

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:	P5394	OrderDate:	12/27/2024 12:09:00 PM
Client:	Chemtech Consulting Group	Project:	Weekly Storage Blanks
Contact:	QA Officer	Location:	N31,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P5394-11	PEST-GPC2-BLANK	SOIL	Pesticide-TCL	SFAM_PEST	12/20/24	12/30/24	01/02/25	12/27/24
P5394-12	PEST-GPC2-BLANK-SP IKE	SOIL	Pesticide-TCL	SFAM_PEST	12/20/24	12/30/24	01/02/25	12/27/24
P5394-13	PCB-GPC2-BLANK	SOIL	PCB	SFAM_PCB	12/20/24	12/30/24	12/31/24	12/27/24
P5394-14	PCB-GPC2-BLANK-SPI KE	SOIL	PCB	SFAM_PCB	12/20/24	12/30/24	12/31/24	12/27/24

Hit Summary Sheet
SW-846

SDG No.: P5394

Order ID: P5394

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								
P5394-12	PEST-GPC2-BLANK· SOIL		gamma-BHC (Lindane)	20.0		0.48	5.10	ug/kg
P5394-12	PEST-GPC2-BLANK· SOIL		Heptachlor	19.0		0.57	5.10	ug/kg
P5394-12	PEST-GPC2-BLANK· SOIL		Aldrin	19.0		0.39	5.10	ug/kg
P5394-12	PEST-GPC2-BLANK· SOIL		Dieldrin	39.0		0.45	9.90	ug/kg
P5394-12	PEST-GPC2-BLANK· SOIL		Endrin	38.0		0.63	9.90	ug/kg
P5394-12	PEST-GPC2-BLANK· SOIL		4,4-DDT	36.0		0.63	9.90	ug/kg
Total Concentration:				171.000				



QC SUMMARY

Surrogate Summary

SDG No.: P5394

Client: Chemtech Consulting Group

Analytical Method: SFAM_PEST

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits	
								Low	High
P5394-11	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
P5394-12	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

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

Lab Name: CHEMTECH

Contract: CHEM02

Lab Code: CHEM Case No.: P5394

SAS No.: P5394 SDG NO.: P5394

Lab Sample ID: _____

Lab File ID: _____

Matrix: (soil/water) _____

Extraction: (Type) _____

Sulfur Cleanup: (Y/N) _____

Date Extracted: _____

Date Analyzed (1): _____

Date Analyzed (2): _____

Time Analyzed (1): _____

Time Analyzed (2): _____

Instrument ID (1): _____

Instrument ID (2): _____

GC Column (1): _____ ID: _____ (mm)

GC Column (2): _____ ID: _____ (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED 1	DATE ANALYZED 2

COMMENTS: _____



SAMPLE DATA

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	12/20/24
Project:	Weekly Storage Blanks	Date Received:	12/27/24
Client Sample ID:	PEST-GPC2-BLANK	SDG No.:	P5394
Lab Sample ID:	P5394-11	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
PD087367.D	1	12/30/24 10:56	01/02/25 10:12	PB165916

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:	12/20/24
Project:	Weekly Storage Blanks	Date Received:	12/27/24
Client Sample ID:	PEST-GPC2-BLANK	SDG No.:	P5394
Lab Sample ID:	P5394-11	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
PD087367.D	1	12/30/24 10:56	01/02/25 10:12	PB165916

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
------------	-----------	-------	-----------	-----	------------	-------

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\PD010225\
Data File : PD087367.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 Jan 2025 10:12
Operator : AR\AJ
Sample : P5394-11
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PEST-GPC2-BLANK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 02 21:57:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD122024CLP.M
Quant Title : GC Extractables
QLast Update : Fri Dec 20 23:32:53 2024
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds

