

DATA PACKAGE GC SEMI-VOLATILES

PROJECT NAME : NJ WASTE WATER PT

ALLIANCE TECHNICAL GROUP, LLC - NEWARK

284 Sheffiled Stree

Suite 1

Mountainside, NJ - 07092

Phone No: 908-789-8900

ORDER ID : Q3015

ATTENTION : Mohammad Ahmed



Laboratory Certification ID # 20012



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Cover Page

Order ID : Q3015

Project ID : NJ Waste Water PT

Client : Alliance Technical Group, LLC - Newark

Lab Sample Number

Q3015-01
Q3015-02
Q3015-03
Q3015-04
Q3015-05
Q3015-06
Q3015-07
Q3015-08
Q3015-09
Q3015-10
Q3015-11
Q3015-12
Q3015-13
Q3015-14
Q3015-15
Q3015-16
Q3015-17
Q3015-18
Q3015-19
Q3015-20
Q3015-21
Q3015-22

Client Sample Number

WP0925-PT-VOA-WP
WP0925-PT-VOA-WP
WP0925-PT-BN-WP
WP0925-PT-BN-WP
WP0925-PT-BN-WP
WP0925-PT-ACIDS-WP
WP0925-PT-ACIDS-WP
WP0925-PT-ACIDS-WP
WP0925-PT-PEST-WP
WP0925-PT-PEST-WP
WP0925-PT-CHLR-WP
WP0925-PT-CHLR-WP
WP0925-PT-TXP-WP
WP0925-PT-TXP-WP
WP0925-PT-PCBW-WP
WP0925-PT-PCBW-WP
WP0925-PT-HERB-WP
WP0925-RR-GAS-WP
WP0925-RR-DIES-WP
WP0925-RR-8011-WP
WP0925-RR-PAH-WP
WP0925-RR-TRIAZINE-WP

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : _____

Date: 10/10/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

CASE NARRATIVE

Alliance Technical Group, LLC - Newark

Project Name: NJ Waste Water PT

Project # N/A

Order ID # Q3015

Test Name: VOCGC Group 1

A. Number of Samples and Date of Receipt:

1 Water sample was received on 09/04/2025.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: VOCGC Group 1. This data package contains results for VOCGC Group 1.

C. Analytical Techniques:

The analyses were performed on instrument GCECD_Q. The front column is ZB-MR1 which is 30 meters, 0.32 mm ID, 0.5 um df, Catalogue # 7HM-G016-17. The rear column is ZB-MR2 which is 30 meters, 0.32 mm ID, 0.25 µm; Catalogue # 7HM-G017-11. The analysis of VOCGC Group 1s was based on method 8011 and extraction was done based on method 3510.

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Retention Times were met for all analysis.

The RPD were met for all analysis.

The Blank Spike met requirements for all compounds.

The Blank Spike Duplicate met requirements for all compounds.

The Blank analysis did not indicate the presence of lab contamination.

The Initial Calibration met the requirements.

The Continuous Calibration met the requirements.

Sample WP0925-RR-8011-WP was diluted due to high concentration.

E. Additional Comments:

F. Manual Integration Comments:

Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed



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Phone: 908 789 8900 Fax: 908 789 8922

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

Signature_____

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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



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GC ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY

ORDER ID: Q3015

MATRIX: Water

METHOD: 8011/3510

	NA	NO	YES
1. Chromatograms Labeled/Compounds Identified.			✓
2. Standard Summary Submitted.			✓
3. Calibration - Initial Calibration performed within 30 days before sample analysis and continuing calibration performed within 24 hours of sample analysis, 12 HOURS IF 8000 SERIES METHOD. The Initial Calibration met the requirements. The Continuous Calibration met the requirements.			✓
4. Blank Contamination - If yes, list compounds and concentrations in each blank:		✓	
5. Surrogate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable ranges.			✓
6. Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable range. The Blank Spike met requirements for all compounds. The Blank Spike Duplicate met requirements for all compounds. The RPD were met for all analysis.			✓
7. Retention Time Shift Meet Criteria (if applicable) Comments:			✓
8. Extraction Holding Time Met If not met, list number of days exceeded for each sample:			✓



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GC ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY (CONTINUED)

	NA	NO	YES
9. Analysis Holding Time Met			✓
If not met, list those compounds and their recoveries which fall outside the acceptable range.			

ADDITIONAL COMMENTS:

Sample WP0925-RR-8011-WP was diluted due to high concentration.

QA REVIEW

Date

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q3015

Completed

For thorough review, the report must have the following:

GENERAL:

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

✓

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

✓

Is the chain of custody signed and complete

✓

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

✓

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

✓

COVER PAGE:

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

✓

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

✓

CHAIN OF CUSTODY:

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

✓

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

✓

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

✓

Were the samples received within hold time

✓

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

✓

ANALYTICAL:

Was method requirement followed?

✓

Was client requirement followed?

✓

Does the case narrative summarize all QC failure?

✓

All runlogs and manual integration are reviewed for requirements

✓

All manual calculations and /or hand notations verified

✓

QA Review Signature: SOHIL JODHANI

Date: 10/10/2025

LAB CHRONICLE

OrderID:	Q3015	OrderDate:	9/4/2025 10:14:00 AM
Client:	Alliance Technical Group, LLC - Newark	Project:	NJ Waste Water PT
Contact:	Mohammad Ahmed	Location:	QA Office, VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3015-09	WP0925-PT-PEST-WP	WATER	PESTICIDE Group1	8081B	09/02/25	09/08/25	09/08/25	09/04/25
Q3015-09DL	WP0925-PT-PEST-WP DL	WATER	PESTICIDE Group1	8081B	09/02/25	09/08/25	09/08/25	09/04/25
Q3015-09DL 2	WP0925-PT-PEST-WP DL2	WATER	PESTICIDE Group1	8081B	09/02/25	09/08/25	09/08/25	09/04/25
Q3015-11	WP0925-PT-CHLR-WP	WATER	PESTICIDE Group2	8081B	09/02/25	09/10/25	09/10/25	09/04/25
Q3015-13	WP0925-PT-TXP-WP	WATER	PESTICIDE Group3	8081B	09/02/25	09/10/25	09/10/25	09/04/25
Q3015-13DL	WP0925-PT-TXP-WPD L	WATER	PESTICIDE Group3	8081B	09/02/25	09/10/25	09/10/25	09/04/25
Q3015-15	WP0925-PT-PCBW-W P	WATER	PCB	8082A	09/02/25	09/08/25	09/09/25	09/04/25
Q3015-17	WP0925-PT-HERB-WP	WATER	Herbicide group1	8151A	09/02/25	09/05/25	09/09/25	09/04/25
Q3015-18	WP0925-RR-GAS-WP	Water	Gasoline Range Organics	8015D	09/02/25		09/17/25	09/04/25
Q3015-19	WP0925-RR-DIES-WP	Water	Diesel Range Organics	8015D	09/02/25	09/17/25	09/18/25	09/04/25

LAB CHRONICLE

Q3015-20	WP0925-RR-8011-WP	WATER			09/02/25		09/04/25
			VOCGC Group 1	8011		10/07/25	10/07/25
Q3015-20DL	WP0925-RR-8011-WP DL	WATER			09/02/25		09/04/25
			VOCGC Group 1	8011		10/07/25	10/07/25

Hit Summary Sheet
SW-846

SDG No.: Q3015

Order ID: Q3015

Client: Alliance Technical Group, LLC - Newark

Project ID: NJ Waste Water PT

Sample ID	Client ID	Parameter	Concentration	C	MDL	RDL	Units
Client ID : WP0925-RR-8011-WP							
Q3015-20	WP0925-RR-8011-WF WATER	DBCP	0.96	E	0.010	0.025	ug/L
Q3015-20	WP0925-RR-8011-WF WATER	EDB	1.40	E	0.0077	0.025	ug/L
Total Concentration:			2.360				
Client ID : WP0925-RR-8011-WPDL							
Q3015-20DL	WP0925-RR-8011-WF WATER	DBCP	0.92	D	0.040	0.10	ug/L
Q3015-20DL	WP0925-RR-8011-WF WATER	EDB	1.40	D	0.031	0.10	ug/L
Total Concentration:			2.320				



QC SUMMARY

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3015</u>	Analytical Method:	<u>8011</u>
Client:	<u>Alliance Technical Group, LLC - Newark</u>	Datafile :	<u>PQ070957.D</u>

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB170012BS (Column 1)	DBCP	0.25	0.25	ug/L	100				70	130	
	EDB	0.25	0.25	ug/L	100				70	130	
PB170012BS (Column 2)	DBCP	0.25	0.25	ug/L	100				70	130	
	EDB	0.25	0.26	ug/L	104				70	130	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3015</u>	Analytical Method:	<u>8011</u>
Client:	<u>Alliance Technical Group, LLC - Newark</u>	Datafile :	<u>PQ070958.D</u>

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD	Low	Limits	RPD
								Qual		High	
PB170012BSD (Column 1)	DBCP	0.25	0.24	ug/L	96	4			70	130	20
	EDB	0.25	0.26	ug/L	104	4			70	130	20
PB170012BSD (Column 2)	DBCP	0.25	0.24	ug/L	96	4			70	130	20
	EDB	0.25	0.25	ug/L	100	4			70	130	20

4C

PESTICIDE METHOD BLANK SUMMARY

Client ID

PB170012BL

Lab Name: Alliance

Contract: ALLI03

Lab Code: ACE

SDG NO.: Q3015

Lab Sample ID: PB170012BL

Lab File ID: PQ070956.D

Matrix: (soil/water) WATER

Extraction: (Type) MICRO

Sulfur Cleanup: (Y/N) N

Date Extracted: 10/07/2025

Date Analyzed (1): 10/07/2025

Date Analyzed (2): 10/07/2025

Time Analyzed (1): 12:48

Time Analyzed (2): 12:48

Instrument ID (1): ECD_Q

Instrument ID (2): ECD_Q

GC Column (1): ZB-MR1 ID: 0.32 (mm)

GC Column (2): ZB-MR2 ID: 0.32 (mm)

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED 1	DATE ANALYZED 2
PB170012BS	PB170012BS	PQ070957.D	10/07/2025	10/07/2025
PB170012BSD	PB170012BSD	PQ070958.D	10/07/2025	10/07/2025
WP0925-RR-8011-WP	Q3015-20	PQ070959.D	10/07/2025	10/07/2025

COMMENTS: _____



SAMPLE DATA

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Report of Analysis

Client:	Alliance Technical Group, LLC - Newark		Date Collected:	09/02/25	
Project:	NJ Waste Water PT		Date Received:	09/04/25	
Client Sample ID:	WP0925-RR-8011-WP		SDG No.:	Q3015	
Lab Sample ID:	Q3015-20		Matrix:	WATER	
Analytical Method:	8011		% Solid:	0	Decanted:
Sample Wt/Vol:	35	Units: mL	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	VOCGC Group 1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PQ070959.D	1	10/07/25 08:30	10/07/25 13:18	PB170012

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
96-12-8	DBCP	0.96	E	0.010	0.025	ug/L
106-93-4	EDB	1.40	E	0.0077	0.025	ug/L

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_Q\Data\PQ100725\
Data File : PQ070959.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Oct 2025 13:18
Operator : YP\AJ
Sample : Q3015-20
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
WP0925-RR-8011-WP

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 07 13:27:12 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ100725-8011-504.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Oct 07 11:24:17 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB MR1 Signal #2 Phase: ZB MR2
Signal #1 Info : 30Mx0.32mmx 0.5µm Signal #2 Info : 30M x 0.32mm x 0.25µm

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

Target Compounds						
1) SA EDB	2.604	1.976	144.9E6	141.5E6	1.432	1.358
2) SA DBCP	5.952	4.984	255.9E6	269.7E6	0.958	0.925

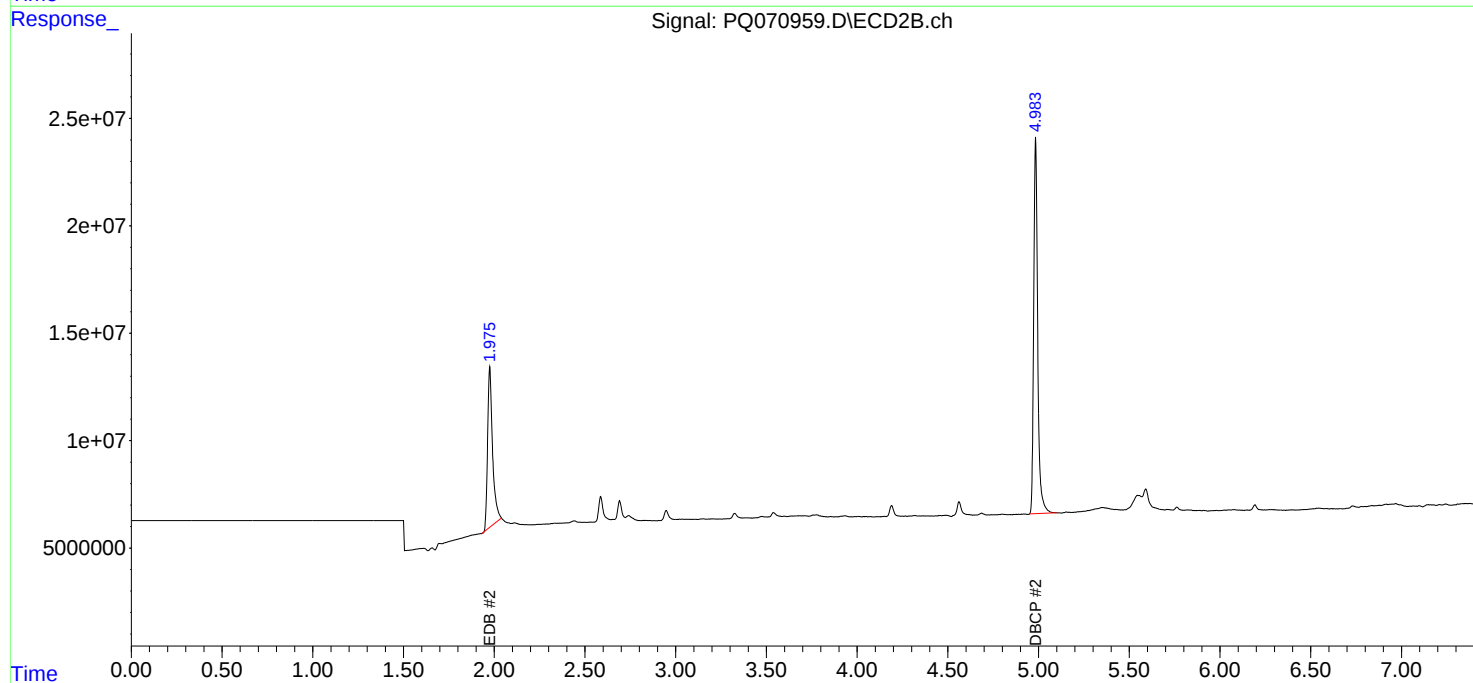
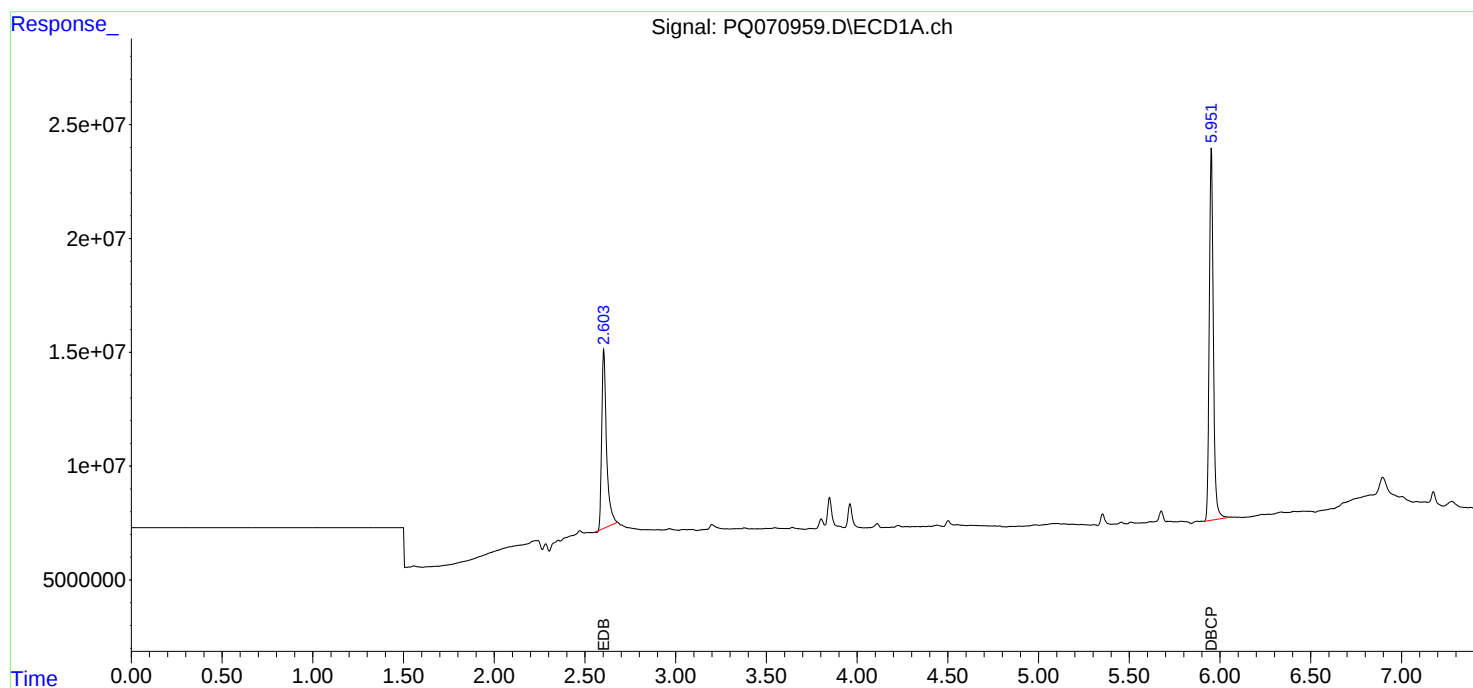
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ100725\
Data File : PQ070959.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Oct 2025 13:18
Operator : YP\AJ
Sample : Q3015-20
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
WP0925-RR-8011-WP

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 07 13:27:12 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ100725-8011-504.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Oct 07 11:24:17 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB MR1 Signal #2 Phase: ZB MR2
Signal #1 Info : 30Mx0.32mmx 0.5µm Signal #2 Info : 30M x 0.32mm x 0.25µm



Report of Analysis

Client:	Alliance Technical Group, LLC - Newark		Date Collected:	09/02/25	
Project:	NJ Waste Water PT		Date Received:	09/04/25	
Client Sample ID:	WP0925-RR-8011-WPDL		SDG No.:	Q3015	
Lab Sample ID:	Q3015-20DL		Matrix:	WATER	
Analytical Method:	8011		% Solid:	0	Decanted:
Sample Wt/Vol:	35	Units: mL	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	VOCGC Group 1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PQ070960.D	4	10/07/25 08:30	10/07/25 13:47	PB170012

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
96-12-8	DBCP	0.92	D	0.040	0.10	ug/L
106-93-4	EDB	1.40	D	0.031	0.10	ug/L

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_Q\Data\PQ100725\
Data File : PQ070960.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Oct 2025 13:47
Operator : YP\AJ
Sample : Q3015-20DL 4X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
WP0925-RR-8011-WPDL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 07 13:57:24 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ100725-8011-504.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Oct 07 11:24:17 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB MR1 Signal #2 Phase: ZB MR2
Signal #1 Info : 30Mx0.32mmx 0.5µm Signal #2 Info : 30M x 0.32mm x 0.25µm

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

Target Compounds						
1) SA EDB	2.602	1.975	35927557	36449615	0.355	0.350
2) SA DBCP	5.950	4.985	61148756	66325978	0.229	0.228

