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

DATA PACKAGE

GENERAL CHEMISTRY
METALS
GC SEMI-VOLATILES
SEMI-VOLATILE ORGANICS
VOLATILE ORGANICS

PROJECT NAME : 190 PARK AVE HANOVER TWP NJ - PO 3556-001

UNION PAVING & CONSTRUCTION COMPANY

1140 Globe Avenue

Mountainside, NJ - 07092

Phone No: 908-232-4100

ORDER ID : Q2393

ATTENTION : Gerard Busacco

Laboratory Certification ID # 20012

Alliance TECHNICAL GROUP

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Cover Page

Order ID : Q2393

Project ID : 190 Park Ave Hanover Twp NJ - PO 3556-001

Client : Union Paving & Construction Company

Lab Sample Number	Client Sample Number
Q2393-01	PARK AVE -1
Q2393-02	PARK AVE -1
Q2393-03	PARK AVE -2
Q2393-04	PARK AVE -2
Q2393-05	PARK AVE -3
Q2393-06	PARK AVE -3
Q2393-07	PARK AVE -4
Q2393-08	PARK AVE -4
Q2393-09	PARK AVE -5
Q2393-10	PARK AVE -5
Q2393-11	PARK AVE -6
Q2393-12	PARK AVE -6

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 : APPROVED
By Nimisha Pandya, QA/QC Supervisor at 9:06 am, Jul 08, 2025

Date: 7/8/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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Phone: 908 789 8900 Fax: 908 789 8922

CASE NARRATIVE

Union Paving & Construction Company
Project Name: 190 Park Ave Hanover Twp NJ - PO 3556-001
Project # N/A
Order ID # Q2393
Test Name: VOC-TCLVOA-10

A. Number of Samples and Date of Receipt:
12 Solid samples were received on 06/23/2025.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Cyanide, Mercury, Metals ICP-TAL, PCB, Pesticide-TCL, pH, SVOC-TCL BNA -20 and VOC-TCLVOA-10. This data package contains results for VOC-TCLVOA-10.

C. Analytical Techniques:
The analysis performed on instrument MSVOA_Y were done using GC column Rxi-624SIL MS 30m, 0.25mm, 1.4 um, Cat. #13868.The analysis of VOC-TCLVOA-10 was based on method 8260D.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria.
The Internal Standards Areas met the acceptable requirements.
The Retention Times were acceptable for all samples.

The RPD met criteria.
The Blank Spike met requirements for all samples.
The Blank Spike Duplicate met requirements for all samples.
The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements.
The Continuous Calibration met the requirements.
The Tuning criteria met requirements.

E. Additional Comments:
Samples for MS/MSD for VOC analysis were not provided with this set of samples. The Blank Spike Duplicate is reported with the data.

Trip Blank was not provided with this set of samples.

The soil samples results are based on a dry weight basis.

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Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <20% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 20% for the Initial Calibration curve for SW-846 analysis.

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 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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CASE NARRATIVE

Union Paving & Construction Company
Project Name: 190 Park Ave Hanover Twp NJ - PO 3556-001
Project # N/A
Order ID # Q2393
Test Name: SVOC-TCL BNA -20

A. Number of Samples and Date of Receipt:
12 Solid samples were received on 06/23/2025.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Cyanide, Mercury, Metals ICP-TAL, PCB, Pesticide-TCL, pH, SVOC-TCL BNA -20 and VOC-TCLVOA-10. This data package contains results for SVOC-TCL BNA -20.

C. Analytical Techniques:
The samples were analyzed on instrument BNA_F using GC Column DB-UI 8270D which is 20 meters, 0.18 mm ID, 0.36 um dfThe analysis of SVOC-TCL BNA -20 was based on method 8270E and extraction was done based on method 3541.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria.
The Internal Standards Areas met the acceptable requirements.
The Retention Times were acceptable for all samples.
The MS recoveries met the requirements for all compounds .
The MSD recoveries met the acceptable requirements .
The RPD met criteria .

The Blank Spike for {PB168601BS} with File ID: BF142839.D met requirements for all samples except for 3,3-Dichlorobenzidine[39%] is marginally Low and Butylbenzylphthalate[106%] is marginally Failling high but no positive hit in associate samples therefore no corrective action taken.

The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the Requirements.

The Continuous Calibration File ID BF142834.D met the requirements except for Benzaldehyde,Bis(2-ethylhexyl)phthalate,Butylbenzylphthalate,Di-n-butylphthalate and Di-n-octyl phthalate,are failing high but no positive hit in associate sample therefore no corrective action taken.

The Tuning criteria met requirements.

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E. Additional Comments:
The Form 6 is not included in the data package because the Initial Calibration was performed using 7 points.

The soil samples results are based on a dry weight basis.
Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <20% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 20% for the Initial Calibration curve for SW-846 analysis.

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 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_____ APPROVED
By Nimisha Pandya, QA/QC Supervisor at 9:07 am, Jul 08, 2025

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CASE NARRATIVE

Union Paving & Construction Company
Project Name: 190 Park Ave Hanover Twp NJ - PO 3556-001
Project # N/A
Order ID # Q2393
Test Name: Pesticide-TCL

A. Number of Samples and Date of Receipt:
12 Solid samples were received on 06/23/2025.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Cyanide, Mercury, Metals ICP-TAL, PCB, Pesticide-TCL, pH, SVOC-TCL BNA -20 and VOC-TCLVOA-10. This data package contains results for Pesticide-TCL.

C. Analytical Techniques:
The analysis was performed on instrument ECD_D. The front column is ZB-MR1 which is 30 meters, 0.32 mm ID, 0. 5 um df,: Catalog # 7HM-G016-17. The rear column is ZB-MR2 which is 30 meters, 0.32 mm ID, 0.25 um df, Catalog #: 7HMG017- 11.The analysis of Pesticide-TCLs was based on method 8081B and extraction was done based on method 3541.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria.
The Retention Times were acceptable for all samples.
The MS recoveries met the requirements for all compounds .
The MSD recoveries met the acceptable requirements.
The RPD met criteria .
The Blank Spike met requirements for all samples .
The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements .

The Continuous Calibration File ID PD089155.D met the requirements except for Methoxychlor is failing in 1st column however 2nd column is passing for that therefore no corrective action taken.

E. Additional Comments:
The Sample #PARK AVE -4, PARK AVE -5 have the concentration of target compound below Method detection limits, therefore it is not reported as Hit in Form1.

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Sample# PARK AVE -4 was reported with J flag on form 1 for com# 4,4'-DDE based on reporting criteria of high concentration from both column. Now for other column compound detection is below MDL therefore it is not detecting on form 10.

Sample# PARK AVE -6 was reported with J flag on form 1 for com#4,4'-DDT based on reporting criteria of high concentration from both column. Now for other column compound detection is below MDL therefore it is not detecting on form 10

The soil samples results are based on a dry weight basis.

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 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 APPROVED
By Nimisha Pandya, QA/QC Supervisor at 9:07 am, Jul 08, 2025

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CASE NARRATIVE

Union Paving & Construction Company
Project Name: 190 Park Ave Hanover Twp NJ - PO 3556-001
Project # N/A
Order ID # Q2393
Test Name: PCB

A. Number of Samples and Date of Receipt:
12 Solid samples were received on 06/23/2025.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Cyanide, Mercury, Metals ICP-TAL, PCB, Pesticide-TCL, pH, SVOC-TCL BNA -20 and VOC-TCLVOA-10. This data package contains results for PCB.

C. Analytical Techniques:
The analyses were performed on instrument GCECD_P. 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 PCBs was based on method 8082A and extraction was done based on method 3541.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria.
The Retention Times were acceptable for all samples.
The MS recoveries met the requirements for all compounds .
The MSD recoveries met the acceptable requirements .
The RPD met criteria .
The Blank Spike met requirements for all samples .
The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements .
The Continuous Calibration met the requirements .

E. Additional Comments:
The soil samples results are based on a dry weight basis.

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

---

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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. 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 APPROVED
By Nimisha Pandya, QA/QC Supervisor at 9:08 am, Jul 08, 2025

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CASE NARRATIVE

Union Paving & Construction Company
Project Name: 190 Park Ave Hanover Twp NJ - PO 3556-001
Project # N/A
Order ID # Q2393
Test Name: Mercury,Metals ICP-TAL

A. Number of Samples and Date of Receipt:
12 Solid samples were received on 06/23/2025.

B. Parameters:
According to the Chain of Custody document, the following analyses were requested: Cyanide, Mercury, Metals ICP-TAL, PCB, Pesticide-TCL, pH, SVOC-TCL BNA -20 and VOC-TCLVOA-10. This data package contains results for Mercury,Metals ICP-TAL.

C. Analytical Techniques:
The analysis of Metals ICP-TAL was based on method 6010D, digestion based on method 3050 (soils). The analysis and digestion of Mercury was based on method 7471B.

D. QA/ QC Samples:

The Holding Times were met for all analysis.
The Blank Spike met requirements for all parameters.
The Duplicate (PARK AVE -6DUP) analysis met criteria for all parameters except for Antimony, Arsenic, Calcium, Chromium, Copper, Iron, Manganese, Nickel, Selenium and Silver due to sample matrix interference. The Duplicate (PARK AVE -6MSD) analysis met criteria for all parameters except for Calcium and Manganese due to matrix unknown interferences during digestion and very oily and viscous matrix of sample.

The Matrix Spike (PARK AVE -6MS) analysis met criteria for all parameters except for Antimony, Beryllium, Chromium, Copper, Nickel, Selenium, Silver, Sodium, Vanadium and Zinc due to matrix unknown interferences during digestion and very oily and viscous matrix of sample.
The Matrix Spike Duplicate (PARK AVE -6MSD) analysis met criteria for all parameters except for Antimony, Chromium, Cobalt, Copper, Nickel, Potassium, Selenium, Silver, Sodium, Vanadium and Zinc due to matrix unknown interferences during digestion and very oily and viscous matrix of sample.
The Blank analysis did not indicate the presence of lab contamination.
The Calibration met the requirements.
The Serial Dilution (PARK AVE -6L) met criteria for all parameters except for Aluminum, Calcium, Chromium, Copper, Iron, Magnesium and Manganese due to sample matrix interference.

E. Additional Comments:

The Post Digest Spike (PARK AVE -6A) analysis met criteria for all parameters except for Antimony, Beryllium, Chromium, Copper, Selenium, Silver, Sodium, Vanadium and Zinc due to unknown chemical interferences of matrix with the addition of spike amount after digestion and before analysis; matrix has suppression effect during addition of spike.

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. 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 APPROVED
By Nimisha Pandya, QA/QC Supervisor at 9:08 am, Jul 08, 2025

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CASE NARRATIVE

Union Paving & Construction Company
Project Name: 190 Park Ave Hanover Twp NJ - PO 3556-001
Project # N/A
Order ID # Q2393
Test Name: Cyanide,pH

A. Number of Samples and Date of Receipt:
12 Solid samples were received on 06/23/2025.

B. Parameters:
According to the Chain of Custody document, the following analyses were requested: Cyanide, Mercury, Metals ICP-TAL, PCB, Pesticide-TCL, pH, SVOC-TCL BNA -20 and VOC-TCLVOA-10. This data package contains results for Cyanide,pH.

C. Analytical Techniques:
The analysis of Cyanide was based on method 9012B and The analysis of pH was based on method 9045D.

D. QA/ QC Samples:
The Holding Times were met for all samples except for PARK AVE -1 of pH, for PARK AVE -2 of pH.for PARK AVE -3 of pH.for PARK AVE -4 of pH.for PARK AVE -5 of pH.for PARK AVE -6 of pH as samples were receive out of holding time.
The Blank Spike met requirements for all parameters.
The Duplicate analysis met criteria for all parameters.
The Matrix Spike analysis met criteria for all parameters.
The Matrix Spike Duplicate analysis met criteria for all parameters.
The Blank analysis did not indicate the presence of lab contamination.
The Calibration met the requirements.

E. Additional Comments:

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. 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_____ APPROVED
By Nimisha Pandya, QA/QC Supervisor at 9:08 am, Jul 08, 2025

284 Sheffield Street, Mountainside NJ 07092
Tel. 908-789-8900 Fax: 908-789-8922

DATA REPORTING QUALIFIERS- INORGANIC

For reporting results, the following " Results Qualifiers" are used:

J	Indicates the reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL), but greater than or equal to the Instrument Detection Limit (IDL).
U	Indicates the analyte was analyzed for, but not detected.
ND	Indicates the analyte was analyzed for, but not detected
E	Indicates the reported value is estimated because of the presence of interference
M	Indicates Duplicate injection precision not met.
N	Indicates the spiked sample recovery is not within control limits.
S	Indicates the reported value was determined by the Method of Standard Addition (MSA).
*	Indicates that the duplicate analysis is not within control limits.
+	Indicates the correlation coefficient for the MSA is less than 0.995.
D	Indicates the reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.
M	Method qualifiers **"P"** for ICP instrument **"PM"** for ICP when Microwave Digestion is used **"CV"** for Manual Cold Vapor AA **"AV"** for automated Cold Vapor AA **"CA"** for MIDI-Distillation Spectrophotometric **"AS"** for Semi –Automated Spectrophotometric **"C"** for Manual Spectrophotometric **"T"** for Titrimetric **"NR"** for analyte not required to be analyzed
OR	Indicates the analyte's concentration exceeds the calibrated range of the instrument for that specific analysis.
Q	Indicates the LCS did not meet the control limits requirements
H	Sample Analysis Out Of Hold Time

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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 is 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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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q2393

	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 Castody	✓
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: MOHAMMAD AHMED **Date:** 07/08/2025

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Fax : 908 789 8922

Hit Summary Sheet
SW-846

SDG No.: Q2393

Client: Union Paving & Construction Company

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Client ID:	**PARK AVE -3**								
Q2393-06	PARK AVE -3	SOIL	Trichlorofluoromethane		7.20		1.00	4.30	ug/Kg
Q2393-06	PARK AVE -3	SOIL	Acetone		61.6		4.10	21.5	ug/Kg
Q2393-06	PARK AVE -3	SOIL	2-Butanone		23.9		5.60	21.5	ug/Kg
			Total Voc :		92.7				
Q2393-06	PARK AVE -3	SOIL	1,2,4-Trimethylbenzene	*	0.90	J	0.55	4.30	ug/Kg
			Total Tics :		0.90				
			Total Concentration:		93.6				
Client ID:	**PARK AVE -4**								
Q2393-08	PARK AVE -4	SOIL	Trichlorofluoromethane		4.30		0.82	3.40	ug/Kg
Q2393-08	PARK AVE -4	SOIL	Acetone		83.6		3.20	16.9	ug/Kg
Q2393-08	PARK AVE -4	SOIL	Carbon Disulfide		1.10	J	0.72	3.40	ug/Kg
Q2393-08	PARK AVE -4	SOIL	2-Butanone		49.3		4.40	16.9	ug/Kg
			Total Voc :		138				
Q2393-08	PARK AVE -4	SOIL	1,2,4-Trimethylbenzene	*	0.79	J	0.43	3.40	ug/Kg
			Total Tics :		0.79				
			Total Concentration:		139				
Client ID:	**PARK AVE -5**								
Q2393-10	PARK AVE -5	SOIL	Trichlorofluoromethane		2.80	J	1.50	6.20	ug/Kg
Q2393-10	PARK AVE -5	SOIL	Acetone		11.6	J	5.90	31.1	ug/Kg
			Total Voc :		14.4				
			Total Concentration:		14.4				
Client ID:	**PARK AVE -6**								
Q2393-12	PARK AVE -6	SOIL	Trichlorofluoromethane		13.9		1.10	4.70	ug/Kg
Q2393-12	PARK AVE -6	SOIL	Acetone		22.2	J	4.40	23.3	ug/Kg
			Total Voc :		36.1				
			Total Concentration:		36.1				

SAMPLE DATA

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

Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 3556-001	Date Received:	06/23/25
Client Sample ID:	PARK AVE -1	SDG No.:	Q2393
Lab Sample ID:	Q2393-02	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	81.9
Sample Wt/Vol:	6.33 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022795.D	1	06/24/25 14:19	VY062425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.10	U	1.10	4.80	ug/Kg
74-87-3	Chloromethane	1.10	U	1.10	4.80	ug/Kg
75-01-4	Vinyl Chloride	0.76	U	0.76	4.80	ug/Kg
74-83-9	Bromomethane	1.00	U	1.00	4.80	ug/Kg
75-00-3	Chloroethane	1.20	U	1.20	4.80	ug/Kg
75-69-4	Trichlorofluoromethane	1.20	U	1.20	4.80	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	1.00	4.80	ug/Kg
75-35-4	1,1-Dichloroethene	0.96	U	0.96	4.80	ug/Kg
67-64-1	Acetone	4.60	U	4.60	24.1	ug/Kg
75-15-0	Carbon Disulfide	1.00	U	1.00	4.80	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.70	U	0.70	4.80	ug/Kg
79-20-9	Methyl Acetate	1.50	U	1.50	4.80	ug/Kg
75-09-2	Methylene Chloride	3.40	U	3.40	9.60	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.83	U	0.83	4.80	ug/Kg
75-34-3	1,1-Dichloroethane	0.77	U	0.77	4.80	ug/Kg
110-82-7	Cyclohexane	0.76	U	0.76	4.80	ug/Kg
78-93-3	2-Butanone	6.30	U	6.30	24.1	ug/Kg
56-23-5	Carbon Tetrachloride	0.94	U	0.94	4.80	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.72	U	0.72	4.80	ug/Kg
74-97-5	Bromochloromethane	1.10	U	1.10	4.80	ug/Kg
67-66-3	Chloroform	0.81	U	0.81	4.80	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.90	U	0.90	4.80	ug/Kg
108-87-2	Methylcyclohexane	0.88	U	0.88	4.80	ug/Kg
71-43-2	Benzene	0.76	U	0.76	4.80	ug/Kg
107-06-2	1,2-Dichloroethane	0.76	U	0.76	4.80	ug/Kg
79-01-6	Trichloroethene	0.78	U	0.78	4.80	ug/Kg
78-87-5	1,2-Dichloropropane	0.88	U	0.88	4.80	ug/Kg
75-27-4	Bromodichloromethane	0.75	U	0.75	4.80	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.50	U	3.50	24.1	ug/Kg
108-88-3	Toluene	0.75	U	0.75	4.80	ug/Kg

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 3556-001	Date Received:	06/23/25
Client Sample ID:	PARK AVE -1	SDG No.:	Q2393
Lab Sample ID:	Q2393-02	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	81.9
Sample Wt/Vol:	6.33 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022795.D	1	06/24/25 14:19	VY062425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.63	U	0.63	4.80	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.60	U	0.60	4.80	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.89	U	0.89	4.80	ug/Kg
591-78-6	2-Hexanone	3.60	U	3.60	24.1	ug/Kg
124-48-1	Dibromochloromethane	0.84	U	0.84	4.80	ug/Kg
106-93-4	1,2-Dibromoethane	0.85	U	0.85	4.80	ug/Kg
127-18-4	Tetrachloroethene	1.00	U	1.00	4.80	ug/Kg
108-90-7	Chlorobenzene	0.88	U	0.88	4.80	ug/Kg
100-41-4	Ethyl Benzene	0.65	U	0.65	4.80	ug/Kg
179601-23-1	m/p-Xylenes	1.20	U	1.20	9.60	ug/Kg
95-47-6	o-Xylene	0.79	U	0.79	4.80	ug/Kg
100-42-5	Styrene	0.68	U	0.68	4.80	ug/Kg
75-25-2	Bromoform	0.83	U	0.83	4.80	ug/Kg
98-82-8	Isopropylbenzene	0.75	U	0.75	4.80	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.20	U	1.20	4.80	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.60	U	1.60	4.80	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.50	U	1.50	4.80	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.40	U	1.40	4.80	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.80	U	1.80	4.80	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.90	U	2.90	4.80	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.10	U	3.10	4.80	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.6		63 - 155	97%	SPK: 50
1868-53-7	Dibromofluoromethane	49.0		70 - 134	98%	SPK: 50
2037-26-5	Toluene-d8	49.6		74 - 123	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	57.6		17 - 146	115%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	304000	7.707			
540-36-3	1,4-Difluorobenzene	545000	8.609			
3114-55-4	Chlorobenzene-d5	524000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	250000	13.34			

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Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 3556-001	Date Received:	06/23/25
Client Sample ID:	PARK AVE -1	SDG No.:	Q2393
Lab Sample ID:	Q2393-02	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	81.9
Sample Wt/Vol:	6.33 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022795.D	1	06/24/25 14:19	VY062425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
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
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 3556-001	Date Received:	06/23/25
Client Sample ID:	PARK AVE -2	SDG No.:	Q2393
Lab Sample ID:	Q2393-04	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	81.5
Sample Wt/Vol:	8.44 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022796.D	1	06/24/25 14:42	VY062425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.83	U	0.83	3.60	ug/Kg
74-87-3	Chloromethane	0.83	U	0.83	3.60	ug/Kg
75-01-4	Vinyl Chloride	0.57	U	0.57	3.60	ug/Kg
74-83-9	Bromomethane	0.78	U	0.78	3.60	ug/Kg
75-00-3	Chloroethane	0.92	U	0.92	3.60	ug/Kg
75-69-4	Trichlorofluoromethane	0.88	U	0.88	3.60	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.77	U	0.77	3.60	ug/Kg
75-35-4	1,1-Dichloroethene	0.73	U	0.73	3.60	ug/Kg
67-64-1	Acetone	3.40	U	3.40	18.2	ug/Kg
75-15-0	Carbon Disulfide	0.77	U	0.77	3.60	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.53	U	0.53	3.60	ug/Kg
79-20-9	Methyl Acetate	1.10	U	1.10	3.60	ug/Kg
75-09-2	Methylene Chloride	2.60	U	2.60	7.30	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.63	U	0.63	3.60	ug/Kg
75-34-3	1,1-Dichloroethane	0.58	U	0.58	3.60	ug/Kg
110-82-7	Cyclohexane	0.57	U	0.57	3.60	ug/Kg
78-93-3	2-Butanone	4.80	U	4.80	18.2	ug/Kg
56-23-5	Carbon Tetrachloride	0.71	U	0.71	3.60	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.55	U	0.55	3.60	ug/Kg
74-97-5	Bromochloromethane	0.84	U	0.84	3.60	ug/Kg
67-66-3	Chloroform	0.61	U	0.61	3.60	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.68	U	0.68	3.60	ug/Kg
108-87-2	Methylcyclohexane	0.66	U	0.66	3.60	ug/Kg
71-43-2	Benzene	0.57	U	0.57	3.60	ug/Kg
107-06-2	1,2-Dichloroethane	0.57	U	0.57	3.60	ug/Kg
79-01-6	Trichloroethene	0.59	U	0.59	3.60	ug/Kg
78-87-5	1,2-Dichloropropane	0.66	U	0.66	3.60	ug/Kg
75-27-4	Bromodichloromethane	0.57	U	0.57	3.60	ug/Kg
108-10-1	4-Methyl-2-Pentanone	2.60	U	2.60	18.2	ug/Kg
108-88-3	Toluene	0.57	U	0.57	3.60	ug/Kg

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Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 3556-001	Date Received:	06/23/25
Client Sample ID:	PARK AVE -2	SDG No.:	Q2393
Lab Sample ID:	Q2393-04	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	81.5
Sample Wt/Vol:	8.44 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022796.D	1	06/24/25 14:42	VY062425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.47	U	0.47	3.60	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.45	U	0.45	3.60	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.67	U	0.67	3.60	ug/Kg
591-78-6	2-Hexanone	2.70	U	2.70	18.2	ug/Kg
124-48-1	Dibromochloromethane	0.63	U	0.63	3.60	ug/Kg
106-93-4	1,2-Dibromoethane	0.64	U	0.64	3.60	ug/Kg
127-18-4	Tetrachloroethene	0.76	U	0.76	3.60	ug/Kg
108-90-7	Chlorobenzene	0.66	U	0.66	3.60	ug/Kg
100-41-4	Ethyl Benzene	0.49	U	0.49	3.60	ug/Kg
179601-23-1	m/p-Xylenes	0.90	U	0.90	7.30	ug/Kg
95-47-6	o-Xylene	0.60	U	0.60	3.60	ug/Kg
100-42-5	Styrene	0.52	U	0.52	3.60	ug/Kg
75-25-2	Bromoform	0.63	U	0.63	3.60	ug/Kg
98-82-8	Isopropylbenzene	0.57	U	0.57	3.60	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.88	U	0.88	3.60	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.20	U	1.20	3.60	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.10	U	1.10	3.60	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.10	U	1.10	3.60	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.30	U	1.30	3.60	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.20	U	2.20	3.60	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2.30	U	2.30	3.60	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	55.8		63 - 155	112%	SPK: 50
1868-53-7	Dibromofluoromethane	52.0		70 - 134	104%	SPK: 50
2037-26-5	Toluene-d8	50.0		74 - 123	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	61.1		17 - 146	122%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	304000	7.707			
540-36-3	1,4-Difluorobenzene	554000	8.609			
3114-55-4	Chlorobenzene-d5	553000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	279000	13.34			

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Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 3556-001	Date Received:	06/23/25
Client Sample ID:	PARK AVE -2	SDG No.:	Q2393
Lab Sample ID:	Q2393-04	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	81.5
Sample Wt/Vol:	8.44 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022796.D	1	06/24/25 14:42	VY062425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
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
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 3556-001	Date Received:	06/23/25
Client Sample ID:	PARK AVE -3	SDG No.:	Q2393
Lab Sample ID:	Q2393-06	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	86.3
Sample Wt/Vol:	6.74 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022797.D	1	06/24/25 15:06	VY062425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.98	U	0.98	4.30	ug/Kg
74-87-3	Chloromethane	0.98	U	0.98	4.30	ug/Kg
75-01-4	Vinyl Chloride	0.68	U	0.68	4.30	ug/Kg
74-83-9	Bromomethane	0.92	U	0.92	4.30	ug/Kg
75-00-3	Chloroethane	1.10	U	1.10	4.30	ug/Kg
75-69-4	Trichlorofluoromethane	7.20		1.00	4.30	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.91	U	0.91	4.30	ug/Kg
75-35-4	1,1-Dichloroethene	0.86	U	0.86	4.30	ug/Kg
67-64-1	Acetone	61.6		4.10	21.5	ug/Kg
75-15-0	Carbon Disulfide	0.91	U	0.91	4.30	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.63	U	0.63	4.30	ug/Kg
79-20-9	Methyl Acetate	1.30	U	1.30	4.30	ug/Kg
75-09-2	Methylene Chloride	3.00	U	3.00	8.60	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.74	U	0.74	4.30	ug/Kg
75-34-3	1,1-Dichloroethane	0.69	U	0.69	4.30	ug/Kg
110-82-7	Cyclohexane	0.68	U	0.68	4.30	ug/Kg
78-93-3	2-Butanone	23.9		5.60	21.5	ug/Kg
56-23-5	Carbon Tetrachloride	0.83	U	0.83	4.30	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.64	U	0.64	4.30	ug/Kg
74-97-5	Bromochloromethane	0.99	U	0.99	4.30	ug/Kg
67-66-3	Chloroform	0.72	U	0.72	4.30	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.80	U	0.80	4.30	ug/Kg
108-87-2	Methylcyclohexane	0.78	U	0.78	4.30	ug/Kg
71-43-2	Benzene	0.68	U	0.68	4.30	ug/Kg
107-06-2	1,2-Dichloroethane	0.68	U	0.68	4.30	ug/Kg
79-01-6	Trichloroethene	0.70	U	0.70	4.30	ug/Kg
78-87-5	1,2-Dichloropropane	0.78	U	0.78	4.30	ug/Kg
75-27-4	Bromodichloromethane	0.67	U	0.67	4.30	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.10	U	3.10	21.5	ug/Kg
108-88-3	Toluene	0.67	U	0.67	4.30	ug/Kg

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Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 3556-001	Date Received:	06/23/25
Client Sample ID:	PARK AVE -3	SDG No.:	Q2393
Lab Sample ID:	Q2393-06	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	86.3
Sample Wt/Vol:	6.74 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022797.D	1	06/24/25 15:06	VY062425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.56	U	0.56	4.30	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.53	U	0.53	4.30	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.79	U	0.79	4.30	ug/Kg
591-78-6	2-Hexanone	3.20	U	3.20	21.5	ug/Kg
124-48-1	Dibromochloromethane	0.75	U	0.75	4.30	ug/Kg
106-93-4	1,2-Dibromoethane	0.76	U	0.76	4.30	ug/Kg
127-18-4	Tetrachloroethene	0.90	U	0.90	4.30	ug/Kg
108-90-7	Chlorobenzene	0.78	U	0.78	4.30	ug/Kg
100-41-4	Ethyl Benzene	0.58	U	0.58	4.30	ug/Kg
179601-23-1	m/p-Xylenes	1.10	U	1.10	8.60	ug/Kg
95-47-6	o-Xylene	0.70	U	0.70	4.30	ug/Kg
100-42-5	Styrene	0.61	U	0.61	4.30	ug/Kg
75-25-2	Bromoform	0.74	U	0.74	4.30	ug/Kg
98-82-8	Isopropylbenzene	0.67	U	0.67	4.30	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	1.00	4.30	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.50	U	1.50	4.30	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.30	U	1.30	4.30	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.20	U	1.20	4.30	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.60	U	1.60	4.30	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.60	U	2.60	4.30	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2.70	U	2.70	4.30	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.8		63 - 155	98%	SPK: 50
1868-53-7	Dibromofluoromethane	49.3		70 - 134	99%	SPK: 50
2037-26-5	Toluene-d8	48.4		74 - 123	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	56.5		17 - 146	113%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	301000	7.701			
540-36-3	1,4-Difluorobenzene	557000	8.61			
3114-55-4	Chlorobenzene-d5	525000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	250000	13.34			
TENTATIVE IDENTIFIED COMPOUNDS						

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Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 3556-001	Date Received:	06/23/25
Client Sample ID:	PARK AVE -3	SDG No.:	Q2393
Lab Sample ID:	Q2393-06	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	86.3
Sample Wt/Vol:	6.74 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022797.D	1	06/24/25 15:06	VY062425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
95-63-6	1,2,4-Trimethylbenzene	0.90	J		13.0	ug/Kg

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
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
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 3556-001	Date Received:	06/23/25
Client Sample ID:	PARK AVE -4	SDG No.:	Q2393
Lab Sample ID:	Q2393-08	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	87.7
Sample Wt/Vol:	8.42 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022798.D	1	06/24/25 15:29	VY062425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.77	U	0.77	3.40	ug/Kg
74-87-3	Chloromethane	0.77	U	0.77	3.40	ug/Kg
75-01-4	Vinyl Chloride	0.53	U	0.53	3.40	ug/Kg
74-83-9	Bromomethane	0.72	U	0.72	3.40	ug/Kg
75-00-3	Chloroethane	0.85	U	0.85	3.40	ug/Kg
75-69-4	Trichlorofluoromethane	4.30		0.82	3.40	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.72	U	0.72	3.40	ug/Kg
75-35-4	1,1-Dichloroethene	0.68	U	0.68	3.40	ug/Kg
67-64-1	Acetone	83.6		3.20	16.9	ug/Kg
75-15-0	Carbon Disulfide	1.10	J	0.72	3.40	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.49	U	0.49	3.40	ug/Kg
79-20-9	Methyl Acetate	1.00	U	1.00	3.40	ug/Kg
75-09-2	Methylene Chloride	2.40	U	2.40	6.80	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.58	U	0.58	3.40	ug/Kg
75-34-3	1,1-Dichloroethane	0.54	U	0.54	3.40	ug/Kg
110-82-7	Cyclohexane	0.53	U	0.53	3.40	ug/Kg
78-93-3	2-Butanone	49.3		4.40	16.9	ug/Kg
56-23-5	Carbon Tetrachloride	0.66	U	0.66	3.40	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.51	U	0.51	3.40	ug/Kg
74-97-5	Bromochloromethane	0.78	U	0.78	3.40	ug/Kg
67-66-3	Chloroform	0.57	U	0.57	3.40	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.63	U	0.63	3.40	ug/Kg
108-87-2	Methylcyclohexane	0.62	U	0.62	3.40	ug/Kg
71-43-2	Benzene	0.53	U	0.53	3.40	ug/Kg
107-06-2	1,2-Dichloroethane	0.53	U	0.53	3.40	ug/Kg
79-01-6	Trichloroethene	0.55	U	0.55	3.40	ug/Kg
78-87-5	1,2-Dichloropropane	0.62	U	0.62	3.40	ug/Kg
75-27-4	Bromodichloromethane	0.53	U	0.53	3.40	ug/Kg
108-10-1	4-Methyl-2-Pentanone	2.40	U	2.40	16.9	ug/Kg
108-88-3	Toluene	0.53	U	0.53	3.40	ug/Kg

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Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 3556-001	Date Received:	06/23/25
Client Sample ID:	PARK AVE -4	SDG No.:	Q2393
Lab Sample ID:	Q2393-08	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	87.7
Sample Wt/Vol:	8.42 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022798.D	1	06/24/25 15:29	VY062425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.44	U	0.44	3.40	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.42	U	0.42	3.40	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.62	U	0.62	3.40	ug/Kg
591-78-6	2-Hexanone	2.50	U	2.50	16.9	ug/Kg
124-48-1	Dibromochloromethane	0.59	U	0.59	3.40	ug/Kg
106-93-4	1,2-Dibromoethane	0.60	U	0.60	3.40	ug/Kg
127-18-4	Tetrachloroethene	0.71	U	0.71	3.40	ug/Kg
108-90-7	Chlorobenzene	0.62	U	0.62	3.40	ug/Kg
100-41-4	Ethyl Benzene	0.45	U	0.45	3.40	ug/Kg
179601-23-1	m/p-Xylenes	0.84	U	0.84	6.80	ug/Kg
95-47-6	o-Xylene	0.56	U	0.56	3.40	ug/Kg
100-42-5	Styrene	0.48	U	0.48	3.40	ug/Kg
75-25-2	Bromoform	0.58	U	0.58	3.40	ug/Kg
98-82-8	Isopropylbenzene	0.53	U	0.53	3.40	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.82	U	0.82	3.40	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.20	U	1.20	3.40	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.10	U	1.10	3.40	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.98	U	0.98	3.40	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.20	U	1.20	3.40	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.00	U	2.00	3.40	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2.20	U	2.20	3.40	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.2		63 - 155	96%	SPK: 50
1868-53-7	Dibromofluoromethane	48.7		70 - 134	97%	SPK: 50
2037-26-5	Toluene-d8	49.5		74 - 123	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.2		17 - 146	110%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	302000	7.701			
540-36-3	1,4-Difluorobenzene	544000	8.609			
3114-55-4	Chlorobenzene-d5	512000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	232000	13.34			
TENTATIVE IDENTIFIED COMPOUNDS						

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Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 3556-001	Date Received:	06/23/25
Client Sample ID:	PARK AVE -4	SDG No.:	Q2393
Lab Sample ID:	Q2393-08	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	87.7
Sample Wt/Vol:	8.42 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022798.D	1	06/24/25 15:29	VY062425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
95-63-6	1,2,4-Trimethylbenzene	0.79	J		13.0	ug/Kg

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
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
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Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 3556-001	Date Received:	06/23/25
Client Sample ID:	PARK AVE -5	SDG No.:	Q2393
Lab Sample ID:	Q2393-10	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	88.4
Sample Wt/Vol:	4.54 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022799.D	1	06/24/25 15:52	VY062425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.40	U	1.40	6.20	ug/Kg
74-87-3	Chloromethane	1.40	U	1.40	6.20	ug/Kg
75-01-4	Vinyl Chloride	0.98	U	0.98	6.20	ug/Kg
74-83-9	Bromomethane	1.30	U	1.30	6.20	ug/Kg
75-00-3	Chloroethane	1.60	U	1.60	6.20	ug/Kg
75-69-4	Trichlorofluoromethane	2.80	J	1.50	6.20	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.30	U	1.30	6.20	ug/Kg
75-35-4	1,1-Dichloroethene	1.20	U	1.20	6.20	ug/Kg
67-64-1	Acetone	11.6	J	5.90	31.1	ug/Kg
75-15-0	Carbon Disulfide	1.30	U	1.30	6.20	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.91	U	0.91	6.20	ug/Kg
79-20-9	Methyl Acetate	1.90	U	1.90	6.20	ug/Kg
75-09-2	Methylene Chloride	4.40	U	4.40	12.5	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.10	U	1.10	6.20	ug/Kg
75-34-3	1,1-Dichloroethane	1.00	U	1.00	6.20	ug/Kg
110-82-7	Cyclohexane	0.98	U	0.98	6.20	ug/Kg
78-93-3	2-Butanone	8.10	U	8.10	31.1	ug/Kg
56-23-5	Carbon Tetrachloride	1.20	U	1.20	6.20	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.93	U	0.93	6.20	ug/Kg
74-97-5	Bromochloromethane	1.40	U	1.40	6.20	ug/Kg
67-66-3	Chloroform	1.00	U	1.00	6.20	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.20	U	1.20	6.20	ug/Kg
108-87-2	Methylcyclohexane	1.10	U	1.10	6.20	ug/Kg
71-43-2	Benzene	0.98	U	0.98	6.20	ug/Kg
107-06-2	1,2-Dichloroethane	0.98	U	0.98	6.20	ug/Kg
79-01-6	Trichloroethene	1.00	U	1.00	6.20	ug/Kg
78-87-5	1,2-Dichloropropane	1.10	U	1.10	6.20	ug/Kg
75-27-4	Bromodichloromethane	0.97	U	0.97	6.20	ug/Kg
108-10-1	4-Methyl-2-Pentanone	4.50	U	4.50	31.1	ug/Kg
108-88-3	Toluene	0.97	U	0.97	6.20	ug/Kg

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Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 3556-001	Date Received:	06/23/25
Client Sample ID:	PARK AVE -5	SDG No.:	Q2393
Lab Sample ID:	Q2393-10	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	88.4
Sample Wt/Vol:	4.54 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022799.D	1	06/24/25 15:52	VY062425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.81	U	0.81	6.20	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.77	U	0.77	6.20	ug/Kg
79-00-5	1,1,2-Trichloroethane	1.10	U	1.10	6.20	ug/Kg
591-78-6	2-Hexanone	4.60	U	4.60	31.1	ug/Kg
124-48-1	Dibromochloromethane	1.10	U	1.10	6.20	ug/Kg
106-93-4	1,2-Dibromoethane	1.10	U	1.10	6.20	ug/Kg
127-18-4	Tetrachloroethene	1.30	U	1.30	6.20	ug/Kg
108-90-7	Chlorobenzene	1.10	U	1.10	6.20	ug/Kg
100-41-4	Ethyl Benzene	0.83	U	0.83	6.20	ug/Kg
179601-23-1	m/p-Xylenes	1.50	U	1.50	12.5	ug/Kg
95-47-6	o-Xylene	1.00	U	1.00	6.20	ug/Kg
100-42-5	Styrene	0.88	U	0.88	6.20	ug/Kg
75-25-2	Bromoform	1.10	U	1.10	6.20	ug/Kg
98-82-8	Isopropylbenzene	0.97	U	0.97	6.20	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.50	U	1.50	6.20	ug/Kg
541-73-1	1,3-Dichlorobenzene	2.10	U	2.10	6.20	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.90	U	1.90	6.20	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.80	U	1.80	6.20	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	2.30	U	2.30	6.20	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.70	U	3.70	6.20	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	4.00	U	4.00	6.20	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	46.8		63 - 155	94%	SPK: 50
1868-53-7	Dibromofluoromethane	49.1		70 - 134	98%	SPK: 50
2037-26-5	Toluene-d8	48.5		74 - 123	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.6		17 - 146	103%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	317000	7.707			
540-36-3	1,4-Difluorobenzene	576000	8.61			
3114-55-4	Chlorobenzene-d5	531000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	229000	13.34			

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Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 3556-001	Date Received:	06/23/25
Client Sample ID:	PARK AVE -5	SDG No.:	Q2393
Lab Sample ID:	Q2393-10	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	88.4
Sample Wt/Vol:	4.54 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022799.D	1	06/24/25 15:52	VY062425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
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
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 3556-001	Date Received:	06/23/25
Client Sample ID:	PARK AVE -6	SDG No.:	Q2393
Lab Sample ID:	Q2393-12	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	87.7
Sample Wt/Vol:	6.11 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022800.D	1	06/24/25 16:16	VY062425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.10	U	1.10	4.70	ug/Kg
74-87-3	Chloromethane	1.10	U	1.10	4.70	ug/Kg
75-01-4	Vinyl Chloride	0.74	U	0.74	4.70	ug/Kg
74-83-9	Bromomethane	1.00	U	1.00	4.70	ug/Kg
75-00-3	Chloroethane	1.20	U	1.20	4.70	ug/Kg
75-69-4	Trichlorofluoromethane	13.9		1.10	4.70	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.99	U	0.99	4.70	ug/Kg
75-35-4	1,1-Dichloroethene	0.93	U	0.93	4.70	ug/Kg
67-64-1	Acetone	22.2	J	4.40	23.3	ug/Kg
75-15-0	Carbon Disulfide	0.99	U	0.99	4.70	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.68	U	0.68	4.70	ug/Kg
79-20-9	Methyl Acetate	1.40	U	1.40	4.70	ug/Kg
75-09-2	Methylene Chloride	3.30	U	3.30	9.30	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.80	U	0.80	4.70	ug/Kg
75-34-3	1,1-Dichloroethane	0.75	U	0.75	4.70	ug/Kg
110-82-7	Cyclohexane	0.74	U	0.74	4.70	ug/Kg
78-93-3	2-Butanone	6.10	U	6.10	23.3	ug/Kg
56-23-5	Carbon Tetrachloride	0.91	U	0.91	4.70	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.70	U	0.70	4.70	ug/Kg
74-97-5	Bromochloromethane	1.10	U	1.10	4.70	ug/Kg
67-66-3	Chloroform	0.78	U	0.78	4.70	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.87	U	0.87	4.70	ug/Kg
108-87-2	Methylcyclohexane	0.85	U	0.85	4.70	ug/Kg
71-43-2	Benzene	0.74	U	0.74	4.70	ug/Kg
107-06-2	1,2-Dichloroethane	0.74	U	0.74	4.70	ug/Kg
79-01-6	Trichloroethene	0.76	U	0.76	4.70	ug/Kg
78-87-5	1,2-Dichloropropane	0.85	U	0.85	4.70	ug/Kg
75-27-4	Bromodichloromethane	0.73	U	0.73	4.70	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.30	U	3.30	23.3	ug/Kg
108-88-3	Toluene	0.73	U	0.73	4.70	ug/Kg

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Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 3556-001	Date Received:	06/23/25
Client Sample ID:	PARK AVE -6	SDG No.:	Q2393
Lab Sample ID:	Q2393-12	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	87.7
Sample Wt/Vol:	6.11 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022800.D	1	06/24/25 16:16	VY062425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.61	U	0.61	4.70	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.58	U	0.58	4.70	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.86	U	0.86	4.70	ug/Kg
591-78-6	2-Hexanone	3.40	U	3.40	23.3	ug/Kg
124-48-1	Dibromochloromethane	0.81	U	0.81	4.70	ug/Kg
106-93-4	1,2-Dibromoethane	0.82	U	0.82	4.70	ug/Kg
127-18-4	Tetrachloroethene	0.98	U	0.98	4.70	ug/Kg
108-90-7	Chlorobenzene	0.85	U	0.85	4.70	ug/Kg
100-41-4	Ethyl Benzene	0.63	U	0.63	4.70	ug/Kg
179601-23-1	m/p-Xylenes	1.20	U	1.20	9.30	ug/Kg
95-47-6	o-Xylene	0.77	U	0.77	4.70	ug/Kg
100-42-5	Styrene	0.66	U	0.66	4.70	ug/Kg
75-25-2	Bromoform	0.80	U	0.80	4.70	ug/Kg
98-82-8	Isopropylbenzene	0.73	U	0.73	4.70	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.10	U	1.10	4.70	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.60	U	1.60	4.70	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.50	U	1.50	4.70	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.40	U	1.40	4.70	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.70	U	1.70	4.70	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.80	U	2.80	4.70	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.00	U	3.00	4.70	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.0		63 - 155	100%	SPK: 50
1868-53-7	Dibromofluoromethane	50.2		70 - 134	100%	SPK: 50
2037-26-5	Toluene-d8	49.3		74 - 123	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.2		17 - 146	108%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	327000	7.701			
540-36-3	1,4-Difluorobenzene	592000	8.609			
3114-55-4	Chlorobenzene-d5	562000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	253000	13.34			

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Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 3556-001	Date Received:	06/23/25
Client Sample ID:	PARK AVE -6	SDG No.:	Q2393
Lab Sample ID:	Q2393-12	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	87.7
Sample Wt/Vol:	6.11 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022800.D	1	06/24/25 16:16	VY062425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
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
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

QC SUMMARY

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Surrogate Summary

SDG No.: Q2393

Client: Union Paving & Construction Company

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
Q2393-02	PARK AVE -1	1,2-Dichloroethane-d4	50	48.6	97		63	155
		Dibromofluoromethane	50	49.0	98		70	134
		Toluene-d8	50	49.6	99		74	123
		4-Bromofluorobenzene	50	57.6	115		17	146
Q2393-04	PARK AVE -2	1,2-Dichloroethane-d4	50	55.8	112		63	155
		Dibromofluoromethane	50	52.0	104		70	134
		Toluene-d8	50	50.0	100		74	123
		4-Bromofluorobenzene	50	61.1	122		17	146
Q2393-06	PARK AVE -3	1,2-Dichloroethane-d4	50	48.8	98		63	155
		Dibromofluoromethane	50	49.3	99		70	134
		Toluene-d8	50	48.4	97		74	123
		4-Bromofluorobenzene	50	56.5	113		17	146
Q2393-08	PARK AVE -4	1,2-Dichloroethane-d4	50	48.2	96		63	155
		Dibromofluoromethane	50	48.7	97		70	134
		Toluene-d8	50	49.5	99		74	123
		4-Bromofluorobenzene	50	55.2	110		17	146
Q2393-10	PARK AVE -5	1,2-Dichloroethane-d4	50	46.8	94		63	155
		Dibromofluoromethane	50	49.1	98		70	134
		Toluene-d8	50	48.5	97		74	123
		4-Bromofluorobenzene	50	51.6	103		17	146
Q2393-12	PARK AVE -6	1,2-Dichloroethane-d4	50	50.0	100		63	155
		Dibromofluoromethane	50	50.2	100		70	134
		Toluene-d8	50	49.4	99		74	123
		4-Bromofluorobenzene	50	54.2	108		17	146
VY0624SBL01	VY0624SBL01	1,2-Dichloroethane-d4	50	54.5	109		63	155
		Dibromofluoromethane	50	52.4	105		70	134
		Toluene-d8	50	49.2	98		74	123
		4-Bromofluorobenzene	50	42.8	86		17	146
VY0624SBS01	VY0624SBS01	1,2-Dichloroethane-d4	50	50.7	101		63	155
		Dibromofluoromethane	50	51.1	102		70	134
		Toluene-d8	50	50.7	101		74	123
		4-Bromofluorobenzene	50	48.5	97		17	146
VY0624SBSD01	VY0624SBSD01	1,2-Dichloroethane-d4	50	48.6	97		63	155
		Dibromofluoromethane	50	49.7	99		70	134
		Toluene-d8	50	50.5	101		74	123
		4-Bromofluorobenzene	50	47.7	95		17	146

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2393 **Analytical Method:** SW8260D

Client: Union Paving & Construction Compai **Datafile :** VY022787.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0624SBS01	Dichlorodifluoromethane	20	20.7	ug/Kg	104			64	136	
	Chloromethane	20	20.4	ug/Kg	102			52	151	
	Vinyl chloride	20	20.3	ug/Kg	102			56	148	
	Bromomethane	20	21.4	ug/Kg	107			58	141	
	Chloroethane	20	20.3	ug/Kg	102			69	130	
	Trichlorofluoromethane	20	20.2	ug/Kg	101			69	134	
	1,1,2-Trichlorotrifluoroethane	20	20.5	ug/Kg	103			81	123	
	1,1-Dichloroethene	20	20.1	ug/Kg	101			79	121	
	Acetone	100	100	ug/Kg	100			40	171	
	Carbon disulfide	20	20.5	ug/Kg	103			59	130	
	Methyl tert-butyl Ether	20	20.1	ug/Kg	101			77	129	
	Methyl Acetate	20	18.7	ug/Kg	94			69	149	
	Methylene Chloride	20	18.3	ug/Kg	92			72	131	
	trans-1,2-Dichloroethene	20	20.2	ug/Kg	101			80	123	
	1,1-Dichloroethane	20	20.5	ug/Kg	103			82	123	
	Cyclohexane	20	20.1	ug/Kg	101			76	122	
	2-Butanone	100	100	ug/Kg	100			69	131	
	Carbon Tetrachloride	20	19.9	ug/Kg	100			76	129	
	cis-1,2-Dichloroethene	20	19.9	ug/Kg	100			82	123	
	Bromochloromethane	20	20.5	ug/Kg	103			80	127	
	Chloroform	20	19.9	ug/Kg	100			82	125	
	1,1,1-Trichloroethane	20	20.5	ug/Kg	103			80	126	
	Methylcyclohexane	20	20.1	ug/Kg	101			77	123	
	Benzene	20	20.1	ug/Kg	101			84	121	
	1,2-Dichloroethane	20	20.1	ug/Kg	101			81	126	
	Trichloroethene	20	19.9	ug/Kg	100			83	122	
	1,2-Dichloropropane	20	20.3	ug/Kg	102			83	122	
	Bromodichloromethane	20	20.4	ug/Kg	102			82	123	
	4-Methyl-2-Pentanone	100	100	ug/Kg	100			70	135	
	Toluene	20	19.8	ug/Kg	99			83	122	
	t-1,3-Dichloropropene	20	19.6	ug/Kg	98			78	124	
	cis-1,3-Dichloropropene	20	20.2	ug/Kg	101			81	122	
	1,1,2-Trichloroethane	20	20.3	ug/Kg	102			82	125	
	2-Hexanone	100	98.6	ug/Kg	99			66	138	
	Dibromochloromethane	20	19.6	ug/Kg	98			79	125	
	1,2-Dibromoethane	20	20.0	ug/Kg	100			80	125	
	Tetrachloroethene	20	18.6	ug/Kg	93			83	125	
	Chlorobenzene	20	19.7	ug/Kg	99			84	122	
	Ethyl Benzene	20	19.5	ug/Kg	98			82	124	
	m/p-Xylenes	40	39.0	ug/Kg	98			83	124	
	o-Xylene	20	19.0	ug/Kg	95			83	123	
	Styrene	20	19.1	ug/Kg	96			82	124	
	Bromoform	20	18.8	ug/Kg	94			75	127	
	Isopropylbenzene	20	20.1	ug/Kg	101			82	124	
	1,1,2,2-Tetrachloroethane	20	21.8	ug/Kg	109			77	127	
	1,3-Dichlorobenzene	20	19.7	ug/Kg	99			83	122	
	1,4-Dichlorobenzene	20	19.5	ug/Kg	98			84	121	
	1,2-Dichlorobenzene	20	19.4	ug/Kg	97			83	124	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2393 **Analytical Method:** SW8260D

Client: Union Paving & Construction Compai **Datafile :** VY022787.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0624SBS01	1,2-Dibromo-3-Chloropropane	20	19.4	ug/Kg	97			66	134	
	1,2,4-Trichlorobenzene	20	19.1	ug/Kg	96			78	127	
	1,2,3-Trichlorobenzene	20	19.0	ug/Kg	95			70	137	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2393 **Analytical Method:** SW8260D

Client: Union Paving & Construction Compai **Datafile :** VY022788.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0624SBSD01	Dichlorodifluoromethane	20	21.6	ug/Kg	108	4		64	136	20
	Chloromethane	20	19.9	ug/Kg	100	2		52	151	20
	Vinyl chloride	20	20.6	ug/Kg	103	1		56	148	20
	Bromomethane	20	20.6	ug/Kg	103	4		58	141	20
	Chloroethane	20	20.0	ug/Kg	100	2		69	130	20
	Trichlorofluoromethane	20	20.7	ug/Kg	104	3		69	134	20
	1,1,2-Trichlorotrifluoroethane	20	21.0	ug/Kg	105	2		81	123	20
	1,1-Dichloroethene	20	20.0	ug/Kg	100	1		79	121	20
	Acetone	100	94.2	ug/Kg	94	6		40	171	20
	Carbon disulfide	20	20.5	ug/Kg	103	0		59	130	20
	Methyl tert-butyl Ether	20	19.1	ug/Kg	96	5		77	129	20
	Methyl Acetate	20	17.5	ug/Kg	88	7		69	149	20
	Methylene Chloride	20	17.9	ug/Kg	90	2		72	131	20
	trans-1,2-Dichloroethene	20	19.8	ug/Kg	99	2		80	123	20
	1,1-Dichloroethane	20	20.3	ug/Kg	102	1		82	123	20
	Cyclohexane	20	20.2	ug/Kg	101	0		76	122	20
	2-Butanone	100	93.6	ug/Kg	94	6		69	131	20
	Carbon Tetrachloride	20	20.6	ug/Kg	103	3		76	129	20
	cis-1,2-Dichloroethene	20	19.5	ug/Kg	98	2		82	123	20
	Bromochloromethane	20	20.2	ug/Kg	101	2		80	127	20
	Chloroform	20	19.7	ug/Kg	99	1		82	125	20
	1,1,1-Trichloroethane	20	20.4	ug/Kg	102	1		80	126	20
	Methylcyclohexane	20	20.3	ug/Kg	102	1		77	123	20
	Benzene	20	20.2	ug/Kg	101	0		84	121	20
	1,2-Dichloroethane	20	20.3	ug/Kg	102	1		81	126	20
	Trichloroethene	20	20.6	ug/Kg	103	3		83	122	20
	1,2-Dichloropropane	20	20.0	ug/Kg	100	2		83	122	20
	Bromodichloromethane	20	19.9	ug/Kg	100	2		82	123	20
	4-Methyl-2-Pentanone	100	95.0	ug/Kg	95	5		70	135	20
	Toluene	20	20.0	ug/Kg	100	1		83	122	20
	t-1,3-Dichloropropene	20	19.3	ug/Kg	97	1		78	124	20
	cis-1,3-Dichloropropene	20	19.6	ug/Kg	98	3		81	122	20
	1,1,2-Trichloroethane	20	19.8	ug/Kg	99	3		82	125	20
	2-Hexanone	100	90.5	ug/Kg	91	8		66	138	20
	Dibromochloromethane	20	19.6	ug/Kg	98	0		79	125	20
	1,2-Dibromoethane	20	19.1	ug/Kg	96	4		80	125	20
	Tetrachloroethene	20	21.6	ug/Kg	108	15		83	125	20
	Chlorobenzene	20	20.1	ug/Kg	101	2		84	122	20
	Ethyl Benzene	20	20.1	ug/Kg	101	3		82	124	20
	m/p-Xylenes	40	39.5	ug/Kg	99	1		83	124	20
	o-Xylene	20	19.3	ug/Kg	97	2		83	123	20
	Styrene	20	19.3	ug/Kg	97	1		82	124	20
	Bromoform	20	19.0	ug/Kg	95	1		75	127	20
	Isopropylbenzene	20	20.5	ug/Kg	103	2		82	124	20
	1,1,2,2-Tetrachloroethane	20	18.7	ug/Kg	94	15		77	127	20
	1,3-Dichlorobenzene	20	20.1	ug/Kg	101	2		83	122	20
	1,4-Dichlorobenzene	20	19.7	ug/Kg	99	1		84	121	20
	1,2-Dichlorobenzene	20	19.8	ug/Kg	99	2		83	124	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2393 **Analytical Method:** SW8260D

Client: Union Paving & Construction Compai **Datafile :** VY022788.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0624SBSD01	1,2-Dibromo-3-Chloropropane	20	19.1	ug/Kg	96	1		66	134	20
	1,2,4-Trichlorobenzene	20	20.0	ug/Kg	100	4		78	127	20
	1,2,3-Trichlorobenzene	20	19.5	ug/Kg	98	3		70	137	20

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VOLATILE METHOD BLANK SUMMARY

Client ID: VY0624SBL01

Lab Name: Alliance | Contract: UNIO02

Lab Code: ACE | SDG NO.: Q2393

Lab File ID: VY022786.D | Lab Sample ID: VY0624SBL01

Date Analyzed: 06/24/2025 | Time Analyzed: 10:25

GC Column: RXI-624 ID: 0.25 (mm) | Heated Purge: (Y/N) Y

Instrument ID: MSVOA_Y

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VY0624SBS01	VY0624SBS01	VY022787.D	06/24/2025
VY0624SBSD01	VY0624SBSD01	VY022788.D	06/24/2025
PARK AVE -1	Q2393-02	VY022795.D	06/24/2025
PARK AVE -2	Q2393-04	VY022796.D	06/24/2025
PARK AVE -3	Q2393-06	VY022797.D	06/24/2025
PARK AVE -4	Q2393-08	VY022798.D	06/24/2025
PARK AVE -5	Q2393-10	VY022799.D	06/24/2025
PARK AVE -6	Q2393-12	VY022800.D	06/24/2025

COMMENTS:

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance
Contract: UNIO02
Lab Code: ACE
SDG NO.: Q2393
Lab File ID: VY022775.D
BFB Injection Date: 06/23/2025
Instrument ID: MSVOA_Y
BFB Injection Time: 10:17
GC Column: RXI-624 ID: 0.25 (mm)
Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	22.8
75	30.0 - 60.0% of mass 95	56.2
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.9 (1.1) 1
174	50.0 - 100.0% of mass 95	81.9
175	5.0 - 9.0% of mass 174	6 (7.4) 1
176	95.0 - 101.0% of mass 174	78.2 (95.5) 1
177	5.0 - 9.0% of mass 176	5.1 (6.5) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC005	VSTDICC005	VY022776.D	06/23/2025	13:38
VSTDICC010	VSTDICC010	VY022777.D	06/23/2025	14:00
VSTDICC020	VSTDICC020	VY022778.D	06/23/2025	14:23
VSTDICCC050	VSTDICCC050	VY022779.D	06/23/2025	14:46
VSTDICC100	VSTDICC100	VY022780.D	06/23/2025	15:08
VSTDICC150	VSTDICC150	VY022781.D	06/23/2025	15:31

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance
Contract: UNIO02
Lab Code: ACE
SDG NO.: Q2393
Lab File ID: VY022784.D
BFB Injection Date: 06/24/2025
Instrument ID: MSVOA_Y
BFB Injection Time: 08:49
GC Column: RXI-624 ID: 0.25 (mm)
Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	22.9
75	30.0 - 60.0% of mass 95	55.8
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.9 (1.2) 1
174	50.0 - 100.0% of mass 95	79.8
175	5.0 - 9.0% of mass 174	6.2 (7.7) 1
176	95.0 - 101.0% of mass 174	77.4 (96.9) 1
177	5.0 - 9.0% of mass 176	5.1 (6.6) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VY022785.D	06/24/2025	09:20
VY0624SBL01	VY0624SBL01	VY022786.D	06/24/2025	10:25
VY0624SBS01	VY0624SBS01	VY022787.D	06/24/2025	10:58
VY0624SBSD01	VY0624SBSD01	VY022788.D	06/24/2025	11:21
PARK AVE -1	Q2393-02	VY022795.D	06/24/2025	14:19
PARK AVE -2	Q2393-04	VY022796.D	06/24/2025	14:42
PARK AVE -3	Q2393-06	VY022797.D	06/24/2025	15:06
PARK AVE -4	Q2393-08	VY022798.D	06/24/2025	15:29
PARK AVE -5	Q2393-10	VY022799.D	06/24/2025	15:52
PARK AVE -6	Q2393-12	VY022800.D	06/24/2025	16:16

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: UNIO02

Lab Code: ACE SDG NO.: Q2393

Lab File ID: VY022785.D Date Analyzed: 06/24/2025

Instrument ID: MSVOA_Y Time Analyzed: 09:20

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	480569	7.71	788269	8.62	678315	11.41
UPPER LIMIT	961138	8.207	1576540	9.116	1356630	11.914
LOWER LIMIT	240285	7.207	394135	8.116	339158	10.914
EPA SAMPLE NO.						
PARK AVE -1	304407	7.71	544800	8.61	523860	11.41
PARK AVE -2	303546	7.71	553566	8.61	552957	11.41
PARK AVE -3	300789	7.70	557410	8.61	524757	11.41
PARK AVE -4	301973	7.70	544282	8.61	511623	11.41
PARK AVE -5	316843	7.71	576057	8.61	531349	11.41
PARK AVE -6	326857	7.70	591695	8.61	562315	11.41
VY0624SBL01	300507	7.71	535641	8.61	452693	11.41
VY0624SBS01	456381	7.70	765818	8.61	658494	11.41
VY0624SBSD01	454676	7.71	751533	8.61	644021	11.41

IS1 = Pentafluorobenzene
IS2 = 1,4-Difluorobenzene
IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: UNIO02

Lab Code: ACE SDG NO.: Q2393

Lab File ID: VY022785.D Date Analyzed: 06/24/2025

Instrument ID: MSVOA_Y Time Analyzed: 09:20

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS4 AREA #	RT #				
12 HOUR STD	340335	13.34				
UPPER LIMIT	680670	13.84				
LOWER LIMIT	170168	12.84				
EPA SAMPLE NO.						
PARK AVE -1	249712	13.34				
PARK AVE -2	278890	13.34				
PARK AVE -3	249630	13.34				
PARK AVE -4	231837	13.34				
PARK AVE -5	229194	13.34				
PARK AVE -6	253297	13.34				
VY0624SBL01	171409	13.34				
VY0624SBS01	311846	13.34				
VY0624SBSD01	303566	13.34				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

QC SAMPLE DATA

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Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	
Project:	190 Park Ave Hanover Twp NJ - PO 3556-001	Date Received:	
Client Sample ID:	VY0624SBL01	SDG No.:	Q2393
Lab Sample ID:	VY0624SBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022786.D	1	06/24/25 10:25	VY062425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.10	U	1.10	5.00	ug/Kg
74-87-3	Chloromethane	1.10	U	1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	0.79	U	0.79	5.00	ug/Kg
74-83-9	Bromomethane	1.10	U	1.10	5.00	ug/Kg
75-00-3	Chloroethane	1.30	U	1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	1.20	U	1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.10	U	1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	1.00	U	1.00	5.00	ug/Kg
67-64-1	Acetone	4.70	U	4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	1.10	U	1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.73	U	0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	1.50	U	1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	3.50	U	3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.86	U	0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	0.80	U	0.80	5.00	ug/Kg
110-82-7	Cyclohexane	0.79	U	0.79	5.00	ug/Kg
78-93-3	2-Butanone	6.50	U	6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	0.97	U	0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	1.20	U	1.20	5.00	ug/Kg
67-66-3	Chloroform	0.84	U	0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.93	U	0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	0.91	U	0.91	5.00	ug/Kg
71-43-2	Benzene	0.79	U	0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	0.79	U	0.79	5.00	ug/Kg
79-01-6	Trichloroethene	0.81	U	0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	0.91	U	0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	0.78	U	0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.60	U	3.60	25.0	ug/Kg
108-88-3	Toluene	0.78	U	0.78	5.00	ug/Kg

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Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	
Project:	190 Park Ave Hanover Twp NJ - PO 3556-001	Date Received:	
Client Sample ID:	VY0624SBL01	SDG No.:	Q2393
Lab Sample ID:	VY0624SBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022786.D	1	06/24/25 10:25	VY062425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.65	U	0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.62	U	0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.92	U	0.92	5.00	ug/Kg
591-78-6	2-Hexanone	3.70	U	3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	0.87	U	0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	0.88	U	0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	1.10	U	1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	0.91	U	0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	0.67	U	0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	1.20	U	1.20	10.0	ug/Kg
95-47-6	o-Xylene	0.82	U	0.82	5.00	ug/Kg
100-42-5	Styrene	0.71	U	0.71	5.00	ug/Kg
75-25-2	Bromoform	0.86	U	0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	0.78	U	0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.20	U	1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.70	U	1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.60	U	1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.50	U	1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.80	U	1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.00	U	3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.20	U	3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	54.5		63 - 155	109%	SPK: 50
1868-53-7	Dibromofluoromethane	52.4		70 - 134	105%	SPK: 50
2037-26-5	Toluene-d8	49.2		74 - 123	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	42.8		17 - 146	86%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	301000	7.707			
540-36-3	1,4-Difluorobenzene	536000	8.61			
3114-55-4	Chlorobenzene-d5	453000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	171000	13.34			

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Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	
Project:	190 Park Ave Hanover Twp NJ - PO 3556-001	Date Received:	
Client Sample ID:	VY0624SBL01	SDG No.:	Q2393
Lab Sample ID:	VY0624SBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022786.D	1	06/24/25 10:25	VY062425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
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
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	
Project:	190 Park Ave Hanover Twp NJ - PO 3556-001	Date Received:	
Client Sample ID:	VY0624SBS01	SDG No.:	Q2393
Lab Sample ID:	VY0624SBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022787.D	1	06/24/25 10:58	VY062425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	20.7		1.10	5.00	ug/Kg
74-87-3	Chloromethane	20.4		1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	20.3		0.79	5.00	ug/Kg
74-83-9	Bromomethane	21.4		1.10	5.00	ug/Kg
75-00-3	Chloroethane	20.3		1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	20.2		1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	20.5		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	20.1		1.00	5.00	ug/Kg
67-64-1	Acetone	100		4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	20.5		1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	20.1		0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	18.7		1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	18.3		3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	20.2		0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	20.5		0.80	5.00	ug/Kg
110-82-7	Cyclohexane	20.1		0.79	5.00	ug/Kg
78-93-3	2-Butanone	100		6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	19.9		0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	19.9		0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	20.5		1.20	5.00	ug/Kg
67-66-3	Chloroform	19.9		0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	20.5		0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	20.1		0.91	5.00	ug/Kg
71-43-2	Benzene	20.1		0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	20.1		0.79	5.00	ug/Kg
79-01-6	Trichloroethene	19.9		0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	20.3		0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	20.4		0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	100		3.60	25.0	ug/Kg
108-88-3	Toluene	19.8		0.78	5.00	ug/Kg

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Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	
Project:	190 Park Ave Hanover Twp NJ - PO 3556-001	Date Received:	
Client Sample ID:	VY0624SBS01	SDG No.:	Q2393
Lab Sample ID:	VY0624SBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022787.D	1	06/24/25 10:58	VY062425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	19.6		0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	20.2		0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	20.3		0.92	5.00	ug/Kg
591-78-6	2-Hexanone	98.6		3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	19.6		0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	20.0		0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	18.6		1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	19.7		0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	19.5		0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	39.0		1.20	10.0	ug/Kg
95-47-6	o-Xylene	19.0		0.82	5.00	ug/Kg
100-42-5	Styrene	19.1		0.71	5.00	ug/Kg
75-25-2	Bromoform	18.8		0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	20.1		0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	21.8		1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	19.7		1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	19.5		1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	19.4		1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	19.4		1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	19.1		3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	19.0		3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.7		63 - 155	101%	SPK: 50
1868-53-7	Dibromofluoromethane	51.1		70 - 134	102%	SPK: 50
2037-26-5	Toluene-d8	50.7		74 - 123	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.5		17 - 146	97%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	456000	7.701			
540-36-3	1,4-Difluorobenzene	766000	8.61			
3114-55-4	Chlorobenzene-d5	658000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	312000	13.34			

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Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	
Project:	190 Park Ave Hanover Twp NJ - PO 3556-001	Date Received:	
Client Sample ID:	VY0624SBS01	SDG No.:	Q2393
Lab Sample ID:	VY0624SBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022787.D	1	06/24/25 10:58	VY062425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
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
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	
Project:	190 Park Ave Hanover Twp NJ - PO 3556-001	Date Received:	
Client Sample ID:	VY0624SBSD01	SDG No.:	Q2393
Lab Sample ID:	VY0624SBSD01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022788.D	1	06/24/25 11:21	VY062425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	21.6		1.10	5.00	ug/Kg
74-87-3	Chloromethane	19.9		1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	20.6		0.79	5.00	ug/Kg
74-83-9	Bromomethane	20.6		1.10	5.00	ug/Kg
75-00-3	Chloroethane	20.0		1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	20.7		1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	21.0		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	20.0		1.00	5.00	ug/Kg
67-64-1	Acetone	94.2		4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	20.5		1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	19.1		0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	17.5		1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	17.9		3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	19.8		0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	20.3		0.80	5.00	ug/Kg
110-82-7	Cyclohexane	20.2		0.79	5.00	ug/Kg
78-93-3	2-Butanone	93.6		6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	20.6		0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	19.5		0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	20.2		1.20	5.00	ug/Kg
67-66-3	Chloroform	19.7		0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	20.4		0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	20.3		0.91	5.00	ug/Kg
71-43-2	Benzene	20.2		0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	20.3		0.79	5.00	ug/Kg
79-01-6	Trichloroethene	20.6		0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	20.0		0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	19.9		0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	95.0		3.60	25.0	ug/Kg
108-88-3	Toluene	20.0		0.78	5.00	ug/Kg

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

Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	
Project:	190 Park Ave Hanover Twp NJ - PO 3556-001	Date Received:	
Client Sample ID:	VY0624SBSD01	SDG No.:	Q2393
Lab Sample ID:	VY0624SBSD01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022788.D	1	06/24/25 11:21	VY062425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	19.3		0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	19.6		0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	19.8		0.92	5.00	ug/Kg
591-78-6	2-Hexanone	90.5		3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	19.6		0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	19.1		0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	21.6		1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	20.1		0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	20.1		0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	39.5		1.20	10.0	ug/Kg
95-47-6	o-Xylene	19.3		0.82	5.00	ug/Kg
100-42-5	Styrene	19.3		0.71	5.00	ug/Kg
75-25-2	Bromoform	19.0		0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	20.5		0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	18.7		1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	20.1		1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	19.7		1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	19.8		1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	19.1		1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	20.0		3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	19.5		3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.6		63 - 155	97%	SPK: 50
1868-53-7	Dibromofluoromethane	49.7		70 - 134	99%	SPK: 50
2037-26-5	Toluene-d8	50.5		74 - 123	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.7		17 - 146	95%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	455000	7.707			
540-36-3	1,4-Difluorobenzene	752000	8.609			
3114-55-4	Chlorobenzene-d5	644000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	304000	13.34			

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	
Project:	190 Park Ave Hanover Twp NJ - PO 3556-001	Date Received:	
Client Sample ID:	VY0624SBSD01	SDG No.:	Q2393
Lab Sample ID:	VY0624SBSD01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022788.D	1	06/24/25 11:21	VY062425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
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
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

CALIBRATION SUMMARY

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance | Contract: UNIO02

Lab Code: ACE | SDG No.: Q2393

Instrument ID: MSVOA_Y | Calibration Date(s): 06/23/2025 06/23/2025

Heated Purge: (Y/N) Y | Calibration Time(s): 13:38 15:31

GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID: RRF005 = VY022776.D RRF010 = VY022777.D RRF020 = VY022778.D
RRF050 = VY022779.D RRF100 = VY022780.D RRF150 = VY022781.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.424	0.456	0.474	0.424	0.404	0.384	0.428	7.7
Chloromethane	0.837	0.921	0.865	0.793	0.758	0.724	0.816	8.9
Vinyl Chloride	0.934	1.099	1.091	1.045	0.993	0.958	1.020	6.8
Bromomethane	0.784	0.885	0.854	0.771	0.760	0.756	0.802	6.8
Chloroethane	0.649	0.736	0.722	0.694	0.673	0.640	0.686	5.6
Trichlorofluoromethane	0.999	1.180	1.219	1.166	1.127	1.085	1.129	7
1,1,2-Trichlorotrifluoroethane	0.508	0.560	0.547	0.515	0.492	0.474	0.516	6.3
1,1-Dichloroethene	0.478	0.539	0.524	0.514	0.500	0.483	0.506	4.7
Acetone	0.117	0.124	0.114	0.095	0.096	0.087	0.105	13.9
Carbon Disulfide	1.516	1.705	1.731	1.667	1.625	1.566	1.635	5.1
Methyl tert-butyl Ether	1.173	1.398	1.396	1.435	1.460	1.405	1.378	7.5
Methyl Acetate	0.272	0.358	0.440	0.351	0.353	0.322	0.349	15.7
Methylene Chloride	0.840	0.777	0.664	0.590	0.578	0.548	0.666	17.7
trans-1,2-Dichloroethene	0.521	0.604	0.597	0.592	0.581	0.575	0.578	5.2
1,1-Dichloroethane	0.949	1.075	1.079	1.077	1.055	1.030	1.044	4.8
Cyclohexane	0.998	1.021	0.988	0.946	0.905	0.894	0.959	5.4
2-Butanone	0.145	0.160	0.160	0.153	0.156	0.147	0.154	4.4
Carbon Tetrachloride	0.439	0.498	0.507	0.491	0.492	0.491	0.486	5
cis-1,2-Dichloroethene	0.606	0.689	0.687	0.685	0.687	0.678	0.672	4.8
Bromochloromethane	0.437	0.431	0.437	0.459	0.443	0.427	0.439	2.6
Chloroform	0.986	1.130	1.099	1.096	1.084	1.059	1.076	4.6
1,1,1-Trichloroethane	0.847	0.945	0.973	0.950	0.939	0.923	0.929	4.7
Methylcyclohexane	0.543	0.589	0.610	0.618	0.608	0.611	0.596	4.7
Benzene	1.248	1.433	1.451	1.464	1.467	1.440	1.417	5.9
1,2-Dichloroethane	0.335	0.397	0.402	0.400	0.404	0.392	0.388	6.8
Trichloroethene	0.305	0.364	0.382	0.372	0.360	0.350	0.356	7.6
1,2-Dichloropropane	0.289	0.339	0.345	0.339	0.341	0.337	0.332	6.4
Bromodichloromethane	0.422	0.495	0.496	0.498	0.504	0.498	0.485	6.4
4-Methyl-2-Pentanone	0.168	0.201	0.215	0.226	0.230	0.221	0.210	10.9
Toluene	0.747	0.873	0.908	0.926	0.955	0.954	0.894	8.8

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance | Contract: UNIO02

Lab Code: ACE | SDG No.: Q2393

Instrument ID: MSVOA_Y | Calibration Date(s): 06/23/2025 06/23/2025

Heated Purge: (Y/N) Y | Calibration Time(s): 13:38 15:31

GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID: RRF005 = VY022776.D RRF010 = VY022777.D RRF020 = VY022778.D
RRF050 = VY022779.D RRF100 = VY022780.D RRF150 = VY022781.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
t-1,3-Dichloropropene	0.355	0.430	0.438	0.451	0.473	0.473	0.437	10
cis-1,3-Dichloropropene	0.412	0.503	0.523	0.524	0.540	0.538	0.506	9.6
1,1,2-Trichloroethane	0.207	0.249	0.249	0.253	0.255	0.250	0.244	7.4
2-Hexanone	0.115	0.140	0.145	0.151	0.157	0.149	0.143	10.5
Dibromochloromethane	0.260	0.315	0.321	0.329	0.336	0.329	0.315	8.8
1,2-Dibromoethane	0.193	0.231	0.229	0.237	0.244	0.236	0.228	7.8
Tetrachloroethene	0.399	0.465	0.535	0.515	0.473	0.446	0.472	10.3
Chlorobenzene	0.981	1.110	1.131	1.126	1.130	1.114	1.099	5.3
Ethyl Benzene	1.644	1.881	1.971	2.029	2.040	2.018	1.930	7.9
m/p-Xylenes	0.624	0.722	0.759	0.782	0.800	0.791	0.746	8.8
o-Xylene	0.578	0.674	0.708	0.734	0.759	0.765	0.703	10
Styrene	0.926	1.108	1.165	1.249	1.309	1.309	1.178	12.5
Bromoform	0.178	0.204	0.203	0.212	0.225	0.220	0.207	8
Isopropylbenzene	3.354	3.764	3.823	3.778	3.709	3.759	3.698	4.7
1,1,2,2-Tetrachloroethane	0.597	0.659	0.566	0.567	0.594	0.593	0.596	5.6
1,3-Dichlorobenzene	1.546	1.660	1.692	1.708	1.750	1.744	1.683	4.5
1,4-Dichlorobenzene	1.564	1.740	1.688	1.685	1.690	1.666	1.672	3.5
1,2-Dichlorobenzene	1.395	1.488	1.502	1.499	1.515	1.502	1.483	3
1,2-Dibromo-3-Chloropropane	0.102	0.101	0.103	0.103	0.102	0.096	0.101	2.7
1,2,4-Trichlorobenzene	0.778	0.841	0.848	0.843	0.871	0.845	0.838	3.7
1,2,3-Trichlorobenzene	0.679	0.723	0.735	0.728	0.751	0.727	0.724	3.3
1,2-Dichloroethane-d4	0.568	0.550	0.557	0.559	0.571	0.545	0.558	1.8
Dibromofluoromethane	0.306	0.297	0.295	0.304	0.314	0.308	0.304	2.3
Toluene-d8	1.182	1.148	1.186	1.215	1.262	1.247	1.207	3.6
4-Bromofluorobenzene	0.368	0.362	0.370	0.385	0.423	0.421	0.388	7

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance | Contract: UNIO02

Lab Code: ACE | SDG No.: Q2393

Instrument ID: MSVOA_Y | Calibration Date/Time: 06/24/2025 09:20

Lab File ID: VY022785.D | Init. Calib. Date(s): 06/23/2025 06/23/2025

Heated Purge: (Y/N) Y | Init. Calib. Time(s): 13:38 15:31

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.428	0.390		-8.88	20
Chloromethane	0.816	0.733	0.1	-10.17	20
Vinyl Chloride	1.020	0.931		-8.73	20
Bromomethane	0.802	0.695		-13.34	20
Chloroethane	0.686	0.626		-8.75	20
Trichlorofluoromethane	1.129	1.023		-9.39	20
1,1,2-Trichlorotrifluoroethane	0.516	0.503		-2.52	20
1,1-Dichloroethene	0.506	0.489		-3.36	20
Acetone	0.105	0.124		18.09	20
Carbon Disulfide	1.635	1.605		-1.84	20
Methyl tert-butyl Ether	1.378	1.347		-2.25	20
Methyl Acetate	0.349	0.296		-15.19	20
Methylene Chloride	0.666	0.577		-13.36	20
trans-1,2-Dichloroethene	0.578	0.559		-3.29	20
1,1-Dichloroethane	1.044	1.022	0.1	-2.11	20
Cyclohexane	0.959	0.899		-6.26	20
2-Butanone	0.154	0.159		3.25	20
Carbon Tetrachloride	0.486	0.484		-0.41	20
cis-1,2-Dichloroethene	0.672	0.652		-2.98	20
Bromochloromethane	0.439	0.438		-0.23	20
Chloroform	1.076	1.045		-2.79	20
1,1,1-Trichloroethane	0.929	0.904		-2.69	20
Methylcyclohexane	0.596	0.602		1.01	20
Benzene	1.417	1.410		-0.49	20
1,2-Dichloroethane	0.388	0.391		0.77	20
Trichloroethene	0.356	0.347		-2.53	20
1,2-Dichloropropane	0.332	0.331		-0.3	20
Bromodichloromethane	0.485	0.484		-0.21	20
4-Methyl-2-Pentanone	0.210	0.214		1.9	20
Toluene	0.894	0.889		-0.56	20
t-1,3-Dichloropropene	0.437	0.441		0.92	20
cis-1,3-Dichloropropene	0.506	0.512		1.19	20
1,1,2-Trichloroethane	0.244	0.245		0.41	20
2-Hexanone	0.143	0.150		4.89	20
Dibromochloromethane	0.315	0.315		0	20
1,2-Dibromoethane	0.228	0.226		-0.88	20
Tetrachloroethene	0.472	0.441		-6.57	20
Chlorobenzene	1.099	1.101	0.3	0.18	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: UNIO02

Lab Code: ACE SDG No.: Q2393

Instrument ID: MSVOA_Y Calibration Date/Time: 06/24/2025 09:20

Lab File ID: VY022785.D Init. Calib. Date(s): 06/23/2025 06/23/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 13:38 15:31

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.930	1.991		3.16	20
m/p-Xylenes	0.746	0.768		2.95	20
o-Xylene	0.703	0.719		2.28	20
Styrene	1.178	1.214		3.06	20
Bromoform	0.207	0.204	0.1	-1.45	20
Isopropylbenzene	3.698	3.705		0.19	20
1,1,2,2-Tetrachloroethane	0.596	0.613	0.3	2.85	20
1,3-Dichlorobenzene	1.683	1.685		0.12	20
1,4-Dichlorobenzene	1.672	1.646		-1.55	20
1,2-Dichlorobenzene	1.483	1.446		-2.49	20
1,2-Dibromo-3-Chloropropane	0.101	0.097		-3.96	20
1,2,4-Trichlorobenzene	0.838	0.807		-3.7	20
1,2,3-Trichlorobenzene	0.724	0.692		-4.42	20
1,2-Dichloroethane-d4	0.558	0.544		-2.51	20
Dibromofluoromethane	0.304	0.310		1.97	20
Toluene-d8	1.207	1.226		1.57	20
4-Bromofluorobenzene	0.388	0.387		-0.26	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

SAMPLE RAW DATA

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062425\
Data File : VY022795.D
Acq On : 24 Jun 2025 14:19
Operator : SY/MD
Sample : Q2393-02
Misc : 6.33g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PARK AVE -1

Quant Time: Jun 25 01:26:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 2025
Response via : Initial Calibration

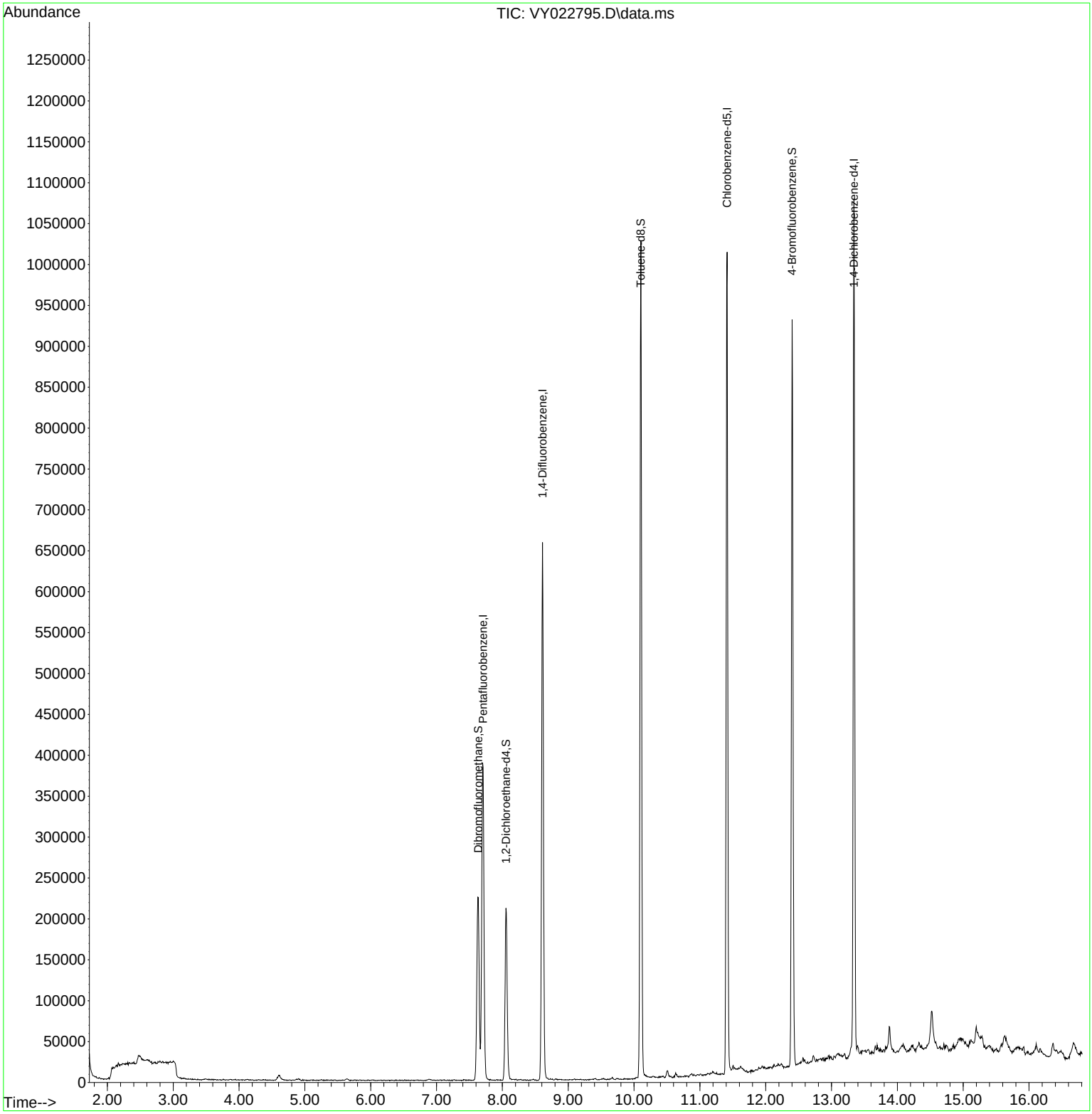
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	304407	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	544800	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	523860	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	249712	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	165094	48.593	ug/l	-0.01
Spiked Amount 50.000	Range 50 - 163		Recovery = 97.180%			
35) Dibromofluoromethane	7.634	113	162370	49.007	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.020%			
50) Toluene-d8	10.103	98	652469	49.628	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.260%			
62) 4-Bromofluorobenzene	12.401	95	243354	57.579	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 115.160%			
Target Compounds						Qvalue

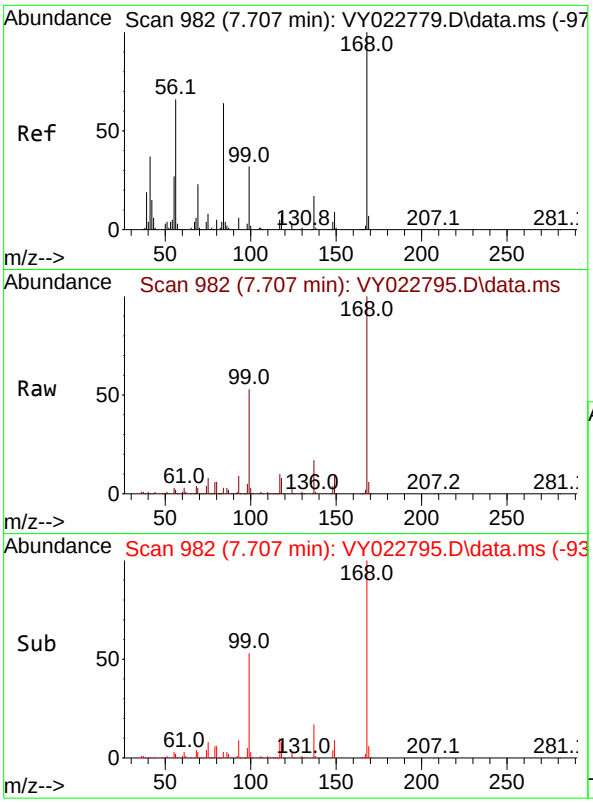
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062425\
Data File : VY022795.D
Acq On : 24 Jun 2025 14:19
Operator : SY/MD
Sample : Q2393-02
Misc : 6.33g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PARK AVE -1

Quant Time: Jun 25 01:26:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 2025
Response via : Initial Calibration



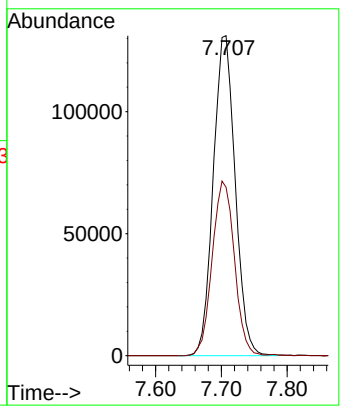


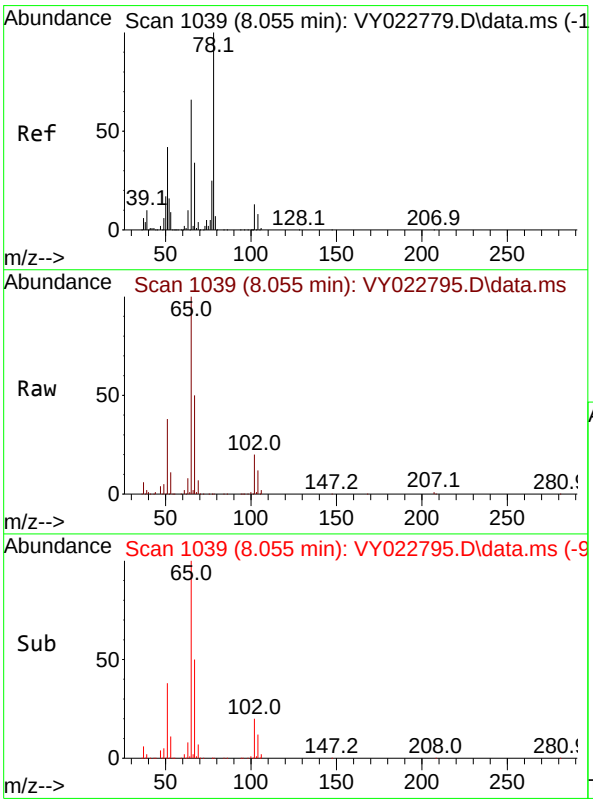
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022795.D
Acq: 24 Jun 2025 14:19

Instrument :
MSVOA_Y
ClientSampleId :
PARK AVE -1

Tgt Ion:168 Resp: 304407

Ion	Ratio	Lower	Upper
168	100		
99	52.6	44.3	66.5

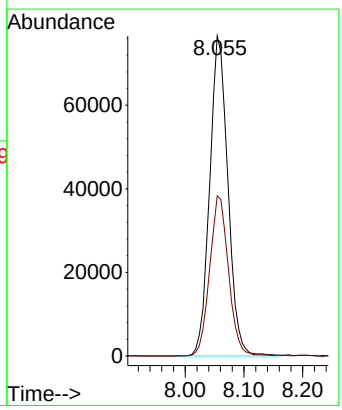


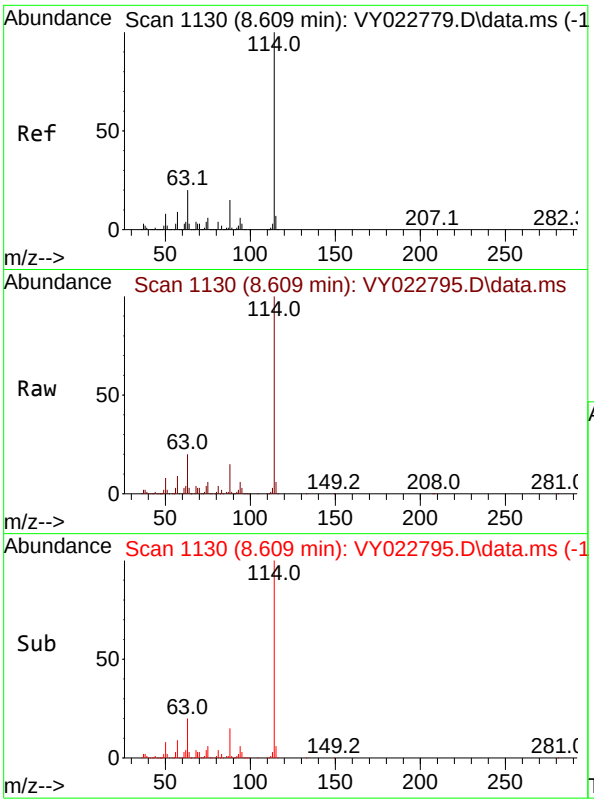


#33
1,2-Dichloroethane-d4
Concen: 48.593 ug/l
RT: 8.055 min Scan# 1039
Delta R.T. -0.013 min
Lab File: VY022795.D
Acq: 24 Jun 2025 14:19

Tgt Ion: 65 Resp: 165094

Ion	Ratio	Lower	Upper
65	100		
67	51.7	0.0	103.4



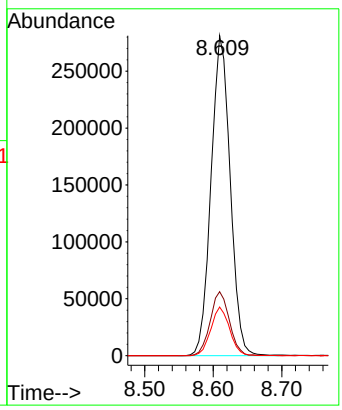


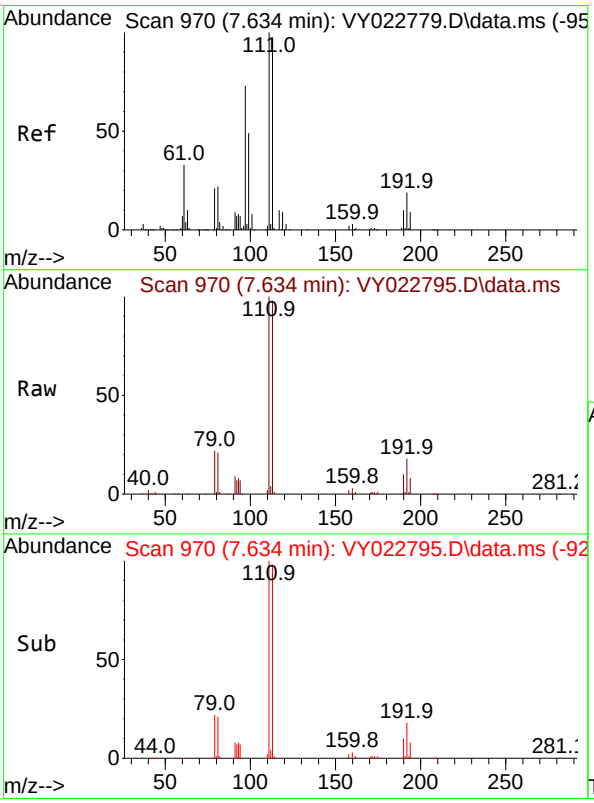
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.609 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022795.D
Acq: 24 Jun 2025 14:19

Instrument :
MSVOA_Y
ClientSampleId :
PARK AVE -1

Tgt Ion:114 Resp: 544800

Ion	Ratio	Lower	Upper
114	100		
63	20.0	0.0	40.8
88	15.2	0.0	27.8

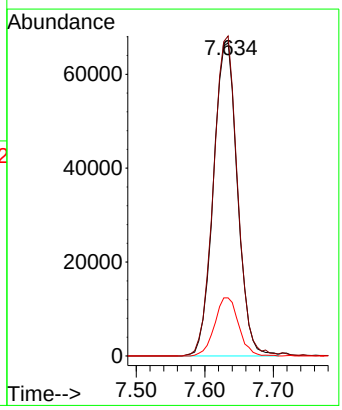


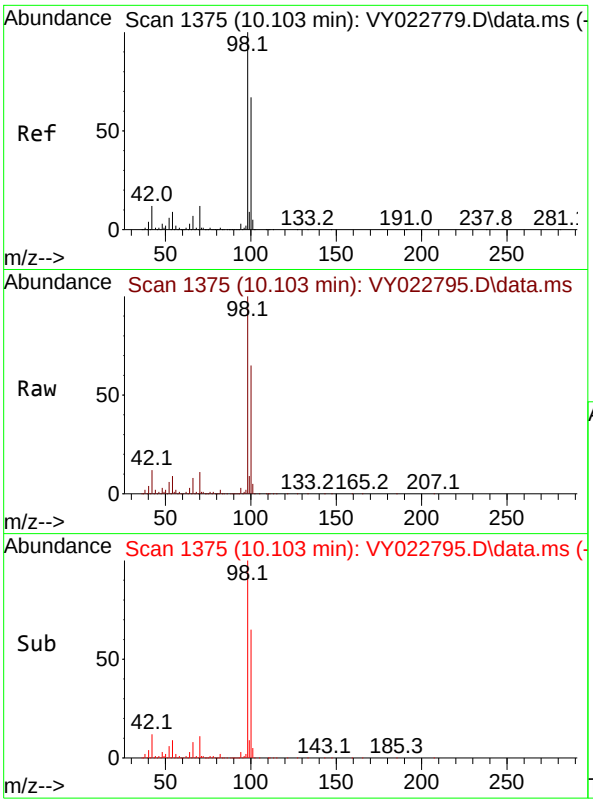


#35
Dibromofluoromethane
Concen: 49.007 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY022795.D
Acq: 24 Jun 2025 14:19