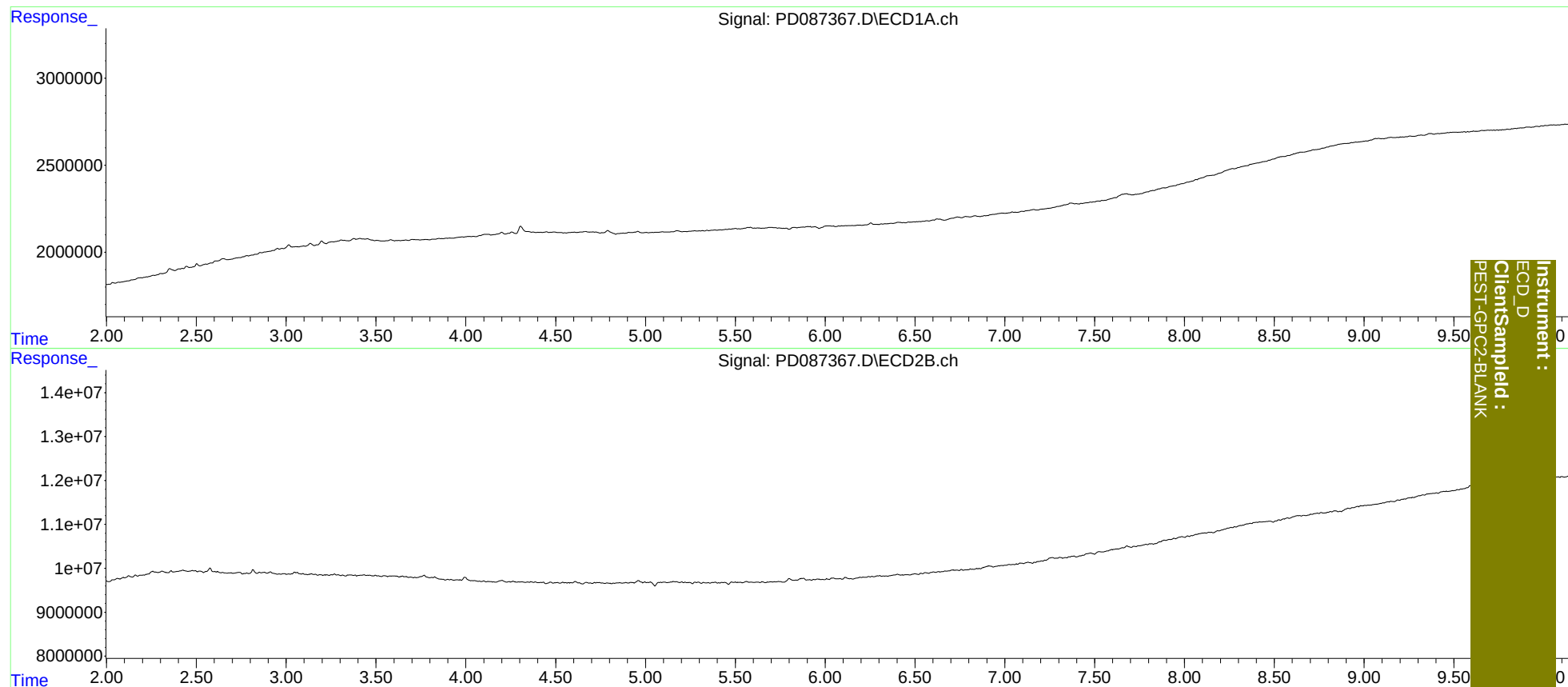
Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD010225\
Data File : PD087367.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 Jan 2025 10:12
Operator : AR\AJ
Sample : P5394-11
Misc :
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 02 21:57:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD122024CLP.M
Quant Title : GC Extractables
QLast Update : Fri Dec 20 23:32:53 2024
Response via : Initial Calibration
Integrator: ChemStation

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



Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	12/20/24
Project:	Weekly Storage Blanks	Date Received:	12/27/24
Client Sample ID:	PEST-GPC2-BLANK-SPIKE	SDG No.:	P5394
Lab Sample ID:	P5394-12	Matrix:	SOIL
Analytical Method:	SFAM_PEST	% Solid:	100
Sample Wt/Vol:	10 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	2.0	PH :	
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD087368.D	1	12/30/24 10:56	01/02/25 10:26	PB165916

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)	20.0		0.48	5.10	ug/kg
76-44-8	Heptachlor	19.0		0.57	5.10	ug/kg
309-00-2	Aldrin	19.0		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	39.0		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	38.0		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	36.0		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:	12/20/24
Project:	Weekly Storage Blanks	Date Received:	12/27/24
Client Sample ID:	PEST-GPC2-BLANK-SPIKE	SDG No.:	P5394
Lab Sample ID:	P5394-12	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
PD087368.D	1	12/30/24 10:56	01/02/25 10:26	PB165916

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
------------	-----------	-------	-----------	-----	------------	-------

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\PD010225\
 Data File : PD087368.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 02 Jan 2025 10:26
 Operator : AR\AJ
 Sample : P5394-12
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 01/03/2025
 Supervised By : Ankita Jodhani 01/03/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jan 02 21:57:42 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD122024CLP.M
 Quant Title : GC Extractables
 QLast Update : Fri Dec 20 23:32:53 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds

Target Compounds

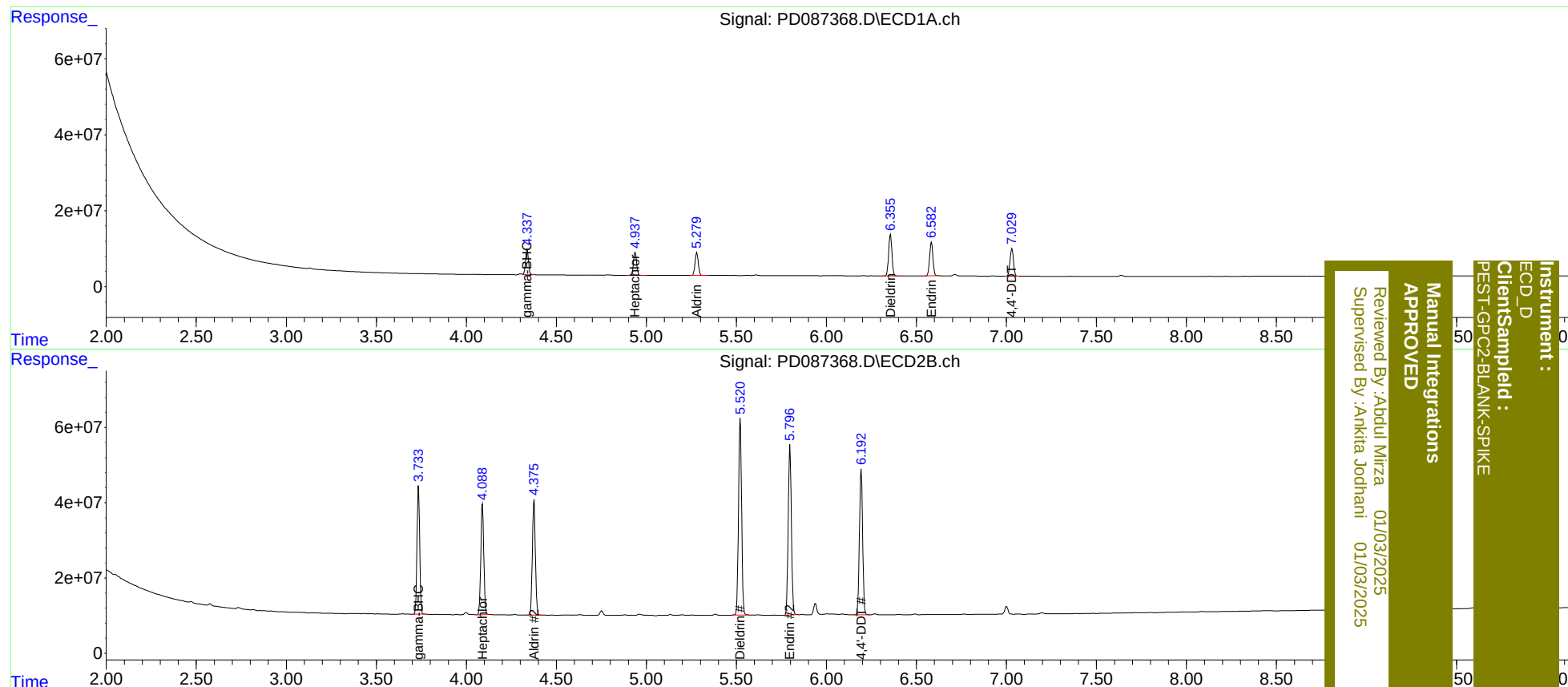
3) MA	gamma-BHC...	4.337	3.734	76477196	357.5E6	19.581m	21.131
4) MA	Heptachlor	4.938	4.089	73655993	338.4E6	18.560	19.574
5) MB	Aldrin	5.280	4.376	75303193	357.4E6	19.331	21.356
13) MA	Dieldrin	6.356	5.521	139.8E6	627.0E6	38.648	40.958
14) MA	Endrin	6.583	5.798	112.5E6	544.3E6	37.657	38.962
17) MA	4,4'-DDT	7.031	6.193	96039584	479.9E6	35.823	38.067

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD010225\
Data File : PD087368.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 Jan 2025 10:26
Operator : AR\AJ
Sample : P5394-12
Misc :
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 02 21:57:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD122024CLP.M
Quant Title : GC Extractables
QLast Update : Fri Dec 20 23:32:53 2024
Response via : Initial Calibration
Integrator: ChemStation

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



Reviewed By: Abdul Mirza 01/03/2025
Supervised By: Ankita Jodhani 01/03/2025

Manual Integrations
APPROVED

Instrument :
ECD_D
Client Sample :
PEST-GPC2-BLANK-SPIKE

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD010225\
Data File : PD087368.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 Jan 2025 10:26
Operator : AR\AJ
Sample : P5394-12
Misc :
ALS Vial : 5 Sample Multiplier: 1

