

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:	Q1328	OrderDate:	2/7/2025 8:40:00 AM
Client:	Chemtech Consulting Group	Project:	Weekly Storage Blanks
Contact:	QA Officer	Location:	D11,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1328-11	PEST-GPC2-BLANK	SOIL	Pesticide-TCL	SFAM_PEST	02/07/25	02/10/25	02/12/25	02/07/25
Q1328-12	PEST-GPC2-BLANK-SP IKE	SOIL	Pesticide-TCL	SFAM_PEST	02/07/25	02/10/25	02/12/25	02/07/25
Q1328-13	PCB-GPC2-BLANK	SOIL	PCB	SFAM_PCB	02/07/25	02/10/25	02/11/25	02/07/25
Q1328-14	PCB-GPC2-BLANK-SPI KE	SOIL	PCB	SFAM_PCB	02/07/25	02/10/25	02/11/25	02/07/25

Hit Summary Sheet
SW-846

SDG No.: Q1328

Order ID: Q1328

Client: Chemtech Consulting Group

Project ID: Weekly Storage Blanks

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : PEST-GPC2-BLANK-SPIKE								
Q1328-12	PEST-GPC2-BLANK· SOIL		gamma-BHC (Lindane)	21.0		0.48	5.10	ug/kg
Q1328-12	PEST-GPC2-BLANK· SOIL		Heptachlor	19.0		0.57	5.10	ug/kg
Q1328-12	PEST-GPC2-BLANK· SOIL		Aldrin	20.0		0.39	5.10	ug/kg
Q1328-12	PEST-GPC2-BLANK· SOIL		Dieldrin	37.0		0.45	9.90	ug/kg
Q1328-12	PEST-GPC2-BLANK· SOIL		Endrin	33.0		0.63	9.90	ug/kg
Q1328-12	PEST-GPC2-BLANK· SOIL		4,4-DDT	33.0		0.63	9.90	ug/kg
Total Concentration:				163.000				



QC SUMMARY

Surrogate Summary

SDG No.: Q1328

Client: Chemtech Consulting Group

Analytical Method: SFAM_PEST

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits	
								Low	High
I.BLK-PD087410.D	PIBLK-PD087410.D	TCX	1	20	0.22	112		30	150
		DCB	1	40	0.33	84		30	150
		TCX	2	20	0.22	112		30	150
		DCB	2	40	0.33	84		30	150
I.BLK-PD087852.D	PIBLK-PD087852.D	TCX	1	20	0.23	117		30	150
		DCB	1	40	0.27	69		30	150
		TCX	2	20	0.25	124		30	150
		DCB	2	40	0.30	75		30	150
Q1328-11	PEST-GPC2-BLANK	TCX	1	20	0	0	*	30	150
		DCB	1	40	0	0	*	30	150
		TCX	2	20	0	0	*	30	150
		DCB	2	40	0	0	*	30	150
Q1328-12	PEST-GPC2-BLANK-SPIKE	TCX	1	20	0	0	*	30	150
		DCB	1	40	0	0	*	30	150
		TCX	2	20	0	0	*	30	150
		DCB	2	40	0	0	*	30	150
I.BLK-PD087859.D	PIBLK-PD087859.D	TCX	1	20	0.24	118		30	150
		DCB	1	40	0.29	74		30	150
		TCX	2	20	0.25	125		30	150
		DCB	2	40	0.32	80		30	150



SAMPLE DATA

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	02/07/25
Project:	Weekly Storage Blanks	Date Received:	02/07/25
Client Sample ID:	PEST-GPC2-BLANK	SDG No.:	Q1328
Lab Sample ID:	Q1328-11	Matrix:	SOIL
Analytical Method:	SFAM_PEST	% Solid:	100
Sample Wt/Vol:	10 Units: g	Decanted:	
Soil Aliquot Vol:	uL	Final Vol:	5000 uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	2.0	Injection Volume :	
PH :			
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD087857.D	1	02/10/25 10:30	02/12/25 10:03	PB166655

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.39	U	0.39	5.10	ug/kg
319-85-7	beta-BHC	0.39	U	0.39	5.10	ug/kg
319-86-8	delta-BHC	1.40	U	1.40	5.10	ug/kg
58-89-9	gamma-BHC (Lindane)	0.48	U	0.48	5.10	ug/kg
76-44-8	Heptachlor	0.57	U	0.57	5.10	ug/kg
309-00-2	Aldrin	0.39	U	0.39	5.10	ug/kg
1024-57-3	Heptachlor epoxide	0.42	U	0.42	5.10	ug/kg
959-98-8	Endosulfan I	0.39	U	0.39	5.10	ug/kg
60-57-1	Dieldrin	0.45	U	0.45	9.90	ug/kg
72-55-9	4,4-DDE	0.48	U	0.48	9.90	ug/kg
72-20-8	Endrin	0.63	U	0.63	9.90	ug/kg
33213-65-9	Endosulfan II	0.57	U	0.57	9.90	ug/kg
72-54-8	4,4-DDD	0.57	U	0.57	9.90	ug/kg
1031-07-8	Endosulfan Sulfate	0.60	U	0.60	9.90	ug/kg
50-29-3	4,4-DDT	0.63	U	0.63	9.90	ug/kg
72-43-5	Methoxychlor	0.75	U	0.75	51.0	ug/kg
53494-70-5	Endrin ketone	0.45	U	0.45	9.90	ug/kg
7421-93-4	Endrin Aldehyde	0.54	U	0.54	9.90	ug/kg
5103-71-9	cis-Chlordane	0.39	U	0.39	5.10	ug/kg
5103-74-2	trans-Chlordane	0.39	U	0.39	5.10	ug/kg
8001-35-2	Toxaphene	24.0	U	24.0	510	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	0	*	30 - 150	%	SPK: 20
2051-24-3	Decachlorobiphenyl	0	*	30 - 150	%	SPK: 40

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	02/07/25
Project:	Weekly Storage Blanks	Date Received:	02/07/25
Client Sample ID:	PEST-GPC2-BLANK	SDG No.:	Q1328
Lab Sample ID:	Q1328-11	Matrix:	SOIL
Analytical Method:	SFAM_PEST	% Solid:	100
Sample Wt/Vol:	10 Units: g	Decanted:	
Soil Aliquot Vol:	uL	Final Vol:	5000 uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	2.0	Injection Volume :	
PH :			
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD087857.D	1	02/10/25 10:30	02/12/25 10:03	PB166655

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD021425\
Data File : PD087857.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Feb 2025 10:03
Operator : AR\AJ
Sample : Q1328-11
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PEST-GPC2-BLANK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 12 16:03:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD011625CLP.M
Quant Title : GC Extractables
QLast Update : Thu Jan 16 13:39:07 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
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System Monitoring Compounds

Target Compounds

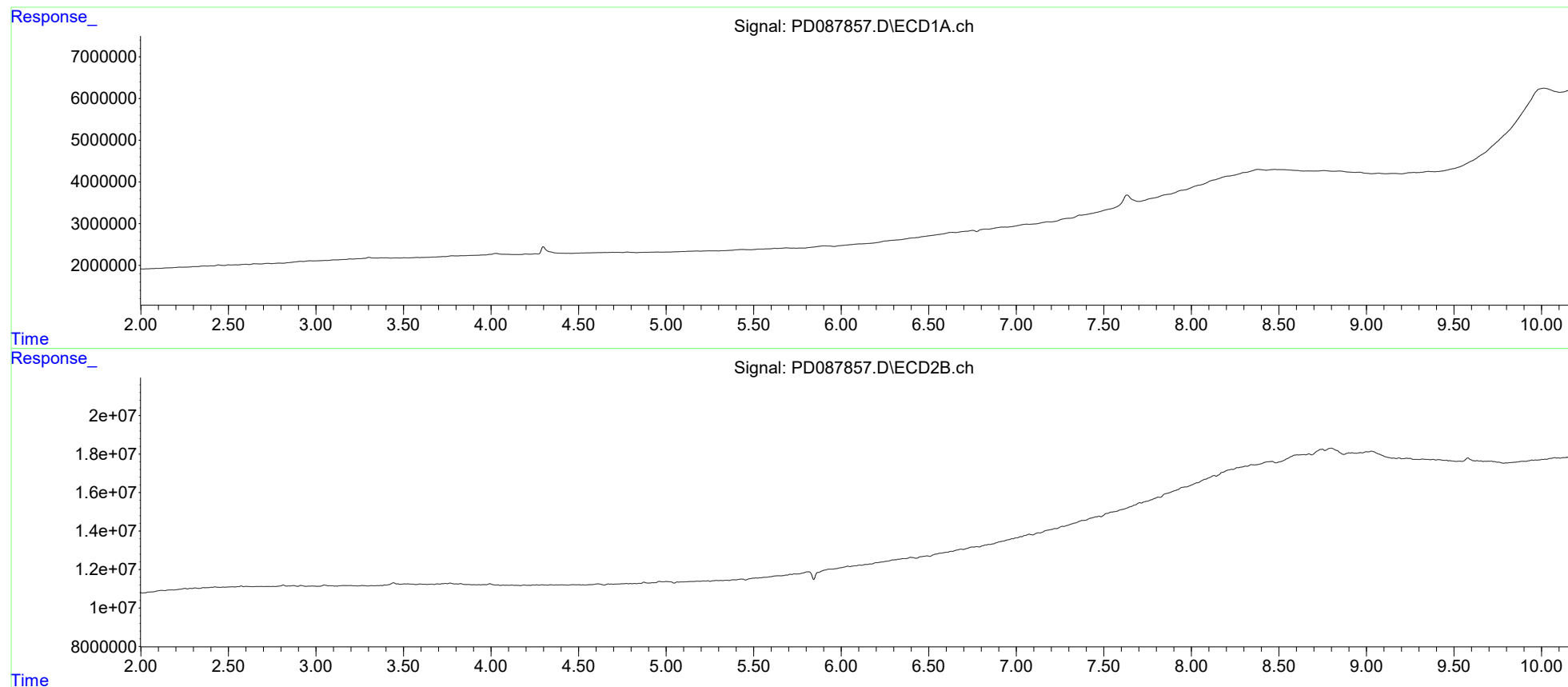
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD021425\
Data File : PD087857.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Feb 2025 10:03
Operator : AR\AJ
Sample : Q1328-11
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampled :
PEST-GPC2-BLANK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 12 16:03:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD011625CLP.M
Quant Title : GC Extractables
QLast Update : Thu Jan 16 13:39:07 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	02/07/25
Project:	Weekly Storage Blanks	Date Received:	02/07/25
Client Sample ID:	PEST-GPC2-BLANK-SPIKE	SDG No.:	Q1328
Lab Sample ID:	Q1328-12	Matrix:	SOIL
Analytical Method:	SFAM_PEST	% Solid:	100
Sample Wt/Vol:	10 Units: g	Decanted:	
Soil Aliquot Vol:	uL	Final Vol:	5000 uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	2.0	Injection Volume :	
PH :			
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD087858.D	1	02/10/25 10:30	02/12/25 12:44	PB166655

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.39	U	0.39	5.10	ug/kg
319-85-7	beta-BHC	0.39	U	0.39	5.10	ug/kg
319-86-8	delta-BHC	1.40	U	1.40	5.10	ug/kg
58-89-9	gamma-BHC (Lindane)	21.0		0.48	5.10	ug/kg
76-44-8	Heptachlor	19.0		0.57	5.10	ug/kg
309-00-2	Aldrin	20.0		0.39	5.10	ug/kg
1024-57-3	Heptachlor epoxide	0.42	U	0.42	5.10	ug/kg
959-98-8	Endosulfan I	0.39	U	0.39	5.10	ug/kg
60-57-1	Dieldrin	37.0		0.45	9.90	ug/kg
72-55-9	4,4-DDE	0.48	U	0.48	9.90	ug/kg
72-20-8	Endrin	33.0		0.63	9.90	ug/kg
33213-65-9	Endosulfan II	0.57	U	0.57	9.90	ug/kg
72-54-8	4,4-DDD	0.57	U	0.57	9.90	ug/kg
1031-07-8	Endosulfan Sulfate	0.60	U	0.60	9.90	ug/kg
50-29-3	4,4-DDT	33.0		0.63	9.90	ug/kg
72-43-5	Methoxychlor	0.75	U	0.75	51.0	ug/kg
53494-70-5	Endrin ketone	0.45	U	0.45	9.90	ug/kg
7421-93-4	Endrin Aldehyde	0.54	U	0.54	9.90	ug/kg
5103-71-9	cis-Chlordane	0.39	U	0.39	5.10	ug/kg
5103-74-2	trans-Chlordane	0.39	U	0.39	5.10	ug/kg
8001-35-2	Toxaphene	24.0	U	24.0	510	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	0	*	30 - 150	%	SPK: 20
2051-24-3	Decachlorobiphenyl	0	*	30 - 150	%	SPK: 40

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	02/07/25
Project:	Weekly Storage Blanks	Date Received:	02/07/25
Client Sample ID:	PEST-GPC2-BLANK-SPIKE	SDG No.:	Q1328
Lab Sample ID:	Q1328-12	Matrix:	SOIL
Analytical Method:	SFAM_PEST	% Solid:	100
Sample Wt/Vol:	10 Units: g	Decanted:	
Soil Aliquot Vol:	uL	Final Vol:	5000 uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	2.0	Injection Volume :	
PH :			
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD087858.D	1	02/10/25 10:30	02/12/25 12:44	PB166655

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD021425\
 Data File : PD087858.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 12 Feb 2025 12:44
 Operator : AR\AJ
 Sample : Q1328-12
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 ECD_D
ClientSampleId :
 PEST-GPC2-BLANK-SPIKE

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 02/13/2025
 Supervised By :Ankita Jodhani 02/13/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Feb 12 16:03:29 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD011625CLP.M
 Quant Title : GC Extractables
 QLast Update : Thu Jan 16 13:39:07 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
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System Monitoring Compounds

Target Compounds

3) MA	gamma-BHC...	4.339	3.731	84543237	392.0E6	21.017m	21.401
4) MA	Heptachlor	4.940	4.085	76909926	373.6E6	18.816	20.017
5) MB	Aldrin	5.282	4.371	78064297	384.2E6	19.491	21.260
13) MA	Dieldrin	6.358	5.517	142.2E6	684.5E6	37.300	41.012
14) MA	Endrin	6.585	5.793	107.2E6	571.5E6	33.037	38.249
17) MA	4,4'-DDT	7.032	6.189	94586479	513.2E6	32.636	37.238

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD021425\
Data File : PD087858.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Feb 2025 12:44
Operator : AR\AJ
Sample : Q1328-12
Misc :
ALS Vial : 8 Sample Multiplier: 1

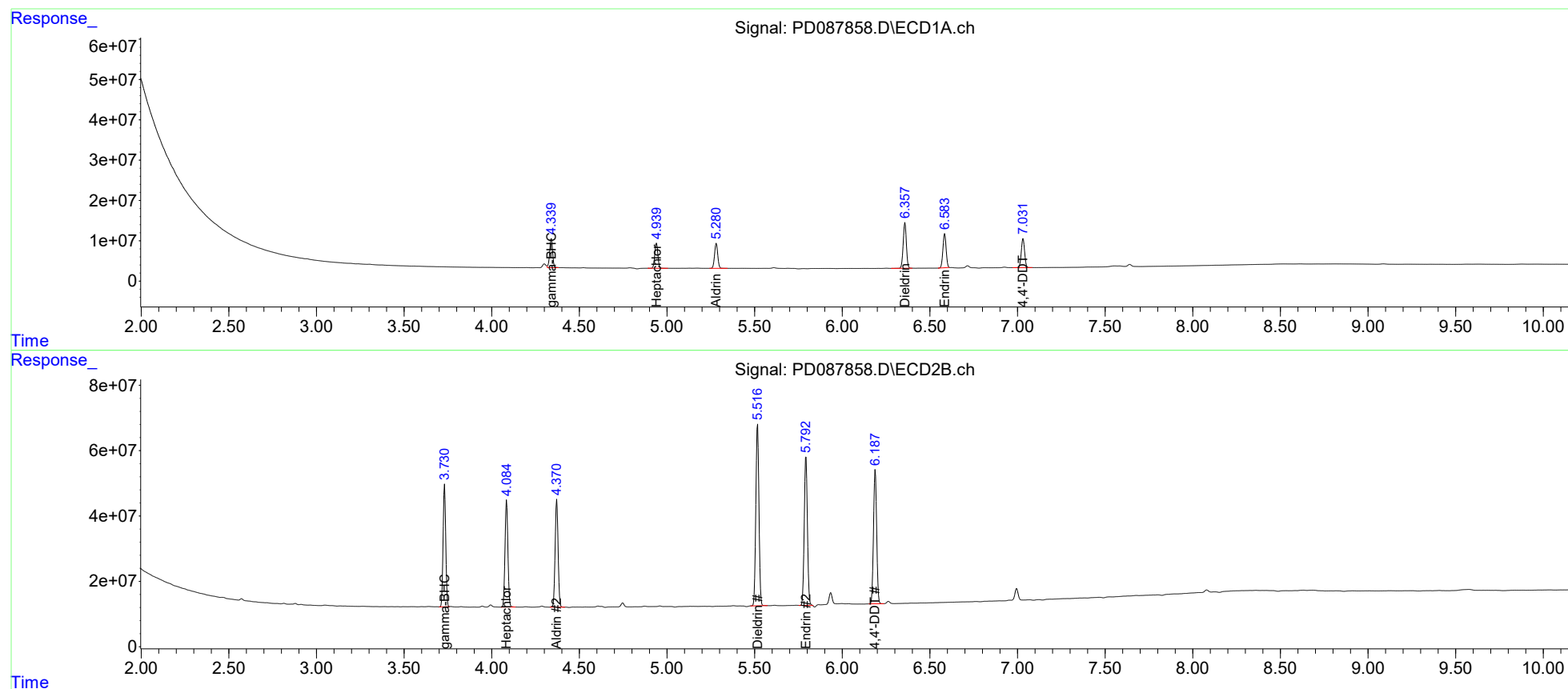
Instrument :
ECD_D
ClientSampled :
PEST-GPC2-BLANK-SPIKE

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 12 16:03:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD011625CLP.M
Quant Title : GC Extractables
QLast Update : Thu Jan 16 13:39:07 2025
Response via : Initial Calibration
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Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 02/13/2025
Supervised By :Ankita Jodhani 02/13/2025

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_D\Data\PD021425\
Data File : PD087858.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Feb 2025 12:44
Operator : AR\AJ
Sample : Q1328-12
Misc :
ALS Vial : 8 Sample Multiplier: 1