Tgt Ion:113 Resp: 162370

Ion	Ratio	Lower	Upper
113	100		
111	101.8	81.1	121.7
192	18.5	14.2	21.2



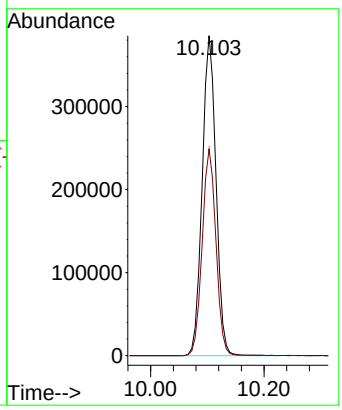


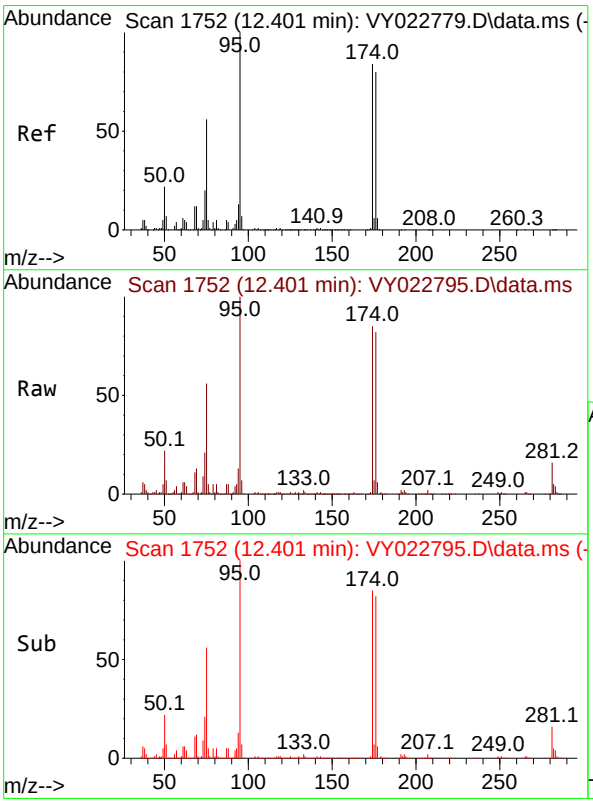
#50
Toluene-d8
Concen: 49.628 ug/l
RT: 10.103 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022795.D
Acq: 24 Jun 2025 14:19

Instrument :
MSVOA_Y
ClientSampleId :
PARK AVE -1

Tgt Ion: 98 Resp: 652469

Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.4	77.0

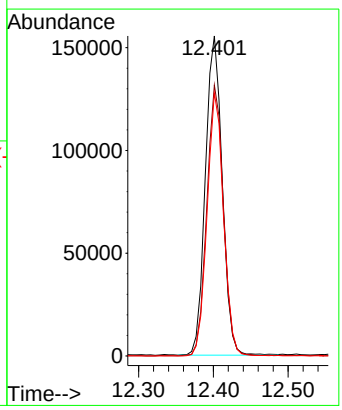


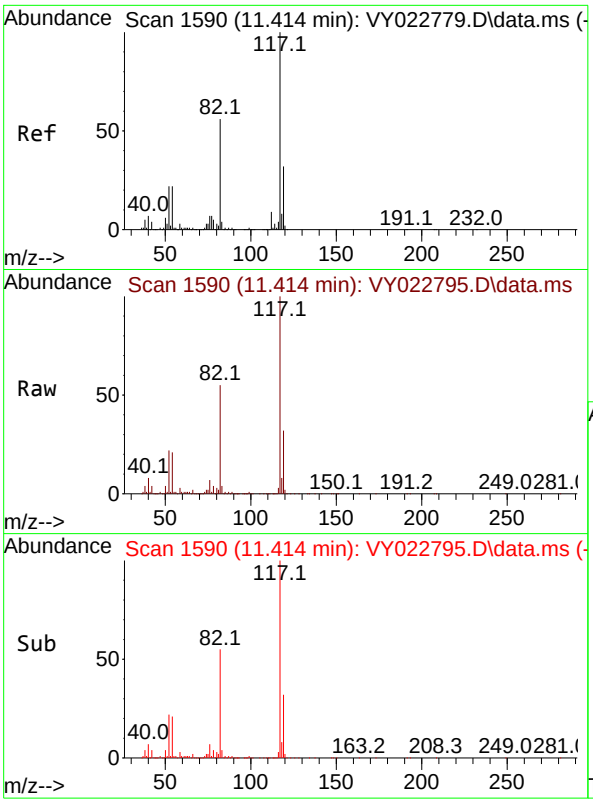


#62
4-Bromofluorobenzene
Concen: 57.579 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022795.D
Acq: 24 Jun 2025 14:19

Tgt Ion: 95 Resp: 243354

Ion	Ratio	Lower	Upper
95	100		
174	83.9	0.0	170.0
176	80.1	0.0	166.2



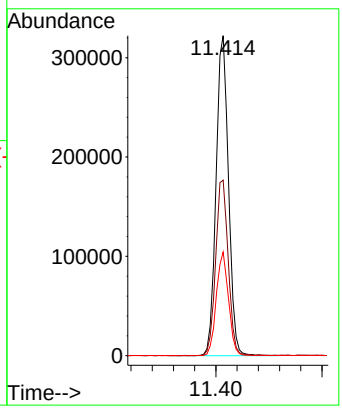


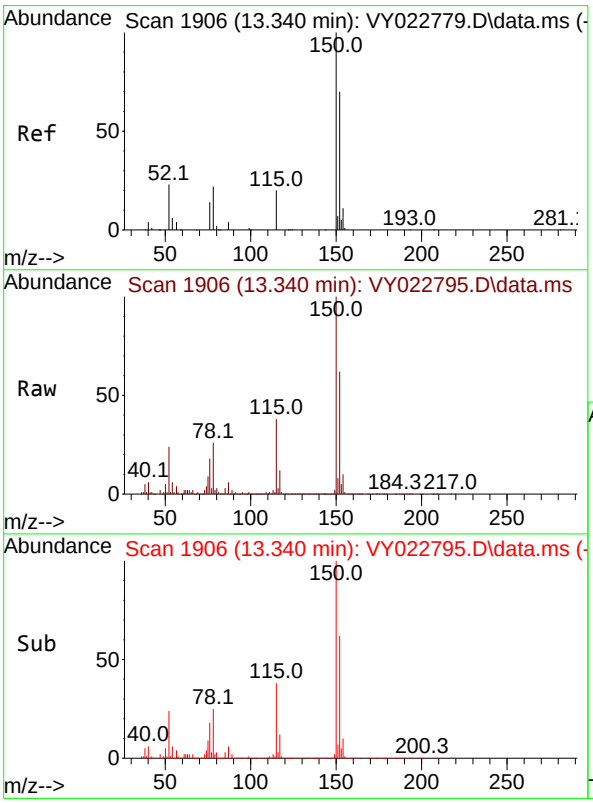
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022795.D
Acq: 24 Jun 2025 14:19

Instrument :
MSVOA_Y
ClientSampleId :
PARK AVE -1

Tgt Ion:117 Resp: 523860

Ion	Ratio	Lower	Upper
117	100		
82	54.9	44.6	66.8
119	32.4	25.4	38.0

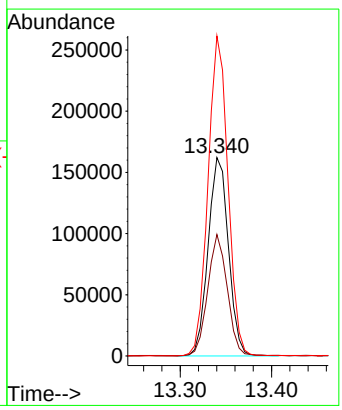




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.340 min Scan# 1906
Delta R.T. -0.006 min
Lab File: VY022795.D
Acq: 24 Jun 2025 14:19

Tgt Ion:152 Resp: 249712

Ion	Ratio	Lower	Upper
152	100		
115	58.4	28.9	86.7
150	158.3	0.0	349.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062425\
Data File : VY022795.D
Acq On : 24 Jun 2025 14:19
Operator : SY/MD
Sample : Q2393-02
Misc : 6.33g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PARK AVE -1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Title : SW846 8260

Signal : TIC: VY022795.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.068	51	57	58	rBV3	13683	19417	1.12%	0.195%
2	4.604	465	473	481	rBV6	6184	19469	1.12%	0.196%
3	7.628	956	969	975	rBV	224050	550378	31.72%	5.528%
4	7.701	975	981	997	rVB	387902	910778	52.49%	9.149%
5	8.055	1030	1039	1049	rBV	210479	471352	27.16%	4.735%
6	8.609	1119	1130	1142	rBV	657685	1278105	73.66%	12.838%
7	10.103	1368	1375	1384	rBV	1022855	1735215	100.00%	17.430%
8	10.511	1434	1442	1445	rBV3	8630	18365	1.06%	0.184%
9	11.414	1582	1590	1600	rBV	1005297	1662443	95.81%	16.699%
10	12.401	1745	1752	1761	rBV2	912980	1575699	90.81%	15.828%
11	13.340	1900	1906	1913	rVB	1039404	1557478	89.76%	15.645%
12	13.877	1991	1994	2001	rVB2	28567	49614	2.86%	0.498%
13	14.523	2096	2100	2109	rVB3	38752	88169	5.08%	0.886%
14	15.200	2208	2211	2214	rBV5	13711	18846	1.09%	0.189%

Sum of corrected areas: 9955328

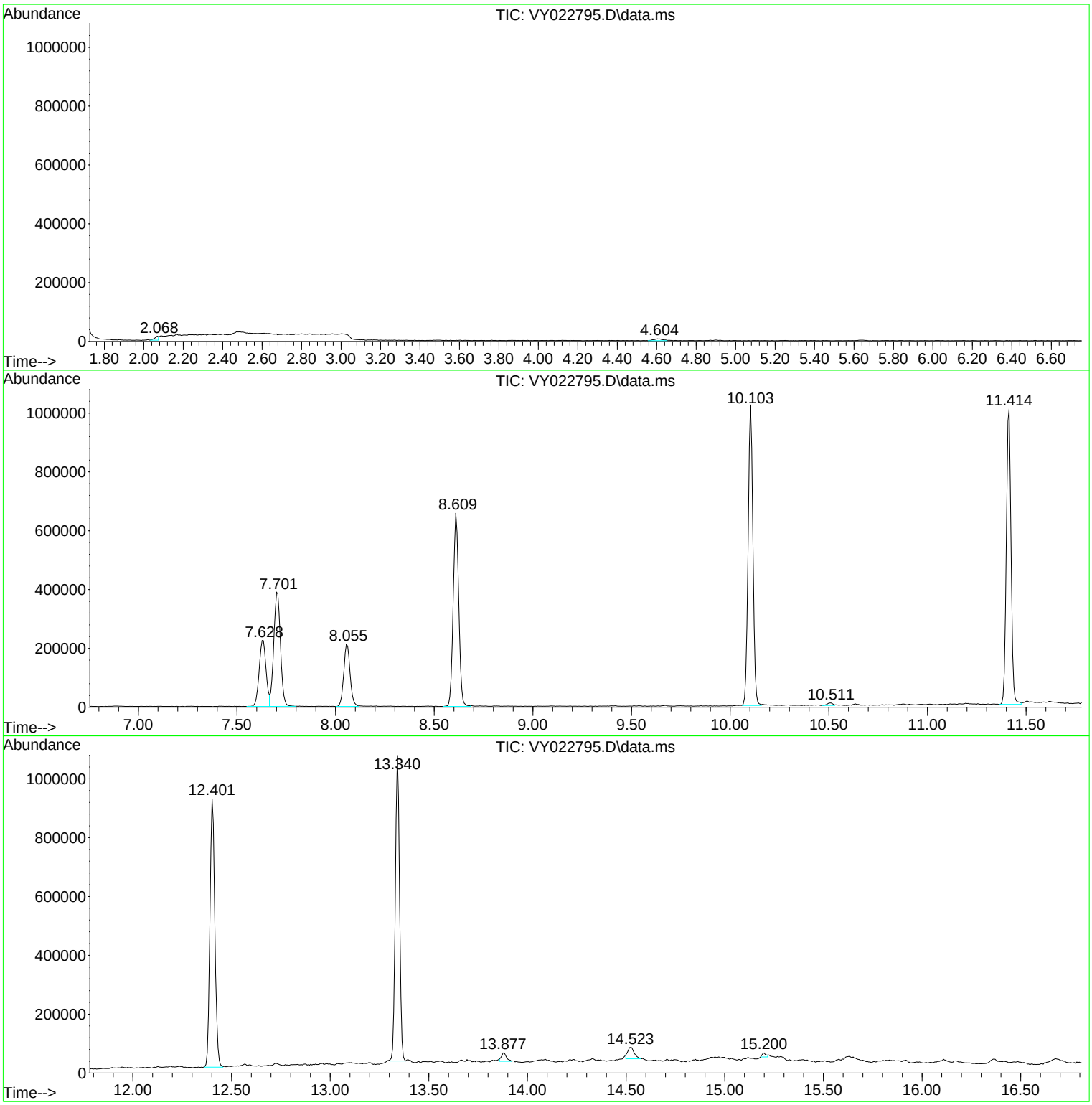
Sample Results: **VY022795.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062425\
Data File : VY022795.D
Acq On : 24 Jun 2025 14:19
Operator : SY/MD
Sample : Q2393-02
Misc : 6.33g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PARK AVE -1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062425\
Data File : VY022795.D
Acq On : 24 Jun 2025 14:19
Operator : SY/MD
Sample : Q2393-02
Misc : 6.33g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PARK AVE -1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062425\
Data File : VY022795.D
Acq On : 24 Jun 2025 14:19
Operator : SY/MD
Sample : Q2393-02
Misc : 6.33g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PARK AVE -1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	Internal Standard #	Internal Standard RT	Internal Standard Resp	Internal Standard Conc

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062425\
Data File : VY022796.D
Acq On : 24 Jun 2025 14:42
Operator : SY/MD
Sample : Q2393-04
Misc : 8.44g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PARK AVE -2

Quant Time: Jun 25 01:26:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	303546	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	553566	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	552957	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	278890	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	189174	55.838	ug/l	-0.01
Spiked Amount 50.000	Range 50 - 163		Recovery = 111.680%			
35) Dibromofluoromethane	7.628	113	175070	52.003	ug/l	-0.01
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.000%			
50) Toluene-d8	10.103	98	667750	49.986	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.980%			
62) 4-Bromofluorobenzene	12.401	95	262300	61.079	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 122.160%			

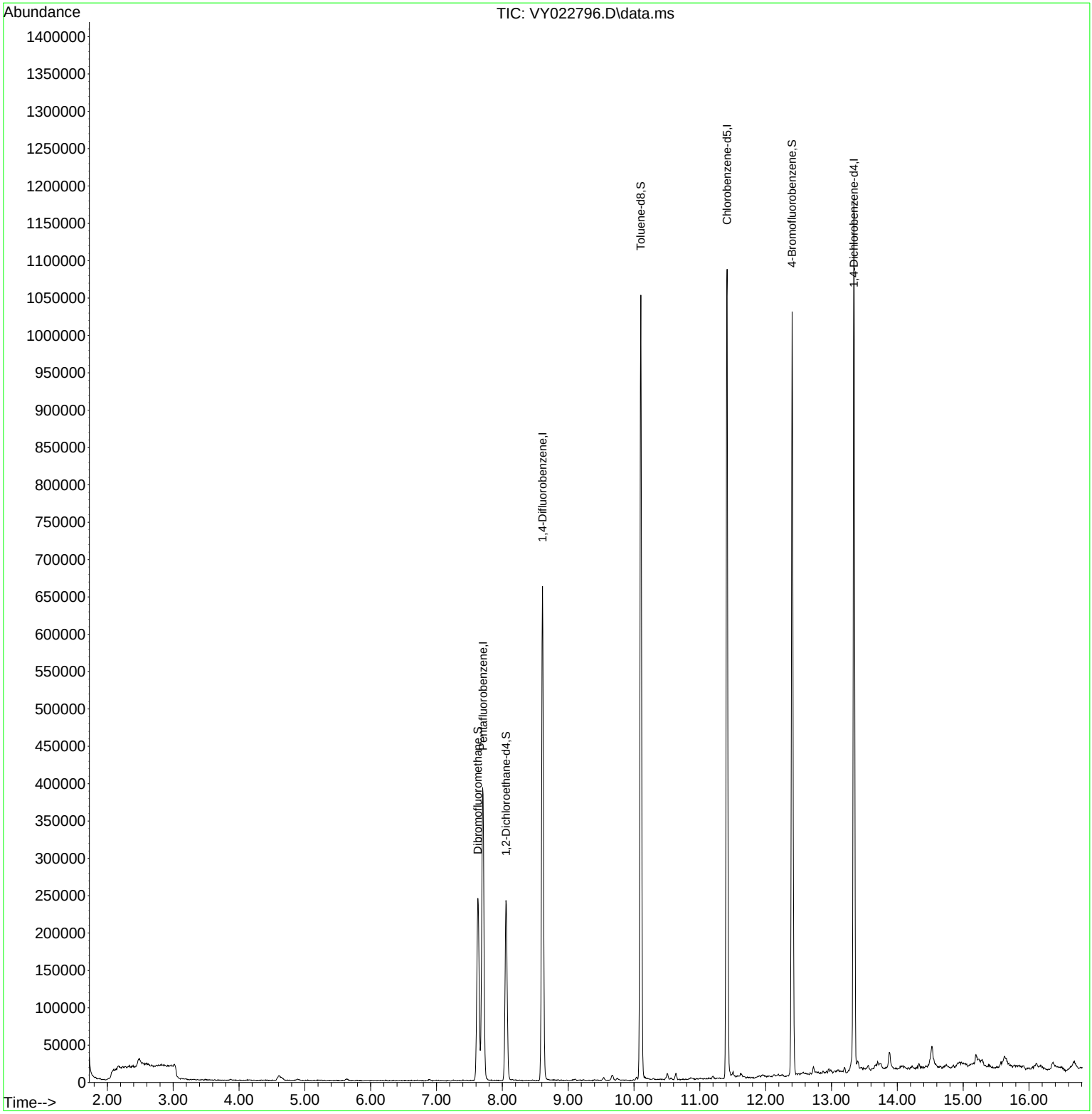
Target Compounds Qvalue

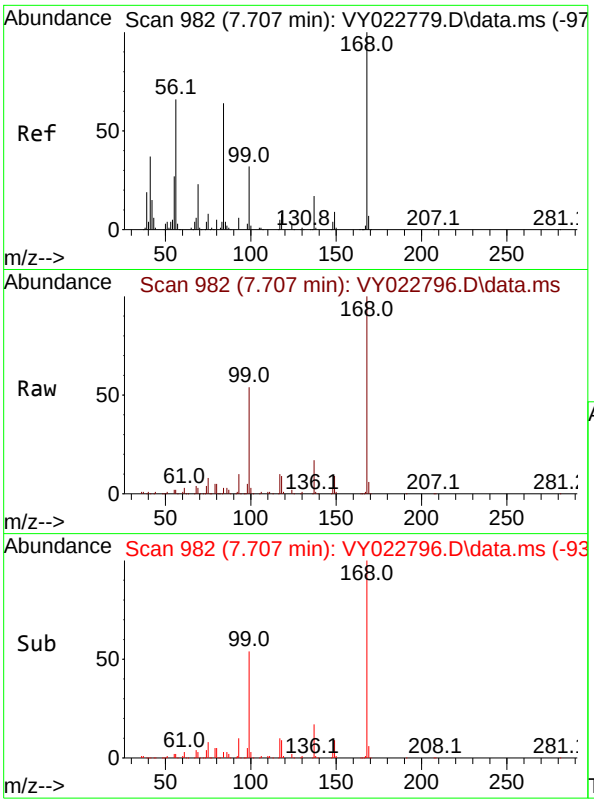
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062425\
Data File : VY022796.D
Acq On : 24 Jun 2025 14:42
Operator : SY/MD
Sample : Q2393-04
Misc : 8.44g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PARK AVE -2

Quant Time: Jun 25 01:26:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 2025
Response via : Initial Calibration



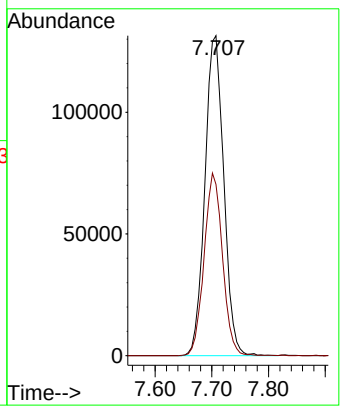


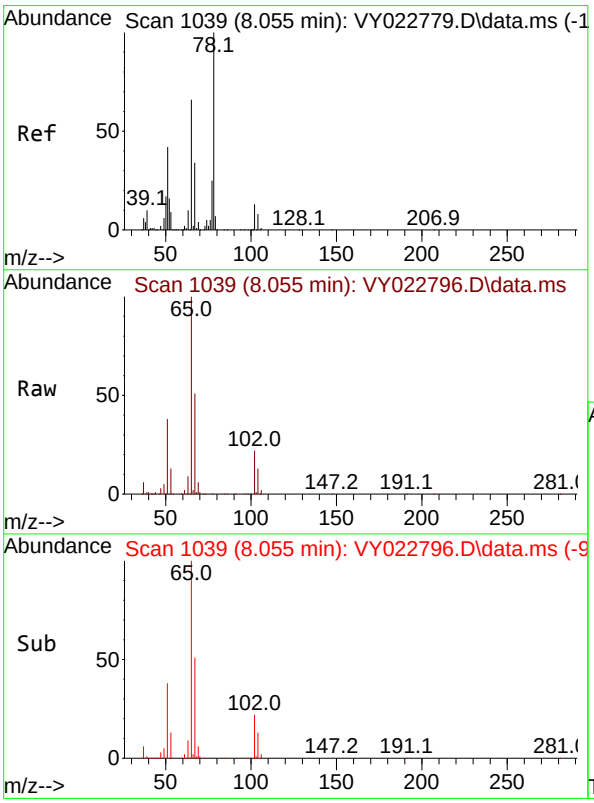
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022796.D
Acq: 24 Jun 2025 14:42

Instrument :
MSVOA_Y
ClientSampleId :
PARK AVE -2

Tgt Ion:168 Resp: 303546

Ion	Ratio	Lower	Upper
168	100		
99	53.5	44.3	66.5

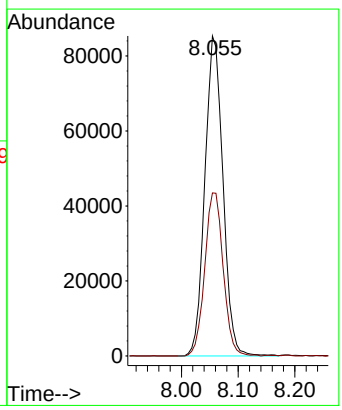


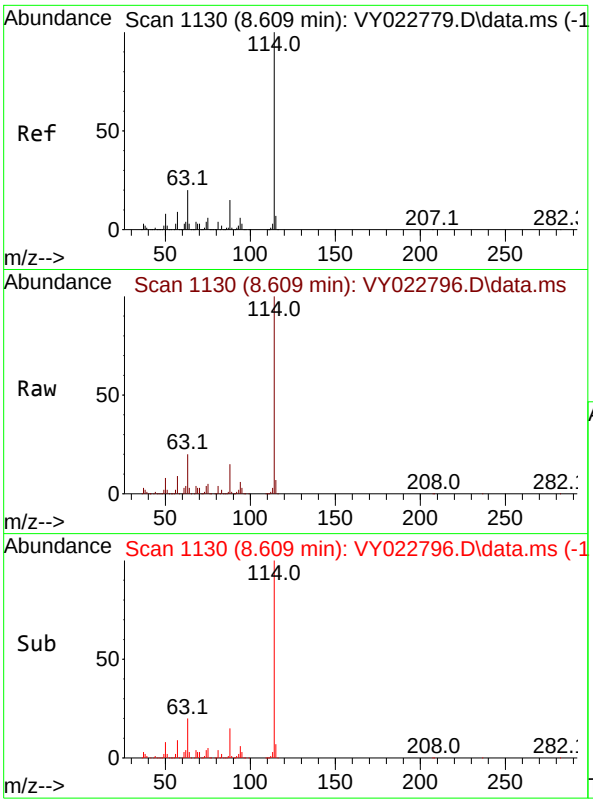


#33
1,2-Dichloroethane-d4
Concen: 55.838 ug/l
RT: 8.055 min Scan# 1039
Delta R.T. -0.012 min
Lab File: VY022796.D
Acq: 24 Jun 2025 14:42

Tgt Ion: 65 Resp: 189174

Ion	Ratio	Lower	Upper
65	100		
67	52.0	0.0	103.4



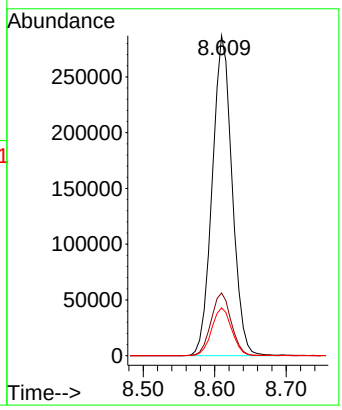


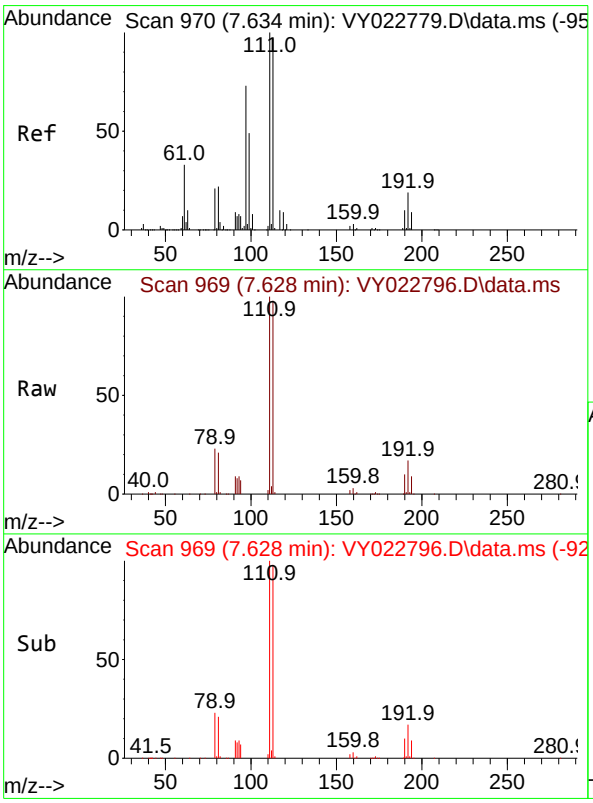
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.609 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022796.D
Acq: 24 Jun 2025 14:42

Instrument :
MSVOA_Y
ClientSampleId :
PARK AVE -2

Tgt Ion:114 Resp: 553566

Ion	Ratio	Lower	Upper
114	100		
63	19.6	0.0	40.8
88	14.9	0.0	27.8

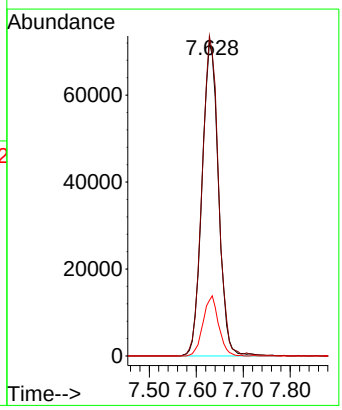


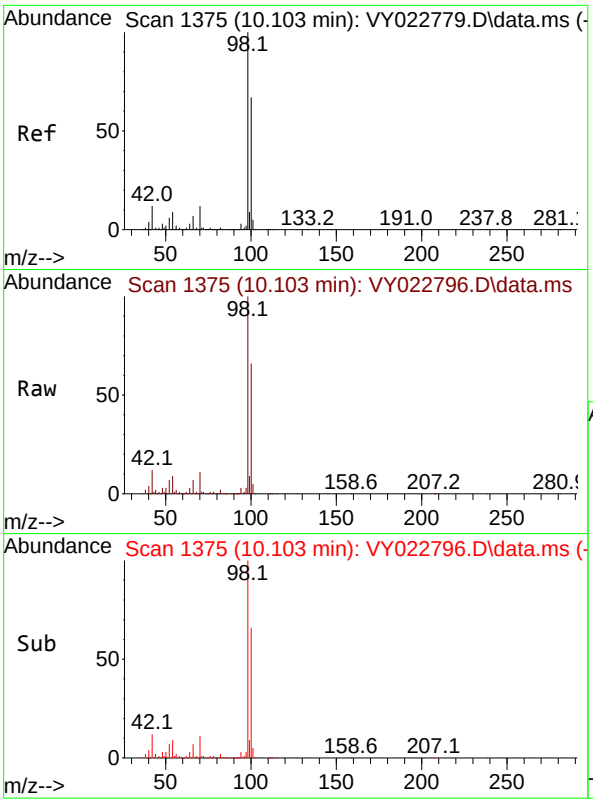


#35
Dibromofluoromethane
Concen: 52.003 ug/l
RT: 7.628 min Scan# 969
Delta R.T. -0.012 min
Lab File: VY022796.D
Acq: 24 Jun 2025 14:42

Tgt Ion:113 Resp: 175070

Ion	Ratio	Lower	Upper
113	100		
111	101.2	81.1	121.7
192	18.1	14.2	21.2



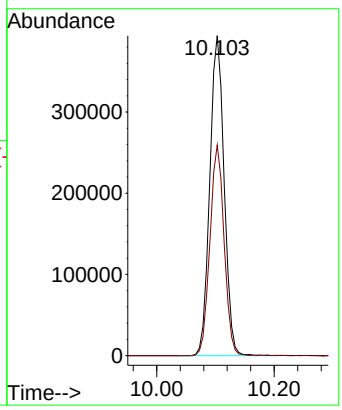


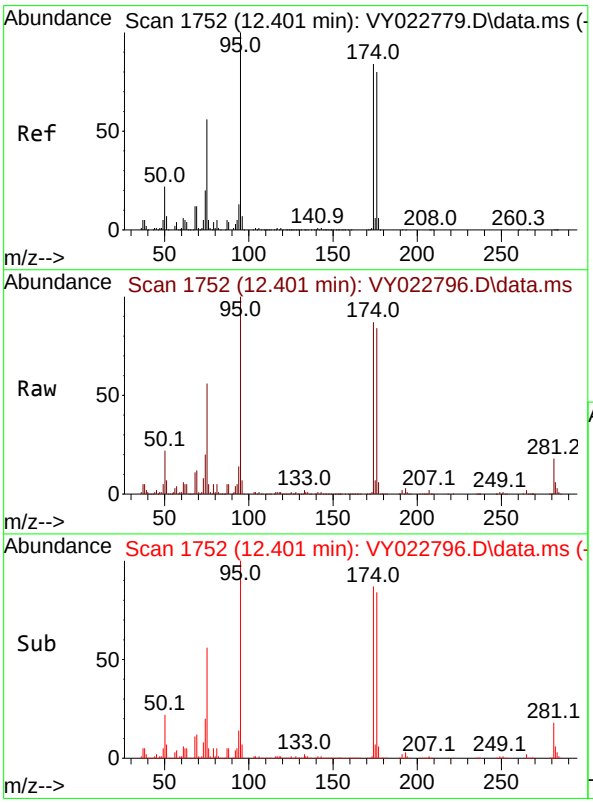
#50
Toluene-d8
Concen: 49.986 ug/l
RT: 10.103 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022796.D
Acq: 24 Jun 2025 14:42

Instrument :
MSVOA_Y
ClientSampleId :
PARK AVE -2

Tgt Ion: 98 Resp: 667750

Ion	Ratio	Lower	Upper
98	100		
100	65.0	51.4	77.0

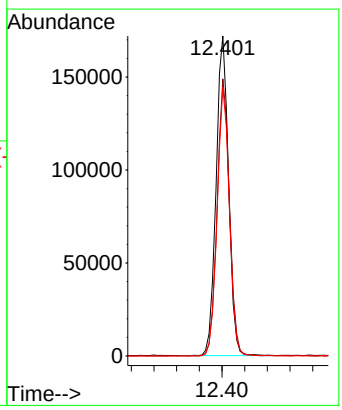


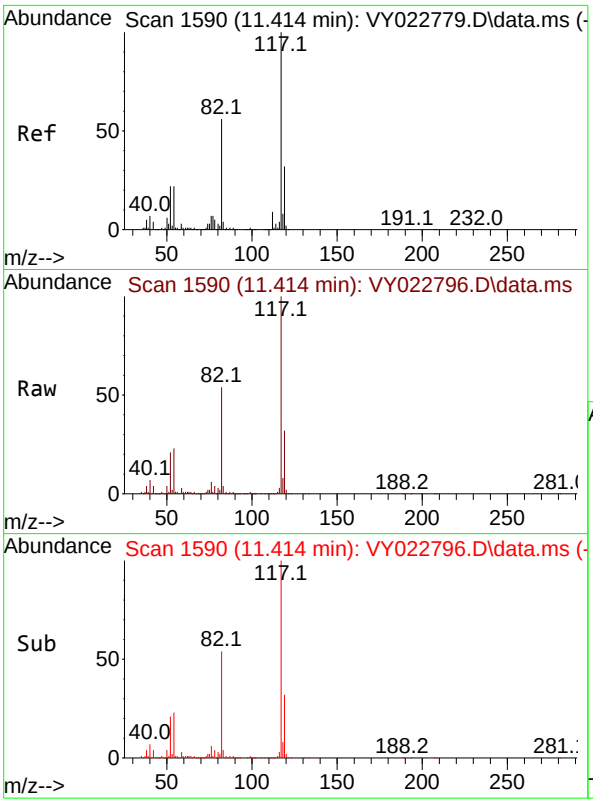


#62
4-Bromofluorobenzene
Concen: 61.079 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022796.D
Acq: 24 Jun 2025 14:42

Tgt Ion: 95 Resp: 262300

Ion	Ratio	Lower	Upper
95	100		
174	86.3	0.0	170.0
176	82.5	0.0	166.2



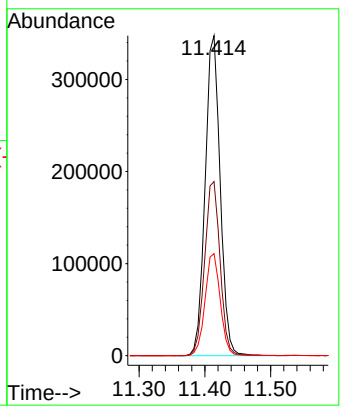


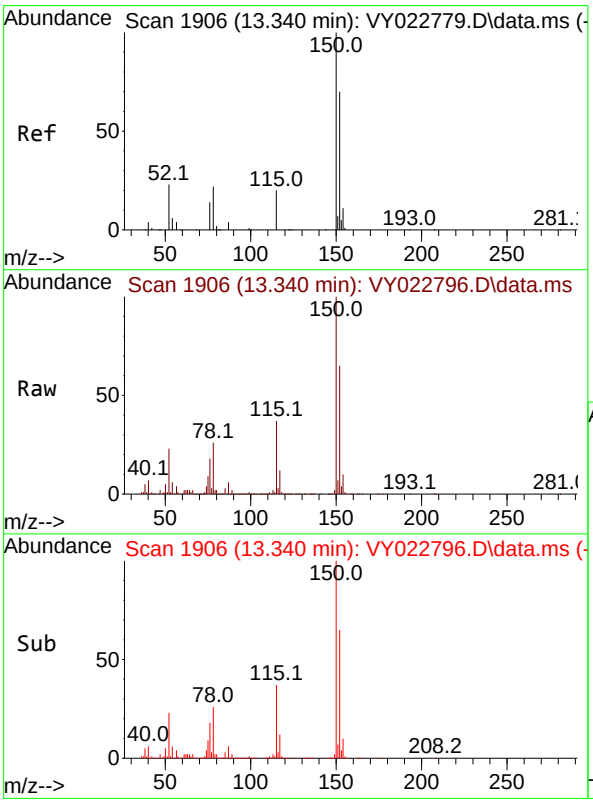
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022796.D
Acq: 24 Jun 2025 14:42

Instrument :
MSVOA_Y
ClientSampleId :
PARK AVE -2

Tgt Ion:117 Resp: 552957

Ion	Ratio	Lower	Upper
117	100		
82	54.4	44.6	66.8
119	31.9	25.4	38.0

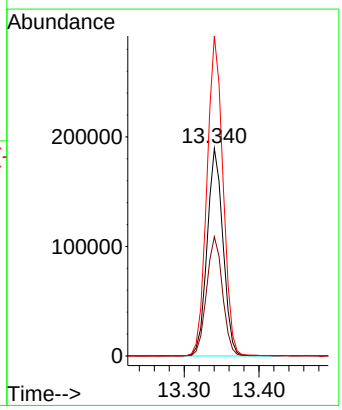




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.340 min Scan# 1906
Delta R.T. -0.006 min
Lab File: VY022796.D
Acq: 24 Jun 2025 14:42

Tgt Ion:152 Resp: 278890

Ion	Ratio	Lower	Upper
152	100		
115	57.7	28.9	86.7
150	156.6	0.0	349.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062425\
Data File : VY022796.D
Acq On : 24 Jun 2025 14:42
Operator : SY/MD
Sample : Q2393-04
Misc : 8.44g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PARK AVE -2

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Title : SW846 8260

Signal : TIC: VY022796.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.092	50	61	64	rBV3	12401	38372	2.15%	0.362%
2	2.172	69	74	80	rVV10	5725	20170	1.13%	0.190%
3	7.628	959	969	975	rBV	243792	585580	32.86%	5.518%
4	7.701	975	981	992	rVB	390542	900381	50.52%	8.485%
5	8.055	1030	1039	1051	rBV	241522	542633	30.45%	5.113%
6	8.609	1120	1130	1144	rBV	662257	1302233	73.07%	12.271%
7	10.103	1367	1375	1383	rBV	1049674	1782231	100.00%	16.794%
8	11.414	1582	1590	1600	rBV	1083501	1761486	98.84%	16.599%
9	12.401	1743	1752	1761	rBV2	1023241	1750562	98.22%	16.496%
10	13.340	1895	1906	1912	rBV	1165136	1763490	98.95%	16.618%
11	13.877	1989	1994	2006	rVB2	22318	54144	3.04%	0.510%
12	14.523	2092	2100	2109	rBV4	25286	67090	3.76%	0.632%
13	15.194	2206	2210	2214	rBV5	12358	23323	1.31%	0.220%
14	16.364	2396	2402	2407	rBV9	8322	20371	1.14%	0.192%

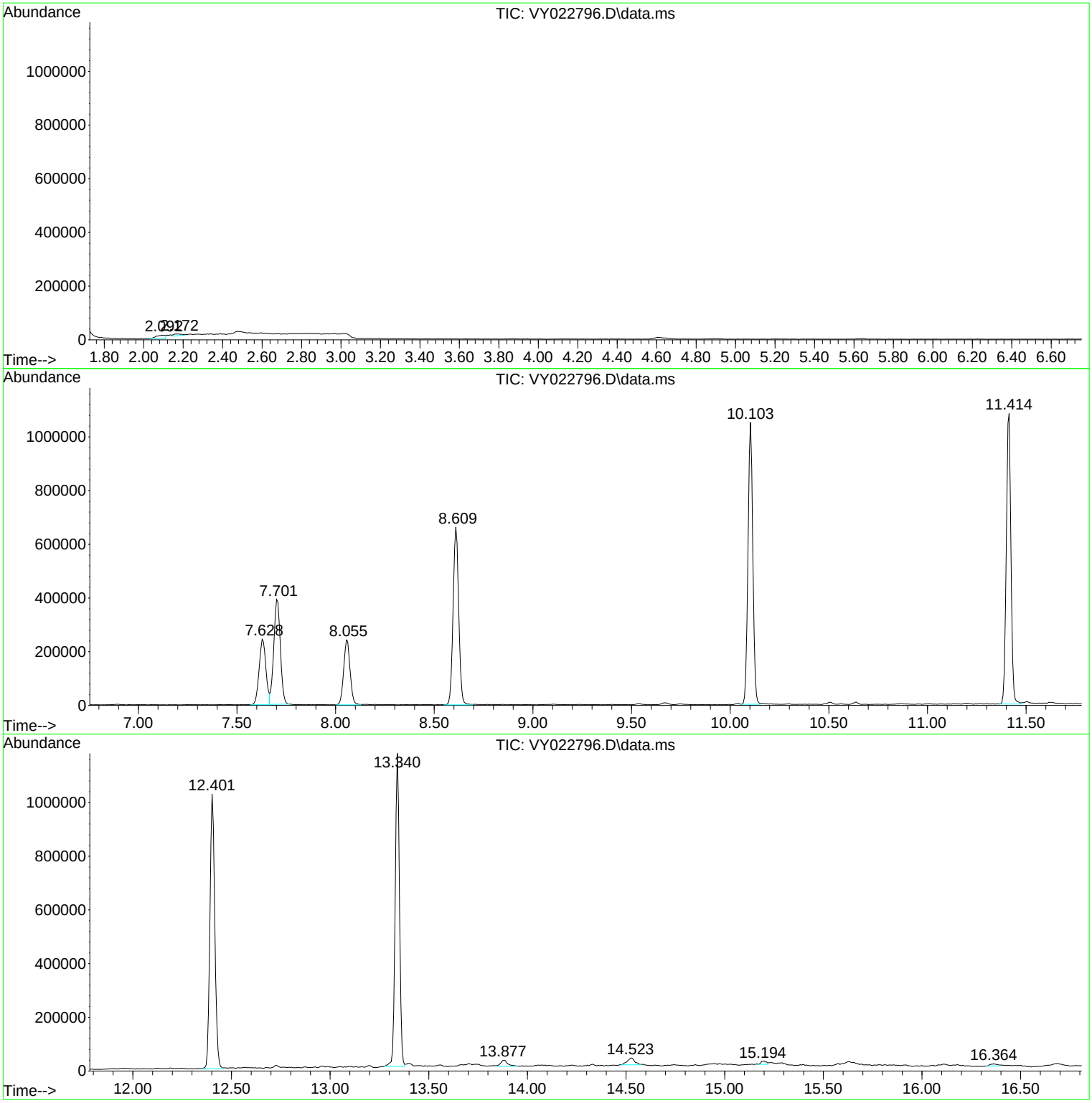
Sum of corrected areas: 10612066

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062425\
Data File : VY022796.D
Acq On : 24 Jun 2025 14:42
Operator : SY/MD
Sample : Q2393-04
Misc : 8.44g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PARK AVE -2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062425\
Data File : VY022796.D
Acq On : 24 Jun 2025 14:42
Operator : SY/MD
Sample : Q2393-04
Misc : 8.44g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PARK AVE -2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062425\
Data File : VY022796.D
Acq On : 24 Jun 2025 14:42
Operator : SY/MD
Sample : Q2393-04
Misc : 8.44g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PARK AVE -2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062425\
Data File : VY022797.D
Acq On : 24 Jun 2025 15:06
Operator : SY/MD
Sample : Q2393-06
Misc : 6.74g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PARK AVE -3

Quant Time: Jun 25 01:26:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 2025
Response via : Initial Calibration

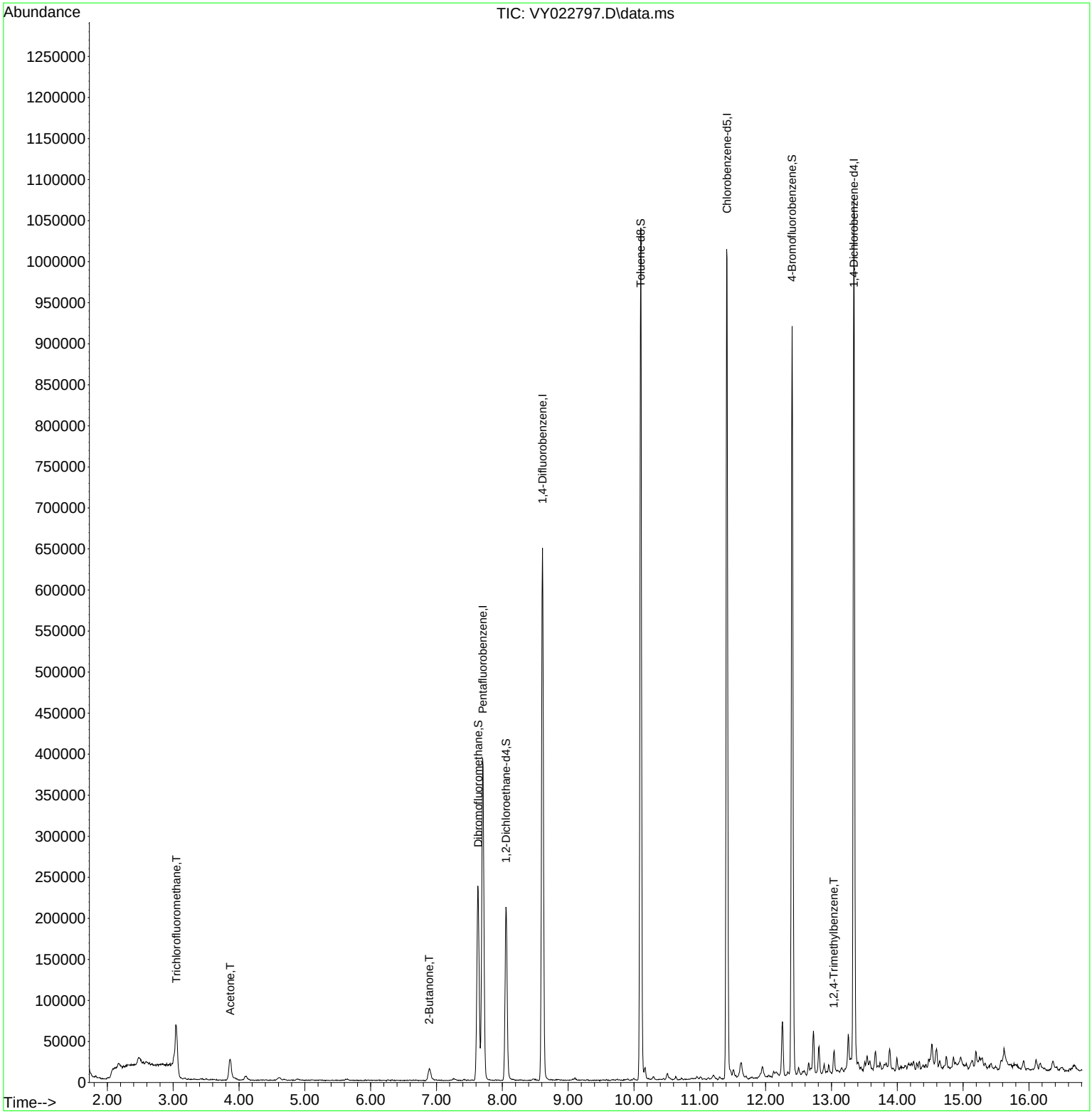
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.701	168	300789	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.610	114	557410	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	524757	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	249630	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	163834	48.802	ug/l	-0.01
Spiked Amount 50.000	Range 50 - 163		Recovery = 97.600%			
35) Dibromofluoromethane	7.634	113	167237	49.334	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.660%			
50) Toluene-d8	10.103	98	650647	48.370	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 96.740%			
62) 4-Bromofluorobenzene	12.402	95	244323	56.501	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 113.000%			
Target Compounds						Qvalue
7) Trichlorofluoromethane	3.050	101	57159	8.413	ug/l	95
16) Acetone	3.866	43	45449	71.627	ug/l	97
25) 2-Butanone	6.890	43	25712	27.842	ug/l	93
84) 1,2,4-Trimethylbenzene	13.036	105	15601	1.046	ug/l	93

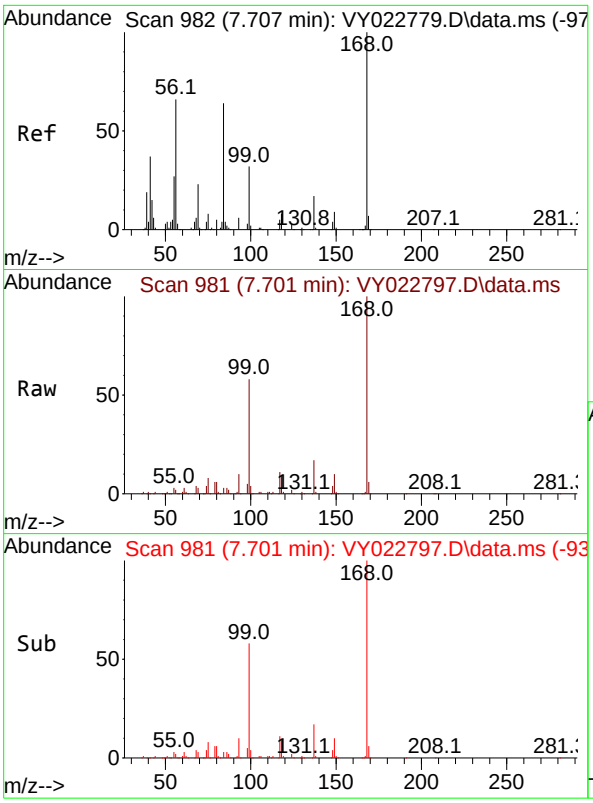
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062425\
Data File : VY022797.D
Acq On : 24 Jun 2025 15:06
Operator : SY/MD
Sample : Q2393-06
Misc : 6.74g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PARK AVE -3

Quant Time: Jun 25 01:26:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 2025
Response via : Initial Calibration



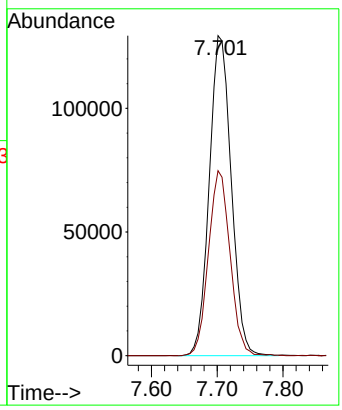


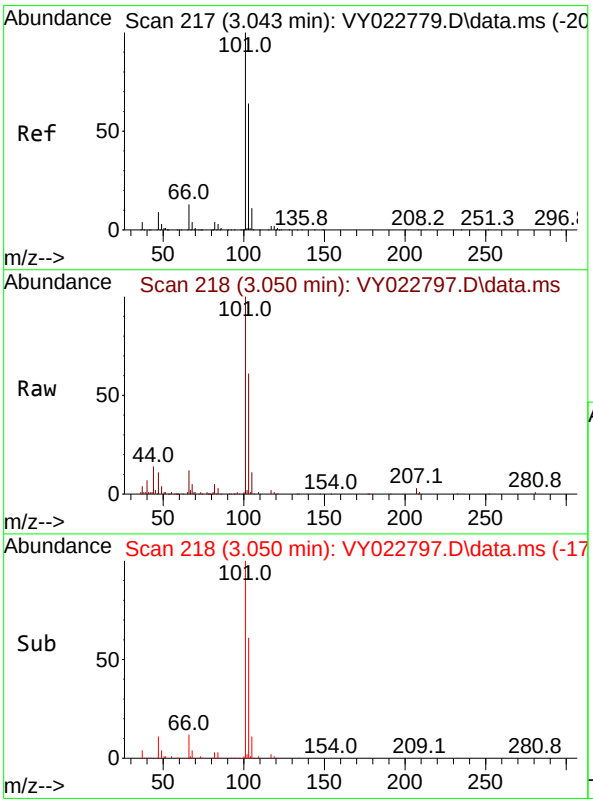
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 9
Delta R.T. -0.012 min
Lab File: VY022797.D
Acq: 24 Jun 2025 15:06

Instrument :
MSVOA_Y
ClientSampleId :
PARK AVE -3

Tgt Ion:168 Resp: 300789

Ion	Ratio	Lower	Upper
168	100		
99	57.8	44.3	66.5

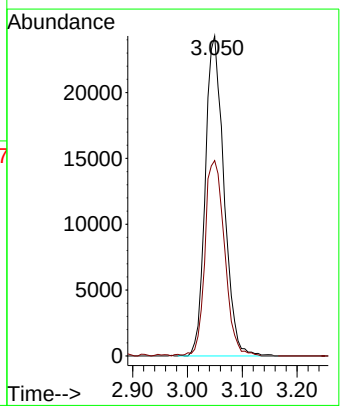


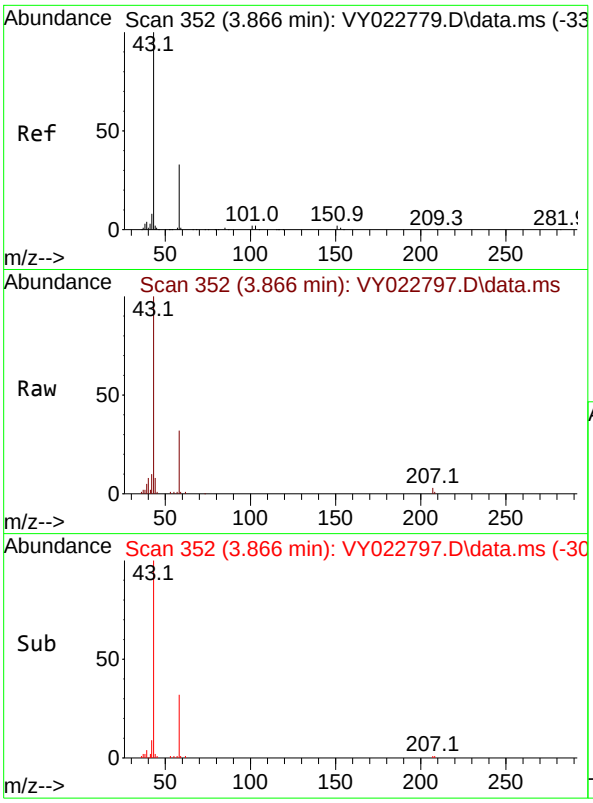


#7
Trichlorofluoromethane
Concen: 8.413 ug/l
RT: 3.050 min Scan# 218
Delta R.T. -0.006 min
Lab File: VY022797.D
Acq: 24 Jun 2025 15:06

Tgt Ion:101 Resp: 57159

Ion	Ratio	Lower	Upper
101	100		
103	61.0	52.2	78.2



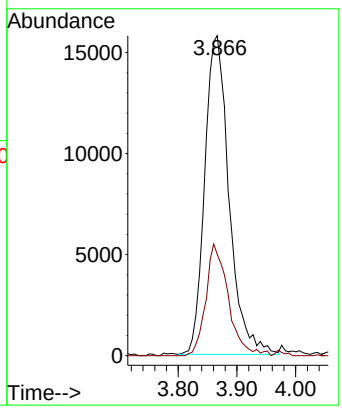


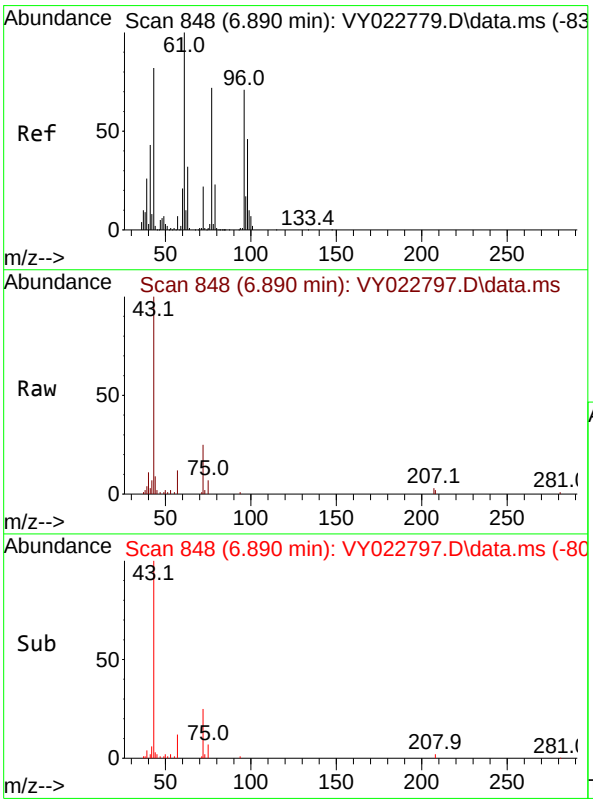
#16
Acetone
Concen: 71.627 ug/l
RT: 3.866 min Scan# 3
Delta R.T. -0.012 min
Lab File: VY022797.D
Acq: 24 Jun 2025 15:06

Instrument :
MSVOA_Y
ClientSampleId :
PARK AVE -3

Tgt Ion: 43 Resp: 45449

Ion	Ratio	Lower	Upper
43	100		
58	31.4	24.0	36.0

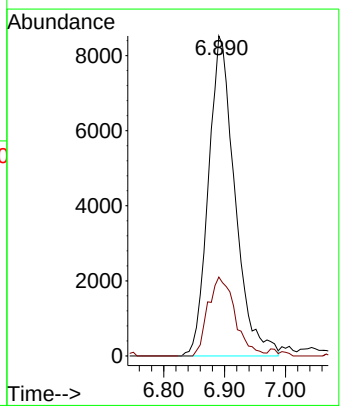


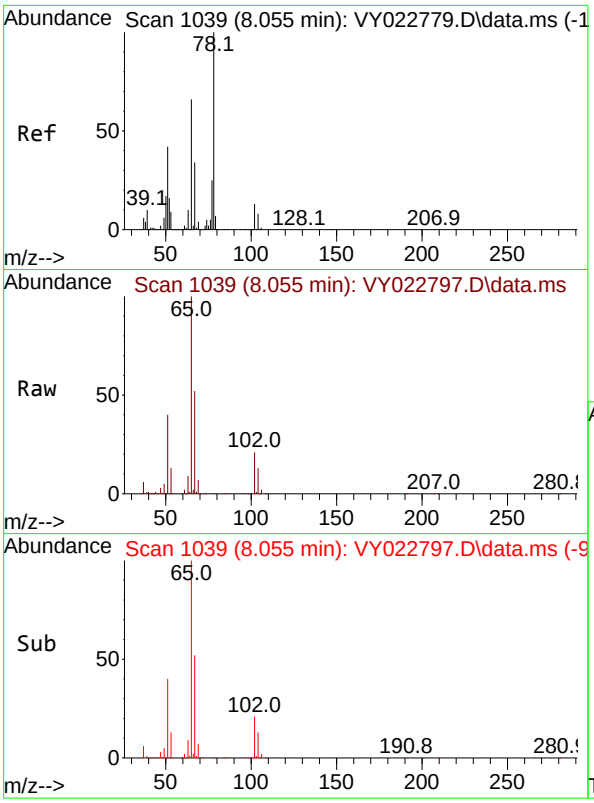


#25
2-Butanone
Concen: 27.842 ug/l
RT: 6.890 min Scan# 848
Delta R.T. -0.012 min
Lab File: VY022797.D
Acq: 24 Jun 2025 15:06

Tgt Ion: 43 Resp: 25712

Ion	Ratio	Lower	Upper
43	100		
72	24.7	22.9	34.3



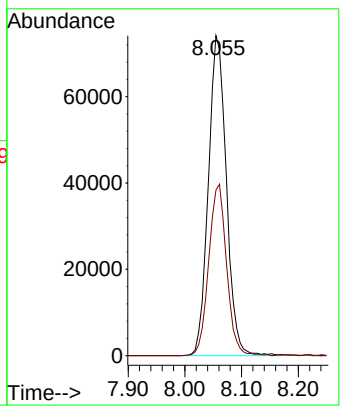


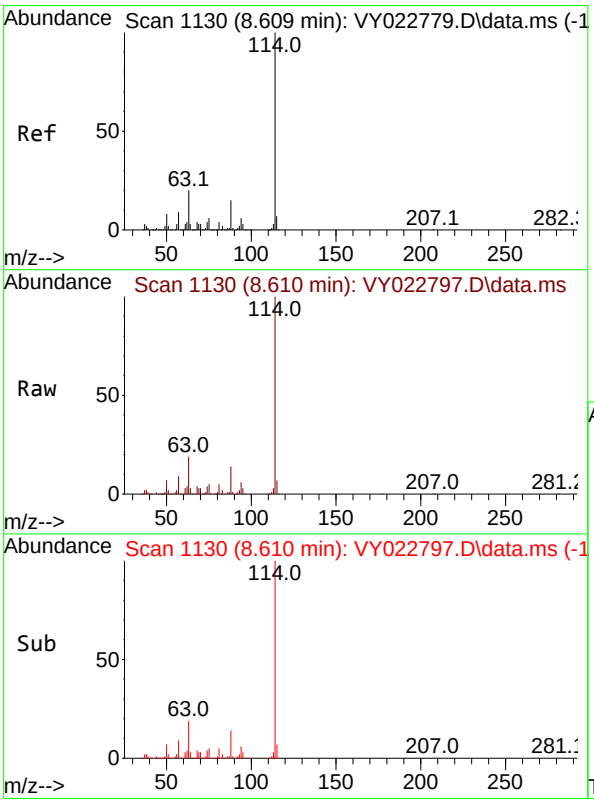
#33
1,2-Dichloroethane-d4
Concen: 48.802 ug/l
RT: 8.055 min Scan# 1
Delta R.T. -0.012 min
Lab File: VY022797.D
Acq: 24 Jun 2025 15:06

Instrument :
MSVOA_Y
ClientSampleId :
PARK AVE -3

Tgt Ion: 65 Resp: 163834

Ion	Ratio	Lower	Upper
65	100		
67	53.1	0.0	103.4

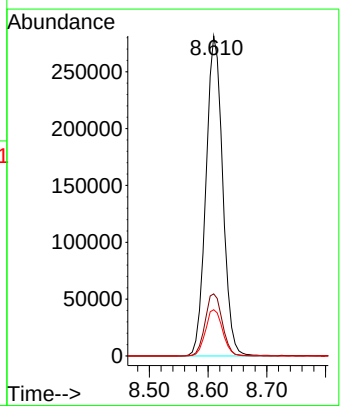


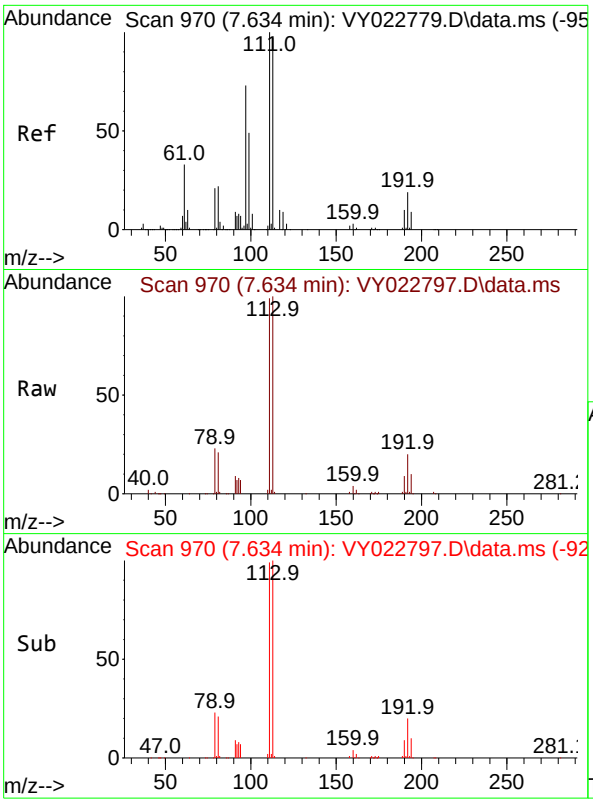


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.610 min Scan# 1130
Delta R.T. -0.006 min
Lab File: VY022797.D
Acq: 24 Jun 2025 15:06

Tgt Ion:114 Resp: 557410

Ion	Ratio	Lower	Upper
114	100		
63	19.4	0.0	40.8
88	14.5	0.0	27.8



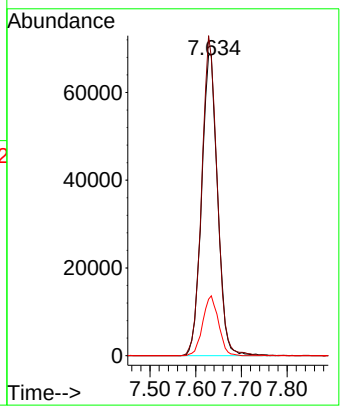


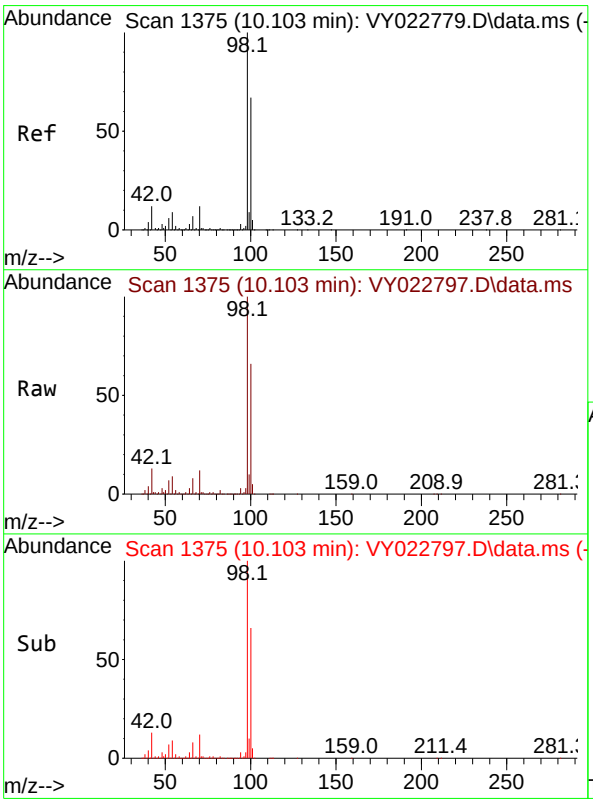
#35
Dibromofluoromethane
Concen: 49.334 ug/l
RT: 7.634 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022797.D
Acq: 24 Jun 2025 15:06

Instrument :
MSVOA_Y
ClientSampleId :
PARK AVE -3

Tgt Ion:113 Resp: 167237

Ion	Ratio	Lower	Upper
113	100		
111	102.4	81.1	121.7
192	19.6	14.2	21.2

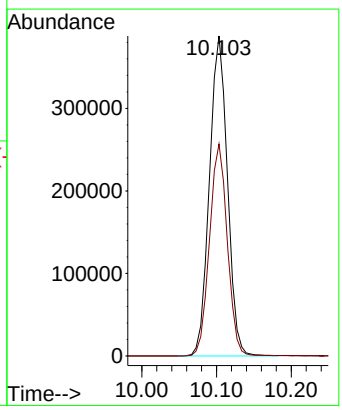


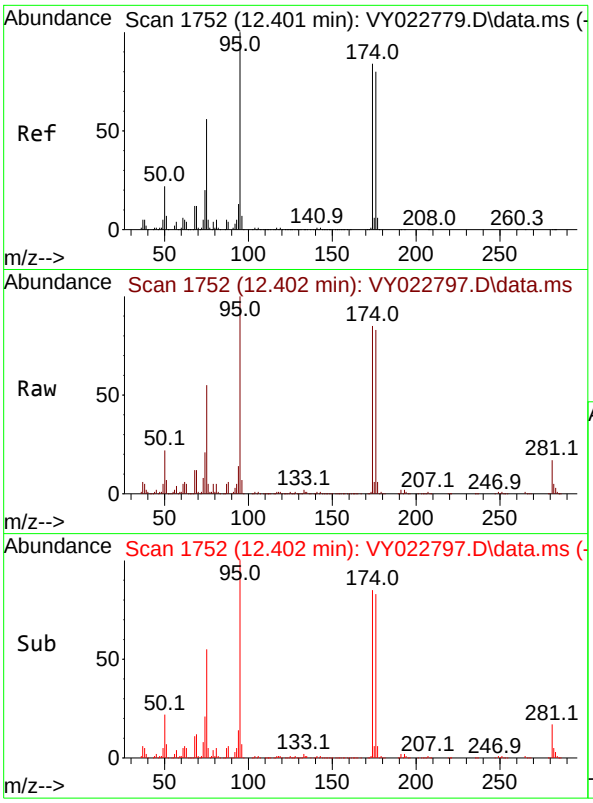


#50
Toluene-d8
Concen: 48.370 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022797.D
Acq: 24 Jun 2025 15:06

Tgt Ion: 98 Resp: 650647

Ion	Ratio	Lower	Upper
98	100		
100	65.5	51.4	77.0



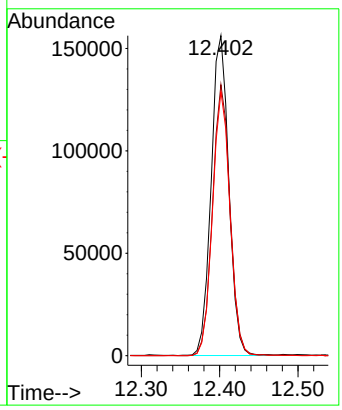


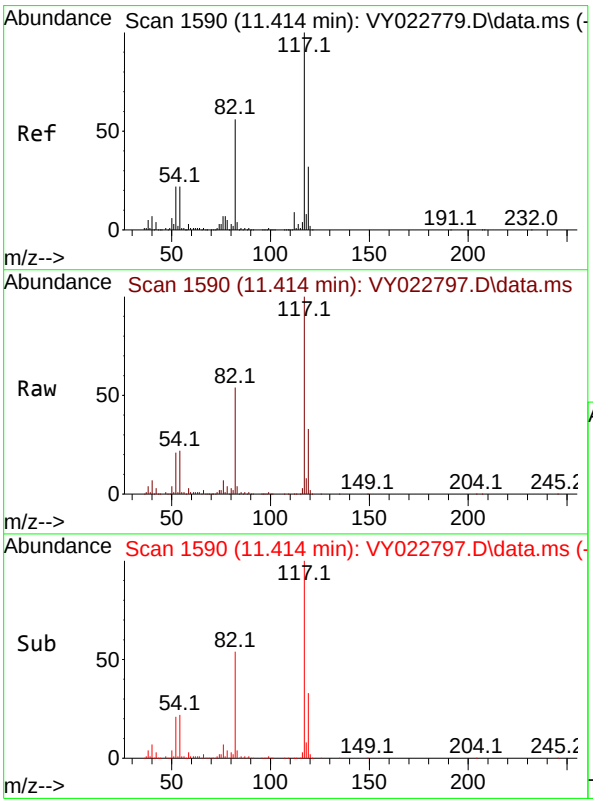
#62
4-Bromofluorobenzene
Concen: 56.501 ug/l
RT: 12.402 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022797.D
Acq: 24 Jun 2025 15:06

Instrument :
MSVOA_Y
ClientSampleId :
PARK AVE -3

Tgt Ion: 95 Resp: 244323

Ion	Ratio	Lower	Upper
95	100		
174	84.6	0.0	170.0
176	81.9	0.0	166.2

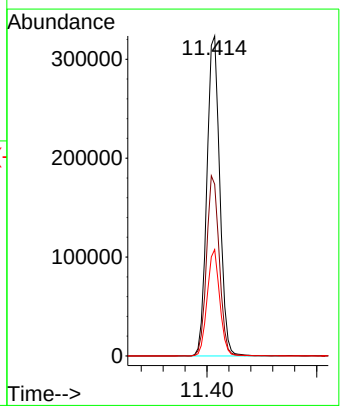


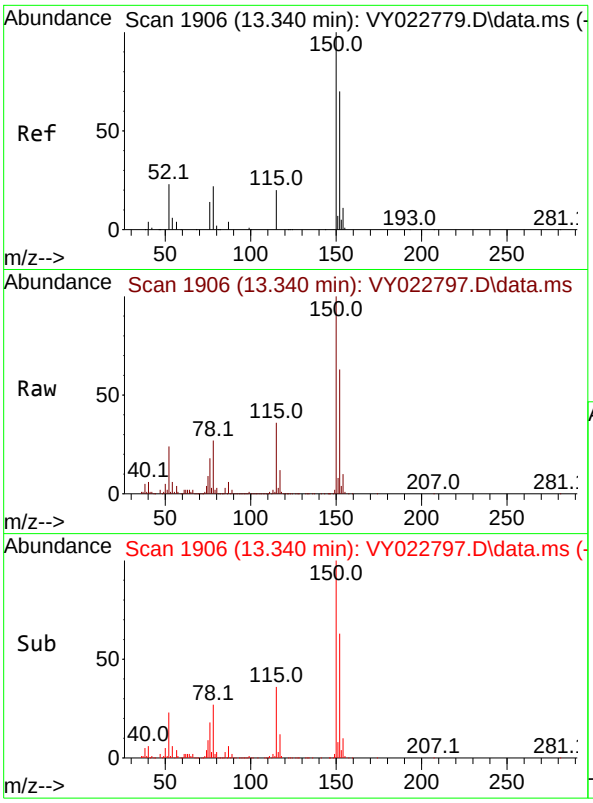


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY022797.D
Acq: 24 Jun 2025 15:06

Tgt Ion:117 Resp: 524757

Ion	Ratio	Lower	Upper
117	100		
82	53.6	44.6	66.8
119	33.3	25.4	38.0



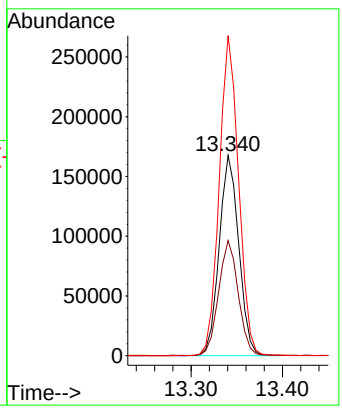


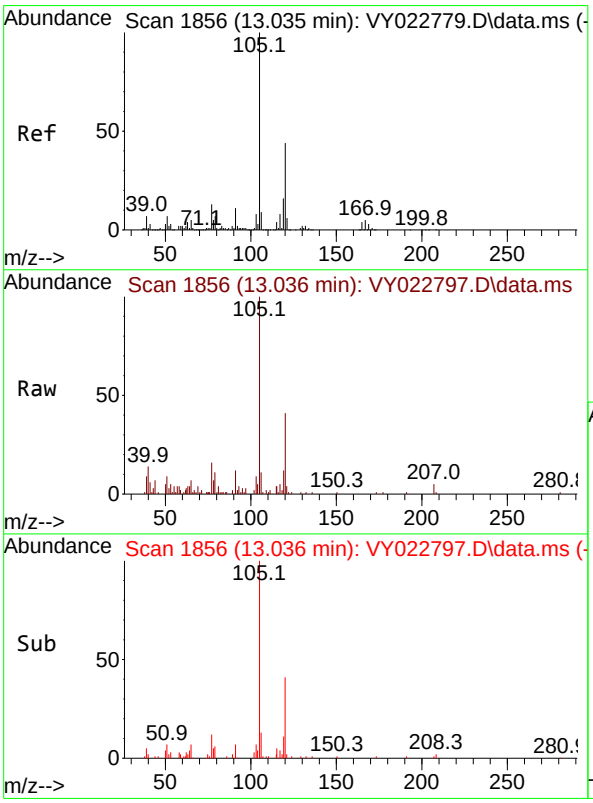
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.340 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022797.D
Acq: 24 Jun 2025 15:06

Instrument :
MSVOA_Y
ClientSampleId :
PARK AVE -3

Tgt Ion:152 Resp: 249630

Ion	Ratio	Lower	Upper
152	100		
115	57.4	28.9	86.7
150	158.0	0.0	349.6

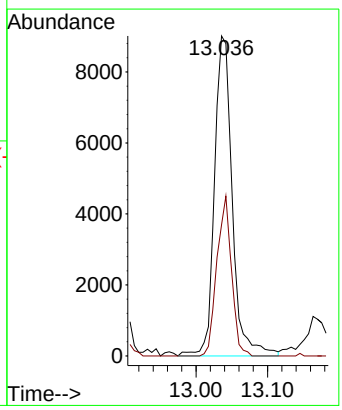




#84
1,2,4-Trimethylbenzene
Concen: 1.046 ug/l
RT: 13.036 min Scan# 1856
Delta R.T. -0.006 min
Lab File: VY022797.D
Acq: 24 Jun 2025 15:06

Tgt Ion:105 Resp: 15601

Ion	Ratio	Lower	Upper
105	100		
120	41.1	22.7	68.1



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062425\
Data File : VY022797.D
Acq On : 24 Jun 2025 15:06
Operator : SY/MD
Sample : Q2393-06
Misc : 6.74g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PARK AVE -3

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Title : SW846 8260

Signal : TIC: VY022797.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.086	51	60	61	rBV3	11158	23693	1.35%	0.213%
2	3.043	208	217	228	rVB3	64699	209518	11.93%	1.881%
3	3.866	342	352	360	rBV	25627	74978	4.27%	0.673%
4	6.890	838	848	858	rBV	15112	48070	2.74%	0.432%
5	7.628	959	969	975	rBV	236962	566261	32.23%	5.085%
6	7.701	975	981	995	rVB	392051	908246	51.70%	8.156%
7	8.055	1031	1039	1054	rBV	211331	477907	27.20%	4.292%
8	8.610	1119	1130	1147	rBV	648986	1299025	73.94%	11.665%
9	10.103	1366	1375	1383	rBV	1038558	1756924	100.00%	15.777%
10	10.170	1383	1386	1393	rVB2	13889	22614	1.29%	0.203%
11	10.506	1435	1441	1451	rBV3	7624	18667	1.06%	0.168%
12	11.408	1582	1589	1597	rBV	1010731	1664264	94.73%	14.945%
13	11.511	1602	1606	1611	rVV4	10089	20536	1.17%	0.184%
14	11.627	1614	1625	1635	rVV6	18056	51445	2.93%	0.462%
15	11.950	1674	1678	1687	rVB4	12584	27101	1.54%	0.243%
16	12.255	1720	1728	1735	rVB	65786	111738	6.36%	1.003%
17	12.402	1745	1752	1762	rVB2	911436	1572795	89.52%	14.124%
18	12.651	1788	1793	1796	rBV	15197	25234	1.44%	0.227%
19	12.725	1800	1805	1812	rVV3	53085	91325	5.20%	0.820%
20	12.810	1813	1819	1826	rVB2	33215	55795	3.18%	0.501%
21	13.042	1852	1857	1863	rBV2	26529	42869	2.44%	0.385%
22	13.255	1887	1892	1896	rBV	40348	64288	3.66%	0.577%
23	13.340	1900	1906	1914	rVB	1054298	1582028	90.05%	14.207%
24	13.542	1935	1939	1942	rVV	17123	28948	1.65%	0.260%
25	13.670	1954	1960	1963	rBV6	22729	39192	2.23%	0.352%
26	13.883	1991	1995	2001	rVB2	24684	41763	2.38%	0.375%
27	13.993	2009	2013	2019	rBV3	15706	23672	1.35%	0.213%
28	14.523	2096	2100	2106	rVV5	28495	58977	3.36%	0.530%
29	14.596	2107	2112	2116	rVV5	22932	44702	2.54%	0.401%
30	14.743	2133	2136	2141	rVB4	13470	19323	1.10%	0.174%
31	14.852	2150	2154	2157	rBV5	12067	17767	1.01%	0.160%
32	15.194	2206	2210	2215	rBV7	17513	29761	1.69%	0.267%
33	15.620	2276	2280	2293	rVB7	21916	57023	3.25%	0.512%
34	15.919	2326	2329	2335	rVB8	11348	19383	1.10%	0.174%
35	16.108	2356	2360	2366	rVB9	11370	20064	1.14%	0.180%
36	16.364	2397	2402	2407	rBV7	9656	19870	1.13%	0.178%

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062425\
Data File : VY022797.D
Acq On : 24 Jun 2025 15:06
Operator : SY/MD
Sample : Q2393-06
Misc : 6.74g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PARK AVE -3

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Title : SW846 8260

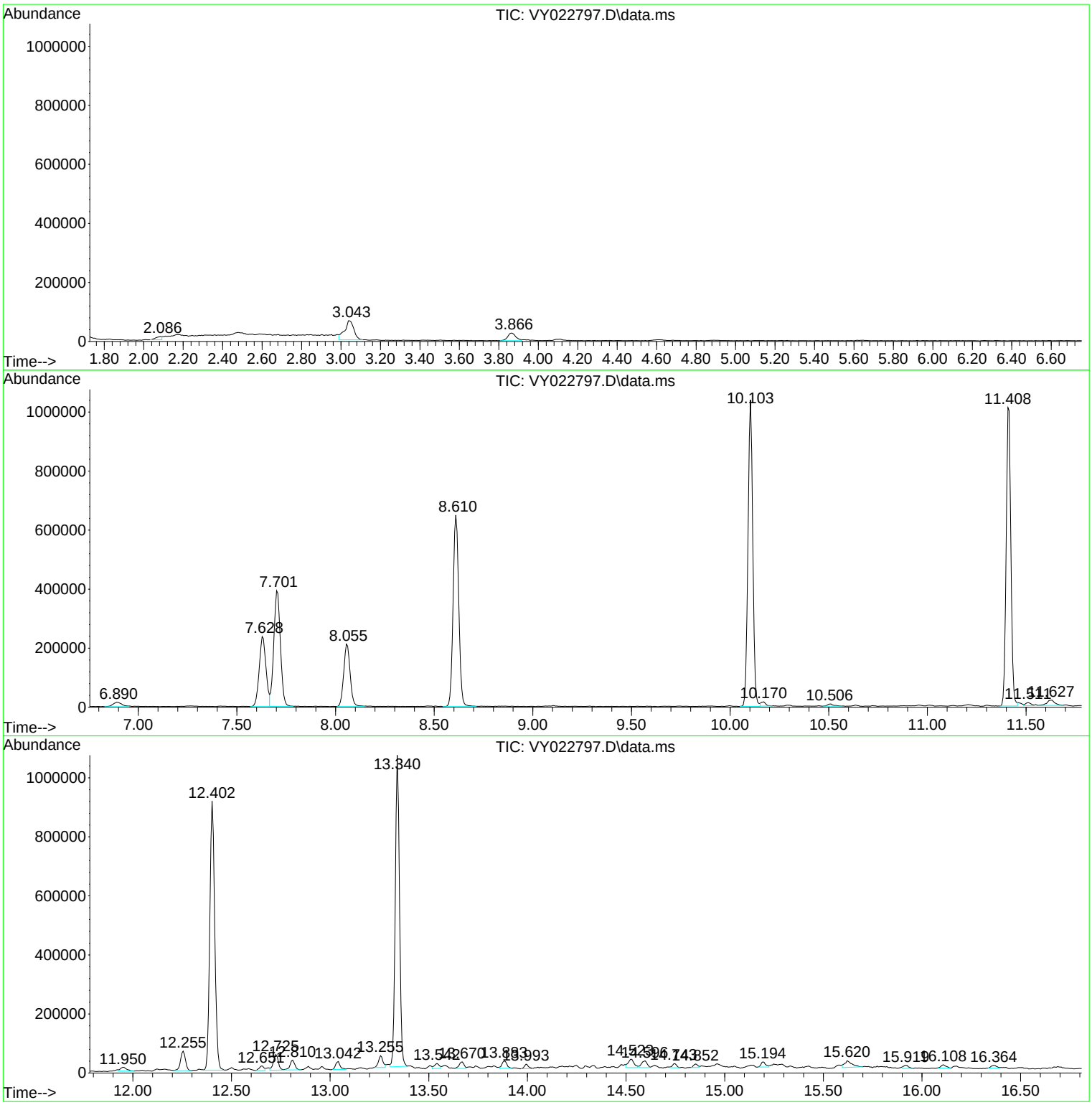
Sum of corrected areas: 11135766

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062425\
Data File : VY022797.D
Acq On : 24 Jun 2025 15:06
Operator : SY/MD
Sample : Q2393-06
Misc : 6.74g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PARK AVE -3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062425\
Data File : VY022797.D
Acq On : 24 Jun 2025 15:06
Operator : SY/MD
Sample : Q2393-06
Misc : 6.74g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PARK AVE -3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062425\
Data File : VY022797.D
Acq On : 24 Jun 2025 15:06
Operator : SY/MD
Sample : Q2393-06
Misc : 6.74g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PARK AVE -3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062425\
Data File : VY022798.D
Acq On : 24 Jun 2025 15:29
Operator : SY/MD
Sample : Q2393-08
Misc : 8.42g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PARK AVE -4

Quant Time: Jun 25 01:27:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 2025
Response via : Initial Calibration

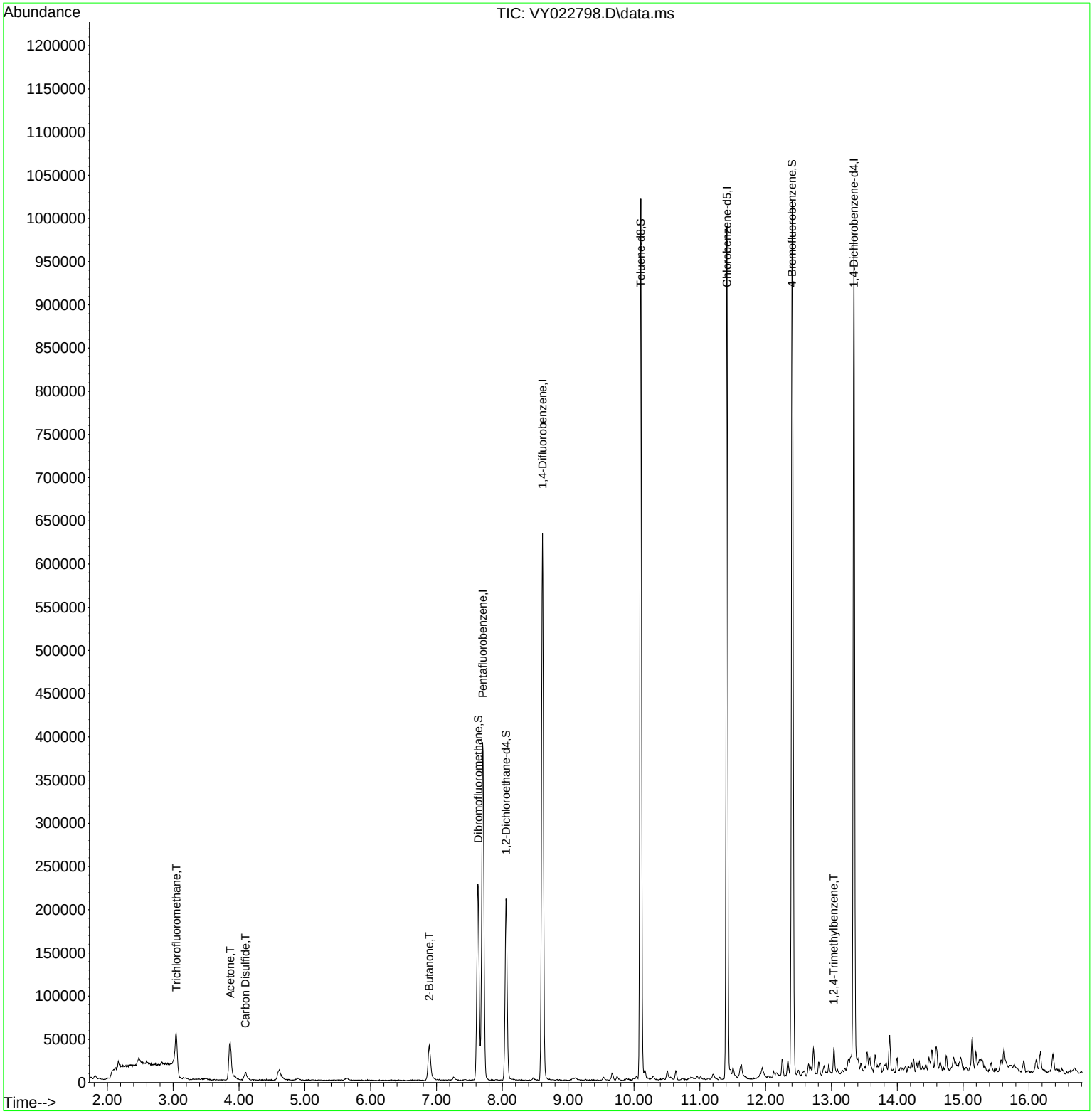
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.701	168	301973	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.609	114	544282	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	511623	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	231837	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	162465	48.205	ug/l	-0.01
Spiked Amount 50.000	Range 50 - 163		Recovery = 96.400%			
35) Dibromofluoromethane	7.634	113	161346	48.744	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 97.480%			
50) Toluene-d8	10.103	98	650744	49.544	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.080%			
62) 4-Bromofluorobenzene	12.401	95	233038	55.191	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 110.380%			
Target Compounds						Qvalue
7) Trichlorofluoromethane	3.049	101	42970	6.300	ug/l	90
16) Acetone	3.866	43	78672	123.501	ug/l	98
17) Carbon Disulfide	4.098	76	15991	1.619	ug/l	99
25) 2-Butanone	6.890	43	67547	72.856	ug/l	94
84) 1,2,4-Trimethylbenzene	13.035	105	16174	1.167	ug/l	98

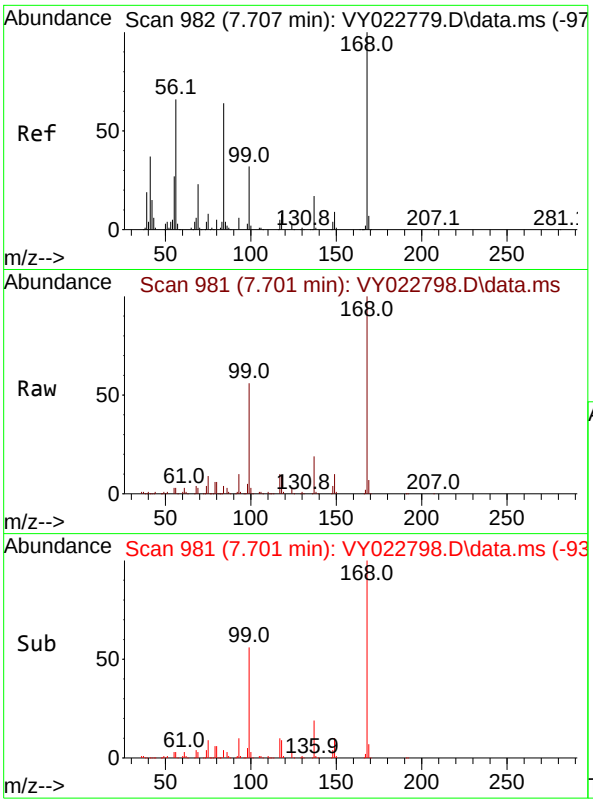
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062425\
Data File : VY022798.D
Acq On : 24 Jun 2025 15:29
Operator : SY/MD
Sample : Q2393-08
Misc : 8.42g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PARK AVE -4

Quant Time: Jun 25 01:27:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 2025
Response via : Initial Calibration



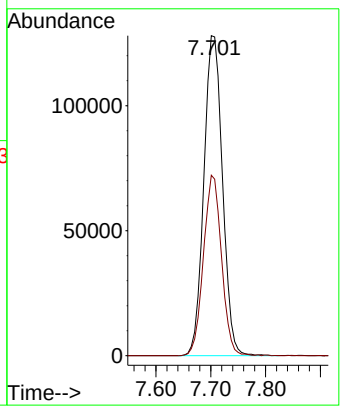


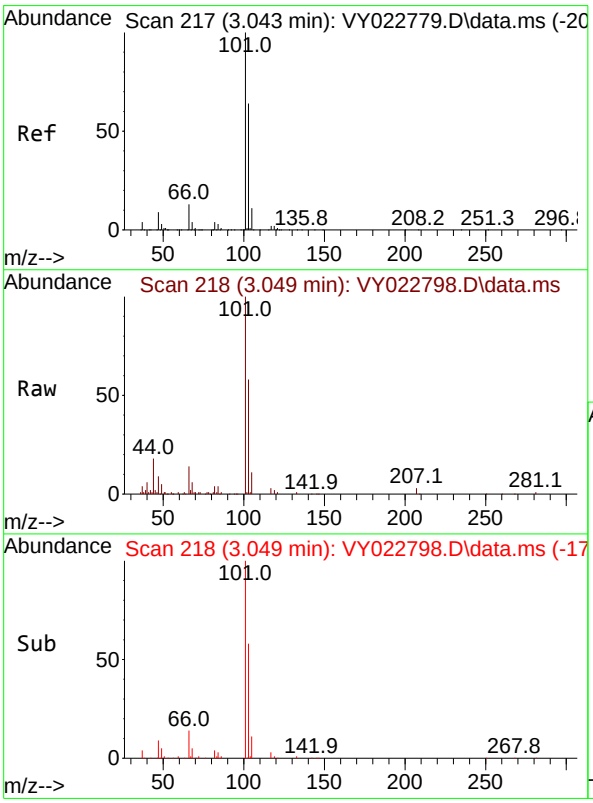
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 9
Delta R.T. -0.012 min
Lab File: VY022798.D
Acq: 24 Jun 2025 15:29

Instrument :
MSVOA_Y
ClientSampleId :
PARK AVE -4

Tgt Ion:168 Resp: 301973

Ion	Ratio	Lower	Upper
168	100		
99	56.4	44.3	66.5

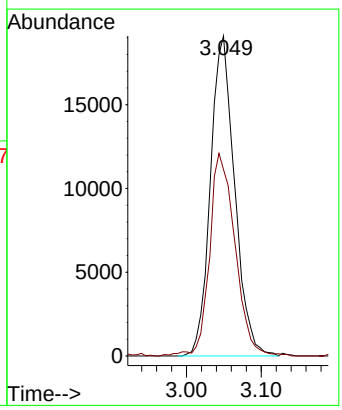


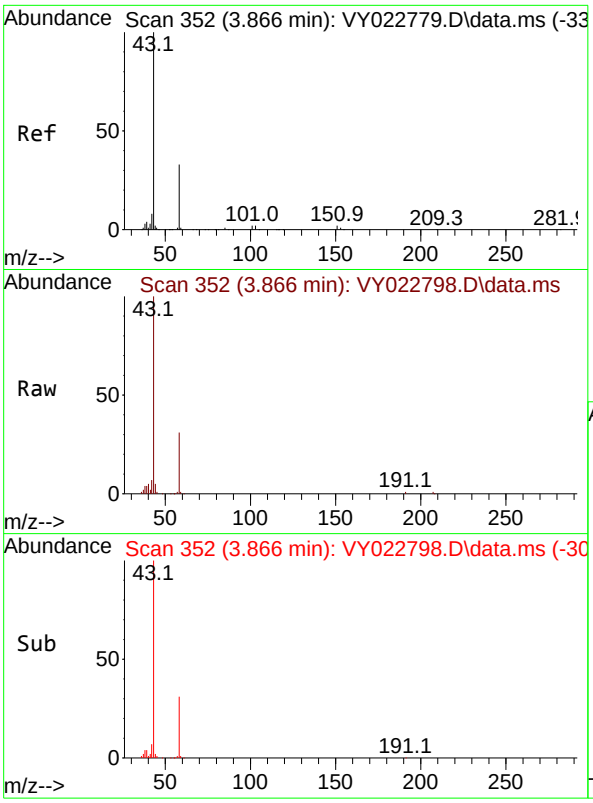


#7
Trichlorofluoromethane
Concen: 6.300 ug/l
RT: 3.049 min Scan# 218
Delta R.T. -0.006 min
Lab File: VY022798.D
Acq: 24 Jun 2025 15:29