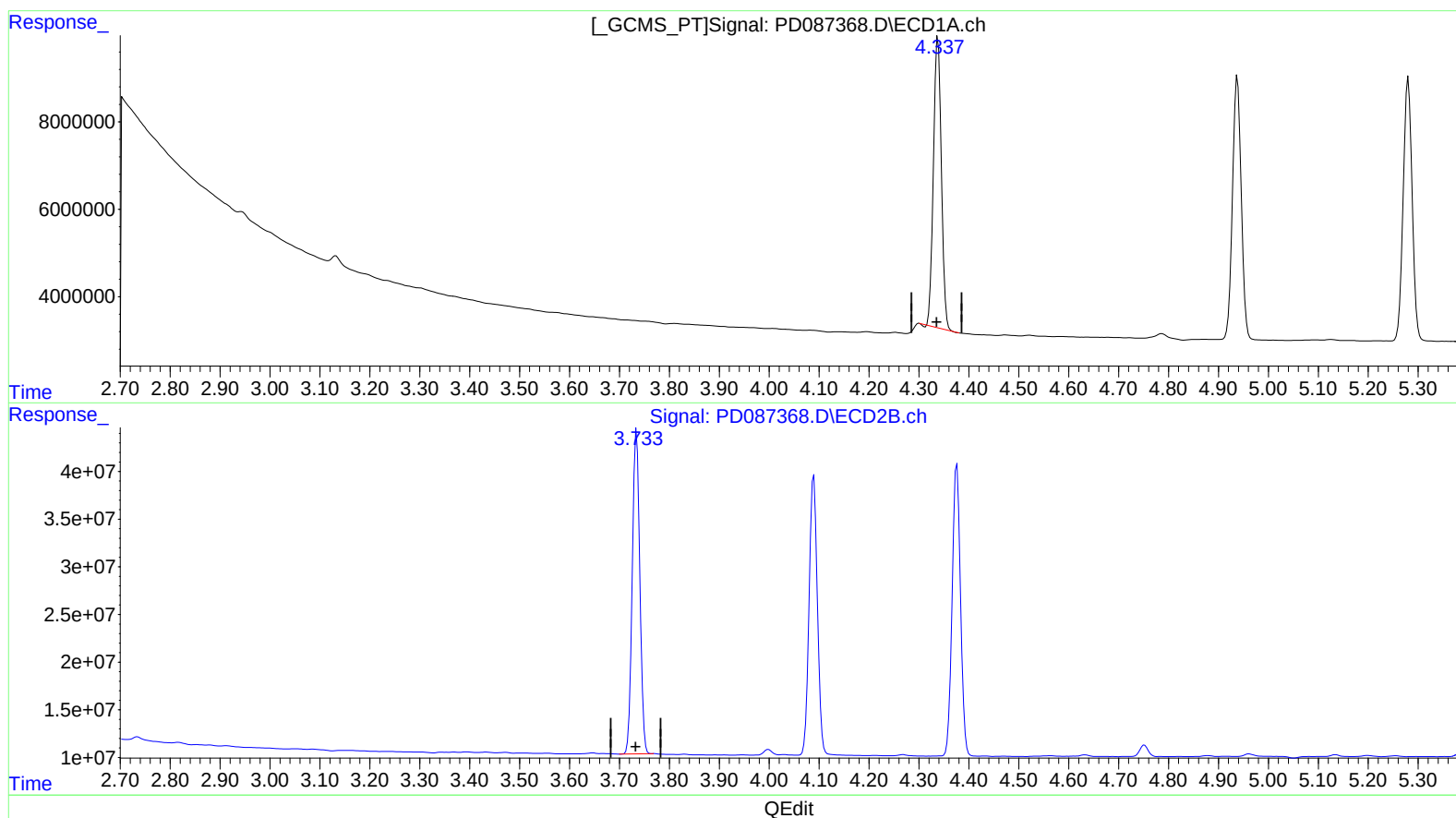
Instrument :
ECD_D
ClientSampleId :
PEST-GPC2-BLANK-SPIKE

Manual IntegrationsAPPROVED

Reviewed By :Abdul Mirza 01/03/2025
Supervised By :Ankita Jodhani 01/03/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 02 21:57:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD122024CLP.M
Quant Title : GC Extractables
QLast Update : Fri Dec 20 23:32:53 2024
Response via : Initial Calibration
Integrator: ChemStation

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



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

4.338min 18.689 ng/ml

response 72992949

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

3.734min 21.131 ng/ml

response 357513201

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD010225\
Data File : PD087368.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 Jan 2025 10:26
Operator : AR\AJ
Sample : P5394-12
Misc :
ALS Vial : 5 Sample Multiplier: 1