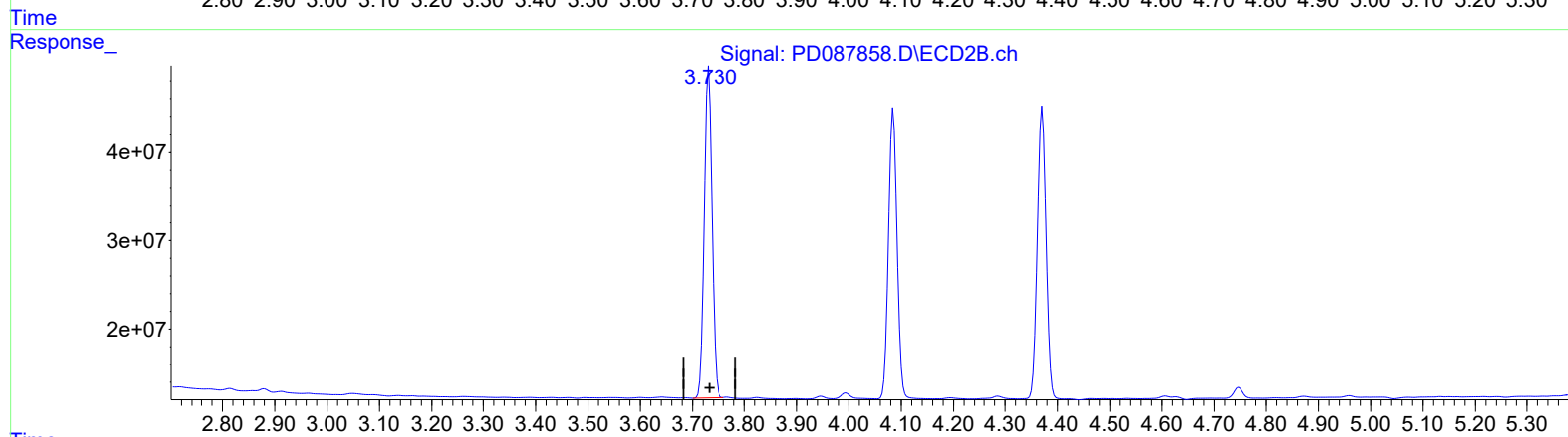
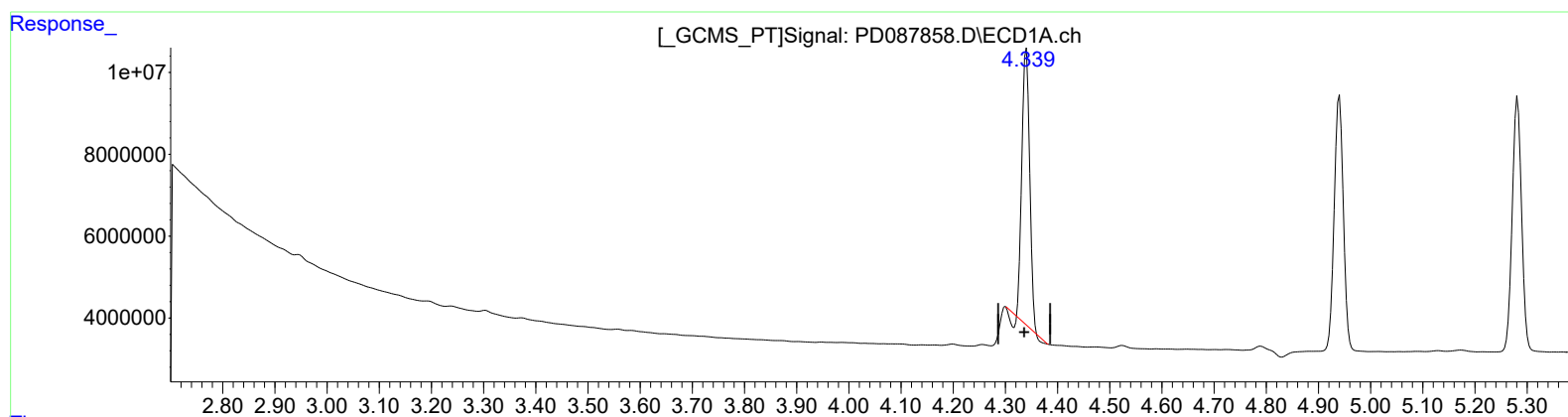
Instrument :
ECD_D
ClientSampleId :
PEST-GPC2-BLANK-SPIKE

Manual IntegrationsAPPROVED

Reviewed By :Abdul Mirza 02/13/2025
Supervised By :Ankita Jodhani 02/13/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 12 16:03:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD011625CLP.M
Quant Title : GC Extractables
QLast Update : Thu Jan 16 13:39:07 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



QEdit

(3) gamma-BHC (Lindane) (MA)

4.340min 16.569 ng/ml

response 66651270

(3) gamma-BHC (Lindane) #2 (MA)

3.731min 21.401 ng/ml

response 391996888

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD021425\
Data File : PD087858.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Feb 2025 12:44
Operator : AR\AJ
Sample : Q1328-12
Misc :
ALS Vial : 8 Sample Multiplier: 1

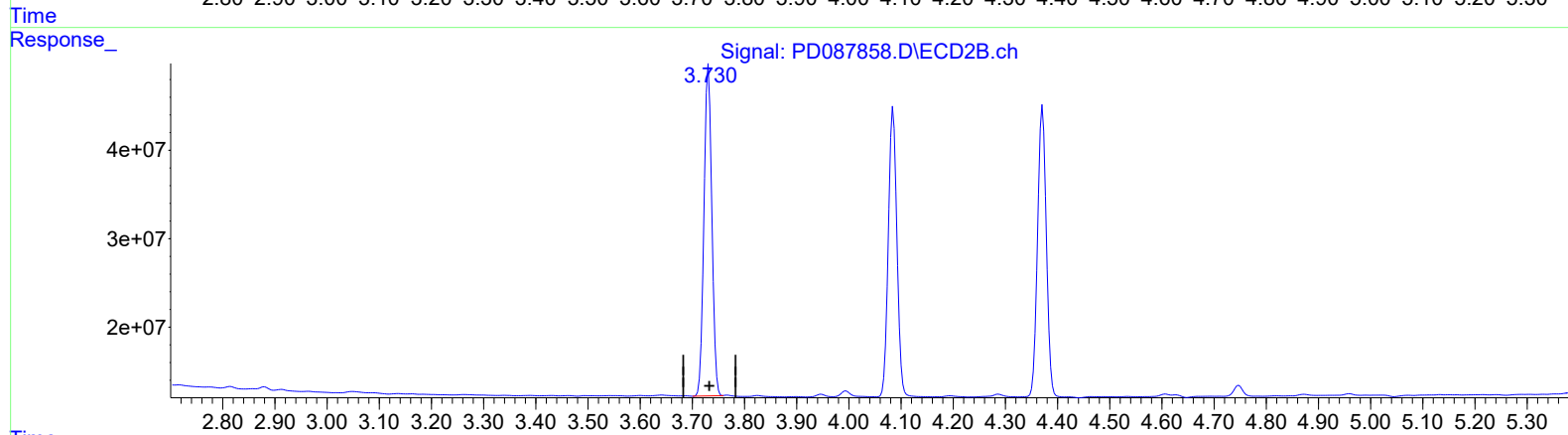
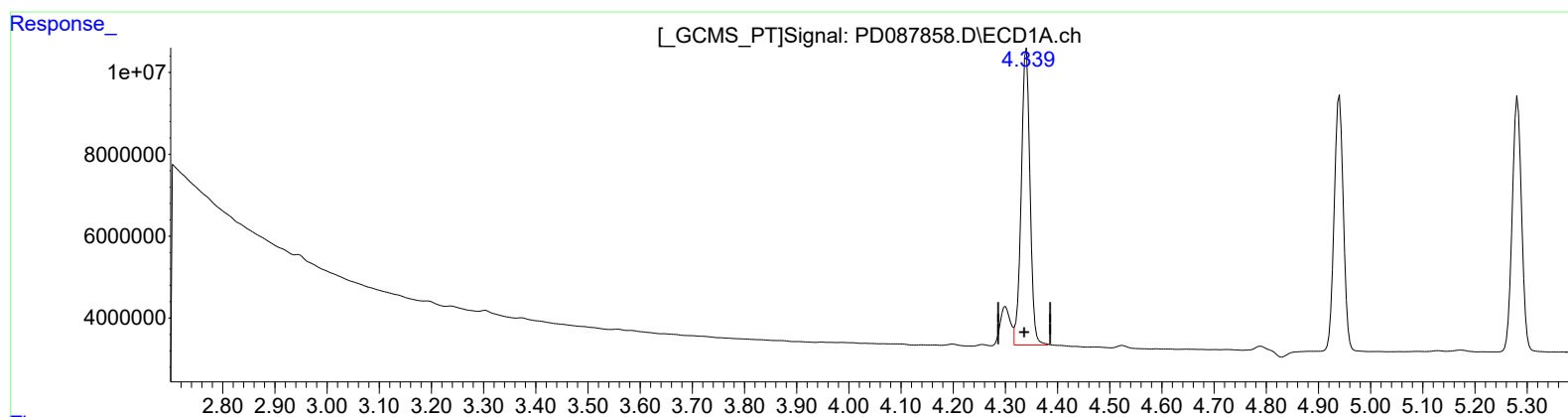
Instrument :
ECD_D
ClientSampleId :
PEST-GPC2-BLANK-SPIKE

Manual IntegrationsAPPROVED

Reviewed By :Abdul Mirza 02/13/2025
Supervised By :Ankita Jodhani 02/13/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 12 16:03:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD011625CLP.M
Quant Title : GC Extractables
QLast Update : Thu Jan 16 13:39:07 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



QEdit

(3) gamma-BHC (Lindane) (MA)

4.339min 21.017 ng/ml m

response 84543237

(3) gamma-BHC (Lindane) #2 (MA)

3.731min 21.401 ng/ml

response 391996888



CALIBRATION SUMMARY



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

CALIBRATION VERIFICATION SUMMARY

Contract: CHEM02

Lab Code: CHEM Case No.: Q1328 SAS No.: Q1328 SDG NO.: Q1328

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 01/16/2025 01/16/2025

Client Sample No.: CCAL01 Date Analyzed: 02/12/2025

Lab Sample No.: INDA315 Data File : PD087860.D Time Analyzed: 13:20

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.711	6.641	6.781	2749490.000	2919390.000	6.2
4,4'-DDT	7.027	6.957	7.097	2898230.000	2550180.000	-12.0
alpha-BHC	4.005	3.955	4.055	4154340.000	4736570.000	14.0
DCB	9.082	8.982	9.182	3343300.000	3228600.000	-3.4
Dieldrin	6.353	6.283	6.423	3812360.000	3995740.000	4.8
Endosulfan I	6.081	6.011	6.151	3483940.000	3671150.000	5.4
Endrin	6.581	6.511	6.651	3245680.000	3013440.000	-7.2
gamma-BHC (Lindane)	4.336	4.286	4.386	4022600.000	4369180.000	8.6
Heptachlor	4.936	4.886	4.986	4087560.000	4363480.000	6.8
Methoxychlor	7.499	7.429	7.569	1584350.000	1414180.000	-10.7
TCX	3.555	3.505	3.605	2037980.000	2349570.000	15.3



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CALIBRATION VERIFICATION SUMMARY

Contract: CHEM02

Lab Code: CHEM Case No.: Q1328 SAS No.: Q1328 SDG NO.: Q1328

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 01/16/2025 01/16/2025

Client Sample No.: CCAL01 Date Analyzed: 02/12/2025

Lab Sample No.: INDA315 Data File : PD087860.D Time Analyzed: 13:20

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.934	5.864	6.004	13369700.000	15970000.000	19.4
4,4'-DDT	6.189	6.119	6.259	13780800.000	13914900.000	1.0
alpha-BHC	3.395	3.345	3.445	19801700.000	23522900.000	18.8
DCB	8.079	7.979	8.179	14484400.000	15141900.000	4.5
Dieldrin	5.517	5.447	5.587	16690700.000	19084300.000	14.3
Endosulfan I	5.251	5.181	5.321	15872300.000	17871700.000	12.6
Endrin	5.793	5.723	5.863	14942300.000	15848100.000	6.1
gamma-BHC (Lindane)	3.731	3.681	3.781	18316800.000	21459300.000	17.2
Heptachlor	4.086	4.036	4.136	18664300.000	21226700.000	13.7
Methoxychlor	6.760	6.690	6.830	6159300.000	6346980.000	3.0
TCX	2.881	2.831	2.931	12367800.000	14896700.000	20.4

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD021425\
 Data File : PD087860.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 12 Feb 2025 13:20
 Operator : AR\AJ
 Sample : INDA315
 Misc :
 ALS Vial : 99 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 INDA3232

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Feb 12 16:03:46 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD011625CLP.M
 Quant Title : GC Extractables
 QLast Update : Thu Jan 16 13:39:07 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							
1)	SA Tetrachlo...	3.555	2.881	46991397	297.9E6	23.058	24.090
27)	SA Decachlor...	9.082	8.079	129.1E6	605.7E6	38.628	41.816
Target Compounds							
2)	A alpha-BHC	4.005	3.395	94731419	470.5E6	22.803	23.758
3)	MA gamma-BHC...	4.336	3.731	87383699	429.2E6	21.723	23.431
4)	MA Heptachlor	4.936	4.086	87269541	424.5E6	21.350	22.746
9)	A Endosulfan I	6.081	5.251	73423005	357.4E6	21.075	22.519
13)	MA Dieldrin	6.353	5.517	159.8E6	763.4E6	41.924	45.736
14)	MA Endrin	6.581	5.793	120.5E6	633.9E6	37.138	42.425
16)	A 4,4'-DDD	6.711	5.934	116.8E6	638.8E6	42.472	47.780
17)	MA 4,4'-DDT	7.027	6.189	102.0E6	556.6E6	35.196	40.389
20)	A Methoxychlor	7.499	6.760	282.8E6	1269.4E6	178.518	206.094

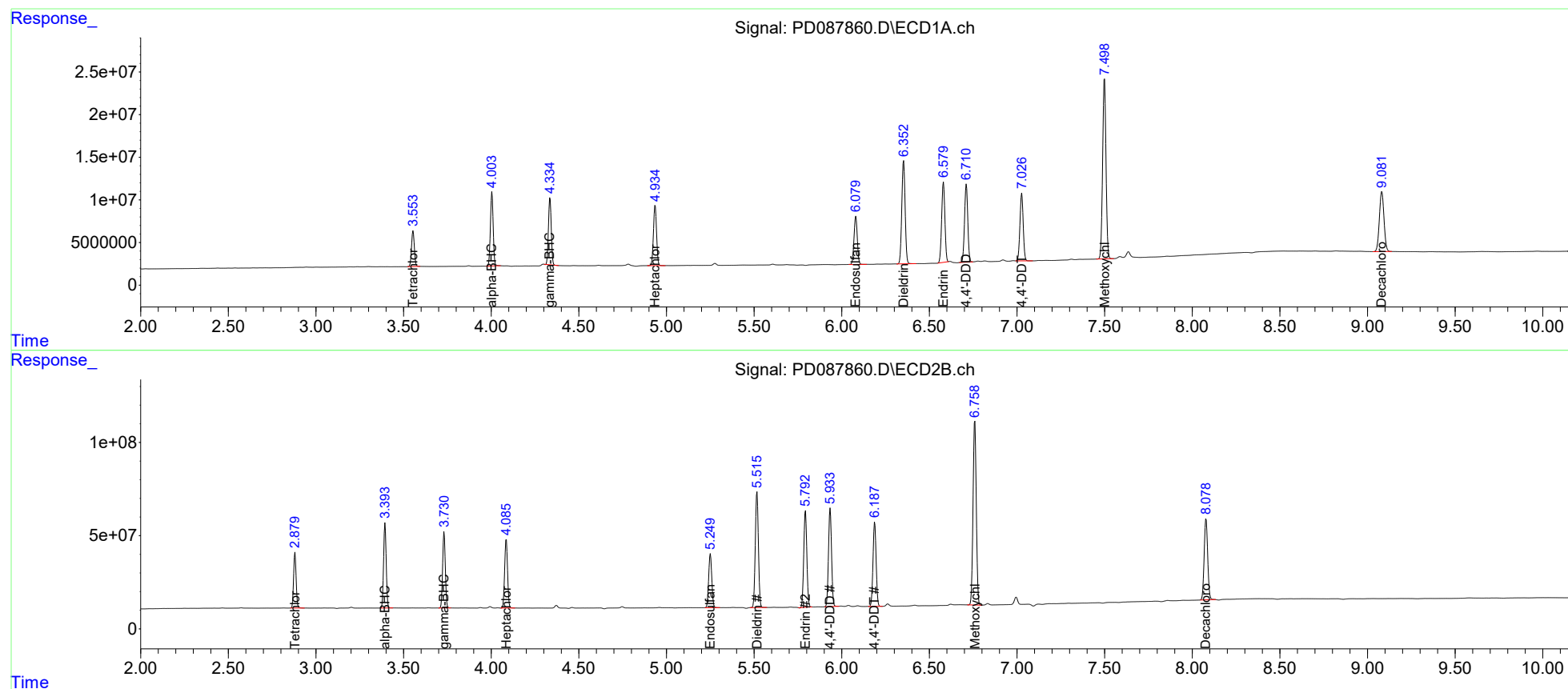
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD021425\
Data File : PD087860.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Feb 2025 13:20
Operator : AR\AJ
Sample : INDA315
Misc :
ALS Vial : 99 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
INDA3232

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 12 16:03:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD011625CLP.M
Quant Title : GC Extractables
QLast Update : Thu Jan 16 13:39:07 2025
Response via : Initial Calibration
Integrator: ChemStation

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





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

CALIBRATION VERIFICATION SUMMARY

Contract: CHEM02

Lab Code: CHEM Case No.: Q1328 SAS No.: Q1328 SDG NO.: Q1328

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 01/16/2025 01/16/2025

Client Sample No.: CCAL02 Date Analyzed: 02/12/2025

Lab Sample No.: INDB315 Data File : PD087861.D Time Analyzed: 14:00

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDE	6.205	6.135	6.275	3522120.000	3567520.000	1.3
Aldrin	5.281	5.231	5.331	4005090.000	4273750.000	6.7
beta-BHC	4.524	4.474	4.574	1796040.000	1959250.000	9.1
cis-Chlordane	6.036	5.966	6.106	3717560.000	3835290.000	3.2
DCB	9.086	8.986	9.186	3343300.000	3285450.000	-1.7
delta-BHC	4.772	4.722	4.822	4132340.000	4562900.000	10.4
Endosulfan II	6.796	6.726	6.866	3219360.000	3294120.000	2.3
Endosulfan sulfate	7.159	7.089	7.229	3087300.000	3040550.000	-1.5
Endrin aldehyde	6.925	6.855	6.995	2519770.000	2461020.000	-2.3
Endrin ketone	7.640	7.570	7.710	3442730.000	3433870.000	-0.3
Heptachlor epoxide	5.701	5.631	5.771	3736230.000	4000690.000	7.1
TCX	3.558	3.508	3.608	2037980.000	2435980.000	19.5
trans-Chlordane	5.956	5.886	6.026	3684100.000	3795020.000	3.0



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CALIBRATION VERIFICATION SUMMARY

Contract: CHEM02

Lab Code: CHEM Case No.: Q1328 SAS No.: Q1328 SDG NO.: Q1328

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 01/16/2025 01/16/2025

Client Sample No.: CCAL02 Date Analyzed: 02/12/2025

Lab Sample No.: INDB315 Data File : PD087861.D Time Analyzed: 14:00

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDE	5.380	5.310	5.450	16378700.000	18522700.000	13.1
Aldrin	4.372	4.322	4.422	18074100.000	21070600.000	16.6
beta-BHC	4.027	3.977	4.077	8530450.000	9936240.000	16.5
cis-Chlordane	5.195	5.125	5.265	17307600.000	19840400.000	14.6
DCB	8.080	7.980	8.180	14484400.000	15214300.000	5.0
delta-BHC	4.264	4.214	4.314	18663800.000	21757900.000	16.6
Endosulfan II	6.085	6.015	6.155	14814700.000	16505300.000	11.4
Endosulfan sulfate	6.487	6.417	6.557	14537000.000	15860200.000	9.1
Endrin aldehyde	6.263	6.193	6.333	11528900.000	12610100.000	9.4
Endrin ketone	6.997	6.927	7.067	15882000.000	16966800.000	6.8
Heptachlor epoxide	4.877	4.807	4.947	16925600.000	19198200.000	13.4
TCX	2.881	2.831	2.931	12367800.000	15683500.000	26.8
trans-Chlordane	5.130	5.060	5.200	17977800.000	20264000.000	12.7

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD021425\
 Data File : PD087861.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 12 Feb 2025 14:00
 Operator : AR\AJ
 Sample : INDB315
 Misc :
 ALS Vial : 100 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

INDB3235

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 02/13/2025

Supervised By :Ankita Jodhani 02/13/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Feb 12 16:03:55 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD011625CLP.M
 Quant Title : GC Extractables
 QLast Update : Thu Jan 16 13:39:07 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							
1)	SA Tetrachlo...	3.558	2.881	48719512	313.7E6	23.906	25.362
27)	SA Decachlor...	9.086	8.080	131.4E6	608.6E6	39.308	42.016
Target Compounds							
5)	MB Aldrin	5.281	4.372	85475063	421.4E6	21.342	23.316
6)	B beta-BHC	4.524	4.027	39184969	198.7E6	21.817	23.296
7)	B delta-BHC	4.772	4.264	91257968	435.2E6	22.084	23.316
8)	B Heptachlo...	5.701	4.877	80013863	384.0E6	21.416	22.685
10)	B trans-Chl...	5.956	5.130	75900363	405.3E6	20.602	22.543
11)	B cis-Chlor...	6.036	5.195	76705743	396.8E6	20.633m	22.927
12)	B 4,4'-DDE	6.205	5.380	142.7E6	740.9E6	40.516m	45.236
15)	B Endosulfa...	6.796	6.085	131.8E6	660.2E6	40.929	44.565
18)	B Endrin al...	6.925	6.263	98440657	504.4E6	39.067	43.751
19)	B Endosulfa...	7.159	6.487	121.6E6	634.4E6	39.394	43.641
21)	B Endrin ke...	7.640	6.997	137.4E6	678.7E6	39.897	42.732