Tgt Ion:101 Resp: 42970

Ion	Ratio	Lower	Upper
101	100		
103	57.6	52.2	78.2



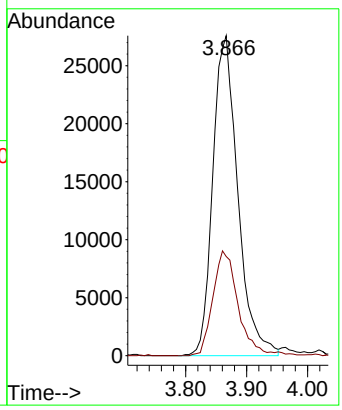


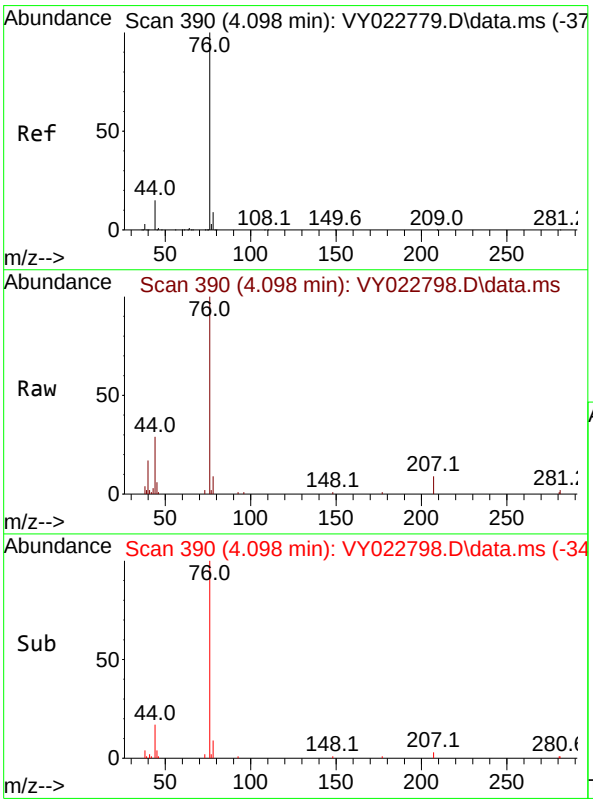
#16
Acetone
Concen: 123.501 ug/l
RT: 3.866 min Scan# 3
Delta R.T. -0.012 min
Lab File: VY022798.D
Acq: 24 Jun 2025 15:29

Instrument :
MSVOA_Y
ClientSampleId :
PARK AVE -4

Tgt Ion: 43 Resp: 78672

Ion	Ratio	Lower	Upper
43	100		
58	31.0	24.0	36.0

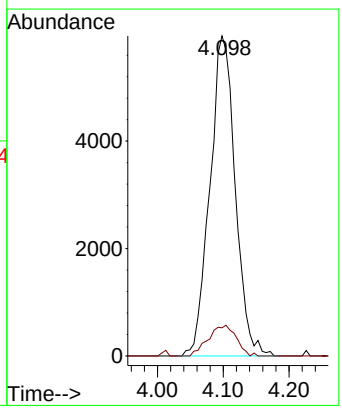


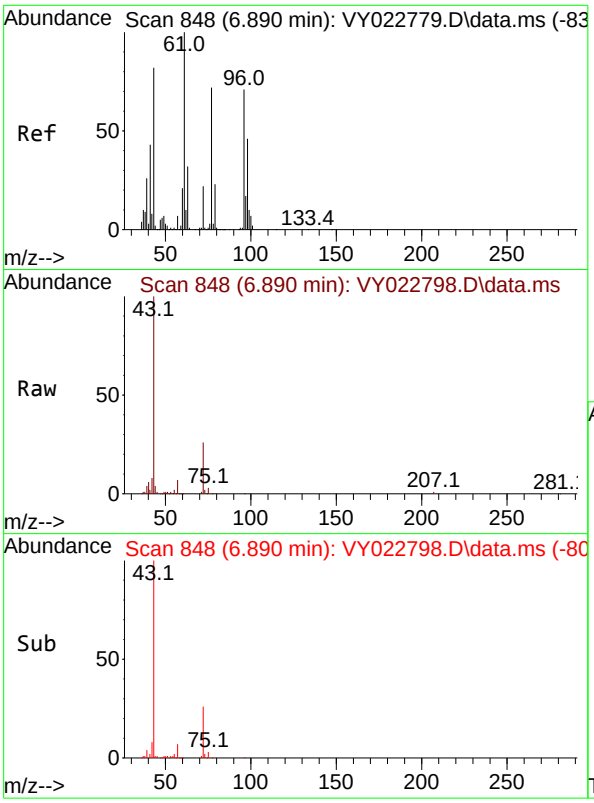


#17
Carbon Disulfide
Concen: 1.619 ug/l
RT: 4.098 min Scan# 390
Delta R.T. -0.012 min
Lab File: VY022798.D
Acq: 24 Jun 2025 15:29

Tgt Ion: 76 Resp: 15991

Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.4	11.2



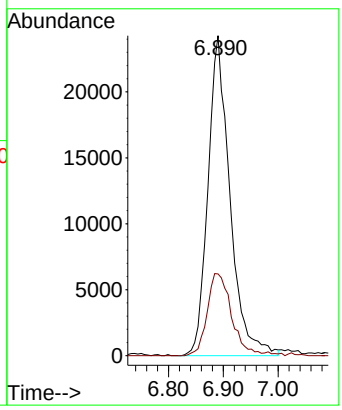


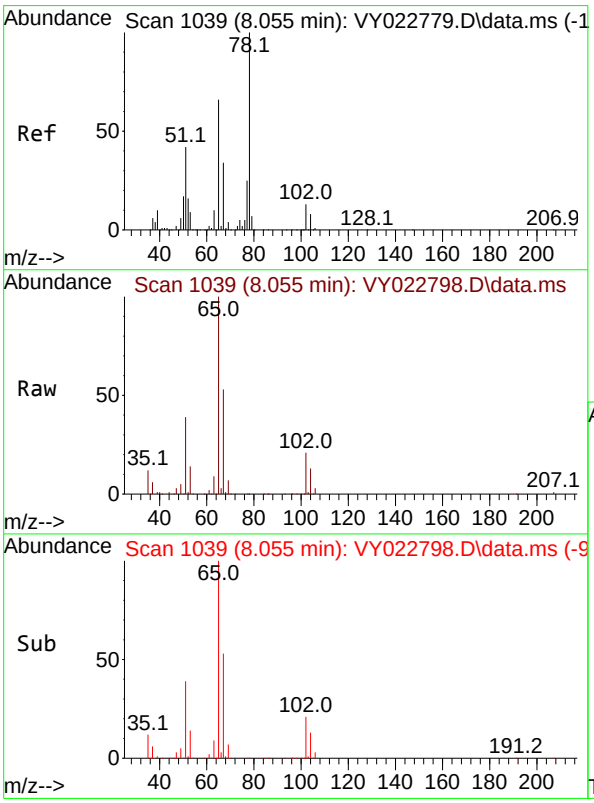
#25
2-Butanone
Concen: 72.856 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.012 min
Lab File: VY022798.D
Acq: 24 Jun 2025 15:29

Instrument :
MSVOA_Y
ClientSampleId :
PARK AVE -4

Tgt Ion: 43 Resp: 67547

Ion	Ratio	Lower	Upper
43	100		
72	25.5	22.9	34.3

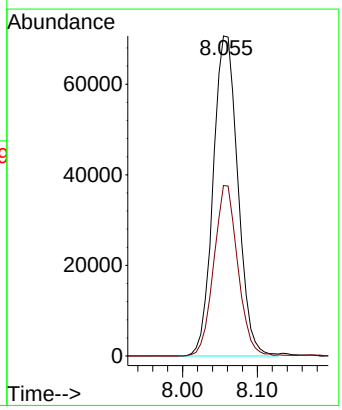




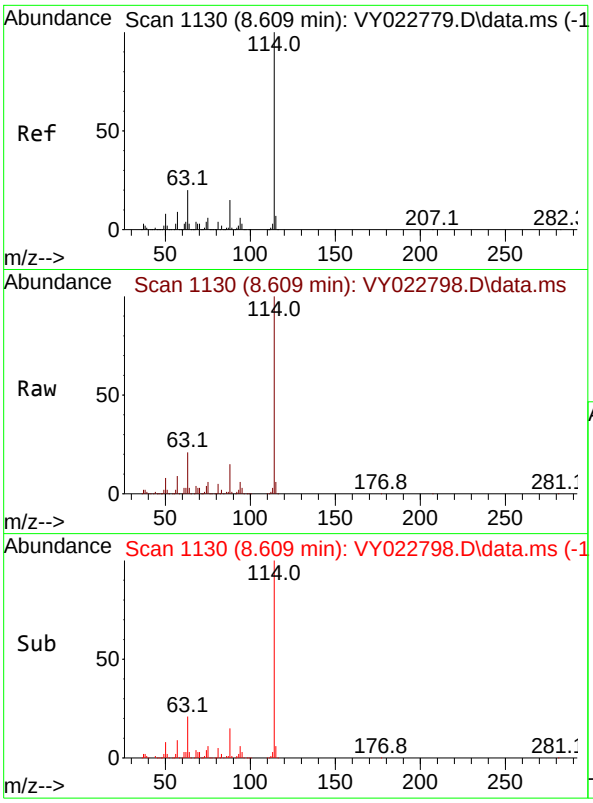
#33
1,2-Dichloroethane-d4
Concen: 48.205 ug/l
RT: 8.055 min Scan# 1039
Delta R.T. -0.012 min
Lab File: VY022798.D
Acq: 24 Jun 2025 15:29

Tgt Ion: 65 Resp: 162465

Ion	Ratio	Lower	Upper
65	100		
67	52.0	0.0	103.4



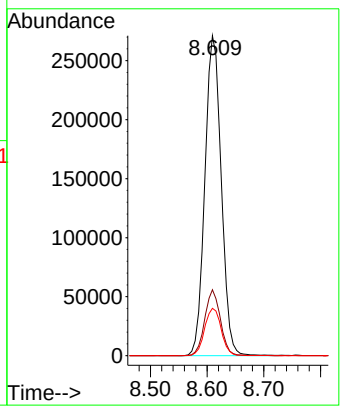
Instrument :
MSVOA_Y
ClientSampleId :
PARK AVE -4

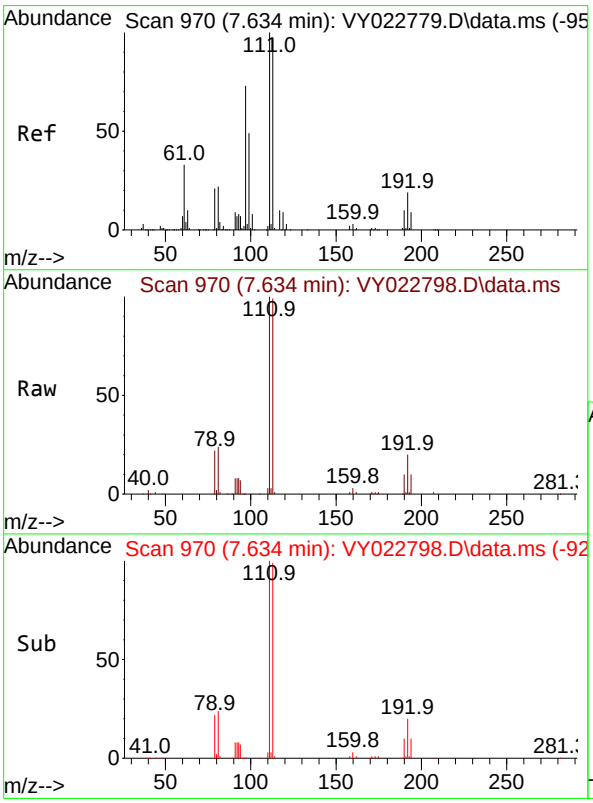


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.609 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022798.D
Acq: 24 Jun 2025 15:29

Tgt Ion:114 Resp: 544282

Ion	Ratio	Lower	Upper
114	100		
63	20.6	0.0	40.8
88	14.8	0.0	27.8

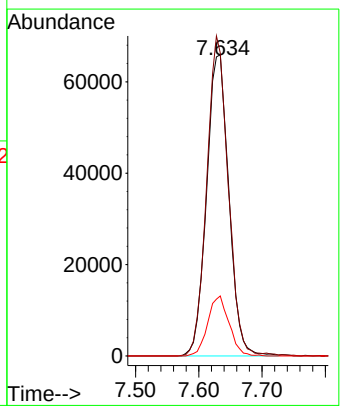


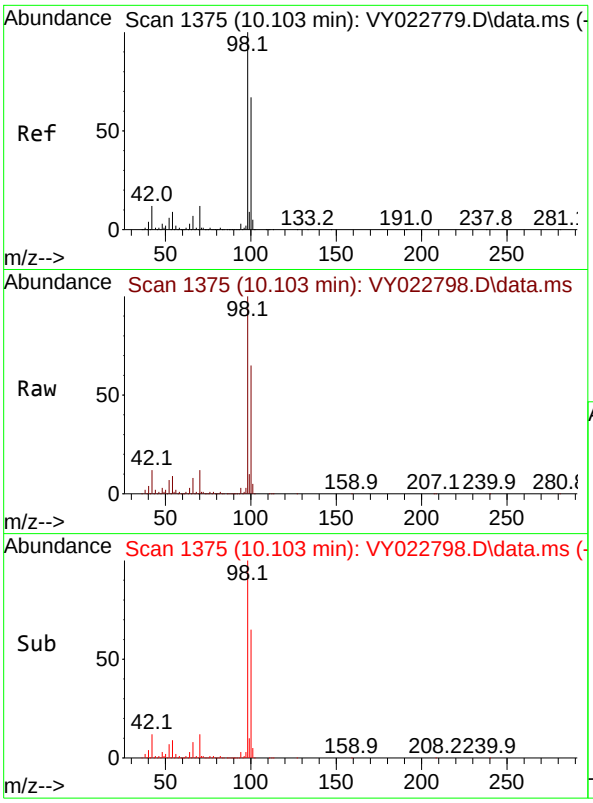


#35
Dibromofluoromethane
Concen: 48.744 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY022798.D
Acq: 24 Jun 2025 15:29

Tgt Ion:113 Resp: 161346

Ion	Ratio	Lower	Upper
113	100		
111	102.7	81.1	121.7
192	19.0	14.2	21.2



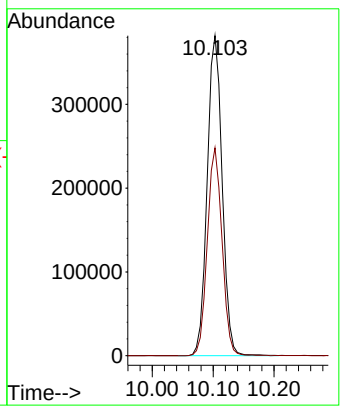


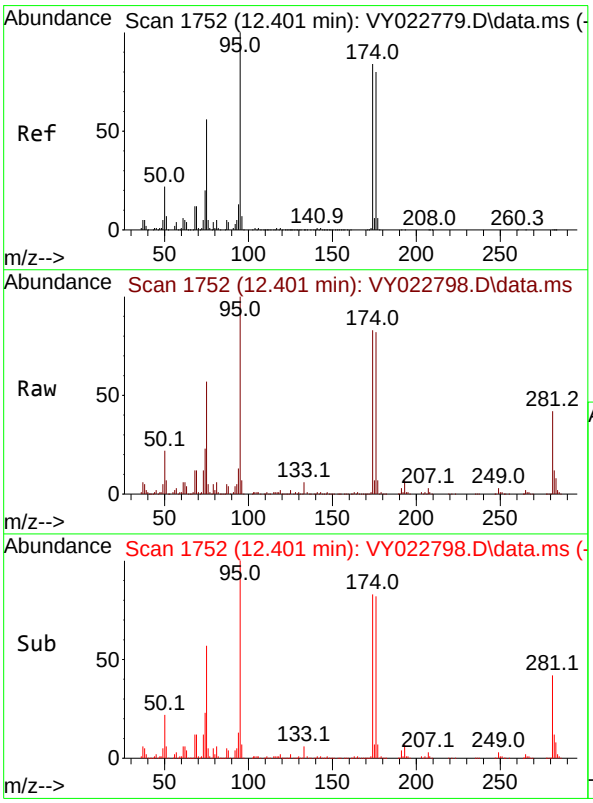
#50
Toluene-d8
Concen: 49.544 ug/l
RT: 10.103 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022798.D
Acq: 24 Jun 2025 15:29

Instrument :
MSVOA_Y
ClientSampleId :
PARK AVE -4

Tgt Ion: 98 Resp: 650744

Ion	Ratio	Lower	Upper
98	100		
100	64.0	51.4	77.0

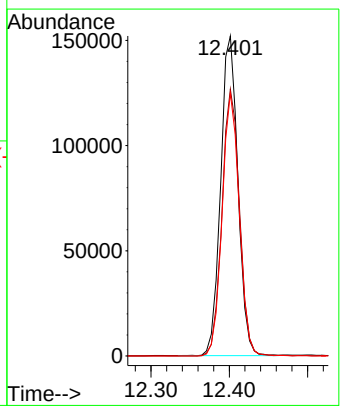


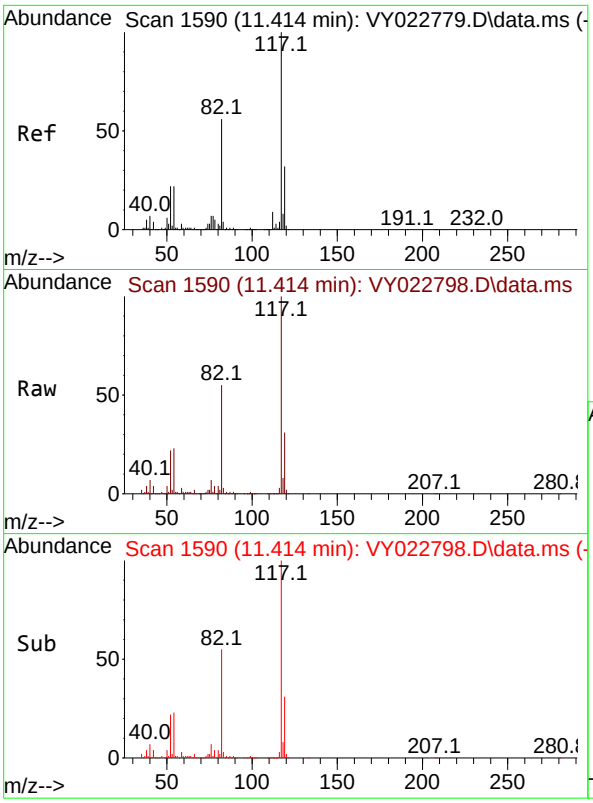


#62
4-Bromofluorobenzene
Concen: 55.191 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022798.D
Acq: 24 Jun 2025 15:29

Tgt Ion: 95 Resp: 233038

Ion	Ratio	Lower	Upper
95	100		
174	84.8	0.0	170.0
176	81.6	0.0	166.2



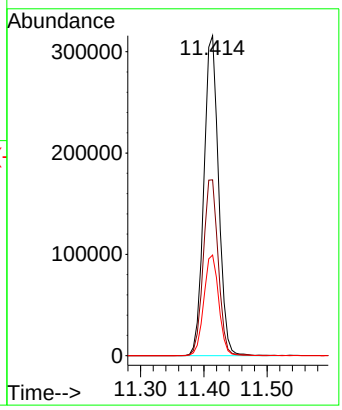


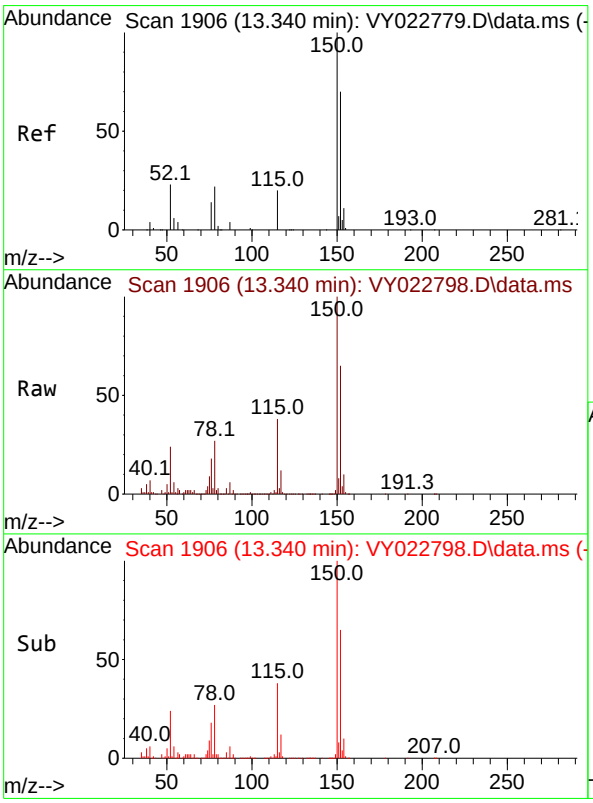
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022798.D
Acq: 24 Jun 2025 15:29

Instrument :
MSVOA_Y
ClientSampleId :
PARK AVE -4

Tgt Ion:117 Resp: 511623

Ion	Ratio	Lower	Upper
117	100		
82	54.9	44.6	66.8
119	31.5	25.4	38.0

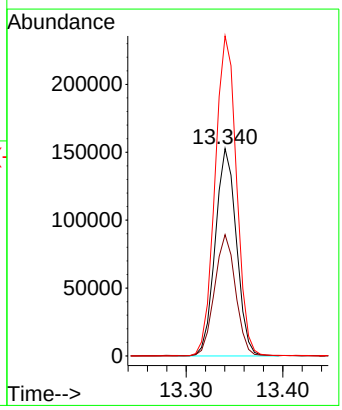


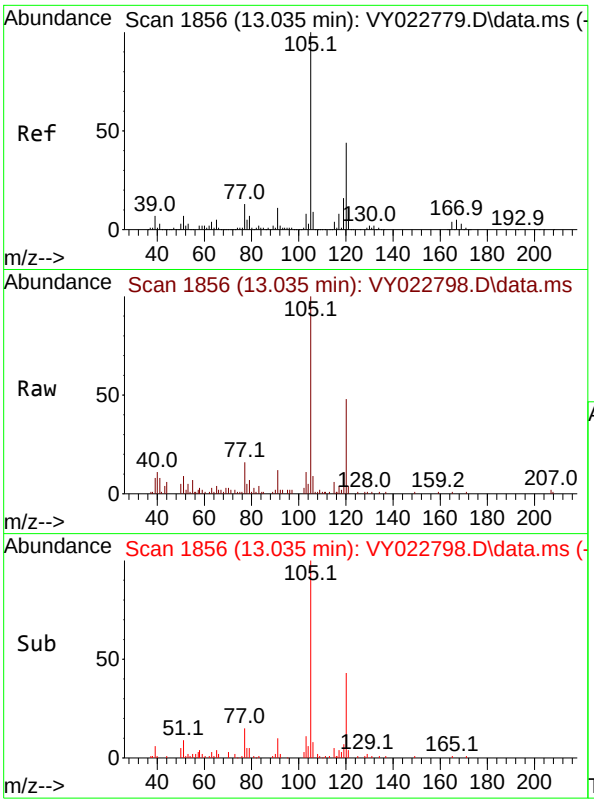


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.340 min Scan# 1906
Delta R.T. -0.006 min
Lab File: VY022798.D
Acq: 24 Jun 2025 15:29

Tgt Ion:152 Resp: 231837

Ion	Ratio	Lower	Upper
152	100		
115	57.8	28.9	86.7
150	156.8	0.0	349.6



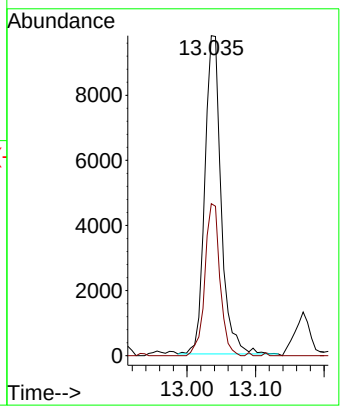


#84
1,2,4-Trimethylbenzene
Concen: 1.167 ug/l
RT: 13.035 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022798.D
Acq: 24 Jun 2025 15:29

Instrument :
MSVOA_Y
ClientSampleId :
PARK AVE -4

Tgt Ion:105 Resp: 16174

Ion	Ratio	Lower	Upper
105	100		
120	44.3	22.7	68.1



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062425\
Data File : VY022798.D
Acq On : 24 Jun 2025 15:29
Operator : SY/MD
Sample : Q2393-08
Misc : 8.42g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PARK AVE -4

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Title : SW846 8260

Signal : TIC: VY022798.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.476	118	124	133	rBV5	9554	31206	1.68%	0.272%
2	3.043	211	217	226	rVB2	52024	141700	7.61%	1.235%
3	3.866	341	352	362	rBV	43690	129861	6.97%	1.131%
4	4.104	382	391	397	rBV2	8904	25099	1.35%	0.219%
5	4.616	463	475	487	rBV4	12153	44965	2.41%	0.392%
6	6.890	839	848	867	rBV	40082	116252	6.24%	1.013%
7	7.628	959	969	975	rBV	227338	546201	29.32%	4.759%
8	7.701	975	981	996	rVB	390709	903419	48.49%	7.871%
9	8.055	1031	1039	1049	rBV	210156	465219	24.97%	4.053%
10	8.609	1122	1130	1144	rBV	633641	1271196	68.23%	11.076%
11	10.103	1368	1375	1382	rBV	1018231	1725687	92.63%	15.036%
12	10.505	1436	1441	1447	rBV3	9989	19745	1.06%	0.172%
13	11.414	1582	1590	1597	rBV	986931	1624049	87.17%	14.150%
14	11.505	1601	1605	1616	rVB3	12738	27687	1.49%	0.241%
15	11.633	1616	1626	1635	rBV6	15062	43625	2.34%	0.380%
16	11.950	1674	1678	1688	rVB5	11388	26618	1.43%	0.232%
17	12.249	1722	1727	1733	rVB2	19255	31375	1.68%	0.273%
18	12.340	1737	1742	1746	rBV2	16506	29814	1.60%	0.260%
19	12.401	1746	1752	1763	rVB3	1010945	1863031	100.00%	16.232%
20	12.651	1787	1793	1796	rBV3	14097	25500	1.37%	0.222%
21	12.725	1801	1805	1811	rVB3	29771	46171	2.48%	0.402%
22	12.804	1815	1818	1825	rVB4	15422	26472	1.42%	0.231%
23	12.889	1825	1832	1836	rBV4	11190	23558	1.26%	0.205%
24	13.035	1851	1856	1863	rBV	28747	47422	2.55%	0.413%
25	13.261	1886	1893	1895	rBV6	13144	25203	1.35%	0.220%
26	13.340	1900	1906	1914	rVB	952978	1444382	77.53%	12.585%
27	13.541	1935	1939	1942	rBV3	18362	29068	1.56%	0.253%
28	13.584	1942	1946	1954	rVB6	16181	34134	1.83%	0.297%
29	13.663	1954	1959	1964	rBV5	19588	35665	1.91%	0.311%
30	13.743	1968	1972	1976	rVB2	10523	19211	1.03%	0.167%
31	13.883	1990	1995	2002	rVB2	41290	64343	3.45%	0.561%
32	13.999	2009	2014	2019	rBV3	16515	28070	1.51%	0.245%
33	14.243	2051	2054	2059	rVB2	15426	21909	1.18%	0.191%
34	14.480	2089	2093	2096	rBV4	14001	24069	1.29%	0.210%
35	14.523	2097	2100	2105	rVV4	22864	41459	2.23%	0.361%
36	14.590	2106	2111	2117	rVV5	27086	59973	3.22%	0.523%

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062425\
Data File : VY022798.D
Acq On : 24 Jun 2025 15:29
Operator : SY/MD
Sample : Q2393-08
Misc : 8.42g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PARK AVE -4

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Title : SW846 8260

37	14.742	2132	2136	2141	rVB2	17118	26181	1.41%	0.228%
38	14.852	2145	2154	2158	rBV9	15781	37473	2.01%	0.326%
39	14.962	2167	2172	2178	rVB3	12153	26203	1.41%	0.228%
40	15.139	2192	2201	2206	rBV	38963	76833	4.12%	0.669%
41	15.194	2206	2210	2214	rBV4	18173	26244	1.41%	0.229%
42	15.425	2243	2248	2255	rVB5	10255	20651	1.11%	0.180%
43	15.578	2266	2273	2275	rBV8	13616	26726	1.43%	0.233%
44	15.620	2276	2280	2291	rVB9	23197	55556	2.98%	0.484%
45	15.919	2324	2329	2334	rVB7	12907	25110	1.35%	0.219%
46	16.108	2355	2360	2366	rBV9	11712	23624	1.27%	0.206%
47	16.175	2366	2371	2378	rVB2	21496	36695	1.97%	0.320%
48	16.364	2397	2402	2409	rVB4	18179	32646	1.75%	0.284%

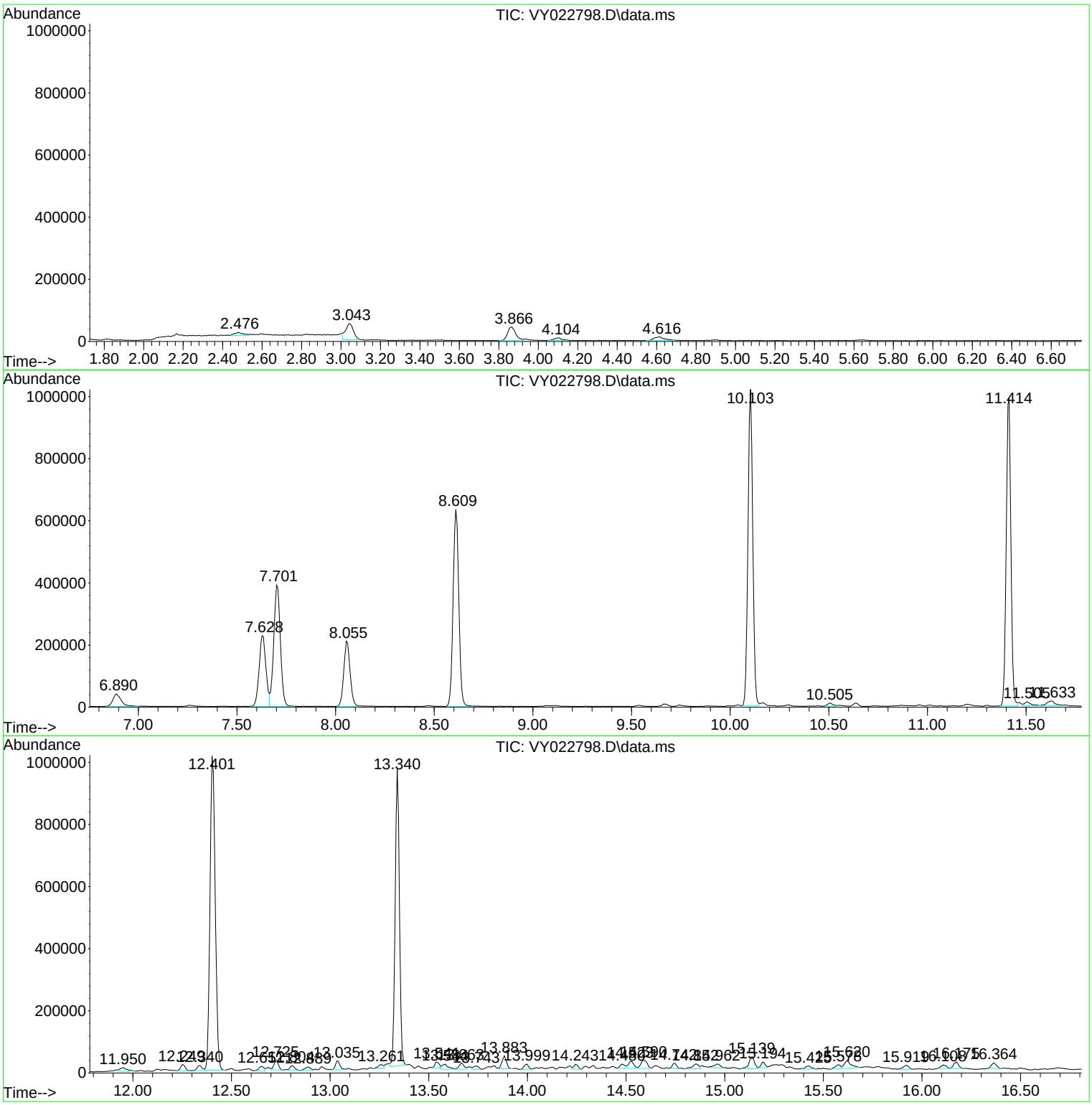
Sum of corrected areas: 11477300

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062425\
Data File : VY022798.D
Acq On : 24 Jun 2025 15:29
Operator : SY/MD
Sample : Q2393-08
Misc : 8.42g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PARK AVE -4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062425\
Data File : VY022798.D
Acq On : 24 Jun 2025 15:29
Operator : SY/MD
Sample : Q2393-08
Misc : 8.42g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PARK AVE -4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062425\
Data File : VY022798.D
Acq On : 24 Jun 2025 15:29
Operator : SY/MD
Sample : Q2393-08
Misc : 8.42g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PARK AVE -4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062425\
Data File : VY022799.D
Acq On : 24 Jun 2025 15:52
Operator : SY/MD
Sample : Q2393-10
Misc : 4.54g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PARK AVE -5

Quant Time: Jun 25 01:27:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 2025
Response via : Initial Calibration

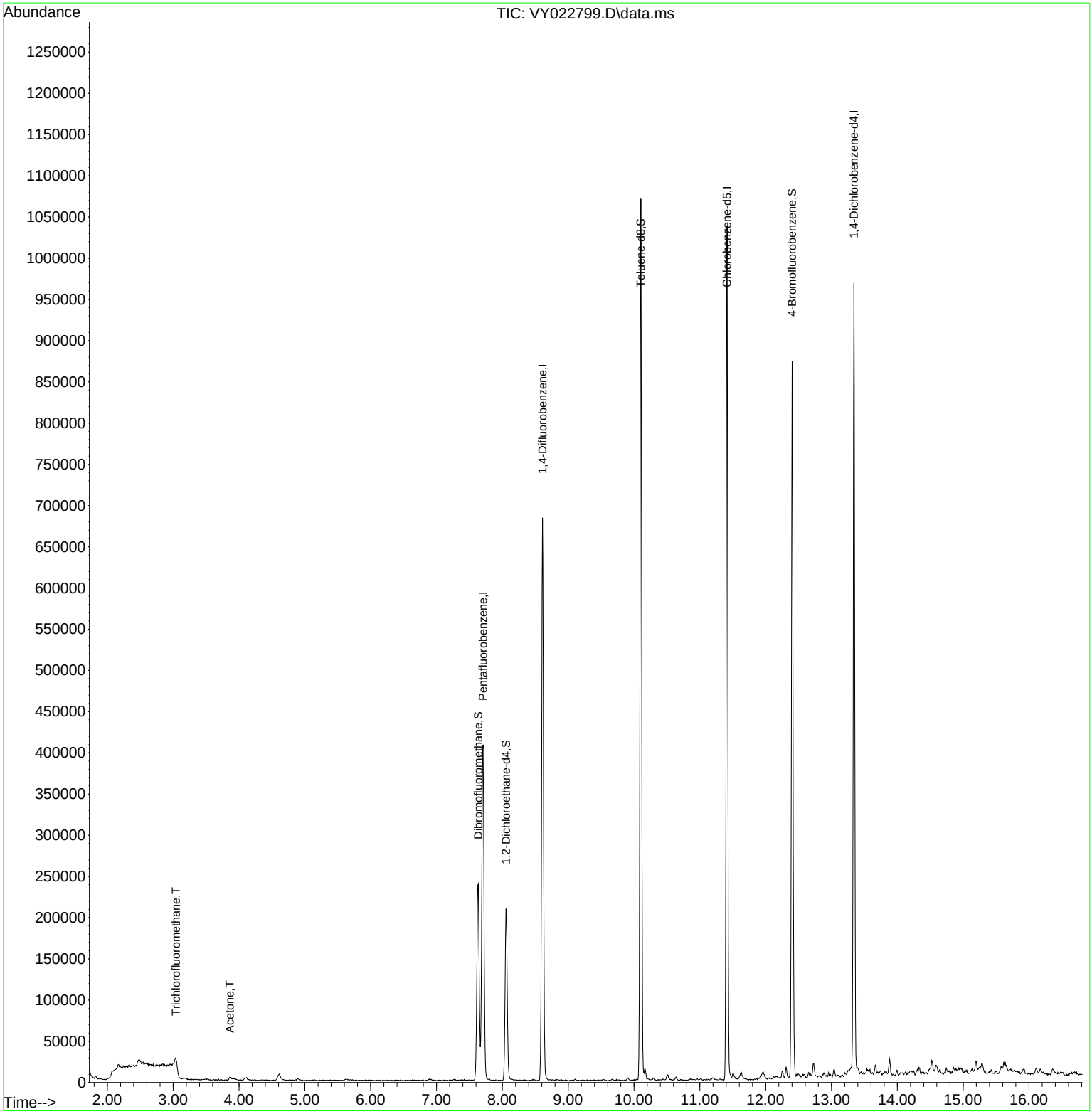
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	316843	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	576057	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	531349	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	229194	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	165593	46.827	ug/l	-0.01
Spiked Amount 50.000	Range 50 - 163		Recovery = 93.660%			
35) Dibromofluoromethane	7.634	113	171894	49.066	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.140%			
50) Toluene-d8	10.103	98	673865	48.474	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 96.940%			
62) 4-Bromofluorobenzene	12.402	95	230553	51.590	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 103.180%			
Target Compounds						Qvalue
7) Trichlorofluoromethane	3.043	101	16206	2.264	ug/l	92
16) Acetone	3.860	43	6248	9.348	ug/l	96

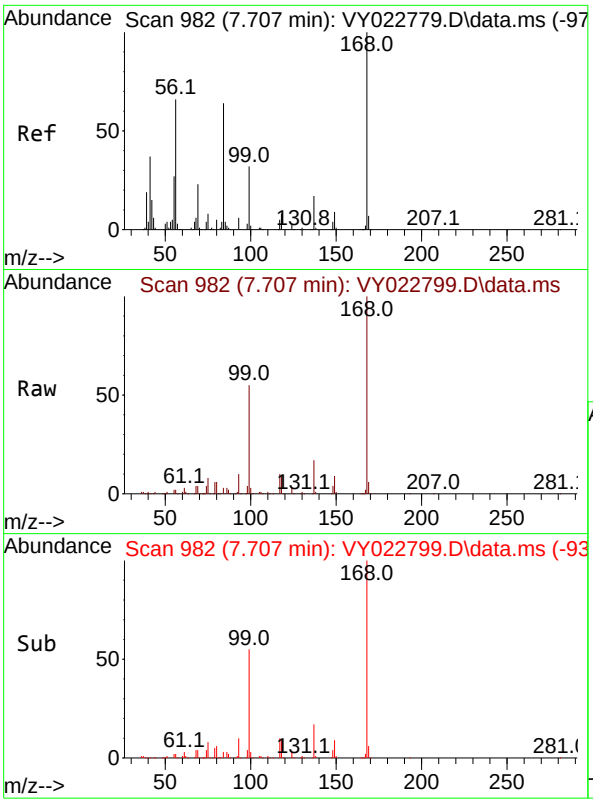
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062425\
Data File : VY022799.D
Acq On : 24 Jun 2025 15:52
Operator : SY/MD
Sample : Q2393-10
Misc : 4.54g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PARK AVE -5

Quant Time: Jun 25 01:27:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 2025
Response via : Initial Calibration



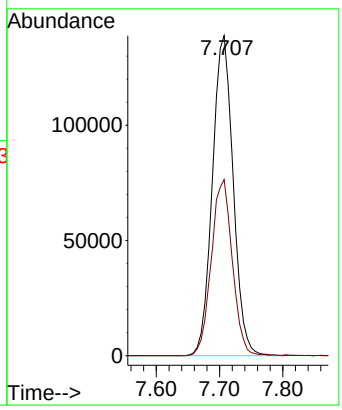


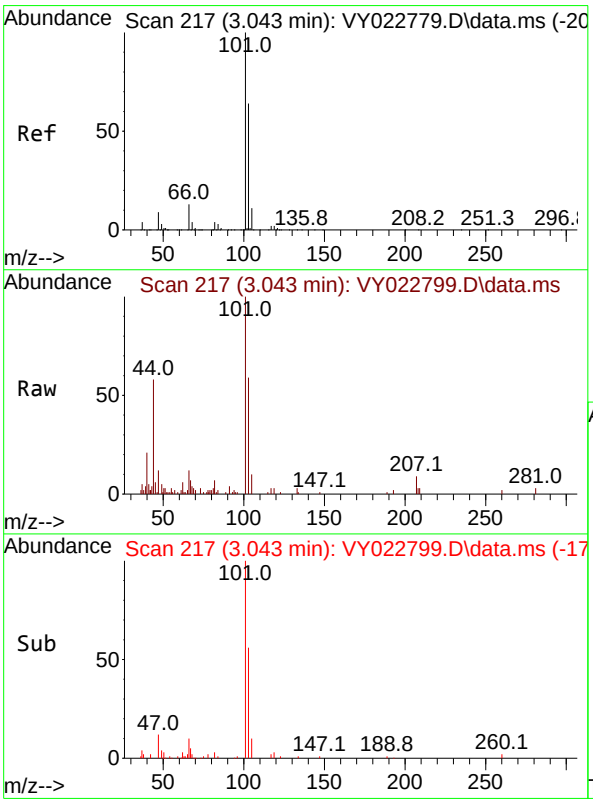
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022799.D
Acq: 24 Jun 2025 15:52

Instrument :
MSVOA_Y
ClientSampleId :
PARK AVE -5

Tgt Ion:168 Resp: 316843

Ion	Ratio	Lower	Upper
168	100		
99	55.1	44.3	66.5

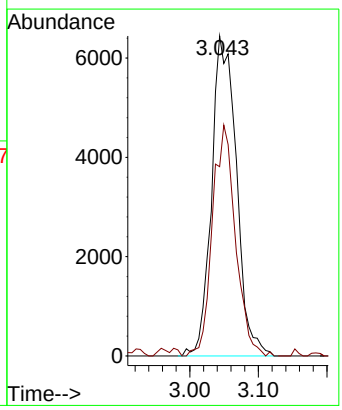




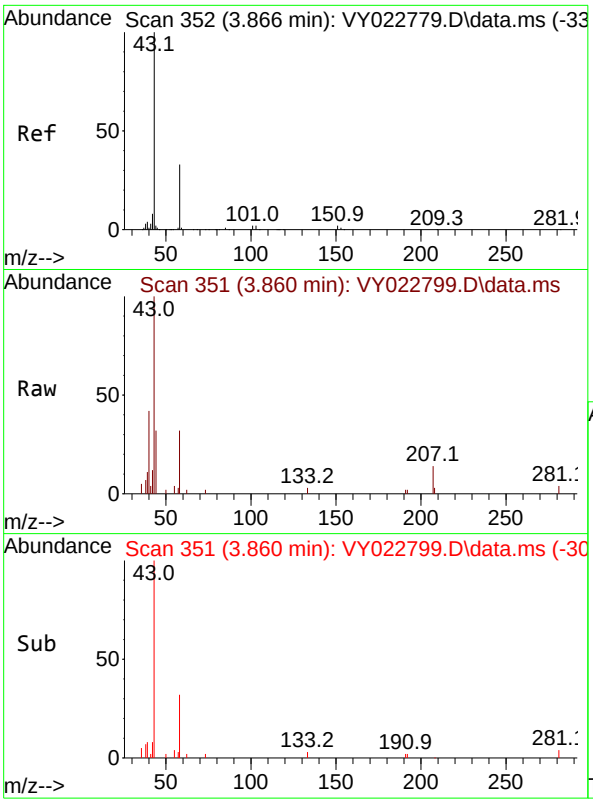
#7
Trichlorofluoromethane
Concen: 2.264 ug/l
RT: 3.043 min Scan# 217
Delta R.T. -0.012 min
Lab File: VY022799.D
Acq: 24 Jun 2025 15:52

Tgt Ion:101 Resp: 16206

Ion	Ratio	Lower	Upper
101	100		
103	59.2	52.2	78.2



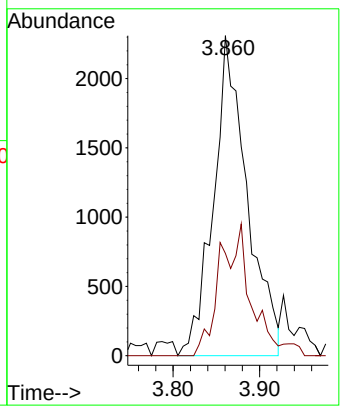
Instrument :
MSVOA_Y
ClientSampleId :
PARK AVE -5

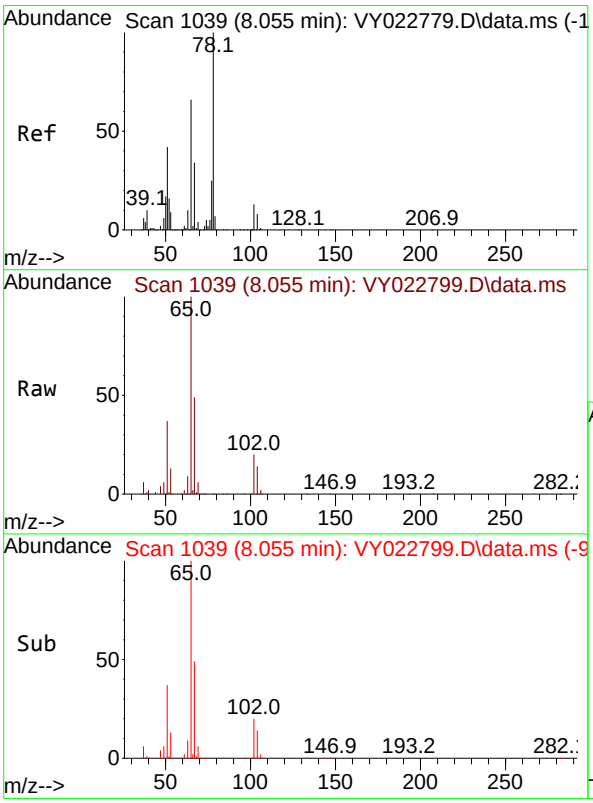


#16
Acetone
Concen: 9.348 ug/l
RT: 3.860 min Scan# 3
Delta R.T. -0.018 min
Lab File: VY022799.D
Acq: 24 Jun 2025 15:52

Tgt Ion: 43 Resp: 6248

Ion	Ratio	Lower	Upper
43	100		
58	31.9	24.0	36.0

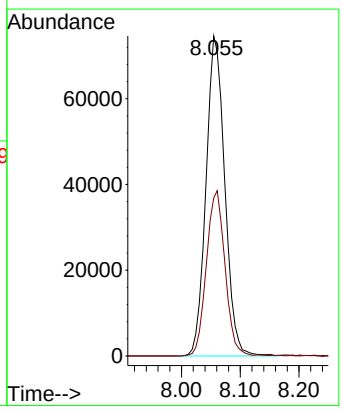


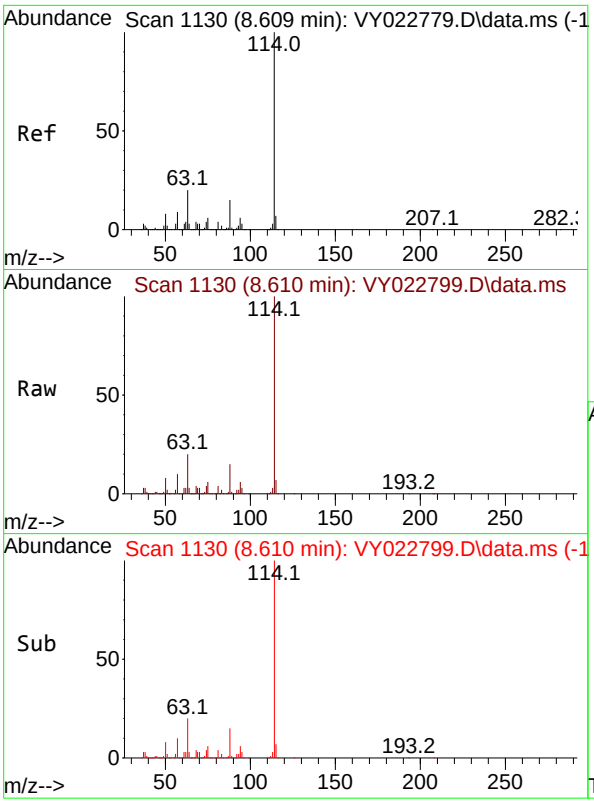


#33
1,2-Dichloroethane-d4
Concen: 46.827 ug/l
RT: 8.055 min Scan# 1039
Delta R.T. -0.012 min
Lab File: VY022799.D
Acq: 24 Jun 2025 15:52

Tgt Ion: 65 Resp: 165593

Ion	Ratio	Lower	Upper
65	100		
67	51.2	0.0	103.4



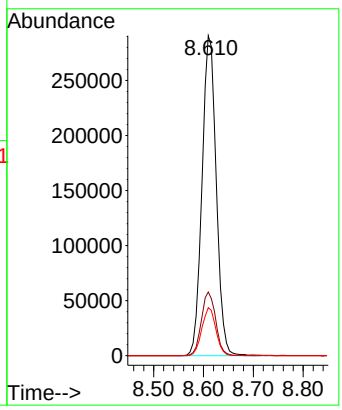


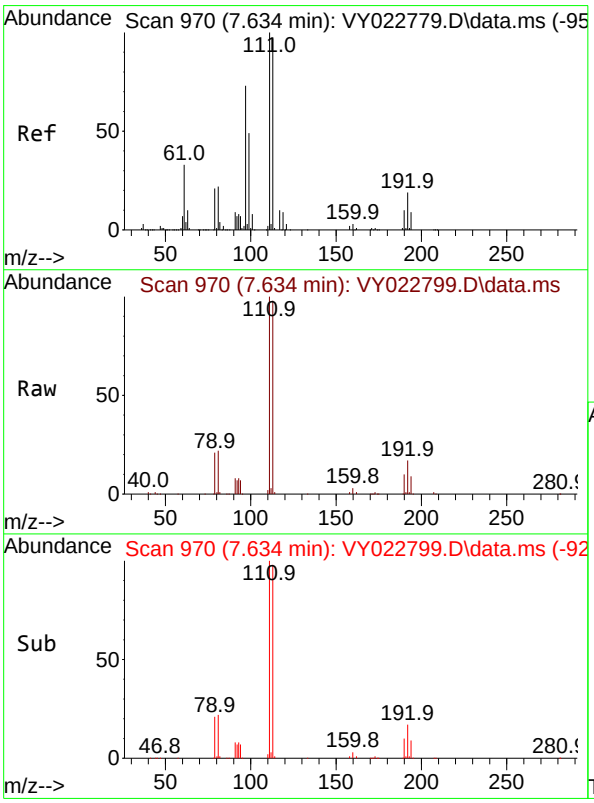
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.610 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022799.D
Acq: 24 Jun 2025 15:52

Instrument :
MSVOA_Y
ClientSampleId :
PARK AVE -5

Tgt Ion:114 Resp: 576057

Ion	Ratio	Lower	Upper
114	100		
63	19.9	0.0	40.8
88	15.0	0.0	27.8

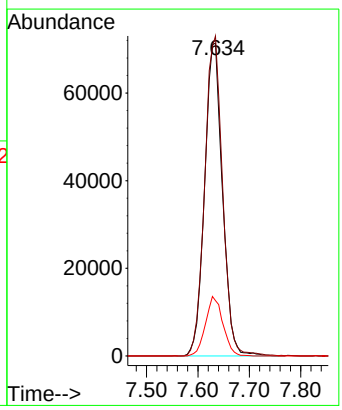


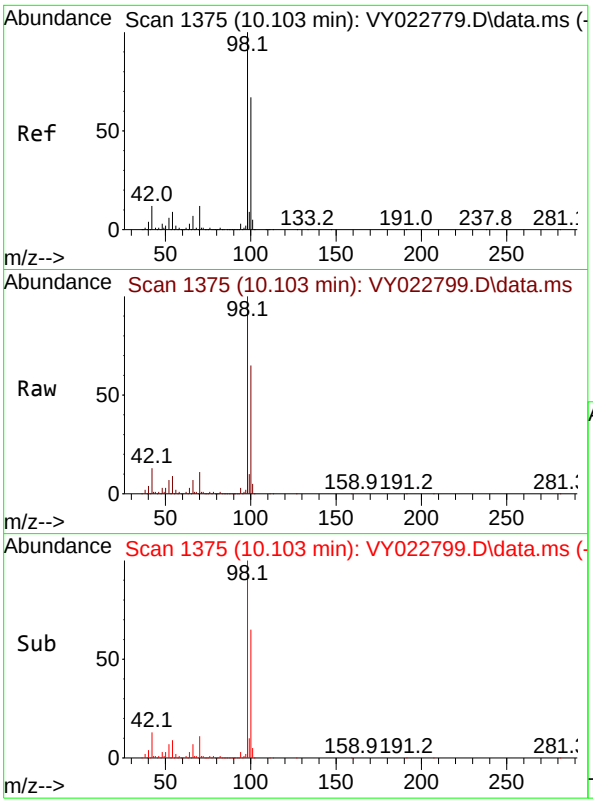


#35
Dibromofluoromethane
Concen: 49.066 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY022799.D
Acq: 24 Jun 2025 15:52

Tgt Ion:113 Resp: 171894

Ion	Ratio	Lower	Upper
113	100		
111	102.7	81.1	121.7
192	18.6	14.2	21.2



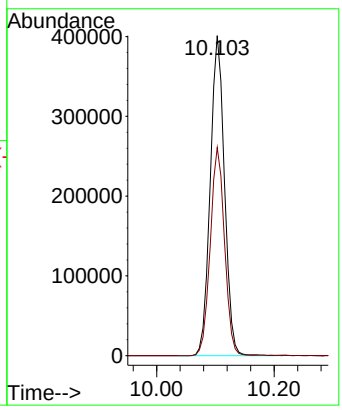


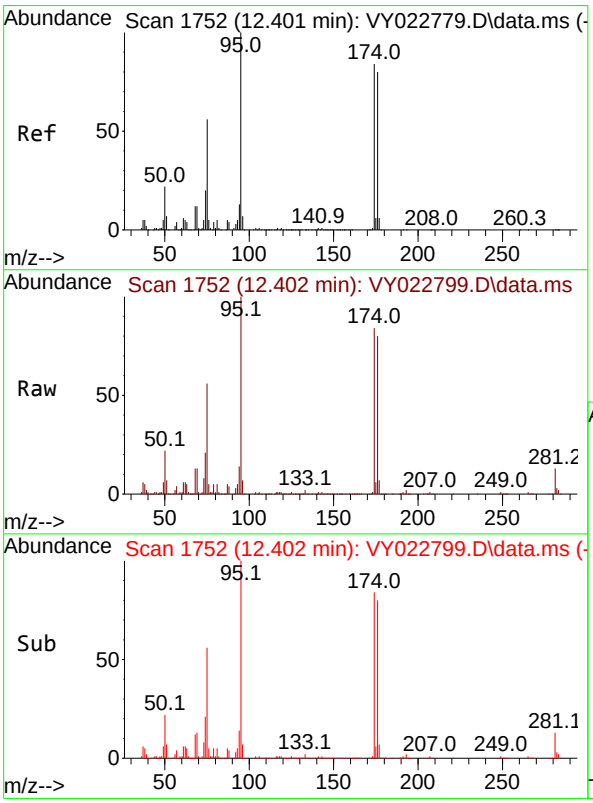
#50
Toluene-d8
Concen: 48.474 ug/l
RT: 10.103 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022799.D
Acq: 24 Jun 2025 15:52

Instrument :
MSVOA_Y
ClientSampleId :
PARK AVE -5

Tgt Ion: 98 Resp: 673865

Ion	Ratio	Lower	Upper
98	100		
100	65.1	51.4	77.0

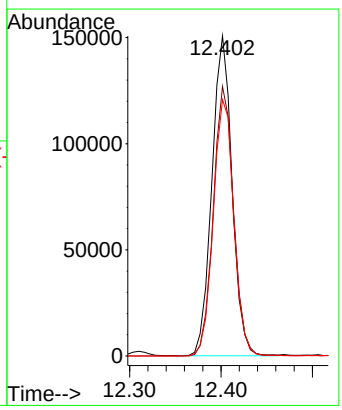


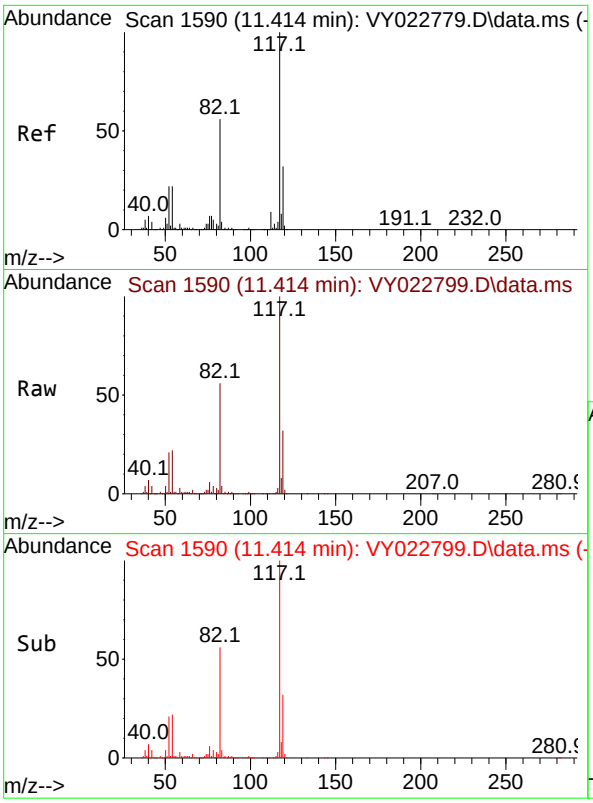


#62
4-Bromofluorobenzene
Concen: 51.590 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022799.D
Acq: 24 Jun 2025 15:52

Tgt Ion: 95 Resp: 230553

Ion	Ratio	Lower	Upper
95	100		
174	84.7	0.0	170.0
176	81.8	0.0	166.2



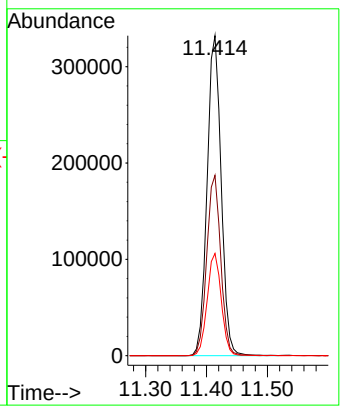


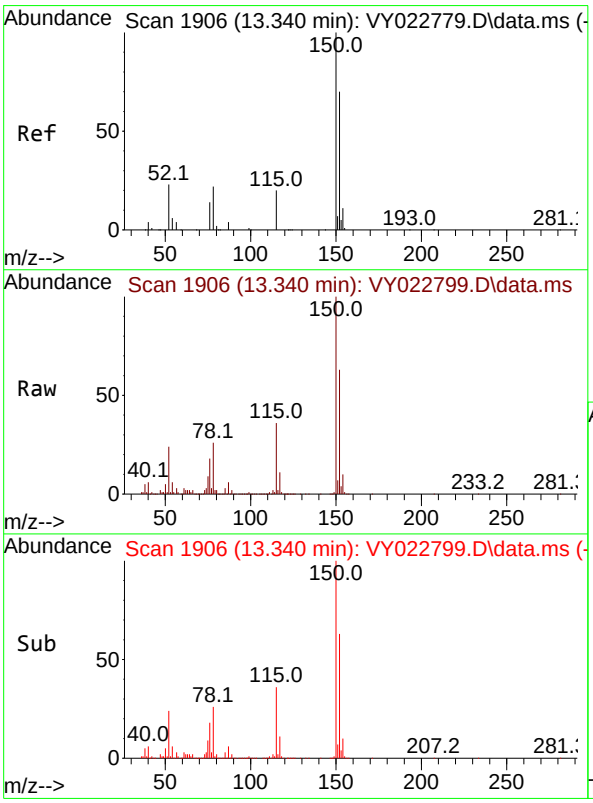
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022799.D
Acq: 24 Jun 2025 15:52

Instrument :
MSVOA_Y
ClientSampleId :
PARK AVE -5

Tgt Ion:117 Resp: 531349

Ion	Ratio	Lower	Upper
117	100		
82	56.4	44.6	66.8
119	31.9	25.4	38.0

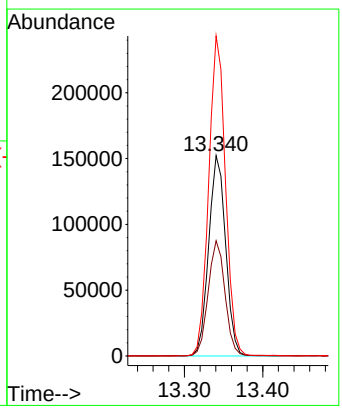




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.340 min Scan# 1906
Delta R.T. -0.006 min
Lab File: VY022799.D
Acq: 24 Jun 2025 15:52

Tgt Ion:152 Resp: 229194

Ion	Ratio	Lower	Upper
152	100		
115	56.6	28.9	86.7
150	157.7	0.0	349.6



Sample Results: **VY022799.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062425\
Data File : VY022799.D
Acq On : 24 Jun 2025 15:52
Operator : SY/MD
Sample : Q2393-10
Misc : 4.54g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PARK AVE -5

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Title : SW846 8260

Signal : TIC: VY022799.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.074	48	58	60	rBV7	9331	20726	1.14%	0.206%
2	2.483	119	125	132	rBV10	7526	24892	1.37%	0.247%
3	4.610	463	474	483	rBV5	7944	26484	1.46%	0.263%
4	7.634	959	970	975	rBV	238414	576364	31.83%	5.724%
5	7.707	975	982	995	rVB	406087	942395	52.05%	9.359%
6	8.055	1031	1039	1051	rBV	208220	469902	25.95%	4.667%
7	8.610	1121	1130	1140	rBV	682824	1343848	74.22%	13.347%
8	10.103	1367	1375	1383	rBV	1068678	1810550	100.00%	17.982%
9	10.164	1383	1385	1390	rVB	13112	19564	1.08%	0.194%
10	11.414	1582	1590	1601	rBV	1036321	1685282	93.08%	16.737%
11	11.627	1617	1625	1636	rVB8	8620	21527	1.19%	0.214%
12	11.963	1669	1680	1690	rVB8	8813	28120	1.55%	0.279%
13	12.310	1733	1737	1744	rVB4	12508	18644	1.03%	0.185%
14	12.402	1744	1752	1761	rBV2	869573	1457941	80.52%	14.480%
15	12.725	1801	1805	1815	rVB7	16850	32766	1.81%	0.325%
16	13.340	1894	1906	1914	rBV	956856	1451664	80.18%	14.417%
17	13.883	1990	1995	2001	rVB3	19491	32775	1.81%	0.326%
18	14.523	2089	2100	2106	rBV3	16352	45461	2.51%	0.451%
19	14.584	2106	2110	2117	rVB7	8539	19241	1.06%	0.191%
20	15.285	2222	2225	2231	rVB2	10491	20729	1.14%	0.206%
21	16.358	2395	2401	2408	rBV2	7223	20027	1.11%	0.199%

Sum of corrected areas: 10068902

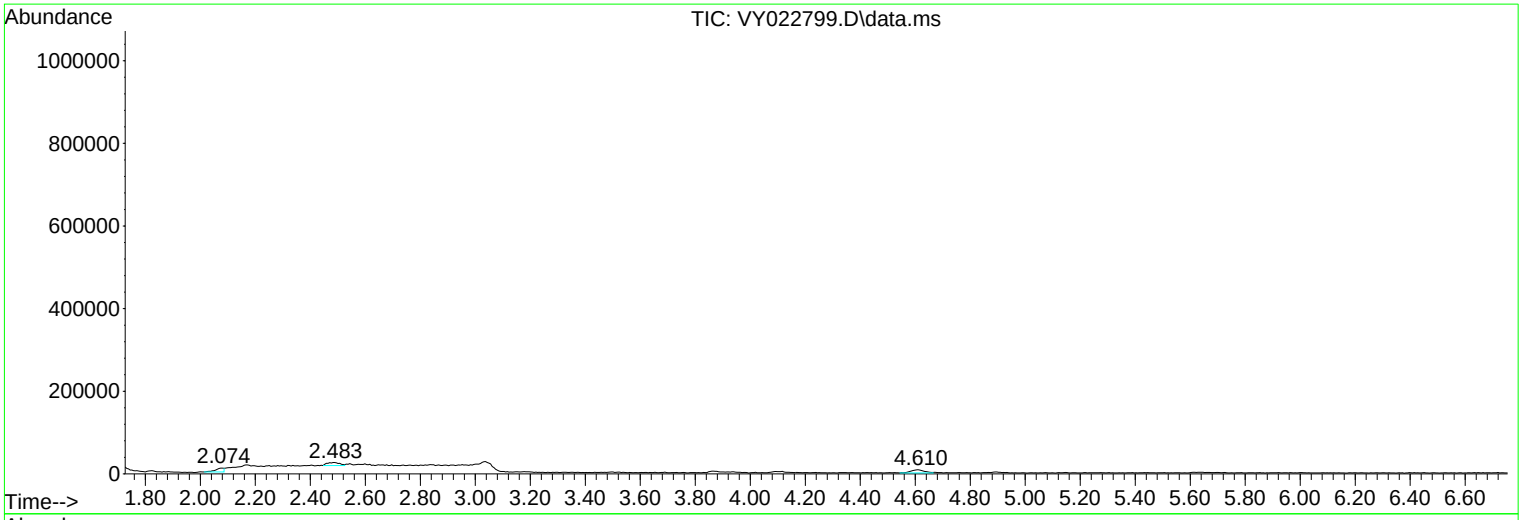
Sample Results: **VY022799.D**

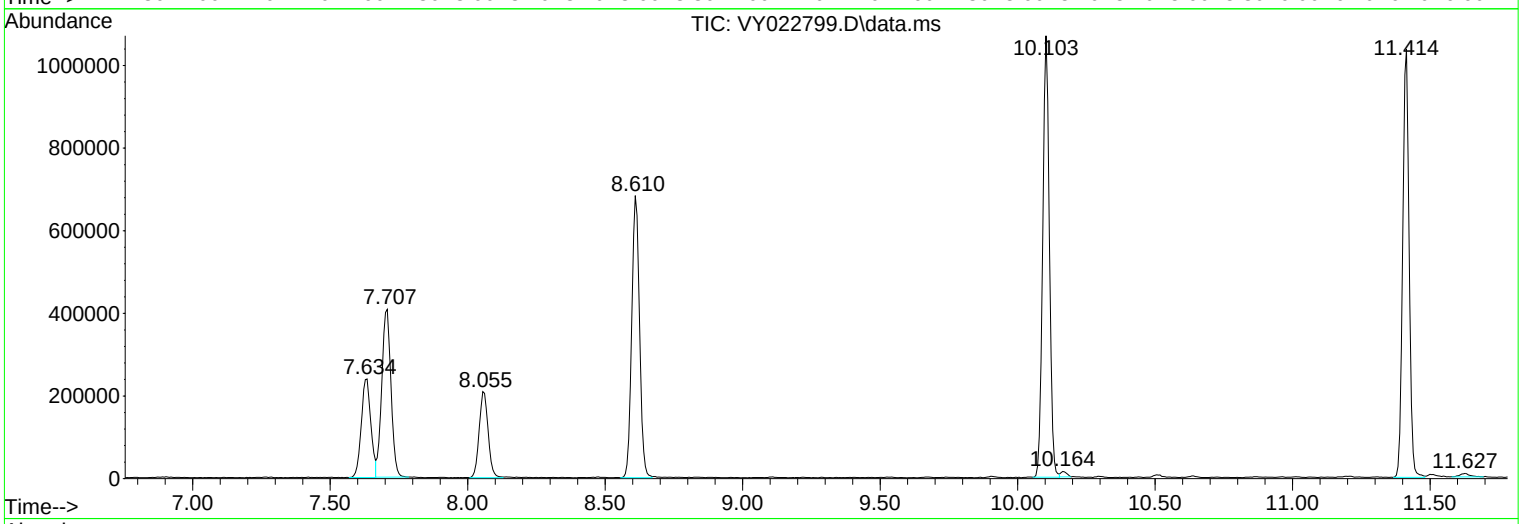
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062425\
Data File : VY022799.D
Acq On : 24 Jun 2025 15:52
Operator : SY/MD
Sample : Q2393-10
Misc : 4.54g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

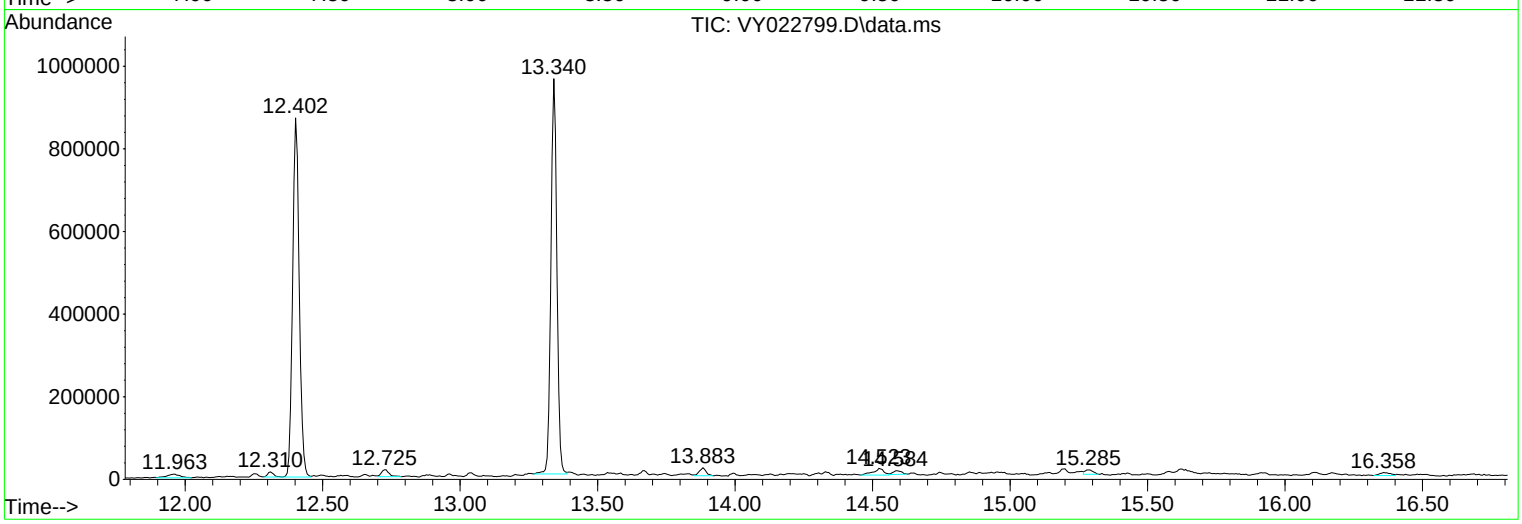
Instrument :
MSVOA_Y
ClientSampleId :
PARK AVE -5

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P







Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062425\
Data File : VY022799.D
Acq On : 24 Jun 2025 15:52
Operator : SY/MD
Sample : Q2393-10
Misc : 4.54g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PARK AVE -5

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062425\
Data File : VY022799.D
Acq On : 24 Jun 2025 15:52
Operator : SY/MD
Sample : Q2393-10
Misc : 4.54g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PARK AVE -5

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062425\
Data File : VY022800.D
Acq On : 24 Jun 2025 16:16
Operator : SY/MD
Sample : Q2393-12
Misc : 6.11g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PARK AVE -6

Quant Time: Jun 25 01:28:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 2025
Response via : Initial Calibration

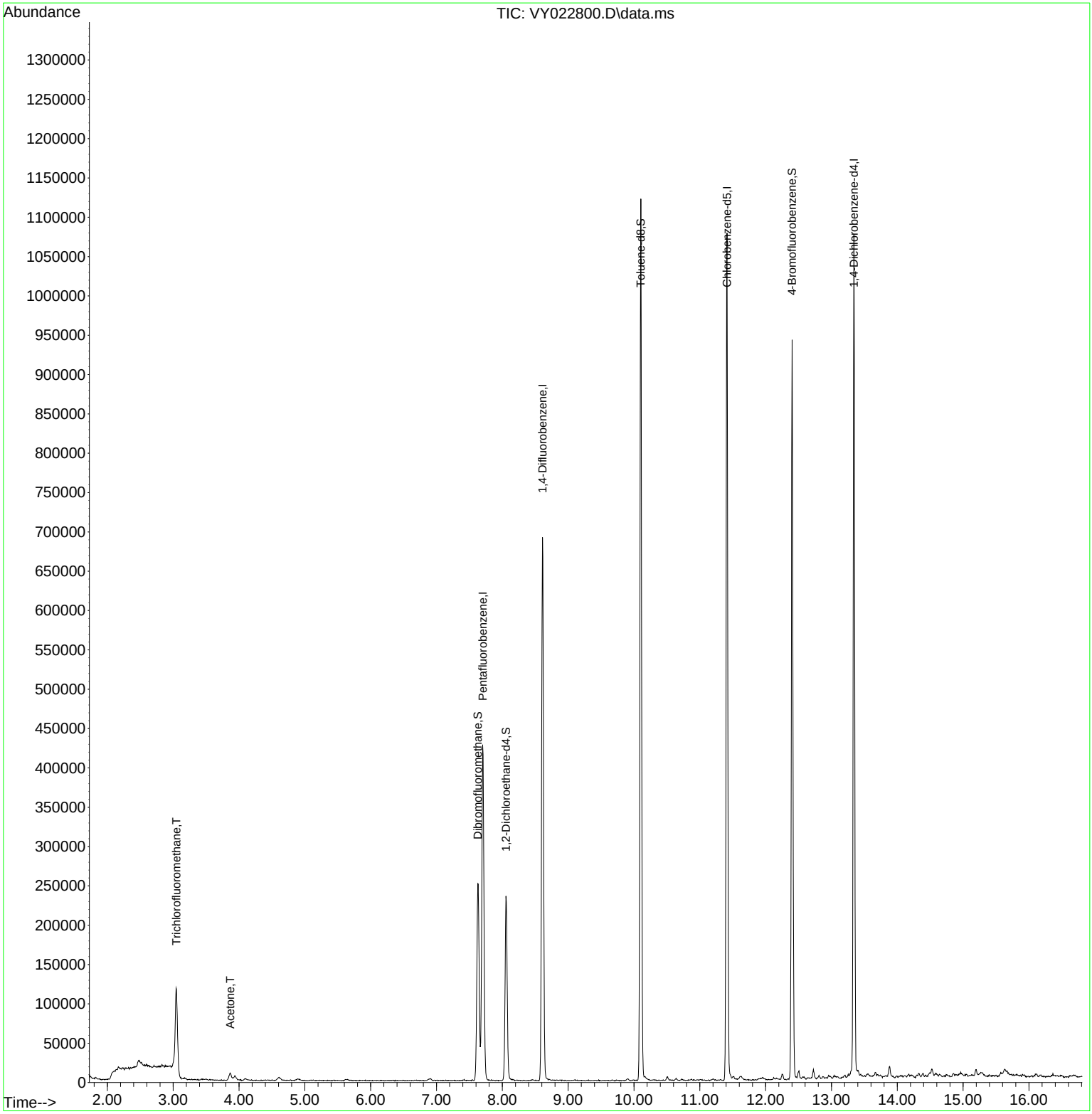
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.701	168	326857	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.609	114	591695	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	562315	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	253297	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	182513	50.030	ug/l	-0.01
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.060%			
35) Dibromofluoromethane	7.628	113	180799	50.244	ug/l	-0.01
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.480%			
50) Toluene-d8	10.103	98	704656	49.349	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 98.700%			
62) 4-Bromofluorobenzene	12.401	95	248893	54.222	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 108.440%			
Target Compounds						Qvalue
7) Trichlorofluoromethane	3.049	101	110190	14.925	ug/l	94
16) Acetone	3.866	43	16416	23.808	ug/l	91

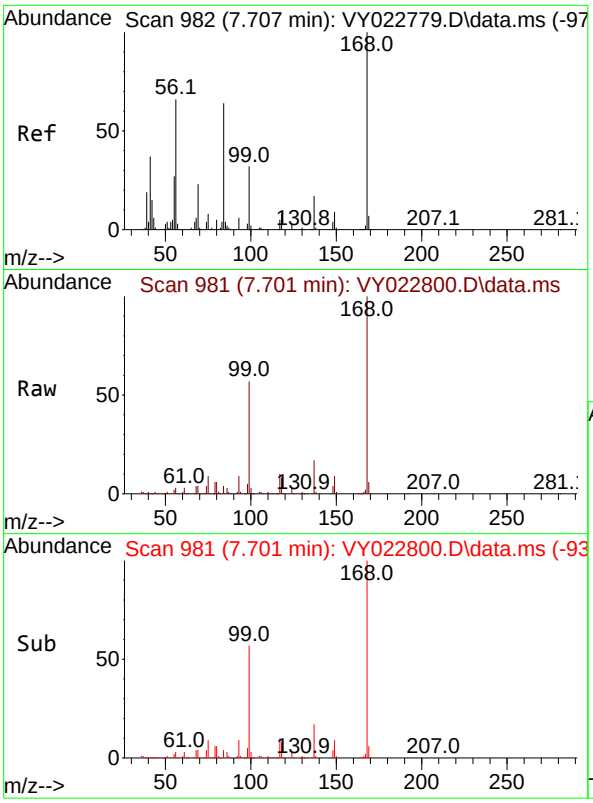
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062425\
Data File : VY022800.D
Acq On : 24 Jun 2025 16:16
Operator : SY/MD
Sample : Q2393-12
Misc : 6.11g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PARK AVE -6

Quant Time: Jun 25 01:28:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 2025
Response via : Initial Calibration



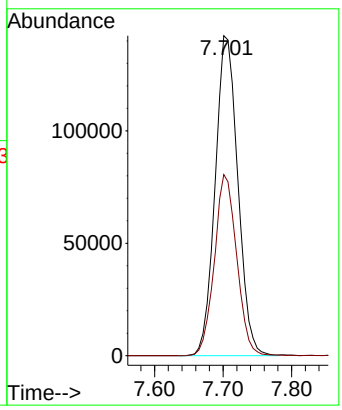


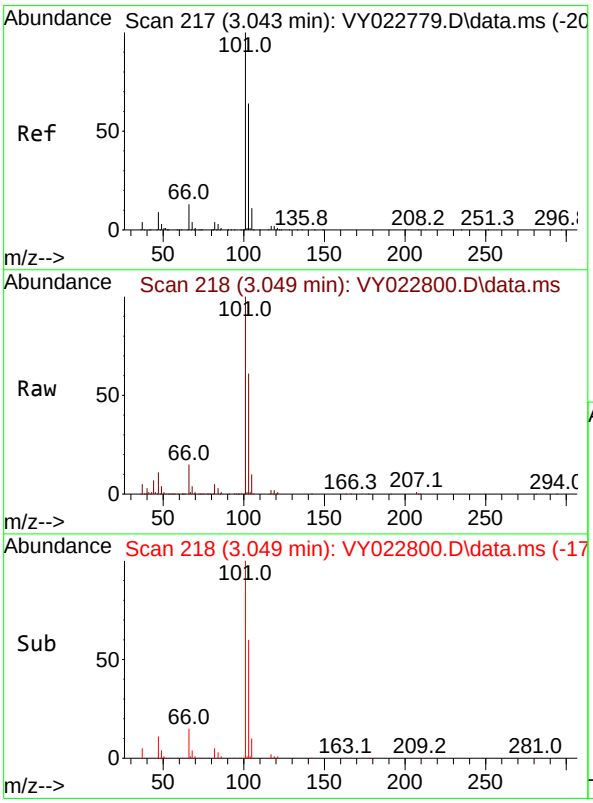
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 9
Delta R.T. -0.012 min
Lab File: VY022800.D
Acq: 24 Jun 2025 16:16

Instrument :
MSVOA_Y
ClientSampleId :
PARK AVE -6

Tgt Ion:168 Resp: 326857

Ion	Ratio	Lower	Upper
168	100		
99	56.6	44.3	66.5

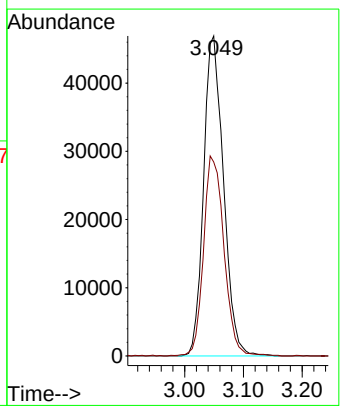


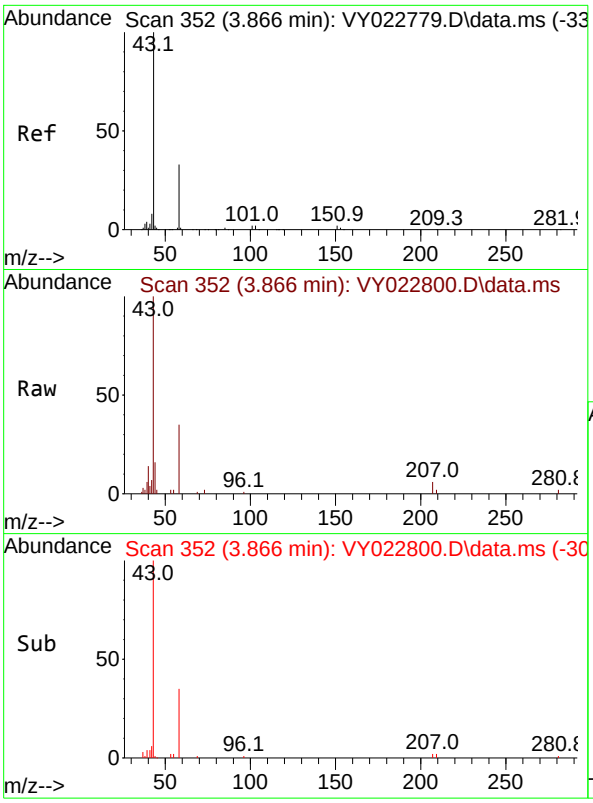


#7
Trichlorofluoromethane
Concen: 14.925 ug/l
RT: 3.049 min Scan# 218
Delta R.T. -0.006 min
Lab File: VY022800.D
Acq: 24 Jun 2025 16:16

Tgt Ion:101 Resp: 110190

Ion	Ratio	Lower	Upper
101	100		
103	60.4	52.2	78.2



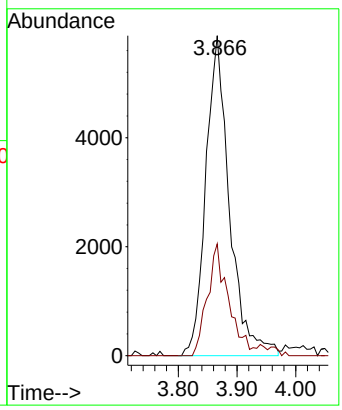


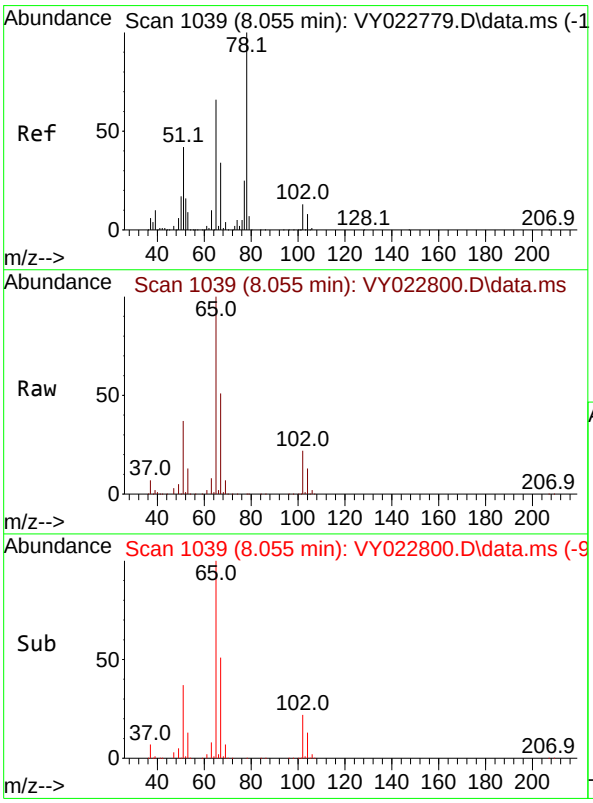
#16
Acetone
Concen: 23.808 ug/l
RT: 3.866 min Scan# 3
Delta R.T. -0.012 min
Lab File: VY022800.D
Acq: 24 Jun 2025 16:16

Instrument :
MSVOA_Y
ClientSampleId :
PARK AVE -6

Tgt Ion: 43 Resp: 16416

Ion	Ratio	Lower	Upper
43	100		
58	35.0	24.0	36.0

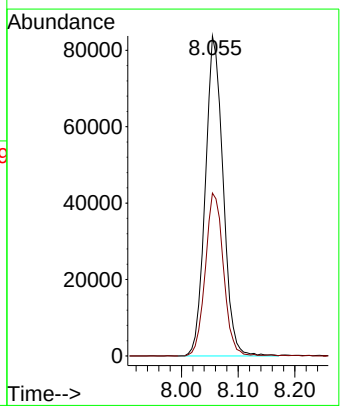


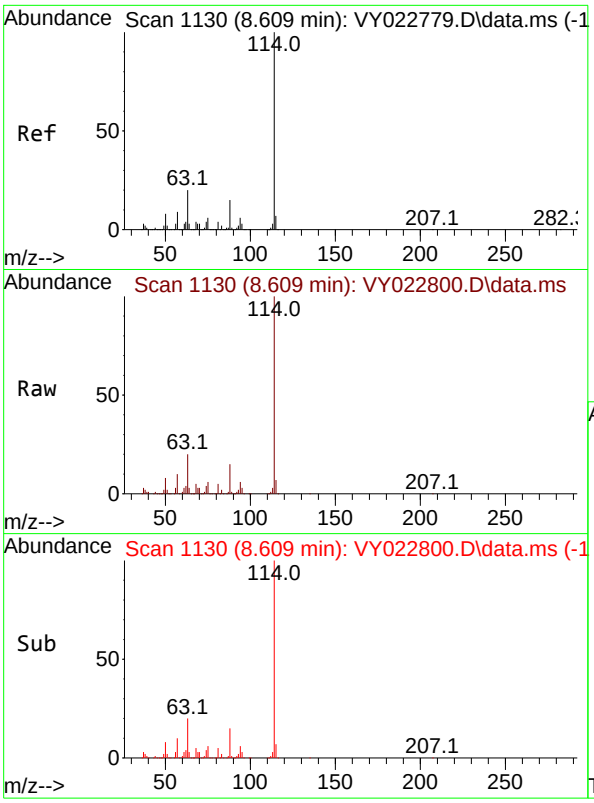


#33
1,2-Dichloroethane-d4
Concen: 50.030 ug/l
RT: 8.055 min Scan# 1039
Delta R.T. -0.012 min
Lab File: VY022800.D
Acq: 24 Jun 2025 16:16

Tgt Ion: 65 Resp: 182513

Ion	Ratio	Lower	Upper
65	100		
67	51.9	0.0	103.4



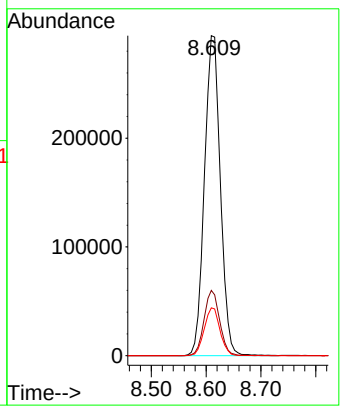


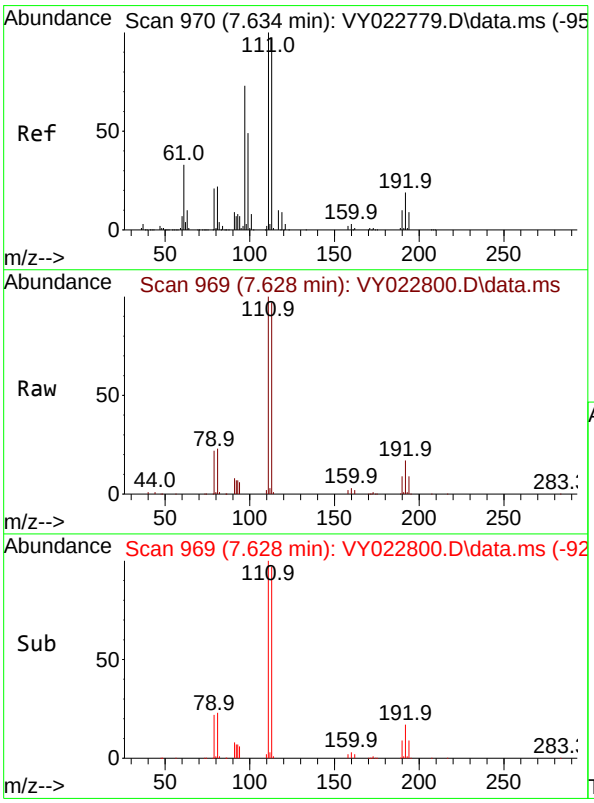
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.609 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022800.D
Acq: 24 Jun 2025 16:16

Instrument :
MSVOA_Y
ClientSampleId :
PARK AVE -6

Tgt Ion:114 Resp: 591695

Ion	Ratio	Lower	Upper
114	100		
63	20.4	0.0	40.8
88	14.9	0.0	27.8

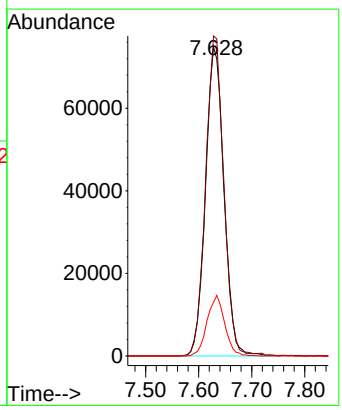


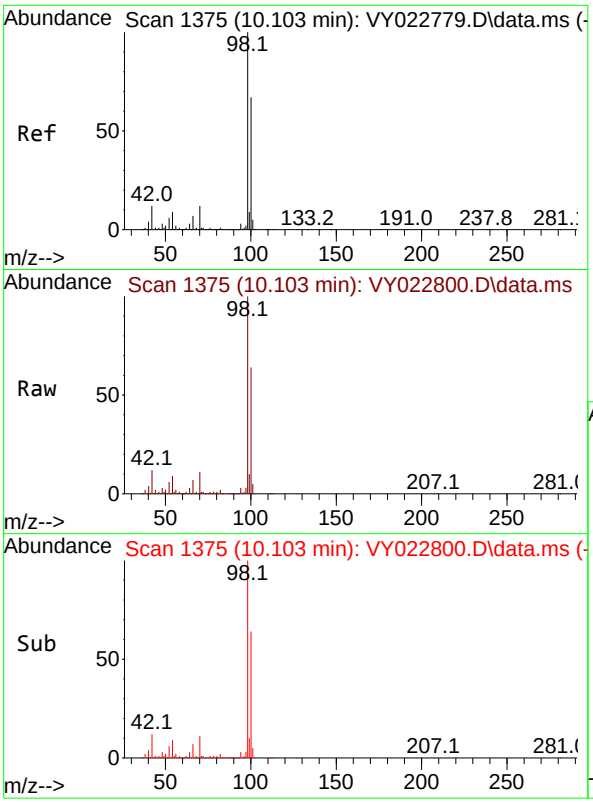


#35
Dibromofluoromethane
Concen: 50.244 ug/l
RT: 7.628 min Scan# 969
Delta R.T. -0.012 min
Lab File: VY022800.D
Acq: 24 Jun 2025 16:16

Tgt Ion:113 Resp: 180799

Ion	Ratio	Lower	Upper
113	100		
111	102.4	81.1	121.7
192	18.8	14.2	21.2



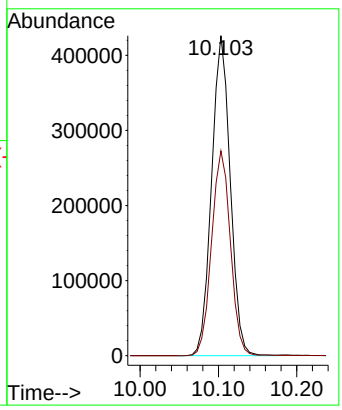


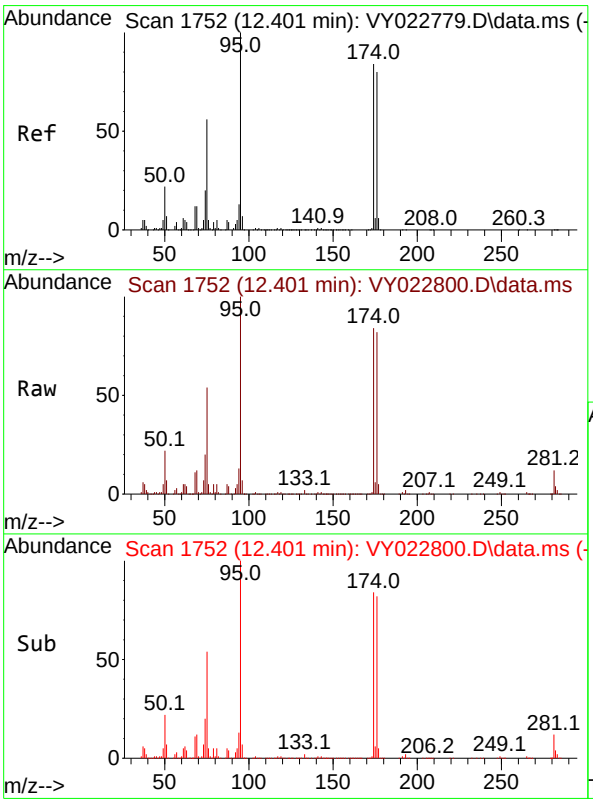
#50
Toluene-d8
Concen: 49.349 ug/l
RT: 10.103 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022800.D
Acq: 24 Jun 2025 16:16

Instrument :
MSVOA_Y
ClientSampleId :
PARK AVE -6

Tgt Ion: 98 Resp: 704656

Ion	Ratio	Lower	Upper
98	100		
100	64.8	51.4	77.0

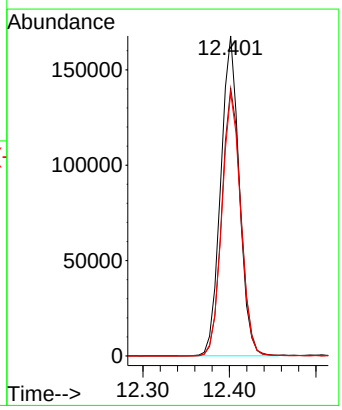




#62
4-Bromofluorobenzene
Concen: 54.222 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022800.D
Acq: 24 Jun 2025 16:16

