

DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following “Results Qualifiers” are used:

Value	If the result is a value greater than or equal to the detection limit, report the value
U	Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. “10 U”. This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.
ND	Indicates the analyte was analyzed for, but not detected
J	Indicates an estimated value. This flag is used: (1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.) (2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others.
B	Indicates the analyte was found in the blank as well as the sample report as “12 B”.
E	Indicates the analyte ‘s concentration exceeds the calibrated range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
P	This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a “P”.
N	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.
A	This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.
Q	Indicates the LCS did not meet the control limits requirements

LAB CHRONICLE

OrderID:	Q3368	OrderDate:	10/16/2025 2:05:00 PM
Client:	Aramark Uniforms	Project:	Monthly 2025
Contact:	Tom Dikos	Location:	D41

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3368-06	OUTSIDE-DUMPSTER	SOIL			10/16/25			10/16/25
			PCB	8082A		10/21/25	10/21/25	
			TCLP Herbicide	8151A		11/03/25	11/04/25	
			TCLP Pesticide	8081B		11/03/25	11/04/25	
Q3368-06RE	OUTSIDE-DUMPSTERR E	TCLP			10/16/25			10/16/25
			TCLP Pesticide	8081B		11/03/25	11/05/25	
Q3368-07	PRESS-SLUDGE	SOIL			10/16/25			10/16/25
			PCB	8082A		10/21/25	10/21/25	
			TCLP Herbicide	8151A		11/03/25	11/04/25	
			TCLP Pesticide	8081B		11/03/25	11/04/25	
Q3368-07RE	PRESS-SLUDGERE	TCLP			10/16/25			10/16/25
			TCLP Pesticide	8081B		11/03/25	11/05/25	



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Hit Summary Sheet
SW-846

SDG No.: Q3368

Order ID: Q3368

Client: Aramark Uniforms

Project ID: Monthly 2025

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.: Q3368

Client: Aramark Uniforms

Analytical Method: 8151A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%)	
								Low	High
I.BLK-PS032225.D	PIBLK-PS032225.D	2,4-DCAA	1	500	359	72		61	136
		2,4-DCAA	2	500	508	102		61	136
I.BLK-PS032266.D	PIBLK-PS032266.D	2,4-DCAA	1	500	361	72		61	136
		2,4-DCAA	2	500	527	105		61	136
PB170386BS	PB170386BS	2,4-DCAA	1	500	556	111		61	136
		2,4-DCAA	2	500	561	112		61	136
Q3368-06	OUTSIDE-DUMPSTER	2,4-DCAA	1	500	347	69		61	136
		2,4-DCAA	2	500	439	88		61	136
Q3368-06MS	OUTSIDE-DUMPSTERMS	2,4-DCAA	1	500	400	80		61	136
		2,4-DCAA	2	500	496	99		61	136
Q3368-06MSD	OUTSIDE-DUMPSTERMSD	2,4-DCAA	1	500	399	80		61	136
		2,4-DCAA	2	500	470	94		61	136
Q3368-07	PRESS-SLUDGE	2,4-DCAA	1	500	415	83		61	136
		2,4-DCAA	2	500	478	96		61	136
I.BLK-PS032275.D	PIBLK-PS032275.D	2,4-DCAA	1	500	407	81		61	136
		2,4-DCAA	2	500	489	98		61	136
I.BLK-PS032278.D	PIBLK-PS032278.D	2,4-DCAA	1	500	412	82		61	136
		2,4-DCAA	2	500	531	106		61	136
PB170386BL	PB170386BL	2,4-DCAA	1	500	377	75		61	136
		2,4-DCAA	2	500	500	100		61	136
PB170172TB	PB170172TB	2,4-DCAA	1	500	374	75		61	136
		2,4-DCAA	2	500	498	100		61	136
I.BLK-PS032287.D	PIBLK-PS032287.D	2,4-DCAA	1	500	389	78		61	136
		2,4-DCAA	2	500	520	104		61	136

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q3368</u>	Analytical Method:	<u>8151A</u>
Client:	<u>Aramark Uniforms</u>	DataFile :	<u>PS032272.D</u>

	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	Q3368-06MS (Column 1)	Client Sample ID:		OUTSIDE-DUMPSTER#								
	2,4-D	50	0	24.1	ug/L	48	*			65	135	
	2,4,5-TP(Silvex)	50	0	25.5	ug/L	51	*			62	139	
Lab Sample ID:	Q3368-06MS (Column 2)	Client Sample ID:		OUTSIDE-DUMPSTER#								
	2,4-D	50	0	29.0	ug/L	58	*			65	135	
	2,4,5-TP(Silvex)	50	0	42.5	ug/L	85	*			62	139	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q3368</u>	Analytical Method:	<u>8151A</u>
Client:	<u>Aramark Uniforms</u>	DataFile :	<u>PS032273.D</u>

	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	Q3368-06MSD (Column 1)	Client Sample ID: OUTSIDE-DUMPSTER#										
	2,4-D	50	0	24.0	ug/L	48	*	0		65	135	20
	2,4,5-TP(Silvex)	50	0	25.7	ug/L	51	*	0		62	139	20
Lab Sample ID:	Q3368-06MSD (Column 2)	Client Sample ID: OUTSIDE-DUMPSTER#										
	2,4-D	50	0	29.0	ug/L	58	*	0		65	135	20
	2,4,5-TP(Silvex)	50	0	46.5	ug/L	93	*	9		62	139	20



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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3368

Analytical Method: 8151A

Client: Aramark Uniforms

Datafile : PS032269.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD	Low	Limits	RPD
								Qual		High	
PB170386BS (Column 1)	2,4-D	5	5.20	ug/L	104				83	130	
	2,4,5-TP(Silvex)	5	5.30	ug/L	106				78	127	
PB170386BS (Column 2)	2,4-D	5	5.30	ug/L	106				83	130	
	2,4,5-TP(Silvex)	5	5.40	ug/L	108				78	127	

4C

PESTICIDE METHOD BLANK SUMMARY

Client ID

PB170386BL

Lab Name: Alliance

Contract: ARAM01

Lab Code: ACE

SDG NO.: Q3368

Lab Sample ID: PB170386BL

Lab File ID: PS032283.D

Matrix: (soil/water) water

Extraction: (Type) SEPF

Sulfur Cleanup: (Y/N) N

Date Extracted: 11/03/2025

Date Analyzed (1): 11/06/2025

Date Analyzed (2): 11/06/2025

Time Analyzed (1): 13:23

Time Analyzed (2): 13:23

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
PB170386BS	PB170386BS	PS032269.D	11/04/2025	11/04/2025
OUTSIDE-DUMPSTER	Q3368-06	PS032271.D	11/04/2025	11/04/2025
OUTSIDE-DUMPSTERMS	Q3368-06MS	PS032272.D	11/04/2025	11/04/2025
OUTSIDE-DUMPSTERMSD	Q3368-06MSD	PS032273.D	11/04/2025	11/04/2025
PRESS-SLUDGE	Q3368-07	PS032274.D	11/04/2025	11/04/2025
PB170172TB	PB170172TB	PS032284.D	11/06/2025	11/06/2025

COMMENTS: _____



SAMPLE DATA

Report of Analysis

Client:	Aramark Uniforms		Date Collected:	
Project:	Monthly 2025		Date Received:	11/03/25
Client Sample ID:	PB170172TB		SDG No.:	Q3368
Lab Sample ID:	PB170172TB		Matrix:	TCLP
Analytical Method:	8151A		% Solid:	0
Sample Wt/Vol:	100 mL	Final Vol: 10000 uL	Test:	TCLP Herbicide
Prep Method:	8151A	Prep Date: 11/03/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
94-75-7	2,4-D	9.20	U	1	9.20	20.0	ug/L	11/06/25 13:47	PB170386
93-72-1	2,4,5-TP (Silvex)	7.80	U	1	7.80	20.0	ug/L	11/06/25 13:47	PB170386
SURROGATES									
19719-28-9	2,4-DCAA	498			61 - 136	100%	SPK: 500		

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS110625\
Data File : PS032284.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Nov 2025 13:47
Operator : AR\AJ
Sample : PB170172TB
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
PB170172TB

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 07 01:06:26 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110325.M
Quant Title : 8080.M
QLast Update : Tue Nov 04 04:59:50 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
4) S 2,4-DCAA	7.279	7.613	1695.0E6	1815.7E6	374.072	498.072 #

Target Compounds

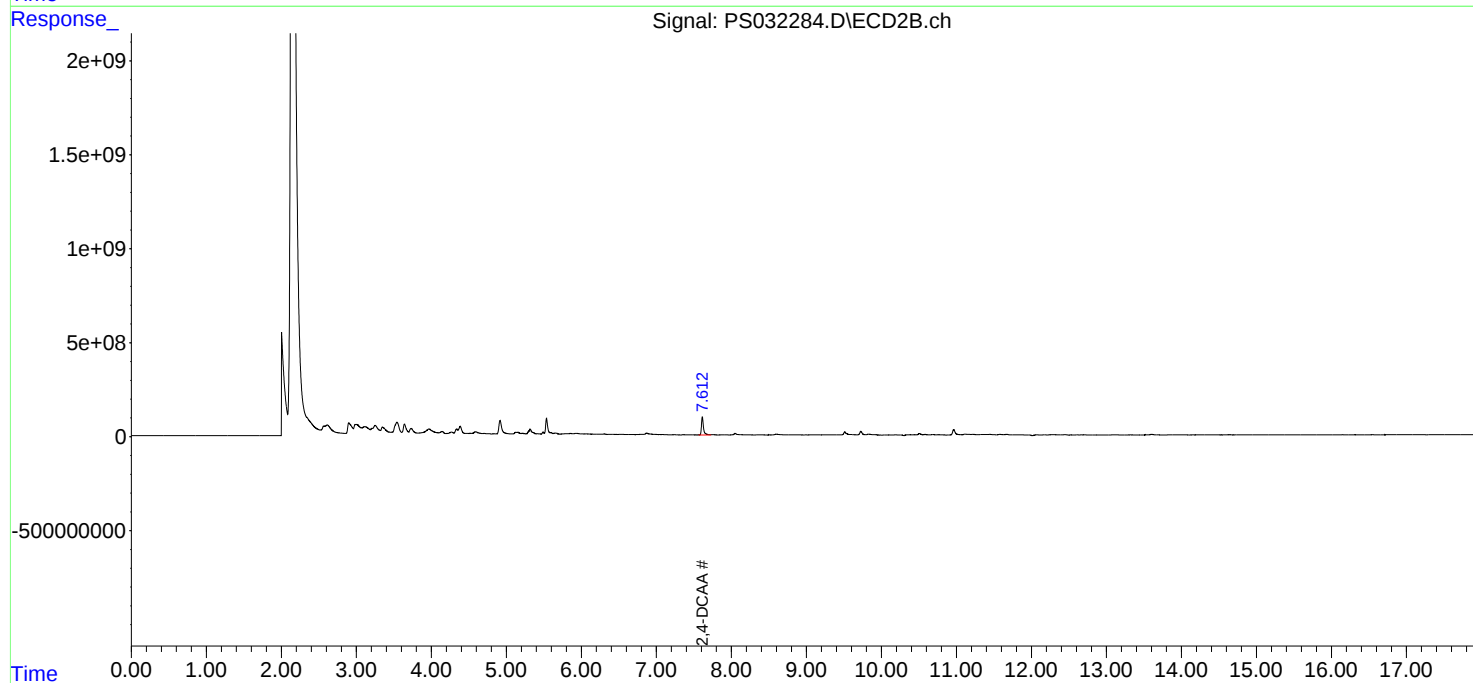
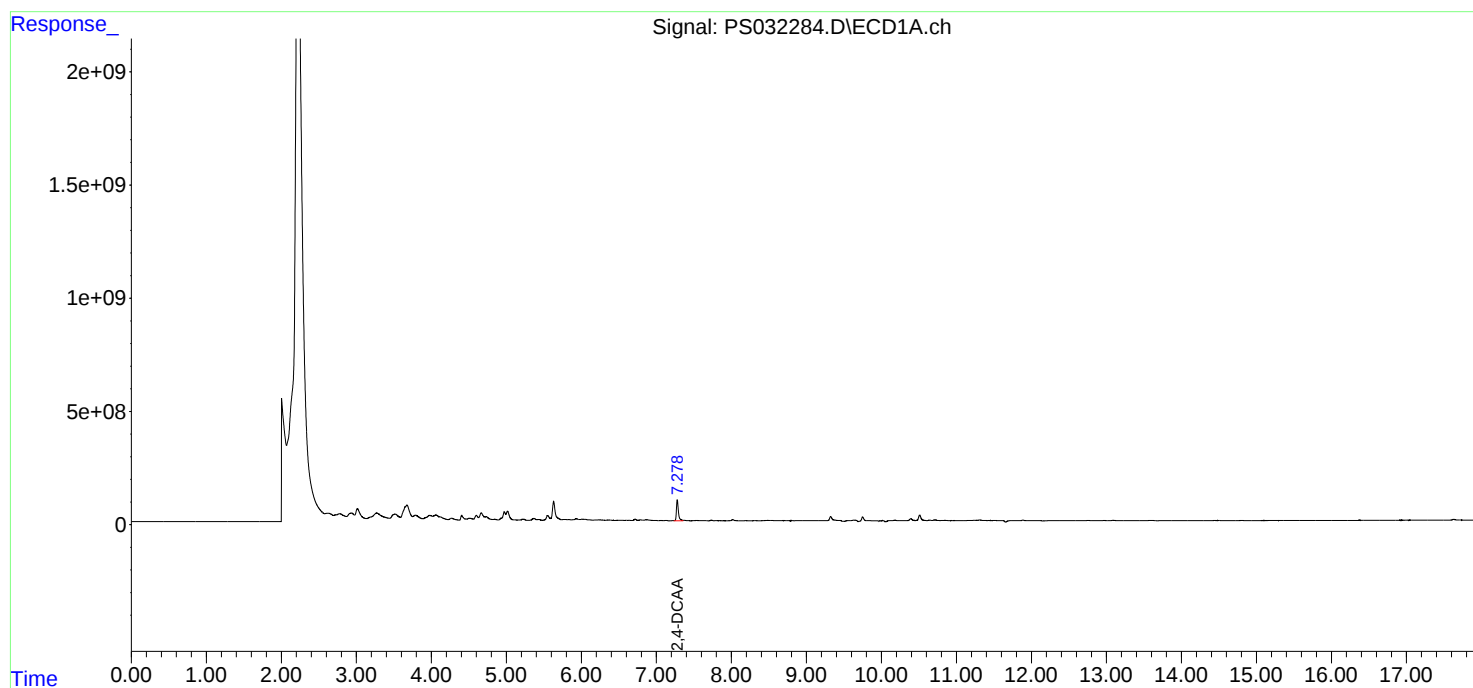
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS110625\
Data File : PS032284.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Nov 2025 13:47
Operator : AR\AJ
Sample : PB170172TB
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
PB170172TB

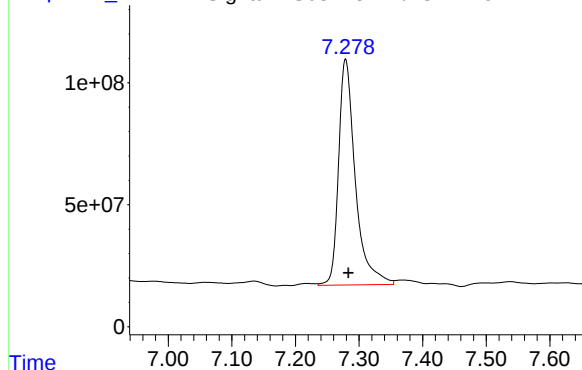
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 07 01:06:26 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110325.M
Quant Title : 8080.M
QLast Update : Tue Nov 04 04:59:50 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Signal: PS032284.D\ECD1A.ch

#4 2,4-DCAA

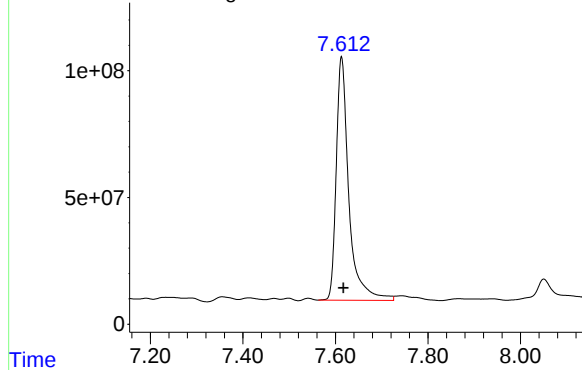


R.T.: 7.279 min
Delta R.T.: -0.004 min
Response: 1695023121
Conc: 374.07 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB170172TB

Signal: PS032284.D\ECD2B.ch

#4 2,4-DCAA



R.T.: 7.613 min
Delta R.T.: -0.004 min
Response: 1815719906
Conc: 498.07 ng/ml



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Report of Analysis

Client:	Aramark Uniforms		Date Collected:	10/16/25
Project:	Monthly 2025		Date Received:	10/16/25
Client Sample ID:	OUTSIDE-DUMPSTER		SDG No.:	Q3368
Lab Sample ID:	Q3368-06		Matrix:	TCLP
Analytical Method:	8151A		% Solid:	0
Sample Wt/Vol:	100 mL	Final Vol: 10000 uL	Test:	TCLP Herbicide
Prep Method:	8151A	Prep Date: 11/03/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
94-75-7	2,4-D	9.20	U	1	9.20	20.0	ug/L	11/04/25 12:11	PB170386
93-72-1	2,4,5-TP (Silvex)	7.80	U	1	7.80	20.0	ug/L	11/04/25 12:11	PB170386
SURROGATES									
19719-28-9	2,4-DCAA	439			61 - 136	88%	SPK: 500		

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS110425\
Data File : PS032271.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Nov 2025 12:11
Operator : AR\AJ
Sample : Q3368-06
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
OUTSIDE-DUMPSTER

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 05 00:25:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110325.M
Quant Title : 8080.M
QLast Update : Tue Nov 04 04:59:50 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
4) S 2,4-DCAA	7.280	7.613	1574.1E6	1599.0E6	347.396	438.629 #

Target Compounds

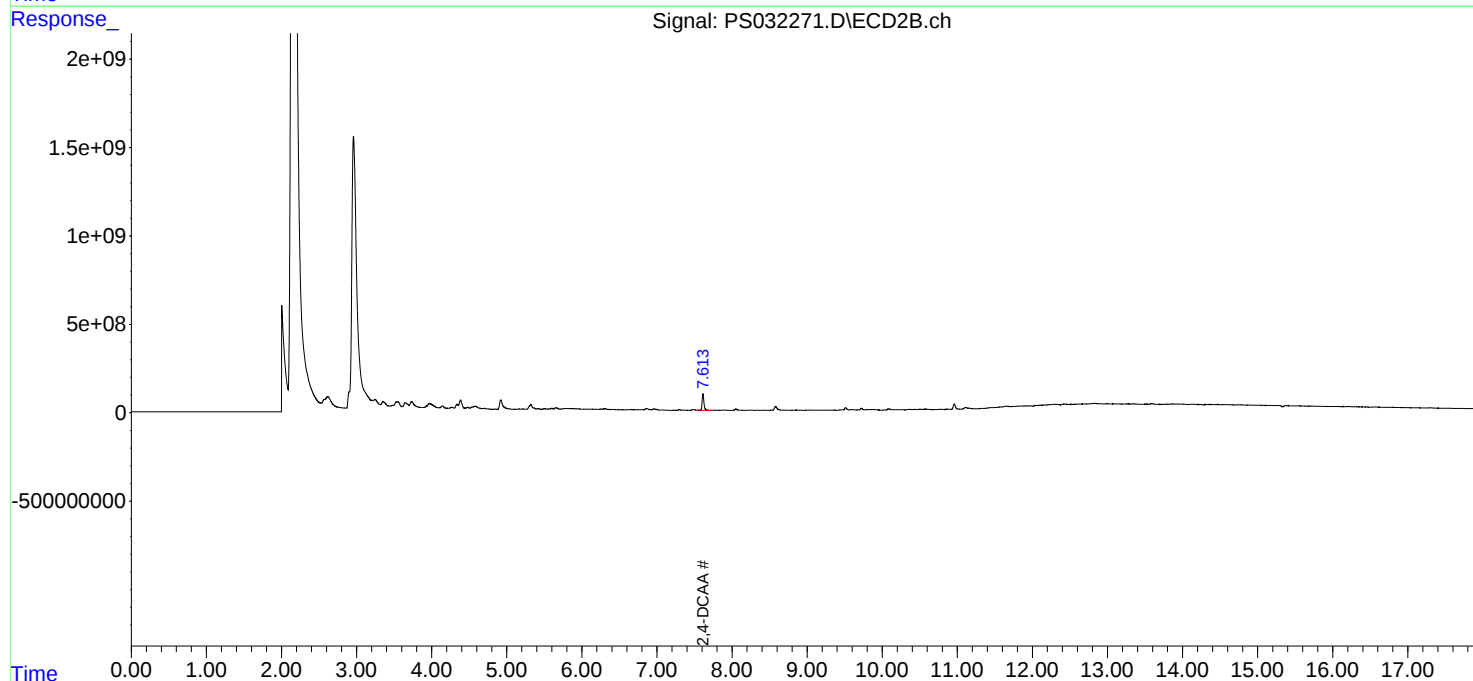
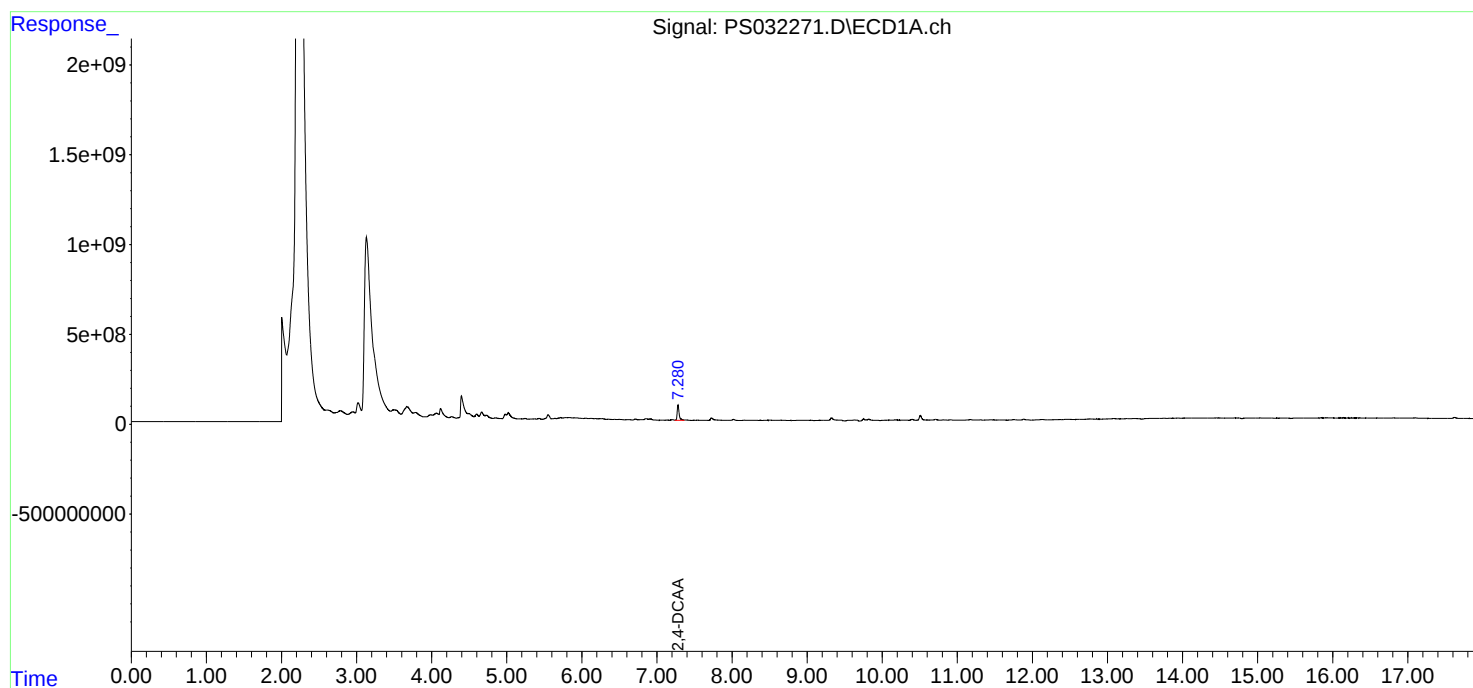
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS110425\
Data File : PS032271.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Nov 2025 12:11
Operator : AR\AJ
Sample : Q3368-06
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
OUTSIDE-DUMPSTER

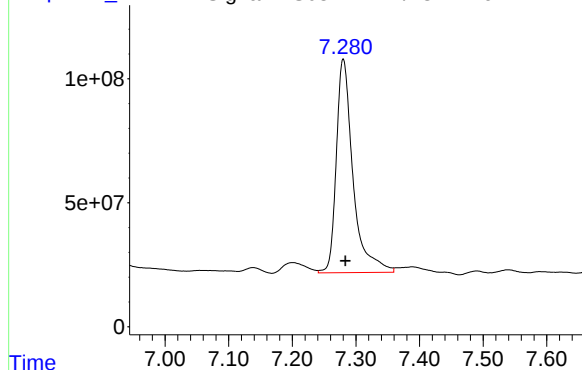
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 05 00:25:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110325.M
Quant Title : 8080.M
QLast Update : Tue Nov 04 04:59:50 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Signal: PS032271.D\ECD1A.ch

#4 2,4-DCAA

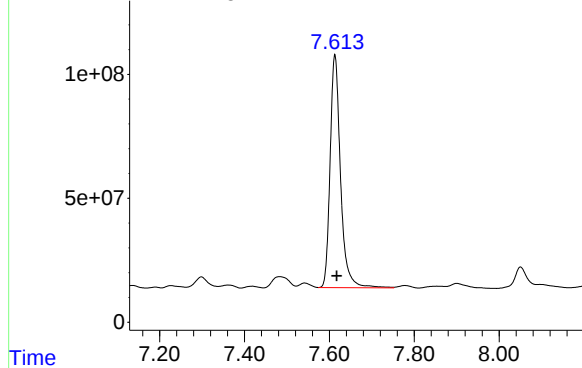


R.T.: 7.280 min
Delta R.T.: -0.003 min
Response: 1574145158
Conc: 347.40 ng/ml

Instrument :
ECD_S
ClientSampleId :
OUTSIDE-DUMPSTER

Signal: PS032271.D\ECD2B.ch

#4 2,4-DCAA



R.T.: 7.613 min
Delta R.T.: -0.004 min
Response: 1599021927
Conc: 438.63 ng/ml



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Report of Analysis

Client:	Aramark Uniforms		Date Collected:	10/16/25
Project:	Monthly 2025		Date Received:	10/16/25
Client Sample ID:	PRESS-SLUDGE		SDG No.:	Q3368
Lab Sample ID:	Q3368-07		Matrix:	TCLP
Analytical Method:	8151A		% Solid:	0
Sample Wt/Vol:	100 mL	Final Vol: 10000 uL	Test:	TCLP Herbicide
Prep Method:	8151A	Prep Date: 11/03/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
94-75-7	2,4-D	9.20	U	1	9.20	20.0	ug/L	11/04/25 13:23	PB170386
93-72-1	2,4,5-TP (Silvex)	7.80	U	1	7.80	20.0	ug/L	11/04/25 13:23	PB170386
SURROGATES									
19719-28-9	2,4-DCAA	478			61 - 136	96%	SPK: 500		

U = Not Detected

LOQ = Limit of Quantitation

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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\PS110425\
Data File : PS032274.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Nov 2025 13:23
Operator : AR\AJ
Sample : Q3368-07
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
PRESS-SLUDGE

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 11/05/2025
Supervised By :Yogesh Patel 11/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 05 00:26:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110325.M
Quant Title : 8080.M
QLast Update : Tue Nov 04 04:59:50 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
4) S 2,4-DCAA	7.276	7.608	1881.8E6	1743.3E6	415.283m	478.218

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS110425\
Data File : PS032274.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Nov 2025 13:23
Operator : AR\AJ
Sample : Q3368-07
Misc :
ALS Vial : 10 Sample Multiplier: 1

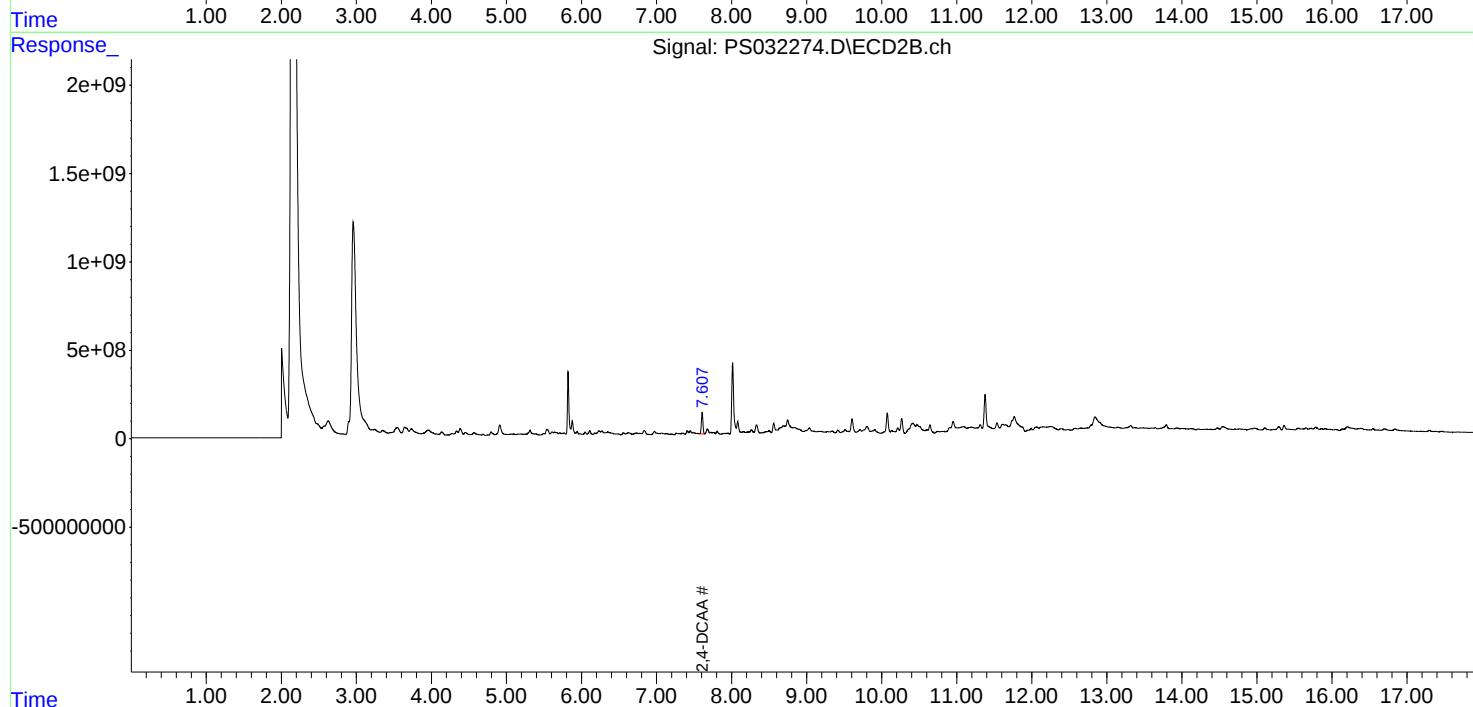
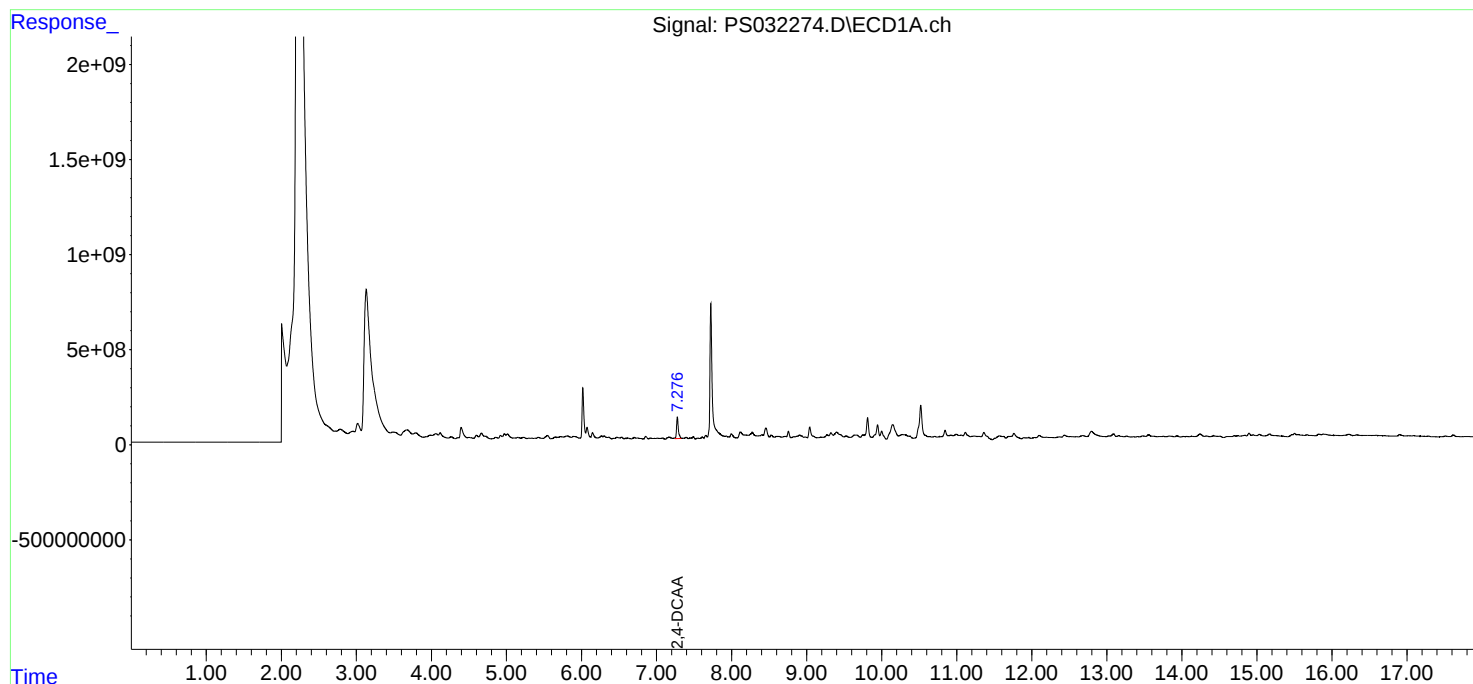
Instrument :
ECD_S
ClientSampleId :
PRESS-SLUDGE

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 11/05/2025
Supervised By :Yogesh Patel 11/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 05 00:26:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110325.M
Quant Title : 8080.M
QLast Update : Tue Nov 04 04:59:50 2025
Response via : Initial Calibration
Integrator: ChemStation

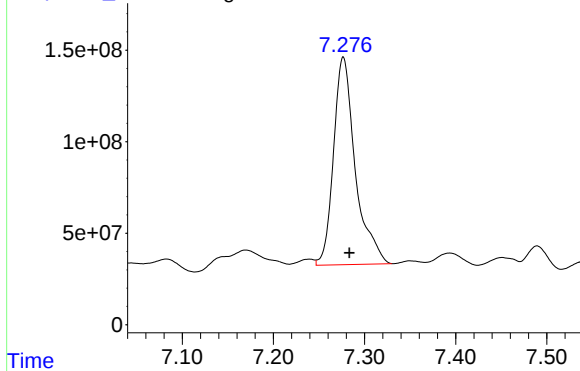
Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



Response_

Signal: PS032274.D\ECD1A.ch

#4 2,4-DCAA



R.T.: 7.276 min
Delta R.T.: -0.007 min
Response: 1881761147
Conc: 415.28 ng/ml

Instrument :

ECD_S

ClientSampleId :

PRESS-SLUDGE

Manual Integrations

APPROVED

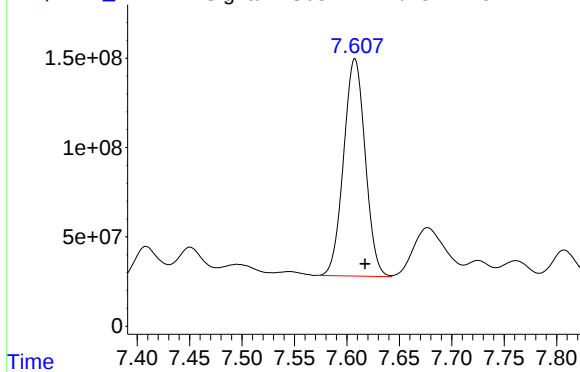
Reviewed By :Rahul Chavli 11/05/2025
Supervised By :Yogesh Patel 11/05/2025