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD021425\
Data File : PD087861.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Feb 2025 14:00
Operator : AR\AJ
Sample : INDB315
Misc :
ALS Vial : 100 Sample Multiplier: 1

Instrument :

ECD_D

Client Sampled :

INDB3235

Manual Integrations

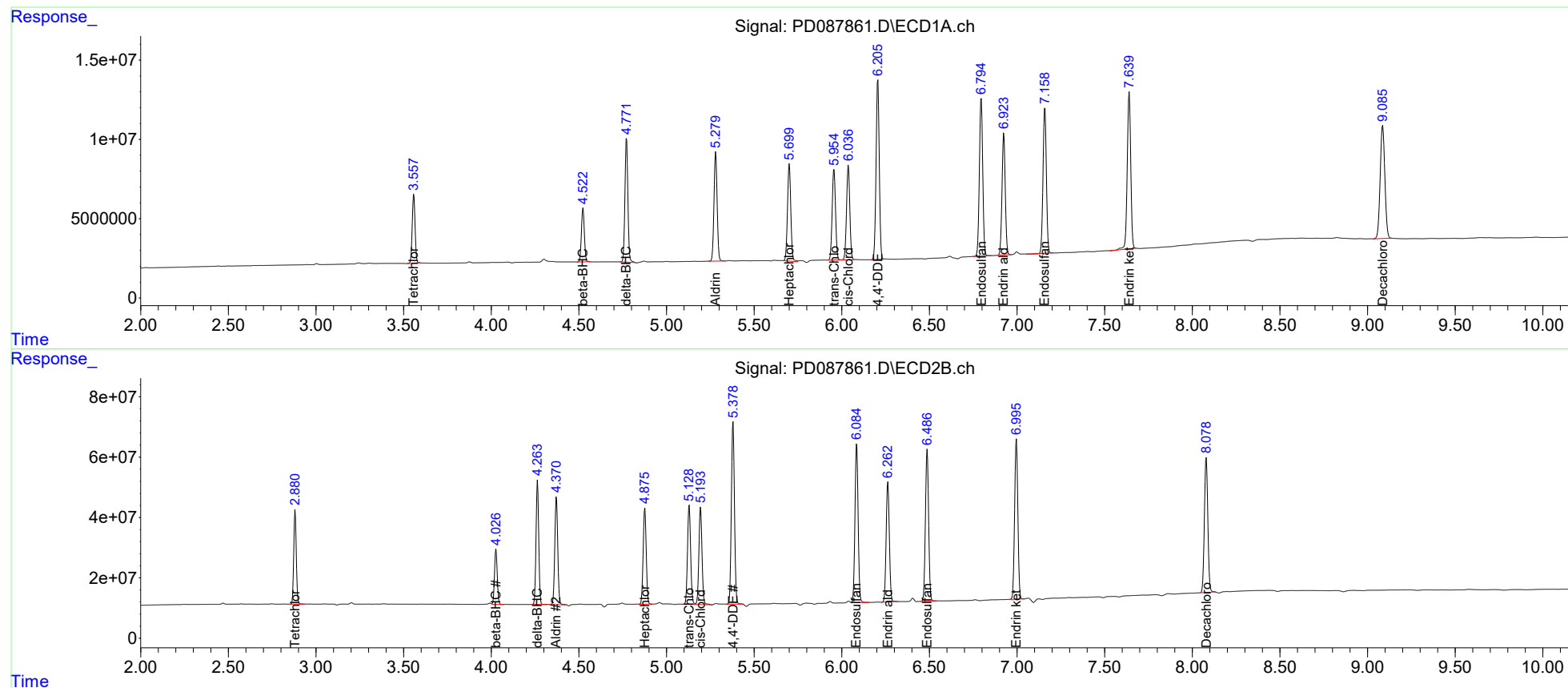
APPROVED

Reviewed By : Abdul Mirza 02/13/2025

Supervised By : Ankita Jodhani 02/13/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 12 16:03:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD011625CLP.M
Quant Title : GC Extractables
QLast Update : Thu Jan 16 13:39:07 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD021425\
Data File : PD087861.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Feb 2025 14:00
Operator : AR\AJ
Sample : INDB315
Misc :
ALS Vial : 100 Sample Multiplier: 1

Instrument :

ECD_D

LabSampleId :

INDB315

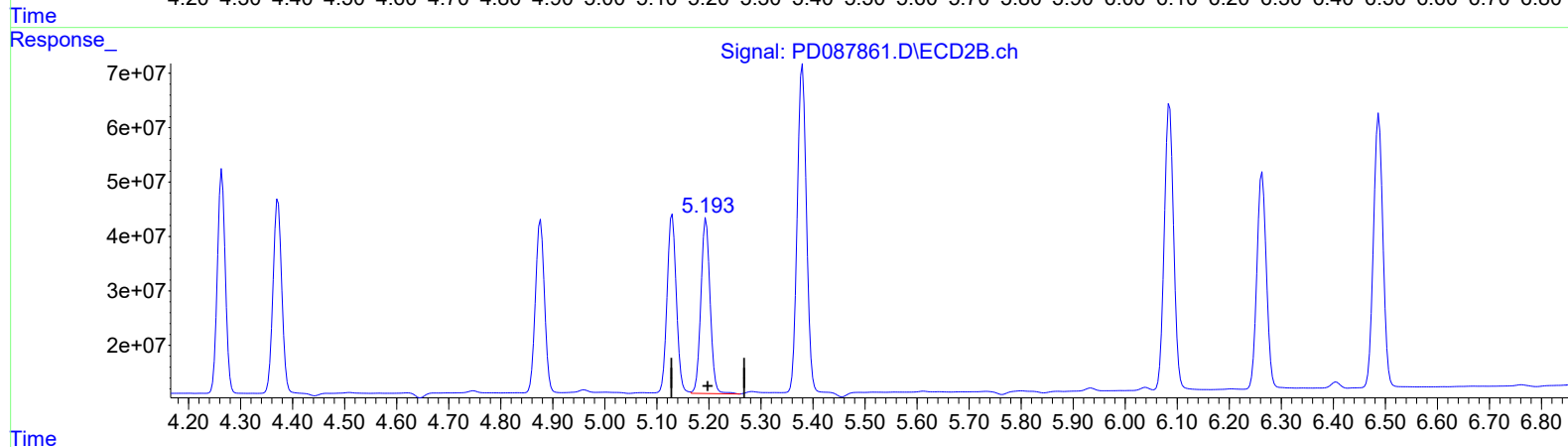
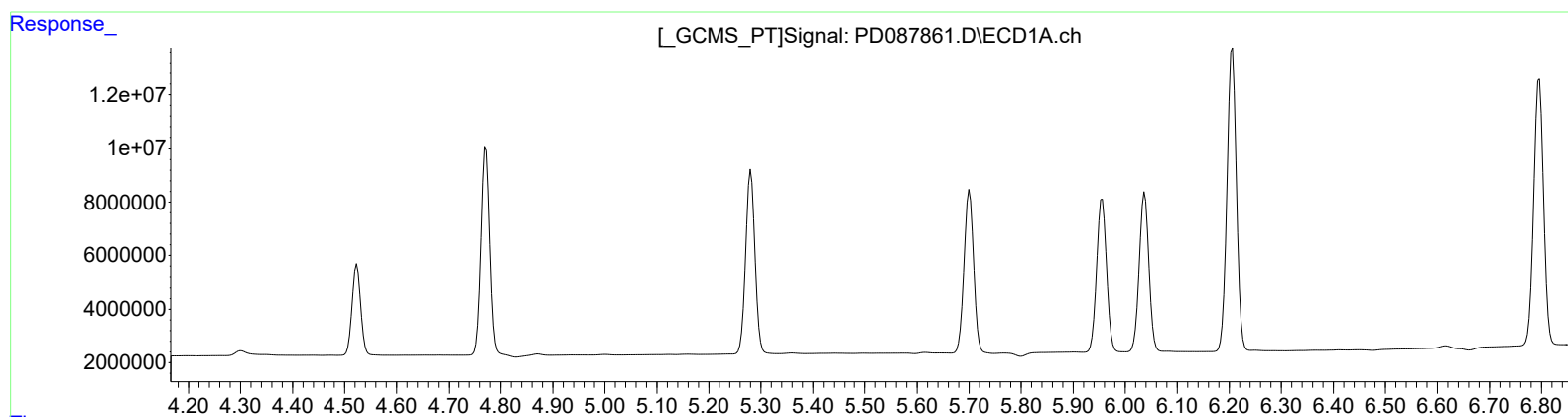
Manual IntegrationsAPPROVED

Reviewed By :Abdul Mirza 02/13/2025

Supervised By :Ankita Jodhani 02/13/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 12 16:03:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD011625CLP.M
Quant Title : GC Extractables
QLast Update : Thu Jan 16 13:39:07 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



QEdit

(11) cis-Chlordane (B)

0.000min 0.000 ng/ml

response 0

(11) cis-Chlordane #2 (B)

5.195min 22.927 ng/ml

response 396807621

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD021425\
Data File : PD087861.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Feb 2025 14:00
Operator : AR\AJ
Sample : INDB315
Misc :
ALS Vial : 100 Sample Multiplier: 1

Instrument :

ECD_D

LabSampleId :

INDB315

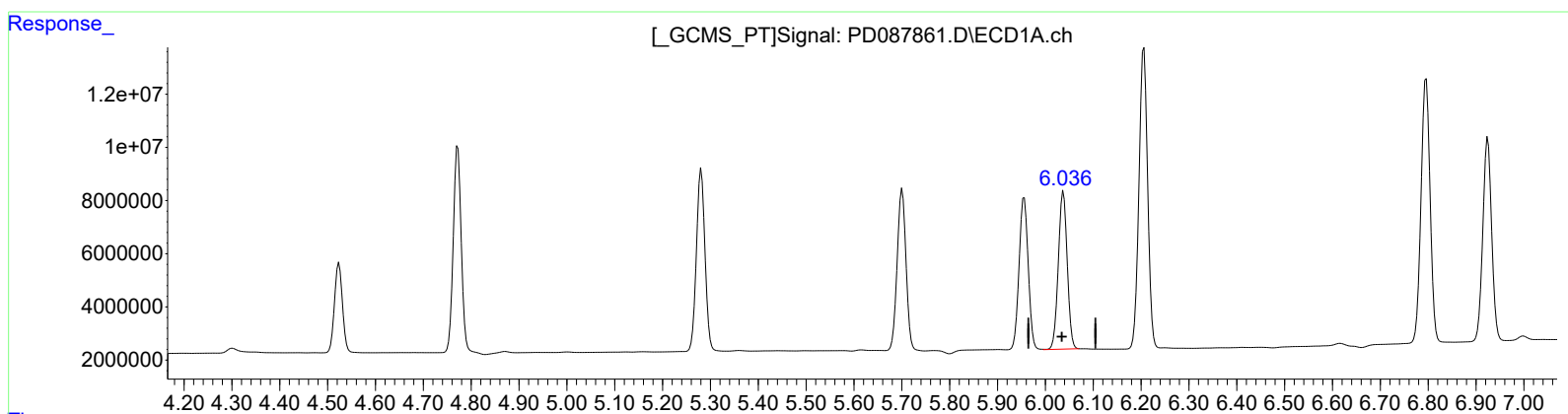
Manual IntegrationsAPPROVED

Reviewed By :Abdul Mirza 02/13/2025

Supervised By :Ankita Jodhani 02/13/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 12 16:03:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD011625CLP.M
Quant Title : GC Extractables
QLast Update : Thu Jan 16 13:39:07 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



(11) cis-Chlordane (B)
6.036min 20.633 ng/ml m
response 76705743

(11) cis-Chlordane #2 (B)
5.195min 22.927 ng/ml
response 396807621

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD021425\
Data File : PD087861.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Feb 2025 14:00
Operator : AR\AJ
Sample : INDB315
Misc :
ALS Vial : 100 Sample Multiplier: 1

Instrument :

ECD_D

LabSampleId :

INDB315

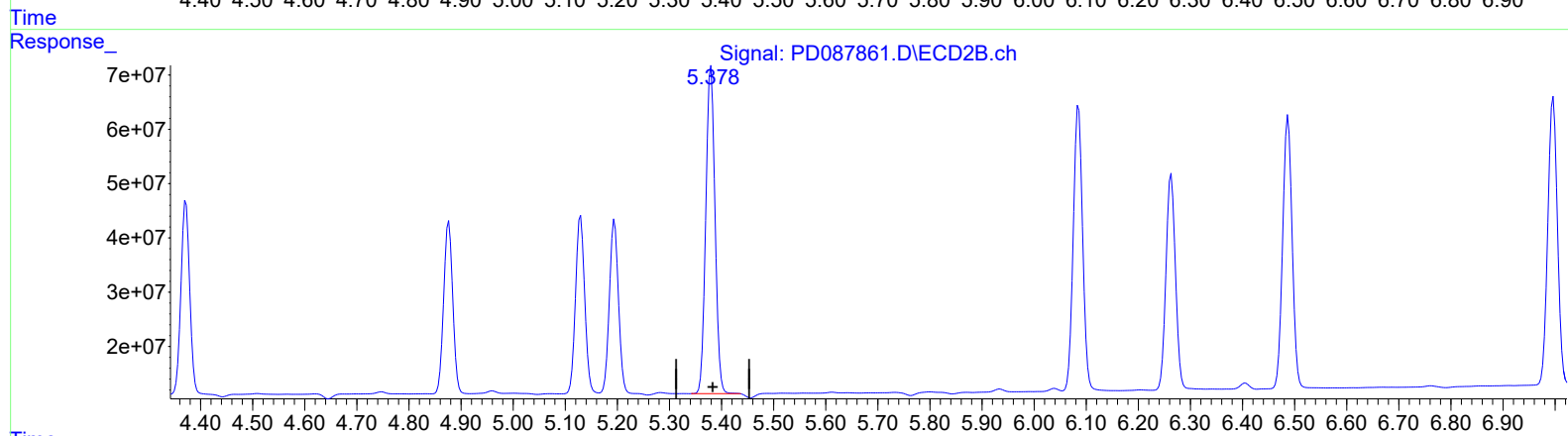
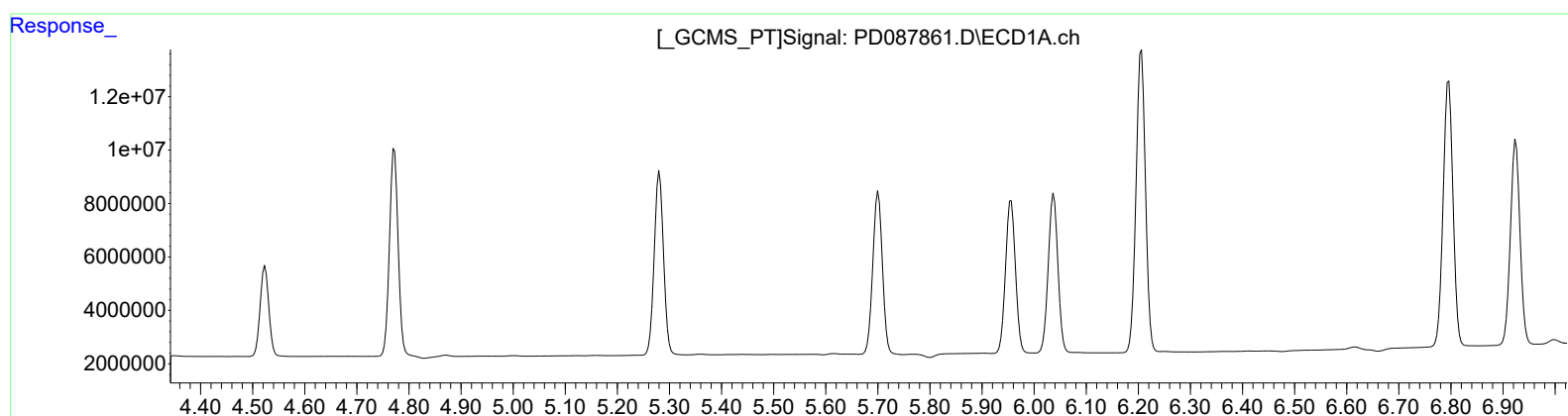
Manual IntegrationsAPPROVED

Reviewed By :Abdul Mirza 02/13/2025

Supervised By :Ankita Jodhani 02/13/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 12 16:03:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD011625CLP.M
Quant Title : GC Extractables
QLast Update : Thu Jan 16 13:39:07 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



QEdit

(12) 4,4'-DDE (B)

0.000min 0.000 ng/ml

response 0

(12) 4,4'-DDE #2 (B)

5.380min 45.236 ng/ml

response 740906865

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD021425\
Data File : PD087861.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Feb 2025 14:00
Operator : AR\AJ
Sample : INDB315
Misc :
ALS Vial : 100 Sample Multiplier: 1

Instrument :

ECD_D

LabSampleId :

INDB315

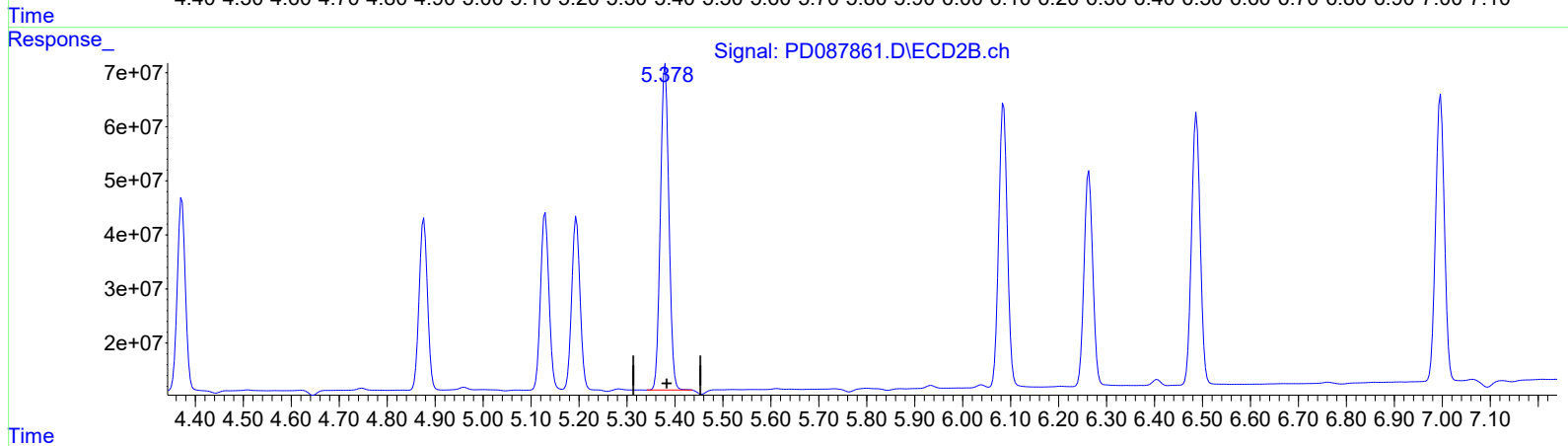
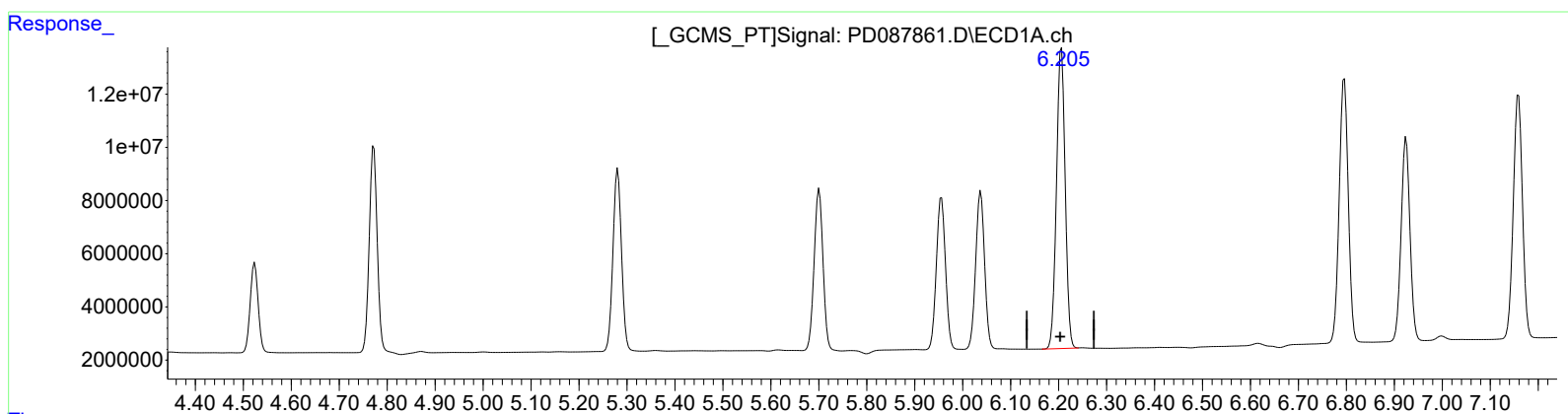
Manual IntegrationsAPPROVED

