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

Hit Summary Sheet
SW-846

SDG No.: **Order ID:**

Client: **Project ID:**

Sample ID	Client ID	Parameter	Concentration	C	MDL	RDL	Units

Client ID :

Total Concentration:

SAMPLE DATA

Raw Data: **PS027835.D**

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Report of Analysis

Client:	Roman E&G Corp	Date Collected:	10/01/24
Project:	Perth Amboy	Date Received:	10/01/24
Client Sample ID:	Chamberlain Ave	SDG No.:	P4258
Lab Sample ID:	P4258-04	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
PS027835.D	1	10/03/24 12:00	10/04/24 01:22	PB163890

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	234		39 - 175	47%	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

Raw Data: **PS027840.D**

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Report of Analysis

Client:	Roman E&G Corp	Date Collected:	
Project:	Perth Amboy	Date Received:	10/03/24
Client Sample ID:	PB163851TB	SDG No.:	P4258
Lab Sample ID:	PB163851TB	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
PS027840.D	1	10/03/24 12:00	10/04/24 03:22	PB163890

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	397		39 - 175	79%	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

QC SUMMARY

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Surrogate Summary

SDG No.: P4258

Client: Roman E&G Corp

Analytical Method: 8151A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits Low	Limits High
I.BLK-PS027652.D	PIBLK-PS027652.D	2,4-DCAA	1	500	496	99		39	175
		2,4-DCAA	2	500	524	105		39	175
I.BLK-PS027827.D	PIBLK-PS027827.D	2,4-DCAA	1	500	533	107		39	175
		2,4-DCAA	2	500	542	108		39	175
P4258-04	Chamberlain Ave	2,4-DCAA	1	500	234	47		39	175
		2,4-DCAA	2	500	211	42		39	175
P4258-04MS	Chamberlain AveMS	2,4-DCAA	1	500	246	49		39	175
		2,4-DCAA	2	500	205	41		39	175
P4258-04MSD	Chamberlain AveMSD	2,4-DCAA	1	500	279	56		39	175
		2,4-DCAA	2	500	201	40		39	175
PB163890BL	PB163890BL	2,4-DCAA	1	500	520	104		39	175
		2,4-DCAA	2	500	526	105		39	175
PB163890BS	PB163890BS	2,4-DCAA	1	500	545	109		39	175
		2,4-DCAA	2	500	554	111		39	175
PB163851TB	PB163851TB	2,4-DCAA	1	500	397	79		39	175
		2,4-DCAA	2	500	343	69		39	175
I.BLK-PS027841.D	PIBLK-PS027841.D	2,4-DCAA	1	500	541	108		39	175
		2,4-DCAA	2	500	552	110		39	175

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4258

Client: Roman E&G Corp

Analytical Method: 8151A **DataFile :** PS027836.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Client Sample ID:	**Chamberlain AveMS**											
P4258-04MS	2,4-D	50	0	59.2	ug/L	118				65	135	
	2,4,5-TP(Silvex)	50	0	64.6	ug/L	129				62	139	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4258

Client: Roman E&G Corp

Analytical Method: 8151A **DataFile :** PS027837.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Client Sample ID:	**Chamberlain AveMSD**											
P4258-04MSD	2,4-D	50	0	59.4	ug/L	119		1		65	135	20
	2,4,5-TP(Silvex)	50	0	74.4	ug/L	149	*	14		62	139	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4258

Client: Roman E&G Corp

Analytical Method: 8151A **Datafile :** PS027839.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB163890BS	2,4-D	5	5.90	ug/L	118				83	130	
	2,4,5-TP(Silvex)	5	5.20	ug/L	104				78	127	

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4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB163890BL

Lab Name: CHEMTECH Contract: ROMA02

Lab Code: CHEM Case No.: P4258 SAS No.: P4258 SDG NO.: P4258

Lab Sample ID: PB163890BL Lab File ID: PS027838.D

Matrix: (soil/water) water Extraction: (Type)

Sulfur Cleanup: (Y/N) N Date Extracted: 10/03/2024

Date Analyzed (1): 10/04/2024 Date Analyzed (2): 10/04/2024

Time Analyzed (1): 02:34 Time Analyzed (2): 02:34

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
Chamberlain Ave	P4258-04	PS027835.D	10/04/2024	10/04/2024
Chamberlain AveMS	P4258-04MS	PS027836.D	10/04/2024	10/04/2024
Chamberlain AveMSD	P4258-04MSD	PS027837.D	10/04/2024	10/04/2024
PB163890BS	PB163890BS	PS027839.D	10/04/2024	10/04/2024
PB163851TB	PB163851TB	PS027840.D	10/04/2024	10/04/2024

COMMENTS:

QC SAMPLE DATA

Raw Data: **PS027838.D**

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Roman E&G Corp	Date Collected:	
Project:	Perth Amboy	Date Received:	
Client Sample ID:	PB163890BL	SDG No.:	P4258
Lab Sample ID:	PB163890BL	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
PS027838.D	1	10/03/24 12:00	10/04/24 02:34	PB163890

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	526		39 - 175	105%	SPK: 500

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Roman E&G Corp	Date Collected:	09/12/24
Project:	Perth Amboy	Date Received:	09/12/24
Client Sample ID:	PIBLK-PS027652.D	SDG No.:	P4258
Lab Sample ID:	I.BLK-PS027652.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
PS027652.D	1		09/12/24	ps091224

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	524		39 - 175	105%	SPK: 500

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Roman E&G Corp	Date Collected:	10/03/24
Project:	Perth Amboy	Date Received:	10/03/24
Client Sample ID:	PIBLK-PS027827.D	SDG No.:	P4258
Lab Sample ID:	I.BLK-PS027827.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
PS027827.D	1		10/03/24	PS100324

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	542		39 - 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

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Report of Analysis

Client:	Roman E&G Corp	Date Collected:	10/04/24
Project:	Perth Amboy	Date Received:	10/04/24
Client Sample ID:	PIBLK-PS027841.D	SDG No.:	P4258
Lab Sample ID:	I.BLK-PS027841.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
PS027841.D	1		10/04/24	PS100324

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	552		39 - 175	110%	SPK: 500

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Raw Data: **PS027839.D**

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Report of Analysis

Client:	Roman E&G Corp	Date Collected:	
Project:	Perth Amboy	Date Received:	
Client Sample ID:	PB163890BS	SDG No.:	P4258
Lab Sample ID:	PB163890BS	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
PS027839.D	1	10/03/24 12:00	10/04/24 02:58	PB163890

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	5.90		0.49	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	5.20		0.45	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	554		39 - 175	111%	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

Raw Data: **PS027836.D**

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Roman E&G Corp	Date Collected:	10/01/24
Project:	Perth Amboy	Date Received:	10/01/24
Client Sample ID:	Chamberlain AveMS	SDG No.:	P4258
Lab Sample ID:	P4258-04MS	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
PS027836.D	1	10/03/24 12:00	10/04/24 01:46	PB163890

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	59.2		4.90	20.0	ug/L
93-72-1	2,4,5-TP (Silvex)	64.6	P	4.50	20.0	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	246		39 - 175	49%	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

Raw Data: **PS027837.D**

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Roman E&G Corp	Date Collected:	10/01/24
Project:	Perth Amboy	Date Received:	10/01/24
Client Sample ID:	Chamberlain AveMSD	SDG No.:	P4258
Lab Sample ID:	P4258-04MSD	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
PS027837.D	1	10/03/24 12:00	10/04/24 02:10	PB163890

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	59.4		4.90	20.0	ug/L
93-72-1	2,4,5-TP (Silvex)	74.4	P	4.50	20.0	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	279		39 - 175	56%	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

CALIBRATION SUMMARY

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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RETENTION TIMES OF INITIAL CALIBRATION

Contract: ROMA02

Lab Code: CHEM **Case No.:** P4258 **SAS No.:** P4258 **SDG NO.:** P4258

Instrument ID: ECD_S **Calibration Date(s):** 09/12/2024 09/12/2024

Calibration Times: 21:24 22:59

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

LAB FILE ID: RT 200 = PS027653.D RT 500 = PS027654.D

RT 750 = PS027655.D RT 1000 = PS027656.D RT 1500 = PS027657.D

COMPOUND	RT 200	RT 500	RT 750	RT 1000	RT 1500	MEAN RT	RT WINDOW FROM	RT WINDOW TO
2,4,5-TP(Silvex)	9.06	9.06	9.06	9.06	9.06	9.06	8.96	9.16
2,4-D	8.20	8.20	8.20	8.20	8.20	8.20	8.10	8.30
2,4-DCAA	7.11	7.11	7.11	7.11	7.11	7.11	7.01	7.21

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RETENTION TIMES OF INITIAL CALIBRATION

Contract: ROMA02

Lab Code: CHEM **Case No.:** P4258 **SAS No.:** P4258 **SDG NO.:** P4258

Instrument ID: ECD_S **Calibration Date(s):** 09/12/2024 09/12/2024

Calibration Times: 21:24 22:59

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

LAB FILE ID: RT 200 = PS027653.D RT 500 = PS027654.D

RT 750 = PS027655.D RT 1000 = PS027656.D RT 1500 = PS027657.D

COMPOUND	RT 200	RT 500	RT 750	RT 1000	RT 1500	MEAN RT	RT WINDOW FROM	RT WINDOW TO
2,4,5-TP(Silvex)	9.75	9.76	9.76	9.76	9.76	9.75	9.65	9.85
2,4-D	8.86	8.86	8.86	8.86	8.86	8.86	8.76	8.96
2,4-DCAA	7.63	7.63	7.63	7.63	7.63	7.63	7.53	7.73

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: ROMA02

Lab Code: CHEM **Case No.:** P4258 **SAS No.:** P4258 **SDG NO.:** P4258

Instrument ID: ECD_S **Calibration Date(s):** 09/12/2024 09/12/2024

Calibration Times: 21:24 22:59

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

LAB FILE ID: **CF 200 =** PS027653.D **CF 500 =** PS027654.D

CF 750 = PS027655.D **CF 1000 =** PS027656.D **CF 1500 =** PS027657.D

COMPOUND	CF 200	CF 500	CF 750	CF 1000	CF 1500	CF	% RSD
2,4,5-TP(Silvex)	16480400000	15003800000	14421200000	14173600000	13096000000	14635000000	8
2,4-D	3492740000	3113810000	2979600000	2958000000	2782030000	3065240000	9
2,4-DCAA	2882370000	2518620000	2408720000	2392240000	2215400000	2483470000	10

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Fax : 908 789 8922

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: ROMA02

Lab Code: CHEM **Case No.:** P4258 **SAS No.:** P4258 **SDG NO.:** P4258

Instrument ID: ECD_S **Calibration Date(s):** 09/12/2024 09/12/2024

Calibration Times: 21:24 22:59

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

LAB FILE ID: **CF 200 =** PS027653.D **CF 500 =** PS027654.D

CF 750 = PS027655.D **CF 1000 =** PS027656.D **CF 1500 =** PS027657.D

COMPOUND	CF 200	CF 500	CF 750	CF 1000	CF 1500	CF	% RSD
2,4,5-TP(Silvex)	5828170000	5909010000	6118970000	6127280000	5996050000	5995900000	2
2,4-D	1161930000	1098640000	1103250000	1118490000	1092760000	1115020000	3
2,4-DCAA	1082400000	978389000	981157000	972356000	940861000	991033000	5

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CALIBRATION VERIFICATION SUMMARY

Contract: ROMA02

Lab Code: CHEM **Case No.:** P4258 **SAS No.:** P4258 **SDG NO.:** P4258

Continuing Calib Date: 10/03/2024 **Initial Calibration Date(s):** 09/12/2024 09/12/2024

Continuing Calib Time: 21:23 **Initial Calibration Time(s):** 21:24 22:59

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
2,4-DCAA	7.10	7.11	7.01	7.21	0.01
2,4-D	8.19	8.20	8.10	8.30	0.01
2,4,5-TP(Silvex)	9.04	9.06	8.96	9.16	0.02

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CALIBRATION VERIFICATION SUMMARY

Contract: ROMA02

Lab Code: CHEM **Case No.:** P4258 **SAS No.:** P4258 **SDG NO.:** P4258

Continuing Calib Date: 10/03/2024 **Initial Calibration Date(s):** 09/12/2024 09/12/2024

Continuing Calib Time: 21:23 **Initial Calibration Time(s):** 21:24 22:59

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
2,4-DCAA	7.62	7.63	7.53	7.73	0.01
2,4-D	8.85	8.86	8.76	8.96	0.01
2,4,5-TP(Silvex)	9.74	9.76	9.66	9.86	0.02

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CALIBRATION VERIFICATION SUMMARY

Contract: ROMA02

Lab Code: CHEM **Case No.:** P4258 **SAS No.:** P4258 **SDG NO.:** P4258

GC Column: RTX-CLP **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 09/12/2024 09/12/2024

Client Sample No.: CCAL01 **Date Analyzed:** 10/03/2024

Lab Sample No.: HSTDCCC750 **Data File :** PS027828.D **Time Analyzed:** 21:23

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-TP(Silvex)	9.039	8.956	9.156	740.020	712.500	3.9
2,4-D	8.186	8.101	8.301	712.760	705.000	1.1
2,4-DCAA	7.099	7.012	7.212	748.300	750.000	-0.2