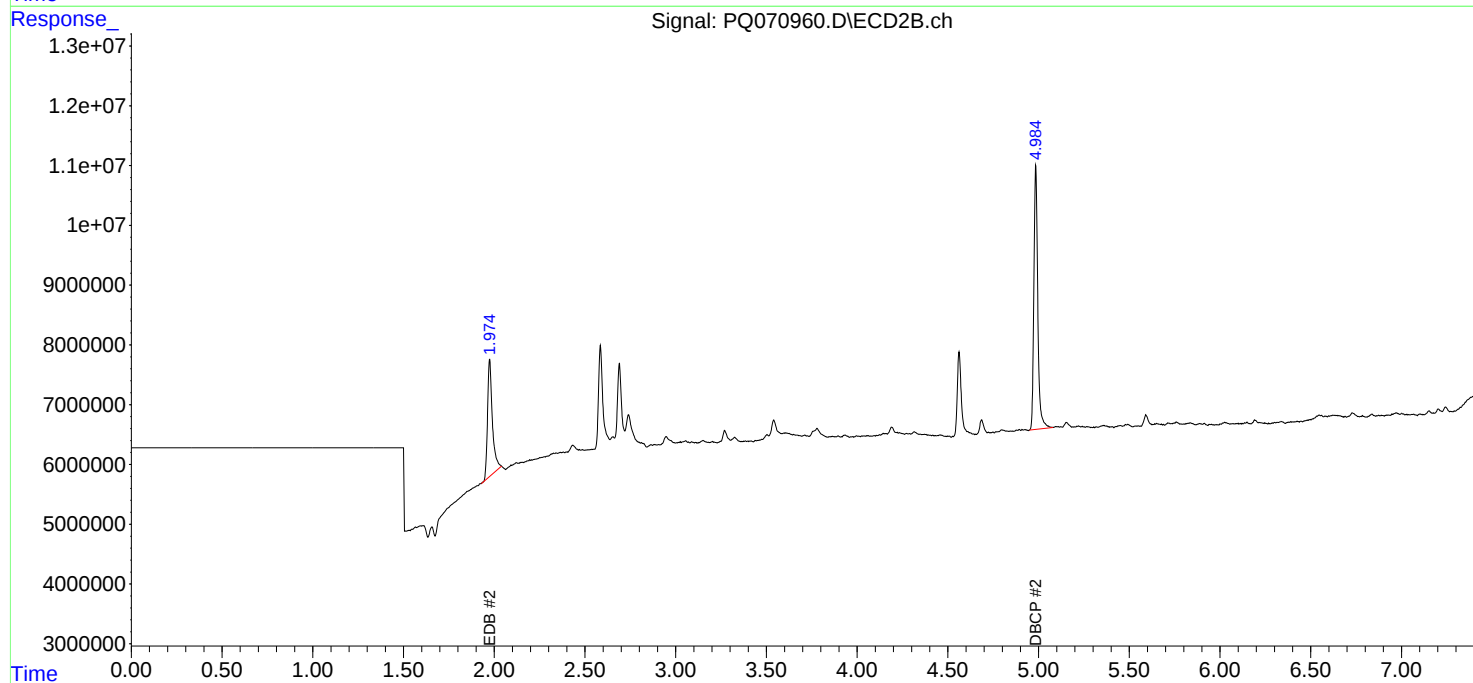
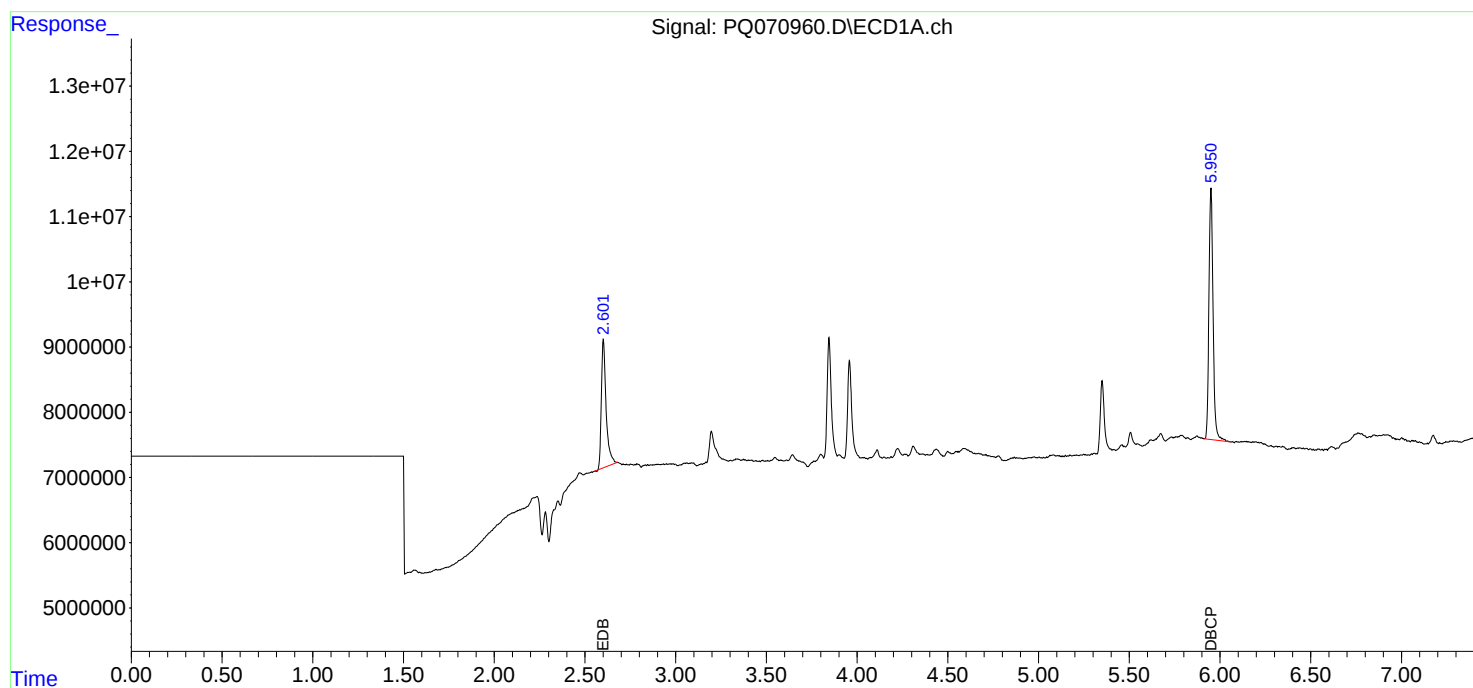
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ100725\
Data File : PQ070960.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Oct 2025 13:47
Operator : YP\AJ
Sample : Q3015-20DL 4X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
WP0925-RR-8011-WPDL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 07 13:57:24 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ100725-8011-504.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Oct 07 11:24:17 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB MR1 Signal #2 Phase: ZB MR2
Signal #1 Info : 30Mx0.32mmx 0.5µm Signal #2 Info : 30M x 0.32mm x 0.25µm





CALIBRATION SUMMARY

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- 11
- 12
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- 16
- 17
- 18

RETENTION TIMES OF INITIAL CALIBRATION

Lab Name:	<u>Alliance</u>	Contract:	<u>ALLI03</u>
Lab Code:	<u>ACE</u>	SDG NO.:	<u>Q3015</u>
Instrument ID:	<u>ECD_Q</u>	Calibration Date(s):	<u>10/07/2025</u> <u>10/07/2025</u>
		Calibration Times:	<u>08:57</u> <u>11:09</u>

 GC Column: ZB-MR1 ID: 0.32 (mm)

LAB FILE ID:	RT 0.5 = <u>PQ070947.D</u>	RT 0.25 = <u>PQ070948.D</u>
	RT 0.1 = <u>PQ070949.D</u>	RT 0.05 = <u>PQ070950.D</u>
		RT 0.025 = <u>PQ070951.D</u>

COMPOUND	RT 0.5	RT 0.25	RT 0.1	RT 0.05	RT 0.025	MEAN RT	RT WINDOW	
							FROM	TO
DBCP	5.96	5.95	5.95	5.95	5.95	5.95	5.85	6.05
EDB	2.61	2.60	2.60	2.60	2.60	2.60	2.50	2.70

RETENTION TIMES OF INITIAL CALIBRATION

Lab Name:	<u>Alliance</u>	Contract:	<u>ALLI03</u>
Lab Code:	<u>ACE</u>	SDG NO.:	<u>Q3015</u>
Instrument ID:	<u>ECD_Q</u>	Calibration Date(s):	<u>10/07/2025</u> <u>10/07/2025</u>
		Calibration Times:	<u>08:57</u> <u>11:09</u>

 GC Column: ZB-MR2 ID: 0.32 (mm)

LAB FILE ID:	RT 0.5 = <u>PQ070947.D</u>	RT 0.25 = <u>PQ070948.D</u>
RT 0.1 = <u>PQ070949.D</u>	RT 0.05 = <u>PQ070950.D</u>	RT 0.025 = <u>PQ070951.D</u>

COMPOUND	RT 0.5	RT 0.25	RT 0.1	RT 0.05	RT 0.025	MEAN RT	RT WINDOW FROM TO	
DBCP	4.98	4.98	4.98	4.98	4.98	4.98	4.88	5.08
EDB	1.97	1.97	1.98	1.97	1.98	1.97	1.87	2.07



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

CALIBRATION FACTOR OF INITIAL CALIBRATION

Lab Name: Alliance
Lab Code: ACE
Instrument ID: ECD_Q

Contract: ALLI03
SDG NO.: Q3015

Calibration Date(s): 10/07/2025 10/07/2025
Calibration Times: 08:57 11:09

GC Column: ZB-MR1 ID: 0.32 (mm)

LAB FILE ID:		CF 0.5 = <u>PQ070947.D</u>		CF 0.25 = <u>PQ070948.D</u>			
CF 0.1 = <u>PQ070949.D</u>		CF 0.05 = <u>PQ070950.D</u>		CF 0.025 = <u>PQ070951.D</u>			
COMPOUND	CF 0.5	CF 0.25	CF 0.1	CF 0.05	CF 0.025	CF	% RSD
DBCP	222270000000	281868000000	274450000000	278220000000	279426000000	267247000000	9
EDB	86215800000	108510000000	101887000000	111775000000	97848200000	101247000000	10



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

CALIBRATION FACTOR OF INITIAL CALIBRATION

Lab Name: Alliance
Lab Code: ACE
Instrument ID: ECD_Q

Contract: ALLI03
SDG NO.: Q3015

Calibration Date(s): 10/07/2025 10/07/2025
Calibration Times: 08:57 11:09

GC Column: ZB-MR2 ID: 0.32 (mm)

LAB FILE ID:		CF 0.5 = <u>PQ070947.D</u>		CF 0.25 = <u>PQ070948.D</u>			
CF 0.1 = <u>PQ070949.D</u>		CF 0.05 = <u>PQ070950.D</u>		CF 0.025 = <u>PQ070951.D</u>			
COMPOUND	CF 0.5	CF 0.25	CF 0.1	CF 0.05	CF 0.025	CF	% RSD
DBCP	240227000000	298226000000	301754000000	309057000000	308382000000	291529000000	10
EDB	88910100000	110714000000	102294000000	114762000000	104137000000	104164000000	10

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ100725\
Data File : PQ070947.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Oct 2025 08:57
Operator : YP\AJ
Sample : M8011.504.1 0.5 PPB ICC
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
M8011.504.1 0.5 PPB ICC

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/07/2025
Supervised By :mohammad ahmed 10/09/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 07 10:40:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ100725-8011-504.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Oct 07 10:39:23 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB MR1 Signal #2 Phase: ZB MR2
Signal #1 Info : 30Mx0.32mmx 0.5µm Signal #2 Info : 30M x 0.32mm x 0.25µm

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

Target Compounds						
1) SA EDB	2.607	1.972	43107915	44455057	0.423	0.435
2) SA DBCP	5.955	4.981	111.1E6	120.1E6	0.405	0.398m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ100725\
Data File : PQ070947.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Oct 2025 08:57
Operator : YP\AJ
Sample : M8011.504.1 0.5 PPB ICC
Misc :
ALS Vial : 2 Sample Multiplier: 1

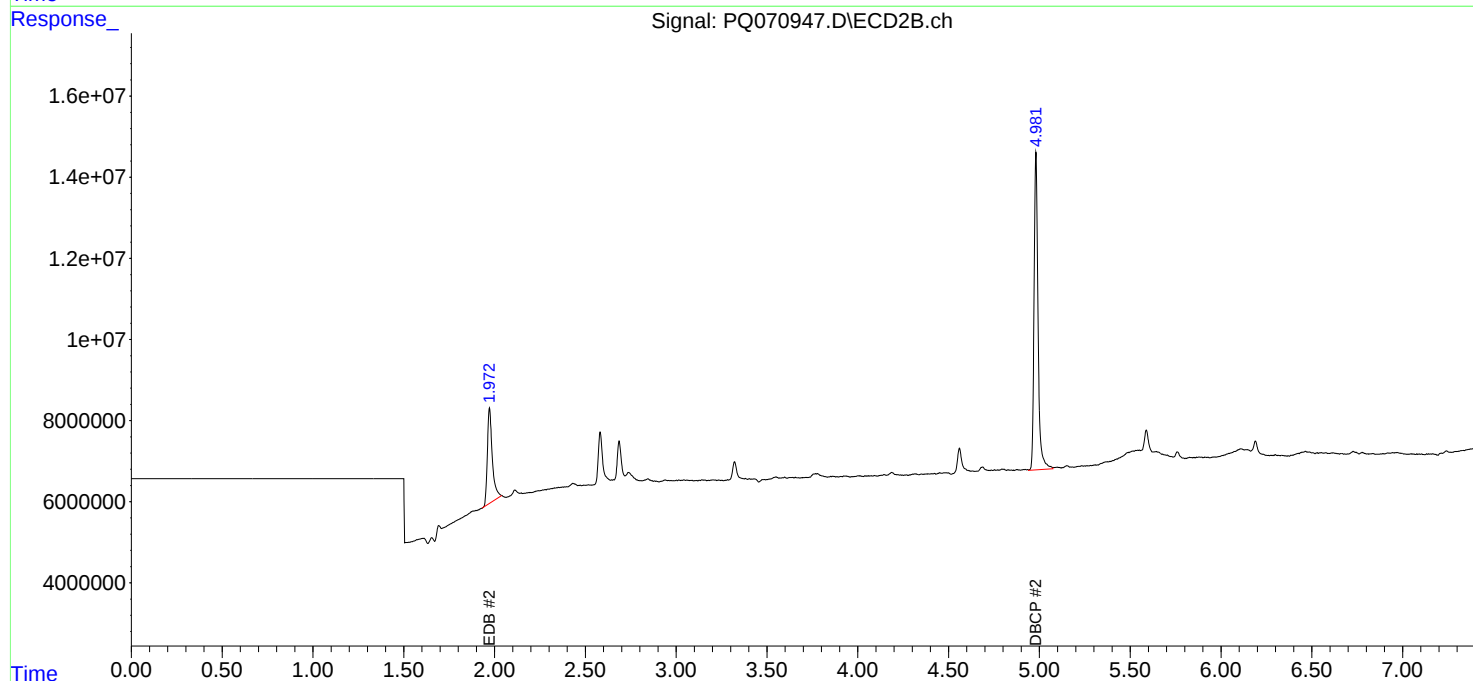
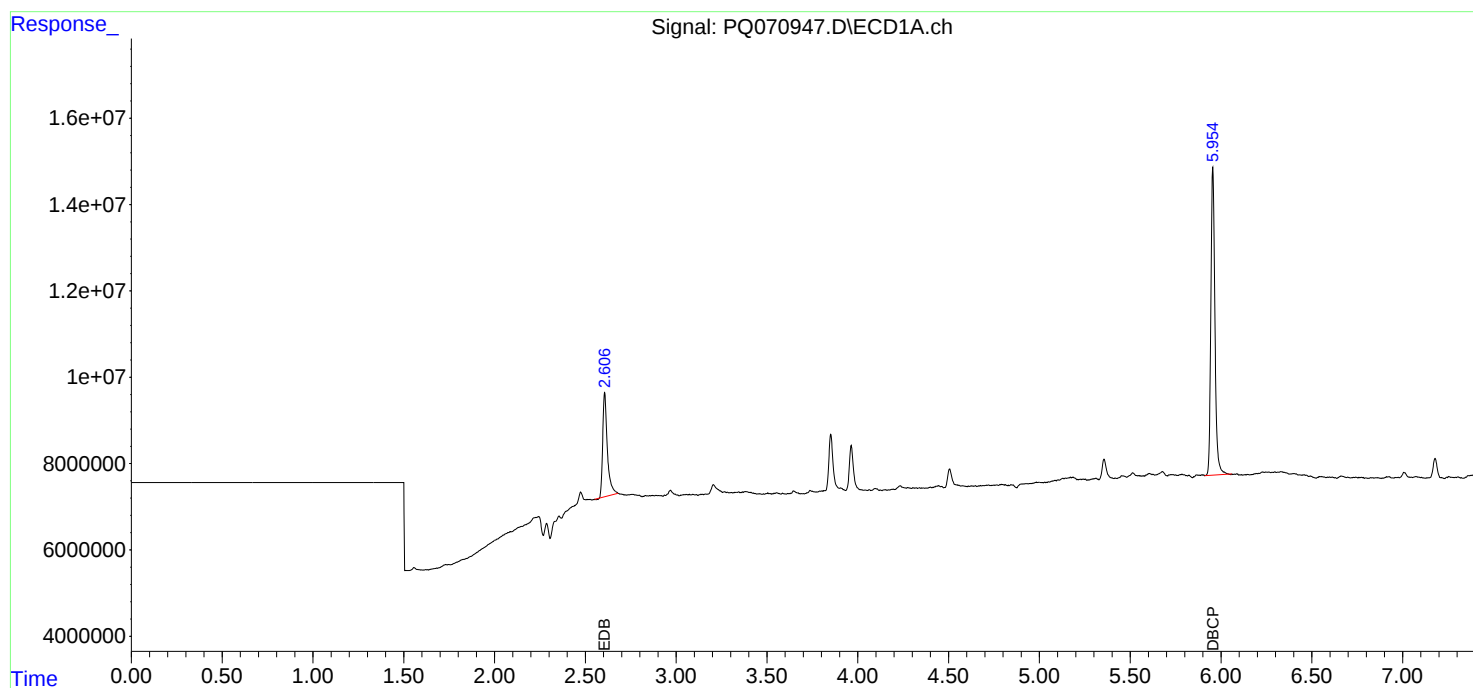
Instrument :
ECD_Q
ClientSampleId :
M8011.504.1 0.5 PPB ICC

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/07/2025
Supervised By :mohammad ahmed 10/09/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 07 10:40:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ100725-8011-504.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Oct 07 10:39:23 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB MR1 Signal #2 Phase: ZB MR2
Signal #1 Info : 30Mx0.32mmx 0.5µm Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ100725\
Data File : PQ070948.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Oct 2025 09:07
Operator : YP\AJ
Sample : M8011.504.1 0.25 PPB ICC
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
M8011.504.1 0.25 PPB ICC

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 07 10:41:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ100725-8011-504.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Oct 07 10:39:23 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB MR1 Signal #2 Phase: ZB MR2
Signal #1 Info : 30Mx0.32mmx 0.5µm Signal #2 Info : 30M x 0.32mm x 0.25µm

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

Target Compounds						
1) SA EDB	2.603	1.974	27127531	27678520	0.288	0.290
2) SA DBCP	5.952	4.983	70466963	74556593	0.284	0.278