Reviewed By :Abdul Mirza 02/13/2025

Supervised By :Ankita Jodhani 02/13/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 12 16:03:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD011625CLP.M
Quant Title : GC Extractables
QLast Update : Thu Jan 16 13:39:07 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



QEdit

(12) 4,4'-DDE (B)
6.205min 40.516 ng/ml m
response 142700758

(12) 4,4'-DDE #2 (B)
5.380min 45.236 ng/ml
response 740906865

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: CHEM02

Lab Code: CHEM Case No.: Q1328 SAS No.: Q1328 SDG NO.: Q1328

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 01/16/2025 01/16/2025

Client Sample No. (PEM): PEM - PD087394.D Date Analyzed: 01/16/2025

Lab Sample No.(PEM): PEM041 Time Analyzed: 09:49

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
alpha-BHC	4.005	3.950	4.060	9.640	10.000	-3.6
beta-BHC	4.520	4.470	4.570	9.990	10.000	-0.1
gamma-BHC (Lindane)	4.336	4.290	4.390	9.840	10.000	-1.6
Endrin	6.582	6.510	6.650	46.240	50.000	-7.5
4,4'-DDT	7.029	6.960	7.100	103.780	100.000	3.8
Methoxychlor	7.501	7.430	7.570	246.580	250.000	-1.4
TCX	3.555	3.500	3.610	20.680	20.000	3.4
DCB	9.085	8.980	9.190	20.840	20.000	4.2

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 01/16/2025 01/16/2025

Client Sample No. (PEM): PEM - PD087394.D Date Analyzed: 01/16/2025

Lab Sample No.(PEM): PEM041 Time Analyzed: 09:49

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
alpha-BHC	3.396	3.350	3.450	10.550	10.000	5.5
beta-BHC	4.029	3.980	4.080	10.340	10.000	3.4
gamma-BHC (Lindane)	3.733	3.680	3.780	10.330	10.000	3.3
Endrin	5.797	5.730	5.870	45.610	50.000	-8.8
4,4'-DDT	6.192	6.120	6.260	94.930	100.000	-5.1
Methoxychlor	6.764	6.690	6.830	239.380	250.000	-4.2
TCX	2.882	2.830	2.930	20.690	20.000	3.5
DCB	8.084	7.980	8.180	21.320	20.000	6.6

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: CHEM02

Lab Code: CHEM Case No.: Q1328 SAS No.: Q1328 SDG NO.: Q1328

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 01/16/2025 01/16/2025

Client Sample No. (PEM): PEM - PD087411.D Date Analyzed: 01/16/2025

Lab Sample No.(PEM): PEM042 Time Analyzed: 14:05

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
alpha-BHC	4.009	3.960	4.060	9.970	10.000	-0.3
beta-BHC	4.524	4.470	4.570	10.220	10.000	2.2
gamma-BHC (Lindane)	4.340	4.290	4.390	10.170	10.000	1.7
Endrin	6.586	6.520	6.660	47.750	50.000	-4.5
4,4'-DDT	7.033	6.960	7.100	107.260	100.000	7.3
Methoxychlor	7.506	7.440	7.580	254.190	250.000	1.7
TCX	3.558	3.510	3.610	21.090	20.000	5.5
DCB	9.090	8.990	9.190	21.690	20.000	8.5

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 01/16/2025 01/16/2025

Client Sample No. (PEM): PEM - PD087411.D Date Analyzed: 01/16/2025

Lab Sample No.(PEM): PEM042 Time Analyzed: 14:05

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
alpha-BHC	3.396	3.350	3.450	10.950	10.000	9.5
beta-BHC	4.029	3.980	4.080	10.740	10.000	7.4
gamma-BHC (Lindane)	3.733	3.680	3.780	10.740	10.000	7.4
Endrin	5.798	5.730	5.870	47.510	50.000	-5.0
4,4'-DDT	6.193	6.120	6.260	99.380	100.000	-0.6
Methoxychlor	6.765	6.690	6.840	252.220	250.000	0.9
TCX	2.883	2.830	2.930	21.360	20.000	6.8
DCB	8.086	7.990	8.190	22.310	20.000	11.6

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: CHEM02

Lab Code: CHEM Case No.: Q1328 SAS No.: Q1328 SDG NO.: Q1328

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 01/16/2025 01/16/2025

Client Sample No. (PEM): PEM - PD087853.D Date Analyzed: 02/12/2025

Lab Sample No.(PEM): PEM064 Time Analyzed: 08:39

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
alpha-BHC	4.003	3.950	4.050	10.980	10.000	9.8
beta-BHC	4.519	4.470	4.570	10.880	10.000	8.8
gamma-BHC (Lindane)	4.333	4.280	4.380	11.180	10.000	11.8
Endrin	6.579	6.510	6.650	41.480	50.000	-17.0
4,4'-DDT	7.026	6.960	7.100	89.460	100.000	-10.5
Methoxychlor	7.499	7.430	7.570	212.630	250.000	-14.9
TCX	3.554	3.500	3.600	22.880	20.000	14.4
DCB	9.081	8.980	9.180	17.080	20.000	-14.6

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 01/16/2025 01/16/2025

Client Sample No. (PEM): PEM - PD087853.D Date Analyzed: 02/12/2025

Lab Sample No.(PEM): PEM064 Time Analyzed: 08:39

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
alpha-BHC	3.394	3.340	3.440	12.230	10.000	22.3
beta-BHC	4.026	3.980	4.080	12.020	10.000	20.2
gamma-BHC (Lindane)	3.731	3.680	3.780	11.960	10.000	19.6
Endrin	5.792	5.720	5.860	47.740	50.000	-4.5
4,4'-DDT	6.187	6.120	6.260	93.200	100.000	-6.8
Methoxychlor	6.759	6.690	6.830	233.730	250.000	-6.5
TCX	2.880	2.830	2.930	24.140	20.000	20.7
DCB	8.078	7.980	8.180	20.220	20.000	1.1

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD021425\
 Data File : PD087853.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 12 Feb 2025 08:39
 Operator : AR\AJ
 Sample : PEM064
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PEM052

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 02/13/2025
 Supervised By : Ankita Jodhani 02/13/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Feb 12 16:02:46 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD011625CLP.M
 Quant Title : GC Extractables
 QLast Update : Thu Jan 16 13:39:07 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.554	2.880	46627535	298.5E6	22.879	24.138
27)	SA Decachlor...	9.081	8.078	57102181	292.9E6	17.080	20.219
Target Compounds							
2)	A alpha-BHC	4.003	3.394	45624771	242.3E6	10.982	12.234
3)	MA gamma-BHC...	4.333	3.731	44959546	219.1E6	11.177m	11.959
6)	B beta-BHC	4.519	4.026	19536122	102.5E6	10.877	12.016
12)	B 4,4'-DDE	6.204	5.379	661857	3192422	0.188m	0.195
14)	MA Endrin	6.579	5.792	134.6E6	713.4E6	41.484	47.741
16)	A 4,4'-DDD	6.710	5.933	13564721	92112912	4.934	6.890 #
17)	MA 4,4'-DDT	7.026	6.187	259.3E6	1284.4E6	89.460	93.203
18)	B Endrin al...	6.919	6.262	4891637	30462725	1.941	2.642 #
20)	A Methoxychlor	7.499	6.759	336.9E6	1439.6E6	212.632	233.728
21)	B Endrin ke...	7.635	6.995	16244364	77853797	4.718	4.902

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD021425\
Data File : PD087853.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Feb 2025 08:39
Operator : AR\AJ
Sample : PEM064
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :

ECD_D

Client Sampled :

PEM052

Manual Integrations

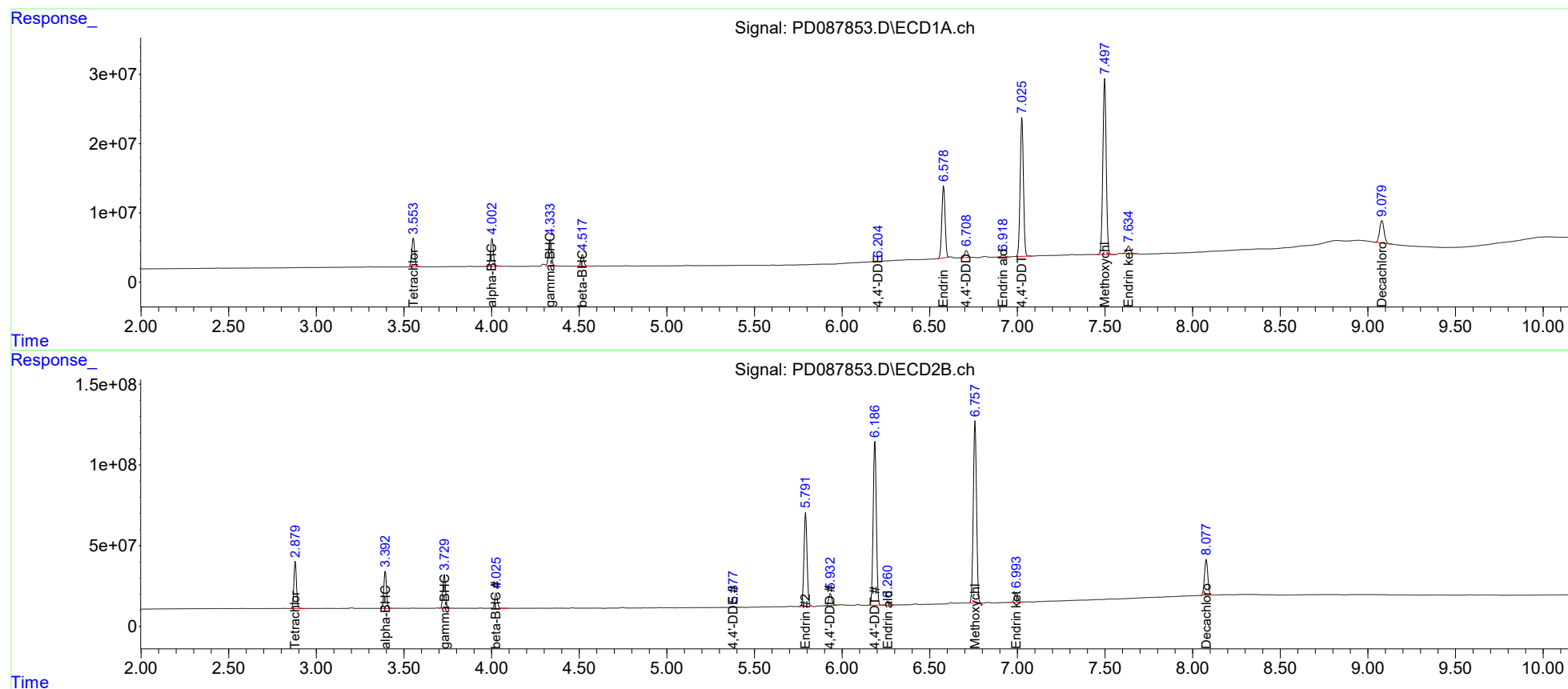
APPROVED

Reviewed By : Abdul Mirza 02/13/2025

Supervised By : Ankita Jodhani 02/13/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 12 16:02:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD011625CLP.M
Quant Title : GC Extractables
QLast Update : Thu Jan 16 13:39:07 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: Chemtech Consulting Group

SDG No.: Q1328

Project: Weekly Storage Blanks

Instrument ID: ECD_D

GC Column: ZB-MR1

ID: 0.32 (mm)

Inst. Calib. Date(s): 01/16/2025 01/16/2025

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

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
RESC011	RESC056	01/16/2025	09:35	PD087393.D	9.09	3.56
PEM030	PEM041	01/16/2025	09:49	PD087394.D	9.09	3.56
PIBLK455	PIBLK092	01/16/2025	13:35	PD087410.D	9.09	3.56
PEM031	PEM042	01/16/2025	14:05	PD087411.D	9.09	3.56
PIBLK487	PIBLK128	02/12/2025	08:25	PD087852.D	9.08	3.55
PEM052	PEM064	02/12/2025	08:39	PD087853.D	9.08	3.55
PEST-GPC2-BLANK	Q1328-11	02/12/2025	10:03	PD087857.D	0.00	0.00
PEST-GPC2-BLANK-SPIKE	Q1328-12	02/12/2025	12:44	PD087858.D	0.00	0.00
PIBLK488	PIBLK129	02/12/2025	13:06	PD087859.D	9.09	3.56
CCAL01	INDA315	02/12/2025	13:20	PD087860.D	9.08	3.56
CCAL01	INDB315	02/12/2025	14:00	PD087861.D	9.09	3.56

Analytical Sequence

Client: Chemtech Consulting Group

SDG No.: Q1328

Project: Weekly Storage Blanks

Instrument ID: ECD_D

GC Column: ZB-MR2

ID: 0.32 (mm)

Inst. Calib. Date(s): 01/16/2025 01/16/2025

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

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
RESC011	RESC056	01/16/2025	09:35	PD087393.D	8.08	2.88
PEM030	PEM041	01/16/2025	09:49	PD087394.D	8.08	2.88
PIBLK455	PIBLK092	01/16/2025	13:35	PD087410.D	8.09	2.88
PEM031	PEM042	01/16/2025	14:05	PD087411.D	8.09	2.88
PIBLK487	PIBLK128	02/12/2025	08:25	PD087852.D	8.08	2.88
PEM052	PEM064	02/12/2025	08:39	PD087853.D	8.08	2.88
PEST-GPC2-BLANK	Q1328-11	02/12/2025	10:03	PD087857.D	0.00	0.00
PEST-GPC2-BLANK-SPIKE	Q1328-12	02/12/2025	12:44	PD087858.D	0.00	0.00
PIBLK488	PIBLK129	02/12/2025	13:06	PD087859.D	8.08	2.88
CCAL01	INDA315	02/12/2025	13:20	PD087860.D	8.08	2.88
CCAL01	INDB315	02/12/2025	14:00	PD087861.D	8.08	2.88



QC SAMPLE DATA

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	02/12/25
Project:	Weekly Storage Blanks	Date Received:	02/12/25
Client Sample ID:	PIBLK-PD087852.D	SDG No.:	Q1328
Lab Sample ID:	I.BLK-PD087852.D	Matrix:	WATER
Analytical Method:	SFAM_PEST	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Decanted:	
Soil Aliquot Vol:	uL	Final Vol:	10000 uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	Injection Volume :	
PH :			
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD087852.D	1		02/12/25	PD021425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0055	U	0.0055	0.050	ug/L
319-85-7	beta-BHC	0.0054	U	0.0054	0.050	ug/L
319-86-8	delta-BHC	0.0099	U	0.0099	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.0059	U	0.0059	0.050	ug/L
76-44-8	Heptachlor	0.0053	U	0.0053	0.050	ug/L
309-00-2	Aldrin	0.0054	U	0.0054	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0053	U	0.0053	0.050	ug/L
959-98-8	Endosulfan I	0.0058	U	0.0058	0.050	ug/L
60-57-1	Dieldrin	0.0056	U	0.0056	0.10	ug/L
72-55-9	4,4-DDE	0.0061	U	0.0061	0.10	ug/L
72-20-8	Endrin	0.0066	U	0.0066	0.10	ug/L
33213-65-9	Endosulfan II	0.0069	U	0.0069	0.10	ug/L
72-54-8	4,4-DDD	0.0072	U	0.0072	0.10	ug/L
1031-07-8	Endosulfan Sulfate	0.0060	U	0.0060	0.10	ug/L
50-29-3	4,4-DDT	0.0057	U	0.0057	0.10	ug/L
72-43-5	Methoxychlor	0.0069	U	0.0069	0.50	ug/L
53494-70-5	Endrin ketone	0.0061	U	0.0061	0.10	ug/L
7421-93-4	Endrin Aldehyde	0.0064	U	0.0064	0.10	ug/L
5103-71-9	cis-Chlordane	0.0059	U	0.0059	0.050	ug/L
5103-74-2	trans-Chlordane	0.0054	U	0.0054	0.050	ug/L
8001-35-2	Toxaphene	0.23	U	0.23	5.00	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	0.23		30 - 150	117%	SPK: 20
2051-24-3	Decachlorobiphenyl	0.27		30 - 150	69%	SPK: 40

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	02/12/25
Project:	Weekly Storage Blanks	Date Received:	02/12/25
Client Sample ID:	PIBLK-PD087852.D	SDG No.:	Q1328
Lab Sample ID:	I.BLK-PD087852.D	Matrix:	WATER
Analytical Method:	SFAM_PEST	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Decanted:	
Soil Aliquot Vol:	uL	Final Vol:	10000 uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	Injection Volume :	
PH :			
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD087852.D	1		02/12/25	PD021425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD021425\
 Data File : PD087852.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 12 Feb 2025 08:25
 Operator : AR\AJ
 Sample : PIBLK128
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PIBLK487

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Feb 12 16:02:36 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD011625CLP.M
 Quant Title : GC Extractables
 QLast Update : Thu Jan 16 13:39:07 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						
1) SA Tetrachlo...	3.554	2.880	47772388	305.4E6	23.441	24.697
27) SA Decachlor...	9.083	8.079	91659196	434.2E6	27.416	29.979

Target Compounds

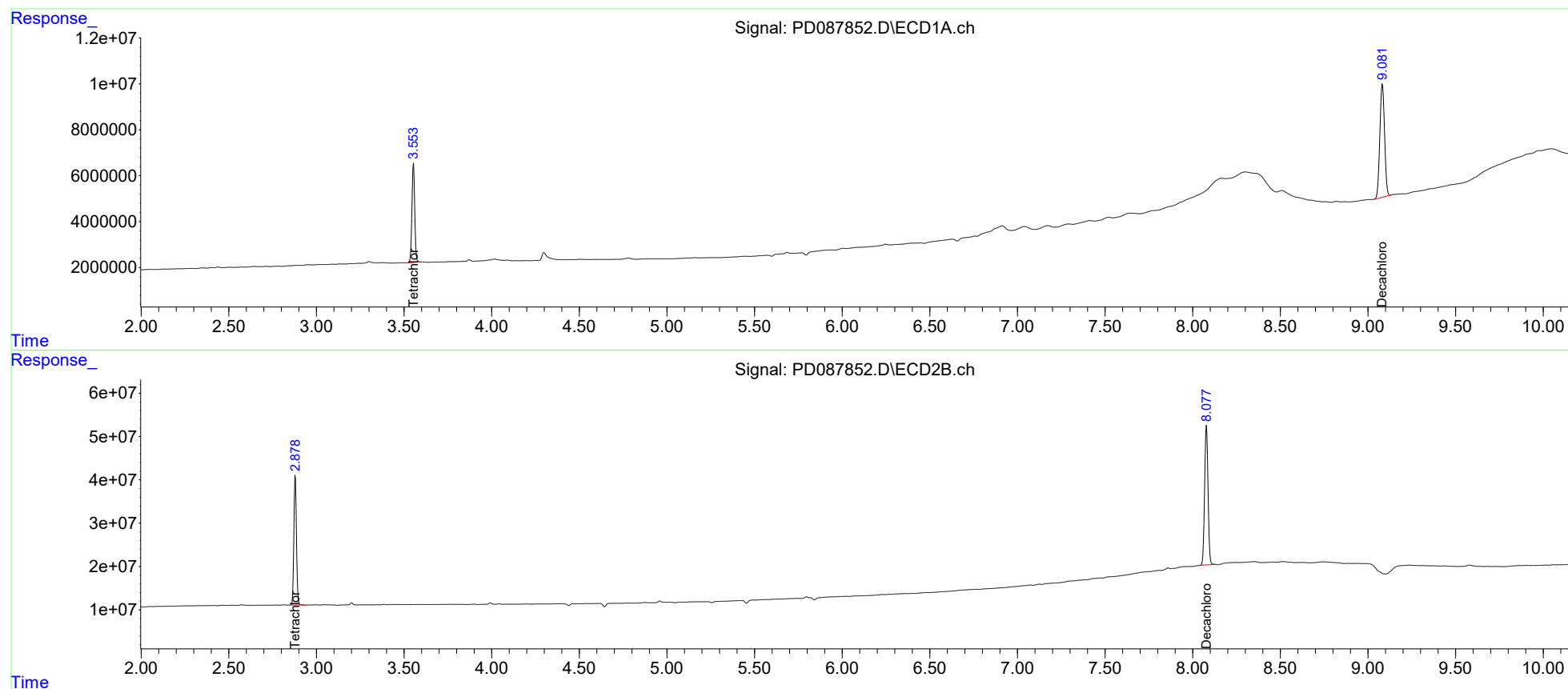
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD021425\
Data File : PD087852.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Feb 2025 08:25
Operator : AR\AJ
Sample : PIBLK128
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PIBLK487

