.: P4578 SAS No.: P4578 SDG NO.: P4578

Continuing Calib Date: 11/08/2024 Initial Calibration Date(s): 11/06/2024 11/06/2024

Continuing Calib Time: 01:53 Initial Calibration Time(s): 09:48 11:24

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
2,4-DCAA	7.25	7.26	7.16	7.36	0.01
2,4-D	8.38	8.39	8.29	8.49	0.01
2,4,5-TP(Silvex)	9.26	9.28	9.18	9.38	0.02



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

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: P4578 SAS No.: P4578 SDG NO.: P4578

Continuing Calib Date: 11/08/2024 Initial Calibration Date(s): 11/06/2024 11/06/2024

Continuing Calib Time: 01:53 Initial Calibration Time(s): 09:48 11:24

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
2,4-DCAA	7.76	7.77	7.67	7.87	0.01
2,4-D	9.01	9.02	8.92	9.12	0.01
2,4,5-TP(Silvex)	9.91	9.92	9.82	10.02	0.01



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

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: P4578 SAS No.: P4578 SDG NO.: P4578

GC Column: RTX-CLP ID: 0.32 (mm) Initi. Calib. Date(s): 11/06/2024 11/06/2024

Client Sample No.: CCAL06 Date Analyzed: 11/08/2024

Lab Sample No.: HSTDCCC750 Data File : PS028347.D Time Analyzed: 01:53

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
2,4,5-TP(Silvex)	9.263	9.177	9.377	757.670	712.500	6.3
2,4-D	8.383	8.294	8.494	735.490	705.000	4.3
2,4-DCAA	7.252	7.162	7.362	768.470	750.000	2.5



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

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: P4578 SAS No.: P4578 SDG NO.: P4578

GC Column: RTX-CLP2 ID: 0.32 (mm) Initi. Calib. Date(s): 11/06/2024 11/06/2024

Client Sample No.: CCAL06 Date Analyzed: 11/08/2024

Lab Sample No.: HSTDCCC750 Data File : PS028347.D Time Analyzed: 01:53

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
2,4,5-TP(Silvex)	9.914	9.823	10.023	618.860	712.500	-13.1
2,4-D	9.008	8.915	9.115	603.860	705.000	-14.3
2,4-DCAA	7.758	7.665	7.865	659.600	750.000	-12.1

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS110724\
 Data File : PS028347.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 08 Nov 2024 01:53
 Operator : AR\AJ
 Sample : HSTDCCC750
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

HSTDCCC750

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 11/08/2024

Supervised By :Ankita Jodhani 11/08/2024

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 08 06:31:47 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110624.M
 Quant Title : 8080.M
 QLast Update : Wed Nov 06 11:48:19 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
4) S	2,4-DCAA	7.252	7.758	1968.4E6	1148.9E6	768.467	659.598
Target Compounds							
1) T	Dalapon	2.650	2.707	2269.4E6	1843.8E6	637.605	626.598
2) T	3,5-DICHL...	6.422	6.708	2641.7E6	1587.7E6	704.669	627.328m
3) T	4-Nitroph...	7.052	7.284	1153.5E6	667.7E6	700.104	582.661
5) T	DICAMBA	7.441	7.958	8041.7E6	5095.3E6	716.185	634.329
6) T	MCPD	7.625	8.062	548.5E6	392.0E6	72.342	64.565
7) T	MCPA	7.775	8.307	761.4E6	517.9E6	73.132	62.104
8) T	DICHLORPROP	8.151	8.676	2074.3E6	1231.9E6	735.749	613.127
9) T	2,4-D	8.383	9.008	2321.3E6	1346.7E6	735.491	603.864
10) T	Pentachlo...	8.682	9.538	32390.2E6	18186.9E6	779.311	623.593
11) T	2,4,5-TP ...	9.263	9.914	12899.9E6	7700.3E6	757.673	618.860
12) T	2,4,5-T	9.555	10.335	13176.7E6	7480.3E6	760.096m	609.799
13) T	2,4-DB	10.132	10.903	2113.6E6	925.8E6	747.782	584.150
14) T	DINOSEB	11.349	11.282	10762.4E6	5081.6E6	744.344	582.643
15) T	Picloram	11.153	12.382	21528.7E6	10507.0E6	742.398	582.680
16) T	DCPA	11.641	12.329	18230.9E6	8228.7E6	767.315	587.327

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS110724\
Data File : PS028347.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Nov 2024 01:53
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

HSTDCCC750

Manual Integrations

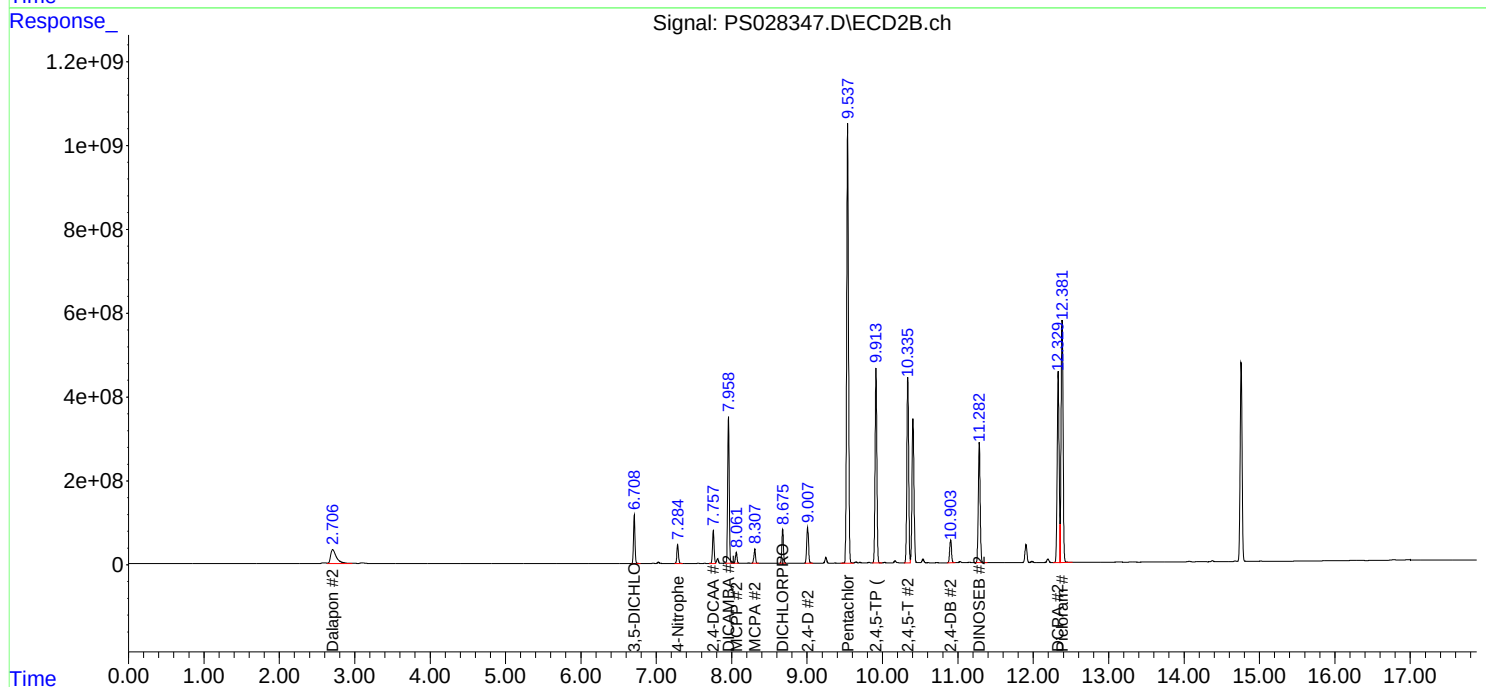
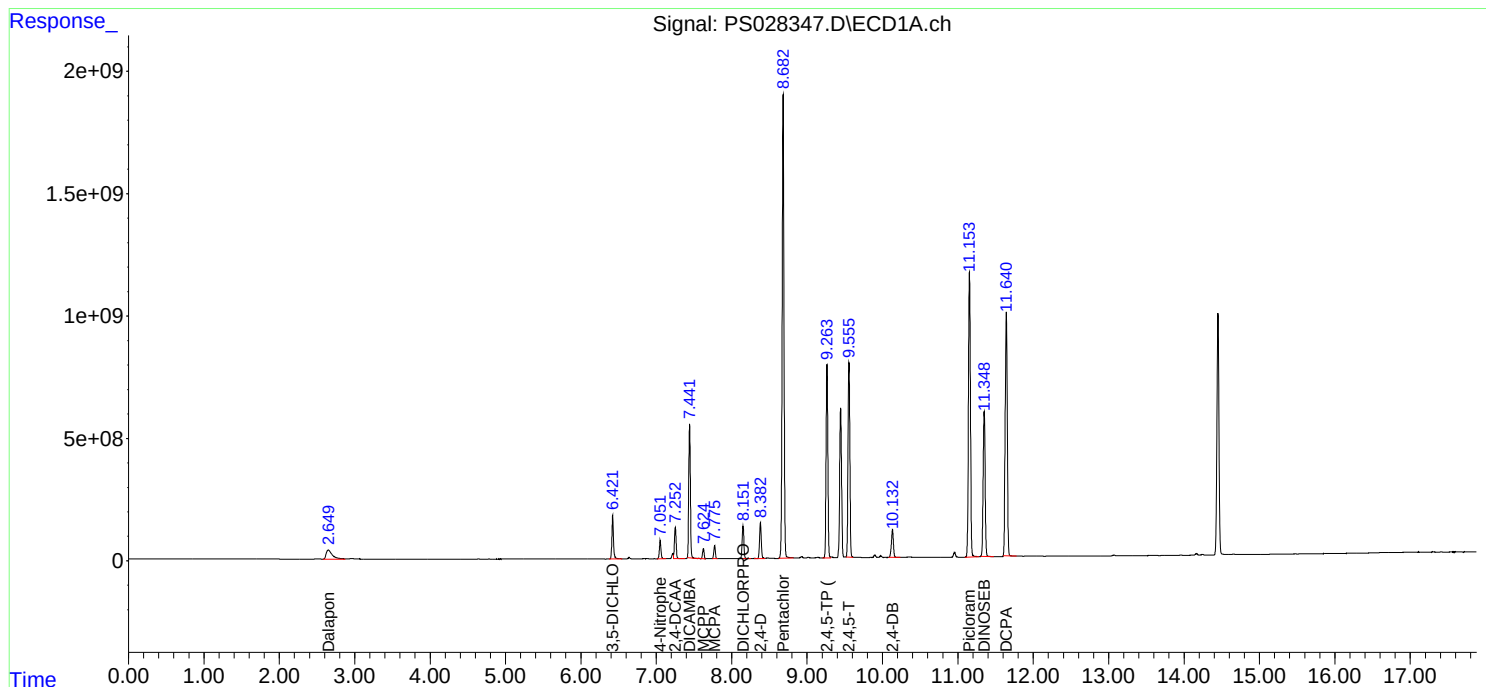
APPROVED

Reviewed By :Abdul Mirza 11/08/2024

Supervised By :Ankita Jodhani 11/08/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 08 06:31:47 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110624.M
Quant Title : 8080.M
QLast Update : Wed Nov 06 11:48:19 2024
Response via : Initial Calibration
Integrator: ChemStation

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



Analytical Sequence

Client: Portal Partners Tri-Venture	SDG No.: P4578
Project: Amtrak Sawtooth Bridges 2024	Instrument ID: ECD_S
GC Column: RTX-CLP	ID: 0.32 (mm) Inst. Calib. Date(s): 11/06/2024 11/06/2024

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 #
IBLK	IBLK	11/06/2024	09:24	PS028252.D	7.26	0.00
HSTDICC200	HSTDICC200	11/06/2024	09:48	PS028253.D	7.26	0.00
HSTDICC500	HSTDICC500	11/06/2024	10:12	PS028254.D	7.26	0.00
HSTDICC750	HSTDICC750	11/06/2024	10:36	PS028255.D	7.26	0.00
HSTDICC1000	HSTDICC1000	11/06/2024	11:00	PS028256.D	7.26	0.00
HSTDICC1500	HSTDICC1500	11/06/2024	11:24	PS028257.D	7.26	0.00
IBLK	IBLK	11/06/2024	12:14	PS028259.D	7.26	0.00
HSTDCCC750	HSTDCCC750	11/06/2024	12:38	PS028260.D	7.26	0.00
PB164519BL	PB164519BL	11/06/2024	13:26	PS028262.D	7.26	0.00
PB164519BS	PB164519BS	11/06/2024	13:50	PS028263.D	7.26	0.00
WB-305-BOT	P4578-06	11/06/2024	15:23	PS028265.D	7.26	0.00
IBLK	IBLK	11/06/2024	17:51	PS028271.D	7.26	0.00
HSTDCCC750	HSTDCCC750	11/06/2024	18:15	PS028272.D	7.26	0.00
IBLK	IBLK	11/06/2024	22:39	PS028283.D	7.26	0.00
HSTDCCC750	HSTDCCC750	11/06/2024	23:03	PS028284.D	7.26	0.00
WB-305-BOTMS	P4578-06MS	11/07/2024	02:16	PS028291.D	7.26	0.00
WB-305-BOTMSD	P4578-06MSD	11/07/2024	02:40	PS028292.D	7.26	0.00
WB-305-BOT-1	P4578-08	11/07/2024	03:04	PS028293.D	7.26	0.00
IBLK	IBLK	11/07/2024	04:16	PS028296.D	7.26	0.00
HSTDCCC750	HSTDCCC750	11/07/2024	04:40	PS028297.D	7.26	0.00
IBLK	IBLK	11/07/2024	20:17	PS028334.D	7.25	0.00
HSTDCCC750	HSTDCCC750	11/07/2024	20:41	PS028335.D	7.25	0.00
PB164393TB	PB164393TB	11/08/2024	01:05	PS028345.D	7.25	0.00
IBLK	IBLK	11/08/2024	01:29	PS028346.D	7.25	0.00
HSTDCCC750	HSTDCCC750	11/08/2024	01:53	PS028347.D	7.25	0.00

Analytical Sequence

Client: Portal Partners Tri-Venture	SDG No.: P4578
Project: Amtrak Sawtooth Bridges 2024	Instrument ID: ECD_S
GC Column: RTX-CLP2	ID: 0.32 (mm) Inst. Calib. Date(s): 11/06/2024 11/06/2024

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 #
IBLK	IBLK	11/06/2024	09:24	PS028252.D	7.76	0.00
HSTDICC200	HSTDICC200	11/06/2024	09:48	PS028253.D	7.77	0.00
HSTDICC500	HSTDICC500	11/06/2024	10:12	PS028254.D	7.77	0.00
HSTDICC750	HSTDICC750	11/06/2024	10:36	PS028255.D	7.77	0.00
HSTDICC1000	HSTDICC1000	11/06/2024	11:00	PS028256.D	7.77	0.00
HSTDICC1500	HSTDICC1500	11/06/2024	11:24	PS028257.D	7.77	0.00
IBLK	IBLK	11/06/2024	12:14	PS028259.D	7.76	0.00
HSTDCCC750	HSTDCCC750	11/06/2024	12:38	PS028260.D	7.77	0.00
PB164519BL	PB164519BL	11/06/2024	13:26	PS028262.D	7.77	0.00
PB164519BS	PB164519BS	11/06/2024	13:50	PS028263.D	7.77	0.00
WB-305-BOT	P4578-06	11/06/2024	15:23	PS028265.D	7.76	0.00
IBLK	IBLK	11/06/2024	17:51	PS028271.D	7.76	0.00
HSTDCCC750	HSTDCCC750	11/06/2024	18:15	PS028272.D	7.76	0.00
IBLK	IBLK	11/06/2024	22:39	PS028283.D	7.76	0.00
HSTDCCC750	HSTDCCC750	11/06/2024	23:03	PS028284.D	7.76	0.00
WB-305-BOTMS	P4578-06MS	11/07/2024	02:16	PS028291.D	7.76	0.00
WB-305-BOTMSD	P4578-06MSD	11/07/2024	02:40	PS028292.D	7.76	0.00
WB-305-BOT-1	P4578-08	11/07/2024	03:04	PS028293.D	7.76	0.00
IBLK	IBLK	11/07/2024	04:16	PS028296.D	7.76	0.00
HSTDCCC750	HSTDCCC750	11/07/2024	04:40	PS028297.D	7.76	0.00
IBLK	IBLK	11/07/2024	20:17	PS028334.D	7.76	0.00
HSTDCCC750	HSTDCCC750	11/07/2024	20:41	PS028335.D	7.76	0.00
PB164393TB	PB164393TB	11/08/2024	01:05	PS028345.D	7.76	0.00
IBLK	IBLK	11/08/2024	01:29	PS028346.D	7.76	0.00
HSTDCCC750	HSTDCCC750	11/08/2024	01:53	PS028347.D	7.76	0.00

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB164519BS

Contract: PORT06

Lab Code: CHEM Case No.: P4578

SAS No.: P4578

SDG NO.: P4578

Lab Sample ID: PB164519BS

Date(s) Analyzed: 11/06/2024 11/06/2024

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	8.39	8.34	8.44	5.10	4
	2	9.02	8.97	9.07	4.90	
2,4,5-TP(Silvex)	1	9.28	9.23	9.33	5.10	0
	2	9.92	9.87	9.97	5.10	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

WB-305-BOTMS

Contract: PORT06

Lab Code: CHEM

Case No.: P4578

SAS No.: P4578

SDG NO.: P4578

Lab Sample ID: P4578-06MS

Date(s) Analyzed: 11/07/2024

11/07/2024

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	8.39	8.34	8.44	53.0	8.7
	2	9.01	8.96	9.06	48.6	
2,4,5-TP(Silvex)	1	9.27	9.22	9.32	52.6	31.1
	2	9.92	9.87	9.97	72.0	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

WB-305-BOTMSD

Contract: PORT06

Lab Code: CHEM

Case No.: P4578

SAS No.: P4578

SDG NO.: P4578

Lab Sample ID: P4578-06MSD

Date(s) Analyzed: 11/07/2024

11/07/2024

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	8.39	8.34	8.44	54.1	9.1
	2	9.01	8.96	9.06	49.4	
2,4,5-TP(Silvex)	1	9.27	9.22	9.32	53.2	29.4
	2	9.92	9.87	9.97	71.5	



QC SAMPLE DATA

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	PB164519BL	SDG No.:	P4578
Lab Sample ID:	PB164519BL	Matrix:	TCLP
Analytical Method:	SW8151A	% 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
PS028262.D	1	10/28/24 08:45	11/06/24 13:26	PB164519

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	0.49	U	0.49	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	0.45	U	0.45	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	561		70 (39) - 130 (175)	112%	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\PS110624\
Data File : PS028262.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Nov 2024 13:26
Operator : AR\AJ
Sample : PB164519BL
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
PB164519BL

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 11/08/2024
Supervised By :Ankita Jodhani 11/08/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 06 16:11:41 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110624.M
Quant Title : 8080.M
QLast Update : Wed Nov 06 11:48:19 2024
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
4) S 2,4-DCAA	7.262	7.765	1437.3E6	937.1E6	561.145	538.006m

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS110624\
Data File : PS028262.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Nov 2024 13:26
Operator : AR\AJ
Sample : PB164519BL
Misc :
ALS Vial : 24 Sample Multiplier: 1