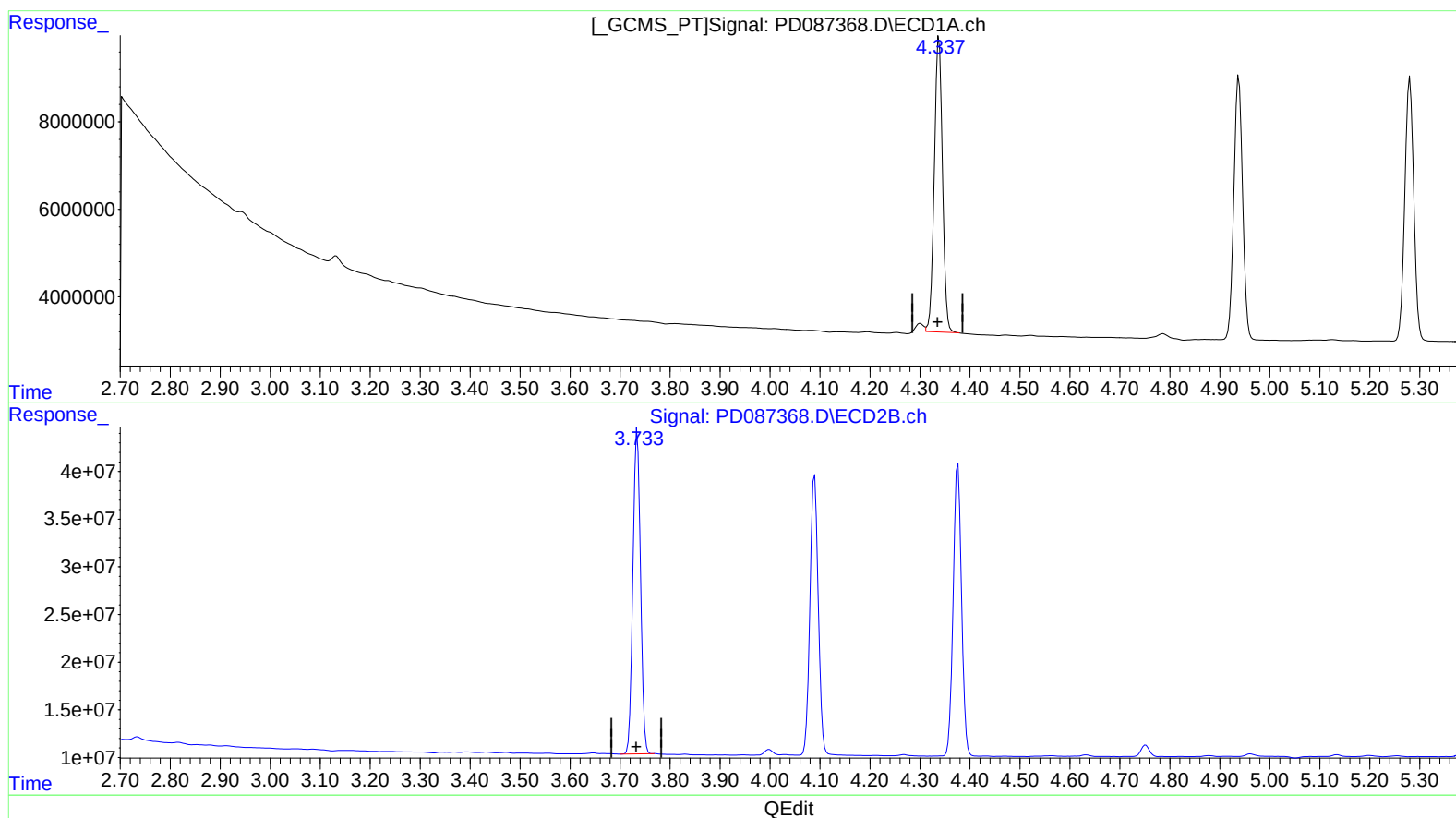
Instrument :
ECD_D
ClientSampleId :
PEST-GPC2-BLANK-SPIKE

Manual IntegrationsAPPROVED

Reviewed By :Abdul Mirza 01/03/2025
Supervised By :Ankita Jodhani 01/03/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 02 21:57:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD122024CLP.M
Quant Title : GC Extractables
QLast Update : Fri Dec 20 23:32:53 2024
Response via : Initial Calibration
Integrator: ChemStation

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



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

4.337min 19.581 ng/ml m

response 76477196

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

3.734min 21.131 ng/ml

response 357513201



CALIBRATION SUMMARY

Analytical Sequence

Client: Chemtech Consulting Group

SDG No.: P5394

Project: Weekly Storage Blanks

Instrument ID: ECD_D

GC Column: ZB-MR1

ID: 0.32 (mm)

Inst. Calib. Date(s): 12/19/2024 12/19/2024

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

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
PEST-GPC2-BLANK	P5394-11	01/02/2025	10:12	PD087367.D	0.00	0.00
PEST-GPC2-BLANK-SPIKE	P5394-12	01/02/2025	10:26	PD087368.D	0.00	0.00

Analytical Sequence

Client: Chemtech Consulting Group

SDG No.: P5394

Project: Weekly Storage Blanks

Instrument ID: ECD_D

GC Column: ZB-MR2

ID: 0.32 (mm)

Inst. Calib. Date(s): 12/19/2024 12/19/2024

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

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
PEST-GPC2-BLANK	P5394-11	01/02/2025	10:12	PD087367.D	0.00	0.00
PEST-GPC2-BLANK-SPIKE	P5394-12	01/02/2025	10:26	PD087368.D	0.00	0.00



QC SAMPLE DATA



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

Manual Integration Report

Sequence:

PD122024

Instrument

ECD_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM024	PD087205.D	gamma-BHC (Lindane) #2	Abdul	12/23/2024 2:55:08 PM	mohammad	12/25/2024 4:05:22	Peak Integrated by Software
PEM025	PD087222.D	gamma-BHC (Lindane) #2	Abdul	12/23/2024 2:55:12 PM	mohammad	12/25/2024 4:05:28	Peak Integrated by Software