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 12 16:02:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD011625CLP.M
Quant Title : GC Extractables
QLast Update : Thu Jan 16 13:39:07 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	02/12/25
Project:	Weekly Storage Blanks	Date Received:	02/12/25
Client Sample ID:	PIBLK-PD087859.D	SDG No.:	Q1328
Lab Sample ID:	I.BLK-PD087859.D	Matrix:	WATER
Analytical Method:	SFAM_PEST	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Decanted:	
Soil Aliquot Vol:	uL	Final Vol:	10000 uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	Injection Volume :	
PH :			
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD087859.D	1		02/12/25	PD021425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0055	U	0.0055	0.050	ug/L
319-85-7	beta-BHC	0.0054	U	0.0054	0.050	ug/L
319-86-8	delta-BHC	0.0099	U	0.0099	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.0059	U	0.0059	0.050	ug/L
76-44-8	Heptachlor	0.0053	U	0.0053	0.050	ug/L
309-00-2	Aldrin	0.0054	U	0.0054	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0053	U	0.0053	0.050	ug/L
959-98-8	Endosulfan I	0.0058	U	0.0058	0.050	ug/L
60-57-1	Dieldrin	0.0056	U	0.0056	0.10	ug/L
72-55-9	4,4-DDE	0.0061	U	0.0061	0.10	ug/L
72-20-8	Endrin	0.0066	U	0.0066	0.10	ug/L
33213-65-9	Endosulfan II	0.0069	U	0.0069	0.10	ug/L
72-54-8	4,4-DDD	0.0072	U	0.0072	0.10	ug/L
1031-07-8	Endosulfan Sulfate	0.0060	U	0.0060	0.10	ug/L
50-29-3	4,4-DDT	0.0057	U	0.0057	0.10	ug/L
72-43-5	Methoxychlor	0.0069	U	0.0069	0.50	ug/L
53494-70-5	Endrin ketone	0.0061	U	0.0061	0.10	ug/L
7421-93-4	Endrin Aldehyde	0.0064	U	0.0064	0.10	ug/L
5103-71-9	cis-Chlordane	0.0059	U	0.0059	0.050	ug/L
5103-74-2	trans-Chlordane	0.0054	U	0.0054	0.050	ug/L
8001-35-2	Toxaphene	0.23	U	0.23	5.00	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	0.24		30 - 150	118%	SPK: 20
2051-24-3	Decachlorobiphenyl	0.29		30 - 150	74%	SPK: 40

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	02/12/25
Project:	Weekly Storage Blanks	Date Received:	02/12/25
Client Sample ID:	PIBLK-PD087859.D	SDG No.:	Q1328
Lab Sample ID:	I.BLK-PD087859.D	Matrix:	WATER
Analytical Method:	SFAM_PEST	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Decanted:	
Soil Aliquot Vol:	uL	Final Vol:	10000 uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	Injection Volume :	
PH :			
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD087859.D	1		02/12/25	PD021425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD021425\
 Data File : PD087859.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 12 Feb 2025 13:06
 Operator : AR\AJ
 Sample : PIBLK129
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PIBLK488

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Feb 12 16:03:38 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD011625CLP.M
 Quant Title : GC Extractables
 QLast Update : Thu Jan 16 13:39:07 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.558	2.881	48056328	309.3E6	23.580	25.008
27) SA Decachlor...	9.088	8.080	98446362	465.7E6	29.446	32.155

Target Compounds

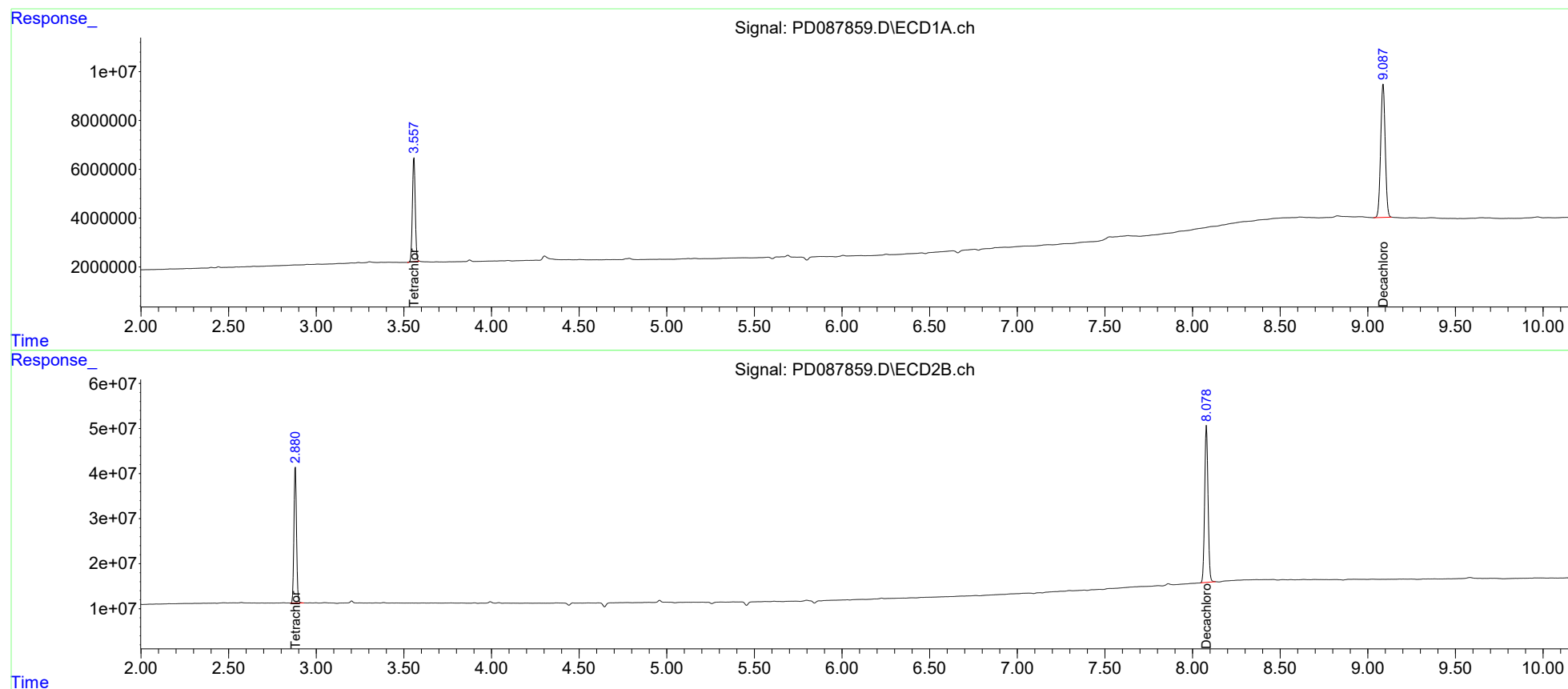
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD021425\
Data File : PD087859.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Feb 2025 13:06
Operator : AR\AJ
Sample : PIBLK129
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PIBLK488

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 12 16:03:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD011625CLP.M
Quant Title : GC Extractables
QLast Update : Thu Jan 16 13:39:07 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Manual Integration Report

Sequence:	PD011625	Instrument	ECD_d
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
TOXAPH101	PD087395.D	Decachlorobiphenyl #2	Abdul	1/17/2025 8:00:51 AM	Ankita	1/17/2025 8:44:40	Peak Integrated by Software
TOXAPH101	PD087395.D	Toxaphene-4 #2	Abdul	1/17/2025 8:00:51 AM	Ankita	1/17/2025 8:44:40	Peak Integrated by Software
PEM042	PD087411.D	4,4"-DDD	Abdul	1/17/2025 8:00:55 AM	Ankita	1/17/2025 8:44:41	Peak Integrated by Software
PEM042	PD087411.D	4,4"-DDD #2	Abdul	1/17/2025 8:00:55 AM	Ankita	1/17/2025 8:44:41	Peak Integrated by Software

Manual Integration Report

Sequence:

PD021425

Instrument

ECD_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM064	PD087853.D	4,4"-DDE	Abdul	2/13/2025 10:40:43 AM	Ankita	2/13/2025 11:20:40	Peak Integrated by Software
PEM064	PD087853.D	gamma-BHC (Lindane)	Abdul	2/13/2025 10:40:43 AM	Ankita	2/13/2025 11:20:40	Peak Integrated by Software
Q1328-12	PD087858.D	gamma-BHC (Lindane)	Abdul	2/13/2025 10:40:49 AM	Ankita	2/13/2025 11:20:41	Peak Integrated by Software
INDB315	PD087861.D	4,4"-DDE	Abdul	2/13/2025 11:20:29 AM	Ankita	2/13/2025 11:20:42	Peak Integrated by Software
INDB315	PD087861.D	cis-Chlordane	Abdul	2/13/2025 11:20:29 AM	Ankita	2/13/2025 11:20:42	Peak Integrated by Software
PEM065	PD087874.D	4,4"-DDE	Abdul	2/13/2025 10:41:01 AM	Ankita	2/13/2025 11:20:44	Peak Integrated by Software
INDB316	PD087878.D	4,4"-DDE	Abdul	2/13/2025 10:41:10 AM	Ankita	2/13/2025 11:20:47	Peak Integrated by Software

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD011625

Review By	Abdul	Review On	1/17/2025 8:01:10 AM
Supervise By	Ankita	Supervise On	1/17/2025 8:44:47 AM
SubDirectory	PD011625	HP Acquire Method	HP Processing Method pd011625clp
STD. NAME	STD REF.#		
Tune/Reschk	PP23732,PP23975		
Initial Calibration Stds	PP23731,PP23730,PP23729,PP23728,PP23727,PP23718,PP23724,PP23717,PP23723,PP23716,PP23722,PP23715,PP23721,PP23714,PP23720		
CCC	PP23716,PP23722,PP23729		
Internal Standard/PEM			
ICV/I.BLK			
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PD087392.D	16 Jan 2025 09:21	AR\AJ	Ok
2	RESC056	PD087393.D	16 Jan 2025 09:35	AR\AJ	Ok
3	PEM041	PD087394.D	16 Jan 2025 09:49	AR\AJ	Ok
4	TOXAPH101	PD087395.D	16 Jan 2025 10:03	AR\AJ	Ok,M
5	TOXAPH201	PD087396.D	16 Jan 2025 10:17	AR\AJ	Ok
6	TOXAPH301	PD087397.D	16 Jan 2025 10:31	AR\AJ	Ok
7	TOXAPH401	PD087398.D	16 Jan 2025 10:45	AR\AJ	Ok
8	TOXAPH501	PD087399.D	16 Jan 2025 10:59	AR\AJ	Ok
9	INDA101	PD087400.D	16 Jan 2025 11:14	AR\AJ	Ok
10	INDB101	PD087401.D	16 Jan 2025 11:28	AR\AJ	Ok
11	INDA201	PD087402.D	16 Jan 2025 11:42	AR\AJ	Ok
12	INDB201	PD087403.D	16 Jan 2025 11:56	AR\AJ	Ok
13	INDA301	PD087404.D	16 Jan 2025 12:10	AR\AJ	Ok
14	INDB301	PD087405.D	16 Jan 2025 12:24	AR\AJ	Ok
15	INDA401	PD087406.D	16 Jan 2025 12:38	AR\AJ	Ok
16	INDB401	PD087407.D	16 Jan 2025 12:52	AR\AJ	Ok
17	INDA501	PD087408.D	16 Jan 2025 13:06	AR\AJ	Ok
18	INDB501	PD087409.D	16 Jan 2025 13:21	AR\AJ	Ok
19	PIBLK092	PD087410.D	16 Jan 2025 13:35	AR\AJ	Ok
20	PEM042	PD087411.D	16 Jan 2025 14:05	AR\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD021425

Review By	Abdul	Review On	2/13/2025 10:41:50 AM
Supervise By	Ankita	Supervise On	2/13/2025 11:21:03 AM
SubDirectory	PD021425	HP Acquire Method	HP Processing Method pd011625clp
STD. NAME	STD REF.#		
Tune/Reschk	PP23732,PP23975		
Initial Calibration Stds	PP23731,PP23730,PP23729,PP23728,PP23727,PP23718,PP23724,PP23717,PP23723,PP23716,PP23722,PP23715,PP23721,PP23714,PP23720		
CCC	PP23716,PP23722,PP23729		
Internal Standard/PEM			
ICV/I.BLK			
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PD087851.D	12 Feb 2025 08:11	AR\AJ	Ok
2	PIBLK128	PD087852.D	12 Feb 2025 08:25	AR\AJ	Ok
3	PEM064	PD087853.D	12 Feb 2025 08:39	AR\AJ	Ok,M
4	PB166389BL	PD087854.D	12 Feb 2025 09:21	AR\AJ	Ok
5	Q1197-12	PD087855.D	12 Feb 2025 09:35	AR\AJ	Ok
6	Q1197-19	PD087856.D	12 Feb 2025 09:49	AR\AJ	Ok
7	Q1328-11	PD087857.D	12 Feb 2025 10:03	AR\AJ	Ok
8	Q1328-12	PD087858.D	12 Feb 2025 12:44	AR\AJ	Ok,M
9	PIBLK129	PD087859.D	12 Feb 2025 13:06	AR\AJ	Ok
10	INDA315	PD087860.D	12 Feb 2025 13:20	AR\AJ	Ok
11	INDB315	PD087861.D	12 Feb 2025 14:00	AR\AJ	Ok,M
12	PB166683BL	PD087862.D	12 Feb 2025 14:33	AR\AJ	Not Ok
13	PB166683BS	PD087863.D	12 Feb 2025 14:47	AR\AJ	Ok
14	Q1336-01	PD087864.D	12 Feb 2025 15:01	AR\AJ	Ok
15	Q1336-02	PD087865.D	12 Feb 2025 15:15	AR\AJ	Ok
16	Q1336-03	PD087866.D	12 Feb 2025 15:29	AR\AJ	Not Ok
17	Q1336-04	PD087867.D	12 Feb 2025 15:44	AR\AJ	Ok
18	Q1336-05	PD087868.D	12 Feb 2025 15:58	AR\AJ	Ok,M
19	Q1336-06	PD087869.D	12 Feb 2025 16:12	AR\AJ	Not Ok
20	Q1336-07	PD087870.D	12 Feb 2025 16:26	AR\AJ	Ok
21	PB166683BL	PD087871.D	12 Feb 2025 16:40	AR\AJ	Not Ok

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD021425

Review By	Abdul	Review On	2/13/2025 10:41:50 AM
Supervise By	Ankita	Supervise On	2/13/2025 11:21:03 AM
SubDirectory	PD021425	HP Acquire Method	HP Processing Method pd011625clp
STD. NAME	STD REF.#		
Tune/Reschk	PP23732,PP23975		
Initial Calibration Stds	PP23731,PP23730,PP23729,PP23728,PP23727,PP23718,PP23724,PP23717,PP23723,PP23716,PP23722,PP23715,PP23721,PP23714,PP23720		
CCC	PP23716,PP23722,PP23729		
Internal Standard/PEM			
ICV/I.BLK			
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	Q1336-03	PD087872.D	12 Feb 2025 16:54	AR\AJ	Not Ok
23	PIBLK130	PD087873.D	12 Feb 2025 17:08	AR\AJ	Ok
24	PEM065	PD087874.D	12 Feb 2025 17:22	AR\AJ	Ok,M
25	Q1274-05DL	PD087875.D	12 Feb 2025 17:50	AR\AJ	Ok,M
26	PIBLK131	PD087876.D	12 Feb 2025 18:32	AR\AJ	Ok
27	INDA316	PD087877.D	12 Feb 2025 18:47	AR\AJ	Ok
28	INDB316	PD087878.D	12 Feb 2025 19:01	AR\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD011625

Review By	Abdul	Review On	1/17/2025 8:01:10 AM
Supervise By	Ankita	Supervise On	1/17/2025 8:44:47 AM
SubDirectory	PD011625	HP Acquire Method	HP Processing Method pd011625clp

STD. NAME	STD REF.#
Tune/Reschk	PP23732,PP23975
Initial Calibration Stds	PP23731,PP23730,PP23729,PP23728,PP23727,PP23718,PP23724,PP23717,PP23723,PP23716,PP23722,PP23715,PP23721,PP23714,PP23720
CCC	PP23716,PP23722,PP23729
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PD087392.D	16 Jan 2025 09:21		AR\AJ	Ok
2	RESC056	RESC011	PD087393.D	16 Jan 2025 09:35		AR\AJ	Ok
3	PEM041	PEM030	PD087394.D	16 Jan 2025 09:49		AR\AJ	Ok
4	TOXAPH101	TOXAPH1042	PD087395.D	16 Jan 2025 10:03		AR\AJ	Ok,M
5	TOXAPH201	TOXAPH2043	PD087396.D	16 Jan 2025 10:17		AR\AJ	Ok
6	TOXAPH301	TOXAPH3044	PD087397.D	16 Jan 2025 10:31		AR\AJ	Ok
7	TOXAPH401	TOXAPH4045	PD087398.D	16 Jan 2025 10:45		AR\AJ	Ok
8	TOXAPH501	TOXAPH5046	PD087399.D	16 Jan 2025 10:59		AR\AJ	Ok
9	INDA101	INDA1047	PD087400.D	16 Jan 2025 11:14		AR\AJ	Ok
10	INDB101	INDB1048	PD087401.D	16 Jan 2025 11:28		AR\AJ	Ok
11	INDA201	INDA2049	PD087402.D	16 Jan 2025 11:42		AR\AJ	Ok
12	INDB201	INDB2050	PD087403.D	16 Jan 2025 11:56		AR\AJ	Ok
13	INDA301	INDA3051	PD087404.D	16 Jan 2025 12:10		AR\AJ	Ok
14	INDB301	INDB3052	PD087405.D	16 Jan 2025 12:24		AR\AJ	Ok
15	INDA401	INDA4053	PD087406.D	16 Jan 2025 12:38		AR\AJ	Ok
16	INDB401	INDB4054	PD087407.D	16 Jan 2025 12:52		AR\AJ	Ok
17	INDA501	INDA5055	PD087408.D	16 Jan 2025 13:06		AR\AJ	Ok
18	INDB501	INDB5056	PD087409.D	16 Jan 2025 13:21		AR\AJ	Ok

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD011625

Review By	Abdul	Review On	1/17/2025 8:01:10 AM
Supervise By	Ankita	Supervise On	1/17/2025 8:44:47 AM
SubDirectory	PD011625	HP Acquire Method	HP Processing Method pd011625clp

STD. NAME	STD REF.#
Tune/Reschk	PP23732,PP23975
Initial Calibration Stds	PP23731,PP23730,PP23729,PP23728,PP23727,PP23718,PP23724,PP23717,PP23723,PP23716,PP23722,PP23715,PP23721,PP23714,PP23720
CCC	PP23716,PP23722,PP23729
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	PIBLK092	PIBLK455	PD087410.D	16 Jan 2025 13:35		AR\AJ	Ok
20	PEM042	PEM031	PD087411.D	16 Jan 2025 14:05		AR\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD021425

Review By	Abdul	Review On	2/13/2025 10:41:50 AM
Supervise By	Ankita	Supervise On	2/13/2025 11:21:03 AM
SubDirectory	PD021425	HP Acquire Method	HP Processing Method pd011625clp