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CALIBRATION VERIFICATION SUMMARY

Contract: ROMA02

Lab Code: CHEM **Case No.:** P4258 **SAS No.:** P4258 **SDG NO.:** P4258

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 09/12/2024 09/12/2024

Client Sample No.: CCAL01 **Date Analyzed:** 10/03/2024

Lab Sample No.: HSTDCCC750 **Data File :** PS027828.D **Time Analyzed:** 21:23

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-TP(Silvex)	9.737	9.655	9.855	729.370	712.500	2.4
2,4-D	8.848	8.761	8.961	714.120	705.000	1.3
2,4-DCAA	7.622	7.533	7.733	754.600	750.000	0.6

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CALIBRATION VERIFICATION SUMMARY

Contract: ROMA02

Lab Code: CHEM **Case No.:** P4258 **SAS No.:** P4258 **SDG NO.:** P4258

Continuing Calib Date: 10/04/2024 **Initial Calibration Date(s):** 09/12/2024 09/12/2024

Continuing Calib Time: 04:09 **Initial Calibration Time(s):** 21:24 22:59

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
2,4-DCAA	7.10	7.11	7.01	7.21	0.01
2,4-D	8.19	8.20	8.10	8.30	0.01
2,4,5-TP(Silvex)	9.04	9.06	8.96	9.16	0.02

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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: ROMA02

Lab Code: CHEM **Case No.:** P4258 **SAS No.:** P4258 **SDG NO.:** P4258

Continuing Calib Date: 10/04/2024 **Initial Calibration Date(s):** 09/12/2024 09/12/2024

Continuing Calib Time: 04:09 **Initial Calibration Time(s):** 21:24 22:59

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
2,4-DCAA	7.62	7.63	7.53	7.73	0.01
2,4-D	8.85	8.86	8.76	8.96	0.01
2,4,5-TP(Silvex)	9.74	9.76	9.66	9.86	0.02

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CALIBRATION VERIFICATION SUMMARY

Contract: ROMA02

Lab Code: CHEM **Case No.:** P4258 **SAS No.:** P4258 **SDG NO.:** P4258

GC Column: RTX-CLP **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 09/12/2024 09/12/2024

Client Sample No.: CCAL02 **Date Analyzed:** 10/04/2024

Lab Sample No.: HSTDCCC750 **Data File :** PS027842.D **Time Analyzed:** 04:09

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-TP(Silvex)	9.037	8.956	9.156	726.660	712.500	2.0
2,4-D	8.185	8.101	8.301	694.740	705.000	-1.5
2,4-DCAA	7.098	7.012	7.212	754.310	750.000	0.6

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CALIBRATION VERIFICATION SUMMARY

Contract: ROMA02

Lab Code: CHEM **Case No.:** P4258 **SAS No.:** P4258 **SDG NO.:** P4258

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 09/12/2024 09/12/2024

Client Sample No.: CCAL02 **Date Analyzed:** 10/04/2024

Lab Sample No.: HSTDCCC750 **Data File :** PS027842.D **Time Analyzed:** 04:09

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-TP(Silvex)	9.736	9.655	9.855	745.500	712.500	4.6
2,4-D	8.847	8.761	8.961	718.340	705.000	1.9
2,4-DCAA	7.621	7.533	7.733	758.460	750.000	1.1

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Analytical Sequence

Client: Roman E&G Corp **SDG No.:** P4258

Project: Perth Amboy **Instrument ID:** ECD_S

GC Column: RTX-CLP **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 09/12/2024 09/12/2024

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 #
I.BLK	I.BLK	09/12/2024	21:00	PS027652.D	7.11	0.00
HSTDICC200	HSTDICC200	09/12/2024	21:24	PS027653.D	7.11	0.00
HSTDICC500	HSTDICC500	09/12/2024	21:48	PS027654.D	7.11	0.00
HSTDICC750	HSTDICC750	09/12/2024	22:12	PS027655.D	7.11	0.00
HSTDICC1000	HSTDICC1000	09/12/2024	22:35	PS027656.D	7.11	0.00
HSTDICC1500	HSTDICC1500	09/12/2024	22:59	PS027657.D	7.11	0.00
I.BLK	I.BLK	10/03/2024	20:59	PS027827.D	7.10	0.00
HSTDCCC750	HSTDCCC750	10/03/2024	21:23	PS027828.D	7.10	0.00
Chamberlain Ave	P4258-04	10/04/2024	01:22	PS027835.D	7.10	0.00
Chamberlain AveMS	P4258-04MS	10/04/2024	01:46	PS027836.D	7.10	0.00
Chamberlain AveMSD	P4258-04MSD	10/04/2024	02:10	PS027837.D	7.10	0.00
PB163890BL	PB163890BL	10/04/2024	02:34	PS027838.D	7.10	0.00
PB163890BS	PB163890BS	10/04/2024	02:58	PS027839.D	7.10	0.00
PB163851TB	PB163851TB	10/04/2024	03:22	PS027840.D	7.10	0.00
I.BLK	I.BLK	10/04/2024	03:45	PS027841.D	7.10	0.00
HSTDCCC750	HSTDCCC750	10/04/2024	04:09	PS027842.D	7.10	0.00

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Analytical Sequence

Client: Roman E&G Corp **SDG No.:** P4258

Project: Perth Amboy **Instrument ID:** ECD_S

GC Column: RTX-CLP2 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 09/12/2024 09/12/2024

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 #
I.BLK	I.BLK	09/12/2024	21:00	PS027652.D	7.63	0.00
HSTDICC200	HSTDICC200	09/12/2024	21:24	PS027653.D	7.63	0.00
HSTDICC500	HSTDICC500	09/12/2024	21:48	PS027654.D	7.63	0.00
HSTDICC750	HSTDICC750	09/12/2024	22:12	PS027655.D	7.63	0.00
HSTDICC1000	HSTDICC1000	09/12/2024	22:35	PS027656.D	7.63	0.00
HSTDICC1500	HSTDICC1500	09/12/2024	22:59	PS027657.D	7.63	0.00
I.BLK	I.BLK	10/03/2024	20:59	PS027827.D	7.62	0.00
HSTDCCC750	HSTDCCC750	10/03/2024	21:23	PS027828.D	7.62	0.00
Chamberlain Ave	P4258-04	10/04/2024	01:22	PS027835.D	7.62	0.00
Chamberlain AveMS	P4258-04MS	10/04/2024	01:46	PS027836.D	7.62	0.00
Chamberlain AveMSD	P4258-04MSD	10/04/2024	02:10	PS027837.D	7.62	0.00
PB163890BL	PB163890BL	10/04/2024	02:34	PS027838.D	7.62	0.00
PB163890BS	PB163890BS	10/04/2024	02:58	PS027839.D	7.62	0.00
PB163851TB	PB163851TB	10/04/2024	03:22	PS027840.D	7.62	0.00
I.BLK	I.BLK	10/04/2024	03:45	PS027841.D	7.62	0.00
HSTDCCC750	HSTDCCC750	10/04/2024	04:09	PS027842.D	7.62	0.00

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

Chamberlain AveMS

Contract: ROMA02

Lab Code: CHEM **Case No.:** P4258 **SAS No.:** P4258 **SDG NO.:** P4258

Lab Sample ID: P4258-04MS **Date(s) Analyzed:** 10/04/2024 10/04/2024

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 FROM	RT WINDOW TO	CONCENTRATION	%RPD
2,4-D	1	8.18	8.13	8.23	51.9	13.1
	2	8.85	8.80	8.90	59.2	
2,4,5-TP(Silvex)	1	9.04	8.99	9.09	49.0	27.5
	2	9.74	9.69	9.79	64.6	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

Chamberlain AveMSD

Contract: ROMA02

Lab Code: CHEM **Case No.:** P4258 **SAS No.:** P4258 **SDG NO.:** P4258

Lab Sample ID: P4258-04MSD **Date(s) Analyzed:** 10/04/2024 10/04/2024

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 FROM	RT WINDOW TO	CONCENTRATION	%RPD
2,4-D	1	8.19	8.14	8.24	53.3	10.8
	2	8.85	8.80	8.90	59.4	
2,4,5-TP(Silvex)	1	9.04	8.99	9.09	50.4	38.5
	2	9.74	9.69	9.79	74.4	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB163890BS

Contract: ROMA02

Lab Code: CHEM **Case No.:** P4258 **SAS No.:** P4258 **SDG NO.:** P4258

Lab Sample ID: PB163890BS **Date(s) Analyzed:** 10/04/2024 10/04/2024

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 FROM	RT WINDOW TO	CONCENTRATION	%RPD
2,4-D	1	8.19	8.14	8.24	5.30	10.7
	2	8.85	8.80	8.90	5.90	
2,4,5-TP(Silvex)	1	9.04	8.99	9.09	5.20	3.9
	2	9.74	9.69	9.79	5.00	

SAMPLE RAW DATA

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS100324\
Data File : PS027835.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Oct 2024 01:22
Operator : AR\AJ
Sample : P4258-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
Chamberlain Ave

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 10/04/2024
Supervised By :Ankita Jodhani 10/04/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 04 05:41:17 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS091224.M
Quant Title : 8080.M
QLast Update : Sat Sep 14 02:36:56 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	7.098	7.621	581.4E6	209.2E6	233.715	211.050m
	Target Compounds						
10) T	Pentachlo...	8.471	9.360	4545.6E6	1683.1E6	124.978	101.805

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS100324\
Data File : PS027835.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Oct 2024 01:22
Operator : AR\AJ
Sample : P4258-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

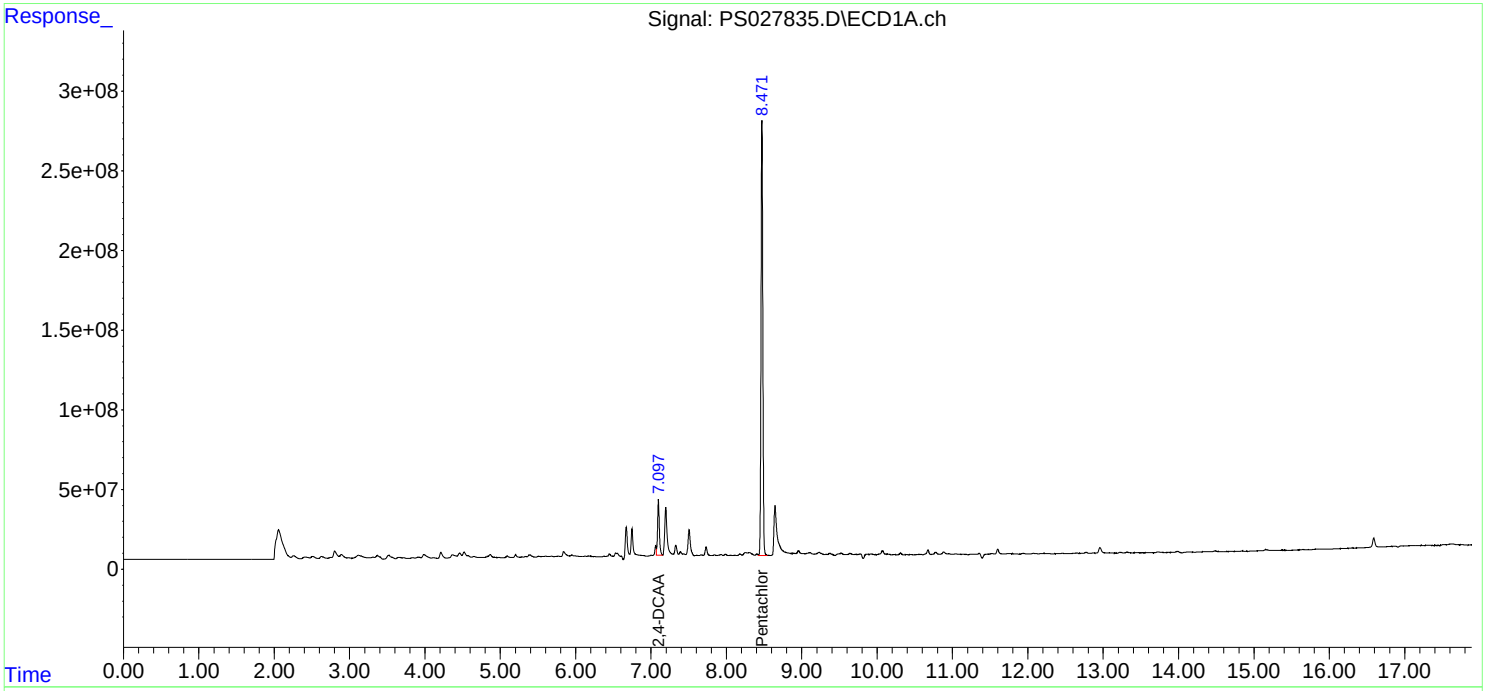
Instrument :
ECD_S
ClientSampleId :
Chamberlain Ave