Manual Integration Report

Sequence:	pd010225	Instrument	ECD_d
-----------	----------	------------	-------

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM037	PD087366.D	4,4"-DDE	Abdul	1/3/2025 8:15:35 AM	Ankita	1/3/2025 8:40:41	Peak Integrated by Software
PEM037	PD087366.D	4,4"-DDE #2	Abdul	1/3/2025 8:15:35 AM	Ankita	1/3/2025 8:40:41	Peak Integrated by Software
PEM037	PD087366.D	beta-BHC #2	Abdul	1/3/2025 8:15:35 AM	Ankita	1/3/2025 8:40:41	Peak Integrated by Software
P5394-12	PD087368.D	gamma-BHC (Lindane)	Abdul	1/3/2025 8:15:41 AM	Ankita	1/3/2025 8:40:43	Peak Integrated by Software
INDB346	PD087371.D	cis-Chlordane	Abdul	1/3/2025 8:15:45 AM	Ankita	1/3/2025 8:40:44	Peak Integrated by Software
INDB346	PD087371.D	cis-Chlordane #2	Abdul	1/3/2025 8:15:45 AM	Ankita	1/3/2025 8:40:44	Peak Integrated by Software

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD122024

Review By	Abdul	Review On	12/20/2024 9:21:23 AM
Supervise By	mohammad	Supervise On	12/25/2024 4:05:44 AM
SubDirectory	PD122024	HP Acquire Method	HP Processing Method PD122024clp
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	PD087203.D	19 Dec 2024 17:12	AR\AJ	Ok
2	RESC054	PD087204.D	19 Dec 2024 17:32	AR\AJ	Ok
3	PEM024	PD087205.D	19 Dec 2024 17:45	AR\AJ	Ok,M
4	TOXAPH101	PD087206.D	19 Dec 2024 18:00	AR\AJ	Ok
5	TOXAPH201	PD087207.D	19 Dec 2024 18:14	AR\AJ	Ok
6	TOXAPH301	PD087208.D	19 Dec 2024 18:28	AR\AJ	Ok
7	TOXAPH401	PD087209.D	19 Dec 2024 18:42	AR\AJ	Ok
8	TOXAPH501	PD087210.D	19 Dec 2024 18:56	AR\AJ	Ok
9	INDA101	PD087211.D	19 Dec 2024 19:10	AR\AJ	Ok
10	INDB101	PD087212.D	19 Dec 2024 19:24	AR\AJ	Ok
11	INDA201	PD087213.D	19 Dec 2024 19:38	AR\AJ	Ok
12	INDB201	PD087214.D	19 Dec 2024 19:52	AR\AJ	Ok
13	INDA301	PD087215.D	19 Dec 2024 20:06	AR\AJ	Ok
14	INDB301	PD087216.D	19 Dec 2024 20:20	AR\AJ	Ok
15	INDA401	PD087217.D	19 Dec 2024 20:34	AR\AJ	Ok
16	INDB401	PD087218.D	19 Dec 2024 20:48	AR\AJ	Ok
17	INDA501	PD087219.D	19 Dec 2024 21:02	AR\AJ	Ok
18	INDB501	PD087220.D	19 Dec 2024 21:16	AR\AJ	Ok
19	PIBLK068	PD087221.D	19 Dec 2024 21:30	AR\AJ	Ok
20	PEM025	PD087222.D	19 Dec 2024 21:44	AR\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD010225

Review By	Abdul	Review On	1/3/2025 8:16:04 AM
Supervise By	Ankita	Supervise On	1/3/2025 8:40:50 AM
SubDirectory	PD010225	HP Acquire Method	HP Processing Method pd122024clp
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	PD087364.D	02 Jan 2025 09:20	AR\AJ	Ok
2	PIBLK085	PD087365.D	02 Jan 2025 09:35	AR\AJ	Ok
3	PEM037	PD087366.D	02 Jan 2025 09:49	AR\AJ	Ok,M
4	P5394-11	PD087367.D	02 Jan 2025 10:12	AR\AJ	Ok
5	P5394-12	PD087368.D	02 Jan 2025 10:26	AR\AJ	Ok,M
6	PIBLK086	PD087369.D	02 Jan 2025 11:07	AR\AJ	Ok
7	INDA346	PD087370.D	02 Jan 2025 11:21	AR\AJ	Ok
8	INDB346	PD087371.D	02 Jan 2025 11:37	AR\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD122024