Time

Response_

Signal: PS032274.D\ECD2B.ch

#4 2,4-DCAA



R.T.: 7.608 min
Delta R.T.: -0.010 min
Response: 1743342660
Conc: 478.22 ng/ml

Time



CALIBRATION SUMMARY

RETENTION TIMES OF INITIAL CALIBRATION

Lab Name:	<u>Alliance</u>	Contract:	<u>ARAM01</u>
Lab Code:	<u>ACE</u>	SDG NO.:	<u>Q3368</u>
Instrument ID:	<u>ECD_S</u>	Calibration Date(s):	<u>11/03/2025</u> <u>11/03/2025</u>
		Calibration Times:	<u>09:40</u> <u>11:17</u>

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

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

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

RETENTION TIMES OF INITIAL CALIBRATION

Lab Name:	<u>Alliance</u>	Contract:	<u>ARAM01</u>
Lab Code:	<u>ACE</u>	SDG NO.:	<u>Q3368</u>
Instrument ID:	<u>ECD_S</u>	Calibration Date(s):	<u>11/03/2025</u> <u>11/03/2025</u>
		Calibration Times:	<u>09:40</u> <u>11:17</u>

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

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

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



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

CALIBRATION FACTOR OF INITIAL CALIBRATION

Lab Name: Alliance

Contract: ARAM01

Lab Code: ACE

SDG NO.: Q3368

Instrument ID: ECD_S

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

Calibration Times: 09:40 11:17

GC Column: RTX-CLP

ID: 0.32 (mm)

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



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

CALIBRATION FACTOR OF INITIAL CALIBRATION

Lab Name: Alliance

Contract: ARAM01

Lab Code: ACE

SDG NO.: Q3368

Instrument ID: ECD_S

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

Calibration Times: 09:40 11:17

GC Column: RTX-CLP2

ID: 0.32 (mm)

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

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

Instrument :
 ECD_S
 ClientSampleId :
 HSTDICC200

Manual Integrations
 APPROVED

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

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 03 11:02:41 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110325.M
 Quant Title : 8080.M
 QLast Update : Mon Nov 03 10:53:30 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

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

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

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

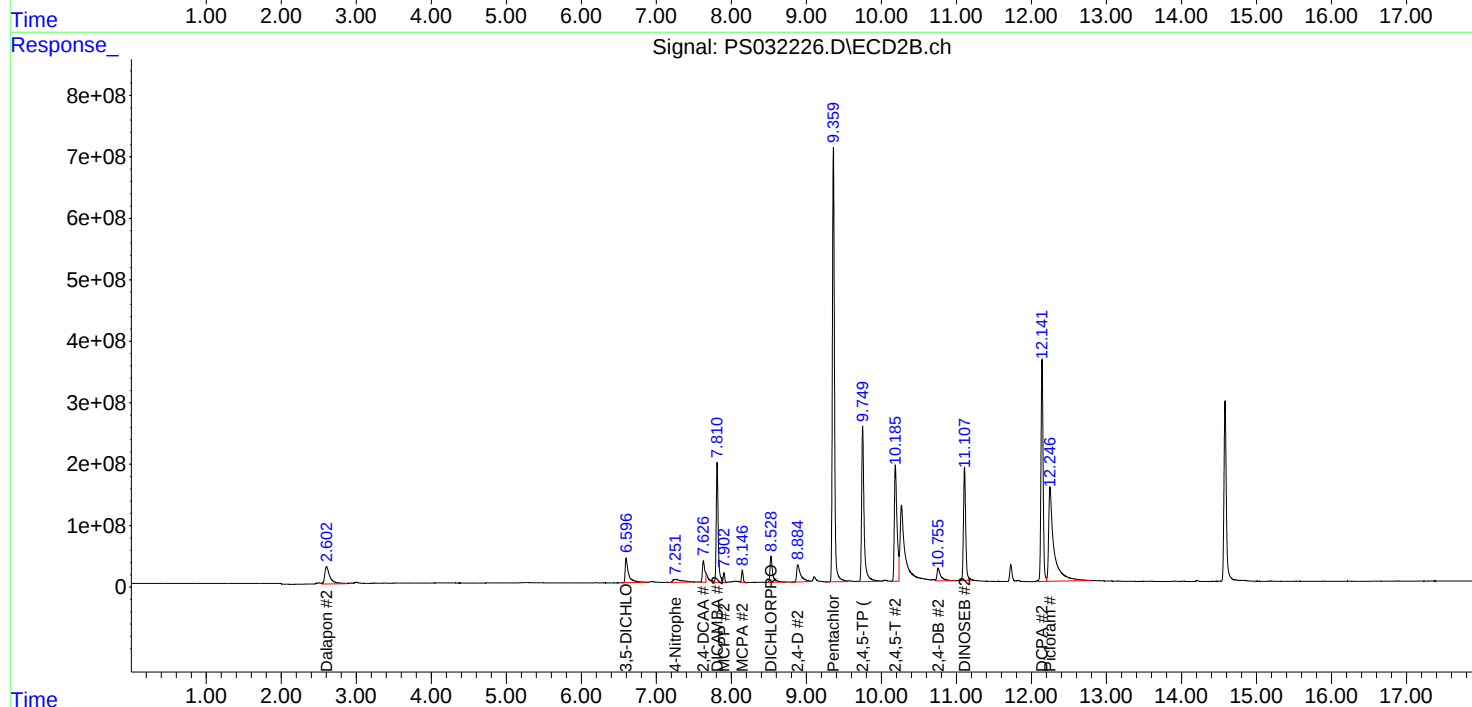
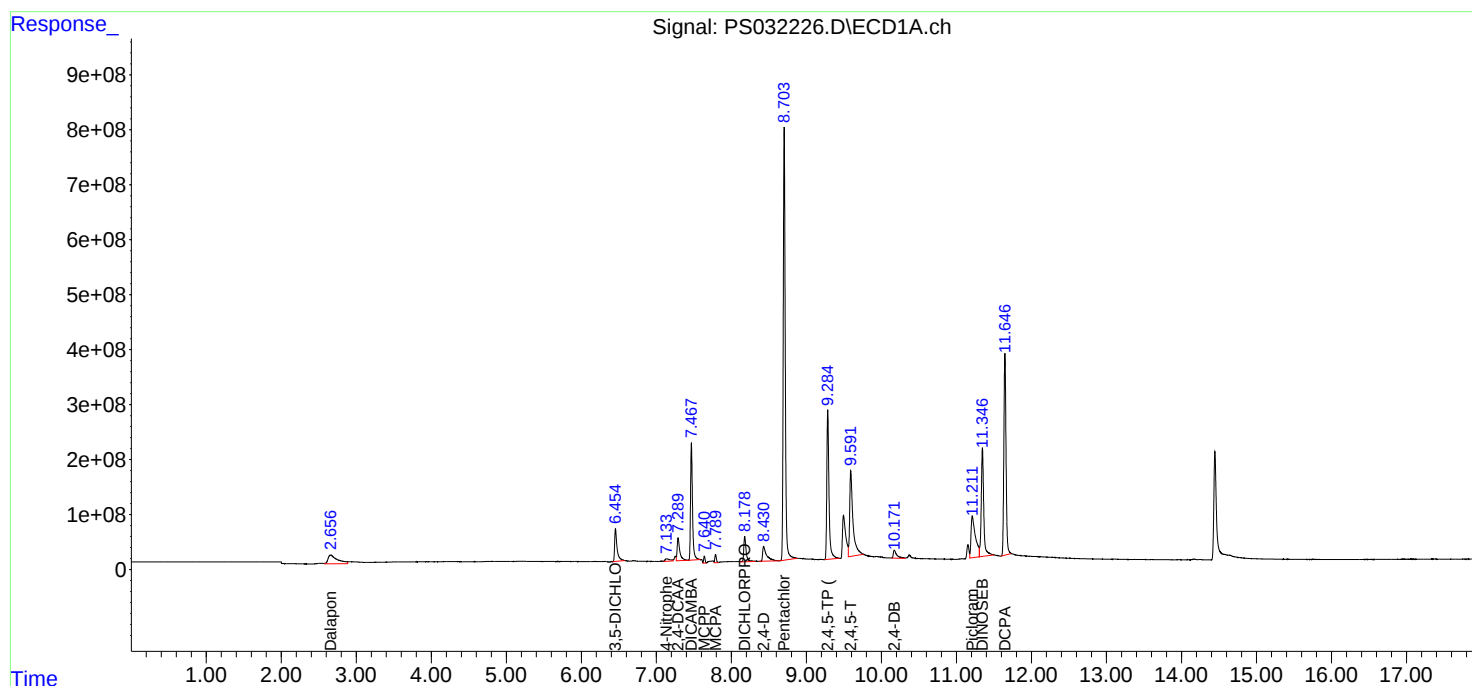
Instrument :
ECD_S
ClientSampleId :
HSTDICC200

Manual Integrations
APPROVED

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

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 03 11:02:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110325.M
Quant Title : 8080.M
QLast Update : Mon Nov 03 10:53:30 2025
Response via : Initial Calibration
Integrator: ChemStation

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



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

Instrument :
 ECD_S
 ClientSampleId :
 HSTDICC500

Manual Integrations
 APPROVED

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

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 03 10:59:41 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110325.M
 Quant Title : 8080.M
 QLast Update : Mon Nov 03 10:53:30 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

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

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

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

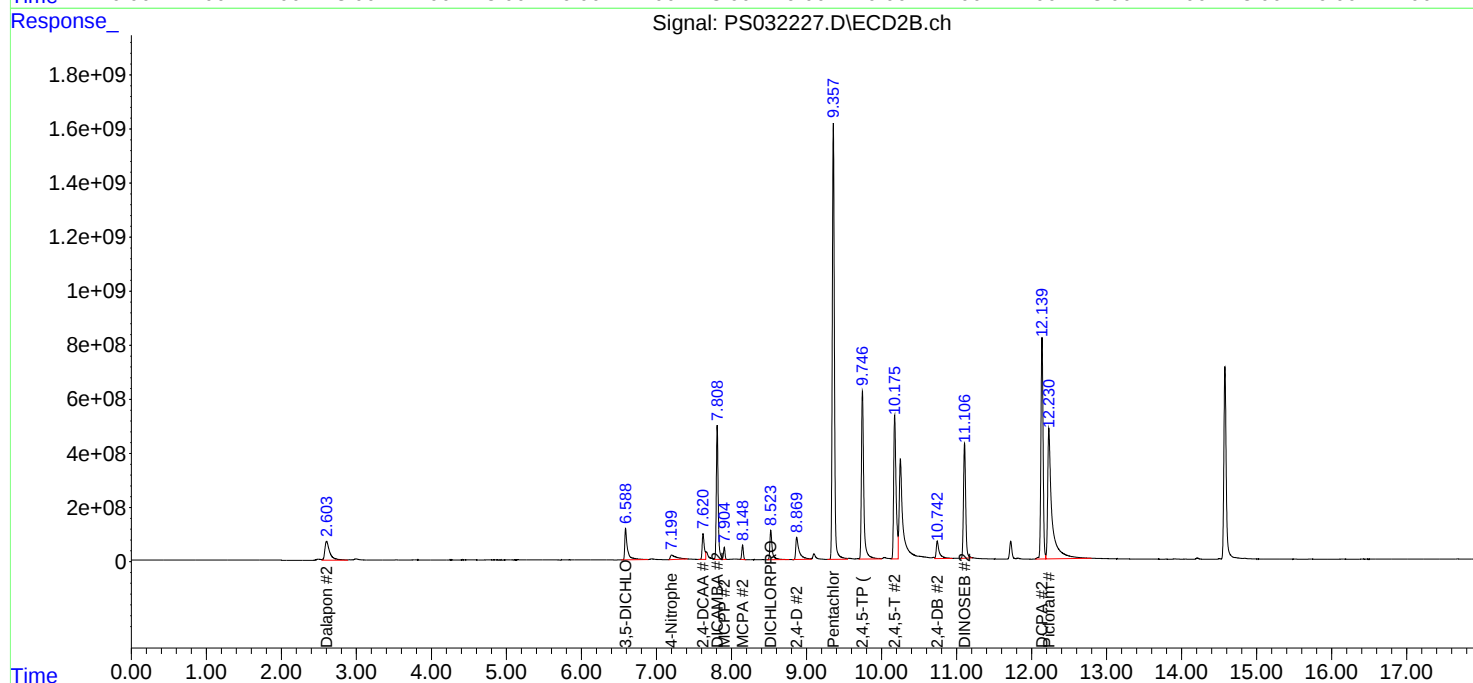
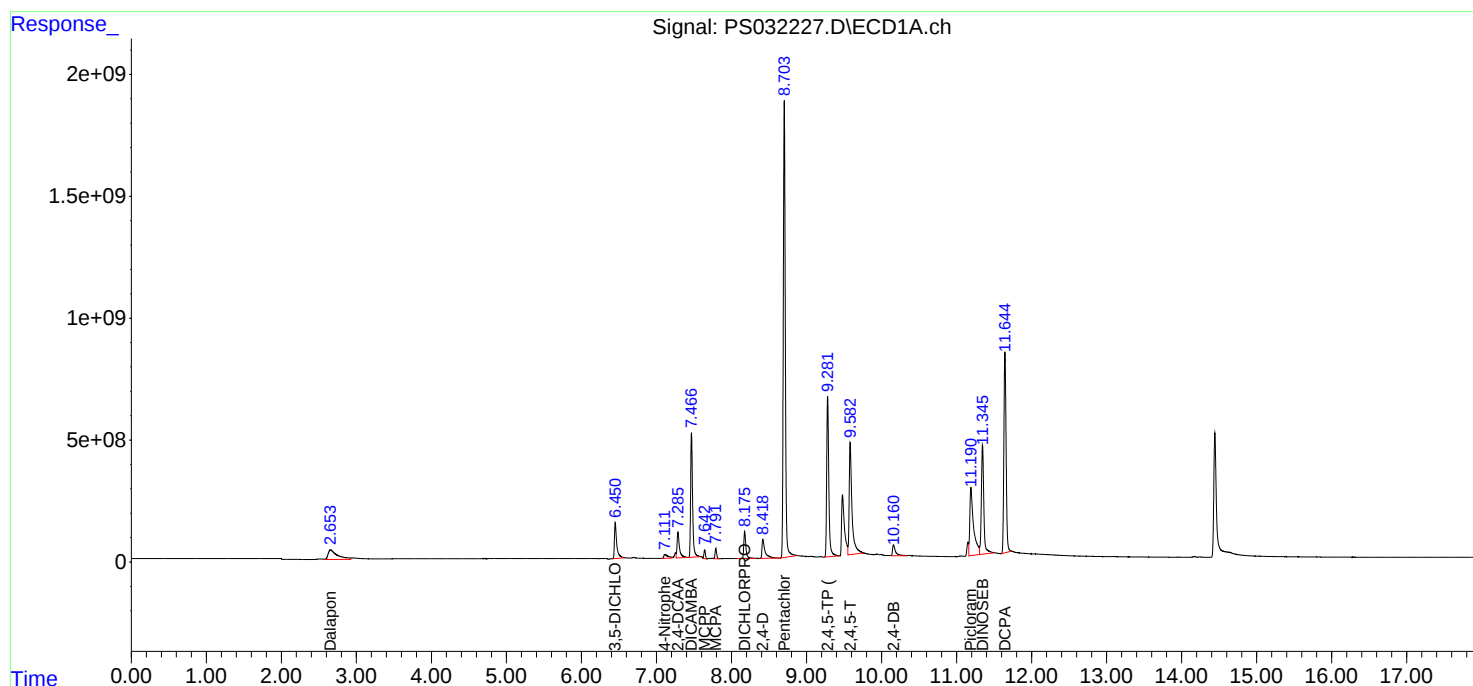
Instrument :
ECD_S
ClientSampleId :
HSTDICC500

Manual Integrations
APPROVED

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

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 03 10:59:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110325.M
Quant Title : 8080.M
QLast Update : Mon Nov 03 10:53:30 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS110325\
 Data File : PS032228.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 03 Nov 2025 10:28
 Operator : AR\AJ
 Sample : HSTDICC750
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 HSTDICC750

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 03 10:55:40 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110325.M
 Quant Title : 8080.M
 QLast Update : Mon Nov 03 10:53:30 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
4) S	2,4-DCAA	7.283	7.617	3403.8E6	2764.7E6	750.000	750.000
Target Compounds							
1) T	Dalapon	2.654	2.603	4968.0E6	4797.3E6	682.500	682.500
2) T	3,5-DICHL...	6.449	6.585	4549.4E6	4236.1E6	697.500	697.500
3) T	4-Nitroph...	7.102	7.182	971.2E6	1697.8E6	682.500	682.500
5) T	DICAMBA	7.466	7.808	13541.9E6	12431.7E6	705.000	705.000
6) T	MCPD	7.644	7.906	822.2E6	987.3E6	70.500	70.500
7) T	MCPA	7.793	8.151	985.6E6	1203.1E6	69.750	69.750
8) T	DICHLORPROP	8.174	8.522	3083.9E6	3370.0E6	705.000	705.000
9) T	2,4-D	8.414	8.864	3176.8E6	3779.0E6	705.000	705.000
10) T	Pentachlo...	8.708	9.356	47144.9E6	44048.2E6	712.500	712.500
11) T	2,4,5-TP ...	9.280	9.744	18800.3E6	19461.3E6	712.500	712.500
12) T	2,4,5-T	9.578	10.172	17510.6E6	17530.3E6	712.500	712.500
13) T	2,4-DB	10.155	10.737	1942.1E6	2734.4E6	712.500	712.500
14) T	DINOSEB	11.345	11.105	14710.5E6	12603.2E6	705.000	705.000
15) T	Picloram	11.184	12.223	16731.9E6	27897.3E6	712.500	712.500
16) T	DCPA	11.644	12.140	24393.8E6	23237.1E6	720.000	720.000

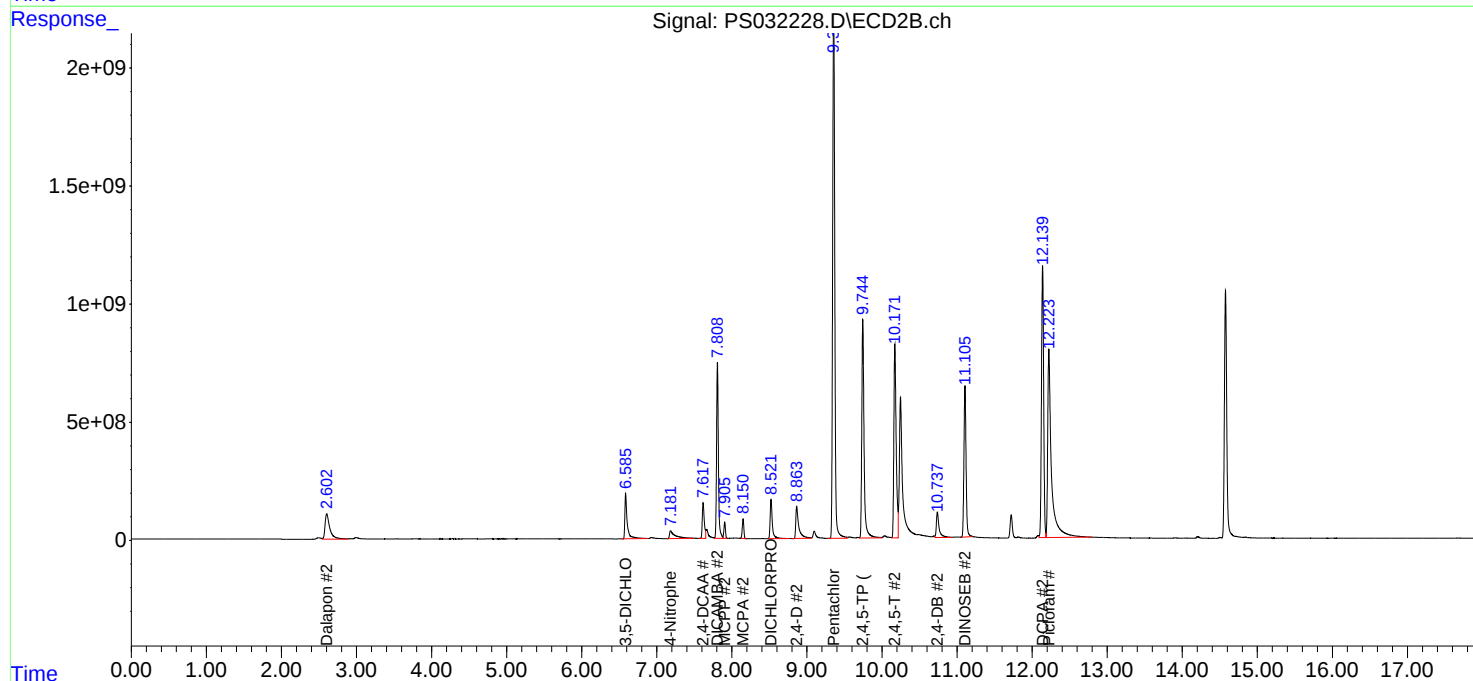
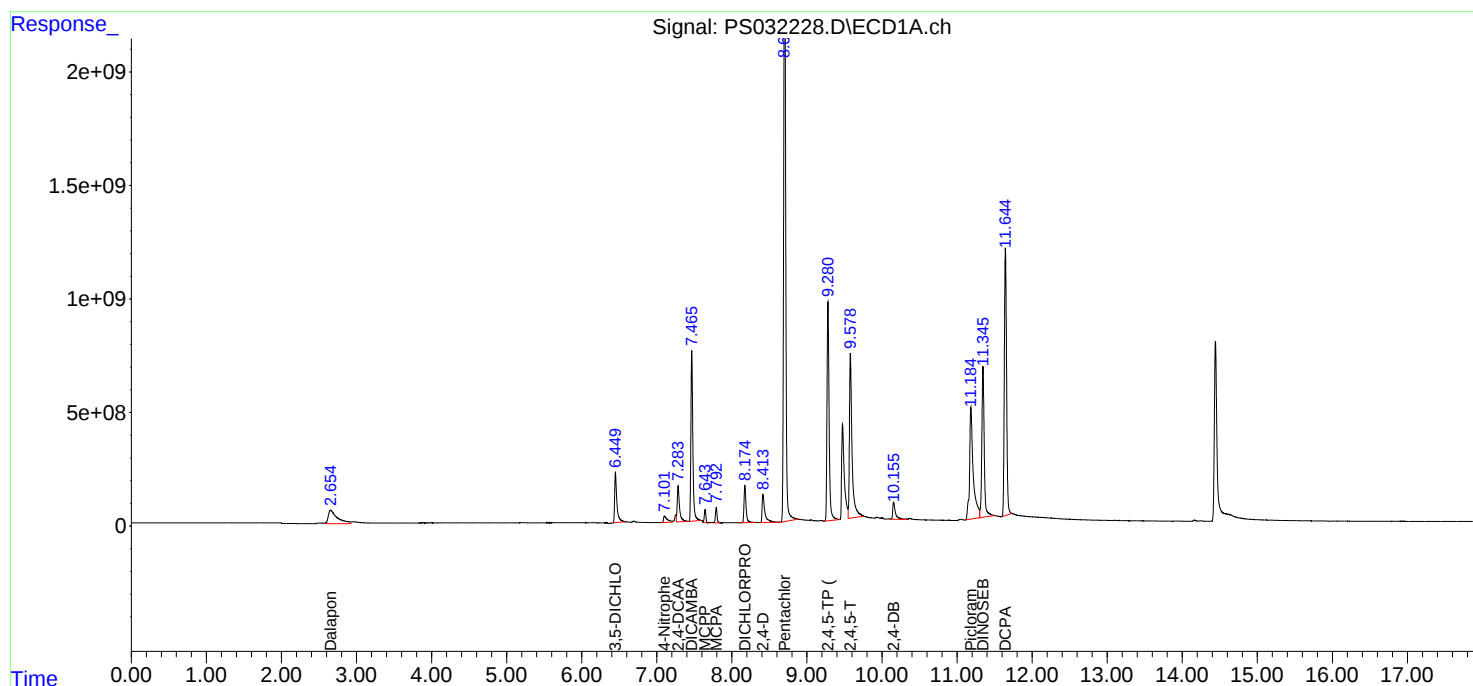
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS110325\
Data File : PS032228.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Nov 2025 10:28
Operator : AR\AJ
Sample : HSTDICC750
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 03 10:55:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110325.M
Quant Title : 8080.M
QLast Update : Mon Nov 03 10:53:30 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS110325\
 Data File : PS032229.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 03 Nov 2025 10:52
 Operator : AR\AJ
 Sample : HSTDICC1000
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 HSTDICC1000

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 03 11:17:08 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110325.M
 Quant Title : 8080.M
 QLast Update : Mon Nov 03 11:16:51 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
4) S	2,4-DCAA	7.283	7.616	4190.2E6	3472.6E6	903.284	940.429
Target Compounds							
1) T	Dalapon	2.656	2.602	6210.6E6	6022.7E6	850.725	853.209
2) T	3,5-DICHL...	6.449	6.583	5633.8E6	5191.8E6	849.611	841.969
3) T	4-Nitroph...	7.097	7.175	1248.6E6	2135.6E6	945.335	971.134
5) T	DICAMBA	7.465	7.808	16786.0E6	15343.3E6	869.694	867.949
6) T	MCPD	7.645	7.906	1080.3E6	1263.3E6	102.057	96.010
7) T	MCPA	7.794	8.152	1288.7E6	1484.9E6	97.842	91.633
8) T	DICHLORPROP	8.173	8.521	3810.5E6	4135.8E6	830.973	844.312
9) T	2,4-D	8.411	8.861	3903.6E6	4617.2E6	840.779	859.321
10) T	Pentachlo...	8.710	9.357	51965.4E6	49727.7E6	765.283	785.431
11) T	2,4,5-TP ...	9.280	9.743	23125.9E6	23645.5E6	864.969	851.906
12) T	2,4,5-T	9.577	10.170	21714.3E6	21664.0E6	893.144	895.493
13) T	2,4-DB	10.153	10.735	2485.0E6	3509.0E6	947.357	921.523
14) T	DINOSEB	11.345	11.105	18021.1E6	15536.2E6	838.520	854.935
15) T	Picloram	11.180	12.219	21581.6E6	33749.5E6	1041.582	880.155
16) T	DCPA	11.646	12.139	29674.3E6	27812.7E6	855.170	837.478

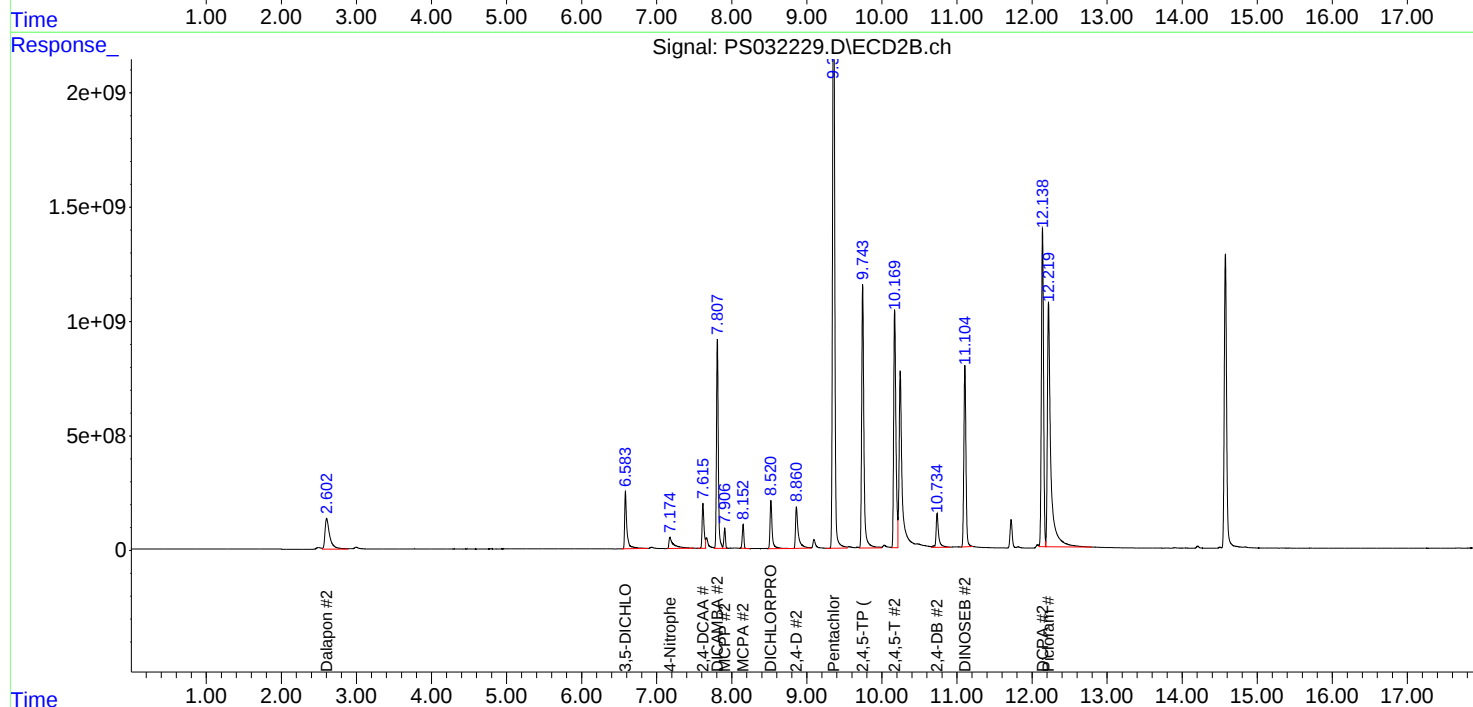
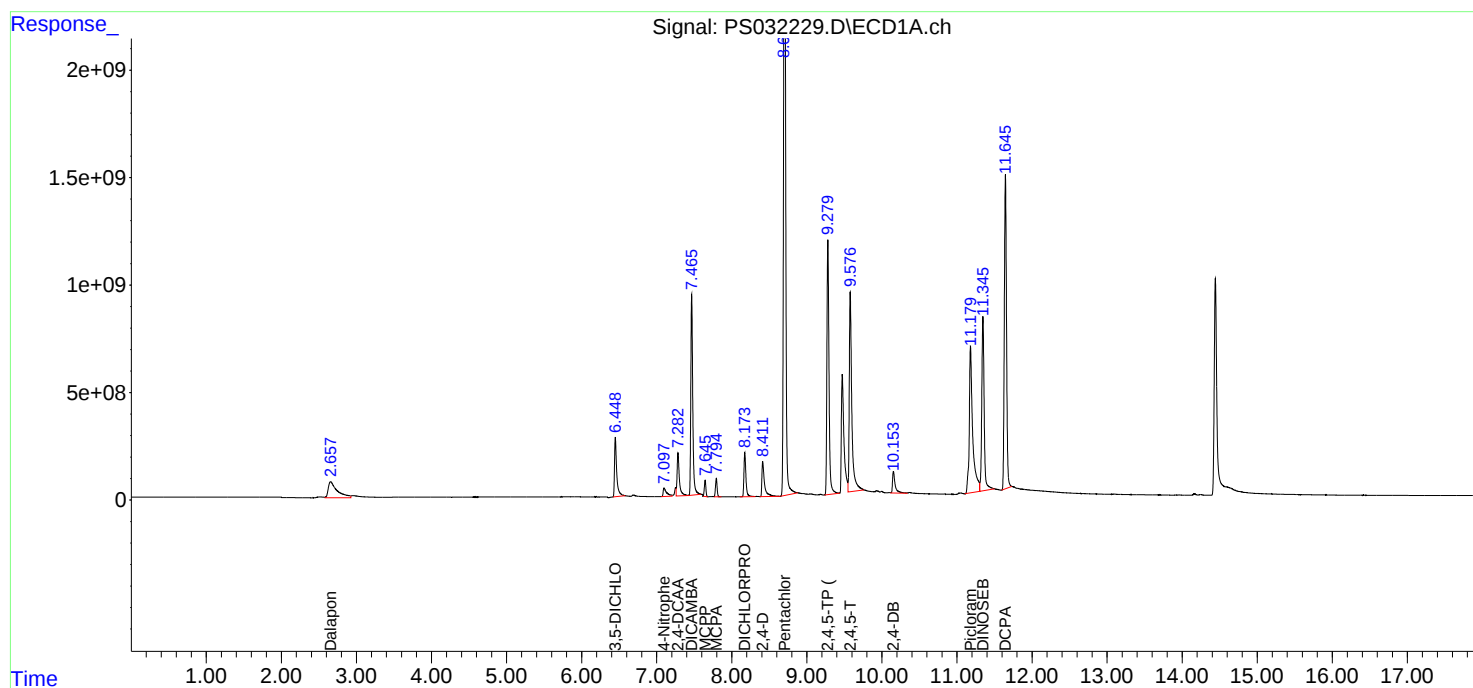
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS110325\
Data File : PS032229.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Nov 2025 10:52
Operator : AR\AJ
Sample : HSTDICC1000
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 03 11:17:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110325.M
Quant Title : 8080.M
QLast Update : Mon Nov 03 11:16:51 2025
Response via : Initial Calibration
Integrator: ChemStation

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



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

Instrument :
 ECD_S
 ClientSampleId :
 HSTDICC1500

Manual Integrations
 APPROVED

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

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 03 11:43:22 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110325.M
 Quant Title : 8080.M
 QLast Update : Mon Nov 03 11:42:45 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