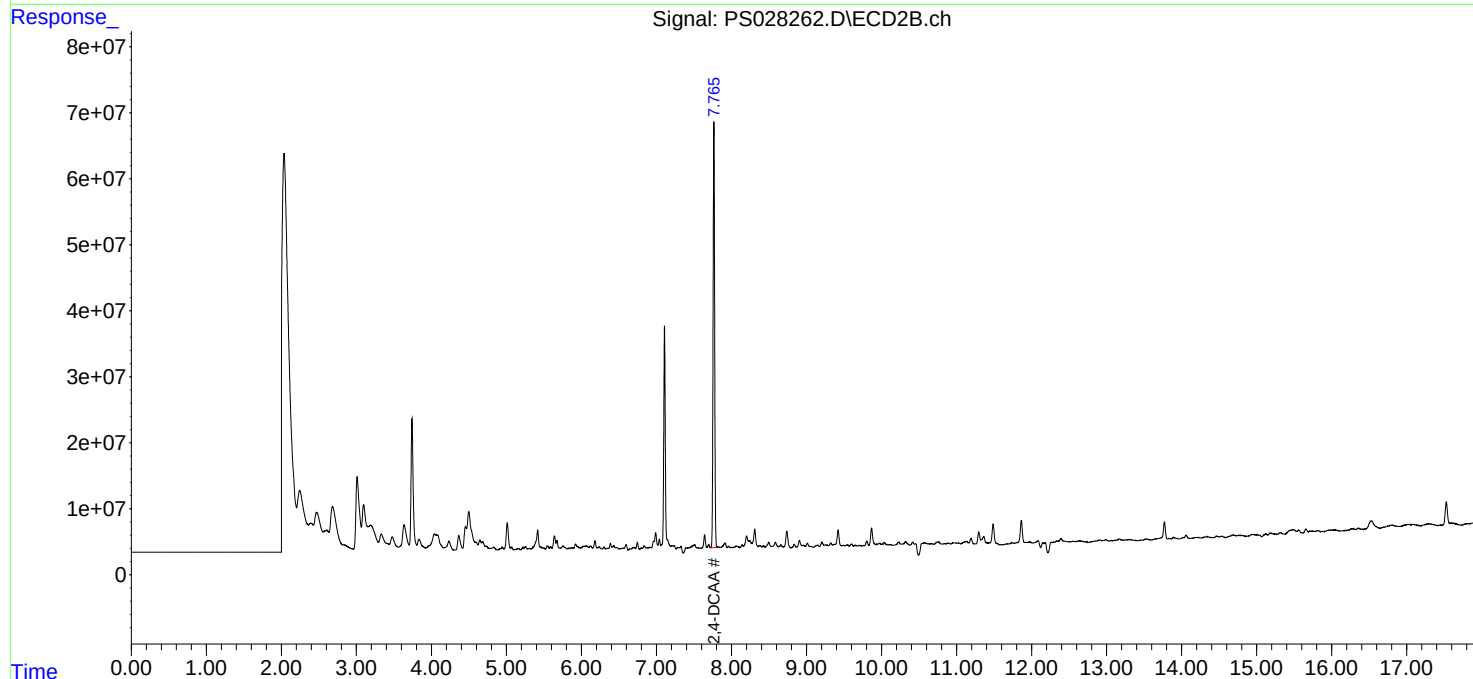
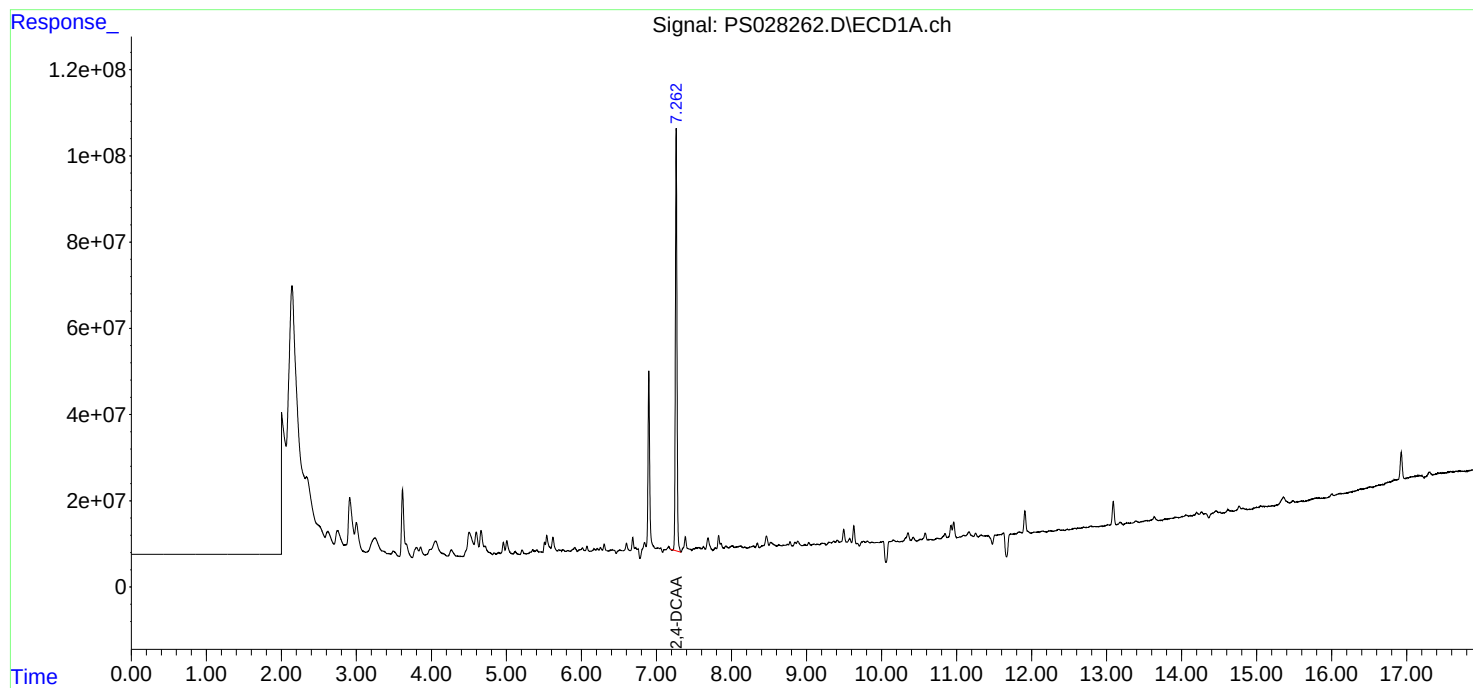
Instrument :
ECD_S
ClientSampleId :
PB164519BL

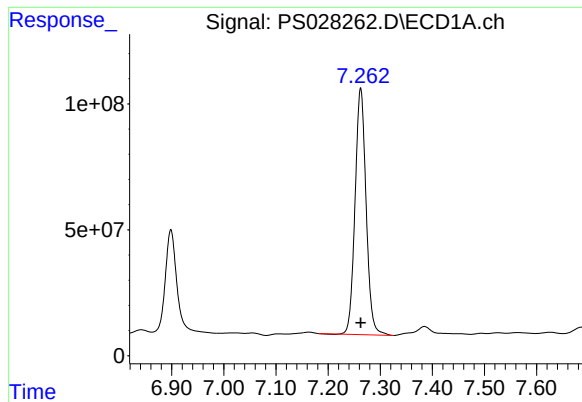
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 11/08/2024
Supervised By : Ankita Jodhani 11/08/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 06 16:11:41 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110624.M
Quant Title : 8080.M
QLast Update : Wed Nov 06 11:48:19 2024
Response via : Initial Calibration
Integrator: ChemStation

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





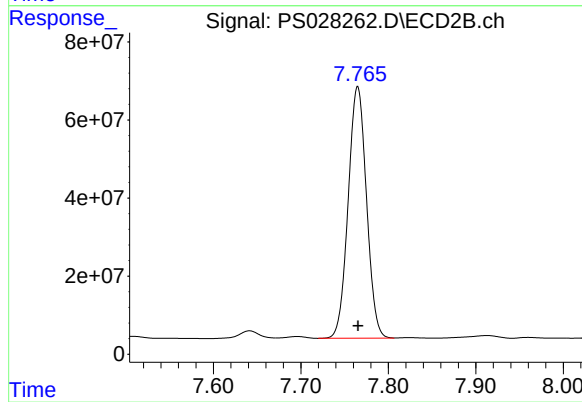
#4 2,4-DCAA

R.T.: 7.262 min
Delta R.T.: 0.000 min
Response: 1437325538
Conc: 561.15 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB164519BL

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 11/08/2024
Supervised By :Ankita Jodhani 11/08/2024



#4 2,4-DCAA

R.T.: 7.765 min
Delta R.T.: 0.000 min
Response: 937087650
Conc: 538.01 ng/ml m

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	11/06/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	11/06/24
Client Sample ID:	PIBLK-PS028252.D	SDG No.:	P4578
Lab Sample ID:	I.BLK-PS028252.D	Matrix:	TCLP
Analytical Method:	SW8151A	% 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
PS028252.D	1		11/06/24	PS110624

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	0.49	U	0.49	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	0.45	U	0.45	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	491		70 (39) - 130 (175)	98%	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\PS110624\
Data File : PS028252.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Nov 2024 09:24
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 06 11:48:59 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110624.M
Quant Title : 8080.M
QLast Update : Wed Nov 06 11:48:19 2024
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds							
4) S	2,4-DCAA	7.262	7.764	1253.5E6	855.9E6	489.362	491.394

Target Compounds

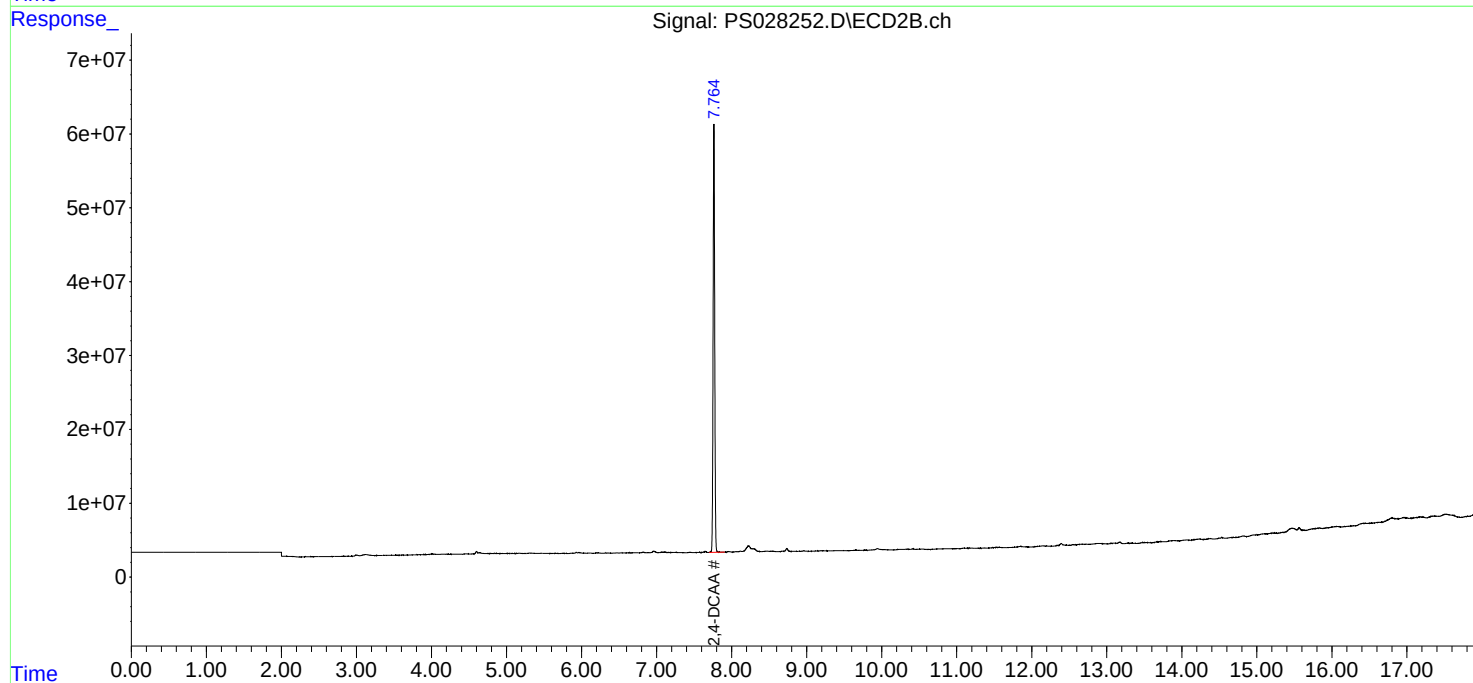
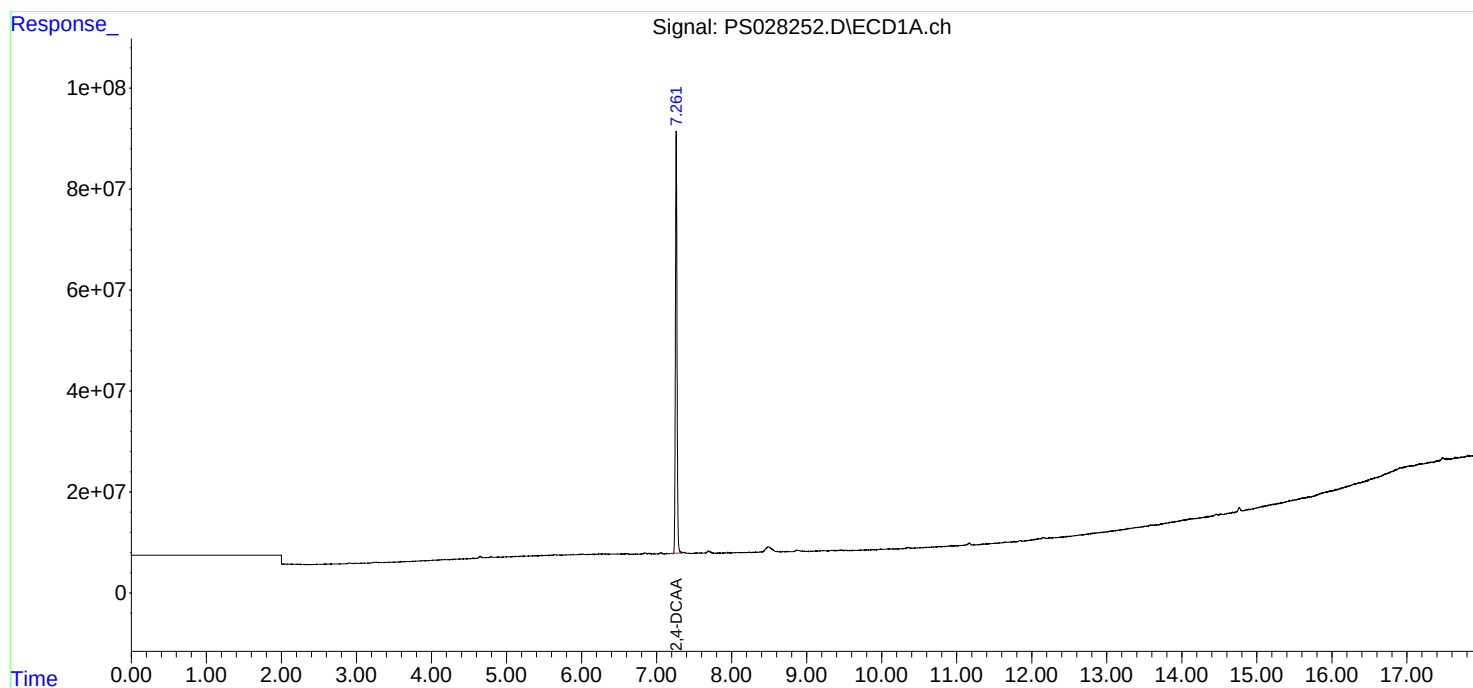
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS110624\
Data File : PS028252.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Nov 2024 09:24
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 06 11:48:59 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110624.M
Quant Title : 8080.M
QLast Update : Wed Nov 06 11:48:19 2024
Response via : Initial Calibration
Integrator: ChemStation

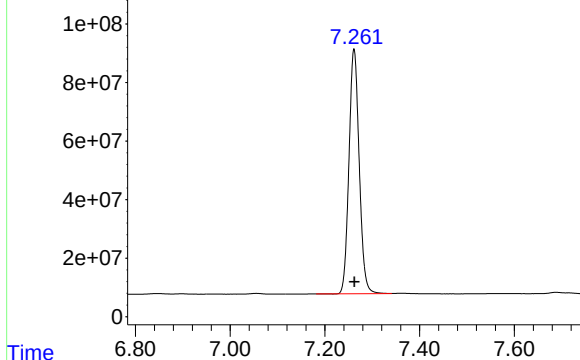
Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



Response_

Signal: PS028252.D\ECD1A.ch

#4 2,4-DCAA



R.T.: 7.262 min
Delta R.T.: 0.000 min
Response: 1253458597
Conc: 489.36 ng/ml

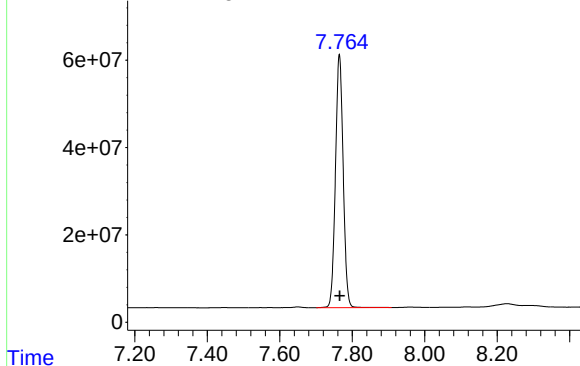
Instrument :
ECD_S
ClientSampleId :
I.BLK

Time

Response_

Signal: PS028252.D\ECD2B.ch

#4 2,4-DCAA



R.T.: 7.764 min
Delta R.T.: 0.000 min
Response: 855899732
Conc: 491.39 ng/ml

Time

Report of Analysis

Client:	Portal Partners Tri-Venture			Date Collected:	11/06/24		
Project:	Amtrak Sawtooth Bridges 2024			Date Received:	11/06/24		
Client Sample ID:	PIBLK-PS028259.D			SDG No.:	P4578		
Lab Sample ID:	I.BLK-PS028259.D			Matrix:	TCLP		
Analytical Method:	SW8151A			% 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
PS028259.D	1		11/06/24	PS110624

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	0.49	U	0.49	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	0.45	U	0.45	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	506		70 (39) - 130 (175)	101%	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 OC 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\PS110624\
Data File : PS028259.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Nov 2024 12:14
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 06 13:28:58 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110624.M
Quant Title : 8080.M
QLast Update : Wed Nov 06 11:48:19 2024
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
4) S 2,4-DCAA	7.263	7.764	1282.2E6	881.4E6	500.591	506.018

Target Compounds

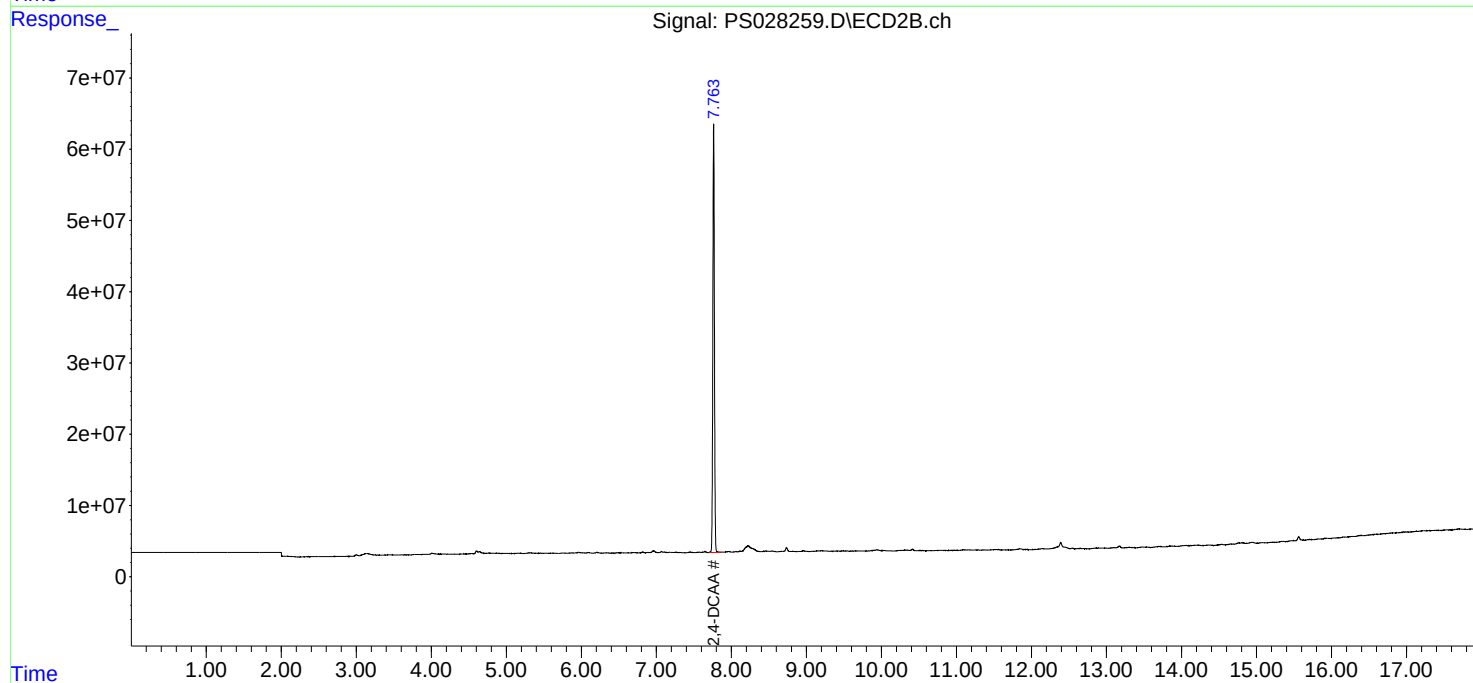
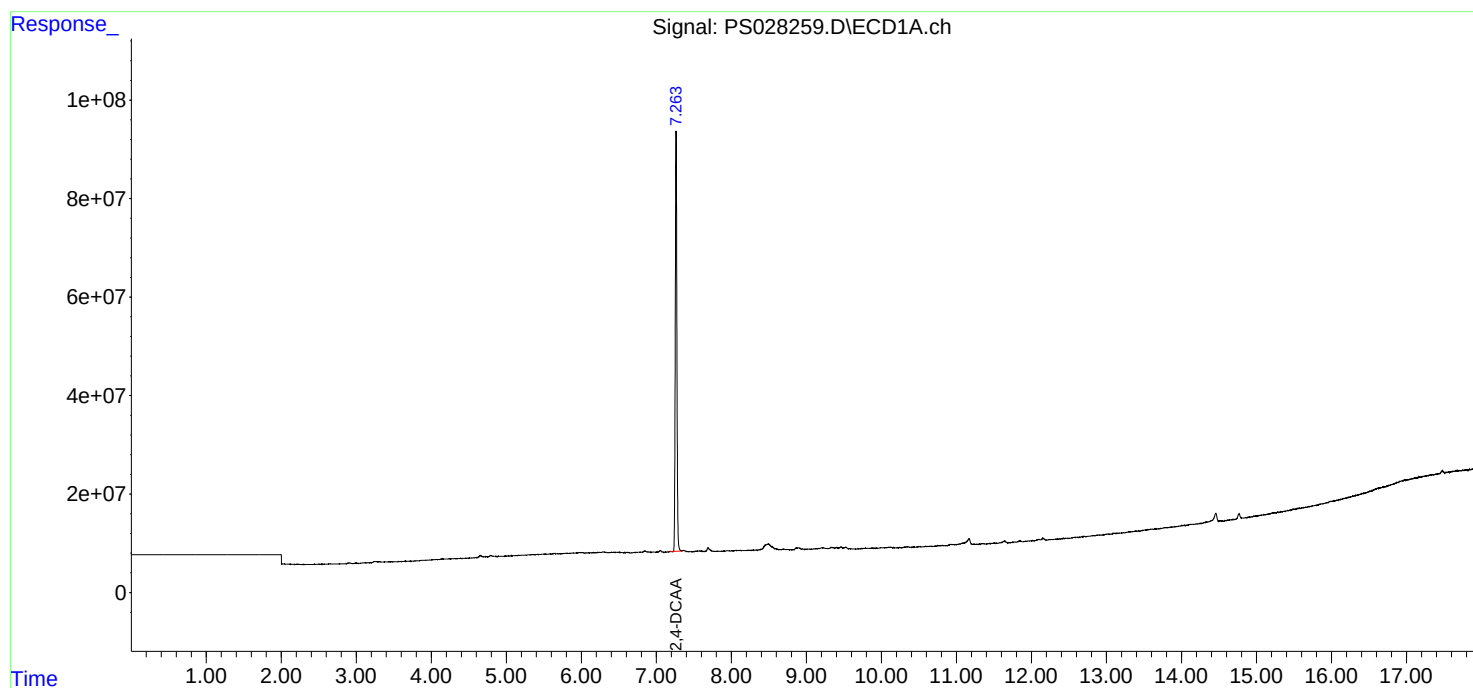
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS110624\
Data File : PS028259.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Nov 2024 12:14
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 06 13:28:58 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110624.M
Quant Title : 8080.M
QLast Update : Wed Nov 06 11:48:19 2024
Response via : Initial Calibration
Integrator: ChemStation