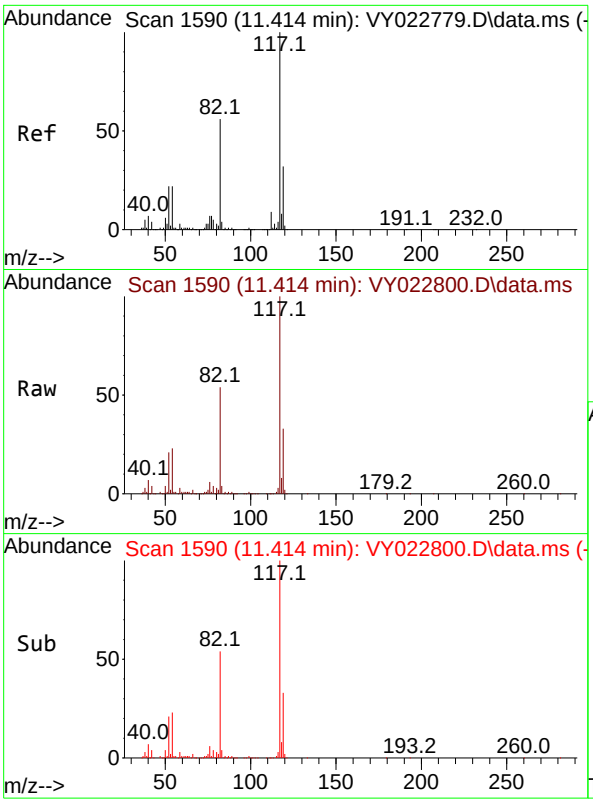
Tgt Ion: 95 Resp: 248893

Ion	Ratio	Lower	Upper
95	100		
174	85.9	0.0	170.0
176	83.3	0.0	166.2



5

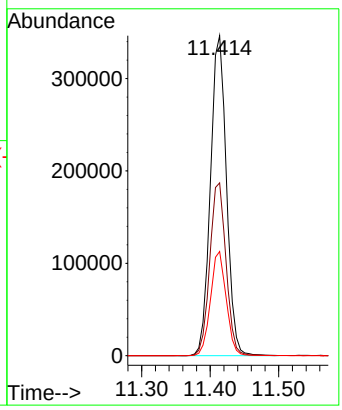
Instrument :
MSVOA_Y
ClientSampleId :
PARK AVE -6

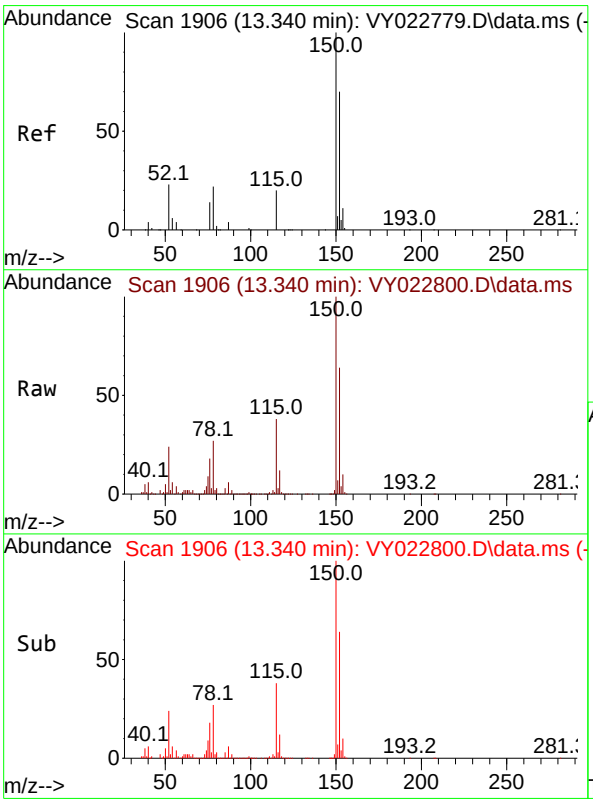


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022800.D
Acq: 24 Jun 2025 16:16

Tgt Ion:117 Resp: 562315

Ion	Ratio	Lower	Upper
117	100		
82	54.0	44.6	66.8
119	32.5	25.4	38.0

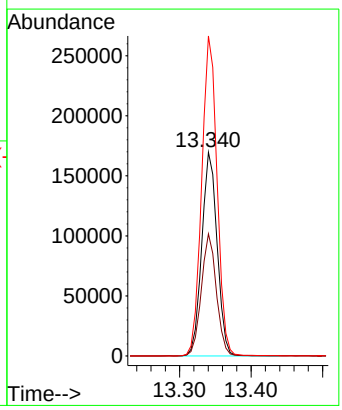




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.340 min Scan# 1906
Delta R.T. -0.006 min
Lab File: VY022800.D
Acq: 24 Jun 2025 16:16

Tgt Ion:152 Resp: 253297

Ion	Ratio	Lower	Upper
152	100		
115	58.6	28.9	86.7
150	157.5	0.0	349.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062425\
Data File : VY022800.D
Acq On : 24 Jun 2025 16:16
Operator : SY/MD
Sample : Q2393-12
Misc : 6.11g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PARK AVE -6

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Title : SW846 8260

Signal : TIC: VY022800.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.111	51	64	65	rBV3	10663	36735	1.95%	0.342%
2	3.043	207	217	228	rVB	114176	325574	17.31%	3.030%
3	3.866	343	352	359	rBV	9378	26436	1.41%	0.246%
4	7.628	960	969	975	rBV	250363	606536	32.24%	5.644%
5	7.701	975	981	994	rVB	426339	976201	51.89%	9.084%
6	8.055	1028	1039	1050	rBV	234869	526048	27.96%	4.895%
7	8.609	1121	1130	1144	rBV	690882	1384929	73.62%	12.888%
8	10.103	1366	1375	1383	rBV	1121366	1881191	100.00%	17.506%
9	11.414	1582	1590	1601	rBV	1077429	1774573	94.33%	16.514%
10	12.401	1744	1752	1761	rBV2	940203	1551185	82.46%	14.435%
11	12.725	1799	1805	1812	rVB6	12206	20985	1.12%	0.195%
12	13.340	1894	1906	1913	rBV	1069435	1613002	85.74%	15.010%
13	13.883	1990	1995	2002	rVB2	12765	22493	1.20%	0.209%

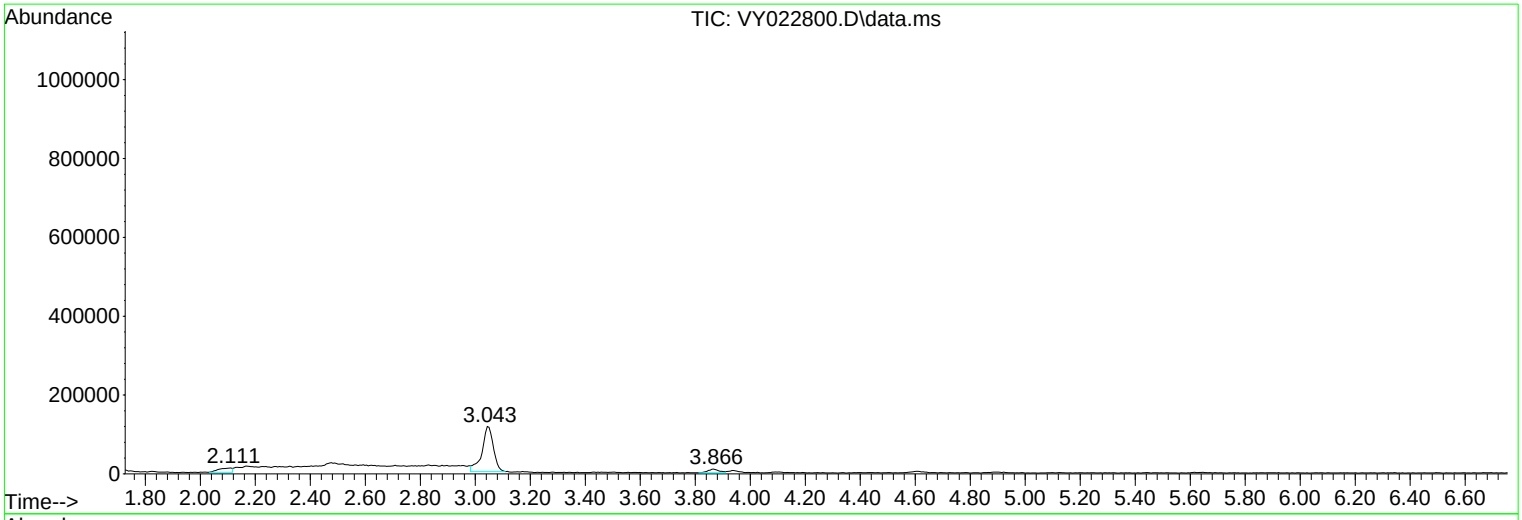
Sum of corrected areas: 10745888

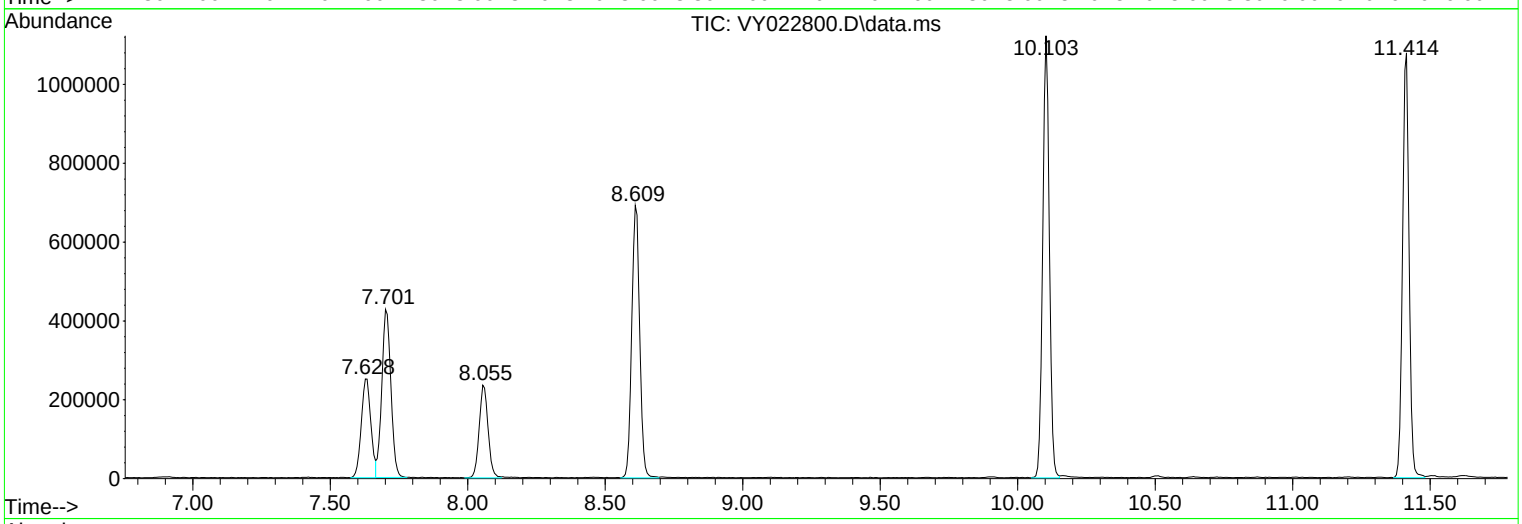
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062425\
Data File : VY022800.D
Acq On : 24 Jun 2025 16:16
Operator : SY/MD
Sample : Q2393-12
Misc : 6.11g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

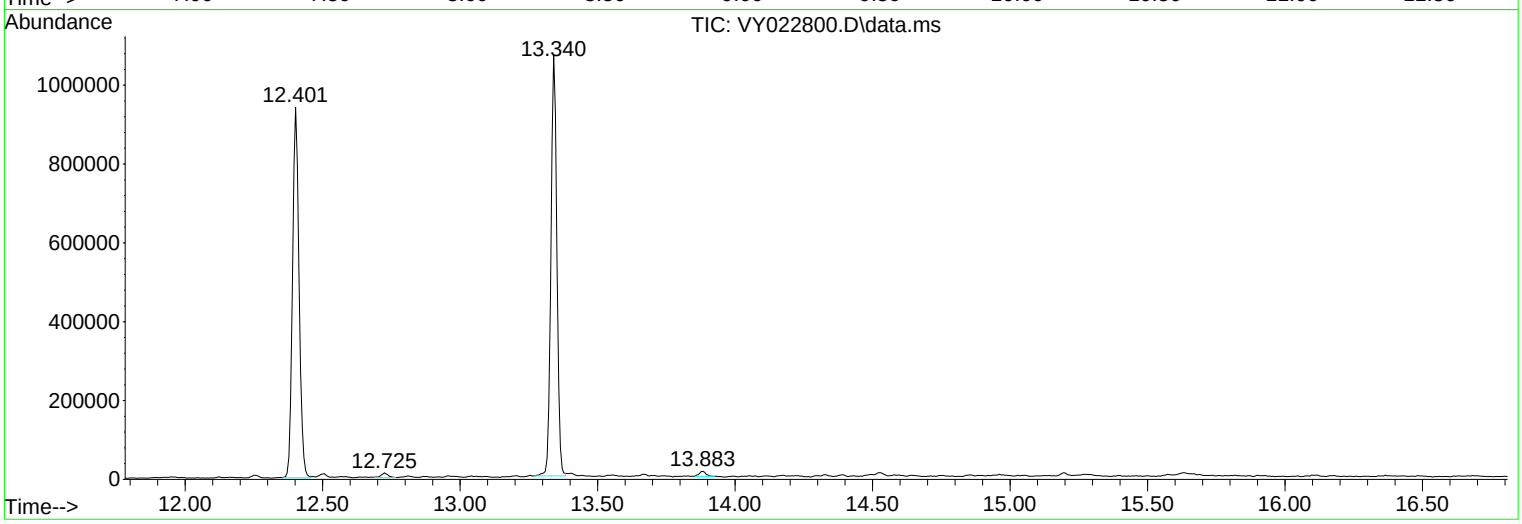
Instrument :
MSVOA_Y
ClientSampleId :
PARK AVE -6

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P







Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062425\
Data File : VY022800.D
Acq On : 24 Jun 2025 16:16
Operator : SY/MD
Sample : Q2393-12
Misc : 6.11g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PARK AVE -6

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062425\
Data File : VY022800.D
Acq On : 24 Jun 2025 16:16
Operator : SY/MD
Sample : Q2393-12
Misc : 6.11g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PARK AVE -6

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062425\
Data File : VY022786.D
Acq On : 24 Jun 2025 10:25
Operator : SY/MD
Sample : VY0624SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0624SBL01

Quant Time: Jun 25 01:20:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	300507	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	535641	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	452693	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	171409	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	182809	54.505	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 109.020%			
35) Dibromofluoromethane	7.628	113	170594	52.369	ug/l	-0.01
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.740%			
50) Toluene-d8	10.103	98	635701	49.179	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 98.360%			
62) 4-Bromofluorobenzene	12.402	95	177906	42.813	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 85.620%			

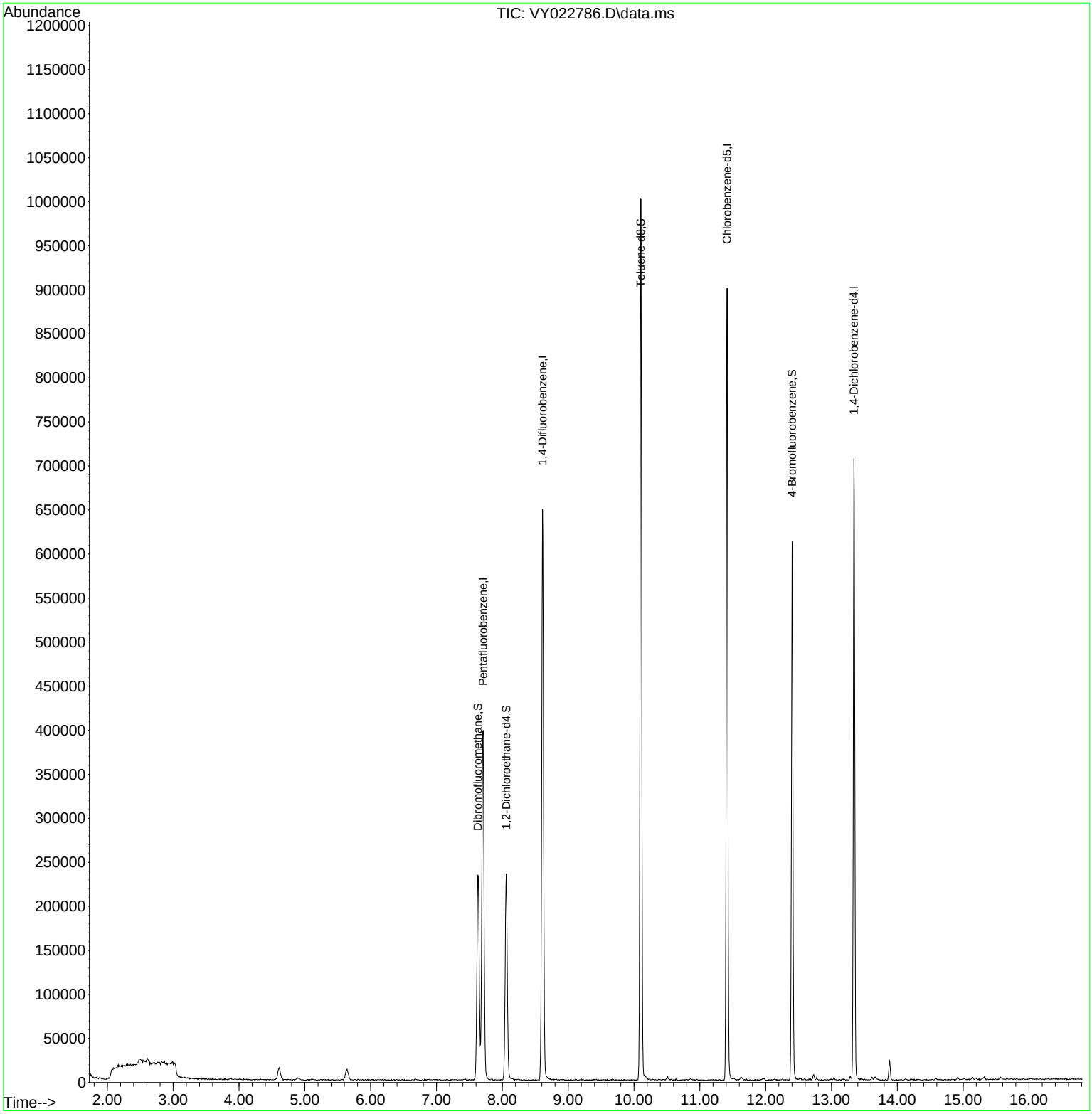
Target Compounds Qvalue

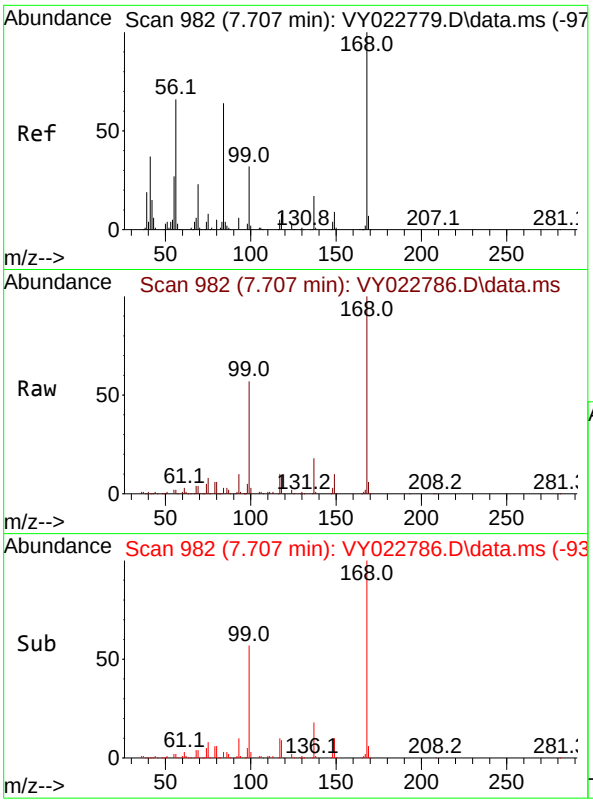
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062425\
Data File : VY022786.D
Acq On : 24 Jun 2025 10:25
Operator : SY/MD
Sample : VY0624SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0624SBL01

Quant Time: Jun 25 01:20:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 2025
Response via : Initial Calibration



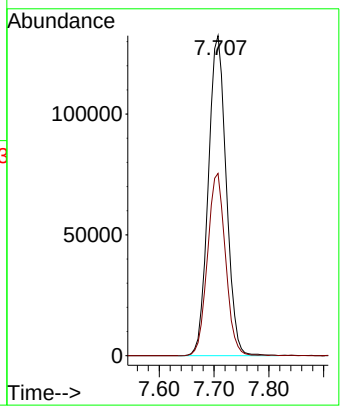


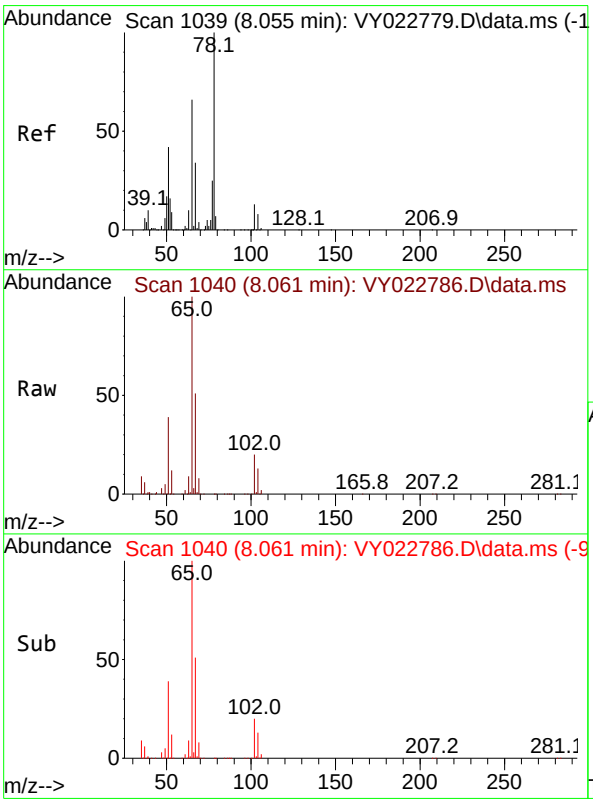
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022786.D
Acq: 24 Jun 2025 10:25

Instrument :
MSVOA_Y
ClientSampleId :
VY0624SBL01

Tgt Ion:168 Resp: 300507

Ion	Ratio	Lower	Upper
168	100		
99	56.9	44.3	66.5

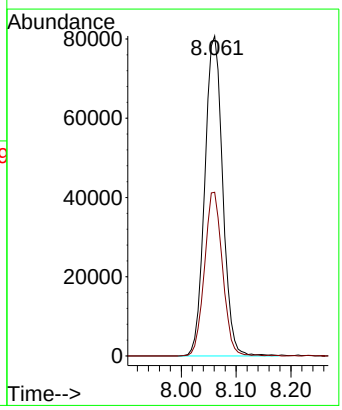


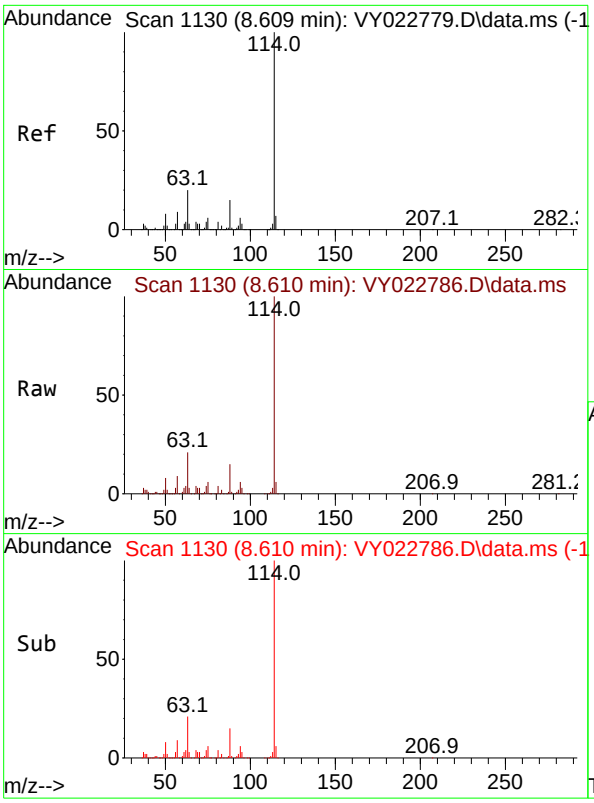


#33
1,2-Dichloroethane-d4
Concen: 54.505 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022786.D
Acq: 24 Jun 2025 10:25

Tgt Ion: 65 Resp: 182809

Ion	Ratio	Lower	Upper
65	100		
67	51.5	0.0	103.4



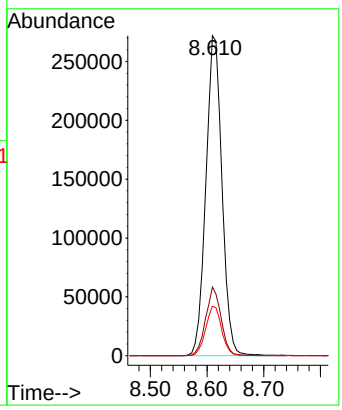


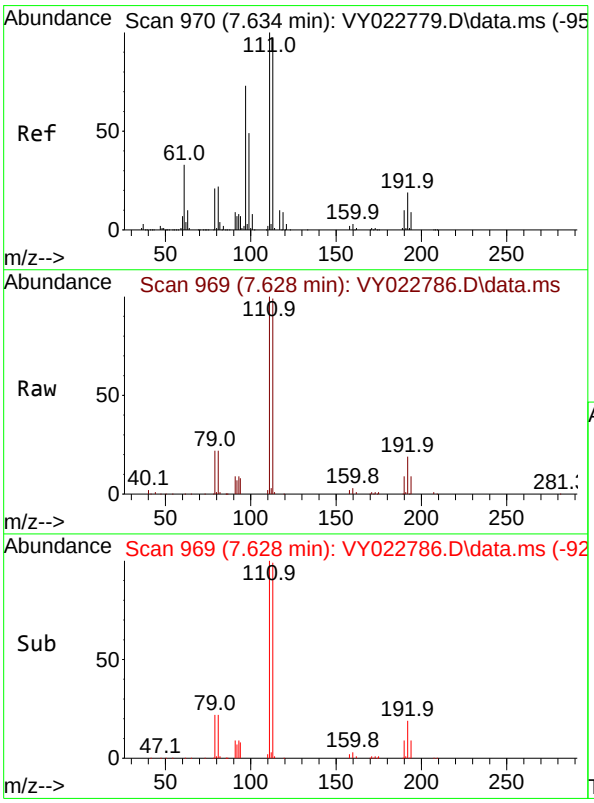
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.610 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022786.D
Acq: 24 Jun 2025 10:25

Instrument :
MSVOA_Y
ClientSampleId :
VY0624SBL01

Tgt Ion:114 Resp: 535641

Ion	Ratio	Lower	Upper
114	100		
63	21.5	0.0	40.8
88	15.4	0.0	27.8

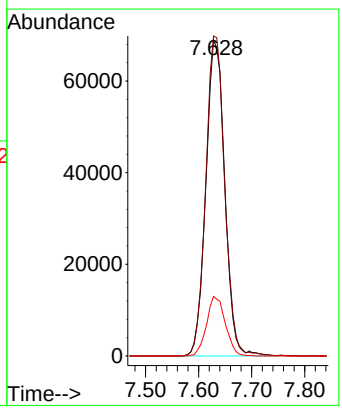


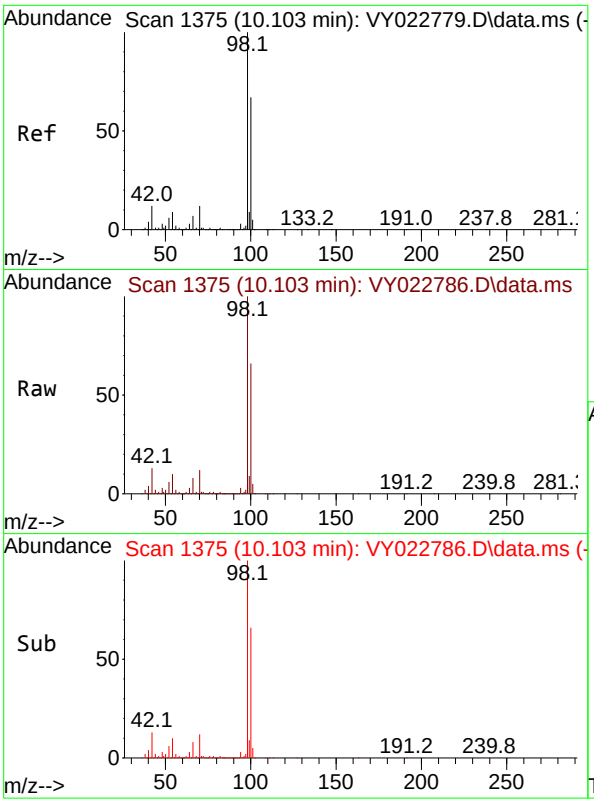


#35
Dibromofluoromethane
Concen: 52.369 ug/l
RT: 7.628 min Scan# 969
Delta R.T. -0.012 min
Lab File: VY022786.D
Acq: 24 Jun 2025 10:25

Tgt Ion:113 Resp: 170594

Ion	Ratio	Lower	Upper
113	100		
111	101.5	81.1	121.7
192	18.7	14.2	21.2



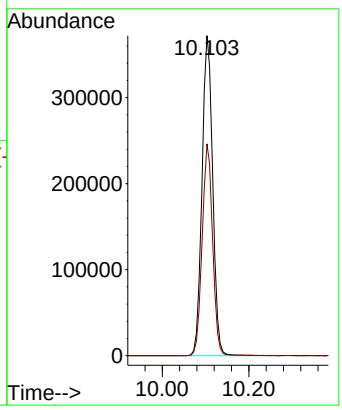


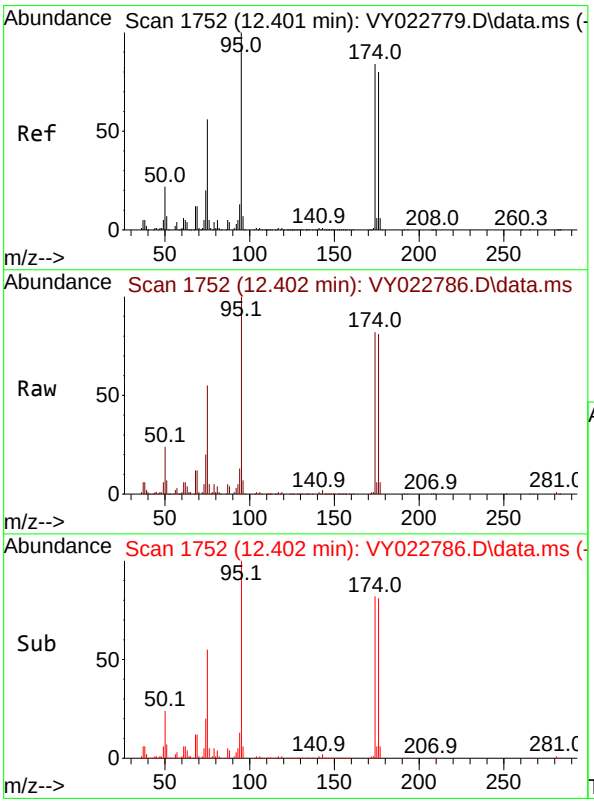
#50
Toluene-d8
Concen: 49.179 ug/l
RT: 10.103 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022786.D
Acq: 24 Jun 2025 10:25

Instrument :
MSVOA_Y
ClientSampleId :
VY0624SBL01

Tgt Ion: 98 Resp: 635701

Ion	Ratio	Lower	Upper
98	100		
100	64.8	51.4	77.0

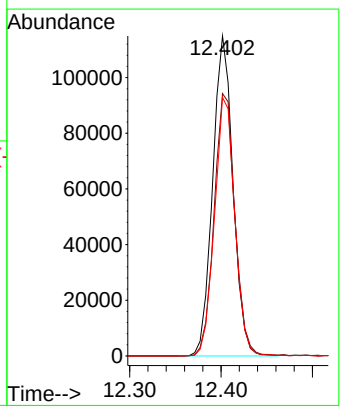


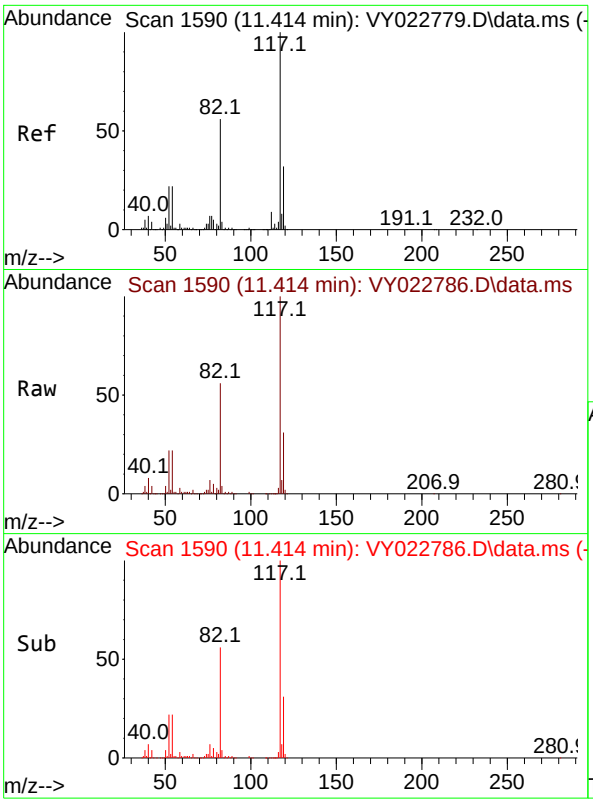


#62
4-Bromofluorobenzene
Concen: 42.813 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022786.D
Acq: 24 Jun 2025 10:25

Tgt Ion: 95 Resp: 177906

Ion	Ratio	Lower	Upper
95	100		
174	83.6	0.0	170.0
176	80.6	0.0	166.2



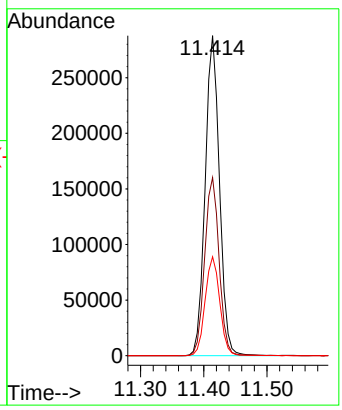


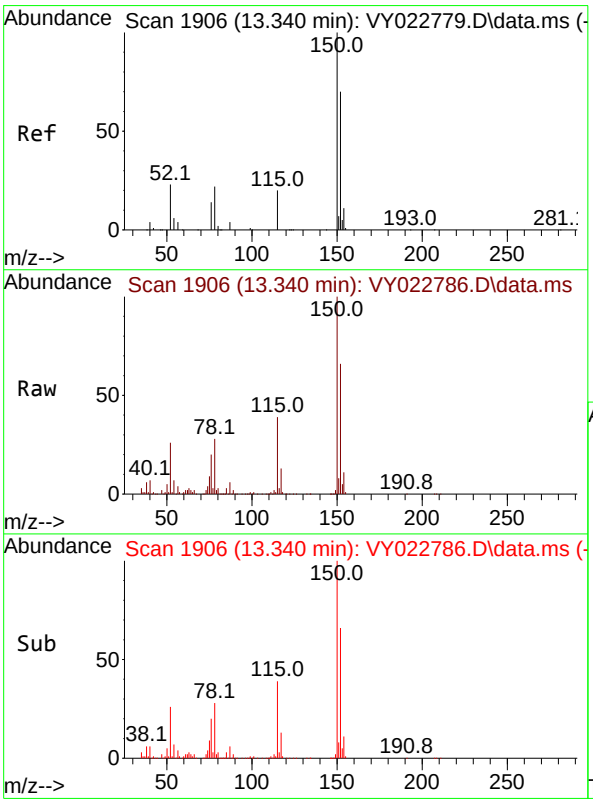
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022786.D
Acq: 24 Jun 2025 10:25

Instrument :
MSVOA_Y
ClientSampleId :
VY0624SBL01

Tgt Ion:117 Resp: 452693

Ion	Ratio	Lower	Upper
117	100		
82	55.6	44.6	66.8
119	30.9	25.4	38.0

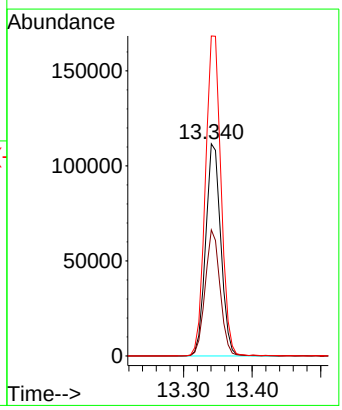




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.340 min Scan# 1906
Delta R.T. -0.006 min
Lab File: VY022786.D
Acq: 24 Jun 2025 10:25

Tgt Ion:152 Resp: 171409

Ion	Ratio	Lower	Upper
152	100		
115	58.7	28.9	86.7
150	155.7	0.0	349.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062425\
Data File : VY022786.D
Acq On : 24 Jun 2025 10:25
Operator : SY/MD
Sample : VY0624SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0624SBL01

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Title : SW846 8260

Signal : TIC: VY022786.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.074	50	58	60	rBV5	10406	24062	1.41%	0.279%
2	4.610	463	474	481	rBV3	13772	39856	2.34%	0.462%
3	5.641	633	643	651	rBV5	12228	37602	2.21%	0.436%
4	7.628	959	969	975	rBV	232756	565797	33.23%	6.562%
5	7.707	975	982	996	rVB	396496	915491	53.77%	10.617%
6	8.061	1029	1040	1050	rBV2	234440	523664	30.75%	6.073%
7	8.610	1122	1130	1149	rBV	648287	1282735	75.33%	14.877%
8	10.103	1365	1375	1383	rBV	1000922	1702759	100.00%	19.748%
9	11.414	1582	1590	1603	rBV	899440	1441043	84.63%	16.713%
10	12.402	1744	1752	1762	rBV	612077	966073	56.74%	11.204%
11	13.340	1900	1906	1918	rVB	704619	1087428	63.86%	12.611%
12	13.883	1989	1995	2002	rBV3	21846	36006	2.11%	0.418%

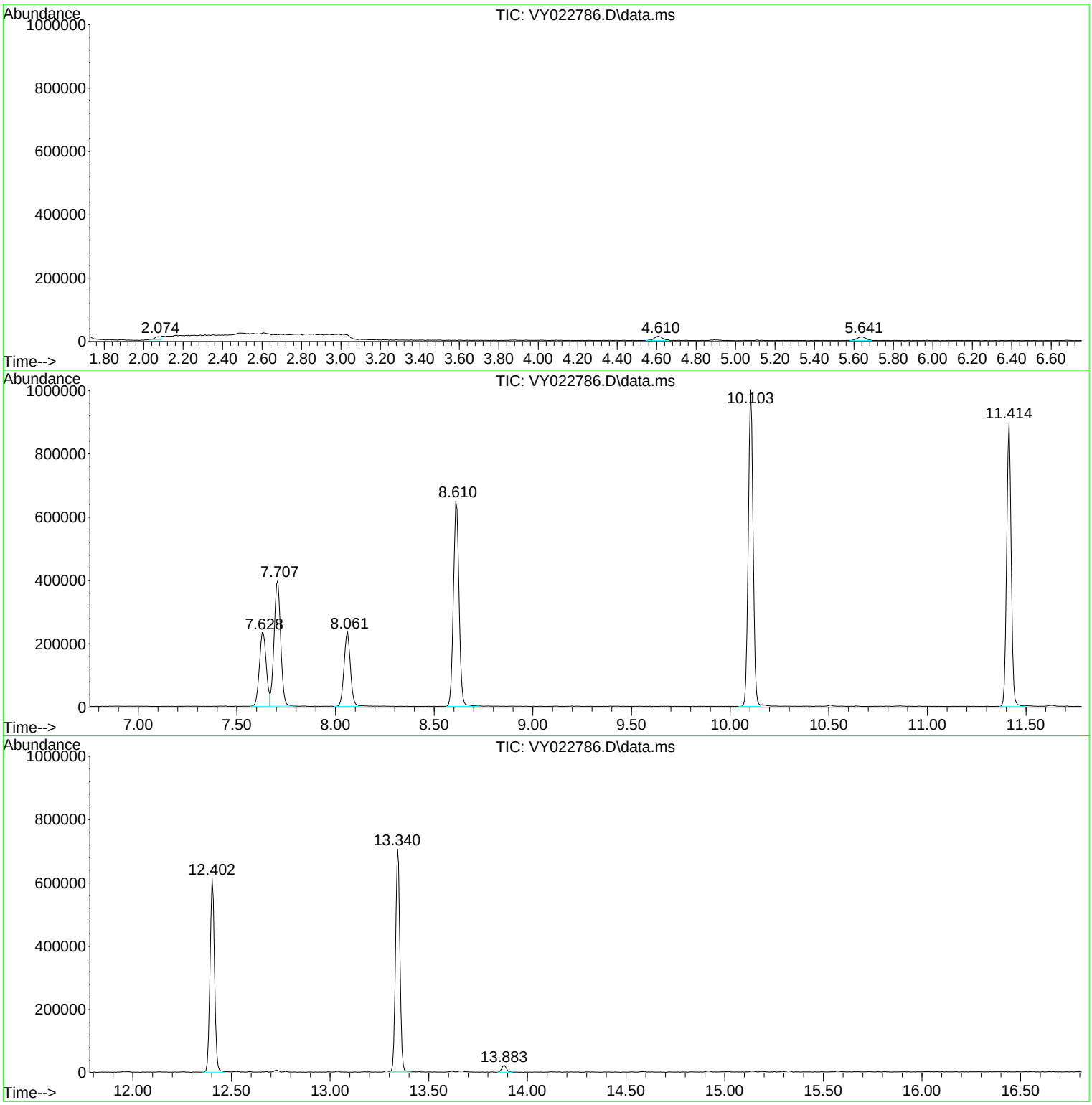
Sum of corrected areas: 8622516

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062425\
Data File : VY022786.D
Acq On : 24 Jun 2025 10:25
Operator : SY/MD
Sample : VY0624SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0624SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062425\
Data File : VY022786.D
Acq On : 24 Jun 2025 10:25
Operator : SY/MD
Sample : VY0624SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0624SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062425\
Data File : VY022786.D
Acq On : 24 Jun 2025 10:25
Operator : SY/MD
Sample : VY0624SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0624SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062425\
Data File : VY022787.D
Acq On : 24 Jun 2025 10:58
Operator : SY/MD
Sample : VY0624SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 25 01:21:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0624SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.701	168	456381	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.610	114	765818	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	658494	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	311846	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	258457	50.741	ug/l	-0.01
Spiked Amount 50.000	Range 50 - 163		Recovery = 101.480%			
35) Dibromofluoromethane	7.628	113	237954	51.092	ug/l	-0.01
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.180%			
50) Toluene-d8	10.103	98	937358	50.720	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 101.440%			
62) 4-Bromofluorobenzene	12.402	95	288353	48.536	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 97.080%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	80681	20.674	ug/l	98
3) Chloromethane	2.068	50	151870	20.380	ug/l	99
4) Vinyl Chloride	2.202	62	189178	20.320	ug/l	99
5) Bromomethane	2.586	94	156887	21.435	ug/l	97
6) Chloroethane	2.726	64	126812	20.264	ug/l	95
7) Trichlorofluoromethane	3.043	101	207987	20.176	ug/l	96
8) Diethyl Ether	3.452	74	51539	20.242	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.812	101	96792	20.546	ug/l	98
10) Methyl Iodide	4.001	142	89629	17.474	ug/l	100
11) Tert butyl alcohol	4.866	59	33635	99.308	ug/l	97
12) 1,1-Dichloroethene	3.781	96	92667	20.060	ug/l	95
13) Acrolein	3.647	56	47424	103.260	ug/l	95
14) Allyl chloride	4.379	41	146217	20.579	ug/l	93
15) Acrylonitrile	5.055	53	107474	101.169	ug/l	99
16) Acetone	3.873	43	99768	103.629	ug/l	99
17) Carbon Disulfide	4.104	76	305830	20.494	ug/l	98
18) Methyl Acetate	4.379	43	59655	18.711	ug/l	98
19) Methyl tert-butyl Ether	5.110	73	252967	20.111	ug/l	96
20) Methylene Chloride	4.610	84	110970	18.252	ug/l	96
21) trans-1,2-Dichloroethene	5.104	96	106564	20.184	ug/l	94
22) Diisopropyl ether	6.012	45	321027	20.345	ug/l	96
23) Vinyl Acetate	5.958	43	906576	104.027	ug/l	100
24) 1,1-Dichloroethane	5.909	63	195430	20.504	ug/l	99
25) 2-Butanone	6.890	43	143746	102.588	ug/l	99
26) 2,2-Dichloropropane	6.884	77	164624	20.605	ug/l	99
27) cis-1,2-Dichloroethene	6.884	96	122077	19.899	ug/l	98
28) Bromochloromethane	7.238	49	82032	20.472	ug/l	95
29) Tetrahydrofuran	7.256	42	89736	101.422	ug/l	98
30) Chloroform	7.415	83	194987	19.863	ug/l	97
31) Cyclohexane	7.701	56	175827	20.097	ug/l	93
32) 1,1,1-Trichloroethane	7.610	97	173928	20.502	ug/l	99
36) 1,1-Dichloropropene	7.835	75	143801	20.370	ug/l	100
37) Ethyl Acetate	6.982	43	63401	20.813	ug/l	98
38) Carbon Tetrachloride	7.817	117	148557	19.944	ug/l	96
39) Methylcyclohexane	9.103	83	183335	20.068	ug/l	97
40) Benzene	8.079	78	436818	20.126	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062425\
Data File : VY022787.D
Acq On : 24 Jun 2025 10:58
Operator : SY/MD
Sample : VY0624SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 25 01:21:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0624SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.220	41	34505	18.399	ug/l		95
42) 1,2-Dichloroethane	8.158	62	119482	20.089	ug/l		99
43) Isopropyl Acetate	8.195	43	126183	19.930	ug/l		99
44) Trichloroethene	8.859	130	108598	19.929	ug/l		96
45) 1,2-Dichloropropane	9.140	63	102981	20.273	ug/l		97
46) Dibromomethane	9.225	93	57676	20.001	ug/l		95
47) Bromodichloromethane	9.420	83	152012	20.443	ug/l		97
48) Methyl methacrylate	9.219	41	59051	19.401	ug/l		93
49) 1,4-Dioxane	9.225	88	13754	403.709	ug/l		99
51) 4-Methyl-2-Pentanone	9.993	43	326652	101.528	ug/l		97
52) Toluene	10.164	92	270533	19.757	ug/l		98
53) t-1,3-Dichloropropene	10.390	75	131291	19.624	ug/l		97
54) cis-1,3-Dichloropropene	9.853	75	156954	20.233	ug/l		95
55) 1,1,2-Trichloroethane	10.566	97	75639	20.257	ug/l		98
56) Ethyl methacrylate	10.438	69	96651	19.239	ug/l		97
57) 1,3-Dichloropropane	10.713	76	130811	20.079	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.707	63	237217	99.871	ug/l		98
59) 2-Hexanone	10.755	43	215777	98.645	ug/l		98
60) Dibromochloromethane	10.908	129	94732	19.641	ug/l		100
61) 1,2-Dibromoethane	11.012	107	69777	19.969	ug/l		97
64) Tetrachloroethene	10.646	164	115603	18.583	ug/l		96
65) Chlorobenzene	11.438	112	285635	19.741	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.511	131	94942	19.373	ug/l		99
67) Ethyl Benzene	11.518	91	494938	19.469	ug/l		97
68) m/p-Xylenes	11.627	106	383028	38.976	ug/l		100
69) o-Xylene	11.950	106	176241	19.033	ug/l		96
70) Styrene	11.963	104	296321	19.104	ug/l		100
71) Bromoform	12.127	173	51385	18.830	ug/l	#	98
73) Isopropylbenzene	12.249	105	464061	20.121	ug/l		100
74) N-amyl acetate	12.066	43	105914	20.459	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.499	83	81128	21.826	ug/l		98
76) 1,2,3-Trichloropropane	12.554	75	64712m	20.326	ug/l		
77) Bromobenzene	12.523	156	103685	19.834	ug/l		100
78) n-propylbenzene	12.591	91	564023	20.256	ug/l		99
79) 2-Chlorotoluene	12.676	91	314954	20.020	ug/l		100
80) 1,3,5-Trimethylbenzene	12.731	105	370288	19.889	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.298	75	25639	20.346	ug/l		98
82) 4-Chlorotoluene	12.773	91	326505	19.758	ug/l		99
83) tert-Butylbenzene	12.993	119	327400	19.940	ug/l		99
84) 1,2,4-Trimethylbenzene	13.036	105	368212	19.754	ug/l		99
85) sec-Butylbenzene	13.170	105	491676	19.902	ug/l		99
86) p-Isopropyltoluene	13.285	119	405641	19.731	ug/l		100
87) 1,3-Dichlorobenzene	13.285	146	206895	19.706	ug/l		98
88) 1,4-Dichlorobenzene	13.365	146	203188	19.483	ug/l		99
89) n-Butylbenzene	13.615	91	378895	19.593	ug/l		99
90) Hexachloroethane	13.871	117	83492	20.390	ug/l		96
91) 1,2-Dichlorobenzene	13.651	146	179542	19.405	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.267	75	12253	19.439	ug/l		95
93) 1,2,4-Trichlorobenzene	14.913	180	99715	19.088	ug/l		99
94) Hexachlorobutadiene	15.017	225	56915	19.267	ug/l		98
95) Naphthalene	15.139	128	173849	18.403	ug/l		100
96) 1,2,3-Trichlorobenzene	15.322	180	85697	18.985	ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062425\
Data File : VY022787.D
Acq On : 24 Jun 2025 10:58
Operator : SY/MD
Sample : VY0624SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 25 01:21:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0624SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

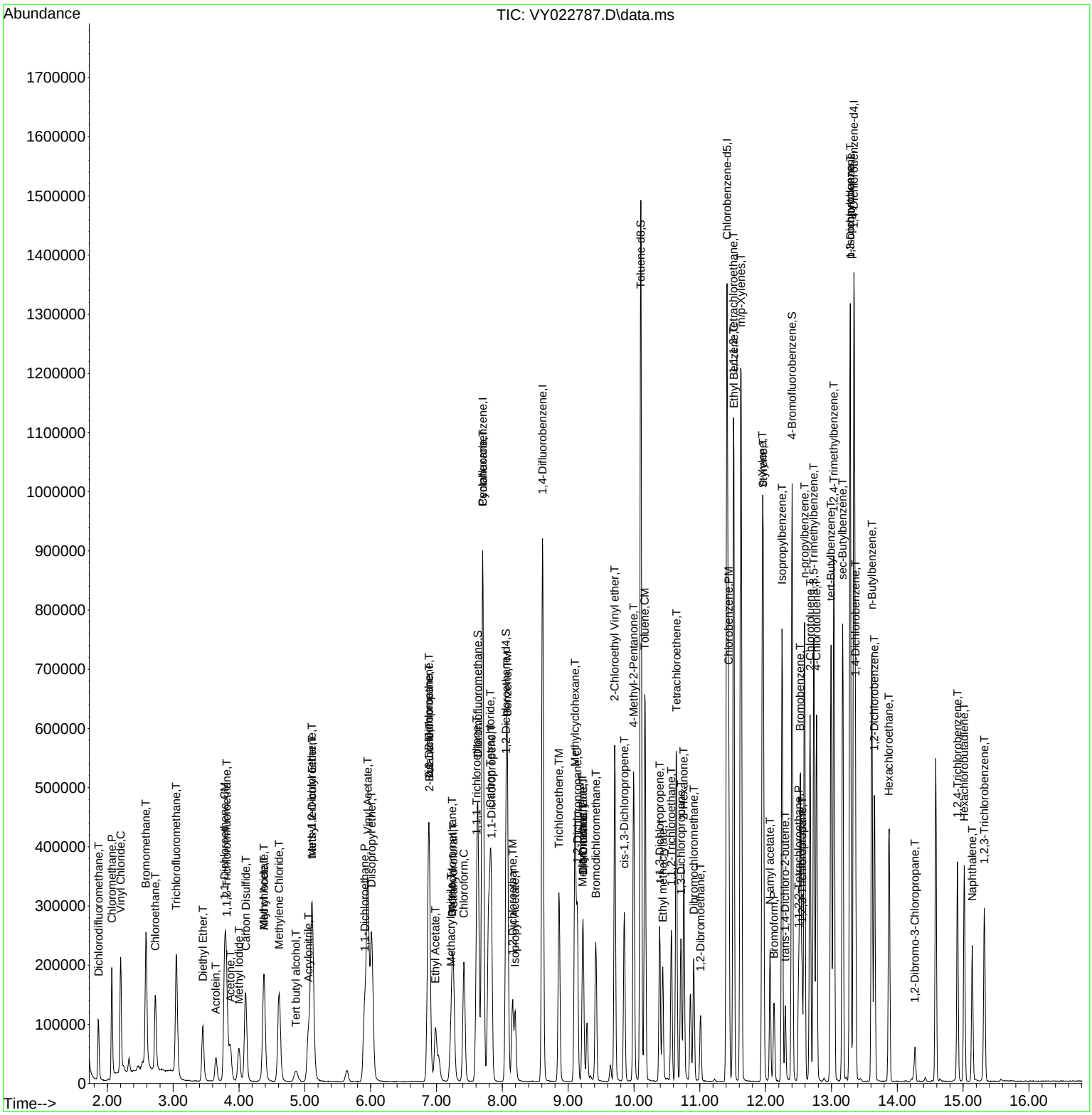
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062425\
Data File : VY022787.D
Acq On : 24 Jun 2025 10:58
Operator : SY/MD
Sample : VY0624SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 25 01:21:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0624SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062425\
Data File : VY022788.D
Acq On : 24 Jun 2025 11:21
Operator : SY/MD
Sample : VY0624SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 25 01:22:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0624SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	454676	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	751533	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	644021	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	303566	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	246467	48.568	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 97.140%			
35) Dibromofluoromethane	7.634	113	227031	49.674	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.340%			
50) Toluene-d8	10.103	98	915700	50.490	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.980%			
62) 4-Bromofluorobenzene	12.401	95	277996	47.682	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 95.360%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	83841	21.564	ug/l	100
3) Chloromethane	2.068	50	148016	19.937	ug/l	98
4) Vinyl Chloride	2.196	62	190974	20.590	ug/l	97
5) Bromomethane	2.586	94	149920	20.560	ug/l	100
6) Chloroethane	2.726	64	124997	20.048	ug/l	93
7) Trichlorofluoromethane	3.043	101	212732	20.713	ug/l	100
8) Diethyl Ether	3.446	74	49045	19.335	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.811	101	98481	20.983	ug/l	98
10) Methyl Iodide	4.000	142	94235	18.441	ug/l	100
11) Tert butyl alcohol	4.860	59	31222	92.529	ug/l #	73
12) 1,1-Dichloroethene	3.781	96	91858	19.960	ug/l	98
13) Acrolein	3.647	56	43455	94.972	ug/l	99
14) Allyl chloride	4.378	41	140797	19.890	ug/l	95
15) Acrylonitrile	5.049	53	101092	95.519	ug/l	99
16) Acetone	3.860	43	90320	94.167	ug/l	99
17) Carbon Disulfide	4.098	76	304896	20.508	ug/l	99
18) Methyl Acetate	4.378	43	55496	17.471	ug/l	98
19) Methyl tert-butyl Ether	5.104	73	239186	19.087	ug/l	98
20) Methylene Chloride	4.604	84	108504	17.913	ug/l	95
21) trans-1,2-Dichloroethene	5.110	96	104363	19.842	ug/l	96
22) Diisopropyl ether	6.018	45	314393	19.999	ug/l	97
23) Vinyl Acetate	5.957	43	854467	98.416	ug/l	99
24) 1,1-Dichloroethane	5.909	63	192393	20.261	ug/l	99
25) 2-Butanone	6.890	43	130645	93.588	ug/l	98
26) 2,2-Dichloropropane	6.878	77	160327	20.142	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	119261	19.513	ug/l	99
28) Bromochloromethane	7.238	49	80516	20.169	ug/l	94
29) Tetrahydrofuran	7.256	42	81271	92.199	ug/l	98
30) Chloroform	7.414	83	192735	19.707	ug/l	92
31) Cyclohexane	7.695	56	175872	20.177	ug/l	96
32) 1,1,1-Trichloroethane	7.616	97	172060	20.358	ug/l	99
36) 1,1-Dichloropropene	7.829	75	140846	20.331	ug/l	100
37) Ethyl Acetate	6.982	43	56563	18.921	ug/l	97
38) Carbon Tetrachloride	7.811	117	150312	20.563	ug/l	99
39) Methylcyclohexane	9.103	83	182366	20.342	ug/l	99
40) Benzene	8.079	78	429271	20.154	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062425\
Data File : VY022788.D
Acq On : 24 Jun 2025 11:21
Operator : SY/MD
Sample : VY0624SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 25 01:22:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0624SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.219	41	36099m	19.615	ug/l		
42) 1,2-Dichloroethane	8.152	62	118209	20.253	ug/l		99
43) Isopropyl Acetate	8.195	43	117125	18.851	ug/l		97
44) Trichloroethene	8.859	130	110197	20.606	ug/l		99
45) 1,2-Dichloropropane	9.140	63	99722	20.004	ug/l		97
46) Dibromomethane	9.225	93	54686	19.325	ug/l		96
47) Bromodichloromethane	9.420	83	145543	19.945	ug/l		100
48) Methyl methacrylate	9.219	41	57360	19.204	ug/l		95
49) 1,4-Dioxane	9.225	88	12854	384.463	ug/l		94
51) 4-Methyl-2-Pentanone	9.993	43	299993	95.014	ug/l		98
52) Toluene	10.170	92	268868	20.009	ug/l		99
53) t-1,3-Dichloropropene	10.390	75	126826	19.317	ug/l		100
54) cis-1,3-Dichloropropene	9.853	75	149508	19.639	ug/l		98
55) 1,1,2-Trichloroethane	10.566	97	72385	19.754	ug/l		99
56) Ethyl methacrylate	10.438	69	89037	18.060	ug/l		97
57) 1,3-Dichloropropane	10.713	76	125029	19.557	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.707	63	230138	98.911	ug/l		99
59) 2-Hexanone	10.755	43	194180	90.459	ug/l		97
60) Dibromochloromethane	10.908	129	92711	19.588	ug/l		97
61) 1,2-Dibromoethane	11.011	107	65644	19.144	ug/l		96
64) Tetrachloroethene	10.646	164	131649	21.638	ug/l		97
65) Chlorobenzene	11.438	112	284096	20.076	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.511	131	92635	19.327	ug/l		99
67) Ethyl Benzene	11.517	91	499591	20.093	ug/l		99
68) m/p-Xylenes	11.627	106	379372	39.471	ug/l		99
69) o-Xylene	11.950	106	174833	19.305	ug/l		98
70) Styrene	11.962	104	293422	19.343	ug/l		99
71) Bromoform	12.127	173	50804	19.036	ug/l	#	98
73) Isopropylbenzene	12.249	105	460433	20.509	ug/l		99
74) N-amyl acetate	12.066	43	99500	19.745	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.499	83	67748	18.724	ug/l		99
76) 1,2,3-Trichloropropane	12.554	75	61464m	19.833	ug/l		
77) Bromobenzene	12.523	156	102341	20.111	ug/l		99
78) n-propylbenzene	12.590	91	563511	20.789	ug/l		99
79) 2-Chlorotoluene	12.676	91	313424	20.466	ug/l		100
80) 1,3,5-Trimethylbenzene	12.731	105	370540	20.445	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.298	75	22608	18.430	ug/l		92
82) 4-Chlorotoluene	12.773	91	323940	20.138	ug/l		99
83) tert-Butylbenzene	12.993	119	325208	20.346	ug/l		99
84) 1,2,4-Trimethylbenzene	13.035	105	365641	20.151	ug/l		100
85) sec-Butylbenzene	13.169	105	494743	20.573	ug/l		99
86) p-Isopropyltoluene	13.285	119	404814	20.228	ug/l		100
87) 1,3-Dichlorobenzene	13.279	146	205201	20.078	ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	199889	19.689	ug/l		98
89) n-Butylbenzene	13.615	91	383849	20.391	ug/l		99
90) Hexachloroethane	13.871	117	85343	21.411	ug/l		98
91) 1,2-Dichlorobenzene	13.651	146	178210	19.787	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.267	75	11713	19.089	ug/l		97
93) 1,2,4-Trichlorobenzene	14.913	180	101486	19.957	ug/l		97
94) Hexachlorobutadiene	15.017	225	59456	20.676	ug/l		97
95) Naphthalene	15.139	128	172250	18.731	ug/l		99
96) 1,2,3-Trichlorobenzene	15.322	180	85584	19.477	ug/l		97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062425\
Data File : VY022788.D
Acq On : 24 Jun 2025 11:21
Operator : SY/MD
Sample : VY0624SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 25 01:22:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0624SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

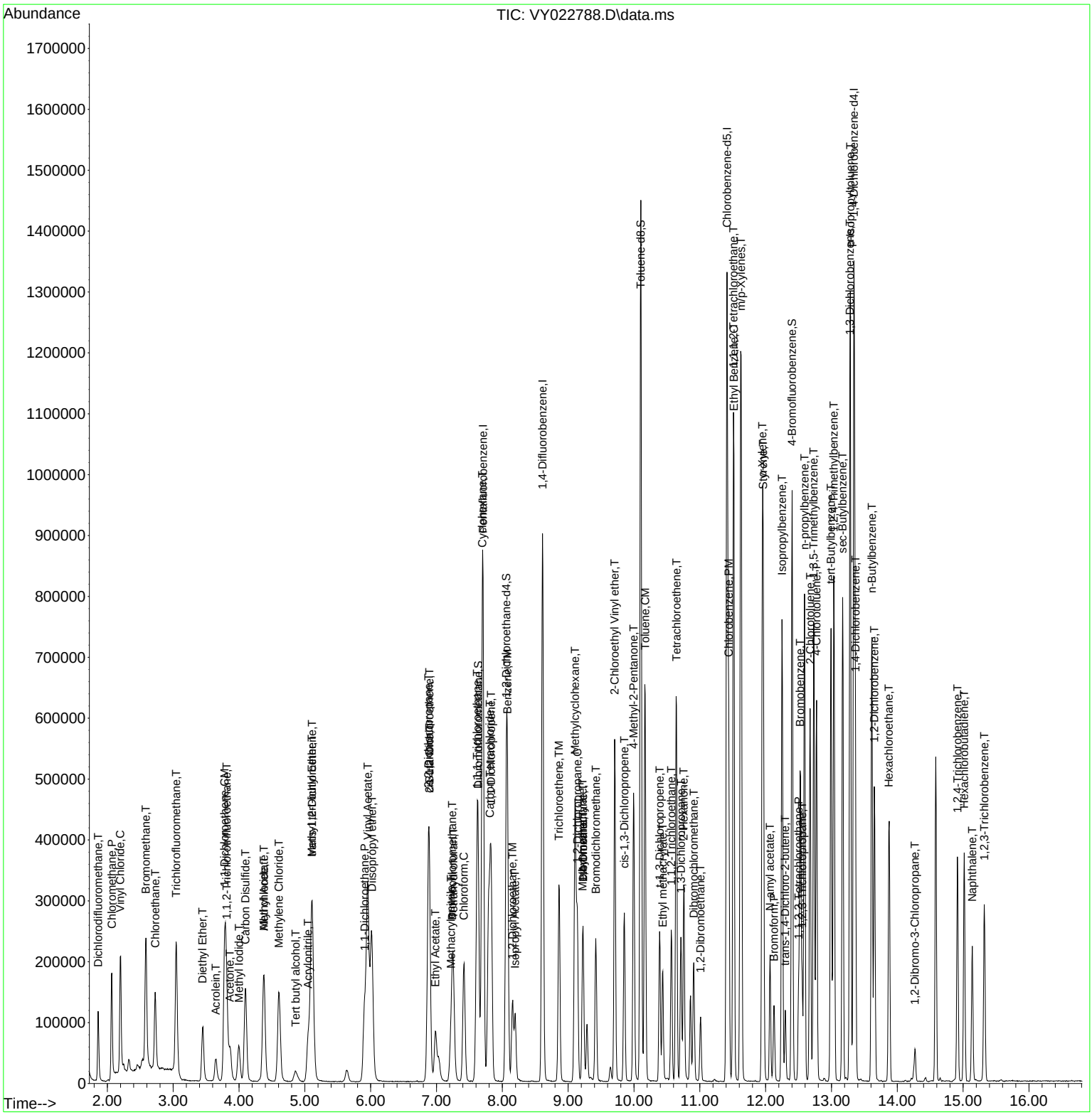
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062425\
Data File : VY022788.D
Acq On : 24 Jun 2025 11:21
Operator : SY/MD
Sample : VY0624SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 25 01:22:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0624SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



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

Manual Integration Report

Sequence:	VY062325	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC005	VY022776.D	1,2,3-Trichloropropane	MMDadoda	6/24/2025 8:24:02 AM	Sam	6/24/2025 8:27:42 AM	Peak Integrated by Software
VSTDICC005	VY022776.D	Methacrylonitrile	MMDadoda	6/24/2025 8:24:02 AM	Sam	6/24/2025 8:27:42 AM	Peak Integrated by Software
VSTDICC010	VY022777.D	1,2,3-Trichloropropane	MMDadoda	6/24/2025 8:23:58 AM	Sam	6/24/2025 8:27:46 AM	Peak Integrated by Software
VSTDICC010	VY022777.D	Methacrylonitrile	MMDadoda	6/24/2025 8:23:58 AM	Sam	6/24/2025 8:27:46 AM	Peak Integrated by Software
VSTDICC020	VY022778.D	1,2,3-Trichloropropane	MMDadoda	6/24/2025 8:24:01 AM	Sam	6/24/2025 8:27:48 AM	Peak Integrated by Software
VSTDICC020	VY022778.D	Methacrylonitrile	MMDadoda	6/24/2025 8:24:01 AM	Sam	6/24/2025 8:27:48 AM	Peak Integrated by Software
VSTDICCC050	VY022779.D	1,2,3-Trichloropropane	MMDadoda	6/24/2025 8:24:00 AM	Sam	6/24/2025 8:27:51 AM	Peak Integrated by Software
VSTDICC100	VY022780.D	1,2,3-Trichloropropane	MMDadoda	6/24/2025 8:23:59 AM	Sam	6/24/2025 8:27:52 AM	Peak Integrated by Software
VSTDICC150	VY022781.D	1,2,3-Trichloropropane	MMDadoda	6/24/2025 8:24:03 AM	Sam	6/24/2025 8:27:53 AM	Peak Integrated by Software
VSTDICV050	VY022783.D	1,2,3-Trichloropropane	MMDadoda	6/24/2025 8:24:03 AM	Sam	6/24/2025 8:27:54 AM	Peak Integrated by Software
VSTDICV050	VY022783.D	Methacrylonitrile	MMDadoda	6/24/2025 8:24:03 AM	Sam	6/24/2025 8:27:54 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	vy062425	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VY022785.D	1,2,3-Trichloropropane	MMDadoda	6/25/2025 12:32:01 PM	Sam	6/25/2025 12:35:13 PM	Peak Integrated by Software
VY0624SBS01	VY022787.D	1,2,3-Trichloropropane	MMDadoda	6/25/2025 12:32:02 PM	Sam	6/25/2025 12:35:15 PM	Peak Integrated by Software
VY0624SBSD01	VY022788.D	1,2,3-Trichloropropane	MMDadoda	6/25/2025 12:32:04 PM	Sam	6/25/2025 12:35:14 PM	Peak Integrated by Software
VY0624SBSD01	VY022788.D	Methacrylonitrile	MMDadoda	6/25/2025 12:32:04 PM	Sam	6/25/2025 12:35:14 PM	Peak Integrated by Software
VSTDCCC050	VY022809.D	1,2,3-Trichloropropane	MMDadoda	6/25/2025 12:32:08 PM	Sam	6/25/2025 12:35:09 PM	Peak Integrated by Software

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Fax : 908 789 8922

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY062325

Review By	Mahesh Dadoda	Review On	6/24/2025 8:24:26 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	6/24/2025 8:29:32 AM		
SubDirectory	VY062325	HP Acquire Method	MSVOA_Y	HP Processing Method	82y062325s.m

STD. NAME	STD REF.#
Tune/Reschk	VP134461
Initial Calibration Stds	VP134462,VP134463,VP134464,VP134465,VP134466,VP134467
CCC	
Internal Standard/PEM	VP133934
ICV/I.BLK	VP134468
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY022775.D	23 Jun 2025 10:17	SY/MD	Ok
2	VSTDICC005	VY022776.D	23 Jun 2025 13:38	SY/MD	Ok,M
3	VSTDICC010	VY022777.D	23 Jun 2025 14:00	SY/MD	Ok,M
4	VSTDICC020	VY022778.D	23 Jun 2025 14:23	SY/MD	Ok,M
5	VSTDICCC050	VY022779.D	23 Jun 2025 14:46	SY/MD	Ok,M
6	VSTDICC100	VY022780.D	23 Jun 2025 15:08	SY/MD	Ok,M
7	VSTDICC150	VY022781.D	23 Jun 2025 15:31	SY/MD	Ok,M
8	VIBLK	VY022782.D	23 Jun 2025 15:54	SY/MD	Ok
9	VSTDICV050	VY022783.D	23 Jun 2025 16:17	SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY062425

Review By	Mahesh Dadoda	Review On	6/25/2025 12:32:22 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	6/25/2025 12:35:55 PM		
SubDirectory	VY062425	HP Acquire Method	MSVOA_Y	HP Processing Method	82y062325s.m

STD. NAME	STD REF.#
Tune/Reschk	VP134483
Initial Calibration Stds	
CCC	VP134483,VP134485
Internal Standard/PEM	VP133934
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY022784.D	24 Jun 2025 08:49	SY/MD	Ok
2	VSTDCCC050	VY022785.D	24 Jun 2025 09:20	SY/MD	Ok,M
3	VY0624SBL01	VY022786.D	24 Jun 2025 10:25	SY/MD	Ok
4	VY0624SBS01	VY022787.D	24 Jun 2025 10:58	SY/MD	Ok,M
5	VY0624SBSD01	VY022788.D	24 Jun 2025 11:21	SY/MD	Ok,M
6	Q2386-01	VY022789.D	24 Jun 2025 11:58	SY/MD	ReRun
7	Q2383-01RE	VY022790.D	24 Jun 2025 12:22	SY/MD	Not Ok
8	Q2384-01RE	VY022791.D	24 Jun 2025 12:45	SY/MD	Confirms
9	Q2355-03	VY022792.D	24 Jun 2025 13:09	SY/MD	Not Ok
10	Q2363-01	VY022793.D	24 Jun 2025 13:32	SY/MD	Dilution
11	Q2392-02	VY022794.D	24 Jun 2025 13:55	SY/MD	Ok
12	Q2393-02	VY022795.D	24 Jun 2025 14:19	SY/MD	Ok
13	Q2393-04	VY022796.D	24 Jun 2025 14:42	SY/MD	Ok
14	Q2393-06	VY022797.D	24 Jun 2025 15:06	SY/MD	Ok
15	Q2393-08	VY022798.D	24 Jun 2025 15:29	SY/MD	Ok
16	Q2393-10	VY022799.D	24 Jun 2025 15:52	SY/MD	Ok
17	Q2393-12	VY022800.D	24 Jun 2025 16:16	SY/MD	Ok
18	Q2394-03	VY022801.D	24 Jun 2025 16:39	SY/MD	Ok
19	Q2399-03	VY022802.D	24 Jun 2025 17:03	SY/MD	Ok
20	Q2399-07	VY022803.D	24 Jun 2025 17:26	SY/MD	Ok
21	Q2403-03	VY022804.D	24 Jun 2025 17:50	SY/MD	ReRun

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY062425

Review By	Mahesh Dadoda	Review On	6/25/2025 12:32:22 PM				
Supervise By	Semsettin Yesilyurt	Supervise On	6/25/2025 12:35:55 PM				
SubDirectory	VY062425	HP Acquire Method	MSVOA_Y	HP Processing Method	82y062325s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP134483
Initial Calibration Stds	
CCC	VP134483,VP134485
Internal Standard/PEM	VP133934
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q2403-07	VY022805.D	24 Jun 2025 18:13	SY/MD	Ok
23	Q2398-03	VY022806.D	24 Jun 2025 18:36	SY/MD	Ok
24	Q2398-06	VY022807.D	24 Jun 2025 19:00	SY/MD	Not Ok
25	VIBLK	VY022808.D	24 Jun 2025 19:23	SY/MD	Ok
26	VSTDCCC050	VY022809.D	24 Jun 2025 20:09	SY/MD	Ok,M

M : Manual Integration

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Fax : 908 789 8922

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY062325

Review By	Mahesh Dadoda	Review On	6/24/2025 8:24:26 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	6/24/2025 8:29:32 AM		
SubDirectory	VY062325	HP Acquire Method	MSVOA_Y	HP Processing Method	82y062325s.m

STD. NAME	STD REF.#
Tune/Reschk	VP134461
Initial Calibration Stds	VP134462,VP134463,VP134464,VP134465,VP134466,VP134467
CCC	
Internal Standard/PEM	VP133934
ICV/I.BLK	VP134468
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY022775.D	23 Jun 2025 10:17		SY/MD	Ok
2	VSTDICC005	VSTDICC005	VY022776.D	23 Jun 2025 13:38	LR- 58	SY/MD	Ok,M
3	VSTDICC010	VSTDICC010	VY022777.D	23 Jun 2025 14:00		SY/MD	Ok,M
4	VSTDICC020	VSTDICC020	VY022778.D	23 Jun 2025 14:23		SY/MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VY022779.D	23 Jun 2025 14:46		SY/MD	Ok,M
6	VSTDICC100	VSTDICC100	VY022780.D	23 Jun 2025 15:08		SY/MD	Ok,M
7	VSTDICC150	VSTDICC150	VY022781.D	23 Jun 2025 15:31		SY/MD	Ok,M
8	VIBLK	VIBLK	VY022782.D	23 Jun 2025 15:54		SY/MD	Ok
9	VSTDICV050	ICVVY062325	VY022783.D	23 Jun 2025 16:17		SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY062425

Review By	Mahesh Dadoda	Review On	6/25/2025 12:32:22 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	6/25/2025 12:35:55 PM		
SubDirectory	VY062425	HP Acquire Method	MSVOA_Y	HP Processing Method	82y062325s.m

STD. NAME	STD REF.#
Tune/Reschk	VP134483
Initial Calibration Stds	
CCC	VP134483,VP134485
Internal Standard/PEM	VP133934
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY022784.D	24 Jun 2025 08:49		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY022785.D	24 Jun 2025 09:20		SY/MD	Ok,M
3	VY0624SBL01	VY0624SBL01	VY022786.D	24 Jun 2025 10:25		SY/MD	Ok
4	VY0624SBS01	VY0624SBS01	VY022787.D	24 Jun 2025 10:58		SY/MD	Ok,M
5	VY0624SBSD01	VY0624SBSD01	VY022788.D	24 Jun 2025 11:21		SY/MD	Ok,M
6	Q2386-01	SU-1-062025	VY022789.D	24 Jun 2025 11:58	vial-A Internal Standard Fail	SY/MD	ReRun
7	Q2383-01RE	RT-5376RE	VY022790.D	24 Jun 2025 12:22	vial-B Internal standard fail;Not match with first run	SY/MD	Not Ok
8	Q2384-01RE	OK-01-6202025RE	VY022791.D	24 Jun 2025 12:45	vial-B Internal Standard Fail	SY/MD	Confirms
9	Q2355-03	20071	VY022792.D	24 Jun 2025 13:09	vial-A not purge	SY/MD	Not Ok
10	Q2363-01	GCAP1	VY022793.D	24 Jun 2025 13:32	vial-A Surrogate fail ;Need MeOH	SY/MD	Dilution
11	Q2392-02	S-1A	VY022794.D	24 Jun 2025 13:55	vial-A	SY/MD	Ok
12	Q2393-02	PARK AVE -1	VY022795.D	24 Jun 2025 14:19	vial-A	SY/MD	Ok
13	Q2393-04	PARK AVE -2	VY022796.D	24 Jun 2025 14:42	vial-A	SY/MD	Ok
14	Q2393-06	PARK AVE -3	VY022797.D	24 Jun 2025 15:06	vial-A	SY/MD	Ok
15	Q2393-08	PARK AVE -4	VY022798.D	24 Jun 2025 15:29	vial-A	SY/MD	Ok
16	Q2393-10	PARK AVE -5	VY022799.D	24 Jun 2025 15:52	vial-A	SY/MD	Ok
17	Q2393-12	PARK AVE -6	VY022800.D	24 Jun 2025 16:16	vial-A	SY/MD	Ok

Alliance TECHNICAL GROUP
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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY062425

Review By	Mahesh Dadoda	Review On	6/25/2025 12:32:22 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	6/25/2025 12:35:55 PM		
SubDirectory	VY062425	HP Acquire Method	MSVOA_Y	HP Processing Method	82y062325s.m

STD. NAME	STD REF.#
Tune/Reschk	VP134483
Initial Calibration Stds	
CCC	VP134483,VP134485
Internal Standard/PEM	VP133934
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	Q2394-03	MH-K/L VOC	VY022801.D	24 Jun 2025 16:39	vial-A	SY/MD	Ok
19	Q2399-03	TP-13-VOC	VY022802.D	24 Jun 2025 17:03	vial-A	SY/MD	Ok
20	Q2399-07	EP-7-VOC	VY022803.D	24 Jun 2025 17:26	vial-A	SY/MD	Ok
21	Q2403-03	LAW-25-0093	VY022804.D	24 Jun 2025 17:50	vial-A Internal Standard Fail	SY/MD	ReRun
22	Q2403-07	ARS 20-0006	VY022805.D	24 Jun 2025 18:13	vial-A	SY/MD	Ok
23	Q2398-03	M00-25-0179	VY022806.D	24 Jun 2025 18:36	vial-A	SY/MD	Ok
24	Q2398-06	ARS20-0036	VY022807.D	24 Jun 2025 19:00	vial-A Not purge	SY/MD	Not Ok
25	VIBLK	VIBLK	VY022808.D	24 Jun 2025 19:23		SY/MD	Ok
26	VSTDCCC050	VSTDCCC050EC	VY022809.D	24 Jun 2025 20:09		SY/MD	Ok,M

M : Manual Integration

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LAB CHRONICLE

OrderID:	Q2393	**OrderDate:**	6/23/2025 11:43:58 AM
Client:	Union Paving & Construction Company	**Project:**	190 Park Ave Hanover Twp NJ - PO 3556-001
Contact:	Gerard Busacco	**Location:**	A22,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2393-02	**PARK AVE -1**	**SOIL**			**06/23/25**			**06/23/25**
			VOC-TCLVOA-10	8260D			06/24/25	
Q2393-04	**PARK AVE -2**	**SOIL**			**06/23/25**			**06/23/25**
			VOC-TCLVOA-10	8260D			06/24/25	
Q2393-06	**PARK AVE -3**	**SOIL**			**06/23/25**			**06/23/25**
			VOC-TCLVOA-10	8260D			06/24/25	
Q2393-08	**PARK AVE -4**	**SOIL**			**06/23/25**			**06/23/25**
			VOC-TCLVOA-10	8260D			06/24/25	
Q2393-10	**PARK AVE -5**	**SOIL**			**06/23/25**			**06/23/25**
			VOC-TCLVOA-10	8260D			06/24/25	
Q2393-12	**PARK AVE -6**	**SOIL**			**06/23/25**			**06/23/25**
			VOC-TCLVOA-10	8260D			06/24/25	

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Hit Summary Sheet
SW-846

SDG No.: Q2393

Client: Union Paving & Construction Company

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Client ID :	**PARK AVE -1**								
Q2393-01	PARK AVE -1	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	260.000	AB	0	0	ug/Kg
Q2393-01	PARK AVE -1	SOIL	Benzophenone	*	200.000	J	0	0	ug/Kg
Q2393-01	PARK AVE -1	SOIL	Eicosane	*	170.000	J	0	0	ug/Kg
Q2393-01	PARK AVE -1	SOIL	Heneicosane	*	140.000	J	0	0	ug/Kg
Q2393-01	PARK AVE -1	SOIL	Hentriacontane	*	130.000	J	0	0	ug/Kg
Q2393-01	PARK AVE -1	SOIL	Hexacosane	*	100.000	J	0	0	ug/Kg
Q2393-01	PARK AVE -1	SOIL	n-Hexadecanoic acid	*	860.000	J	0	0	ug/Kg
Q2393-01	PARK AVE -1	SOIL	Octacosane	*	170.000	J	0	0	ug/Kg
Q2393-01	PARK AVE -1	SOIL	Octadecanoic acid	*	340.000	J	0	0	ug/Kg
Q2393-01	PARK AVE -1	SOIL	Pentafluoropropionic acid, pentad	*	190.000	J	0	0	ug/Kg
Q2393-01	PARK AVE -1	SOIL	Triacontane	*	150.000	J	0	0	ug/Kg
			Total Tics :		**2,710.00**				
			Total Concentration:		**2,710.00**				
Client ID :	**PARK AVE -2**								
Q2393-03	PARK AVE -2	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	270.000	AB	0	0	ug/Kg
Q2393-03	PARK AVE -2	SOIL	Benzophenone	*	170.000	J	0	0	ug/Kg
Q2393-03	PARK AVE -2	SOIL	Heptadecyl heptafluorobutyrate	*	170.000	J	0	0	ug/Kg
Q2393-03	PARK AVE -2	SOIL	n-Hexadecanoic acid	*	340.000	J	0	0	ug/Kg
			Total Tics :		**950.00**				
			Total Concentration:		**950.00**				
Client ID :	**PARK AVE -3**								
Q2393-05	PARK AVE -3	SOIL	Fluoranthene		150.000	J	34.6	200	ug/Kg
Q2393-05	PARK AVE -3	SOIL	Pyrene		86.600	J	41.5	200	ug/Kg
Q2393-05	PARK AVE -3	SOIL	Benzo(b)fluoranthene		88.800	J	21.9	200	ug/Kg
			Total Svoc :		**325.40**				
Q2393-05	PARK AVE -3	SOIL	1-Octadecene	*	180.000	J	0	0	ug/Kg
Q2393-05	PARK AVE -3	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	210.000	AB	0	0	ug/Kg
Q2393-05	PARK AVE -3	SOIL	n-Hexadecanoic acid	*	220.000	J	0	0	ug/Kg
Q2393-05	PARK AVE -3	SOIL	Benzophenone	*	160.000	J	0	0	ug/Kg
			Total Tics :		**770.00**				
			Total Concentration:		**1,095.40**				
Client ID :	**PARK AVE -4**								
Q2393-07	PARK AVE -4	SOIL	Phenanthrene		430.000		23.8	190	ug/Kg
Q2393-07	PARK AVE -4	SOIL	Anthracene		85.800	J	37.9	190	ug/Kg
Q2393-07	PARK AVE -4	SOIL	Fluoranthene		550.000		34.1	190	ug/Kg
Q2393-07	PARK AVE -4	SOIL	Pyrene		330.000		40.9	190	ug/Kg

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Fax : 908 789 8922

Hit Summary Sheet
SW-846

SDG No.: Q2393

Client: Union Paving & Construction Company

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Q2393-07	PARK AVE -4	SOIL	Benzo(a)anthracene		230.000		26.2	190	ug/Kg
Q2393-07	PARK AVE -4	SOIL	Chrysene		200.000		22.6	190	ug/Kg
Q2393-07	PARK AVE -4	SOIL	Benzo(b)fluoranthene		290.000		21.6	190	ug/Kg
Q2393-07	PARK AVE -4	SOIL	Benzo(k)fluoranthene		110.000	J	25.5	190	ug/Kg
Q2393-07	PARK AVE -4	SOIL	Benzo(a)pyrene		220.000		33.5	190	ug/Kg
Q2393-07	PARK AVE -4	SOIL	Indeno(1,2,3-cd)pyrene		93.500	J	33.1	190	ug/Kg
Q2393-07	PARK AVE -4	SOIL	Benzo(g,h,i)perylene		110.000	J	29.2	190	ug/Kg
			Total Svoc :		**2,649.30**				
Q2393-07	PARK AVE -4	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	250.000	AB	0	0	ug/Kg
Q2393-07	PARK AVE -4	SOIL	4H-Cyclopenta[def]phenanthrene	*	230.000	J	0	0	ug/Kg
Q2393-07	PARK AVE -4	SOIL	5-Eicosene, (E)-	*	170.000	J	0	0	ug/Kg
Q2393-07	PARK AVE -4	SOIL	Benzophenone	*	160.000	J	0	0	ug/Kg
Q2393-07	PARK AVE -4	SOIL	Phenanthrene, 2,5-dimethyl-	*	110.000	J	0	0	ug/Kg
Q2393-07	PARK AVE -4	SOIL	Phenanthrene, 2-methyl-	*	390.000	J	0	0	ug/Kg
Q2393-07	PARK AVE -4	SOIL	Pyrene, 1-methyl-	*	78.500	J	0	0	ug/Kg
			Total Tics :		**1,388.50**				
			Total Concentration:		**4,037.80**				
Client ID :	**PARK AVE -5**								
Q2393-09	PARK AVE -5	SOIL	Fluoranthene		160.000	J	32.8	190	ug/Kg
Q2393-09	PARK AVE -5	SOIL	Pyrene		110.000	J	39.4	190	ug/Kg
Q2393-09	PARK AVE -5	SOIL	Benzo(b)fluoranthene		92.100	J	20.8	190	ug/Kg
			Total Svoc :		**362.10**				
Q2393-09	PARK AVE -5	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	210.000	AB	0	0	ug/Kg
Q2393-09	PARK AVE -5	SOIL	Benzophenone	*	160.000	J	0	0	ug/Kg
Q2393-09	PARK AVE -5	SOIL	n-Hexadecanoic acid	*	240.000	J	0	0	ug/Kg
Q2393-09	PARK AVE -5	SOIL	Pentadecafluorooctanoic acid, hep	*	220.000	J	0	0	ug/Kg
			Total Tics :		**830.00**				
			Total Concentration:		**1,192.10**				
Client ID :	**PARK AVE -6**								
Q2393-11	PARK AVE -6	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	190.000	AB	0	0	ug/Kg
Q2393-11	PARK AVE -6	SOIL	Benzophenone	*	140.000	J	0	0	ug/Kg
Q2393-11	PARK AVE -6	SOIL	n-Hexadecanoic acid	*	130.000	J	0	0	ug/Kg
Q2393-11	PARK AVE -6	SOIL	Pentafluoropropionic acid, heptad	*	180.000	J	0	0	ug/Kg
			Total Tics :		**640.00**				
			Total Concentration:		**640.00**				

SAMPLE DATA

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

Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 3556-001	Date Received:	06/23/25
Client Sample ID:	PARK AVE -1	SDG No.:	Q2393
Lab Sample ID:	Q2393-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	83.3
Sample Wt/Vol:	30.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142840.D	1	06/24/25 13:00	06/25/25 16:32	PB168601

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	190	U	190	390	ug/Kg
108-95-2	Phenol	26.5	U	26.5	200	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	29.1	U	29.1	200	ug/Kg
95-57-8	2-Chlorophenol	29.2	U	29.2	200	ug/Kg
95-48-7	2-Methylphenol	35.8	U	35.8	200	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	44.9	U	44.9	200	ug/Kg
98-86-2	Acetophenone	35.3	U	35.3	200	ug/Kg
65794-96-9	3+4-Methylphenols	49.2	U	49.2	390	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	56.7	U	56.7	95.8	ug/Kg
67-72-1	Hexachloroethane	21.1	U	21.1	200	ug/Kg
98-95-3	Nitrobenzene	21.9	U	21.9	200	ug/Kg
78-59-1	Isophorone	39.3	U	39.3	200	ug/Kg
88-75-5	2-Nitrophenol	69.7	U	69.7	200	ug/Kg
105-67-9	2,4-Dimethylphenol	77.6	U	77.6	200	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	36.9	U	36.9	200	ug/Kg
120-83-2	2,4-Dichlorophenol	33.9	U	33.9	200	ug/Kg
91-20-3	Naphthalene	27.2	U	27.2	200	ug/Kg
106-47-8	4-Chloroaniline	42.4	U	42.4	200	ug/Kg
87-68-3	Hexachlorobutadiene	30.3	U	30.3	200	ug/Kg
105-60-2	Caprolactam	62.4	U	62.4	390	ug/Kg
59-50-7	4-Chloro-3-methylphenol	34.4	U	34.4	200	ug/Kg
91-57-6	2-Methylnaphthalene	30.6	U	30.6	200	ug/Kg
77-47-4	Hexachlorocyclopentadiene	140	U	140	390	ug/Kg
88-06-2	2,4,6-Trichlorophenol	23.7	U	23.7	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	34.8	U	34.8	200	ug/Kg
92-52-4	1,1-Biphenyl	26.1	U	26.1	200	ug/Kg
91-58-7	2-Chloronaphthalene	26.9	U	26.9	200	ug/Kg
88-74-4	2-Nitroaniline	57.6	U	57.6	200	ug/Kg
131-11-3	Dimethylphthalate	32.4	U	32.4	200	ug/Kg

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Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 3556-001	Date Received:	06/23/25
Client Sample ID:	PARK AVE -1	SDG No.:	Q2393
Lab Sample ID:	Q2393-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	83.3
Sample Wt/Vol:	30.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142840.D	1	06/24/25 13:00	06/25/25 16:32	PB168601

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	34.6	U	34.6	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	40.2	U	40.2	200	ug/Kg
99-09-2	3-Nitroaniline	55.1	U	55.1	200	ug/Kg
83-32-9	Acenaphthene	25.5	U	25.5	200	ug/Kg
51-28-5	2,4-Dinitrophenol	270	U	270	390	ug/Kg
100-02-7	4-Nitrophenol	130	U	130	390	ug/Kg
132-64-9	Dibenzofuran	27.2	U	27.2	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	60.0	U	60.0	200	ug/Kg
84-66-2	Diethylphthalate	33.9	U	33.9	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	32.0	U	32.0	200	ug/Kg
86-73-7	Fluorene	30.3	U	30.3	200	ug/Kg
100-01-6	4-Nitroaniline	76.8	U	76.8	200	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	U	120	390	ug/Kg
86-30-6	n-Nitrosodiphenylamine	39.4	U	39.4	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	33.3	U	33.3	200	ug/Kg
118-74-1	Hexachlorobenzene	30.3	U	30.3	200	ug/Kg
1912-24-9	Atrazine	40.7	U	40.7	200	ug/Kg
87-86-5	Pentachlorophenol	61.4	U	61.4	390	ug/Kg
85-01-8	Phenanthrene	25.0	U	25.0	200	ug/Kg
120-12-7	Anthracene	39.9	U	39.9	200	ug/Kg
86-74-8	Carbazole	37.3	U	37.3	200	ug/Kg
84-74-2	Di-n-butylphthalate	57.3	U	57.3	200	ug/Kg
206-44-0	Fluoranthene	35.9	U	35.9	200	ug/Kg
129-00-0	Pyrene	43.1	U	43.1	200	ug/Kg
85-68-7	Butylbenzylphthalate	85.5	UQ	85.5	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	43.9	UQ	43.9	390	ug/Kg
56-55-3	Benzo(a)anthracene	27.5	U	27.5	200	ug/Kg
218-01-9	Chrysene	23.8	U	23.8	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	70.9	U	70.9	200	ug/Kg
117-84-0	Di-n-octyl phthalate	100	U	100	390	ug/Kg
205-99-2	Benzo(b)fluoranthene	22.7	U	22.7	200	ug/Kg

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Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 3556-001	Date Received:	06/23/25
Client Sample ID:	PARK AVE -1	SDG No.:	Q2393
Lab Sample ID:	Q2393-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	83.3
Sample Wt/Vol:	30.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142840.D	1	06/24/25 13:00	06/25/25 16:32	PB168601

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	26.8	U	26.8	200	ug/Kg
50-32-8	Benzo(a)pyrene	35.3	U	35.3	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	34.8	U	34.8	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	32.8	U	32.8	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	30.8	U	30.8	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	30.6	U	30.6	200	ug/Kg
123-91-1	1,4-Dioxane	54.1	U	54.1	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	32.8	U	32.8	200	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	78.3		18 - 112	52%	SPK: 150
13127-88-3	Phenol-d6	84.3		15 - 107	56%	SPK: 150
4165-60-0	Nitrobenzene-d5	48.6		18 - 107	49%	SPK: 100
321-60-8	2-Fluorobiphenyl	46.6		20 - 109	47%	SPK: 100
118-79-6	2,4,6-Tribromophenol	73.9		10 - 116	49%	SPK: 150
1718-51-0	Terphenyl-d14	34.2		10 - 105	34%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	78700	6.875			
1146-65-2	Naphthalene-d8	300000	8.157			
15067-26-2	Acenaphthene-d10	153000	9.916			
1517-22-2	Phenanthrene-d10	208000	11.404			
1719-03-5	Chrysene-d12	153000	14.051			
1520-96-3	Perylene-d12	177000	15.545			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	260	AB		5.09	ug/Kg
000119-61-9	Benzophenone	200	J		10.6	ug/Kg
000057-10-3	n-Hexadecanoic acid	860	J		11.9	ug/Kg
000057-11-4	Octadecanoic acid	340	J		12.7	ug/Kg
000630-04-6	Hentriacontane	130	J		12.9	ug/Kg
000629-94-7	Heneicosane	140	J		13.6	ug/Kg
959092-08-1	Pentafluoropropionic acid, pentade	190	J		13.9	ug/Kg

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Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 3556-001	Date Received:	06/23/25
Client Sample ID:	PARK AVE -1	SDG No.:	Q2393
Lab Sample ID:	Q2393-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	83.3
Sample Wt/Vol:	30.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142840.D	1	06/24/25 13:00	06/25/25 16:32	PB168601

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
000630-02-4	Octacosane	170	J		14.2	ug/Kg
000112-95-8	Eicosane	170	J		14.7	ug/Kg
000638-68-6	Triacontane	150	J		15.2	ug/Kg
000630-01-3	Hexacosane	100	J		15.7	ug/Kg

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
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
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 3556-001	Date Received:	06/23/25
Client Sample ID:	PARK AVE -2	SDG No.:	Q2393
Lab Sample ID:	Q2393-03	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	83.5
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142841.D	1	06/24/25 13:00	06/25/25 17:02	PB168601