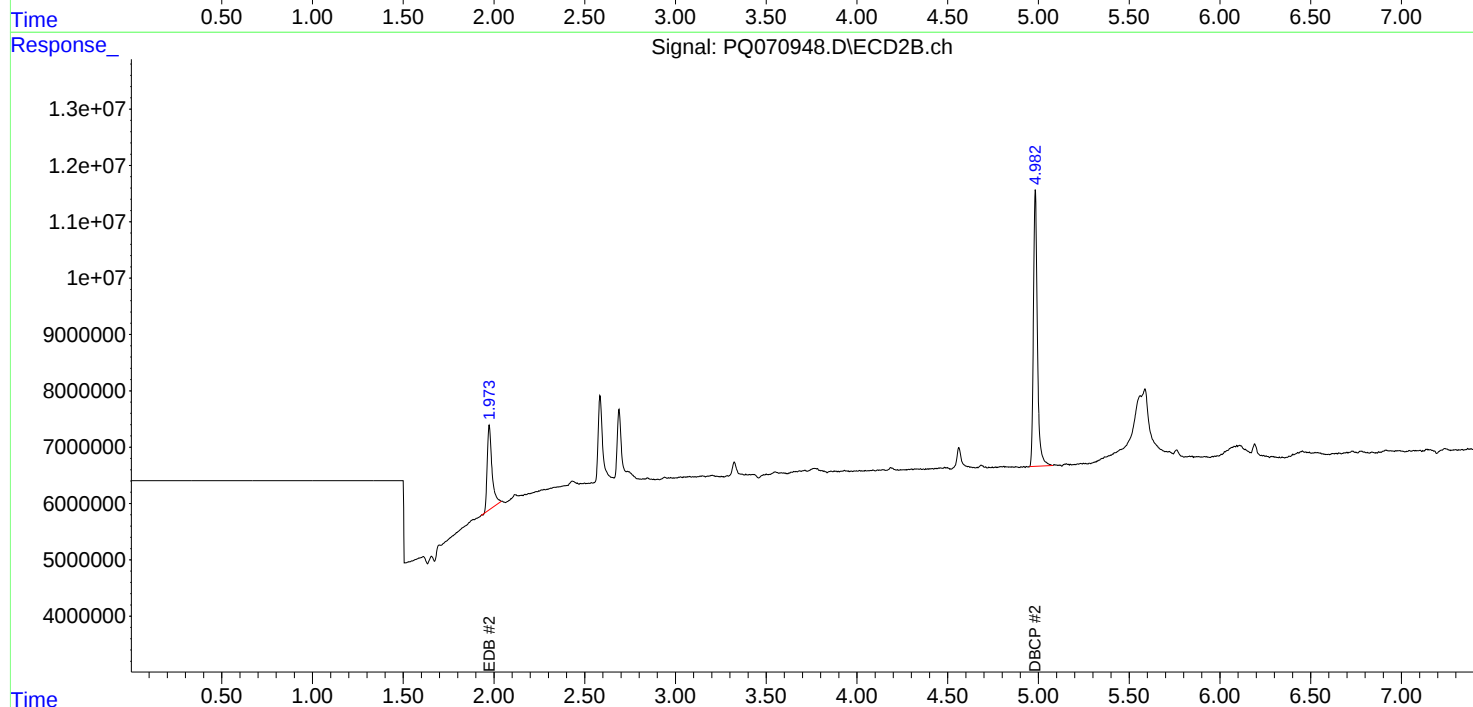
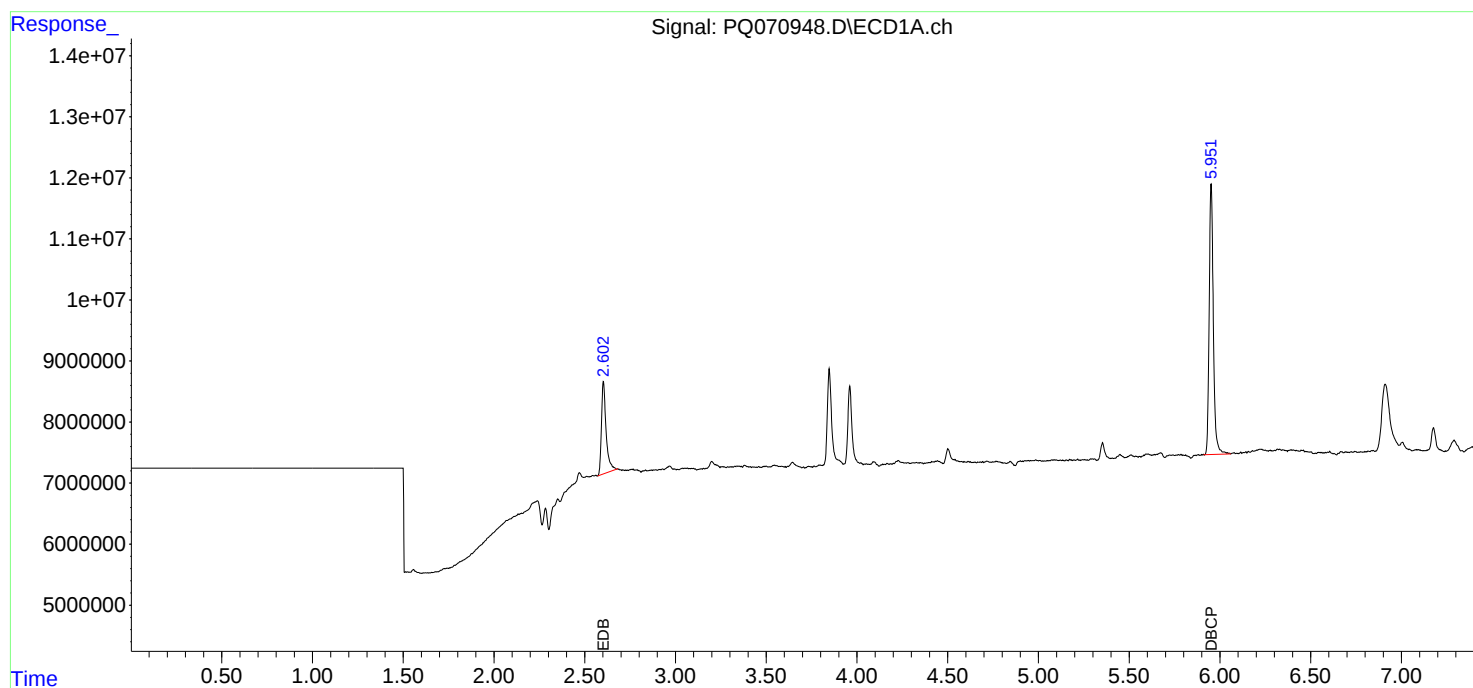
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ100725\
Data File : PQ070948.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Oct 2025 09:07
Operator : YP\AJ
Sample : M8011.504.1 0.25 PPB ICC
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
M8011.504.1 0.25 PPB ICC

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 07 10:41:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ100725-8011-504.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Oct 07 10:39:23 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB MR1 Signal #2 Phase: ZB MR2
Signal #1 Info : 30Mx0.32mmx 0.5µm Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ100725\
Data File : PQ070949.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Oct 2025 10:30
Operator : YP\AJ
Sample : M8011.504.1 0.1 PPB ICC
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
M8011.504.1 0.1 PPB ICC

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 07 10:39:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ100725-8011-504.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Oct 07 10:39:23 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB MR1 Signal #2 Phase: ZB MR2
Signal #1 Info : 30Mx0.32mmx 0.5µm Signal #2 Info : 30M x 0.32mm x 0.25µm

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

Target Compounds						
1) SA EDB	2.604	1.976	10188674	10229437	0.100	0.100
2) SA DBCP	5.952	4.984	27445006	30175358	0.100	0.100

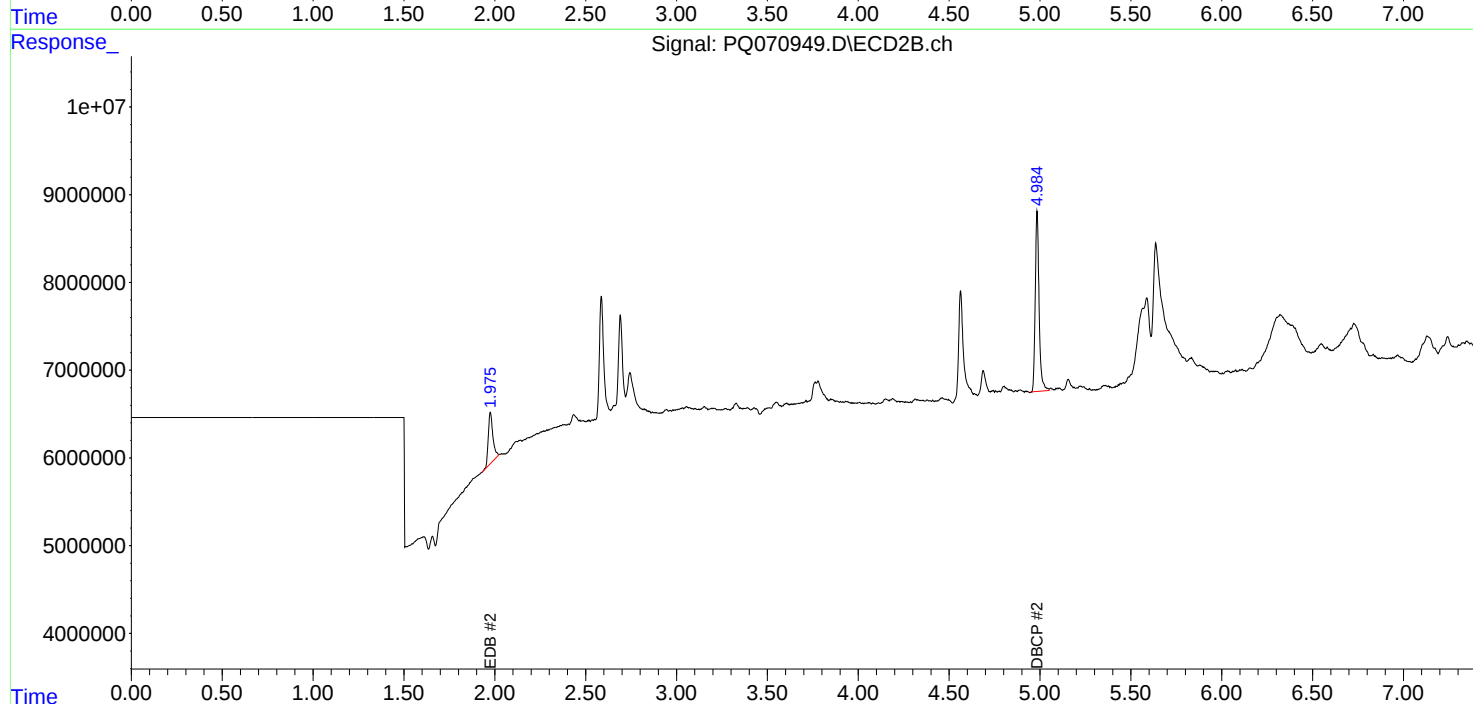
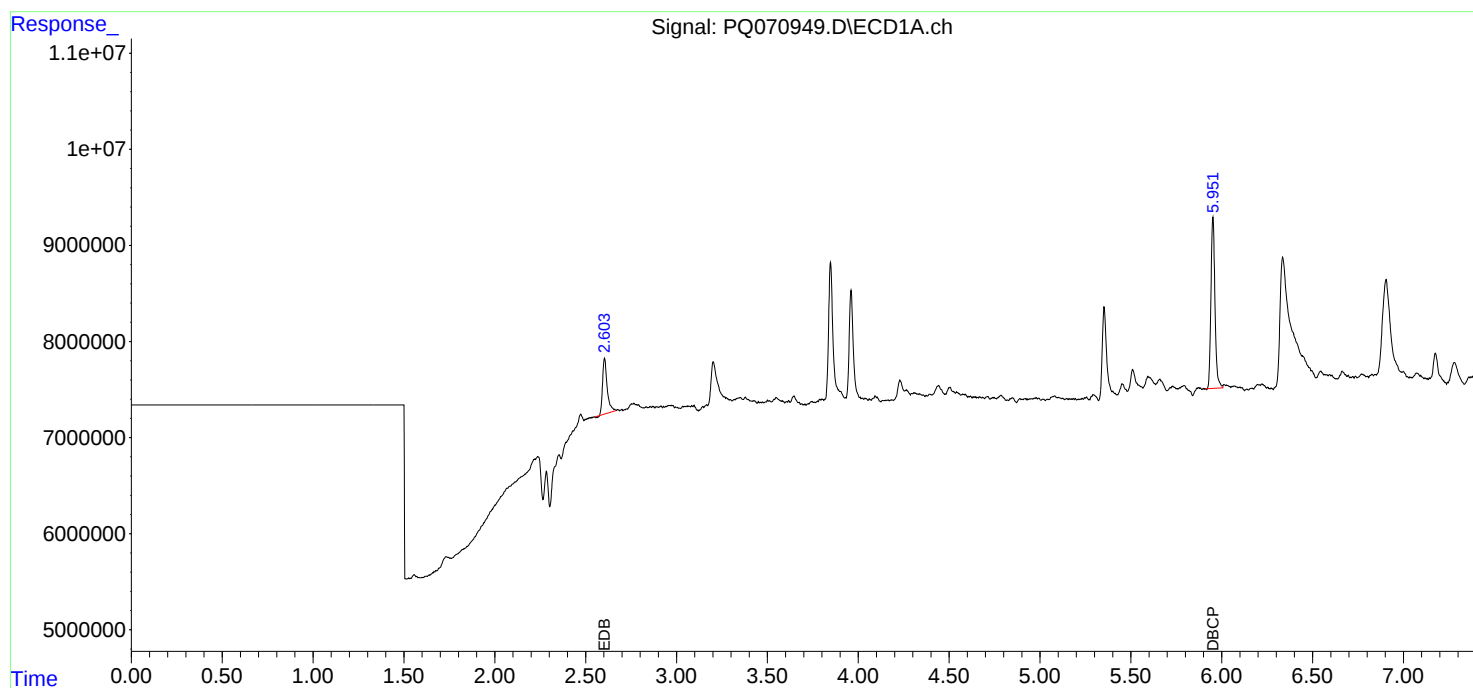
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ100725\
Data File : PQ070949.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Oct 2025 10:30
Operator : YP\AJ
Sample : M8011.504.1 0.1 PPB ICC
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
M8011.504.1 0.1 PPB ICC

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 07 10:39:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ100725-8011-504.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Oct 07 10:39:23 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB MR1 Signal #2 Phase: ZB MR2
Signal #1 Info : 30Mx0.32mmx 0.5µm Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ100725\
Data File : PQ070950.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Oct 2025 10:43
Operator : YP\AJ
Sample : M8011.504.1 0.05 PPB ICC
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
M8011.504.1 0.05 PPB ICC

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 07 10:52:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ100725-8011-504.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Oct 07 10:52:34 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB MR1 Signal #2 Phase: ZB MR2
Signal #1 Info : 30Mx0.32mmx 0.5µm Signal #2 Info : 30M x 0.32mm x 0.25µm

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

Target Compounds						
1) SA EDB	2.602	1.974	5588750	5738085	0.055	0.055
2) SA DBCP	5.951	4.984	13910996	15452838	0.053	0.054

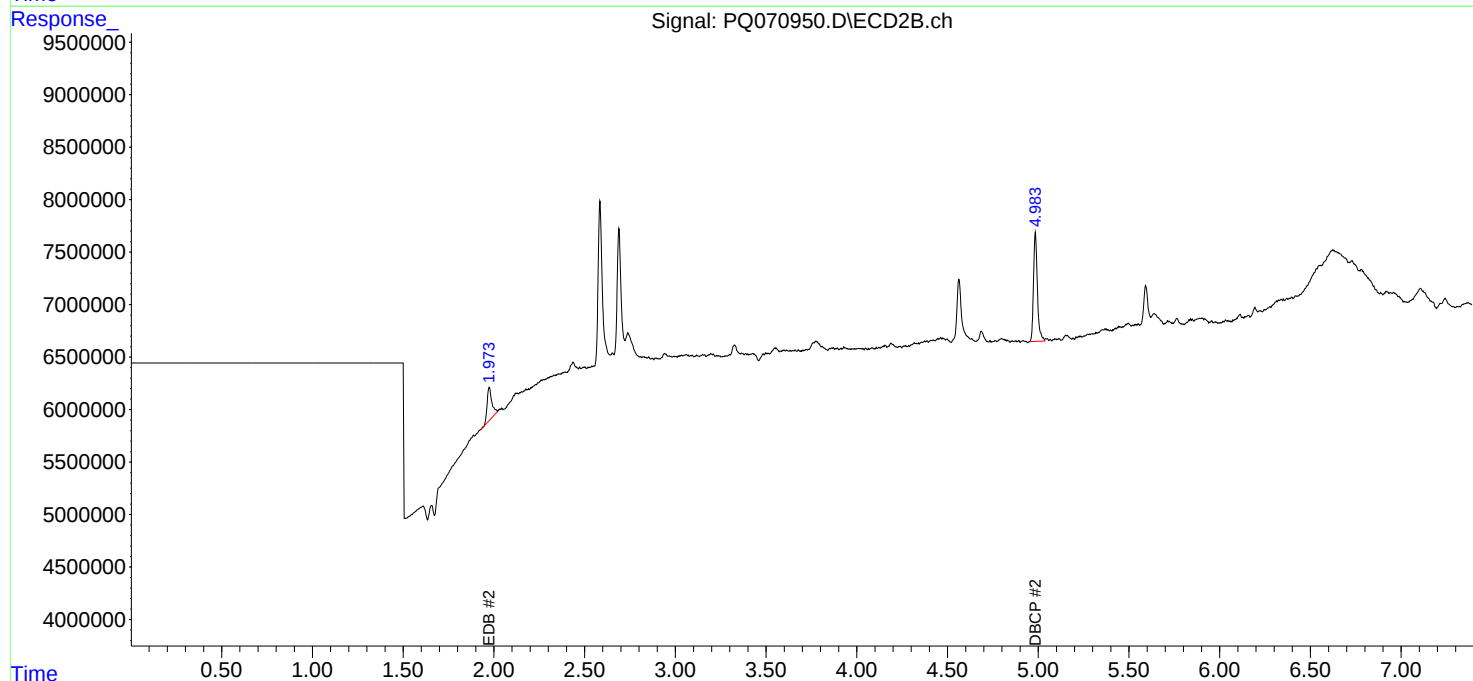
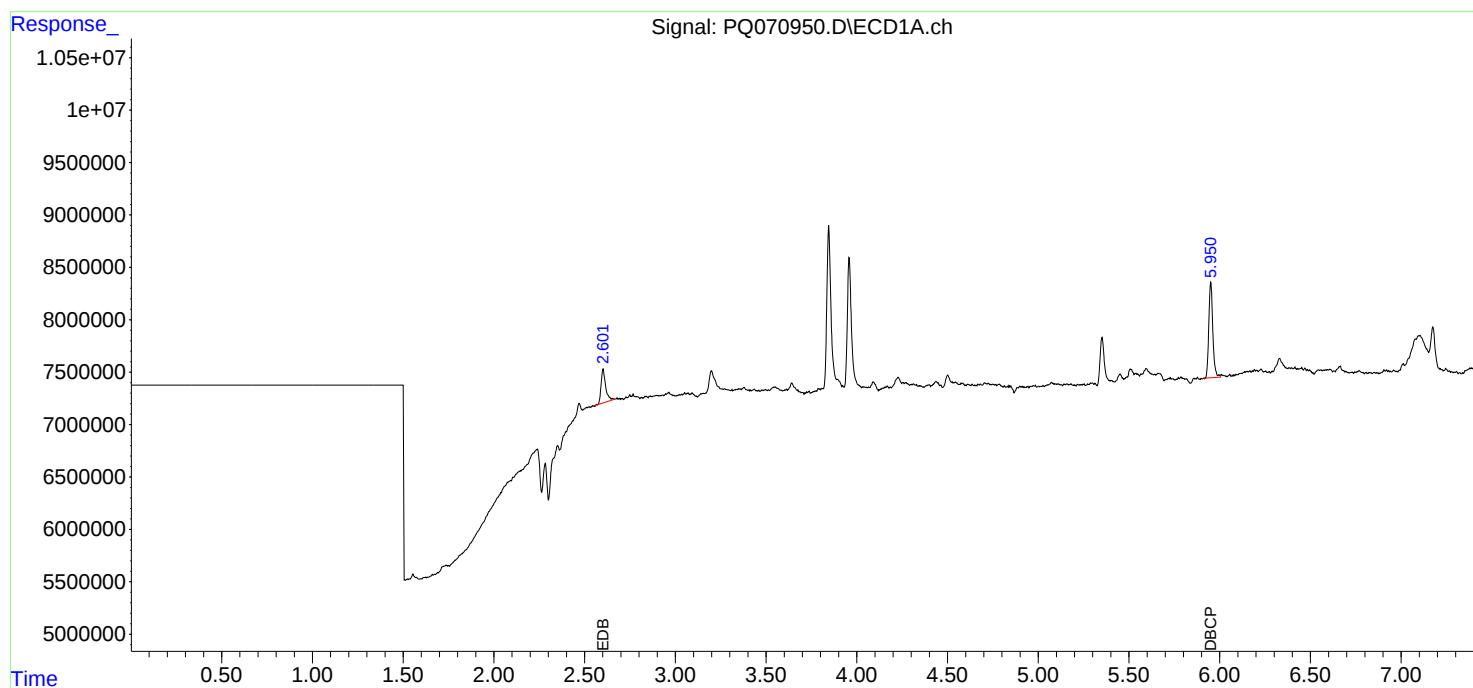
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ100725\
Data File : PQ070950.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Oct 2025 10:43
Operator : YP\AJ
Sample : M8011.504.1 0.05 PPB ICC
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
M8011.504.1 0.05 PPB ICC

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 07 10:52:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ100725-8011-504.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Oct 07 10:52:34 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB MR1 Signal #2 Phase: ZB MR2
Signal #1 Info : 30Mx0.32mmx 0.5µm Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ100725\
Data File : PQ070951.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Oct 2025 11:09
Operator : YP\AJ
Sample : M8011.504.1 0.025 PPB ICC
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
M8011.504.1 0.025 PPB ICC

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/07/2025
Supervised By :mohammad ahmed 10/09/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 07 11:18:49 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ100725-8011-504.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Oct 07 11:18:35 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB MR1 Signal #2 Phase: ZB MR2
Signal #1 Info : 30Mx0.32mmx 0.5µm Signal #2 Info : 30M x 0.32mm x 0.25µm

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

Target Compounds						
1) SA EDB	2.603	1.975	2446204	2603436	0.024m	0.026m
2) SA DBCP	5.950	4.983	6985642	7709558	0.026m	0.027m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ100725\
Data File : PQ070951.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Oct 2025 11:09
Operator : YP\AJ
Sample : M8011.504.1 0.025 PPB ICC
Misc :
ALS Vial : 6 Sample Multiplier: 1