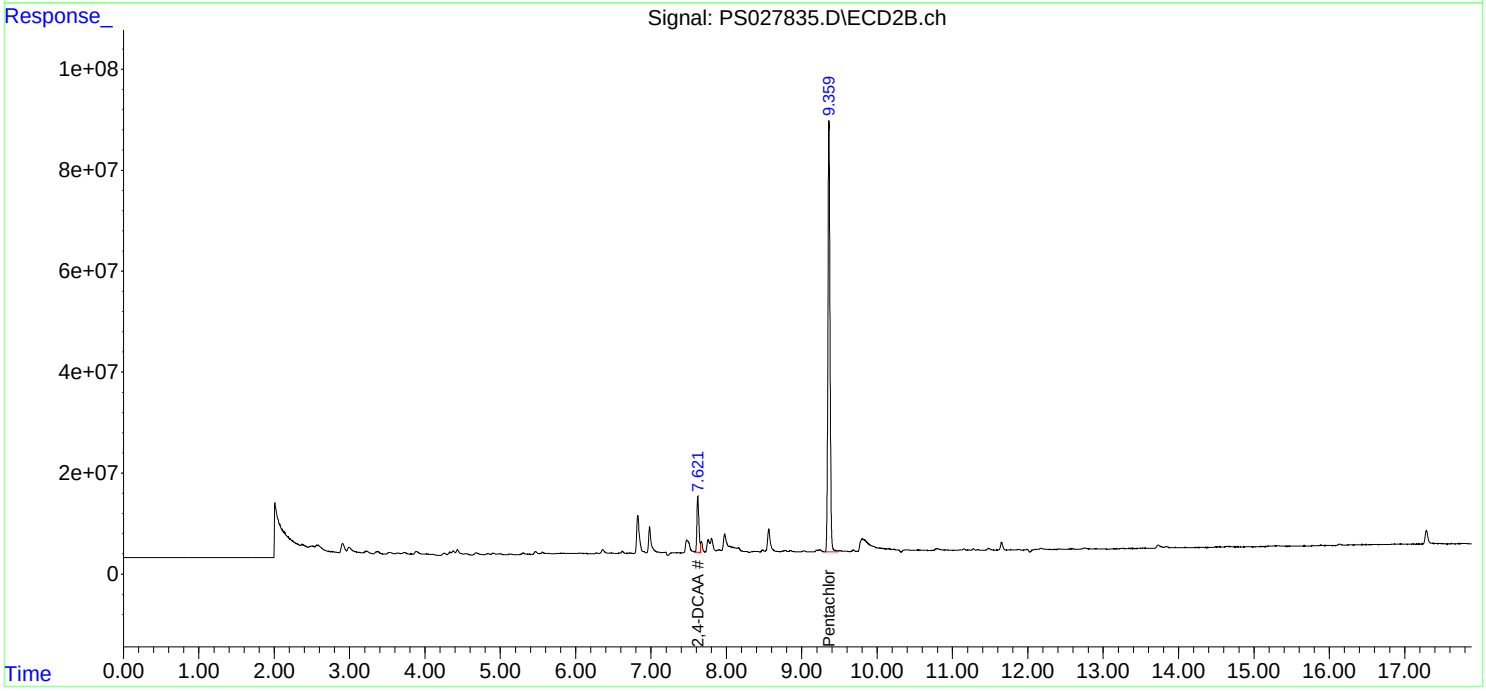
Manual Integrations APPROVED

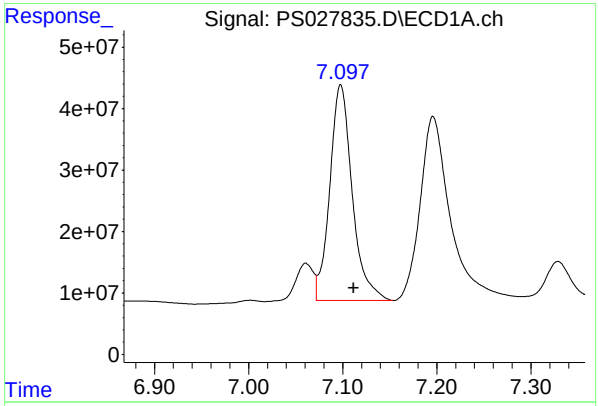
Reviewed By :Abdul Mirza 10/04/2024
Supervised By :Ankita Jodhani 10/04/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 04 05:41:17 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS091224.M
Quant Title : 8080.M
QLast Update : Sat Sep 14 02:36:56 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







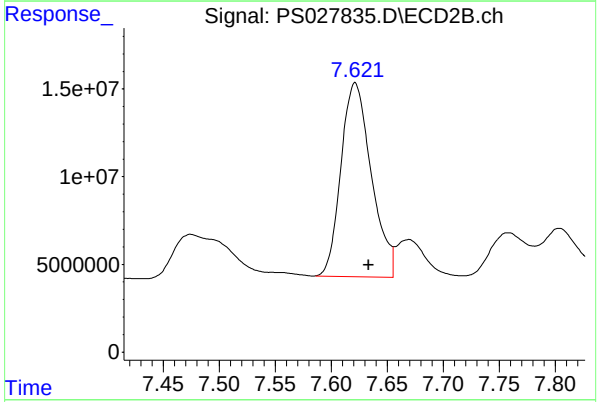
#4 2,4-DCAA

R.T.: 7.098 min
Delta R.T.: -0.014 min
Response: 581392090
Conc: 233.72 ng/ml

Instrument :
ECD_S
ClientSampleId :
Chamberlain Ave

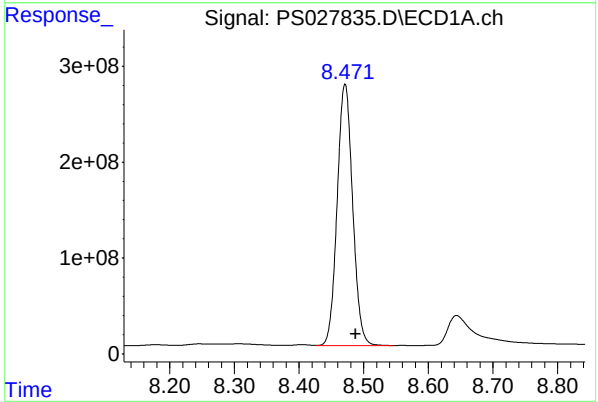
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 10/04/2024
Supervised By :Ankita Jodhani 10/04/2024



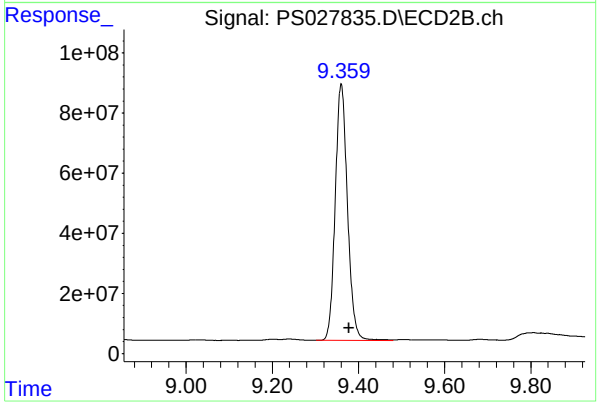
#4 2,4-DCAA

R.T.: 7.621 min
Delta R.T.: -0.012 min
Response: 209157794
Conc: 211.05 ng/ml m



#10 Pentachlorophenol

R.T.: 8.471 min
Delta R.T.: -0.016 min
Response: 4545583388
Conc: 124.98 ng/ml



#10 Pentachlorophenol

R.T.: 9.360 min
Delta R.T.: -0.018 min
Response: 1683082387
Conc: 101.81 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS100324\
Data File : PS027840.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Oct 2024 03:22
Operator : AR\AJ
Sample : PB163851TB
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
PB163851TB

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 10/04/2024
Supervised By :Ankita Jodhani 10/04/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 04 05:42:21 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS091224.M
Quant Title : 8080.M
QLast Update : Sat Sep 14 02:36:56 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	7.098	7.621	987.7E6	339.5E6	397.063m	342.607
	Target Compounds						

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS100324\
Data File : PS027840.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Oct 2024 03:22
Operator : AR\AJ
Sample : PB163851TB
Misc :
ALS Vial : 25 Sample Multiplier: 1

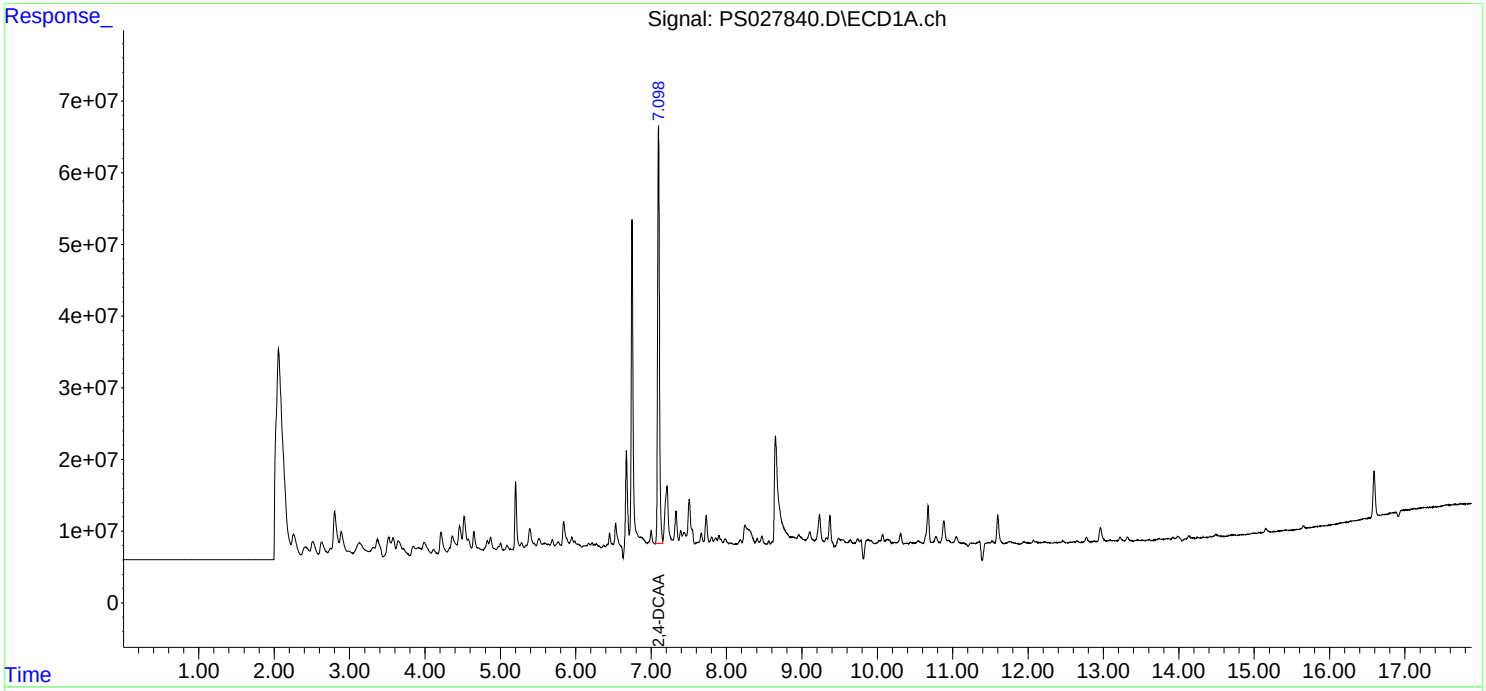
Instrument :
ECD_S
ClientSampleId :
PB163851TB