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	190	U	190	400	ug/Kg
108-95-2	Phenol	26.5	U	26.5	200	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	29.1	U	29.1	200	ug/Kg
95-57-8	2-Chlorophenol	29.2	U	29.2	200	ug/Kg
95-48-7	2-Methylphenol	35.8	U	35.8	200	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	44.9	U	44.9	200	ug/Kg
98-86-2	Acetophenone	35.3	U	35.3	200	ug/Kg
65794-96-9	3+4-Methylphenols	49.2	U	49.2	400	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	56.7	U	56.7	95.8	ug/Kg
67-72-1	Hexachloroethane	21.1	U	21.1	200	ug/Kg
98-95-3	Nitrobenzene	21.9	U	21.9	200	ug/Kg
78-59-1	Isophorone	39.3	U	39.3	200	ug/Kg
88-75-5	2-Nitrophenol	69.7	U	69.7	200	ug/Kg
105-67-9	2,4-Dimethylphenol	77.6	U	77.6	200	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	36.9	U	36.9	200	ug/Kg
120-83-2	2,4-Dichlorophenol	33.9	U	33.9	200	ug/Kg
91-20-3	Naphthalene	27.2	U	27.2	200	ug/Kg
106-47-8	4-Chloroaniline	42.4	U	42.4	200	ug/Kg
87-68-3	Hexachlorobutadiene	30.3	U	30.3	200	ug/Kg
105-60-2	Caprolactam	62.4	U	62.4	400	ug/Kg
59-50-7	4-Chloro-3-methylphenol	34.4	U	34.4	200	ug/Kg
91-57-6	2-Methylnaphthalene	30.6	U	30.6	200	ug/Kg
77-47-4	Hexachlorocyclopentadiene	140	U	140	400	ug/Kg
88-06-2	2,4,6-Trichlorophenol	23.7	U	23.7	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	34.8	U	34.8	200	ug/Kg
92-52-4	1,1-Biphenyl	26.1	U	26.1	200	ug/Kg
91-58-7	2-Chloronaphthalene	26.9	U	26.9	200	ug/Kg
88-74-4	2-Nitroaniline	57.6	U	57.6	200	ug/Kg
131-11-3	Dimethylphthalate	32.4	U	32.4	200	ug/Kg

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Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 3556-001	Date Received:	06/23/25
Client Sample ID:	PARK AVE -2	SDG No.:	Q2393
Lab Sample ID:	Q2393-03	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	83.5
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142841.D	1	06/24/25 13:00	06/25/25 17:02	PB168601

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	34.6	U	34.6	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	40.2	U	40.2	200	ug/Kg
99-09-2	3-Nitroaniline	55.1	U	55.1	200	ug/Kg
83-32-9	Acenaphthene	25.5	U	25.5	200	ug/Kg
51-28-5	2,4-Dinitrophenol	270	U	270	400	ug/Kg
100-02-7	4-Nitrophenol	130	U	130	400	ug/Kg
132-64-9	Dibenzofuran	27.2	U	27.2	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	60.0	U	60.0	200	ug/Kg
84-66-2	Diethylphthalate	33.9	U	33.9	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	32.0	U	32.0	200	ug/Kg
86-73-7	Fluorene	30.3	U	30.3	200	ug/Kg
100-01-6	4-Nitroaniline	76.9	U	76.9	200	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	U	120	400	ug/Kg
86-30-6	n-Nitrosodiphenylamine	39.4	U	39.4	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	33.3	U	33.3	200	ug/Kg
118-74-1	Hexachlorobenzene	30.3	U	30.3	200	ug/Kg
1912-24-9	Atrazine	40.7	U	40.7	200	ug/Kg
87-86-5	Pentachlorophenol	61.4	U	61.4	400	ug/Kg
85-01-8	Phenanthrene	25.0	U	25.0	200	ug/Kg
120-12-7	Anthracene	39.9	U	39.9	200	ug/Kg
86-74-8	Carbazole	37.4	U	37.4	200	ug/Kg
84-74-2	Di-n-butylphthalate	57.3	U	57.3	200	ug/Kg
206-44-0	Fluoranthene	35.9	U	35.9	200	ug/Kg
129-00-0	Pyrene	43.1	U	43.1	200	ug/Kg
85-68-7	Butylbenzylphthalate	85.5	UQ	85.5	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	43.9	UQ	43.9	400	ug/Kg
56-55-3	Benzo(a)anthracene	27.5	U	27.5	200	ug/Kg
218-01-9	Chrysene	23.8	U	23.8	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	70.9	U	70.9	200	ug/Kg
117-84-0	Di-n-octyl phthalate	100	U	100	400	ug/Kg
205-99-2	Benzo(b)fluoranthene	22.7	U	22.7	200	ug/Kg

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 3556-001	Date Received:	06/23/25
Client Sample ID:	PARK AVE -2	SDG No.:	Q2393
Lab Sample ID:	Q2393-03	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	83.5
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142841.D	1	06/24/25 13:00	06/25/25 17:02	PB168601

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	26.8	U	26.8	200	ug/Kg
50-32-8	Benzo(a)pyrene	35.3	U	35.3	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	34.8	U	34.8	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	32.8	U	32.8	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	30.8	U	30.8	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	30.6	U	30.6	200	ug/Kg
123-91-1	1,4-Dioxane	54.1	U	54.1	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	32.8	U	32.8	200	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	78.7		18 - 112	52%	SPK: 150
13127-88-3	Phenol-d6	86.0		15 - 107	57%	SPK: 150
4165-60-0	Nitrobenzene-d5	47.4		18 - 107	47%	SPK: 100
321-60-8	2-Fluorobiphenyl	42.7		20 - 109	43%	SPK: 100
118-79-6	2,4,6-Tribromophenol	73.5		10 - 116	49%	SPK: 150
1718-51-0	Terphenyl-d14	32.6		10 - 105	33%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	79700	6.875			
1146-65-2	Naphthalene-d8	306000	8.157			
15067-26-2	Acenaphthene-d10	156000	9.916			
1517-22-2	Phenanthrene-d10	223000	11.404			
1719-03-5	Chrysene-d12	158000	14.051			
1520-96-3	Perylene-d12	180000	15.545			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	270	AB		5.09	ug/Kg
000119-61-9	Benzophenone	170	J		10.6	ug/Kg
000057-10-3	n-Hexadecanoic acid	340	J		11.9	ug/Kg
959085-66-6	Heptadecyl heptafluorobutyrate	170	J		13.9	ug/Kg

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Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 3556-001	Date Received:	06/23/25
Client Sample ID:	PARK AVE -2	SDG No.:	Q2393
Lab Sample ID:	Q2393-03	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	83.5
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142841.D	1	06/24/25 13:00	06/25/25 17:02	PB168601

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
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
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 3556-001	Date Received:	06/23/25
Client Sample ID:	PARK AVE -3	SDG No.:	Q2393
Lab Sample ID:	Q2393-05	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.6
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142824.D	1	06/24/25 13:00	06/24/25 17:33	PB168601

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	180	U	180	380	ug/Kg
108-95-2	Phenol	25.5	U	25.5	200	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	28.0	U	28.0	200	ug/Kg
95-57-8	2-Chlorophenol	28.1	U	28.1	200	ug/Kg
95-48-7	2-Methylphenol	34.5	U	34.5	200	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	43.3	U	43.3	200	ug/Kg
98-86-2	Acetophenone	34.0	U	34.0	200	ug/Kg
65794-96-9	3+4-Methylphenols	47.4	U	47.4	380	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	54.7	U	54.7	92.3	ug/Kg
67-72-1	Hexachloroethane	20.3	U	20.3	200	ug/Kg
98-95-3	Nitrobenzene	21.1	U	21.1	200	ug/Kg
78-59-1	Isophorone	37.8	U	37.8	200	ug/Kg
88-75-5	2-Nitrophenol	67.1	U	67.1	200	ug/Kg
105-67-9	2,4-Dimethylphenol	74.8	U	74.8	200	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	35.5	U	35.5	200	ug/Kg
120-83-2	2,4-Dichlorophenol	32.6	U	32.6	200	ug/Kg
91-20-3	Naphthalene	26.2	U	26.2	200	ug/Kg
106-47-8	4-Chloroaniline	40.8	U	40.8	200	ug/Kg
87-68-3	Hexachlorobutadiene	29.2	U	29.2	200	ug/Kg
105-60-2	Caprolactam	60.1	U	60.1	380	ug/Kg
59-50-7	4-Chloro-3-methylphenol	33.1	U	33.1	200	ug/Kg
91-57-6	2-Methylnaphthalene	29.5	U	29.5	200	ug/Kg
77-47-4	Hexachlorocyclopentadiene	130	U	130	380	ug/Kg
88-06-2	2,4,6-Trichlorophenol	22.8	U	22.8	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	33.6	U	33.6	200	ug/Kg
92-52-4	1,1-Biphenyl	25.1	U	25.1	200	ug/Kg
91-58-7	2-Chloronaphthalene	26.0	U	26.0	200	ug/Kg
88-74-4	2-Nitroaniline	55.5	U	55.5	200	ug/Kg
131-11-3	Dimethylphthalate	31.3	U	31.3	200	ug/Kg

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Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 3556-001	Date Received:	06/23/25
Client Sample ID:	PARK AVE -3	SDG No.:	Q2393
Lab Sample ID:	Q2393-05	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.6
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142824.D	1	06/24/25 13:00	06/24/25 17:33	PB168601

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	33.3	U	33.3	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	38.8	U	38.8	200	ug/Kg
99-09-2	3-Nitroaniline	53.1	U	53.1	200	ug/Kg
83-32-9	Acenaphthene	24.6	U	24.6	200	ug/Kg
51-28-5	2,4-Dinitrophenol	260	U	260	380	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	380	ug/Kg
132-64-9	Dibenzofuran	26.2	U	26.2	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	57.8	U	57.8	200	ug/Kg
84-66-2	Diethylphthalate	32.6	U	32.6	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	30.8	U	30.8	200	ug/Kg
86-73-7	Fluorene	29.2	U	29.2	200	ug/Kg
100-01-6	4-Nitroaniline	74.1	U	74.1	200	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	U	120	380	ug/Kg
86-30-6	n-Nitrosodiphenylamine	38.0	U	38.0	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	32.1	U	32.1	200	ug/Kg
118-74-1	Hexachlorobenzene	29.2	U	29.2	200	ug/Kg
1912-24-9	Atrazine	39.2	U	39.2	200	ug/Kg
87-86-5	Pentachlorophenol	59.2	U	59.2	380	ug/Kg
85-01-8	Phenanthrene	24.1	U	24.1	200	ug/Kg
120-12-7	Anthracene	38.4	U	38.4	200	ug/Kg
86-74-8	Carbazole	36.0	U	36.0	200	ug/Kg
84-74-2	Di-n-butylphthalate	55.3	U	55.3	200	ug/Kg
206-44-0	Fluoranthene	150	J	34.6	200	ug/Kg
129-00-0	Pyrene	86.6	J	41.5	200	ug/Kg
85-68-7	Butylbenzylphthalate	82.4	UQ	82.4	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	42.3	UQ	42.3	380	ug/Kg
56-55-3	Benzo(a)anthracene	26.5	U	26.5	200	ug/Kg
218-01-9	Chrysene	23.0	U	23.0	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	68.3	U	68.3	200	ug/Kg
117-84-0	Di-n-octyl phthalate	100	U	100	380	ug/Kg
205-99-2	Benzo(b)fluoranthene	88.8	J	21.9	200	ug/Kg

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Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 3556-001	Date Received:	06/23/25
Client Sample ID:	PARK AVE -3	SDG No.:	Q2393
Lab Sample ID:	Q2393-05	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.6
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142824.D	1	06/24/25 13:00	06/24/25 17:33	PB168601

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	25.8	U	25.8	200	ug/Kg
50-32-8	Benzo(a)pyrene	34.0	U	34.0	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	33.6	U	33.6	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	31.6	U	31.6	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	29.6	U	29.6	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	29.5	U	29.5	200	ug/Kg
123-91-1	1,4-Dioxane	52.1	U	52.1	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	31.6	U	31.6	200	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	66.2		18 - 112	44%	SPK: 150
13127-88-3	Phenol-d6	69.5		15 - 107	46%	SPK: 150
4165-60-0	Nitrobenzene-d5	36.7		18 - 107	37%	SPK: 100
321-60-8	2-Fluorobiphenyl	37.2		20 - 109	37%	SPK: 100
118-79-6	2,4,6-Tribromophenol	82.8		10 - 116	55%	SPK: 150
1718-51-0	Terphenyl-d14	36.4		10 - 105	36%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	63000	6.881			
1146-65-2	Naphthalene-d8	226000	8.163			
15067-26-2	Acenaphthene-d10	112000	9.916			
1517-22-2	Phenanthrene-d10	215000	11.41			
1719-03-5	Chrysene-d12	192000	14.051			
1520-96-3	Perylene-d12	128000	15.545			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	210	AB		5.08	ug/Kg
000119-61-9	Benzophenone	160	J		10.6	ug/Kg
000057-10-3	n-Hexadecanoic acid	220	J		11.9	ug/Kg
000112-88-9	1-Octadecene	180	J		13.9	ug/Kg

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Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 3556-001	Date Received:	06/23/25
Client Sample ID:	PARK AVE -3	SDG No.:	Q2393
Lab Sample ID:	Q2393-05	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.6
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142824.D	1	06/24/25 13:00	06/24/25 17:33	PB168601

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
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
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 3556-001	Date Received:	06/23/25
Client Sample ID:	PARK AVE -4	SDG No.:	Q2393
Lab Sample ID:	Q2393-07	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	87.7
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142825.D	1	06/24/25 13:00	06/24/25 18:03	PB168601

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	180	U	180	380	ug/Kg
108-95-2	Phenol	25.1	U	25.1	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	27.6	U	27.6	190	ug/Kg
95-57-8	2-Chlorophenol	27.7	U	27.7	190	ug/Kg
95-48-7	2-Methylphenol	34.0	U	34.0	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	42.6	U	42.6	190	ug/Kg
98-86-2	Acetophenone	33.5	U	33.5	190	ug/Kg
65794-96-9	3+4-Methylphenols	46.7	U	46.7	380	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	53.9	U	53.9	91.0	ug/Kg
67-72-1	Hexachloroethane	20.0	U	20.0	190	ug/Kg
98-95-3	Nitrobenzene	20.8	U	20.8	190	ug/Kg
78-59-1	Isophorone	37.3	U	37.3	190	ug/Kg
88-75-5	2-Nitrophenol	66.2	U	66.2	190	ug/Kg
105-67-9	2,4-Dimethylphenol	73.7	U	73.7	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	35.0	U	35.0	190	ug/Kg
120-83-2	2,4-Dichlorophenol	32.2	U	32.2	190	ug/Kg
91-20-3	Naphthalene	25.8	U	25.8	190	ug/Kg
106-47-8	4-Chloroaniline	40.3	U	40.3	190	ug/Kg
87-68-3	Hexachlorobutadiene	28.8	U	28.8	190	ug/Kg
105-60-2	Caprolactam	59.2	U	59.2	380	ug/Kg
59-50-7	4-Chloro-3-methylphenol	32.6	U	32.6	190	ug/Kg
91-57-6	2-Methylnaphthalene	29.1	U	29.1	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	130	U	130	380	ug/Kg
88-06-2	2,4,6-Trichlorophenol	22.5	U	22.5	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	33.1	U	33.1	190	ug/Kg
92-52-4	1,1-Biphenyl	24.8	U	24.8	190	ug/Kg
91-58-7	2-Chloronaphthalene	25.6	U	25.6	190	ug/Kg
88-74-4	2-Nitroaniline	54.7	U	54.7	190	ug/Kg
131-11-3	Dimethylphthalate	30.8	U	30.8	190	ug/Kg

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Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 3556-001	Date Received:	06/23/25
Client Sample ID:	PARK AVE -4	SDG No.:	Q2393
Lab Sample ID:	Q2393-07	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	87.7
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142825.D	1	06/24/25 13:00	06/24/25 18:03	PB168601

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	32.9	U	32.9	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	38.2	U	38.2	190	ug/Kg
99-09-2	3-Nitroaniline	52.3	U	52.3	190	ug/Kg
83-32-9	Acenaphthene	24.2	U	24.2	190	ug/Kg
51-28-5	2,4-Dinitrophenol	260	U	260	380	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	380	ug/Kg
132-64-9	Dibenzofuran	25.8	U	25.8	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	57.0	U	57.0	190	ug/Kg
84-66-2	Diethylphthalate	32.2	U	32.2	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	30.4	U	30.4	190	ug/Kg
86-73-7	Fluorene	28.8	U	28.8	190	ug/Kg
100-01-6	4-Nitroaniline	73.0	U	73.0	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	U	120	380	ug/Kg
86-30-6	n-Nitrosodiphenylamine	37.4	U	37.4	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	31.6	U	31.6	190	ug/Kg
118-74-1	Hexachlorobenzene	28.8	U	28.8	190	ug/Kg
1912-24-9	Atrazine	38.7	U	38.7	190	ug/Kg
87-86-5	Pentachlorophenol	58.3	U	58.3	380	ug/Kg
85-01-8	Phenanthrene	430		23.8	190	ug/Kg
120-12-7	Anthracene	85.8	J	37.9	190	ug/Kg
86-74-8	Carbazole	35.5	U	35.5	190	ug/Kg
84-74-2	Di-n-butylphthalate	54.5	U	54.5	190	ug/Kg
206-44-0	Fluoranthene	550		34.1	190	ug/Kg
129-00-0	Pyrene	330		40.9	190	ug/Kg
85-68-7	Butylbenzylphthalate	81.2	UQ	81.2	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	41.7	UQ	41.7	380	ug/Kg
56-55-3	Benzo(a)anthracene	230		26.2	190	ug/Kg
218-01-9	Chrysene	200		22.6	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	67.3	U	67.3	190	ug/Kg
117-84-0	Di-n-octyl phthalate	98.7	U	98.7	380	ug/Kg
205-99-2	Benzo(b)fluoranthene	290		21.6	190	ug/Kg

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 3556-001	Date Received:	06/23/25
Client Sample ID:	PARK AVE -4	SDG No.:	Q2393
Lab Sample ID:	Q2393-07	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	87.7
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142825.D	1	06/24/25 13:00	06/24/25 18:03	PB168601

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	110	J	25.5	190	ug/Kg
50-32-8	Benzo(a)pyrene	220		33.5	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	93.5	J	33.1	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	31.2	U	31.2	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	110	J	29.2	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	29.1	U	29.1	190	ug/Kg
123-91-1	1,4-Dioxane	51.4	U	51.4	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	31.2	U	31.2	190	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	73.5		18 - 112	49%	SPK: 150
13127-88-3	Phenol-d6	73.2		15 - 107	49%	SPK: 150
4165-60-0	Nitrobenzene-d5	47.4		18 - 107	47%	SPK: 100
321-60-8	2-Fluorobiphenyl	46.4		20 - 109	46%	SPK: 100
118-79-6	2,4,6-Tribromophenol	82.5		10 - 116	55%	SPK: 150
1718-51-0	Terphenyl-d14	38.2		10 - 105	38%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	62200	6.881			
1146-65-2	Naphthalene-d8	204000	8.163			
15067-26-2	Acenaphthene-d10	93600	9.916			
1517-22-2	Phenanthrene-d10	176000	11.41			
1719-03-5	Chrysene-d12	164000	14.051			
1520-96-3	Perylene-d12	109000	15.545			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	250	AB		5.09	ug/Kg
000119-61-9	Benzophenone	160	J		10.6	ug/Kg
002531-84-2	Phenanthrene, 2-methyl-	390	J		11.9	ug/Kg
000203-64-5	4H-Cyclopenta[def]phenanthrene	230	J		12.0	ug/Kg
003674-66-6	Phenanthrene, 2,5-dimethyl-	110	J		12.5	ug/Kg
002381-21-7	Pyrene, 1-methyl-	78.5	J		13.2	ug/Kg
074685-30-6	5-Eicosene, (E)-	170	J		13.9	ug/Kg

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Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 3556-001	Date Received:	06/23/25
Client Sample ID:	PARK AVE -4	SDG No.:	Q2393
Lab Sample ID:	Q2393-07	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	87.7
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142825.D	1	06/24/25 13:00	06/24/25 18:03	PB168601

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
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
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 3556-001	Date Received:	06/23/25
Client Sample ID:	PARK AVE -5	SDG No.:	Q2393
Lab Sample ID:	Q2393-09	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	91.3
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142826.D	1	06/24/25 13:00	06/24/25 18:34	PB168601

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	170	U	170	360	ug/Kg
108-95-2	Phenol	24.2	U	24.2	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	26.6	U	26.6	190	ug/Kg
95-57-8	2-Chlorophenol	26.7	U	26.7	190	ug/Kg
95-48-7	2-Methylphenol	32.7	U	32.7	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	41.0	U	41.0	190	ug/Kg
98-86-2	Acetophenone	32.2	U	32.2	190	ug/Kg
65794-96-9	3+4-Methylphenols	44.9	U	44.9	360	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	51.8	U	51.8	87.4	ug/Kg
67-72-1	Hexachloroethane	19.2	U	19.2	190	ug/Kg
98-95-3	Nitrobenzene	20.0	U	20.0	190	ug/Kg
78-59-1	Isophorone	35.9	U	35.9	190	ug/Kg
88-75-5	2-Nitrophenol	63.6	U	63.6	190	ug/Kg
105-67-9	2,4-Dimethylphenol	70.8	U	70.8	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	33.7	U	33.7	190	ug/Kg
120-83-2	2,4-Dichlorophenol	30.9	U	30.9	190	ug/Kg
91-20-3	Naphthalene	24.8	U	24.8	190	ug/Kg
106-47-8	4-Chloroaniline	38.7	U	38.7	190	ug/Kg
87-68-3	Hexachlorobutadiene	27.7	U	27.7	190	ug/Kg
105-60-2	Caprolactam	57.0	U	57.0	360	ug/Kg
59-50-7	4-Chloro-3-methylphenol	31.4	U	31.4	190	ug/Kg
91-57-6	2-Methylnaphthalene	28.0	U	28.0	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	130	U	130	360	ug/Kg
88-06-2	2,4,6-Trichlorophenol	21.6	U	21.6	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	31.8	U	31.8	190	ug/Kg
92-52-4	1,1-Biphenyl	23.8	U	23.8	190	ug/Kg
91-58-7	2-Chloronaphthalene	24.6	U	24.6	190	ug/Kg
88-74-4	2-Nitroaniline	52.6	U	52.6	190	ug/Kg
131-11-3	Dimethylphthalate	29.6	U	29.6	190	ug/Kg

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Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 3556-001	Date Received:	06/23/25
Client Sample ID:	PARK AVE -5	SDG No.:	Q2393
Lab Sample ID:	Q2393-09	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	91.3
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142826.D	1	06/24/25 13:00	06/24/25 18:34	PB168601

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	31.6	U	31.6	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	36.7	U	36.7	190	ug/Kg
99-09-2	3-Nitroaniline	50.3	U	50.3	190	ug/Kg
83-32-9	Acenaphthene	23.3	U	23.3	190	ug/Kg
51-28-5	2,4-Dinitrophenol	250	U	250	360	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	360	ug/Kg
132-64-9	Dibenzofuran	24.8	U	24.8	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	54.8	U	54.8	190	ug/Kg
84-66-2	Diethylphthalate	30.9	U	30.9	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	29.2	U	29.2	190	ug/Kg
86-73-7	Fluorene	27.7	U	27.7	190	ug/Kg
100-01-6	4-Nitroaniline	70.2	U	70.2	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	110	U	110	360	ug/Kg
86-30-6	n-Nitrosodiphenylamine	36.0	U	36.0	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	30.4	U	30.4	190	ug/Kg
118-74-1	Hexachlorobenzene	27.7	U	27.7	190	ug/Kg
1912-24-9	Atrazine	37.2	U	37.2	190	ug/Kg
87-86-5	Pentachlorophenol	56.1	U	56.1	360	ug/Kg
85-01-8	Phenanthrene	22.8	U	22.8	190	ug/Kg
120-12-7	Anthracene	36.4	U	36.4	190	ug/Kg
86-74-8	Carbazole	34.1	U	34.1	190	ug/Kg
84-74-2	Di-n-butylphthalate	52.4	U	52.4	190	ug/Kg
206-44-0	Fluoranthene	160	J	32.8	190	ug/Kg
129-00-0	Pyrene	110	J	39.4	190	ug/Kg
85-68-7	Butylbenzylphthalate	78.0	UQ	78.0	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	40.1	UQ	40.1	360	ug/Kg
56-55-3	Benzo(a)anthracene	25.1	U	25.1	190	ug/Kg
218-01-9	Chrysene	21.8	U	21.8	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	64.7	U	64.7	190	ug/Kg
117-84-0	Di-n-octyl phthalate	94.9	U	94.9	360	ug/Kg
205-99-2	Benzo(b)fluoranthene	92.1	J	20.8	190	ug/Kg

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Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 3556-001	Date Received:	06/23/25
Client Sample ID:	PARK AVE -5	SDG No.:	Q2393
Lab Sample ID:	Q2393-09	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	91.3
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142826.D	1	06/24/25 13:00	06/24/25 18:34	PB168601

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	24.5	U	24.5	190	ug/Kg
50-32-8	Benzo(a)pyrene	32.2	U	32.2	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	31.8	U	31.8	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	30.0	U	30.0	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	28.1	U	28.1	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	28.0	U	28.0	190	ug/Kg
123-91-1	1,4-Dioxane	49.4	U	49.4	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	30.0	U	30.0	190	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	69.4		18 - 112	46%	SPK: 150
13127-88-3	Phenol-d6	71.0		15 - 107	47%	SPK: 150
4165-60-0	Nitrobenzene-d5	43.0		18 - 107	43%	SPK: 100
321-60-8	2-Fluorobiphenyl	43.1		20 - 109	43%	SPK: 100
118-79-6	2,4,6-Tribromophenol	85.8		10 - 116	57%	SPK: 150
1718-51-0	Terphenyl-d14	41.5		10 - 105	41%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	53300	6.881			
1146-65-2	Naphthalene-d8	184000	8.163			
15067-26-2	Acenaphthene-d10	94400	9.922			
1517-22-2	Phenanthrene-d10	189000	11.41			
1719-03-5	Chrysene-d12	152000	14.051			
1520-96-3	Perylene-d12	103000	15.545			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	210	AB		5.09	ug/Kg
000119-61-9	Benzophenone	160	J		10.6	ug/Kg
000057-10-3	n-Hexadecanoic acid	240	J		11.9	ug/Kg
1000406-04-7	Pentadecafluorooctanoic acid, hept	220	J		13.9	ug/Kg

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Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 3556-001	Date Received:	06/23/25
Client Sample ID:	PARK AVE -5	SDG No.:	Q2393
Lab Sample ID:	Q2393-09	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	91.3
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142826.D	1	06/24/25 13:00	06/24/25 18:34	PB168601

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
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
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 3556-001	Date Received:	06/23/25
Client Sample ID:	PARK AVE -6	SDG No.:	Q2393
Lab Sample ID:	Q2393-11	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.8
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142823.D	1	06/24/25 13:00	06/24/25 17:01	PB168601

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	180	U	180	380	ug/Kg
108-95-2	Phenol	25.4	U	25.4	200	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	28.0	U	28.0	200	ug/Kg
95-57-8	2-Chlorophenol	28.1	U	28.1	200	ug/Kg
95-48-7	2-Methylphenol	34.4	U	34.4	200	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	43.1	U	43.1	200	ug/Kg
98-86-2	Acetophenone	33.9	U	33.9	200	ug/Kg
65794-96-9	3+4-Methylphenols	47.3	U	47.3	380	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	54.5	U	54.5	92.0	ug/Kg
67-72-1	Hexachloroethane	20.2	U	20.2	200	ug/Kg
98-95-3	Nitrobenzene	21.1	U	21.1	200	ug/Kg
78-59-1	Isophorone	37.7	U	37.7	200	ug/Kg
88-75-5	2-Nitrophenol	67.0	U	67.0	200	ug/Kg
105-67-9	2,4-Dimethylphenol	74.6	U	74.6	200	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	35.4	U	35.4	200	ug/Kg
120-83-2	2,4-Dichlorophenol	32.6	U	32.6	200	ug/Kg
91-20-3	Naphthalene	26.1	U	26.1	200	ug/Kg
106-47-8	4-Chloroaniline	40.7	U	40.7	200	ug/Kg
87-68-3	Hexachlorobutadiene	29.1	U	29.1	200	ug/Kg
105-60-2	Caprolactam	59.9	U	59.9	380	ug/Kg
59-50-7	4-Chloro-3-methylphenol	33.0	U	33.0	200	ug/Kg
91-57-6	2-Methylnaphthalene	29.5	U	29.5	200	ug/Kg
77-47-4	Hexachlorocyclopentadiene	130	U	130	380	ug/Kg
88-06-2	2,4,6-Trichlorophenol	22.8	U	22.8	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	33.5	U	33.5	200	ug/Kg
92-52-4	1,1-Biphenyl	25.1	U	25.1	200	ug/Kg
91-58-7	2-Chloronaphthalene	25.9	U	25.9	200	ug/Kg
88-74-4	2-Nitroaniline	55.3	U	55.3	200	ug/Kg
131-11-3	Dimethylphthalate	31.2	U	31.2	200	ug/Kg

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Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 3556-001	Date Received:	06/23/25
Client Sample ID:	PARK AVE -6	SDG No.:	Q2393
Lab Sample ID:	Q2393-11	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.8
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142823.D	1	06/24/25 13:00	06/24/25 17:01	PB168601

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	33.3	U	33.3	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	38.7	U	38.7	200	ug/Kg
99-09-2	3-Nitroaniline	52.9	U	52.9	200	ug/Kg
83-32-9	Acenaphthene	24.5	U	24.5	200	ug/Kg
51-28-5	2,4-Dinitrophenol	260	U	260	380	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	380	ug/Kg
132-64-9	Dibenzofuran	26.1	U	26.1	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	57.6	U	57.6	200	ug/Kg
84-66-2	Diethylphthalate	32.6	U	32.6	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	30.7	U	30.7	200	ug/Kg
86-73-7	Fluorene	29.1	U	29.1	200	ug/Kg
100-01-6	4-Nitroaniline	73.9	U	73.9	200	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	U	120	380	ug/Kg
86-30-6	n-Nitrosodiphenylamine	37.9	U	37.9	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	32.0	U	32.0	200	ug/Kg
118-74-1	Hexachlorobenzene	29.1	U	29.1	200	ug/Kg
1912-24-9	Atrazine	39.1	U	39.1	200	ug/Kg
87-86-5	Pentachlorophenol	59.0	U	59.0	380	ug/Kg
85-01-8	Phenanthrene	24.0	U	24.0	200	ug/Kg
120-12-7	Anthracene	38.3	U	38.3	200	ug/Kg
86-74-8	Carbazole	35.9	U	35.9	200	ug/Kg
84-74-2	Di-n-butylphthalate	55.1	U	55.1	200	ug/Kg
206-44-0	Fluoranthene	34.5	U	34.5	200	ug/Kg
129-00-0	Pyrene	41.4	U	41.4	200	ug/Kg
85-68-7	Butylbenzylphthalate	82.1	UQ	82.1	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	42.2	UQ	42.2	380	ug/Kg
56-55-3	Benzo(a)anthracene	26.5	U	26.5	200	ug/Kg
218-01-9	Chrysene	22.9	U	22.9	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	68.1	U	68.1	200	ug/Kg
117-84-0	Di-n-octyl phthalate	99.9	U	99.9	380	ug/Kg
205-99-2	Benzo(b)fluoranthene	21.9	U	21.9	200	ug/Kg

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Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 3556-001	Date Received:	06/23/25
Client Sample ID:	PARK AVE -6	SDG No.:	Q2393
Lab Sample ID:	Q2393-11	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.8
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142823.D	1	06/24/25 13:00	06/24/25 17:01	PB168601

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	25.8	U	25.8	200	ug/Kg
50-32-8	Benzo(a)pyrene	33.9	U	33.9	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	33.5	U	33.5	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	31.5	U	31.5	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	29.6	U	29.6	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	29.5	U	29.5	200	ug/Kg
123-91-1	1,4-Dioxane	52.0	U	52.0	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	31.5	U	31.5	200	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	67.1		18 - 112	45%	SPK: 150
13127-88-3	Phenol-d6	67.8		15 - 107	45%	SPK: 150
4165-60-0	Nitrobenzene-d5	41.6		18 - 107	42%	SPK: 100
321-60-8	2-Fluorobiphenyl	35.5		20 - 109	35%	SPK: 100
118-79-6	2,4,6-Tribromophenol	71.0		10 - 116	47%	SPK: 150
1718-51-0	Terphenyl-d14	30.0		10 - 105	30%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	73700	6.881			
1146-65-2	Naphthalene-d8	263000	8.163			
15067-26-2	Acenaphthene-d10	131000	9.922			
1517-22-2	Phenanthrene-d10	234000	11.41			
1719-03-5	Chrysene-d12	228000	14.051			
1520-96-3	Perylene-d12	159000	15.545			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	190	AB		5.09	ug/Kg
000119-61-9	Benzophenone	140	J		10.6	ug/Kg
000057-10-3	n-Hexadecanoic acid	130	J		11.9	ug/Kg
959218-78-1	Pentafluoropropionic acid, heptade	180	J		13.9	ug/Kg

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Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 3556-001	Date Received:	06/23/25
Client Sample ID:	PARK AVE -6	SDG No.:	Q2393
Lab Sample ID:	Q2393-11	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.8
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142823.D	1	06/24/25 13:00	06/24/25 17:01	PB168601

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
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
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

QC SUMMARY

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Surrogate Summary

SW-846

SDG No.: Q2393

Client: Union Paving & Construction Company

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	High
PB168601BL	PB168601BL	2-Fluorophenol	150	125	83		18	112
		Phenol-d6	150	122	81		15	107
		Nitrobenzene-d5	100	79.3	79		18	107
		2-Fluorobiphenyl	100	78.1	78		20	109
		2,4,6-Tribromophenol	150	129	86		10	116
		Terphenyl-d14	100	72.4	72		10	105
PB168601BS	PB168601BS	2-Fluorophenol	150	118	79		18	112
		Phenol-d6	150	114	76		15	107
		Nitrobenzene-d5	100	77.1	77		18	107
		2-Fluorobiphenyl	100	78.8	79		20	109
		2,4,6-Tribromophenol	150	118	79		10	116
		Terphenyl-d14	100	62.0	62		10	105
Q2393-01	PARK AVE -1	2-Fluorophenol	150	78.3	52		18	112
		Phenol-d6	150	84.3	56		15	107
		Nitrobenzene-d5	100	48.6	49		18	107
		2-Fluorobiphenyl	100	46.6	47		20	109
		2,4,6-Tribromophenol	150	73.9	49		10	116
		Terphenyl-d14	100	34.2	34		10	105
Q2393-03	PARK AVE -2	2-Fluorophenol	150	78.7	52		18	112
		Phenol-d6	150	86.0	57		15	107
		Nitrobenzene-d5	100	47.4	47		18	107
		2-Fluorobiphenyl	100	42.7	43		20	109
		2,4,6-Tribromophenol	150	73.5	49		10	116
		Terphenyl-d14	100	32.6	33		10	105
Q2393-05	PARK AVE -3	2-Fluorophenol	150	66.2	44		18	112
		Phenol-d6	150	69.5	46		15	107
		Nitrobenzene-d5	100	36.7	37		18	107
		2-Fluorobiphenyl	100	37.2	37		20	109
		2,4,6-Tribromophenol	150	82.8	55		10	116
		Terphenyl-d14	100	36.4	36		10	105
Q2393-07	PARK AVE -4	2-Fluorophenol	150	73.5	49		18	112
		Phenol-d6	150	73.2	49		15	107
		Nitrobenzene-d5	100	47.4	47		18	107
		2-Fluorobiphenyl	100	46.4	46		20	109
		2,4,6-Tribromophenol	150	82.5	55		10	116
		Terphenyl-d14	100	38.2	38		10	105
Q2393-09	PARK AVE -5	2-Fluorophenol	150	69.4	46		18	112
		Phenol-d6	150	71.0	47		15	107
		Nitrobenzene-d5	100	43.0	43		18	107
		2-Fluorobiphenyl	100	43.1	43		20	109
		2,4,6-Tribromophenol	150	85.8	57		10	116
		Terphenyl-d14	100	41.5	41		10	105
Q2393-11	PARK AVE -6	2-Fluorophenol	150	67.1	45		18	112
		Phenol-d6	150	67.8	45		15	107
		Nitrobenzene-d5	100	41.6	42		18	107
		2-Fluorobiphenyl	100	35.5	35		20	109
		2,4,6-Tribromophenol	150	71.0	47		10	116
		Terphenyl-d14	100	30.0	30		10	105
Q2394-01MS	MH-K/LMS	2-Fluorophenol	150	94.0	63		18	112
		Phenol-d6	150	95.7	64		15	107
		Nitrobenzene-d5	100	60.3	60		18	107

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Surrogate Summary

SW-846

SDG No.: Q2393

Client: Union Paving & Construction Company

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
Q2394-01MS	MH-K/LMS	2-Fluorobiphenyl	100	58.9	59		20	109
		2,4,6-Tribromophenol	150	88.4	59		10	116
		Terphenyl-d14	100	38.6	39		10	105
Q2394-01MSD	MH-K/LMSD	2-Fluorophenol	150	97.9	65		18	112
		Phenol-d6	150	101	67		15	107
		Nitrobenzene-d5	100	63.6	64		18	107
		2-Fluorobiphenyl	100	63.1	63		20	109
		2,4,6-Tribromophenol	150	91.8	61		10	116
		Terphenyl-d14	100	39.9	40		10	105

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2393

Client: Union Paving & Construction Company

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q2394-01MS		**Client Sample ID: MH-K/LMS**						**DataFile: BF142843.D**			
Benzaldehyde	1200	0	850	ug/Kg	71				10	171	
Phenol	1200	0	910	ug/Kg	76				51	122	
bis(2-Chloroethyl)ether	1200	0	930	ug/Kg	78				54	125	
2-Chlorophenol	1200	0	940	ug/Kg	78				51	121	
2-Methylphenol	1200	0	930	ug/Kg	78				47	125	
2,2-oxybis(1-Chloropropane)	1200	0	900	ug/Kg	75				46	119	
Acetophenone	1200	0	950	ug/Kg	79				55	128	
3+4-Methylphenols	1200	0	940	ug/Kg	78				49	125	
N-Nitroso-di-n-propylamine	1200	0	950	ug/Kg	79				59	119	
Hexachloroethane	1200	0	920	ug/Kg	77				51	116	
Nitrobenzene	1200	0	950	ug/Kg	79				47	124	
Isophorone	1200	0	940	ug/Kg	78				49	127	
2-Nitrophenol	1200	0	990	ug/Kg	83				43	131	
2,4-Dimethylphenol	1200	0	930	ug/Kg	78				63	151	
bis(2-Chloroethoxy)methane	1200	0	950	ug/Kg	79				51	119	
2,4-Dichlorophenol	1200	0	950	ug/Kg	79				50	122	
Naphthalene	1200	0	950	ug/Kg	79				51	121	
4-Chloroaniline	1200	0	270	ug/Kg	23				10	100	
Hexachlorobutadiene	1200	0	950	ug/Kg	79				44	126	
Caprolactam	1200	0	950	ug/Kg	79				51	134	
4-Chloro-3-methylphenol	1200	0	910	ug/Kg	76				57	132	
2-Methylnaphthalene	1200	0	940	ug/Kg	78				59	123	
Hexachlorocyclopentadiene	2300	0	1800	ug/Kg	78				10	175	
2,4,6-Trichlorophenol	1200	0	950	ug/Kg	79				33	141	
2,4,5-Trichlorophenol	1200	0	940	ug/Kg	78				38	135	
1,1-Biphenyl	1200	0	970	ug/Kg	81				55	131	
2-Chloronaphthalene	1200	0	960	ug/Kg	80				48	124	
2-Nitroaniline	1200	0	920	ug/Kg	77				47	134	
Dimethylphthalate	1200	0	970	ug/Kg	81				54	120	
Acenaphthylene	1200	0	940	ug/Kg	78				57	125	
2,6-Dinitrotoluene	1200	0	960	ug/Kg	80				48	127	
3-Nitroaniline	1200	0	480	ug/Kg	40				10	112	
Acenaphthene	1200	0	1000	ug/Kg	83				70	121	
2,4-Dinitrophenol	2300	0	1600	ug/Kg	70				10	155	
4-Nitrophenol	2300	0	1500	ug/Kg	65				10	175	
Dibenzofuran	1200	0	920	ug/Kg	77				52	114	
2,4-Dinitrotoluene	1200	0	910	ug/Kg	76				41	140	
Diethylphthalate	1200	0	950	ug/Kg	79				51	119	
4-Chlorophenyl-phenylether	1200	0	920	ug/Kg	77				48	122	
Fluorene	1200	0	900	ug/Kg	75				53	118	
4-Nitroaniline	1200	0	800	ug/Kg	67				29	140	
4,6-Dinitro-2-methylphenol	1200	0	950	ug/Kg	79				10	160	
N-Nitrosodiphenylamine	1200	0	1100	ug/Kg	92				73	118	
4-Bromophenyl-phenylether	1200	0	1100	ug/Kg	92				65	121	
Hexachlorobenzene	1200	0	1000	ug/Kg	83				67	118	
Atrazine	1200	0	1100	ug/Kg	92				45	175	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2393

Client: Union Paving & Construction Company

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Pentachlorophenol	2300	0	1700	ug/Kg	74				13	153	
Phenanthrene	1200	0	950	ug/Kg	79				52	128	
Anthracene	1200	0	940	ug/Kg	78				62	124	
Carbazole	1200	0	860	ug/Kg	72				59	119	
Di-n-butylphthalate	1200	0	1000	ug/Kg	83				55	125	
Fluoranthene	1200	0	830	ug/Kg	69				44	125	
Pyrene	1200	0	620	ug/Kg	52				37	122	
Butylbenzylphthalate	1200	0	930	ug/Kg	78				44	135	
3,3-Dichlorobenzidine	1200	0	380	ug/Kg	32				15	112	
Benzo(a)anthracene	1200	0	960	ug/Kg	80				53	119	
Chrysene	1200	0	990	ug/Kg	83				57	121	
bis(2-Ethylhexyl)phthalate	1200	0	1000	ug/Kg	83				42	169	
Di-n-octyl phthalate	1200	0	1000	ug/Kg	83				51	156	
Benzo(b)fluoranthene	1200	0	1000	ug/Kg	83				52	117	
Benzo(k)fluoranthene	1200	0	1000	ug/Kg	83				57	134	
Benzo(a)pyrene	1200	0	1000	ug/Kg	83				70	142	
Indeno(1,2,3-cd)pyrene	1200	0	560	ug/Kg	47				40	129	
Dibenz(a,h)anthracene	1200	0	570	ug/Kg	48				43	123	
Benzo(g,h,i)perylene	1200	0	490	ug/Kg	41				24	125	
1,2,4,5-Tetrachlorobenzene	1200	0	980	ug/Kg	82				52	134	
1,4-Dioxane	1200	0	820	ug/Kg	68				46	112	
2,3,4,6-Tetrachlorophenol	1200	0	870	ug/Kg	73				24	146	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2393

Client: Union Paving & Construction Company

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q2394-01MSD		**Client Sample ID: MH-K/LMSD**						**DataFile: BF142844.D**			
Benzaldehyde	1200	0	900	ug/Kg	75		5		10	171	20
Phenol	1200	0	950	ug/Kg	79		4		51	122	20
bis(2-Chloroethyl)ether	1200	0	1000	ug/Kg	83		6		54	125	20
2-Chlorophenol	1200	0	990	ug/Kg	83		6		51	121	20
2-Methylphenol	1200	0	980	ug/Kg	82		5		47	125	20
2,2-oxybis(1-Chloropropane)	1200	0	950	ug/Kg	79		5		46	119	20
Acetophenone	1200	0	1000	ug/Kg	83		5		55	128	20
3+4-Methylphenols	1200	0	980	ug/Kg	82		5		49	125	20
N-Nitroso-di-n-propylamine	1200	0	990	ug/Kg	83		5		59	119	20
Hexachloroethane	1200	0	990	ug/Kg	83		8		51	116	20
Nitrobenzene	1200	0	990	ug/Kg	83		5		47	124	20
Isophorone	1200	0	990	ug/Kg	83		6		49	127	20
2-Nitrophenol	1200	0	1100	ug/Kg	92		10		43	131	20
2,4-Dimethylphenol	1200	0	970	ug/Kg	81		4		63	151	20
bis(2-Chloroethoxy)methane	1200	0	1000	ug/Kg	83		5		51	119	20
2,4-Dichlorophenol	1200	0	990	ug/Kg	83		5		50	122	20
Naphthalene	1200	0	980	ug/Kg	82		4		51	121	20
4-Chloroaniline	1200	0	270	ug/Kg	23		0		10	100	20
Hexachlorobutadiene	1200	0	990	ug/Kg	83		5		44	126	20
Caprolactam	1200	0	990	ug/Kg	83		5		51	134	20
4-Chloro-3-methylphenol	1200	0	970	ug/Kg	81		6		57	132	20
2-Methylnaphthalene	1200	0	990	ug/Kg	83		6		59	123	20
Hexachlorocyclopentadiene	2300	0	1900	ug/Kg	83		6		10	175	20
2,4,6-Trichlorophenol	1200	0	1000	ug/Kg	83		5		33	141	20
2,4,5-Trichlorophenol	1200	0	990	ug/Kg	83		6		38	135	20
1,1-Biphenyl	1200	0	1000	ug/Kg	83		2		55	131	20
2-Chloronaphthalene	1200	0	1000	ug/Kg	83		4		48	124	20
2-Nitroaniline	1200	0	990	ug/Kg	83		8		47	134	20
Dimethylphthalate	1200	0	1000	ug/Kg	83		2		54	120	20
Acenaphthylene	1200	0	990	ug/Kg	83		6		57	125	20
2,6-Dinitrotoluene	1200	0	1000	ug/Kg	83		4		48	127	20
3-Nitroaniline	1200	0	470	ug/Kg	39		3		10	112	20
Acenaphthene	1200	0	1000	ug/Kg	83		0		70	121	20
2,4-Dinitrophenol	2300	0	1600	ug/Kg	70		0		10	155	20
4-Nitrophenol	2300	0	1600	ug/Kg	70		7		10	175	20
Dibenzofuran	1200	0	970	ug/Kg	81		5		52	114	20
2,4-Dinitrotoluene	1200	0	960	ug/Kg	80		5		41	140	20
Diethylphthalate	1200	0	1000	ug/Kg	83		5		51	119	20
4-Chlorophenyl-phenylether	1200	0	970	ug/Kg	81		5		48	122	20
Fluorene	1200	0	940	ug/Kg	78		4		53	118	20
4-Nitroaniline	1200	0	830	ug/Kg	69		3		29	140	20
4,6-Dinitro-2-methylphenol	1200	0	1000	ug/Kg	83		5		10	160	20
N-Nitrosodiphenylamine	1200	0	1100	ug/Kg	92		0		73	118	20
4-Bromophenyl-phenylether	1200	0	1200	ug/Kg	100		8		65	121	20
Hexachlorobenzene	1200	0	1100	ug/Kg	92		10		67	118	20
Atrazine	1200	0	1100	ug/Kg	92		0		45	175	20

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2393

Client: Union Paving & Construction Company

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Pentachlorophenol	2300	0	1800	ug/Kg	78		5		13	153	20
Phenanthrene	1200	0	1000	ug/Kg	83		5		52	128	20
Anthracene	1200	0	1000	ug/Kg	83		6		62	124	20
Carbazole	1200	0	920	ug/Kg	77		7		59	119	20
Di-n-butylphthalate	1200	0	1100	ug/Kg	92		10		55	125	20
Fluoranthene	1200	0	890	ug/Kg	74		7		44	125	20
Pyrene	1200	0	650	ug/Kg	54		4		37	122	20
Butylbenzylphthalate	1200	0	980	ug/Kg	82		5		44	135	20
3,3-Dichlorobenzidine	1200	0	390	ug/Kg	33		3		15	112	20
Benzo(a)anthracene	1200	0	1000	ug/Kg	83		4		53	119	20
Chrysene	1200	0	1000	ug/Kg	83		0		57	121	20
bis(2-Ethylhexyl)phthalate	1200	0	1100	ug/Kg	92		10		42	169	20
Di-n-octyl phthalate	1200	0	1100	ug/Kg	92		10		51	156	20
Benzo(b)fluoranthene	1200	0	1100	ug/Kg	92		10		52	117	20
Benzo(k)fluoranthene	1200	0	1100	ug/Kg	92		10		57	134	20
Benzo(a)pyrene	1200	0	1000	ug/Kg	83		0		70	142	20
Indeno(1,2,3-cd)pyrene	1200	0	580	ug/Kg	48		2		40	129	20
Dibenz(a,h)anthracene	1200	0	580	ug/Kg	48		0		43	123	20
Benzo(g,h,i)perylene	1200	0	500	ug/Kg	42		2		24	125	20
1,2,4,5-Tetrachlorobenzene	1200	0	1000	ug/Kg	83		1		52	134	20
1,4-Dioxane	1200	0	860	ug/Kg	72		6		46	112	20
2,3,4,6-Tetrachlorophenol	1200	0	900	ug/Kg	75		3		24	146	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2393

Client: Union Paving & Construction Company

Analytical Method: 8270E **DataFile:** BF142839.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB168601BS	Benzaldehyde	1700	1300	ug/Kg	76				10	133	
	Phenol	1700	1400	ug/Kg	82				62	112	
	bis(2-Chloroethyl)ether	1700	1500	ug/Kg	88				60	101	
	2-Chlorophenol	1700	1400	ug/Kg	82				65	112	
	2-Methylphenol	1700	1400	ug/Kg	82				61	108	
	2,2-oxybis(1-Chloropropane)	1700	1400	ug/Kg	82				51	100	
	Acetophenone	1700	1500	ug/Kg	88				66	98	
	3+4-Methylphenols	1700	1400	ug/Kg	82				58	111	
	N-Nitroso-di-n-propylamine	1700	1400	ug/Kg	82				63	95	
	Hexachloroethane	1700	1500	ug/Kg	88				72	108	
	Nitrobenzene	1700	1500	ug/Kg	88				57	101	
	Isophorone	1700	1500	ug/Kg	88				59	99	
	2-Nitrophenol	1700	1500	ug/Kg	88				61	111	
	2,4-Dimethylphenol	1700	1400	ug/Kg	82				46	141	
	bis(2-Chloroethoxy)methane	1700	1500	ug/Kg	88				66	97	
	2,4-Dichlorophenol	1700	1400	ug/Kg	82				62	107	
	Naphthalene	1700	1500	ug/Kg	88				62	100	
	4-Chloroaniline	1700	560	ug/Kg	33				16	100	
	Hexachlorobutadiene	1700	1500	ug/Kg	88				53	98	
	Caprolactam	1700	1400	ug/Kg	82				67	110	
	4-Chloro-3-methylphenol	1700	1400	ug/Kg	82				58	112	
	2-Methylnaphthalene	1700	1400	ug/Kg	82				60	104	
	Hexachlorocyclopentadiene	3300	3400	ug/Kg	103				45	165	
	2,4,6-Trichlorophenol	1700	1500	ug/Kg	88				59	102	
	2,4,5-Trichlorophenol	1700	1500	ug/Kg	88				61	98	
	1,1-Biphenyl	1700	1500	ug/Kg	88				57	103	
	2-Chloronaphthalene	1700	1500	ug/Kg	88				58	99	
	2-Nitroaniline	1700	1400	ug/Kg	82				66	101	
	Dimethylphthalate	1700	1500	ug/Kg	88				61	99	
	Acenaphthylene	1700	1500	ug/Kg	88				63	101	
	2,6-Dinitrotoluene	1700	1500	ug/Kg	88				61	104	
	3-Nitroaniline	1700	750	ug/Kg	44				28	100	
	Acenaphthene	1700	1600	ug/Kg	94				57	104	
	2,4-Dinitrophenol	3300	3200	ug/Kg	97				37	128	
	4-Nitrophenol	3300	2800	ug/Kg	85				48	119	
	Dibenzofuran	1700	1500	ug/Kg	88				63	99	
	2,4-Dinitrotoluene	1700	1500	ug/Kg	88				60	106	
	Diethylphthalate	1700	1500	ug/Kg	88				60	101	
	4-Chlorophenyl-phenylether	1700	1500	ug/Kg	88				58	98	
	Fluorene	1700	1400	ug/Kg	82				61	101	
	4-Nitroaniline	1700	1400	ug/Kg	82				64	103	
	4,6-Dinitro-2-methylphenol	1700	1600	ug/Kg	94				76	113	
	N-Nitrosodiphenylamine	1700	1600	ug/Kg	94				71	99	
	4-Bromophenyl-phenylether	1700	1600	ug/Kg	94				66	102	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2393

Client: Union Paving & Construction Company

Analytical Method: 8270E **DataFile:** BF142839.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB168601BS	Hexachlorobenzene	1700	1600	ug/Kg	94				64	98	
	Atrazine	1700	1700	ug/Kg	100				47	152	
	Pentachlorophenol	3300	3100	ug/Kg	94				67	105	
	Phenanthrene	1700	1500	ug/Kg	88				59	103	
	Anthracene	1700	1500	ug/Kg	88				61	105	
	Carbazole	1700	1500	ug/Kg	88				61	99	
	Di-n-butylphthalate	1700	1700	ug/Kg	100				58	104	
	Fluoranthene	1700	1600	ug/Kg	94				57	107	
	Pyrene	1700	1200	ug/Kg	71				59	103	
	Butylbenzylphthalate	1700	1800	ug/Kg	106		*		55	103	
	3,3-Dichlorobenzidine	1700	660	ug/Kg	39		*		42	91	
	Benzo(a)anthracene	1700	1500	ug/Kg	88				60	102	
	Chrysene	1700	1500	ug/Kg	88				59	101	
	bis(2-Ethylhexyl)phthalate	1700	1800	ug/Kg	106				54	135	
	Di-n-octyl phthalate	1700	1800	ug/Kg	106				52	137	
	Benzo(b)fluoranthene	1700	1600	ug/Kg	94				62	109	
	Benzo(k)fluoranthene	1700	1600	ug/Kg	94				62	109	
	Benzo(a)pyrene	1700	1600	ug/Kg	94				63	103	
	Indeno(1,2,3-cd)pyrene	1700	1400	ug/Kg	82				63	101	
	Dibenz(a,h)anthracene	1700	1400	ug/Kg	82				61	112	
	Benzo(g,h,i)perylene	1700	1400	ug/Kg	82				70	108	
	1,2,4,5-Tetrachlorobenzene	1700	1600	ug/Kg	94				53	101	
	1,4-Dioxane	1700	1200	ug/Kg	71				50	96	
	2,3,4,6-Tetrachlorophenol	1700	1500	ug/Kg	88				59	108	

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB168601BL

Lab Name: CHEMTECH Contract: UNIO02

Lab Code: CHEM Case No.: Q2393 SAS No.: Q2393 SDG NO.: Q2393

Lab File ID: BF142838.D Lab Sample ID: PB168601BL

Instrument ID: BNA_F Date Extracted: 06/24/2025

Matrix: (soil/water) SOIL Date Analyzed: 06/25/2025

Level: (low/med) LOW Time Analyzed: 15:26

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB168601BS	PB168601BS	BF142839.D	06/25/2025
PARK AVE -1	Q2393-01	BF142840.D	06/25/2025
PARK AVE -2	Q2393-03	BF142841.D	06/25/2025
MH-K/LMS	Q2394-01MS	BF142843.D	06/25/2025
MH-K/LMSD	Q2394-01MSD	BF142844.D	06/25/2025
PARK AVE -3	Q2393-05	BF142824.D	06/24/2025
PARK AVE -4	Q2393-07	BF142825.D	06/24/2025
PARK AVE -6	Q2393-11	BF142823.D	06/24/2025
PARK AVE -5	Q2393-09	BF142826.D	06/24/2025

COMMENTS:

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: UNIO02

Lab Code: CHEM SAS No.: Q2393 SDG NO.: Q2393

Lab File ID: BF142787.D DFTPP Injection Date: 06/19/2025

Instrument ID: BNA_F DFTPP Injection Time: 16:37

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.6 (1.8) 1
69	Mass 69 relative abundance	30.9
70	Less than 2.0% of mass 69	0.1 (0.5) 1
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	5.8
365	Greater than 1% of mass 198	3.3
441	Present, but less than mass 443	15
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.1 (19.1) 2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BF142788.D	06/19/2025	17:07
SSTDICC005	SSTDICC005	BF142789.D	06/19/2025	17:38
SSTDICC010	SSTDICC010	BF142790.D	06/19/2025	18:08
SSTDICC020	SSTDICC020	BF142791.D	06/19/2025	18:39
SSTDICC040	SSTDICC040	BF142792.D	06/19/2025	19:09
SSTDICC050	SSTDICC050	BF142793.D	06/19/2025	19:40
SSTDICC060	SSTDICC060	BF142794.D	06/19/2025	20:10
SSTDICC080	SSTDICC080	BF142795.D	06/19/2025	20:40

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: UNIO02

Lab Code: CHEM SAS No.: Q2393 SDG NO.: Q2393

Lab File ID: BF142810.D DFTPP Injection Date: 06/24/2025

Instrument ID: BNA_F DFTPP Injection Time: 09:46

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.6 (1.7) 1
69	Mass 69 relative abundance	34.4
70	Less than 2.0% of mass 69	0.1 (0.4) 1
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.5
365	Greater than 1% of mass 198	3.3
441	Present, but less than mass 443	15.5
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.2 (19.2) 2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF142811.D	06/24/2025	10:16
PARK AVE -6	Q2393-11	BF142823.D	06/24/2025	17:01
PARK AVE -3	Q2393-05	BF142824.D	06/24/2025	17:33
PARK AVE -4	Q2393-07	BF142825.D	06/24/2025	18:03
PARK AVE -5	Q2393-09	BF142826.D	06/24/2025	18:34

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: UNIO02

Lab Code: CHEM SAS No.: Q2393 SDG NO.: Q2393

Lab File ID: BF142833.D DFTPP Injection Date: 06/25/2025

Instrument ID: BNA_F DFTPP Injection Time: 12:17

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.1 (0.4) 1
69	Mass 69 relative abundance	28.5
70	Less than 2.0% of mass 69	0.0 (0.0) 1
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6
365	Greater than 1% of mass 198	3.1
441	Present, but less than mass 443	14.9
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	18.8 (18.8) 2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF142834.D	06/25/2025	13:25
PB168601BL	PB168601BL	BF142838.D	06/25/2025	15:26
PB168601BS	PB168601BS	BF142839.D	06/25/2025	15:57
PARK AVE -1	Q2393-01	BF142840.D	06/25/2025	16:32
PARK AVE -2	Q2393-03	BF142841.D	06/25/2025	17:02
MH-K/LMS	Q2394-01MS	BF142843.D	06/25/2025	18:04
MH-K/LMSD	Q2394-01MSD	BF142844.D	06/25/2025	18:35

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2393 SAS No.: Q2393 SDG NO.: Q2393

EPA Sample No.: SSTDCCC040 Date Analyzed: 06/24/2025

Lab File ID: BF142811.D Time Analyzed: 10:16

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	88364	6.88	335549	8.16	179366	9.92
	UPPER LIMIT	176728	7.38	671098	8.663	358732	10.421
	LOWER LIMIT	44182	6.38	167775	7.663	89683	9.421
	EPA SAMPLE NO.						
01	PARK AVE -3	63043	6.88	226294	8.16	112057	9.92
02	PARK AVE -4	62168	6.88	204115	8.16	93623	9.92
03	PARK AVE -5	53337	6.88	183629	8.16	94380	9.92
04	PARK AVE -6	73650	6.88	263416	8.16	131114	9.92

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2393 SAS No.: Q2393 SDG NO.: Q2393

EPA Sample No.: SSTDCCC040 Date Analyzed: 06/24/2025

Lab File ID: BF142811.D Time Analyzed: 10:16

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	300319	11.41	163667	14.056	187854	15.545
	UPPER LIMIT	600638	11.91	327334	14.556	375708	16.045
	LOWER LIMIT	150160	10.91	81833.5	13.556	93927	15.045
	EPA SAMPLE NO.						
01	PARK AVE -3	215299	11.41	191648	14.05	128238	15.55
02	PARK AVE -4	176025	11.41	164289	14.05	108830	15.55
03	PARK AVE -5	188653	11.41	152475	14.05	103394	15.55
04	PARK AVE -6	233515	11.41	228217	14.05	158913	15.55

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2393 SAS No.: Q2393 SDG NO.: Q2393

EPA Sample No.: SSTDCCC040 Date Analyzed: 06/25/2025

Lab File ID: BF142834.D Time Analyzed: 13:25

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	62666	6.881	217016	8.16	105351	9.92
	UPPER LIMIT	125332	7.381	434032	8.663	210702	10.422
	LOWER LIMIT	31333	6.381	108508	7.663	52675.5	9.422
	EPA SAMPLE NO.						
01	PB168601BL	81390	6.88	310420	8.16	163008	9.92
02	PB168601BS	75779	6.88	274808	8.16	132637	9.92
03	PARK AVE -1	78743	6.88	299716	8.16	152673	9.92
04	PARK AVE -2	79690	6.88	305909	8.16	156047	9.92
05	MH-K/LMS	88519	6.88	329491	8.16	165682	9.92
06	MH-K/LMSD	86832	6.88	327352	8.16	161732	9.92

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2393 SAS No.: Q2393 SDG NO.: Q2393

EPA Sample No.: SSTDCCC040 Date Analyzed: 06/25/2025

Lab File ID: BF142834.D Time Analyzed: 13:25

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	165051	11.41	130450	14.057	161869	15.551
	UPPER LIMIT	330102	11.91	260900	14.557	323738	16.051
	LOWER LIMIT	82525.5	10.91	65225	13.557	80934.5	15.051
	EPA SAMPLE NO.						
01	PB168601BL	283770	11.40	173595	14.05	178625	15.54
02	PB168601BS	201072	11.41	147361	14.06	184315	15.55
03	PARK AVE -1	208414	11.40	153326	14.05	177028	15.55
04	PARK AVE -2	222655	11.40	158233	14.05	179947	15.55
05	MH-K/LMS	227501	11.41	165966	14.06	197780	15.55
06	MH-K/LMSD	216826	11.41	166084	14.06	195276	15.55

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

QC SAMPLE DATA

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Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	
Project:	190 Park Ave Hanover Twp NJ - PO 3556-001	Date Received:	
Client Sample ID:	PB168601BL	SDG No.:	Q2393
Lab Sample ID:	PB168601BL	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142838.D	1	06/24/25 13:00	06/25/25 15:26	PB168601

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	160	U	160	330	ug/Kg
108-95-2	Phenol	22.1	U	22.1	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	24.3	U	24.3	170	ug/Kg
95-57-8	2-Chlorophenol	24.4	U	24.4	170	ug/Kg
95-48-7	2-Methylphenol	29.9	U	29.9	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	37.5	U	37.5	170	ug/Kg
98-86-2	Acetophenone	29.5	U	29.5	170	ug/Kg
65794-96-9	3+4-Methylphenols	41.1	U	41.1	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	47.4	U	47.4	80.0	ug/Kg
67-72-1	Hexachloroethane	17.6	U	17.6	170	ug/Kg
98-95-3	Nitrobenzene	18.3	U	18.3	170	ug/Kg
78-59-1	Isophorone	32.8	U	32.8	170	ug/Kg
88-75-5	2-Nitrophenol	58.2	U	58.2	170	ug/Kg
105-67-9	2,4-Dimethylphenol	64.8	U	64.8	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	30.8	U	30.8	170	ug/Kg
120-83-2	2,4-Dichlorophenol	28.3	U	28.3	170	ug/Kg
91-20-3	Naphthalene	22.7	U	22.7	170	ug/Kg
106-47-8	4-Chloroaniline	35.4	U	35.4	170	ug/Kg
87-68-3	Hexachlorobutadiene	25.3	U	25.3	170	ug/Kg
105-60-2	Caprolactam	52.1	U	52.1	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	28.7	U	28.7	170	ug/Kg
91-57-6	2-Methylnaphthalene	25.6	U	25.6	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	120	U	120	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	19.8	U	19.8	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	29.1	U	29.1	170	ug/Kg
92-52-4	1,1-Biphenyl	21.8	U	21.8	170	ug/Kg
91-58-7	2-Chloronaphthalene	22.5	U	22.5	170	ug/Kg
88-74-4	2-Nitroaniline	48.1	U	48.1	170	ug/Kg
131-11-3	Dimethylphthalate	27.1	U	27.1	170	ug/Kg

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	
Project:	190 Park Ave Hanover Twp NJ - PO 3556-001	Date Received:	
Client Sample ID:	PB168601BL	SDG No.:	Q2393
Lab Sample ID:	PB168601BL	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142838.D	1	06/24/25 13:00	06/25/25 15:26	PB168601

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	28.9	U	28.9	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	33.6	U	33.6	170	ug/Kg
99-09-2	3-Nitroaniline	46.0	U	46.0	170	ug/Kg
83-32-9	Acenaphthene	21.3	U	21.3	170	ug/Kg
51-28-5	2,4-Dinitrophenol	230	U	230	330	ug/Kg
100-02-7	4-Nitrophenol	110	U	110	330	ug/Kg
132-64-9	Dibenzofuran	22.7	U	22.7	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	50.1	U	50.1	170	ug/Kg
84-66-2	Diethylphthalate	28.3	U	28.3	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	26.7	U	26.7	170	ug/Kg
86-73-7	Fluorene	25.3	U	25.3	170	ug/Kg
100-01-6	4-Nitroaniline	64.2	U	64.2	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	100	U	100	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	32.9	U	32.9	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	27.8	U	27.8	170	ug/Kg
118-74-1	Hexachlorobenzene	25.3	U	25.3	170	ug/Kg
1912-24-9	Atrazine	34.0	U	34.0	170	ug/Kg
87-86-5	Pentachlorophenol	51.3	U	51.3	330	ug/Kg
85-01-8	Phenanthrene	20.9	U	20.9	170	ug/Kg
120-12-7	Anthracene	33.3	U	33.3	170	ug/Kg
86-74-8	Carbazole	31.2	U	31.2	170	ug/Kg
84-74-2	Di-n-butylphthalate	47.9	U	47.9	170	ug/Kg
206-44-0	Fluoranthene	30.0	U	30.0	170	ug/Kg
129-00-0	Pyrene	36.0	U	36.0	170	ug/Kg
85-68-7	Butylbenzylphthalate	71.4	U	71.4	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	36.7	U	36.7	330	ug/Kg
56-55-3	Benzo(a)anthracene	23.0	U	23.0	170	ug/Kg
218-01-9	Chrysene	19.9	U	19.9	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	59.2	U	59.2	170	ug/Kg
117-84-0	Di-n-octyl phthalate	86.8	U	86.8	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	19.0	U	19.0	170	ug/Kg

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Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	
Project:	190 Park Ave Hanover Twp NJ - PO 3556-001	Date Received:	
Client Sample ID:	PB168601BL	SDG No.:	Q2393
Lab Sample ID:	PB168601BL	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142838.D	1	06/24/25 13:00	06/25/25 15:26	PB168601

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	22.4	U	22.4	170	ug/Kg
50-32-8	Benzo(a)pyrene	29.5	U	29.5	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	29.1	U	29.1	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	27.4	U	27.4	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	25.7	U	25.7	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	25.6	U	25.6	170	ug/Kg
123-91-1	1,4-Dioxane	45.2	U	45.2	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	27.4	U	27.4	170	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	125		18 - 112	83%	SPK: 150
13127-88-3	Phenol-d6	122		15 - 107	81%	SPK: 150
4165-60-0	Nitrobenzene-d5	79.3		18 - 107	79%	SPK: 100
321-60-8	2-Fluorobiphenyl	78.1		20 - 109	78%	SPK: 100
118-79-6	2,4,6-Tribromophenol	129		10 - 116	86%	SPK: 150
1718-51-0	Terphenyl-d14	72.4		10 - 105	72%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	81400	6.875			
1146-65-2	Naphthalene-d8	310000	8.157			
15067-26-2	Acenaphthene-d10	163000	9.916			
1517-22-2	Phenanthrene-d10	284000	11.404			
1719-03-5	Chrysene-d12	174000	14.051			
1520-96-3	Perylene-d12	179000	15.539			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	320	A		5.11	ug/Kg

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Report of Analysis

Client:	Union Paving & Construction Company			Date Collected:	
Project:	190 Park Ave Hanover Twp NJ - PO 3556-001			Date Received:	
Client Sample ID:	PB168601BL			SDG No.:	Q2393
Lab Sample ID:	PB168601BL			Matrix:	SOIL
Analytical Method:	8270E			% Solid:	100
Sample Wt/Vol:	30.01	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOC-TCL BNA -20
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142838.D	1	06/24/25 13:00	06/25/25 15:26	PB168601

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
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
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	
Project:	190 Park Ave Hanover Twp NJ - PO 3556-001	Date Received:	
Client Sample ID:	PB168601BS	SDG No.:	Q2393
Lab Sample ID:	PB168601BS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142839.D	1	06/24/25 13:00	06/25/25 15:57	PB168601

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	1300		160	330	ug/Kg
108-95-2	Phenol	1400		22.1	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1500		24.3	170	ug/Kg
95-57-8	2-Chlorophenol	1400		24.4	170	ug/Kg
95-48-7	2-Methylphenol	1400		29.9	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1400		37.5	170	ug/Kg
98-86-2	Acetophenone	1500		29.5	170	ug/Kg
65794-96-9	3+4-Methylphenols	1400		41.1	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1400		47.4	79.9	ug/Kg
67-72-1	Hexachloroethane	1500		17.6	170	ug/Kg
98-95-3	Nitrobenzene	1500		18.3	170	ug/Kg
78-59-1	Isophorone	1500		32.8	170	ug/Kg
88-75-5	2-Nitrophenol	1500		58.1	170	ug/Kg
105-67-9	2,4-Dimethylphenol	1400		64.7	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1500		30.8	170	ug/Kg
120-83-2	2,4-Dichlorophenol	1400		28.3	170	ug/Kg
91-20-3	Naphthalene	1500		22.7	170	ug/Kg
106-47-8	4-Chloroaniline	560		35.4	170	ug/Kg
87-68-3	Hexachlorobutadiene	1500		25.3	170	ug/Kg
105-60-2	Caprolactam	1400		52.0	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1400		28.7	170	ug/Kg
91-57-6	2-Methylnaphthalene	1400		25.6	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	3400	E	120	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1500		19.8	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1500		29.1	170	ug/Kg
92-52-4	1,1-Biphenyl	1500		21.8	170	ug/Kg
91-58-7	2-Chloronaphthalene	1500		22.5	170	ug/Kg
88-74-4	2-Nitroaniline	1400		48.1	170	ug/Kg
131-11-3	Dimethylphthalate	1500		27.1	170	ug/Kg

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Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	
Project:	190 Park Ave Hanover Twp NJ - PO 3556-001	Date Received:	
Client Sample ID:	PB168601BS	SDG No.:	Q2393
Lab Sample ID:	PB168601BS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142839.D	1	06/24/25 13:00	06/25/25 15:57	PB168601

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	1500		28.9	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1500		33.6	170	ug/Kg
99-09-2	3-Nitroaniline	750		46.0	170	ug/Kg
83-32-9	Acenaphthene	1600		21.3	170	ug/Kg
51-28-5	2,4-Dinitrophenol	3200	E	230	330	ug/Kg
100-02-7	4-Nitrophenol	2800	E	110	330	ug/Kg
132-64-9	Dibenzofuran	1500		22.7	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	1500		50.0	170	ug/Kg
84-66-2	Diethylphthalate	1500		28.3	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1500		26.7	170	ug/Kg
86-73-7	Fluorene	1400		25.3	170	ug/Kg
100-01-6	4-Nitroaniline	1400		64.1	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1600		100	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1600		32.9	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1600		27.8	170	ug/Kg
118-74-1	Hexachlorobenzene	1600		25.3	170	ug/Kg
1912-24-9	Atrazine	1700		34.0	170	ug/Kg
87-86-5	Pentachlorophenol	3100	E	51.2	330	ug/Kg
85-01-8	Phenanthrene	1500		20.9	170	ug/Kg
120-12-7	Anthracene	1500		33.3	170	ug/Kg
86-74-8	Carbazole	1500		31.2	170	ug/Kg
84-74-2	Di-n-butylphthalate	1700		47.9	170	ug/Kg
206-44-0	Fluoranthene	1600		30.0	170	ug/Kg
129-00-0	Pyrene	1200		36.0	170	ug/Kg
85-68-7	Butylbenzylphthalate	1800		71.3	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	660		36.7	330	ug/Kg
56-55-3	Benzo(a)anthracene	1500		23.0	170	ug/Kg
218-01-9	Chrysene	1500		19.9	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1800		59.1	170	ug/Kg
117-84-0	Di-n-octyl phthalate	1800		86.7	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1600		19.0	170	ug/Kg

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Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	
Project:	190 Park Ave Hanover Twp NJ - PO 3556-001	Date Received:	
Client Sample ID:	PB168601BS	SDG No.:	Q2393
Lab Sample ID:	PB168601BS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142839.D	1	06/24/25 13:00	06/25/25 15:57	PB168601

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1600		22.4	170	ug/Kg
50-32-8	Benzo(a)pyrene	1600		29.5	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1400		29.1	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1400		27.4	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1400		25.7	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1600		25.6	170	ug/Kg
123-91-1	1,4-Dioxane	1200		45.2	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1500		27.4	170	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	118		18 - 112	79%	SPK: 150
13127-88-3	Phenol-d6	114		15 - 107	76%	SPK: 150
4165-60-0	Nitrobenzene-d5	77.1		18 - 107	77%	SPK: 100
321-60-8	2-Fluorobiphenyl	78.8		20 - 109	79%	SPK: 100
118-79-6	2,4,6-Tribromophenol	118		10 - 116	79%	SPK: 150
1718-51-0	Terphenyl-d14	62.0		10 - 105	62%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	75800	6.875			
1146-65-2	Naphthalene-d8	275000	8.163			
15067-26-2	Acenaphthene-d10	133000	9.922			
1517-22-2	Phenanthrene-d10	201000	11.41			
1719-03-5	Chrysene-d12	147000	14.057			
1520-96-3	Perylene-d12	184000	15.545			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
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
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 3556-001	Date Received:	06/23/25
Client Sample ID:	MH-K/LMS	SDG No.:	Q2393
Lab Sample ID:	Q2394-01MS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.3
Sample Wt/Vol:	50.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142843.D	1	06/24/25 13:00	06/25/25 18:04	PB168601

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	850		110	230	ug/Kg
108-95-2	Phenol	910		15.3	120	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	930		16.9	120	ug/Kg
95-57-8	2-Chlorophenol	940		16.9	120	ug/Kg
95-48-7	2-Methylphenol	930		20.8	120	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	900		26.0	120	ug/Kg
98-86-2	Acetophenone	950		20.5	120	ug/Kg
65794-96-9	3+4-Methylphenols	940		28.5	230	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	950		32.9	55.6	ug/Kg
67-72-1	Hexachloroethane	920		12.2	120	ug/Kg
98-95-3	Nitrobenzene	950		12.7	120	ug/Kg
78-59-1	Isophorone	940		22.8	120	ug/Kg
88-75-5	2-Nitrophenol	990		40.4	120	ug/Kg
105-67-9	2,4-Dimethylphenol	930		45.0	120	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	950		21.4	120	ug/Kg
120-83-2	2,4-Dichlorophenol	950		19.7	120	ug/Kg
91-20-3	Naphthalene	950		15.8	120	ug/Kg
106-47-8	4-Chloroaniline	270		24.6	120	ug/Kg
87-68-3	Hexachlorobutadiene	950		17.6	120	ug/Kg
105-60-2	Caprolactam	950		36.2	230	ug/Kg
59-50-7	4-Chloro-3-methylphenol	910		19.9	120	ug/Kg
91-57-6	2-Methylnaphthalene	940		17.8	120	ug/Kg
77-47-4	Hexachlorocyclopentadiene	1800		80.6	230	ug/Kg
88-06-2	2,4,6-Trichlorophenol	950		13.8	120	ug/Kg
95-95-4	2,4,5-Trichlorophenol	940		20.2	120	ug/Kg
92-52-4	1,1-Biphenyl	970		15.1	120	ug/Kg
91-58-7	2-Chloronaphthalene	960		15.6	120	ug/Kg
88-74-4	2-Nitroaniline	920		33.4	120	ug/Kg
131-11-3	Dimethylphthalate	970		18.8	120	ug/Kg

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

Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 3556-001	Date Received:	06/23/25
Client Sample ID:	MH-K/LMS	SDG No.:	Q2393
Lab Sample ID:	Q2394-01MS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.3
Sample Wt/Vol:	50.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142843.D	1	06/24/25 13:00	06/25/25 18:04	PB168601

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	940		20.1	120	ug/Kg
606-20-2	2,6-Dinitrotoluene	960		23.3	120	ug/Kg
99-09-2	3-Nitroaniline	480		31.9	120	ug/Kg
83-32-9	Acenaphthene	1000		14.8	120	ug/Kg
51-28-5	2,4-Dinitrophenol	1600		160	230	ug/Kg
100-02-7	4-Nitrophenol	1500		74.3	230	ug/Kg
132-64-9	Dibenzofuran	920		15.8	120	ug/Kg
121-14-2	2,4-Dinitrotoluene	910		34.8	120	ug/Kg
84-66-2	Diethylphthalate	950		19.7	120	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	920		18.5	120	ug/Kg
86-73-7	Fluorene	900		17.6	120	ug/Kg
100-01-6	4-Nitroaniline	800		44.6	120	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	950		71.5	230	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1100		22.9	120	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1100		19.3	120	ug/Kg
118-74-1	Hexachlorobenzene	1000		17.6	120	ug/Kg
1912-24-9	Atrazine	1100		23.6	120	ug/Kg
87-86-5	Pentachlorophenol	1700		35.6	230	ug/Kg
85-01-8	Phenanthrene	950		14.5	120	ug/Kg
120-12-7	Anthracene	940		23.1	120	ug/Kg
86-74-8	Carbazole	860		21.7	120	ug/Kg
84-74-2	Di-n-butylphthalate	1000		33.3	120	ug/Kg
206-44-0	Fluoranthene	830		20.8	120	ug/Kg
129-00-0	Pyrene	620		25.0	120	ug/Kg
85-68-7	Butylbenzylphthalate	930		49.6	120	ug/Kg
91-94-1	3,3-Dichlorobenzidine	380		25.5	230	ug/Kg
56-55-3	Benzo(a)anthracene	960		16.0	120	ug/Kg
218-01-9	Chrysene	990		13.8	120	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1000		41.1	120	ug/Kg
117-84-0	Di-n-octyl phthalate	1000		60.3	230	ug/Kg
205-99-2	Benzo(b)fluoranthene	1000		13.2	120	ug/Kg

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Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 3556-001	Date Received:	06/23/25
Client Sample ID:	MH-K/LMS	SDG No.:	Q2393
Lab Sample ID:	Q2394-01MS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.3
Sample Wt/Vol:	50.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142843.D	1	06/24/25 13:00	06/25/25 18:04	PB168601

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1000		15.6	120	ug/Kg
50-32-8	Benzo(a)pyrene	1000		20.5	120	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	560		20.2	120	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	570		19.0	120	ug/Kg
191-24-2	Benzo(g,h,i)perylene	490		17.9	120	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	980		17.8	120	ug/Kg
123-91-1	1,4-Dioxane	820		31.4	120	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	870		19.0	120	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	94.0		18 - 112	63%	SPK: 150
13127-88-3	Phenol-d6	95.7		15 - 107	64%	SPK: 150
4165-60-0	Nitrobenzene-d5	60.3		18 - 107	60%	SPK: 100
321-60-8	2-Fluorobiphenyl	58.9		20 - 109	59%	SPK: 100
118-79-6	2,4,6-Tribromophenol	88.4		10 - 116	59%	SPK: 150
1718-51-0	Terphenyl-d14	38.6		10 - 105	39%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	88500	6.875			
1146-65-2	Naphthalene-d8	329000	8.163			
15067-26-2	Acenaphthene-d10	166000	9.922			
1517-22-2	Phenanthrene-d10	228000	11.41			
1719-03-5	Chrysene-d12	166000	14.057			
1520-96-3	Perylene-d12	198000	15.545			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
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
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 3556-001	Date Received:	06/23/25
Client Sample ID:	MH-K/LMSD	SDG No.:	Q2393
Lab Sample ID:	Q2394-01MSD	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.3
Sample Wt/Vol:	50.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142844.D	1	06/24/25 13:00	06/25/25 18:35	PB168601

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	900		110	230	ug/Kg
108-95-2	Phenol	950		15.3	120	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1000		16.9	120	ug/Kg
95-57-8	2-Chlorophenol	990		16.9	120	ug/Kg
95-48-7	2-Methylphenol	980		20.8	120	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	950		26.0	120	ug/Kg
98-86-2	Acetophenone	1000		20.5	120	ug/Kg
65794-96-9	3+4-Methylphenols	980		28.5	230	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	990		32.9	55.5	ug/Kg
67-72-1	Hexachloroethane	990		12.2	120	ug/Kg
98-95-3	Nitrobenzene	990		12.7	120	ug/Kg
78-59-1	Isophorone	990		22.8	120	ug/Kg
88-75-5	2-Nitrophenol	1100		40.4	120	ug/Kg
105-67-9	2,4-Dimethylphenol	970		45.0	120	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1000		21.4	120	ug/Kg
120-83-2	2,4-Dichlorophenol	990		19.6	120	ug/Kg
91-20-3	Naphthalene	980		15.8	120	ug/Kg
106-47-8	4-Chloroaniline	270		24.6	120	ug/Kg
87-68-3	Hexachlorobutadiene	990		17.6	120	ug/Kg
105-60-2	Caprolactam	990		36.2	230	ug/Kg
59-50-7	4-Chloro-3-methylphenol	970		19.9	120	ug/Kg
91-57-6	2-Methylnaphthalene	990		17.8	120	ug/Kg
77-47-4	Hexachlorocyclopentadiene	1900	E	80.5	230	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1000		13.7	120	ug/Kg
95-95-4	2,4,5-Trichlorophenol	990		20.2	120	ug/Kg
92-52-4	1,1-Biphenyl	1000		15.1	120	ug/Kg
91-58-7	2-Chloronaphthalene	1000		15.6	120	ug/Kg
88-74-4	2-Nitroaniline	990		33.4	120	ug/Kg
131-11-3	Dimethylphthalate	1000		18.8	120	ug/Kg

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Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 3556-001	Date Received:	06/23/25
Client Sample ID:	MH-K/LMSD	SDG No.:	Q2393
Lab Sample ID:	Q2394-01MSD	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.3
Sample Wt/Vol:	50.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142844.D	1	06/24/25 13:00	06/25/25 18:35	PB168601

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	990		20.1	120	ug/Kg
606-20-2	2,6-Dinitrotoluene	1000		23.3	120	ug/Kg
99-09-2	3-Nitroaniline	470		31.9	120	ug/Kg
83-32-9	Acenaphthene	1000		14.8	120	ug/Kg
51-28-5	2,4-Dinitrophenol	1600		160	230	ug/Kg
100-02-7	4-Nitrophenol	1600		74.3	230	ug/Kg
132-64-9	Dibenzofuran	970		15.8	120	ug/Kg
121-14-2	2,4-Dinitrotoluene	960		34.8	120	ug/Kg
84-66-2	Diethylphthalate	1000		19.6	120	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	970		18.5	120	ug/Kg
86-73-7	Fluorene	940		17.6	120	ug/Kg
100-01-6	4-Nitroaniline	830		44.6	120	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1000		71.5	230	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1100		22.8	120	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1200		19.3	120	ug/Kg
118-74-1	Hexachlorobenzene	1100		17.6	120	ug/Kg
1912-24-9	Atrazine	1100		23.6	120	ug/Kg
87-86-5	Pentachlorophenol	1800		35.6	230	ug/Kg
85-01-8	Phenanthrene	1000		14.5	120	ug/Kg
120-12-7	Anthracene	1000		23.1	120	ug/Kg
86-74-8	Carbazole	920		21.7	120	ug/Kg
84-74-2	Di-n-butylphthalate	1100		33.3	120	ug/Kg
206-44-0	Fluoranthene	890		20.8	120	ug/Kg
129-00-0	Pyrene	650		25.0	120	ug/Kg
85-68-7	Butylbenzylphthalate	980		49.6	120	ug/Kg
91-94-1	3,3-Dichlorobenzidine	390		25.5	230	ug/Kg
56-55-3	Benzo(a)anthracene	1000		16.0	120	ug/Kg
218-01-9	Chrysene	1000		13.8	120	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1100		41.1	120	ug/Kg
117-84-0	Di-n-octyl phthalate	1100		60.3	230	ug/Kg
205-99-2	Benzo(b)fluoranthene	1100		13.2	120	ug/Kg

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Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 3556-001	Date Received:	06/23/25
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Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142844.D	1	06/24/25 13:00	06/25/25 18:35	PB168601

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1100		15.6	120	ug/Kg
50-32-8	Benzo(a)pyrene	1000		20.5	120	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	580		20.2	120	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	580		19.0	120	ug/Kg
191-24-2	Benzo(g,h,i)perylene	500		17.8	120	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1000		17.8	120	ug/Kg
123-91-1	1,4-Dioxane	860		31.4	120	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	900		19.0	120	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	97.9		18 - 112	65%	SPK: 150
13127-88-3	Phenol-d6	101		15 - 107	67%	SPK: 150
4165-60-0	Nitrobenzene-d5	63.6		18 - 107	64%	SPK: 100
321-60-8	2-Fluorobiphenyl	63.1		20 - 109	63%	SPK: 100
118-79-6	2,4,6-Tribromophenol	91.8		10 - 116	61%	SPK: 150
1718-51-0	Terphenyl-d14	39.9		10 - 105	40%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	86800	6.875			
1146-65-2	Naphthalene-d8	327000	8.163			
15067-26-2	Acenaphthene-d10	162000	9.922			
1517-22-2	Phenanthrene-d10	217000	11.41			
1719-03-5	Chrysene-d12	166000	14.057			
1520-96-3	Perylene-d12	195000	15.545			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
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
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

CALIBRATION SUMMARY

Response Factor Report BNA_F

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF061925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Fri Jun 20 05:06:14 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BF142788.D 5 =BF142789.D 10 =BF142790.D 20 =BF142791.D 40 =BF142792.D 50 =BF142793.D 60 =BF142794.D 80 =BF1427
95.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.479	0.499	0.471	0.461	0.509	0.479	0.467	0.480	3.60
3)		Pyridine		1.190	1.195	1.190	1.164	1.303	1.209	1.181	1.205	3.78
4)		n-Nitrosodimet...			0.610	0.617	0.596	0.668	0.632	0.614	0.623	3.98
5)	S	2-Fluorophenol		2.475	2.460	2.460	2.299	2.525	2.342	2.256	2.403	4.26
6)		Aniline		1.951	1.944	1.891	1.818	1.982	1.869	1.746	1.886	4.41
7)	S	Phenol-d6		3.024	2.962	2.846	2.681	2.959	2.760	2.610	2.834	5.53
8)		2-Chlorophenol		1.362	1.303	1.292	1.245	1.366	1.272	1.231	1.296	4.08
9)		Benzaldehyde			0.988	0.943	0.757	0.832	0.684		0.841	15.02
10)	C	Phenol		1.648	1.653	1.591	1.516	1.651	1.530	1.437	1.575	5.31
11)		bis(2-Chloroet...		1.167	1.133	1.134	1.072	1.183	1.116	1.077	1.126	3.71
12)		1,3-Dichlorobe...		1.536	1.499	1.470	1.377	1.500	1.414	1.348	1.449	4.85
13)	C	1,4-Dichlorobe...		1.563	1.496	1.472	1.409	1.523	1.425	1.347	1.462	5.04
14)		1,2-Dichlorobe...		1.458	1.422	1.409	1.331	1.451	1.353	1.284	1.387	4.72
15)		Benzyl Alcohol			1.023	1.025	0.976	1.106	1.032	0.985	1.025	4.51
16)		2,2'-oxybis(1-...		1.975	1.869	1.815	1.723	1.879	1.758	1.644	1.809	6.12
17)		2-Methylphenol		1.015	0.997	0.980	0.938	1.043	0.972	0.929	0.982	4.13
18)		Hexachloroethane		0.533	0.521	0.507	0.499	0.539	0.498	0.484	0.511	3.89
19)	P	n-Nitroso-di-n...	0.831	0.879	0.840	0.833	0.787	0.847	0.812	0.766	0.824	4.30
20)		3+4-Methylphenols			1.292	1.262	1.176	1.312	1.197	1.108	1.224	6.36
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.464	0.451	0.459	0.418	0.461	0.428	0.406	0.441	5.28
23)	S	Nitrobenzene-d5		0.738	0.724	0.747	0.708	0.771	0.724	0.694	0.729	3.48
24)		Nitrobenzene		0.345	0.325	0.332	0.319	0.349	0.326	0.314	0.330	3.88
25)		Isophorone		0.611	0.582	0.592	0.555	0.616	0.584	0.554	0.585	4.17
26)	C	2-Nitrophenol		0.169	0.172	0.182	0.178	0.194	0.186	0.176	0.180	4.85
27)		2,4-Dimethylph...		0.322	0.310	0.318	0.300	0.329	0.307	0.294	0.311	3.99
28)		bis(2-Chloroet...		0.386	0.373	0.383	0.355	0.390	0.366	0.351	0.372	4.09
29)	C	2,4-Dichloroph...		0.291	0.280	0.290	0.273	0.298	0.277	0.268	0.282	3.77
30)		1,2,4-Trichlor...		0.324	0.316	0.318	0.299	0.324	0.301	0.292	0.310	4.26
31)		Naphthalene		1.051	1.002	1.004	0.934	1.017	0.943	0.902	0.979	5.46
32)		Benzoic acid			0.118	0.147	0.157	0.181	0.180	0.169	0.159	15.08
33)		4-Chloroaniline		0.414	0.408	0.409	0.379	0.421	0.393	0.363	0.398	5.26
34)	C	Hexachlorobuta...		0.195	0.188	0.198	0.184	0.200	0.184	0.179	0.190	4.30
35)		Caprolactam			0.073	0.075	0.072	0.081	0.078	0.069	0.075	5.84
36)	C	4-Chloro-3-met...		0.300	0.275	0.286	0.269	0.298	0.278	0.260	0.281	5.24
37)		2-Methylnaphth...		0.655	0.621	0.629	0.579	0.631	0.583	0.550	0.607	6.12
38)		1-Methylnaphth...		0.684	0.645	0.650	0.598	0.654	0.604	0.563	0.628	6.56

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF061925.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.626	0.609	0.602	0.557	0.598	0.577	0.563	0.590	4.27
41)	P	Hexachlorocycl...		0.235	0.308	0.336	0.365	0.376	0.389	0.335	17.02
42)	S	2,4,6-Tribromo...	0.415	0.414	0.428	0.400	0.438	0.411	0.374	0.412	4.96
43)	C	2,4,6-Trichlor...	0.385	0.380	0.394	0.365	0.408	0.389	0.371	0.385	3.71
44)		2,4,5-Trichlor...	0.407	0.403	0.421	0.391	0.416	0.407	0.388	0.405	2.95
45)	S	2-Fluorobiphenyl	3.480	3.272	3.184	2.861	2.999	2.816	2.702	3.045	9.15
46)		1,1'-Biphenyl	1.701	1.616	1.637	1.505	1.609	1.525	1.466	1.580	5.27
47)		2-Chloronaphth...	1.300	1.202	1.208	1.129	1.209	1.145	1.106	1.186	5.50
48)		2-Nitroaniline	0.321	0.329	0.337	0.324	0.358	0.337	0.320	0.332	3.93
49)		Acenaphthylene	2.110	2.006	2.011	1.861	1.995	1.891	1.787	1.952	5.64
50)		Dimethylphthalate	1.372	1.334	1.330	1.228	1.335	1.277	1.186	1.295	5.17
51)		2,6-Dinitrotol...	0.297	0.279	0.290	0.277	0.294	0.284	0.268	0.284	3.57
52)	C	Acenaphthene	1.247	1.199	1.241	1.142	1.228	1.172	1.107	1.191	4.44
53)		3-Nitroaniline	0.311	0.311	0.316	0.302	0.338	0.320	0.292	0.313	4.52
54)	P	2,4-Dinitrophenol		0.095	0.129	0.142	0.173	0.163	0.152	0.142	19.61
55)		Dibenzofuran	1.844	1.772	1.763	1.626	1.752	1.660	1.537	1.708	6.13
56)	P	4-Nitrophenol		0.189	0.218	0.208	0.238	0.229	0.203	0.214	8.25
57)		2,4-Dinitrotol...	0.373	0.378	0.397	0.367	0.407	0.383	0.338	0.378	5.90
58)		Fluorene	1.464	1.412	1.395	1.260	1.362	1.260	1.183	1.334	7.58
59)		2,3,4,6-Tetrac...	0.327	0.327	0.339	0.312	0.345	0.331	0.304	0.326	4.43
60)		Diethylphthalate	1.328	1.302	1.319	1.211	1.318	1.266	1.141	1.269	5.50
61)		4-Chlorophenyl...	0.713	0.656	0.669	0.599	0.640	0.609	0.568	0.636	7.64
62)		4-Nitroaniline	0.279	0.276	0.297	0.272	0.316	0.300	0.264	0.286	6.48
63)		Azobenzene	1.215	1.149	1.167	1.081	1.176	1.122	1.032	1.134	5.47
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.099	0.119	0.119	0.134	0.130	0.125	0.121	10.04
66)	c	n-Nitrosodiphe...	0.736	0.686	0.710	0.670	0.717	0.671	0.662	0.693	4.07
67)		4-Bromophenyl-...	0.231	0.221	0.235	0.218	0.236	0.228	0.225	0.228	3.03
68)		Hexachlorobenzene	0.263	0.248	0.257	0.241	0.262	0.252	0.247	0.253	3.29
69)		Atrazine	0.176	0.172	0.180	0.174	0.195	0.183	0.174	0.179	4.48
70)	C	Pentachlorophenol		0.102	0.119	0.125	0.142	0.135	0.133	0.126	11.30
71)		Phenanthrene	1.183	1.113	1.115	1.031	1.122	1.028	0.992	1.083	6.24
72)		Anthracene	1.226	1.123	1.149	1.064	1.140	1.065	1.011	1.111	6.35
73)		Carbazole	1.040	0.986	0.999	0.900	1.002	0.920	0.866	0.959	6.67
74)		Di-n-butylphth...	0.997	1.006	1.045	0.946	1.073	0.989	0.936	0.999	4.92
75)	C	Fluoranthene	1.136	1.088	1.090	0.954	1.059	0.972	0.899	1.028	8.44
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine		0.745	0.860	0.773	0.824	0.719	0.587	0.751	12.71
78)		Pyrene	2.110	1.940	1.968	1.742	2.030	1.863	1.468	1.875	11.43
79)	S	Terphenyl-d14	3.383	3.111	3.066	2.655	3.070	2.772	2.208	2.895	13.30
80)		Butylbenzylpht...	0.478	0.470	0.538	0.547	0.613	0.597	0.563	0.544	10.01
81)		Benzo(a)anthra...	1.392	1.358	1.366	1.265	1.403	1.376	1.284	1.349	3.98
82)		3,3'-Dichlorob...		0.398	0.440	0.429	0.476	0.445	0.438	0.438	5.73
83)		Chrysene	1.243	1.191	1.208	1.164	1.295	1.177	1.150	1.204	4.17
84)		Bis(2-ethylhex...	0.650	0.675	0.767	0.803	0.861	0.843	0.878	0.782	11.52
85)	c	Di-n-octyl pht...		1.207	1.352	1.463	1.610	1.569	1.651	1.475	11.54

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF061925.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.528	1.488	1.545	1.474	1.648	1.539	1.442	1.523	4.38
88)		Benzo(b)fluora...	1.164	1.220	1.226	1.072	1.152	1.197	1.070	1.157	5.61
89)		Benzo(k)fluora...	1.206	1.004	1.035	1.037	1.193	1.038	1.068	1.083	7.55
90)	C	Benzo(a)pyrene	1.142	1.065	1.124	1.069	1.201	1.141	1.084	1.118	4.37
91)		Dibenzo(a,h)an...	1.249	1.214	1.293	1.180	1.337	1.240	1.152	1.238	5.13
92)		Benzo(g,h,i)pe...	1.239	1.198	1.266	1.188	1.332	1.255	1.161	1.234	4.66

(#) = Out of Range

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: UNIO02

Lab Code: CHEM Case No.: Q2393 SAS No.: Q2393 SDG No.: Q2393

Instrument ID: BNA_F Calibration Date/Time: 06/24/2025 10:16

Lab File ID: BF142811.D Init. Calib. Date(s): 06/19/2025 06/19/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 17:07 20:40

GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.201	1.291		7.5	
Benzaldehyde	0.841	0.794		-5.6	
Phenol-d6	1.417	1.525		7.6	
Phenol	1.575	1.704		8.2	20.0
bis(2-Chloroethyl)ether	1.126	1.218		8.2	
2-Chlorophenol	1.296	1.398		7.9	
2-Methylphenol	0.982	1.064		8.4	
2,2-oxybis(1-Chloropropane)	1.809	1.882		4.0	
Acetophenone	0.441	0.464		5.2	
3+4-Methylphenols	1.224	1.330		8.7	
n-Nitroso-di-n-propylamine	0.824	0.878	0.050	6.6	
Nitrobenzene-d5	0.365	0.392		7.4	
Hexachloroethane	0.511	0.538		5.3	
Nitrobenzene	0.330	0.354		7.3	
Isophorone	0.585	0.629		7.5	
2-Nitrophenol	0.180	0.200		11.1	20.0
2,4-Dimethylphenol	0.311	0.334		7.4	
bis(2-Chloroethoxy)methane	0.372	0.395		6.2	
2,4-Dichlorophenol	0.282	0.303		7.4	20.0
Naphthalene	0.979	1.037		5.9	
4-Chloroaniline	0.398	0.430		8.0	
Hexachlorobutadiene	0.190	0.198		4.2	20.0
Caprolactam	0.075	0.089		18.7	
4-Chloro-3-methylphenol	0.281	0.306		8.9	20.0
2-Methylnaphthalene	0.607	0.642		5.8	
Hexachlorocyclopentadiene	0.335	0.363	0.050	8.4	
2,4,6-Trichlorophenol	0.385	0.402		4.4	20.0
2-Fluorobiphenyl	1.522	1.513		-0.6	
2,4,5-Trichlorophenol	0.405	0.431		6.4	
1,1-Biphenyl	1.580	1.627		3.0	
2-Chloronaphthalene	1.186	1.226		3.4	
2-Nitroaniline	0.332	0.365		9.9	
Dimethylphthalate	1.295	1.370		5.8	
Acenaphthylene	1.952	2.032		4.1	
2,6-Dinitrotoluene	0.284	0.307		8.1	
3-Nitroaniline	0.313	0.349		11.5	
Acenaphthene	1.191	1.256		5.5	20.0
2,4-Dinitrophenol	0.142	0.166	0.050	16.9	
4-Nitrophenol	0.214	0.246	0.050	15.0	

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: UNIO02

Lab Code: CHEM Case No.: Q2393 SAS No.: Q2393 SDG No.: Q2393

Instrument ID: BNA_F Calibration Date/Time: 06/24/2025 10:16

Lab File ID: BF142811.D Init. Calib. Date(s): 06/19/2025 06/19/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 17:07 20:40

GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.708	1.783		4.4	
2,4-Dinitrotoluene	0.378	0.420		11.1	
Diethylphthalate	1.269	1.361		7.3	
4-Chlorophenyl-phenylether	0.636	0.648		1.9	
Fluorene	1.334	1.373		2.9	
4-Nitroaniline	0.286	0.329		15.0	
4,6-Dinitro-2-methylphenol	0.121	0.138		14.1	
n-Nitrosodiphenylamine	0.693	0.711		2.6	20.0
2,4,6-Tribromophenol	0.206	0.220		6.8	
4-Bromophenyl-phenylether	0.228	0.240		5.3	
Hexachlorobenzene	0.253	0.264		4.3	
Atrazine	0.179	0.199		11.2	
Pentachlorophenol	0.126	0.142		12.7	20.0
Phenanthrene	1.083	1.122		3.6	
Anthracene	1.111	1.145		3.1	
Carbazole	0.959	1.009		5.2	
Di-n-butylphthalate	0.999	1.075		7.6	
Fluoranthene	1.028	1.044		1.6	20.0
Pyrene	1.875	1.902		1.4	
Terphenyl-d14	1.447	1.406		-2.8	
Butylbenzylphthalate	0.544	0.587		7.9	
3,3-Dichlorobenzidine	0.438	0.472		7.8	
Benzo(a)anthracene	1.349	1.414		4.8	
Chrysene	1.204	1.284		6.6	
Bis(2-ethylhexyl)phthalate	0.782	0.826		5.6	
Di-n-octyl phthalate	1.475	1.519		3.0	20.0
Benzo(b)fluoranthene	1.157	1.271		9.9	
Benzo(k)fluoranthene	1.083	1.127		4.1	
Benzo(a)pyrene	1.118	1.198		7.2	20.0
Indeno(1,2,3-cd)pyrene	1.523	1.575		3.4	
Dibenzo(a,h)anthracene	1.238	1.269		2.5	
Benzo(g,h,i)perylene	1.234	1.268		2.8	
1,2,4,5-Tetrachlorobenzene	0.590	0.606		2.7	
1,4-Dioxane	0.480	0.520		8.3	20.0
2,3,4,6-Tetrachlorophenol	0.326	0.344		5.5	

All other compounds must meet a minimum RRF of 0.010.