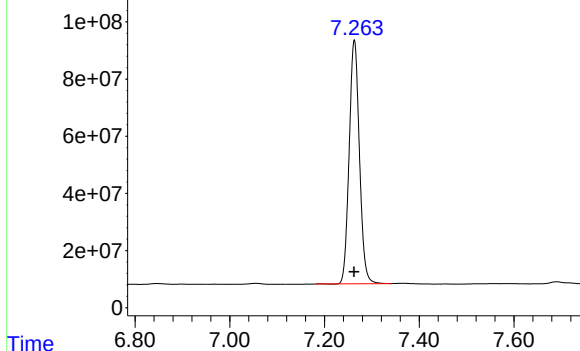
Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



Response_

Signal: PS028259.D\ECD1A.ch

#4 2,4-DCAA



R.T.: 7.263 min
Delta R.T.: 0.000 min
Response: 1282219580
Conc: 500.59 ng/ml

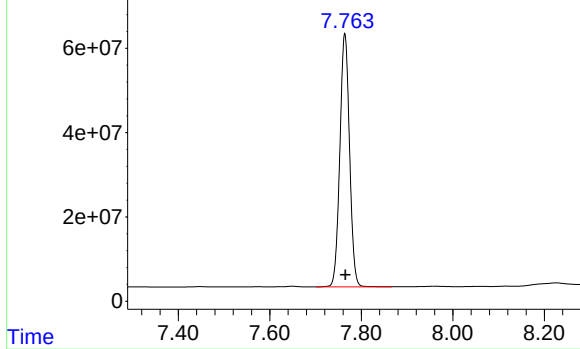
Instrument :
ECD_S
ClientSampleId :
I.BLK

Time

Response_

Signal: PS028259.D\ECD2B.ch

#4 2,4-DCAA



R.T.: 7.764 min
Delta R.T.: -0.001 min
Response: 881371225
Conc: 506.02 ng/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	11/06/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	11/06/24
Client Sample ID:	PIBLK-PS028271.D	SDG No.:	P4578
Lab Sample ID:	I.BLK-PS028271.D	Matrix:	TCLP
Analytical Method:	SW8151A	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Decanted:	
Soil Aliquot Vol:	uL	Final Vol:	10000 uL
Extraction Type:		Test:	TCLP Herbicide
GPC Factor :	1.0	Injection Volume :	
PH :			
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS028271.D	1		11/06/24	PS110624

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	0.49	U	0.49	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	0.45	U	0.45	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	519		70 (39) - 130 (175)	104%	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\PS110624\
Data File : PS028271.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Nov 2024 17:51
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
I.BLK

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 11/08/2024
Supervised By :Ankita Jodhani 11/08/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 07 00:43:42 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110624.M
Quant Title : 8080.M
QLast Update : Wed Nov 06 11:48:19 2024
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
4) S 2,4-DCAA	7.261	7.764	1328.9E6	898.5E6	518.817m	515.880

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS110624\
Data File : PS028271.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Nov 2024 17:51
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

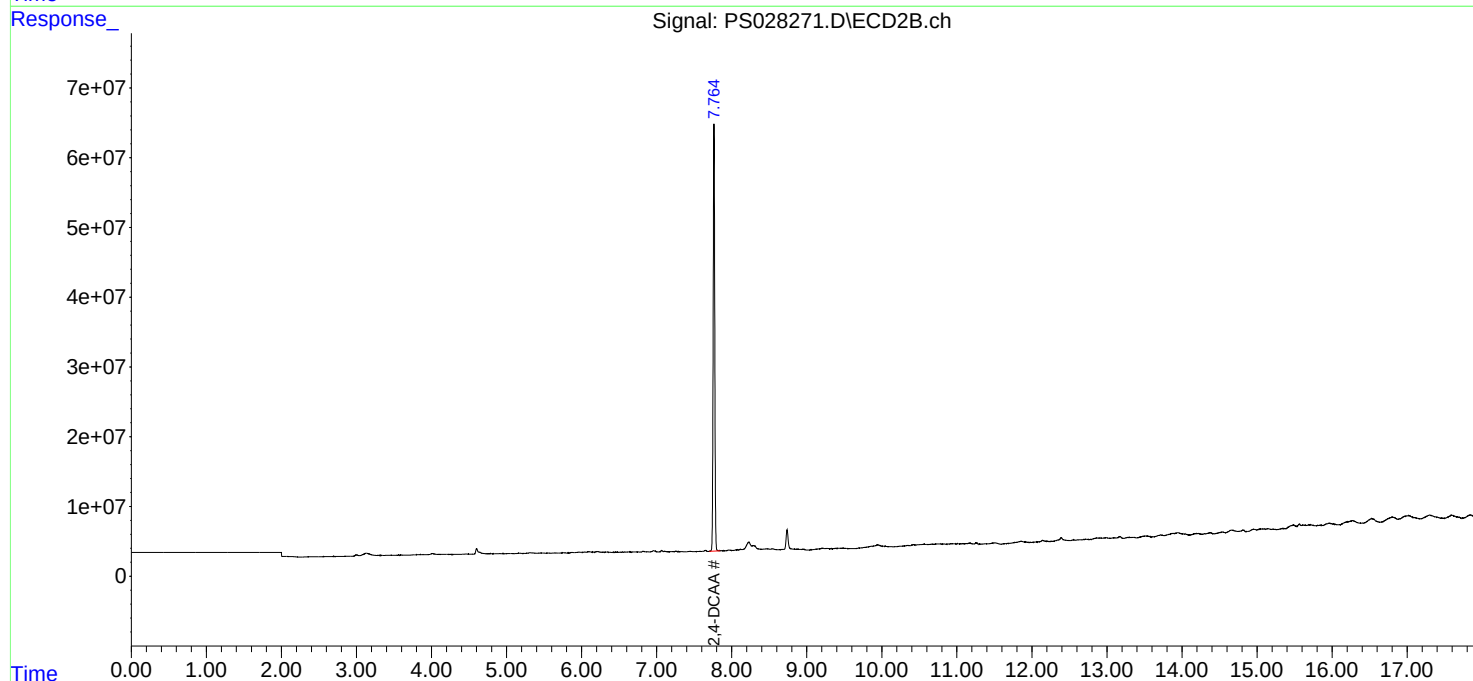
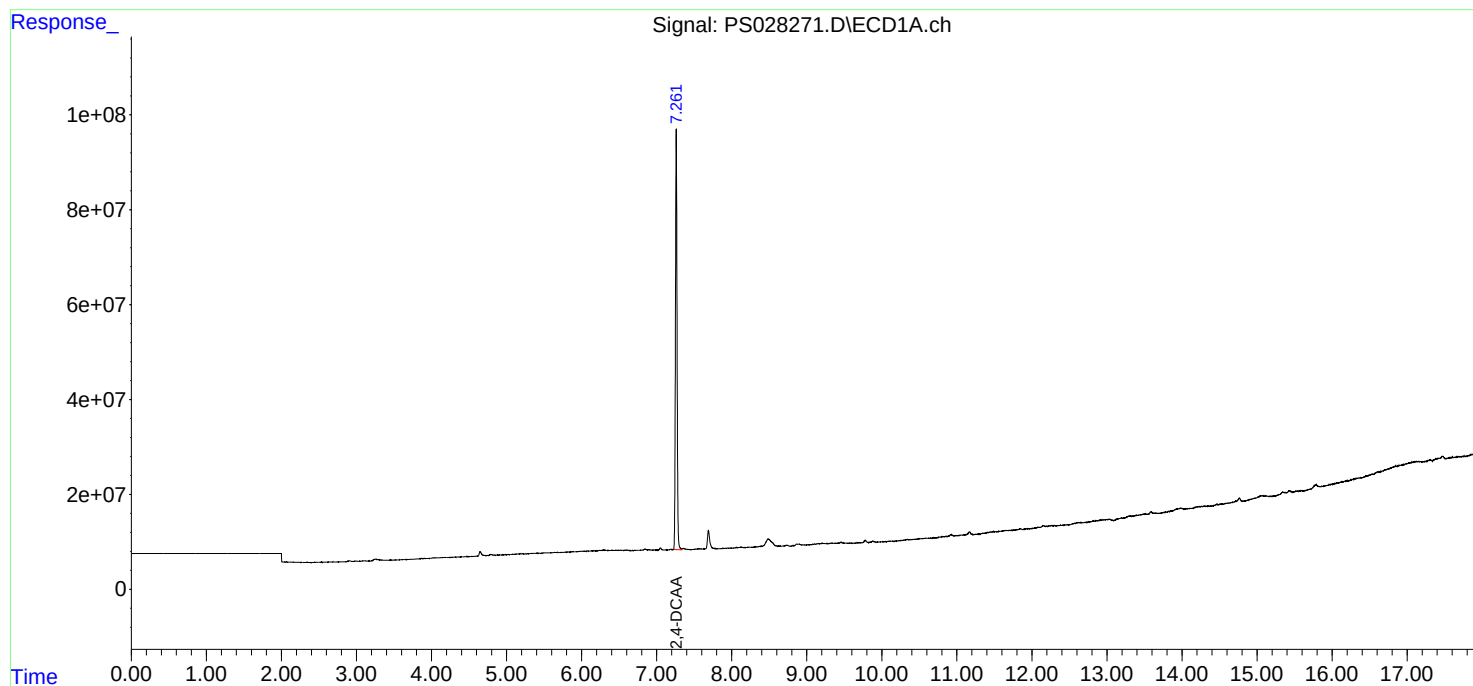
Instrument :
ECD_S
ClientSampleId :
I.BLK

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 11/08/2024
Supervised By :Ankita Jodhani 11/08/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 07 00:43:42 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110624.M
Quant Title : 8080.M
QLast Update : Wed Nov 06 11:48:19 2024
Response via : Initial Calibration
Integrator: ChemStation

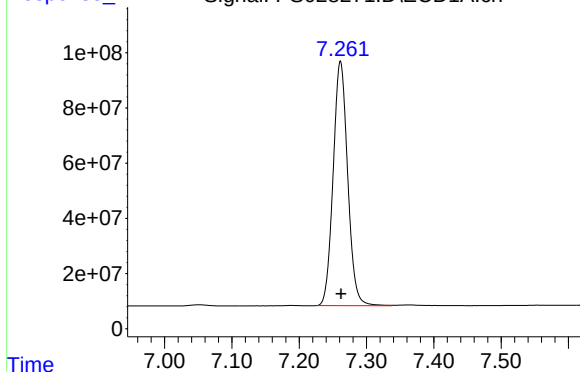
Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



Response_

Signal: PS028271.D\ECD1A.ch

#4 2,4-DCAA



R.T.: 7.261 min
Delta R.T.: -0.002 min
Response: 1328903940
Conc: 518.82 ng/ml

Instrument :

ECD_S

ClientSampleId :

I.BLK

Manual Integrations

APPROVED

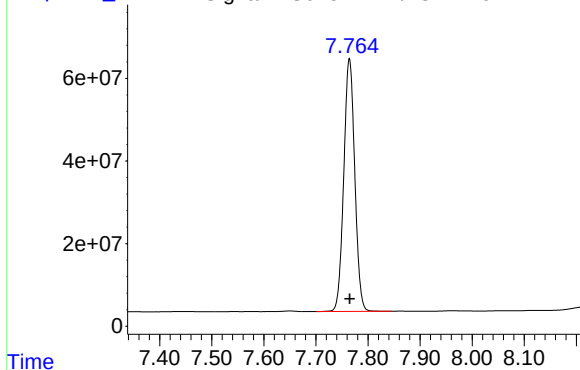
Reviewed By :Abdul Mirza 11/08/2024
Supervised By :Ankita Jodhani 11/08/2024

Time

Response_

Signal: PS028271.D\ECD2B.ch

#4 2,4-DCAA



R.T.: 7.764 min
Delta R.T.: 0.000 min
Response: 898549682
Conc: 515.88 ng/ml

Time

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	11/06/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	11/06/24
Client Sample ID:	PIBLK-PS028283.D	SDG No.:	P4578
Lab Sample ID:	I.BLK-PS028283.D	Matrix:	TCLP
Analytical Method:	SW8151A	% 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
PS028283.D	1		11/06/24	PS110624

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	0.49	U	0.49	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	0.45	U	0.45	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	529		70 (39) - 130 (175)	106%	SPK: 500

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS110624\
Data File : PS028283.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Nov 2024 22:39
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
I.BLK

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 11/08/2024
Supervised By :Ankita Jodhani 11/08/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 07 00:54:12 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110624.M
Quant Title : 8080.M
QLast Update : Wed Nov 06 11:48:19 2024
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
4) S 2,4-DCAA	7.260	7.763	1355.0E6	899.1E6	529.013m	516.170

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS110624\
Data File : PS028283.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Nov 2024 22:39
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

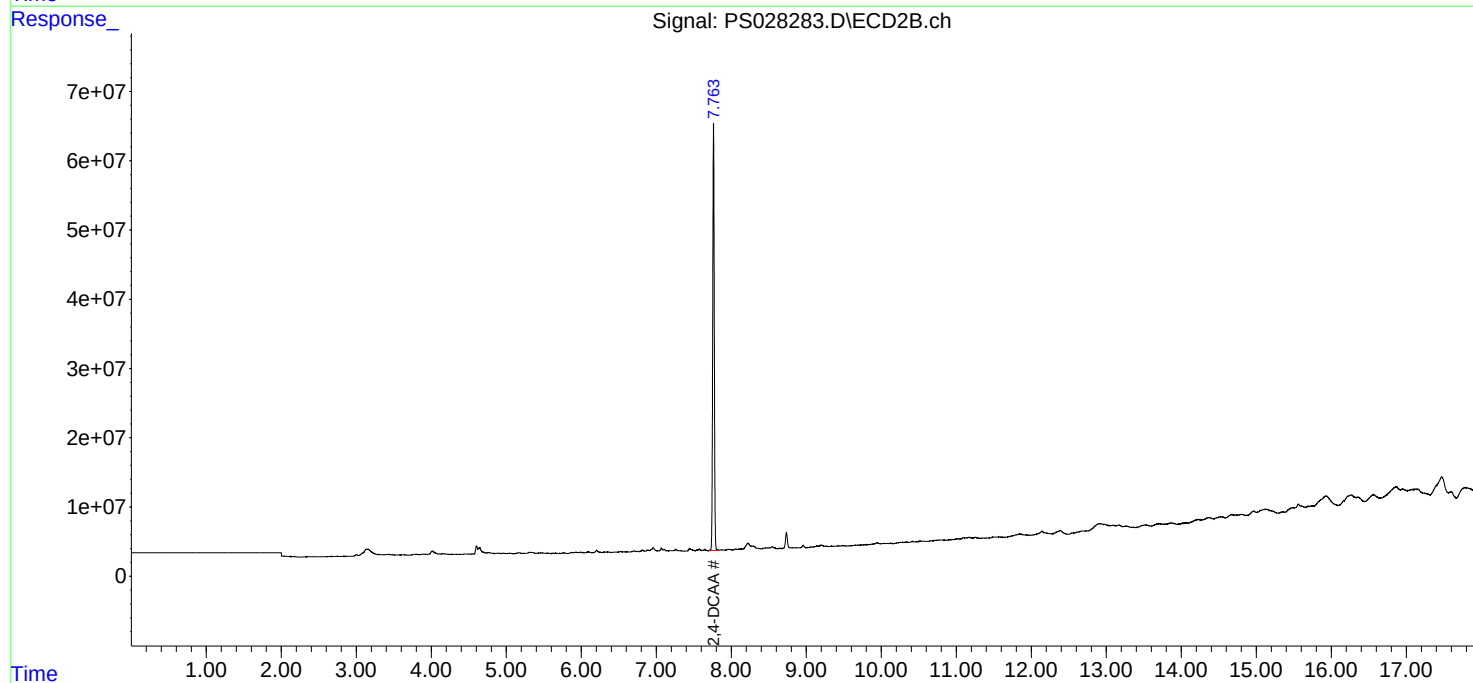
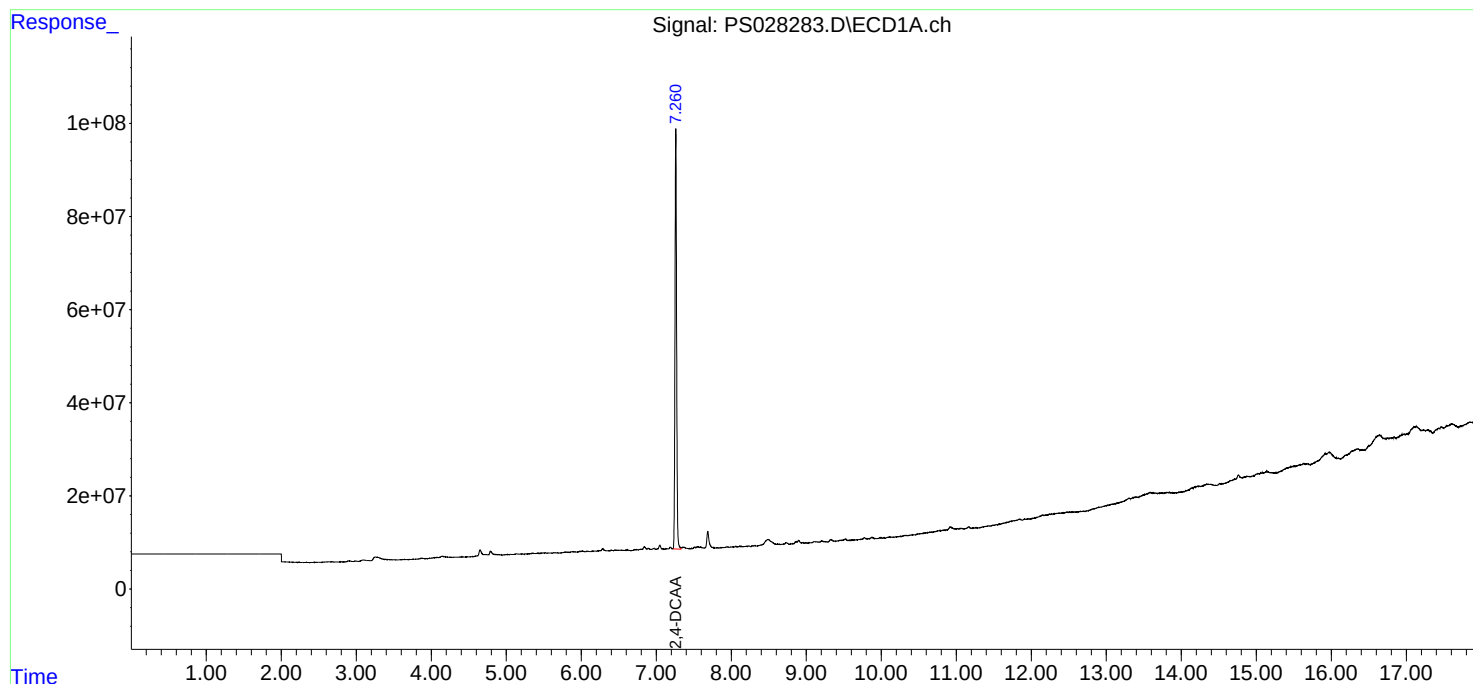
Instrument :
ECD_S
ClientSampleId :
I.BLK

Manual Integrations
APPROVED

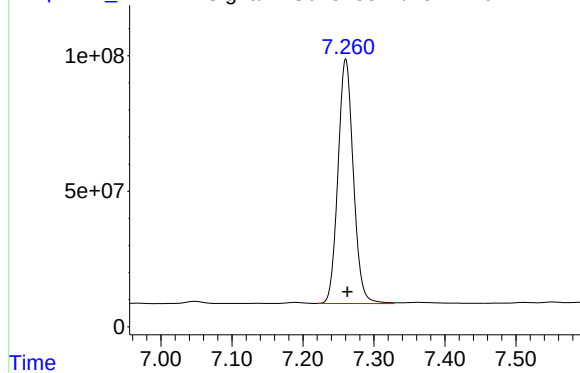
Reviewed By :Abdul Mirza 11/08/2024
Supervised By :Ankita Jodhani 11/08/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 07 00:54:12 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110624.M
Quant Title : 8080.M
QLast Update : Wed Nov 06 11:48:19 2024
Response via : Initial Calibration
Integrator: ChemStation

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



Signal: PS028283.D\ECD1A.ch



#4 2,4-DCAA

R.T.: 7.260 min
Delta R.T.: -0.003 min
Response: 1355020064
Conc: 529.01 ng/ml

Instrument :