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

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

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

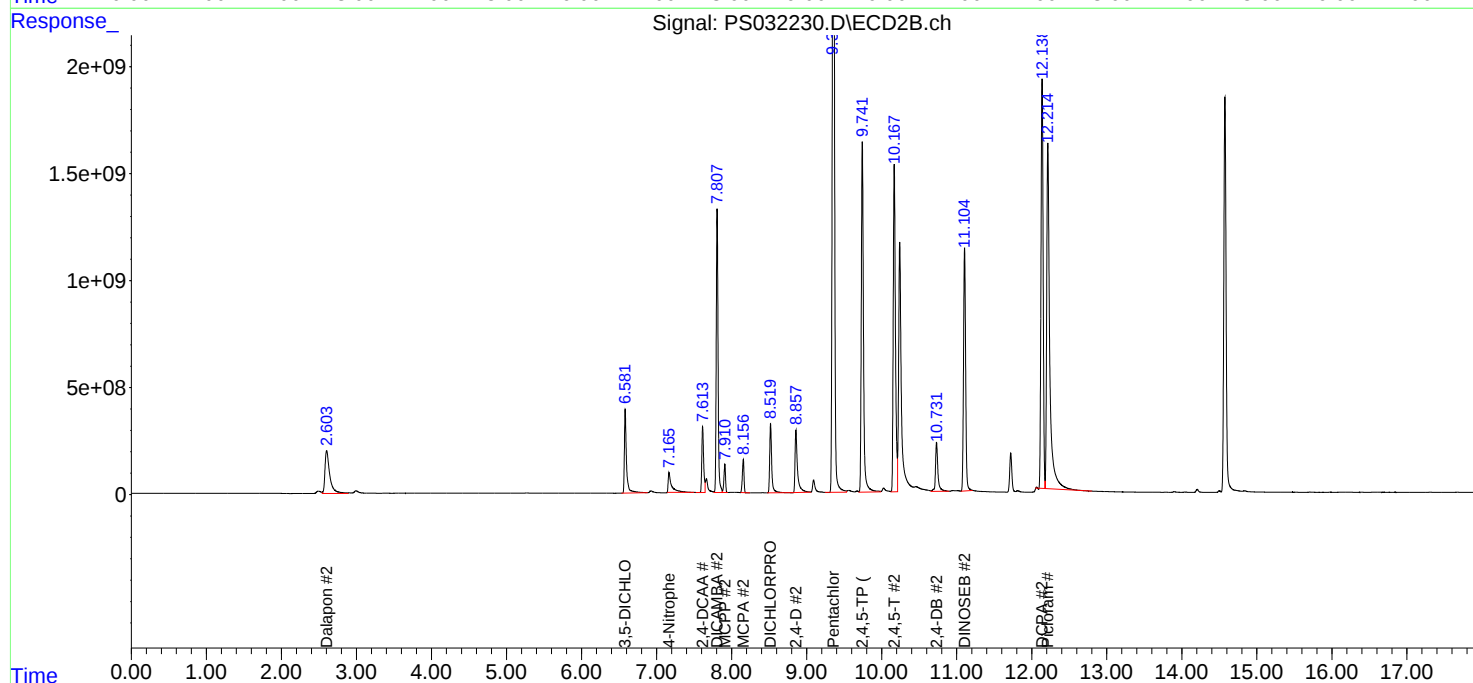
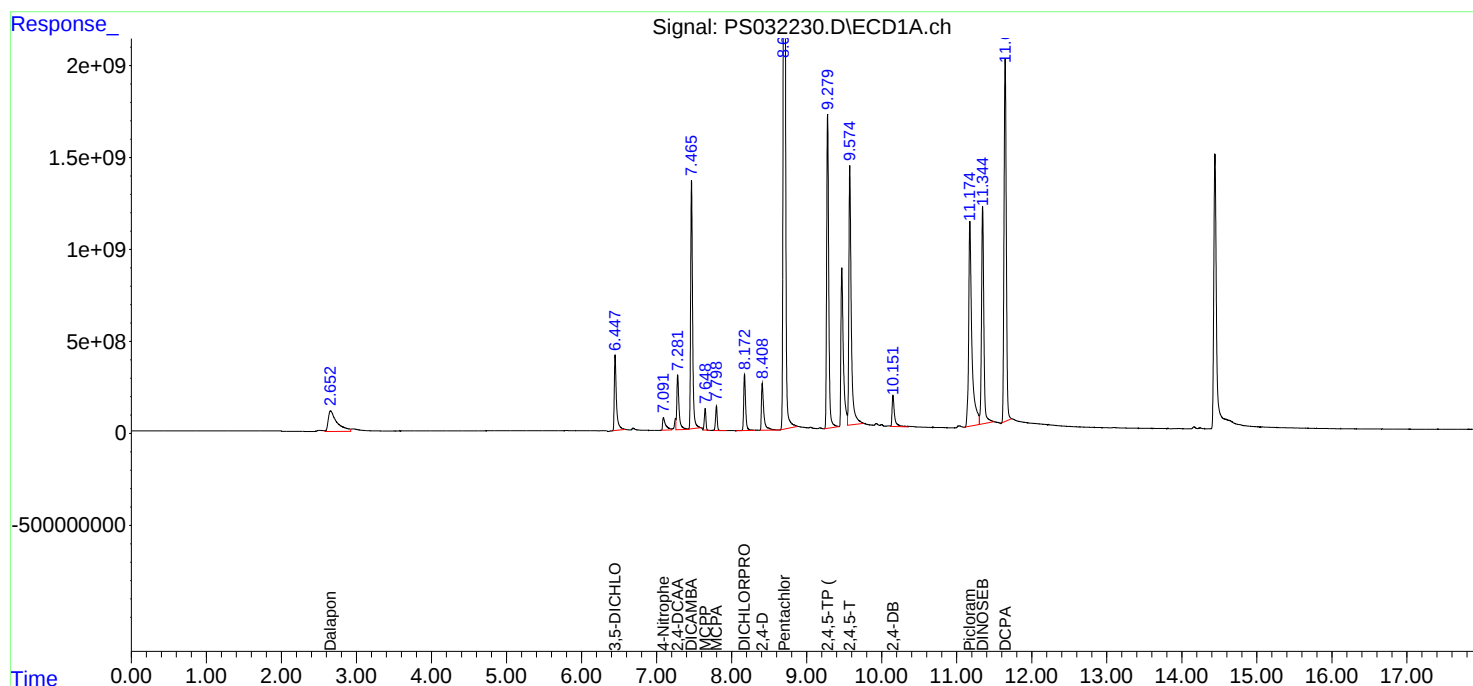
Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

Manual Integrations
APPROVED

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

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 03 11:43:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110325.M
Quant Title : 8080.M
QLast Update : Mon Nov 03 11:42:45 2025
Response via : Initial Calibration
Integrator: ChemStation

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



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

Instrument :
 ECD_S
 ClientSampleId :
 ICVPS110325

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

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

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

System Monitoring Compounds							
4) S	2,4-DCAA	7.286	7.616	3432.7E6	2806.6E6	757.554	769.869
Target Compounds							
1) T	Dalapon	2.656	2.599	5081.3E6	4849.7E6	707.821	697.398
2) T	3,5-DICHL...	6.451	6.584	4593.9E6	4286.0E6	710.440	713.274
3) T	4-Nitroph...	7.103	7.182	973.3E6	1705.9E6	725.046	751.543
5) T	DICAMBA	7.468	7.807	13656.4E6	12625.4E6	723.856	730.956
6) T	MCPD	7.646	7.905	811.2E6	999.6E6	74.486	75.150
7) T	MCPA	7.795	8.149	988.5E6	1208.9E6	73.630	74.144
8) T	DICHLORPROP	8.177	8.521	3094.2E6	3424.1E6	695.524	717.961
9) T	2,4-D	8.416	8.863	3236.7E6	3801.8E6	717.385	724.752
10) T	Pentachlo...	8.710	9.356	47244.8E6	44534.3E6	753.036	758.641
11) T	2,4,5-TP ...	9.283	9.744	18925.2E6	19659.7E6	727.567	732.097
12) T	2,4,5-T	9.582	10.171	17553.4E6	17693.3E6	736.355	745.984
13) T	2,4-DB	10.159	10.737	1946.2E6	2756.4E6	738.571	730.890
14) T	DINOSEB	11.348	11.105	14890.0E6	12738.6E6	715.604	720.206
15) T	Picloram	11.187	12.223	16941.7E6	28138.8E6	798.176	756.783
16) T	DCPA	11.648	12.139	24590.8E6	23503.0E6	732.913	737.682

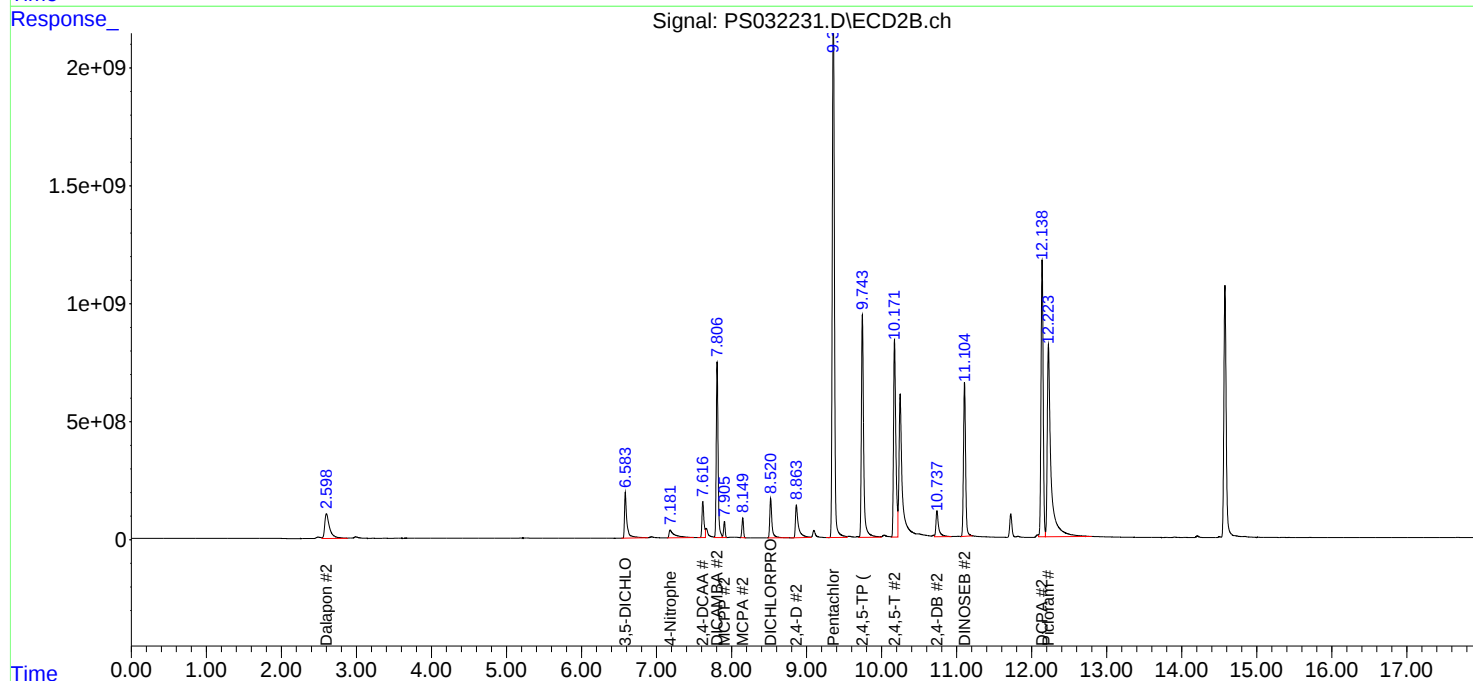
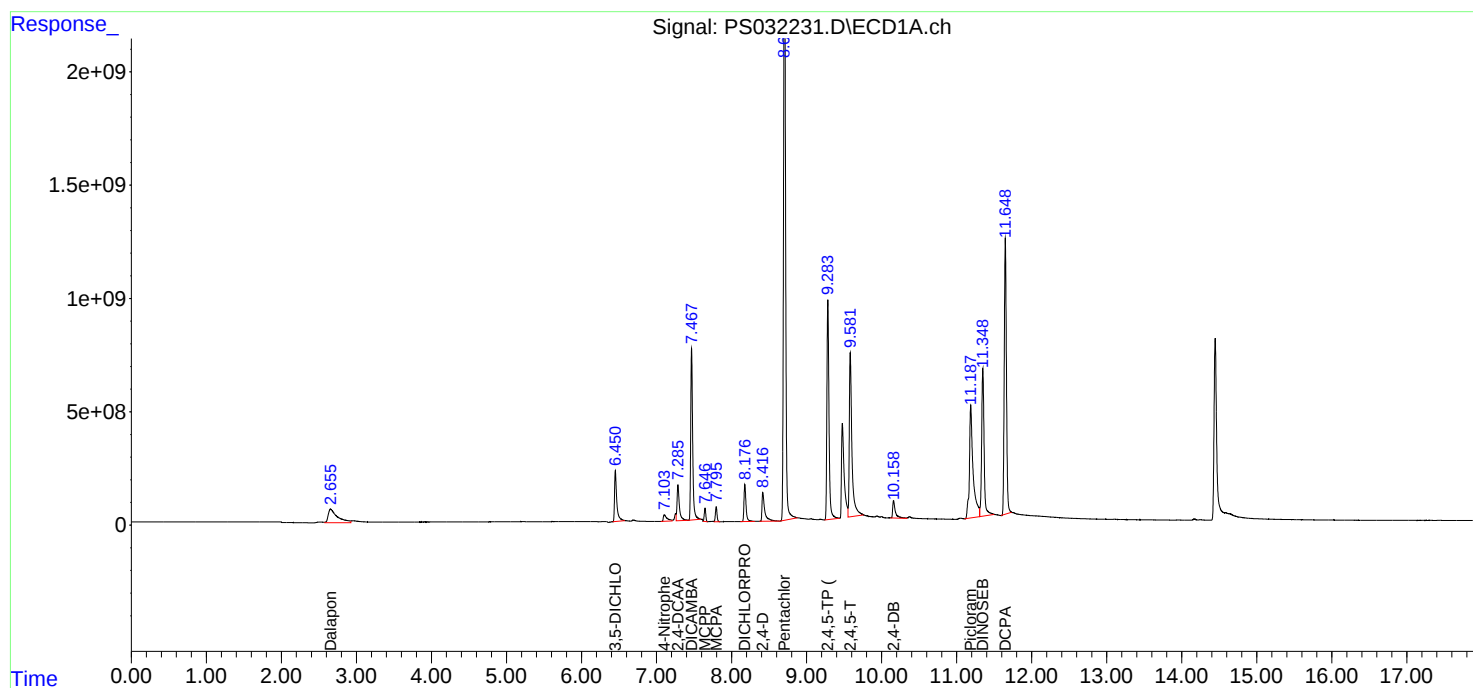
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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

Instrument :
ECD_S
ClientSampleId :
ICVPS110325

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

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





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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: ARAM01

Lab Code: ACE

SDG NO.: Q3368

Continuing Calib Date: 11/04/2025

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

Continuing Calib Time: 09:55

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

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

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



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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: ARAM01

Lab Code: ACE

SDG NO.: Q3368

Continuing Calib Date: 11/04/2025

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

Continuing Calib Time: 09:55

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

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

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



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ARAM01
Lab Code: ACE **SDG NO.:** Q3368
GC Column: RTX-CLP **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 11/03/2025 11/03/2025

Client Sample No.: CCAL01 **Date Analyzed:** 11/04/2025
Lab Sample No.: HSTDCCC750 **Data File :** PS032267.D **Time Analyzed:** 09:55

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-TP(Silvex)	9.277	9.180	9.380	732.160	712.500	2.8
2,4-D	8.410	8.314	8.514	716.400	705.000	1.6
2,4-DCAA	7.282	7.183	7.383	764.650	750.000	2.0



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ARAM01
Lab Code: ACE **SDG NO.:** Q3368
GC Column: RTX-CLP2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 11/03/2025 11/03/2025

Client Sample No.: CCAL01 **Date Analyzed:** 11/04/2025
Lab Sample No.: HSTDCCC750 **Data File :** PS032267.D **Time Analyzed:** 09:55

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-TP(Silvex)	9.743	9.644	9.844	743.530	712.500	4.4
2,4-D	8.861	8.764	8.964	745.930	705.000	5.8
2,4-DCAA	7.615	7.517	7.717	790.290	750.000	5.4

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS110425\
 Data File : PS032267.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 04 Nov 2025 09:55
 Operator : AR\AJ
 Sample : HSTDCCC750
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 HSTDCCC750

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 05 00:24:36 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110325.M
 Quant Title : 8080.M
 QLast Update : Tue Nov 04 04:59:50 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
4) S	2,4-DCAA	7.282	7.615	3464.8E6	2881.0E6	764.651	790.295
Target Compounds							
1) T	Dalapon	2.655	2.603	4910.4E6	4918.3E6	684.012	707.259
2) T	3,5-DICHL...	6.448	6.584	4653.8E6	4413.3E6	719.713	734.450
3) T	4-Nitroph...	7.100	7.180	1016.3E6	1754.6E6	757.027	772.993
5) T	DICAMBA	7.464	7.807	13706.7E6	12942.8E6	726.525	749.333
6) T	MCPD	7.642	7.905	828.0E6	1039.6E6	76.029	78.162
7) T	MCPA	7.791	8.150	1014.0E6	1231.4E6	75.526	75.529
8) T	DICHLORPROP	8.172	8.520	3126.6E6	3505.2E6	702.806	734.968
9) T	2,4-D	8.410	8.861	3232.3E6	3912.9E6	716.398	745.931
10) T	Pentachlo...	8.702	9.357	47378.5E6	45346.3E6	755.167	772.475
11) T	2,4,5-TP ...	9.277	9.743	19044.7E6	19966.6E6	732.164	743.528
12) T	2,4,5-T	9.576	10.169	17953.9E6	18159.4E6	753.158	765.637
13) T	2,4-DB	10.152	10.735	2037.2E6	2827.8E6	773.086	749.807
14) T	DINOSEB	11.343	11.104	14845.1E6	12994.5E6	713.444	734.677
15) T	Picloram	11.180	12.221	17173.6E6	26920.7E6	809.099	724.022
16) T	DCPA	11.643	12.138	24721.4E6	23773.2E6	736.806	746.166

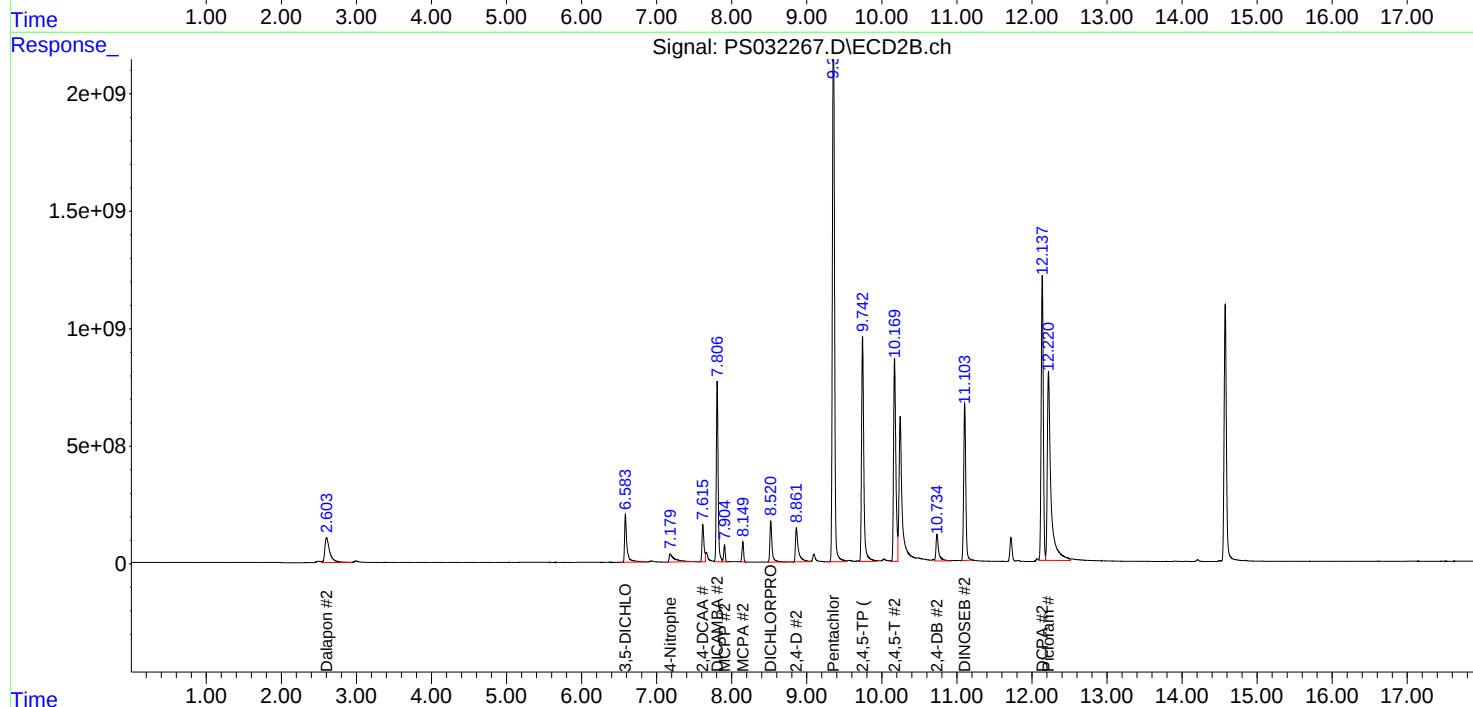
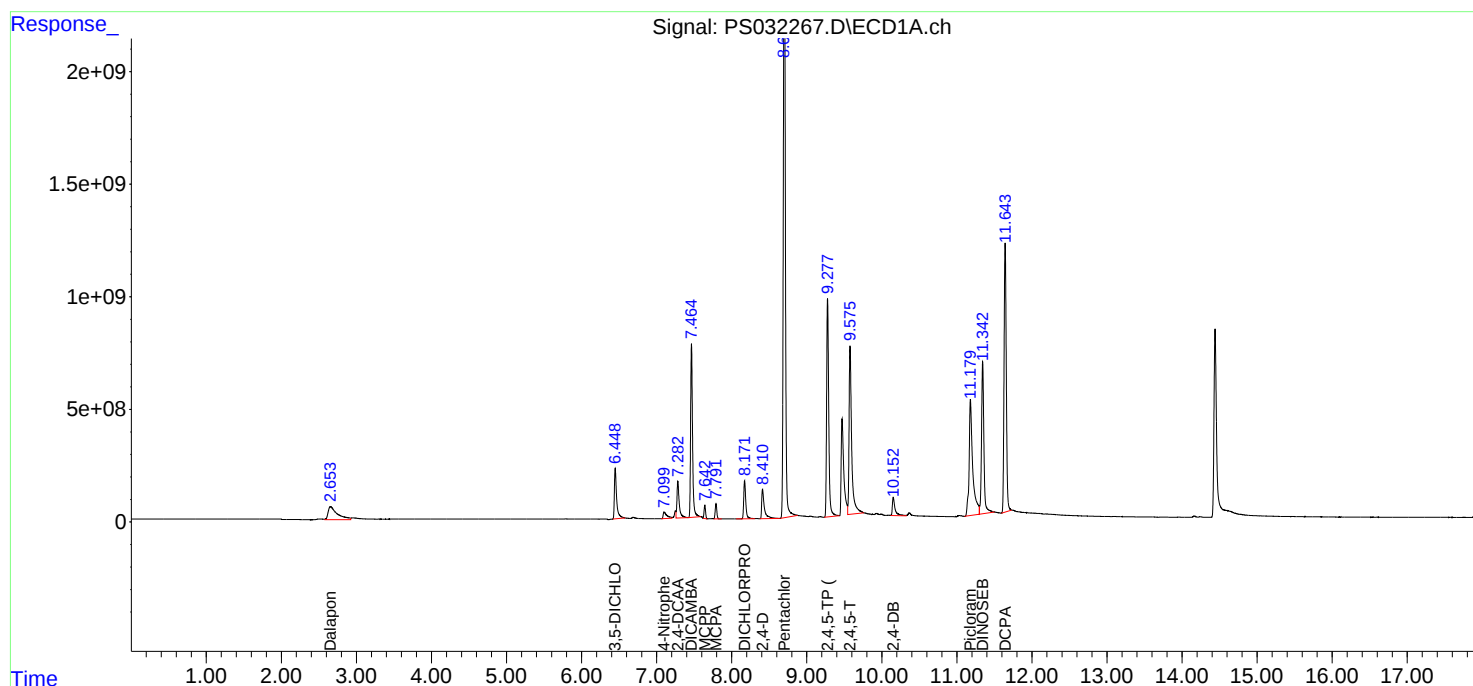
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS110425\
Data File : PS032267.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Nov 2025 09:55
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 05 00:24:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110325.M
Quant Title : 8080.M
QLast Update : Tue Nov 04 04:59:50 2025
Response via : Initial Calibration
Integrator: ChemStation

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





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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: ARAM01

Lab Code: ACE

SDG NO.: Q3368

Continuing Calib Date: 11/04/2025

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

Continuing Calib Time: 14:42

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

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
2,4-DCAA	7.28	7.28	7.18	7.38	0.00
2,4-D	8.40	8.41	8.31	8.51	0.01
2,4,5-TP(Silvex)	9.28	9.28	9.18	9.38	0.00



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: ARAM01

Lab Code: ACE

SDG NO.: Q3368

Continuing Calib Date: 11/04/2025

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

Continuing Calib Time: 14:42

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

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
2,4-DCAA	7.61	7.62	7.52	7.72	0.01
2,4-D	8.85	8.86	8.76	8.96	0.01
2,4,5-TP(Silvex)	9.74	9.74	9.64	9.84	0.00



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance Contract: ARAM01
Lab Code: ACE SDG NO.: Q3368
GC Column: RTX-CLP ID: 0.32 (mm) Initi. Calib. Date(s): 11/03/2025 11/03/2025

Client Sample No.: CCAL02 Date Analyzed: 11/04/2025
Lab Sample No.: HSTDCCC750 Data File : PS032276.D Time Analyzed: 14:42

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
2,4,5-TP(Silvex)	9.277	9.180	9.380	740.370	712.500	3.9
2,4-D	8.404	8.314	8.514	760.980	705.000	7.9
2,4-DCAA	7.279	7.183	7.383	741.020	750.000	-1.2



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ARAM01
Lab Code: ACE **SDG NO.:** Q3368
GC Column: RTX-CLP2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 11/03/2025 11/03/2025

Client Sample No.: CCAL02 **Date Analyzed:** 11/04/2025
Lab Sample No.: HSTDCCC750 **Data File :** PS032276.D **Time Analyzed:** 14:42

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
2,4,5-TP(Silvex)	9.739	9.644	9.844	693.660	712.500	-2.6
2,4-D	8.853	8.764	8.964	707.590	705.000	0.4
2,4-DCAA	7.610	7.517	7.717	810.890	750.000	8.1

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS110425\
 Data File : PS032276.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 04 Nov 2025 14:42
 Operator : AR\AJ
 Sample : HSTDCCC750
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 HSTDCCC750

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 11/05/2025
 Supervised By :Yogesh Patel 11/05/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 05 00:26:47 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110325.M
 Quant Title : 8080.M
 QLast Update : Tue Nov 04 04:59:50 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
4) S	2,4-DCAA	7.279	7.610	3357.8E6	2956.1E6	741.018m	810.887
Target Compounds							
1) T	Dalapon	2.657	2.599	4991.4E6	4751.1E6	695.299	683.214
2) T	3,5-DICHL...	6.446	6.577	4685.3E6	4121.0E6	724.580	685.806
3) T	4-Nitroph...	7.084	7.160	1062.0E6	1593.9E6	791.086m	702.182m
5) T	DICAMBA	7.463	7.804	13727.1E6	12207.7E6	727.606	706.773
6) T	MCPD	7.644	7.903	834.8E6	956.2E6	76.652	71.891
7) T	MCPA	7.792	8.147	1012.3E6	1151.7E6	75.403	70.639
8) T	DICHLORPROP	8.170	8.516	3128.3E6	3350.0E6	703.193	702.428
9) T	2,4-D	8.404	8.853	3433.4E6	3711.8E6	760.978	707.593
10) T	Pentachlo...	8.703	9.354	47610.7E6	43155.0E6	758.868	735.145
11) T	2,4,5-TP ...	9.277	9.739	19258.1E6	18627.5E6	740.369	693.659
12) T	2,4,5-T	9.573	10.165	17753.7E6	18041.6E6	744.757	760.670
13) T	2,4-DB	10.147	10.728	2191.6E6	2805.0E6	831.693m	743.759
14) T	DINOSEB	11.345	11.102	14447.3E6	12366.6E6	694.329	699.176
15) T	Picloram	11.171	12.213	18660.9E6	24918.7E6	879.173m	670.181
16) T	DCPA	11.645	12.136	24834.0E6	22867.4E6	740.164	717.735m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS110425\
Data File : PS032276.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Nov 2025 14:42
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

HSTDCCC750

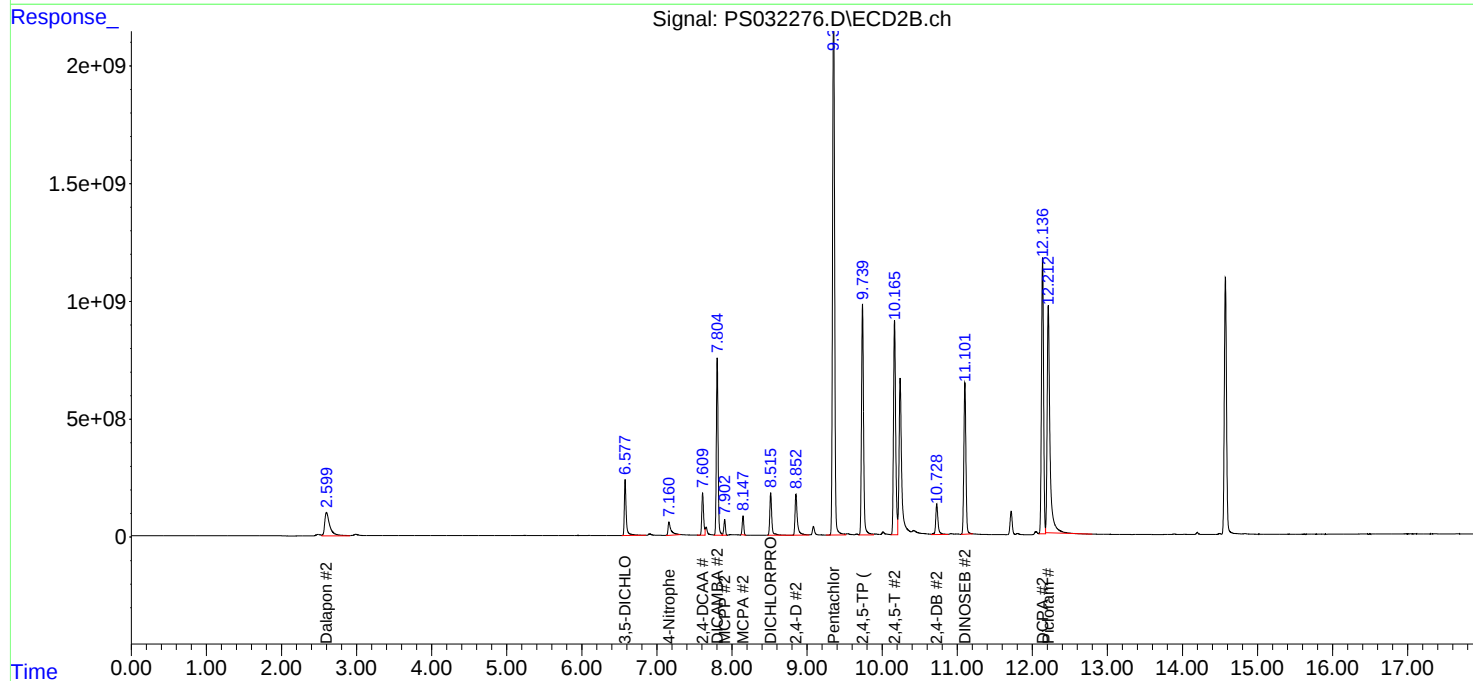
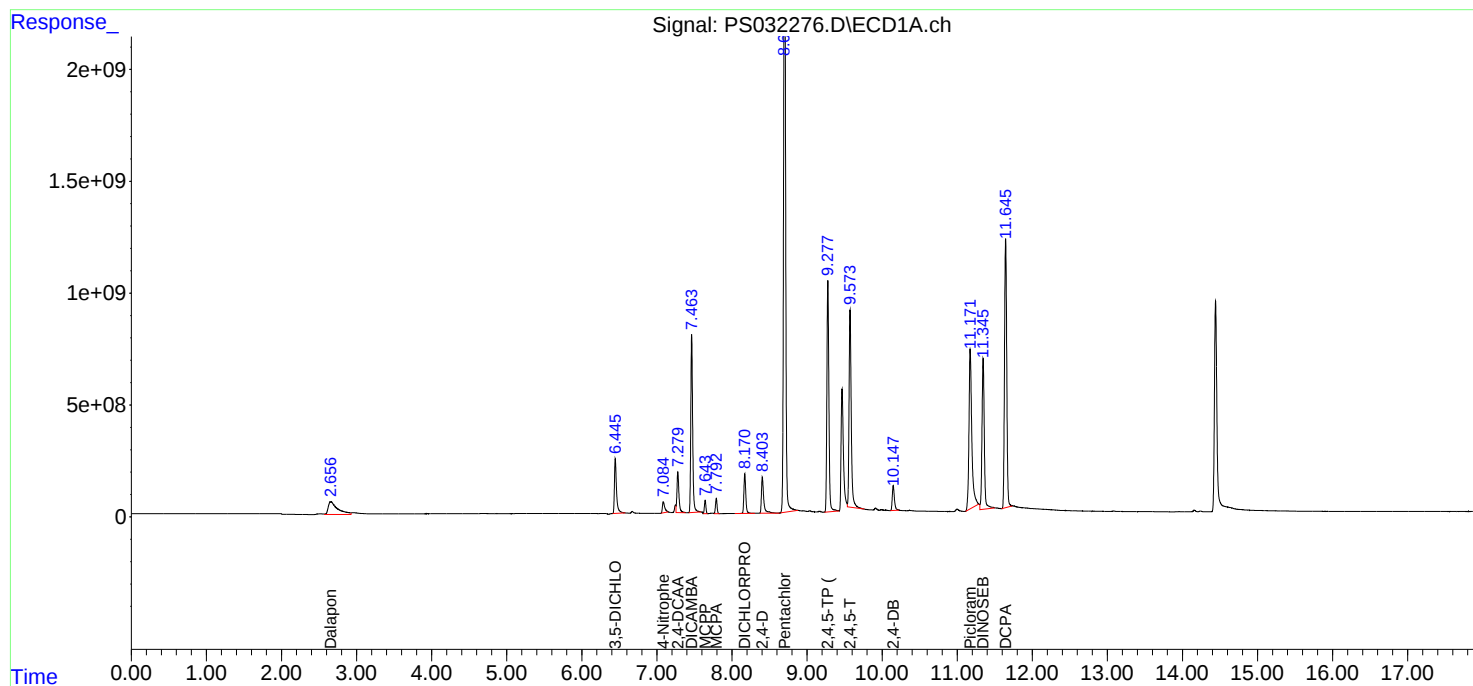
Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 11/05/2025
Supervised By :Yogesh Patel 11/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 05 00:26:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110325.M
Quant Title : 8080.M
QLast Update : Tue Nov 04 04:59:50 2025
Response via : Initial Calibration
Integrator: ChemStation

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





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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: ARAM01

Lab Code: ACE

SDG NO.: Q3368

Continuing Calib Date: 11/06/2025

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

Continuing Calib Time: 11:39

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

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

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



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: ARAM01

Lab Code: ACE

SDG NO.: Q3368

Continuing Calib Date: 11/06/2025

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

Continuing Calib Time: 11:39

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

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
2,4-DCAA	7.61	7.62	7.52	7.72	0.01
2,4-D	8.86	8.86	8.76	8.96	0.01
2,4,5-TP(Silvex)	9.74	9.74	9.64	9.84	0.00



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ARAM01
Lab Code: ACE **SDG NO.:** Q3368
GC Column: RTX-CLP **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 11/03/2025 11/03/2025

Client Sample No.: CCAL03 **Date Analyzed:** 11/06/2025
Lab Sample No.: HSTDCCC750 **Data File :** PS032279.D **Time Analyzed:** 11:39

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
2,4,5-TP(Silvex)	9.278	9.180	9.380	677.735	712.500	-4.9
2,4-D	8.408	8.314	8.514	680.697	705.000	-3.4
2,4-DCAA	7.280	7.183	7.383	716.394	750.000	-4.5



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance Contract: ARAM01
Lab Code: ACE SDG NO.: Q3368
GC Column: RTX-CLP2 ID: 0.32 (mm) Initi. Calib. Date(s): 11/03/2025 11/03/2025

Client Sample No.: CCAL03 Date Analyzed: 11/06/2025
Lab Sample No.: HSTDCCC750 Data File : PS032279.D Time Analyzed: 11:39

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-TP(Silvex)	9.739	9.644	9.844	652.874	712.500	-8.4
2,4-D	8.855	8.764	8.964	665.608	705.000	-5.6
2,4-DCAA	7.610	7.517	7.717	732.155	750.000	-2.4

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS110625\
 Data File : PS032279.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 06 Nov 2025 11:39
 Operator : AR\AJ
 Sample : HSTDCCC750
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

HSTDCCC750

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 11/07/2025

Supervised By :Yogesh Patel 11/07/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 07 01:05:35 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110325.M
 Quant Title : 8080.M
 QLast Update : Tue Nov 04 04:59:50 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
4) S	2,4-DCAA	7.280	7.610	3246.2E6	2669.1E6	716.394	732.155
Target Compounds							
1) T	Dalapon	2.656	2.598	4623.8E6	4358.1E6	644.099	626.706
2) T	3,5-DICHL...	6.447	6.577	4336.9E6	3860.1E6	670.696	642.396
3) T	4-Nitroph...	7.091	7.166	963.6E6	1469.4E6	717.790m	647.338
5) T	DICAMBA	7.465	7.803	12603.0E6	11351.6E6	668.022	657.208
6) T	MCPD	7.643	7.901	746.7E6	907.6E6	68.569	68.239
7) T	MCPA	7.792	8.146	905.4E6	1027.9E6	67.437	63.045
8) T	DICHLORPROP	8.172	8.516	2808.4E6	3073.9E6	631.283	644.545
9) T	2,4-D	8.408	8.855	3071.2E6	3491.6E6	680.697	665.608
10) T	Pentachlo...	8.706	9.353	45098.6E6	41004.7E6	718.827	698.515
11) T	2,4,5-TP ...	9.278	9.739	17628.9E6	17532.2E6	677.735	652.874
12) T	2,4,5-T	9.576	10.165	16807.8E6	16645.3E6	705.079	701.801
13) T	2,4-DB	10.151	10.730	1995.8E6	2607.5E6	757.387	691.403
14) T	DINOSEB	11.346	11.101	13530.2E6	11594.6E6	650.254	655.531
15) T	Picloram	11.178	12.216	17237.2E6	23581.6E6	812.095	634.219
16) T	DCPA	11.646	12.136	22818.3E6	21229.1E6	680.087	666.313m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS110625\
Data File : PS032279.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Nov 2025 11:39
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