STD. NAME	STD REF.#
Tune/Reschk	PP23732,PP23975
Initial Calibration Stds	PP23731,PP23730,PP23729,PP23728,PP23727,PP23718,PP23724,PP23717,PP23723,PP23716,PP23722,PP23715,PP23721,PP23714,PP23720
CCC	PP23716,PP23722,PP23729
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PD087851.D	12 Feb 2025 08:11		AR\AJ	Ok
2	PIBLK128	PIBLK487	PD087852.D	12 Feb 2025 08:25		AR\AJ	Ok
3	PEM064	PEM052	PD087853.D	12 Feb 2025 08:39		AR\AJ	Ok,M
4	PB166389BL	PBLK389	PD087854.D	12 Feb 2025 09:21		AR\AJ	Ok
5	Q1197-12	E2987	PD087855.D	12 Feb 2025 09:35		AR\AJ	Ok
6	Q1197-19	E2998	PD087856.D	12 Feb 2025 09:49		AR\AJ	Ok
7	Q1328-11	PEST-GPC2-BLANK	PD087857.D	12 Feb 2025 10:03		AR\AJ	Ok
8	Q1328-12	PEST-GPC2-BLANK-S	PD087858.D	12 Feb 2025 12:44		AR\AJ	Ok,M
9	PIBLK129	PIBLK488	PD087859.D	12 Feb 2025 13:06		AR\AJ	Ok
10	INDA315	INDA3232	PD087860.D	12 Feb 2025 13:20		AR\AJ	Ok
11	INDB315	INDB3235	PD087861.D	12 Feb 2025 14:00		AR\AJ	Ok,M
12	PB166683BL	PBLK683	PD087862.D	12 Feb 2025 14:33	will be reanalyzed with clean up	AR\AJ	Not Ok
13	PB166683BS	PLCS683	PD087863.D	12 Feb 2025 14:47		AR\AJ	Ok
14	Q1336-01	E29C5	PD087864.D	12 Feb 2025 15:01		AR\AJ	Ok
15	Q1336-02	E29C7	PD087865.D	12 Feb 2025 15:15		AR\AJ	Ok
16	Q1336-03	E29C6	PD087866.D	12 Feb 2025 15:29	need clean up	AR\AJ	Not Ok
17	Q1336-04	E29C9	PD087867.D	12 Feb 2025 15:44		AR\AJ	Ok
18	Q1336-05	E29D1	PD087868.D	12 Feb 2025 15:58		AR\AJ	Ok,M

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD021425

Review By	Abdul	Review On	2/13/2025 10:41:50 AM
Supervise By	Ankita	Supervise On	2/13/2025 11:21:03 AM
SubDirectory	PD021425	HP Acquire Method	HP Processing Method pd011625clp
STD. NAME	STD REF.#		
Tune/Reschk	PP23732,PP23975		
Initial Calibration Stds	PP23731,PP23730,PP23729,PP23728,PP23727,PP23718,PP23724,PP23717,PP23723,PP23716,PP23722,PP23715,PP23721,PP23714,PP23720		
CCC	PP23716,PP23722,PP23729		
Internal Standard/PEM			
ICV/I.BLK			
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

19	Q1336-06	E29D2	PD087869.D	12 Feb 2025 16:12	need clean up	AR\AJ	Not Ok
20	Q1336-07	E29D4	PD087870.D	12 Feb 2025 16:26		AR\AJ	Ok
21	PB166683BL	PBLK683	PD087871.D	12 Feb 2025 16:40	not used	AR\AJ	Not Ok
22	Q1336-03	E29C6	PD087872.D	12 Feb 2025 16:54	not used	AR\AJ	Not Ok
23	PIBLK130	PIBLK489	PD087873.D	12 Feb 2025 17:08		AR\AJ	Ok
24	PEM065	PEM053	PD087874.D	12 Feb 2025 17:22		AR\AJ	Ok,M
25	Q1274-05DL	DCZT2DL	PD087875.D	12 Feb 2025 17:50		AR\AJ	Ok,M
26	PIBLK131	PIBLK490	PD087876.D	12 Feb 2025 18:32		AR\AJ	Ok
27	INDA316	INDA3234	PD087877.D	12 Feb 2025 18:47		AR\AJ	Ok
28	INDB316	INDB3235	PD087878.D	12 Feb 2025 19:01		AR\AJ	Ok,M

M : Manual Integration



PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 2/10/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 16:40
In Date: 02/07/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:27
Out Date: 02/08/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB134629

Lab ID	Client SampleID	Dish #	Dish Wt (g) (A)	Sample Wt (g)	Dish + Sample Wt (g) (B)	Dish+Dry Sample Wt (g) (C)	% Solid	Comments
Q1328-05	SVOC-GPC-BLANK	1	1.00	1.00	2.00	2.00	100.0	
Q1328-06	PEST-GPC-BLANK	2	1.00	1.00	2.00	2.00	100.0	
Q1328-07	PEST-GPC-BLANK-SPIKE	3	1.00	1.00	2.00	2.00	100.0	
Q1328-08	PCB-GPC-BLANK	4	1.00	1.00	2.00	2.00	100.0	
Q1328-09	PCB-GPC-BLANK-SPIKE	5	1.00	1.00	2.00	2.00	100.0	
Q1328-10	SVOC-GPC2-BLANK	6	1.00	1.00	2.00	2.00	100.0	
Q1328-11	PEST-GPC2-BLANK	7	1.00	1.00	2.00	2.00	100.0	
Q1328-12	PEST-GPC2-BLANK-SPIKE	8	1.00	1.00	2.00	2.00	100.0	
Q1328-13	PCB-GPC2-BLANK	9	1.00	1.00	2.00	2.00	100.0	
Q1328-14	PCB-GPC2-BLANK-SPIKE	10	1.00	1.00	2.00	2.00	100.0	
Q1340-01	RV-SOIL	11	1.15	8.45	9.6	8.11	82.4	
Q1340-02	RV-SOIL-E2	12	1.15	8.67	9.82	8.28	82.2	
Q1341-01	HAR-ROLLOFFS	13	1.14	8.72	9.86	9.16	92.0	
Q1341-02	HAR-ROLLOFFS-E2	14	1.19	8.60	9.79	8.98	90.6	
Q1343-01	WC-9	15	1.15	8.81	9.96	8.57	84.2	
Q1343-02	WC-9-EPH	16	1.16	8.70	9.86	8.49	84.3	
Q1343-03	WC-9-VOC	17	1.14	8.69	9.83	8.73	87.3	
Q1343-05	WC-10	18	1.18	8.41	9.59	8.41	86.0	
Q1343-06	WC-10-EPH	19	1.14	8.56	9.7	7.97	79.8	
Q1343-07	WC-10-VOC	20	1.13	8.85	9.98	8.88	87.6	
Q1343-09	WC-7	21	1.18	8.55	9.73	8.75	88.5	
Q1343-10	WC-7-EPH	22	1.13	8.77	9.9	8.65	85.7	
Q1343-11	WC-7-VOC	23	1.13	8.80	9.93	8.62	85.1	
Q1343-12	WC-7	24	1.18	8.55	9.73	8.75	88.5	
Q1343-13	WC-13	25	1.15	8.78	9.93	8.91	88.4	
Q1343-14	WC-13-EPH	26	1.11	8.85	9.96	8.6	84.6	
Q1343-15	WC-13-VOC	27	1.14	8.40	9.54	8.27	84.9	
Q1343-17	WC-14	28	1.18	8.81	9.99	8.68	85.1	



PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 2/10/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 16:40
In Date: 02/07/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:27
Out Date: 02/08/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB134629

Lab ID	Client SampleID	Dish #	Dish Wt (g) (A)	Sample Wt (g)	Dish + Sample Wt (g) (B)	Dish+Dry Sample Wt (g) (C)	% Solid	Comments
Q1343-18	WC-14-EPH	29	1.14	8.83	9.97	8.85	87.3	
Q1343-19	WC-14-VOC	30	1.15	8.80	9.95	8.94	88.5	

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

919462d

WorkList Name : %1-020725

WorkList ID : 187555

Department : Wet-Chemistry

Date : 02-07-2025 07:58:55

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1328-05	SVOC-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D11	02/07/2025	Chemtech -SO
Q1328-06	PEST-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D11	02/07/2025	Chemtech -SO
Q1328-07	PEST-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	D11	02/07/2025	Chemtech -SO
Q1328-08	PCB-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D11	02/07/2025	Chemtech -SO
Q1328-09	PCB-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	D11	02/07/2025	Chemtech -SO
Q1328-10	SVOC-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D11	02/07/2025	Chemtech -SO
Q1328-11	PEST-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D11	02/07/2025	Chemtech -SO
Q1328-12	PEST-GPC2-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	D11	02/07/2025	Chemtech -SO
Q1328-13	PCB-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D11	02/07/2025	Chemtech -SO
Q1328-14	PCB-GPC2-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	D11	02/07/2025	Chemtech -SO
Q1340-01	RV-SOIL	Solid	Percent Solids	Cool 4 deg C	PSEG03	N41	02/07/2025	Chemtech -SO
Q1340-02	RV-SOIL-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	N41	02/07/2025	Chemtech -SO
Q1341-01	HAR-ROLLOFFS	Solid	Percent Solids	Cool 4 deg C	PSEG03	N41	02/07/2025	Chemtech -SO
Q1341-02	HAR-ROLLOFFS-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	N41	02/07/2025	Chemtech -SO
Q1343-01	WC-9	Solid	Percent Solids	Cool 4 deg C	PSEG03	N51	02/07/2025	Chemtech -SO
Q1343-02	WC-9-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	N51	02/07/2025	Chemtech -SO
Q1343-03	WC-9-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	N51	02/07/2025	Chemtech -SO
Q1343-05	WC-10	Solid	Percent Solids	Cool 4 deg C	PSEG03	N51	02/07/2025	Chemtech -SO
Q1343-06	WC-10-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	N51	02/07/2025	Chemtech -SO
Q1343-07	WC-10-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	N51	02/07/2025	Chemtech -SO
Q1343-09	WC-7	Solid	Percent Solids	Cool 4 deg C	PSEG03	N51	02/07/2025	Chemtech -SO

Date/Time 02/07/25 15:30
 Raw Sample Received by: 886094
 Raw Sample Relinquished by: R3 c644 (ab)

Date/Time 02/07/25 17:10
 Raw Sample Received by: R3 c644 (ab)
 Raw Sample Relinquished by: 886094

WORKLIST(Hardcopy Internal Chain)

27 134629

WorkList Name : %1-020725 WorkList ID : 187555 Department : Wet-Chemistry Date : 02-07-2025 07:58:55

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1343-10	WC-7-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	N51	02/07/2025	Chemtech -SO
Q1343-11	WC-7-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	N51	02/07/2025	Chemtech -SO
Q1343-12	WC-7	Solid	Percent Solids	Cool 4 deg C	PSEG03	N51	02/07/2025	Chemtech -SO
Q1343-13	WC-13	Solid	Percent Solids	Cool 4 deg C	PSEG03	N51	02/07/2025	Chemtech -SO
Q1343-14	WC-13-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	N51	02/07/2025	Chemtech -SO
Q1343-15	WC-13-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	N51	02/07/2025	Chemtech -SO
Q1343-17	WC-14	Solid	Percent Solids	Cool 4 deg C	PSEG03	N51	02/07/2025	Chemtech -SO
Q1343-18	WC-14-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	N51	02/07/2025	Chemtech -SO
Q1343-19	WC-14-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	N51	02/07/2025	Chemtech -SO

Date/Time 02/07/25 15:30
Raw Sample Received by: JPL WOC
Raw Sample Relinquished by: RJ CEXT-1601

Date/Time 02/07/25 17:10
Raw Sample Received by: RJ CEXT-1601
Raw Sample Relinquished by: SP Cext-1

SOP ID: M3620C-Florisol cleanup-6, M3640A-GPC cleanup-6

Clean Up SOP #: GPC Cleanup, Florisol

Extraction Start Date : 02/10/2025

Matrix : Solid

Extraction Start Time : 10:30

Weigh By: N/A

Extraction By: N/A

Extraction End Date : 02/11/2025

Balance check: N/A

Filter By: N/A

Extraction End Time : 10:10

Balance ID: N/A

pH Meter ID: N/A

Concentration By: RS

pH Strip Lot#: N/A

Hood ID: 6,7

Supervisor By : rajesh

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

Standard Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
GPC Pest Spike	10.0ML	20/40 PPB	PP24060
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
MeCl2/Acetone/1:1	N/A	EP2582
Baked Na2SO4	N/A	EP2585
Methylene Chloride	N/A	E3874
Hexane	N/A	E3872
Florisol	N/A	E3806
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
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:

No Extraction only GPC Check prepared.

KD Bath ID: WATER BATH-1

Envap ID: NEVAP-02

KD Bath Temperature: 60 °C

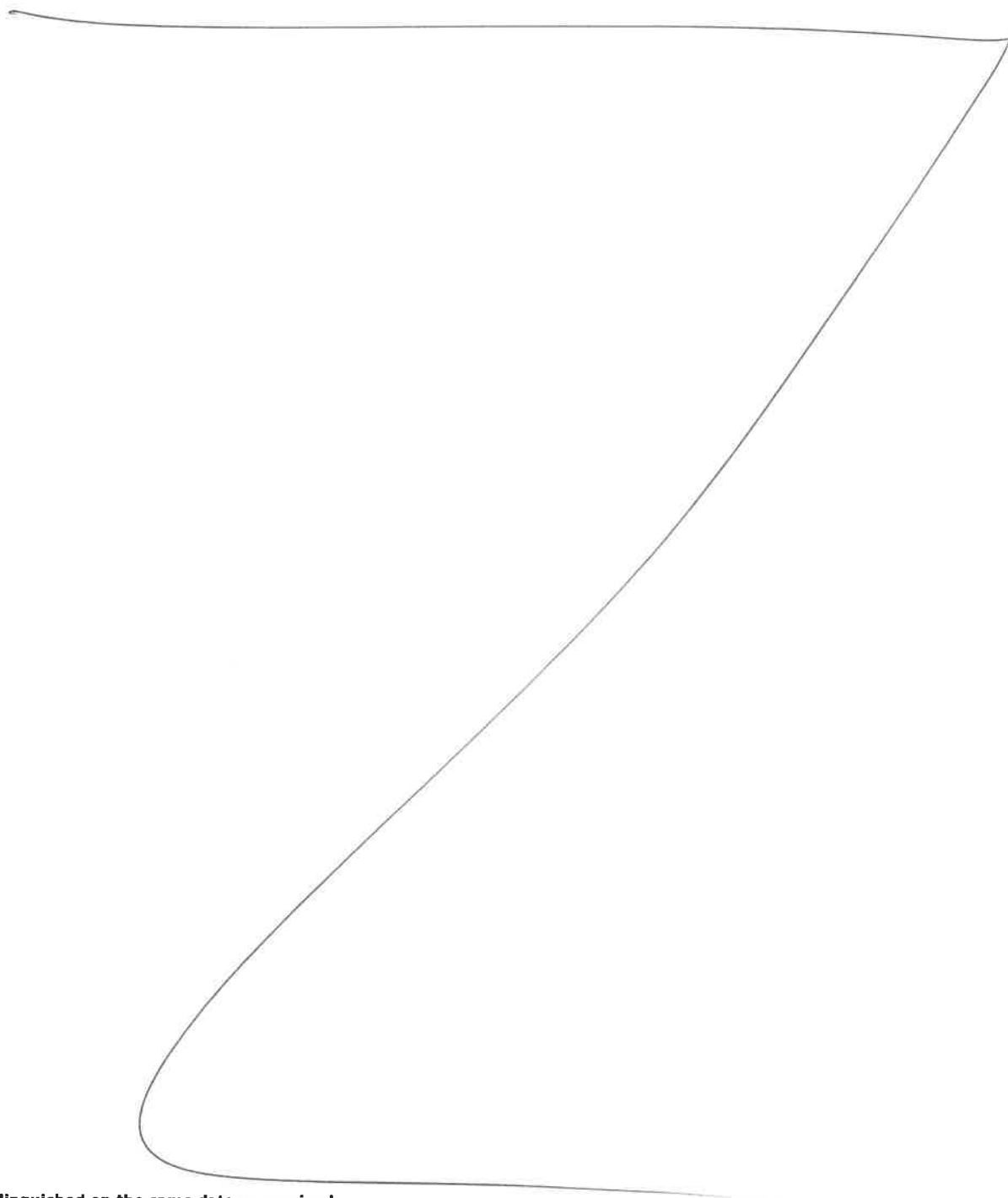
Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
02/11/25	RP (Envt Lab)	R. Pest/PCB Lab
10:15	Preparation Group	Analysis Group

Analytical Method: M3620C-Florisil cleanup-6, M3640A-GPC cleanup-6

Concentration Date: 02/11/2025

Sample ID	Client Sample ID	Test	g / <u>mL</u>	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
Q1328-11	PEST-GPC2-BLANK	Pesticide-TCL	10.0	N/A	RUPESH	rajesh	5			
Q1328-12	PEST-GPC2-BLANK-SPIKE	Pesticide-TCL	10.0	N/A	RUPESH	rajesh	5			



* Extracts relinquished on the same date as received.



WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q1328

WorkList ID : 187607

Department : Extraction

Date : 02-10-2025 10:26:53

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1328-10	SVOC-GPC2-BLANK	Solid	SVOC-Chemtech Full -25	Cool 4 deg C	CHEM02	D11	02/07/2025	SFAM_SVOC
Q1328-11	PEST-GPC2-BLANK	Solid	Pesticide-TCL	Cool 4 deg C	CHEM02	D11	02/07/2025	SFAM_PEST
Q1328-12	PEST-GPC2-BLANK-SPIKE	Solid	Pesticide-TCL	Cool 4 deg C	CHEM02	D11	02/07/2025	SFAM_PEST
Q1328-13	PCB-GPC2-BLANK	Solid	PCB	Cool 4 deg C	CHEM02	D11	02/07/2025	SFAM_PCB
Q1328-14	PCB-GPC2-BLANK-SPIKE	Solid	PCB	Cool 4 deg C	CHEM02	D11	02/07/2025	SFAM_PCB

Date/Time 02/10/25
 Raw Sample Received by: RS (Ext Lab)
 Raw Sample Relinquished by: OP SM

Date/Time 02/10/25
 Raw Sample Received by: OP SM
 Raw Sample Relinquished by: RS (Ext Lab)

Prep Standard - Chemical Standard Summary

Order ID : Q1328

Test : Pesticide-TCL

Prepbatch ID : PB166655,

Sequence ID/Qc Batch ID: PD021425,

Standard ID :

EP2582,EP2585,PP23713,PP23714,PP23715,PP23716,PP23717,PP23718,PP23719,PP23720,PP23721,PP23722,PP23723,PP23724,PP23725,PP23726,PP23727,PP23728,PP23729,PP23730,PP23731,PP23732,PP23975,PP24060,

Chemical ID :

E3551,E3788,E3805,E3806,E3826,E3829,E3872,E3873,E3874,P11763,P11797,P11945,P13191,P13360,P13383,

Extractions 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>
2017	1:1 ACETONE/METHYLENE CHLORIDE	EP2582	02/04/2025	07/29/2025	Rajesh Parikh	None	None	RUPESHKUMAR SHAH 02/04/2025

FROM 8000.00000ml of E3873 + 8000.00000ml of E3874 = Final Quantity: 16000.000 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>
3923	Baked Sodium Sulfate	EP2585	02/07/2025	07/01/2025	Rajesh Parikh	Extraction_SC ALE_2 (EX-SC-2)	None	RUPESHKUMAR SHAH 02/07/2025

FROM 4000.00000gram of E3551 = Final Quantity: 4000.000 gram

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>
3921	CS6 IND STD MIX A	PP23713	10/02/2024	03/30/2025	Abdul Mirza	None	None	Yogesh Patel
								10/03/2024

FROM 1.00000ml of P11945 + 49.00000ml of E3805 = 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>
679	CS5 IND STD MIX A	PP23714	10/02/2024	03/30/2025	Abdul Mirza	None	None	Yogesh Patel
								10/03/2024

FROM 0.50000ml of E3805 + 0.50000ml of PP23713 = 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>
680	CS4 IND STD MIX A	PP23715	10/02/2024	03/30/2025	Abdul Mirza	None	None	Yogesh Patel
								10/03/2024