ECD_S

ClientSampleId :

I.BLK

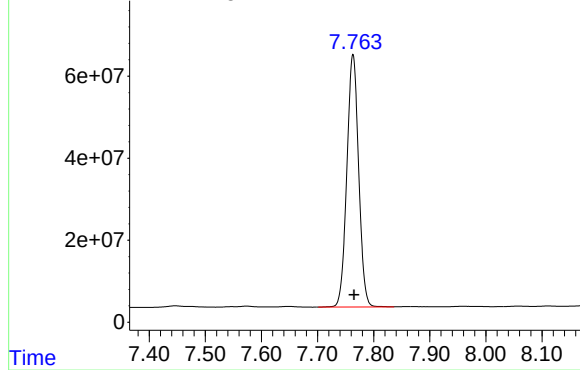
Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 11/08/2024

Supervised By :Ankita Jodhani 11/08/2024

Signal: PS028283.D\ECD2B.ch



#4 2,4-DCAA

R.T.: 7.763 min
Delta R.T.: -0.002 min
Response: 899054821
Conc: 516.17 ng/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	11/07/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	11/07/24
Client Sample ID:	PIBLK-PS028296.D	SDG No.:	P4578
Lab Sample ID:	I.BLK-PS028296.D	Matrix:	TCLP
Analytical Method:	SW8151A	% 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
PS028296.D	1		11/07/24	PS110624

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	0.49	U	0.49	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	0.45	U	0.45	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	531		70 (39) - 130 (175)	106%	SPK: 500

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS110624\
Data File : PS028296.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Nov 2024 04:16
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 07 09:06:47 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110624.M
Quant Title : 8080.M
QLast Update : Wed Nov 06 11:48:19 2024
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
4) S 2,4-DCAA	7.258	7.762	1356.6E6	885.4E6	529.635	508.347

Target Compounds

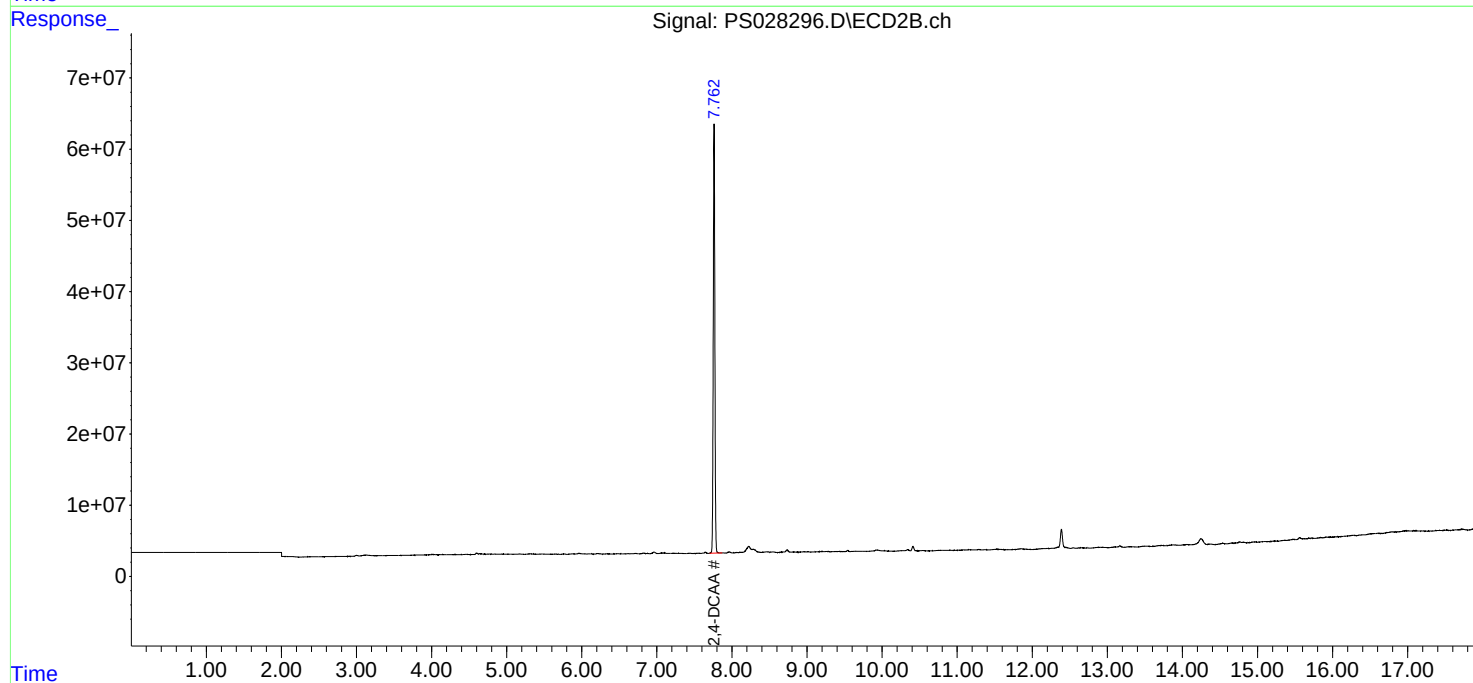
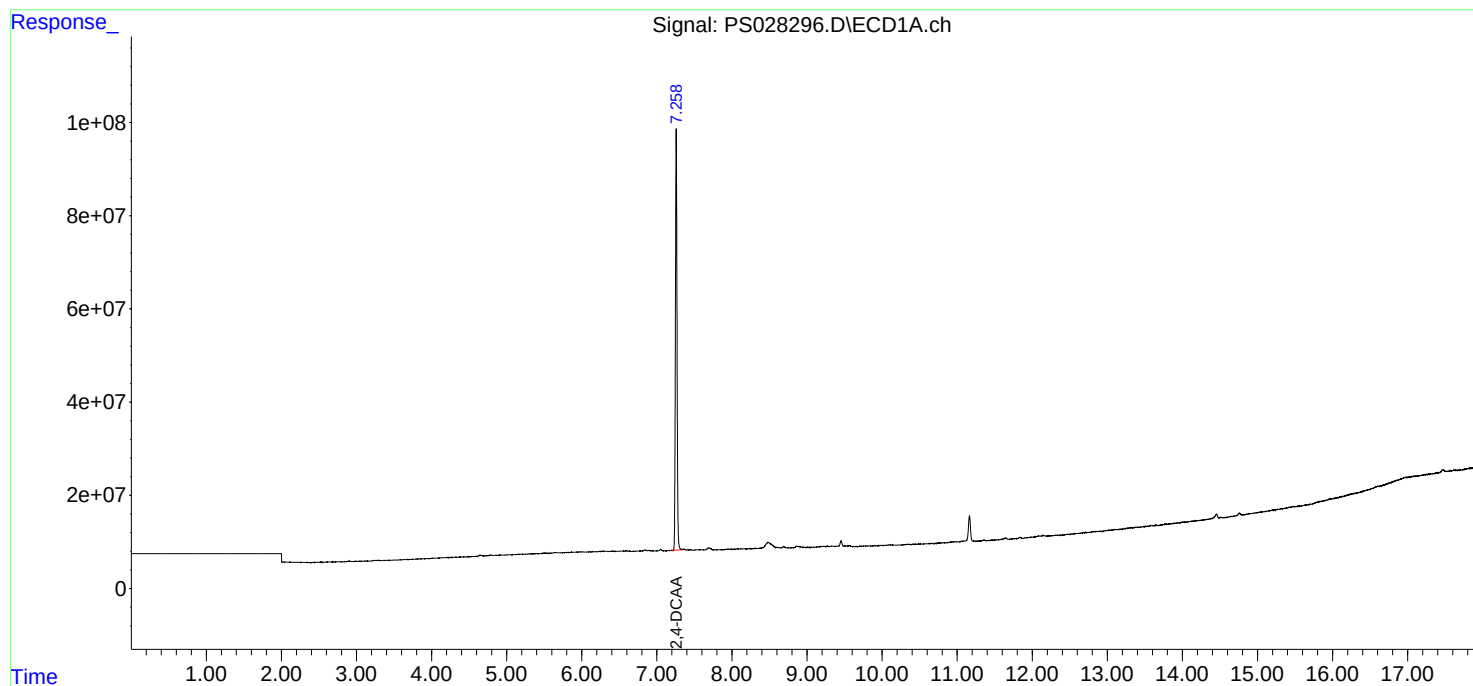
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS110624\
Data File : PS028296.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Nov 2024 04:16
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
I.BLK

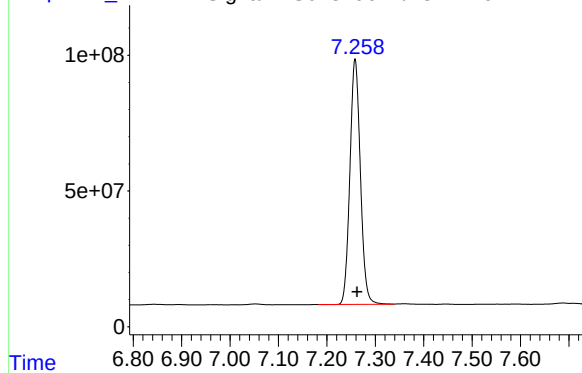
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 07 09:06:47 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110624.M
Quant Title : 8080.M
QLast Update : Wed Nov 06 11:48:19 2024
Response via : Initial Calibration
Integrator: ChemStation

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



Response_ Signal: PS028296.D\ECD1A.ch

#4 2,4-DCAA

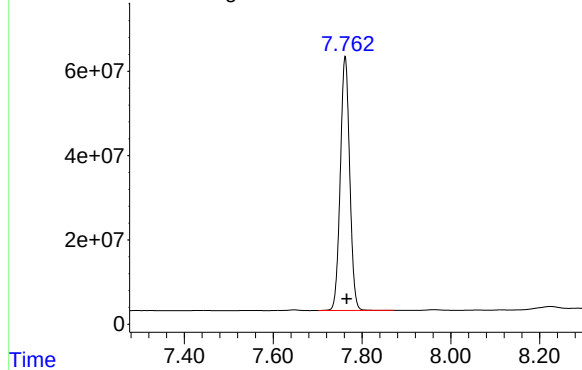


R.T.: 7.258 min
Delta R.T.: -0.004 min
Response: 1356615264
Conc: 529.64 ng/ml

Instrument :
ECD_S
ClientSampleId :
I.BLK

Time Response_ Signal: PS028296.D\ECD2B.ch

#4 2,4-DCAA



R.T.: 7.762 min
Delta R.T.: -0.003 min
Response: 885429243
Conc: 508.35 ng/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	11/07/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	11/07/24
Client Sample ID:	PIBLK-PS028334.D	SDG No.:	P4578
Lab Sample ID:	I.BLK-PS028334.D	Matrix:	TCLP
Analytical Method:	SW8151A	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Decanted:	
Soil Aliquot Vol:	uL	Final Vol:	10000 uL
Extraction Type:		Test:	TCLP Herbicide
GPC Factor :	1.0	Injection Volume :	
PH :			
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS028334.D	1		11/07/24	PS110724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	0.49	U	0.49	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	0.45	U	0.45	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	543		70 (39) - 130 (175)	109%	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\PS110724\
Data File : PS028334.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Nov 2024 20:17
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 08 04:36:51 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110624.M
Quant Title : 8080.M
QLast Update : Wed Nov 06 11:48:19 2024
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
4) S 2,4-DCAA	7.253	7.758	1389.6E6	824.4E6	542.520	473.294

Target Compounds

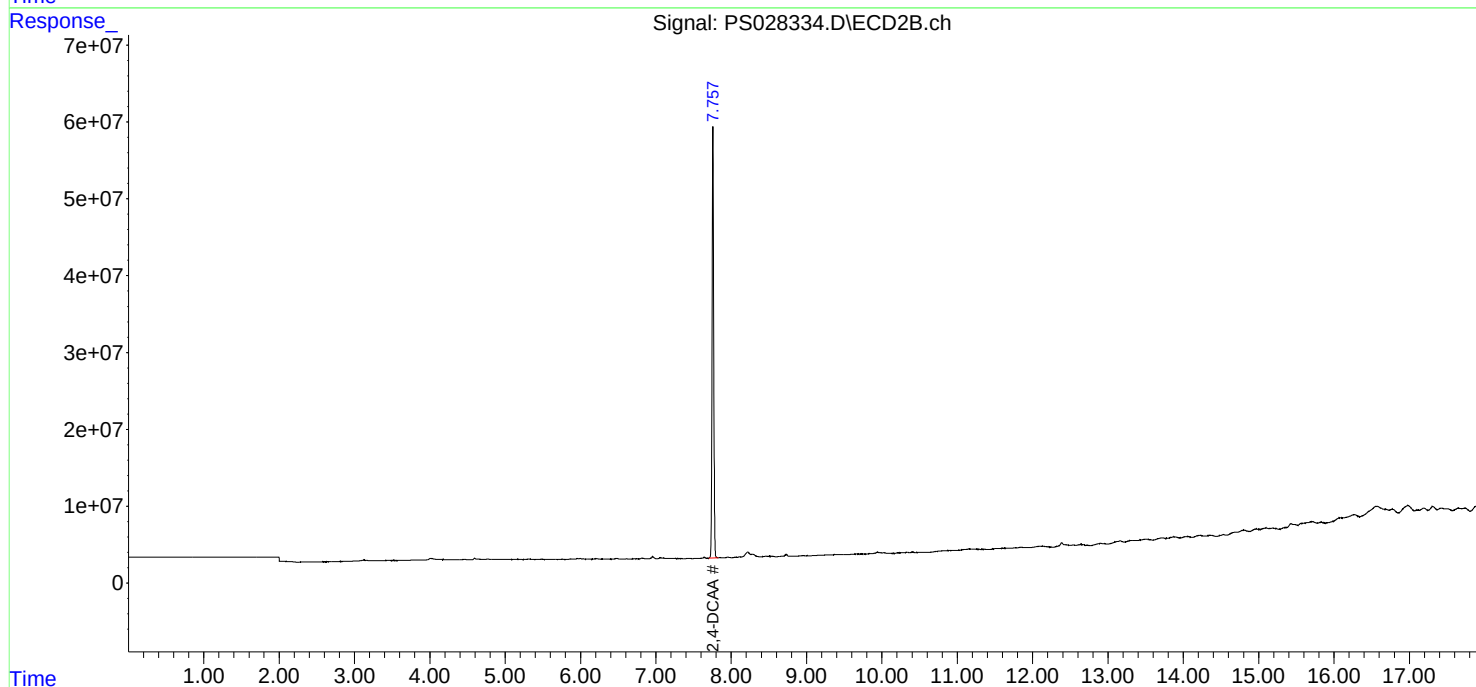
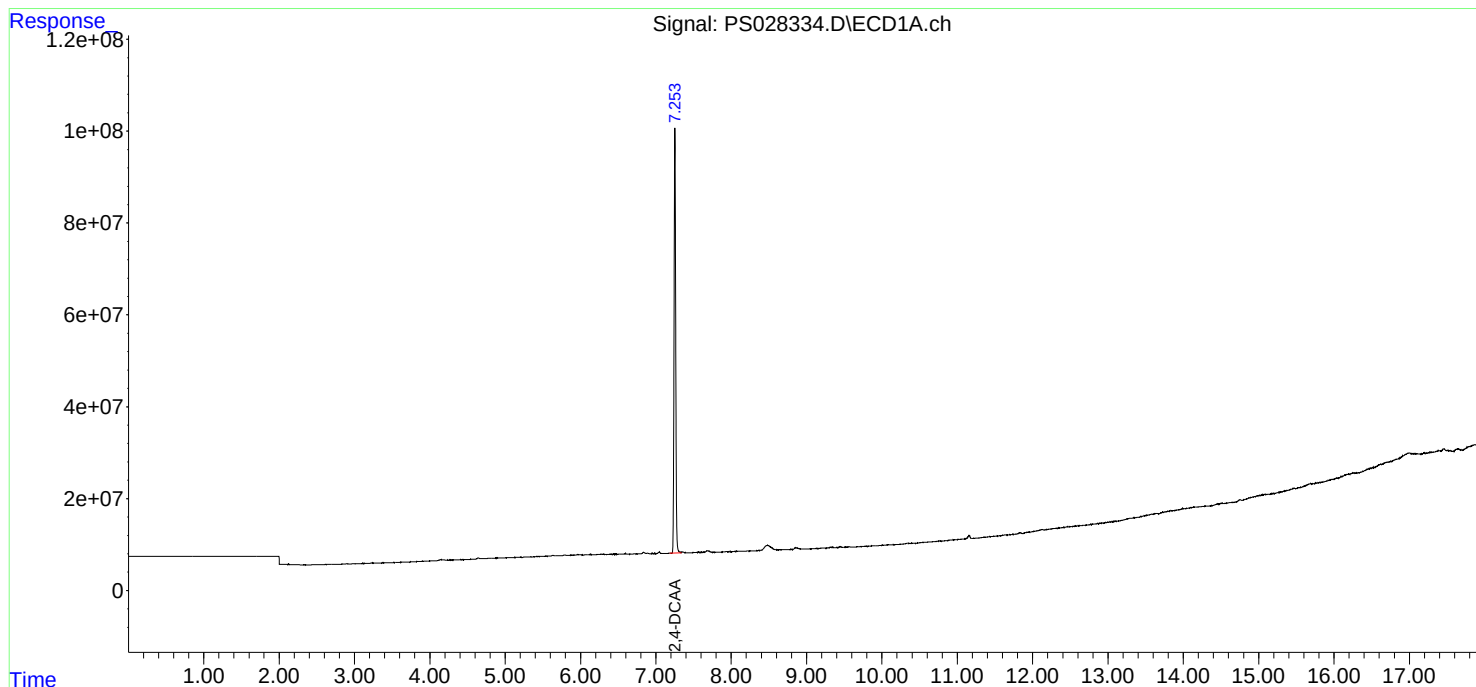
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

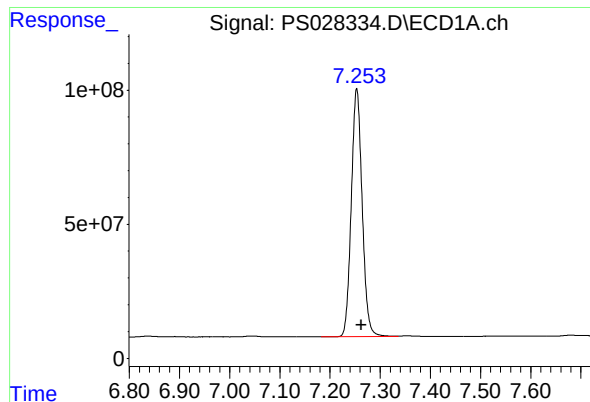
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS110724\
Data File : PS028334.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Nov 2024 20:17
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 08 04:36:51 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110624.M
Quant Title : 8080.M
QLast Update : Wed Nov 06 11:48:19 2024
Response via : Initial Calibration
Integrator: ChemStation

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





#4 2,4-DCAA

R.T.: 7.253 min

Delta R.T.: -0.009 min

Response: 1389618211

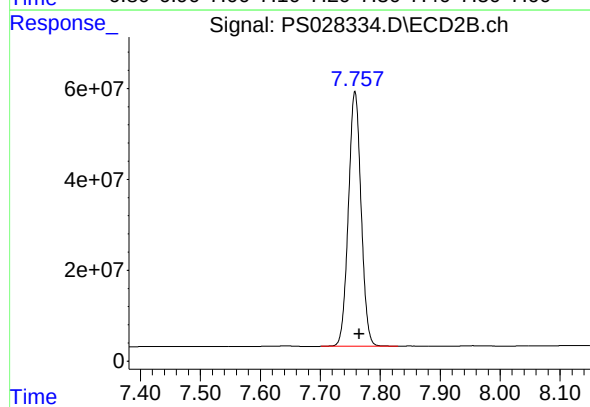
Conc: 542.52 ng/ml

Instrument :

ECD_S

ClientSampleId :

I.BLK



#4 2,4-DCAA

R.T.: 7.758 min

Delta R.T.: -0.007 min

Response: 824374873

Conc: 473.29 ng/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	11/08/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	11/08/24
Client Sample ID:	PIBLK-PS028346.D	SDG No.:	P4578
Lab Sample ID:	I.BLK-PS028346.D	Matrix:	TCLP
Analytical Method:	SW8151A	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Decanted:	
Soil Aliquot Vol:	uL	Final Vol:	10000 uL
Extraction Type:		Test:	TCLP Herbicide
GPC Factor :	1.0	Injection Volume :	
PH :			
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS028346.D	1		11/08/24	PS110724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	0.49	U	0.49	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	0.45	U	0.45	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	547		70 (39) - 130 (175)	109%	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\PS110724\
Data File : PS028346.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Nov 2024 01:29
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 08 04:47:07 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110624.M
Quant Title : 8080.M
QLast Update : Wed Nov 06 11:48:19 2024
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
4) S 2,4-DCAA	7.253	7.758	1401.3E6	816.9E6	547.099	468.977