HSTDCCC750

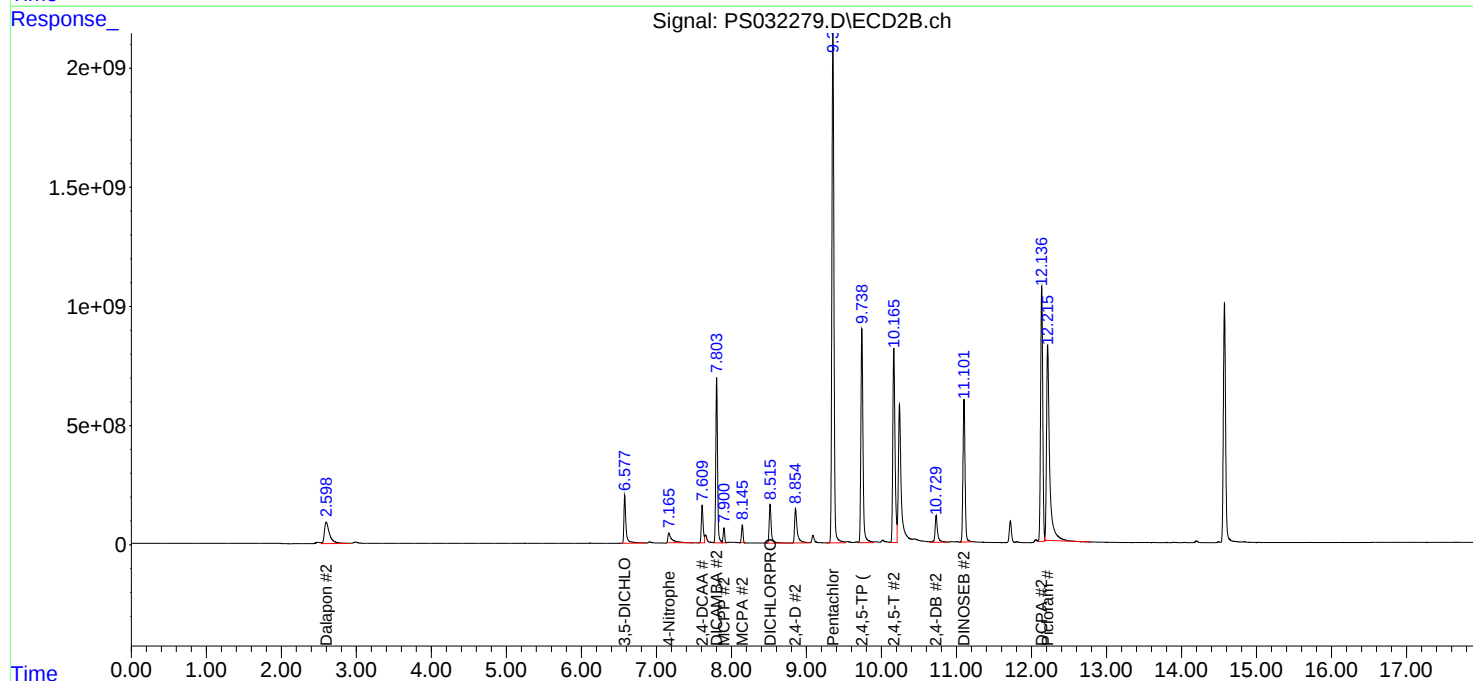
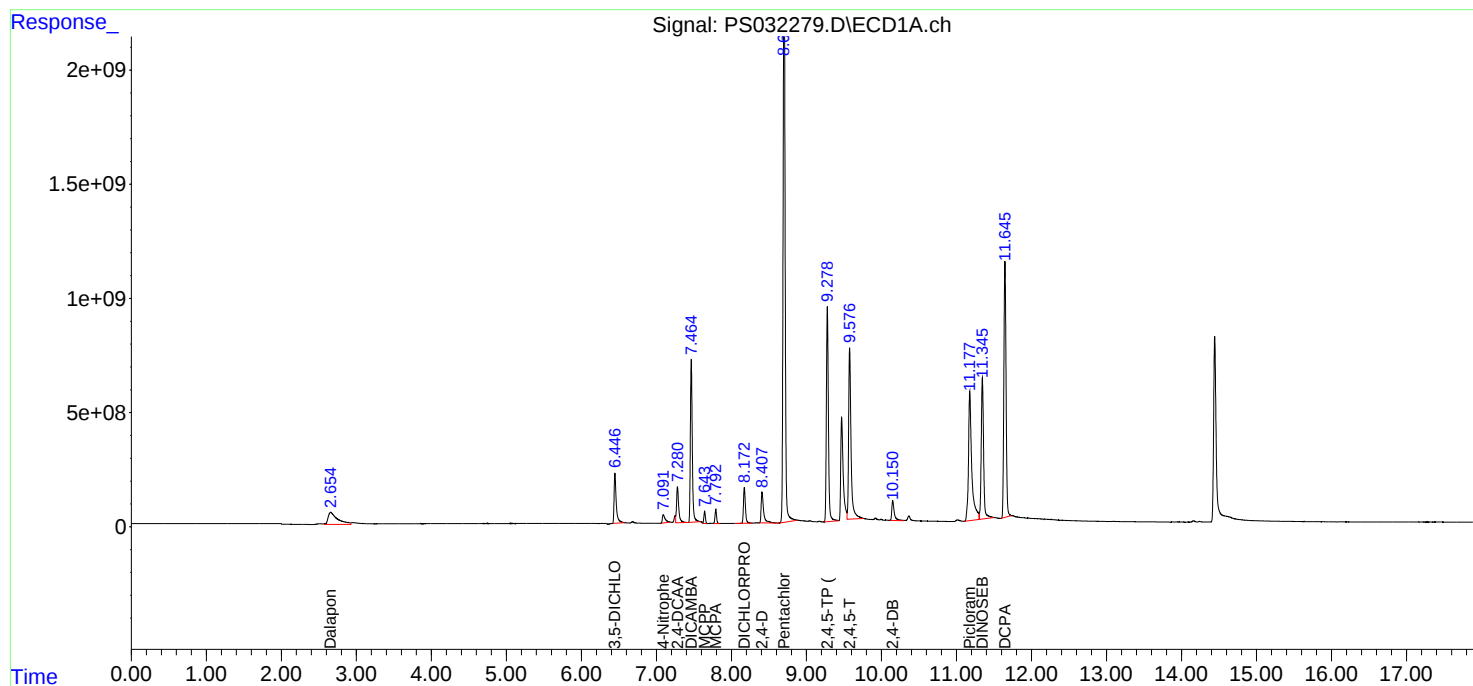
Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 11/07/2025
Supervised By :Yogesh Patel 11/07/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 07 01:05:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110325.M
Quant Title : 8080.M
QLast Update : Tue Nov 04 04:59:50 2025
Response via : Initial Calibration
Integrator: ChemStation

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





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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: ARAM01

Lab Code: ACE

SDG NO.: Q3368

Continuing Calib Date: 11/06/2025

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

Continuing Calib Time: 15:23

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

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
2,4-DCAA	7.28	7.28	7.18	7.38	0.00
2,4-D	8.41	8.41	8.31	8.51	0.00
2,4,5-TP(Silvex)	9.28	9.28	9.18	9.38	0.01



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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: ARAM01

Lab Code: ACE

SDG NO.: Q3368

Continuing Calib Date: 11/06/2025

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

Continuing Calib Time: 15:23

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

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
2,4-DCAA	7.61	7.62	7.52	7.72	0.01
2,4-D	8.86	8.86	8.76	8.96	0.00
2,4,5-TP(Silvex)	9.74	9.74	9.64	9.84	0.00



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ARAM01
Lab Code: ACE **SDG NO.:** Q3368
GC Column: RTX-CLP **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 11/03/2025 11/03/2025

Client Sample No.: CCAL04 **Date Analyzed:** 11/06/2025
Lab Sample No.: HSTDCCC750 **Data File :** PS032288.D **Time Analyzed:** 15:23

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-TP(Silvex)	9.275	9.180	9.380	666.437	712.500	-6.5
2,4-D	8.407	8.314	8.514	666.769	705.000	-5.4
2,4-DCAA	7.280	7.183	7.383	700.130	750.000	-6.6



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ARAM01
Lab Code: ACE **SDG NO.:** Q3368
GC Column: RTX-CLP2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 11/03/2025 11/03/2025

Client Sample No.: CCAL04 **Date Analyzed:** 11/06/2025
Lab Sample No.: HSTDCCC750 **Data File :** PS032288.D **Time Analyzed:** 15:23

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-TP(Silvex)	9.741	9.644	9.844	655.916	712.500	-7.9
2,4-D	8.858	8.764	8.964	660.388	705.000	-6.3
2,4-DCAA	7.613	7.517	7.717	726.288	750.000	-3.2

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS110625\
 Data File : PS032288.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 06 Nov 2025 15:23
 Operator : AR\AJ
 Sample : HSTDCCC750
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 HSTDCCC750

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 11/07/2025
 Supervised By :Yogesh Patel 11/07/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 07 01:07:04 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110325.M
 Quant Title : 8080.M
 QLast Update : Tue Nov 04 04:59:50 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
4) S	2,4-DCAA	7.280	7.613	3172.5E6	2647.7E6	700.130	726.288
Target Compounds							
1) T	Dalapon	2.656	2.604	4396.0E6	4357.8E6	612.359	626.660
2) T	3,5-DICHL...	6.447	6.581	4230.5E6	3916.8E6	654.255	651.829
3) T	4-Nitroph...	7.093	7.172	1043.8E6	1601.4E6	777.513	705.467
5) T	DICAMBA	7.463	7.805	12355.3E6	11407.2E6	654.893	660.427
6) T	MCPD	7.640	7.902	721.4E6	890.9E6	66.240	66.977
7) T	MCPA	7.789	8.147	901.0E6	1040.3E6	67.113	63.806
8) T	DICHLORPROP	8.169	8.518	2830.3E6	3106.8E6	636.209	651.431
9) T	2,4-D	8.407	8.858	3008.3E6	3464.2E6	666.769	660.388
10) T	Pentachlo...	8.703	9.354	44875.3E6	41271.7E6	715.268	703.063
11) T	2,4,5-TP ...	9.275	9.741	17335.1E6	17613.9E6	666.437	655.916
12) T	2,4,5-T	9.573	10.168	16418.4E6	16428.0E6	688.742	692.637
13) T	2,4-DB	10.150	10.732	1935.5E6	2512.5E6	734.489	666.207
14) T	DINOSEB	11.342	11.102	13332.2E6	11570.1E6	640.738	654.146
15) T	Picloram	11.177	12.220	14865.7E6	21258.4E6	700.366	571.739
16) T	DCPA	11.641	12.136	22565.1E6	21181.5E6	672.540	664.818m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS110625\
Data File : PS032288.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Nov 2025 15:23
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

HSTDCCC750

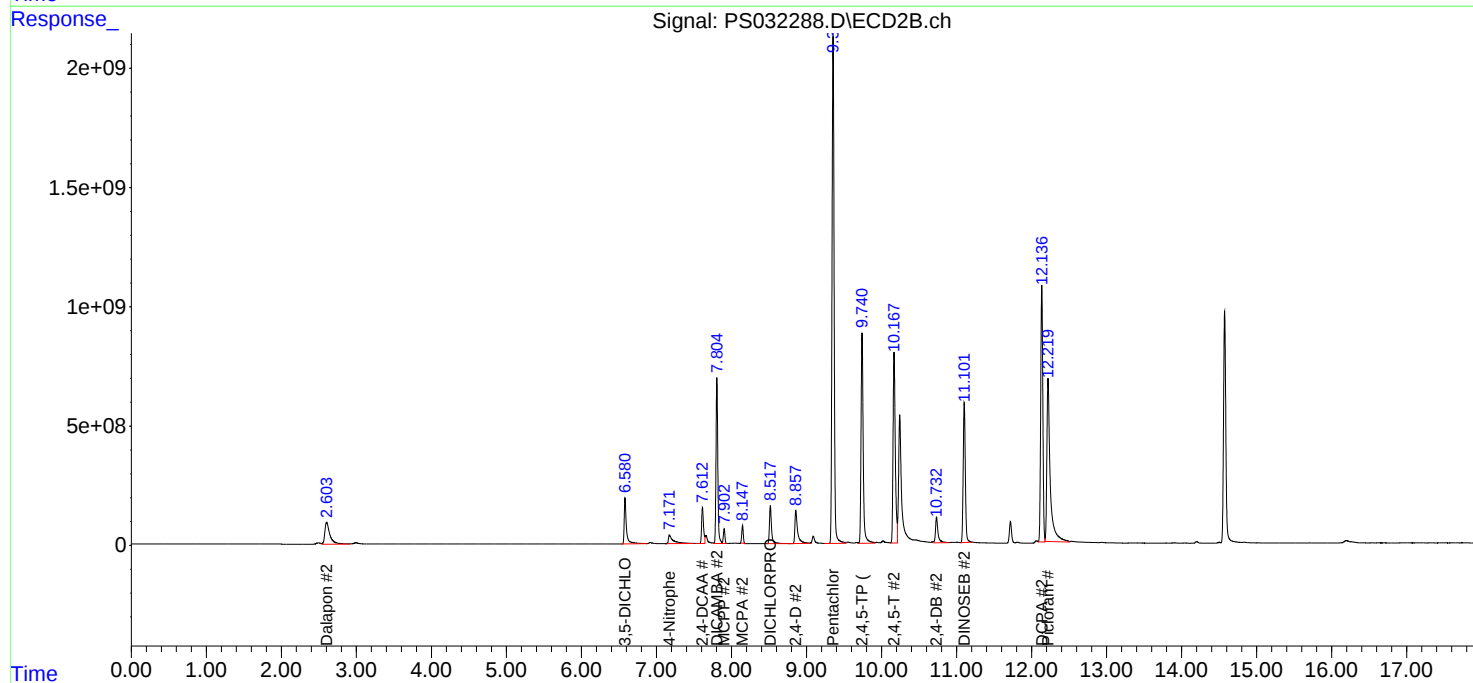
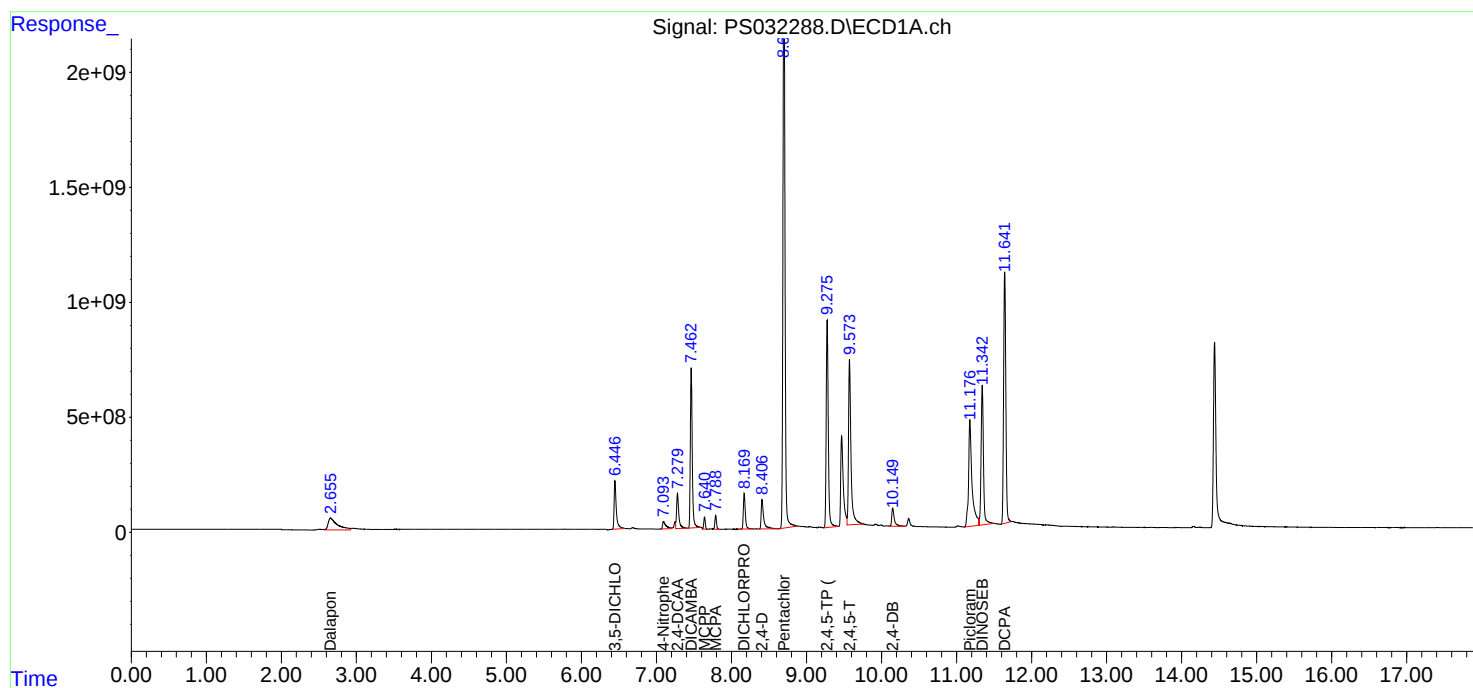
Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 11/07/2025
Supervised By :Yogesh Patel 11/07/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 07 01:07:04 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110325.M
Quant Title : 8080.M
QLast Update : Tue Nov 04 04:59:50 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Analytical Sequence

Client: Aramark Uniforms

SDG No.: Q3368

Project: Monthly 2025

Instrument ID: ECD_S

GC Column: RTX-CLP

ID: 0.32 (mm)

Inst. Calib. Date(s): 11/03/2025 11/03/2025

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

CLIENT ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCAA RT #	RT #
IBLK	IBLK	11/03/2025	09:16	PS032225.D	7.29	0.00
HSTDICC200	HSTDICC200	11/03/2025	09:40	PS032226.D	7.29	0.00
HSTDICC500	HSTDICC500	11/03/2025	10:04	PS032227.D	7.29	0.00
HSTDICC750	HSTDICC750	11/03/2025	10:28	PS032228.D	7.28	0.00
HSTDICC1000	HSTDICC1000	11/03/2025	10:52	PS032229.D	7.28	0.00
HSTDICC1500	HSTDICC1500	11/03/2025	11:17	PS032230.D	7.28	0.00
IBLK	IBLK	11/04/2025	09:31	PS032266.D	7.29	0.00
HSTDCCC750	HSTDCCC750	11/04/2025	09:55	PS032267.D	7.28	0.00
PB170386BS	PB170386BS	11/04/2025	11:23	PS032269.D	7.28	0.00
OUTSIDE-DUMPSTER	Q3368-06	11/04/2025	12:11	PS032271.D	7.28	0.00
OUTSIDE-DUMPSTERMS	Q3368-06MS	11/04/2025	12:35	PS032272.D	7.28	0.00
OUTSIDE-DUMPSTERMSD	Q3368-06MSD	11/04/2025	12:59	PS032273.D	7.28	0.00
PRESS-SLUDGE	Q3368-07	11/04/2025	13:23	PS032274.D	7.28	0.00
IBLK	IBLK	11/04/2025	13:48	PS032275.D	7.28	0.00
HSTDCCC750	HSTDCCC750	11/04/2025	14:42	PS032276.D	7.28	0.00
IBLK	IBLK	11/06/2025	10:35	PS032278.D	7.28	0.00
HSTDCCC750	HSTDCCC750	11/06/2025	11:39	PS032279.D	7.28	0.00
PB170386BL	PB170386BL	11/06/2025	13:23	PS032283.D	7.28	0.00
PB170172TB	PB170172TB	11/06/2025	13:47	PS032284.D	7.28	0.00
IBLK	IBLK	11/06/2025	14:59	PS032287.D	7.28	0.00
HSTDCCC750	HSTDCCC750	11/06/2025	15:23	PS032288.D	7.28	0.00

Analytical Sequence

Client: Aramark Uniforms

SDG No.: Q3368

Project: Monthly 2025

Instrument ID: ECD_S

GC Column: RTX-CLP2

ID: 0.32 (mm)

Inst. Calib. Date(s): 11/03/2025 11/03/2025

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

CLIENT ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCAA RT #	RT #
IBLK	IBLK	11/03/2025	09:16	PS032225.D	7.63	0.00
HSTDICC200	HSTDICC200	11/03/2025	09:40	PS032226.D	7.63	0.00
HSTDICC500	HSTDICC500	11/03/2025	10:04	PS032227.D	7.62	0.00
HSTDICC750	HSTDICC750	11/03/2025	10:28	PS032228.D	7.62	0.00
HSTDICC1000	HSTDICC1000	11/03/2025	10:52	PS032229.D	7.62	0.00
HSTDICC1500	HSTDICC1500	11/03/2025	11:17	PS032230.D	7.61	0.00
IBLK	IBLK	11/04/2025	09:31	PS032266.D	7.63	0.00
HSTDCCC750	HSTDCCC750	11/04/2025	09:55	PS032267.D	7.62	0.00
PB170386BS	PB170386BS	11/04/2025	11:23	PS032269.D	7.62	0.00
OUTSIDE-DUMPSTER	Q3368-06	11/04/2025	12:11	PS032271.D	7.61	0.00
OUTSIDE-DUMPSTERMS	Q3368-06MS	11/04/2025	12:35	PS032272.D	7.61	0.00
OUTSIDE-DUMPSTERMSD	Q3368-06MSD	11/04/2025	12:59	PS032273.D	7.61	0.00
PRESS-SLUDGE	Q3368-07	11/04/2025	13:23	PS032274.D	7.61	0.00
IBLK	IBLK	11/04/2025	13:48	PS032275.D	7.61	0.00
HSTDCCC750	HSTDCCC750	11/04/2025	14:42	PS032276.D	7.61	0.00
IBLK	IBLK	11/06/2025	10:35	PS032278.D	7.62	0.00
HSTDCCC750	HSTDCCC750	11/06/2025	11:39	PS032279.D	7.61	0.00
PB170386BL	PB170386BL	11/06/2025	13:23	PS032283.D	7.61	0.00
PB170172TB	PB170172TB	11/06/2025	13:47	PS032284.D	7.61	0.00
IBLK	IBLK	11/06/2025	14:59	PS032287.D	7.62	0.00
HSTDCCC750	HSTDCCC750	11/06/2025	15:23	PS032288.D	7.61	0.00

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

OUTSIDE-DUMPSTERMS

Lab Name: Alliance

Contract: ARAM01

Lab Code: ACE

SDG NO.: Q3368

Lab Sample ID: Q3368-06MS

Date(s) Analyzed: 11/04/2025 11/04/2025

Instrument ID (1): ECD_S

Instrument ID (2): ECD_S

GC Column: (1): RTX-CLP

ID: 0.32 (mm)

GC Column:(2): RTX-CLP2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
2,4-D	1	8.41	8.36	8.46	24.1	18.5
	2	8.86	8.81	8.91	29.0	
2,4,5-TP(Silvex)	1	9.28	9.23	9.33	25.5	50
	2	9.74	9.69	9.79	42.5	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

OUTSIDE-DUMPSTERMSD

Lab Name: Alliance

Contract: ARAM01

Lab Code: ACE

SDG NO.: Q3368

Lab Sample ID: Q3368-06MSD

Date(s) Analyzed: 11/04/2025 11/04/2025

Instrument ID (1): ECD_S

Instrument ID (2): ECD_S

GC Column: (1): RTX-CLP

ID: 0.32 (mm)

GC Column:(2): RTX-CLP2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
2,4-D	1	8.41	8.36	8.46	24.0	18.9
	2	8.85	8.80	8.90	29.0	
2,4,5-TP(Silvex)	1	9.28	9.23	9.33	25.7	57.6
	2	9.74	9.69	9.79	46.5	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB170386BS

Lab Name: Alliance

Contract: ARAM01

Lab Code: ACE

SDG NO.: Q3368

Lab Sample ID: PB170386BS

Date(s) Analyzed: 11/04/2025 11/04/2025

Instrument ID (1): ECD_S

Instrument ID (2): ECD_S

GC Column: (1): RTX-CLP

ID: 0.32 (mm)

GC Column:(2): RTX-CLP2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
2,4,5-TP(Silvex)	1	9.28	9.23	9.33	5.30	1.9
	2	9.74	9.69	9.79	5.40	
2,4-D	1	8.41	8.36	8.46	5.20	1.9
	2	8.87	8.82	8.92	5.30	



QC SAMPLE DATA

Report of Analysis

Client: Aramark Uniforms	Date Collected:	
Project: Monthly 2025	Date Received:	
Client Sample ID: PB170386BL	SDG No.:	Q3368
Lab Sample ID: PB170386BL	Matrix:	TCLP
Analytical Method: 8151A	% Solid:	0
Sample Wt/Vol: 1000 mL	Test:	TCLP Herbicide
Prep Method: 8151A	Final Vol: 10000 uL	
	Prep Date: 11/03/25	

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
94-75-7	2,4-D	0.92	U	1	0.92	2.00	ug/L	11/06/25 13:23	PB170386
93-72-1	2,4,5-TP (Silvex)	0.78	U	1	0.78	2.00	ug/L	11/06/25 13:23	PB170386
SURROGATES									
19719-28-9	2,4-DCAA	500			61 - 136	100%	SPK: 500		

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS110625\
Data File : PS032283.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Nov 2025 13:23
Operator : AR\AJ
Sample : PB170386BL
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
PB170386BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 07 01:06:17 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110325.M
Quant Title : 8080.M
QLast Update : Tue Nov 04 04:59:50 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
4) S 2,4-DCAA	7.279	7.613	1710.6E6	1822.7E6	377.499	499.982 #

Target Compounds

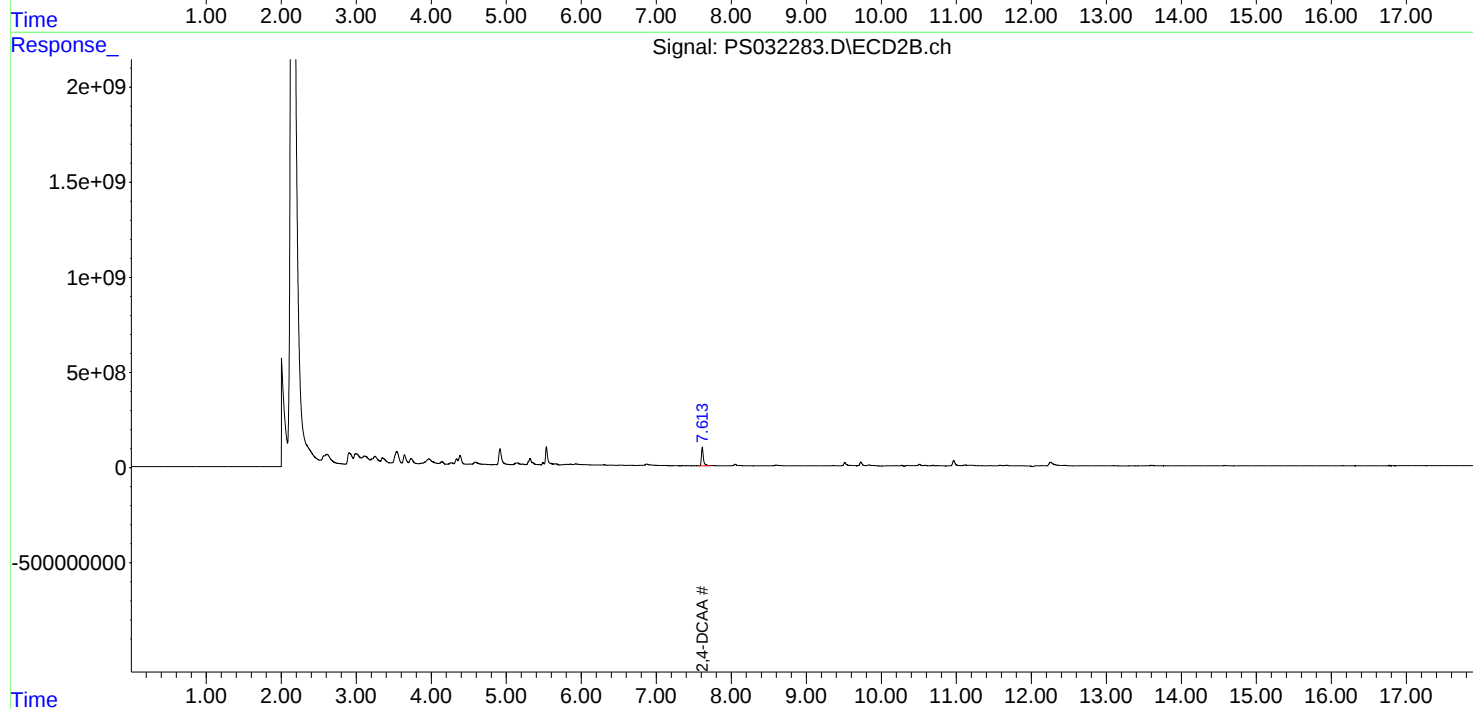
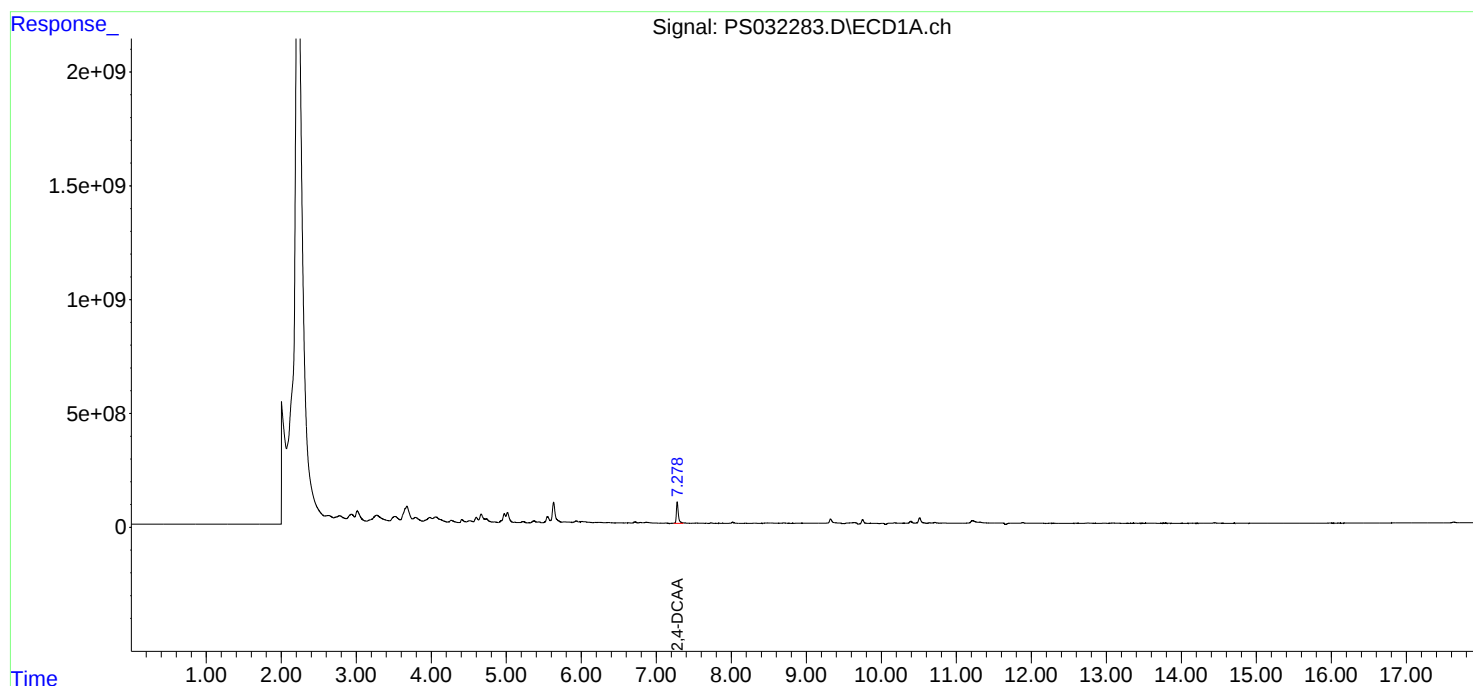
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

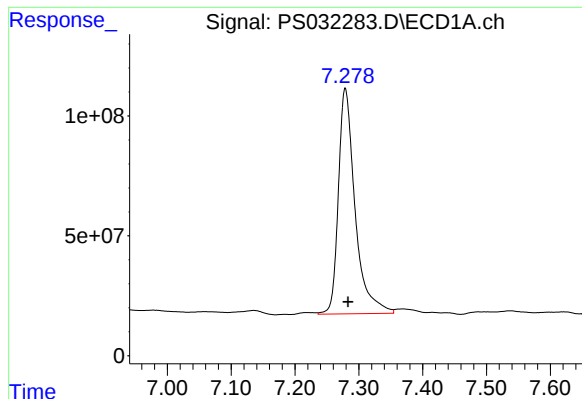
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS110625\
Data File : PS032283.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Nov 2025 13:23
Operator : AR\AJ
Sample : PB170386BL
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
PB170386BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 07 01:06:17 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110325.M
Quant Title : 8080.M
QLast Update : Tue Nov 04 04:59:50 2025
Response via : Initial Calibration
Integrator: ChemStation

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

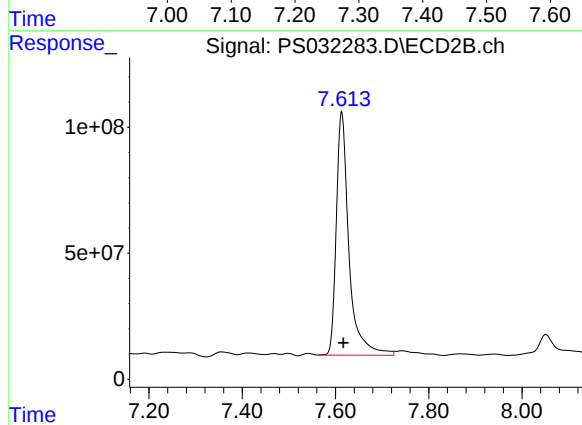




#4 2,4-DCAA

R.T.: 7.279 min
Delta R.T.: -0.004 min
Response: 1710552181
Conc: 377.50 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB170386BL



#4 2,4-DCAA

R.T.: 7.613 min
Delta R.T.: -0.004 min
Response: 1822683715
Conc: 499.98 ng/ml



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

Report of Analysis

Client:	Aramark Uniforms		Date Collected:	11/03/25
Project:	Monthly 2025		Date Received:	11/03/25
Client Sample ID:	PIBLK-PS032225.D		SDG No.:	Q3368
Lab Sample ID:	I.BLK-PS032225.D		Matrix:	TCLP
Analytical Method:	8151A		% Solid:	0
Sample Wt/Vol:	1000 mL	Final Vol: 10000 uL	Test:	TCLP Herbicide
Prep Method:	8151A	Prep Date:		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
94-75-7	2,4-D	0.92	U	1	0.92	2.00	ug/L	11/03/25	PS110325
93-72-1	2,4,5-TP (Silvex)	0.78	U	1	0.78	2.00	ug/L	11/03/25	PS110325
SURROGATES									
19719-28-9	2,4-DCAA	508			61 - 136	102%	SPK: 500		

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS110325\
Data File : PS032225.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Nov 2025 09:16
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 03 11:46:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110325.M
Quant Title : 8080.M
QLast Update : Mon Nov 03 11:45:33 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
4) S 2,4-DCAA	7.289	7.626	1657.5E6	1852.7E6	358.675	508.204 #