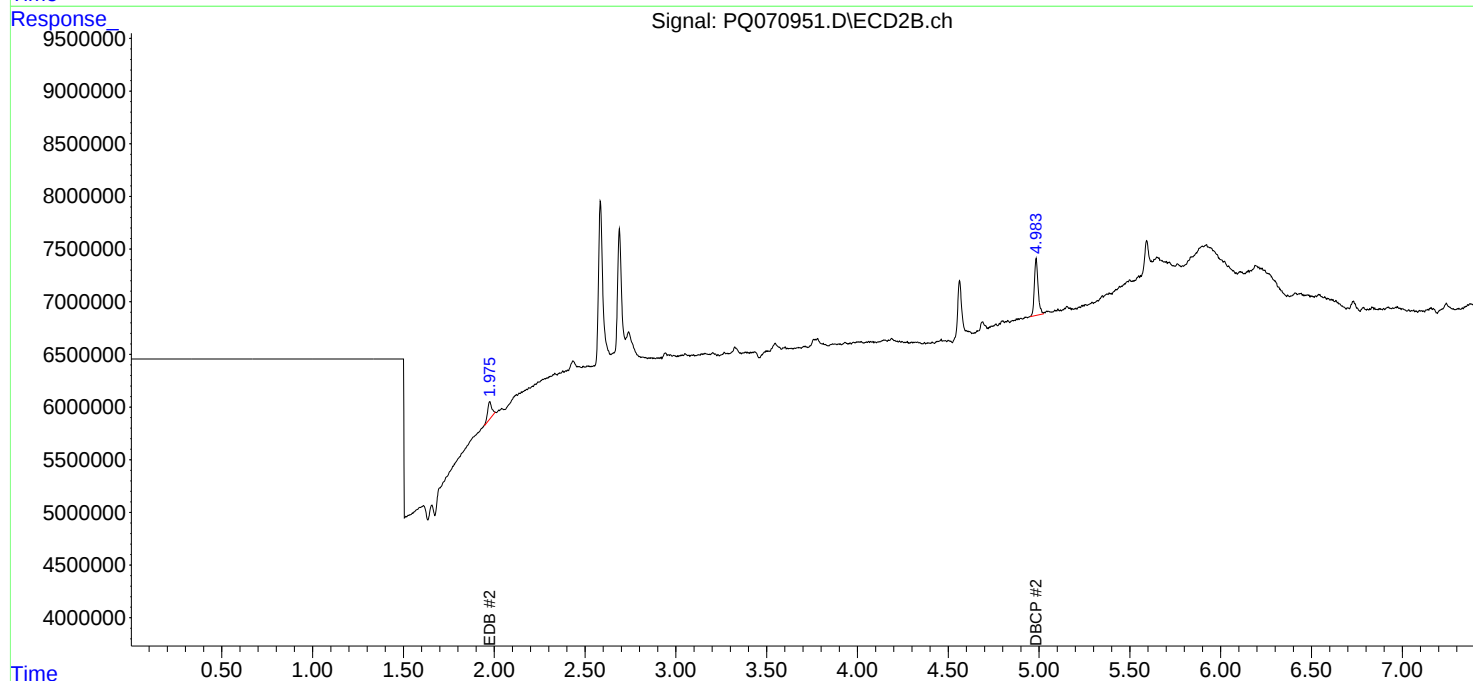
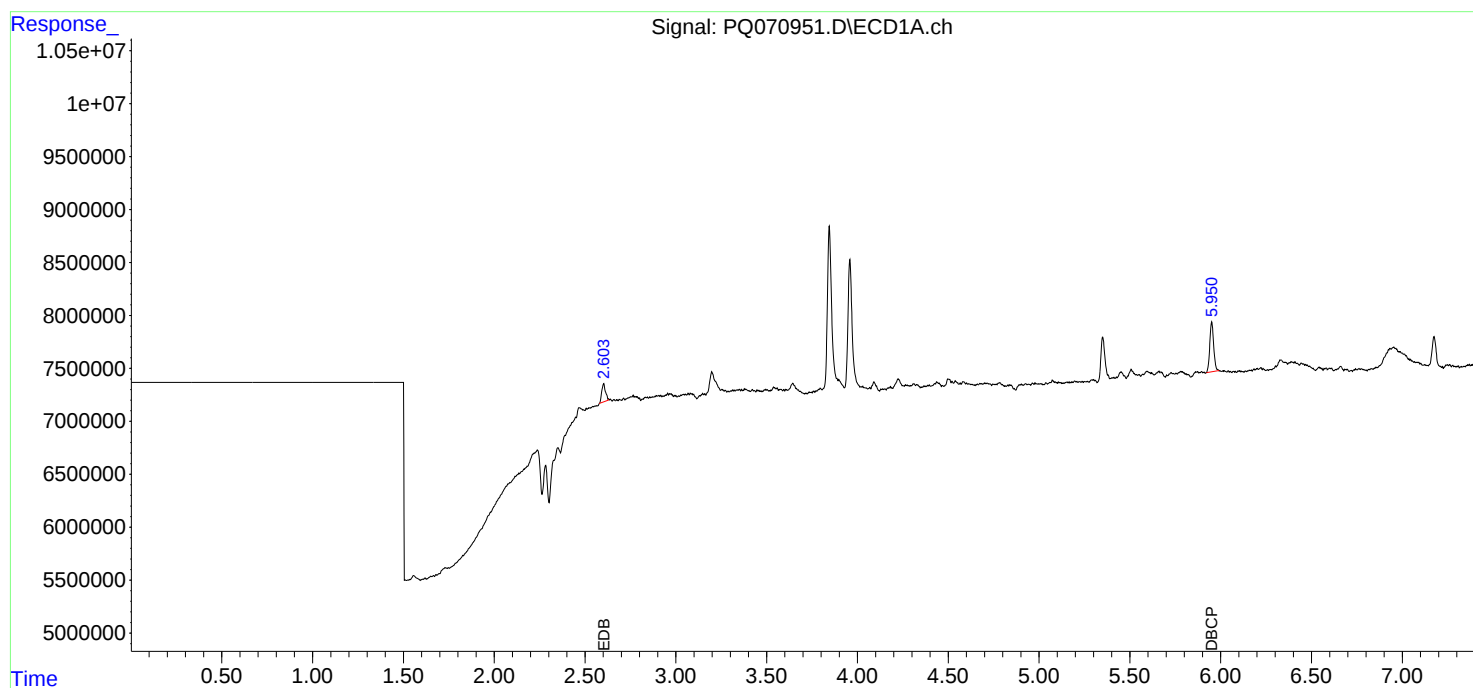
Instrument :
ECD_Q
ClientSampleId :
M8011.504.1 0.025 PPB ICC

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/07/2025
Supervised By :mohammad ahmed 10/09/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 07 11:18:49 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ100725-8011-504.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Oct 07 11:18:35 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB MR1 Signal #2 Phase: ZB MR2
Signal #1 Info : 30Mx0.32mmx 0.5µm Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ100725\
Data File : PQ070952.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Oct 2025 11:29
Operator : YP\AJ
Sample : M8011.504.1 0.1 PPB ICV
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
ICVPQ100725

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/07/2025
Supervised By :mohammad ahmed 10/09/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 07 11:38:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ100725-8011-504.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Oct 07 11:24:17 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB MR1 Signal #2 Phase: ZB MR2
Signal #1 Info : 30Mx0.32mmx 0.5µm Signal #2 Info : 30M x 0.32mm x 0.25µm

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

Target Compounds						
1) SA EDB	2.601	1.976	10640941	11060985	0.105m	0.106
2) SA DBCP	5.950	4.985	26470504	28001363	0.099	0.096

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ100725\
Data File : PQ070952.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Oct 2025 11:29
Operator : YP\AJ
Sample : M8011.504.1 0.1 PPB ICV
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :

ECD_Q

ClientSampleId :

ICVPQ100725

Manual Integrations

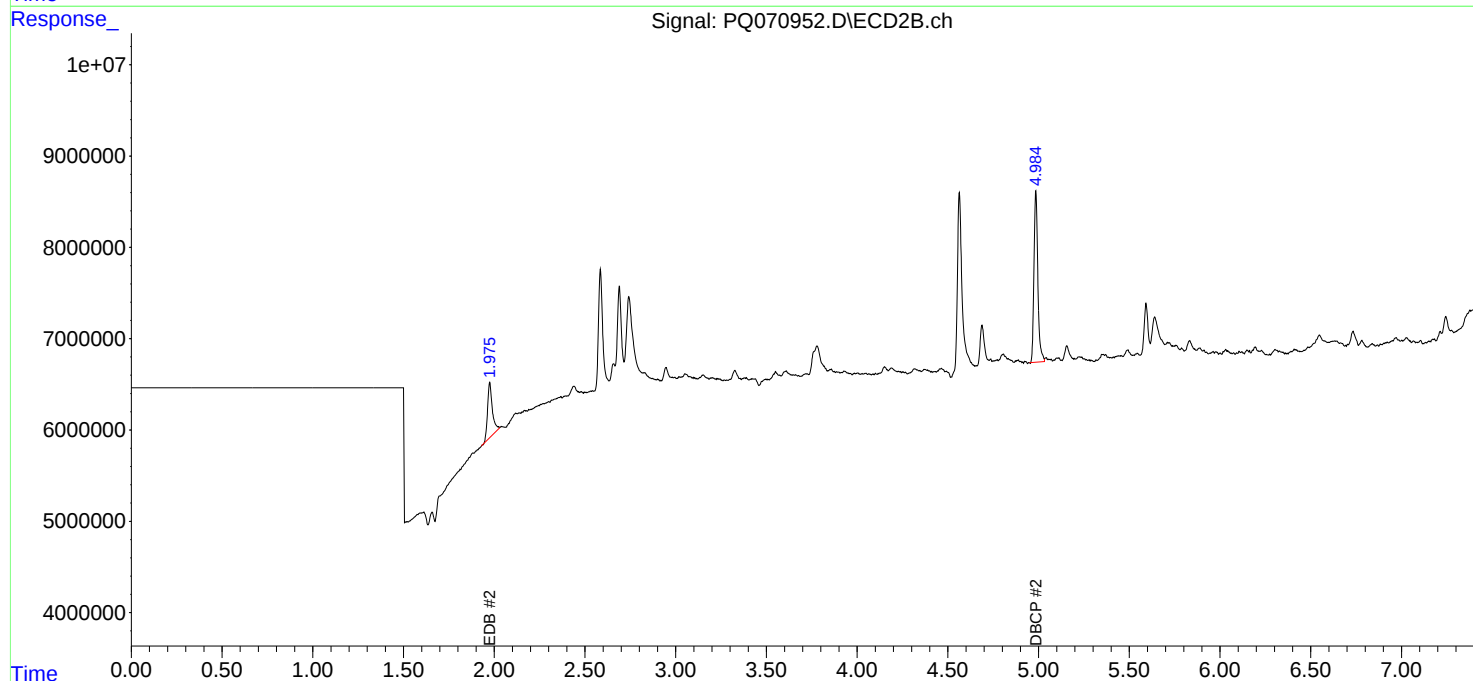
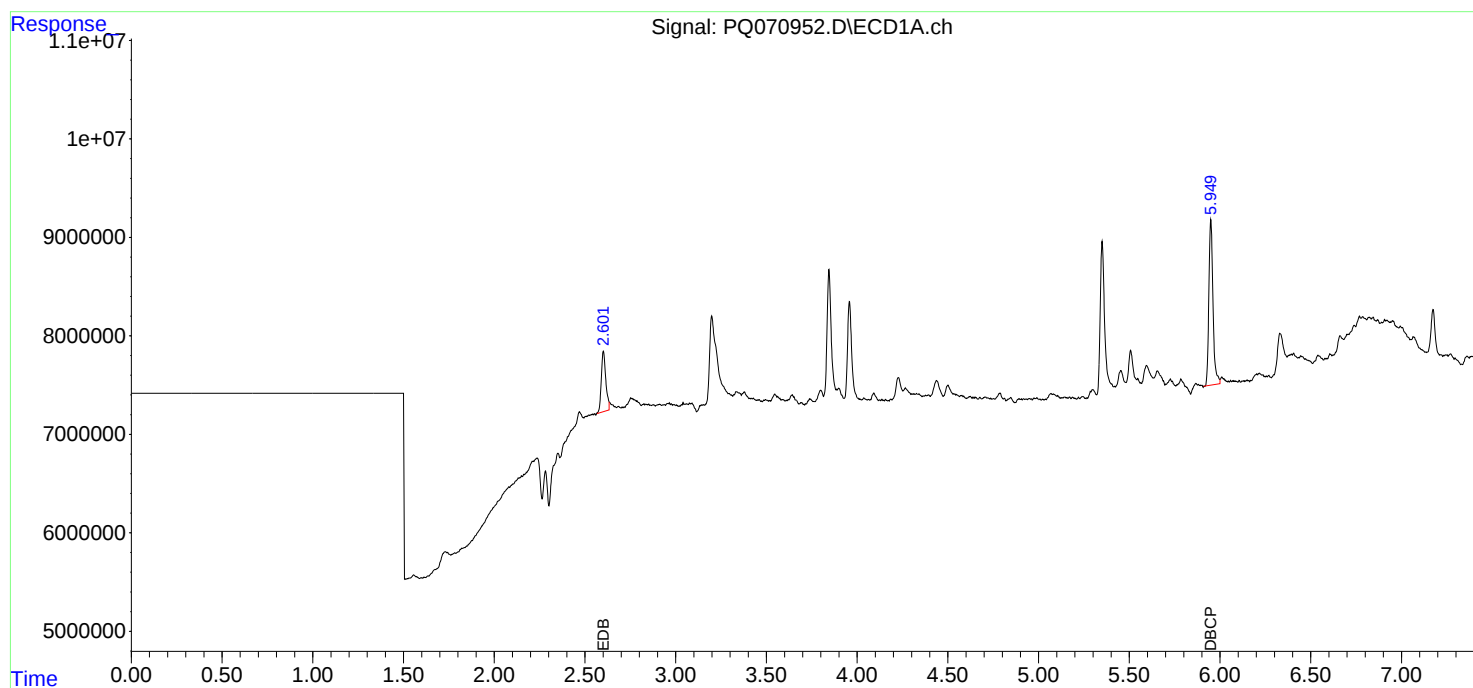
APPROVED

Reviewed By :Yogesh Patel 10/07/2025

Supervised By :mohammad ahmed 10/09/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 07 11:38:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ100725-8011-504.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Oct 07 11:24:17 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB MR1 Signal #2 Phase: ZB MR2
Signal #1 Info : 30Mx0.32mmx 0.5µm Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ100725\
Data File : PQ070953.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Oct 2025 12:19
Operator : YP\AJ
Sample : RT CHECK
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
RT CHECK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 07 12:28:09 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ100725-8011-504.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Oct 07 11:24:17 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB MR1 Signal #2 Phase: ZB MR2
Signal #1 Info : 30Mx0.32mmx 0.5µm Signal #2 Info : 30M x 0.32mm x 0.25µm

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

Target Compounds						

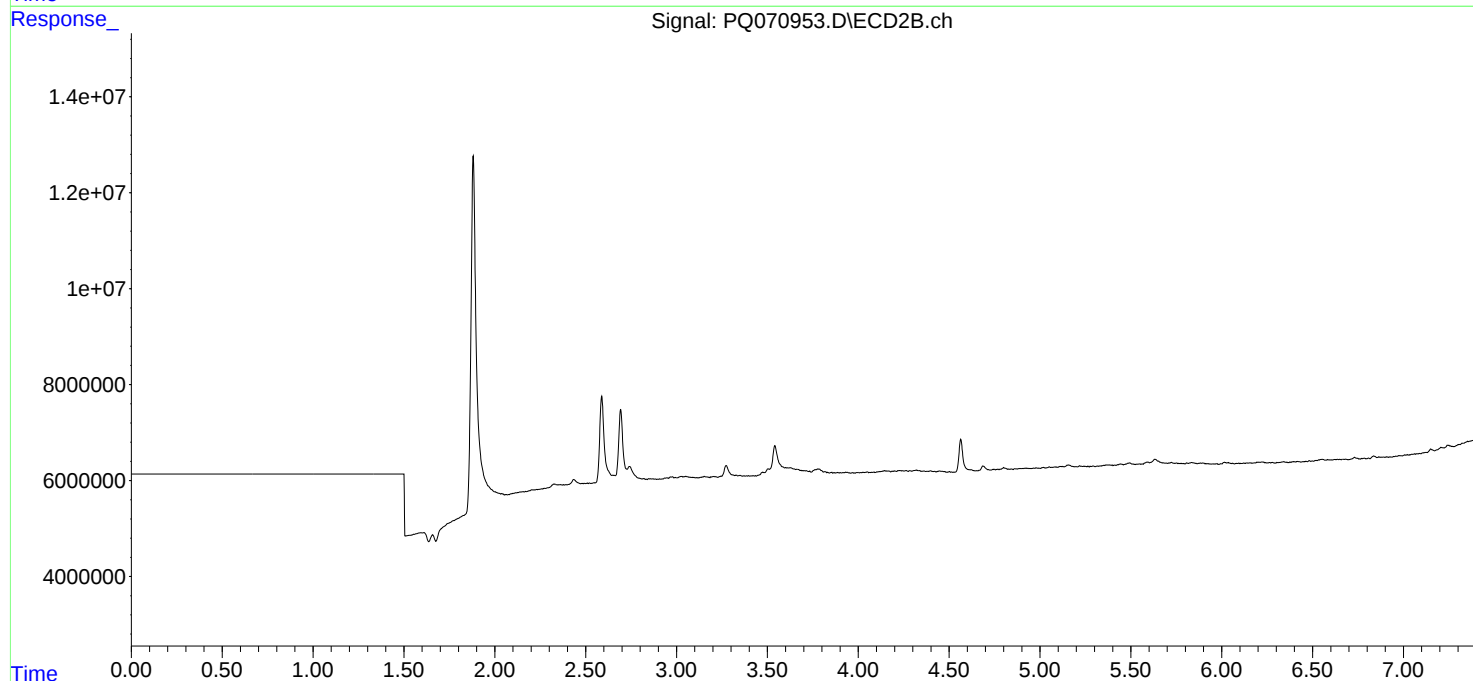
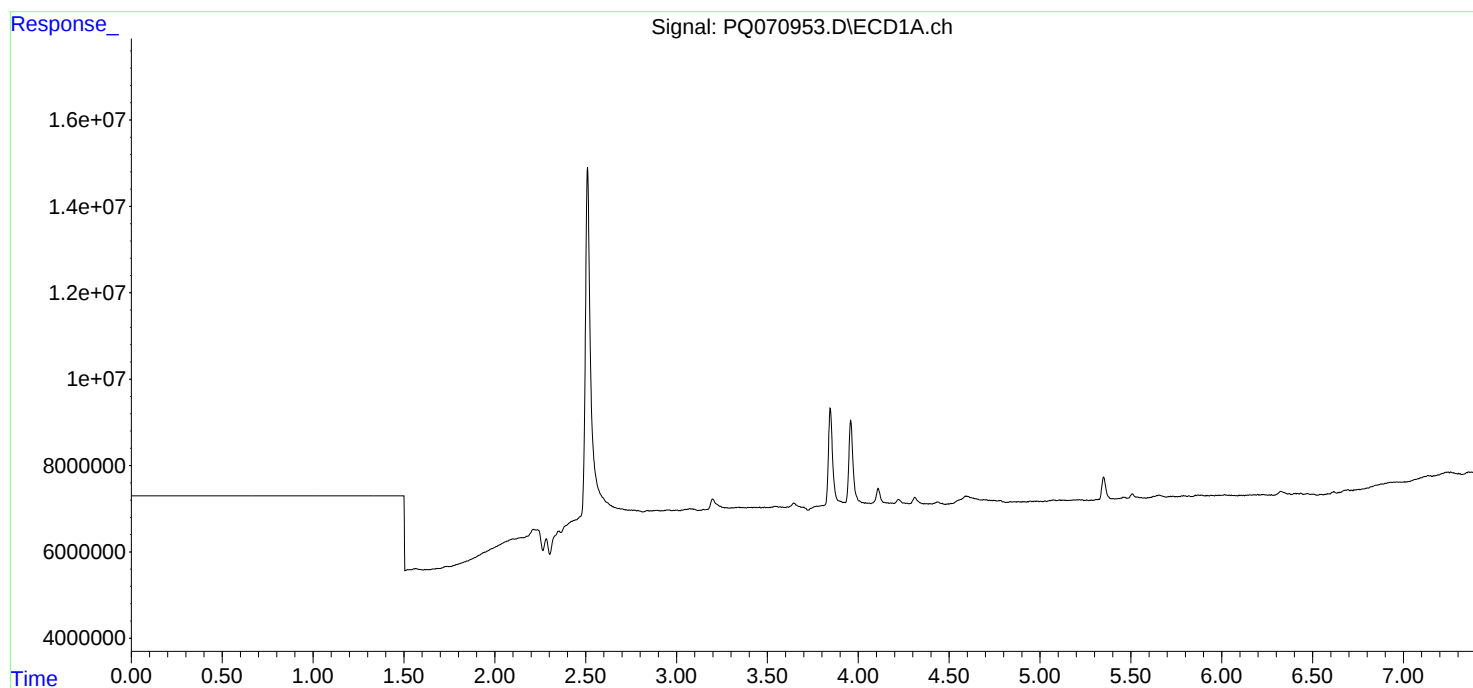
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ100725\
Data File : PQ070953.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Oct 2025 12:19
Operator : YP\AJ
Sample : RT CHECK
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
RT CHECK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 07 12:28:09 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ100725-8011-504.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Oct 07 11:24:17 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB MR1 Signal #2 Phase: ZB MR2
Signal #1 Info : 30Mx0.32mmx 0.5µm Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ100725\
Data File : PQ070955.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Oct 2025 12:38
Operator : YP\AJ
Sample : Low-Level LFB-MDL Check
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
Low-Level LFB-MDL Check

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/07/2025
Supervised By :mohammad ahmed 10/09/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 07 12:47:17 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ100725-8011-504.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Oct 07 11:24:17 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB MR1 Signal #2 Phase: ZB MR2
Signal #1 Info : 30Mx0.32mmx 0.5µm Signal #2 Info : 30M x 0.32mm x 0.25µm

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

Target Compounds						
1) SA EDB	2.601	1.974	2117957	2413833	0.021m	0.023
2) SA DBCP	5.950	4.982	6623255	7148640	0.025m	0.025m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ100725\
Data File : PQ070955.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Oct 2025 12:38
Operator : YP\AJ
Sample : Low-Level LFB-MDL Check
Misc :
ALS Vial : 10 Sample Multiplier: 1