FROM 0.50000ml of E3805 + 0.50000ml of PP23714 = 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>
681	CS3 IND STD MIX A	PP23716	10/02/2024	03/30/2025	Abdul Mirza	None	None	Yogesh Patel
								10/03/2024

FROM 0.50000ml of E3805 + 0.50000ml of PP23715 = 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>
682	CS2 IND STD MIX A	PP23717	10/02/2024	03/30/2025	Abdul Mirza	None	None	Yogesh Patel
								10/03/2024

FROM 0.50000ml of E3805 + 0.50000ml of PP23716 = 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>
683	CS1 IND STD MIX A	PP23718	10/02/2024	03/30/2025	Abdul Mirza	None	None	Yogesh Patel
								10/03/2024

FROM 0.50000ml of E3805 + 0.50000ml of PP23717 = 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>
3920	CS6 IND STD MIX B	PP23719	10/02/2024	03/30/2025	Abdul Mirza	None	None	Yogesh Patel
								10/03/2024

FROM 1.00000ml of P11763 + 49.00000ml of E3805 = 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>
684	CS5 IND STD MIX B	PP23720	10/02/2024	03/30/2025	Abdul Mirza	None	None	Yogesh Patel
								10/03/2024

FROM 0.50000ml of E3805 + 0.50000ml of PP23719 = 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>
685	CS4 IND STD MIX B	PP23721	10/02/2024	03/30/2025	Abdul Mirza	None	None	Yogesh Patel
								10/03/2024

FROM 0.50000ml of E3805 + 0.50000ml of PP23720 = 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>
686	CS3 IND STD MIX B	PP23722	10/02/2024	03/30/2025	Abdul Mirza	None	None	Yogesh Patel
								10/03/2024

FROM 0.50000ml of E3805 + 0.50000ml of PP23721 = 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>
687	CS2 IND STD MIX B	PP23723	10/02/2024	03/30/2025	Abdul Mirza	None	None	Yogesh Patel
								10/03/2024

FROM 0.50000ml of E3805 + 0.50000ml of PP23722 = 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>
688	CS1 IND STD MIX B	PP23724	10/02/2024	03/30/2025	Abdul Mirza	None	None	Yogesh Patel
								10/03/2024

FROM 0.50000ml of E3805 + 0.50000ml of PP23723 = 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>
70	10/20 PPM Pest/PCB SOM01.2 Surg Stock	PP23725	10/02/2024	04/01/2025	Abdul Mirza	None	None	Yogesh Patel
								10/03/2024

FROM 1.00000ml of P13383 + 9.00000ml of E3788 = Final Quantity: 10.000 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>
3922	Toxaphene CS6	PP23726	10/02/2024	03/30/2025	Abdul Mirza	None	None	Yogesh Patel
								10/03/2024

FROM 0.80000ml of P13360 + 48.40000ml of E3805 + 0.80000ml of PP23725 = 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>
674	Toxaphene CS5	PP23727	10/02/2024	03/30/2025	Abdul Mirza	None	None	Yogesh Patel
								10/03/2024

FROM 0.50000ml of E3805 + 0.50000ml of PP23726 = 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>
675	Toxaphene CS4	PP23728	10/02/2024	03/30/2025	Abdul Mirza	None	None	Yogesh Patel
								10/03/2024

FROM 0.50000ml of E3805 + 0.50000ml of PP23727 = 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>
676	Toxaphene CS3	PP23729	10/02/2024	03/30/2025	Abdul Mirza	None	None	Yogesh Patel
								10/03/2024

FROM 0.50000ml of E3805 + 0.50000ml of PP23727 = 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>
677	Toxaphene CS2	PP23730	10/02/2024	03/30/2025	Abdul Mirza	None	None	Yogesh Patel
								10/03/2024

FROM 0.50000ml of E3805 + 0.50000ml of PP23729 = 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>
678	Toxaphene CS1	PP23731	10/02/2024	03/30/2025	Abdul Mirza	None	None	Yogesh Patel
								10/03/2024

FROM 0.50000ml of E3805 + 0.50000ml of PP23730 = 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>
776	EPA S0M01.2 RESCHK	PP23732	10/02/2024	03/30/2025	Abdul Mirza	None	None	Yogesh Patel
								10/03/2024

FROM 0.50000ml of PP23716 + 0.50000ml of PP23722 = 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>
758	PEM Mix w/Surr	PP23975	11/14/2024	05/09/2025	Ankita Jodhani	None	None	Yogesh Patel
								11/18/2024

FROM 1.00000ml of P11797 + 99.00000ml of E3826 = Final Quantity: 100.000 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>
3793	20/40 PPB PEST GPC spike solution	PP24060	11/25/2024	05/18/2025	Ankita Jodhani	None	None	Yogesh Patel
								11/27/2024

FROM 0.08000ml of P13191 + 99.92000ml of E3829 = Final Quantity: 100.000 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	313201	07/01/2025	01/03/2024 / Rajesh	07/20/2023 / Rajesh	E3551

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)	23H1462005	04/23/2025	08/13/2024 / Rajesh	08/13/2024 / Rajesh	E3788

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)	24C1862008	03/30/2025	09/30/2024 / Rajesh	09/25/2024 / Rajesh	E3805

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agela Technologies Inc.	FS0006 / Cleanert Florisil cartridge	M06518	03/25/2025	10/01/2024 / Rajesh	09/25/2024 / Rajesh	E3806

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)	24G1962003	05/09/2025	11/09/2024 / Rajesh	11/07/2024 / Rajesh	E3826

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	24J0862003	05/18/2025	11/18/2024 / Rajesh	11/04/2024 / Rajesh	E3829

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)	24G1962003	07/29/2025	01/29/2025 / Rajesh	01/29/2025 / Rajesh	E3872

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)	24H2762008	07/29/2025	01/29/2025 / Rajesh	01/29/2025 / Rajesh	E3873

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	25A0262002	07/30/2025	01/30/2025 / Rajesh	01/20/2025 / Rajesh	E3874

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32004 / Pesticide Mix, CLP method, Standard Mix B 3/90 SOW, Hexane, 1mL/ampul	A0176477	04/02/2025	10/02/2024 / Abdul	05/27/2022 / Sohil	P11763

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32074 / Pesticide Performance Evaluation Mix w/Surrogate	A0183168	05/14/2025	11/14/2024 / Ankita	05/27/2022 / Sohil	P11797

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32003 / Pesticide Mix, CLP method, Standard Mix A 3/90 SOW, Hexane, 1mL/ampul	A0176384	04/02/2025	10/02/2024 / Abdul	06/22/2022 / Abdul	P11945

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32018 / Pesticide Matrix Spike Mix	A0203053	05/25/2025	11/25/2024 / Ankita	01/15/2024 / Abdul	P13191

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32005 / Toxaphene Standard	A0203830	04/02/2025	10/02/2024 / Abdul	05/03/2024 / Abdul	P13360

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32453 / SOM01.1 Pesticide Surrogate Standard	A0194530	04/02/2025	10/02/2024 / Abdul	12/06/2023 / Abdul	P13383



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

MIRADOR 201, COL. MIRADOR
MONTERREY, N.L. MEXICO
CP 64070
TEL +52 81 13 52 57 57
www.pqm.com.mx

CERTIFICATE OF ANALYSIS

PRODUCT :	SODIUM SULFATE CRYSTALS ANHYDROUS		
QUALITY :	ACS (CODE RMB3375)	FORMULA :	Na ₂ SO ₄
SPECIFICATION NUMBER :	6399	RELEASE DATE:	ABR/21/2023
LOT NUMBER :	313201		

TEST	SPECIFICATIONS	LOT VALUES
Assay (Na ₂ SO ₄)	Min. 99.0%	99.7 %
pH of a 5% solution at 25°C	5.2 - 9.2	6.1
Insoluble matter	Max. 0.01%	0.005 %
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%	0.002 %
Magnesium (Mg)	Max. 0.005%	0.001 %
Potassium (K)	Max. 0.008%	0.003 %
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%	0.1 %
Retained on US Standard No. 60 sieve	Min. 94%	97.3 %
Through US Standard No. 60 sieve	Max. 5%	2.5 %
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.

Recd. by R3 on 7/24/23 E 3551

RC-02-01, Ed. 3

Acetone

BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

Avantor™



Material No.: 9254-03
Batch No.: 23H1462005
Manufactured Date: 2023-07-26
Expiration Date: 2026-07-25
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ((CH ₃) ₂ CO) (by GC, corrected for water)	≥ 99.4 %	99.7 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.3 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titration Acid (μeq/g)	≤ 0.3	0.1
Titration Base (μeq/g)	≤ 0.6	< 0.1
Water (H ₂ O)	≤ 0.5 %	0.3 %
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: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Recd by RP on 8/13/24

E 3788

Ken Koehnlein
Sr. Manager, Quality Assurance

Hexanes (95% n-hexane)
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

Avantor™



Material No.: 9262-03
Batch No.: 24C1862008
Manufactured Date: 2024-01-30
Expiration Date: 2025-04-30
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	1
ECD-Sensitive Impurities (as Ethylene Dibromide) - Single Impurity Peak (ng/mL)	≤ 5	1
Assay (Total Saturated C ₆ Isomers) (by GC, corrected for water)	≥ 99.5 %	99.7 %
Assay (as n-Hexane) (by GC, corrected for water)	≥ 95 %	98 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.4 ppm
Substances Darkened by H ₂ SO ₄	Passes Test	Passes Test
Water (by KF, coulometric)	≤ 0.05 %	< 0.01 %

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

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

Recd. by RP on 9/25/24

E 3805

Jamie Croak
Director Quality Operations, Bioscience Production

Cleanert Florisil

1g/6ml 30/pkg

固相萃取产品

LOT#: M06518

MFG#: F04074



Made in China

CAT# FS0006

 Agela Technologies

E 3806



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



Material No.: 9262-03
Batch No.: 24G1962003
Manufactured Date: 2024-05-23
Expiration Date: 2025-08-22
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	3
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	1
ECD-Sensitive Impurities (as Ethylene Dibromide) - Single Impurity Peak (ng/mL)	≤ 5	1
Assay (Total Saturated C ₆ Isomers) (by GC, corrected for water)	$\geq 99.5 \%$	99.7 %
Assay (as n-Hexane) (by GC, corrected for water)	$\geq 95 \%$	98 %
Color (APHA)	≤ 10	5
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: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

E 3826

Rec'd by RP on 11/7/24

Jamie Croak
Director Quality Operations, Bioscience Production

11/6/24

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)

 **avantors[™]**

Material No.: 9266-A4

Batch No.: 24J0862003

Manufactured Date: 2024-09-12

Expiration Date: 2025-12-12

Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	2
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	≤ 10	1
Assay (CH_2Cl_2) (by GC, exclusive of preservative, corrected for water)	$\geq 99.8\%$	100.0 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.2 ppm
Titration Acid ($\mu\text{eq/g}$)	≤ 0.3	< 0.1
Chloride (Cl)	≤ 10 ppm	< 5 ppm
Water (by KF, coulometric)	$\leq 0.02\%$	$< 0.01\%$

For Laboratory, Research, or Manufacturing Use

MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States

Packaging Site: Phillipsburg Mfg Ctr & DC

E 3829



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

Avantor™



Material No.: 9262-03
Batch No.: 24G1962003
Manufactured Date: 2024-05-23
Expiration Date: 2025-08-22
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	3
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	1
ECD-Sensitive Impurities (as Ethylene Dibromide) - Single Impurity Peak (ng/mL)	≤ 5	1
Assay (Total Saturated C ₈ Isomers) (by GC, corrected for water)	≥ 99.5 %	99.7 %
Assay (as n-Hexane) (by GC, corrected for water)	≥ 95 %	98 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.1 ppm
Substances Darkened by H ₂ SO ₄	Passes Test	Passes Test
Water (by KF, coulometric)	≤ 0.05 %	< 0.01 %

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

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

Recd by RP on 1/29/25

E 3872

Jamie Croak
Director Quality Operations, Bioscience Production

Acetone

BAKER RESI-ANALYZED® Reagent

For Organic Residue Analysis

avantor™



Material No.: 9254-03

Batch No.: 24H2762008

Manufactured Date: 2024-04-18

Expiration Date: 2027-04-18

Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ((CH ₃) ₂ CO) (by GC, corrected for water)	>= 99.4 %	100.0 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.0 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 %	<0.1 %
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

Recd. by RP on 1/29/25

E 3873

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

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)



Material No.: 9266-A4
Batch No.: 25A0262002
Manufactured Date: 2024-11-21
Expiration Date: 2026-02-20
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	4
Assay (CH_2Cl_2) (by GC, exclusive of preservative, corrected for water)	$\geq 99.8\%$	99.9%
Color (APHA)	≤ 10	10
Residue after Evaporation	≤ 1.0 ppm	0.8 ppm
Titration Acid ($\mu\text{eq/g}$)	≤ 0.3	< 0.1
Chloride (Cl)	≤ 10 ppm	< 5 ppm
Water (by KF, coulometric)	$\leq 0.02\%$	$< 0.01\%$

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

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

E 3874

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



CERTIFIED REFERENCE MATERIAL

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

www.restek.com

Certificate of Analysis

P11759 to P11763

Received by : SJ 5/27/2022



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. : 32004 Lot No.: A0176477

Description : Pesticide Standard Mix B (3/90)

Pesticide Standard Mix B (3/90) 8-16 µg/mL, Hexane/Toluene (90:10), 1mL/ampul

Container Size : 2 mL Pkg Amt: > 1 mL

Expiration Date : September 30, 2025 Storage: 10°C or colder

Handling: Contains PCBs - sonicate prior to use. Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	2,4,5,6-Tetrachloro-m-xylene CAS # 877-09-8 (Lot 0052481) Purity 98%	8.0 µg/mL	+/- 0.1453 +/- 0.3910 +/- 0.5461	µg/mL Gravimetric Unstressed Stressed
2	beta-BHC CAS # 319-85-7 (Lot SL210106) Purity 99%	8.0 µg/mL	+/- 0.1447 +/- 0.3892 +/- 0.5436	µg/mL Gravimetric Unstressed Stressed
3	delta-BHC CAS # 319-86-8 (Lot 8-TAH-175-1) Purity 98%	8.0 µg/mL	+/- 0.1453 +/- 0.3910 +/- 0.5461	µg/mL Gravimetric Unstressed Stressed
4	Aldrin CAS # 309-00-2 (Lot 12044700) Purity 99%	8.0 µg/mL	+/- 0.1447 +/- 0.3892 +/- 0.5436	µg/mL Gravimetric Unstressed Stressed
5	Heptachlor epoxide (isomer B) CAS # 1024-57-3 (Lot 11129300) Purity 99%	8.0 µg/mL	+/- 0.1447 +/- 0.3892 +/- 0.5436	µg/mL Gravimetric Unstressed Stressed
6	trans-Chlordane CAS # 5103-74-2 (Lot 32095) Purity 99%	8.0 µg/mL	+/- 0.1447 +/- 0.3892 +/- 0.5436	µg/mL Gravimetric Unstressed Stressed
7	cis-Chlordane CAS # 5103-71-9 (Lot 31707) Purity 99%	8.0 µg/mL	+/- 0.1447 +/- 0.3892 +/- 0.5436	µg/mL Gravimetric Unstressed Stressed

8	4,4'-DDE			16.1	µg/mL	+/-	0.2906	µg/mL	Gravimetric
	CAS #	72-55-9	(Lot GHYQG)			+/-	0.7817	µg/mL	Unstressed
	Purity	99%				+/-	1.0918	µg/mL	Stressed
9	Endosulfan II			16.0	µg/mL	+/-	0.2894	µg/mL	Gravimetric
	CAS #	33213-65-9	(Lot 10861900)			+/-	0.7785	µg/mL	Unstressed
	Purity	99%				+/-	1.0873	µg/mL	Stressed
10	Endrin aldehyde			16.0	µg/mL	+/-	0.2894	µg/mL	Gravimetric
	CAS #	7421-93-4	(Lot 30606)			+/-	0.7785	µg/mL	Unstressed
	Purity	99%				+/-	1.0873	µg/mL	Stressed
11	Endosulfan sulfate			16.0	µg/mL	+/-	0.2894	µg/mL	Gravimetric
	CAS #	1031-07-8	(Lot BCCB0424)			+/-	0.7785	µg/mL	Unstressed
	Purity	99%				+/-	1.0873	µg/mL	Stressed
12	Endrin ketone			16.0	µg/mL	+/-	0.2895	µg/mL	Gravimetric
	CAS #	53494-70-5	(Lot 11058900)			+/-	0.7788	µg/mL	Unstressed
	Purity	98%				+/-	1.0877	µg/mL	Stressed
13	Decachlorobiphenyl (BZ# 209)			16.1	µg/mL	+/-	0.2906	µg/mL	Gravimetric
	CAS #	2051-24-3	(Lot 30679)			+/-	0.7817	µg/mL	Unstressed
	Purity	99%				+/-	1.0918	µg/mL	Stressed
Solvent: Hexane/Toluene (90:10)									
CAS # 110-54-3/108-88-3									
Purity 99%									

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

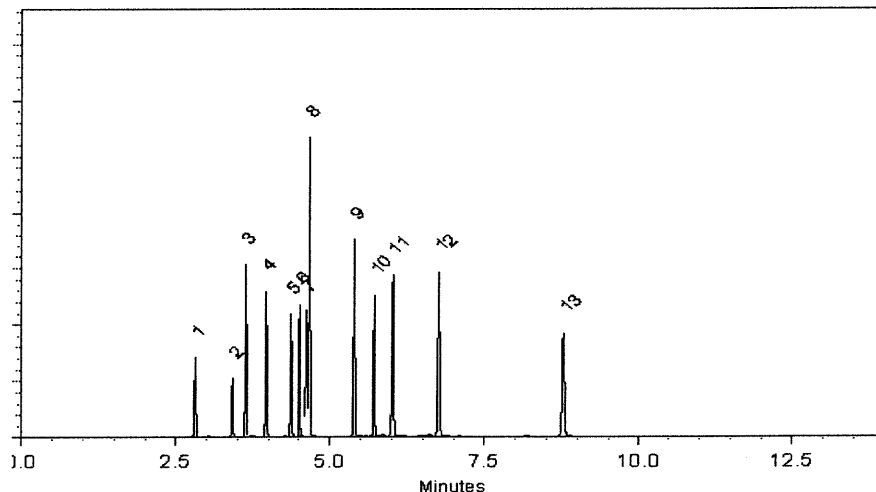
Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD



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.

Aurelia B. Confer

Aurelia Confer - Operations Tech I

Date Mixed: 16-Sep-2021

Balance: B707717271

Amanda Miller

Amanda Miller - Operations Tech-ARM QC

Date Passed: 20-Sep-2021

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

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k \sqrt{U_{gravimetric}^2 + U_{homogeneity}^2 + U_{storage\ stability}^2 + U_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer) -20°C or colder (Deep Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.