Target Compounds

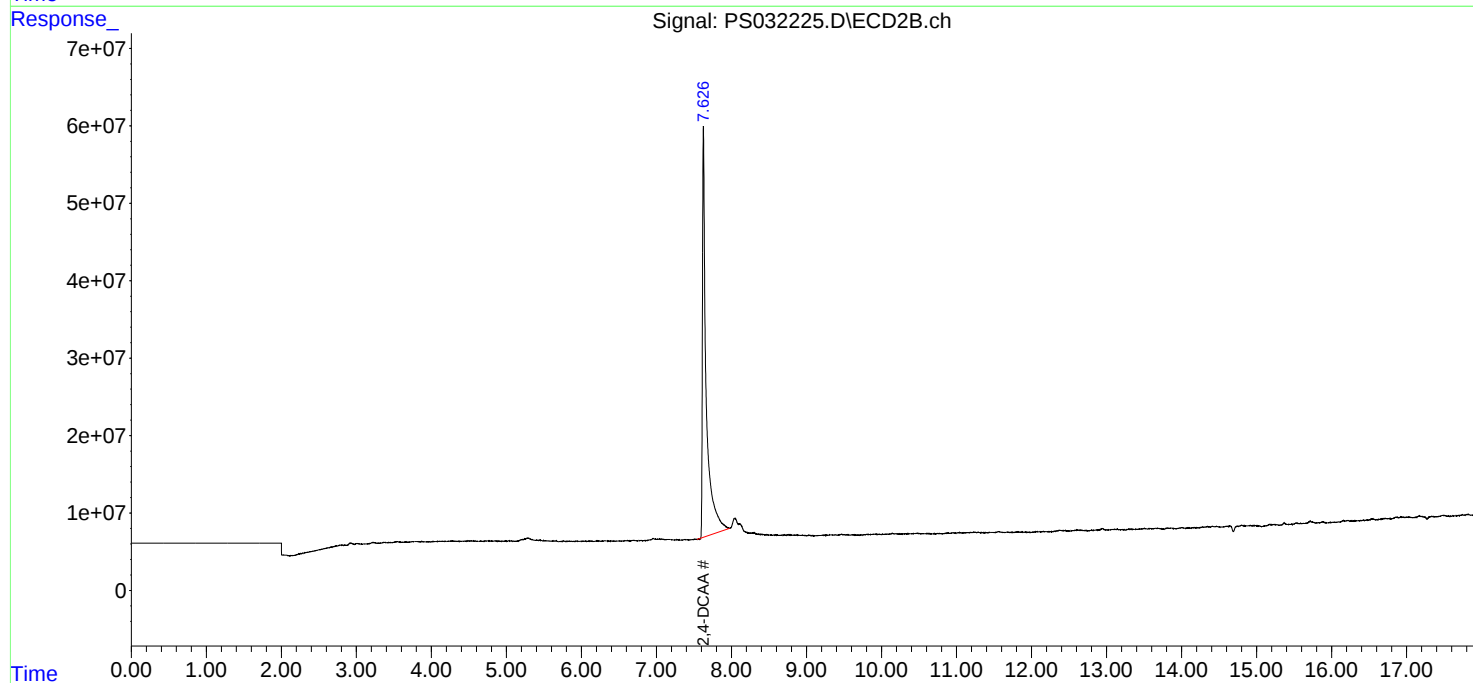
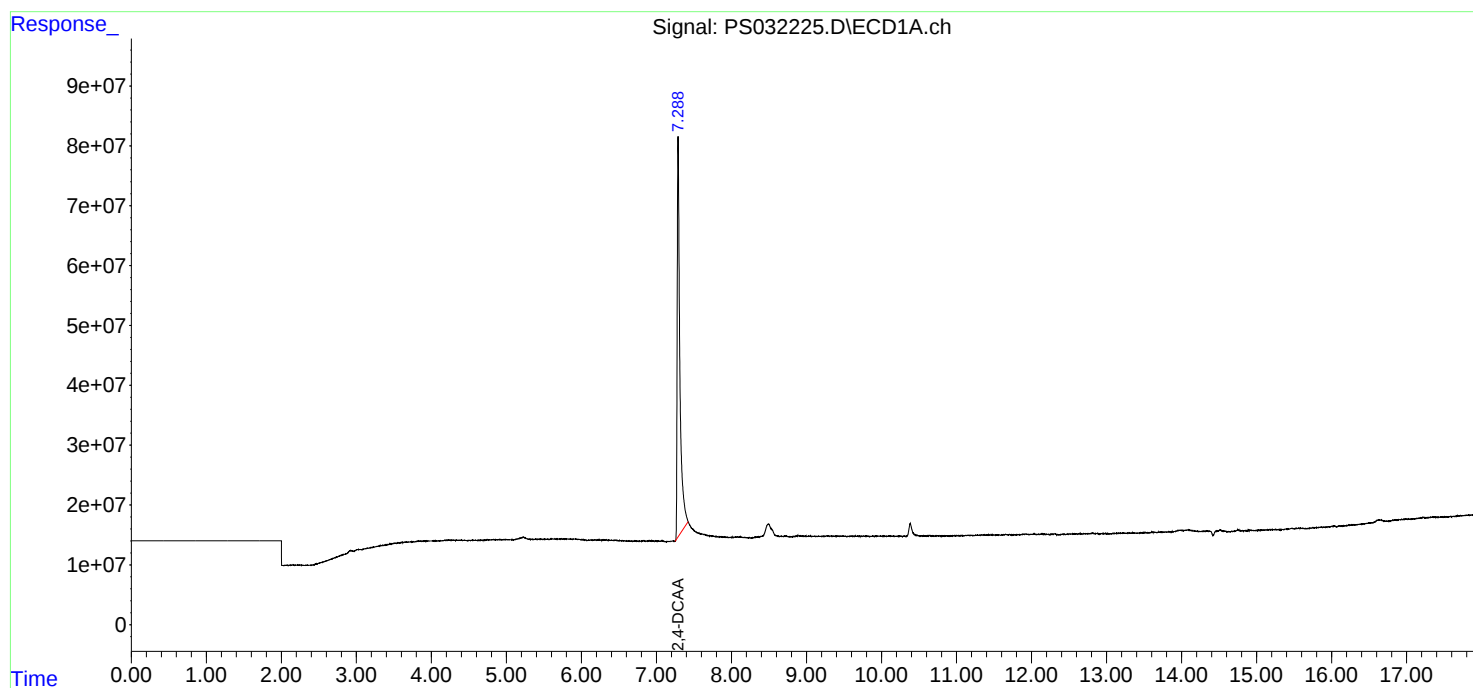
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

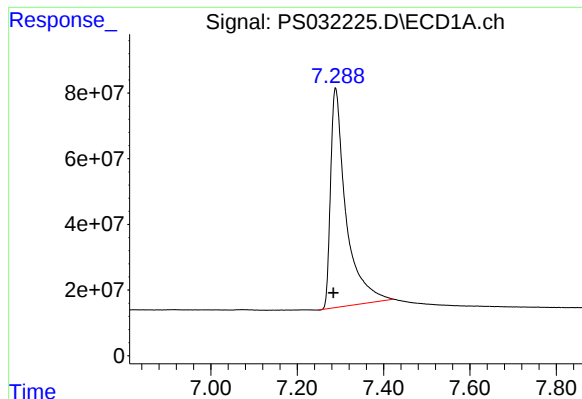
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS110325\
Data File : PS032225.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Nov 2025 09:16
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 03 11:46:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110325.M
Quant Title : 8080.M
QLast Update : Mon Nov 03 11:45:33 2025
Response via : Initial Calibration
Integrator: ChemStation

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

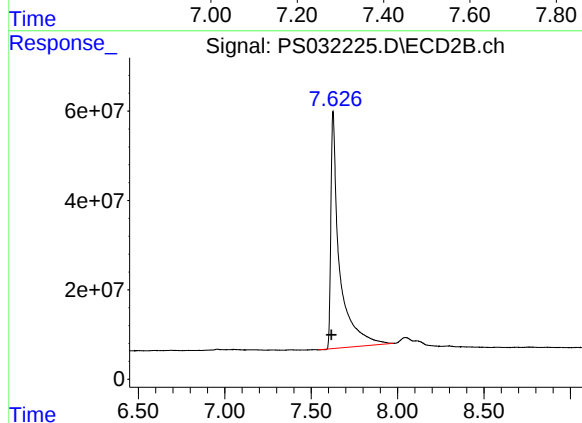




#4 2,4-DCAA

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

Instrument :
ECD_S
ClientSampleId :
I.BLK



#4 2,4-DCAA

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

Report of Analysis

Client: Aramark Uniforms	Date Collected: 11/04/25	
Project: Monthly 2025	Date Received: 11/04/25	
Client Sample ID: PIBLK-PS032266.D	SDG No.: Q3368	
Lab Sample ID: I.BLK-PS032266.D	Matrix: TCLP	
Analytical Method: 8151A	% Solid: 0	
Sample Wt/Vol: 1000 mL	Test: TCLP Herbicide	Final Vol: 10000 uL
Prep Method: 8151A		Prep Date:

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
94-75-7	2,4-D	0.92	U	1	0.92	2.00	ug/L	11/04/25	PS110425
93-72-1	2,4,5-TP (Silvex)	0.78	U	1	0.78	2.00	ug/L	11/04/25	PS110425
SURROGATES									
19719-28-9	2,4-DCAA	527			61 - 136	105%	SPK: 500		

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS110425\
Data File : PS032266.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Nov 2025 09:31
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 05 00:24:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110325.M
Quant Title : 8080.M
QLast Update : Tue Nov 04 04:59:50 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
4) S 2,4-DCAA	7.287	7.626	1637.4E6	1920.1E6	361.363	526.699 #

Target Compounds

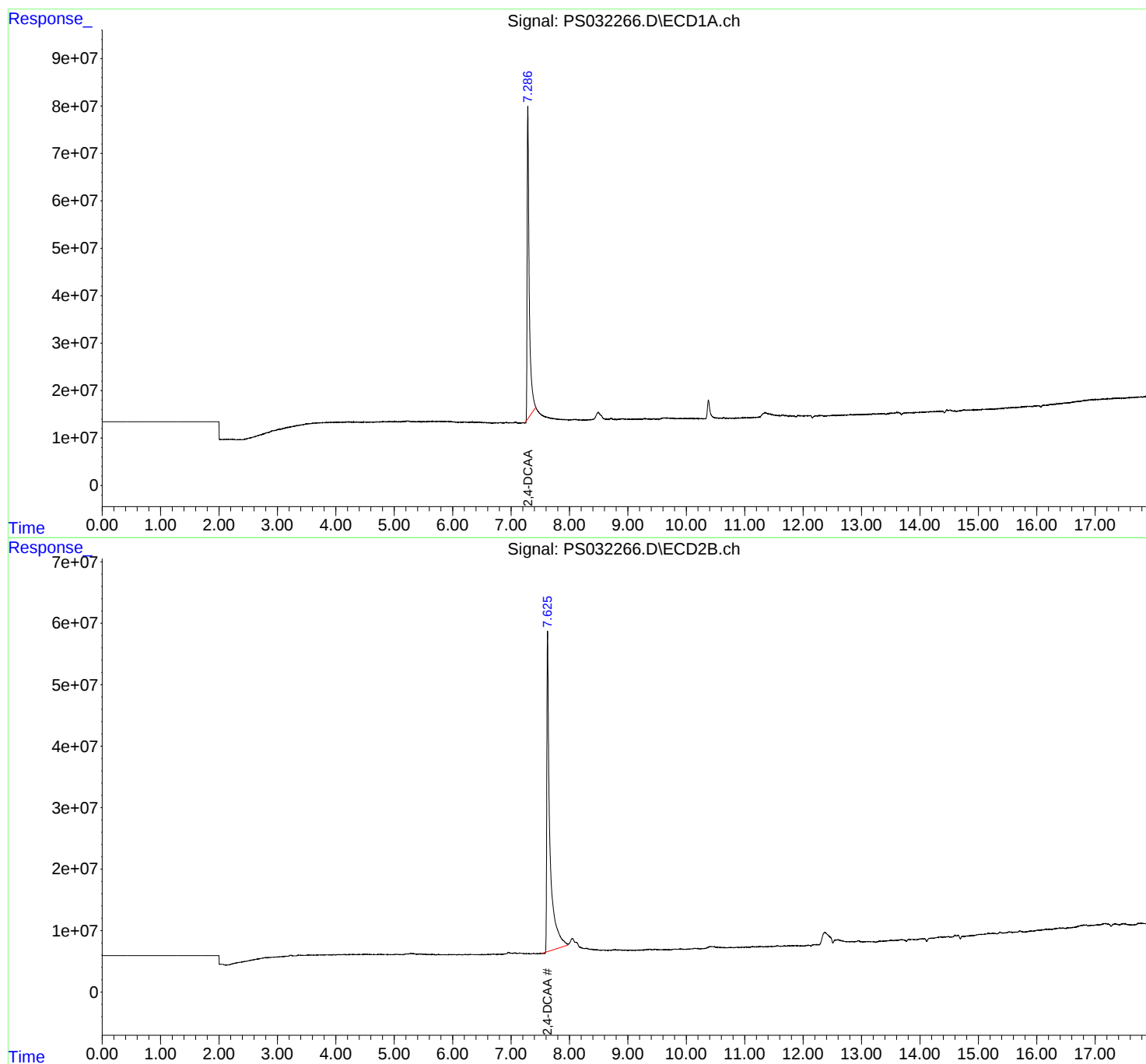
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

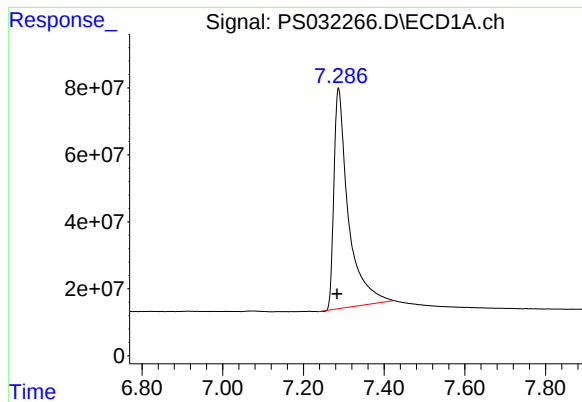
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS110425\
Data File : PS032266.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Nov 2025 09:31
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 05 00:24:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110325.M
Quant Title : 8080.M
QLast Update : Tue Nov 04 04:59:50 2025
Response via : Initial Calibration
Integrator: ChemStation

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

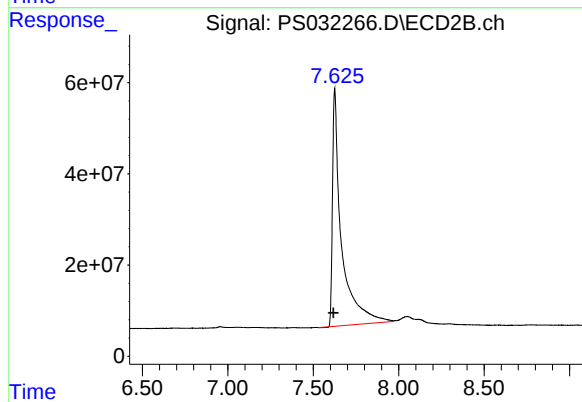




#4 2,4-DCAA

R.T.: 7.287 min
Delta R.T.: 0.003 min
Response: 1637434986
Conc: 361.36 ng/ml

Instrument :
ECD_S
ClientSampleId :
I.BLK



#4 2,4-DCAA

R.T.: 7.626 min
Delta R.T.: 0.008 min
Response: 1920080892
Conc: 526.70 ng/ml

Report of Analysis

Client: Aramark Uniforms	Date Collected: 11/04/25	
Project: Monthly 2025	Date Received: 11/04/25	
Client Sample ID: PIBLK-PS032275.D	SDG No.: Q3368	
Lab Sample ID: I.BLK-PS032275.D	Matrix: TCLP	
Analytical Method: 8151A	% Solid: 0	
Sample Wt/Vol: 1000 mL	Test: TCLP Herbicide	Final Vol: 10000 uL
Prep Method: 8151A		Prep Date:

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
94-75-7	2,4-D	0.92	U	1	0.92	2.00	ug/L	11/04/25	ps110425
93-72-1	2,4,5-TP (Silvex)	0.78	U	1	0.78	2.00	ug/L	11/04/25	ps110425
SURROGATES									
19719-28-9	2,4-DCAA	489			61 - 136	98%	SPK: 500		

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS110425\
Data File : PS032275.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Nov 2025 13:48
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 05 00:26:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110325.M
Quant Title : 8080.M
QLast Update : Tue Nov 04 04:59:50 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
4) S 2,4-DCAA	7.277	7.612	1843.1E6	1784.4E6	406.743	489.471

Target Compounds

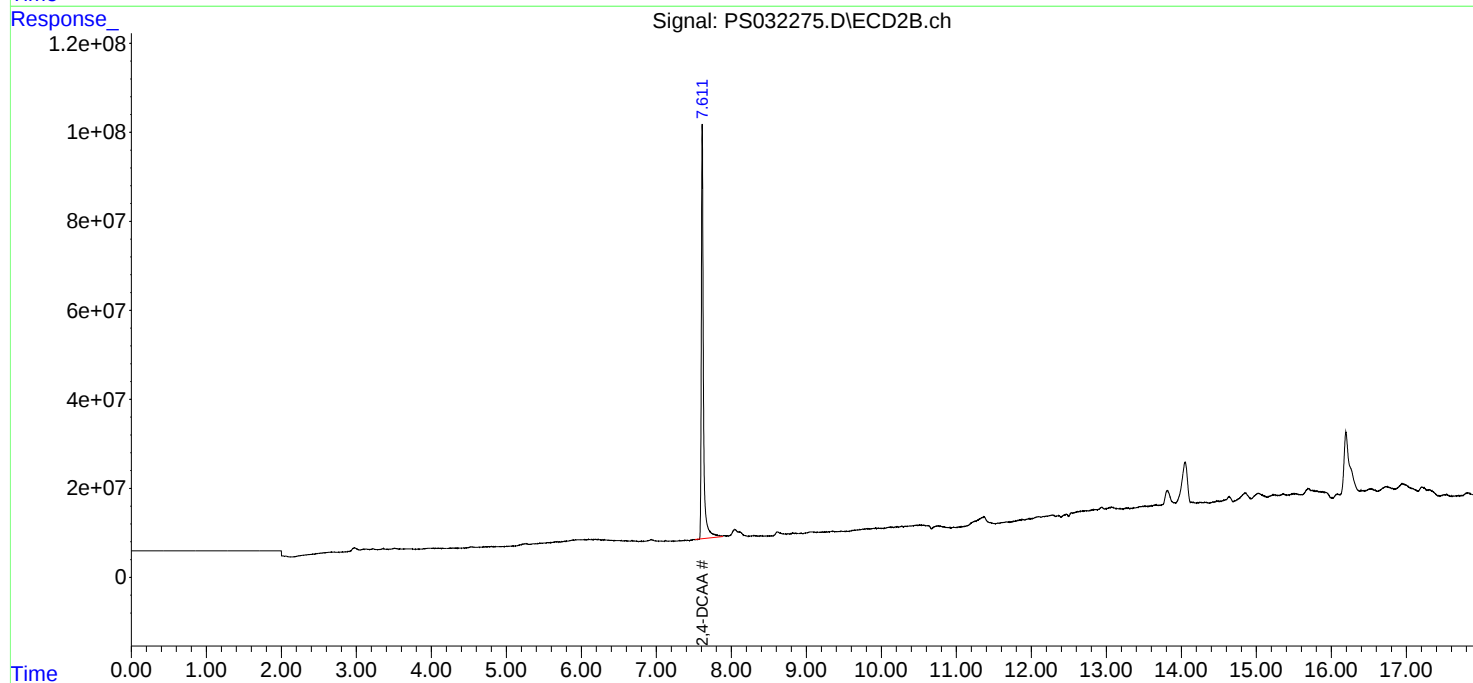
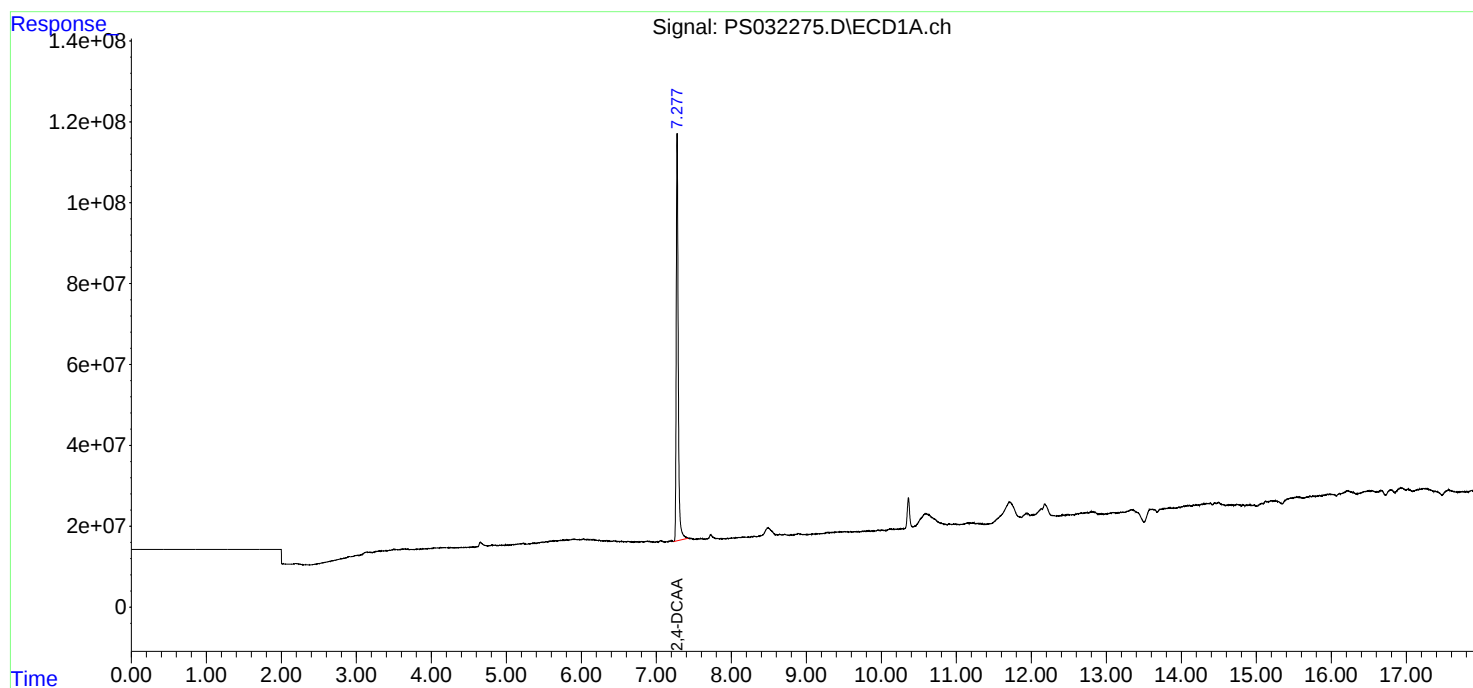
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS110425\
Data File : PS032275.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Nov 2025 13:48
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
I.BLK

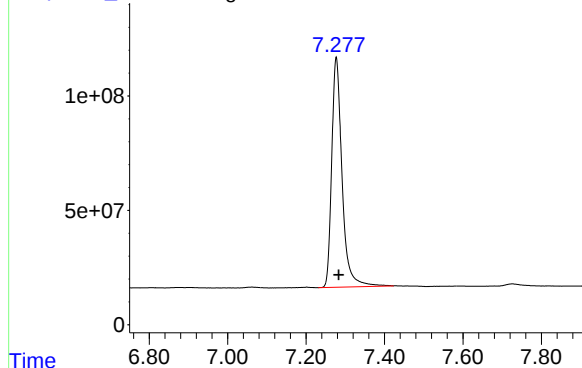
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 05 00:26:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110325.M
Quant Title : 8080.M
QLast Update : Tue Nov 04 04:59:50 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Signal: PS032275.D\ECD1A.ch

#4 2,4-DCAA

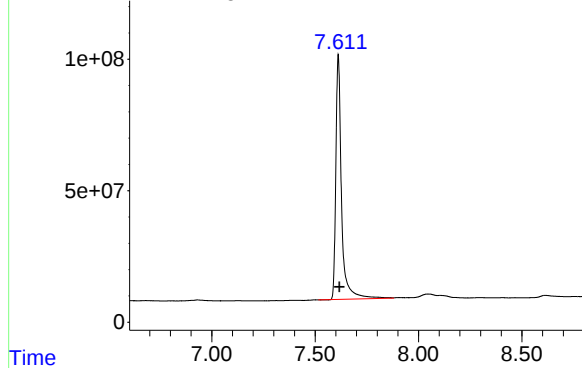


R.T.: 7.277 min
Delta R.T.: -0.006 min
Response: 1843065952
Conc: 406.74 ng/ml

Instrument :
ECD_S
ClientSampleId :
I.BLK

Signal: PS032275.D\ECD2B.ch

#4 2,4-DCAA



R.T.: 7.612 min
Delta R.T.: -0.006 min
Response: 1784365262
Conc: 489.47 ng/ml

Report of Analysis

Client: Aramark Uniforms	Date Collected: 11/06/25	
Project: Monthly 2025	Date Received: 11/06/25	
Client Sample ID: PIBLK-PS032278.D	SDG No.: Q3368	
Lab Sample ID: I.BLK-PS032278.D	Matrix: TCLP	
Analytical Method: 8151A	% Solid: 0	
Sample Wt/Vol: 1000 mL	Test: TCLP Herbicide	Final Vol: 10000 uL
Prep Method: 8151A		Prep Date:

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
94-75-7	2,4-D	0.92	U	1	0.92	2.00	ug/L	11/06/25	PS110625
93-72-1	2,4,5-TP (Silvex)	0.78	U	1	0.78	2.00	ug/L	11/06/25	PS110625
SURROGATES									
19719-28-9	2,4-DCAA	531			61 - 136	106%	SPK: 500		

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS110625\
Data File : PS032278.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Nov 2025 10:35
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 01:05:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110325.M
Quant Title : 8080.M
QLast Update : Tue Nov 04 04:59:50 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
4) S 2,4-DCAA	7.282	7.617	1865.5E6	1936.1E6	411.687	531.104 #

Target Compounds

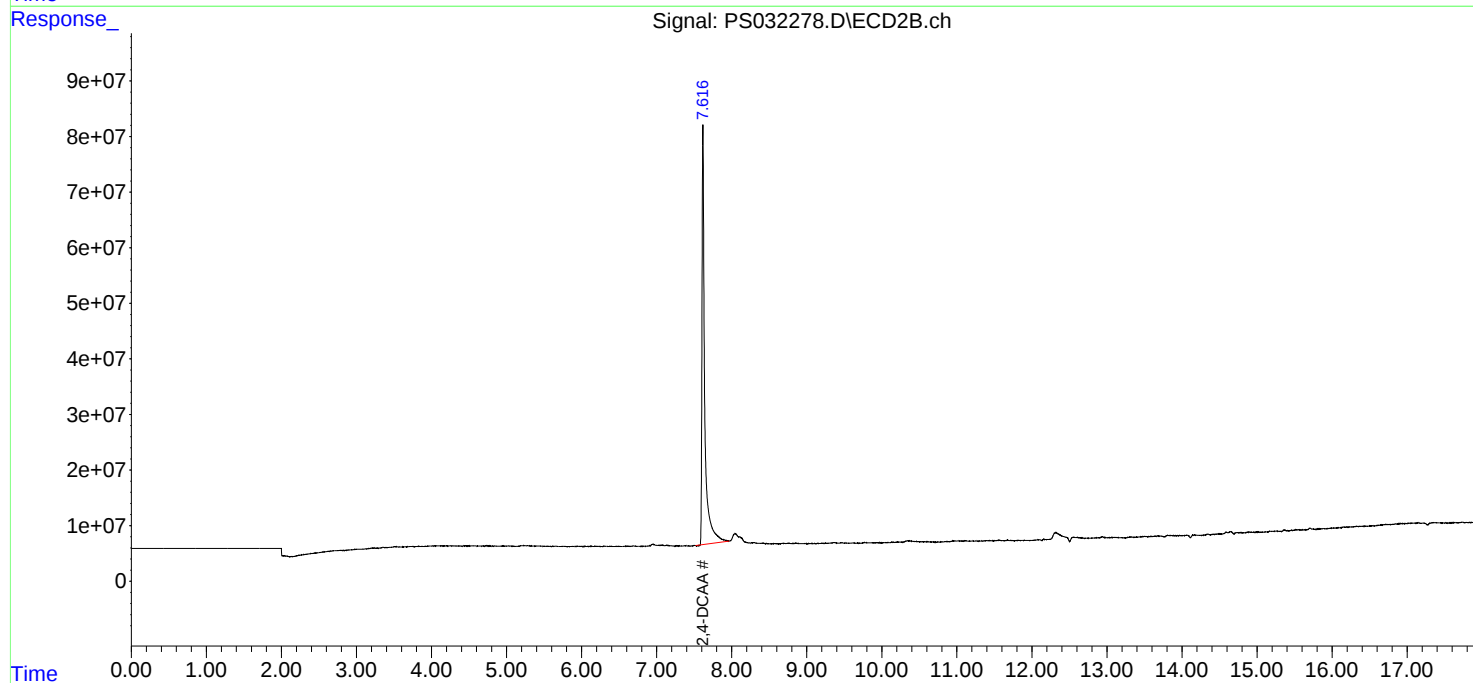
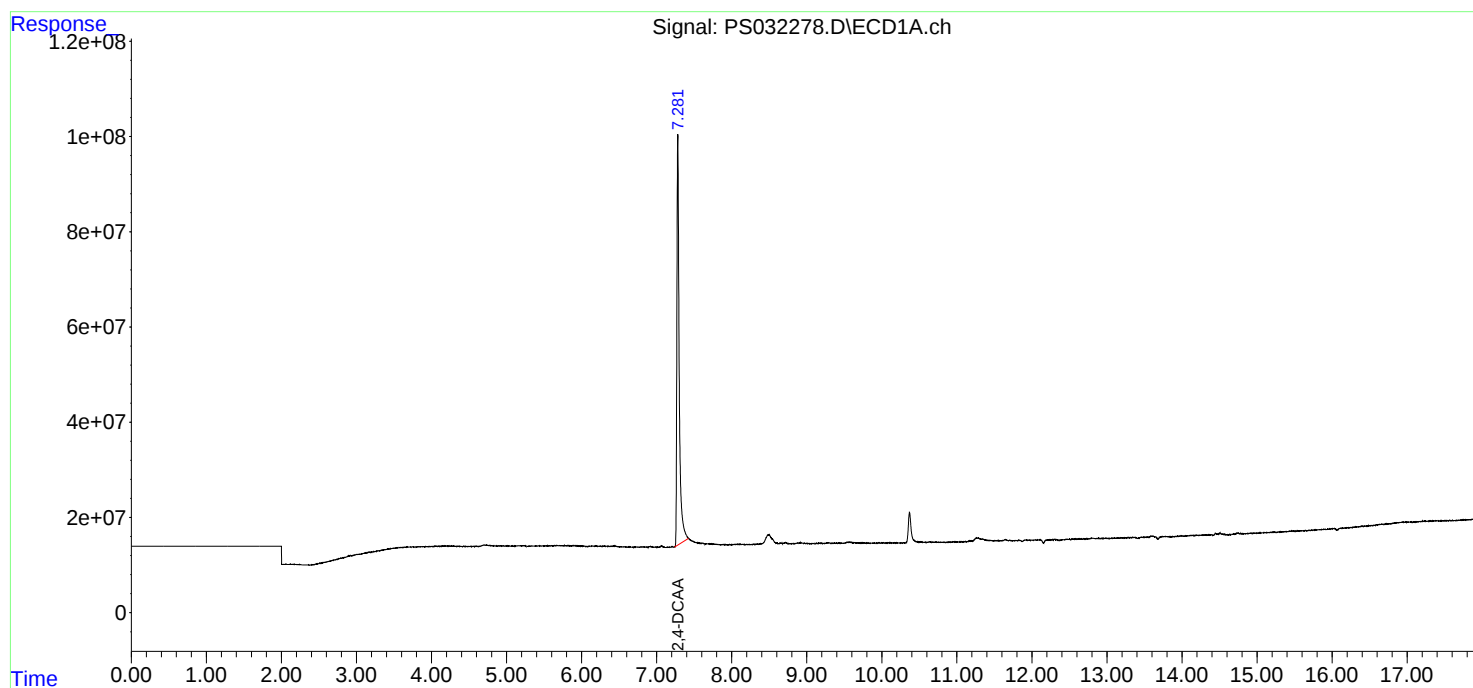
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS110625\
Data File : PS032278.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Nov 2025 10:35
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
I.BLK

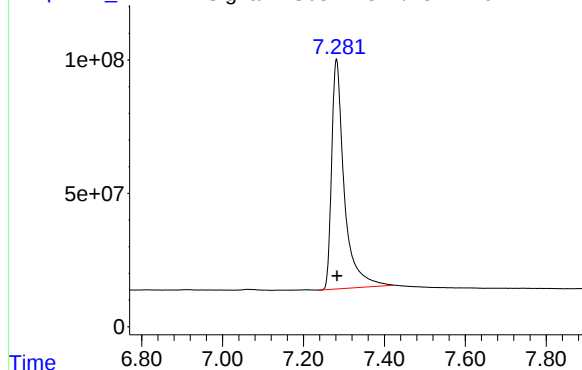
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 07 01:05:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110325.M
Quant Title : 8080.M
QLast Update : Tue Nov 04 04:59:50 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Signal: PS032278.D\ECD1A.ch

#4 2,4-DCAA

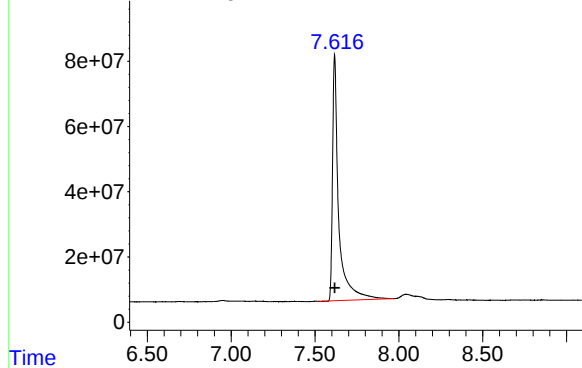


R.T.: 7.282 min
Delta R.T.: -0.002 min
Response: 1865465253
Conc: 411.69 ng/ml

Instrument :
ECD_S
ClientSampleId :
I.BLK

Signal: PS032278.D\ECD2B.ch

#4 2,4-DCAA



R.T.: 7.617 min
Delta R.T.: 0.000 min
Response: 1936138177
Conc: 531.10 ng/ml

Report of Analysis

Client: Aramark Uniforms	Date Collected: 11/06/25	
Project: Monthly 2025	Date Received: 11/06/25	
Client Sample ID: PIBLK-PS032287.D	SDG No.: Q3368	
Lab Sample ID: I.BLK-PS032287.D	Matrix: TCLP	
Analytical Method: 8151A	% Solid: 0	
Sample Wt/Vol: 1000 mL	Test: TCLP Herbicide	Final Vol: 10000 uL
Prep Method: 8151A		Prep Date:

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
94-75-7	2,4-D	0.92	U	1	0.92	2.00	ug/L	11/06/25	pS110625
93-72-1	2,4,5-TP (Silvex)	0.78	U	1	0.78	2.00	ug/L	11/06/25	pS110625
SURROGATES									
19719-28-9	2,4-DCAA	520			61 - 136	104%	SPK: 500		

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS110625\
Data File : PS032287.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Nov 2025 14:59
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 01:06:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110325.M
Quant Title : 8080.M
QLast Update : Tue Nov 04 04:59:50 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
4) S 2,4-DCAA	7.283	7.618	1762.3E6	1896.6E6	388.910	520.255 #