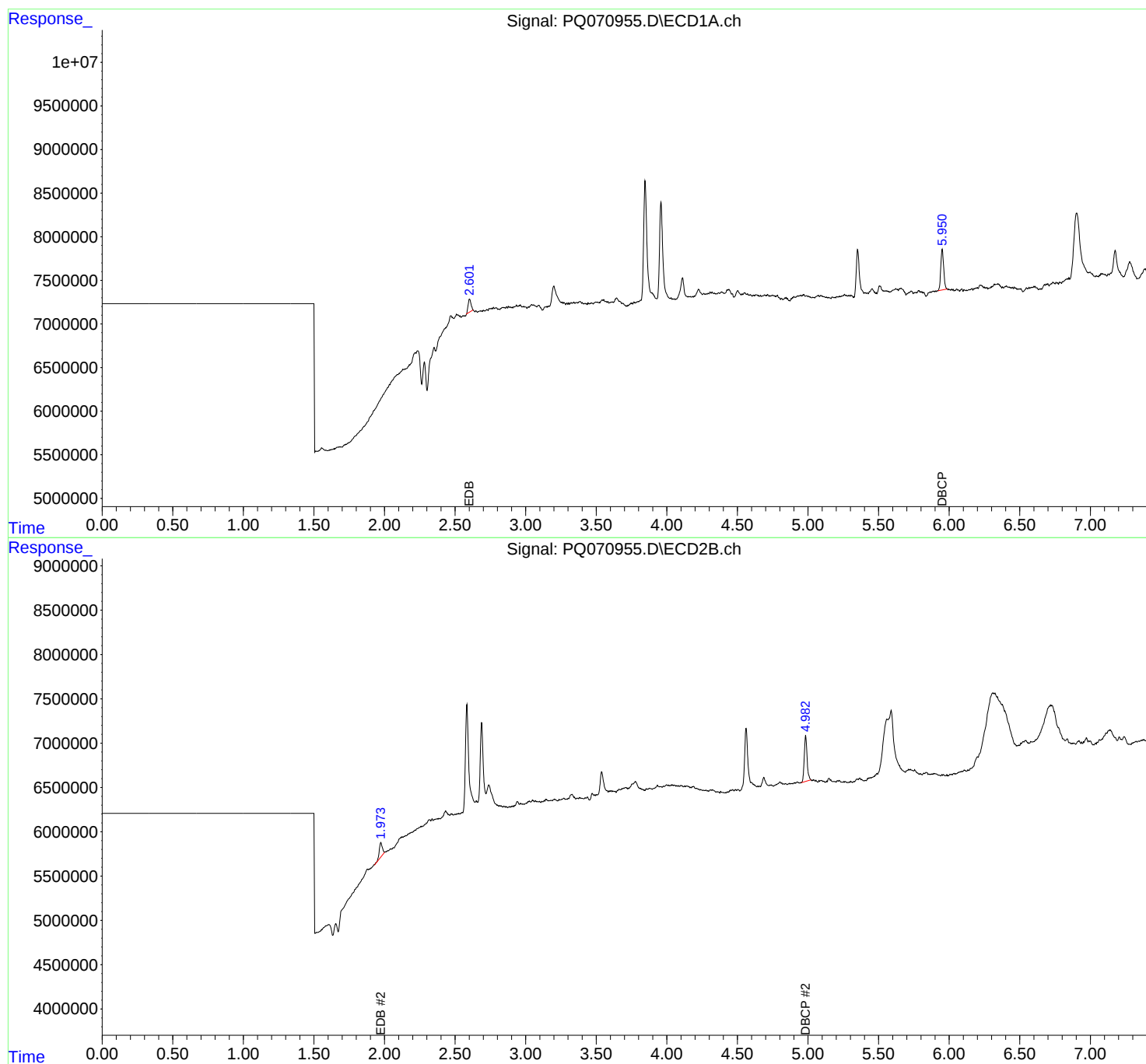
Instrument :
ECD_Q
ClientSampleId :
Low-Level LFB-MDL Check

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/07/2025
Supervised By :mohammad ahmed 10/09/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 07 12:47:17 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ100725-8011-504.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Oct 07 11:24:17 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB MR1 Signal #2 Phase: ZB MR2
Signal #1 Info : 30Mx0.32mmx 0.5µm Signal #2 Info : 30M x 0.32mm x 0.25µm





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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Lab Name: AllianceContract: ALLI03Lab Code: ACESDG NO.: Q3015Continuing Calib Date: 10/07/2025Initial Calibration Date(s): 10/07/2025 10/07/2025Continuing Calib Time: 12:29Initial Calibration Time(s): 08:57 11:09GC Column: ZB-MR1 ID: 0.32 (mm)

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
DBCP	5.95	5.96	5.86	6.06	0.01
EDB	2.60	2.61	2.51	2.71	0.01



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CALIBRATION VERIFICATION SUMMARY

Lab Name: AllianceContract: ALLI03Lab Code: ACESDG NO.: Q3015Continuing Calib Date: 10/07/2025Initial Calibration Date(s): 10/07/2025 10/07/2025Continuing Calib Time: 12:29Initial Calibration Time(s): 08:57 11:09GC Column: ZB-MR2 ID: 0.32 (mm)

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
DBCP	4.98	4.98	4.88	5.08	0.00
EDB	1.97	1.97	1.87	2.07	0.00



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance Contract: ALLI03
Lab Code: ACE SDG NO.: Q3015
GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 10/07/2025 10/07/2025

Client Sample No.: CCAL01 Date Analyzed: 10/07/2025
Lab Sample No.: M8011.504.1 0.1 PF Data File : PQ070954.D Time Analyzed: 12:29

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
DBCP	5.951	5.855	6.055	0.100	0.100	0.0
EDB	2.602	2.507	2.707	0.100	0.100	0.0



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance Contract: ALLI03

Lab Code: ACE SDG NO.: Q3015

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 10/07/2025 10/07/2025

Client Sample No.: CCAL01 Date Analyzed: 10/07/2025

Lab Sample No.: M8011.504.1 0.1 PF Data File : PQ070954.D Time Analyzed: 12:29

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
DBCP	4.984	4.881	5.081	0.100	0.100	0.0
EDB	1.974	1.872	2.072	0.100	0.100	0.0

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ100725\
Data File : PQ070954.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Oct 2025 12:29
Operator : YP\AJ
Sample : M8011.504.1 0.1 PPB CCC
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
M8011.504.1 0.1 PPB CCC

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 07 12:37:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ100725-8011-504.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Oct 07 11:24:17 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB MR1 Signal #2 Phase: ZB MR2
Signal #1 Info : 30Mx0.32mmx 0.5µm Signal #2 Info : 30M x 0.32mm x 0.25µm

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

Target Compounds						
1) SA EDB	2.602	1.974	10214616	10200341	0.101	0.098
2) SA DBCP	5.951	4.984	26736167	29044587	0.100	0.100

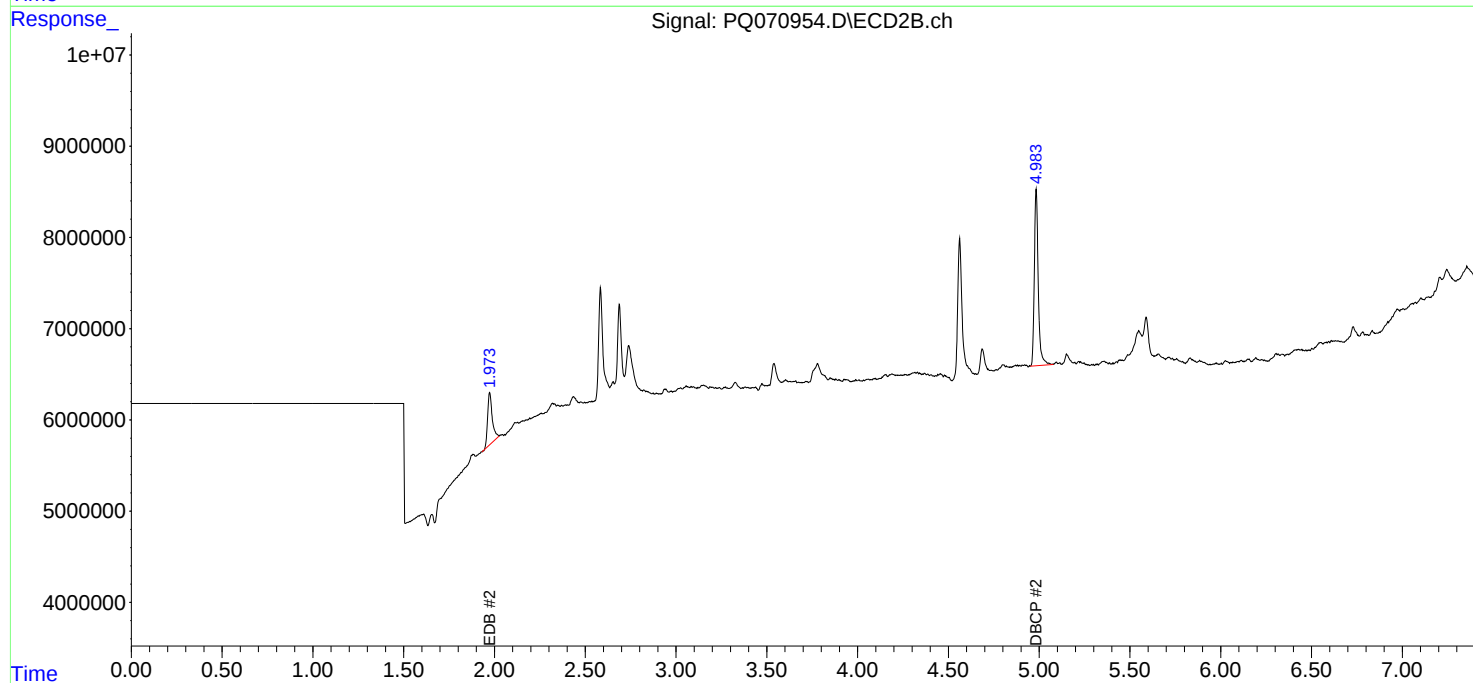
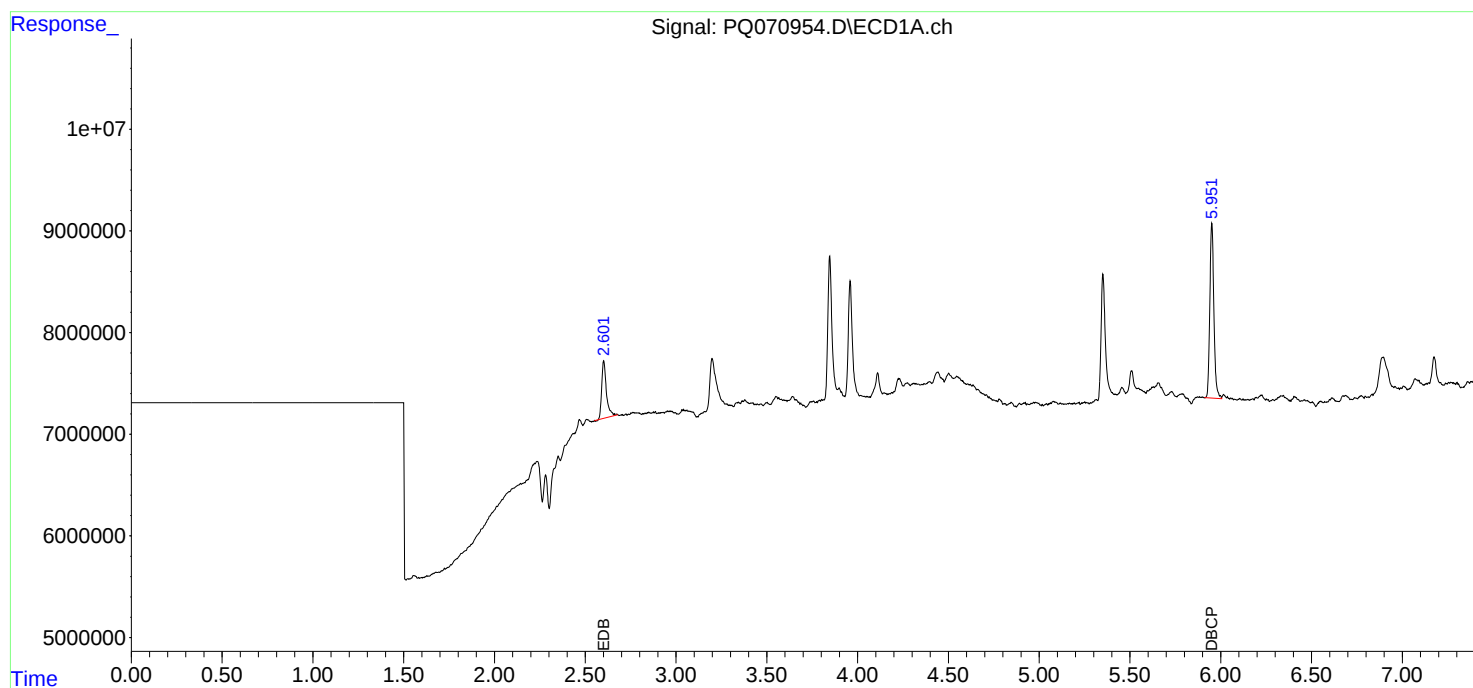
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ100725\
Data File : PQ070954.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Oct 2025 12:29
Operator : YP\AJ
Sample : M8011.504.1 0.1 PPB CCC
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
M8011.504.1 0.1 PPB CCC

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 07 12:37:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ100725-8011-504.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Oct 07 11:24:17 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB MR1 Signal #2 Phase: ZB MR2
Signal #1 Info : 30Mx0.32mmx 0.5µm Signal #2 Info : 30M x 0.32mm x 0.25µm





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CALIBRATION VERIFICATION SUMMARY

Lab Name: AllianceContract: ALLI03Lab Code: ACESDG NO.: Q3015Continuing Calib Date: 10/07/2025Initial Calibration Date(s): 10/07/2025 10/07/2025Continuing Calib Time: 13:57Initial Calibration Time(s): 08:57 11:09GC Column: ZB-MR1 ID: 0.32 (mm)

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
DBCP	5.95	5.96	5.86	6.06	0.01
EDB	2.60	2.61	2.51	2.71	0.01



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CALIBRATION VERIFICATION SUMMARY**Lab Name:** Alliance**Contract:** ALLI03**Lab Code:** ACE**SDG NO.:** Q3015**Continuing Calib Date:** 10/07/2025**Initial Calibration Date(s):** 10/07/2025 10/07/2025**Continuing Calib Time:** 13:57**Initial Calibration Time(s):** 08:57 11:09**GC Column:** ZB-MR2 **ID:** 0.32 (mm)

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
DBCP	4.98	4.98	4.88	5.08	0.00
EDB	1.97	1.97	1.87	2.07	0.00



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance Contract: ALLI03
Lab Code: ACE SDG NO.: Q3015
GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 10/07/2025 10/07/2025

Client Sample No.: CCAL02 Date Analyzed: 10/07/2025
Lab Sample No.: M8011.504.1 0.1 PF Data File : PQ070961.D Time Analyzed: 13:57

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
DBCP	5.951	5.855	6.055	0.100	0.100	0.0
EDB	2.603	2.507	2.707	0.110	0.100	10.0



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance Contract: ALLI03
Lab Code: ACE SDG NO.: Q3015
GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 10/07/2025 10/07/2025

Client Sample No.: CCAL02 Date Analyzed: 10/07/2025
Lab Sample No.: M8011.504.1 0.1 PF Data File : PQ070961.D Time Analyzed: 13:57

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
DBCP	4.984	4.881	5.081	0.100	0.100	0.0
EDB	1.974	1.872	2.072	0.110	0.100	10.0

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ100725\
Data File : PQ070961.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Oct 2025 13:57
Operator : YP\AJ
Sample : M8011.504.1 0.1 PPB CCC
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
M8011.504.1 0.1 PPB CCC

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 07 14:31:58 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ100725-8011-504.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Oct 07 11:24:17 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB MR1 Signal #2 Phase: ZB MR2
Signal #1 Info : 30Mx0.32mmx 0.5µm Signal #2 Info : 30M x 0.32mm x 0.25µm

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

Target Compounds						
1) SA EDB	2.603	1.974	10968606	11420394	0.108	0.110
2) SA DBCP	5.951	4.984	28011827	30359327	0.105	0.104

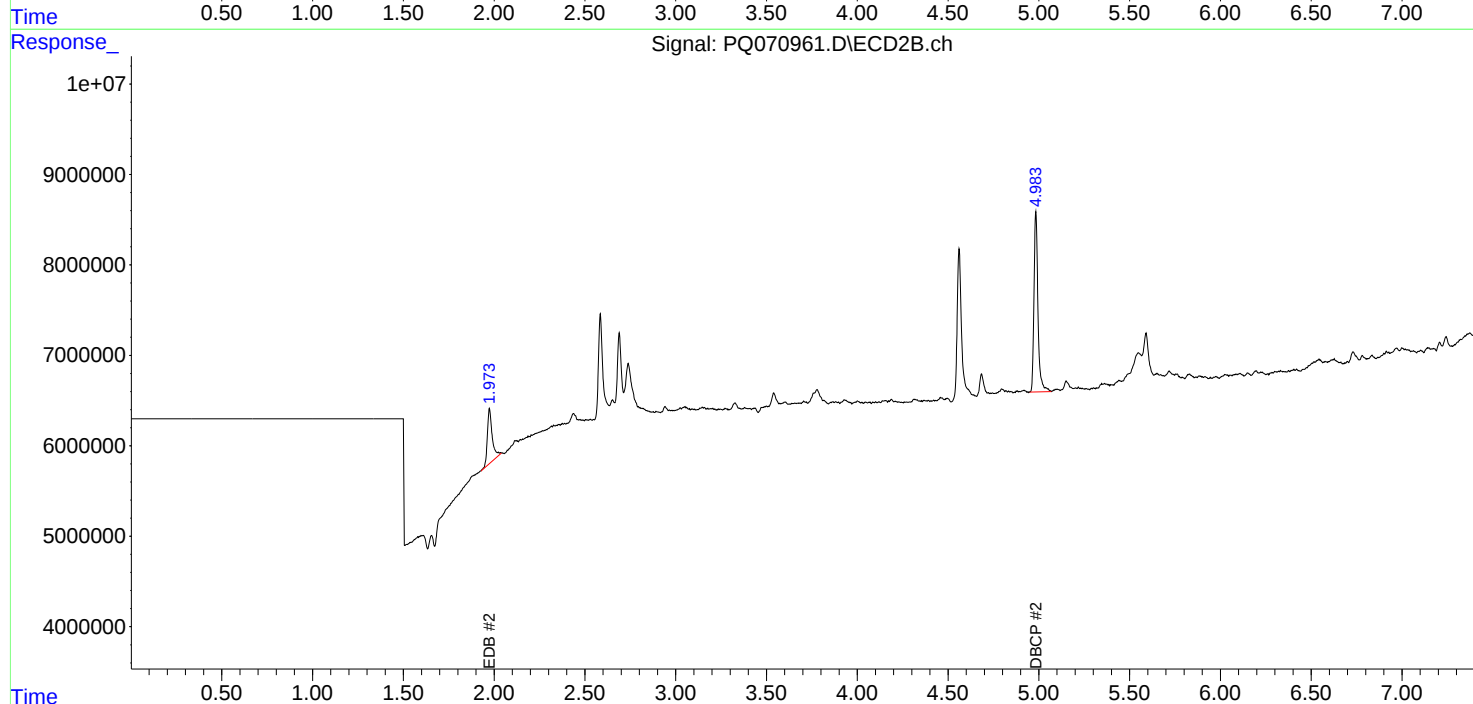
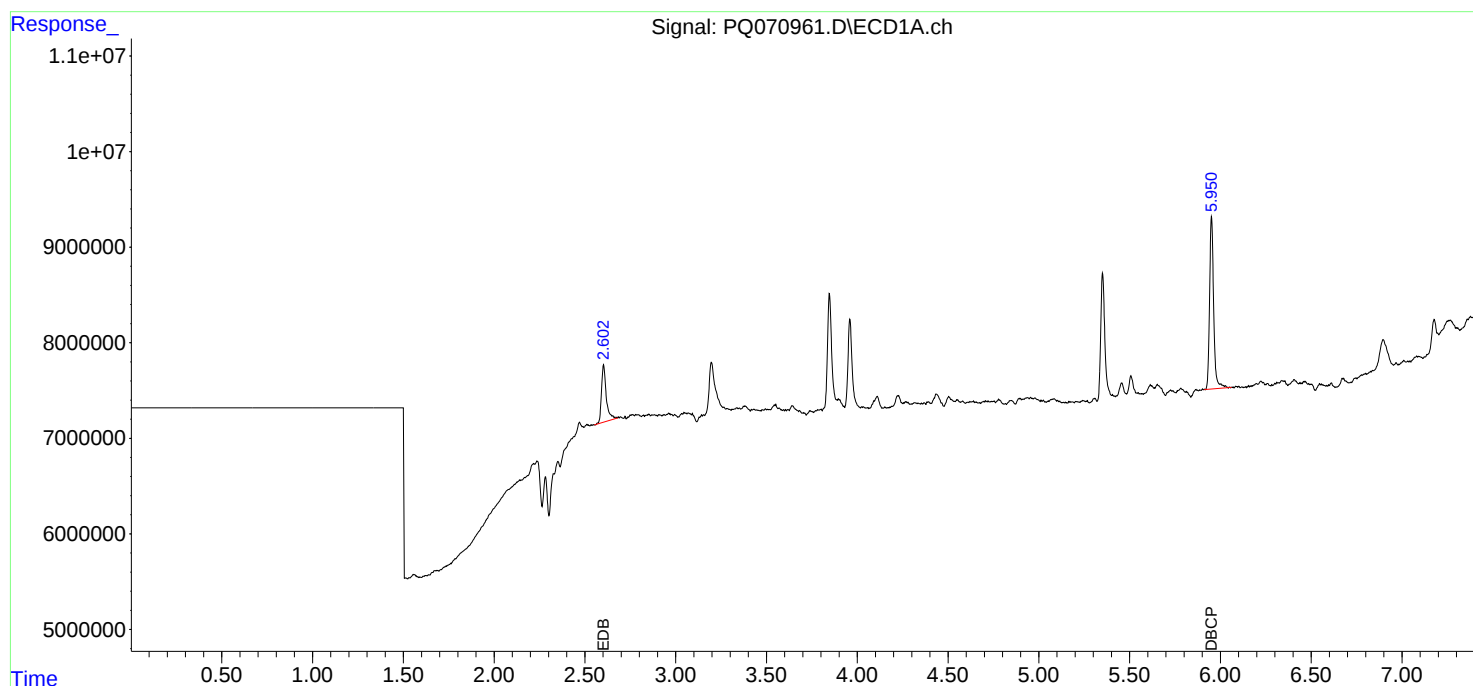
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ100725\
Data File : PQ070961.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Oct 2025 13:57
Operator : YP\AJ
Sample : M8011.504.1 0.1 PPB CCC
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
M8011.504.1 0.1 PPB CCC