Form VII SV-1

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: UNIO02

Lab Code: CHEM Case No.: Q2393 SAS No.: Q2393 SDG No.: Q2393

Instrument ID: BNA_F Calibration Date/Time: 06/25/2025 13:25

Lab File ID: BF142834.D Init. Calib. Date(s): 06/19/2025 06/19/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 17:07 20:40

GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.201	1.310		9.1	
Benzaldehyde	0.841	1.601		90.4	
Phenol-d6	1.417	1.498		5.7	
Phenol	1.575	1.609		2.2	20.0
bis(2-Chloroethyl)ether	1.126	1.187		5.4	
2-Chlorophenol	1.296	1.378		6.3	
2-Methylphenol	0.982	0.980		-0.2	
2,2-oxybis(1-Chloropropane)	1.809	1.824		0.8	
Acetophenone	0.441	0.485		10.0	
3+4-Methylphenols	1.224	1.248		2.0	
n-Nitroso-di-n-propylamine	0.824	0.810	0.050	-1.7	
Nitrobenzene-d5	0.365	0.429		17.5	
Hexachloroethane	0.511	0.536		4.9	
Nitrobenzene	0.330	0.360		9.1	
Isophorone	0.585	0.564		-3.6	
2-Nitrophenol	0.180	0.204		13.3	20.0
2,4-Dimethylphenol	0.311	0.255		-18.0	
bis(2-Chloroethoxy)methane	0.372	0.395		6.2	
2,4-Dichlorophenol	0.282	0.314		11.3	20.0
Naphthalene	0.979	1.102		12.6	
4-Chloroaniline	0.398	0.363		-8.8	
Hexachlorobutadiene	0.190	0.213		12.1	20.0
Caprolactam	0.075	0.076		1.3	
4-Chloro-3-methylphenol	0.281	0.297		5.7	20.0
2-Methylnaphthalene	0.607	0.706		16.3	
Hexachlorocyclopentadiene	0.335	0.399	0.050	19.1	
2,4,6-Trichlorophenol	0.385	0.433		12.5	20.0
2-Fluorobiphenyl	1.522	1.796		18.0	
2,4,5-Trichlorophenol	0.405	0.455		12.3	
1,1-Biphenyl	1.580	1.785		13.0	
2-Chloronaphthalene	1.186	1.311		10.5	
2-Nitroaniline	0.332	0.349		5.1	
Dimethylphthalate	1.295	1.402		8.3	
Acenaphthylene	1.952	2.014		3.2	
2,6-Dinitrotoluene	0.284	0.309		8.8	
3-Nitroaniline	0.313	0.321		2.6	
Acenaphthene	1.191	1.337		12.3	20.0
2,4-Dinitrophenol	0.142	0.160	0.050	12.7	
4-Nitrophenol	0.214	0.227	0.050	6.1	

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: UNIO02

Lab Code: CHEM Case No.: Q2393 SAS No.: Q2393 SDG No.: Q2393

Instrument ID: BNA_F Calibration Date/Time: 06/25/2025 13:25

Lab File ID: BF142834.D Init. Calib. Date(s): 06/19/2025 06/19/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 17:07 20:40

GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.708	1.910		11.8	
2,4-Dinitrotoluene	0.378	0.393		4.0	
Diethylphthalate	1.269	1.419		11.8	
4-Chlorophenyl-phenylether	0.636	0.688		8.2	
Fluorene	1.334	1.434		7.5	
4-Nitroaniline	0.286	0.307		7.3	
4,6-Dinitro-2-methylphenol	0.121	0.133		9.9	
n-Nitrosodiphenylamine	0.693	0.758		9.4	20.0
2,4,6-Tribromophenol	0.206	0.217		5.3	
4-Bromophenyl-phenylether	0.228	0.259		13.6	
Hexachlorobenzene	0.253	0.277		9.5	
Atrazine	0.179	0.201		12.3	
Pentachlorophenol	0.126	0.150		19.0	20.0
Phenanthrene	1.083	1.190		9.9	
Anthracene	1.111	1.171		5.4	
Carbazole	0.959	1.070		11.6	
Di-n-butylphthalate	0.999	1.304		30.5	
Fluoranthene	1.028	1.225		19.2	20.0
Pyrene	1.875	1.558		-16.9	
Terphenyl-d14	1.447	1.279		-11.6	
Butylbenzylphthalate	0.544	0.670		23.2	
3,3-Dichlorobenzidine	0.438	0.471		7.5	
Benzo(a)anthracene	1.349	1.494		10.7	
Chrysene	1.204	1.301		8.1	
Bis(2-ethylhexyl)phthalate	0.782	1.016		29.9	
Di-n-octyl phthalate	1.475	1.826		23.8	20.0
Benzo(b)fluoranthene	1.157	1.366		18.1	
Benzo(k)fluoranthene	1.083	1.131		4.4	
Benzo(a)pyrene	1.118	1.144		2.3	20.0
Indeno(1,2,3-cd)pyrene	1.523	1.533		0.7	
Dibenzo(a,h)anthracene	1.238	1.245		0.6	
Benzo(g,h,i)perylene	1.234	1.274		3.2	
1,2,4,5-Tetrachlorobenzene	0.590	0.700		18.6	
1,4-Dioxane	0.480	0.501		4.4	20.0
2,3,4,6-Tetrachlorophenol	0.326	0.363		11.4	

All other compounds must meet a minimum RRF of 0.010.

Form VII SV-1

SAMPLE RAW DATA

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062525\
Data File : BF142840.D
Acq On : 25 Jun 2025 16:32
Operator : RC/JU
Sample : Q2393-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PARK AVE -1

Quant Time: Jun 25 16:52:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

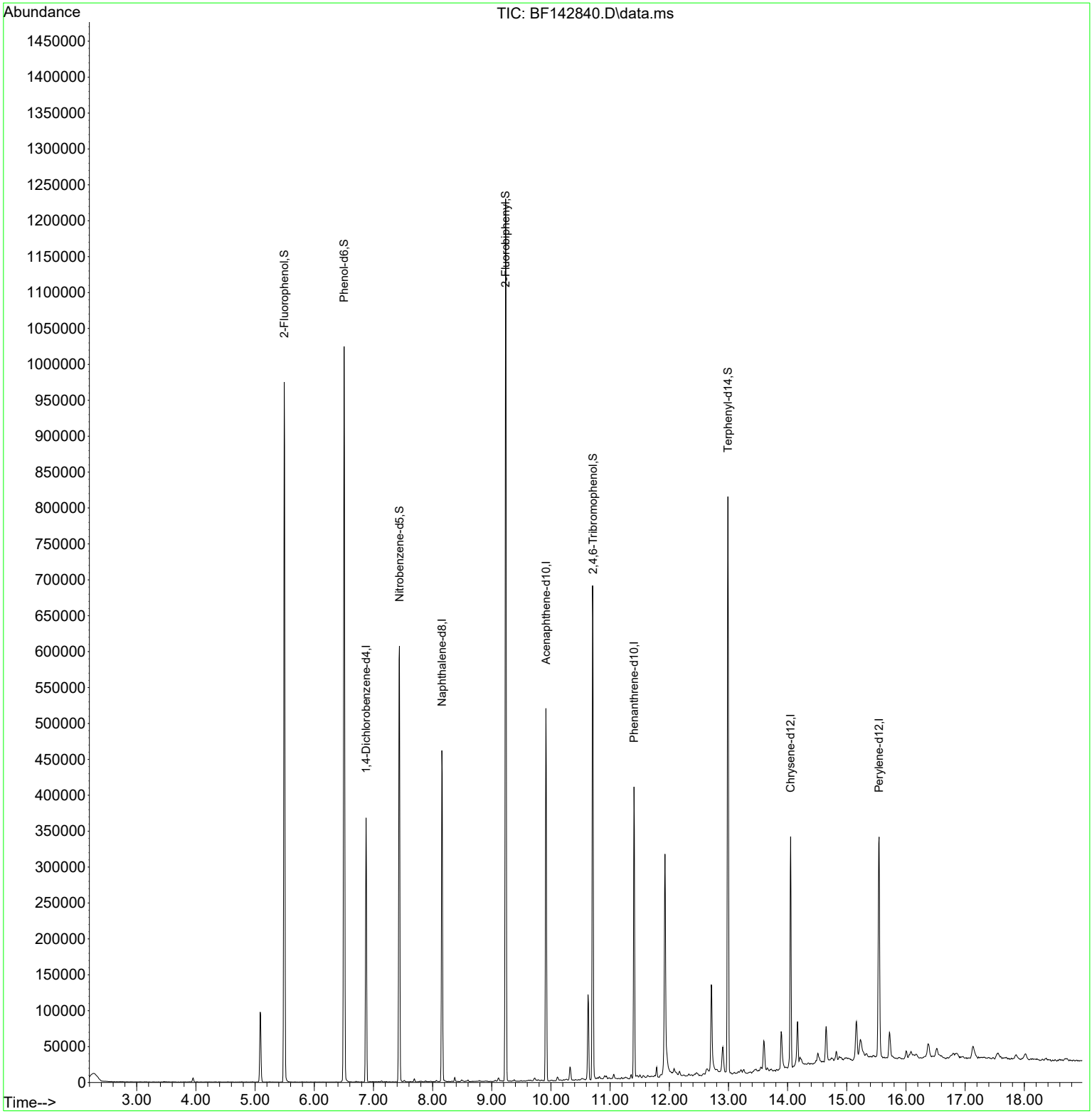
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	78743	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	299716	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	152673	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	208414	20.000	ng	0.00
76) Chrysene-d12	14.051	240	153326	20.000	ng	0.00
86) Perylene-d12	15.545	264	177028	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	370364	78.309	ng	0.00
7) Phenol-d6	6.504	99	470207	84.268	ng	0.00
23) Nitrobenzene-d5	7.439	82	265474	48.584	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	116049	73.864	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	541959	46.633	ng	-0.01
79) Terphenyl-d14	12.992	244	379288	34.180	ng	0.00
Target Compounds						Qvalue

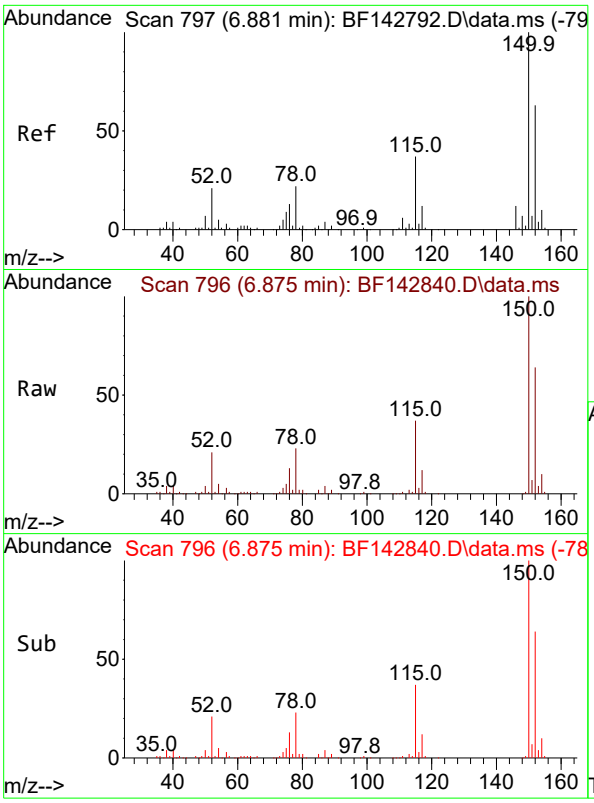
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062525\
Data File : BF142840.D
Acq On : 25 Jun 2025 16:32
Operator : RC/JU
Sample : Q2393-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PARK AVE -1

Quant Time: Jun 25 16:52:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration



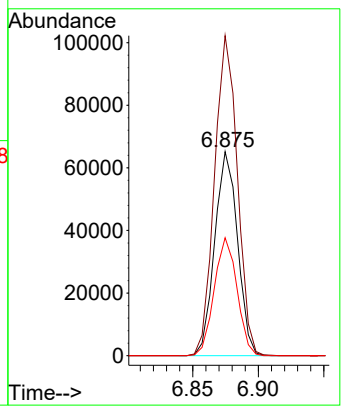


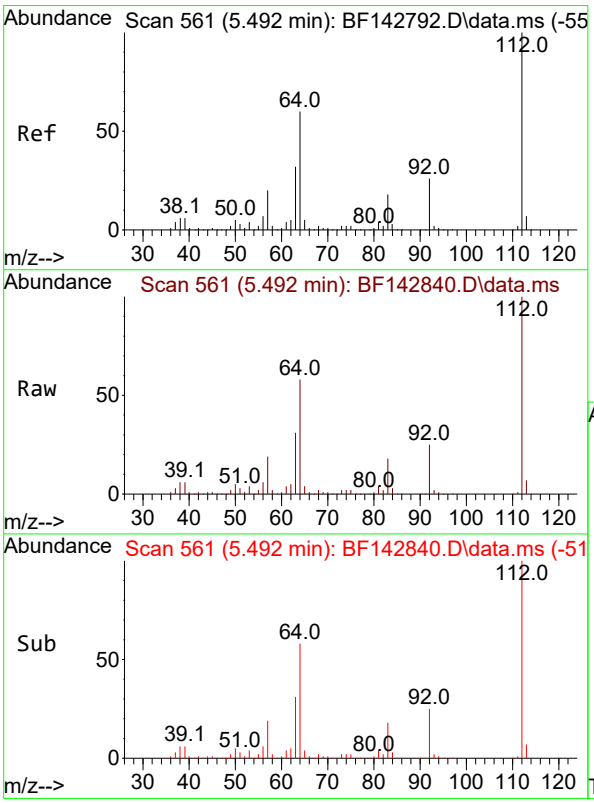
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142840.D
Acq: 25 Jun 2025 16:32

Instrument :
BNA_F
ClientSampleId :
PARK AVE -1

Tgt Ion:152 Resp: 78743

Ion	Ratio	Lower	Upper
152	100		
150	156.9	127.2	190.8
115	57.8	46.6	69.8

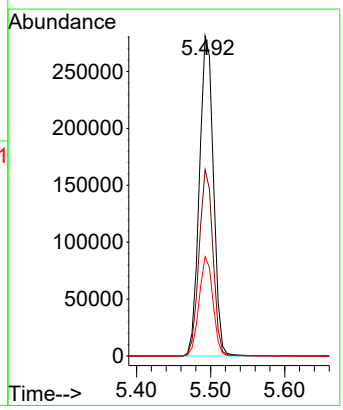


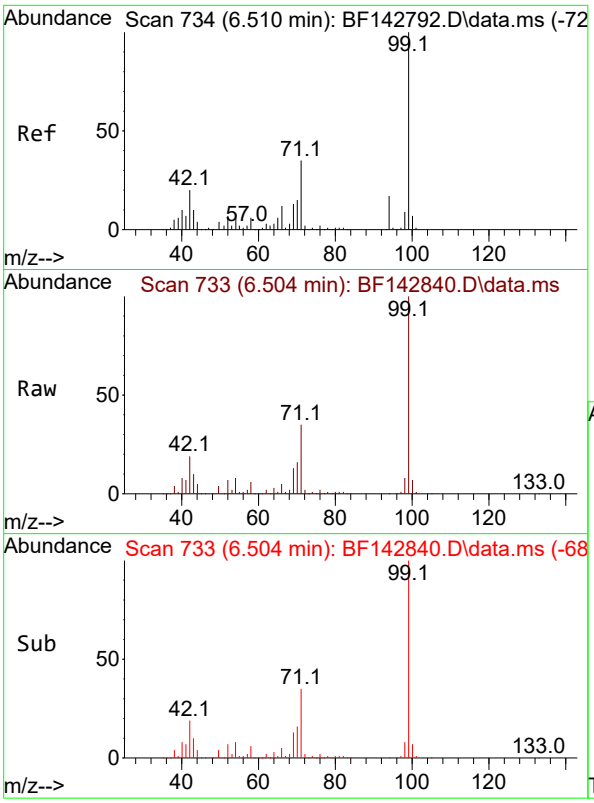


#5
2-Fluorophenol
Concen: 78.309 ng
RT: 5.492 min Scan# 561
Delta R.T. 0.000 min
Lab File: BF142840.D
Acq: 25 Jun 2025 16:32

Tgt Ion:112 Resp: 370364

Ion	Ratio	Lower	Upper
112	100		
64	58.2	48.2	72.2
63	31.0	25.7	38.5



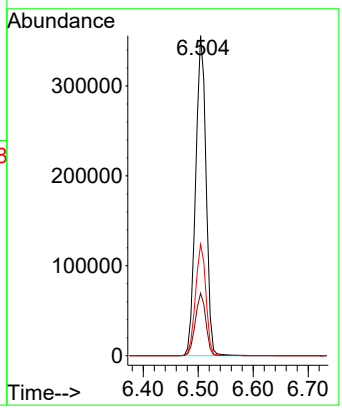


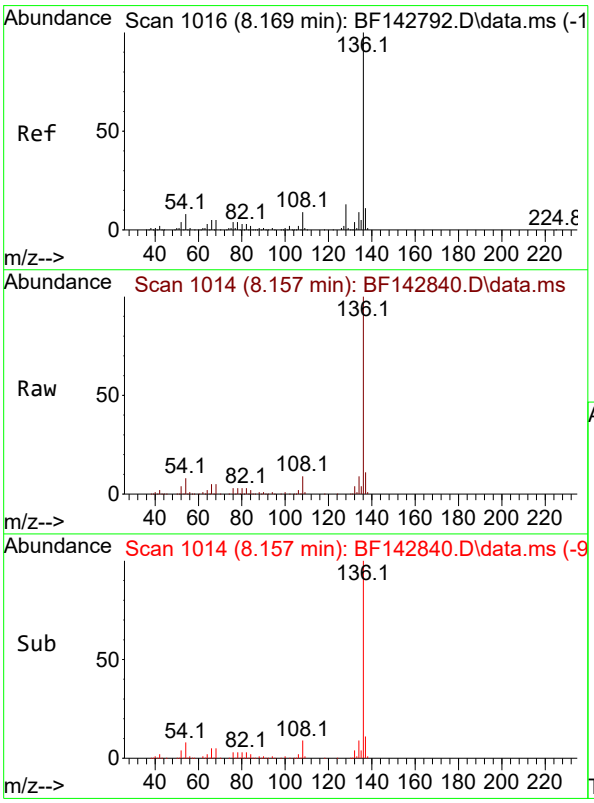
#7
Phenol-d6
Concen: 84.268 ng
RT: 6.504 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142840.D
Acq: 25 Jun 2025 16:32

Instrument :
BNA_F
ClientSampleId :
PARK AVE -1

Tgt Ion: 99 Resp: 470207

Ion	Ratio	Lower	Upper
99	100		
42	19.5	15.9	23.9
71	34.8	27.8	41.8

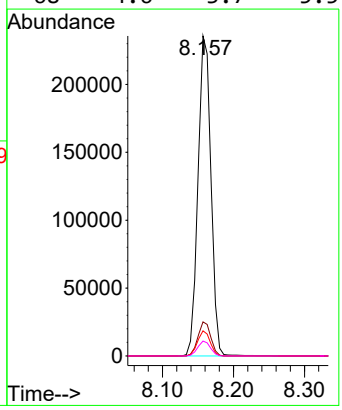


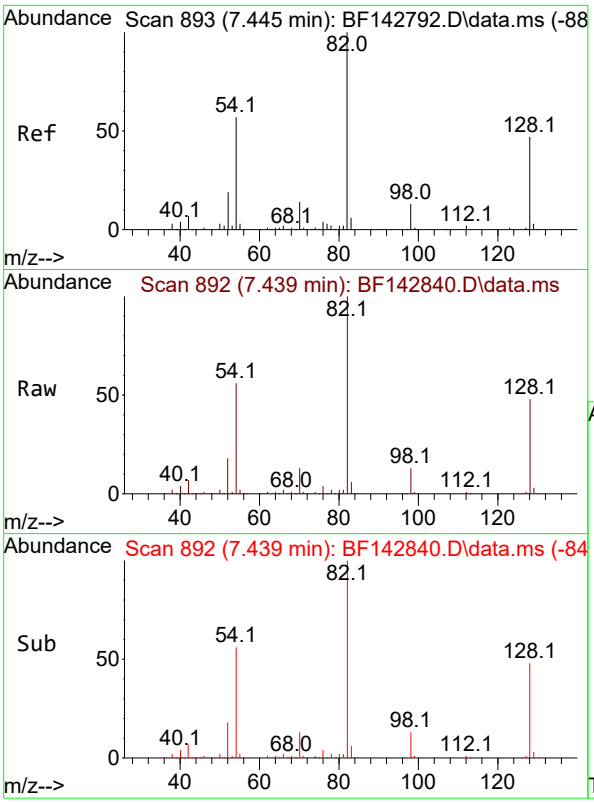


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF142840.D
Acq: 25 Jun 2025 16:32

Tgt Ion:136 Resp: 299716

Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.4	12.6
54	7.9	6.3	9.5
68	4.6	3.7	5.5



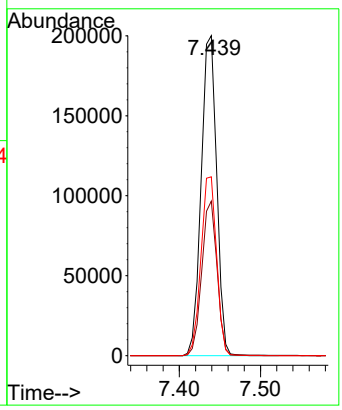


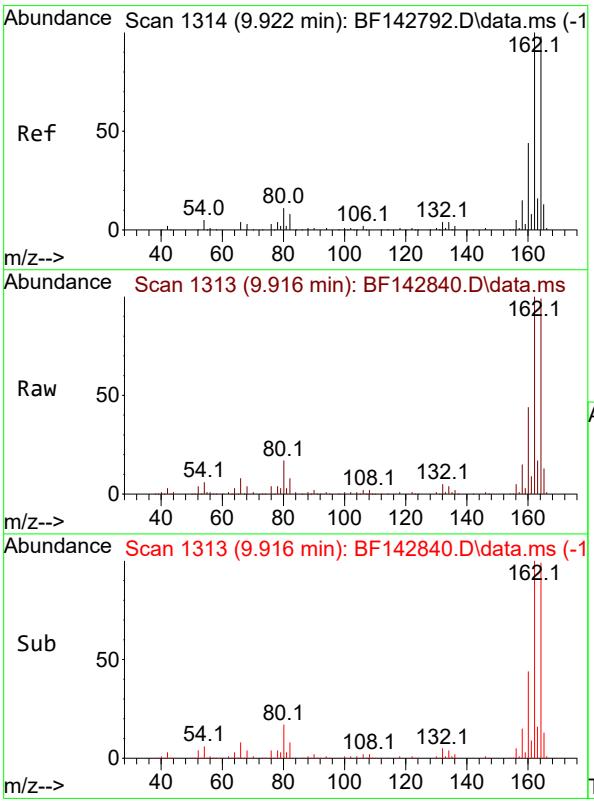
#23
Nitrobenzene-d5
Concen: 48.584 ng
RT: 7.439 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142840.D
Acq: 25 Jun 2025 16:32

Instrument :
BNA_F
ClientSampleId :
PARK AVE -1

Tgt Ion: 82 Resp: 265474

Ion	Ratio	Lower	Upper
82	100		
128	48.3	37.7	56.5
54	55.9	45.7	68.5

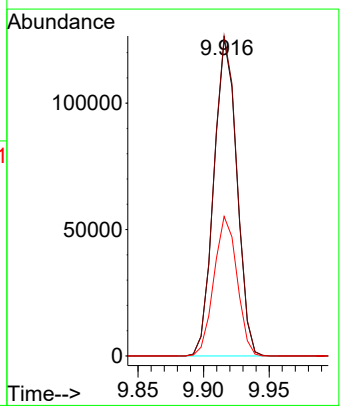


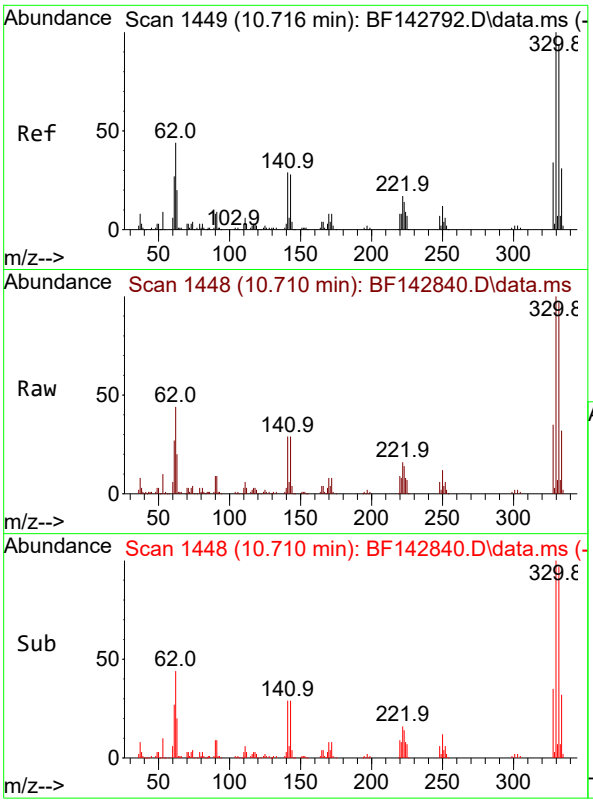


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.006 min
Lab File: BF142840.D
Acq: 25 Jun 2025 16:32

Tgt Ion:164 Resp: 152673

Ion	Ratio	Lower	Upper
164	100		
162	101.0	81.8	122.8
160	44.0	36.0	54.0



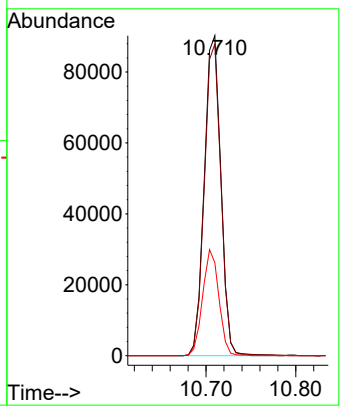


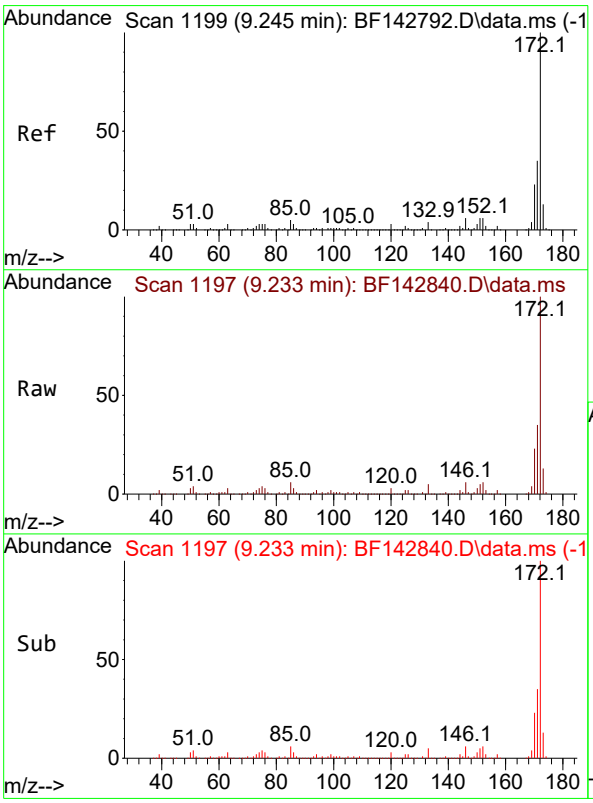
#42
2,4,6-Tribromophenol
Concen: 73.864 ng
RT: 10.710 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142840.D
Acq: 25 Jun 2025 16:32

Instrument :
BNA_F
ClientSampleId :
PARK AVE -1

Tgt Ion:330 Resp: 116049

Ion	Ratio	Lower	Upper
330	100		
332	97.0	75.0	112.6
141	32.3	25.3	37.9

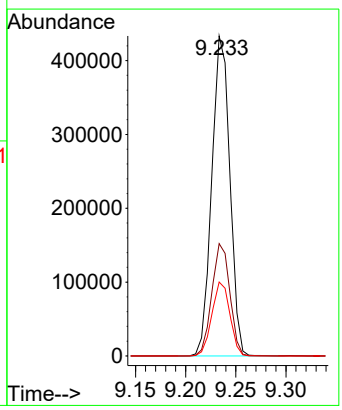


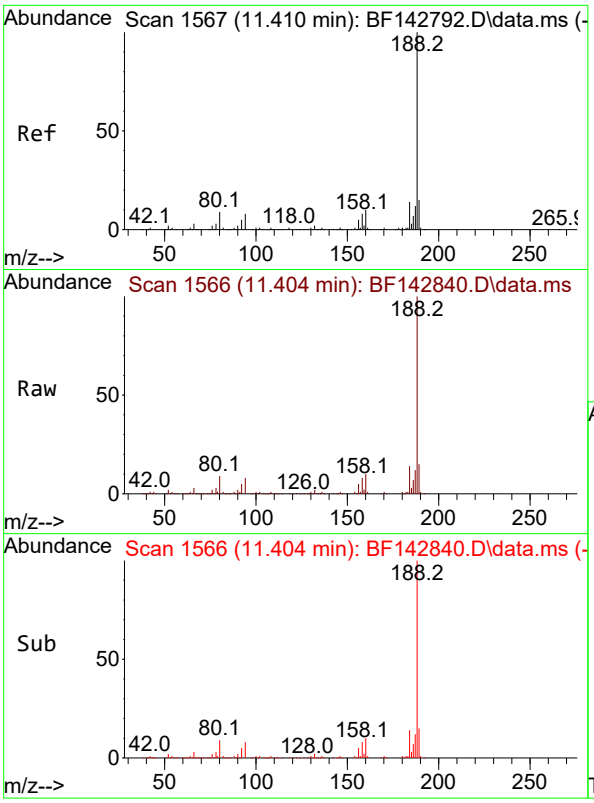


#45
2-Fluorobiphenyl
Concen: 46.633 ng
RT: 9.233 min Scan# 1197
Delta R.T. -0.012 min
Lab File: BF142840.D
Acq: 25 Jun 2025 16:32

Tgt Ion:172 Resp: 541959

Ion	Ratio	Lower	Upper
172	100		
171	35.1	28.2	42.4
170	23.1	18.5	27.7



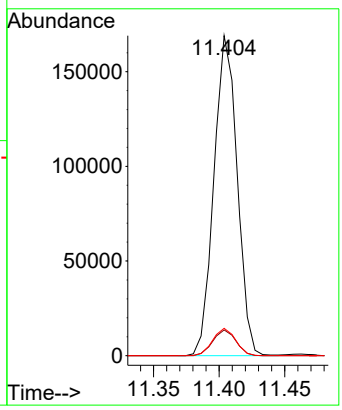


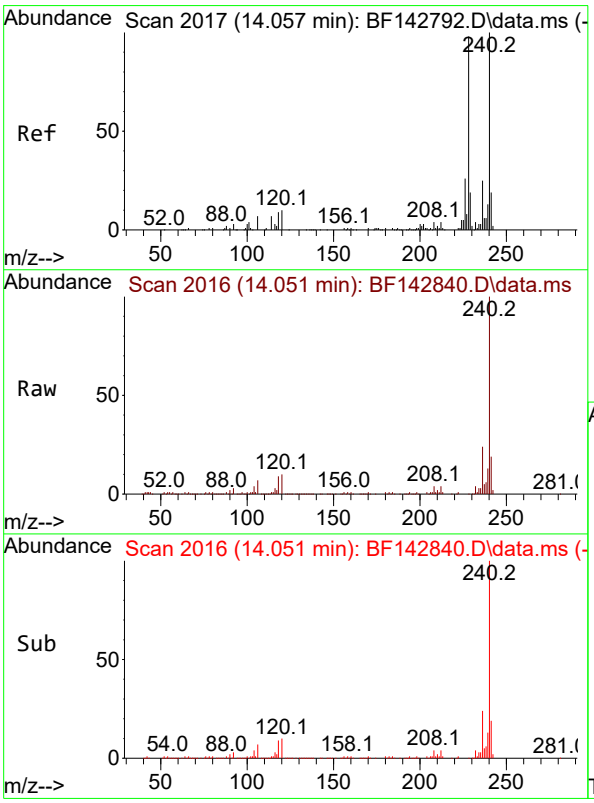
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142840.D
Acq: 25 Jun 2025 16:32

Instrument :
BNA_F
ClientSampleId :
PARK AVE -1

Tgt Ion:188 Resp: 208414

Ion	Ratio	Lower	Upper
188	100		
94	8.1	6.7	10.1
80	8.6	6.9	10.3

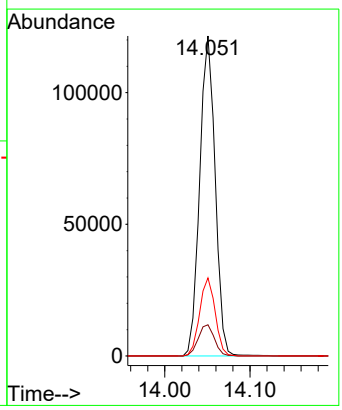


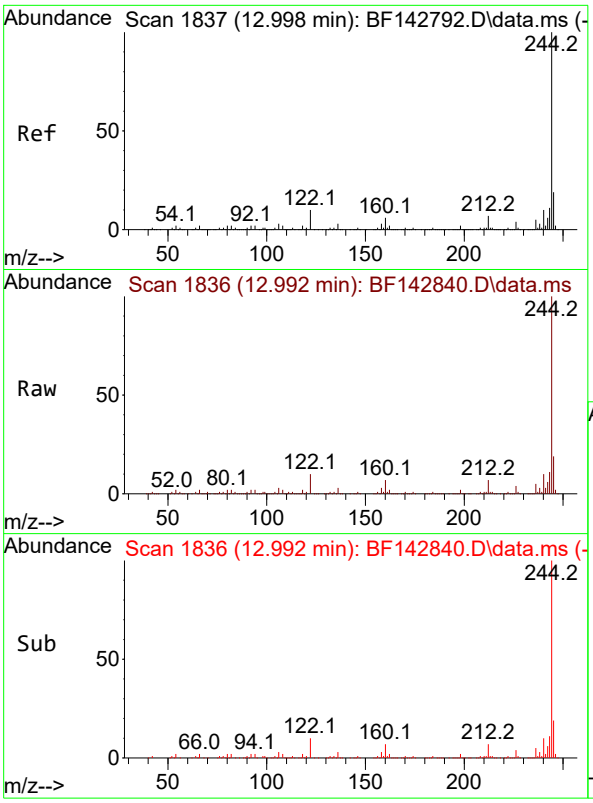


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF142840.D
Acq: 25 Jun 2025 16:32

Tgt Ion:240 Resp: 153326

Ion	Ratio	Lower	Upper
240	100		
120	9.8	8.2	12.2
236	24.4	19.8	29.8



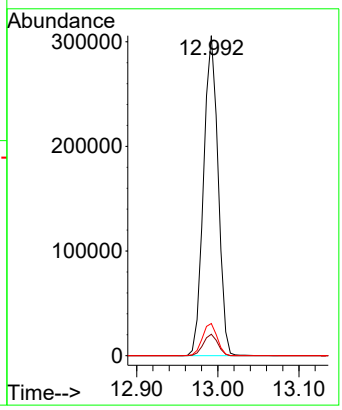


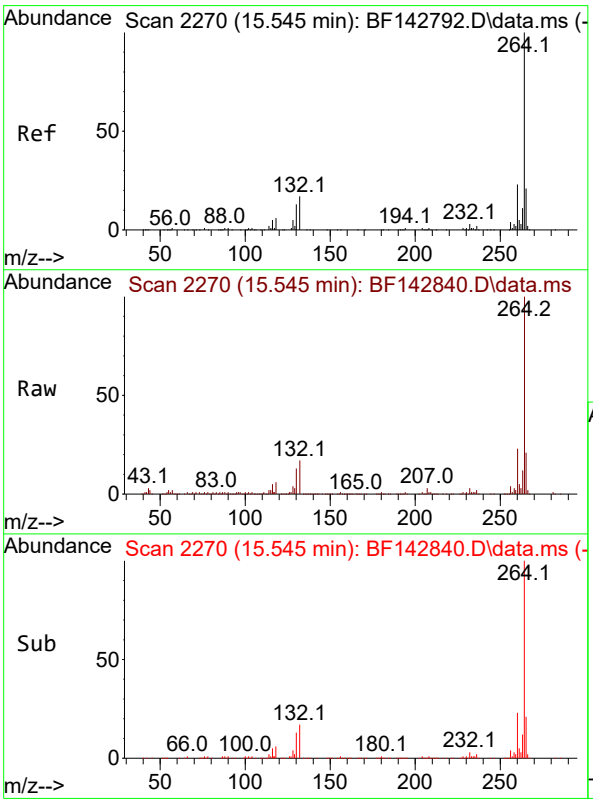
#79
Terphenyl-d14
Concen: 34.180 ng
RT: 12.992 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142840.D
Acq: 25 Jun 2025 16:32

Instrument :
BNA_F
ClientSampleId :
PARK AVE -1

Tgt Ion:244 Resp: 379288

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.4	8.0
122	10.1	8.2	12.2

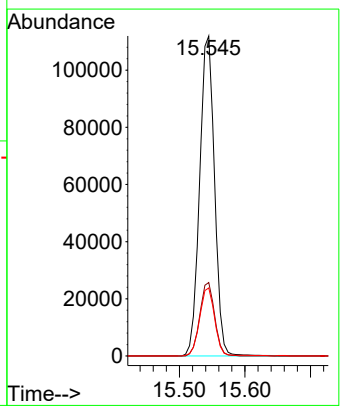




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2270
Delta R.T. -0.000 min
Lab File: BF142840.D
Acq: 25 Jun 2025 16:32

Tgt Ion:264 Resp: 177028

Ion	Ratio	Lower	Upper
264	100		
260	22.9	18.1	27.1
265	21.3	16.6	25.0



Sample Results: **BF142840.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062525\
Data File : BF142840.D
Acq On : 25 Jun 2025 16:32
Operator : RC/JU
Sample : Q2393-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PARK AVE -1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF142840.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.087	484	492	500	rBV	97460	142817	9.38%	1.221%
2	5.492	556	561	573	rBV	974631	1267910	83.28%	10.836%
3	6.504	727	733	748	rVB	1024037	1357271	89.15%	11.600%
4	6.875	791	796	801	rBV	367671	441449	28.99%	3.773%
5	7.439	886	892	897	rBV	607079	804079	52.81%	6.872%
6	8.157	1009	1014	1019	rBV	460681	579504	38.06%	4.953%
7	9.233	1192	1197	1202	rBV	1227968	1522508	100.00%	13.012%
8	9.916	1308	1313	1318	rBV	518311	632059	41.51%	5.402%
9	10.322	1376	1382	1388	rBV2	18286	29015	1.91%	0.248%
10	10.627	1426	1434	1442	rVB	118771	155225	10.20%	1.327%
11	10.704	1442	1447	1457	rBV	688340	885444	58.16%	7.567%
12	11.404	1561	1566	1572	rBV	405657	502413	33.00%	4.294%
13	11.786	1627	1631	1635	rVB2	13594	16963	1.11%	0.145%
14	11.927	1646	1655	1676	rBV2	307102	539591	35.44%	4.612%
15	12.080	1678	1681	1693	rVB9	8484	19248	1.26%	0.164%
16	12.639	1770	1776	1781	rBV8	7402	20970	1.38%	0.179%
17	12.710	1782	1788	1801	rVV	121190	213902	14.05%	1.828%
18	12.904	1815	1821	1829	rVB	34727	68591	4.51%	0.586%
19	12.992	1831	1836	1841	rVB	801381	995379	65.38%	8.507%
20	13.598	1934	1939	1946	rVB	40254	70904	4.66%	0.606%
21	13.892	1984	1989	1999	rBV	52234	97204	6.38%	0.831%
22	14.051	2008	2016	2022	rBV	321946	416711	27.37%	3.561%
23	14.168	2030	2036	2040	rBV	56624	86551	5.68%	0.740%
24	14.510	2091	2094	2105	rVB2	12299	26028	1.71%	0.222%
25	14.651	2113	2118	2125	rBV	49302	90582	5.95%	0.774%
26	15.162	2199	2205	2211	rBV	49196	98520	6.47%	0.842%
27	15.545	2264	2270	2281	rVB	307551	508420	33.39%	4.345%
28	15.721	2295	2300	2307	rBV	34771	66542	4.37%	0.569%
29	16.374	2407	2411	2421	rVB2	18046	45150	2.97%	0.386%

Sum of corrected areas: 11700950

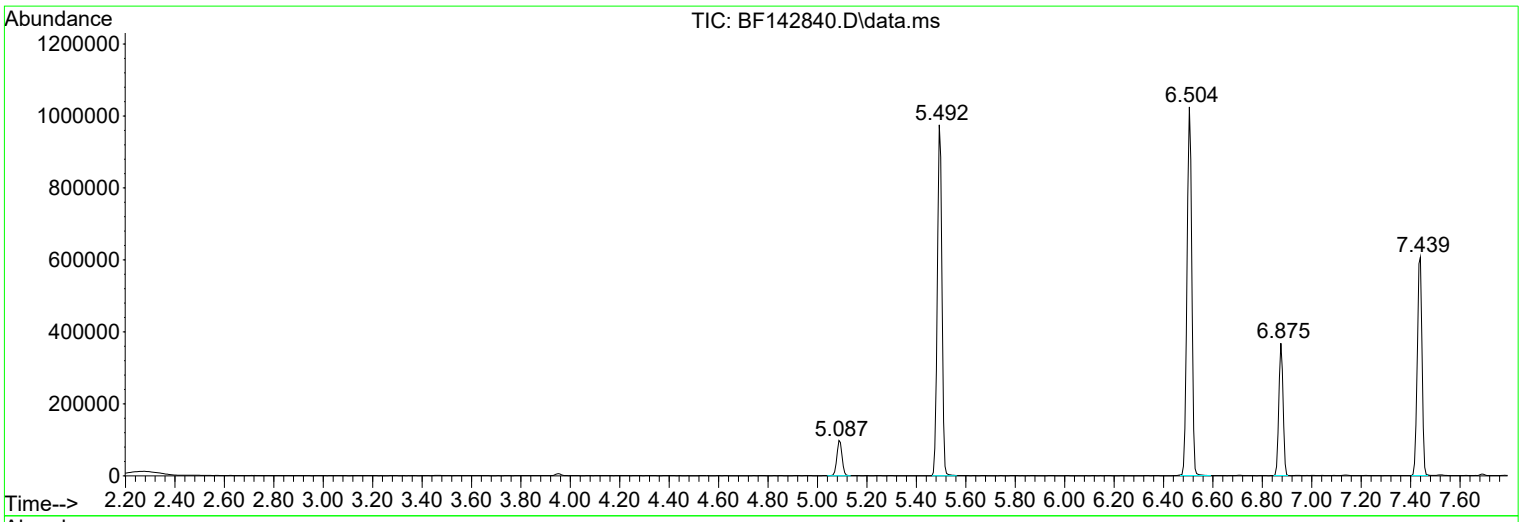
Sample Results: **BF142840.D**

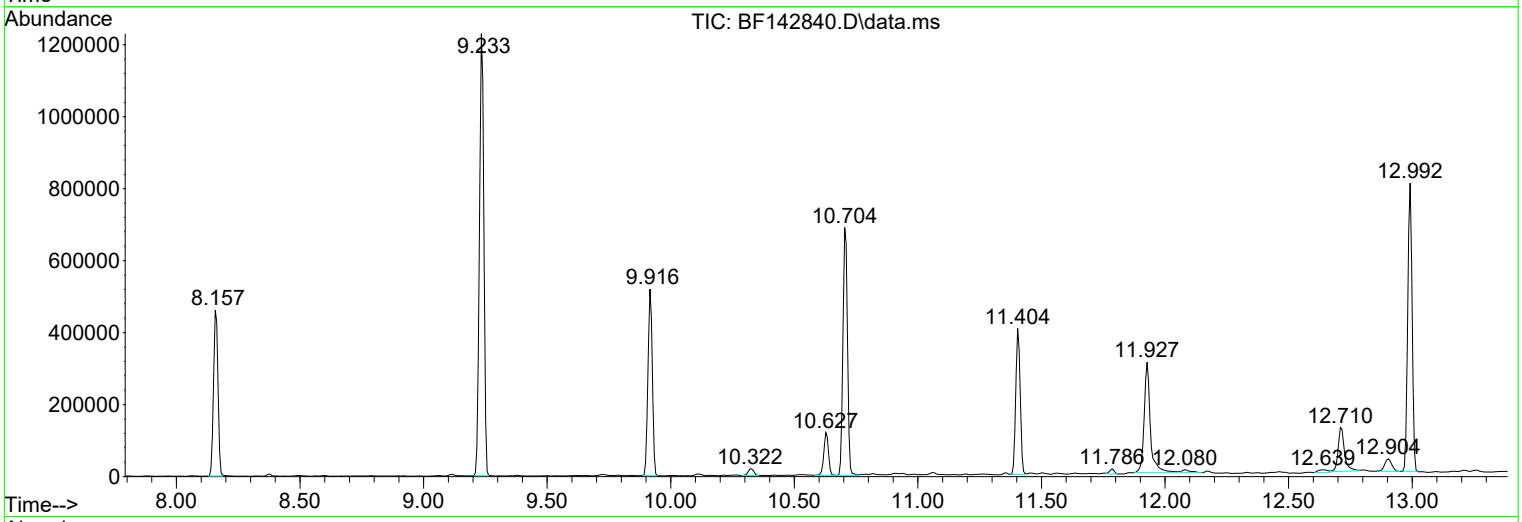
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062525\
Data File : BF142840.D
Acq On : 25 Jun 2025 16:32
Operator : RC/JU
Sample : Q2393-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

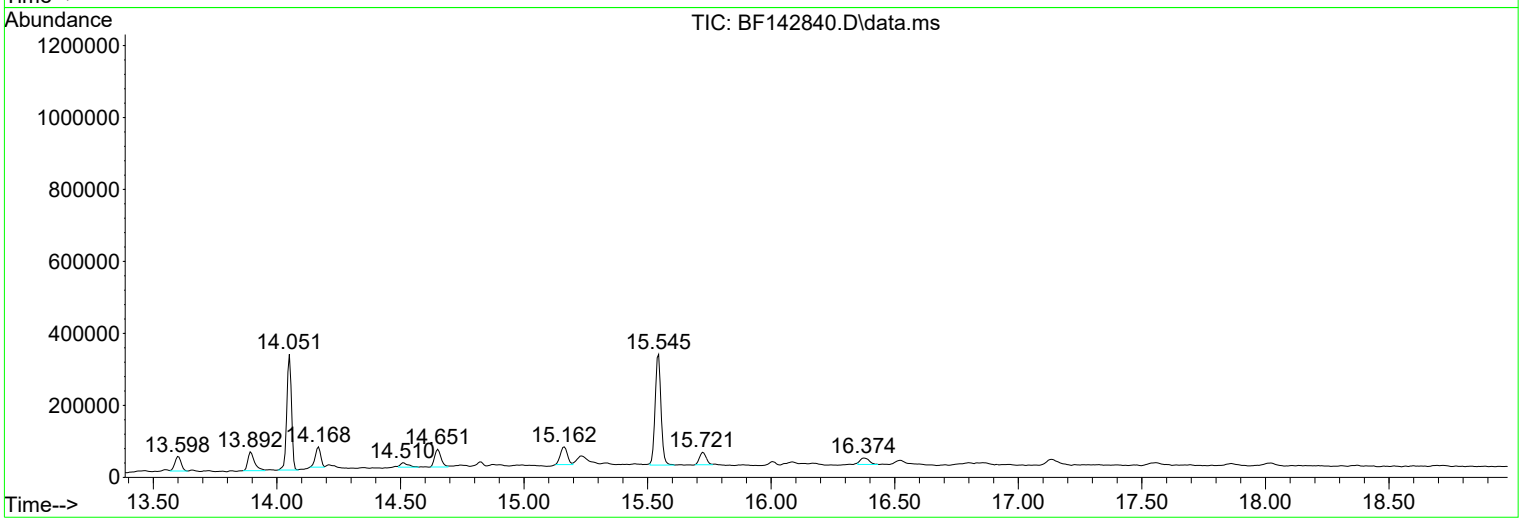
Instrument :
BNA_F
ClientSampleId :
PARK AVE -1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P







Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062525\
Data File : BF142840.D
Acq On : 25 Jun 2025 16:32
Operator : RC/JU
Sample : Q2393-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PARK AVE -1

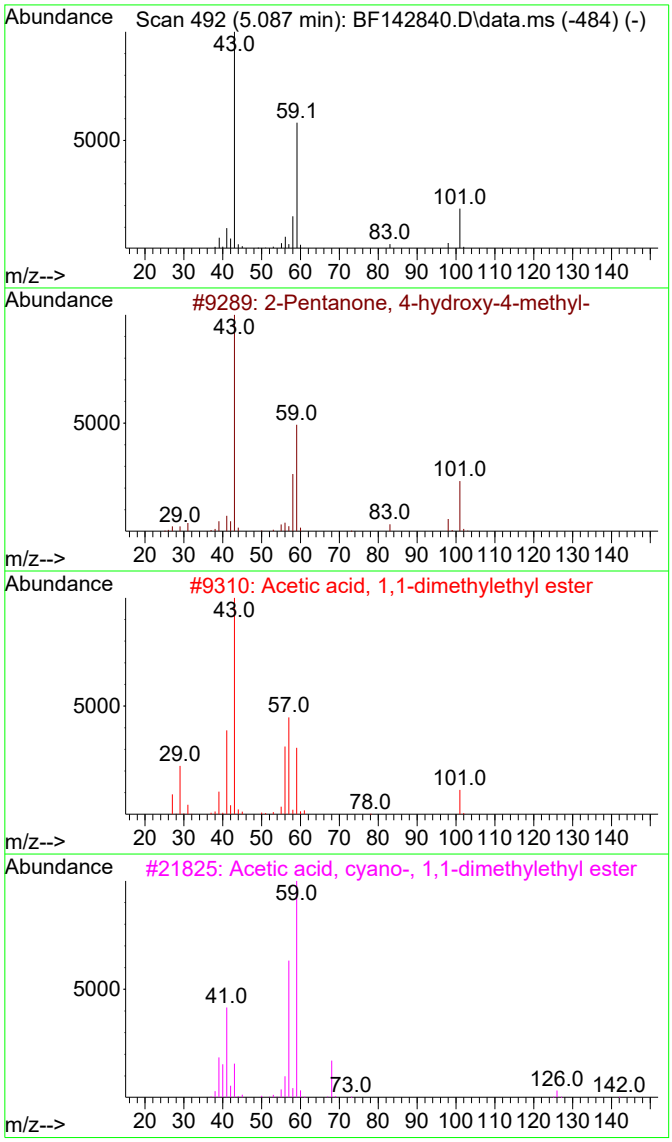
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

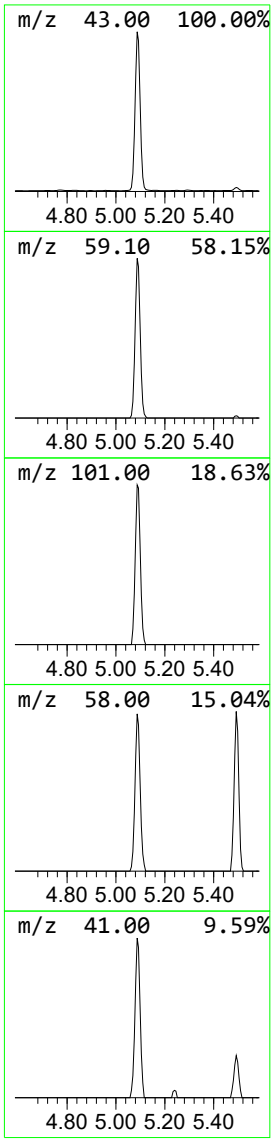
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.087	6.47 ng	142817	1,4-Dichlorobenzene-d4	6.875

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	28
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23
4	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	12
5	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062525\
Data File : BF142840.D
Acq On : 25 Jun 2025 16:32
Operator : RC/JU
Sample : Q2393-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PARK AVE -1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

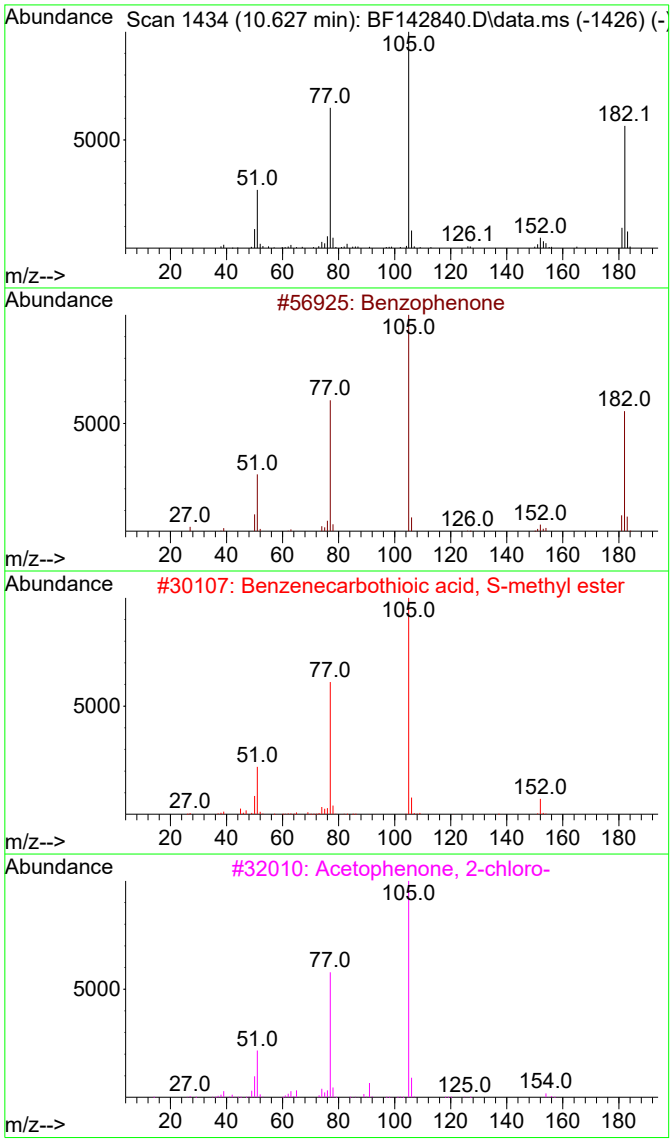
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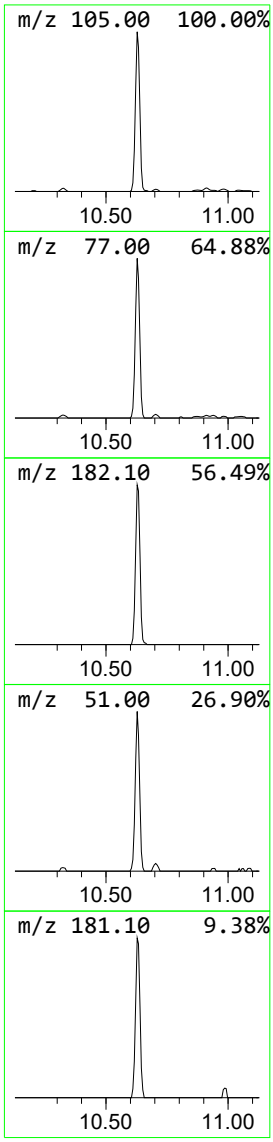
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Peak Number 2 Benzophenone Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.627	4.91 ng	155225	Acenaphthene-d10	9.916

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	Benzenecarbothioic acid, S-methy...	152	C8H8OS	005925-68-8	53
3	Acetophenone, 2-chloro-	154	C8H7ClO	000532-27-4	49
4	N-Methoxy-N-methylbenzamide	165	C9H11NO2	006919-61-5	47
5	Benzenepropanenitrile, .beta.-oxo-	145	C9H7NO	000614-16-4	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062525\
Data File : BF142840.D
Acq On : 25 Jun 2025 16:32
Operator : RC/JU
Sample : Q2393-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PARK AVE -1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

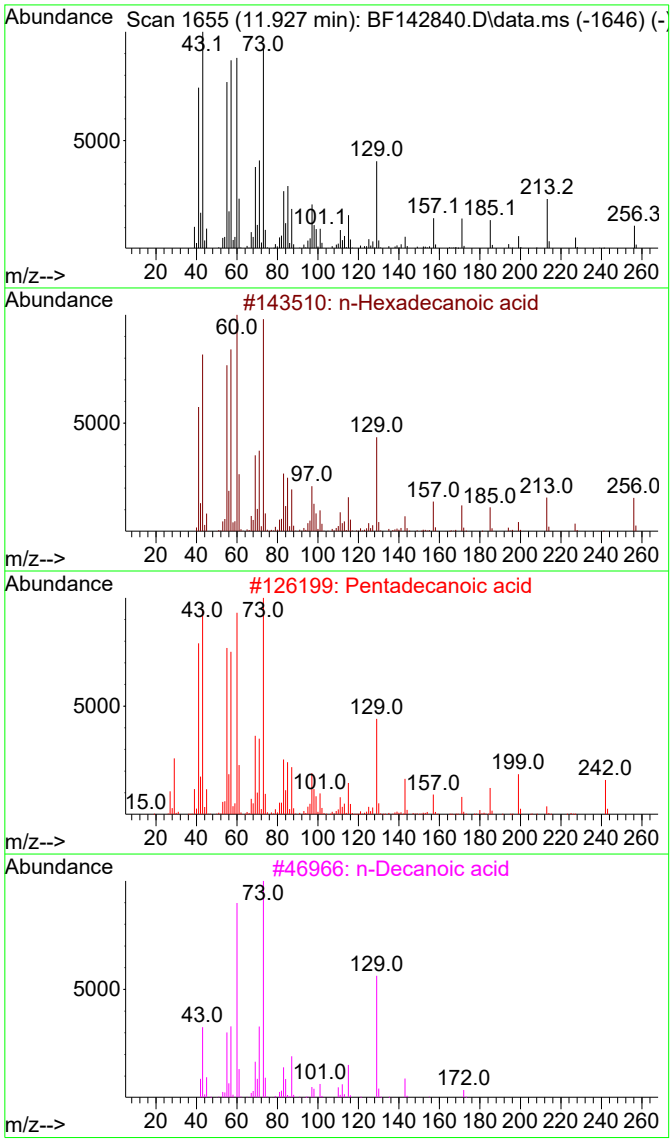
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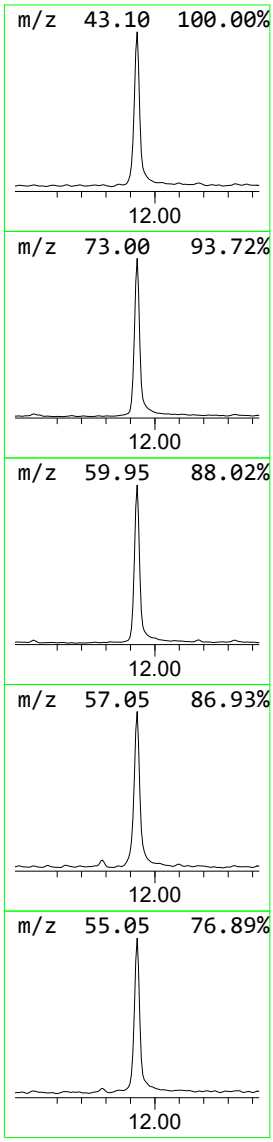
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Peak Number 3 n-Hexadecanoic acid Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.927	21.48 ng	539591	Phenanthrene-d10	11.404

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	91
3	n-Decanoic acid	172	C10H20O2	000334-48-5	70
4	Tridecanoic acid	214	C13H26O2	000638-53-9	70
5	Undecanoic acid	186	C11H22O2	000112-37-8	58





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062525\
Data File : BF142840.D
Acq On : 25 Jun 2025 16:32
Operator : RC/JU
Sample : Q2393-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PARK AVE -1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

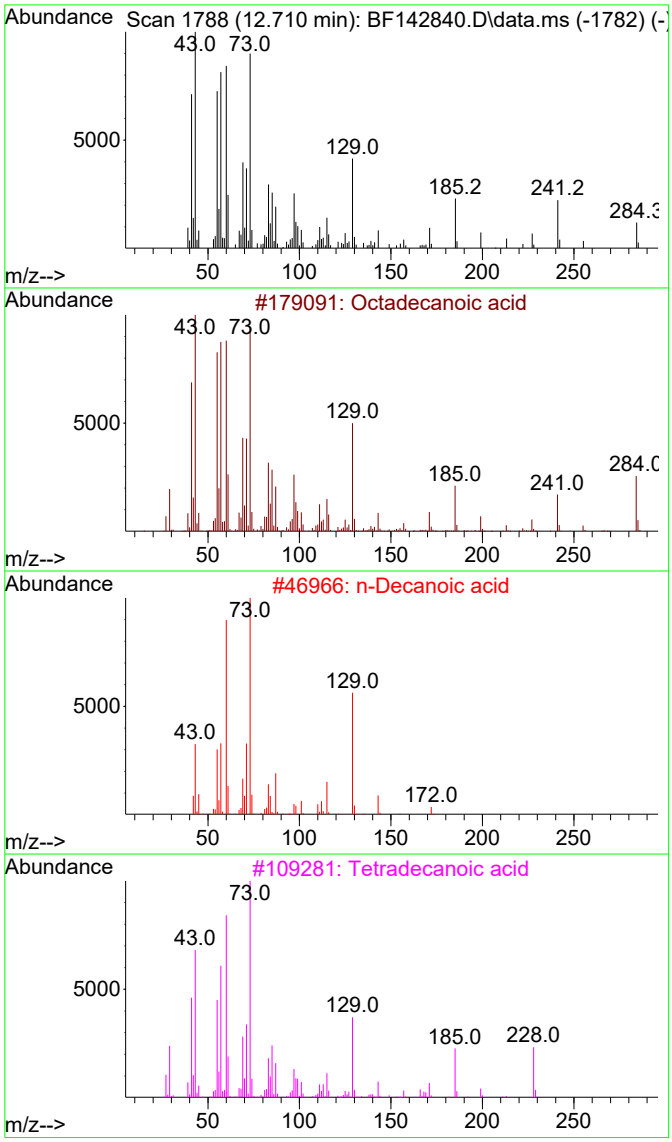
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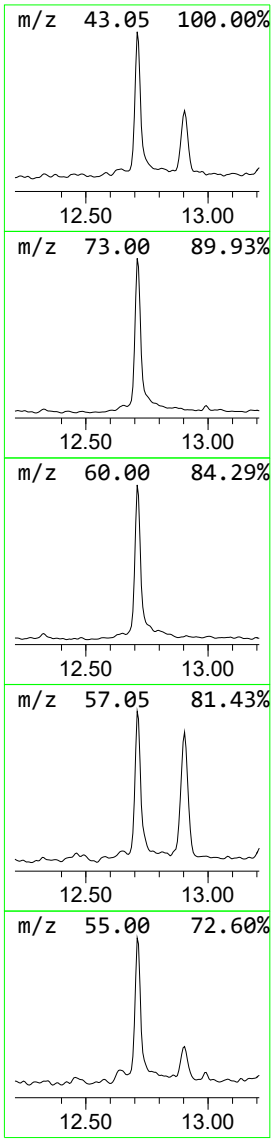
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Peak Number 4 Octadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.710	8.51 ng	213902	Phenanthrene-d10	11.404

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2	n-Decanoic acid	172	C10H20O2	000334-48-5	92
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	87
4	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	74
5	Octadecanoic acid, 2-(2-hydroxye...	372	C22H44O4	000106-11-6	72





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062525\
Data File : BF142840.D
Acq On : 25 Jun 2025 16:32
Operator : RC/JU
Sample : Q2393-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PARK AVE -1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

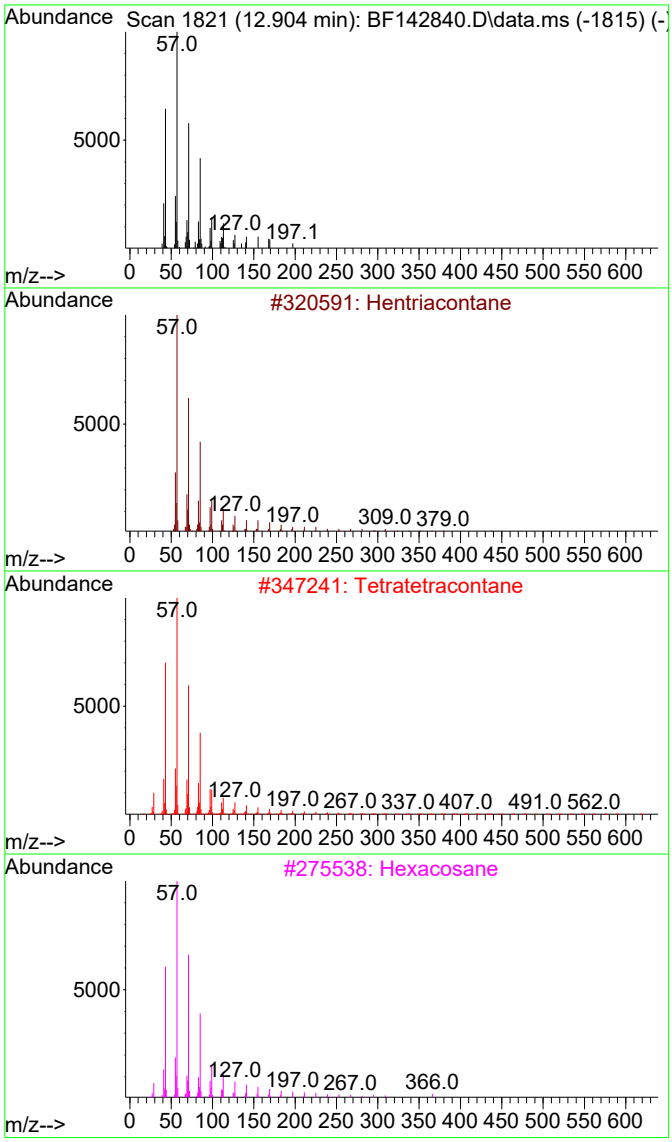
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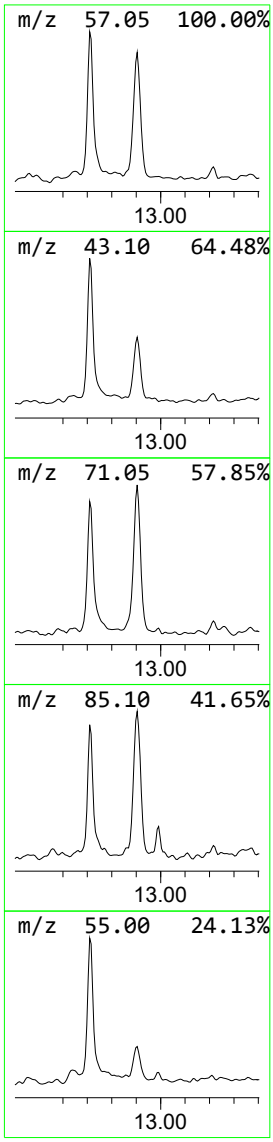
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Peak Number 5 Hentriacontane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.904	3.29 ng	68591	Chrysene-d12	14.051

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hentriacontane	437	C31H64	000630-04-6	91
2	Tetratetracontane	619	C44H90	007098-22-8	91
3	Hexacosane	366	C26H54	000630-01-3	91
4	Pentacosane	352	C25H52	000629-99-2	91
5	Octacosane, 2-methyl-	408	C29H60	001560-98-1	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062525\
Data File : BF142840.D
Acq On : 25 Jun 2025 16:32
Operator : RC/JU
Sample : Q2393-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PARK AVE -1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

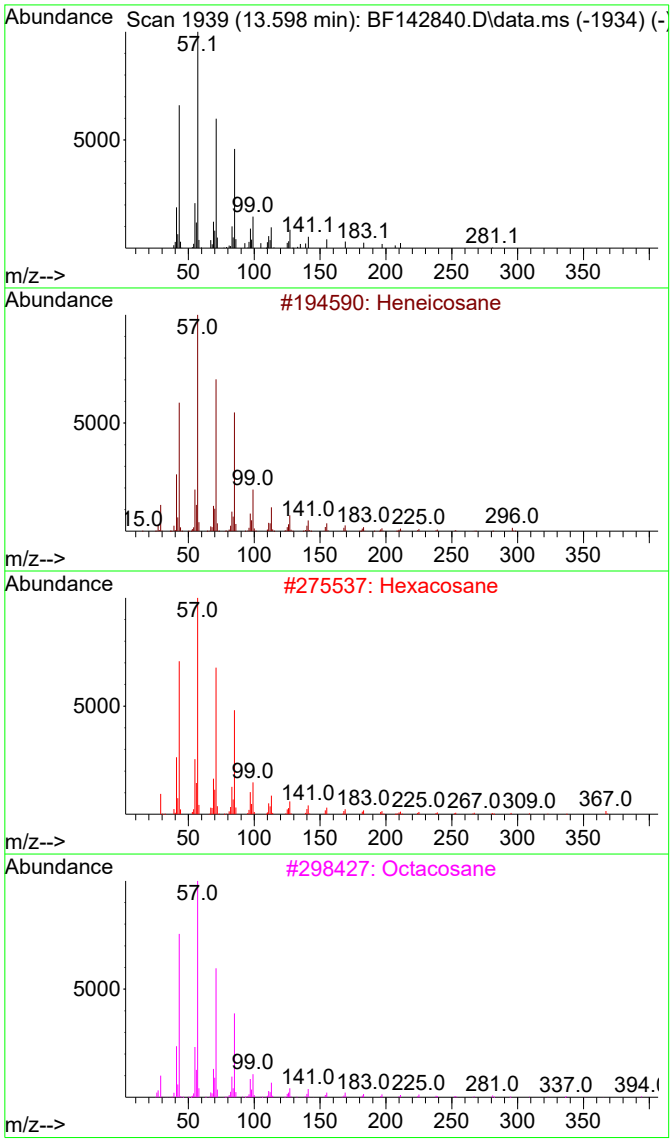
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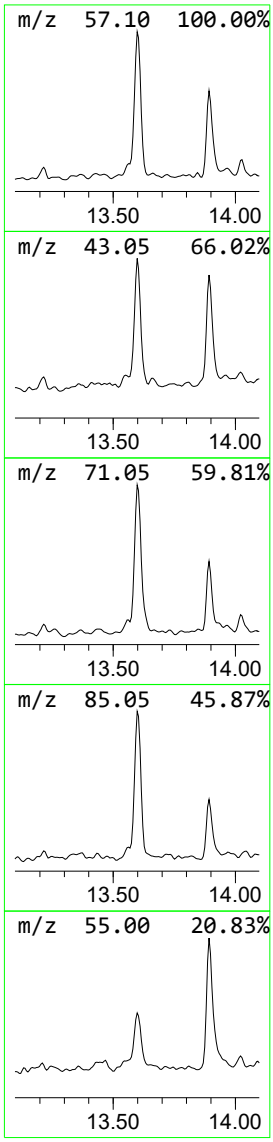
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Peak Number 6 Heneicosane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.598	3.40 ng	70904	Chrysene-d12	14.051

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	91
2	Hexacosane	366	C26H54	000630-01-3	91
3	Octacosane	394	C28H58	000630-02-4	91
4	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	91
5	Hentriacontane	437	C31H64	000630-04-6	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062525\
Data File : BF142840.D
Acq On : 25 Jun 2025 16:32
Operator : RC/JU
Sample : Q2393-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PARK AVE -1

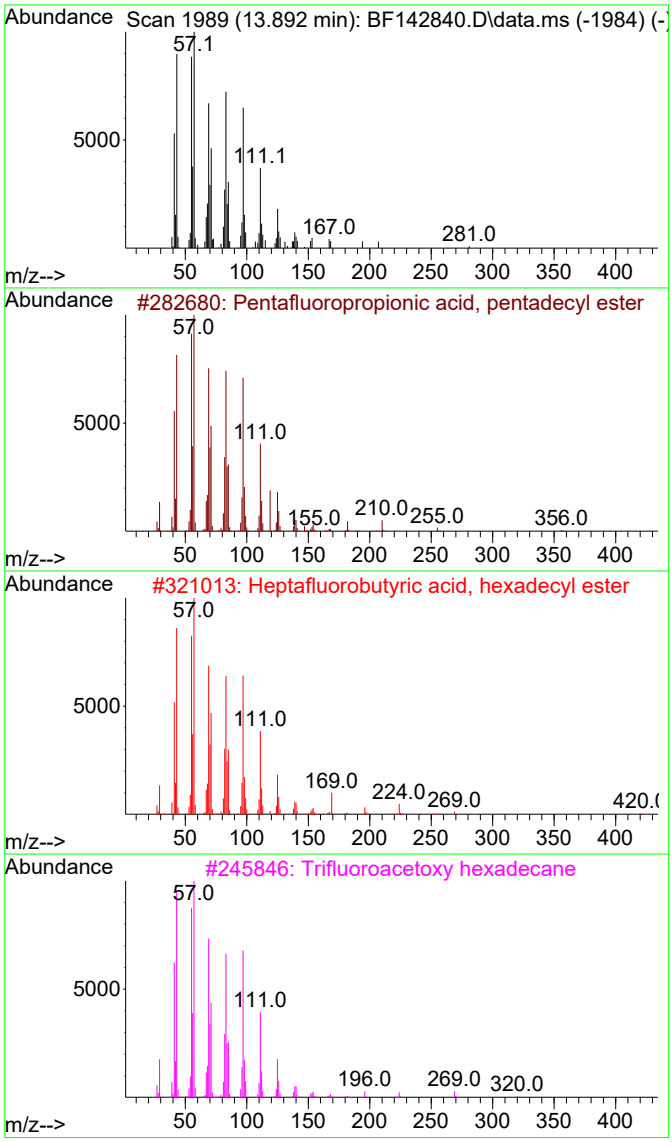
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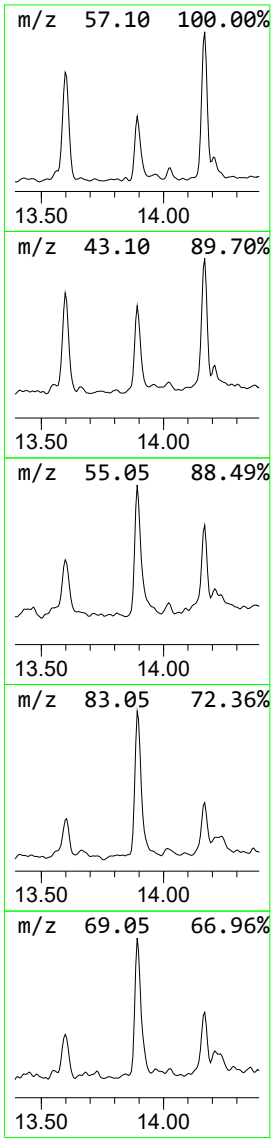
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Pentafluoropropionic acid, ... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.892	4.67 ng	97204	Chrysene-d12	14.051

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentafluoropropionic acid, penta...	374	C18H31F5O2	959092-08-1	95
2	Heptafluorobutyric acid, hexadec...	438	C20H33F7O2	006385-15-5	95
3	Trifluoroacetoxy hexadecane	338	C18H33F3O2	006222-03-3	95
4	Heptafluorobutyric acid, pentade...	424	C19H31F7O2	959261-23-5	95
5	1-Hexacosene	364	C26H52	018835-33-1	95





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062525\
Data File : BF142840.D
Acq On : 25 Jun 2025 16:32
Operator : RC/JU
Sample : Q2393-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PARK AVE -1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

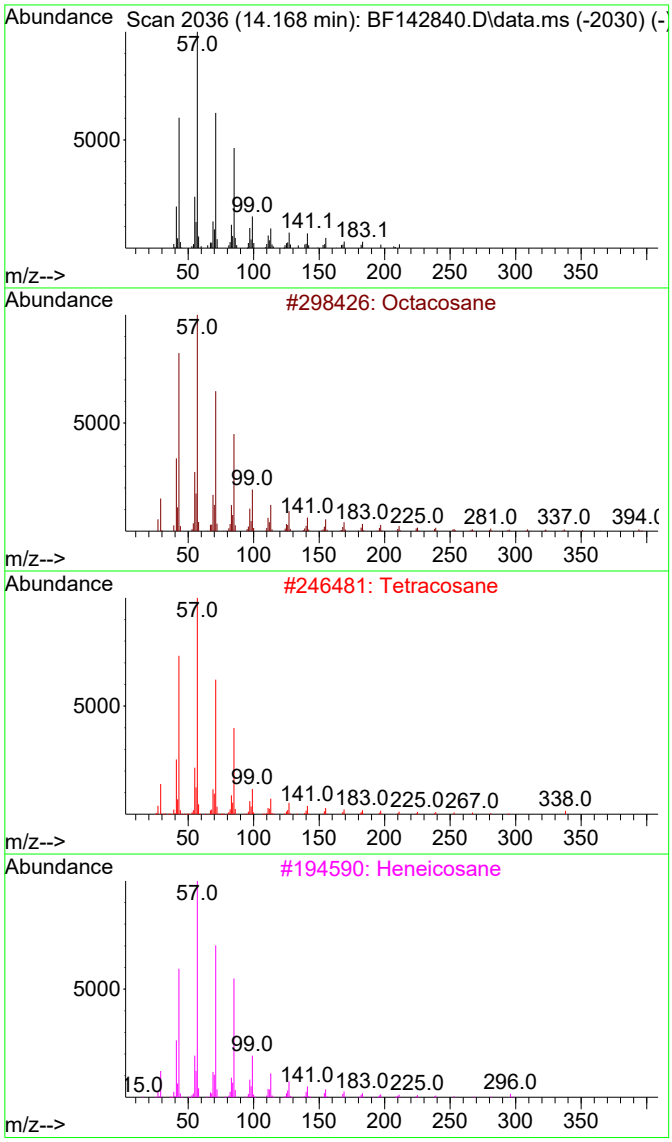
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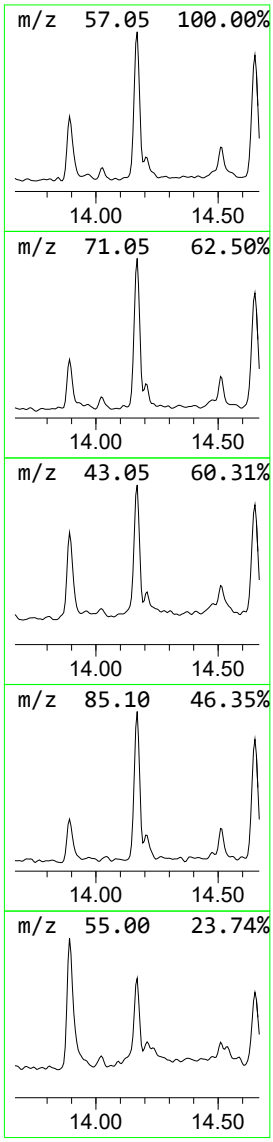
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Peak Number 8 Octacosane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.168	4.15 ng	86551	Chrysene-d12	14.051

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octacosane	394	C28H58	000630-02-4	91
2	Tetracosane	338	C24H50	000646-31-1	91
3	Heneicosane	296	C21H44	000629-94-7	91
4	Hexacosane	366	C26H54	000630-01-3	91
5	Triacontane	422	C30H62	000638-68-6	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062525\
Data File : BF142840.D
Acq On : 25 Jun 2025 16:32
Operator : RC/JU
Sample : Q2393-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PARK AVE -1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

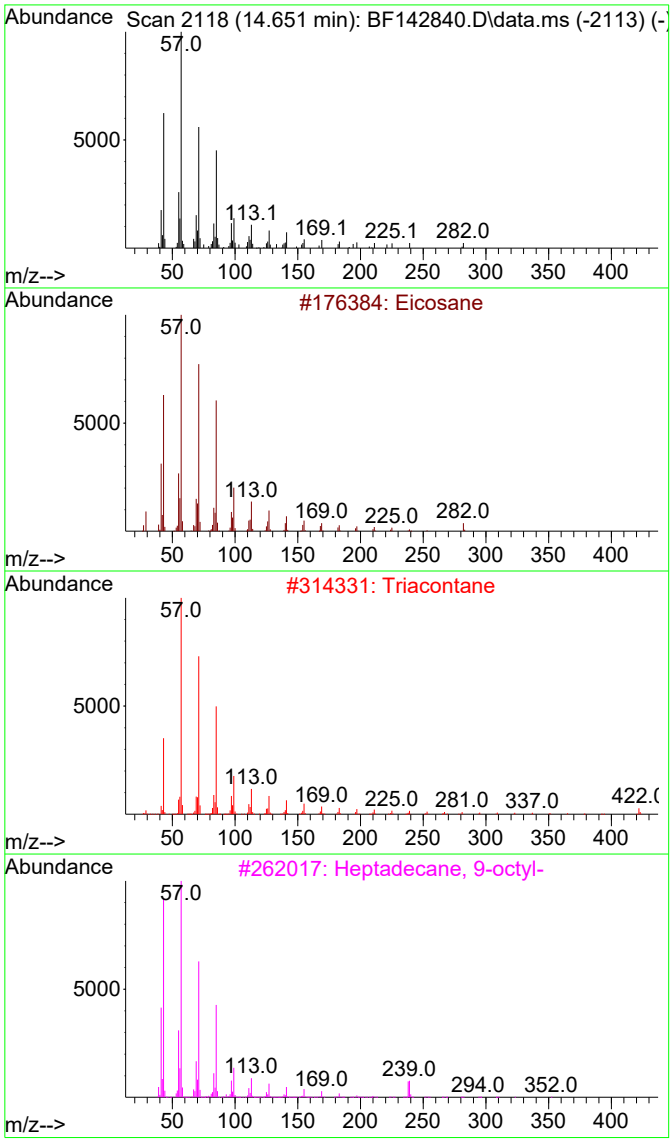
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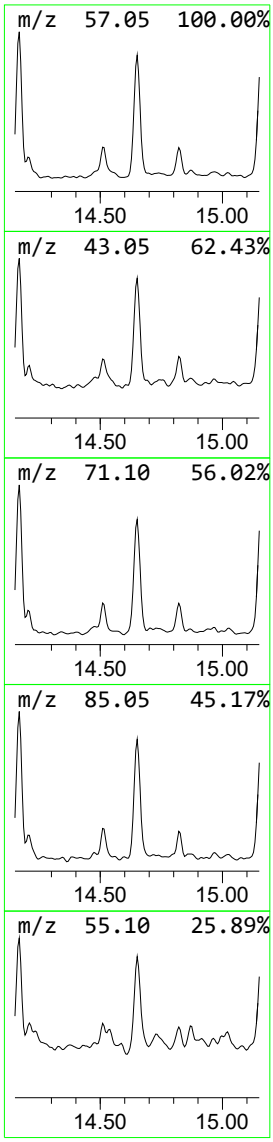
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Peak Number 9 Eicosane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.651	4.35 ng	90582	Chrysene-d12	14.051

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	97
2	Triacontane	422	C30H62	000638-68-6	91
3	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	91
4	Octacosane, 2-methyl-	408	C29H60	001560-98-1	91
5	Hentriacontane	437	C31H64	000630-04-6	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062525\
Data File : BF142840.D
Acq On : 25 Jun 2025 16:32
Operator : RC/JU
Sample : Q2393-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PARK AVE -1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

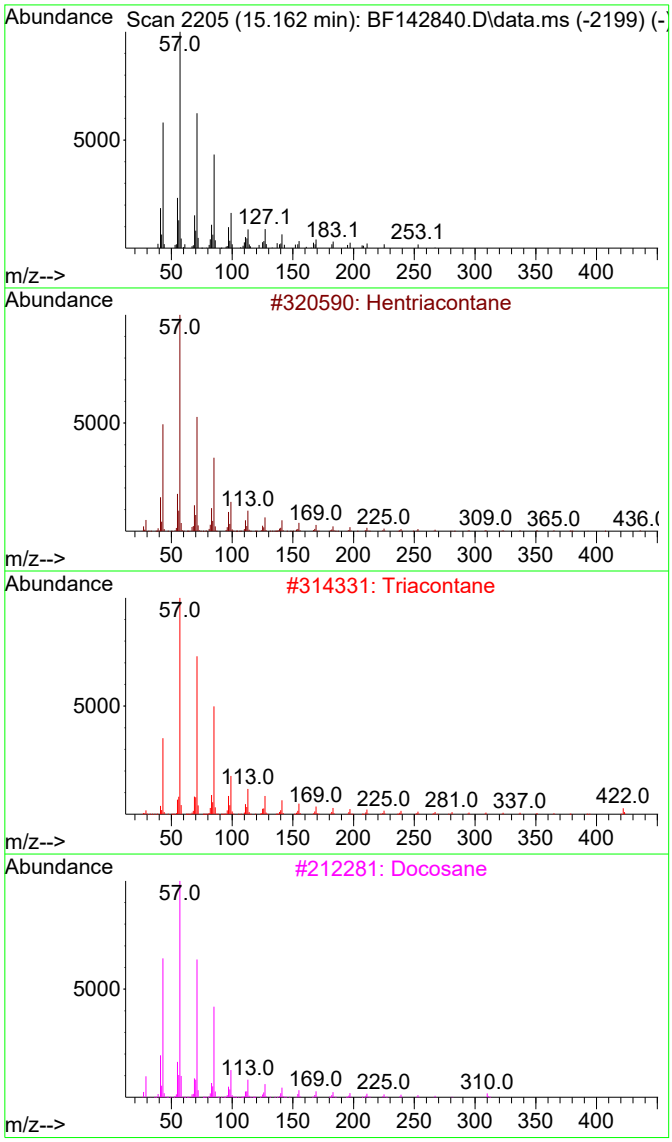
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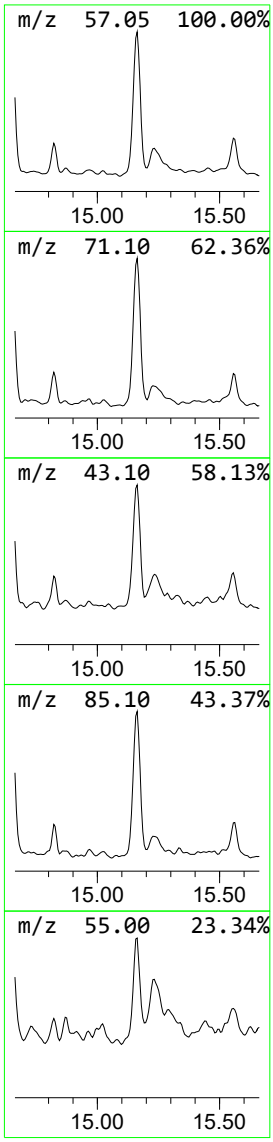
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Peak Number 10 Triacontane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.162	3.88 ng	98520	Perylene-d12	15.545

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hentriacontane	437	C31H64	000630-04-6	91
2	Triacontane	422	C30H62	000638-68-6	91
3	Docosane	310	C22H46	000629-97-0	91
4	Octacosane, 2-methyl-	408	C29H60	001560-98-1	91
5	Octacosane	394	C28H58	000630-02-4	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062525\
Data File : BF142840.D
Acq On : 25 Jun 2025 16:32
Operator : RC/JU
Sample : Q2393-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PARK AVE -1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

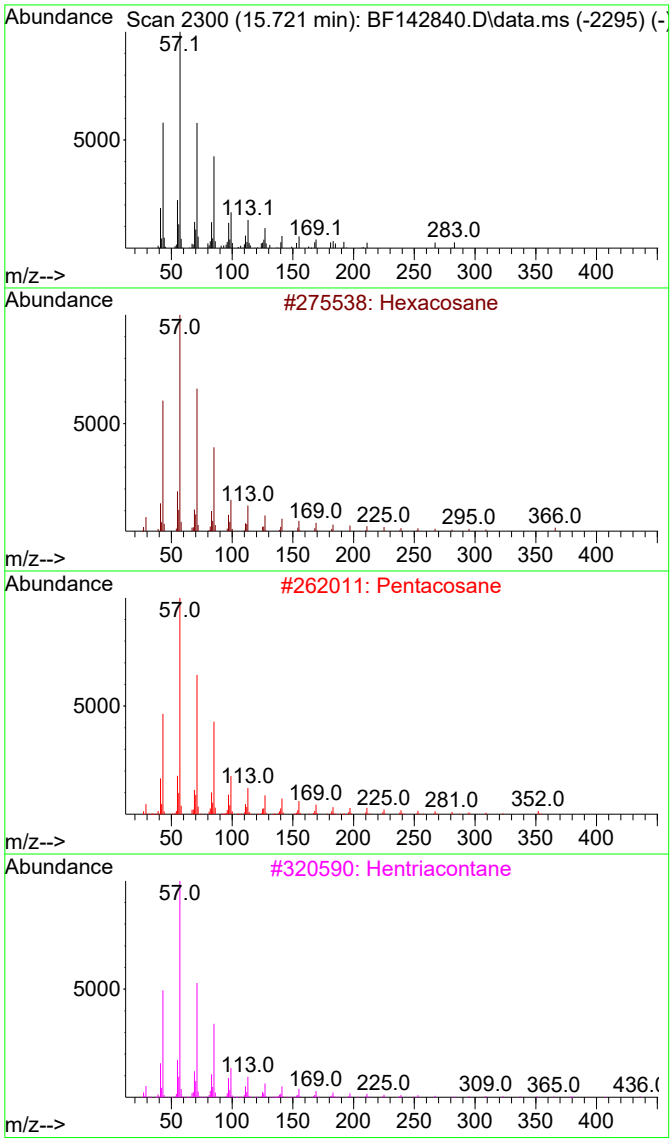
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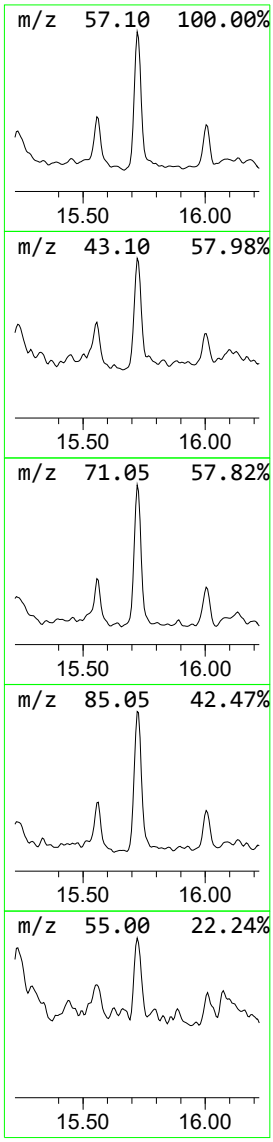
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Peak Number 11 Hexacosane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.721	2.62 ng	66542	Perylene-d12	15.545