Review By	Abdul	Review On	12/20/2024 9:21:23 AM
Supervise By	mohammad	Supervise On	12/25/2024 4:05:44 AM
SubDirectory	PD122024	HP Acquire Method	HP Processing Method PD122024clp
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	PD087203.D	19 Dec 2024 17:12		AR\AJ	Ok
2	RESC054	RESC009	PD087204.D	19 Dec 2024 17:32		AR\AJ	Ok
3	PEM024	PEM011	PD087205.D	19 Dec 2024 17:45		AR\AJ	Ok,M
4	TOXAPH101	TOXAPH1020	PD087206.D	19 Dec 2024 18:00		AR\AJ	Ok
5	TOXAPH201	TOXAPH2021	PD087207.D	19 Dec 2024 18:14		AR\AJ	Ok
6	TOXAPH301	TOXAPH3022	PD087208.D	19 Dec 2024 18:28		AR\AJ	Ok
7	TOXAPH401	TOXAPH4023	PD087209.D	19 Dec 2024 18:42		AR\AJ	Ok
8	TOXAPH501	TOXAPH5024	PD087210.D	19 Dec 2024 18:56		AR\AJ	Ok
9	INDA101	INDA1025	PD087211.D	19 Dec 2024 19:10		AR\AJ	Ok
10	INDB101	INDB1026	PD087212.D	19 Dec 2024 19:24		AR\AJ	Ok
11	INDA201	INDA2027	PD087213.D	19 Dec 2024 19:38		AR\AJ	Ok
12	INDB201	INDB2028	PD087214.D	19 Dec 2024 19:52		AR\AJ	Ok
13	INDA301	INDA3029	PD087215.D	19 Dec 2024 20:06		AR\AJ	Ok
14	INDB301	INDB3030	PD087216.D	19 Dec 2024 20:20		AR\AJ	Ok
15	INDA401	INDA4031	PD087217.D	19 Dec 2024 20:34		AR\AJ	Ok
16	INDB401	INDB4032	PD087218.D	19 Dec 2024 20:48		AR\AJ	Ok
17	INDA501	INDA5033	PD087219.D	19 Dec 2024 21:02		AR\AJ	Ok
18	INDB501	INDB5034	PD087220.D	19 Dec 2024 21:16		AR\AJ	Ok

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD122024

Review By	Abdul	Review On	12/20/2024 9:21:23 AM
Supervise By	mohammad	Supervise On	12/25/2024 4:05:44 AM
SubDirectory	PD122024	HP Acquire Method	HP Processing Method PD122024clp

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	PIBLK068	PIBLK430	PD087221.D	19 Dec 2024 21:30		AR\AJ	Ok
20	PEM025	PEM012	PD087222.D	19 Dec 2024 21:44		AR\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD010225

Review By	Abdul	Review On	1/3/2025 8:16:04 AM
Supervise By	Ankita	Supervise On	1/3/2025 8:40:50 AM
SubDirectory	PD010225	HP Acquire Method	HP Processing Method pd122024clp

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	PD087364.D	02 Jan 2025 09:20		AR\AJ	Ok
2	PIBLK085	PIBLK448	PD087365.D	02 Jan 2025 09:35		AR\AJ	Ok
3	PEM037	PEM026	PD087366.D	02 Jan 2025 09:49		AR\AJ	Ok,M
4	P5394-11	PEST-GPC2-BLANK	PD087367.D	02 Jan 2025 10:12		AR\AJ	Ok
5	P5394-12	PEST-GPC2-BLANK-S	PD087368.D	02 Jan 2025 10:26		AR\AJ	Ok,M
6	PIBLK086	PIBLK449	PD087369.D	02 Jan 2025 11:07		AR\AJ	Ok
7	INDA346	INDA3197	PD087370.D	02 Jan 2025 11:21		AR\AJ	Ok
8	INDB346	INDB3198	PD087371.D	02 Jan 2025 11:37		AR\AJ	Ok,M

M : Manual Integration



PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 12/30/2024

OVENTEMP IN Celsius(°C): 107
Time IN: 16:30
In Date: 12/27/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:17
Out Date: 12/28/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB134111

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
P5390-01	EO-01-12272024	1	1.14	8.51	9.65	9.11	93.7	
P5390-02	EO-01-12272024-E2	2	1.13	8.63	9.76	9.00	91.2	
P5391-01	NB-07-12272024	3	1.13	8.75	9.88	8.93	89.1	
P5391-02	NB-07-12272024-E2	4	1.13	8.75	9.88	9.11	91.2	
P5394-05	SVOC-GPC-BLANK	5	1.00	1.00	2.00	2.00	100.0	
P5394-06	PEST-GPC-BLANK	6	1.00	1.00	2.00	2.00	100.0	
P5394-07	PEST-GPC-BLANK-SPIKE	7	1.00	1.00	2.00	2.00	100.0	
P5394-08	PCB-GPC2-BLANK	8	1.00	1.00	2.00	2.00	100.0	
P5394-09	PCB-GPC2-BLANK-SPIKE	9	1.00	1.00	2.00	2.00	100.0	
P5394-10	SVOC-GPC2-BLANK	10	1.00	1.00	2.00	2.00	100.0	
P5394-11	PEST-GPC2-BLANK	11	1.00	1.00	2.00	2.00	100.0	
P5394-12	PEST-GPC2-BLANK-SPIKE	12	1.00	1.00	2.00	2.00	100.0	
P5394-13	PCB-GPC2-BLANK	13	1.00	1.00	2.00	2.00	100.0	
P5394-14	PCB-GPC2-BLANK-SPIKE	14	1.00	1.00	2.00	2.00	100.0	