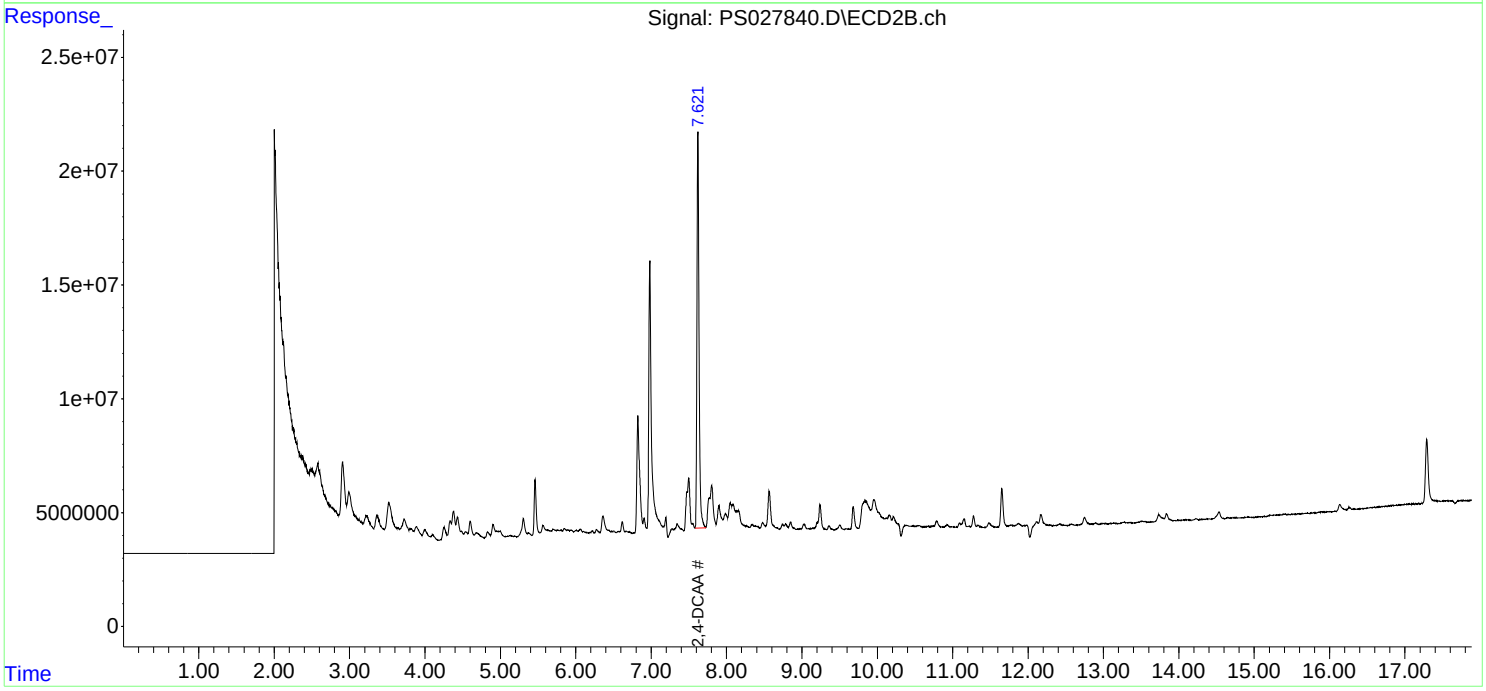
Manual Integrations APPROVED

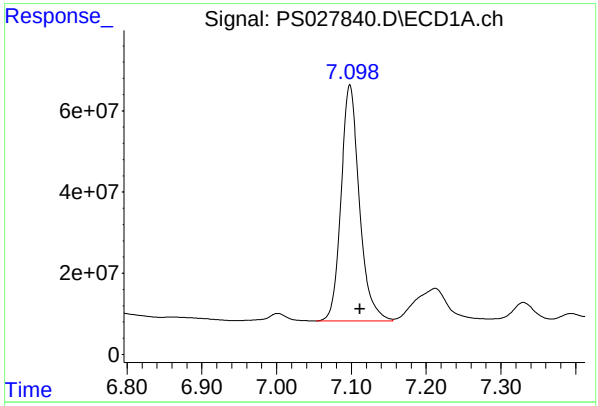
Reviewed By :Abdul Mirza 10/04/2024
Supervised By :Ankita Jodhani 10/04/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 04 05:42:21 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS091224.M
Quant Title : 8080.M
QLast Update : Sat Sep 14 02:36:56 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







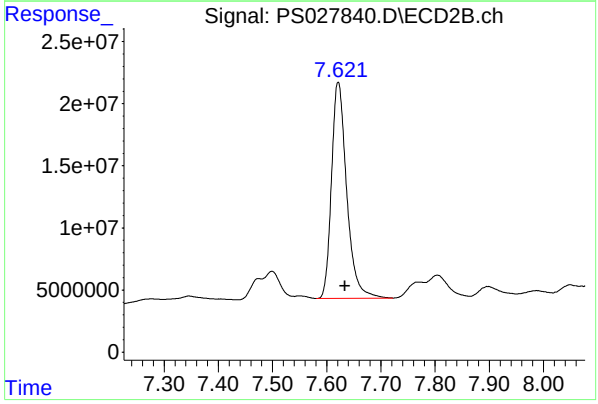
#4 2,4-DCAA

R.T.: 7.098 min
Delta R.T.: -0.014 min
Response: 987736466
Conc: 397.06 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB163851TB

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 10/04/2024
Supervised By :Ankita Jodhani 10/04/2024



#4 2,4-DCAA

R.T.: 7.621 min
Delta R.T.: -0.012 min
Response: 339535072
Conc: 342.61 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS100324\
Data File : PS027838.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Oct 2024 02:34
Operator : AR\AJ
Sample : PB163890BL
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
PB163890BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 04 05:41:56 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS091224.M
Quant Title : 8080.M
QLast Update : Sat Sep 14 02:36:56 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	7.098	7.622	1292.5E6	521.3E6	519.566	526.041
	Target Compounds						

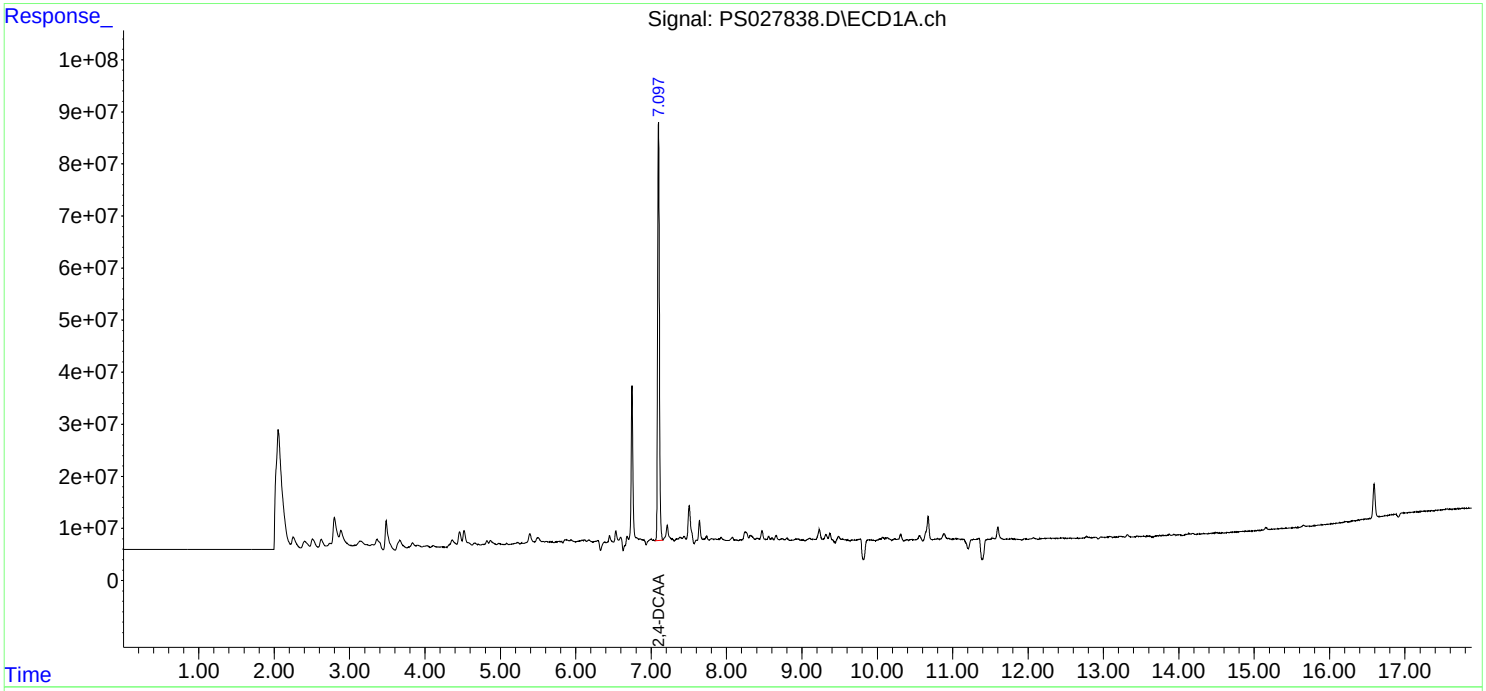
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

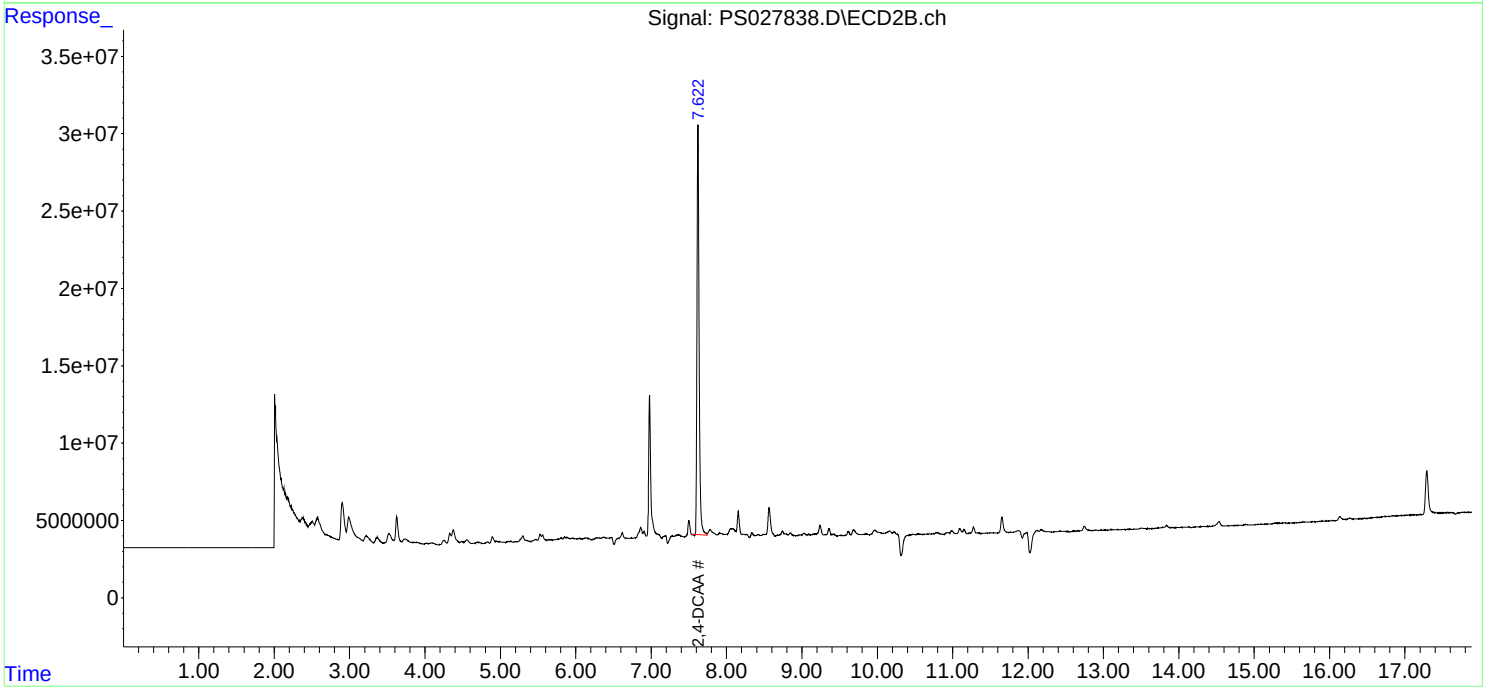
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS100324\
Data File : PS027838.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Oct 2024 02:34
Operator : AR\AJ
Sample : PB163890BL
Misc :
ALS Vial : 23 Sample Multiplier: 1

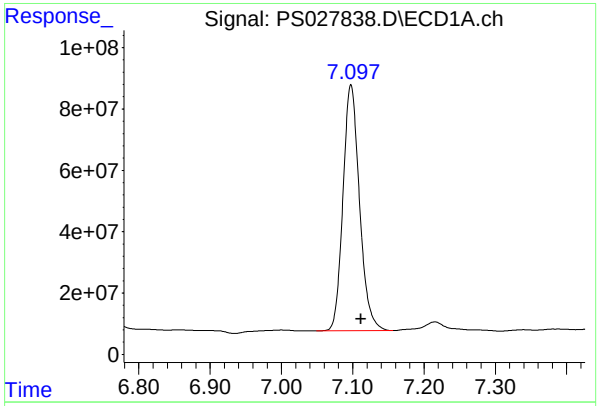
Instrument :
ECD_S
ClientSampleId :
PB163890BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 04 05:41:56 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS091224.M
Quant Title : 8080.M
QLast Update : Sat Sep 14 02:36:56 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



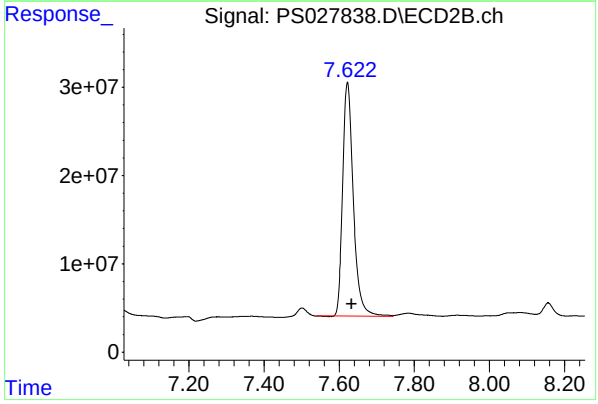




#4 2,4-DCAA

R.T.: 7.098 min
Delta R.T.: -0.014 min
Response: 1292475268
Conc: 519.57 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB163890BL