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexacosane	366	C26H54	000630-01-3	91
2	Pentacosane	352	C25H52	000629-99-2	91
3	Hentriacontane	437	C31H64	000630-04-6	91
4	Heptacosane	380	C27H56	000593-49-7	91
5	Triacontane	422	C30H62	000638-68-6	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062525\
Data File : BF142840.D
Acq On : 25 Jun 2025 16:32
Operator : RC/JU
Sample : Q2393-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PARK AVE -1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-...	5.087	6.5	ng	142817	1	6.875	441449	20.0
Benzophenone	10.627	4.9	ng	155225	3	9.916	632059	20.0
n-Hexadecanoic ...	11.927	21.5	ng	539591	4	11.404	502413	20.0
Octadecanoic acid	12.710	8.5	ng	213902	4	11.404	502413	20.0
Hentriacontane	12.904	3.3	ng	68591	5	14.051	416711	20.0
Heneicosane	13.598	3.4	ng	70904	5	14.051	416711	20.0
Pentafluoroprop...	13.892	4.7	ng	97204	5	14.051	416711	20.0
Octacosane	14.168	4.2	ng	86551	5	14.051	416711	20.0
Eicosane	14.651	4.3	ng	90582	5	14.051	416711	20.0
Triacontane	15.162	3.9	ng	98520	6	15.545	508420	20.0
Hexacosane	15.721	2.6	ng	66542	6	15.545	508420	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062525\
Data File : BF142841.D
Acq On : 25 Jun 2025 17:02
Operator : RC/JU
Sample : Q2393-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PARK AVE -2

Quant Time: Jun 25 17:42:11 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

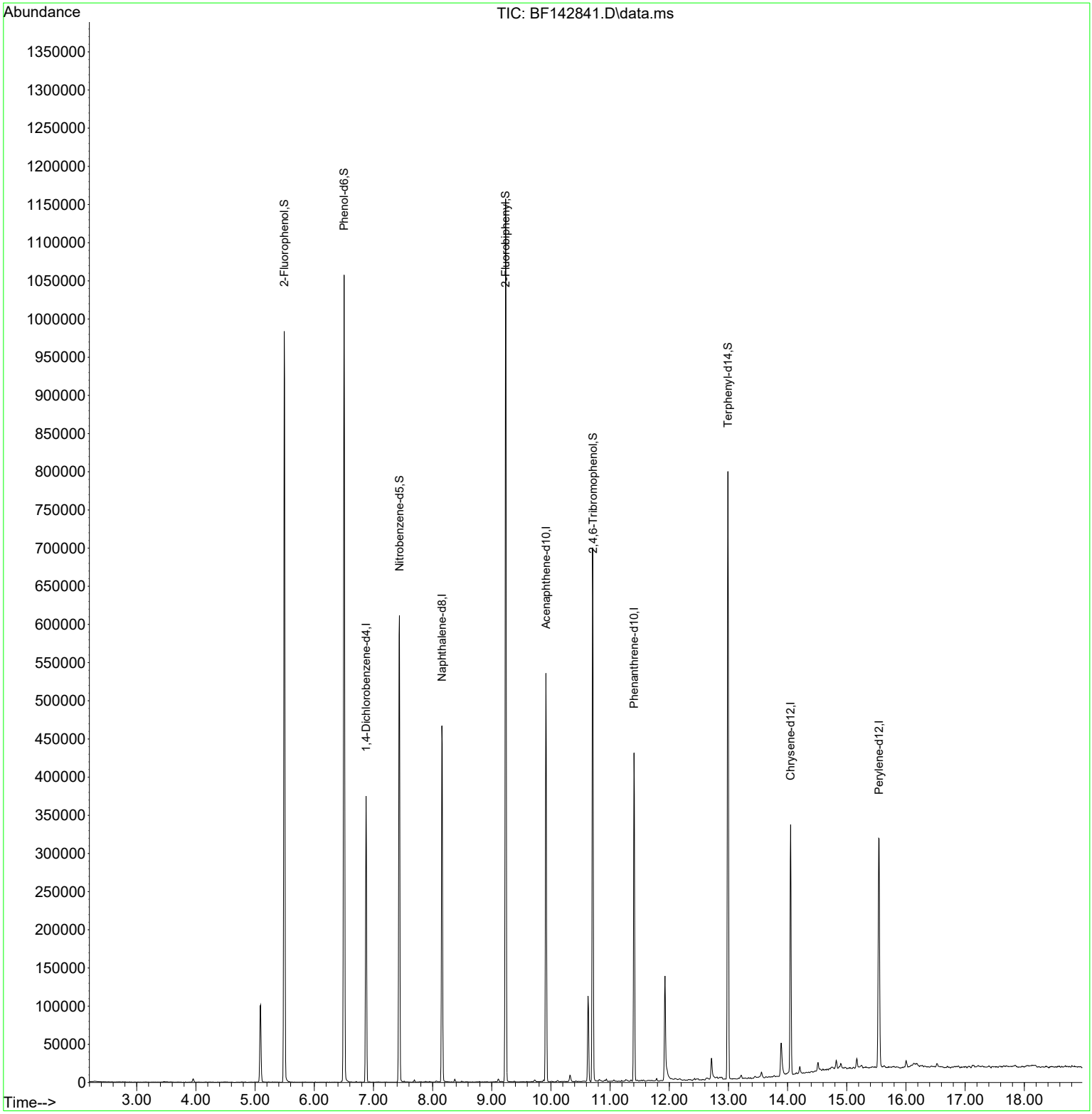
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Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	79690	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	305909	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	156047	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	222655	20.000	ng	0.00
76) Chrysene-d12	14.051	240	158233	20.000	ng	0.00
86) Perylene-d12	15.545	264	179947	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	376919	78.748	ng	0.00
7) Phenol-d6	6.504	99	485476	85.970	ng	0.00
23) Nitrobenzene-d5	7.439	82	264621	47.448	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	118063	73.521	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	507303	42.707	ng	-0.01
79) Terphenyl-d14	12.992	244	373474	32.612	ng	0.00
Target Compounds						Qvalue

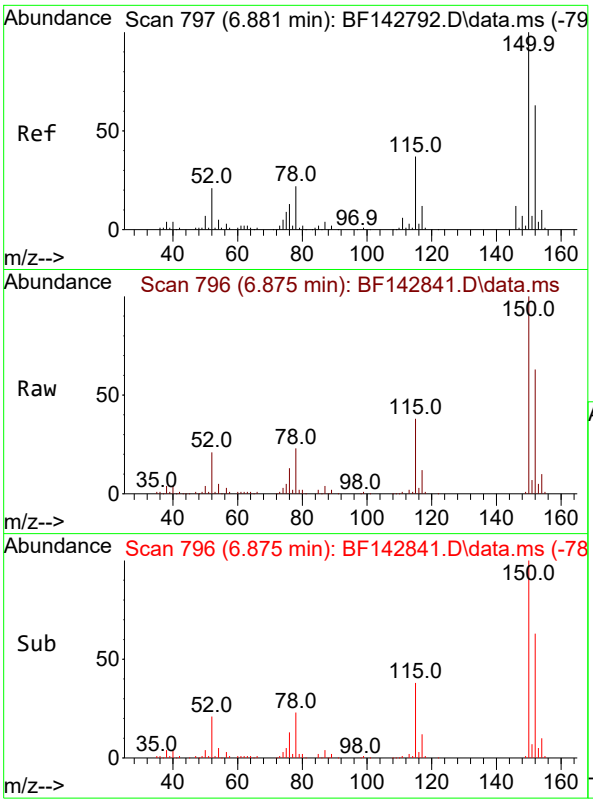
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062525\
Data File : BF142841.D
Acq On : 25 Jun 2025 17:02
Operator : RC/JU
Sample : Q2393-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PARK AVE -2

Quant Time: Jun 25 17:42:11 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration



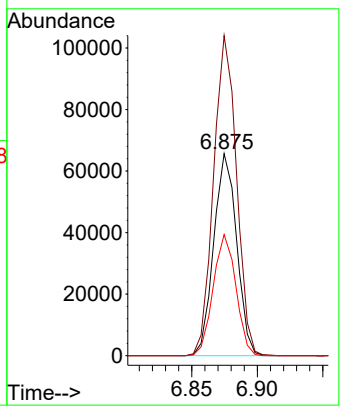


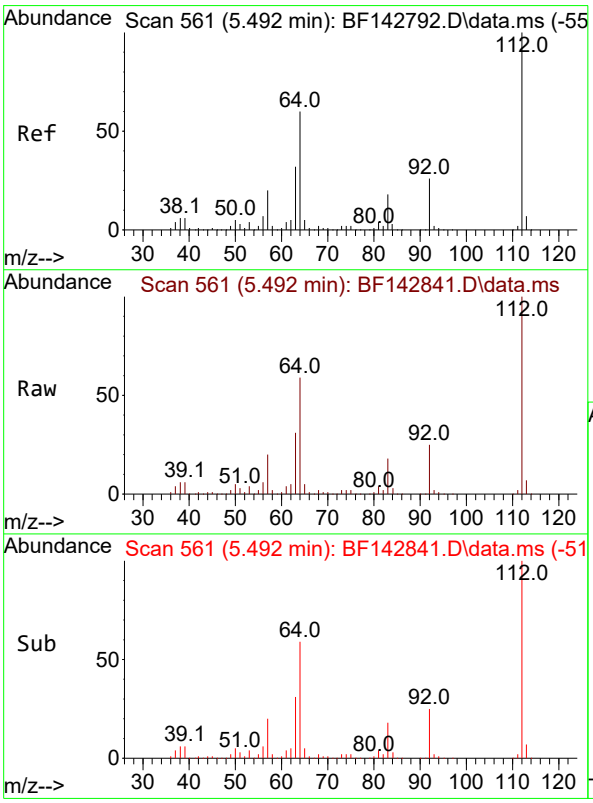
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142841.D
Acq: 25 Jun 2025 17:02

Instrument :
BNA_F
ClientSampleId :
PARK AVE -2

Tgt Ion:152 Resp: 79690

Ion	Ratio	Lower	Upper
152	100		
150	158.4	127.2	190.8
115	59.9	46.6	69.8

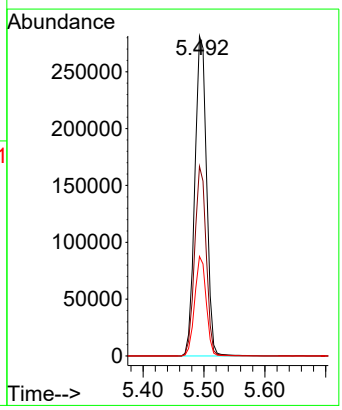


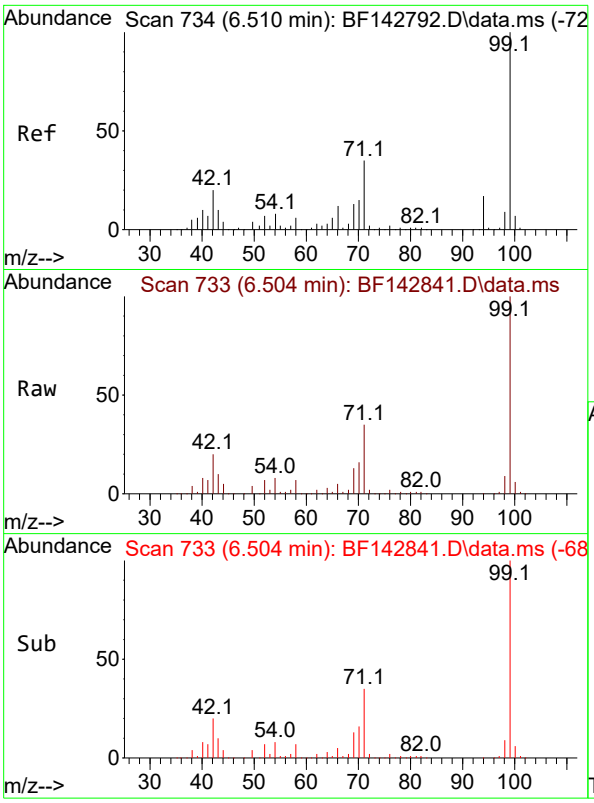


#5
2-Fluorophenol
Concen: 78.748 ng
RT: 5.492 min Scan# 561
Delta R.T. 0.000 min
Lab File: BF142841.D
Acq: 25 Jun 2025 17:02

Tgt Ion:112 Resp: 376919

Ion	Ratio	Lower	Upper
112	100		
64	59.3	48.2	72.2
63	31.1	25.7	38.5



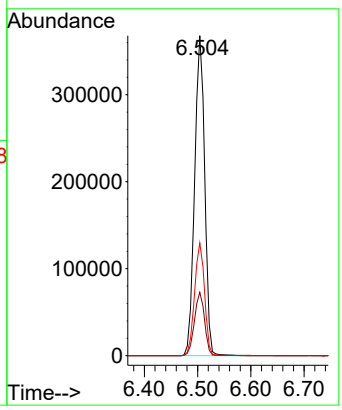


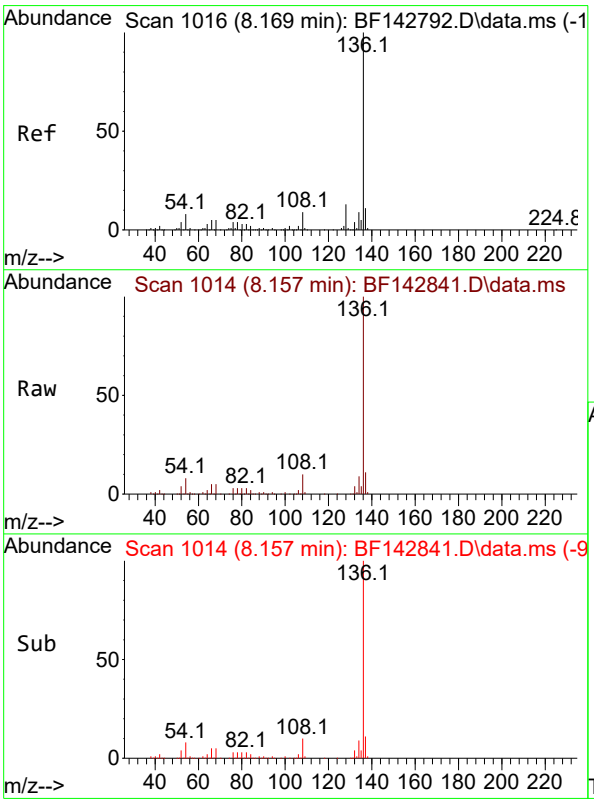
#7
Phenol-d6
Concen: 85.970 ng
RT: 6.504 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142841.D
Acq: 25 Jun 2025 17:02

Instrument :
BNA_F
ClientSampleId :
PARK AVE -2

Tgt Ion: 99 Resp: 485476

Ion	Ratio	Lower	Upper
99	100		
42	19.8	15.9	23.9
71	35.3	27.8	41.8

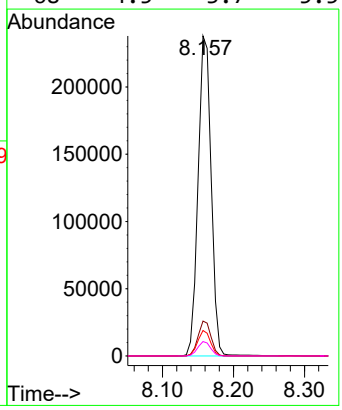


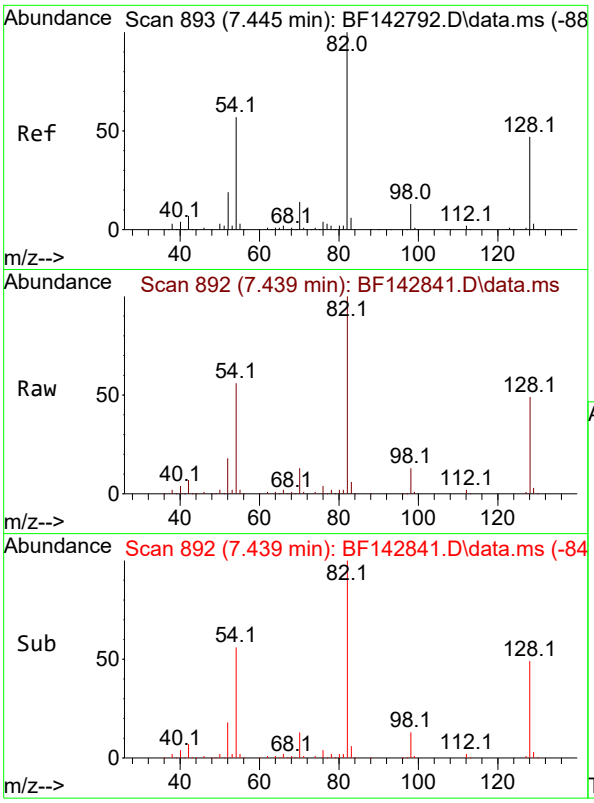


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF142841.D
Acq: 25 Jun 2025 17:02

Tgt Ion:136 Resp: 305909

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.4	12.6
54	7.9	6.3	9.5
68	4.5	3.7	5.5



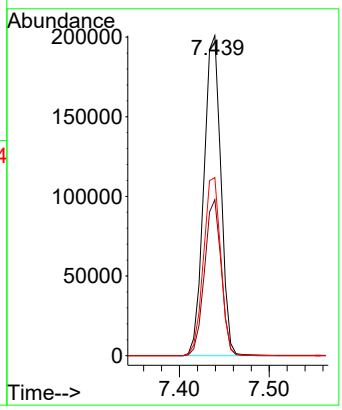


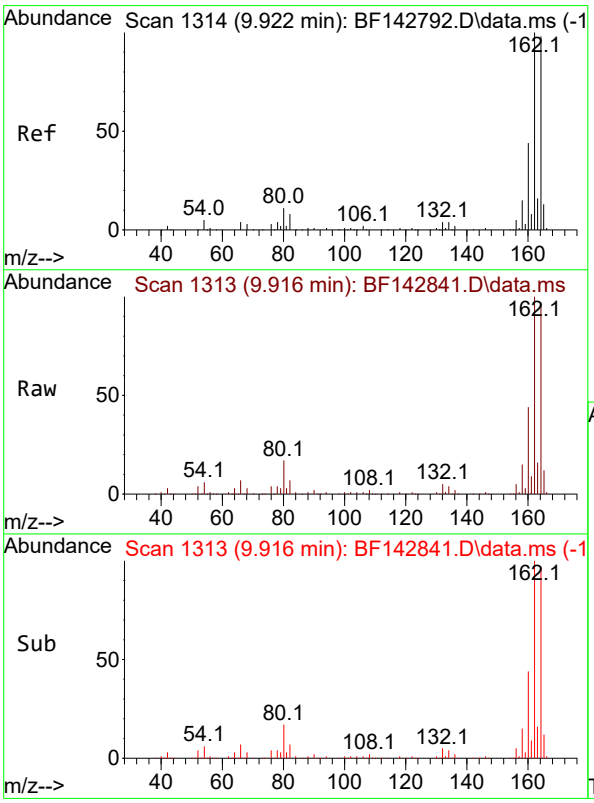
#23
Nitrobenzene-d5
Concen: 47.448 ng
RT: 7.439 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142841.D
Acq: 25 Jun 2025 17:02

Instrument :
BNA_F
ClientSampleId :
PARK AVE -2

Tgt Ion: 82 Resp: 264621

Ion	Ratio	Lower	Upper
82	100		
128	48.8	37.7	56.5
54	55.7	45.7	68.5

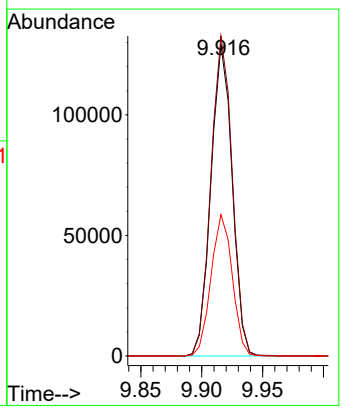


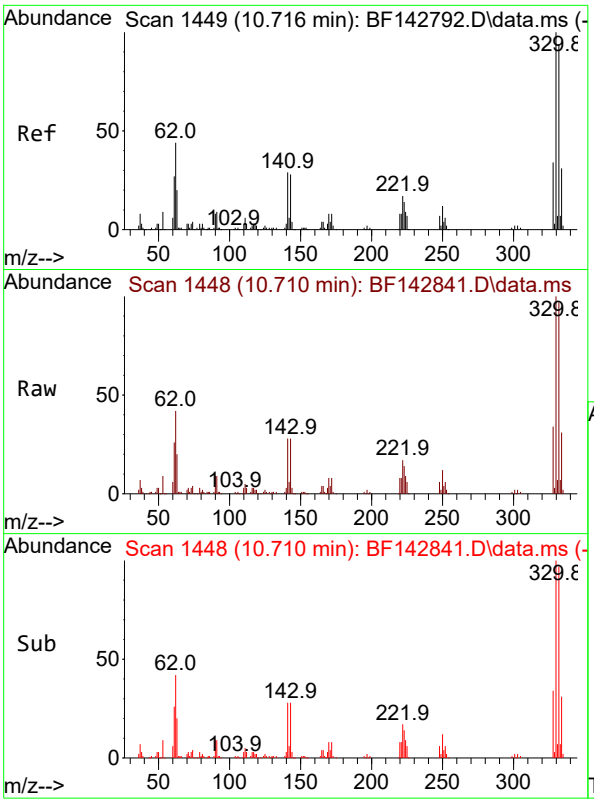


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.006 min
Lab File: BF142841.D
Acq: 25 Jun 2025 17:02

Tgt Ion:164 Resp: 156047

Ion	Ratio	Lower	Upper
164	100		
162	102.8	81.8	122.8
160	45.4	36.0	54.0



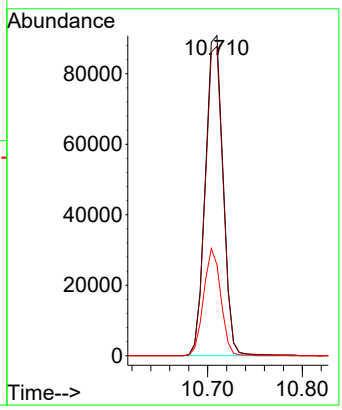


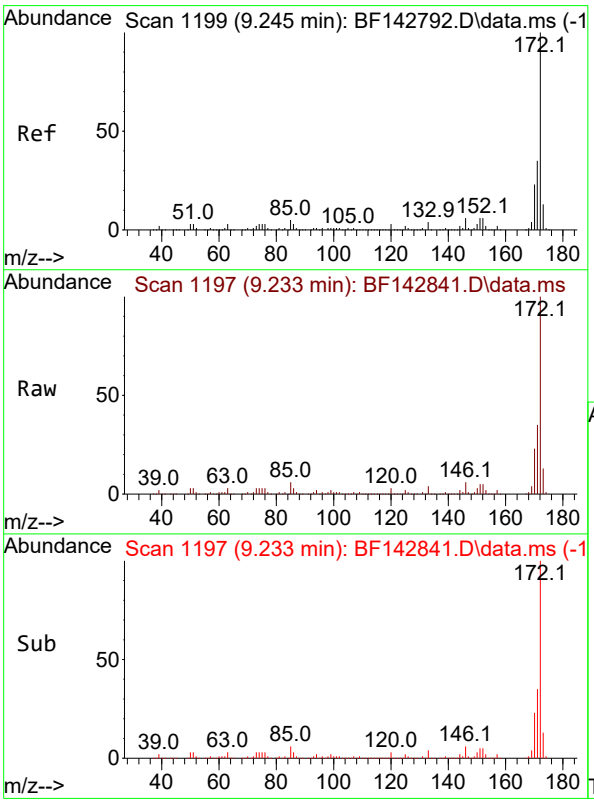
#42
2,4,6-Tribromophenol
Concen: 73.521 ng
RT: 10.710 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142841.D
Acq: 25 Jun 2025 17:02

Instrument :
BNA_F
ClientSampleId :
PARK AVE -2

Tgt Ion:330 Resp: 118063

Ion	Ratio	Lower	Upper
330	100		
332	97.0	75.0	112.6
141	32.2	25.3	37.9

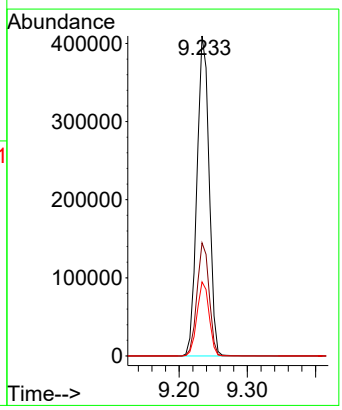


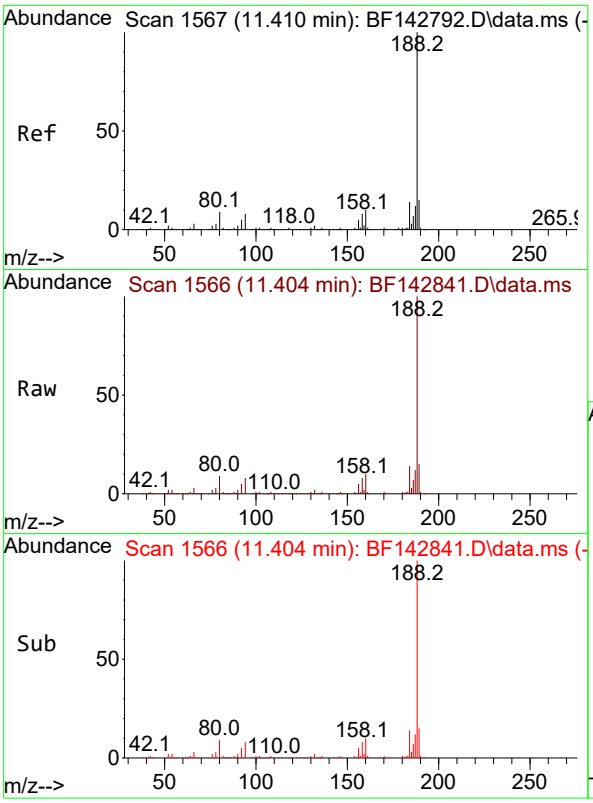


#45
2-Fluorobiphenyl
Concen: 42.707 ng
RT: 9.233 min Scan# 1197
Delta R.T. -0.012 min
Lab File: BF142841.D
Acq: 25 Jun 2025 17:02

Tgt Ion:172 Resp: 507303

Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.2	42.4
170	23.1	18.5	27.7



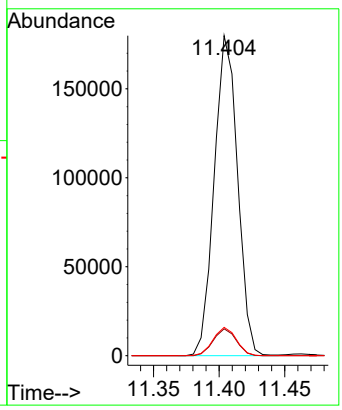


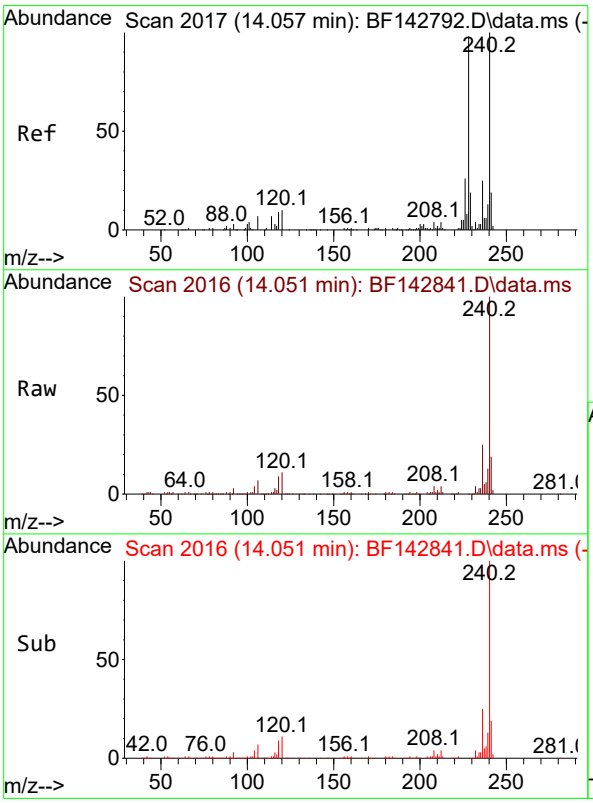
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142841.D
Acq: 25 Jun 2025 17:02

Instrument :
BNA_F
ClientSampleId :
PARK AVE -2

Tgt Ion:188 Resp: 222655

Ion	Ratio	Lower	Upper
188	100		
94	8.4	6.7	10.1
80	8.9	6.9	10.3

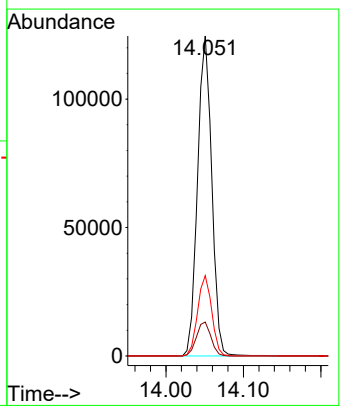


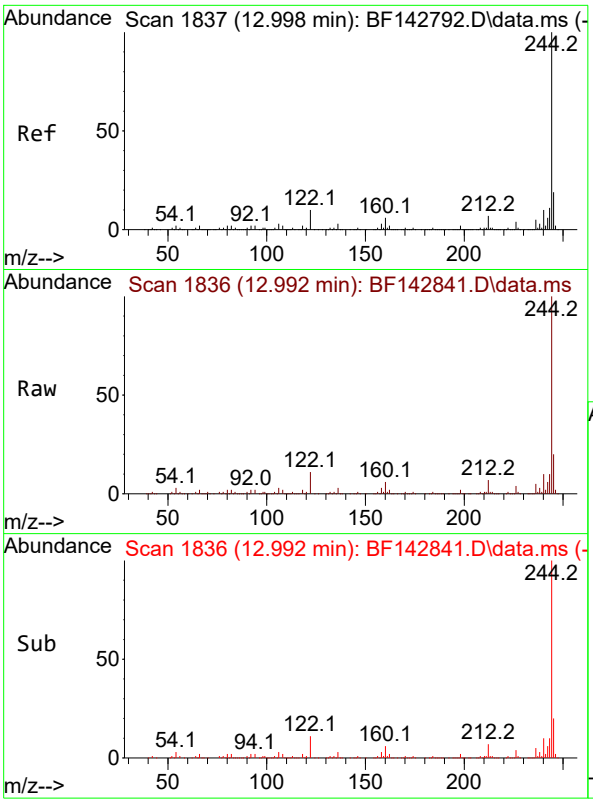


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF142841.D
Acq: 25 Jun 2025 17:02

Tgt Ion:240 Resp: 158233

Ion	Ratio	Lower	Upper
240	100		
120	10.6	8.2	12.2
236	25.1	19.8	29.8



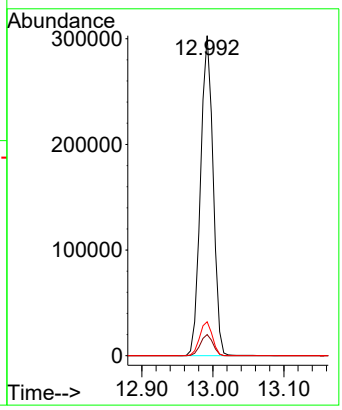


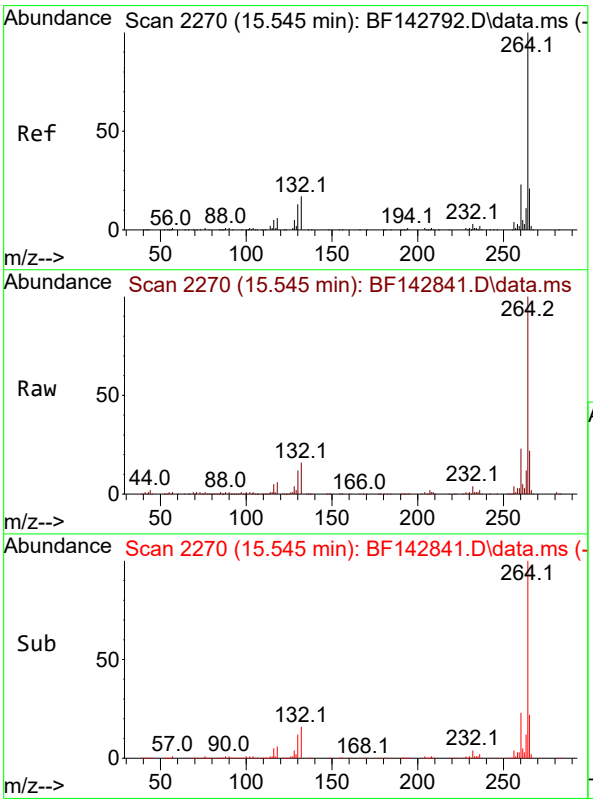
#79
Terphenyl-d14
Concen: 32.612 ng
RT: 12.992 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142841.D
Acq: 25 Jun 2025 17:02

Instrument :
BNA_F
ClientSampleId :
PARK AVE -2

Tgt Ion:244 Resp: 373474

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.4	8.0
122	10.6	8.2	12.2

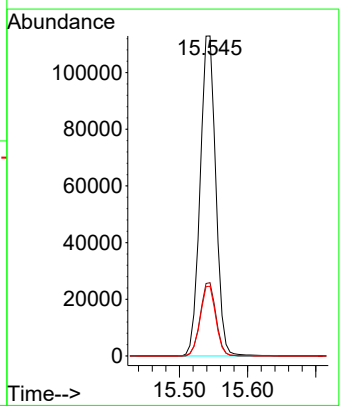




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2270
Delta R.T. -0.000 min
Lab File: BF142841.D
Acq: 25 Jun 2025 17:02

Tgt Ion:264 Resp: 179947

Ion	Ratio	Lower	Upper
264	100		
260	22.9	18.1	27.1
265	21.8	16.6	25.0



Sample Results: **BF142841.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062525\
Data File : BF142841.D
Acq On : 25 Jun 2025 17:02
Operator : RC/JU
Sample : Q2393-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PARK AVE -2

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF142841.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.092	485	493	500	rBV	101182	150544	10.62%	1.423%
2	5.492	556	561	574	rBV	983461	1296552	91.51%	12.257%
3	6.504	727	733	738	rBV	1055830	1388792	98.02%	13.129%
4	6.875	791	796	801	rBV	374522	451504	31.87%	4.268%
5	7.439	886	892	897	rBV	611129	803917	56.74%	7.600%
6	8.157	1009	1014	1022	rBV	466536	592103	41.79%	5.597%
7	9.233	1192	1197	1202	rBV	1155874	1416896	100.00%	13.395%
8	9.916	1308	1313	1318	rVB	534077	645327	45.55%	6.101%
9	10.627	1427	1434	1442	rVB	111859	138232	9.76%	1.307%
10	10.704	1442	1447	1456	rBV	699301	885939	62.53%	8.375%
11	11.404	1561	1566	1571	rBV	430139	530475	37.44%	5.015%
12	11.927	1649	1655	1672	rBV2	136981	224964	15.88%	2.127%
13	12.716	1783	1789	1799	rBV	27175	49785	3.51%	0.471%
14	12.992	1830	1836	1841	rBV	795787	980801	69.22%	9.272%
15	13.892	1983	1989	2000	rBV	43862	89139	6.29%	0.843%
16	14.051	2011	2016	2023	rVB	327514	418138	29.51%	3.953%
17	14.510	2091	2094	2099	rBV	10230	14899	1.05%	0.141%
18	15.168	2202	2206	2211	rBV	11861	17169	1.21%	0.162%
19	15.539	2263	2269	2279	rBV	299822	482863	34.08%	4.565%

Sum of corrected areas: 10578039

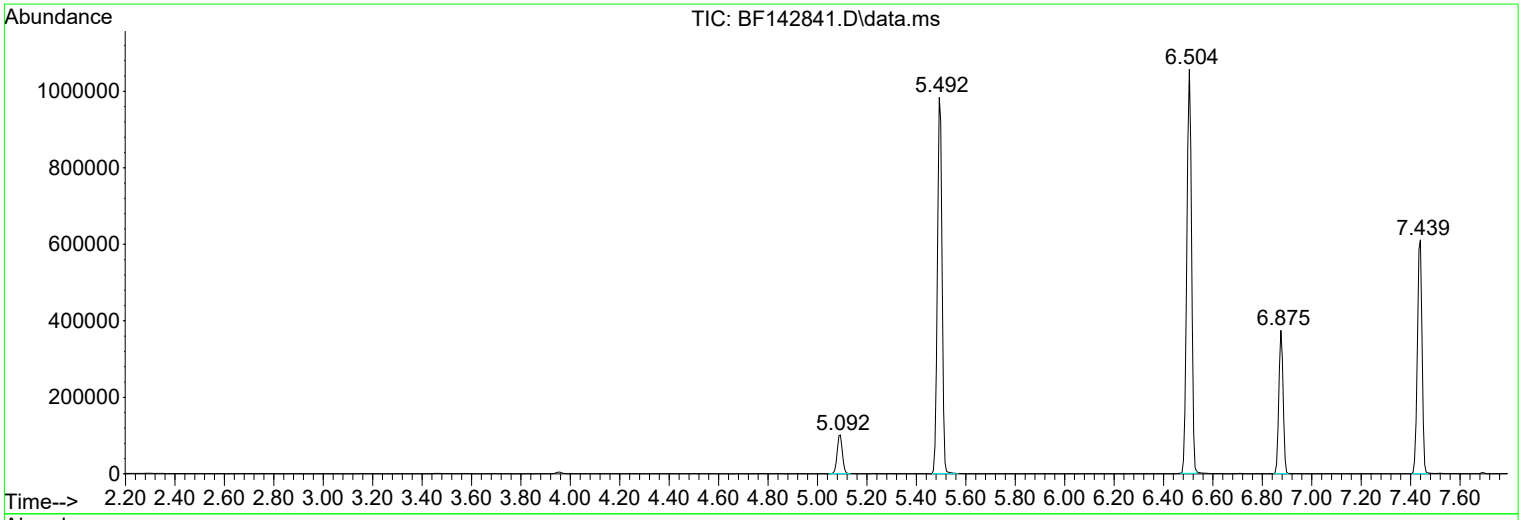
Sample Results: **BF142841.D**

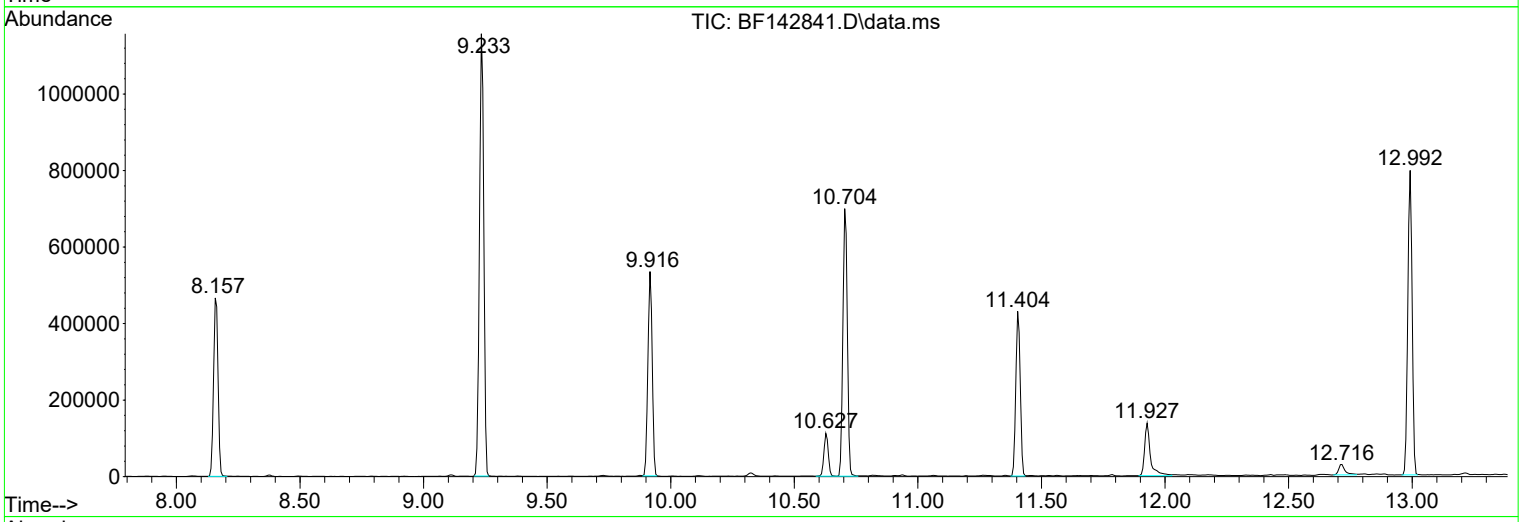
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062525\
Data File : BF142841.D
Acq On : 25 Jun 2025 17:02
Operator : RC/JU
Sample : Q2393-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

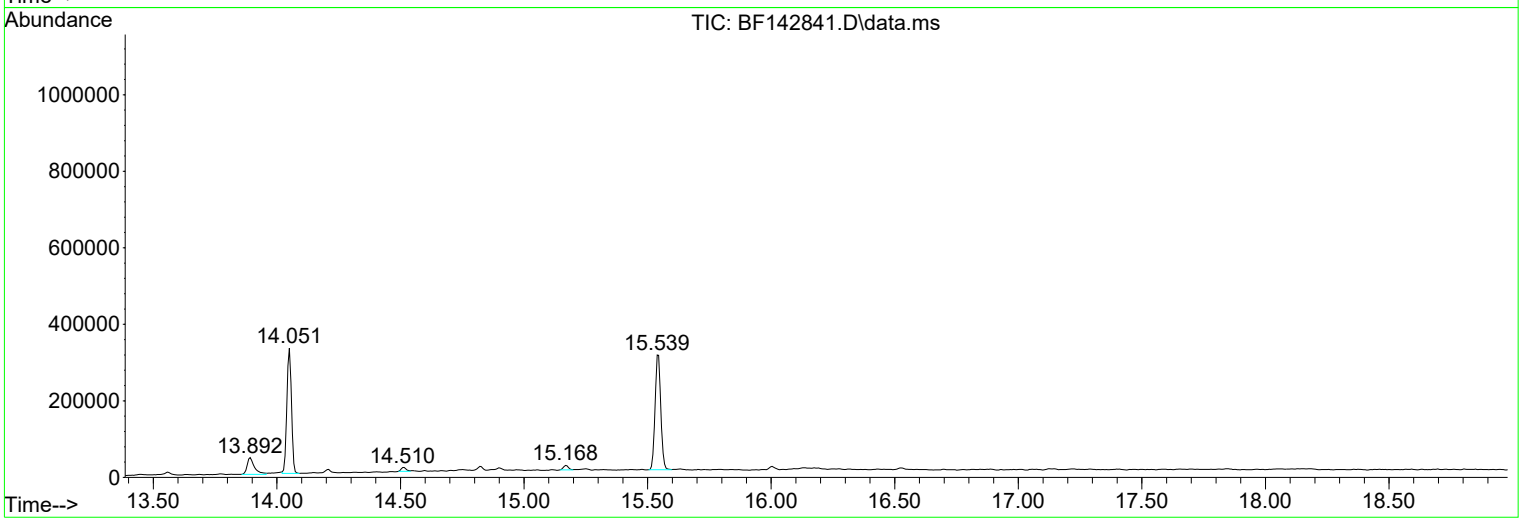
Instrument :
BNA_F
ClientSampleId :
PARK AVE -2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P







Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062525\
Data File : BF142841.D
Acq On : 25 Jun 2025 17:02
Operator : RC/JU
Sample : Q2393-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PARK AVE -2

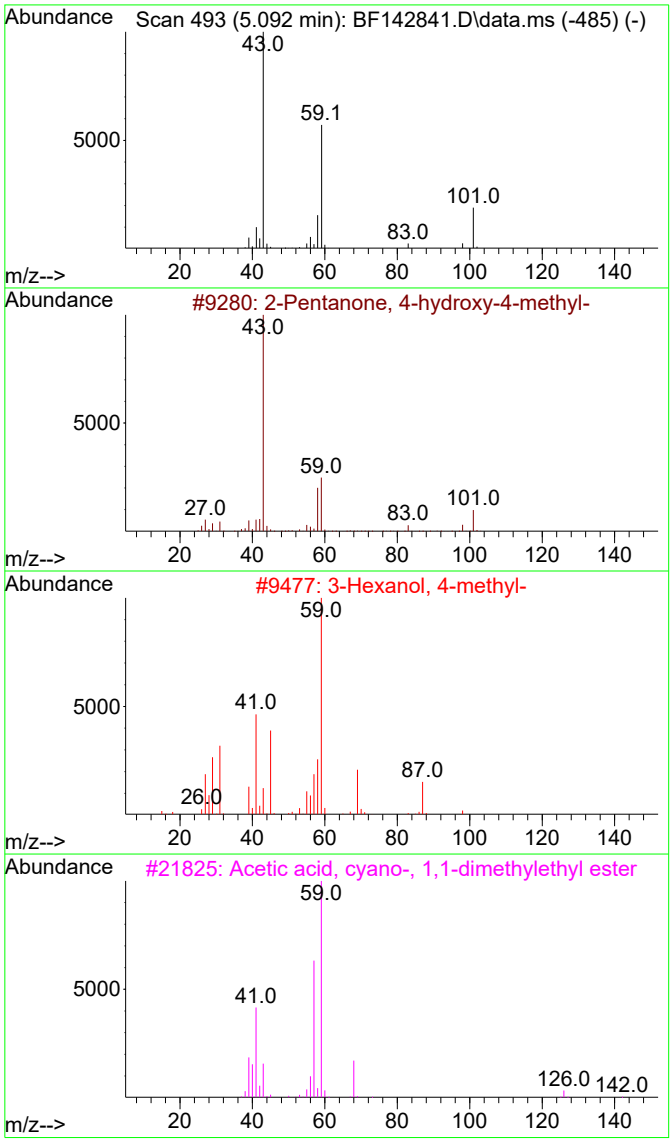
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

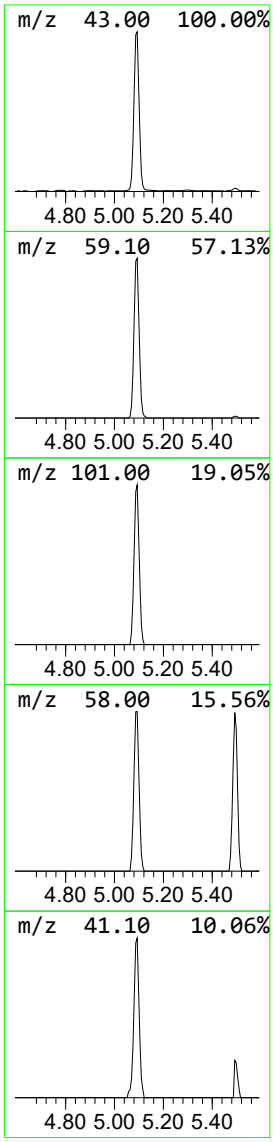
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.092	6.67 ng	150544	1,4-Dichlorobenzene-d4	6.875

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	28
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
4	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10
5	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062525\
Data File : BF142841.D
Acq On : 25 Jun 2025 17:02
Operator : RC/JU
Sample : Q2393-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PARK AVE -2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

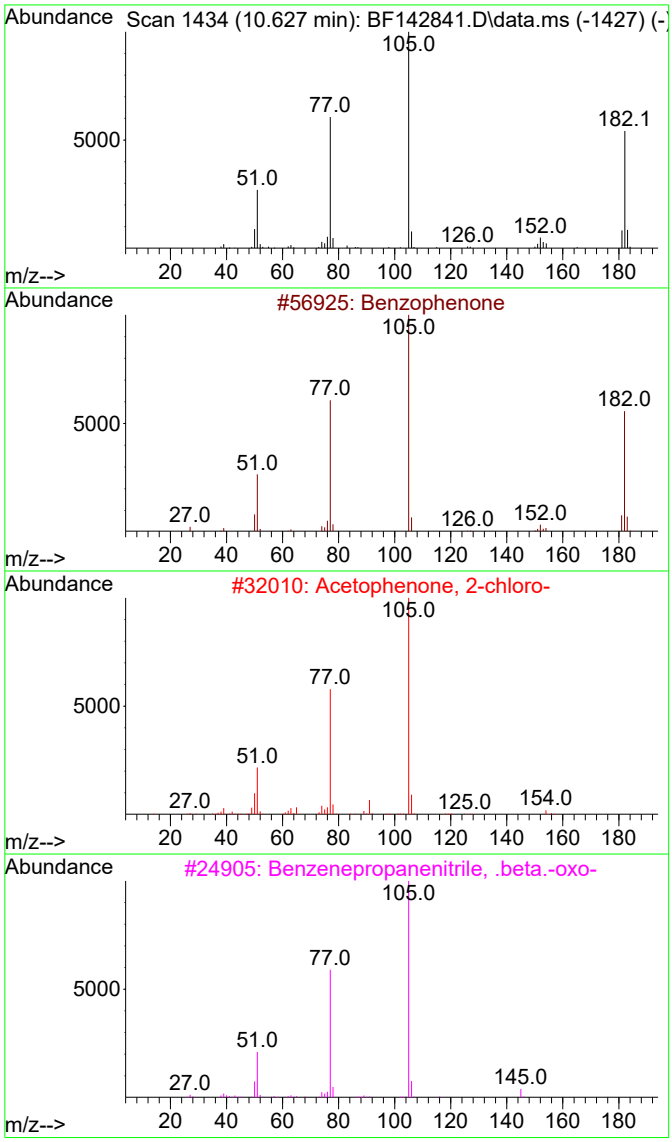
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

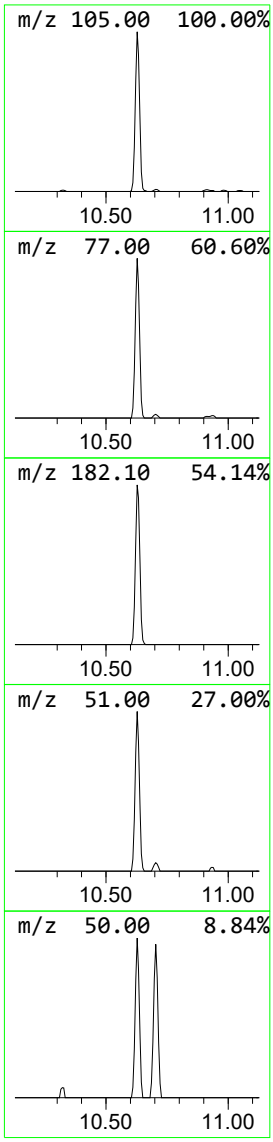
****

Peak Number 2 Benzophenone Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.627	4.28 ng	138232	Acenaphthene-d10	9.916

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	Acetophenone, 2-chloro-	154	C8H7ClO	000532-27-4	49
3	Benzenepropanenitrile, .beta.-oxo-	145	C9H7NO	000614-16-4	47
4	N-Methylbenzamide, N-trifluoroac...	231	C10H8F3NO2	1000446-91-5	47
5	acetic acid, 2-bromo-, 2-oxo-2-p...	256	C10H9BrO3	1000401-50-0	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062525\
Data File : BF142841.D
Acq On : 25 Jun 2025 17:02
Operator : RC/JU
Sample : Q2393-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PARK AVE -2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

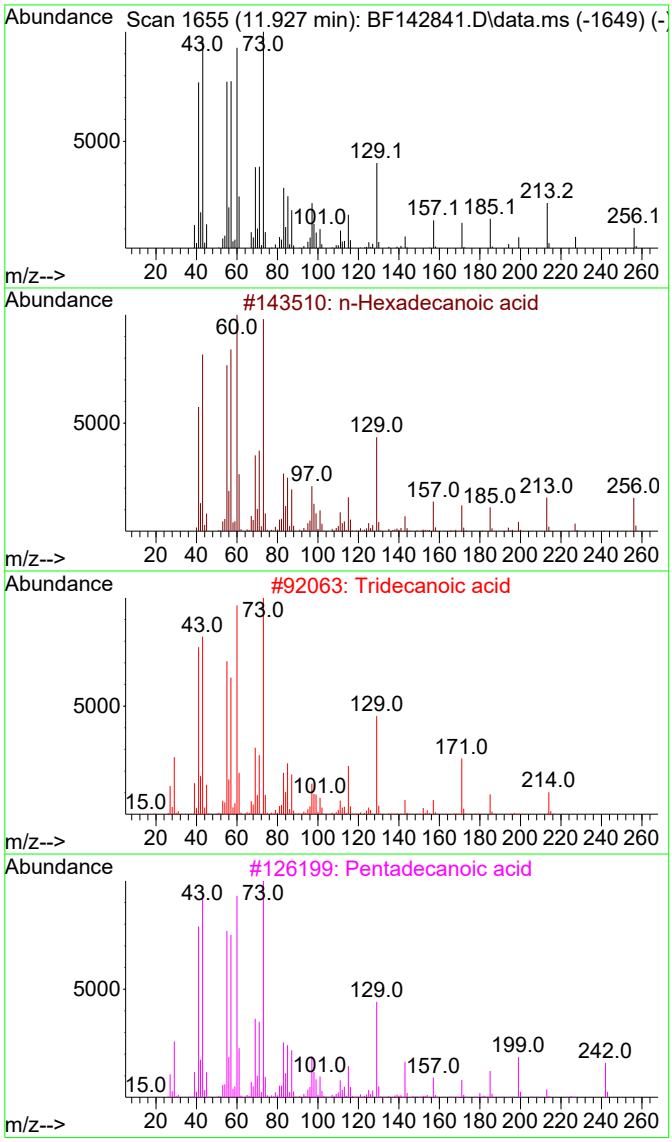
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TIC Integration Parameters: LSCINT.P

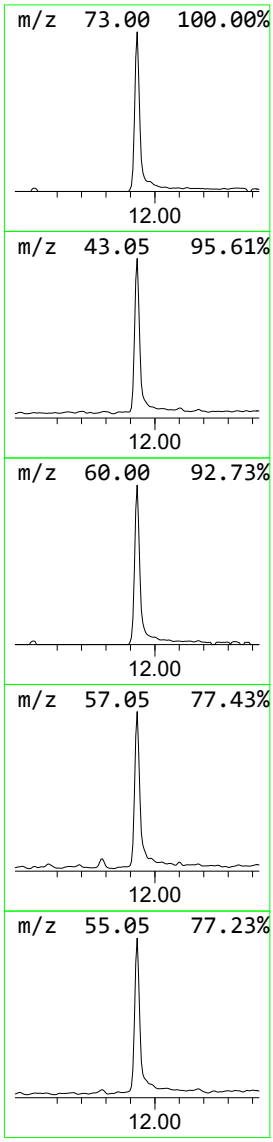
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Peak Number 3 n-Hexadecanoic acid Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.927	8.48 ng	224964	Phenanthrene-d10	11.404

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Tridecanoic acid	214	C13H26O2	000638-53-9	93
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	91
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	83
5	n-Decanoic acid	172	C10H20O2	000334-48-5	62





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062525\
Data File : BF142841.D
Acq On : 25 Jun 2025 17:02
Operator : RC/JU
Sample : Q2393-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PARK AVE -2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

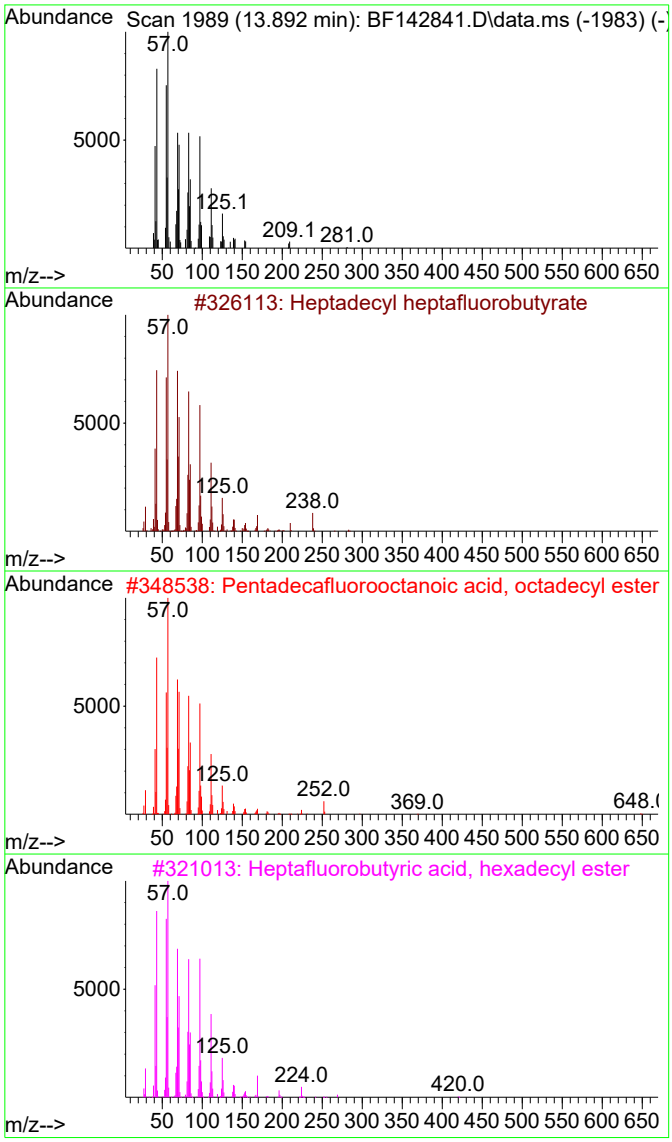
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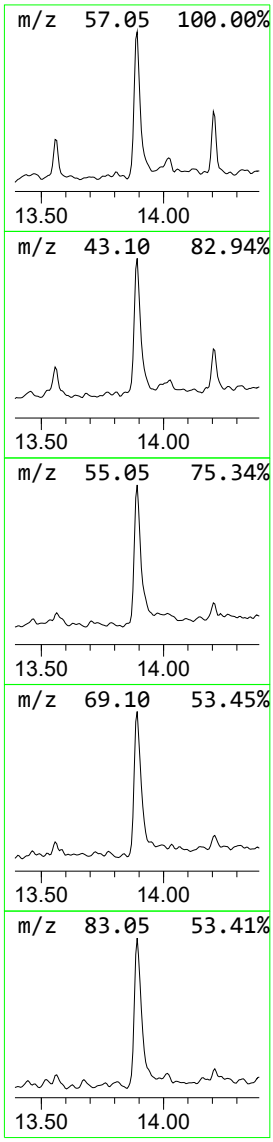
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Peak Number 4 Heptadecyl heptafluorobutyrate Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.892	4.26 ng	89139	Chrysene-d12	14.051

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	95
2	Pentadecafluorooctanoic acid, oc...	666	C26H37F15O2	1000406-04-8	95
3	Heptafluorobutyric acid, hexadec...	438	C20H33F7O2	006385-15-5	95
4	Pentafluoropropionic acid, hepta...	402	C20H35F5O2	959218-78-1	94
5	Heptadecyl trifluoroacetate	352	C19H35F3O2	1010351-87-0	94





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062525\
Data File : BF142841.D
Acq On : 25 Jun 2025 17:02
Operator : RC/JU
Sample : Q2393-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PARK AVE -2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-...	5.092	6.7	ng	150544	1	6.875	451504	20.0
Benzophenone	10.627	4.3	ng	138232	3	9.916	645327	20.0
n-Hexadecanoic ...	11.927	8.5	ng	224964	4	11.404	530475	20.0
Heptadecyl hept...	13.892	4.3	ng	89139	5	14.051	418138	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
Data File : BF142824.D
Acq On : 24 Jun 2025 17:33
Operator : RC/JU
Sample : Q2393-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PARK AVE -3

Quant Time: Jun 24 18:02:37 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

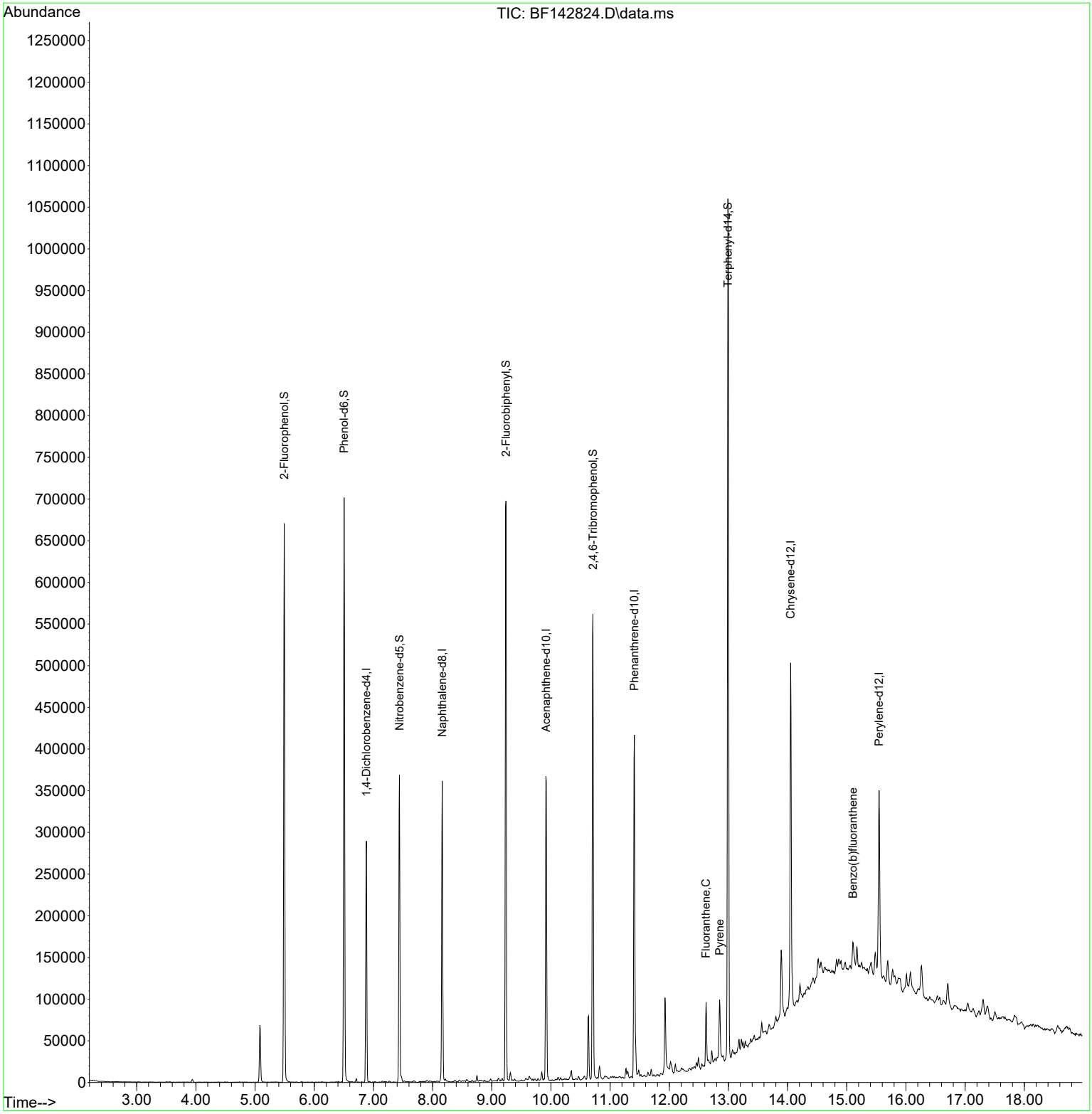
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	63043	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	226294	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	112057	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	215299	20.000	ng	0.00
76) Chrysene-d12	14.051	240	191648	20.000	ng	0.00
86) Perylene-d12	15.545	264	128238	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	250519	66.160	ng	0.00
7) Phenol-d6	6.504	99	310518	69.508	ng	0.00
23) Nitrobenzene-d5	7.439	82	151433	36.705	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	95486	82.805	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	317524	37.224	ng	0.00
79) Terphenyl-d14	12.992	244	504565	36.377	ng	0.00
Target Compounds						Qvalue
75) Fluoranthene	12.621	202	42021	3.796	ng	100
78) Pyrene	12.851	202	40452	2.252	ng	98
88) Benzo(b)fluoranthene	15.104	252	17137m	2.309	ng	

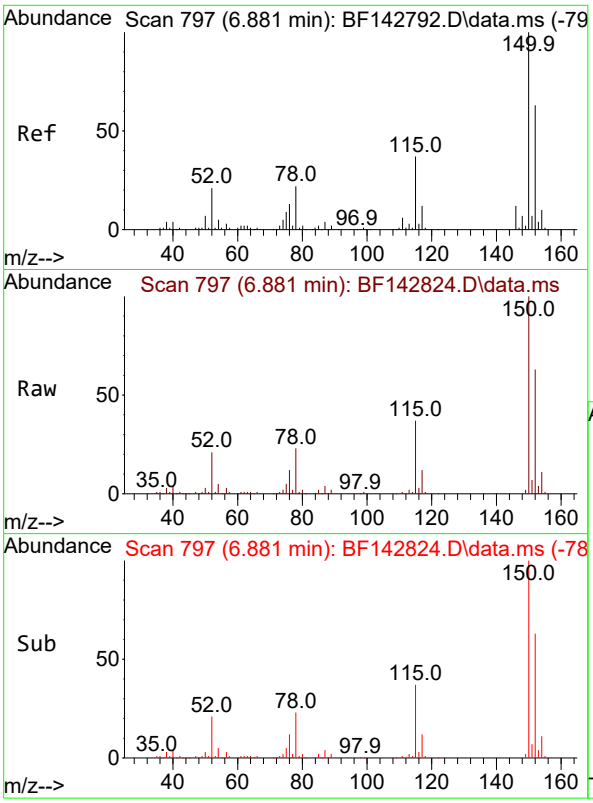
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
Data File : BF142824.D
Acq On : 24 Jun 2025 17:33
Operator : RC/JU
Sample : Q2393-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PARK AVE -3

Quant Time: Jun 24 18:02:37 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration



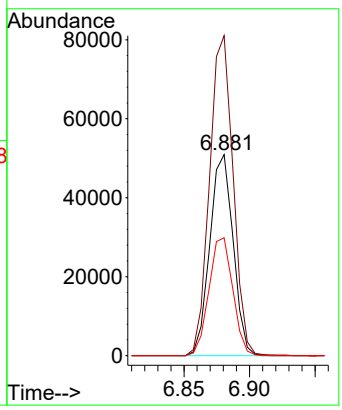


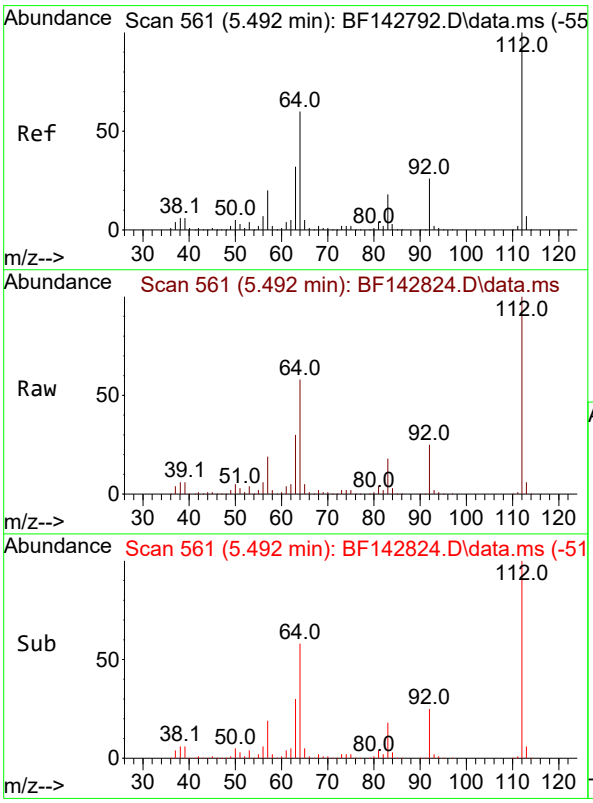
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF142824.D
Acq: 24 Jun 2025 17:33

Instrument :
BNA_F
ClientSampleId :
PARK AVE -3

Tgt Ion:152 Resp: 63043

Ion	Ratio	Lower	Upper
152	100		
150	159.1	127.2	190.8
115	58.7	46.6	69.8

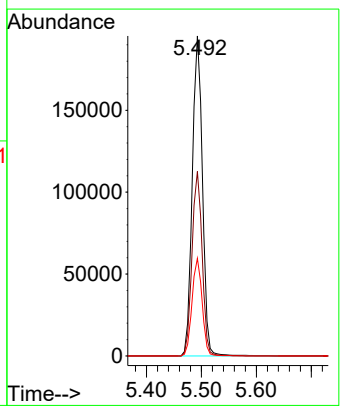


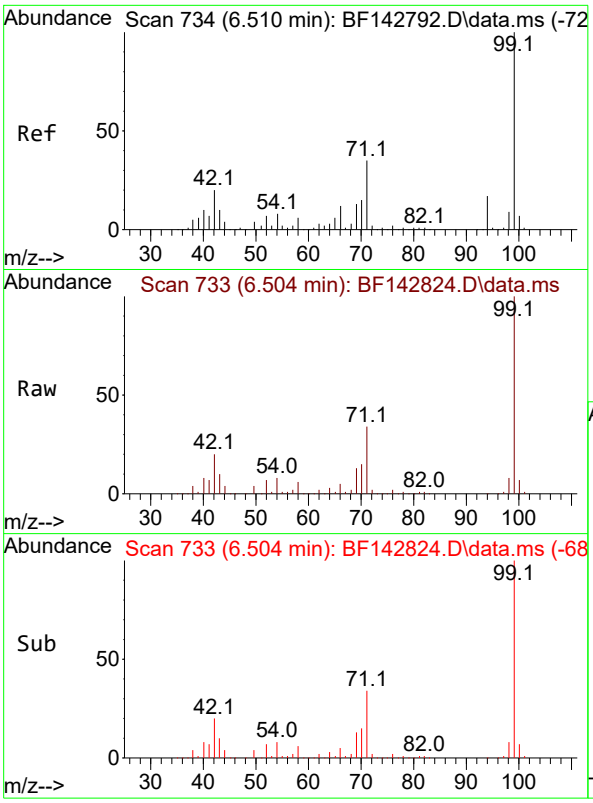


#5
2-Fluorophenol
Concen: 66.160 ng
RT: 5.492 min Scan# 561
Delta R.T. 0.000 min
Lab File: BF142824.D
Acq: 24 Jun 2025 17:33

Tgt Ion:112 Resp: 250519

Ion	Ratio	Lower	Upper
112	100		
64	57.7	48.2	72.2
63	30.5	25.7	38.5



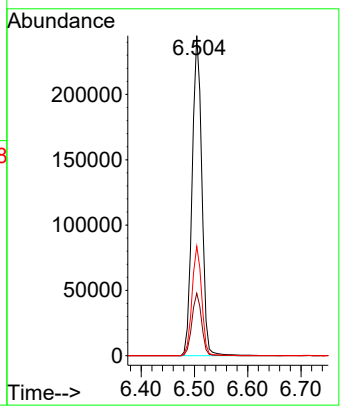


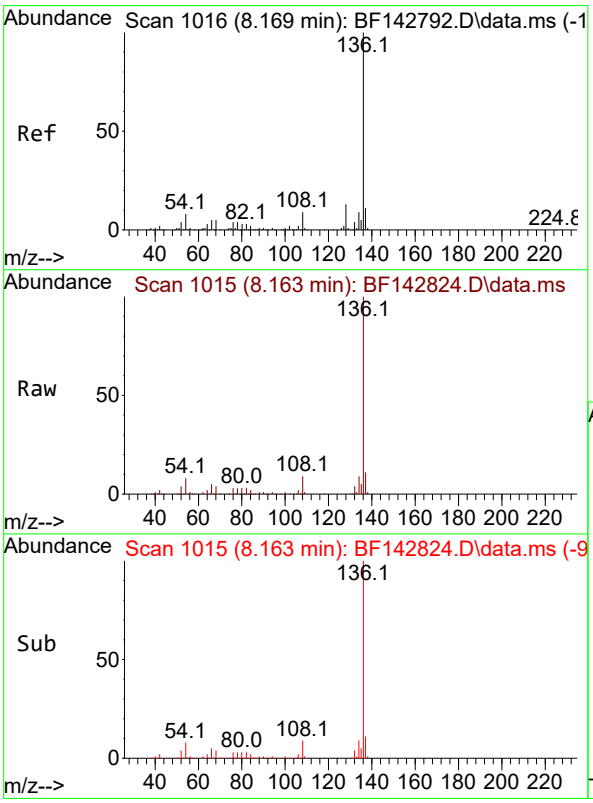
#7
Phenol-d6
Concen: 69.508 ng
RT: 6.504 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142824.D
Acq: 24 Jun 2025 17:33

Instrument :
BNA_F
ClientSampleId :
PARK AVE -3

Tgt Ion: 99 Resp: 310518

Ion	Ratio	Lower	Upper
99	100		
42	19.5	15.9	23.9
71	34.2	27.8	41.8

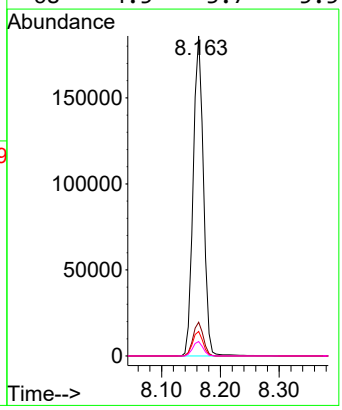


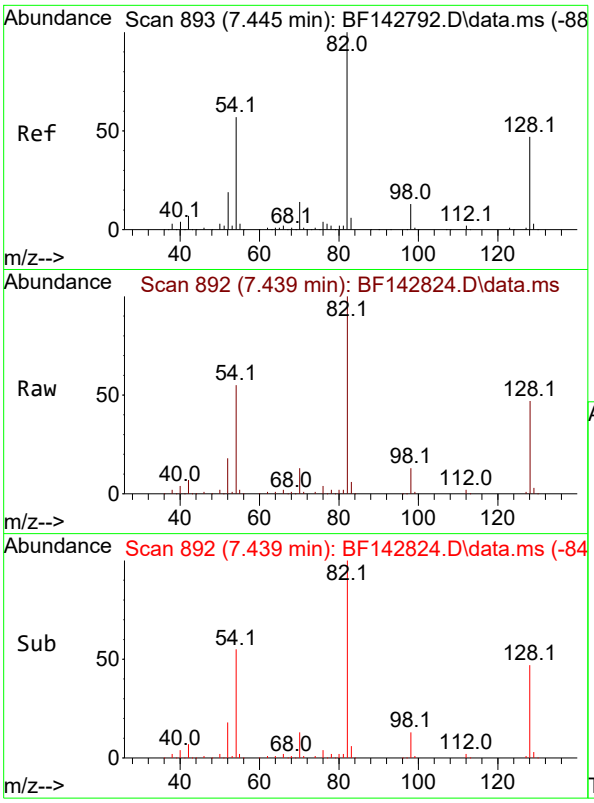


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1015
Delta R.T. -0.006 min
Lab File: BF142824.D
Acq: 24 Jun 2025 17:33

Tgt Ion:136 Resp: 226294

Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.4	12.6
54	7.7	6.3	9.5
68	4.5	3.7	5.5



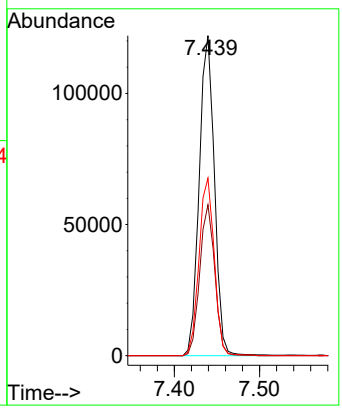


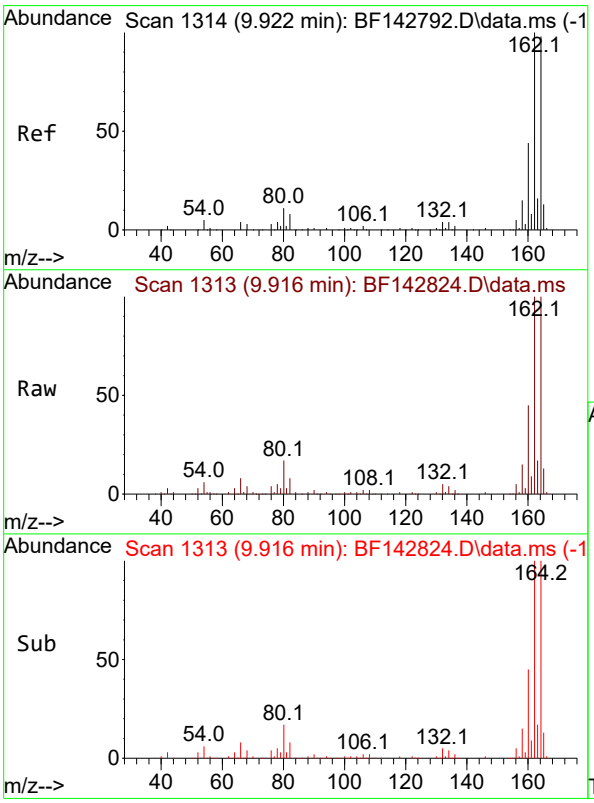
#23
Nitrobenzene-d5
Concen: 36.705 ng
RT: 7.439 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142824.D
Acq: 24 Jun 2025 17:33

Instrument :
BNA_F
ClientSampleId :
PARK AVE -3

Tgt Ion: 82 Resp: 151433

Ion	Ratio	Lower	Upper
82	100		
128	47.2	37.7	56.5
54	55.5	45.7	68.5

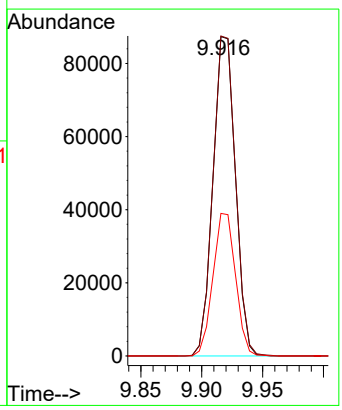


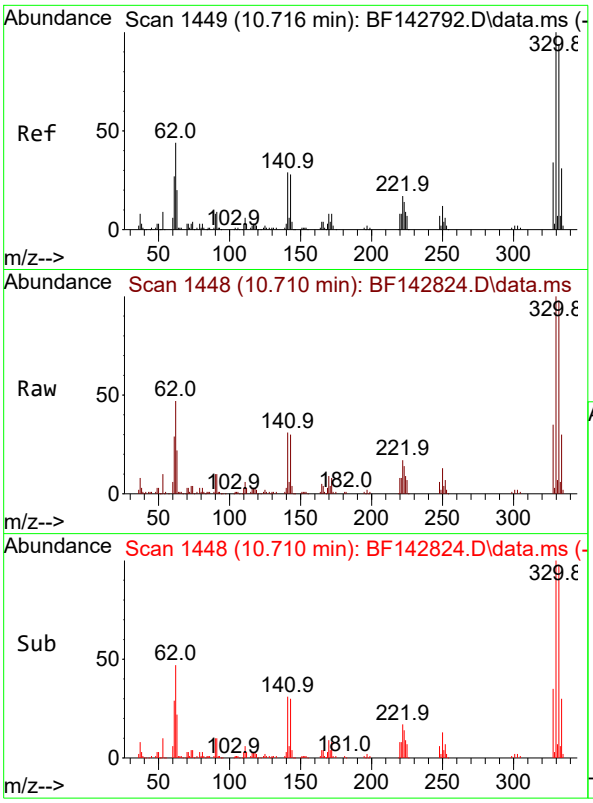


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.006 min
Lab File: BF142824.D
Acq: 24 Jun 2025 17:33

Tgt Ion:164 Resp: 112057

Ion	Ratio	Lower	Upper
164	100		
162	100.2	81.8	122.8
160	44.6	36.0	54.0



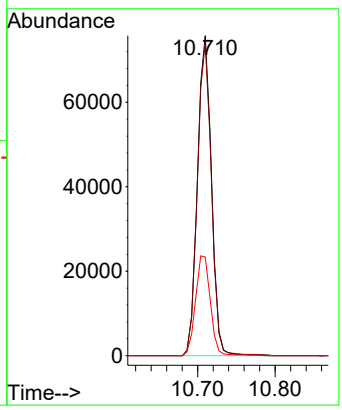


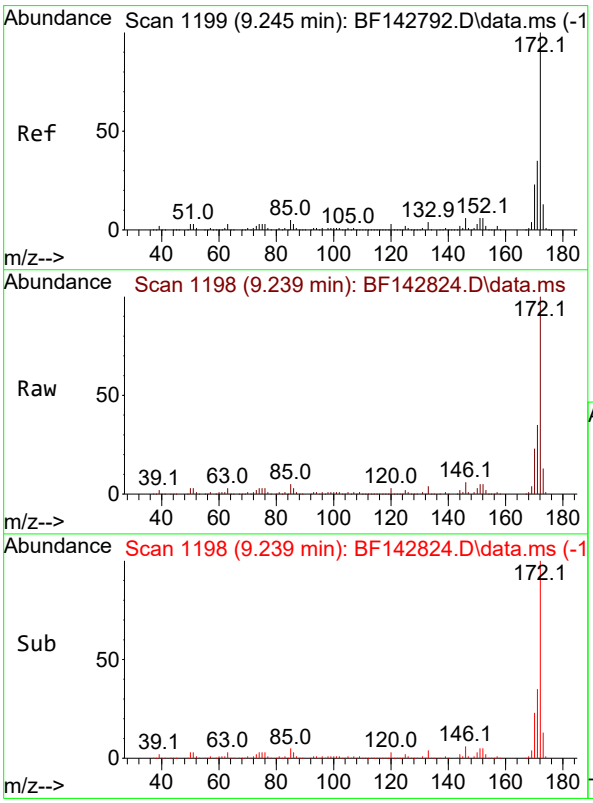
#42
2,4,6-Tribromophenol
Concen: 82.805 ng
RT: 10.710 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142824.D
Acq: 24 Jun 2025 17:33

Instrument :
BNA_F
ClientSampleId :
PARK AVE -3

Tgt Ion:330 Resp: 95486

Ion	Ratio	Lower	Upper
330	100		
332	97.4	75.0	112.6
141	33.1	25.3	37.9

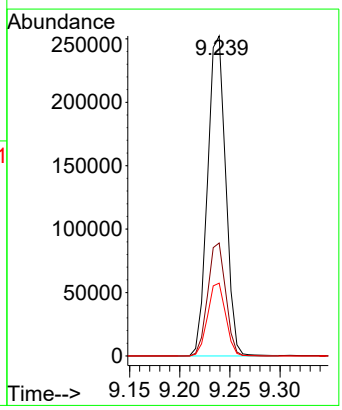


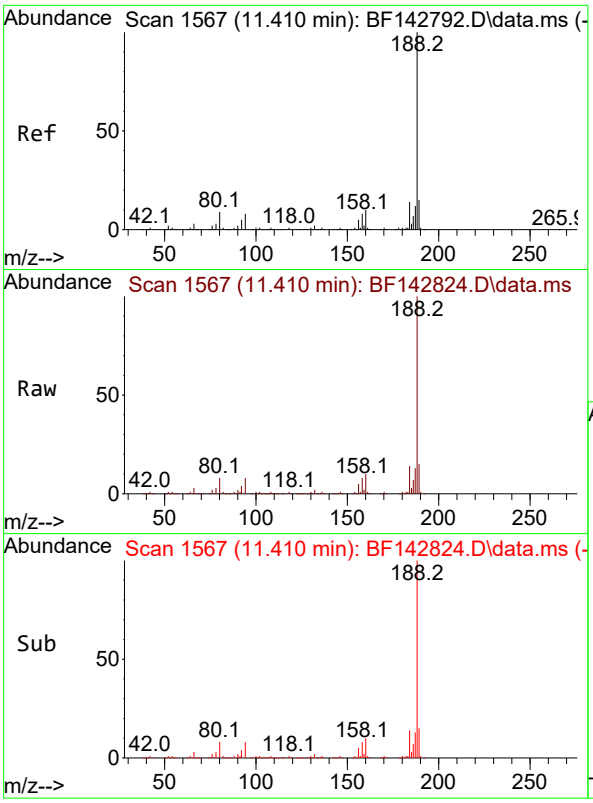


#45
2-Fluorobiphenyl
Concen: 37.224 ng
RT: 9.239 min Scan# 1198
Delta R.T. -0.006 min
Lab File: BF142824.D
Acq: 24 Jun 2025 17:33

Tgt Ion:172 Resp: 317524

Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.2	42.4
170	22.7	18.5	27.7



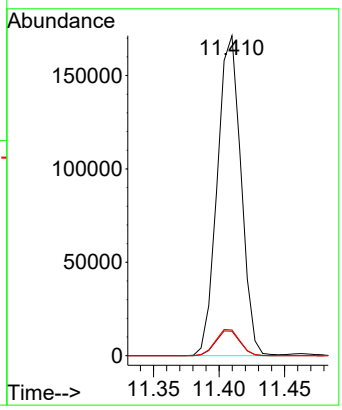


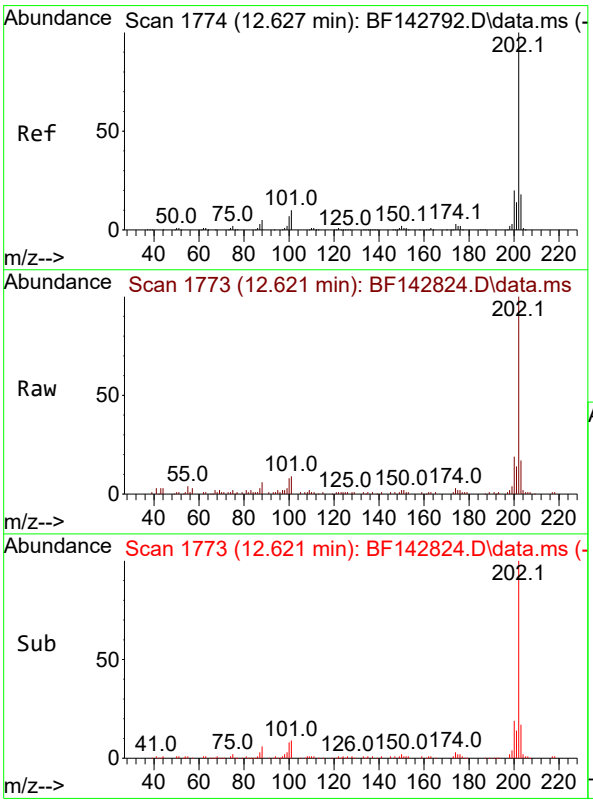
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142824.D
Acq: 24 Jun 2025 17:33

Instrument :
BNA_F
ClientSampleId :
PARK AVE -3

Tgt Ion:188 Resp: 215299

Ion	Ratio	Lower	Upper
188	100		
94	7.7	6.7	10.1
80	8.0	6.9	10.3

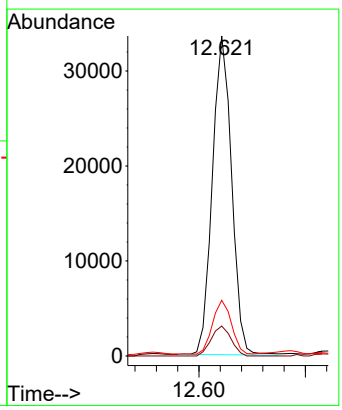


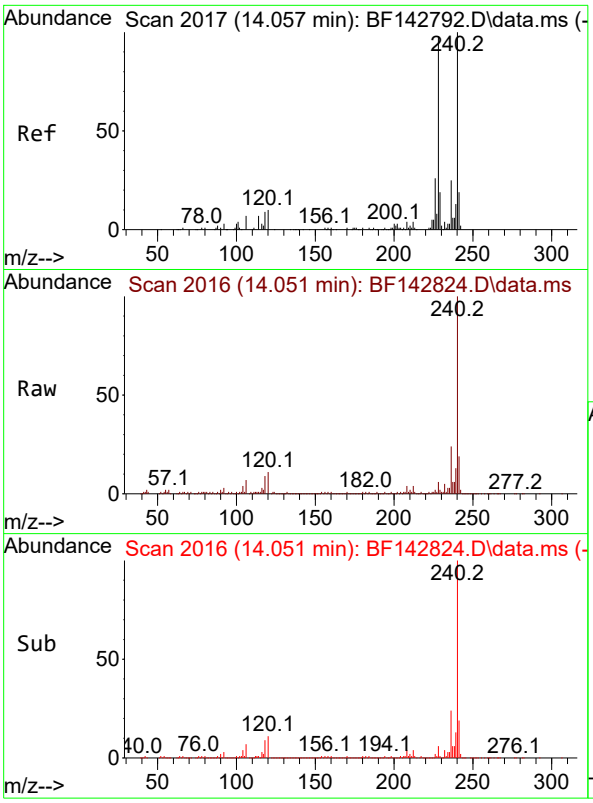


#75
Fluoranthene
Concen: 3.796 ng
RT: 12.621 min Scan# 1773
Delta R.T. -0.006 min
Lab File: BF142824.D
Acq: 24 Jun 2025 17:33

Tgt Ion:202 Resp: 42021

Ion	Ratio	Lower	Upper
202	100		
101	9.3	0.0	29.7
203	17.4	0.0	37.5



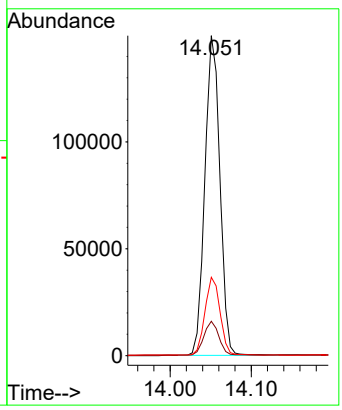


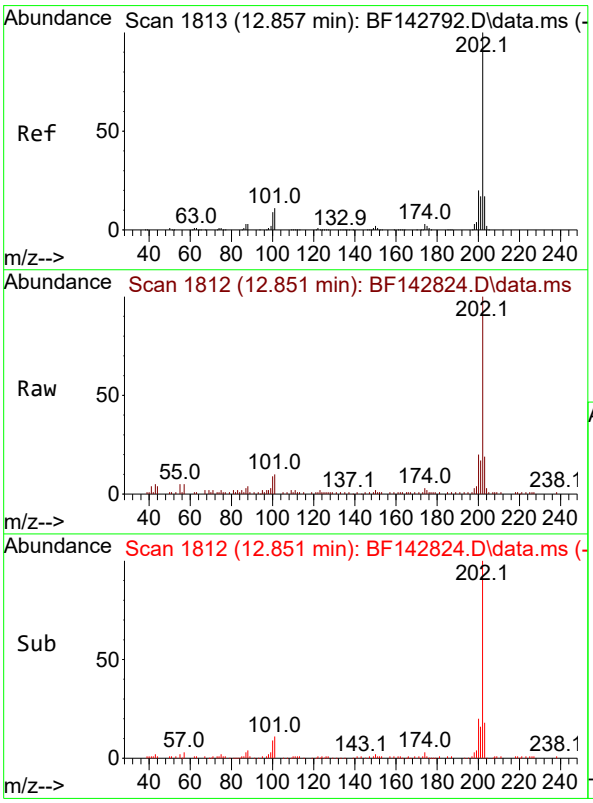
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142824.D
Acq: 24 Jun 2025 17:33

Instrument :
BNA_F
ClientSampleId :
PARK AVE -3

Tgt Ion:240 Resp: 191648

Ion	Ratio	Lower	Upper
240	100		
120	10.8	8.2	12.2
236	24.5	19.8	29.8

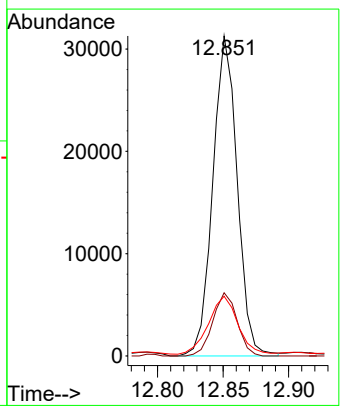


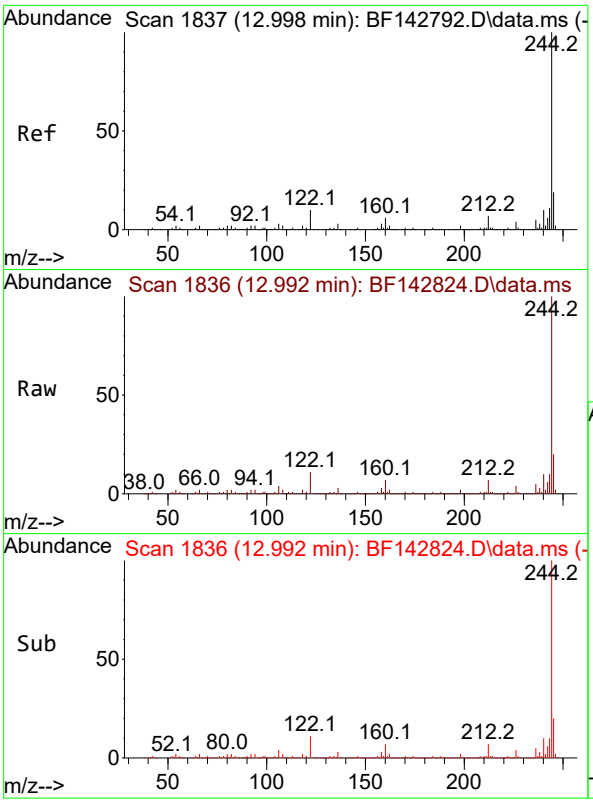


#78
Pyrene
Concen: 2.252 ng
RT: 12.851 min Scan# 1812
Delta R.T. -0.006 min
Lab File: BF142824.D
Acq: 24 Jun 2025 17:33

Tgt Ion:202 Resp: 40452

Ion	Ratio	Lower	Upper
202	100		
200	19.7	15.7	23.5
203	18.7	13.8	20.6



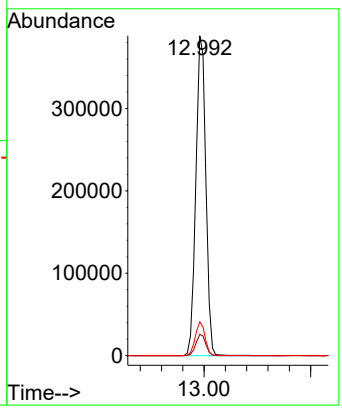


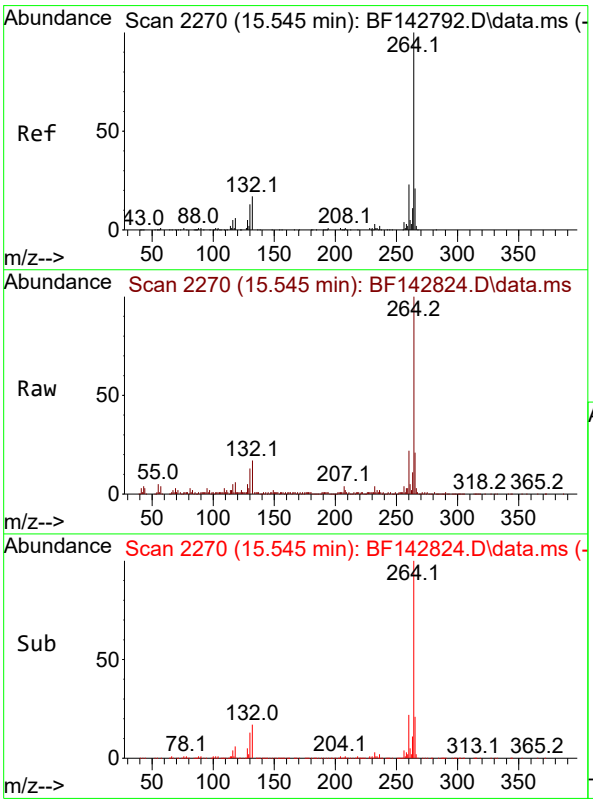
#79
Terphenyl-d14
Concen: 36.377 ng
RT: 12.992 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142824.D
Acq: 24 Jun 2025 17:33