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

WORKLIST(Hardcopy Internal Chain)

134111

WorkList Name : %1-1227

WorkList ID : 186665

Department : Wet-Chemistry

Date : 12-27-2024 11:15:29

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P5390-01	EO-01-12272024	Solid	Percent Solids	Cool 4 deg C	PSEG05	N31	12/27/2024	Chemtech -SO
P5390-02	EO-01-12272024-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	N31	12/27/2024	Chemtech -SO
P5391-01	NB-07-12272024	Solid	Percent Solids	Cool 4 deg C	PSEG05	N31	12/27/2024	Chemtech -SO
P5391-02	NB-07-12272024-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	N31	12/27/2024	Chemtech -SO
P5394-05	SVOC-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	N31	12/20/2024	Chemtech -SO
P5394-06	PEST-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	N31	12/20/2024	Chemtech -SO
P5394-07	PEST-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	N31	12/20/2024	Chemtech -SO
P5394-08	PCB-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	N31	12/20/2024	Chemtech -SO
P5394-09	PCB-GPC2-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	N31	12/20/2024	Chemtech -SO
P5394-10	SVOC-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	N31	12/20/2024	Chemtech -SO
P5394-11	PEST-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	N31	12/20/2024	Chemtech -SO
P5394-12	PEST-GPC2-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	N31	12/20/2024	Chemtech -SO
P5394-13	PCB-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	N31	12/20/2024	Chemtech -SO
P5394-14	PCB-GPC2-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	N31	12/20/2024	Chemtech -SO

Date/Time 12/27/24 15:30

Raw Sample Received by: sh woc

Raw Sample Relinquished by: sh woc

Date/Time 12/27/24

Raw Sample Received by: sh woc

Raw Sample Relinquished by: sh woc

17:00

sh woc

sh woc

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

Clean Up SOP #: GPC Cleanup, Florisil **Extraction Start Date :** 12/30/2024

Matrix : Solid **Extraction Start Time :** 10:56

Weigh By: N/A **Extraction By:** N/A **Extraction End Date :** 12/31/2024

Balance check: RJ **Filter By:** N/A **Extraction End Time :** 09:30

Balance ID: EX-SC-2 **pH Meter ID:** N/A **Concentration By:** EH

pH Strip Lot#: N/A **Hood ID:** 3,6,7 **Supervisor By :** rajesh

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

Standard Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
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	EP2560
Baked Na2SO4	N/A	EP2573
Methylene Chloride	N/A	E3848
Hexane	N/A	E3847
Florisil	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

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
12/31/24	RP (Sat. 24)	Y-P-RESTIPCB
9:35	Preparation Group	Analysis Group

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

Concentration Date: 12/31/2024

Sample ID	Client Sample ID	Test	g / <u>ml</u>	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
P5394-11	PEST-GPC2-BLANK	Pesticide-TCL	10.0	N/A	ritesh	rajesh	5			
P5394-12	PEST-GPC2-BLANK-S PIKE	Pesticide-TCL	10.0	N/A	ritesh	rajesh	5			

* Extracts relinquished on the same date as received.

[Signature]
12/31/24

WORKLIST(Hardcopy Internal Chain)

WorkList Name : P5394

WorkList ID : 186690

Department : Extraction

Date : 12-30-2024 10:53:59

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P5394-10	SVOC-GPC2-BLANK	Solid	SVOC-Chemtech Full -25	Cool 4 deg C	CHEM02	N31	12/20/2024	SFAM_SVOC
P5394-11	PEST-GPC2-BLANK	Solid	Pesticide-TCL	Cool 4 deg C	CHEM02	N31	12/20/2024	SFAM_PEST
P5394-12	PEST-GPC2-BLANK-SPIKE	Solid	Pesticide-TCL	Cool 4 deg C	CHEM02	N31	12/20/2024	SFAM_PEST
P5394-13	PCB-GPC2-BLANK	Solid	PCB	Cool 4 deg C	CHEM02	N31	12/20/2024	SFAM_PCB
P5394-14	PCB-GPC2-BLANK-SPIKE	Solid	PCB	Cool 4 deg C	CHEM02	N31	12/20/2024	SFAM_PCB

Date/Time 12/30/24 10:54
 Raw Sample Received by: RJ Gat 1057
 Raw Sample Relinquished by: CP

Date/Time 12/30/24 11:05
 Raw Sample Received by: CP
 Raw Sample Relinquished by: RJ Gat 1057



SHIPPING DOCUMENTS



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

Laboratory Certification

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