#4 2,4-DCAA

R.T.: 7.622 min
Delta R.T.: -0.011 min
Response: 521323811
Conc: 526.04 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS100324\
Data File : PS027839.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Oct 2024 02:58
Operator : AR\AJ
Sample : PB163890BS
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
PB163890BS

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 10/04/2024
Supervised By :Ankita Jodhani 10/04/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 04 07:13:32 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS091224.M
Quant Title : 8080.M
QLast Update : Sat Sep 14 02:36:56 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	7.098	7.622	1355.7E6	548.6E6	544.990	553.567m
	Target Compounds						
1) T	Dalapon	2.549	2.614	1354.6E6	613.0E6	326.964m	375.652m
2) T	3,5-DICHL...	6.289	6.593	1807.5E6	775.6E6	494.807	481.295
3) T	4-Nitroph...	6.893	7.157	719.1E6	292.6E6	424.743	408.203
5) T	DICAMBA	7.276	7.816	4897.3E6	2020.4E6	484.638m	458.517
6) T	MCPP	7.454	7.917	321.5E6	156.9E6	46.643m	47.786
7) T	MCPA	7.599	8.156	481.0E6	273.4E6	47.487	51.640
8) T	DICHLORPROP	7.962	8.522	1347.6E6	616.3E6	508.344	551.674
9) T	2,4-D	8.185	8.847	1623.3E6	661.7E6	529.583	593.481
10) T	Pentachlo...	8.471	9.360	19174.1E6	8323.6E6	527.179	503.474
11) T	2,4,5-TP ...	9.037	9.736	7625.1E6	3010.7E6	521.017	502.125m
12) T	2,4,5-T	9.323	10.151	7076.6E6	2516.5E6	472.784	481.464
13) T	2,4-DB	9.886	10.712	1056.4E6	284.5E6	454.888m	462.385m
14) T	DINOSEB	11.060	11.086	4323.2E6	1798.0E6	442.004	427.535m
15) T	Picloram	10.878	12.165	6833.8E6	1812.9E6	365.294	390.101
16) T	DCPA	11.359	12.118	8263.1E6	3572.3E6	497.856	554.265

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

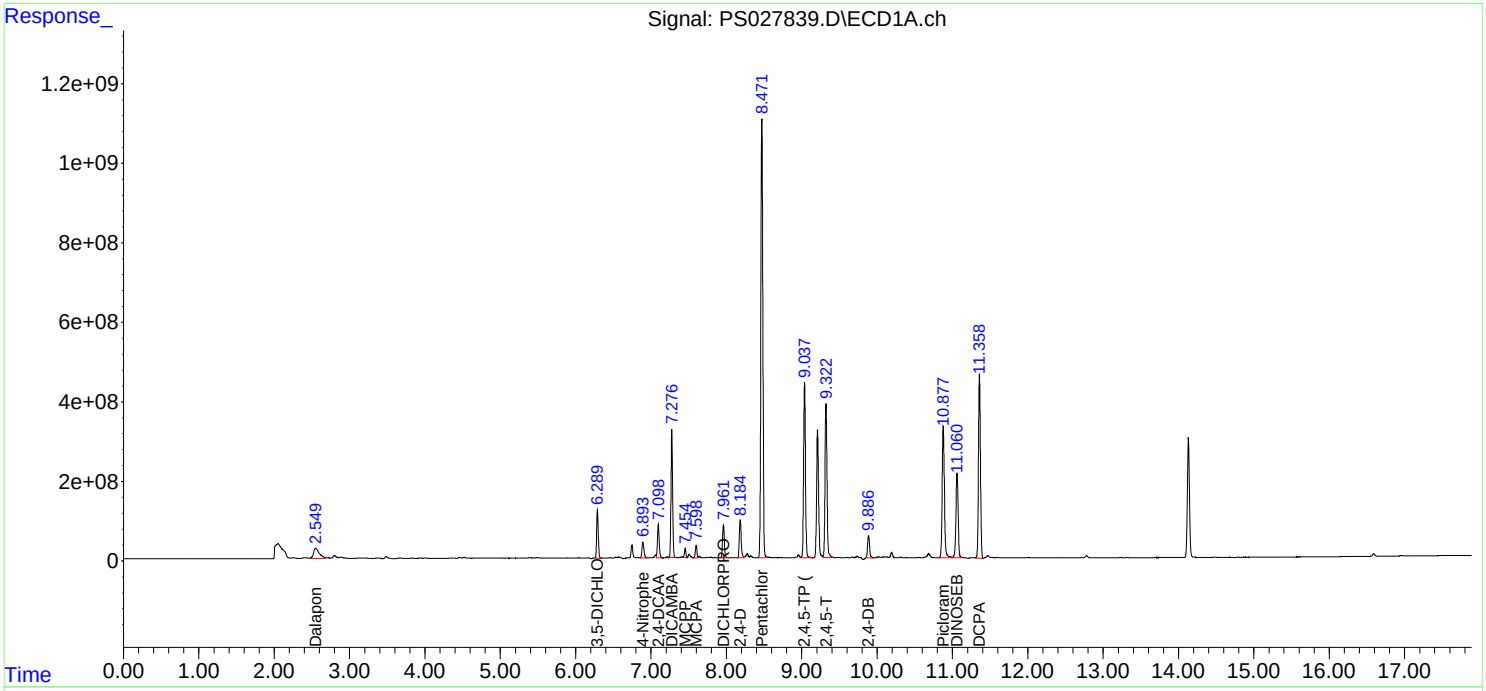
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS100324\
Data File : PS027839.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Oct 2024 02:58
Operator : AR\AJ
Sample : PB163890BS
Misc :
ALS Vial : 24 Sample Multiplier: 1

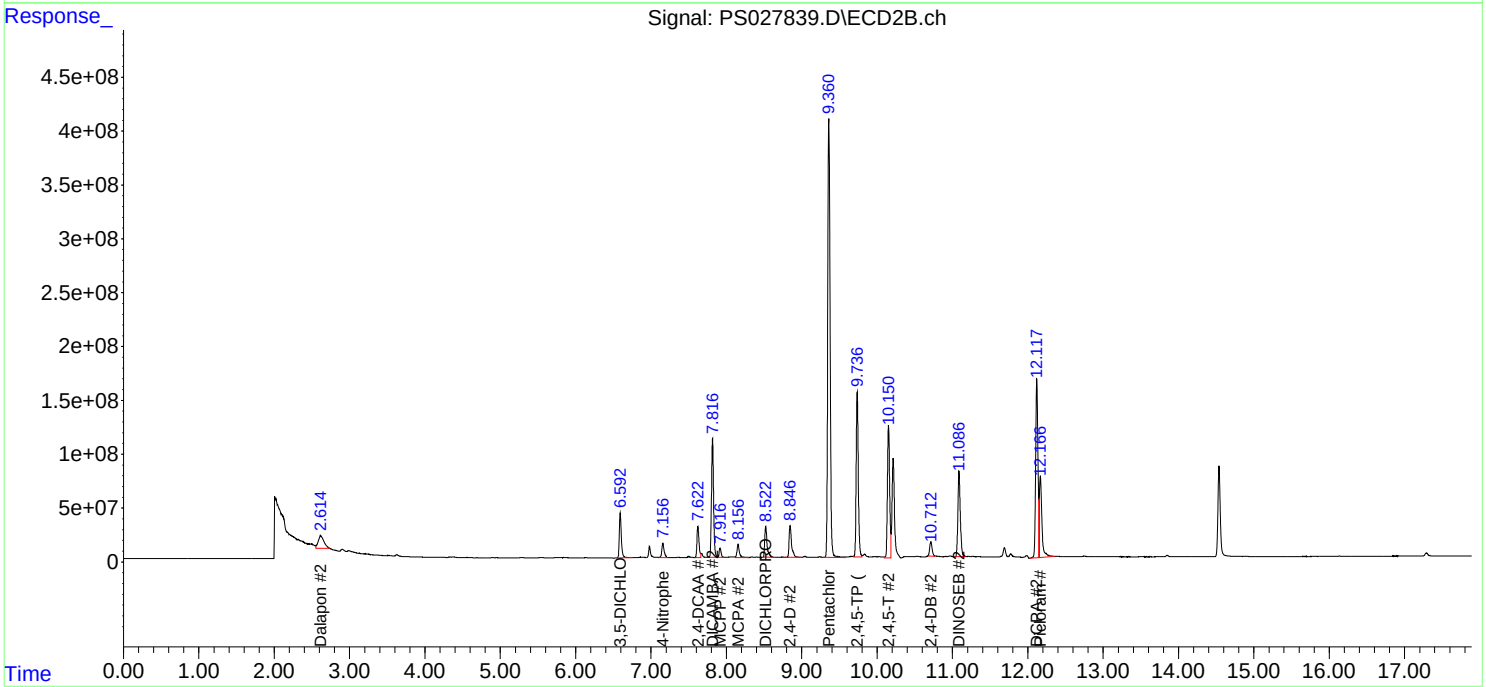
Instrument :
ECD_S
ClientSampleId :
PB163890BS

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 10/04/2024
Supervised By :Ankita Jodhani 10/04/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 04 07:13:32 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS091224.M
Quant Title : 8080.M
QLast Update : Sat Sep 14 02:36:56 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\PS100324\
Data File : PS027836.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Oct 2024 01:46
Operator : AR\AJ
Sample : P4258-04MS
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
Chamberlain AveMS

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 10/04/2024
Supervised By :Ankita Jodhani 10/04/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 04 07:12:23 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS091224.M
Quant Title : 8080.M
QLast Update : Sat Sep 14 02:36:56 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	7.098	7.622	611.4E6	202.8E6	245.772	204.664m
		Target Compounds						
1)	T	Dalapon	2.551	2.622	1459.8E6	538.7E6	352.351	330.138
2)	T	3,5-DICHL...	6.289	6.592	1352.6E6	569.8E6	370.290	353.629
5)	T	DICAMBA	7.276	7.816	4339.9E6	1883.5E6	429.473m	427.458
6)	T	MCPP	7.454	7.917	350.9E6	145.4E6	50.905m	44.305
7)	T	MCPA	7.598	8.156	441.4E6	229.7E6	43.570	43.392m
8)	T	DICHLORPROP	7.962	8.521	1240.2E6	569.6E6	467.838	509.819
9)	T	2,4-D	8.184	8.847	1591.8E6	659.9E6	519.316	591.808
10)	T	Pentachlo...	8.471	9.360	13051.0E6	5382.2E6	358.828	325.557
11)	T	2,4,5-TP ...	9.037	9.737	7177.6E6	3873.3E6	490.437	645.993 #
12)	T	2,4,5-T	9.322	10.151	7029.5E6	2600.4E6	469.640	497.509
13)	T	2,4-DB	9.885	10.712	1083.8E6	307.5E6	466.694	499.738
14)	T	DINOSEB	11.061	11.087	1594.0E6	641.0E6	162.972	152.411
15)	T	Picloram	10.877	12.165	7541.7E6	2216.5E6	403.135	476.949
16)	T	DCPA	11.359	12.119	8303.1E6	3262.3E6	500.268	506.172

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

Sample Results: **PS027836.D**

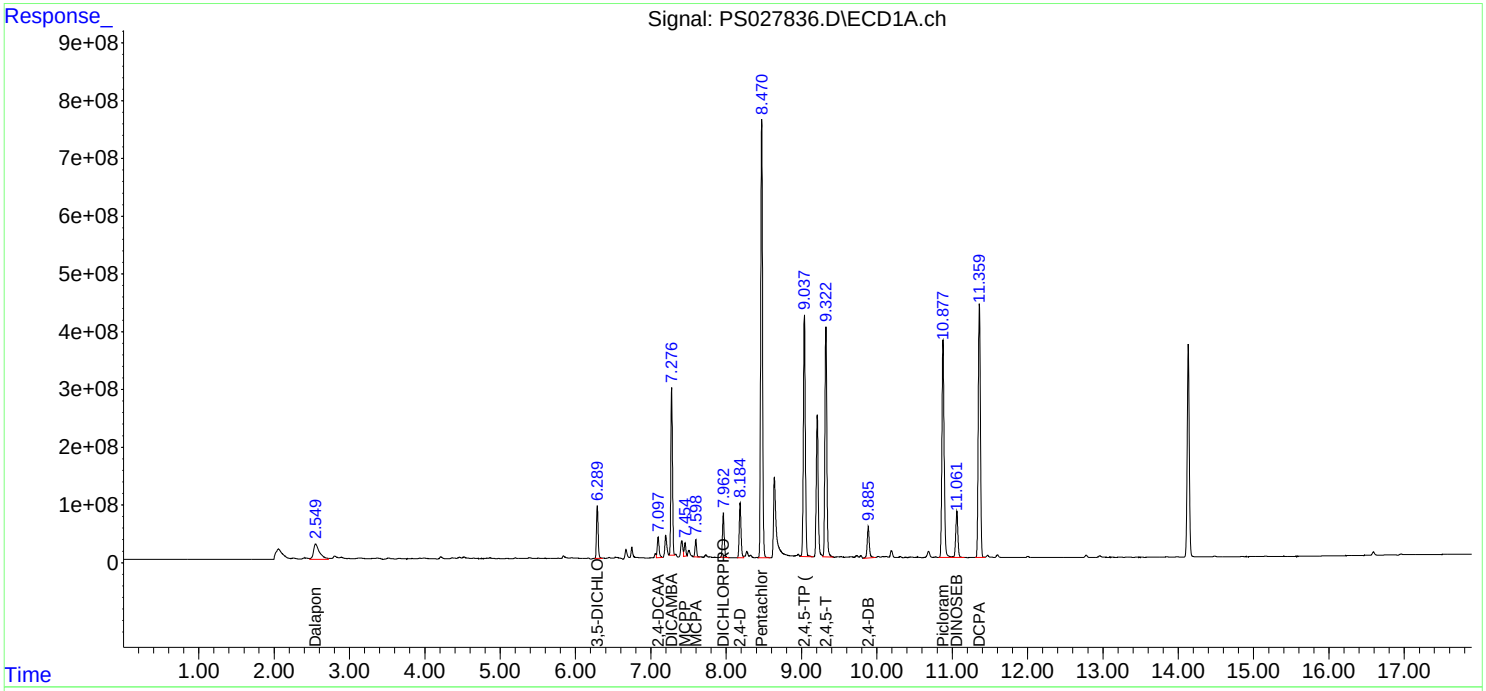
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS100324\
Data File : PS027836.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Oct 2024 01:46
Operator : AR\AJ
Sample : P4258-04MS
Misc :
ALS Vial : 21 Sample Multiplier: 1