Target Compounds

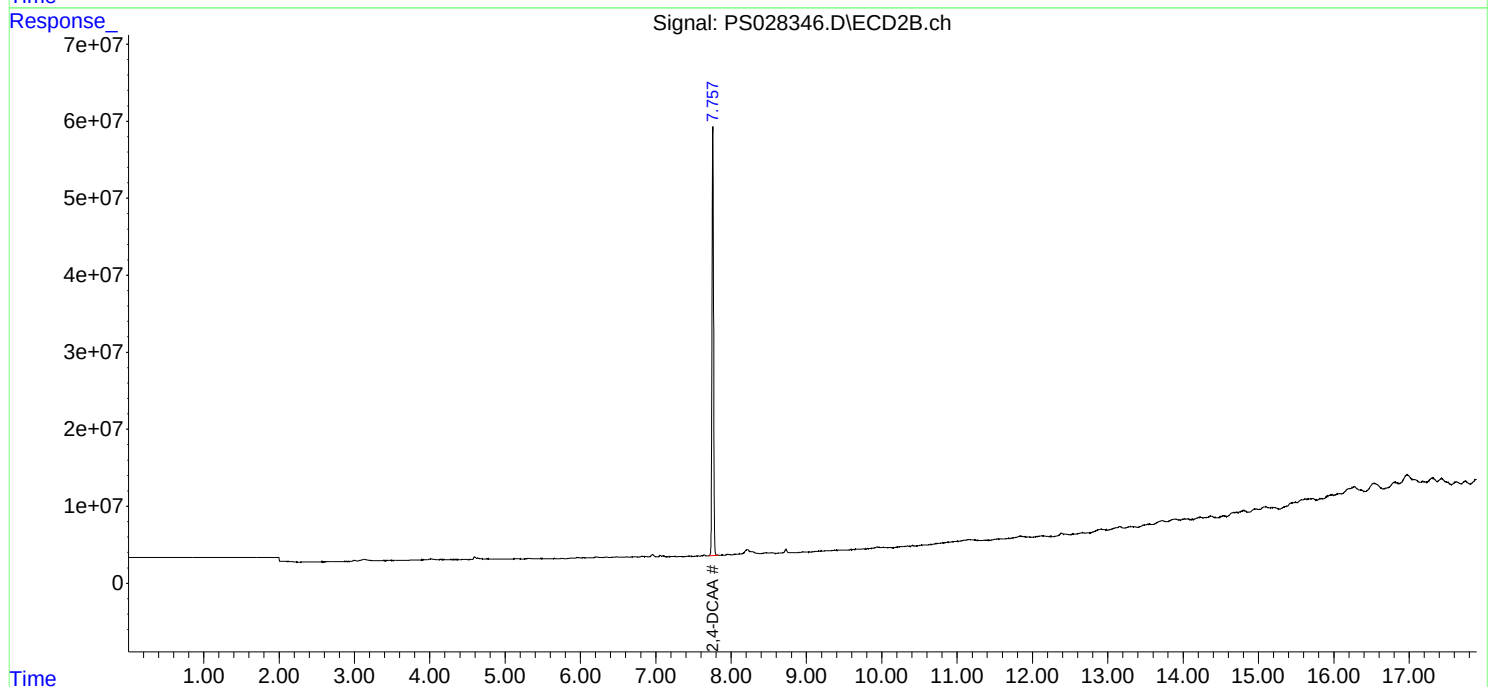
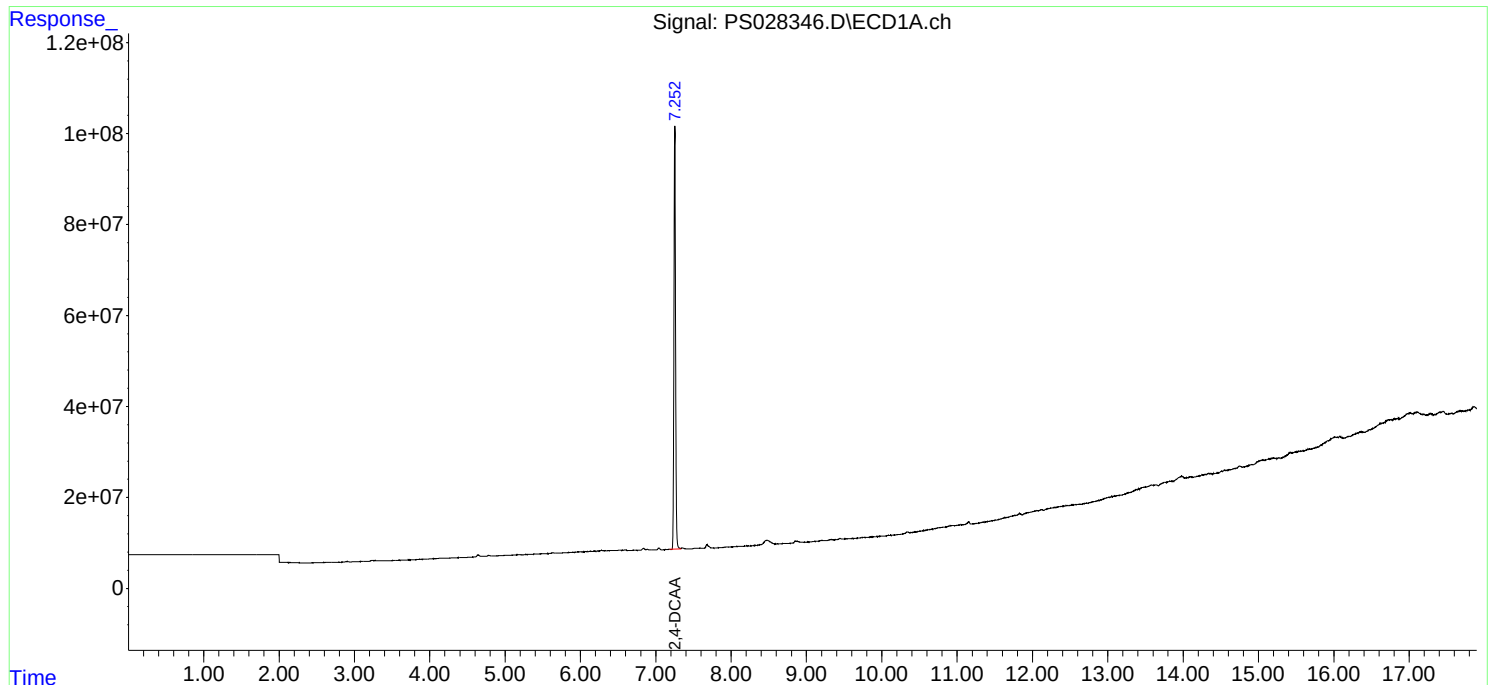
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

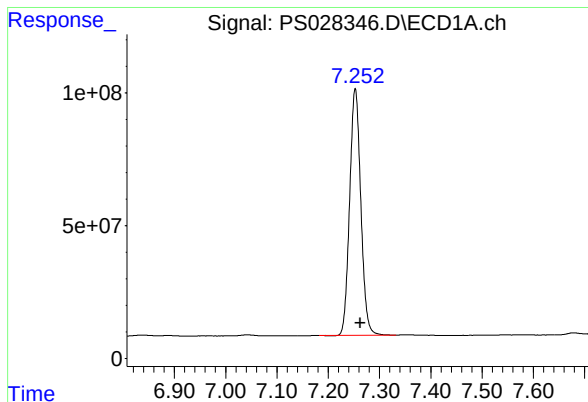
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS110724\
Data File : PS028346.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Nov 2024 01:29
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 08 04:47:07 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110624.M
Quant Title : 8080.M
QLast Update : Wed Nov 06 11:48:19 2024
Response via : Initial Calibration
Integrator: ChemStation

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





#4 2,4-DCAA

R.T.: 7.253 min

Delta R.T.: -0.010 min

Response: 1401347530

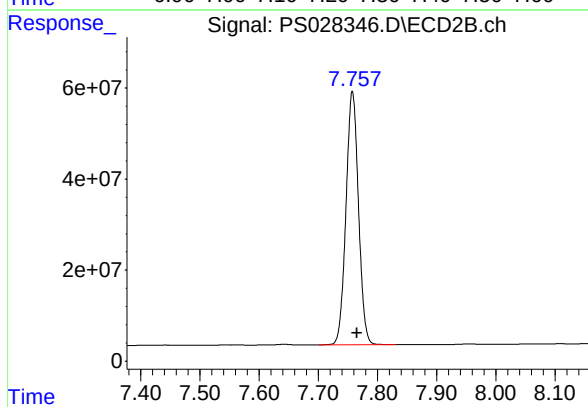
Conc: 547.10 ng/ml

Instrument :

ECD_S

ClientSampleId :

I.BLK



#4 2,4-DCAA

R.T.: 7.758 min

Delta R.T.: -0.008 min

Response: 816855235

Conc: 468.98 ng/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	PB164519BS	SDG No.:	P4578
Lab Sample ID:	PB164519BS	Matrix:	TCLP
Analytical Method:	SW8151A	% 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
PS028263.D	1	10/28/24 08:45	11/06/24 13:50	PB164519

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	5.10		0.49	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	5.10		0.45	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	541		70 (39) - 130 (175)	108%	SPK: 500

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS110624\
 Data File : PS028263.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 06 Nov 2024 13:50
 Operator : AR\AJ
 Sample : PB164519BS
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 PB164519BS

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 06 16:12:07 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110624.M
 Quant Title : 8080.M
 QLast Update : Wed Nov 06 11:48:19 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
4) S	2,4-DCAA	7.262	7.765	1384.5E6	923.0E6	540.540	529.898
Target Compounds							
1) T	Dalapon	2.654	2.710	1598.2E6	1291.5E6	449.021	438.929
2) T	3,5-DICHL...	6.430	6.715	1869.4E6	1253.4E6	498.667	495.241
3) T	4-Nitroph...	7.062	7.291	794.4E6	542.8E6	482.189	473.707
5) T	DICAMBA	7.452	7.966	5642.2E6	4025.5E6	502.490	501.146
6) T	MCPD	7.634	8.066	368.6E6	303.2E6	48.606	49.944
7) T	MCPA	7.784	8.312	503.9E6	409.3E6	48.399	49.089
8) T	DICHLORPROP	8.163	8.684	1427.6E6	999.5E6	506.363	497.442
9) T	2,4-D	8.394	9.015	1598.3E6	1103.4E6	506.415	494.773
10) T	Pentachlo...	8.694	9.546	22317.3E6	14963.0E6	536.955	513.053
11) T	2,4,5-TP ...	9.276	9.922	8699.3E6	6399.2E6	510.956	514.296
12) T	2,4,5-T	9.569	10.344	8960.3E6	6214.8E6	516.877	506.637
13) T	2,4-DB	10.148	10.912	1427.3E6	775.8E6	504.967	489.515
14) T	DINOSEB	11.364	11.292	7386.1E6	4326.8E6	510.835	496.094
15) T	Picloram	11.169	12.392	14385.8E6	8666.1E6	496.081	480.594
16) T	DCPA	11.657	12.339	12424.8E6	7092.3E6	522.947	506.216

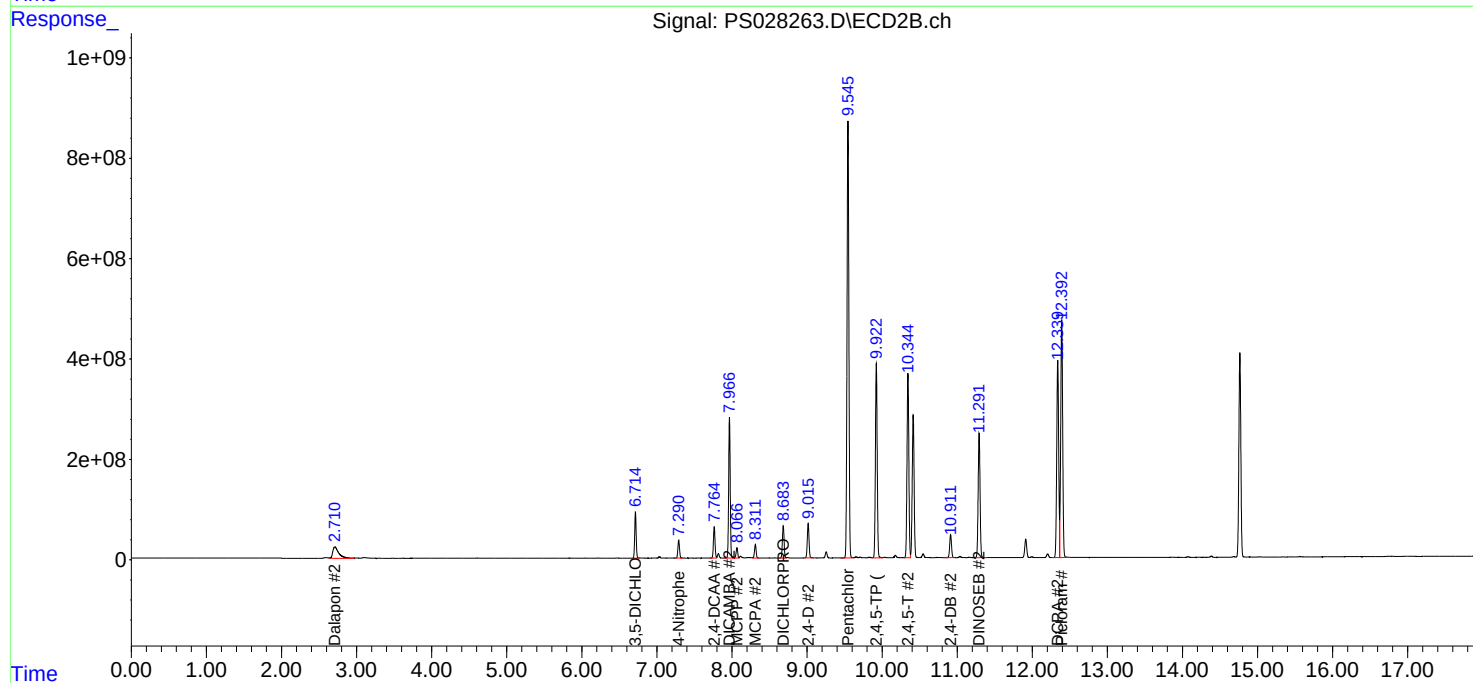
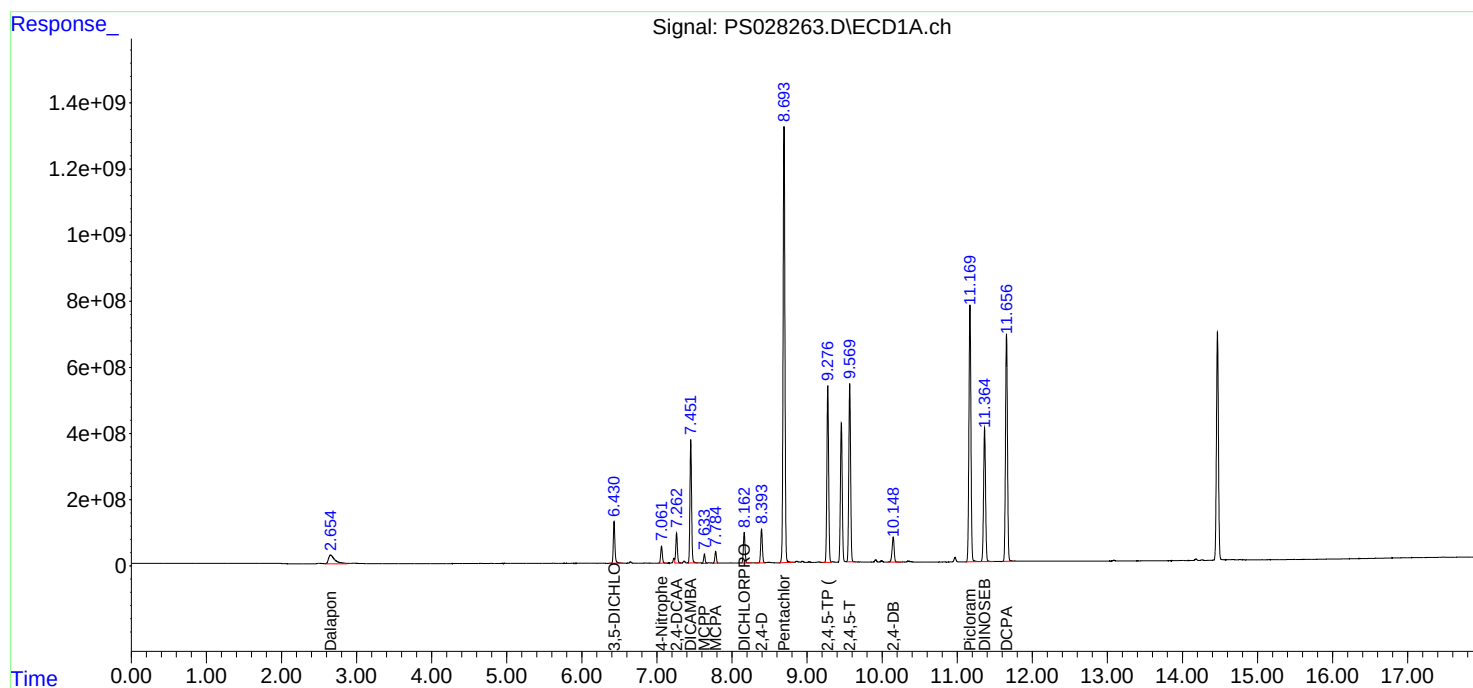
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS110624\
Data File : PS028263.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Nov 2024 13:50
Operator : AR\AJ
Sample : PB164519BS
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
PB164519BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 06 16:12:07 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110624.M
Quant Title : 8080.M
QLast Update : Wed Nov 06 11:48:19 2024
Response via : Initial Calibration
Integrator: ChemStation

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



Report of Analysis

Client:	Portal Partners Tri-Venture		Date Collected:	10/25/24	
Project:	Amtrak Sawtooth Bridges 2024		Date Received:	10/25/24	
Client Sample ID:	WB-305-BOTMS		SDG No.:	P4578	
Lab Sample ID:	P4578-06MS		Matrix:	TCLP	
Analytical Method:	SW8151A		% 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 :	SW3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS028291.D	1	10/28/24 08:45	11/07/24 02:16	PB164519

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	53.0		4.90	20.0	ug/L
93-72-1	2,4,5-TP (Silvex)	72.0	P	4.50	20.0	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	356		70 (39) - 130 (175)	71%	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\PS110624\
 Data File : PS028291.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 07 Nov 2024 02:16
 Operator : AR\AJ
 Sample : P4578-06MS
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 WB-305-BOTMS

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 11/08/2024
 Supervised By :Ankita Jodhani 11/08/2024

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 07 03:21:11 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110624.M
 Quant Title : 8080.M
 QLast Update : Wed Nov 06 11:48:19 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
4) S	2,4-DCAA	7.259	7.762	913.1E6	502.5E6	356.481m	288.499m
Target Compounds							
1) T	Dalapon	2.658	2.713	982.0E6	1080.5E6	275.908	367.216 #
2) T	3,5-DICHL...	6.427	6.713	1625.5E6	1032.2E6	433.611	407.831
5) T	DICAMBA	7.448	7.964	4741.2E6	3320.6E6	422.242	413.388
6) T	MCPD	7.630	8.064	301.8E6	245.6E6	39.807m	40.455
7) T	MCPA	7.780	8.309	442.1E6	401.8E6	42.468	48.188
8) T	DICHLORPROP	8.159	8.681	1340.0E6	882.6E6	475.312	439.261
9) T	2,4-D	8.389	9.012	1673.7E6	1083.8E6	530.289m	485.999
10) T	Pentachlo...	8.690	9.543	14420.7E6	8996.1E6	346.963	308.460
11) T	2,4,5-TP ...	9.272	9.923	8962.9E6	8962.3E6	526.438m	720.282 #
12) T	2,4,5-T	9.565	10.341	8200.2E6	5335.6E6	473.032	434.966
13) T	2,4-DB	10.143	10.909	1102.1E6	626.5E6	389.916	395.278
14) T	DINOSEB	11.359	11.289	3695.6E6	2092.0E6	255.590	239.859
15) T	Picloram	11.164	12.389	11804.1E6	6502.0E6	407.053	360.577
16) T	DCPA	11.651	12.335	11654.9E6	6856.9E6	490.539	489.410

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS110624\
Data File : PS028291.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Nov 2024 02:16
Operator : AR\AJ
Sample : P4578-06MS
Misc :
ALS Vial : 28 Sample Multiplier: 1