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 07 14:31:58 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ100725-8011-504.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Oct 07 11:24:17 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB MR1 Signal #2 Phase: ZB MR2
Signal #1 Info : 30Mx0.32mmx 0.5µm Signal #2 Info : 30M x 0.32mm x 0.25µm



Analytical Sequence

Client: Alliance Technical Group, LLC - Newark	SDG No.: Q3015
Project: NJ Waste Water PT	Instrument ID: ECD_Q
GC Column: ZB-MR1	ID: 0.32 (mm) Inst. Calib. Date(s): 10/07/2025 10/07/2025

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

CLIENT ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
M8011.504.1 0.5 PPB ICC	M8011.504.1 0.5 PPB ICC	10/07/2025	08:57	PQ070947.D	0.00	0.00
M8011.504.1 0.25 PPB ICC	M8011.504.1 0.25 PPB ICC	10/07/2025	09:07	PQ070948.D	0.00	0.00
M8011.504.1 0.1 PPB ICC	M8011.504.1 0.1 PPB ICC	10/07/2025	10:30	PQ070949.D	0.00	0.00
M8011.504.1 0.05 PPB ICC	M8011.504.1 0.05 PPB ICC	10/07/2025	10:43	PQ070950.D	0.00	0.00
M8011.504.1 0.025 PPB ICC	M8011.504.1 0.025 PPB ICC	10/07/2025	11:09	PQ070951.D	0.00	0.00
M8011.504.1 0.1 PPB CCC	M8011.504.1 0.1 PPB CCC	10/07/2025	12:29	PQ070954.D	0.00	0.00
PB170012BL	PB170012BL	10/07/2025	12:48	PQ070956.D	0.00	0.00
PB170012BS	PB170012BS	10/07/2025	12:58	PQ070957.D	0.00	0.00
PB170012BSD	PB170012BSD	10/07/2025	13:09	PQ070958.D	0.00	0.00
WP0925-RR-8011-WP	Q3015-20	10/07/2025	13:18	PQ070959.D	0.00	0.00
WP0925-RR-8011-WPDL	Q3015-20DL	10/07/2025	13:47	PQ070960.D	0.00	0.00
M8011.504.1 0.1 PPB CCC	M8011.504.1 0.1 PPB CCC	10/07/2025	13:57	PQ070961.D	0.00	0.00

Analytical Sequence

Client: Alliance Technical Group, LLC - Newark	SDG No.: Q3015
Project: NJ Waste Water PT	Instrument ID: ECD_Q
GC Column: ZB-MR2	ID: 0.32 (mm) Inst. Calib. Date(s): 10/07/2025 10/07/2025

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

CLIENT ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
M8011.504.1 0.5 PPB ICC	M8011.504.1 0.5 PPB ICC	10/07/2025	08:57	PQ070947.D	0.00	0.00
M8011.504.1 0.25 PPB ICC	M8011.504.1 0.25 PPB ICC	10/07/2025	09:07	PQ070948.D	0.00	0.00
M8011.504.1 0.1 PPB ICC	M8011.504.1 0.1 PPB ICC	10/07/2025	10:30	PQ070949.D	0.00	0.00
M8011.504.1 0.05 PPB ICC	M8011.504.1 0.05 PPB ICC	10/07/2025	10:43	PQ070950.D	0.00	0.00
M8011.504.1 0.025 PPB ICC	M8011.504.1 0.025 PPB ICC	10/07/2025	11:09	PQ070951.D	0.00	0.00
M8011.504.1 0.1 PPB CCC	M8011.504.1 0.1 PPB CCC	10/07/2025	12:29	PQ070954.D	0.00	0.00
PB170012BL	PB170012BL	10/07/2025	12:48	PQ070956.D	0.00	0.00
PB170012BS	PB170012BS	10/07/2025	12:58	PQ070957.D	0.00	0.00
PB170012BSD	PB170012BSD	10/07/2025	13:09	PQ070958.D	0.00	0.00
WP0925-RR-8011-WP	Q3015-20	10/07/2025	13:18	PQ070959.D	0.00	0.00
WP0925-RR-8011-WPDL	Q3015-20DL	10/07/2025	13:47	PQ070960.D	0.00	0.00
M8011.504.1 0.1 PPB CCC	M8011.504.1 0.1 PPB CCC	10/07/2025	13:57	PQ070961.D	0.00	0.00

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB170012BS

Lab Name: Alliance

Contract: ALLI03

Lab Code: ACE

SDG NO.: Q3015

Lab Sample ID: PB170012BS

Date(s) Analyzed: 10/07/2025 10/07/2025

Instrument ID (1): ECD_Q

Instrument ID (2): ECD_Q

GC Column: (1): ZB-MR1

ID: 0.32 (mm)

GC Column:(2): ZB-MR2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
DBCP	1	5.95	5.90	6.00	0.25	0
	2	4.98	4.93	5.03	0.25	
EDB	1	2.60	2.55	2.65	0.25	3.9
	2	1.97	1.92	2.02	0.26	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB170012BSD

Lab Name: Alliance

Contract: ALLI03

Lab Code: ACE

SDG NO.: Q3015

Lab Sample ID: PB170012BSD

Date(s) Analyzed: 10/07/2025 10/07/2025

Instrument ID (1): ECD_Q

Instrument ID (2): ECD_Q

GC Column: (1): ZB-MR1

ID: 0.32 (mm)

GC Column:(2): ZB-MR2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
DBCP	1	5.95	5.90	6.00	0.24	0
	2	4.98	4.93	5.03	0.24	
EDB	1	2.60	2.55	2.65	0.26	3.9
	2	1.98	1.93	2.03	0.25	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

WP0925-RR-8011-WP

Lab Name: Alliance

Contract: ALLI03

Lab Code: ACE

SDG NO.: Q3015

Lab Sample ID: Q3015-20

Date(s) Analyzed: 10/07/2025 10/07/2025

Instrument ID (1): ECD_Q

Instrument ID (2): ECD_Q

GC Column: (1): ZB-MR1

ID: 0.32 (mm)

GC Column:(2): ZB-MR2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
DBCP	1	5.95	5.90	6.00	0.96	3.2
	2	4.98	4.93	5.03	0.93	
EDB	1	2.60	2.55	2.65	1.40	0
	2	1.98	1.93	2.03	1.40	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

WP0925-RR-8011-WPDL

Lab Name: Alliance

Contract: ALLI03

Lab Code: ACE

SDG NO.: Q3015

Lab Sample ID: Q3015-20DL

Date(s) Analyzed: 10/07/2025 10/07/2025

Instrument ID (1): ECD_Q

Instrument ID (2): ECD_Q

GC Column: (1): ZB-MR1

ID: 0.32 (mm)

GC Column:(2): ZB-MR2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
DBCP	1	5.95	5.90	6.00	0.92	0
	2	4.99	4.94	5.04	0.92	
EDB	1	2.60	2.55	2.65	1.40	0
	2	1.98	1.93	2.03	1.40	



QC SAMPLE DATA

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16
- 17
- 18

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	
Project:	NJ Waste Water PT	Date Received:	
Client Sample ID:	PB170012BL	SDG No.:	Q3015
Lab Sample ID:	PB170012BL	Matrix:	WATER
Analytical Method:	8011	% Solid:	0 Decanted:
Sample Wt/Vol:	35 Units: mL	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	VOCGC Group 1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PQ070956.D	1	10/07/25 08:30	10/07/25 12:48	PB170012

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
96-12-8	DBCP	0.010	U	0.010	0.025	ug/L
106-93-4	EDB	0.0077	U	0.0077	0.025	ug/L

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_Q\Data\PQ100725\
Data File : PQ070956.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Oct 2025 12:48
Operator : YP\AJ
Sample : PB170012BL
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
PB170012BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 07 12:57:03 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ100725-8011-504.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Oct 07 11:24:17 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB MR1 Signal #2 Phase: ZB MR2
Signal #1 Info : 30Mx0.32mmx 0.5µm Signal #2 Info : 30M x 0.32mm x 0.25µm

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

Target Compounds						

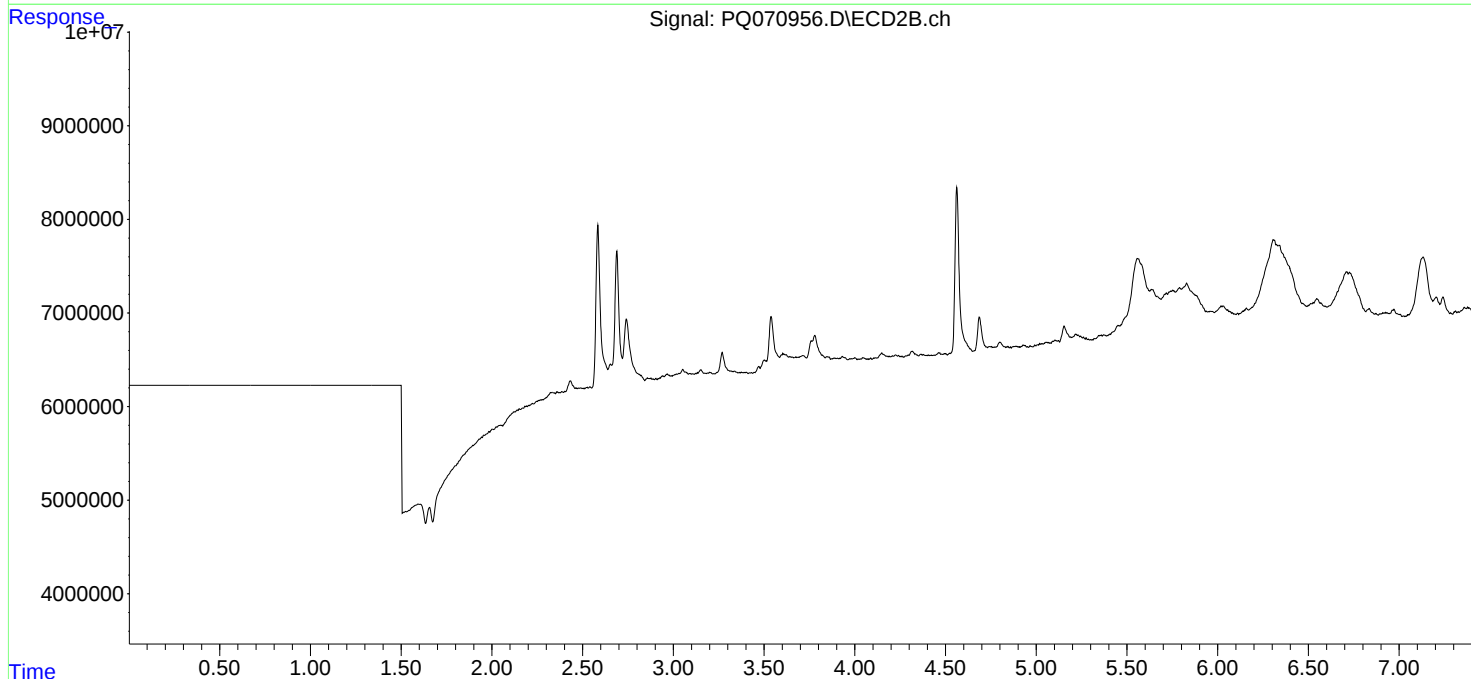
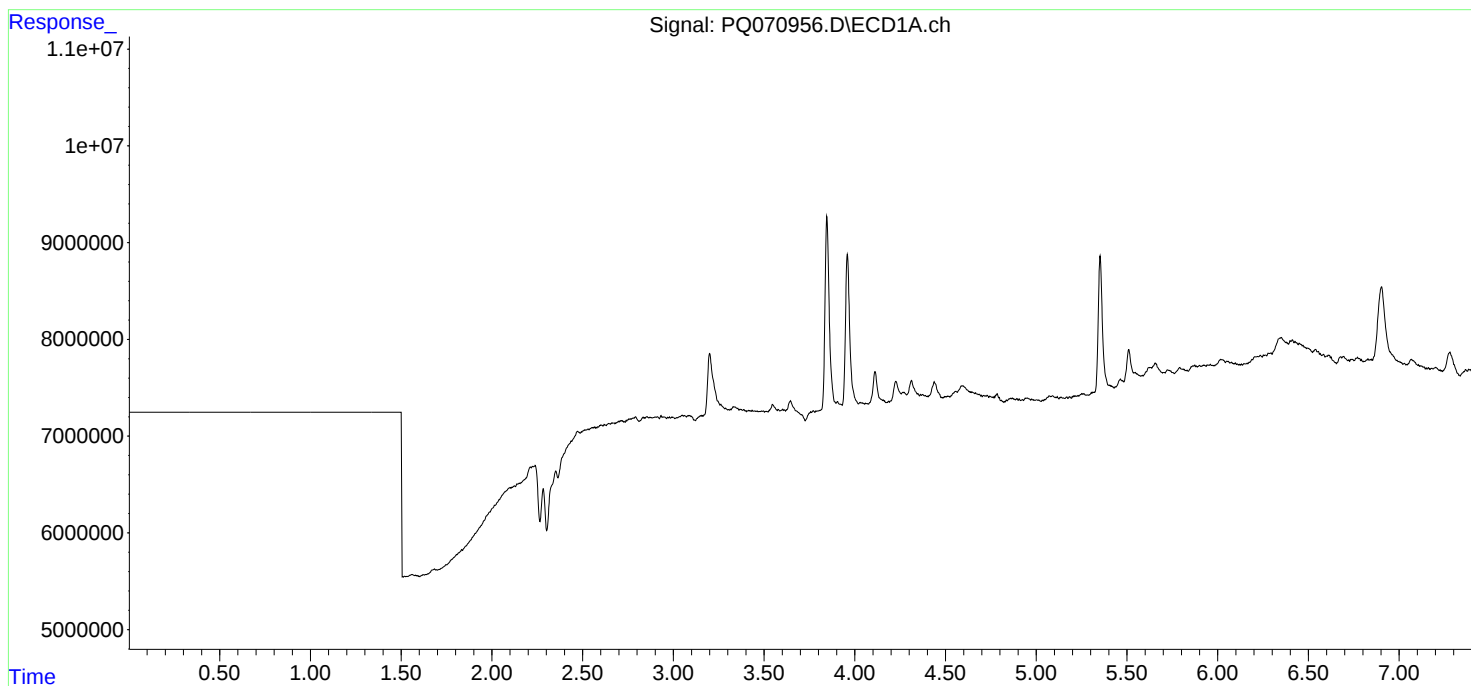
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ100725\
Data File : PQ070956.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Oct 2025 12:48
Operator : YP\AJ
Sample : PB170012BL
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
PB170012BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 07 12:57:03 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ100725-8011-504.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Oct 07 11:24:17 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB MR1 Signal #2 Phase: ZB MR2
Signal #1 Info : 30Mx0.32mmx 0.5µm Signal #2 Info : 30M x 0.32mm x 0.25µm



Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	
Project:	NJ Waste Water PT	Date Received:	
Client Sample ID:	PB170012BS	SDG No.:	Q3015
Lab Sample ID:	PB170012BS	Matrix:	WATER
Analytical Method:	8011	% Solid:	0 Decanted:
Sample Wt/Vol:	35 Units: mL	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	VOCGC Group 1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PQ070957.D	1	10/07/25 08:30	10/07/25 12:58	PB170012

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
96-12-8	DBCP	0.25		0.010	0.025	ug/L
106-93-4	EDB	0.26		0.0077	0.025	ug/L

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_Q\Data\PQ100725\
Data File : PQ070957.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Oct 2025 12:58
Operator : YP\AJ
Sample : PB170012BS
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
PB170012BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 07 13:17:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ100725-8011-504.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Oct 07 11:24:17 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB MR1 Signal #2 Phase: ZB MR2
Signal #1 Info : 30Mx0.32mmx 0.5µm Signal #2 Info : 30M x 0.32mm x 0.25µm

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

Target Compounds						
1) SA EDB	2.602	1.974	25715167	26993836	0.254	0.259
2) SA DBCP	5.951	4.983	67936230	71628842	0.254	0.246

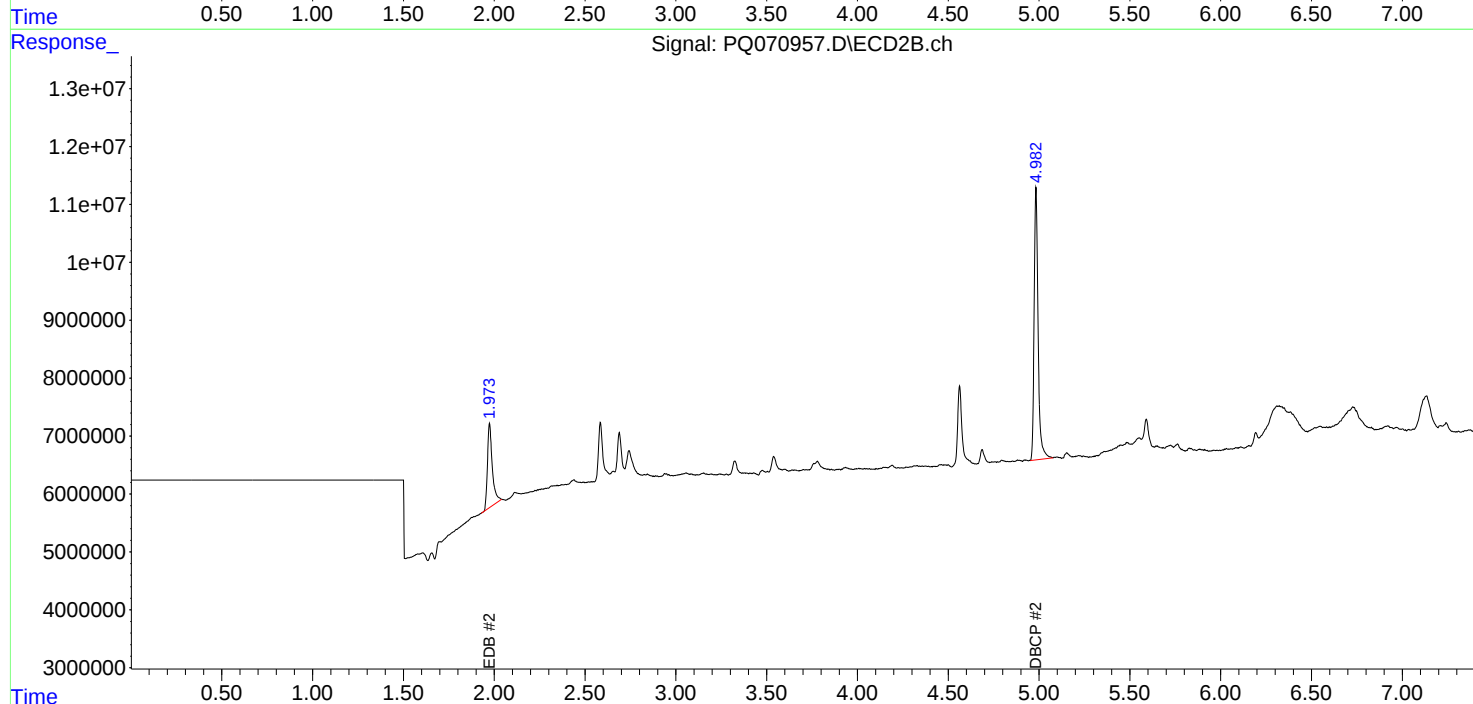
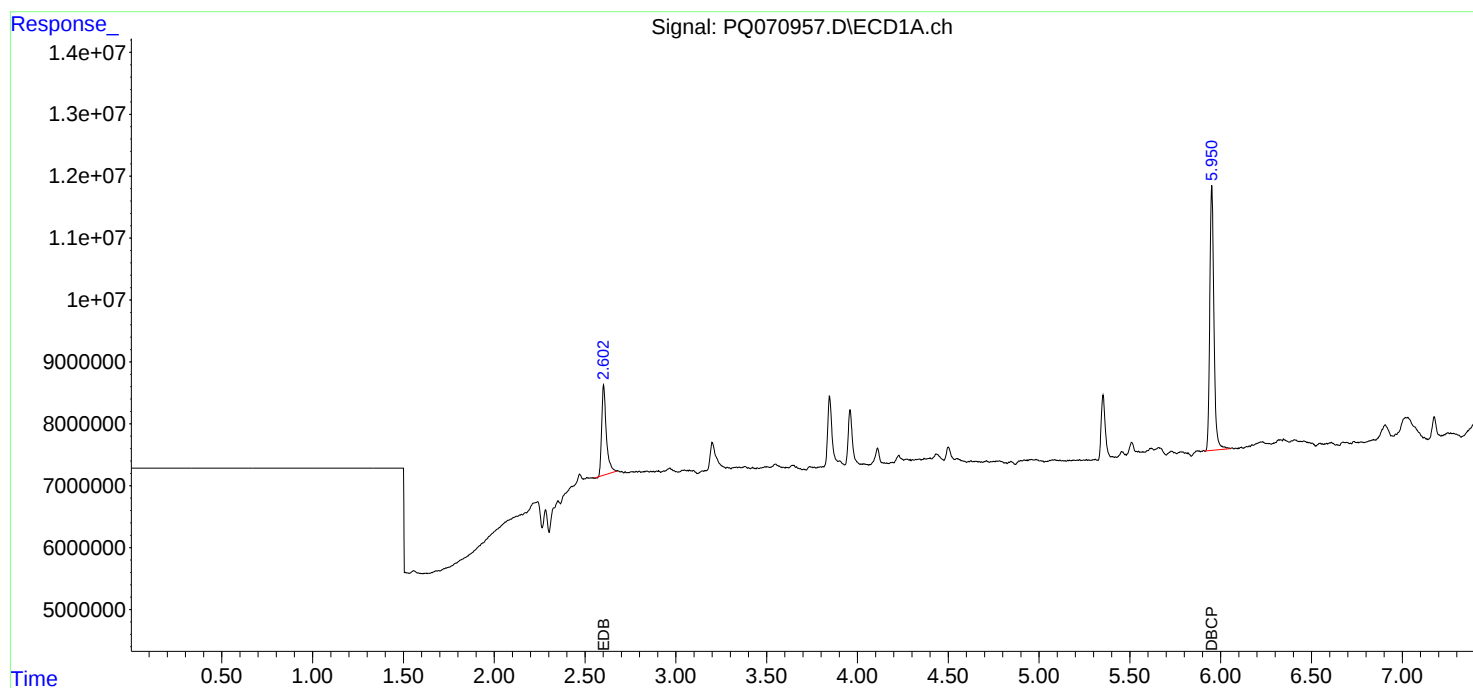
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ100725\
Data File : PQ070957.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Oct 2025 12:58
Operator : YP\AJ
Sample : PB170012BS
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
PB170012BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 07 13:17:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ100725-8011-504.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Oct 07 11:24:17 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB MR1 Signal #2 Phase: ZB MR2
Signal #1 Info : 30Mx0.32mmx 0.5µm Signal #2 Info : 30M x 0.32mm x 0.25µm



Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	
Project:	NJ Waste Water PT	Date Received:	
Client Sample ID:	PB170012BSD	SDG No.:	Q3015
Lab Sample ID:	PB170012BSD	Matrix:	WATER
Analytical Method:	8011	% Solid:	0 Decanted:
Sample Wt/Vol:	35 Units: mL	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	VOCGC Group 1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PQ070958.D	1	10/07/25 08:30	10/07/25 13:09	PB170012

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
96-12-8	DBCP	0.24		0.010	0.025	ug/L
106-93-4	EDB	0.26		0.0077	0.025	ug/L

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_Q\Data\PQ100725\
Data File : PQ070958.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Oct 2025 13:09
Operator : YP\AJ
Sample : PB170012BSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
PB170012BSD

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 07 13:17:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ100725-8011-504.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Oct 07 11:24:17 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB MR1 Signal #2 Phase: ZB MR2
Signal #1 Info : 30Mx0.32mmx 0.5µm Signal #2 Info : 30M x 0.32mm x 0.25µm

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

Target Compounds						
1) SA EDB	2.604	1.976	25995779	26226350	0.257	0.252
2) SA DBCP	5.951	4.984	64671575	70512861	0.242	0.242

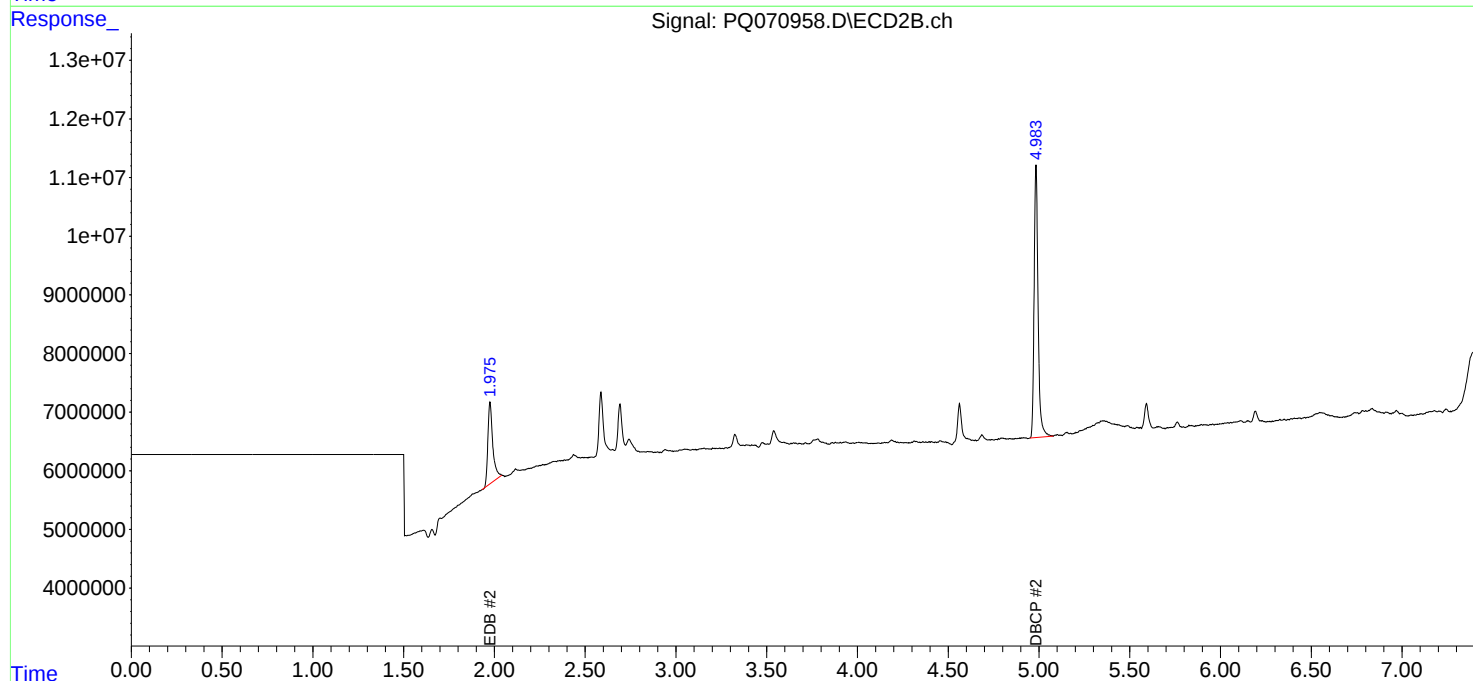
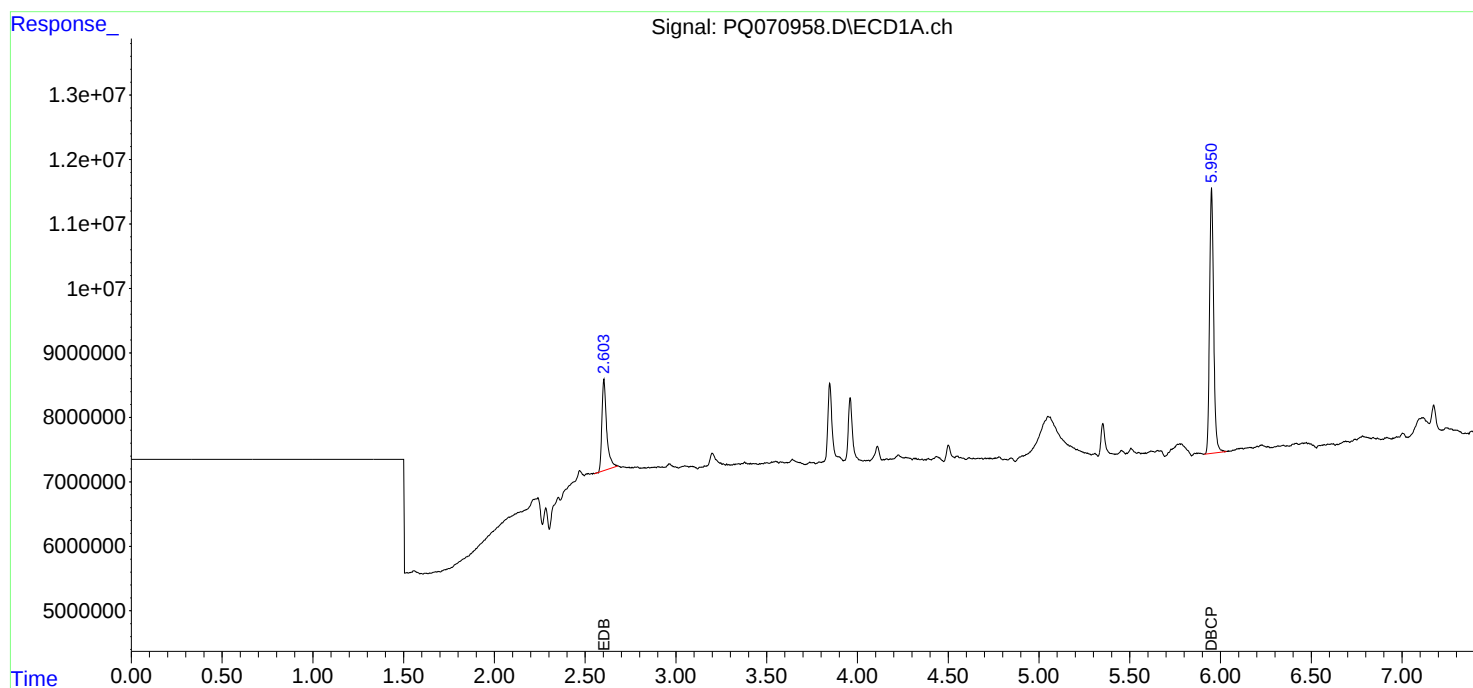
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ100725\
Data File : PQ070958.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Oct 2025 13:09
Operator : YP\AJ
Sample : PB170012BSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
PB170012BSD

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 07 13:17:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ100725-8011-504.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Oct 07 11:24:17 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB MR1 Signal #2 Phase: ZB MR2
Signal #1 Info : 30Mx0.32mmx 0.5µm Signal #2 Info : 30M x 0.32mm x 0.25µm



Manual Integration Report

Sequence:	PQ100725	Instrument	ECD_q
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
M8011.504.1 0.5 PPB ICC	PQ070947.D	DBCP #2	yogesh	10/7/2025 2:48:45 PM	mohammad	10/9/2025 1:41:11	Peak Integrated by Software
M8011.504.1 0.025 PPB ICC	PQ070951.D	DBCP	yogesh	10/7/2025 2:48:50 PM	mohammad	10/9/2025 1:41:11	Peak Integrated by Software
M8011.504.1 0.025 PPB ICC	PQ070951.D	DBCP #2	yogesh	10/7/2025 2:48:50 PM	mohammad	10/9/2025 1:41:11	Peak Integrated by Software
M8011.504.1 0.025 PPB ICC	PQ070951.D	EDB	yogesh	10/7/2025 2:48:50 PM	mohammad	10/9/2025 1:41:11	Peak Integrated by Software
M8011.504.1 0.025 PPB ICC	PQ070951.D	EDB #2	yogesh	10/7/2025 2:48:50 PM	mohammad	10/9/2025 1:41:11	Peak Integrated by Software
M8011.504.1 0.1 PPB ICV	PQ070952.D	EDB	yogesh	10/7/2025 2:48:48 PM	mohammad	10/9/2025 1:41:11	Peak Integrated by Software

Instrument ID: ECD_Q

Daily Analysis Runlog For Sequence/QC Batch ID # PQ100725

Review By	yogesh	Review On	10/7/2025 2:41:30 PM
Supervise By	mohammad	Supervise On	10/9/2025 1:41:11 AM
SubDirectory	PQ100725	HP Acquire Method	HP Processing Method PQ100725
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24970,PP24971,PP24972,PP24973,PP24974		
CCC Internal Standard/PEM	PP24976,PP24977		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24975		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PQ070946.D	07 Oct 2025 08:17	YP\AJ	Ok
2	M8011.504.1 0.5 PPB ICC	PQ070947.D	07 Oct 2025 08:57	YP\AJ	Ok,M
3	M8011.504.1 0.25 PPB ICC	PQ070948.D	07 Oct 2025 09:07	YP\AJ	Ok
4	M8011.504.1 0.1 PPB ICC	PQ070949.D	07 Oct 2025 10:30	YP\AJ	Ok
5	M8011.504.1 0.05 PPB ICC	PQ070950.D	07 Oct 2025 10:43	YP\AJ	Ok
6	M8011.504.1 0.025 PPB ICC	PQ070951.D	07 Oct 2025 11:09	YP\AJ	Ok,M
7	M8011.504.1 0.1 PPB ICV	PQ070952.D	07 Oct 2025 11:29	YP\AJ	Ok,M
8	RT CHECK	PQ070953.D	07 Oct 2025 12:19	YP\AJ	Ok
9	M8011.504.1 0.1 PPB CCC	PQ070954.D	07 Oct 2025 12:29	YP\AJ	Ok
10	Low-Level LFB-MDL Check	PQ070955.D	07 Oct 2025 12:38	YP\AJ	Ok,M
11	PB170012BL	PQ070956.D	07 Oct 2025 12:48	YP\AJ	Ok
12	PB170012BS	PQ070957.D	07 Oct 2025 12:58	YP\AJ	Ok
13	PB170012BSD	PQ070958.D	07 Oct 2025 13:09	YP\AJ	Ok
14	Q3015-20	PQ070959.D	07 Oct 2025 13:18	YP\AJ	Dilution
15	Q3015-20DL	PQ070960.D	07 Oct 2025 13:47	YP\AJ	Ok
16	M8011.504.1 0.1 PPB CCC	PQ070961.D	07 Oct 2025 13:57	YP\AJ	Ok
17	Q2893-07	PQ070962.D	07 Oct 2025 14:07	YP\AJ	Ok,M
18	Q2893-08	PQ070963.D	07 Oct 2025 14:21	YP\AJ	Ok,M
19	M8011.504.1 0.1 PPB CCC	PQ070964.D	07 Oct 2025 14:31	YP\AJ	Ok

M : Manual Integration

Instrument ID: ECD_Q

Daily Analysis Runlog For Sequence/QC Batch ID # PQ100725

Review By	yogesh	Review On	10/7/2025 2:41:30 PM
Supervise By	mohammad	Supervise On	10/9/2025 1:41:11 AM
SubDirectory	PQ100725	HP Acquire Method	HP Processing Method PQ100725

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	PP24970,PP24971,PP24972,PP24973,PP24974
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24976,PP24977 PP24975

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PQ070946.D	07 Oct 2025 08:17		YPIAJ	Ok
2	M8011.504.1 0.5 PPB I	M8011.504.1 0.5 PPB I	PQ070947.D	07 Oct 2025 08:57		YPIAJ	Ok,M
3	M8011.504.1 0.25 PPB	M8011.504.1 0.25 PPB	PQ070948.D	07 Oct 2025 09:07		YPIAJ	Ok
4	M8011.504.1 0.1 PPB I	M8011.504.1 0.1 PPB I	PQ070949.D	07 Oct 2025 10:30		YPIAJ	Ok
5	M8011.504.1 0.05 PPB	M8011.504.1 0.05 PPB	PQ070950.D	07 Oct 2025 10:43		YPIAJ	Ok
6	M8011.504.1 0.025 PPB	M8011.504.1 0.025 PPB	PQ070951.D	07 Oct 2025 11:09		YPIAJ	Ok,M
7	M8011.504.1 0.1 PPB I	ICVPQ100725	PQ070952.D	07 Oct 2025 11:29		YPIAJ	Ok,M
8	RT CHECK	RT CHECK	PQ070953.D	07 Oct 2025 12:19		YPIAJ	Ok
9	M8011.504.1 0.1 PPB C	M8011.504.1 0.1 PPB C	PQ070954.D	07 Oct 2025 12:29		YPIAJ	Ok
10	Low-Level LFB-MDL Ch	Low-Level LFB-MDL Ch	PQ070955.D	07 Oct 2025 12:38		YPIAJ	Ok,M
11	PB170012BL	PB170012BL	PQ070956.D	07 Oct 2025 12:48		YPIAJ	Ok
12	PB170012BS	PB170012BS	PQ070957.D	07 Oct 2025 12:58		YPIAJ	Ok
13	PB170012BSD	PB170012BSD	PQ070958.D	07 Oct 2025 13:09		YPIAJ	Ok
14	Q3015-20	WP0925-RR-8011-WP	PQ070959.D	07 Oct 2025 13:18	Need 4X	YPIAJ	Dilution
15	Q3015-20DL	WP0925-RR-8011-WP	PQ070960.D	07 Oct 2025 13:47		YPIAJ	Ok
16	M8011.504.1 0.1 PPB C	M8011.504.1 0.1 PPB C	PQ070961.D	07 Oct 2025 13:57		YPIAJ	Ok
17	Q2893-07	LOD-MDL-WATER-01-C	PQ070962.D	07 Oct 2025 14:07		YPIAJ	Ok,M
18	Q2893-08	LOQ-WATER-02-QT3-2	PQ070963.D	07 Oct 2025 14:21		YPIAJ	Ok,M

Instrument ID: ECD_Q

Daily Analysis Runlog For Sequence/QC Batch ID # PQ100725

Review By	yogesh	Review On	10/7/2025 2:41:30 PM
Supervise By	mohammad	Supervise On	10/9/2025 1:41:11 AM
SubDirectory	PQ100725	HP Acquire Method	HP Processing Method PQ100725
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24970,PP24971,PP24972,PP24973,PP24974		
CCC	PP24976,PP24977		
Internal Standard/PEM			
ICV/I.BLK	PP24975		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			
19	M8011.504.1 0.1 PPB CM	M8011.504.1 0.1 PPB C	PQ070964.D 07 Oct 2025 14:31 YP\AJ Ok

M : Manual Integration

SOP ID: M504.1-8011-EDB&DBCP by G-10

Clean Up SOP #: N/A **Extraction Start Date :** 10/07/2025

Matrix : Water **Extraction Start Time :** 08:30

Weigh By: N/A **Extraction By:** YP **Extraction End Date :** 10/07/2025

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

Balance ID: VOA-SC-1 **pH Meter ID:** N/A **Concentration By:** YP

pH Strip Lot#: N/A **Hood ID:** N/A **Supervisor By :** mohammad

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

Micro Extraction

Standard Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
LOD	N/A	N/A	PP24983
LOQ	N/A	N/A	PP24984
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
Baked NaCL	7	M4459
Hexane	2 ML	E3974
DI WATER	35 ML	W3112
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
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

N/A

KD Bath ID: N/A **Envap ID:** N/A

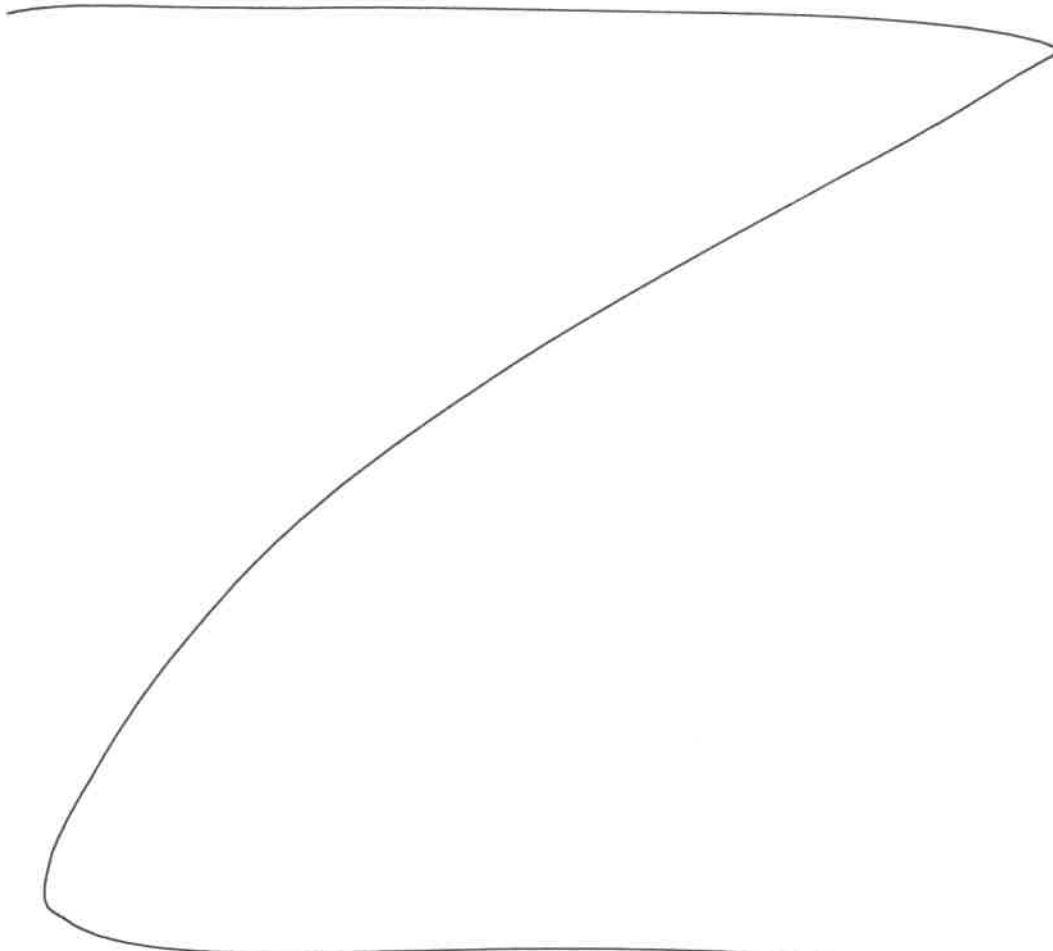
KD Bath Temperature: N/A **Envap Temperature:** N/A

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
10/07/25 09:35	Y-P. PestIPCB Lab	Y-P. PestIPCB Lab
	Preparation Group	Analysis Group

Analytical Method: M504.1-8011-EDB&DBCP by G-10

Concentration Date: 10/07/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB170012BL	PB170012BL	VOCGC Group 1	35	N/A	yogesh	mohammad	2		PP24985	
PB170012BS	PB170012BS	VOCGC Group 1	35	N/A	yogesh	mohammad	2		PP24981	
PB170012BSD	PB170012BSD	VOCGC Group 1	35	N/A	yogesh	mohammad	2		PP24982	
Q2893-07	LOD-MDL-WATER-01-QT3-2025	VOCGC Group 1	35	N/A	yogesh	mohammad	2		PP24983	
Q2893-08	LOQ-WATER-02-QT3-2025	VOCGC Group 1	35	N/A	yogesh	mohammad	2		PP24984	
Q3015-20	WP0925-RR-8011-WP	VOCGC Group 1	35	N/A	yogesh	mohammad	2			



Y. P.
10/07/25

* Extracts relinquished on the same date as received.