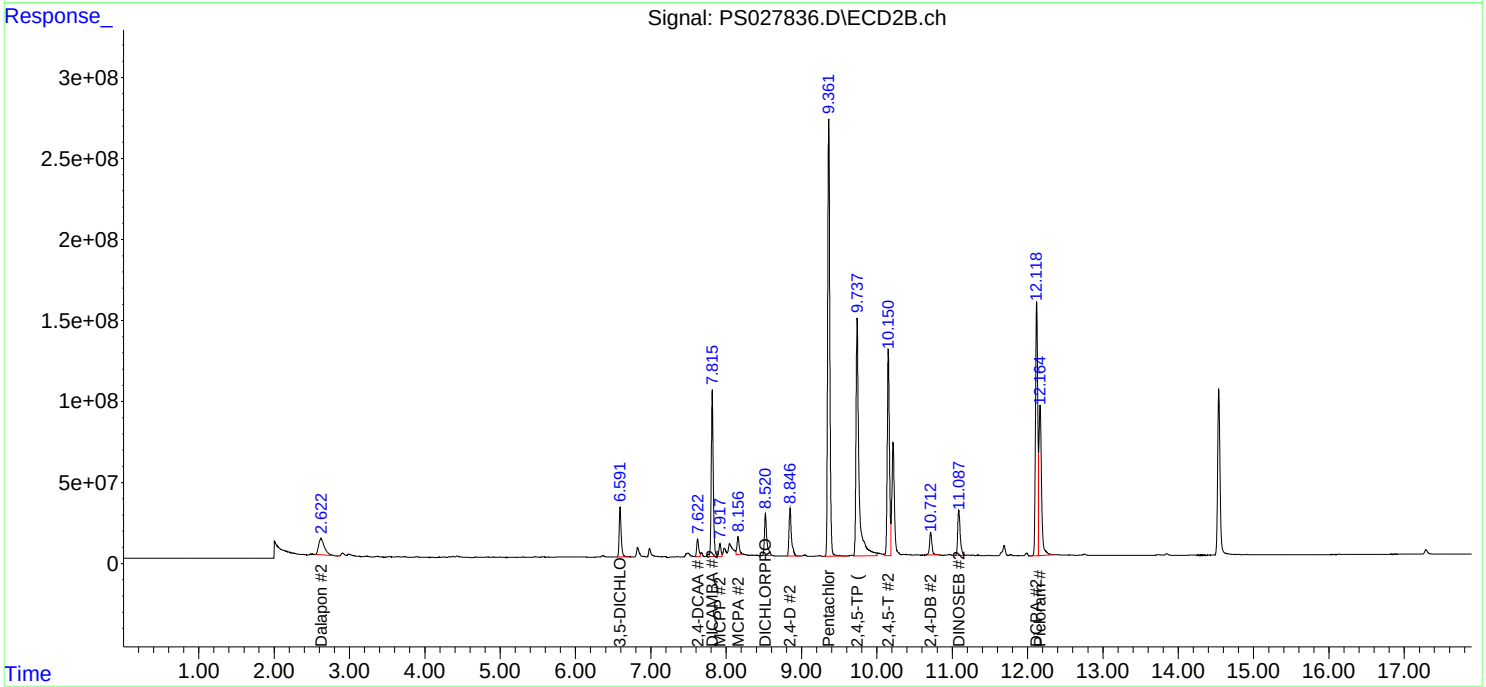
Instrument :
ECD_S
ClientSampleId :
Chamberlain AveMS

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 10/04/2024
Supervised By :Ankita Jodhani 10/04/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 04 07:12:23 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS091224.M
Quant Title : 8080.M
QLast Update : Sat Sep 14 02:36:56 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\PS100324\
Data File : PS027837.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Oct 2024 02:10
Operator : AR\AJ
Sample : P4258-04MSD
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
Chamberlain AveMSD

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 10/04/2024
Supervised By :Ankita Jodhani 10/04/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 04 07:12:58 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS091224.M
Quant Title : 8080.M
QLast Update : Sat Sep 14 02:36:56 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	7.098	7.622	694.5E6	199.6E6	279.193	201.425m#
		Target Compounds						
1)	T	Dalapon	2.548	2.619	1477.2E6	541.4E6	356.538	331.772
2)	T	3,5-DICHL...	6.289	6.593	1377.3E6	577.3E6	377.044	358.226
5)	T	DICAMBA	7.276	7.815	4409.9E6	1814.5E6	436.405m	411.796m
6)	T	MCPP	7.454	7.917	389.5E6	173.5E6	56.507m	52.852
7)	T	MCPA	7.599	8.155	457.1E6	263.7E6	45.125	49.811m
8)	T	DICHLORPROP	7.962	8.522	1270.9E6	555.5E6	479.424	497.216
9)	T	2,4-D	8.185	8.847	1635.2E6	662.8E6	533.478	594.448
10)	T	Pentachlo...	8.471	9.360	13312.7E6	5420.0E6	366.023	327.844
11)	T	2,4,5-TP ...	9.037	9.738	7368.7E6	4460.1E6	503.499	743.852 #
12)	T	2,4,5-T	9.322	10.151	7195.0E6	2653.3E6	480.698	507.630
13)	T	2,4-DB	9.886	10.712	1104.6E6	318.2E6	475.656	517.105
14)	T	DINOSEB	11.061	11.087	1654.8E6	657.2E6	169.184	156.265
15)	T	Picloram	10.878	12.165	7703.7E6	2234.3E6	411.792	480.773
16)	T	DCPA	11.360	12.119	8521.6E6	3439.0E6	513.428	533.577

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

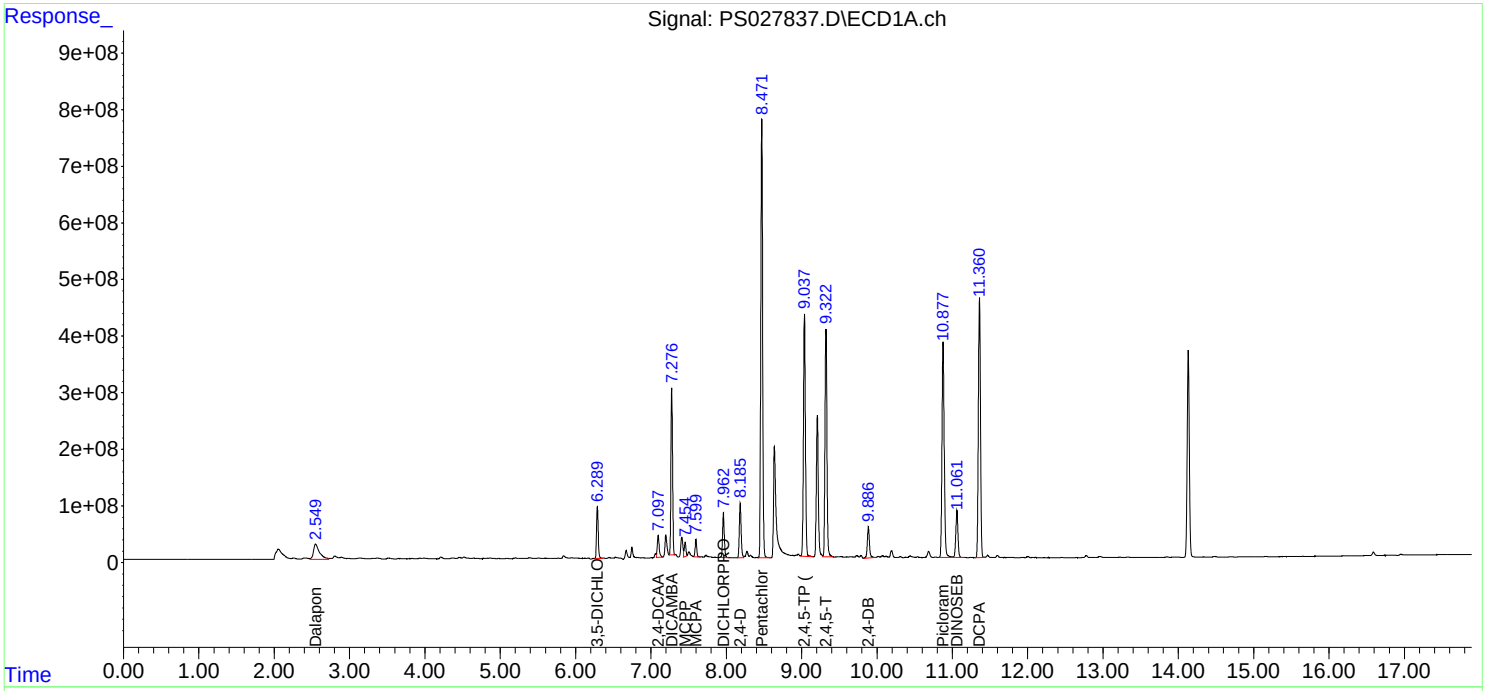
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS100324\
Data File : PS027837.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Oct 2024 02:10
Operator : AR\AJ
Sample : P4258-04MSD
Misc :
ALS Vial : 22 Sample Multiplier: 1

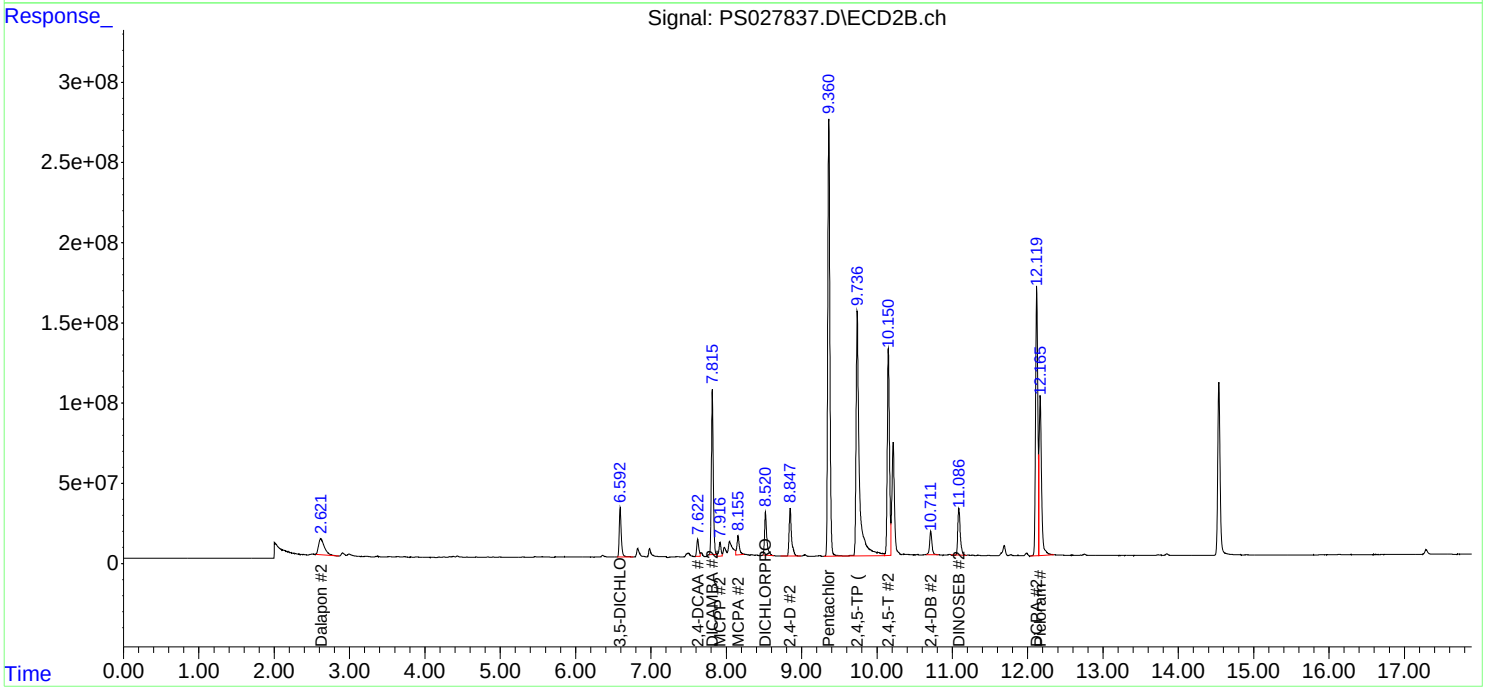
Instrument :
ECD_S
ClientSampleId :
Chamberlain AveMSD