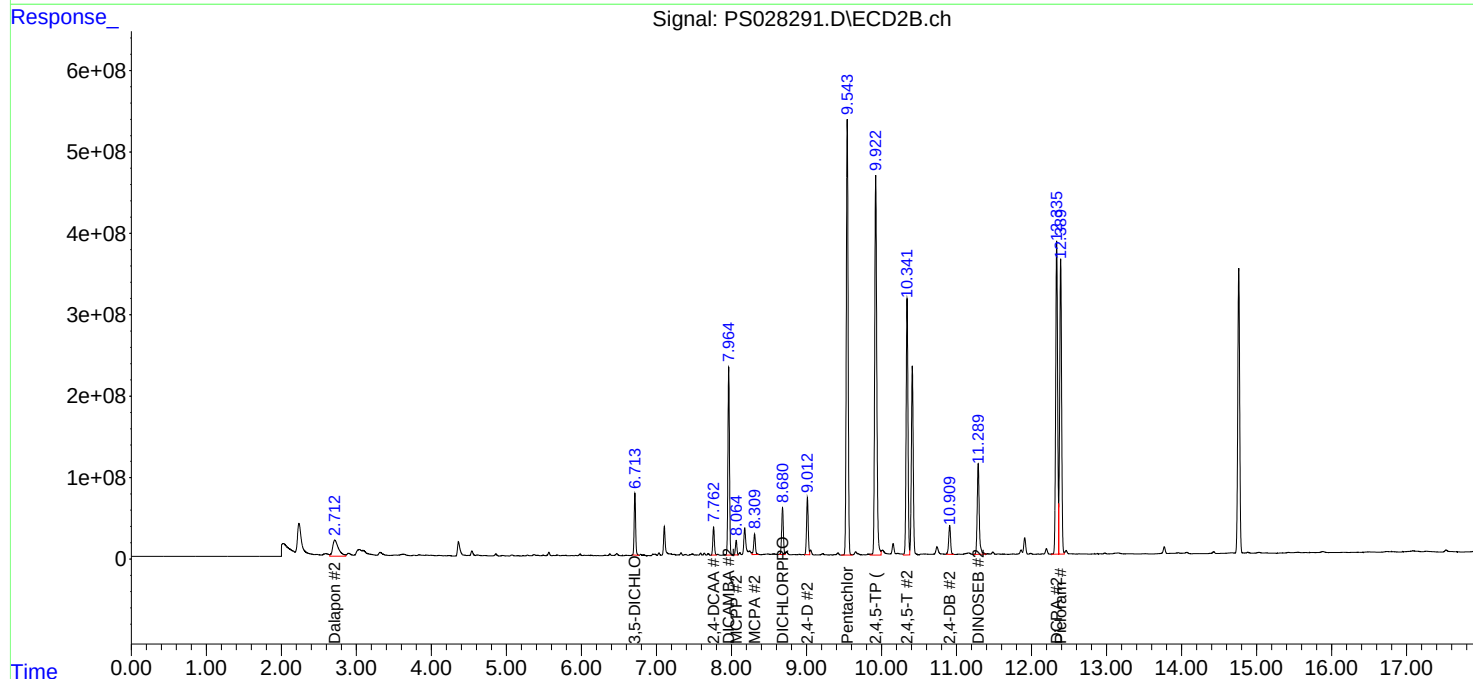
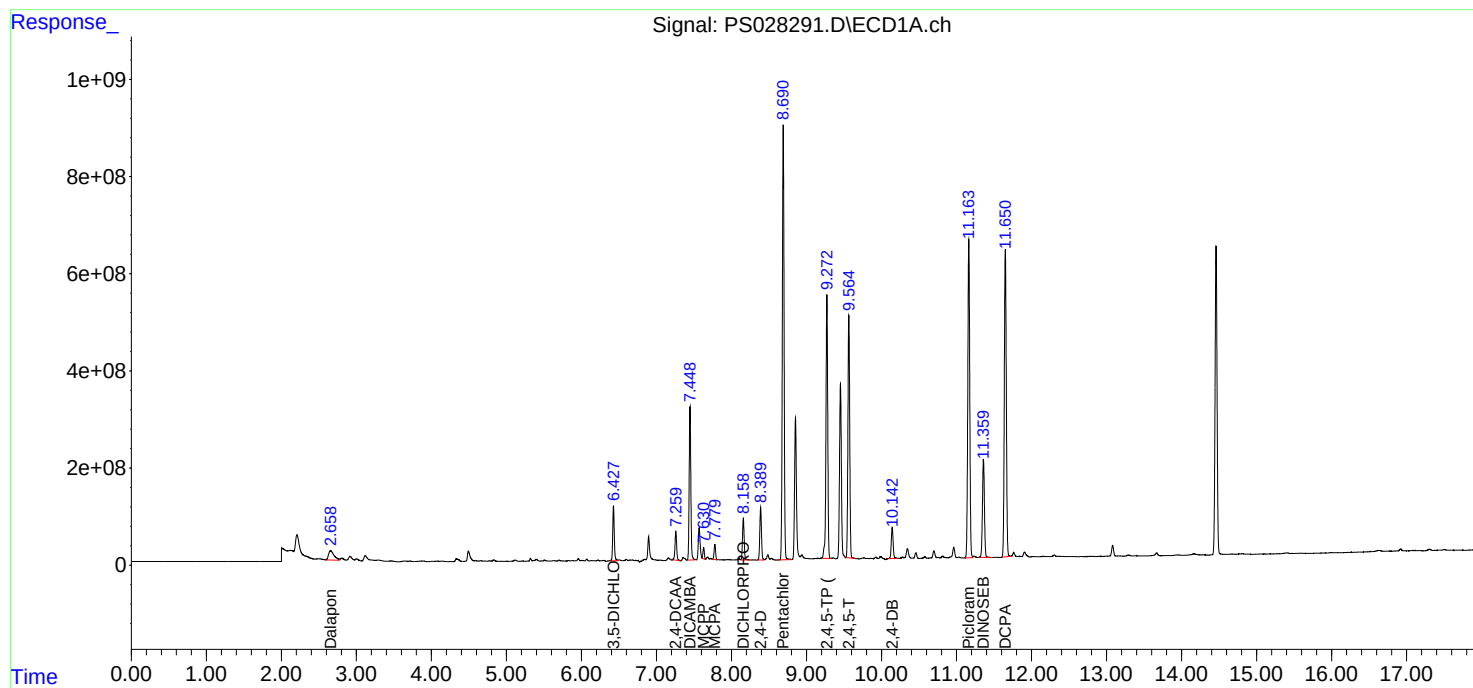
Instrument :
ECD_S
ClientSampleId :
WB-305-BOTMS

Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 11/08/2024
Supervised By : Ankita Jodhani 11/08/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 07 03:21:11 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110624.M
Quant Title : 8080.M
QLast Update : Wed Nov 06 11:48:19 2024
Response via : Initial Calibration
Integrator: ChemStation

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



Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/25/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/25/24
Client Sample ID:	WB-305-BOTMSD	SDG No.:	P4578
Lab Sample ID:	P4578-06MSD	Matrix:	TCLP
Analytical Method:	SW8151A	% 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
PS028292.D	1	10/28/24 08:45	11/07/24 02:40	PB164519

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	54.1		4.90	20.0	ug/L
93-72-1	2,4,5-TP (Silvex)	71.5	P	4.50	20.0	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	364		70 (39) - 130 (175)	73%	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\PS110624\
 Data File : PS028292.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 07 Nov 2024 02:40
 Operator : AR\AJ
 Sample : P4578-06MSD
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 WB-305-BOTMSD

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 11/08/2024
 Supervised By :Ankita Jodhani 11/08/2024

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 07 04:54:33 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110624.M
 Quant Title : 8080.M
 QLast Update : Wed Nov 06 11:48:19 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
4) S	2,4-DCAA	7.259	7.762	932.0E6	522.3E6	363.853m	299.871m
Target Compounds							
1) T	Dalapon	2.657	2.714	977.5E6	1085.7E6	274.631	368.973 #
2) T	3,5-DICHL...	6.427	6.713	1670.5E6	1074.4E6	445.623	424.508
5) T	DICAMBA	7.448	7.964	4790.1E6	3375.9E6	426.597	420.283
6) T	MCPD	7.629	8.064	305.4E6	249.3E6	40.278m	41.056
7) T	MCPA	7.779	8.309	444.4E6	405.9E6	42.688	48.674
8) T	DICHLORPROP	8.159	8.681	1348.3E6	897.8E6	478.243	446.837
9) T	2,4-D	8.389	9.012	1706.4E6	1101.0E6	540.682m	493.711
10) T	Pentachlo...	8.690	9.543	14874.8E6	9344.3E6	357.889	320.398
11) T	2,4,5-TP ...	9.272	9.922	9052.3E6	8900.0E6	531.687	715.282m#
12) T	2,4,5-T	9.565	10.341	8266.1E6	5426.4E6	476.831	442.368
13) T	2,4-DB	10.143	10.909	1110.4E6	634.6E6	392.856	400.384
14) T	DINOSEB	11.359	11.288	3844.9E6	2190.4E6	265.920	251.142
15) T	Picloram	11.164	12.389	12037.9E6	6642.6E6	415.114	368.377
16) T	DCPA	11.651	12.336	11729.0E6	6854.8E6	493.659	489.263

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS110624\
Data File : PS028292.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Nov 2024 02:40
Operator : AR\AJ
Sample : P4578-06MSD
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

WB-305-BOTMSD

Manual Integrations

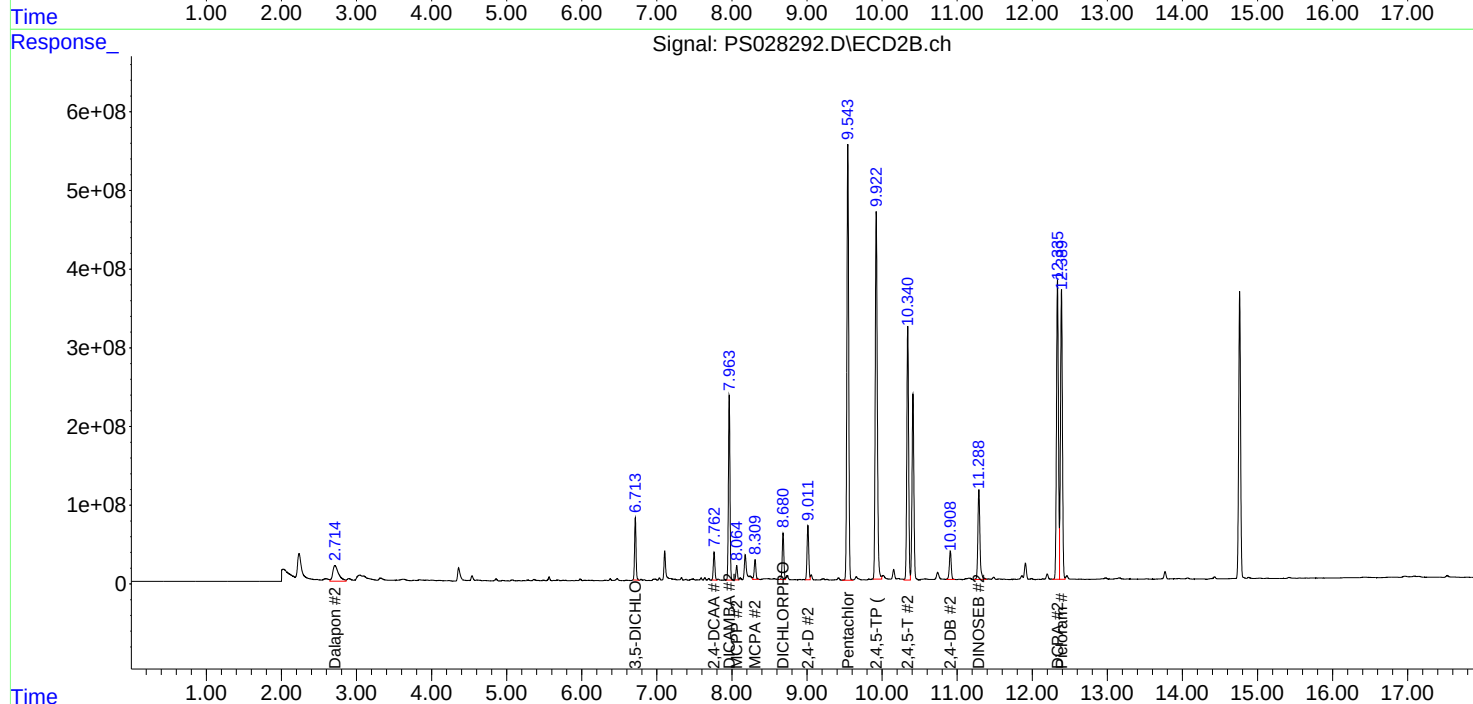
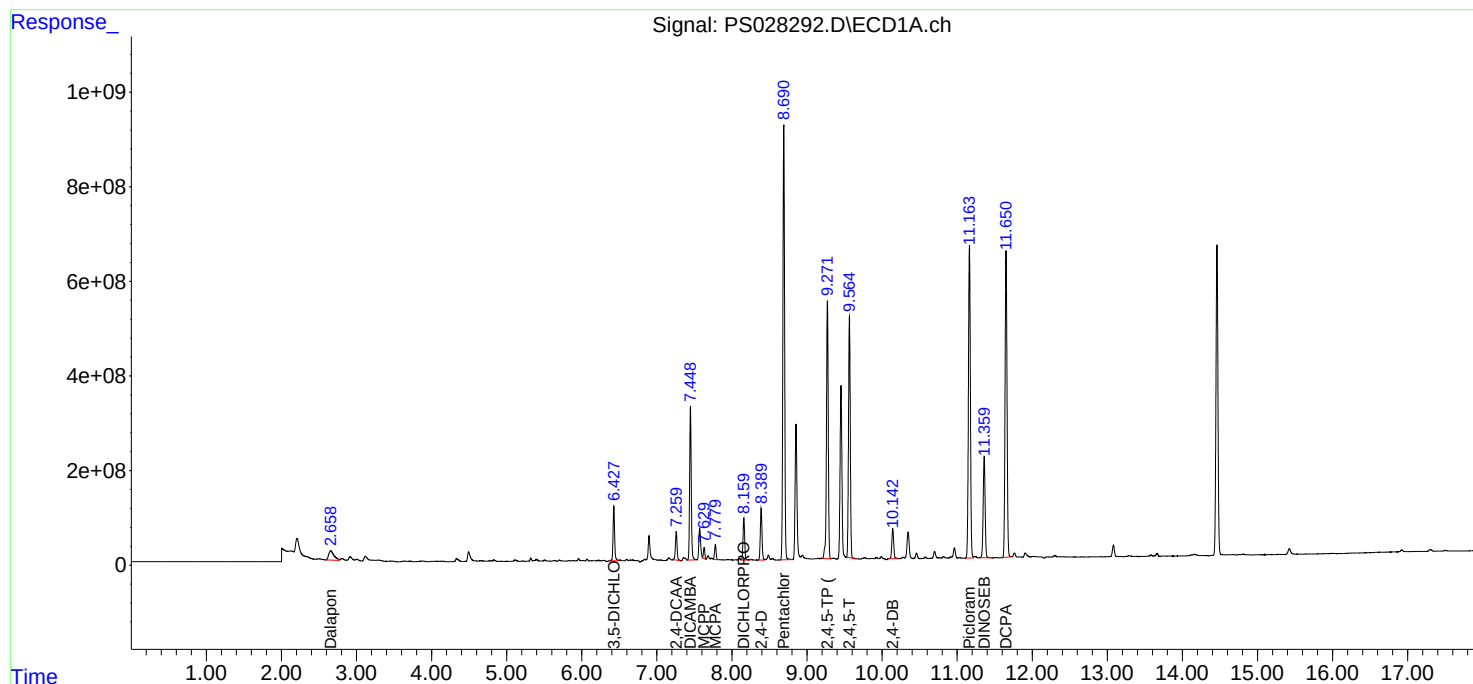
APPROVED

Reviewed By :Abdul Mirza 11/08/2024

Supervised By :Ankita Jodhani 11/08/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 07 04:54:33 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110624.M
Quant Title : 8080.M
QLast Update : Wed Nov 06 11:48:19 2024
Response via : Initial Calibration
Integrator: ChemStation

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



Manual Integration Report

Sequence:	PS110624	Instrument	ECD_s
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
HSTDICC500	PS028254.D	2,4-DCAA	Abdul	11/8/2024 10:55:51 AM	Ankita	11/8/2024 11:03:48	Peak Integrated by Software
HSTDICC1000	PS028256.D	2,4-DCAA	Abdul	11/8/2024 10:55:55 AM	Ankita	11/8/2024 11:03:51	Peak Integrated by Software
HSTDICV750	PS028258.D	2,4-DCAA	Abdul	11/8/2024 10:55:59 AM	Ankita	11/8/2024 11:03:53	Peak Integrated by Software
PB164519BL	PS028262.D	2,4-DCAA #2	Abdul	11/8/2024 10:56:02 AM	Ankita	11/8/2024 11:03:55	Peak Integrated by Software
P4578-06	PS028265.D	2,4-DCAA	Abdul	11/8/2024 10:56:09 AM	Ankita	11/8/2024 11:03:58	Peak Integrated by Software
P4578-06	PS028265.D	2,4-DCAA #2	Abdul	11/8/2024 10:56:09 AM	Ankita	11/8/2024 11:03:58	Peak Integrated by Software
I.BLK	PS028271.D	2,4-DCAA	Abdul	11/8/2024 10:59:56 AM	Ankita	11/8/2024 11:04:10	Peak Integrated by Software
HSTDCCC750	PS028272.D	3,5-DICHLOROBENZOI C ACID #2	Abdul	11/8/2024 11:00:02 AM	Ankita	11/8/2024 11:04:13	Peak Integrated by Software
I.BLK	PS028283.D	2,4-DCAA	Abdul	11/8/2024 10:57:34 AM	Ankita	11/8/2024 11:04:56	Peak Integrated by Software
HSTDCCC750	PS028284.D	3,5-DICHLOROBENZOI C ACID #2	Abdul	11/8/2024 11:01:14 AM	Ankita	11/8/2024 11:04:58	Peak Integrated by Software
P4578-06MS	PS028291.D	2,4,5-TP (SILVEX)	Abdul	11/8/2024 10:57:53 AM	Ankita	11/8/2024 11:05:12	Peak Integrated by Software
P4578-06MS	PS028291.D	2,4-D	Abdul	11/8/2024 10:57:53 AM	Ankita	11/8/2024 11:05:12	Peak Integrated by Software
P4578-06MS	PS028291.D	2,4-DCAA	Abdul	11/8/2024 10:57:53 AM	Ankita	11/8/2024 11:05:12	Peak Integrated by Software

Manual Integration Report

Sequence:	PS110624	Instrument	ECD_s
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
P4578-06MS	PS028291.D	2,4-DCAA #2	Abdul	11/8/2024 10:57:53 AM	Ankita	11/8/2024 11:05:12	Peak Integrated by Software
P4578-06MS	PS028291.D	MCPD	Abdul	11/8/2024 10:57:53 AM	Ankita	11/8/2024 11:05:12	Peak Integrated by Software
P4578-06MSD	PS028292.D	2,4,5-TP (SILVEX) #2	Abdul	11/8/2024 10:43:11 AM	Ankita	11/8/2024 10:46:43	Peak Integrated by Software
P4578-06MSD	PS028292.D	2,4-D	Abdul	11/8/2024 10:43:11 AM	Ankita	11/8/2024 10:46:43	Peak Integrated by Software
P4578-06MSD	PS028292.D	2,4-DCAA	Abdul	11/8/2024 10:43:11 AM	Ankita	11/8/2024 10:46:43	Peak Integrated by Software
P4578-06MSD	PS028292.D	2,4-DCAA #2	Abdul	11/8/2024 10:43:11 AM	Ankita	11/8/2024 10:46:43	Peak Integrated by Software
P4578-06MSD	PS028292.D	MCPD	Abdul	11/8/2024 10:43:11 AM	Ankita	11/8/2024 10:46:43	Peak Integrated by Software
P4578-08	PS028293.D	2,4-DCAA	Abdul	11/8/2024 10:57:57 AM	Ankita	11/8/2024 11:05:14	Peak Integrated by Software
P4578-08	PS028293.D	2,4-DCAA #2	Abdul	11/8/2024 10:57:57 AM	Ankita	11/8/2024 11:05:14	Peak Integrated by Software
HSTDCCC750	PS028297.D	2,4-D	Abdul	11/8/2024 10:43:24 AM	Ankita	11/8/2024 10:46:46	Peak Integrated by Software
HSTDCCC750	PS028297.D	2,4-DCAA	Abdul	11/8/2024 10:43:24 AM	Ankita	11/8/2024 10:46:46	Peak Integrated by Software
HSTDCCC750	PS028309.D	2,4,5-T	Abdul	11/8/2024 10:43:50 AM	Ankita	11/8/2024 10:46:57	Peak Integrated by Software
HSTDCCC750	PS028320.D	2,4,5-T	Abdul	11/8/2024 10:44:46 AM	Ankita	11/8/2024 10:46:10	Peak Integrated by Software

Manual Integration Report

Sequence:

PS110624

Instrument

ECD_s

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
HSTDCCC750	PS028320.D	2,4-D	Abdul	11/8/2024 10:44:46 AM	Ankita	11/8/2024 10:46:10	Peak Integrated by Software
HSTDCCC750	PS028332.D	2,4,5-T	Abdul	11/8/2024 10:59:13 AM	Ankita	11/8/2024 11:05:48	Peak Integrated by Software
HSTDCCC750	PS028332.D	2,4-D	Abdul	11/8/2024 10:59:13 AM	Ankita	11/8/2024 11:05:48	Peak Integrated by Software
HSTDCCC750	PS028332.D	2,4-DCAA	Abdul	11/8/2024 10:59:13 AM	Ankita	11/8/2024 11:05:48	Peak Integrated by Software

Manual Integration Report

Sequence:	PS110724	Instrument	ECD_s
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
HSTDCCC750	PS028335.D	2,4,5-T	Abdul	11/8/2024 10:40:12 AM	Ankita	11/8/2024 10:45:11	Peak Integrated by Software
HSTDCCC750	PS028335.D	3,5-DICHLOROBENZOI C ACID #2	Abdul	11/8/2024 10:40:12 AM	Ankita	11/8/2024 10:45:11	Peak Integrated by Software
PB164393TB	PS028345.D	2,4-DCAA #2	Abdul	11/8/2024 10:40:57 AM	Ankita	11/8/2024 10:45:31	Peak Integrated by Software
HSTDCCC750	PS028347.D	2,4,5-T	Abdul	11/8/2024 10:41:00 AM	Ankita	11/8/2024 10:45:33	Peak Integrated by Software
HSTDCCC750	PS028347.D	3,5-DICHLOROBENZOI C ACID #2	Abdul	11/8/2024 10:41:00 AM	Ankita	11/8/2024 10:45:33	Peak Integrated by Software