Target Compounds

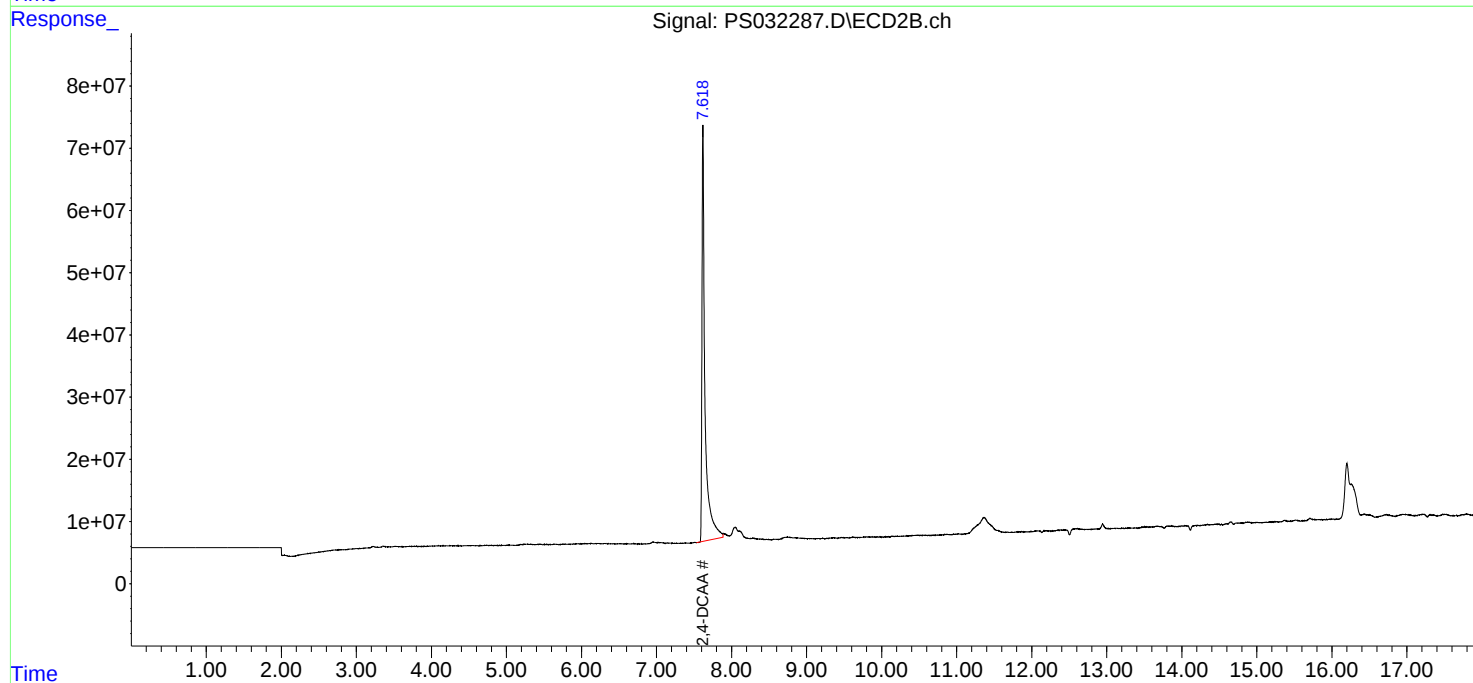
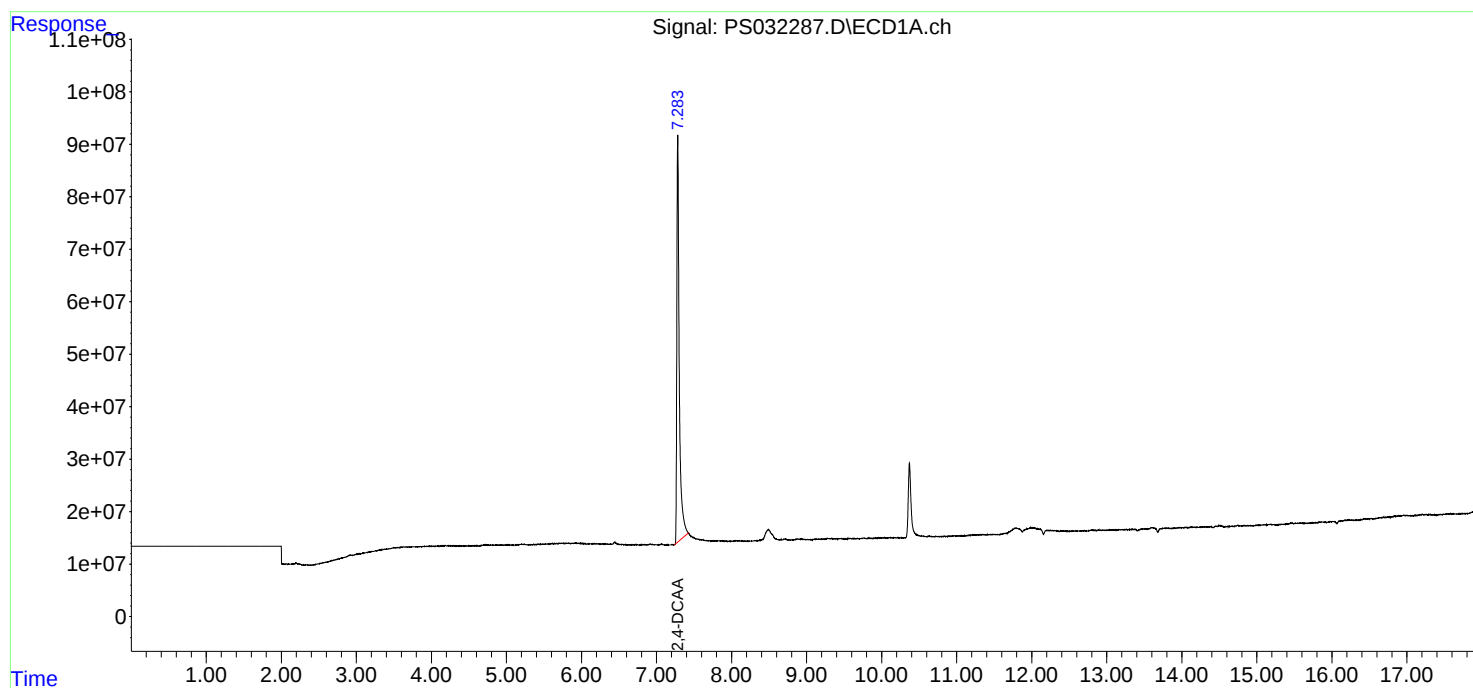
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

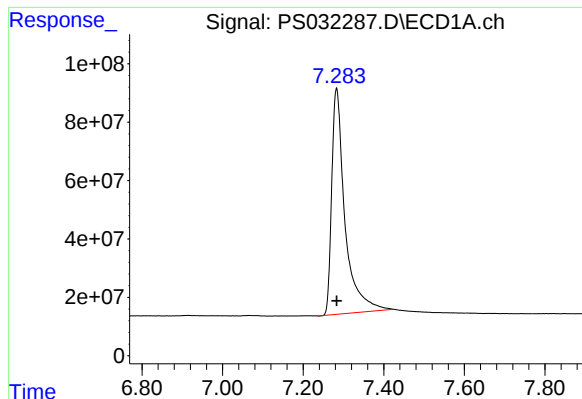
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS110625\
Data File : PS032287.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Nov 2025 14:59
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 07 01:06:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110325.M
Quant Title : 8080.M
QLast Update : Tue Nov 04 04:59:50 2025
Response via : Initial Calibration
Integrator: ChemStation

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

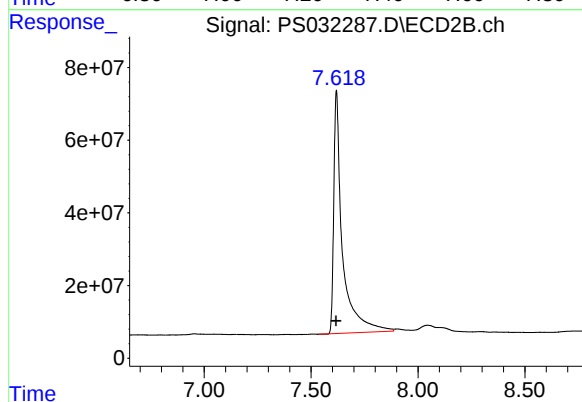




#4 2,4-DCAA

R.T.: 7.283 min
Delta R.T.: 0.000 min
Response: 1762257577
Conc: 388.91 ng/ml

Instrument :
ECD_S
ClientSampleId :
I.BLK



#4 2,4-DCAA

R.T.: 7.618 min
Delta R.T.: 0.001 min
Response: 1896588059
Conc: 520.26 ng/ml



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

Report of Analysis

Client:	Aramark Uniforms		Date Collected:	
Project:	Monthly 2025		Date Received:	
Client Sample ID:	PB170386BS		SDG No.:	Q3368
Lab Sample ID:	PB170386BS		Matrix:	TCLP
Analytical Method:	8151A		% Solid:	0
Sample Wt/Vol:	1000 mL	Final Vol: 10000 uL	Test:	TCLP Herbicide
Prep Method:	8151A	Prep Date: 11/03/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
94-75-7	2,4-D	5.30		1	0.92	2.00	ug/L	11/04/25 11:23	PB170386
93-72-1	2,4,5-TP (Silvex)	5.40		1	0.78	2.00	ug/L	11/04/25 11:23	PB170386
SURROGATES									
19719-28-9	2,4-DCAA	561			61 - 136	112%	SPK: 500		

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS110425\
 Data File : PS032269.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 04 Nov 2025 11:23
 Operator : AR\AJ
 Sample : PB170386BS
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 PB170386BS

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 05 00:24:58 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110325.M
 Quant Title : 8080.M
 QLast Update : Tue Nov 04 04:59:50 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
4) S	2,4-DCAA	7.283	7.617	2520.9E6	2044.9E6	556.336	560.951
Target Compounds							
1) T	Dalapon	2.656	2.602	3277.1E6	3223.4E6	456.495	463.527
2) T	3,5-DICHL...	6.449	6.585	3382.5E6	3187.5E6	523.106	530.454
3) T	4-Nitroph...	7.104	7.190	696.7E6	1201.1E6	518.950	529.122
5) T	DICAMBA	7.464	7.806	9886.4E6	9257.4E6	524.029	535.965
6) T	MCPD	7.640	7.902	548.0E6	700.0E6	50.320	52.626
7) T	MCPA	7.789	8.147	677.4E6	837.6E6	50.454	51.374
8) T	DICHLORPROP	8.172	8.521	2287.6E6	2520.9E6	514.219	528.581
9) T	2,4-D	8.414	8.865	2360.6E6	2794.0E6	523.197	532.625
10) T	Pentachlo...	8.701	9.356	38008.3E6	34425.0E6	605.815	586.429
11) T	2,4,5-TP ...	9.279	9.743	13879.3E6	14521.7E6	533.580	540.768
12) T	2,4,5-T	9.579	10.172	12853.5E6	12914.2E6	539.195	544.487
13) T	2,4-DB	10.156	10.739	1402.9E6	1986.3E6	532.404	526.674
14) T	DINOSEB	11.345	11.104	10809.2E6	9356.6E6	519.486	529.001
15) T	Picloram	11.187	12.227	11366.9E6	19045.4E6	535.528	512.219
16) T	DCPA	11.644	12.138	18446.4E6	17776.1E6	549.785	557.935

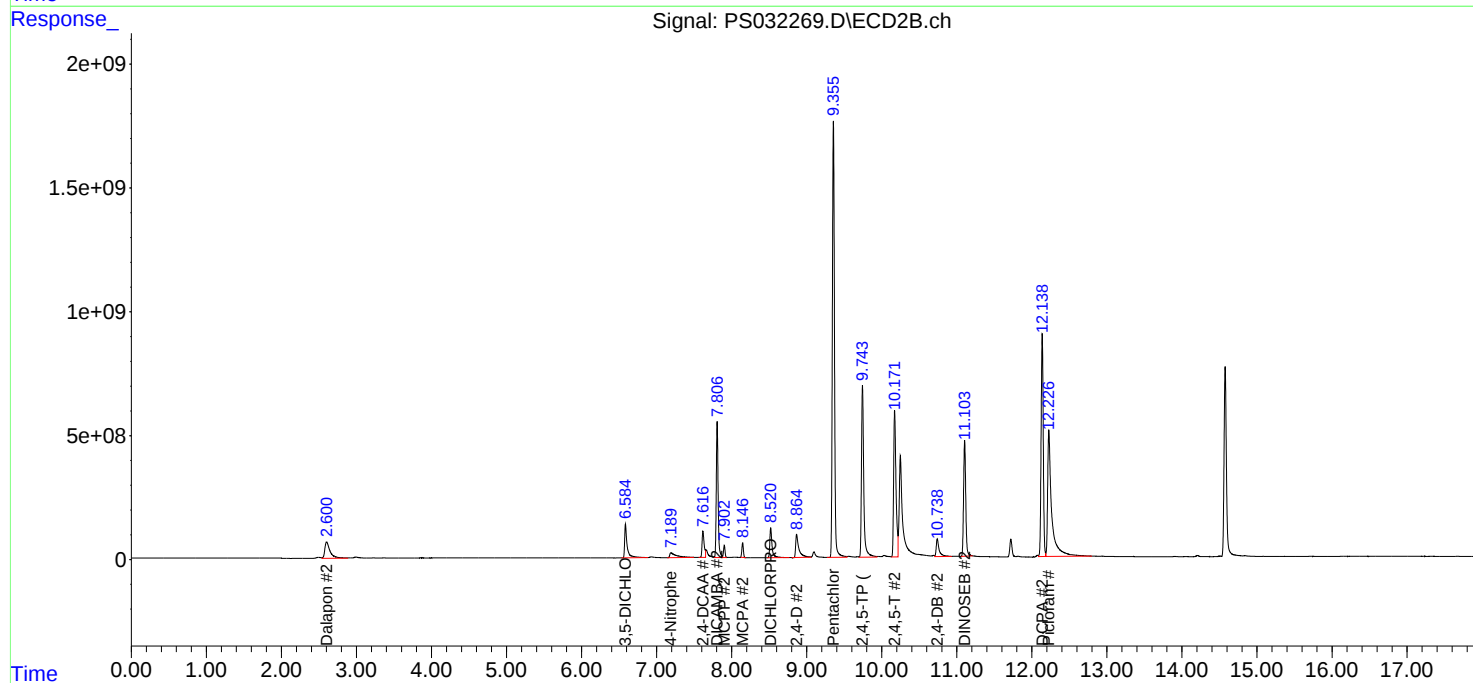
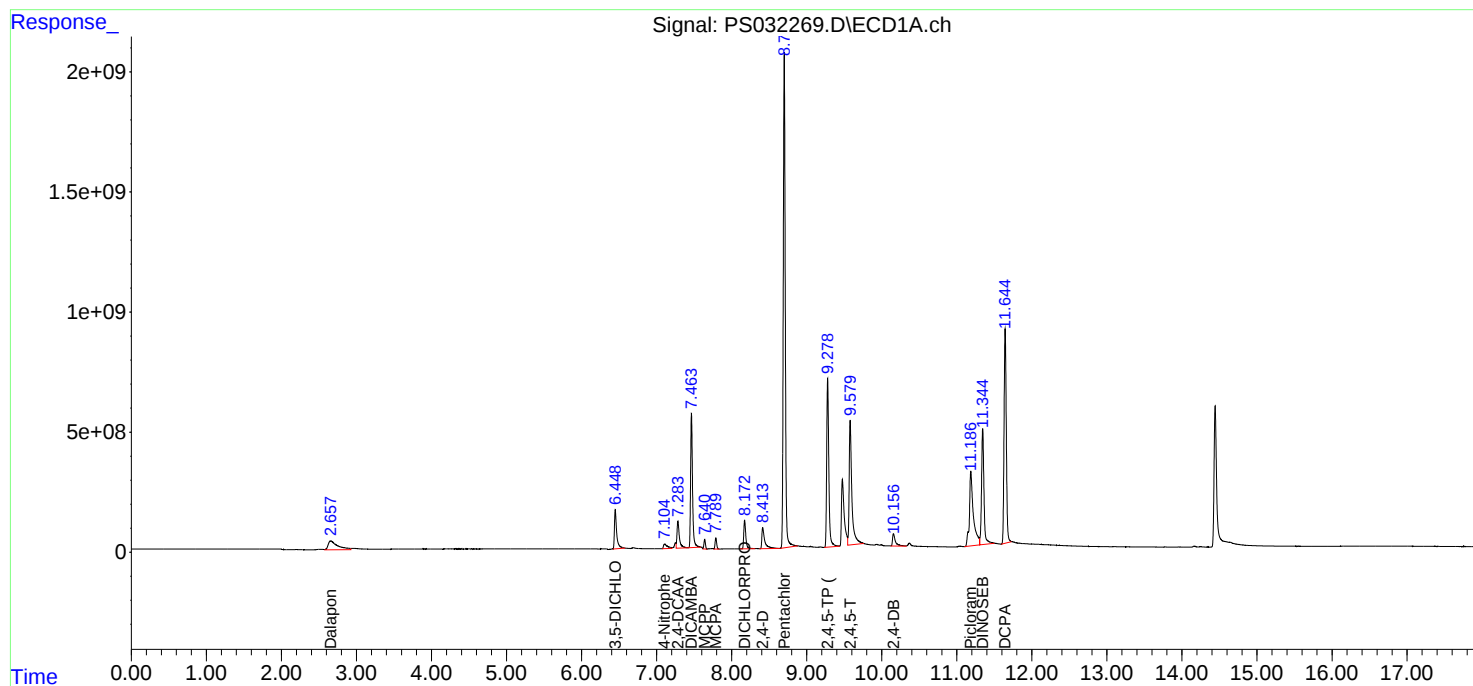
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS110425\
Data File : PS032269.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Nov 2025 11:23
Operator : AR\AJ
Sample : PB170386BS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
PB170386BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 05 00:24:58 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110325.M
Quant Title : 8080.M
QLast Update : Tue Nov 04 04:59:50 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Report of Analysis

Client:	Aramark Uniforms		Date Collected:	10/16/25
Project:	Monthly 2025		Date Received:	10/16/25
Client Sample ID:	OUTSIDE-DUMPSTERMS		SDG No.:	Q3368
Lab Sample ID:	Q3368-06MS		Matrix:	TCLP
Analytical Method:	8151A		% Solid:	0
Sample Wt/Vol:	100 mL	Final Vol: 10000 uL	Test:	TCLP Herbicide
Prep Method:	8151A	Prep Date: 11/03/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
94-75-7	2,4-D	29.0		1	9.20	20.0	ug/L	11/04/25 12:35	PB170386
93-72-1	2,4,5-TP (Silvex)	42.5	P	1	7.80	20.0	ug/L	11/04/25 12:35	PB170386
SURROGATES									
19719-28-9	2,4-DCAA	496			61 - 136	99%	SPK: 500		

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS110425\
 Data File : PS032272.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 04 Nov 2025 12:35
 Operator : AR\AJ
 Sample : Q3368-06MS
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 OUTSIDE-DUMPSTERMS

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 11/05/2025
 Supervised By :Yogesh Patel 11/05/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 05 00:25:37 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110325.M
 Quant Title : 8080.M
 QLast Update : Tue Nov 04 04:59:50 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
4) S	2,4-DCAA	7.278	7.611	1810.7E6	1807.4E6	399.590	495.786
Target Compounds							
1) T	Dalapon	2.643	2.611	532.0E6	5528.9E6	74.111m	795.068m#
2) T	3,5-DICHL...	6.447	6.581	1310.7E6	1096.4E6	202.705	182.465
5) T	DICAMBA	7.463	7.805	3664.4E6	3670.1E6	194.233	212.484
6) T	MCPD	7.638	7.900	166.2E6	264.7E6	15.263	19.897 #
7) T	MCPA	7.787	8.144	311.0E6	297.3E6	23.165	18.233m
8) T	DICHLORPROP	8.170	8.517	1171.1E6	1070.8E6	263.238	224.516
9) T	2,4-D	8.407	8.856	1088.9E6	1521.9E6	241.350	290.121
10) T	Pentachlo...	8.700	9.354	8794.3E6	8335.0E6	140.173	141.988m
11) T	2,4,5-TP ...	9.276	9.743	6623.7E6	11407.1E6	254.645	424.783 #
12) T	2,4,5-T	9.572	10.168	5097.4E6	5832.7E6	213.834m	245.918
13) T	2,4-DB	10.148	10.731	836.8E6	902.4E6	317.543	239.268
14) T	DINOSEB	11.343	11.103	1342.6E6	1491.4E6	64.523	84.321 #
15) T	Picloram	11.174	12.215	5442.3E6	7195.7E6	256.403	193.525
16) T	DCPA	11.642	12.136	7699.3E6	7827.4E6	229.472	245.678m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS110425\
Data File : PS032272.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Nov 2025 12:35
Operator : AR\AJ
Sample : Q3368-06MS
Misc :
ALS Vial : 8 Sample Multiplier: 1

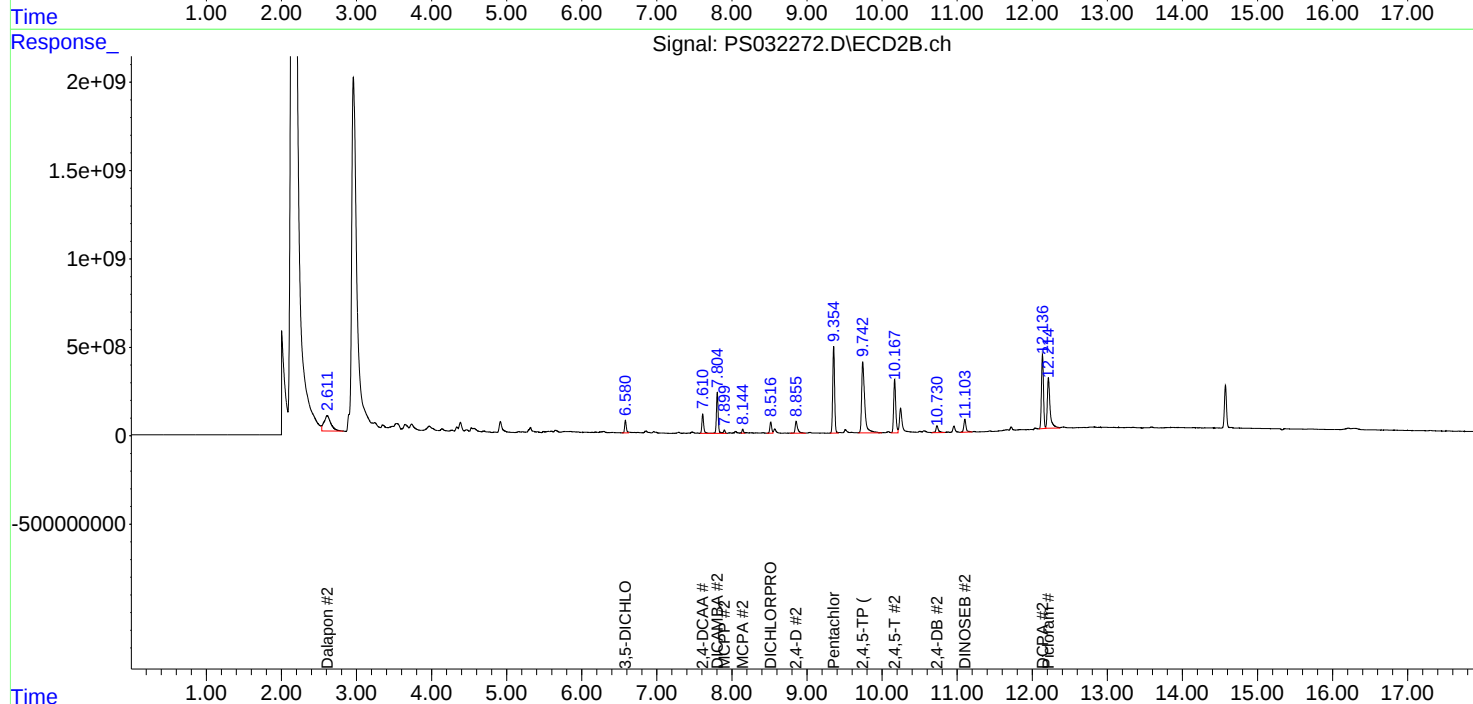
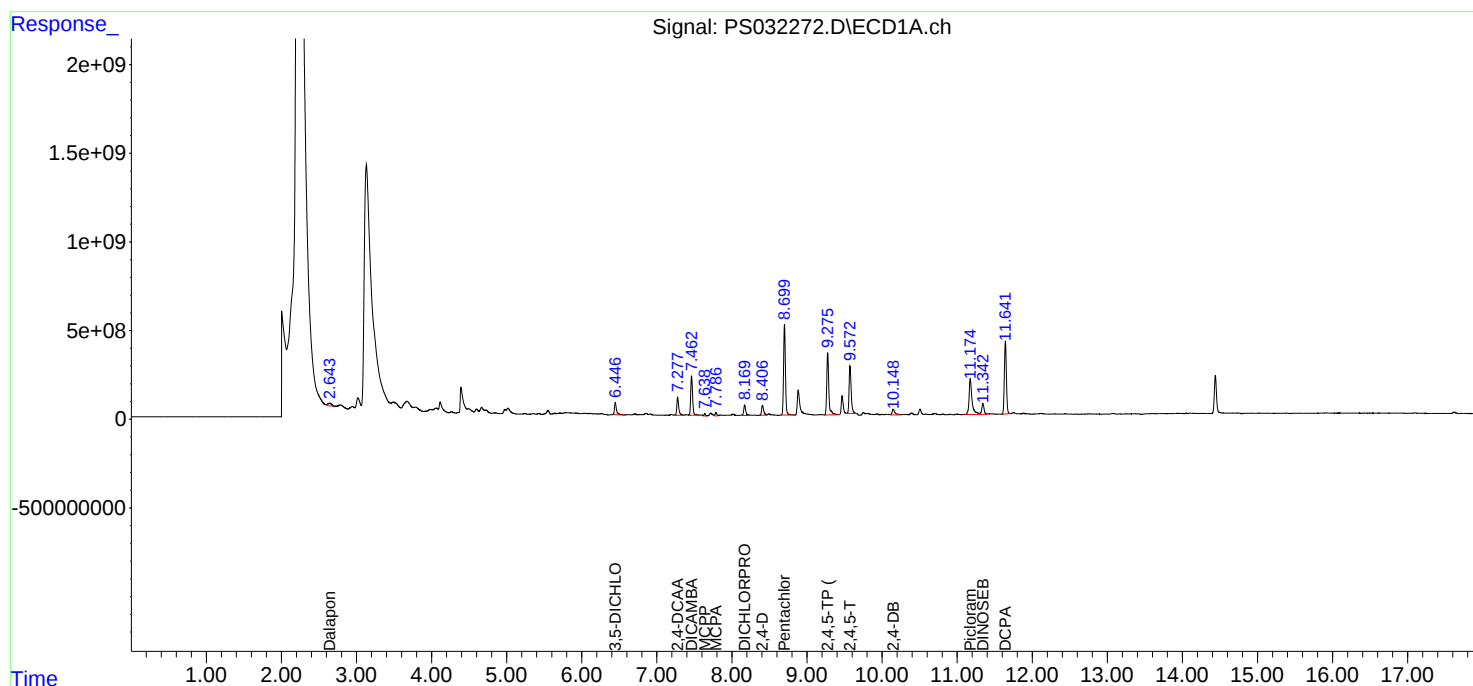
Instrument :
ECD_S
ClientSampleId :
OUTSIDE-DUMPSTERMS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 11/05/2025
Supervised By :Yogesh Patel 11/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 05 00:25:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110325.M
Quant Title : 8080.M
QLast Update : Tue Nov 04 04:59:50 2025
Response via : Initial Calibration
Integrator: ChemStation

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





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Fax : 908 789 8922

Report of Analysis

Client:	Aramark Uniforms		Date Collected:	10/16/25
Project:	Monthly 2025		Date Received:	10/16/25
Client Sample ID:	OUTSIDE-DUMPSTERMSD		SDG No.:	Q3368
Lab Sample ID:	Q3368-06MSD		Matrix:	TCLP
Analytical Method:	8151A		% Solid:	0
Sample Wt/Vol:	100 mL	Final Vol: 10000 uL	Test:	TCLP Herbicide
Prep Method:	8151A	Prep Date: 11/03/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
94-75-7	2,4-D	29.0		1	9.20	20.0	ug/L	11/04/25 12:59	PB170386
93-72-1	2,4,5-TP (Silvex)	46.5	P	1	7.80	20.0	ug/L	11/04/25 12:59	PB170386
SURROGATES									
19719-28-9	2,4-DCAA	470			61 - 136	94%	SPK: 500		

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS110425\
 Data File : PS032273.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 04 Nov 2025 12:59
 Operator : AR\AJ
 Sample : Q3368-06MSD
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 OUTSIDE-DUMPSTERMSD

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 11/05/2025
 Supervised By :Yogesh Patel 11/05/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 05 00:25:55 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110325.M
 Quant Title : 8080.M
 QLast Update : Tue Nov 04 04:59:50 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
4) S	2,4-DCAA	7.278	7.610	1808.0E6	1713.0E6	398.999	469.904m
Target Compounds							
1) T	Dalapon	2.643	2.606	539.6E6	5410.4E6	75.168m	778.026m#
2) T	3,5-DICHL...	6.447	6.580	1354.0E6	1161.7E6	209.397	193.330
5) T	DICAMBA	7.463	7.804	3670.6E6	3584.1E6	194.560	207.505m
6) T	MCP	7.638	7.899	157.2E6	223.1E6	14.437	16.776
7) T	MCPA	7.787	8.144	318.5E6	165.2E6	23.726	10.133m#
8) T	DICHLORPROP	8.170	8.516	1154.7E6	1013.1E6	259.560	212.427m
9) T	2,4-D	8.406	8.854	1085.0E6	1520.8E6	240.482	289.924
10) T	Pentachlo...	8.699	9.355	7501.4E6	7256.1E6	119.565	123.608m
11) T	2,4,5-TP ...	9.275	9.743	6675.1E6	12493.6E6	256.621	465.243m#
12) T	2,4,5-T	9.572	10.167	5287.0E6	5987.0E6	221.789m	252.425m
13) T	2,4-DB	10.148	10.730	871.2E6	823.8E6	330.606	218.446m#
14) T	DINOSEB	11.343	11.103	1139.8E6	1362.3E6	54.777	77.022 #
15) T	Picloram	11.174	12.214	5588.3E6	7254.5E6	263.281	195.107 #
16) T	DCPA	11.642	12.136	7704.7E6	7873.4E6	229.633	247.122m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS110425\
Data File : PS032273.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Nov 2025 12:59
Operator : AR\AJ
Sample : Q3368-06MSD
Misc :
ALS Vial : 9 Sample Multiplier: 1

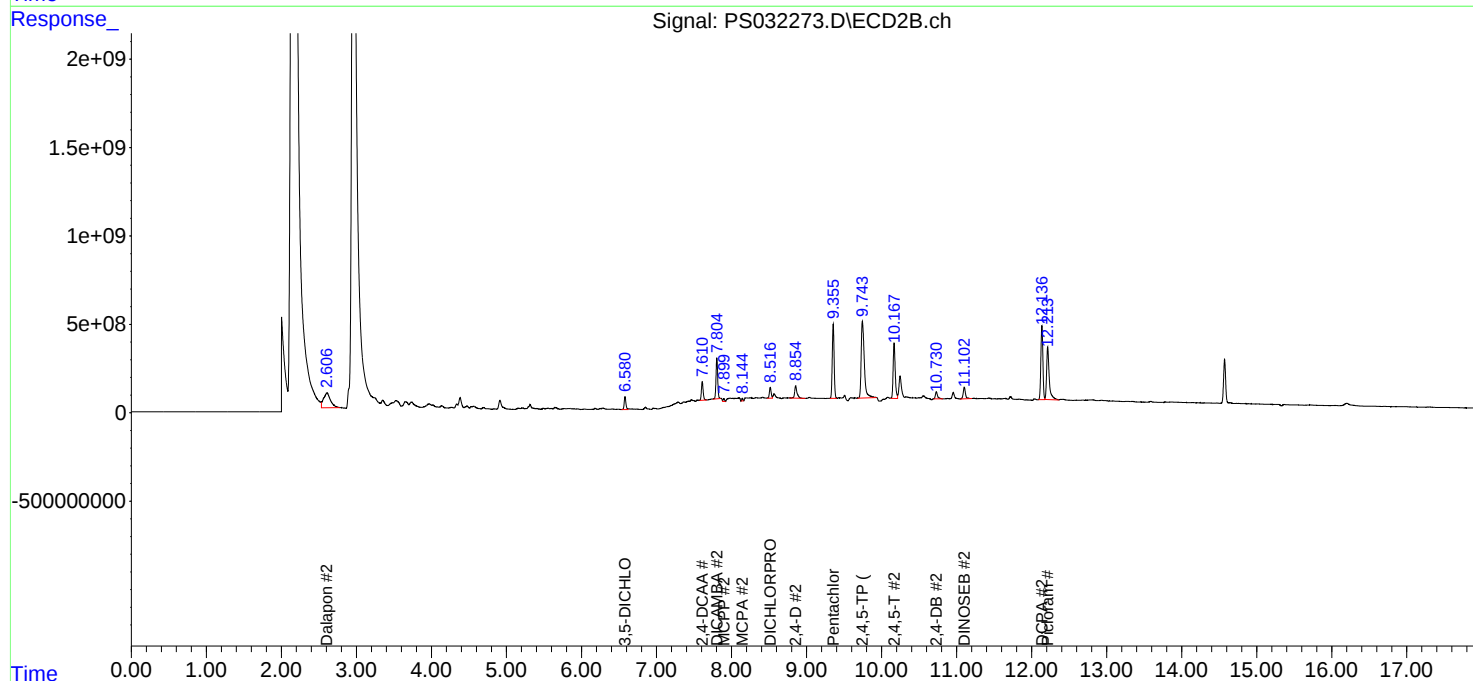
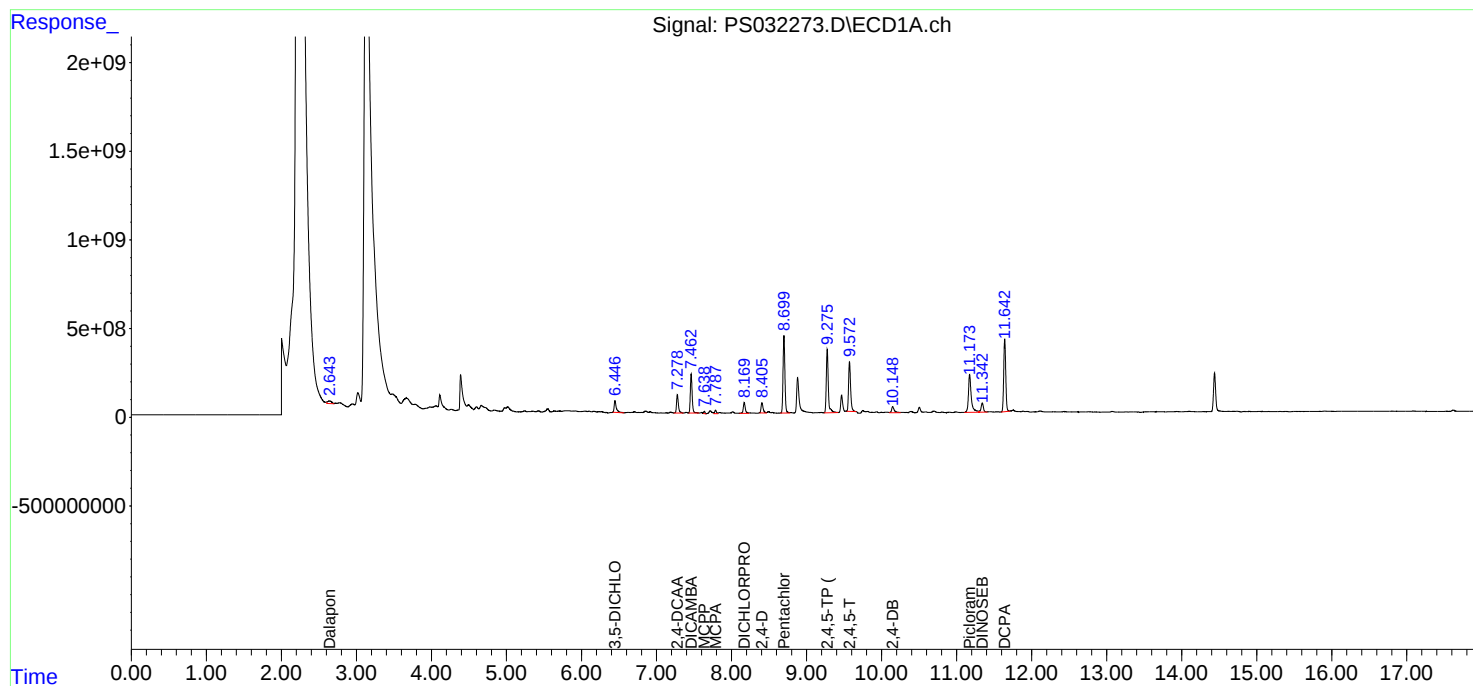
Instrument :
ECD_S
ClientSampleId :
OUTSIDE-DUMPSTERMSD

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 11/05/2025
Supervised By :Yogesh Patel 11/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 05 00:25:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110325.M
Quant Title : 8080.M
QLast Update : Tue Nov 04 04:59:50 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Manual Integration Report

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



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

Manual Integration Report

Sequence:

PS110325

Instrument

ECD_s

Sample ID

File ID

Parameter

Review By

Review On

Supervised
By

Supervised On

Reason

Manual Integration Report

Sequence:	ps110425	Instrument	ECD_s
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q3368-06MS	PS032272.D	2,4,5-T	rahul	11/5/2025 8:31:18 AM	yogesh	11/5/2025 8:40:51	Peak Integrated by Software
Q3368-06MS	PS032272.D	Dalapon	rahul	11/5/2025 8:31:18 AM	yogesh	11/5/2025 8:40:51	Peak Integrated by Software
Q3368-06MS	PS032272.D	Dalapon #2	rahul	11/5/2025 8:31:18 AM	yogesh	11/5/2025 8:40:51	Peak Integrated by Software
Q3368-06MS	PS032272.D	DCPA #2	rahul	11/5/2025 8:31:18 AM	yogesh	11/5/2025 8:40:51	Peak Integrated by Software
Q3368-06MS	PS032272.D	MCPA #2	rahul	11/5/2025 8:31:18 AM	yogesh	11/5/2025 8:40:51	Peak Integrated by Software
Q3368-06MS	PS032272.D	Pentachlorophenol #2	rahul	11/5/2025 8:31:18 AM	yogesh	11/5/2025 8:40:51	Peak Integrated by Software
Q3368-06MSD	PS032273.D	2,4,5-T	rahul	11/5/2025 8:31:21 AM	yogesh	11/5/2025 8:40:52	Peak Integrated by Software
Q3368-06MSD	PS032273.D	2,4,5-T #2	rahul	11/5/2025 8:31:21 AM	yogesh	11/5/2025 8:40:52	Peak Integrated by Software
Q3368-06MSD	PS032273.D	2,4,5-TP (SILVEX) #2	rahul	11/5/2025 8:31:21 AM	yogesh	11/5/2025 8:40:52	Peak Integrated by Software
Q3368-06MSD	PS032273.D	2,4-DB #2	rahul	11/5/2025 8:31:21 AM	yogesh	11/5/2025 8:40:52	Peak Integrated by Software
Q3368-06MSD	PS032273.D	2,4-DCAA #2	rahul	11/5/2025 8:31:21 AM	yogesh	11/5/2025 8:40:52	Peak Integrated by Software
Q3368-06MSD	PS032273.D	Dalapon	rahul	11/5/2025 8:31:21 AM	yogesh	11/5/2025 8:40:52	Peak Integrated by Software
Q3368-06MSD	PS032273.D	Dalapon #2	rahul	11/5/2025 8:31:21 AM	yogesh	11/5/2025 8:40:52	Peak Integrated by Software

Manual Integration Report

Sequence:	ps110425	Instrument	ECD_s
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q3368-06MSD	PS032273.D	DCPA #2	rahul	11/5/2025 8:31:21 AM	yogesh	11/5/2025 8:40:52	Peak Integrated by Software
Q3368-06MSD	PS032273.D	DICAMBA #2	rahul	11/5/2025 8:31:21 AM	yogesh	11/5/2025 8:40:52	Peak Integrated by Software
Q3368-06MSD	PS032273.D	DICHLORPROP #2	rahul	11/5/2025 8:31:21 AM	yogesh	11/5/2025 8:40:52	Peak Integrated by Software
Q3368-06MSD	PS032273.D	MCPA #2	rahul	11/5/2025 8:31:21 AM	yogesh	11/5/2025 8:40:52	Peak Integrated by Software
Q3368-06MSD	PS032273.D	Pentachlorophenol #2	rahul	11/5/2025 8:31:21 AM	yogesh	11/5/2025 8:40:52	Peak Integrated by Software
Q3368-07	PS032274.D	2,4-DCAA	rahul	11/5/2025 8:31:24 AM	yogesh	11/5/2025 8:40:54	Peak Integrated by Software
HSTDCCC750	PS032276.D	2,4-DB	rahul	11/5/2025 2:53:29 PM	yogesh	11/5/2025 2:53:36	Peak Integrated by Software
HSTDCCC750	PS032276.D	2,4-DCAA	rahul	11/5/2025 2:53:29 PM	yogesh	11/5/2025 2:53:36	Peak Integrated by Software
HSTDCCC750	PS032276.D	4-Nitrophenol	rahul	11/5/2025 2:53:29 PM	yogesh	11/5/2025 2:53:36	Peak Integrated by Software
HSTDCCC750	PS032276.D	4-Nitrophenol #2	rahul	11/5/2025 2:53:29 PM	yogesh	11/5/2025 2:53:36	Peak Integrated by Software
HSTDCCC750	PS032276.D	DCPA #2	rahul	11/5/2025 2:53:29 PM	yogesh	11/5/2025 2:53:36	Peak Integrated by Software
HSTDCCC750	PS032276.D	Picloram	rahul	11/5/2025 2:53:29 PM	yogesh	11/5/2025 2:53:36	Peak Integrated by Software



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

Manual Integration Report

Sequence:

ps110425

Instrument

ECD_s

Sample ID

File ID

Parameter

Review By

Review On

Supervised
By

Supervised On

Reason

Manual Integration Report

Sequence:

pS110625

Instrument

ECD_s

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
HSTDCCC750	PS032279.D	4-Nitrophenol	rahul	11/7/2025 10:36:38 AM	yogesh	11/7/2025 10:56:58	Peak Integrated by Software
HSTDCCC750	PS032279.D	DCPA #2	rahul	11/7/2025 10:36:38 AM	yogesh	11/7/2025 10:56:58	Peak Integrated by Software
HSTDCCC750	PS032288.D	DCPA #2	rahul	11/7/2025 10:36:43 AM	yogesh	11/7/2025 10:57:04	Peak Integrated by Software
HSTDCCC750	PS032299.D	2,4-DCAA	rahul	11/7/2025 10:36:56 AM	yogesh	11/7/2025 10:57:16	Peak Integrated by Software
HSTDCCC750	PS032307.D	2,4-DCAA	rahul	11/7/2025 10:37:14 AM	yogesh	11/7/2025 10:57:32	Peak Integrated by Software
HSTDCCC750	PS032307.D	DICHLORPROP	rahul	11/7/2025 10:37:14 AM	yogesh	11/7/2025 10:57:32	Peak Integrated by Software

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS110325

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

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

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS110325

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

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

M : Manual Integration

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS110425

Review By	rahul	Review On	11/5/2025 8:31:36 AM
Supervise By	yogesh	Supervise On	11/5/2025 10:23:12 AM
SubDirectory	PS110425	HP Acquire Method	HP Processing Method ps110325 8151
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24945,PP25043,PP25044,PP25045,PP25047,PP25049		
CCC Internal Standard/PEM	PP25045		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24923		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PS032265.D	04 Nov 2025 09:07	AR\AJ	Ok
2	I.BLK	PS032266.D	04 Nov 2025 09:31	AR\AJ	Ok
3	HSTDCCC750	PS032267.D	04 Nov 2025 09:55	AR\AJ	Ok
4	PB170386BL	PS032268.D	04 Nov 2025 10:59	AR\AJ	Not Ok
5	PB170386BS	PS032269.D	04 Nov 2025 11:23	AR\AJ	Ok
6	PB170386TB	PS032270.D	04 Nov 2025 11:47	AR\AJ	Not Ok
7	Q3368-06	PS032271.D	04 Nov 2025 12:11	AR\AJ	Ok
8	Q3368-06MS	PS032272.D	04 Nov 2025 12:35	AR\AJ	Ok,M
9	Q3368-06MSD	PS032273.D	04 Nov 2025 12:59	AR\AJ	Ok,M
10	Q3368-07	PS032274.D	04 Nov 2025 13:23	AR\AJ	Ok,M
11	I.BLK	PS032275.D	04 Nov 2025 13:48	AR\AJ	Ok
12	HSTDCCC750	PS032276.D	04 Nov 2025 14:42	AR\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS110625

Review By	rahul	Review On	11/6/2025 3:58:37 PM
Supervise By	yogesh	Supervise On	11/7/2025 1:01:41 PM
SubDirectory	PS110625	HP Acquire Method	HP Processing Method ps110325 8151
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24945,PP25043,PP25044,PP25045,PP25047,PP25049		
CCC Internal Standard/PEM	PP25045		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24923		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PS032277.D	06 Nov 2025 10:11	AR\AJ	Ok
2	I.BLK	PS032278.D	06 Nov 2025 10:35	AR\AJ	Ok
3	HSTDCCC750	PS032279.D	06 Nov 2025 11:39	AR\AJ	Ok,M
4	PB170416BL	PS032280.D	06 Nov 2025 12:11	AR\AJ	Ok
5	PB170416BS	PS032281.D	06 Nov 2025 12:35	AR\AJ	Not Ok
6	PB170416BSD	PS032282.D	06 Nov 2025 12:59	AR\AJ	Ok
7	PB170386BL	PS032283.D	06 Nov 2025 13:23	AR\AJ	Ok
8	PB170172TB	PS032284.D	06 Nov 2025 13:47	AR\AJ	Ok
9	Q3537-03	PS032285.D	06 Nov 2025 14:11	AR\AJ	Ok
10	Q3541-01	PS032286.D	06 Nov 2025 14:35	AR\AJ	Ok
11	I.BLK	PS032287.D	06 Nov 2025 14:59	AR\AJ	Ok
12	HSTDCCC750	PS032288.D	06 Nov 2025 15:23	AR\AJ	Ok,M
13	PB170418BL	PS032289.D	06 Nov 2025 15:47	AR\AJ	Ok
14	PB170418BS	PS032290.D	06 Nov 2025 16:12	AR\AJ	Ok,M
15	Q3532-01	PS032291.D	06 Nov 2025 16:36	AR\AJ	Ok
16	Q3532-01MS	PS032292.D	06 Nov 2025 17:00	AR\AJ	Ok,M
17	Q3532-01MSD	PS032293.D	06 Nov 2025 17:24	AR\AJ	Ok,M
18	Q3532-05	PS032294.D	06 Nov 2025 17:48	AR\AJ	Ok,M
19	Q3537-01	PS032295.D	06 Nov 2025 18:12	AR\AJ	Ok
20	Q3544-01	PS032296.D	06 Nov 2025 18:36	AR\AJ	Ok
21	Q3546-01	PS032297.D	06 Nov 2025 19:00	AR\AJ	Ok

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS110625

Review By	rahul	Review On	11/6/2025 3:58:37 PM
Supervise By	yogesh	Supervise On	11/7/2025 1:01:41 PM
SubDirectory	PS110625	HP Acquire Method	HP Processing Method ps110325 8151
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24945,PP25043,PP25044,PP25045,PP25047,PP25049		
CCC Internal Standard/PEM	PP25045		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24923		

22	I.BLK	PS032298.D	06 Nov 2025 19:24	AR\AJ	Ok
23	HSTDCCC750	PS032299.D	06 Nov 2025 19:48	AR\AJ	Ok,M
24	Q3530-01	PS032300.D	06 Nov 2025 20:37	AR\AJ	Not Ok
25	Q3530-01	PS032301.D	06 Nov 2025 21:01	AR\AJ	Not Ok
26	Q3530-02	PS032302.D	06 Nov 2025 21:25	AR\AJ	Not Ok
27	Q3530-07	PS032303.D	06 Nov 2025 21:49	AR\AJ	Not Ok
28	Q3530-07	PS032304.D	06 Nov 2025 22:13	AR\AJ	Not Ok
29	Q3530-08	PS032305.D	06 Nov 2025 22:37	AR\AJ	Not Ok
30	I.BLK	PS032306.D	06 Nov 2025 23:01	AR\AJ	Ok
31	HSTDCCC750	PS032307.D	06 Nov 2025 23:25	AR\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS110325

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

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

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

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS110325

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

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

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS110325

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

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

M : Manual Integration

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS110425

Review By	rahul	Review On	11/5/2025 8:31:36 AM
Supervise By	yogesh	Supervise On	11/5/2025 10:23:12 AM
SubDirectory	PS110425	HP Acquire Method	HP Processing Method ps110325 8151

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

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PS032265.D	04 Nov 2025 09:07		AR\AJ	Ok
2	I.BLK	I.BLK	PS032266.D	04 Nov 2025 09:31		AR\AJ	Ok
3	HSTDCCC750	HSTDCCC750	PS032267.D	04 Nov 2025 09:55		AR\AJ	Ok
4	PB170386BL	PB170386BL	PS032268.D	04 Nov 2025 10:59	Surrogate low in 2nd column	AR\AJ	Not Ok
5	PB170386BS	PB170386BS	PS032269.D	04 Nov 2025 11:23		AR\AJ	Ok
6	PB170386TB	PB170386TB	PS032270.D	04 Nov 2025 11:47	Surrogate low in both column	AR\AJ	Not Ok
7	Q3368-06	OUTSIDE-DUMPSTER	PS032271.D	04 Nov 2025 12:11		AR\AJ	Ok
8	Q3368-06MS	OUTSIDE-DUMPSTER	PS032272.D	04 Nov 2025 12:35	some compound recovery fail	AR\AJ	Ok,M
9	Q3368-06MSD	OUTSIDE-DUMPSTER	PS032273.D	04 Nov 2025 12:59	some compound recovery fail	AR\AJ	Ok,M
10	Q3368-07	PRESS-SLUDGE	PS032274.D	04 Nov 2025 13:23		AR\AJ	Ok,M
11	I.BLK	I.BLK	PS032275.D	04 Nov 2025 13:48		AR\AJ	Ok
12	HSTDCCC750	HSTDCCC750	PS032276.D	04 Nov 2025 14:42	Comp#15 high in 1st column	AR\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS110625

Review By	rahul	Review On	11/6/2025 3:58:37 PM
Supervise By	yogesh	Supervise On	11/7/2025 1:01:41 PM
SubDirectory	PS110625	HP Acquire Method	HP Processing Method ps110325 8151

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

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PS032277.D	06 Nov 2025 10:11		AR\AJ	Ok
2	I.BLK	I.BLK	PS032278.D	06 Nov 2025 10:35		AR\AJ	Ok
3	HSTDCCC750	HSTDCCC750	PS032279.D	06 Nov 2025 11:39		AR\AJ	Ok,M
4	PB170416BL	PB170416BL	PS032280.D	06 Nov 2025 12:11		AR\AJ	Ok
5	PB170416BS	PB170416BS	PS032281.D	06 Nov 2025 12:35	Dinoseb high in 2nd column	AR\AJ	Not Ok
6	PB170416BSD	PB170416BSD	PS032282.D	06 Nov 2025 12:59		AR\AJ	Ok
7	PB170386BL	PB170386BL	PS032283.D	06 Nov 2025 13:23		AR\AJ	Ok
8	PB170172TB	PB170172TB	PS032284.D	06 Nov 2025 13:47		AR\AJ	Ok
9	Q3537-03	MW-17-PURGE-WATER	PS032285.D	06 Nov 2025 14:11		AR\AJ	Ok
10	Q3541-01	N48969	PS032286.D	06 Nov 2025 14:35		AR\AJ	Ok
11	I.BLK	I.BLK	PS032287.D	06 Nov 2025 14:59		AR\AJ	Ok
12	HSTDCCC750	HSTDCCC750	PS032288.D	06 Nov 2025 15:23		AR\AJ	Ok,M
13	PB170418BL	PB170418BL	PS032289.D	06 Nov 2025 15:47		AR\AJ	Ok
14	PB170418BS	PB170418BS	PS032290.D	06 Nov 2025 16:12		AR\AJ	Ok,M
15	Q3532-01	TP-1	PS032291.D	06 Nov 2025 16:36		AR\AJ	Ok
16	Q3532-01MS	TP-1MS	PS032292.D	06 Nov 2025 17:00	some compound recovery fail	AR\AJ	Ok,M
17	Q3532-01MSD	TP-1MSD	PS032293.D	06 Nov 2025 17:24	some compound recovery fail , RPD fail	AR\AJ	Ok,M

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS110625

Review By	rahul	Review On	11/6/2025 3:58:37 PM
Supervise By	yogesh	Supervise On	11/7/2025 1:01:41 PM
SubDirectory	PS110625	HP Acquire Method	HP Processing Method ps110325 8151
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24945,PP25043,PP25044,PP25045,PP25047,PP25049		
CCC	PP25045		
Internal Standard/PEM			
ICV/I.BLK	PP24923		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

18	Q3532-05	TP-2	PS032294.D	06 Nov 2025 17:48		AR\AJ	Ok,M
19	Q3537-01	MW-17-SOIL	PS032295.D	06 Nov 2025 18:12		AR\AJ	Ok
20	Q3544-01	ONYX-1	PS032296.D	06 Nov 2025 18:36		AR\AJ	Ok
21	Q3546-01	TP-COMP	PS032297.D	06 Nov 2025 19:00		AR\AJ	Ok
22	I.BLK	I.BLK	PS032298.D	06 Nov 2025 19:24		AR\AJ	Ok
23	HSTDCCC750	HSTDCCC750	PS032299.D	06 Nov 2025 19:48		AR\AJ	Ok,M
24	Q3530-01	LOD-MDL-SOIL-01-QT4-202	PS032300.D	06 Nov 2025 20:37	LOD 100 PPB , F Flag in comp#3 in 1st column , F Flag in comp#15 in 2nd column ,Some compound recovery low	AR\AJ	Not Ok
25	Q3530-01	LOD-MDL-SOIL-01-QT4-202	PS032301.D	06 Nov 2025 21:01	LOD 150 PPB , Some compound recovery low , F Flag in comp#15 in 2nd column	AR\AJ	Not Ok
26	Q3530-02	LOQ-SOIL-02-QT4-202	PS032302.D	06 Nov 2025 21:25	LOQ 200 PPB , Some compound recovery low	AR\AJ	Not Ok
27	Q3530-07	LOD-MDL-WATER-01-QT4-202	PS032303.D	06 Nov 2025 21:49	LOD 100 PPB , F Flag in comp#15 in both column , Some compound recovery low	AR\AJ	Not Ok
28	Q3530-07	LOD-MDL-WATER-01-QT4-202	PS032304.D	06 Nov 2025 22:13	LOD 150 PPB , F Flag in comp#15 in 2nd column , Some compound recovery low	AR\AJ	Not Ok
29	Q3530-08	LOQ-WATER-02-QT4-202	PS032305.D	06 Nov 2025 22:37	LOQ 200 PPB , Some compound recovery low	AR\AJ	Not Ok
30	I.BLK	I.BLK	PS032306.D	06 Nov 2025 23:01		AR\AJ	Ok
31	HSTDCCC750	HSTDCCC750	PS032307.D	06 Nov 2025 23:25		AR\AJ	Ok,M

M : Manual Integration

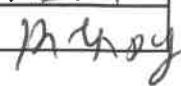
SOP ID :	M1311-TCLP-16	
SDG No :	N/A	Start Prep Date : 10/21/2025 Time : 14:00
Weigh By :	JP	End Prep Date : 10/22/2025 Time : 07:20
Balance ID :	WC SC-7	Combination Ratio : 20
pH Meter ID :	WC PH METER-1	ZHE Cleaning Batch : NA 10
Extraction By :	JP	Initial Room Temperature: 22 °C
Filter By :	JP	Final Room Temperature: 21 °C
Pipette ID :	WC	TCLP Technician Signature : 
Tumbler ID :	T-1 / T-2	Supervisor By : 12
TCLP Filter ID :	40718710	

Standard Name	MLS USED	STD REF. # FROM LOG
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Chemical Used	ML/SAMPLE U	Lot Number
TCLP-FLUID-1	N/A	WP114525
HCL-TCLP,1N	N/A	WP114527
HNO3-TCLP,1N	N/A	WP114528
N/A	N/A	W1931,W1934,W3171,W3172
pH Strips	W1940,W1941,W1942	W3166,W1938,W1939,
1 Liter Amber	N/A	90924-08
120ml Plastic bottle	N/A	2738
1:1 HNO3	N/A	MP86978

Extraction Conformance/Non-Conformance Comments:

Matrix spikes are added after filtration and before preservation. TUMBLER T-1 / T-2 checked,30 rpm. q3412-04 is used for MS-MSD.

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
10/22/25 09:30	 / CO Room	SKG. ET / EXT
	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
PB170172TB	LEB172	14	N/A	2000	N/A	N/A	N/A	4.94	1.5	T-2
Q3368-06	OUTSIDE-DUMPSTER	01	100.02	2000	N/A	N/A	N/A	5.5	1.0	T-1
Q3368-07	PRESS-SLUDGE	02	100.03	2000	N/A	N/A	N/A	3.5	1.0	T-1
Q3397-04	TP-7-WC	03	100.02	2000	N/A	N/A	N/A	5.6	1.5	T-1
Q3399-02	COMP-ROLLOFF	04	100.02	2000	N/A	N/A	N/A	4.5	1.0	T-1
Q3402-03	41-LA	05	100.03	2000	N/A	N/A	N/A	5.6	1.0	T-1
Q3402-06	41-RA	06	100.02	2000	N/A	N/A	N/A	5.5	1.5	T-1
Q3402-09	41-LB	07	100.01	2000	N/A	N/A	N/A	5.5	1.5	T-1
Q3402-12	41-RB	08	100.02	2000	N/A	N/A	N/A	5.6	1.0	T-1
Q3403-04	MH-18	09	100.03	2000	N/A	N/A	N/A	3.0	1.0	T-1
Q3404-02	MOO-25-0285-0288	10	100.02	2000	N/A	N/A	N/A	4.5	1.5	T-1
Q3404-06	MOO-25-0292	11	100.01	2000	N/A	N/A	N/A	3.0	1.0	T-2
Q3406-02	ARS20-0037	12	100.02	2000	N/A	N/A	N/A	3.5	1.5	T-2
Q3412-04	TP-6	13	100.03	2000	N/A	N/A	N/A	6.2	1.0	T-2

SampleID	ClientID	Sample Weight (g)	Filter Weight (g)	Filtrate (mL)	Filter + Solid (After 100°C)	% solids	% Dry Solids
PB170172TB	LEB172	N/A	N/A	N/A	N/A	N/A	N/A
Q3368-06	OUTSIDE-DUMPSTER	N/A	N/A	N/A	N/A	100	N/A
Q3368-07	PRESS-SLUDGE	N/A	N/A	N/A	N/A	100	N/A
Q3397-04	TP-7-WC	N/A	N/A	N/A	N/A	100	N/A
Q3399-02	COMP-ROLLOFF	N/A	N/A	N/A	N/A	100	N/A
Q3402-03	41-LA	N/A	N/A	N/A	N/A	100	N/A
Q3402-06	41-RA	N/A	N/A	N/A	N/A	100	N/A
Q3402-09	41-LB	N/A	N/A	N/A	N/A	100	N/A
Q3402-12	41-RB	N/A	N/A	N/A	N/A	100	N/A
Q3403-04	MH-18	N/A	N/A	N/A	N/A	100	N/A
Q3404-02	MOO-25-0285-0288	N/A	N/A	N/A	N/A	100	N/A
Q3404-06	MOO-25-0292	N/A	N/A	N/A	N/A	100	N/A
Q3406-02	ARS20-0037	N/A	N/A	N/A	N/A	100	N/A
Q3412-04	TP-6	N/A	N/A	N/A	N/A	100	N/A

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

SampleID	ClientID	Sample Weight (g)	Volume DI Water (mL)	PH after 5 min stir	PH after 10 min stir	Extraction Fluid 1 or 2	pH Extraction Fluid
PB170172TB	LEB172	N/A	N/A	N/A	N/A	#1	4.94
Q3368-06	OUTSIDE-DUMPSTER	5.02	96.5	7.0	2.5	#1	4.94
Q3368-07	PRESS-SLUDGE	5.01	96.5	5.5	1.5	#1	4.94
Q3397-04	TP-7-WC	5.03	96.5	7.6	2.5	#1	4.94
Q3399-02	COMP-ROLLOFF	5.02	96.5	7.0	2.0	#1	4.94
Q3402-03	41-LA	5.01	96.5	7.6	2.5	#1	4.94
Q3402-06	41-RA	5.02	96.5	7.2	2.0	#1	4.94
Q3402-09	41-LB	5.02	96.5	7.2	2.5	#1	4.94
Q3402-12	41-RB	5.03	96.5	7.2	2.5	#1	4.94
Q3403-04	MH-18	5.02	96.5	5.6	1.5	#1	4.94
Q3404-02	MOO-25-0285-0288	5.03	96.5	6.0	2.0	#1	4.94
Q3404-06	MOO-25-0292	5.02	96.5	5.6	1.5	#1	4.94
Q3406-02	ARS20-0037	5.01	96.5	6.0	2.0	#1	4.94
Q3412-04	TP-6	5.02	96.5	8.6	3.0	#1	4.94

WORKLIST(Hardcopy Internal Chain)

WorkList Name : TCLP Q3406 WorkList ID : 192576 Department : TCLP Extraction Date : 10-21-2025 09:34:36

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3368-06	OUTSIDE-DUMPSTER	Solid	TCLP Extraction	Cool 4 deg C	ARAM01	D41	10/16/2025	1311
Q3368-07	PRESS-SLUDGE	Solid	TCLP Extraction	Cool 4 deg C	ARAM01	D41	10/16/2025	1311
Q3397-04	TP-7-WC	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	D31	10/18/2025	1311
Q3399-02	COMP-ROLLOFF	Solid	TCLP Extraction	Cool 4 deg C	ICES02	D41	10/20/2025	1311
Q3402-03	41-LA	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	D31	10/20/2025	1311
Q3402-06	41-RA	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	D31	10/20/2025	1311
Q3402-09	41-LB	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	D31	10/20/2025	1311
Q3402-12	41-RB	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	D31	10/20/2025	1311
Q3403-04	MH-18	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	D41	10/20/2025	1311
Q3404-02	MOO-25-0285-0288	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	D41	10/20/2025	1311
Q3404-06	MOO-25-0292	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	D41	10/20/2025	1311
Q3406-02	ARS20-0037	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	D41	10/20/2025	1311
Q3412-04	TP-6	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	D31	10/20/2025	1311

Date/Time 10/21/25 12:00
 Raw Sample Received by: SP gwc
 Raw Sample Relinquished by: SP gwc

Date/Time 10/21/25 15:30
 Raw Sample Received by: CP SA
 Raw Sample Relinquished by: SP gwc

SOP ID: M8151A-Herbicide-23

Clean Up SOP #: N/A

Matrix : Water

Weigh By: N/A

Balance check: N/A

Balance ID: N/A

pH Strip Lot#: E3953

Extraction By: RS

Filter By: RS

pH Meter ID: N/A

Hood ID: 4,7

Extraction Start Date : 11/03/2025

Extraction Start Time : 09:15

Extraction End Date : 11/03/2025

Extraction End Time : 15:45

Concentration By: EH

Supervisor By : RUPESH

Extraction Method: ☒ Separatory Funnel ☐ Continous Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☐ Soxhlet

Standard Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	5/500 PPM	PP24929
Surrogate	1.0ML	5000 PPB	PP24999
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
Ether	N/A	E3969
Acidified Na2SO4	N/A	EP2633
12N H2SO4	N/A	EP2653
NAOH 6N	N/A	EP2654
ISO OCTANE	N/A	E3983
METHANOL	N/A	V14931
Diazomethane	N/A	EP2656
Hexane	N/A	E3981
NACL	N/A	M4459
1 Liter Amber	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. Samples are Extracted out of holding times.

KD Bath ID: N/A

KD Bath Temperature: N/A

Envap ID: NEVAP-02

Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
11/3/25	RS (Ext Lab)	Y. P. Pest IPCB.
15:50	Preparation Group	Analysis Group

Analytical Method: M8151A-Herbicide-23

Concentration Date: 11/03/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB170386BL	HBLK386	TCLP Herbicide	1000	6	RUPESH	ritesh	10			SEP-1
PB170386BS	HLCS386	TCLP Herbicide	1000	6	RUPESH	ritesh	10			2
<i>RU</i> <i>ITB</i> PB170386TB i70172TB	PB170386TB i70172TB	TCLP Herbicide	100	6	RUPESH	ritesh	10			3
Q3368-06	OUTSIDE-DUMPSTER	TCLP Herbicide	100	6	RUPESH	ritesh	10	A		4
Q3368-06MS	OUTSIDE-DUMPSTERMS	TCLP Herbicide	100	6	RUPESH	ritesh	10	A		5
Q3368-06MS D	OUTSIDE-DUMPSTERMSD	TCLP Herbicide	100	6	RUPESH	ritesh	10	A		6
Q3368-07	PRESS-SLUDGE	TCLP Herbicide	100	6	RUPESH	ritesh	10	A		7

Rs
11/03

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
PB170172TB	LEB172	14	N/A	2000	N/A	N/A	N/A	4.94	1.5	T-2
Q3368-06	OUTSIDE-DUMPSTER	01	100.02	2000	N/A	N/A	N/A	5.5	1.0	T-1
Q3368-07	PRESS-SLUDGE	02	100.03	2000	N/A	N/A	N/A	3.5	1.0	T-1
Q3397-04	TP-7-WC	03	100.02	2000	N/A	N/A	N/A	5.6	1.5	T-1
Q3399-02	COMP-ROLLOFF	04	100.02	2000	N/A	N/A	N/A	4.5	1.0	T-1
Q3402-03	41-LA	05	100.03	2000	N/A	N/A	N/A	5.6	1.0	T-1
Q3402-06	41-RA	06	100.02	2000	N/A	N/A	N/A	5.5	1.5	T-1
Q3402-09	41-LB	07	100.01	2000	N/A	N/A	N/A	5.5	1.5	T-1
Q3402-12	41-RB	08	100.02	2000	N/A	N/A	N/A	5.6	1.0	T-1
Q3403-04	MH-18	09	100.03	2000	N/A	N/A	N/A	3.0	1.0	T-1
Q3404-02	MOO-25-0285-0288	10	100.02	2000	N/A	N/A	N/A	4.5	1.5	T-1
Q3404-06	MOO-25-0292	11	100.01	2000	N/A	N/A	N/A	3.0	1.0	T-2
Q3406-02	ARS20-0037	12	100.02	2000	N/A	N/A	N/A	3.5	1.5	T-2
Q3412-04	TP-6	13	100.03	2000	N/A	N/A	N/A	6.2	1.0	T-2

10/22/25
09130

Prep Standard - Chemical Standard Summary

Order ID : Q3368

Test : TCLP Herbicide

Prepbatch ID : PB170386,

Sequence ID/Qc Batch ID: ps110425,pS110625,

Standard ID :

EP2633,EP2653,EP2654,PP24921,PP24922,PP24923,PP24929,PP24945,PP24999,PP25043,PP25044,PP25045,PP25047,PP25049,

Chemical ID :

E3875,E3882,E3952,E3966,E3969,E3972,E3974,E3978,E3983,M6157,M6186,P12621,P12662,P12687,P13547,P13548,P13549,P13550,P14071,P14073,P14142,P14143,P14144,P14145,P14162,P8830,W3112,W3240,



<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
601	Acidified Sodium Sulphate 2	EP2633	08/15/2025	11/07/2025	RUPESHKUMAR SHAH	Extraction_SCALE_2 (EX-SC-2)	None	Riteshkumar Patel 08/18/2025
<u>FROM</u>	1000.00000ml of E3952 + 150.00000ml of M6157 + 3000.00000ml of E3875 = Final Quantity: 3000.000 gram							

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3883	12N H2SO4 solution	EP2653	10/22/2025	04/22/2026	RUPESHKUMAR SHAH	None	None	Yogesh Patel 11/06/2025
<u>FROM</u> 333.00000ml of M6186 + 667.00000ml of W3112 = Final Quantity: 1000.000 ml								



<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3884	6 N NAOH	EP2654	10/22/2025	04/22/2026	RUPESHKUMAR SHAH	Extraction_SCALE_2 (EX-SC-2)	None	Yogesh Patel 11/06/2025
<u>FROM</u>	1000.00000ml of W3112 + 240.00000gram of E3882 = Final Quantity: 1000.000 ml							

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1851	2/200 PPM Herb Mega Mix 2nd Source	PP24921	08/07/2025	02/07/2026	Abdul Mirza	None	None	Yogesh Patel 09/22/2025
<u>FROM</u> 0.50000ml of P14071 + 1.00000ml of P13547 + 48.50000ml of E3966 = Final Quantity: 50.000 ml								

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1854	1000 PPB HERB MIX ICV STD	PP24922	08/07/2025	02/07/2026	Abdul Mirza	None	None	Yogesh Patel
								09/22/2025

FROM 0.50000ml of E3966 + 0.50000ml of PP24921 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1691	750 PPB ICV HERB STD	PP24923	08/07/2025	02/07/2026	Abdul Mirza	None	None	Yogesh Patel
								09/22/2025

FROM 0.25000ml of E3966 + 0.75000ml of PP24922 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1848	5000/500000 PPB Herbicide Spike (Free Acid)	PP24929	09/18/2025	03/18/2026	Abdul Mirza	None	None	Yogesh Patel
								09/19/2025

FROM 0.50000ml of P13550 + 1.00000ml of P13548 + 1.00000ml of P13549 + 47.50000ml of E3972 = Final Quantity: 50.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1321	2/200 PPM Herb Mega Mix	PP24945	09/30/2025	03/30/2026	Abdul Mirza	None	None	Yogesh Patel
								10/10/2025

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



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

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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1453	1000 PPB Herb MIX STD	PP25044	11/07/2025	03/30/2026	Rahul Chavli	None	None	Yogesh Patel
								11/10/2025

FROM 0.50000ml of W3240 + 0.50000ml of PP24945 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1454	750 PPB Herb MIX STD	PP25045	11/07/2025	03/30/2026	Rahul Chavli	None	None	Yogesh Patel
								11/10/2025

FROM 0.25000ml of W3240 + 0.75000ml of PP25044 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1455	500 PPB Herb MIX STD	PP25047	11/07/2025	05/07/2026	Rahul Chavli	None	None	Yogesh Patel
								11/10/2025

FROM

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1456	200 PPB Herb MIX STD	PP25049	11/07/2025	03/30/2026	Rahul Chavli	None	None	Yogesh Patel
								11/10/2025

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	PC19631-100 / SODIUM SULFATE, ANHYDROUS, PEST GRADE, 1	417203	07/28/2026	07/28/2025 / RUPESH	01/29/2025 / Rajesh	E3875

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

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9244-03 / Ether, Anhydrous, Purified (cs/4x4L)	250419	05/31/2026	07/09/2025 / RUPESH	07/09/2025 / RUPESH	E3952

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	25C0362005	04/30/2026	08/22/2025 / RUPESH	08/20/2025 / RUPESH	E3966

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9244-03 / Ether, Anhydrous, Purified (cs/4x4L)	250419	05/31/2026	09/05/2025 / Riteshkumar	09/04/2025 / Riteshkumar	E3969

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H1462005	05/24/2027	09/16/2025 / Evelyn	09/04/2025 / Riteshkumar	E3972

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	25C0362006	04/10/2027	09/26/2025 / Riteshkumar	09/26/2025 / Riteshkumar	E3974

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	25C0362006	04/13/2026	10/13/2025 / RUPESH	10/08/2025 / Riteshkumar	E3978

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

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9673-33 / Sulfuric Acid, Instra-Analyzed (cs/6c2.5L)	24i1262013	11/07/2025	05/07/2025 / RUPESH	02/18/2025 / Mohan	M6157

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9673-33 / Sulfuric Acid, Instra-Analyzed (cs/6c2.5L)	23D2462010	07/12/2026	08/13/2025 / Sagar	08/06/2025 / Sagar	M6186

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32062 / Herbicide Mix, 500/8000, Standard #4 [methyl ester] 200ug/mL, hexane, 1mL/ampul	A0154920	03/30/2026	09/30/2025 / Abdul	07/03/2023 / Abdul	P12621

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32055 / Herbicide Mix, 500/8000, Standard #1 [methyl ester] 200ug/mL, hexane, 1mL/ampul	A0199693	03/30/2026	09/30/2025 / Abdul	07/14/2023 / Ankita	P12662

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32059 / Herbicide Mix#3 (Methyl Ester), 20000 ug/ml	A0199844	03/30/2026	09/30/2025 / Abdul	07/24/2023 / Abdul	P12687

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agilent Technologies	HBM-8151A / Chlorinated Herbicide Mixtures, Free Acids	0006810955	02/07/2026	08/07/2025 / Abdul	09/24/2024 / Abdul	P13547

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agilent Technologies	HBM-8151A / Chlorinated Herbicide Mixtures, Free Acids	0006810955	02/07/2026	08/07/2025 / Abdul	09/24/2024 / Abdul	P13547

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agilent Technologies	HBM-8151A / Chlorinated Herbicide Mixtures, Free Acids	0006810955	03/18/2026	09/18/2025 / Abdul	09/24/2024 / Abdul	P13548

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agilent Technologies	HBM-8151A / Chlorinated Herbicide Mixtures, Free Acids	0006810955	03/18/2026	09/18/2025 / Abdul	09/24/2024 / Abdul	P13548

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agilent Technologies	HBM-8151A / Chlorinated Herbicide Mixtures, Free Acids	0006810955	03/18/2026	09/18/2025 / Abdul	09/24/2024 / Abdul	P13549

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agilent Technologies	HBM-8151A / Chlorinated Herbicide Mixtures, Free Acids	0006810955	03/18/2026	09/18/2025 / Abdul	09/24/2024 / Abdul	P13549

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agilent Technologies	HBM-8151A / Chlorinated Herbicide Mixtures, Free Acids	0006810955	03/18/2026	09/18/2025 / Abdul	09/24/2024 / Abdul	P13550

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agilent Technologies	HBM-8151A / Chlorinated Herbicide Mixtures, Free Acids	0006810955	03/18/2026	09/18/2025 / Abdul	09/24/2024 / Abdul	P13550

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32050 / Herbicide, 8000 series, 515 Surrogate [ester] 2,4-dichlorophenyl acetic acid methyl ester, 1mL, 200ug/mL, Hexane	A0221255	02/07/2026	08/07/2025 / Abdul	06/23/2025 / anahy	P14071

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32050 / Herbicide, 8000 series, 515 Surrogate [ester] 2,4-dichlorophenyl acetic acid methyl ester, 1mL, 200ug/mL, Hexane	A0221255	04/15/2026	10/15/2025 / Abdul	06/23/2025 / anahy	P14073

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32050 / Herbicide, 8000 series, 515 Surrogate [ester] 2,4-dichlorophenyl acetic acid methyl ester, 1mL, 200ug/mL, Hexane	A0221255	10/31/2031	10/15/2025 / Abdul	08/01/2025 / yogesh	P14142

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32050 / Herbicide, 8000 series, 515 Surrogate [ester] 2,4-dichlorophenyl acetic acid methyl ester, 1mL, 200ug/mL, Hexane	A0221255	04/15/2026	10/15/2025 / Abdul	08/01/2025 / yogesh	P14143

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32050 / Herbicide, 8000 series, 515 Surrogate [ester] 2,4-dichlorophenyl acetic acid methyl ester, 1mL, 200ug/mL, Hexane	A0221255	04/15/2026	10/15/2025 / Abdul	08/01/2025 / yogesh	P14144

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32050 / Herbicide, 8000 series, 515 Surrogate [ester] 2,4-dichlorophenyl acetic acid methyl ester, 1mL, 200ug/mL, Hexane	A0221255	04/15/2026	10/15/2025 / Abdul	08/01/2025 / yogesh	P14145

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32050 / Herbicide, 8000 series, 515 Surrogate [ester] 2,4-dichlorophenyl acetic acid methyl ester, 1mL, 200ug/mL, Hexane	A0172864	03/30/2026	09/30/2025 / Abdul	09/26/2025 / Abdul	P14162

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

CHEMICAL RECEIPT LOG BOOK

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

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	25C0362006	04/30/2026	09/15/2025 / JIGNESH	09/12/2025 / JIGNESH	W3240

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



Material No.: 9262-03

Batch No.: 25C0362006

Manufactured Date: 2025-01-29

Expiration Date: 2026-04-30

Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	6
ECD-Sensitive Impurities (as Ethylene Dibromide) - Single Impurity Peak (ng/mL)	≤ 5	4
Assay (Total Saturated C ₆ Isomers) (by GC, corrected for water)	$\geq 99.5 \%$	100.0 %
Assay (as n-Hexane) (by GC, corrected for water)	$\geq 95 \%$	100 %
Color (APHA)	≤ 10	10
Residue after Evaporation	≤ 1.0 ppm	0.2 ppm
Substances Darkened by H ₂ SO ₄	Passes Test	Passes Test
Water (by KF, coulometric)	$\leq 0.05 \%$	$< 0.01 \%$

For Laboratory, Research, or Manufacturing Use

MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States

Packaging Site: Phillipsburg Mfg Ctr & DC

E 3974

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials LLC



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

MIRADOR 201, COL. MIRADOR
MONTERREY, N.L. MÉXICO
CP 64070
TEL +52 81 13 52 67 67
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CERTIFICATE OF ANALYSIS

PRODUCT :	SODIUM SULFATE CRYSTALS ANHYDROUS		
QUALITY :	ACS (CODE RMB3375)	FORMULA :	Na ₂ SO ₄
SPECIFICATION NUMBER:	6399	RELEASE DATE:	MAY/23/2024
LOT NUMBER :	417203		

TEST	SPECIFICATIONS	LOT VALUES
Assay (Na ₂ SO ₄)	Min. 99.0%	99.8 %
pH of a 5% solution at 25°C	5.2 - 9.2	6.2
Insoluble matter	Max. 0.01%	0.001 %
Loss on ignition	Max. 0.5%	0.1 %
Chloride (Cl)	Max. 0.001%	<0.001 %
Nitrogen compounds (as N)	Max. 5 ppm	<5 ppm
Phosphate (PO ₄)	Max. 0.001%	<0.001 %
Heavy metals (as Pb)	Max. 5 ppm	<5 ppm
Iron (Fe)	Max. 0.001%	<0.001 %
Calcium (Ca)	Max. 0.01%	0.001 %
Magnesium (Mg)	Max. 0.005%	0.001 %
Potassium (K)	Max. 0.008%	0.001 %
Extraction-concentration suitability	Passes test	Passes test
Appearance	Passes test	Passes test
Identification	Passes test	Passes test
Solubility and foreign matter	Passes test	Passes test
Retained on US Standard No. 10 sieve	Max. 1%	0.2 %
Retained on US Standard No. 60 sieve	Min. 94%	96.2 %
Through US Standard No. 60 sieve	Max. 5%	3.5 %
Through US Standard No. 100 sieve	Max. 10%	0.1 %

COMMENTS

QC: PhC Irma Belmares

If you need further details, please call our factory or contact our local distributor.