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 10/04/2024
Supervised By :Ankita Jodhani 10/04/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 04 07:12:58 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS091224.M
Quant Title : 8080.M
QLast Update : Sat Sep 14 02:36:56 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

Manual Integration Report

Sequence:	ps091224	Instrument	ECD_s

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
HSTDICC200	PS027653.D	2,4-DCAA	Abdul	9/15/2024 7:48:08 PM	Ankita	9/16/2024 10:13:46	Peak Integrated by Software
HSTDICV750	PS027658.D	2,4-DCAA #2	Abdul	9/15/2024 7:48:12 PM	Ankita	9/16/2024 10:13:48	Peak Integrated by Software

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

Manual Integration Report

Sequence:	PS100324	Instrument	ECD_s

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
I.BLK	PS027815.D	2,4-DCAA #2	Abdul	10/4/2024 9:07:49 AM	Ankita	10/4/2024 9:33:40	Peak Integrated by Software
HSTDCCC750	PS027828.D	2,4-DCAA #2	Abdul	10/4/2024 9:08:36 AM	Ankita	10/4/2024 9:34:25	Peak Integrated by Software
HSTDCCC750	PS027828.D	DCPA #2	Abdul	10/4/2024 9:08:36 AM	Ankita	10/4/2024 9:34:25	Peak Integrated by Software
HSTDCCC750	PS027828.D	DICAMBA	Abdul	10/4/2024 9:08:36 AM	Ankita	10/4/2024 9:34:25	Peak Integrated by Software
HSTDCCC750	PS027828.D	MCPP	Abdul	10/4/2024 9:08:36 AM	Ankita	10/4/2024 9:34:25	Peak Integrated by Software
P4258-04	PS027835.D	2,4-DCAA #2	Abdul	10/4/2024 9:09:09 AM	Ankita	10/4/2024 9:34:48	Peak Integrated by Software
P4258-04MS	PS027836.D	2,4-DCAA #2	Abdul	10/4/2024 9:09:13 AM	Ankita	10/4/2024 9:34:49	Peak Integrated by Software
P4258-04MS	PS027836.D	DICAMBA	Abdul	10/4/2024 9:09:13 AM	Ankita	10/4/2024 9:34:49	Peak Integrated by Software
P4258-04MS	PS027836.D	MCPA #2	Abdul	10/4/2024 9:09:13 AM	Ankita	10/4/2024 9:34:49	Peak Integrated by Software
P4258-04MS	PS027836.D	MCPP	Abdul	10/4/2024 9:09:13 AM	Ankita	10/4/2024 9:34:49	Peak Integrated by Software
P4258-04MSD	PS027837.D	2,4-DCAA #2	Abdul	10/4/2024 9:09:18 AM	Ankita	10/4/2024 9:34:51	Peak Integrated by Software
P4258-04MSD	PS027837.D	DICAMBA	Abdul	10/4/2024 9:09:18 AM	Ankita	10/4/2024 9:34:51	Peak Integrated by Software
P4258-04MSD	PS027837.D	DICAMBA #2	Abdul	10/4/2024 9:09:18 AM	Ankita	10/4/2024 9:34:51	Peak Integrated by Software

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

Manual Integration Report

Sequence:	PS100324	Instrument	ECD_s

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
P4258-04MSD	PS027837.D	MCPA #2	Abdul	10/4/2024 9:09:18 AM	Ankita	10/4/2024 9:34:51	Peak Integrated by Software
P4258-04MSD	PS027837.D	MCPP	Abdul	10/4/2024 9:09:18 AM	Ankita	10/4/2024 9:34:51	Peak Integrated by Software
PB163890BS	PS027839.D	2,4,5-TP (SILVEX) #2	Abdul	10/4/2024 9:09:29 AM	Ankita	10/4/2024 9:34:53	Peak Integrated by Software
PB163890BS	PS027839.D	2,4-DB	Abdul	10/4/2024 9:09:29 AM	Ankita	10/4/2024 9:34:53	Peak Integrated by Software
PB163890BS	PS027839.D	2,4-DB #2	Abdul	10/4/2024 9:09:29 AM	Ankita	10/4/2024 9:34:53	Peak Integrated by Software
PB163890BS	PS027839.D	2,4-DCAA #2	Abdul	10/4/2024 9:09:29 AM	Ankita	10/4/2024 9:34:53	Peak Integrated by Software
PB163890BS	PS027839.D	Dalapon	Abdul	10/4/2024 9:09:29 AM	Ankita	10/4/2024 9:34:53	Peak Integrated by Software
PB163890BS	PS027839.D	Dalapon #2	Abdul	10/4/2024 9:09:29 AM	Ankita	10/4/2024 9:34:53	Peak Integrated by Software
PB163890BS	PS027839.D	DICAMBA	Abdul	10/4/2024 9:09:29 AM	Ankita	10/4/2024 9:34:53	Peak Integrated by Software
PB163890BS	PS027839.D	DINOSEB #2	Abdul	10/4/2024 9:09:29 AM	Ankita	10/4/2024 9:34:53	Peak Integrated by Software
PB163890BS	PS027839.D	MCPP	Abdul	10/4/2024 9:09:29 AM	Ankita	10/4/2024 9:34:53	Peak Integrated by Software
PB163851TB	PS027840.D	2,4-DCAA	Abdul	10/4/2024 9:09:33 AM	Ankita	10/4/2024 9:34:55	Peak Integrated by Software
I.BLK	PS027841.D	2,4-DCAA #2	Abdul	10/4/2024 9:09:37 AM	Ankita	10/4/2024 9:34:57	Peak Integrated by Software

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Manual Integration Report

Sequence:	PS100324	Instrument	ECD_s

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
HSTDCCC750	PS027842.D	2,4-DCAA #2	Abdul	10/4/2024 9:09:41 AM	Ankita	10/4/2024 9:34:59	Peak Integrated by Software
HSTDCCC750	PS027842.D	DCPA #2	Abdul	10/4/2024 9:09:41 AM	Ankita	10/4/2024 9:34:59	Peak Integrated by Software
HSTDCCC750	PS027842.D	DICAMBA	Abdul	10/4/2024 9:09:41 AM	Ankita	10/4/2024 9:34:59	Peak Integrated by Software
HSTDCCC750	PS027842.D	MCPP	Abdul	10/4/2024 9:09:41 AM	Ankita	10/4/2024 9:34:59	Peak Integrated by Software
HSTDCCC750	PS027842.D	Picloram #2	Abdul	10/4/2024 9:09:41 AM	Ankita	10/4/2024 9:34:59	Peak Integrated by Software

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Fax : 908 789 8922

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS091224

Review By	Abdul	Review On	9/15/2024 7:48:35 PM		
Supervise By	Ankita	Supervise On	9/16/2024 10:13:53 AM		
SubDirectory	PS091224	HP Acquire Method		HP Processing Method	ps091224 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	Data File Name	Date-Time	Operator	Status
1	HEXANE	PS027651.D	12 Sep 2024 20:36	AR\AJ	Ok
2	I.BLK	PS027652.D	12 Sep 2024 21:00	AR\AJ	Ok
3	HSTDICC200	PS027653.D	12 Sep 2024 21:24	AR\AJ	Ok,M
4	HSTDICC500	PS027654.D	12 Sep 2024 21:48	AR\AJ	Ok
5	HSTDICC750	PS027655.D	12 Sep 2024 22:12	AR\AJ	Ok
6	HSTDICC1000	PS027656.D	12 Sep 2024 22:35	AR\AJ	Ok
7	HSTDICC1500	PS027657.D	12 Sep 2024 22:59	AR\AJ	Ok
8	HSTDICV750	PS027658.D	12 Sep 2024 23:23	AR\AJ	Ok,M
9	I.BLK	PS027659.D	12 Sep 2024 23:47	AR\AJ	Ok
10	HSTDCCC750	PS027660.D	13 Sep 2024 00:11	AR\AJ	Ok
11	P3845-17	PS027661.D	13 Sep 2024 00:35	AR\AJ	Ok
12	I.BLK	PS027662.D	13 Sep 2024 00:59	AR\AJ	Ok
13	HSTDCCC750	PS027663.D	13 Sep 2024 01:22	AR\AJ	Ok

M : Manual Integration

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

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS100324

Review By	Abdul	Review On	10/4/2024 9:10:14 AM		
Supervise By	Ankita	Supervise On	10/4/2024 9:35:20 AM		
SubDirectory	PS100324	HP Acquire Method		HP Processing Method	ps091224 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	Data File Name	Date-Time	Operator	Status
1	HEXANE	PS027814.D	03 Oct 2024 11:13	AR\AJ	Ok
2	I.BLK	PS027815.D	03 Oct 2024 11:37	AR\AJ	Ok,M
3	HSTDCCC750	PS027816.D	03 Oct 2024 12:01	AR\AJ	Ok
4	PB163866BL	PS027817.D	03 Oct 2024 17:01	AR\AJ	Ok
5	PB163866BS	PS027818.D	03 Oct 2024 17:25	AR\AJ	Ok,M
6	P4222-01	PS027819.D	03 Oct 2024 17:48	AR\AJ	Ok,M
7	P4222-01MS	PS027820.D	03 Oct 2024 18:12	AR\AJ	Ok,M
8	P4222-01MSD	PS027821.D	03 Oct 2024 18:36	AR\AJ	Ok,M
9	P4232-01	PS027822.D	03 Oct 2024 19:00	AR\AJ	ReRun
10	P4236-01	PS027823.D	03 Oct 2024 19:24	AR\AJ	Ok,M
11	P4236-05	PS027824.D	03 Oct 2024 19:48	AR\AJ	Ok,M
12	P4236-09	PS027825.D	03 Oct 2024 20:12	AR\AJ	Ok,M
13	P4236-13	PS027826.D	03 Oct 2024 20:36	AR\AJ	Ok,M
14	I.BLK	PS027827.D	03 Oct 2024 20:59	AR\AJ	Ok
15	HSTDCCC750	PS027828.D	03 Oct 2024 21:23	AR\AJ	Ok,M
16	P4276-01	PS027829.D	03 Oct 2024 22:59	AR\AJ	Ok,M
17	P4277-01	PS027830.D	03 Oct 2024 23:23	AR\AJ	Ok,M
18	P4242-01	PS027831.D	03 Oct 2024 23:47	AR\AJ	Ok,M
19	P4254-01	PS027832.D	04 Oct 2024 00:11	AR\AJ	Ok,M
20	P4270-01	PS027833.D	04 Oct 2024 00:34	AR\AJ	Ok,M
21	P4273-01	PS027834.D	04 Oct 2024 00:58	AR\AJ	Ok,M

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Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS100324

Review By	Abdul	Review On	10/4/2024 9:10:14 AM		
Supervise By	Ankita	Supervise On	10/4/2024 9:35:20 AM		
SubDirectory	PS100324	HP Acquire Method		HP Processing Method	ps091224 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	P4258-04	PS027835.D	04 Oct 2024 01:22	AR\AJ	Ok,M
23	P4258-04MS	PS027836.D	04 Oct 2024 01:46	AR\AJ	Ok,M
24	P4258-04MSD	PS027837.D	04 Oct 2024 02:10	AR\AJ	Ok,M
25	PB163890BL	PS027838.D	04 Oct 2024 02:34	AR\AJ	Ok
26	PB163890BS	PS027839.D	04 Oct 2024 02:58	AR\AJ	Ok,M
27	PB163851TB	PS027840.D	04 Oct 2024 03:22	AR\AJ	Ok,M
28	I.BLK	PS027841.D	04 Oct 2024 03:45	AR\AJ	Ok,M
29	HSTDCCC750	PS027842.D	04 Oct 2024 04:09	AR\AJ	Ok,M