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q3015

WorkList ID : 192328

Department : Extraction

Date : 10-07-2025 08:10:27

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2893-07	LOD-MDL-WATER-01-QT3-202	Water	VOCGC Group 1	NONE	ALLI03	VOA L	08/18/2025	8011
Q2893-08	LOQ-WATER-02-QT3-2025	Water	VOCGC Group 1	NONE	ALLI03	VOA L	08/18/2025	8011
Q3015-20	WP0925-RR-8011-WP	Water	VOCGC Group 1	NONE	ALLI03	VOA L	09/02/2025	8011

Date/Time 10/07/25 08:10

Raw Sample Received by: Y.P.

Raw Sample Relinquished by: Z

Q3015-VOCGC Group 1

Y.P. 110/07/25

Date/Time _____

Raw Sample Received by: _____

Raw Sample Relinquished by: _____

Z
Y.P. 110/07/25

Prep Standard - Chemical Standard Summary

Order ID : Q3015
Test : VOCGC Group 1

Prepbatch ID : PB170012,
Sequence ID/Qc Batch ID: PQ100725,

Standard ID :
PP24775,PP24777,PP24778,PP24779,PP24970,PP24971,PP24972,PP24973,PP24974,PP24975,PP24976,PP24977,
PP24983,PP24984,

Chemical ID :
E3974,M4459,P12214,P13235,P13891,V14625,W3112,

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>
2263	EDB-DBCP 2 PPM Stock Solution	PP24775	08/05/2025	01/29/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 0.01000ml of P13235 + 0.01000ml of P13891 + 9.98000ml of V14625 = 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>
2517	EDB-DBCP 100 PPB Working Solution	PP24777	08/05/2025	01/29/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 9.50000ml of V14625 + 0.50000ml of PP24775 = Final Quantity: 10.000 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>
2264	EDB-DBCP 2 PPM Stock Solution 2nd Source	PP24778	08/05/2025	01/29/2026	Yogesh Patel	None	None	Abdul Mirza 08/19/2025

FROM 0.10000ml of P12214 + 9.90000ml of V14625 = 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>
2518	EDB-DBCP 100 PPB Working Sol. 2nd Source	PP24779	08/05/2025	01/29/2026	Yogesh Patel	None	None	Abdul Mirza 08/19/2025

FROM 9.50000ml of V14625 + 0.50000ml of PP24778 = Final Quantity: 10.000 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>
2269	M8011-504.1 0.5 PPB STD	PP24970	10/07/2025	01/29/2026	Yogesh Patel	None	None	Abdul Mirza
								10/10/2025

FROM 35.00000ml of W3112 + 0.17500ml of PP24777 = Final Quantity: 35.000 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>
2270	M8011-504.1 0.25 PPB STD	PP24971	10/07/2025	01/29/2026	Yogesh Patel	None	None	Abdul Mirza
								10/10/2025

FROM 35.00000ml of W3112 + 0.08750ml of PP24777 = Final Quantity: 35.000 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>
2271	M8011-504.1 0.1 PPB STD	PP24972	10/07/2025	01/29/2026	Yogesh Patel	None	None	Abdul Mirza
								10/10/2025

FROM 35.00000ml of W3112 + 0.03500ml of PP24777 = Final Quantity: 35.000 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>
2272	M8011-504.1 0.05 PPB STD	PP24973	10/07/2025	01/29/2026	Yogesh Patel	None	None	Abdul Mirza
								10/10/2025

FROM 35.00000ml of W3112 + 0.01750ml of PP24777 = Final Quantity: 35.000 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>
2273	M8011-504.1 0.025 PPB STD	PP24974	10/07/2025	01/29/2026	Yogesh Patel	None	None	Abdul Mirza
								10/10/2025

FROM 35.00000ml of W3112 + 0.00880ml of PP24777 = Final Quantity: 35.000 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>
2274	M8011-504.1 0.1 PPB ICV STD	PP24975	10/07/2025	01/29/2026	Yogesh Patel	None	None	Abdul Mirza
								10/10/2025

FROM 35.00000ml of W3112 + 0.03500ml of PP24779 = Final Quantity: 35.000 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>
2519	M8011-504.1 0.1 PPB CCC	PP24976	10/07/2025	01/29/2026	Yogesh Patel	None	None	Abdul Mirza
								10/10/2025

FROM 35.00000ml of W3112 + 0.03500ml of PP24777 = Final Quantity: 35.000 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>
2519	M8011-504.1 0.1 PPB CCC	PP24977	10/07/2025	01/29/2026	Yogesh Patel	None	None	Abdul Mirza
								10/10/2025

FROM 35.00000ml of W3112 + 0.03500ml of PP24777 = Final Quantity: 35.000 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>
3653	M8011-504.1 LOD 0.025 PPB	PP24983	10/07/2025	01/29/2026	Yogesh Patel	None	None	Abdul Mirza
								10/10/2025

FROM 35.00000ml of W3112 + 0.00880ml of PP24777 = Final Quantity: 35.000 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>
3759	M8011-504.1 LOQ 0.025 PPB	PP24984	10/07/2025	01/29/2026	Yogesh Patel	None	None	Abdul Mirza
								10/10/2025

FROM 35.00000ml of W3112 + 0.00880ml of PP24777 = Final Quantity: 35.000 ml

CHEMICAL RECEIPT LOG BOOK

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

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-3624-05 / Sodium Chloride, Crystal (cs/4x2.5kg)	0000237721	04/13/2026	10/03/2022 / Ankita	10/30/2019 / AMANDEEP	M4459

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30239 / 504.1 Calibration Mix (3 components)	A0170154	01/29/2026	07/30/2024 / Ankita	11/28/2022 / Ankita	P12214

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30272 / 1,2-Dibromoethane Standard, 2000 ug/ml	A0183330	03/31/2027	08/05/2025 / yogesh	02/02/2024 / Ankita	P13235

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30270 / 1,2-Dibromo-3-Chloropropane Standard, 2,000 ug/ml	A0217030	02/05/2026	08/05/2025 / yogesh	02/03/2025 / Ankita	P13891

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	23I0762004	01/29/2026	07/29/2025 / SAM	11/26/2024 / SAM	V14625

CHEMICAL RECEIPT LOG BOOK

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

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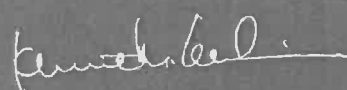
Material No.: 9077-02
Batch No.: 23I0762004
Manufactured Date: 2023-08-11
Expiration Date: 2026-08-10
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH ₃ OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.5 ppm
Titration Acid (μeq/g)	≤ 0.3	0.2
Titration Base (μeq/g)	≤ 0.10	0.01
Water (by KF, coulometric)	≤ 0.08 %	< 0.01 %
Volatile Organic Trace Analysis – Below EPA 8260B CRQL	Conforms	Conforms

For Laboratory, Research, or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

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



Ken Koehnlein
Sr. Manager, Quality Assurance

Sodium Chloride, Crystal
BAKER ANALYZED® A.C.S. Reagent

avantor™



From M4452 to M4459

Received on : 10/30/2019

Received by : AK

Material No.: 3624-05

Batch No.: 0000237721

Manufactured Date: 2019/04/15

Retest Date: 2026/04/13

Revision No: 1

Certificate of Analysis

Meets ACS Reagent Chemical Requirements,

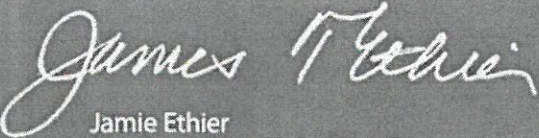
Test	Specification	Result
Assay (NaCl) (by Ag titrn)	$\geq 99.0 \%$	100.3
pH of 5% Solution at 25°C	5.0 - 9.0	6.0
ACS - Insoluble Matter	$\leq 0.005 \%$	< 0.001
Iodide (I)	$\leq 0.002 \%$	< 0.002
Bromide (Br)	$\leq 0.01 \%$	< 0.01
Chlorate and Nitrate (as NO_3)	$\leq 0.003 \%$	< 0.001
ACS - Phosphate (PO_4)	$\leq 5 \text{ ppm}$	< 5
Sulfate (SO_4)	$\leq 0.004 \%$	< 0.004
Barium (Ba)	Passes Test	PT
ACS - Heavy Metals (as Pb)	$\leq 5 \text{ ppm}$	< 5
Iron (Fe)	$\leq 2 \text{ ppm}$	< 2
Calcium (Ca)	$\leq 0.002 \%$	< 0.001
Magnesium (Mg)	$\leq 0.001 \%$	< 0.001
Potassium (K)	$\leq 0.005 \%$	0.002

For Laboratory, Research or Manufacturing Use

Meets Reagent Specifications for testing USP/NF monographs

Country of Origin: US

Packaging Site: Paris Mfg Ctr & DC


Jamie Ethier
Vice President Global Quality

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

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



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

Certificate of Analysis

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

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

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

E 3974

Jamie Croak
Director Quality Operations, Bioscience Production

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



CERTIFIED REFERENCE MATERIAL

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

www.restek.com

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. : 30272 Lot No.: A0183330
Description : 1,2-Dibromoethane Standard
1,2-Dibromoethane 2000µg/mL, P&T Methanol, 1mL/ampul
Container Size : 2 mL Pkg Amt: > 1 mL
Expiration Date : March 31, 2027 Storage: 0°C or colder
Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)
1	1,2-Dibromoethane (EDB) CAS # 106-93-4 Purity 99% (Lot BCBZ7221)	2,016.0 µg/mL	+/- 18.7477 µg/mL Gravimetric +/- 113.9782 µg/mL Unstressed +/- 116.6017 µg/mL Stressed

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

P13233
↓
P13237

AJ
02/02/24

Column:

105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:

hydrogen-constant pressure 11.0 psi.

Temp. Program:

40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:

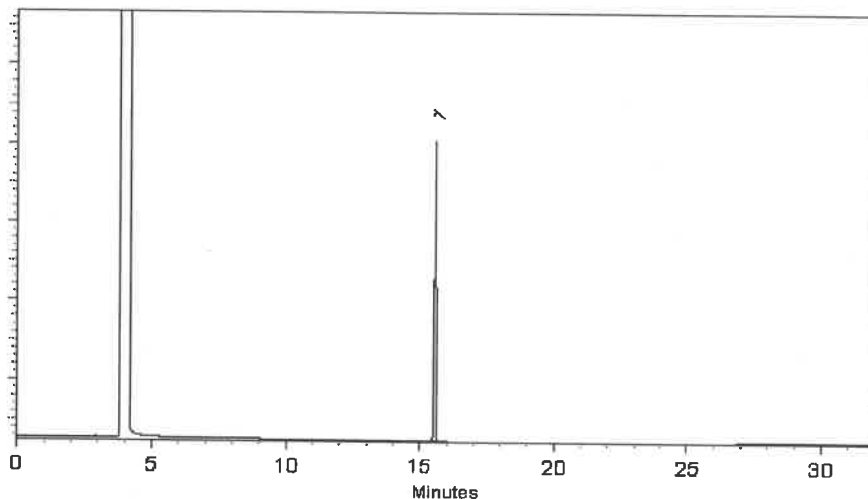
200°C

Det. Temp:

250°C

Det. Type:

FID



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


Jess Hoy - Operations Tech I

Date Mixed: 25-Mar-2022

Balance: 1127510105


Amanda Miller - Operations Tech-ARM GC

Date Passed: 30-Mar-2022

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



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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 30270 **Lot No.:** A0217030
Description : 1,2-Dibromo-3-chloropropane Standard
1,2-Dibromo-3-Chloropropane 2000µg/mL, P&T Methanol, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : September 30, 2029 **Storage:** 0°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	1,2-Dibromo-3-chloropropane	96-12-8	FBL01	98%	2,018.8 µg/mL	+/- 114.3500

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

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

P13890



P13892

AJ

02/03/2025

Quality Confirmation Test

Column:

105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:

hydrogen-constant pressure 11.0 psi.

Temp. Program:

40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:

200°C

Det. Temp:

250°C

Det. Type:

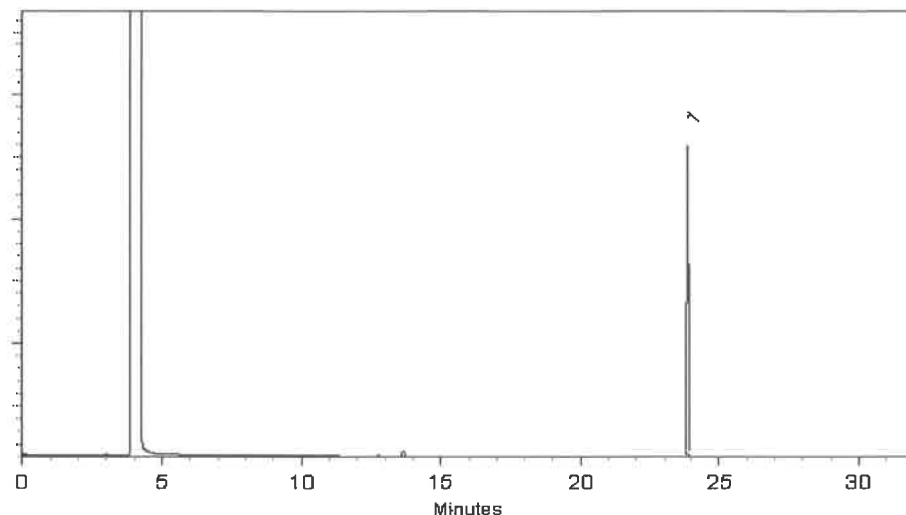
FID

Split Vent:

40 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.

Russ Bookhamer - Operations Technician I

Date Mixed: 25-Sep-2024

Balance Serial # 1121472889

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 27-Sep-2024

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



SHIPPING DOCUMENTS

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Packing List

6390 Joyce Dr., #100
Golden, CO 80403

Tel: +1-303-940-0033
Fax: +1-303-940-0043
info@phenova.com
www.phenova.com

For terms and conditions of your order, please visit:
www.phenova.com/home/termsandsale

Date	Order #
09/02/2025	333290



Ship To

Alliance Tech Group - Newark
ATTN: Sohil Jodhani
284 Sheffield St., #1
Mountainside, NJ 07092
USA

Received by: *ST* 9/4/2025
9:25

Customer PO #	Terms	PT Acct #	Customer #	Ship Via	F.O.B.
PO2-3159	Net 30	ZCM-100	1500470	FedEx 2nd Day	Golden, CO

Qty Ordered	Qty Shipped	Qty Backorder	Part Number	Part Description	Study Number	Lot Number
			PT-TMSET-WP	WP Trace Metals Set : (TM1, HG and SNTI)		
1	1	0	PT-TM1-WP	WP Trace Metals 1	WP0925	8270-04
1	1	0	PT-HG-WP	WP Mercury	WP0925	8270-05
1	1	0	PT-SNTI-WP	WP Tin & Titanium	WP0925	8270-38
1	1	0	PT-CR6-WP	WP Hexavalent Chromium	WP0925	8270-06
1	1	0	PT-DEM-WP	WP Demand	WP0925	8270-07
			PT-MINSET-WP	WP Minerals Set : (MIN1, MIN2 and COND)		
1	1	0	PT-MIN1-WP	WP Minerals 1 Only	WP0925	8270-08
1	1	0	PT-MIN2-WP	WP Minerals 2 Only	WP0925	8270-102
1	1	0	PT-COND-WP	WP Conductivity Only	WP0925	8270-72
1	1	0	PT-COND-WP	WP Conductivity Only	WP0925	8270-72
1	1	0	PT-SOL-WP	WP Solids	WP0925	8270-09
			PT-NUTSET-WP	WP Nutrients Set : (NUT1, NUT2 and NUT3)		
1	1	0	PT-NUT1-WP	WP NUT1 Simple Nutrients Only	WP0925	8270-10
1	1	0	PT-NUT2-WP	WP NUT2 - Complex Nutrients	WP0925	8270-11
1	1	0	PT-NUT3-WP	WP NUT3 - Nitrite Only	WP0925	8270-69
1	1	0	PT-OGR1L-WP	WP Oil and Grease 1L	WP0925	8270-103
1	1	0	PT-CL-WP	WP Residual Chlorine	WP0925	8270-13
1	1	0	PT-PH-WP	WP pH	WP0925	8270-15
1	1	0	PT-CN-WP	WP Cyanide	WP0925	8270-14

6390 Joyce Dr., #100
Golden, CO 80403

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www.phenova.com

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Date	Order #
09/02/2025	333290



Ship To

Alliance Tech Group - Newark
ATTN: Sohil Jodhani
284 Sheffield St., #1
Mountainside, NJ 07092
USA

*Received by: SJ
9/4/2025
9:25*

Customer PO #	Terms	PT Acct #	Customer #	Ship Via	F.O.B.
PO2-3159	Net 30	ZCM-100	1500470	FedEx 2nd Day	Golden, CO

Qty Ordered	Qty Shipped	Qty Backorder	Part Number	Part Description	Study Number	Lot Number
1	1	0	PT-PHEN-WP	WP Phenolics	WP0925	8270-16
1	1	0	PT-S2-WP	WP Sulfide	WP0925	8270-22
1	1	0	PT-SSOL-WP	WP Settleable Solids	WP0925	8270-17
1	1	0	PT-VSOL-WP	WP Volatile Solids	WP0925	8270-18
1	1	0	PT-TURB-WP	WP Turbidity	WP0925	8270-20
1	1	0	PT-SIO2-WP	WP Silica	WP0925	8270-21
1	1	0	PT-COL-WP	WP Color	WP0925	8270-51
1	1	0	PT-VOA-WP	WP Volatiles	WP0925	8270-26
1	1	0	PT-BN-WP	WP Base Neutrals	WP0925	8270-27
1	1	0	PT-ACIDS-WP	WP Acids	WP0925	8270-28
1	1	0	PT-PEST-WP	WP Pesticides	WP0925	8270-29
1	1	0	PT-CHLR-WP	WP Chlordane	WP0925	8270-30
1	1	0	PT-TXP-WP	WP Toxaphene	WP0925	8270-31
1	1	0	PT-PCBW-WP	WP PCBs in Water	WP0925	8270-32
1	1	0	PT-HERB-WP	WP Herbicides	WP0925	8270-36
1	1	0	RR-TPH1L-WP	WP TPH 1L	R41815	R41815-104
1	1	0	RR-PAH-WP	WP PAH-Low Level	R41815	R41815-37
1	1	0	RR-GAS-WP	WP Gasoline Range Organics	R41815	R41815-62
1	1	0	RR-DIES-WP	WP Diesel Range Organics	R41815	R41815-63
1	1	0	RR-8011-WP	WP EDB/DBCP/TCP	R41815	R41815-98

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Packing List

Date	Order #
09/05/2025	340092



Ship To

Alliance Tech Group - Newark
ATTN: Sohil Jodhani
284 Sheffield St., #1
Mountainside, NJ 07092
USA

Received by: SJ

9/9/2025 12:20

Customer PO #	Terms	PT Acct #	Customer #	Ship Via	F.O.B.
PO2-3159	Net 30	ZCM-100	1500470	FedEx 2nd Day	Golden, CO

Qty Ordered	Qty Shipped	Qty Backorder	Part Number	Part Description	Study Number	Lot Number
1	1	0	RR-TRIAZINE-WP	WP Triazine Pesticides	R41854	R41854-108

Laboratory Certification

Certified By	License No.
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255425
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	TX-C25-00189
Virginia	460312