RE-02-01, Ed. 3

E 3875



CERTIFICATE OF ANALYSIS

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

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

E 3882	E3884
E3883	E3885

www.pharmco.com | www.greenfield.com

CERTIFICATE OF ANALYSIS

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

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

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



Matthew Micek
QC Supervisor

Received on 7/9/25

E3952

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

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

The Avantor logo consists of a stylized 'A' symbol followed by the word 'avantors' in a lowercase sans-serif font.

Material No.: 9262-03
Batch No.: 25C0362005
Manufactured Date: 2025-01-29
Expiration Date: 2026-04-30
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	≤ 10	6
ECD-Sensitive Impurities (as EthyleneDibromide) - Single Impurity Peak (ng/mL)	≤ 5	5
Assay (Total Saturated C ₆ Isomers) (by GC, corrected for water)	$\geq 99.5\%$	100.0 %
Assay (as n-Hexane) (by GC, corrected for water)	$\geq 95\%$	100 %
Color (APHA)	≤ 10	10
Residue after Evaporation	≤ 1.0 ppm	0.1 ppm
Substances Darkened by H ₂ SO ₄	Passes Test	Passes Test
Water (by KF, coulometric)	$\leq 0.05\%$	$< 0.01\%$

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E 3966

A handwritten signature in cursive script, appearing to read 'JCroak'.

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials, LLC

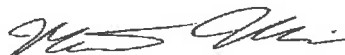
100 Matsonford Rd, Suite 200, Radnor, PA, 19087 U.S.A. Phone 610.386.1700

CERTIFICATE OF ANALYSIS

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

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

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



Matthew Micek
QC Supervisor

E 3969

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

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™



Material No.: 9254-03

Batch No.: 24H1462005

Manufactured Date: 2024-05-24

Expiration Date: 2027-05-24

Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ((CH ₃) ₂ CO) (by GC, corrected for water)	>= 99.4 %	99.8 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.2 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titration Acid (µeq/g)	<= 0.3	0.2
Titration Base (µeq/g)	<= 0.6	<0.1
Water (H ₂ O)	<= 0.5 %	0.2 %
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	<= 5	<1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E3972

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials LLC

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

 **avantorsTM**



Material No.: 9262-03

Batch No.: 25C0362006

Manufactured Date: 2025-01-29

Expiration Date: 2026-04-30

Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	6
ECD-Sensitive Impurities (as Ethylene Dibromide) - Single Impurity Peak (ng/mL)	≤ 5	4
Assay (Total Saturated C ₆ Isomers) (by GC, corrected for water)	$\geq 99.5\%$	100.0 %
Assay (as n-Hexane) (by GC, corrected for water)	$\geq 95\%$	100 %
Color (APHA)	≤ 10	10
Residue after Evaporation	≤ 1.0 ppm	0.2 ppm
Substances Darkened by H ₂ SO ₄	Passes Test	Passes Test
Water (by KF, coulometric)	$\leq 0.05\%$	$< 0.01\%$

For Laboratory, Research, or Manufacturing Use

MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States

Packaging Site: Phillipsburg Mfg Ctr & DC

E 3978



Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials LLC

Certificate of Analysis

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

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

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

Additional Information

Certified by:

Seth Christopher

Mr. Seth Christopher.
Quality Manager – Ward Hill

Received on 10/29/25

E3983

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

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

avantor™



MG157
MS

Material No.: 9673-33

Batch No.: 24I1262013

Manufactured Date: 2024-08-07

Retest Date: 2029-08-06

Revision No.: 0

Certificate of Analysis

Test	Specification	Result
ACS – Assay (H ₂ SO ₄)	95.0 – 98.0 %	96.2 %
Appearance	Passes Test	Passes Test
ACS – Color (APHA)	<= 10	5
ACS – Residue after Ignition	<= 3 ppm	<1 ppm
ACS – Substances Reducing Permanganate(as SO ₂)	<= 2 ppm	<2 ppm
Ammonium (NH ₄)	<= 1 ppm	<1 ppm
Chloride (Cl)	<= 0.1 ppm	<0.1 ppm
Nitrate (NO ₃)	<= 0.2 ppm	0.1 ppm
Phosphate (PO ₄)	<= 0.5 ppm	<0.1 ppm
Trace Impurities – Aluminum (Al)	<= 30.0 ppb	<5.0 ppb
Arsenic & Antimony (as As)	<= 4.0 ppb	<2.0 ppb
Trace Impurities – Boron (B)	<= 10.0 ppb	<5.0 ppb
Trace Impurities – Cadmium (Cd)	<= 2.0 ppb	<1.0 ppb
Trace Impurities – Chromium (Cr)	<= 6.0 ppb	<1.0 ppb
Trace Impurities – Cobalt (Co)	<= 0.5 ppb	<0.3 ppb
Trace Impurities – Copper (Cu)	<= 1.0 ppb	<1.0 ppb
Trace Impurities – Gold (Au)	<= 10.0 ppb	<5.0 ppb
Heavy Metals (as Pb)	<= 500.0 ppb	<100.0 ppb
Trace Impurities – Iron (Fe)	<= 50.0 ppb	<1.0 ppb
Trace Impurities – Lead (Pb)	<= 0.5 ppb	<0.5 ppb
Trace Impurities – Magnesium (Mg)	<= 7.0 ppb	<1.0 ppb
Trace Impurities – Manganese (Mn)	<= 1.0 ppb	<1.0 ppb
Trace Impurities – Mercury (Hg)	<= 0.5 ppb	<0.1 ppb
Trace Impurities – Nickel (Ni)	<= 2.0 ppb	<0.3 ppb
Trace Impurities – Potassium (K)	<= 500.0 ppb	<10.0 ppb
Trace Impurities – Selenium (Se)	<= 50.0 ppb	7.2 ppb
Trace Impurities – Silicon (Si)	<= 100.0 ppb	12.8 ppb
Trace Impurities – Silver (Ag)	<= 1.0 ppb	<1.0 ppb

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials LLC

Sulfuric Acid

BAKER INSTRA-ANALYZED® Reagent

For Trace Metal Analysis

Low Selenium

 **avantors**™



Material No.: 9673-33

Batch No.: 2411262013

Test	Specification	Result
Trace Impurities – Sodium (Na)	≤ 500.0 ppb	< 5.0 ppb
Trace Impurities – Strontium (Sr)	≤ 5.0 ppb	< 1.0 ppb
Trace Impurities – Tin (Sn)	≤ 5.0 ppb	1.1 ppb
Trace Impurities – Zinc (Zn)	≤ 5.0 ppb	< 1.0 ppb

For Laboratory, Research, or Manufacturing Use

Country of Origin: United States

Packaging Site: Phillipsburg Mfg Ctr & DC



Jamie Croak

Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials LLC

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

avantor™



M6186

Reciev Date :- 08/06/25

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

Certificate of Analysis

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

>>> Continued on page 2 >>>

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

 **avantorsm**

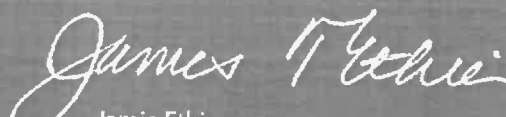


Material No.: 9673-33
Batch No.: 23D2462010

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

For Laboratory, Research, or Manufacturing Use

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC


Jamie Ethier
Vice President Global Quality



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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32062 **Lot No.:** A0155055

Description : Herbicide Mix #4/ME (Methyl Ester)

Herbicide Mix #4/ME (Methyl Ester) 200µg/mL,
Hexane/Methyl-tert-butyl-ether, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2026 **Storage:** 10°C or colder

P12616 / (5)
↓
P12620
✓ *Paul* 7/5/2023

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)			
1	3,5-Dichlorobenzoic acid methyl ester CAS # 2905-67-1 (Lot 3903900) Purity 99%	200.0 µg/mL	+/- 1.4182	µg/mL	Gravimetric	
			+/- 6.7507	µg/mL	Unstressed	
			+/- 6.7507	µg/mL	Stressed	
2	4-Nitroanisole CAS # 100-17-4 (Lot 24765/7) Purity 99%	200.0 µg/mL	+/- 1.4182	µg/mL	Gravimetric	
			+/- 6.7507	µg/mL	Unstressed	
			+/- 6.7507	µg/mL	Stressed	
3	Pentachloroanisole CAS # 1825-21-4 (Lot 7921100) Purity 99%	200.0 µg/mL	+/- 1.4182	µg/mL	Gravimetric	
			+/- 6.7507	µg/mL	Unstressed	
			+/- 6.7507	µg/mL	Stressed	
4	Chloramben methyl ester CAS # 7286-84-2 (Lot 6487100) Purity 98%	199.9 µg/mL	+/- 1.4176	µg/mL	Gravimetric	
			+/- 6.7480	µg/mL	Unstressed	
			+/- 6.7480	µg/mL	Stressed	
5	Bentazon methyl ester CAS # 61592-45-8 (Lot 817100) Purity 99%	200.0 µg/mL	+/- 1.4182	µg/mL	Gravimetric	
			+/- 6.7507	µg/mL	Unstressed	
			+/- 6.7507	µg/mL	Stressed	
6	Picloram methyl ester CAS # 14143-55-6 (Lot 386-21B) Purity 98%	201.9 µg/mL	+/- 1.4315	µg/mL	Gravimetric	
			+/- 6.8141	µg/mL	Unstressed	
			+/- 6.8141	µg/mL	Stressed	
7	DCPA methyl ester (Chlorthal-dimethyl) CAS # 1861-32-1 (Lot 8008700) Purity 99%	200.0 µg/mL	+/- 1.4182	µg/mL	Gravimetric	
			+/- 6.7507	µg/mL	Unstressed	
			+/- 6.7507	µg/mL	Stressed	

8	Acifluorfen methyl ester	200.0 µg/mL	+/- 1.4182	µg/mL	Gravimetric
	CAS # 50594-67-7 (Lot 6282300)		+/- 6.7507	µg/mL	Unstressed
	Purity 99%		+/- 6.7507	µg/mL	Stressed

Solvent: Hexane/Methyl-tert-butyl-ether
CAS # 110-54-3/1634-04-4
Purity 99%

Column:

30m x 0.25mm x 0.25µm
 Rtx-5 (cat.#10223)

Carrier Gas:

hydrogen-constant pressure 10 psi.

Temp. Program:

75°C (hold 1 min.) to 330°C
 @ 20°C/min. (hold 10 min.)

Inj. Temp:

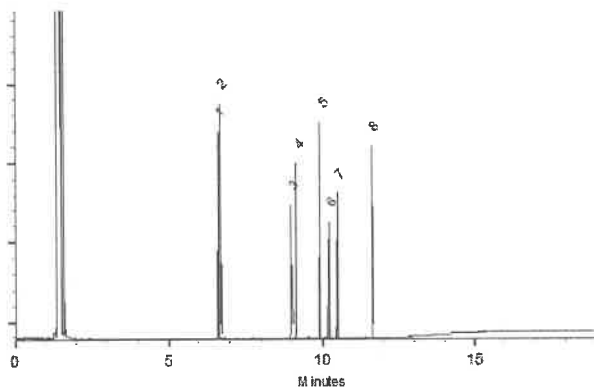
250°C

Det. Temp:

330°C

Det. Type:

FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Michael Maje

Date Mixed: 14-Nov-2019 **Balance:** 1128353505

Justine Alberson
 Justine Alberson - Operations Tech-ARM QC

Date Passed: 18-Nov-2019

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



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32055 **Lot No.:** A0199693

Description : Herbicide Mix #1/ME (Methyl Ester)
Herbicide Mix #1/ME (Methyl Ester) 200 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

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

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

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty* (95% C.L.; K=2)
1	Dicamba methyl ester	6597-78-0	1813500	99%	202.0 µg/mL	+/- 3.4272
2	Dichlorprop methyl ester	57153-17-0	8578700	98%	201.9 µg/mL	+/- 3.4251
3	2,4-D methyl ester	1928-38-7	10048000	99%	202.0 µg/mL	+/- 3.4272
4	2,4,5-TP (silvex) methyl ester	4841-20-7	504400	99%	202.0 µg/mL	+/- 3.4272
5	2,4,5-T methyl ester	1928-37-6	6875800	98%	201.9 µg/mL	+/- 3.4251
6	Dinoseb methyl ether	6099-79-2	9239100	99%	202.0 µg/mL	+/- 3.4272
7	2,4-DB methyl ester	18625-12-2	6847200	99%	202.0 µg/mL	+/- 3.4272

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

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

P12660
↓
P12664

AJ
07/11/23

Quality Confirmation Test

Column:

30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:

hydrogen-constant pressure 10 psi.

Temp. Program:

40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

330°C

Det. Type:

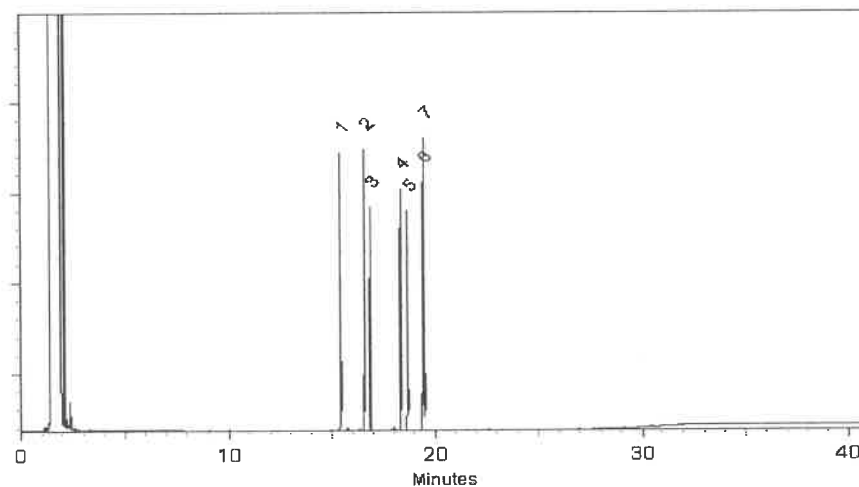
FID

Split Vent:

2 ml/min.

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Nick Yaw

Nick Yaw - Operations Tech I

Date Mixed: 07-Jul-2023

Balance Serial # 1128360905

Christie Mills

Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 11-Jul-2023

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



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32059 **Lot No.:** A0199844

Description : Herbicide Mix #3/ME (Methyl Ester)
Herbicide Mix #3/ME (Methyl Ester) 20,000 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

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

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

P 12685 / (S)
↓
P 12689
↓
RAU= 7/24/23

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	MCPP (Mecoprop) methyl ester	23844-56-6	14546400	99%	20,035.0 µg/mL	+/- 360.1907
2	MCPA methyl ester	2436-73-9	SL201209	99%	20,055.0 µg/mL	+/- 360.5503

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

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

Quality Confirmation Test

Column:

30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:

hydrogen-constant pressure 10 psi.

Temp. Program:

75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

330°C

Det. Type:

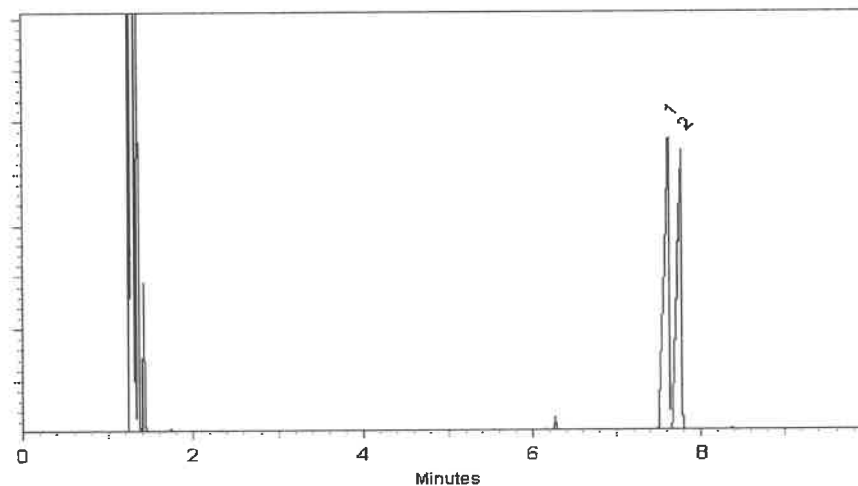
FID

Split Vent:

10 ml/min.

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Morgan Craighead - Mix Technician

Date Mixed: 12-Jul-2023

Balance Serial # B442140311


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 19-Jul-2023

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

Reference Material Certificate
Product Information Sheet

Product Name: Chlorinated Herbicides Standard
Product Number: HBM-8151A-1
Storage Conditions: Store at Room Temperature (15° to 30°C).

Lot Number: 0006810955
Lot Issue Date: 20-Aug-2024
Expiration Date: 30-Sep-2026

Component Name	Concentration	Uncertainty	CAS#	Analyte Lot
acifluorfen	100.2 ±	0.5 µg/mL	050594-66-6	NT02057
bentazon	100.4 ±	0.5 µg/mL	025057-89-0	RM21359
chloramben	100.3 ±	0.5 µg/mL	000133-90-4	RM02698
2,4-D	100.4 ±	0.5 µg/mL	000094-75-7	RM17172
dalapon	100.4 ±	0.5 µg/mL	000075-99-0	RM19677
2,4-DB	100.1 ±	0.5 µg/mL	000094-82-6	RM02866
tetrachloroterephthalic acid	100.4 ±	0.5 µg/mL	002136-79-0	RM15140
dicamba	100.3 ±	0.5 µg/mL	001918-00-9	RM22113
3,5-dichlorobenzoic acid	100.4 ±	0.5 µg/mL	000051-36-5	RM02768
dichlorprop	100.2 ±	0.5 µg/mL	000120-36-5	RM21688
dinoseb	100.3 ±	0.5 µg/mL	000088-85-7	RM22275
MCPA	10019 ±	50 µg/mL	000094-74-6	RM12220
MCPP (mecoprop)	10011 ±	50 µg/mL	000093-65-2	RM09273
4-nitrophenol	100.4 ±	0.5 µg/mL	000100-02-7	RM02391
pentachlorophenol	100.2 ±	0.5 µg/mL	000087-86-5	RM02474
picloram	100.4 ±	0.5 µg/mL	001918-02-1	RM20442
silvex	100.5 ±	0.5 µg/mL	000093-72-1	RM22116
2,4,5-T	100.3 ±	0.5 µg/mL	000093-76-5	RM19314

Matrix: methanol (methyl alcohol)

Description:

This document is prepared in accordance with ISO 17034 and Guide 31. This analytical reference material standard was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed above.

Traceability:

The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

Homogeneity:

This analytical reference standard was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

P13541
↓
P13561
20
9/25/2024

Reference Material Certificate
Product Information Sheet

Product Name: Chlorinated Herbicides Standard
Product Number: HBM-8151A-1
Storage Conditions: Store at Room Temperature (15° to 30°C).

Lot Number: 0006810955
Lot Issue Date: 20-Aug-2024
Expiration Date: 30-Sep-2026

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pentachlorophenol	100.2 ±	0.5 µg/mL	000087-86-5	RM02474
picloram	100.4 ±	0.5 µg/mL	001918-02-1	RM20442
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Matrix: methanol (methyl alcohol)

Description:

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Traceability:

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Homogeneity:

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P13541
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P13561
20
9/25/2024

Reference Material Certificate
Product Information Sheet

Product Name: Chlorinated Herbicides Standard
Product Number: HBM-8151A-1
Storage Conditions: Store at Room Temperature (15° to 30°C).

Lot Number: 0006810955
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Matrix: methanol (methyl alcohol)

Description:

This document is prepared in accordance with ISO 17034 and Guide 31. This analytical reference material standard was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed above.

Traceability:

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P13541
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P13561
20
9/25/2024

Reference Material Certificate
Product Information Sheet

Product Name: Chlorinated Herbicides Standard
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2,4,5-T	100.3 ±	0.5 µg/mL	000093-76-5	RM19314

Matrix: methanol (methyl alcohol)

Description:

This document is prepared in accordance with ISO 17034 and Guide 31. This analytical reference material standard was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed above.

Traceability:

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Homogeneity:

This analytical reference standard was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

P13541
↓
P13561
20
9/25/2024



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

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

Description : 2,4-Dichlorophenylacetic Acid Methyl Ester Standard

515 Surrogate (ester) 2, 4-dichlorophenyl Acetic Acid Methyl Ester
200µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

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

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

P14064
↓
P14073 } AC
6/23/25

CERTIFIED VALUES

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

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

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



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



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

Description : 2,4-Dichlorophenylacetic Acid Methyl Ester Standard

515 Surrogate (ester) 2, 4-dichlorophenyl Acetic Acid Methyl Ester
200µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

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

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

P14064
↓
P14073 } AC
6/23/25

CERTIFIED VALUES

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

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

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



CERTIFIED REFERENCE MATERIAL

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

www.restek.com

Certificate of Analysis



ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01



ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

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

Received by
SG on 8/16/19
P8828
P8826

CERTIFIED VALUES

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

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Column:

30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:

hydrogen-constant pressure 10 psi.

Temp. Program:

75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

Inj. Temp:

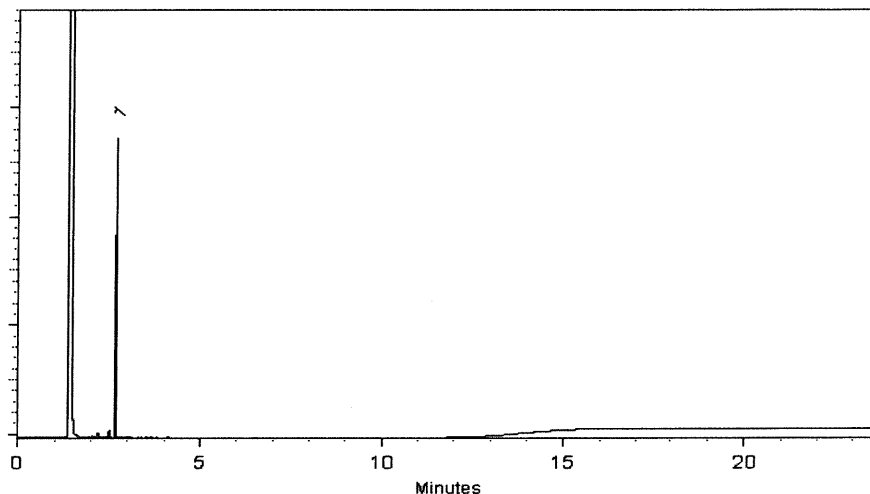
250°C

Det. Temp:

330°C

Det. Type:

FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Russ Bookhamer - Operations Technician I

Date Mixed: 11-Apr-2019

Balance: 1127510105

Feng-Yin Lo - QC Analyst

Date Passed: 15-Apr-2019

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

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

 **avantorsTM**



W3240
JP
Op4tel. 07/15/2025

Material No.: 9262-03
Batch No.: 25C0362006
Manufactured Date: 2025-01-29
Expiration Date: 2026-04-30
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	≤ 10	6
ECD-Sensitive Impurities (as EthyleneDibromide) - Single Impurity Peak (ng/mL)	≤ 5	4
Assay (Total Saturated C ₆ Isomers) (by GC, corrected for water)	$\geq 99.5 \%$	100.0 %
Assay (as n-Hexane) (by GC, corrected for water)	$\geq 95 \%$	100 %
Color (APHA)	≤ 10	10
Residue after Evaporation	≤ 1.0 ppm	0.2 ppm
Substances Darkened by H ₂ SO ₄	Passes Test	Passes Test
Water (by KF, coulometric)	$\leq 0.05 \%$	$< 0.01 \%$

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC



Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials LLC



SHIPPING DOCUMENTS

CLIENT INFORMATION

CLIENT PROJECT INFORMATION

CLIENT BILLING INFORMATION

REPORT TO BE SENT TO:

COMPANY: Aramark Uniforms
ADDRESS: 740 Frelinghuysen Ave
CITY: Newark STATE: NJ ZIP: 07114
ATTENTION: Jarrod Mills
PHONE: 973-824-1101 FAX: _____

PROJECT NAME: _____
PROJECT NO.: _____ LOCATION: _____
PROJECT MANAGER: _____
e-mail: _____
PHONE: _____ FAX: _____

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

ANALYSIS

DATA TURNAROUND INFORMATION

DATA DELIVERABLE INFORMATION

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

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

1 2 3 4 5 6 7 8 9

PRESERVATIVES

COMMENTS

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES									COMMENTS
			COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	9	
1.	Outside Dumpster	S		✓	10-16-25	1300	7										
2.	Press Sludge	I		✓	10-16-25	1304	7										
3.	Tank 1	I		✓	10-16-25	1308	7										
4.	Tank 2	I		✓	10-16-25	1312	7										
5.	Oil Sludge	I		✓	10-16-25	1315	7										
6.																	
7.																	
8.																	
9.																	
10.																	

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

RELINQUISHED BY SAMPLER: 10-16-25 RECEIVED BY: 10-16-25
RELINQUISHED BY SAMPLER: 10-16-25 RECEIVED BY: 10-16-25
RELINQUISHED BY SAMPLER: 10-16-25 RECEIVED BY: 10-16-25

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 3.1 °C
Comments: _____

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



Outlook

RE: [WMSolutions.com] Profile 100601PAE (Vestis Uniform Services) has been returned to your drafts tab

From Barnes, Tommy <tommy.barnes@vestis.com>

Date Mon 10/6/2025 10:25 AM

To Vanegas, Jose <Jose.Vanegas@vestis.com>

Cc Dikos, Tom <tom.dikos@vestis.com>; Castillo Vasquez, Gustavo A. <gustavo.castillo@vestis.com>; Williams III, Jack <jack.williams@vestis.com>; Romain, Sobner <sobner.romain@vestis.com>

Jose,

I will complete Form 25R and also fix the section G of the profile.

Unfortunately, it looks like we need to run additional analysis on the sludge per the landfill.

Can you please call your lab (Alliance Technical Group 908-789-8900) and let them know you need to analyze your filter cake asap? It should be analyzed for the following:

- Oil & Grease (as received)
- Paint Filter Test
- Total PCBs (mg/kg)
- Total Solids (as received)
- Total Volatile Solids (as received)
- Ammonia-Nitrogen (ASTM Extraction - mg/L)
- Chemical Oxygen Demand (ASTM Extraction - mg/L)
- Oil & Grease (ASTM Extraction - mg/L)
- Total Solids (ASTM Extraction - mg/L)
- pH (ASTM Extraction)
- TCLP Copper
- TCLP Nickel
- TCLP Zinc
- TCLP Pesticides TCLP Herbicides

Thanks,

Tommy Barnes

Manager, Environmental Compliance

M: 317.910.4373

tommy.barnes@vestis.com | www.vestis.com



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From: Vanegas, Jose <Jose.Vanegas@vestis.com>

Sent: Monday, October 6, 2025 8:51 AM

To: Barnes, Tommy <tommy.barnes@vestis.com>

From: Barnes, Tommy <tommy.barnes@vestis.com>
Sent: Tuesday, October 28, 2025 3:02 PM
To: Yazmeen Gomez
Cc: Dikos, Tom; Vanegas, Jose
Subject: FW: SLUDGE ANALYZE (Section G)
Attachments: Summary Report Details For Project Monthly 2025-Q3368.; Summary Report Details For Project Monthly 2025-Q3368.

EXTERNAL EMAIL - This email was sent by a person from outside your organization. Exercise caution when clicking links, opening attachments or taking further action, before validating its authenticity.

Secured by Check Point

Yazmeen,
Thanks for taking my call. Per our discussion, the landfill is requesting the following additional analysis. It looks like the same list that was previously provided and included with the lab report.
Can you check to see if the analysis was already done?
If it wasn't, can you let us know if you have enough sample on hand to complete? We would also like to request a rush turn-around on the results if possible.

- Oil & Grease (as received)
 - Total Solids (as received)
 - Total Volatile Solids (as received)
 - Ammonia-Nitrogen (ASTM Extraction - mg/L)
 - Chemical Oxygen Demand (ASTM Extraction - mg/L)
 - Oil & Grease (ASTM Extraction - mg/L)
 - Total Solids (ASTM Extraction - mg/L)
 - pH (ASTM Extraction)
 - TCLP Copper
 - TCLP Nickel
 - TCLP Zinc
 - TCLP Pesticides
 - TCLP Herbicides

Thanks,

Tommy Barnes
Manager, Environmental Compliance
M: 317.910.4373
tommy.barnes@vestis.com | www.vestis.com



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From: Dikos, Tom <tom.dikos@vestis.com>
Sent: Tuesday, October 28, 2025 9:24 AM
To: Barnes, Tommy <tommy.barnes@vestis.com>
Subject: FW: SLUDGE ANALYZE (Section G)

Is this everything needed for the Newark profile renewal.

Could you please work with Jose to complete.

Thanks,

Tom Dikos
Director, Environmental Compliance
M: 708.567.0275
tom.dikos@vestis.com | www.vestis.com



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From: Yazmeen Gomez <yazmeen.gomez@alliancetg.com>
Sent: Monday, October 27, 2025 2:59 PM
To: Vanegas, Jose <Jose.Vanegas@vestis.com>
Cc: Barnes, Tommy <tommy.barnes@vestis.com>; Dikos, Tom <tom.dikos@vestis.com>; Castillo Vasquez, Gustavo A. <gustavo.castillo@vestis.com>; Romain, Sobner <sobner.romain@vestis.com>
Subject: RE: SLUDGE ANALYZE (Section G)

CAUTION: This email was sent from outside of Vestis. Please do not click links or open attachments unless you recognize the sender and know the content is safe.

Good afternoon,

Please see attached unsure if this has already been forwarded over to you.

Best Regards,

Yazmeen Gomez
Sr. Project Manager
An Alliance Technical Group Company
Main: 908-789-8900
Direct: 908-728-3147
Address: 284 Sheffield St, Ste 1, Mountainside, NJ 07092
www.alliancetg.com     



From: Vanegas, Jose <Jose.Vanegas@vestis.com>
Sent: Thursday, October 23, 2025 11:48 AM
To: Yazmeen Gomez <yazmeen.gomez@alliancetg.com>
Cc: Barnes, Tommy <tommy.barnes@vestis.com>; Dikos, Tom <tom.dikos@vestis.com>; Castillo Vasquez, Gustavo A. <gustavo.castillo@vestis.com>; Romain, Sobner <sobner.romain@vestis.com>
Subject: Re: SLUDGE ANALYZE (Section G)

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Good morning, Yazmeen:
Could you please send me the results of the sludge analysis?

Thank you.

Jose Vanegas
Industrial Maintenance Manager
740 Frelinghuysen Avenue
Newark, NJ 07114
P: (973) 824-1101
C: (908) 323-9050
jose.vanegas@vestis.com



From: Vanegas, Jose
Sent: Wednesday, October 8, 2025 10:13 AM
To: yazmeen.gomez@alliancetg.com <yazmeen.gomez@alliancetg.com>
Cc: Barnes, Tommy <tommy.barnes@vestis.com>; Dikos, Tom <tom.dikos@vestis.com>; Castillo Vasquez, Gustavo A. <gustavo.castillo@vestis.com>; Romain, Sobner <sobner.romain@vestis.com>
Subject: SLUDGE ANALYZE (Section G)

Good morning, Yazmeen:
Our company requires your technical services for a sludge analysis. Could you please send one of your technicians for this analysis, ASAP. (See the attachment)

Thank you.

Jose Vanegas
Industrial Maintenance Manager
740 Frelinghuysen Avenue
Newark, NJ 07114
P: (973) 824-1101
C: (908) 323-9050
jose.vanegas@vestis.com



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