M : Manual Integration

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

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS091224

Review By	Abdul	Review On	9/15/2024 7:48:35 PM		
Supervise By	Ankita	Supervise On	9/16/2024 10:13:53 AM		
SubDirectory	PS091224	HP Acquire Method		HP Processing Method	ps091224 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	PS027651.D	12 Sep 2024 20:36		AR\AJ	Ok
2	I.BLK	I.BLK	PS027652.D	12 Sep 2024 21:00		AR\AJ	Ok
3	HSTDICC200	HSTDICC200	PS027653.D	12 Sep 2024 21:24		AR\AJ	Ok,M
4	HSTDICC500	HSTDICC500	PS027654.D	12 Sep 2024 21:48		AR\AJ	Ok
5	HSTDICC750	HSTDICC750	PS027655.D	12 Sep 2024 22:12		AR\AJ	Ok
6	HSTDICC1000	HSTDICC1000	PS027656.D	12 Sep 2024 22:35		AR\AJ	Ok
7	HSTDICC1500	HSTDICC1500	PS027657.D	12 Sep 2024 22:59		AR\AJ	Ok
8	HSTDICV750	ICVPS091224	PS027658.D	12 Sep 2024 23:23		AR\AJ	Ok,M
9	I.BLK	I.BLK	PS027659.D	12 Sep 2024 23:47		AR\AJ	Ok
10	HSTDCCC750	HSTDCCC750	PS027660.D	13 Sep 2024 00:11		AR\AJ	Ok
11	P3845-17	PT-HERB-WP	PS027661.D	13 Sep 2024 00:35	please check compound-6 & 7	AR\AJ	Ok
12	I.BLK	I.BLK	PS027662.D	13 Sep 2024 00:59		AR\AJ	Ok
13	HSTDCCC750	HSTDCCC750	PS027663.D	13 Sep 2024 01:22		AR\AJ	Ok

M : Manual Integration

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS100324

Review By	Abdul	Review On	10/4/2024 9:10:14 AM		
Supervise By	Ankita	Supervise On	10/4/2024 9:35:20 AM		
SubDirectory	PS100324	HP Acquire Method		HP Processing Method	ps091224 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	PS027814.D	03 Oct 2024 11:13		AR\AJ	Ok
2	I.BLK	I.BLK	PS027815.D	03 Oct 2024 11:37		AR\AJ	Ok,M
3	HSTDCCC750	HSTDCCC750	PS027816.D	03 Oct 2024 12:01	CCC Fail for comp 15 PICLORAM	AR\AJ	Ok
4	PB163866BL	PB163866BL	PS027817.D	03 Oct 2024 17:01		AR\AJ	Ok
5	PB163866BS	PB163866BS	PS027818.D	03 Oct 2024 17:25	PICLORAM Recovery low	AR\AJ	Ok,M
6	P4222-01	TP-5	PS027819.D	03 Oct 2024 17:48		AR\AJ	Ok,M
7	P4222-01MS	TP-5MS	PS027820.D	03 Oct 2024 18:12	Some compound recovery fail	AR\AJ	Ok,M
8	P4222-01MSD	TP-5MSD	PS027821.D	03 Oct 2024 18:36	Some compound recovery fail	AR\AJ	Ok,M
9	P4232-01	TP-R	PS027822.D	03 Oct 2024 19:00	2,4-DCAA low	AR\AJ	ReRun
10	P4236-01	TP4	PS027823.D	03 Oct 2024 19:24		AR\AJ	Ok,M
11	P4236-05	TP3	PS027824.D	03 Oct 2024 19:48		AR\AJ	Ok,M
12	P4236-09	TP1	PS027825.D	03 Oct 2024 20:12		AR\AJ	Ok,M
13	P4236-13	TP2	PS027826.D	03 Oct 2024 20:36		AR\AJ	Ok,M
14	I.BLK	I.BLK	PS027827.D	03 Oct 2024 20:59		AR\AJ	Ok
15	HSTDCCC750	HSTDCCC750	PS027828.D	03 Oct 2024 21:23		AR\AJ	Ok,M
16	P4276-01	VNJ-208	PS027829.D	03 Oct 2024 22:59		AR\AJ	Ok,M
17	P4277-01	BU-03-10022024	PS027830.D	03 Oct 2024 23:23		AR\AJ	Ok,M

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Fax : 908 789 8922

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS100324

Review By	Abdul	Review On	10/4/2024 9:10:14 AM		
Supervise By	Ankita	Supervise On	10/4/2024 9:35:20 AM		
SubDirectory	PS100324	HP Acquire Method		HP Processing Method	ps091224 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	

18	P4242-01	TP-Q	PS027831.D	03 Oct 2024 23:47		AR\AJ	Ok,M
19	P4254-01	MH-147-SLUDGE	PS027832.D	04 Oct 2024 00:11		AR\AJ	Ok,M
20	P4270-01	IB-2	PS027833.D	04 Oct 2024 00:34		AR\AJ	Ok,M
21	P4273-01	AU-05-100224	PS027834.D	04 Oct 2024 00:58		AR\AJ	Ok,M
22	P4258-04	Chamberlain Ave	PS027835.D	04 Oct 2024 01:22		AR\AJ	Ok,M
23	P4258-04MS	Chamberlain AveMS	PS027836.D	04 Oct 2024 01:46	Some compound recovery fail	AR\AJ	Ok,M
24	P4258-04MSD	Chamberlain AveMSD	PS027837.D	04 Oct 2024 02:10	Some compound recovery fail	AR\AJ	Ok,M
25	PB163890BL	PB163890BL	PS027838.D	04 Oct 2024 02:34		AR\AJ	Ok
26	PB163890BS	PB163890BS	PS027839.D	04 Oct 2024 02:58		AR\AJ	Ok,M
27	PB163851TB	PB163851TB	PS027840.D	04 Oct 2024 03:22		AR\AJ	Ok,M
28	I.BLK	I.BLK	PS027841.D	04 Oct 2024 03:45		AR\AJ	Ok,M
29	HSTDCCC750	HSTDCCC750	PS027842.D	04 Oct 2024 04:09	CCC Fail for comp 15 PICLORAM	AR\AJ	Ok,M

M : Manual Integration

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB163851

SOP ID : M1311-TCLP-14

SDG No : N/A

Weigh By : JP

Balance ID : WC SC-4

pH Meter ID : WC PH METER-1

Extraction By : JP

Filter By : JP

Pippete ID : WC

Tumbler ID : T-1

TCLP Filter ID : 114771

Start Prep Date : 10/02/2024 **Time :** 17:35

End Prep Date : 10/03/2024 **Time :** 10:25

Combination Ratio : 20

ZHE Cleaning Batch : N/A

Initial Room Temperature: 23 °C

Final Room Temperature: 22 °C

TCLP Technician Signature : JP

Supervisor By : IZ

Standared 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 fiftation and before preservation. TUMBLER T-1 checked,30 rpm. p4276-02 is used for MS-MSD Particle size reduction is not required.

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
10/03/24 11:00	JP / TCLP Room	JP / IZ 10/3 / IEXT
	Preparation Group	Analysis Group / 10/4 DLS

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB163851

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
P4242-04	TP-Q	01	100.02	2000	N/A	N/A	N/A	5.6	1.5	T-1
P4254-04	MH-147-SLUDGE	02	100.03	2000	N/A	N/A	N/A	4.0	1.0	T-1
P4258-04	Chamberlain Ave	03	100.04	2000	N/A	N/A	N/A	5.6	1.5	T-1
P4270-04	IB-2	04	100.02	2000	N/A	N/A	N/A	5.8	1.0	T-1
P4276-02	VNJ-208	05	100.03	2000	N/A	N/A	N/A	7.2	1.5	T-1
PB163851TB	LEB851	06	N/A	2000	N/A	N/A	N/A	4.94	1.0	T-1

SampleID	ClientID	Sample Weight (g)	Filter Weight (g)	Filtrate (mL)	Filter + Solid (After 100°C)	% solids	% Dry Solids
P4242-04	TP-Q	N/A	N/A	N/A	N/A	100	N/A
P4254-04	MH-147-SLUDGE	N/A	N/A	N/A	N/A	100	N/A
P4258-04	Chamberlain Ave	N/A	N/A	N/A	N/A	100	N/A
P4270-04	IB-2	N/A	N/A	N/A	N/A	100	N/A
P4276-02	VNJ-208	N/A	N/A	N/A	N/A	100	N/A
PB163851TB	LEB851	N/A	N/A	N/A	N/A	N/A	N/A

Alliance TECHNICAL GROUP

TCLP Fluid Determination

PB163851

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
P4242-04	TP-Q	5.02	96.5	7.6	2.0	#1	4.93
P4254-04	MH-147-SLUDGE	5.01	96.5	6.6	1.5	#1	4.93
P4258-04	Chamberlain Ave	5.03	96.5	7.6	2.0	#1	4.93
P4270-04	IB-2	5.02	96.5	8.4	3.0	#1	4.93
P4276-02	VNJ-208	5.02	96.5	9.0	4.0	#1	4.93
PB163851TB	LEB851	N/A	N/A	N/A	N/A	#1	4.93

WORKLIST(Hardcopy Internal Chain)

WorkList Name : tclp p4258 **WorkList ID :** 184036 **Department :** TCLP Extraction **Date :** 10-02-2024 09:43:17

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4242-04	TP-Q	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	J51	10/01/2024	1311
P4254-04	MH-147-SLUDGE	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	J51	10/01/2024	1311
P4258-04	Chamberlain Ave	Solid	TCLP Extraction	Cool 4 deg C	ROMA02	H11	10/01/2024	1311
P4270-04	IB-2	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	J51	10/02/2024	1311
P4276-02	VNJ-208	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	J53	10/02/2024	1311

Date/Time 10/02/24 16:30
Raw Sample Received by:
Raw Sample Relinquished by:

Date/Time 10/02/24 19:00
Raw Sample Received by:
Raw Sample Relinquished by:

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB163890

SOP ID: M8151A-Herbicide-22

Clean Up SOP #: N/A

Matrix : Water

Weigh By: N/A

Balance check: N/A

Balance ID: N/A

pH Strip Lot#: E3574

Extraction By: EH

Filter By: RS

pH Meter ID: N/A

Hood ID: 4,7

Extraction Start Date : 10/03/2024

Extraction Start Time : 12:00

Extraction End Date : 10/03/2024

Extraction End Time : 17:00

Concentration By: EH

Supervisor By : rajesh

Extraction Method: [√] Seperatory Funnel [ ] Continious Liquid/Liquid [ ] Sonication [ ] Waste Dilution [ ] Soxhlet

Standared Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	5/500 PPM	PP23624
Surrogate	1.0ML	5000 PPB	PP23665
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
12N H2SO4	N/A	EP2505
NAOH 6N	N/A	EP2491
ISO OCTANE	N/A	E3554
METHANOL	N/A	V14138
Diazomethane	N/A	EP2529
Hexane	N/A	E3805
NACL	N/A	M4459
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

pH Adjusted with 6N NaOH>12 prior to Hydrolysis, PH adjusted with cold 12N H2SO4<2 after Hydrolysis,
Derivatization procedure is completed and samples are ready to Analyze, 40ml Vial Lot # 03-40BTS721.

KD Bath ID: N/A

KD Bath Temperature: N/A

Envap ID: NE VAP-02

Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
10/3/24	RP (EM. 2nd)	R. Patel / PCB Lab
17:05	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB163890

Analytical Method: M8151A-Herbicide-22 **Concentration Date:** 10/03/2024

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB163851TB	PB163851TB	TCLP Herbicide	100	6	Evelyn	RUPESH	10			SEP-7
PB163890BL	HBLK890	TCLP Herbicide	1000	6	Evelyn	RUPESH	10			8
PB163890BS	HLCS890	TCLP Herbicide	1000	6	Evelyn	RUPESH	10			9
P4258-04	CHAMBERLAIN AVE	TCLP Herbicide	100	6	Evelyn	RUPESH	10	A		10
P4258-04MS	CHAMBERLAIN AVEMS	TCLP Herbicide	100	6	Evelyn	RUPESH	10	A		11
P4258-04MSD	CHAMBERLAIN AVEMSD	TCLP Herbicide	100	6	Evelyn	RUPESH	10	A		12

* **Extracts relinquished on the same date as received.**

10/3/24

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB163851

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 Po
P4242-04	TP-Q	01	100.02	2000	N/A	N/A	N/A	5.6	1.5	T-1
P4254-04	MH-147-SLUDGE	02	100.03	2000	N/A	N/A	N/A	4.0	1.0	T-1
P4258-04	Chamberlain Ave	03	100.04	2000	N/A	N/A	N/A	5.6	1.5	T-1
P4270-04	IB-2	04	100.02	2000	N/A	N/A	N/A	5.8	1.0	T-1
P4276-02	VNJ-208	05	100.03	2000	N/A	N/A	N/A	7.2	1.5	T-1
PB163851TB	LEB851	06	N/A	2000	N/A	N/A	N/A	4.94	1.0	T-1

10/03/24

22:00

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

LAB CHRONICLE

OrderID:	P4258	**OrderDate:**	10/1/2024 1:21:00 PM
Client:	Roman E&G Corp	**Project:**	Perth Amboy
Contact:	Mark Mattheiss	**Location:**	H11,H51

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4258-04	**Chamberlain Ave**	**TCLP**			**10/01/24**			**10/01/24**
			TCLP Herbicide	8151A		10/03/24	10/04/24	
			TCLP Pesticide	8081B		10/03/24	10/03/24	