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS110624

Review By	Abdul	Review On	11/8/2024 11:03:42 AM
Supervise By	Ankita	Supervise On	11/8/2024 11:06:06 AM
SubDirectory	PS110624	HP Acquire Method	HP Processing Method ps110624 8151
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	P23457,PP23458,PP23459,PP23460,PP23461,PP23462,PP23467,PP23468,PP23469		
CCC Internal Standard/PEM	PP23462		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP23469		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PS028251.D	06 Nov 2024 09:00	AR\AJ	Ok
2	I.BLK	PS028252.D	06 Nov 2024 09:24	AR\AJ	Ok
3	HSTDICC200	PS028253.D	06 Nov 2024 09:48	AR\AJ	Ok
4	HSTDICC500	PS028254.D	06 Nov 2024 10:12	AR\AJ	Ok,M
5	HSTDICC750	PS028255.D	06 Nov 2024 10:36	AR\AJ	Ok
6	HSTDICC1000	PS028256.D	06 Nov 2024 11:00	AR\AJ	Ok,M
7	HSTDICC1500	PS028257.D	06 Nov 2024 11:24	AR\AJ	Ok
8	HSTDICV750	PS028258.D	06 Nov 2024 11:48	AR\AJ	Ok,M
9	I.BLK	PS028259.D	06 Nov 2024 12:14	AR\AJ	Ok
10	HSTDCCC750	PS028260.D	06 Nov 2024 12:38	AR\AJ	Ok
11	P4643-09RE	PS028261.D	06 Nov 2024 13:02	AR\AJ	Confirms
12	PB164519BL	PS028262.D	06 Nov 2024 13:26	AR\AJ	Ok,M
13	PB164519BS	PS028263.D	06 Nov 2024 13:50	AR\AJ	Ok
14	PB164393TB	PS028264.D	06 Nov 2024 14:14	AR\AJ	Not Ok
15	P4578-06	PS028265.D	06 Nov 2024 15:23	AR\AJ	Ok,M
16	P4682-01	PS028266.D	06 Nov 2024 15:50	AR\AJ	Ok,M
17	P4667-01	PS028267.D	06 Nov 2024 16:14	AR\AJ	Ok,M
18	P4667-05	PS028268.D	06 Nov 2024 16:39	AR\AJ	Ok,M
19	P4667-09	PS028269.D	06 Nov 2024 17:03	AR\AJ	Ok,M
20	P4667-13	PS028270.D	06 Nov 2024 17:27	AR\AJ	Ok,M
21	I.BLK	PS028271.D	06 Nov 2024 17:51	AR\AJ	Ok,M

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS110624

Review By	Abdul	Review On	11/8/2024 11:03:42 AM
Supervise By	Ankita	Supervise On	11/8/2024 11:06:06 AM
SubDirectory	PS110624	HP Acquire Method	HP Processing Method ps110624 8151
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	P23457,PP23458,PP23459,PP23460,PP23461,PP23462,PP23467,PP23468,PP23469		
CCC	PP23462		
Internal Standard/PEM			
ICV/I.BLK	PP23469		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	HSTDCCC750	PS028272.D	06 Nov 2024 18:15	AR\AJ	Ok,M
23	P4679-01	PS028273.D	06 Nov 2024 18:39	AR\AJ	Ok,M
24	P4680-01	PS028274.D	06 Nov 2024 19:03	AR\AJ	Ok,M
25	P4680-05	PS028275.D	06 Nov 2024 19:27	AR\AJ	Ok,M
26	P4695-01	PS028276.D	06 Nov 2024 19:51	AR\AJ	Ok,M
27	P4693-01	PS028277.D	06 Nov 2024 20:15	AR\AJ	Ok,M
28	P4693-05	PS028278.D	06 Nov 2024 20:39	AR\AJ	Ok,M
29	P4711-01	PS028279.D	06 Nov 2024 21:03	AR\AJ	Ok,M
30	P4711-06	PS028280.D	06 Nov 2024 21:27	AR\AJ	Ok,M
31	P4719-01	PS028281.D	06 Nov 2024 21:51	AR\AJ	Ok,M
32	PB164703BL	PS028282.D	06 Nov 2024 22:15	AR\AJ	Ok,M
33	I.BLK	PS028283.D	06 Nov 2024 22:39	AR\AJ	Ok,M
34	HSTDCCC750	PS028284.D	06 Nov 2024 23:03	AR\AJ	Ok,M
35	PB164703BS	PS028285.D	06 Nov 2024 23:51	AR\AJ	Ok
36	PB164494BS	PS028286.D	07 Nov 2024 00:15	AR\AJ	Ok,M
37	PB164494BSD	PS028287.D	07 Nov 2024 00:39	AR\AJ	Ok,M
38	PB164578BS	PS028288.D	07 Nov 2024 01:04	AR\AJ	Ok,M
39	P4694-01	PS028289.D	07 Nov 2024 01:28	AR\AJ	Ok,M
40	P4694-05	PS028290.D	07 Nov 2024 01:52	AR\AJ	Ok,M
41	P4578-06MS	PS028291.D	07 Nov 2024 02:16	AR\AJ	Ok,M
42	P4578-06MSD	PS028292.D	07 Nov 2024 02:40	AR\AJ	Ok,M
43	P4578-08	PS028293.D	07 Nov 2024 03:04	AR\AJ	Ok,M
44	PB164559BL	PS028294.D	07 Nov 2024 03:28	AR\AJ	Ok,M

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS110624

Review By	Abdul	Review On	11/8/2024 11:03:42 AM
Supervise By	Ankita	Supervise On	11/8/2024 11:06:06 AM
SubDirectory	PS110624	HP Acquire Method	HP Processing Method ps110624 8151
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	P23457,PP23458,PP23459,PP23460,PP23461,PP23462,PP23467,PP23468,PP23469		
CCC	PP23462		
Internal Standard/PEM			
ICV/I.BLK	PP23469		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

45	PB164559BS	PS028295.D	07 Nov 2024 03:52	AR\AJ	Ok,M
46	I.BLK	PS028296.D	07 Nov 2024 04:16	AR\AJ	Ok
47	HSTDCCC750	PS028297.D	07 Nov 2024 04:40	AR\AJ	Ok,M
48	P4601-19	PS028298.D	07 Nov 2024 05:28	AR\AJ	Ok,M
49	P4601-20	PS028299.D	07 Nov 2024 05:52	AR\AJ	Ok,M
50	P4601-21	PS028300.D	07 Nov 2024 06:16	AR\AJ	Ok,M
51	P4601-22	PS028301.D	07 Nov 2024 06:40	AR\AJ	Ok,M
52	P4601-23	PS028302.D	07 Nov 2024 07:04	AR\AJ	Ok,M
53	P4601-24	PS028303.D	07 Nov 2024 07:28	AR\AJ	Ok,M
54	P4601-25	PS028304.D	07 Nov 2024 07:52	AR\AJ	Ok,M
55	P4601-26	PS028305.D	07 Nov 2024 08:16	AR\AJ	Ok,M
56	P4601-27	PS028306.D	07 Nov 2024 08:40	AR\AJ	Ok,M
57	P4601-28	PS028307.D	07 Nov 2024 09:04	AR\AJ	Ok,M
58	I.BLK	PS028308.D	07 Nov 2024 09:28	AR\AJ	Ok
59	HSTDCCC750	PS028309.D	07 Nov 2024 09:52	AR\AJ	Ok,M
60	P4660-03	PS028310.D	07 Nov 2024 10:16	AR\AJ	Ok
61	P4660-07	PS028311.D	07 Nov 2024 10:40	AR\AJ	Ok,M
62	P4660-11	PS028312.D	07 Nov 2024 11:04	AR\AJ	Ok,M
63	P4660-03MS	PS028313.D	07 Nov 2024 11:28	AR\AJ	Ok,M
64	P4660-03MSD	PS028314.D	07 Nov 2024 11:52	AR\AJ	Ok,M
65	PB164752BL	PS028315.D	07 Nov 2024 12:16	AR\AJ	Ok,M
66	PB164752BS	PS028316.D	07 Nov 2024 12:40	AR\AJ	Ok
67	PB164560TB	PS028317.D	07 Nov 2024 13:04	AR\AJ	Ok,M

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS110624

Review By	Abdul	Review On	11/8/2024 11:03:42 AM
Supervise By	Ankita	Supervise On	11/8/2024 11:06:06 AM
SubDirectory	PS110624	HP Acquire Method	HP Processing Method ps110624 8151
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	P23457,PP23458,PP23459,PP23460,PP23461,PP23462,PP23467,PP23468,PP23469		
CCC	PP23462		
Internal Standard/PEM			
ICV/I.BLK	PP23469		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

68	P4368-07	PS028318.D	07 Nov 2024 13:28	AR\AJ	Ok,M
69	I.BLK	PS028319.D	07 Nov 2024 13:52	AR\AJ	Ok
70	HSTDCCC750	PS028320.D	07 Nov 2024 14:16	AR\AJ	Ok,M
71	P4601-29	PS028321.D	07 Nov 2024 14:40	AR\AJ	Not Ok
72	P4601-30	PS028322.D	07 Nov 2024 15:05	AR\AJ	Not Ok
73	P4601-31	PS028323.D	07 Nov 2024 15:29	AR\AJ	Not Ok
74	P4601-32	PS028324.D	07 Nov 2024 15:53	AR\AJ	Not Ok
75	P4601-33	PS028325.D	07 Nov 2024 16:17	AR\AJ	Not Ok
76	P4601-34	PS028326.D	07 Nov 2024 16:41	AR\AJ	Not Ok
77	P4601-35	PS028327.D	07 Nov 2024 17:05	AR\AJ	Not Ok
78	P4601-36	PS028328.D	07 Nov 2024 17:29	AR\AJ	Not Ok
79	P4601-37MS	PS028329.D	07 Nov 2024 17:53	AR\AJ	Not Ok
80	P4601-37MSD	PS028330.D	07 Nov 2024 18:17	AR\AJ	Not Ok
81	I.BLK	PS028331.D	07 Nov 2024 18:41	AR\AJ	Not Ok
82	HSTDCCC750	PS028332.D	07 Nov 2024 19:05	AR\AJ	Not Ok

M : Manual Integration

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS110724

Review By	Abdul	Review On	11/8/2024 10:41:23 AM
Supervise By	Ankita	Supervise On	11/8/2024 10:45:46 AM
SubDirectory	PS110724	HP Acquire Method	HP Processing Method ps110624 8151
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	P23457,PP23458,PP23459,PP23460,PP23461,PP23462,PP23467,PP23468,PP23469		
CCC Internal Standard/PEM	PP23462		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP23469		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PS028333.D	07 Nov 2024 19:53	AR\AJ	Ok
2	I.BLK	PS028334.D	07 Nov 2024 20:17	AR\AJ	Ok
3	HSTDCCC750	PS028335.D	07 Nov 2024 20:41	AR\AJ	Ok,M
4	P4601-24	PS028336.D	07 Nov 2024 21:29	AR\AJ	Not Ok
5	P4601-25	PS028337.D	07 Nov 2024 21:53	AR\AJ	Not Ok
6	P4601-26	PS028338.D	07 Nov 2024 22:17	AR\AJ	Not Ok
7	P4602-43	PS028339.D	07 Nov 2024 22:41	AR\AJ	Not Ok
8	P4602-44MS	PS028340.D	07 Nov 2024 23:05	AR\AJ	Not Ok
9	P4602-45MSD	PS028341.D	07 Nov 2024 23:29	AR\AJ	Not Ok
10	P4602-40	PS028342.D	07 Nov 2024 23:53	AR\AJ	Not Ok
11	P4602-41MS	PS028343.D	08 Nov 2024 00:17	AR\AJ	Not Ok
12	P4602-42MSD	PS028344.D	08 Nov 2024 00:41	AR\AJ	Not Ok
13	PB164393TB	PS028345.D	08 Nov 2024 01:05	AR\AJ	Ok,M
14	I.BLK	PS028346.D	08 Nov 2024 01:29	AR\AJ	Ok
15	HSTDCCC750	PS028347.D	08 Nov 2024 01:53	AR\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS110624

Review By	Abdul	Review On	11/8/2024 11:03:42 AM
Supervise By	Ankita	Supervise On	11/8/2024 11:06:06 AM
SubDirectory	PS110624	HP Acquire Method	HP Processing Method ps110624 8151
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	P23457,PP23458,PP23459,PP23460,PP23461,PP23462,PP23467,PP23468,PP23469		
CCC	PP23462		
Internal Standard/PEM			
ICV/I.BLK	PP23469		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PS028251.D	06 Nov 2024 09:00		AR\AJ	Ok
2	I.BLK	I.BLK	PS028252.D	06 Nov 2024 09:24		AR\AJ	Ok
3	HSTDICC200	HSTDICC200	PS028253.D	06 Nov 2024 09:48		AR\AJ	Ok
4	HSTDICC500	HSTDICC500	PS028254.D	06 Nov 2024 10:12		AR\AJ	Ok,M
5	HSTDICC750	HSTDICC750	PS028255.D	06 Nov 2024 10:36		AR\AJ	Ok
6	HSTDICC1000	HSTDICC1000	PS028256.D	06 Nov 2024 11:00		AR\AJ	Ok,M
7	HSTDICC1500	HSTDICC1500	PS028257.D	06 Nov 2024 11:24		AR\AJ	Ok
8	HSTDICV750	ICVPS110624	PS028258.D	06 Nov 2024 11:48		AR\AJ	Ok,M
9	I.BLK	I.BLK	PS028259.D	06 Nov 2024 12:14		AR\AJ	Ok
10	HSTDCCC750	HSTDCCC750	PS028260.D	06 Nov 2024 12:38		AR\AJ	Ok
11	P4643-09RE	TP-9RE	PS028261.D	06 Nov 2024 13:02	Surrogate fail	AR\AJ	Confirms
12	PB164519BL	PB164519BL	PS028262.D	06 Nov 2024 13:26		AR\AJ	Ok,M
13	PB164519BS	PB164519BS	PS028263.D	06 Nov 2024 13:50		AR\AJ	Ok
14	PB164393TB	PB164393TB	PS028264.D	06 Nov 2024 14:14	Surrogate Fail	AR\AJ	Not Ok
15	P4578-06	WB-305-BOT	PS028265.D	06 Nov 2024 15:23		AR\AJ	Ok,M
16	P4682-01	BELL-SHOP-RAGS	PS028266.D	06 Nov 2024 15:50		AR\AJ	Ok,M
17	P4667-01	BP-F-6	PS028267.D	06 Nov 2024 16:14		AR\AJ	Ok,M
18	P4667-05	BP-F-5	PS028268.D	06 Nov 2024 16:39		AR\AJ	Ok,M

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS110624

Review By	Abdul	Review On	11/8/2024 11:03:42 AM
Supervise By	Ankita	Supervise On	11/8/2024 11:06:06 AM
SubDirectory	PS110624	HP Acquire Method	HP Processing Method ps110624 8151
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	P23457,PP23458,PP23459,PP23460,PP23461,PP23462,PP23467,PP23468,PP23469		
CCC	PP23462		
Internal Standard/PEM			
ICV/I.BLK	PP23469		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

19	P4667-09	BP-F-10	PS028269.D	06 Nov 2024 17:03		AR\AJ	Ok,M
20	P4667-13	BP-F-7	PS028270.D	06 Nov 2024 17:27		AR\AJ	Ok,M
21	I.BLK	I.BLK	PS028271.D	06 Nov 2024 17:51		AR\AJ	Ok,M
22	HSTDCCC750	HSTDCCC750	PS028272.D	06 Nov 2024 18:15		AR\AJ	Ok,M
23	P4679-01	MH-1	PS028273.D	06 Nov 2024 18:39		AR\AJ	Ok,M
24	P4680-01	BP-F26	PS028274.D	06 Nov 2024 19:03		AR\AJ	Ok,M
25	P4680-05	BP-F25	PS028275.D	06 Nov 2024 19:27		AR\AJ	Ok,M
26	P4695-01	Z-01	PS028276.D	06 Nov 2024 19:51		AR\AJ	Ok,M
27	P4693-01	BP-G5-WC	PS028277.D	06 Nov 2024 20:15		AR\AJ	Ok,M
28	P4693-05	BP-G4-WC	PS028278.D	06 Nov 2024 20:39		AR\AJ	Ok,M
29	P4711-01	CF-613-COMP-16	PS028279.D	06 Nov 2024 21:03		AR\AJ	Ok,M
30	P4711-06	CF-613-COMP-17	PS028280.D	06 Nov 2024 21:27		AR\AJ	Ok,M
31	P4719-01	BAYAVE-STOCKPILE	PS028281.D	06 Nov 2024 21:51		AR\AJ	Ok,M
32	PB164703BL	PB164703BL	PS028282.D	06 Nov 2024 22:15		AR\AJ	Ok,M
33	I.BLK	I.BLK	PS028283.D	06 Nov 2024 22:39		AR\AJ	Ok,M
34	HSTDCCC750	HSTDCCC750	PS028284.D	06 Nov 2024 23:03		AR\AJ	Ok,M
35	PB164703BS	PB164703BS	PS028285.D	06 Nov 2024 23:51		AR\AJ	Ok
36	PB164494BS	PB164494BS	PS028286.D	07 Nov 2024 00:15		AR\AJ	Ok,M
37	PB164494BSD	PB164494BSD	PS028287.D	07 Nov 2024 00:39		AR\AJ	Ok,M

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS110624

Review By	Abdul	Review On	11/8/2024 11:03:42 AM
Supervise By	Ankita	Supervise On	11/8/2024 11:06:06 AM
SubDirectory	PS110624	HP Acquire Method	HP Processing Method ps110624 8151
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	P23457,PP23458,PP23459,PP23460,PP23461,PP23462,PP23467,PP23468,PP23469		
CCC	PP23462		
Internal Standard/PEM	PP23469		
ICV/I.BLK			
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

38	PB164578BS	PB164578BS	PS028288.D	07 Nov 2024 01:04		AR\AJ	Ok,M
39	P4694-01	Z-03A	PS028289.D	07 Nov 2024 01:28		AR\AJ	Ok,M
40	P4694-05	Z-04	PS028290.D	07 Nov 2024 01:52		AR\AJ	Ok,M
41	P4578-06MS	WB-305-BOTMS	PS028291.D	07 Nov 2024 02:16	Some compound recovery fail	AR\AJ	Ok,M
42	P4578-06MSD	WB-305-BOTMSD	PS028292.D	07 Nov 2024 02:40	Some compound recovery fail	AR\AJ	Ok,M
43	P4578-08	WB-305-BOT-1	PS028293.D	07 Nov 2024 03:04		AR\AJ	Ok,M
44	PB164559BL	PB164559BL	PS028294.D	07 Nov 2024 03:28		AR\AJ	Ok,M
45	PB164559BS	PB164559BS	PS028295.D	07 Nov 2024 03:52		AR\AJ	Ok,M
46	I.BLK	I.BLK	PS028296.D	07 Nov 2024 04:16		AR\AJ	Ok
47	HSTDCCC750	HSTDCCC750	PS028297.D	07 Nov 2024 04:40		AR\AJ	Ok,M
48	P4601-19	C0PI0	PS028298.D	07 Nov 2024 05:28		AR\AJ	Ok,M
49	P4601-20	C0PI2	PS028299.D	07 Nov 2024 05:52		AR\AJ	Ok,M
50	P4601-21	C0PI6	PS028300.D	07 Nov 2024 06:16		AR\AJ	Ok,M
51	P4601-22	C0PI8	PS028301.D	07 Nov 2024 06:40		AR\AJ	Ok,M
52	P4601-23	C0PI9	PS028302.D	07 Nov 2024 07:04		AR\AJ	Ok,M
53	P4601-24	CC0P1	PS028303.D	07 Nov 2024 07:28		AR\AJ	Ok,M
54	P4601-25	CC0P3	PS028304.D	07 Nov 2024 07:52		AR\AJ	Ok,M
55	P4601-26	CC0P5	PS028305.D	07 Nov 2024 08:16		AR\AJ	Ok,M
56	P4601-27	CC0P7	PS028306.D	07 Nov 2024 08:40		AR\AJ	Ok,M

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS110624

Review By	Abdul	Review On	11/8/2024 11:03:42 AM
Supervise By	Ankita	Supervise On	11/8/2024 11:06:06 AM
SubDirectory	PS110624	HP Acquire Method	HP Processing Method ps110624 8151
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	P23457,PP23458,PP23459,PP23460,PP23461,PP23462,PP23467,PP23468,PP23469		
CCC	PP23462		
Internal Standard/PEM			
ICV/I.BLK	PP23469		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

57	P4601-28	CC0P9	PS028307.D	07 Nov 2024 09:04		AR\AJ	Ok,M
58	I.BLK	I.BLK	PS028308.D	07 Nov 2024 09:28		AR\AJ	Ok
59	HSTDCCC750	HSTDCCC750	PS028309.D	07 Nov 2024 09:52		AR\AJ	Ok,M
60	P4660-03	WC-TA2-01-C	PS028310.D	07 Nov 2024 10:16		AR\AJ	Ok
61	P4660-07	WC-WOOD-01-C	PS028311.D	07 Nov 2024 10:40		AR\AJ	Ok,M
62	P4660-11	WC-CONCRETE-01-C	PS028312.D	07 Nov 2024 11:04		AR\AJ	Ok,M
63	P4660-03MS	WC-TA2-01-CMS	PS028313.D	07 Nov 2024 11:28		AR\AJ	Ok,M
64	P4660-03MSD	WC-TA2-01-CMSD	PS028314.D	07 Nov 2024 11:52		AR\AJ	Ok,M
65	PB164752BL	PB164752BL	PS028315.D	07 Nov 2024 12:16		AR\AJ	Ok,M
66	PB164752BS	PB164752BS	PS028316.D	07 Nov 2024 12:40		AR\AJ	Ok
67	PB164560TB	PB164560TB	PS028317.D	07 Nov 2024 13:04		AR\AJ	Ok,M
68	P4368-07	LOD-MDL-WATER-01-C	PS028318.D	07 Nov 2024 13:28		AR\AJ	Ok,M
69	I.BLK	I.BLK	PS028319.D	07 Nov 2024 13:52		AR\AJ	Ok
70	HSTDCCC750	HSTDCCC750	PS028320.D	07 Nov 2024 14:16		AR\AJ	Ok,M
71	P4601-29	CC0Q1	PS028321.D	07 Nov 2024 14:40	Closing CCC Fail	AR\AJ	Not Ok
72	P4601-30	CC0Q6	PS028322.D	07 Nov 2024 15:05	Closing CCC Fail	AR\AJ	Not Ok
73	P4601-31	CC0Q8	PS028323.D	07 Nov 2024 15:29	Closing CCC Fail	AR\AJ	Not Ok
74	P4601-32	CC0R3	PS028324.D	07 Nov 2024 15:53	Closing CCC Fail	AR\AJ	Not Ok
75	P4601-33	CC0R4	PS028325.D	07 Nov 2024 16:17	Closing CCC Fail	AR\AJ	Not Ok