CERTIFIED REFERENCE MATERIAL

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

www.restek.com

Certificate of Analysis

P11789 to P11793

Received by SJ 5/27/2022



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. : 32074 **Lot No.:** A0183168

Description : Pesticide Performance Eval Mix w/Surrogate

Performance Evaluation Std. 3/90 SOW w/surrogates 1-25µg/mL,
Hexane, 1mL/ampul

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

Expiration Date : March 31, 2026 **Storage:** 10°C or colder

Handling: Contains PCBs - sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	2,4,5,6-Tetrachloro-m-xylene CAS # 877-09-8 (Lot 0052481) Purity 98%	2.0 µg/mL	+/- 0.1220 +/- 0.1523 +/- 0.1799	µg/mL Gravimetric Unstressed Stressed
2	alpha-BHC CAS # 319-84-6 (Lot 12469000) Purity 99%	1.0 µg/mL	+/- 0.0610 +/- 0.0762 +/- 0.0900	µg/mL Gravimetric Unstressed Stressed
3	gamma-BHC (Lindane) CAS # 58-89-9 (Lot 12642100) Purity 99%	1.0 µg/mL	+/- 0.0610 +/- 0.0762 +/- 0.0900	µg/mL Gravimetric Unstressed Stressed
4	beta-BHC CAS # 319-85-7 (Lot BCCC6425) Purity 99%	1.0 µg/mL	+/- 0.0610 +/- 0.0762 +/- 0.0900	µg/mL Gravimetric Unstressed Stressed
5	Endrin CAS # 72-20-8 (Lot 13000500) Purity 99%	5.1 µg/mL	+/- 0.3045 +/- 0.3805 +/- 0.4496	µg/mL Gravimetric Unstressed Stressed
6	4,4'-DDT CAS # 50-29-3 (Lot 210916JLM) Purity 99%	10.1 µg/mL	+/- 0.6090 +/- 0.7609 +/- 0.8992	µg/mL Gravimetric Unstressed Stressed
7	Methoxychlor CAS # 72-43-5 (Lot 12555700) Purity 98%	25.2 µg/mL	+/- 1.5221 +/- 1.9018 +/- 2.2475	µg/mL Gravimetric Unstressed Stressed

8	Decachlorobiphenyl (BZ# 209)	2.0 µg/mL	+/- 0.1221	µg/mL	Gravimetric
	CAS # 2051-24-3 (Lot 30679)		+/- 0.1524	µg/mL	Unstressed
	Purity 99%		+/- 0.1800	µg/mL	Stressed

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

Column:
30m x .25mm x .2µm
Rtx-CLP II (cat.# 11323)

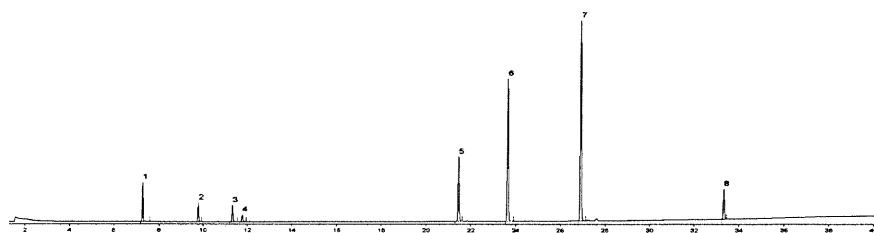
Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
150°C to 300°C
@ 4°C/min. (hold 5 min.)

Inj. Temp:
200°C

Det. Temp:
300°C

Det. Type:
ECD

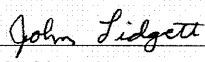


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Brittany Federinko - Operations Tech I

Date Mixed: 22-Mar-2022

Balance: 1128360905


John Lidgett - AD Chemist

Date Passed: 24-Mar-2022

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

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k \sqrt{U_{gravimetric}^2 + U_{homogeneity}^2 + U_{storage\ stability}^2 + U_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer) -20°C or colder (Deep Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.



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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

P11794 to P11798

Received by SJ 5/27/2022



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. : 32074 **Lot No.:** A0183168

Description : Pesticide Performance Eval Mix w/Surrogate

Performance Evaluation Std. 3/90 SOW w/surrogates 1-25µg/mL, Hexane, 1mL/ampul

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

Expiration Date : March 31, 2026 **Storage:** 10°C or colder

Handling: Contains PCBs - sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)
1	2,4,5,6-Tetrachloro-m-xylene CAS # 877-09-8 (Lot 0052481) Purity 98%	2.0 µg/mL	+/- 0.1220 µg/mL Gravimetric +/- 0.1523 µg/mL Unstressed +/- 0.1799 µg/mL Stressed
2	alpha-BHC CAS # 319-84-6 (Lot 12469000) Purity 99%	1.0 µg/mL	+/- 0.0610 µg/mL Gravimetric +/- 0.0762 µg/mL Unstressed +/- 0.0900 µg/mL Stressed
3	gamma-BHC (Lindane) CAS # 58-89-9 (Lot 12642100) Purity 99%	1.0 µg/mL	+/- 0.0610 µg/mL Gravimetric +/- 0.0762 µg/mL Unstressed +/- 0.0900 µg/mL Stressed
4	beta-BHC CAS # 319-85-7 (Lot BCCC6425) Purity 99%	1.0 µg/mL	+/- 0.0610 µg/mL Gravimetric +/- 0.0762 µg/mL Unstressed +/- 0.0900 µg/mL Stressed
5	Endrin CAS # 72-20-8 (Lot 13000500) Purity 99%	5.1 µg/mL	+/- 0.3045 µg/mL Gravimetric +/- 0.3805 µg/mL Unstressed +/- 0.4496 µg/mL Stressed
6	4,4'-DDT CAS # 50-29-3 (Lot 210916JLM) Purity 99%	10.1 µg/mL	+/- 0.6090 µg/mL Gravimetric +/- 0.7609 µg/mL Unstressed +/- 0.8992 µg/mL Stressed
7	Methoxychlor CAS # 72-43-5 (Lot 12555700) Purity 98%	25.2 µg/mL	+/- 1.5221 µg/mL Gravimetric +/- 1.9018 µg/mL Unstressed +/- 2.2475 µg/mL Stressed

8	Decachlorobiphenyl (BZ# 209)	2.0 µg/mL	+/- 0.1221	µg/mL	Gravimetric
	CAS # 2051-24-3 (Lot 30679)		+/- 0.1524	µg/mL	Unstressed
	Purity 99%		+/- 0.1800	µg/mL	Stressed

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

Column:
 30m x .25mm x .2um
 Rtx-CLP II (cat.# 11323)

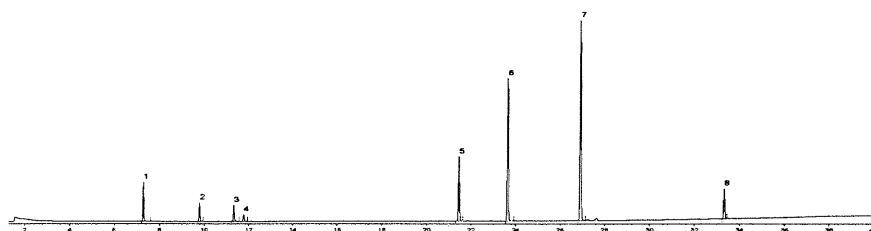
Carrier Gas:
 helium-constant pressure 20 psi.

Temp. Program:
 150°C to 300°C
 @ 4°C/min. (hold 5 min.)

Inj. Temp:
 200°C

Det. Temp:
 300°C

Det. Type:
 ECD



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.

Brittany Federinko
 Brittany Federinko - Operations Tech I

Date Mixed: 22-Mar-2022 **Balance:** 1128360905

John Lidgett
 John Lidgett - AD Chemist

Date Passed: 24-Mar-2022

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

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
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- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k \sqrt{U_{gravimetric}^2 + U_{homogeneity}^2 + U_{storage\ stability}^2 + U_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
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25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer) -20°C or colder (Deep Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.



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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. : 32018 **Lot No.:** A0203053
Description : Pesticide Matrix Spike Mix
Pesticide Matrix Spike Mix 25-50 µg/mL, Acetone, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : October 31, 2027 **Storage:** 10°C or colder
Ship: Ambient

P13191
↓
P13194
9/15/2024

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	gamma-BHC (Lindane)	58-89-9	14646400	99%	25.0 µg/mL	+/- 1.3149
2	Heptachlor	76-44-8	813251	99%	25.0 µg/mL	+/- 1.3149
3	Aldrin	309-00-2	14389400	98%	25.0 µg/mL	+/- 1.3164
4	Dieldrin	60-57-1	14515000	98%	50.0 µg/mL	+/- 2.6297
5	Endrin	72-20-8	14485300	98%	50.0 µg/mL	+/- 2.6286
6	4,4'-DDT	50-29-3	230410JLMA	98%	50.1 µg/mL	+/- 2.6317

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

Solvent: Acetone
CAS # 67-64-1
Purity 99%



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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. : 32005 **Lot No.:** A0203038

Description : Toxaphene Standard

Toxaphene Standard 1000 µg/mL, Hexane, 1mL/ampul

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

Expiration Date : January 31, 2028 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Toxaphene	8001-35-2	1051817	----%	1,009.0 µg/mL	+/- 55.9920

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

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

P 13358
↓
P 13369
(12)

✓
05-06-2024

Quality Confirmation Test

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

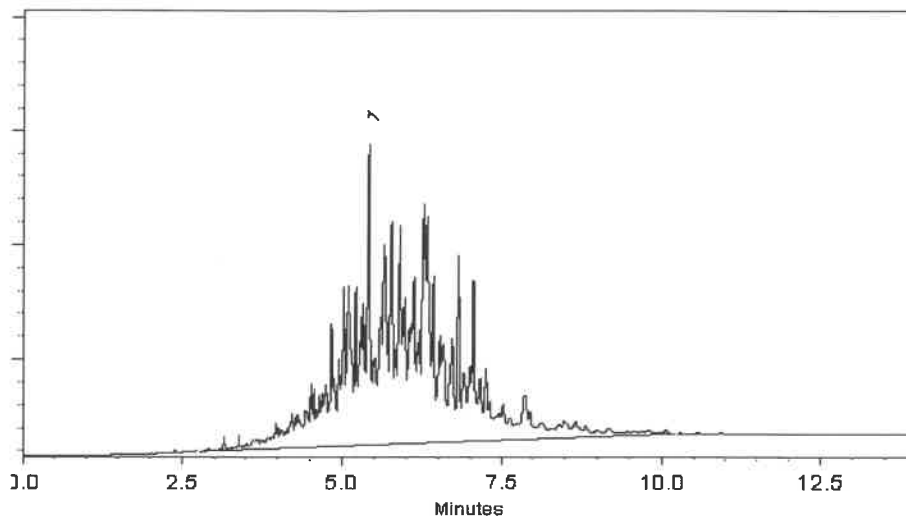
ECD

Split Vent:

300 ml/min.

Inj. Vol

0.2µl



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.


Dakota Parson - Operations Technician I

Date Mixed: 10-Oct-2023

Balance Serial # 1128353505


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 16-Oct-2023

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

P13358
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P13369
↓
(12)


05-06-2024



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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. : 32453 **Lot No.:** A0194530

Description : SOM01.1 Pesticide Surrogate Standard
Pesticide Surrogate Mix 100-200µg/mL, Acetone, 1mL/ampul

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

Expiration Date : May 31, 2029 **Storage:** 0°C or colder

Handling: Contains PCBs - sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4,5,6-Tetrachloro-m-xylene	877-09-8	RP220407	99%	100.6 µg/mL	+/- 5.5961
2	Decachlorobiphenyl (BZ# 209)	2051-24-3	30679	99%	201.3 µg/mL	+/- 11.1978

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

Solvent: Acetone
CAS # 67-64-1
Purity 99%

P 13382 } (5)
↓
P 13386

[Signature]
05/01/2024

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:

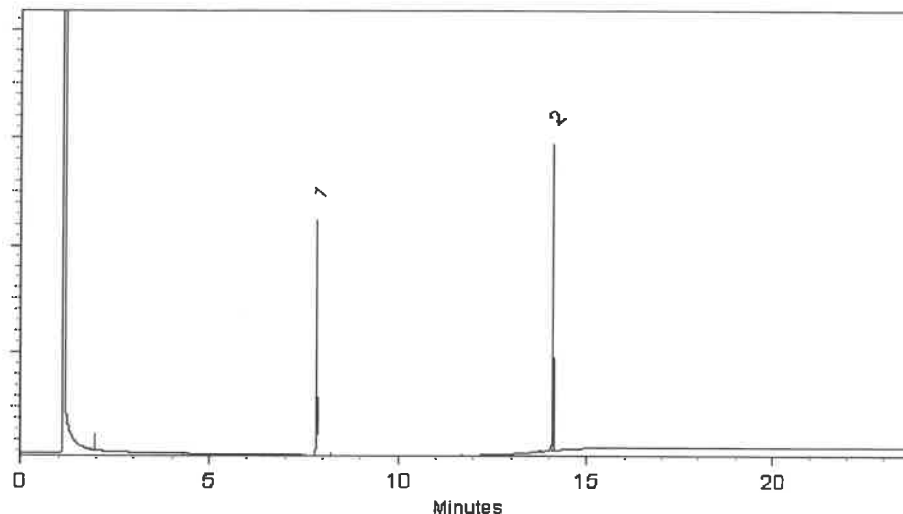
FID

Split Vent:

10 ml/min.

Inj. Vol

1µl

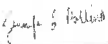


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Jess Hoy - Operations Tech I

Date Mixed: 09-Feb-2023

Balance Serial # 1128353505


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 15-Feb-2023

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

P13382 } (5)
↓
P13386 }


05/01/2024



CERTIFIED REFERENCE MATERIAL

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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. : 32003 **Lot No.:** A0176384

Description : Pesticide Standard Mix A (3/90)

Standard Mix A 3/90 SOW 8-80µg/mL, Hexane/Toluene (90:10), 1mL/ampul

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

Expiration Date : September 30, 2025 **Storage:** 10°C or colder

Handling: Contains PCBs - sonicate prior to use. **Ship:** Ambient

P 11945
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P 11946
②
UR
06/24/2022

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	2,4,5,6-Tetrachloro-m-xylene CAS # 877-09-8 (Lot 0052481) Purity 98%	8.0 µg/mL	+/- 0.1442 +/- 0.3878 +/- 0.5417	µg/mL Gravimetric µg/mL Unstressed µg/mL Stressed
2	alpha-BHC CAS # 319-84-6 (Lot 3324600) Purity 99%	8.0 µg/mL	+/- 0.1447 +/- 0.3892 +/- 0.5436	µg/mL Gravimetric µg/mL Unstressed µg/mL Stressed
3	gamma-BHC (Lindane) CAS # 58-89-9 (Lot 11837800) Purity 98%	8.0 µg/mL	+/- 0.1442 +/- 0.3878 +/- 0.5417	µg/mL Gravimetric µg/mL Unstressed µg/mL Stressed
4	Heptachlor CAS # 76-44-8 (Lot 0006617486) Purity 99%	8.0 µg/mL	+/- 0.1447 +/- 0.3892 +/- 0.5436	µg/mL Gravimetric µg/mL Unstressed µg/mL Stressed
5	Endosulfan I CAS # 959-98-8 (Lot BCBS8631) Purity 99%	8.0 µg/mL	+/- 0.1447 +/- 0.3892 +/- 0.5436	µg/mL Gravimetric µg/mL Unstressed µg/mL Stressed
6	Dieldrin CAS # 60-57-1 (Lot 12074700) Purity 97%	16.0 µg/mL	+/- 0.2889 +/- 0.7772 +/- 1.0854	µg/mL Gravimetric µg/mL Unstressed µg/mL Stressed
7	Endrin CAS # 72-20-8 (Lot 11773800) Purity 98%	16.0 µg/mL	+/- 0.2895 +/- 0.7788 +/- 1.0877	µg/mL Gravimetric µg/mL Unstressed µg/mL Stressed

8	4,4'-DDD			16.0	µg/mL	+/-	0.2894	µg/mL	Gravimetric
	CAS #	72-54-8	(Lot HAN02)			+/-	0.7785	µg/mL	Unstressed
	Purity	99%				+/-	1.0873	µg/mL	Stressed
9	4,4'-DDT			16.0	µg/mL	+/-	0.2895	µg/mL	Gravimetric
	CAS #	50-29-3	(Lot 210823JLM)			+/-	0.7788	µg/mL	Unstressed
	Purity	98%				+/-	1.0877	µg/mL	Stressed
10	Methoxychlor			80.0	µg/mL	+/-	1.4132	µg/mL	Gravimetric
	CAS #	72-43-5	(Lot 12325400)			+/-	3.8798	µg/mL	Unstressed
	Purity	97%				+/-	5.4271	µg/mL	Stressed
11	Decachlorobiphenyl (BZ# 209)			16.0	µg/mL	+/-	0.2894	µg/mL	Gravimetric
	CAS #	2051-24-3	(Lot 30638)			+/-	0.7785	µg/mL	Unstressed
	Purity	99%				+/-	1.0873	µg/mL	Stressed
Solvent: Hexane/Toluene (90:10)									
	CAS #	110-54-3/108-88-3							
	Purity	99%							

P 11945 } (2)
↓
P 11946
↑
MR
06/24/2022

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

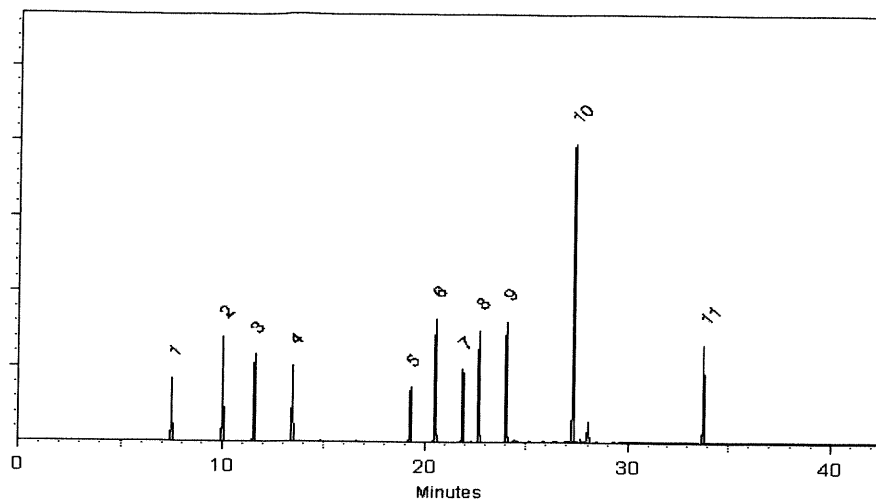
Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
150°C to 300°C
@ 4°C/min. (hold 5 min.)

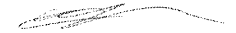
Inj. Temp:
200°C

Det. Temp:
300°C

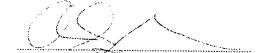
Det. Type:
ECD



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Erik Strommer - Operations Tech I

Date Mixed: 14-Sep-2021 Balance: 1128353505


Amanda Miller - Operations Tech-ARM QC

Date Passed: 17-Sep-2021

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

P11945
↓
P11946
②
06/24/2022

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

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- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k \sqrt{U_{gravimetric}^2 + U_{homogeneity}^2 + U_{storage\ stability}^2 + U_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

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- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.



SHIPPING DOCUMENTS

CHEMTECH

CHAIN OF CUSTODY RECORD

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

www.chemtech.net

Chemtech Project Number

COC Number

Q1328

CLIENT INFORMATION

PROJECT INFORMATION

BILLING INFORMATION

Report to be sent to:
COMPANY: Chemtech
ADDRESS: 284 Sheffield Street
CITY: Mountainside STATE: NJ ZIP: 08816
ATTENTION: QA Officer
PHONE: (908) 789-8900 FAX: (908) 789-8922

PROJECT NAME: Weekly Sample Blanks
PROJECT #: LOCATION: NJ
PROJECT MANAGER:
E-MAIL:
PHONE: FAX:

BILL TO: Same
ADDRESS:
CITY: STATE: ZIP:
ATTENTION:
PHONE:

DATA TURNAROUND INFORMATION

DATA DELIVERABLE INFORMATION

ANALYSIS

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

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

1 VOC: 8 in 10 min
2 SVOC: 8 in 10 min
3 Particulate: 10 min
4 PCB
5
6
7
8
9

CHEMTECH
SAMPLE
ID

PROJECT
SAMPLE IDENTIFICATION

SAMPLE
MATRIX

SAMPLE
TYPE

SAMPLE
COLLECTION

of Bottles

PRESERVATIVES

COMMENTS

1. Storage-Blank-SOTL-REF-6

AQ

X

2

X

2. Storage-Blank-WATER-REF-5

AQ

X

2

X

3. Storage-Blank-WATER-REF-4

AQ

X

2

X

4. Storage-Blank-SAMPLE-MANAGEMENT

AQ

X

2

X

5. SVOC-GPC-BLANK

SO

X

1

X

6. PEST-GPC-BLANK

SO

X

1

X

7. PEST-GPC-BLANK-SPIKE

SO

X

1

X

8. PCB-GPC-BLANK

SO

X

1

X

9. PCB-GPC-BLANK-SPIKE

SO

X

1

X

10. SVOC-GPC2-BLANK

SO

X

1

X

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

RELINQUISHED BY SAMPLER

DATE/TIME

RECEIVED BY

1. Sam

02/17/15

1.

RELINQUISHED BY

DATE/TIME

RECEIVED BY

2.

DATE/TIME

RECEIVED BY

RELINQUISHED BY

DATE/TIME

RECEIVED FOR LAB BY

3.

DATE/TIME

RECEIVED FOR LAB BY

3.

Page 1 of 2

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

Shipment Complete
☒ YES ☐ NO

10/2018

WHITE - CHEMTECH COPY FOR RETURN TO CLIENT

YELLOW - CHEMTECH COPY

PINK - SAMPLER COPY



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Laboratory Certification

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