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS110624

Review By	Abdul	Review On	11/8/2024 11:03:42 AM
Supervise By	Ankita	Supervise On	11/8/2024 11:06:06 AM
SubDirectory	PS110624	HP Acquire Method	HP Processing Method ps110624 8151
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	P23457,PP23458,PP23459,PP23460,PP23461,PP23462,PP23467,PP23468,PP23469		
CCC Internal Standard/PEM	PP23462		
ICV/I.BLK Surrogate Standard	PP23469		
MS/MSD Standard			
LCS Standard			

76	P4601-34	CC0R5	PS028326.D	07 Nov 2024 16:41	Closing CCC Fail	AR\AJ	Not Ok
77	P4601-35	CC0R6	PS028327.D	07 Nov 2024 17:05	Closing CCC Fail	AR\AJ	Not Ok
78	P4601-36	CC0R7	PS028328.D	07 Nov 2024 17:29	Closing CCC Fail	AR\AJ	Not Ok
79	P4601-37MS	CC0R7MS	PS028329.D	07 Nov 2024 17:53	Closing CCC Fail	AR\AJ	Not Ok
80	P4601-37MSD	CC0R7MSD	PS028330.D	07 Nov 2024 18:17	Closing CCC Fail	AR\AJ	Not Ok
81	I.BLK	I.BLK	PS028331.D	07 Nov 2024 18:41	Closing CCC Fail	AR\AJ	Not Ok
82	HSTDCCC750	HSTDCCC750	PS028332.D	07 Nov 2024 19:05	CCC Fail	AR\AJ	Not Ok

M : Manual Integration

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS110724

Review By	Abdul	Review On	11/8/2024 10:41:23 AM
Supervise By	Ankita	Supervise On	11/8/2024 10:45:46 AM
SubDirectory	PS110724	HP Acquire Method	HP Processing Method ps110624 8151

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	P23457,PP23458,PP23459,PP23460,PP23461,PP23462,PP23467,PP23468,PP23469
CCC	PP23462
Internal Standard/PEM	
ICV/I.BLK	PP23469
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PS028333.D	07 Nov 2024 19:53		AR\AJ	Ok
2	I.BLK	I.BLK	PS028334.D	07 Nov 2024 20:17		AR\AJ	Ok
3	HSTDCCC750	HSTDCCC750	PS028335.D	07 Nov 2024 20:41	CCC low	AR\AJ	Ok,M
4	P4601-24	CC0P1	PS028336.D	07 Nov 2024 21:29	Opening and closing CCC Fail	AR\AJ	Not Ok
5	P4601-25	CC0P3	PS028337.D	07 Nov 2024 21:53	Opening and closing CCC Fail	AR\AJ	Not Ok
6	P4601-26	CC0P5	PS028338.D	07 Nov 2024 22:17	Opening and closing CCC Fail	AR\AJ	Not Ok
7	P4602-43	CC0R8	PS028339.D	07 Nov 2024 22:41	Opening and closing CCC Fail	AR\AJ	Not Ok
8	P4602-44MS	CC0R8MS	PS028340.D	07 Nov 2024 23:05	Some compound recovery fail	AR\AJ	Not Ok
9	P4602-45MSD	CC0R8MSD	PS028341.D	07 Nov 2024 23:29	Some compound recovery fail	AR\AJ	Not Ok
10	P4602-40	CC0R6	PS028342.D	07 Nov 2024 23:53	Opening and closing CCC Fail	AR\AJ	Not Ok
11	P4602-41MS	CC0R6MS	PS028343.D	08 Nov 2024 00:17	Some compound recovery fail	AR\AJ	Not Ok
12	P4602-42MSD	CC0R6MSD	PS028344.D	08 Nov 2024 00:41	Some compound recovery fail dalpon rpd fail	AR\AJ	Not Ok
13	PB164393TB	PB164393TB	PS028345.D	08 Nov 2024 01:05		AR\AJ	Ok,M
14	I.BLK	I.BLK	PS028346.D	08 Nov 2024 01:29		AR\AJ	Ok
15	HSTDCCC750	HSTDCCC750	PS028347.D	08 Nov 2024 01:53	CCC low	AR\AJ	Ok,M

M : Manual Integration

SOP ID :	M1311-TCLP-15	
SDG No :	N/A	Start Prep Date : 10/25/2024 Time : 17:40
Weight By :	JP	End Prep Date : 10/26/2024 Time : 10:37
Balance ID :	WC SC-4	Combination Ratio : 20
pH Meter ID :	WC PH METER-1	ZHE Cleaning Batch : N/A
Extraction By :	JP	Initial Room Temperature: 23 °C
Filter By :	JP	Final Room Temperature: 22 °C
Pipette ID :	WC	TCLP Technician Signature : JP
Tumbler ID :	T-1 / T-2	Supervisor By : 12
TCLP Filter ID :	114771	

Standardized 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	WP108622
HCL-TCLP,1N	N/A	WP108584
HNO3-TCLP,1N	N/A	WP108585
pH Strips	N/A	W1931,W1934,W2350,W2755
pH Strips	N/A	W1937,W1938,W1939,W1940,W1941,W1942
1 Liter Amber	N/A	23091
120ml Plastic bottle	N/A	21029
1:1 HNO3	MP81119	N/A

Extraction Conformance/Non-Conformance Comments:

Matrix spikes are added after filtration and before preservation. Tumbler T-1 / T-2 CHECKED,30 RPM. Particle size reduction is not required. p4578-08 is used for MS-MSD.

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
10/26/24 11:45	JP 1st Room	JP 1st Room
	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
P4452-03	ETGI-285	01	100.03	2000	N/A	N/A	N/A	11.0	1.5	T-1
P4545-02	VNJ-215	02	100.02	2000	N/A	N/A	N/A	5.8	1.5	T-1
P4547-04	BP-F-21	03	100.01	2000	N/A	N/A	N/A	4.5	1.0	T-1
P4547-08	BP-F-20	04	100.02	2000	N/A	N/A	N/A	6.0	1.0	T-1
P4561-04	BP-F-19	05	100.03	2000	N/A	N/A	N/A	5.6	1.5	T-1
P4561-08	BP-F-18	06	100.04	2000	N/A	N/A	N/A	4.0	1.0	T-1
P4567-04	WC-1	07	100.02	2000	N/A	N/A	N/A	7.2	1.5	T-1
P4567-08	WC-2	08	100.03	2000	N/A	N/A	N/A	7.6	1.0	T-1
P4567-12	WC-3	09	100.04	2000	N/A	N/A	N/A	7.6	1.5	T-1
P4574-03	GRAVEL-1	10	100.02	2000	N/A	N/A	N/A	4.5	1.0	T-1
P4574-06	GRAVEL-2	11	100.03	2000	N/A	N/A	N/A	3.5	1.5	T-2
P4574-08	CONCRETE-1	12	100.02	2000	N/A	N/A	N/A	10.5	1.0	T-2
P4574-10	CONCRETE-2	13	100.02	2000	N/A	N/A	N/A	10.5	1.5	T-2
P4574-12	CONCRETE-3	14	100.03	2000	N/A	N/A	N/A	11.0	1.0	T-2
P4578-06	WB-305-BOT	15	100.04	2000	N/A	N/A	N/A	5.8	1.5	T-2
P4578-08	WB-305-BOT-1	16	100.02	2000	N/A	N/A	N/A	6.0	1.5	T-2
PB164393TB	LEB393	17	N/A	2000	N/A	N/A	N/A	4.93	1.5	T-2

SampleID	ClientID	Sample Weight (g)	Filter Weight (g)	Filtrate (mL)	Filter + Solid (After 100°C)	% solids	% Dry Solids
P4452-03	ETGI-285	N/A	N/A	N/A	N/A	100	N/A
P4545-02	VNJ-215	N/A	N/A	N/A	N/A	100	N/A
P4547-04	BP-F-21	N/A	N/A	N/A	N/A	100	N/A
P4547-08	BP-F-20	N/A	N/A	N/A	N/A	100	N/A
P4561-04	BP-F-19	N/A	N/A	N/A	N/A	100	N/A
P4561-08	BP-F-18	N/A	N/A	N/A	N/A	100	N/A
P4567-04	WC-1	N/A	N/A	N/A	N/A	100	N/A
P4567-08	WC-2	N/A	N/A	N/A	N/A	100	N/A
P4567-12	WC-3	N/A	N/A	N/A	N/A	100	N/A
P4574-03	GRAVEL-1	N/A	N/A	N/A	N/A	100	N/A
P4574-06	GRAVEL-2	N/A	N/A	N/A	N/A	100	N/A
P4574-08	CONCRETE-1	N/A	N/A	N/A	N/A	100	N/A
P4574-10	CONCRETE-2	N/A	N/A	N/A	N/A	100	N/A
P4574-12	CONCRETE-3	N/A	N/A	N/A	N/A	100	N/A
P4578-06	WB-305-BOT	N/A	N/A	N/A	N/A	100	N/A
P4578-08	WB-305-BOT-1	N/A	N/A	N/A	N/A	100	N/A
PB164393TB	LEB393	N/A	N/A	N/A	N/A	N/A	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
P4452-03	ETGI-285	5.02	96.5	11.0	4.0	#1	4.93
P4545-02	VNJ-215	5.02	96.5	7.6	2.5	#1	4.93
P4547-04	BP-F-21	5.00	96.5	6.2	2.0	#1	4.93
P4547-08	BP-F-20	5.03	96.5	8.2	3.0	#1	4.93
P4561-04	BP-F-19	5.02	96.5	7.6	2.5	#1	4.93
P4561-08	BP-F-18	5.02	96.5	7.0	2.5	#1	4.93
P4567-04	WC-1	5.03	96.5	9.1	4.0	#1	4.93
P4567-08	WC-2	5.02	96.5	9.5	4.0	#1	4.93
P4567-12	WC-3	5.02	96.5	7.2	3.0	#1	4.93
P4574-03	GRAVEL-1	5.02	96.5	6.0	2.0	#1	4.93
P4574-06	GRAVEL-2	5.03	96.5	5.6	1.5	#1	4.93
P4574-08	CONCRETE-1	5.02	96.5	11.0	4.0	#1	4.93
P4574-10	CONCRETE-2	5.03	96.5	11.0	4.0	#1	4.93
P4574-12	CONCRETE-3	5.02	96.5	11.5	4.5	#1	4.93
P4578-06	WB-305-BOT	5.03	96.5	7.6	2.5	#1	4.93
P4578-08	WB-305-BOT-1	5.02	96.5	8.2	3.0	#1	4.93
PB164393TB	LEB393	N/A	N/A	N/A	N/A	#1	4.93

WORKLIST(Hardcopy Internal Chain)

WorkList Name : tcip p4545 WorkList ID : 184760 Department : TCLP Extraction Date : 10-25-2024 07:58:53

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4542-03	ETGI-285	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	K51	10/18/2024	1311
P4545-02	VNJ-215	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	K61	10/24/2024	1311
P4547-04	BP-F-21	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	K51	10/24/2024	1311
P4547-08	BP-F-20	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	K51	10/24/2024	1311
P4561-04	BP-F-19	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	K63	10/25/2024	1311
P4561-08	BP-F-18	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	K63	10/25/2024	1311
P4567-04	WC-1	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	K61	10/25/2024	1311
P4567-08	WC-2	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	K61	10/25/2024	1311
P4567-12	WC-3	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	K61	10/25/2024	1311
P4574-03	GRAVEL-1	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	K63	10/25/2024	1311
P4574-06	GRAVEL-2	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	K63	10/25/2024	1311
P4574-08	CONCRETE-1	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	K63	10/25/2024	1311
P4574-10	CONCRETE-2	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	K63	10/25/2024	1311
P4574-12	CONCRETE-3	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	K63	10/25/2024	1311
P4578-06	WB-305-BOT	Solid	TCLP Extraction	Cool 4 deg C	PORT06	K63	10/25/2024	1311
P4578-08	WB-305-BOT-1	Solid	TCLP Extraction	Cool 4 deg C	PORT06	K63	10/25/2024	1311

Date/Time 10/25/24 17:25
 Raw Sample Received by: SO WOC
 Raw Sample Relinquished by: J.C (sm)

Date/Time 10/23/24 19:30
 Raw Sample Received by: J.C (sm)
 Raw Sample Relinquished by: SO WOC

SOP ID:	M8151A-Herbicide-22		
Clean Up SOP #:	N/A	Extraction Start Date :	10/28/2024
Matrix :	Water	Extraction Start Time :	08:45
Welgh By:	RJ	Extraction By:	RJ
Balance check:	RJ	Extraction End Date :	10/28/2024
Balance ID:	EX-SC-2	Filter By:	RJ
pH Strip Lot#:	N/A	Extraction End Time :	16:30
		Concentration By:	EH
		Supervisor By :	rajesh
Extraction Method:	☒ Separatory Funnel ☐ Continous Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☐ Soxhlet		

Standard Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	5/500 PPM	PP23699
Surrogate	1.0ML	5000 PPB	PP23907
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	E3370
Acidified Na2SO4	N/A	EP2503
NAOH 6N	N/A	EP2553
NACL	N/A	M4459
METHANOL	N/A	V14150
ISO OCTANE	N/A	E3554
Diazomethane	N/A	E3P2529
Hexane	N/A	EP3819
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

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

KD Bath ID:	N/A	Envap ID:	NEVAP-02
KD Bath Temperature:	N/A	Envap Temperature:	40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
10/28/24	RP (Envap Lab)	T. P. Patel / 11/3/2024
16:35	Preparation Group	Analysis Group

Analytical Method: M8151A-Herbicide-22

Concentration Date: 10/28/2024

Sample ID	Client Sample ID	Test	g / <u>mL</u>	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB164393TB	PB164393TB	TCLP Herbicide	100	6	ritesh	Niha	10			
PB164519BL	HBLK519	TCLP Herbicide	1000	6	ritesh	Niha	10			
PB164519BS	HLCS519	TCLP Herbicide	1000	6	ritesh	Niha	10			
P4578-06	WB-305-BOT	TCLP Herbicide	100	6	ritesh	Niha	10	A		
P4578-06MS	WB-305-BOTMS	TCLP Herbicide	100	6	ritesh	Niha	10	A		
P4578-06MS D	WB-305-BOTMSD	TCLP Herbicide	100	6	ritesh	Niha	10	A		
P4578-08	WB-305-BOT-1	TCLP Herbicide	100	6	ritesh	Niha	10	A		

* Extracts relinquished on the same date as received.


10/28/24

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
P4452-03	ETGI-285	01	100.03	2000	N/A	N/A	N/A	11.0	1.5	T-1
P4545-02	VNJ-215	02	100.02	2000	N/A	N/A	N/A	5.8	1.5	T-1
P4547-04	BP-F-21	03	100.01	2000	N/A	N/A	N/A	4.5	1.0	T-1
P4547-08	BP-F-20	04	100.02	2000	N/A	N/A	N/A	6.0	1.0	T-1
P4561-04	BP-F-19	05	100.03	2000	N/A	N/A	N/A	5.6	1.5	T-1
P4561-08	BP-F-18	06	100.04	2000	N/A	N/A	N/A	4.0	1.0	T-1
P4567-04	WC-1	07	100.02	2000	N/A	N/A	N/A	7.2	1.5	T-1
P4567-08	WC-2	08	100.03	2000	N/A	N/A	N/A	7.6	1.0	T-1
P4567-12	WC-3	09	100.04	2000	N/A	N/A	N/A	7.6	1.5	T-1
P4574-03	GRAVEL-1	10	100.02	2000	N/A	N/A	N/A	4.5	1.0	T-1
P4574-06	GRAVEL-2	11	100.03	2000	N/A	N/A	N/A	3.5	1.5	T-2
P4574-08	CONCRETE-1	12	100.02	2000	N/A	N/A	N/A	10.5	1.0	T-2
P4574-10	CONCRETE-2	13	100.02	2000	N/A	N/A	N/A	10.5	1.5	T-2
P4574-12	CONCRETE-3	14	100.03	2000	N/A	N/A	N/A	11.0	1.0	T-2
P4578-06	WB-305-BOT	15	100.04	2000	N/A	N/A	N/A	5.8	1.5	T-2
P4578-08	WB-305-BOT-1	16	100.02	2000	N/A	N/A	N/A	6.0	1.5	T-2
PB164393TB	LEB393	17	N/A	2000	N/A	N/A	N/A	4.93	1.5	T-2

10/26/2024
11:50



SHIPPING DOCUMENTS

CHEMTECH

CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 • Fax (908) 789-8922
www.chemtech.net

CHEMTECH PROJECT NO.

QUOTE NO.

COC Number

2042038

P4578/79

CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY: GANNETT FLEMING
ADDRESS: 1010 Adams Avenue
CITY: Audubon STATE: PA ZIP: 19408
ATTENTION: JOE Krupansky
PHONE: 610-301-8342 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Amtrak's rep. of SB
PROJECT NO.: 95000088 LOCATION: Kearny, NJ
PROJECT MANAGER: JOE Krupansky
e-mail: QAQC@bomys.com
PHONE: 610-301-8342 FAX:

CLIENT BILLING INFORMATION

BILL TO: chemtech PO#:
ADDRESS: 284 Sheffield St.
CITY: Mountainside STATE: NJ ZIP: 07092
ATTENTION: Samantha PHONE: 908-789-298

ANALYSIS

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): 10 DAYS*
EDD: 10 DAYS*

*TO BE APPROVED BY CHEMTECH

STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS DAYS

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 BEN EDD

TECH VOC TO
TECH PAH
PCB'S
CHLORINATED
TAA Metals
EPH
TCLP-FULL
PCRA Parameters
TOX

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES									COMMENTS		
			COMP	GRAB	DATE	TIME		A			F	B						← Specify Preservatives A-HCl B-HNO3 C-H2SO4	D-NaOH E-ICE F-OTHER
1.	NB-305-SW	GW	X		10/25	8:20	7	X	X	X	X	X	X						
2.	NB-305-SW-1	GW	X		10/25	8:30	7	X	X	X	X	X	X						
3.	NB-305-Top	S	X		10/25	9:20	11	X	X	X	X	X	X						
4.	NB-305-Top-1	S	X		10/25	9:30	11	X	X	X	X	X	X						
5.	NB-305-Bot	S	X		10/25	11:15	11	X	X	X	X	X	X	X	X	X			
6.	NB-305-Bot-1.	S	X		10/25	11:20	11	X	X	X	X	X	X	X	X	X			
7.	FB-10252024.	DIW.			10/25		2	X											
8.																			
9.																			
10.																			

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

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☒ COOLER TEMP: 3.1°C
1. Yvonda Pujara	10/25/24-3:11	1. [Signature]	Comments:
RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:	
2. [Signature]		2. [Signature]	
RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:	
3. [Signature]	10.25.2024	3. [Signature]	

Page ____ of ____

CLIENT: ☐ Hand Delivered ☐ Other
CHEMTECH: ☐ Picked Up ☐ Field Sampling

Shipment Complete
☐ YES ☐ NO



284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : P4578	PORT06	Order Date : 10/25/2024 3:58:00 PM	Project Mgr :
Client Name : Portal Partners Tri-Venture		Project Name : Amtrak Sawtooth Bridges 2	Report Type : NJ Reduced
Client Contact : Joseph Krupansky		Receive DateTime : 10/25/2024 4:04:00 PM	EDD Type : EXCEL NJCLEANUP
Invoice Name : Portal Partners Tri-Venture		Purchase Order :	Hard Copy Date :
Invoice Contact : Joseph Krupansky			Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
P4578-01	WB-305-SW	Water	10/25/2024	08:20	VOC-TCLVOA-10		8260-Low	10 Bus. Days	
P4578-02	WB-305-SW-1	Water	10/25/2024	08:30	VOC-TCLVOA-10		8260-Low	10 Bus. Days	
P4578-03	WB-305-TOP	Solid	10/25/2024	09:20	VOC-TCLVOA-10		8260D	10 Bus. Days	
P4578-04	WB-305-TOP-1	Solid	10/25/2024	09:30	VOC-TCLVOA-10		8260D	10 Bus. Days	
P4578-05	WB-305-BOT	Solid	10/25/2024	11:15	VOC-TCLVOA-10		8260D	10 Bus. Days	
P4578-07	WB-305-BOT-1	Solid	10/25/2024	11:20	VOC-TCLVOA-10		8260D	10 Bus. Days	
P4578-09	TB-10252024	Water	10/25/2024	00:00	VOC-TCLVOA-10		8260-Low	10 Bus. Days	

LOGIN REPORT/SAMPLE TRANSFER

Order ID : P4578	PORT06	Order Date : 10/25/2024 3:58:00 PM	Project Mgr :
Client Name : Portal Partners Tri-Venture		Project Name : Amtrak Sawtooth Bridges 2	Report Type : NJ Reduced
Client Contact : Joseph Krupansky		Receive DateTime : 10/25/2024 4:04:00 PM	EDD Type : EXCEL NJCLEANUP
Invoice Name : Portal Partners Tri-Venture		Purchase Order :	Hard Copy Date :
Invoice Contact : Joseph Krupansky			Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
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* J.C samples are in sm Refrigerator *

Relinquished By :

J.C.

Date / Time :

10-25-2024 1710

Received By :

Date / Time :

Sam
10/25/2024 1710
Sam

Rg 6
122
Rg 45

Storage Area : VOA Refridgerator Room