Instrument :
BNA_F
ClientSampleId :
PARK AVE -3

Tgt Ion:244 Resp: 504565

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.4	8.0
122	10.6	8.2	12.2

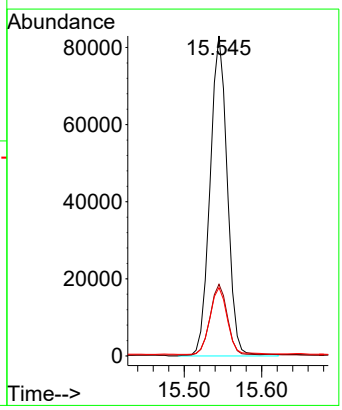


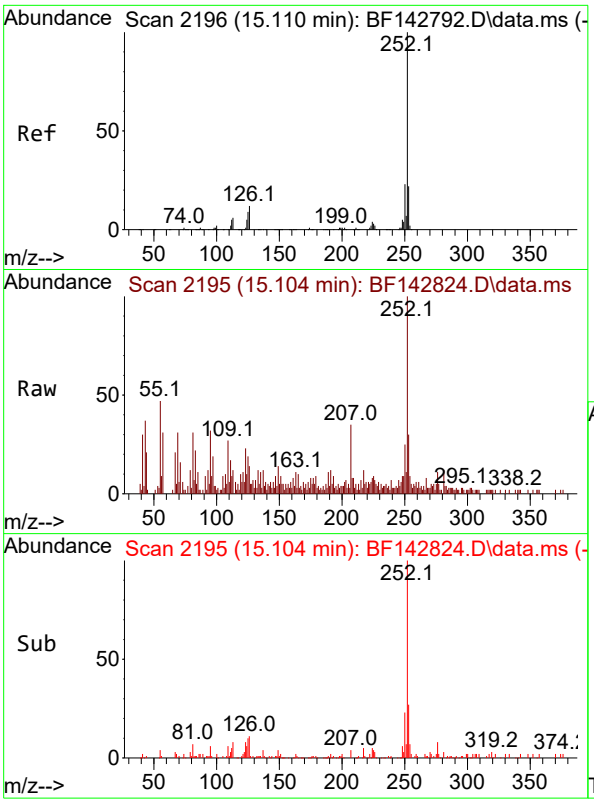


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2270
Delta R.T. 0.000 min
Lab File: BF142824.D
Acq: 24 Jun 2025 17:33

Tgt Ion:264 Resp: 128238

Ion	Ratio	Lower	Upper
264	100		
260	22.4	18.1	27.1
265	21.4	16.6	25.0



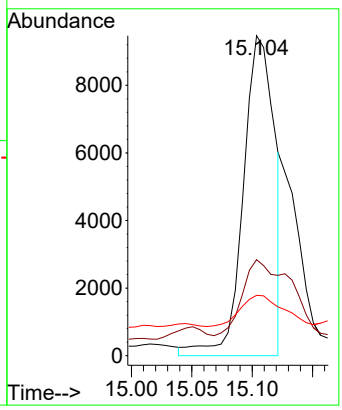


#88
Benzo(b)fluoranthene
Concen: 2.309 ng m
RT: 15.104 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF142824.D
Acq: 24 Jun 2025 17:33

Instrument :
BNA_F
ClientSampleId :
PARK AVE -3

Tgt Ion:252 Resp: 17137

Ion	Ratio	Lower	Upper
252	100		
253	30.0	17.5	26.3#
125	18.8	7.4	11.0#



Sample Results: **BF142824.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
Data File : BF142824.D
Acq On : 24 Jun 2025 17:33
Operator : RC/JU
Sample : Q2393-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PARK AVE -3

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF142824.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.081	483	491	503	rBV	68513	99858	7.44%	1.132%
2	5.492	555	561	580	rBV	670500	855352	63.69%	9.696%
3	6.504	728	733	748	rBV	701195	889344	66.22%	10.082%
4	6.881	792	797	802	rBV	289179	362111	26.96%	4.105%
5	7.439	881	892	897	rBV	368855	459491	34.21%	5.209%
6	8.163	1007	1015	1022	rBV	360639	444762	33.12%	5.042%
7	9.239	1192	1198	1203	rBV	695850	883308	65.77%	10.013%
8	9.916	1309	1313	1318	rBV	363269	463992	34.55%	5.260%
9	10.345	1378	1386	1389	rBV3	10367	16533	1.23%	0.187%
10	10.633	1430	1435	1442	rBV	75381	98861	7.36%	1.121%
11	10.710	1442	1448	1459	rVV	557901	732344	54.53%	8.302%
12	10.822	1463	1467	1477	rVB2	15110	25652	1.91%	0.291%
13	11.269	1538	1543	1545	rBV	11781	16121	1.20%	0.183%
14	11.410	1561	1567	1575	rBV	411235	569475	42.40%	6.456%
15	11.927	1648	1655	1667	rBV3	92301	165172	12.30%	1.872%
16	12.021	1667	1671	1679	rVB4	13655	29133	2.17%	0.330%
17	12.104	1681	1685	1689	rBV2	9943	14103	1.05%	0.160%
18	12.492	1748	1751	1757	rVB5	13182	19412	1.45%	0.220%
19	12.621	1769	1773	1778	rBV	76592	102301	7.62%	1.160%
20	12.716	1786	1789	1794	rBV3	14661	20691	1.54%	0.235%
21	12.851	1807	1812	1820	rBV	69503	103004	7.67%	1.168%
22	12.992	1831	1836	1844	rVB	1030337	1342955	100.00%	15.224%
23	13.892	1985	1989	1999	rVB2	79286	136898	10.19%	1.552%
24	14.051	2011	2016	2028	rVB	411287	591455	44.04%	6.705%
25	15.545	2265	2270	2280	rVB	224942	379203	28.24%	4.299%

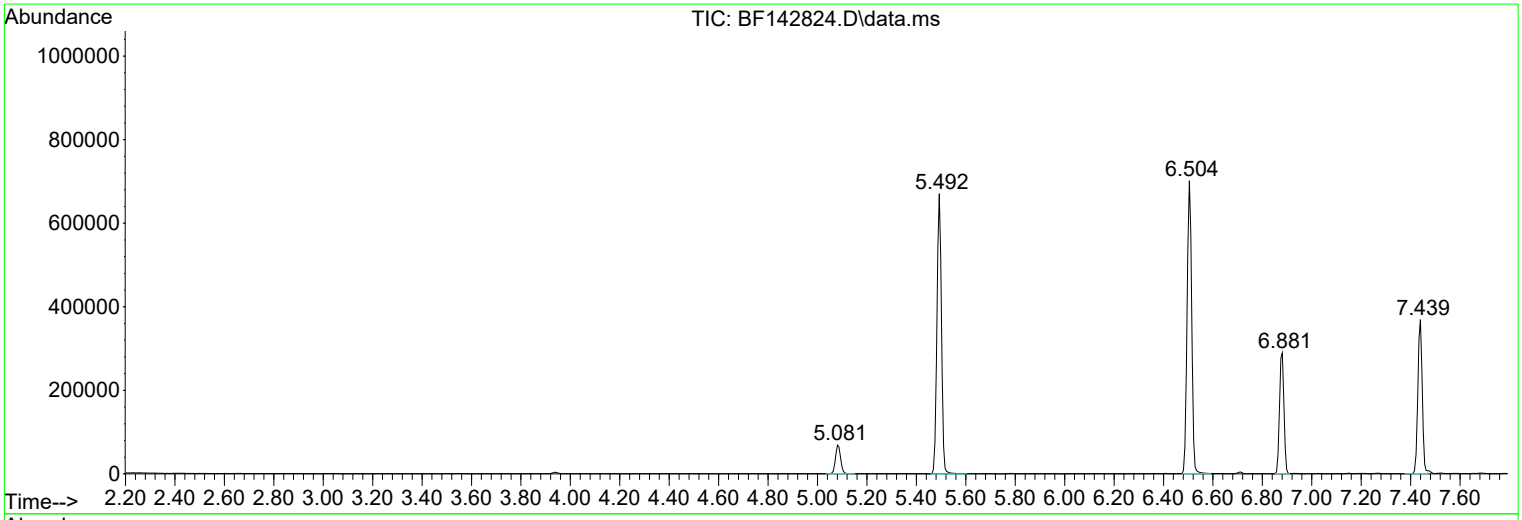
Sum of corrected areas: 8821531

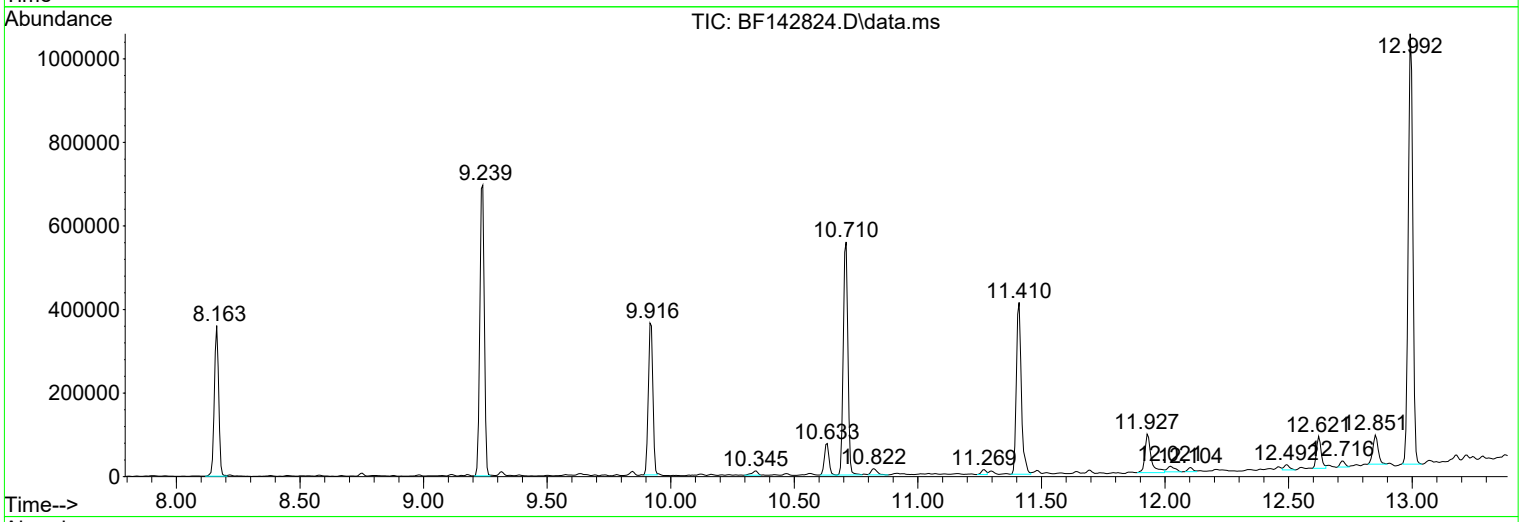
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
Data File : BF142824.D
Acq On : 24 Jun 2025 17:33
Operator : RC/JU
Sample : Q2393-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

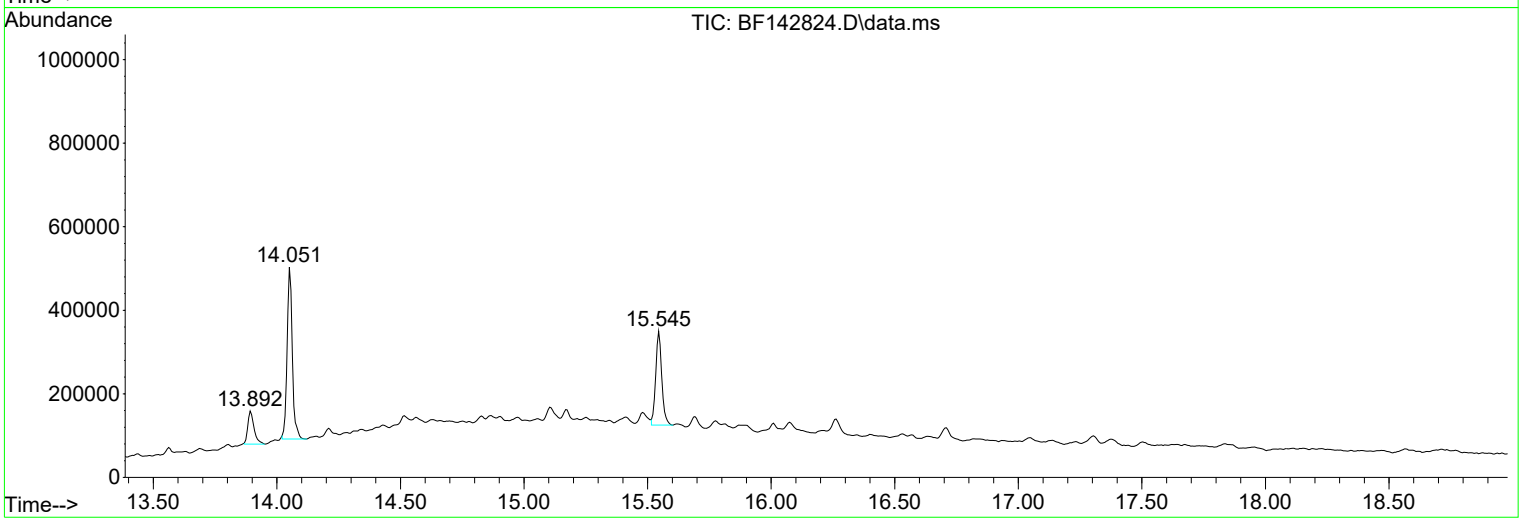
Instrument :
BNA_F
ClientSampleId :
PARK AVE -3

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P







Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
Data File : BF142824.D
Acq On : 24 Jun 2025 17:33
Operator : RC/JU
Sample : Q2393-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PARK AVE -3

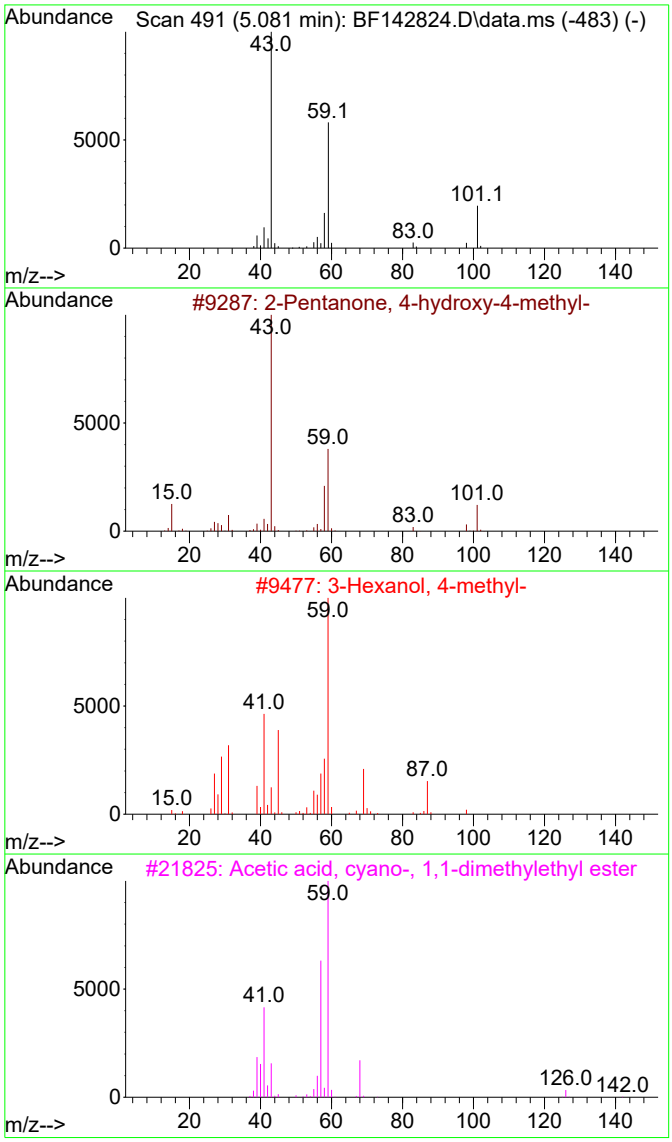
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

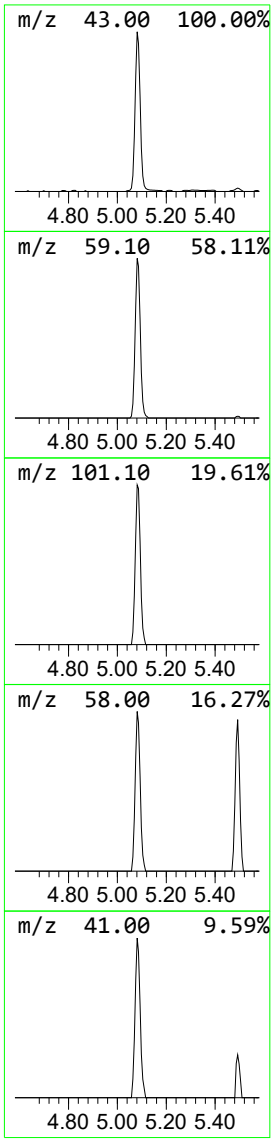
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.081	5.52 ng	99858	1,4-Dichlorobenzene-d4	6.881

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	72
2	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	28
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
4	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10
5	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
Data File : BF142824.D
Acq On : 24 Jun 2025 17:33
Operator : RC/JU
Sample : Q2393-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PARK AVE -3

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

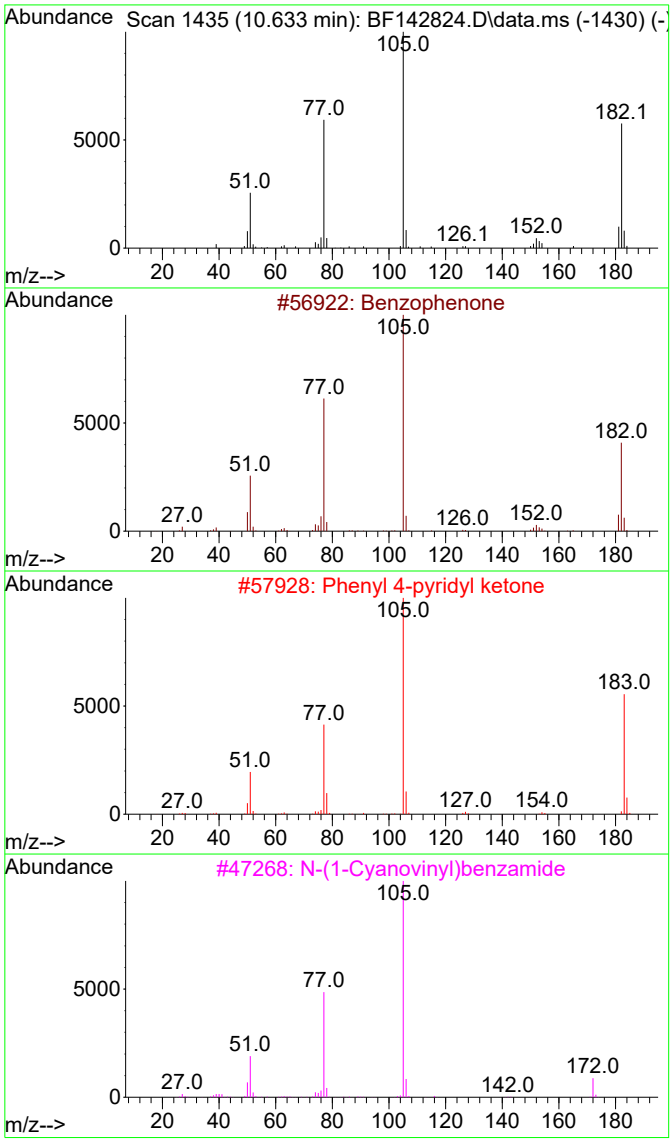
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

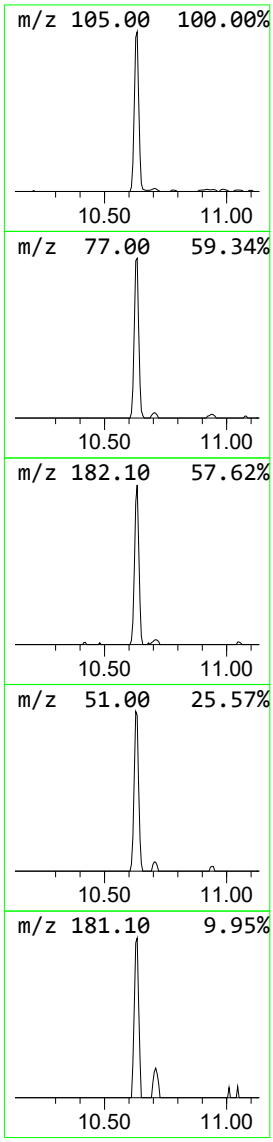
****

Peak Number 2 Benzophenone Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.633	4.26 ng	98861	Acenaphthene-d10	9.916

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	97
2	Phenyl 4-pyridyl ketone	183	C12H9NO	014548-46-0	53
3	N-(1-Cyanovinyl)benzamide	172	C10H8N2O	1000186-19-1	47
4	N-Methylbenzamide, N-trifluoroac...	231	C10H8F3NO2	1000446-91-5	47
5	Benzoic acid, phenyl ester	198	C13H10O2	000093-99-2	47





```
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
Data File : BF142824.D
Acq On    : 24 Jun 2025  17:33
Operator  : RC/JU
Sample    : Q2393-05
Misc      :
ALS Vial  : 15   Sample Multiplier: 1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title  : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library   : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P
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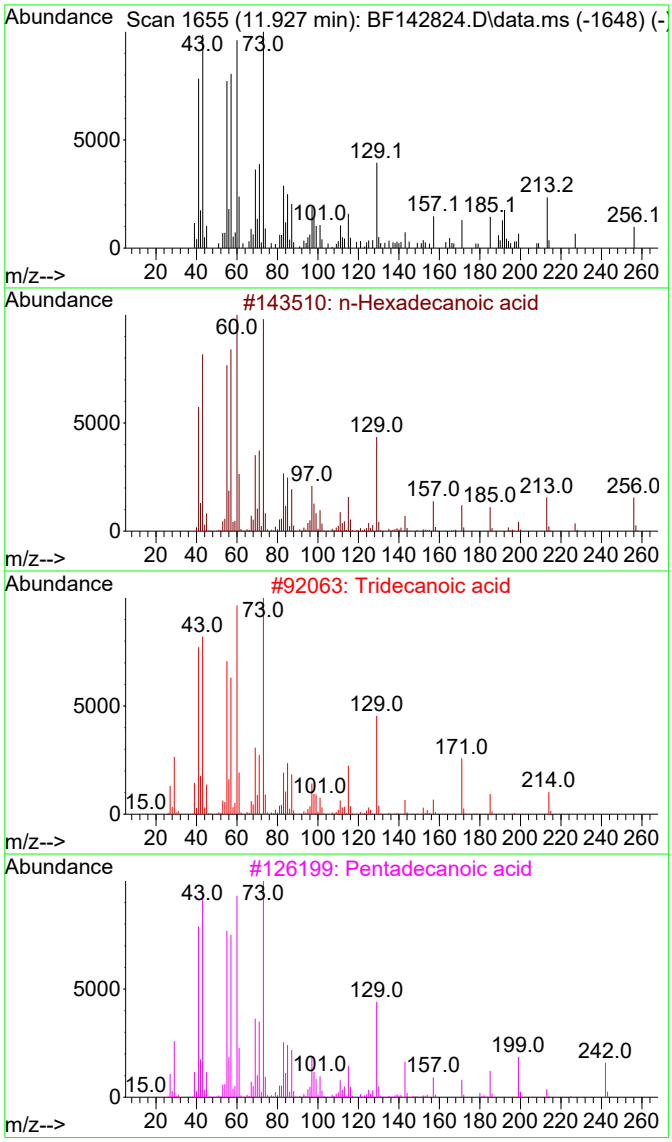
Instrument : BNA_F
ClientSampleId : PARK AVE -3

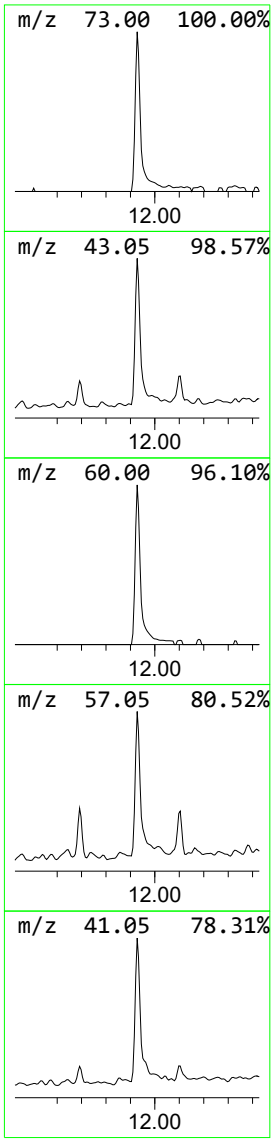
****

Peak Number 3 n-Hexadecanoic acid Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.927	5.80 ng	165172	Phenanthrene-d10	11.410

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Tridecanoic acid	214	C13H26O2	000638-53-9	93
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	90
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	87
5	n-Butyl n-pentyl disulfide	192	C9H20S2	072437-52-6	25





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
Data File : BF142824.D
Acq On : 24 Jun 2025 17:33
Operator : RC/JU
Sample : Q2393-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PARK AVE -3

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

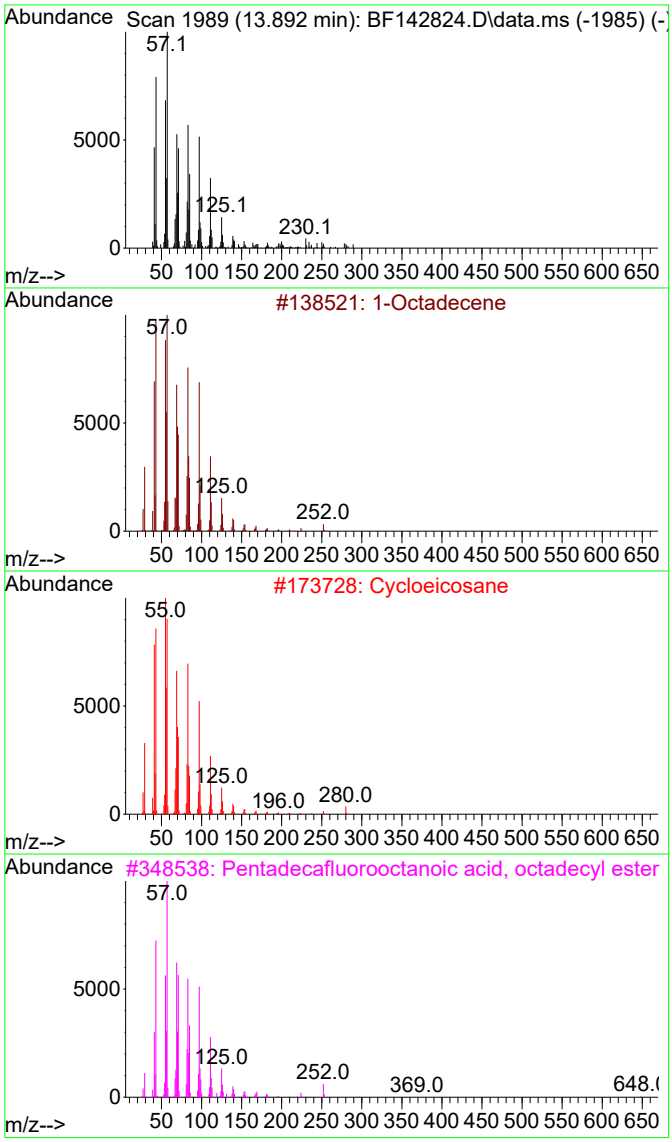
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

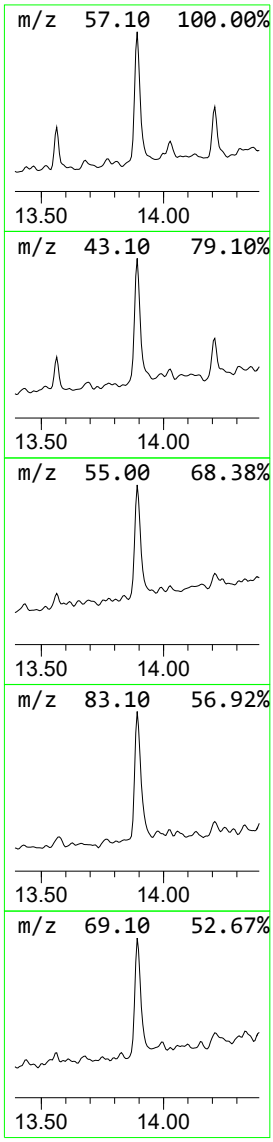
****

Peak Number 4 1-Octadecene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.892	4.63 ng	136898	Chrysene-d12	14.051

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Octadecene	252	C18H36	000112-88-9	97
2	Cycloeicosane	280	C20H40	000296-56-0	97
3	Pentadecafluorooctanoic acid, oc...	666	C26H37F15O2	1000406-04-8	94
4	Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	93
5	Tricosyl trifluoroacetate	436	C25H47F3O2	1000351-75-1	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
Data File : BF142824.D
Acq On : 24 Jun 2025 17:33
Operator : RC/JU
Sample : Q2393-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PARK AVE -3

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-...	5.081	5.5	ng	99858	1	6.881	362111	20.0
Benzophenone	10.633	4.3	ng	98861	3	9.916	463992	20.0
n-Hexadecanoic ...	11.927	5.8	ng	165172	4	11.410	569475	20.0
1-Octadecene	13.892	4.6	ng	136898	5	14.051	591455	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
Data File : BF142825.D
Acq On : 24 Jun 2025 18:03
Operator : RC/JU
Sample : Q2393-07
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PARK AVE -4

Quant Time: Jun 25 01:29:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

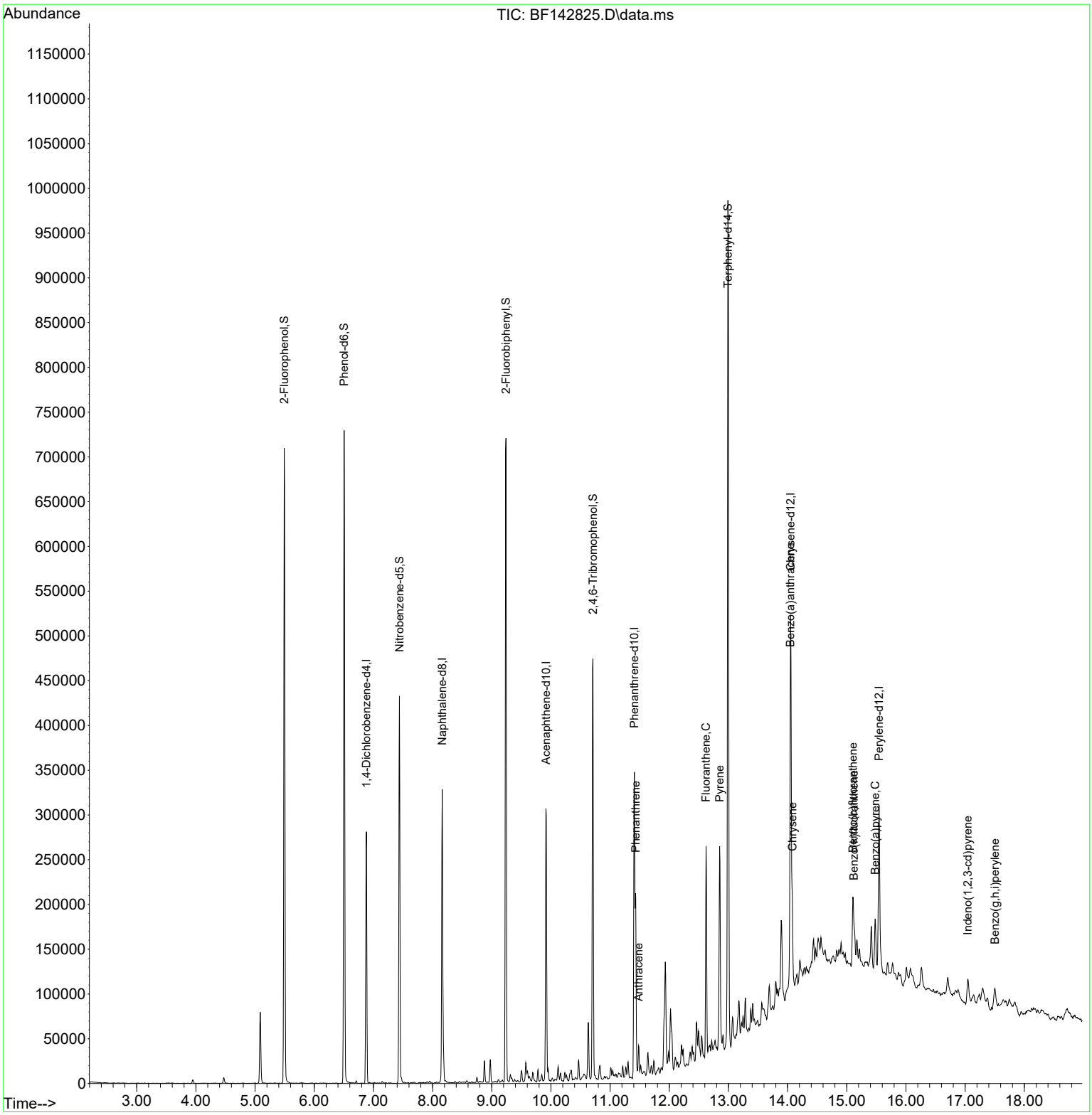
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.881	152	62168	20.000	ng		0.00
21) Naphthalene-d8	8.163	136	204115	20.000	ng		0.00
39) Acenaphthene-d10	9.916	164	93623	20.000	ng		0.00
64) Phenanthrene-d10	11.410	188	176025	20.000	ng		0.00
76) Chrysene-d12	14.051	240	164289	20.000	ng		0.00
86) Perylene-d12	15.545	264	108830	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.493	112	274425	73.494	ng		0.00
7) Phenol-d6	6.504	99	322389	73.181	ng		0.00
23) Nitrobenzene-d5	7.440	82	176503	47.431	ng		0.00
42) 2,4,6-Tribromophenol	10.710	330	79439	82.453	ng		0.00
45) 2-Fluorobiphenyl	9.240	172	330689	46.401	ng		0.00
79) Terphenyl-d14	12.992	244	454273	38.205	ng		0.00
Target Compounds							Qvalue
71) Phenanthrene	11.433	178	109101	11.442	ng		99
72) Anthracene	11.481	178	22143	2.264	ng		95
75) Fluoranthene	12.622	202	130199	14.387	ng		100
78) Pyrene	12.851	202	132593	8.610	ng		98
81) Benzo(a)anthracene	14.045	228	67610	6.100	ng	#	94
83) Chrysene	14.080	228	52805	5.339	ng	#	95
87) Indeno(1,2,3-cd)pyrene	17.045	276	20448	2.467	ng		95
88) Benzo(b)fluoranthene	15.104	252	47823m	7.594	ng		
89) Benzo(k)fluoranthene	15.121	252	17777m	3.017	ng		
90) Benzo(a)pyrene	15.480	252	35069	5.764	ng	#	94
92) Benzo(g,h,i)perylene	17.504	276	20296	3.022	ng		96

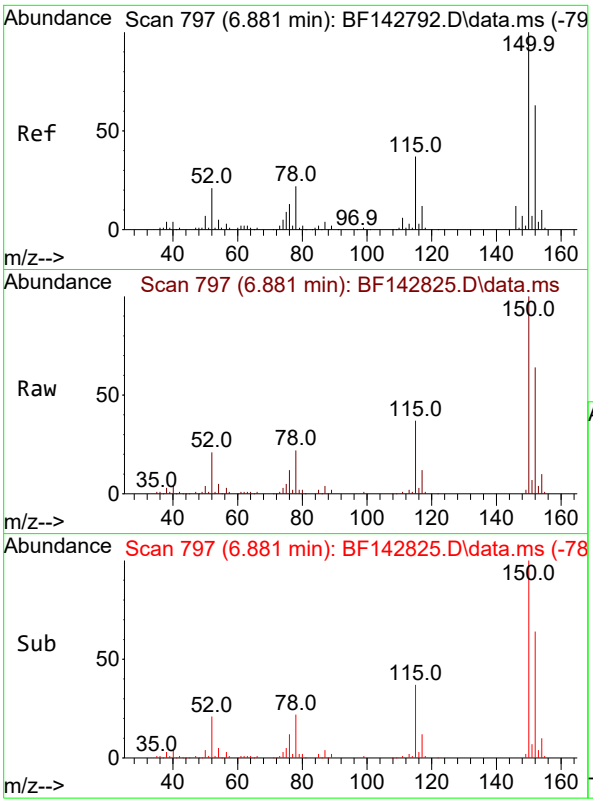
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
Data File : BF142825.D
Acq On : 24 Jun 2025 18:03
Operator : RC/JU
Sample : Q2393-07
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PARK AVE -4

Quant Time: Jun 25 01:29:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration



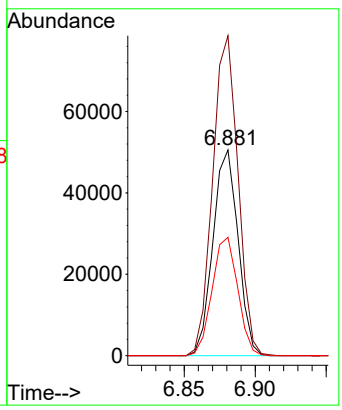


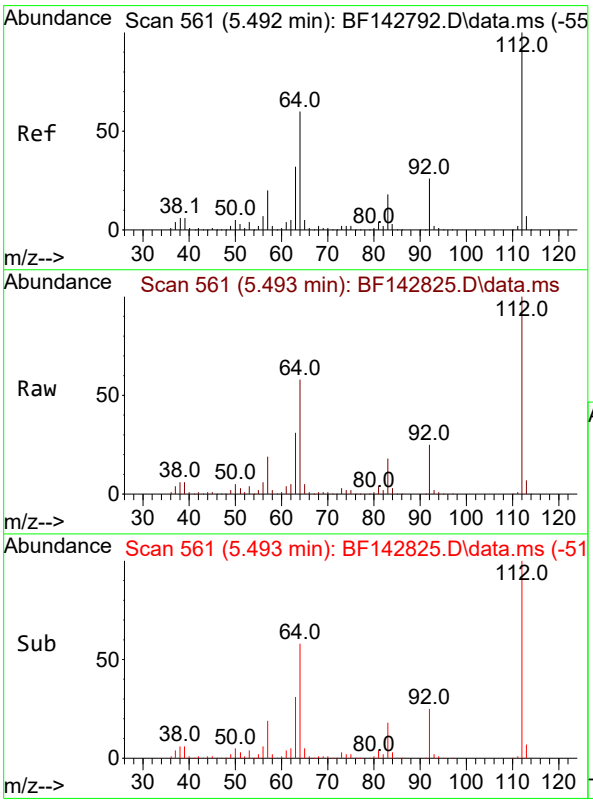
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF142825.D
Acq: 24 Jun 2025 18:03

Instrument :
BNA_F
ClientSampleId :
PARK AVE -4

Tgt Ion:152 Resp: 62168

Ion	Ratio	Lower	Upper
152	100		
150	155.5	127.2	190.8
115	57.5	46.6	69.8

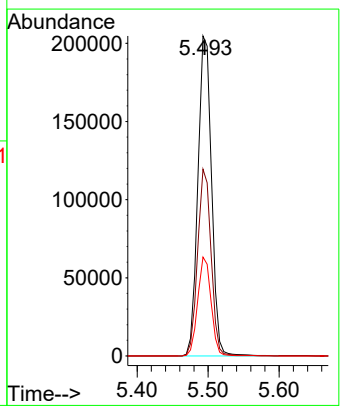


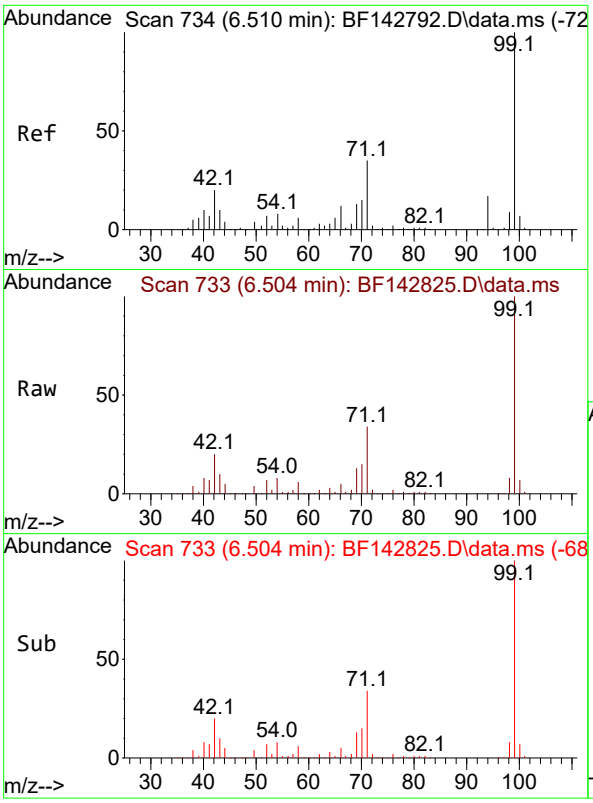


#5
2-Fluorophenol
Concen: 73.494 ng
RT: 5.493 min Scan# 561
Delta R.T. 0.001 min
Lab File: BF142825.D
Acq: 24 Jun 2025 18:03

Tgt Ion:112 Resp: 274425

Ion	Ratio	Lower	Upper
112	100		
64	58.4	48.2	72.2
63	30.9	25.7	38.5



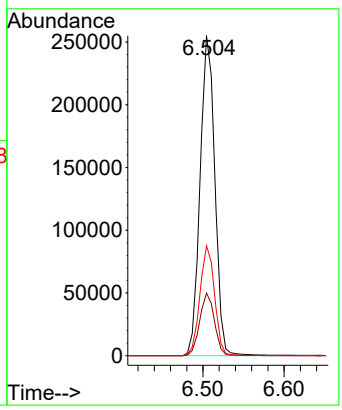


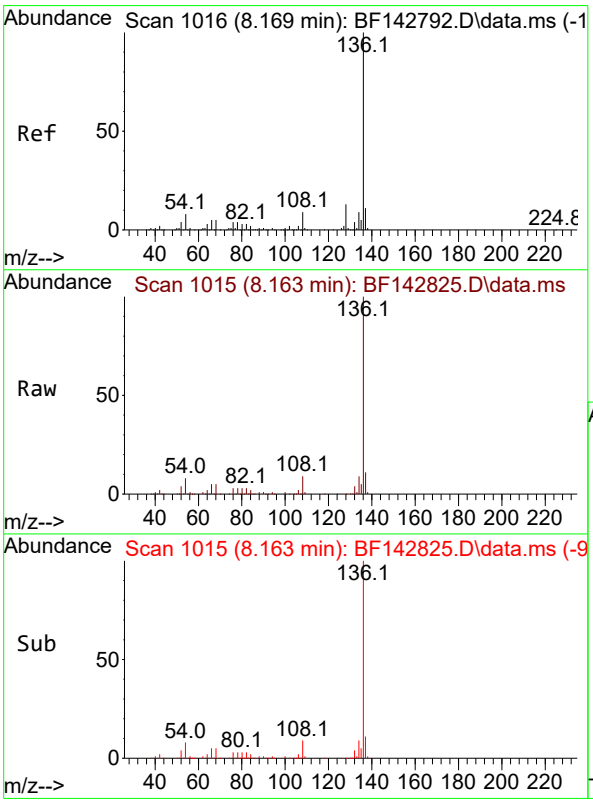
#7
Phenol-d6
Concen: 73.181 ng
RT: 6.504 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142825.D
Acq: 24 Jun 2025 18:03

Instrument :
BNA_F
ClientSampleId :
PARK AVE -4

Tgt Ion: 99 Resp: 322389

Ion	Ratio	Lower	Upper
99	100		
42	19.5	15.9	23.9
71	34.3	27.8	41.8

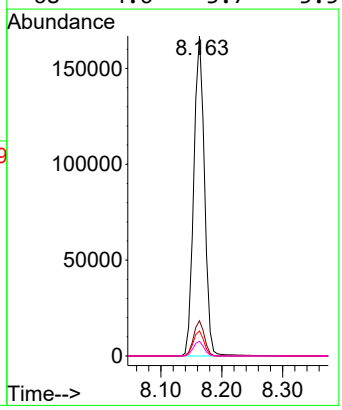


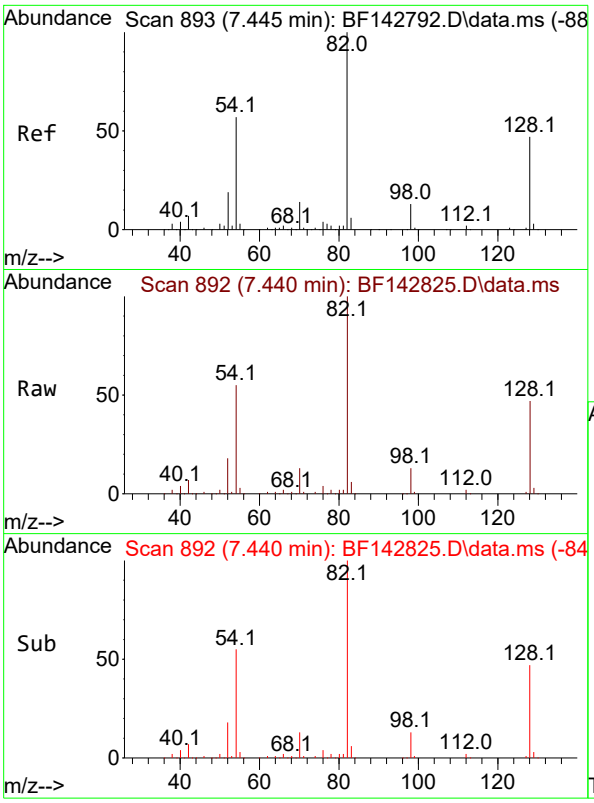


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1015
Delta R.T. -0.006 min
Lab File: BF142825.D
Acq: 24 Jun 2025 18:03

Tgt Ion:136 Resp: 204115

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.4	12.6
54	7.8	6.3	9.5
68	4.6	3.7	5.5



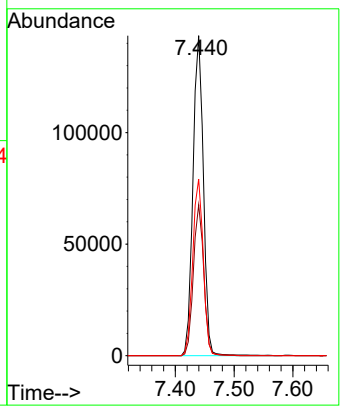


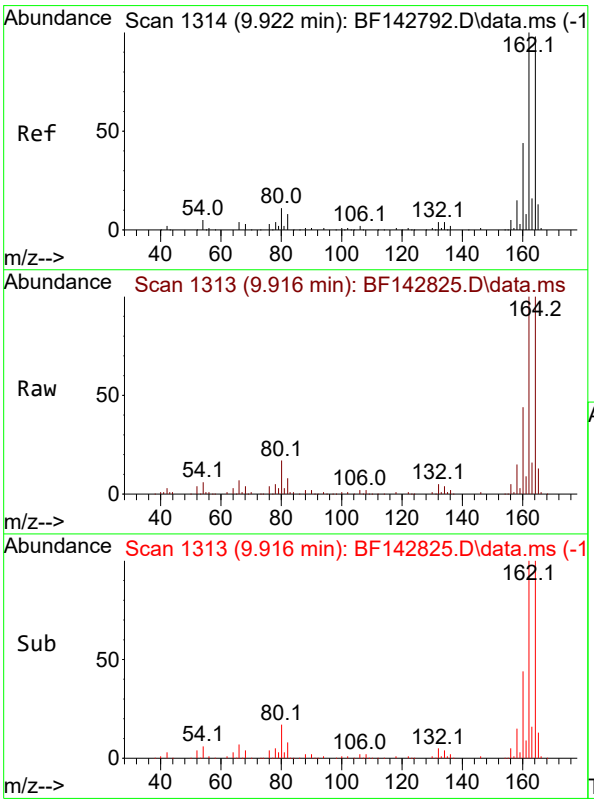
#23
Nitrobenzene-d5
Concen: 47.431 ng
RT: 7.440 min Scan# 8
Delta R.T. -0.005 min
Lab File: BF142825.D
Acq: 24 Jun 2025 18:03

Instrument :
BNA_F
ClientSampleId :
PARK AVE -4

Tgt Ion: 82 Resp: 176503

Ion	Ratio	Lower	Upper
82	100		
128	47.1	37.7	56.5
54	55.2	45.7	68.5

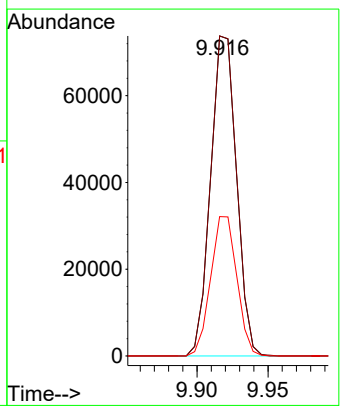


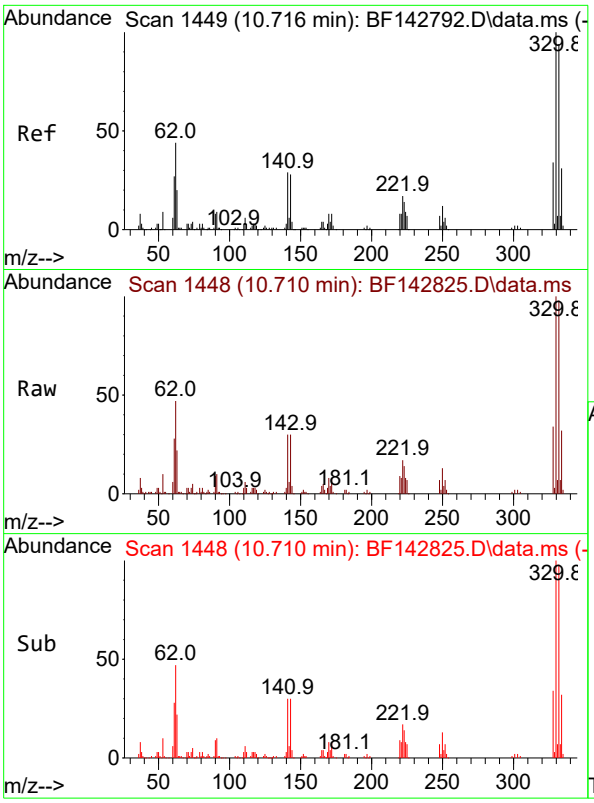


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.006 min
Lab File: BF142825.D
Acq: 24 Jun 2025 18:03

Tgt Ion:164 Resp: 93623

Ion	Ratio	Lower	Upper
164	100		
162	100.0	81.8	122.8
160	43.6	36.0	54.0



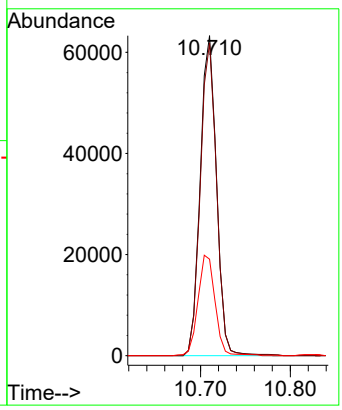


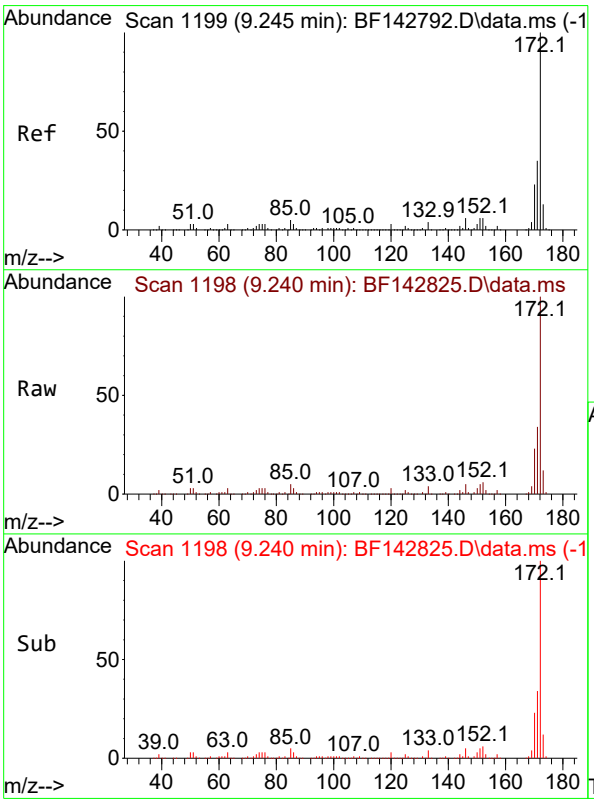
#42
2,4,6-Tribromophenol
Concen: 82.453 ng
RT: 10.710 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142825.D
Acq: 24 Jun 2025 18:03

Instrument :
BNA_F
ClientSampleId :
PARK AVE -4

Tgt Ion:330 Resp: 79439

Ion	Ratio	Lower	Upper
330	100		
332	97.9	75.0	112.6
141	33.1	25.3	37.9

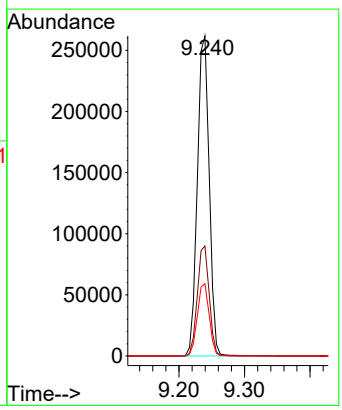


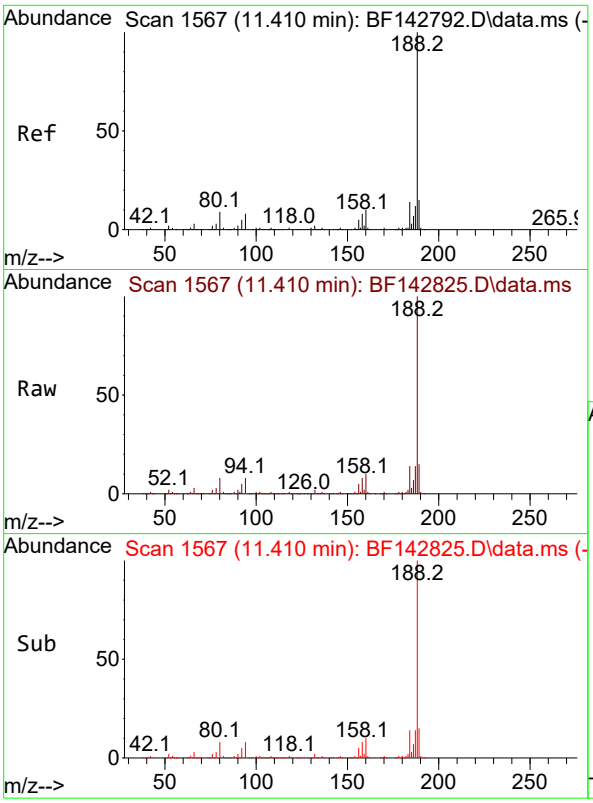


#45
2-Fluorobiphenyl
Concen: 46.401 ng
RT: 9.240 min Scan# 1198
Delta R.T. -0.005 min
Lab File: BF142825.D
Acq: 24 Jun 2025 18:03

Tgt Ion:172 Resp: 330689

Ion	Ratio	Lower	Upper
172	100		
171	34.3	28.2	42.4
170	22.5	18.5	27.7



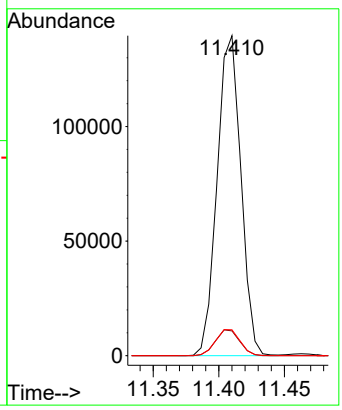


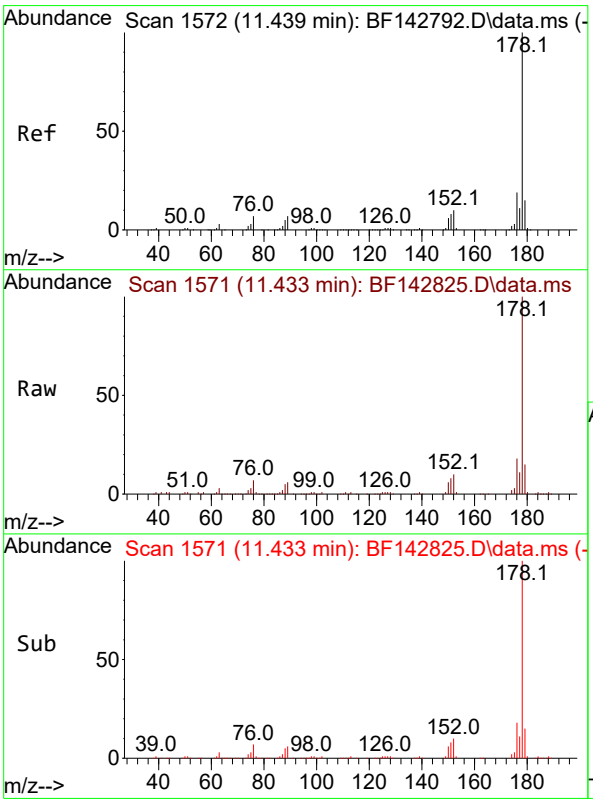
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142825.D
Acq: 24 Jun 2025 18:03

Instrument :
BNA_F
ClientSampleId :
PARK AVE -4

Tgt Ion:188 Resp: 176025

Ion	Ratio	Lower	Upper
188	100		
94	7.8	6.7	10.1
80	8.1	6.9	10.3

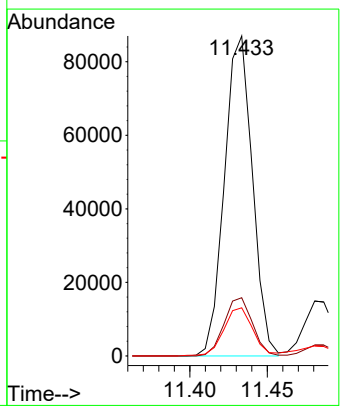


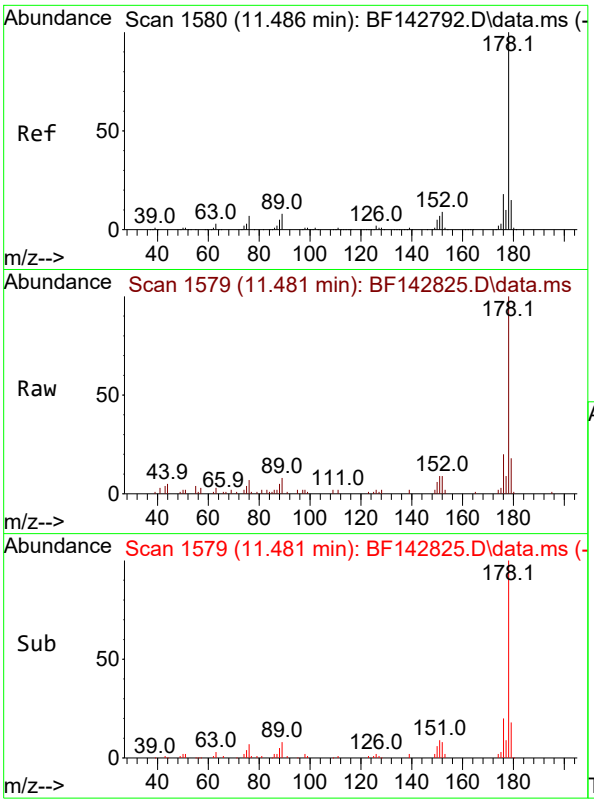


#71
Phenanthrene
Concen: 11.442 ng
RT: 11.433 min Scan# 1571
Delta R.T. -0.006 min
Lab File: BF142825.D
Acq: 24 Jun 2025 18:03

Tgt Ion:178 Resp: 109101

Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.1	22.7
179	15.1	12.0	18.0



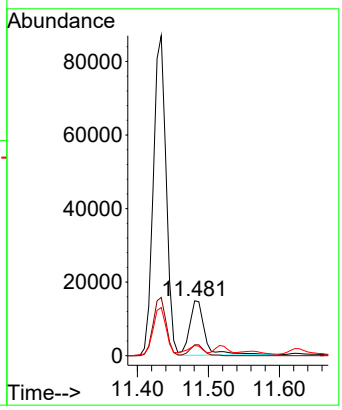


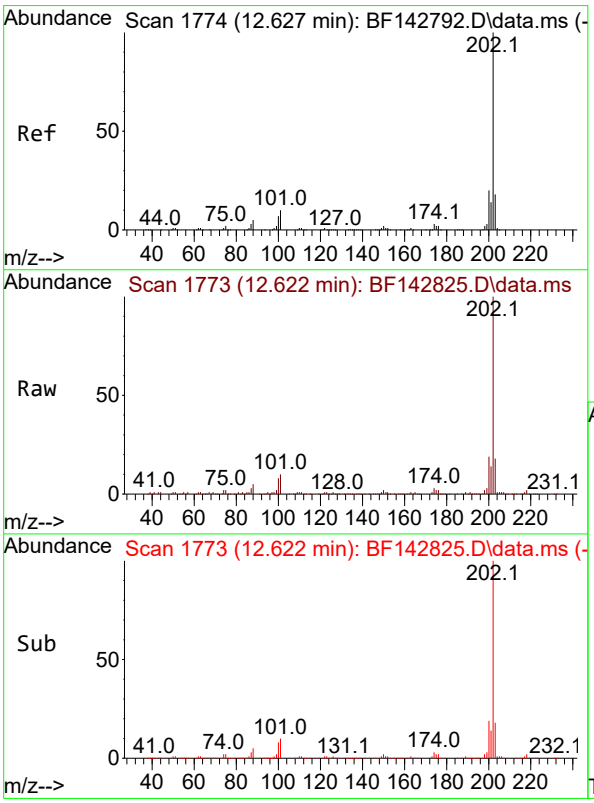
#72
Anthracene
Concen: 2.264 ng
RT: 11.481 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142825.D
Acq: 24 Jun 2025 18:03

Instrument :
BNA_F
ClientSampleId :
PARK AVE -4

Tgt Ion:178 Resp: 22143

Ion	Ratio	Lower	Upper
178	100		
176	19.9	14.6	21.8
179	18.3	12.4	18.6

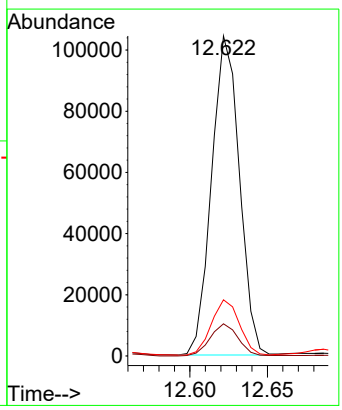


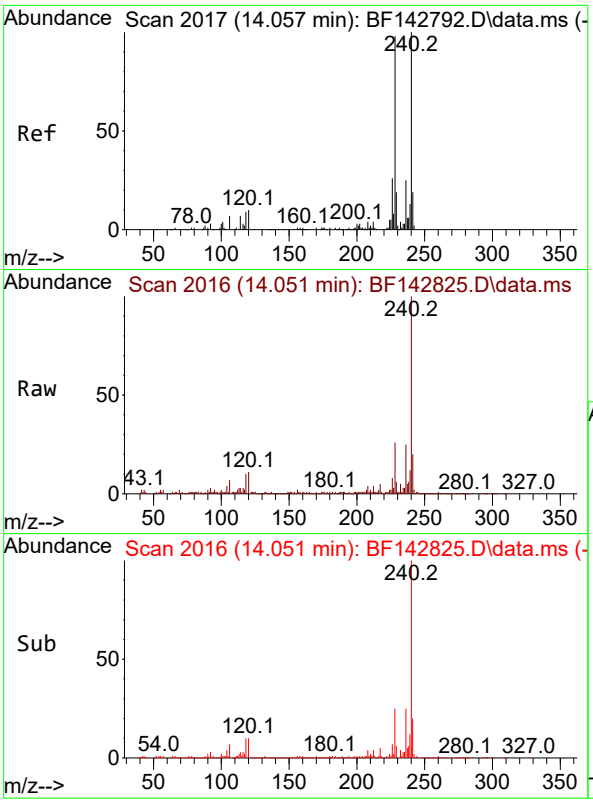


#75
Fluoranthene
Concen: 14.387 ng
RT: 12.622 min Scan# 1773
Delta R.T. -0.006 min
Lab File: BF142825.D
Acq: 24 Jun 2025 18:03

Tgt Ion:202 Resp: 130199

Ion	Ratio	Lower	Upper
202	100		
101	10.0	0.0	29.7
203	17.5	0.0	37.5



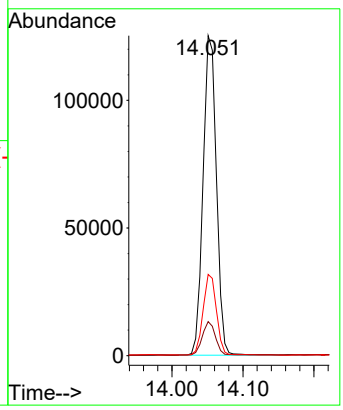


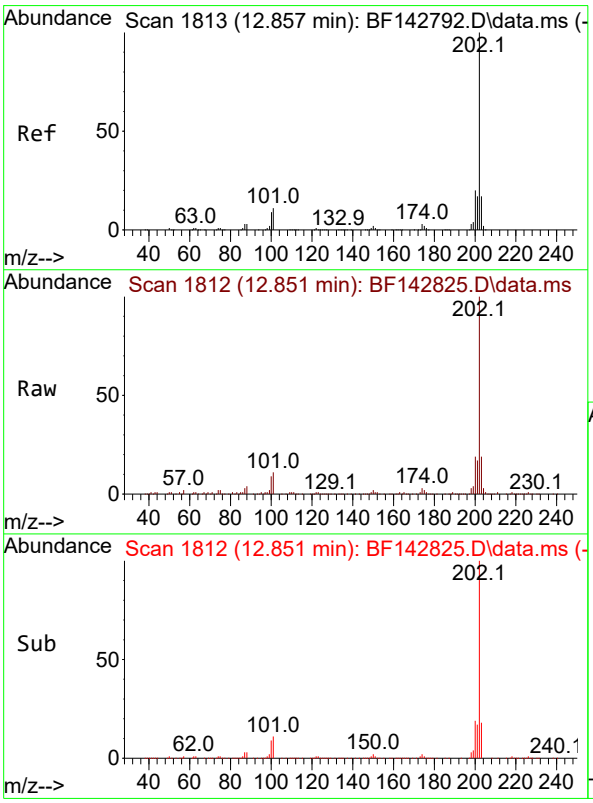
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142825.D
Acq: 24 Jun 2025 18:03

Instrument :
BNA_F
ClientSampleId :
PARK AVE -4

Tgt Ion:240 Resp: 164289

Ion	Ratio	Lower	Upper
240	100		
120	10.7	8.2	12.2
236	25.4	19.8	29.8

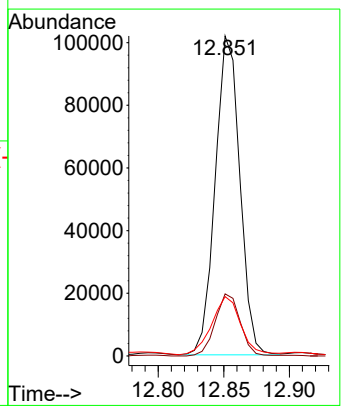


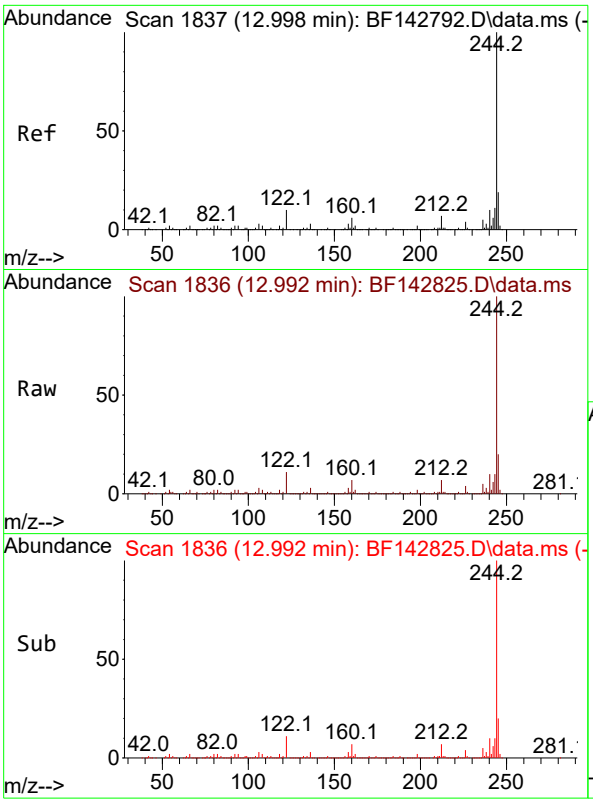


#78
Pyrene
Concen: 8.610 ng
RT: 12.851 min Scan# 1812
Delta R.T. -0.006 min
Lab File: BF142825.D
Acq: 24 Jun 2025 18:03

Tgt Ion:202 Resp: 132593

Ion	Ratio	Lower	Upper
202	100		
200	19.4	15.7	23.5
203	18.5	13.8	20.6



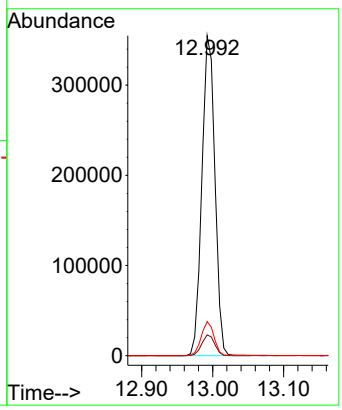


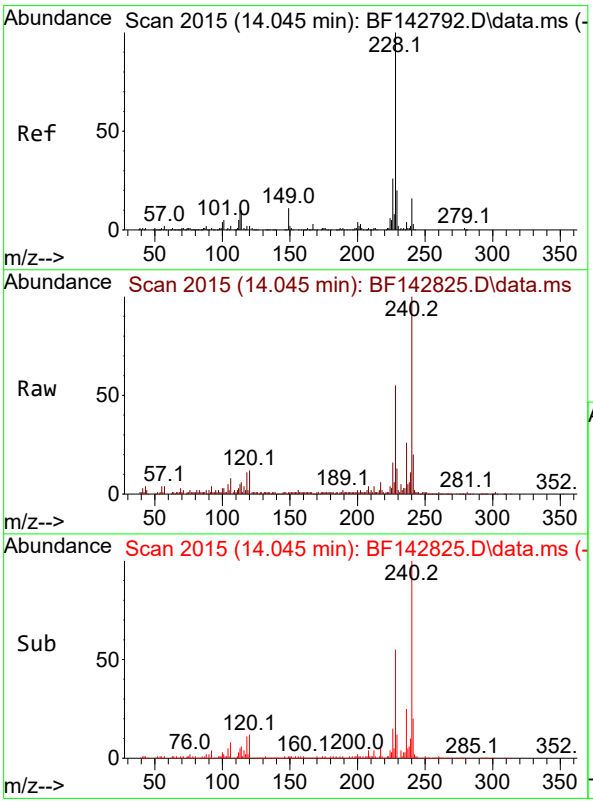
#79
Terphenyl-d14
Concen: 38.205 ng
RT: 12.992 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142825.D
Acq: 24 Jun 2025 18:03

Instrument :
BNA_F
ClientSampleId :
PARK AVE -4

Tgt Ion:244 Resp: 454273

Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.4	8.0
122	10.6	8.2	12.2

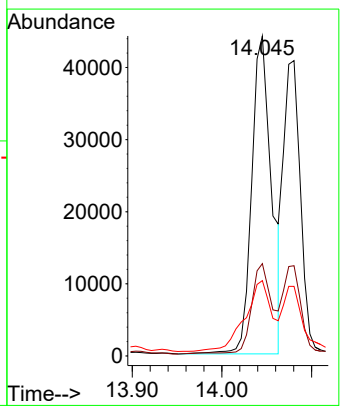


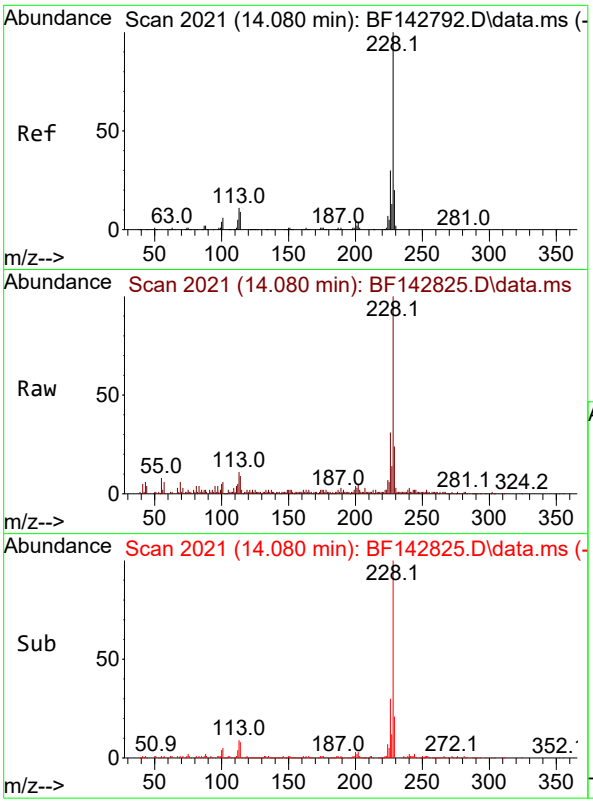


#81
Benzo(a)anthracene
Concen: 6.100 ng
RT: 14.045 min Scan# 2015
Delta R.T. 0.000 min
Lab File: BF142825.D
Acq: 24 Jun 2025 18:03

Tgt Ion:228 Resp: 67610

Ion	Ratio	Lower	Upper
228	100		
226	28.8	21.2	31.8
229	23.6	15.6	23.4#



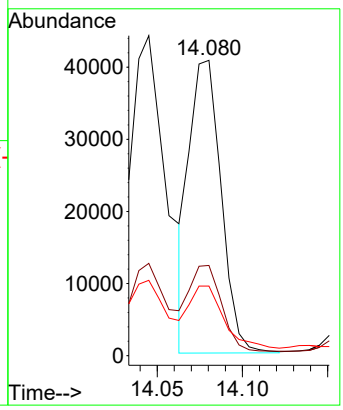


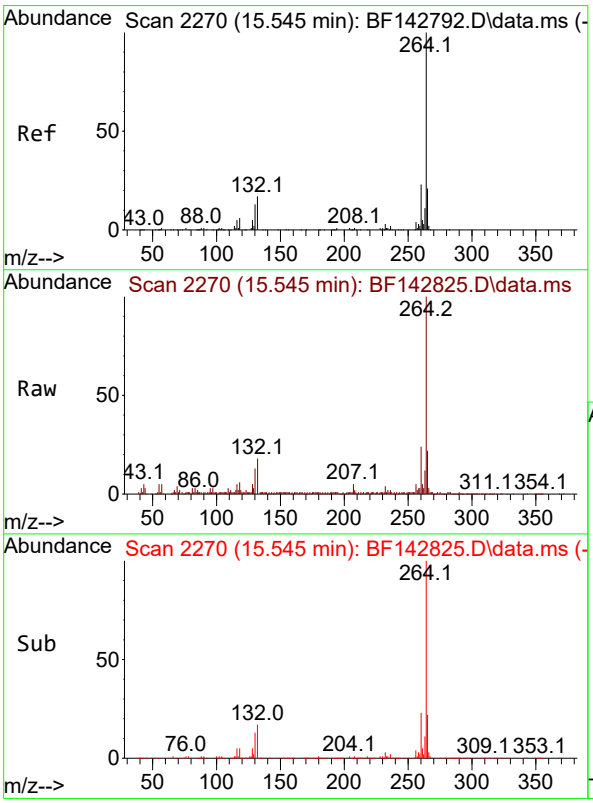
#83
Chrysene
Concen: 5.339 ng
RT: 14.080 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF142825.D
Acq: 24 Jun 2025 18:03

Instrument :
BNA_F
ClientSampleId :
PARK AVE -4

Tgt Ion:228 Resp: 52805

Ion	Ratio	Lower	Upper
228	100		
226	30.5	23.7	35.5
229	23.6	15.7	23.5#

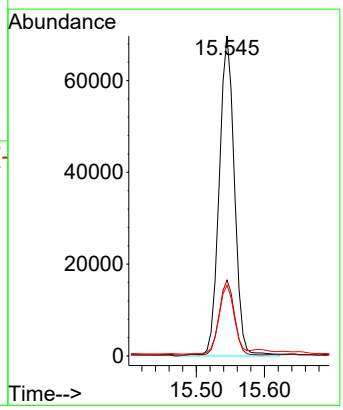


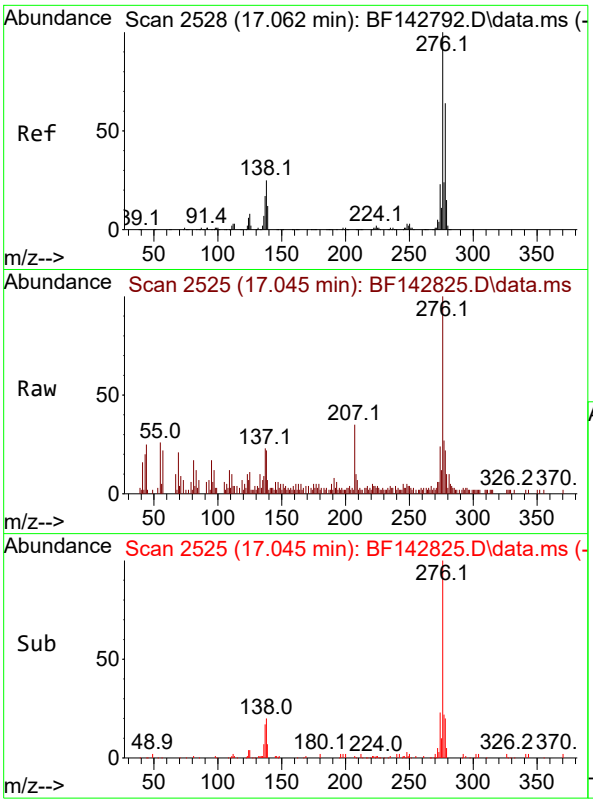


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2270
Delta R.T. 0.000 min
Lab File: BF142825.D
Acq: 24 Jun 2025 18:03

Tgt Ion:264 Resp: 108830

Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.1	27.1
265	22.1	16.6	25.0



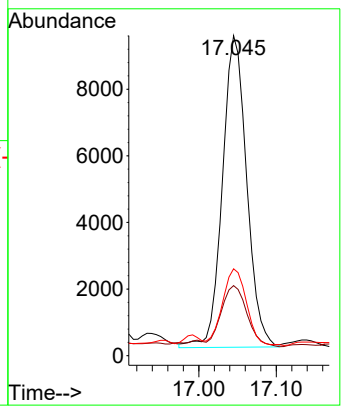


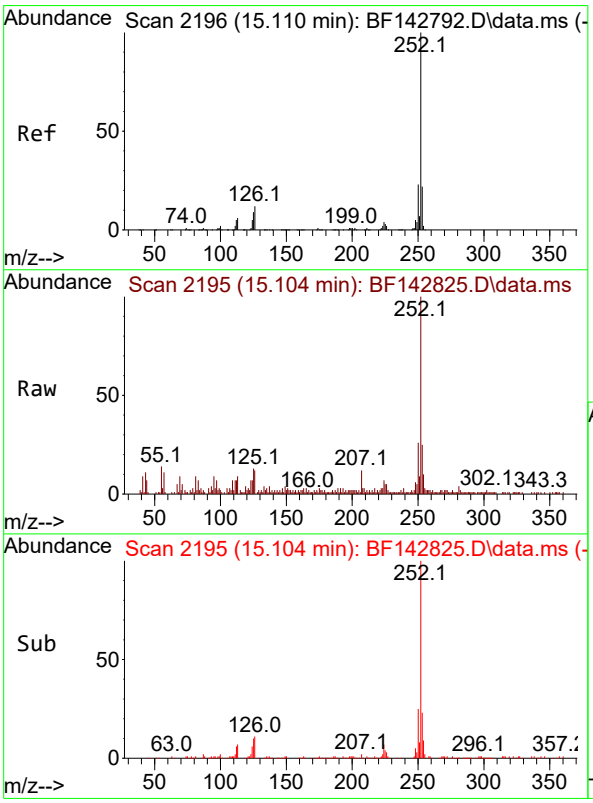
#87
Indeno(1,2,3-cd)pyrene
Concen: 2.467 ng
RT: 17.045 min Scan# 2
Delta R.T. -0.017 min
Lab File: BF142825.D
Acq: 24 Jun 2025 18:03

Instrument :
BNA_F
ClientSampleId :
PARK AVE -4

Tgt Ion:276 Resp: 20448

Ion	Ratio	Lower	Upper
276	100		
138	20.8	20.2	30.4
277	24.0	19.8	29.6

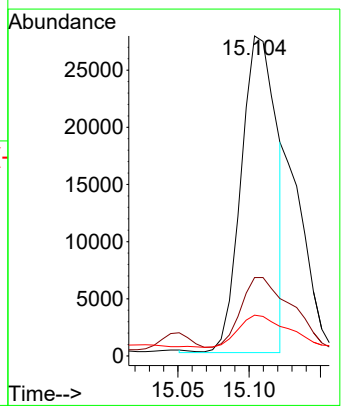


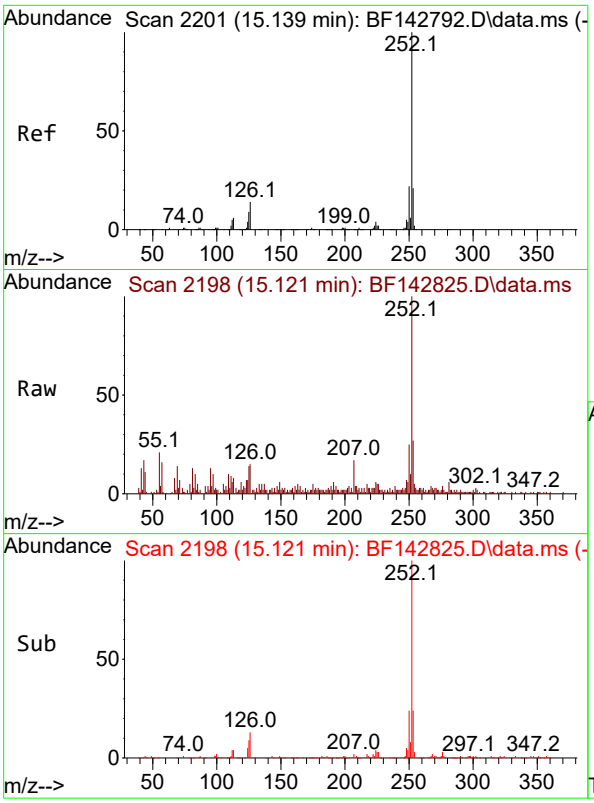


#88
Benzo(b)fluoranthene
Concen: 7.594 ng m
RT: 15.104 min Scan# 2195
Delta R.T. -0.006 min
Lab File: BF142825.D
Acq: 24 Jun 2025 18:03

Tgt Ion:252 Resp: 47823

Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.5	26.3
125	12.7	7.4	11.0#



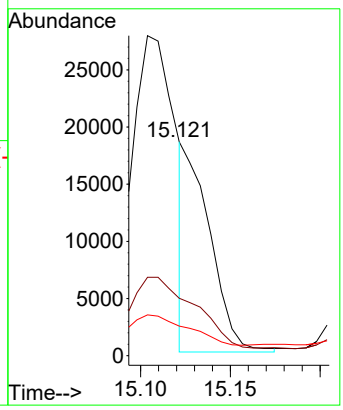


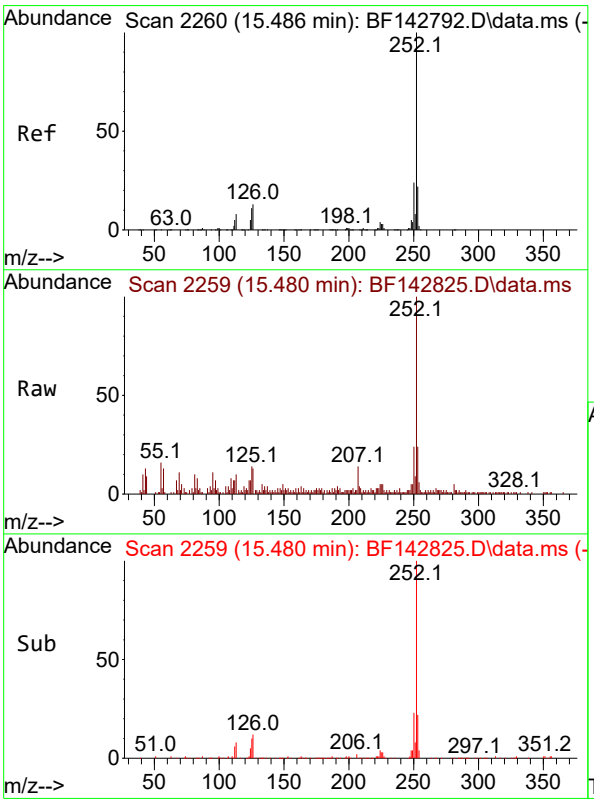
#89
Benzo(k)fluoranthene
Concen: 3.017 ng m
RT: 15.121 min Scan# 2
Delta R.T. -0.017 min
Lab File: BF142825.D
Acq: 24 Jun 2025 18:03

Instrument :
BNA_F
ClientSampleId :
PARK AVE -4

Tgt Ion:252 Resp: 17777

Ion	Ratio	Lower	Upper
252	100		
253	26.8	17.2	25.8#
125	13.9	7.4	11.2#

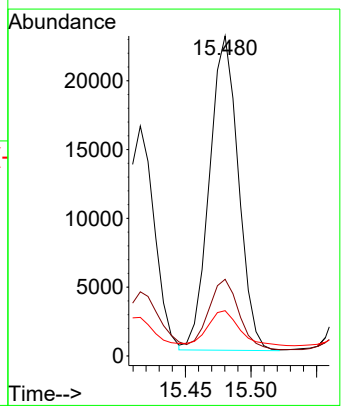


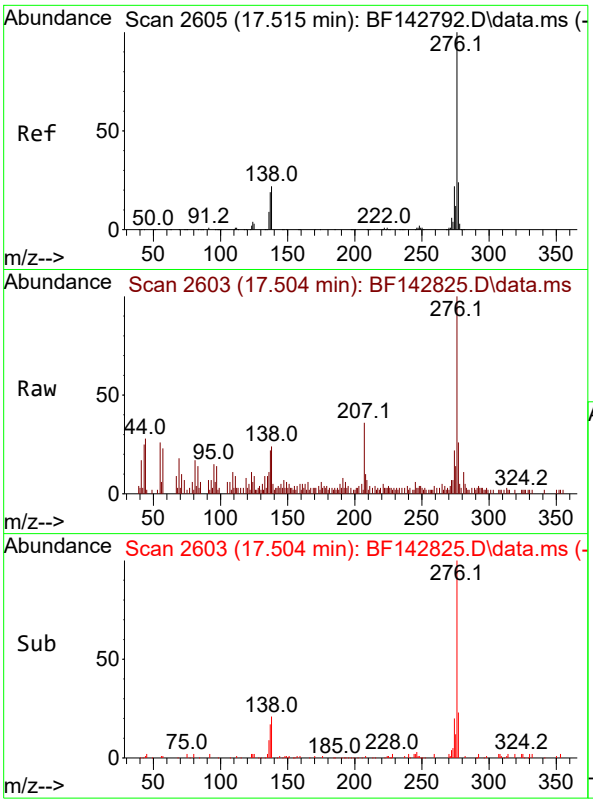


#90
Benzo(a)pyrene
Concen: 5.764 ng
RT: 15.480 min Scan# 2259
Delta R.T. -0.006 min
Lab File: BF142825.D
Acq: 24 Jun 2025 18:03

Tgt Ion:252 Resp: 35069

Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.5	26.3
125	14.1	8.6	12.8#



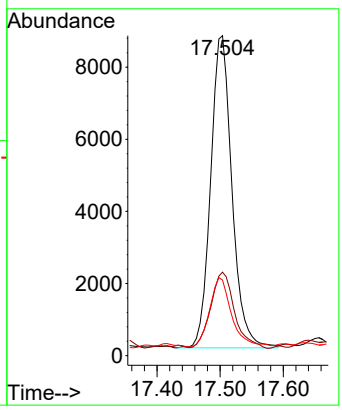


#92
Benzo(g,h,i)perylene
Concen: 3.022 ng
RT: 17.504 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF142825.D
Acq: 24 Jun 2025 18:03

Instrument :
BNA_F
ClientSampleId :
PARK AVE -4

Tgt Ion:276 Resp: 20296

Ion	Ratio	Lower	Upper
276	100		
277	26.1	18.8	28.2
138	23.6	17.6	26.4



Sample Results: **BF142825.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
Data File : BF142825.D
Acq On : 24 Jun 2025 18:03
Operator : RC/JU
Sample : Q2393-07
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PARK AVE -4

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF142825.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.087	481	492	504	rBV	79718	116634	9.37%	1.101%
2	5.493	556	561	571	rBV	709369	935097	75.10%	8.830%
3	6.504	728	733	745	rBV	729112	924942	74.28%	8.734%
4	6.881	792	797	803	rBV	280967	350446	28.14%	3.309%
5	7.440	886	892	897	rBV	432168	531098	42.65%	5.015%
6	8.163	1007	1015	1022	rBV	327376	432585	34.74%	4.085%
7	8.875	1132	1136	1141	rVB	24026	27368	2.20%	0.258%
8	8.975	1149	1153	1158	rVB	25464	30560	2.45%	0.289%
9	9.240	1192	1198	1203	rBV	719066	914087	73.41%	8.631%
10	9.504	1238	1243	1247	rBV	12592	18173	1.46%	0.172%
11	9.575	1248	1255	1258	rBV	21081	30897	2.48%	0.292%
12	9.692	1271	1275	1286	rVB	10476	18146	1.46%	0.171%
13	9.781	1286	1290	1294	rBV	13444	16504	1.33%	0.156%
14	9.916	1306	1313	1318	rVV	303877	395096	31.73%	3.731%
15	10.122	1343	1348	1352	rBV2	15540	20536	1.65%	0.194%
16	10.234	1363	1367	1370	rBV2	9536	13103	1.05%	0.124%
17	10.339	1378	1385	1389	rBV4	12048	25396	2.04%	0.240%
18	10.469	1402	1407	1413	rVB	22161	30173	2.42%	0.285%
19	10.557	1413	1422	1429	rBV7	6671	21732	1.75%	0.205%
20	10.634	1429	1435	1441	rVB	62949	86015	6.91%	0.812%
21	10.710	1442	1448	1453	rBV	468976	614395	49.34%	5.802%
22	10.828	1463	1468	1474	rBV4	15588	26844	2.16%	0.253%
23	11.010	1495	1499	1502	rBV4	11633	16596	1.33%	0.157%
24	11.216	1530	1534	1537	rVB	12752	15179	1.22%	0.143%
25	11.263	1538	1542	1545	rVV3	11800	16928	1.36%	0.160%
26	11.304	1545	1549	1555	rVB	17661	25158	2.02%	0.238%
27	11.410	1561	1567	1569	rBV	342405	475212	38.16%	4.487%
28	11.481	1575	1579	1583	rVV	29143	34445	2.77%	0.325%
29	11.639	1600	1606	1612	rBV2	25866	41328	3.32%	0.390%
30	11.739	1619	1623	1628	rVB2	15405	21790	1.75%	0.206%
31	11.822	1628	1637	1641	rBV4	7682	19005	1.53%	0.179%
32	11.933	1648	1656	1661	rVV2	120331	247098	19.84%	2.333%
33	11.986	1662	1665	1667	rVV	17930	22679	1.82%	0.214%
34	12.022	1667	1671	1679	rVB	68024	143081	11.49%	1.351%
35	12.104	1681	1685	1689	rBV4	11498	19332	1.55%	0.183%
36	12.204	1699	1702	1705	rBV	21327	28735	2.31%	0.271%

Sample Results: **BF142825.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
Data File : BF142825.D
Acq On : 24 Jun 2025 18:03
Operator : RC/JU
Sample : Q2393-07
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PARK AVE -4

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	12.233	1705	1707	1713	rVB	18882	21788	1.75%	0.206%
38	12.351	1722	1727	1730	rBV4	14471	25273	2.03%	0.239%
39	12.386	1730	1733	1736	rBV	13828	17385	1.40%	0.164%
40	12.463	1741	1746	1749	rBV	43046	66813	5.37%	0.631%
41	12.492	1749	1751	1757	rVV2	29600	46296	3.72%	0.437%
42	12.545	1757	1760	1765	rVB3	22493	32135	2.58%	0.303%
43	12.622	1769	1773	1778	rBV	236301	300969	24.17%	2.842%
44	12.851	1806	1812	1819	rBV	227593	350013	28.11%	3.305%
45	12.992	1831	1836	1844	rVB	945821	1245182	100.00%	11.758%
46	13.069	1845	1849	1856	rBV5	31227	63554	5.10%	0.600%
47	13.175	1861	1867	1871	rVV2	38254	76077	6.11%	0.718%
48	13.286	1882	1886	1893	rVB2	37584	50933	4.09%	0.481%
49	13.380	1898	1902	1904	rBV	23707	29708	2.39%	0.281%
50	13.410	1904	1907	1910	rVV2	21072	22426	1.80%	0.212%
51	13.563	1930	1933	1936	rBV	21890	34135	2.74%	0.322%
52	13.692	1952	1955	1961	rVB	26928	33940	2.73%	0.320%
53	13.892	1985	1989	2000	rVB3	89936	161898	13.00%	1.529%
54	14.051	2011	2016	2028	rVB2	413688	734762	59.01%	6.938%
55	15.104	2191	2195	2203	rBV	73175	162350	13.04%	1.533%
56	15.480	2256	2259	2265	rVB	51676	74960	6.02%	0.708%
57	15.545	2265	2270	2282	rVB	187952	333221	26.76%	3.147%

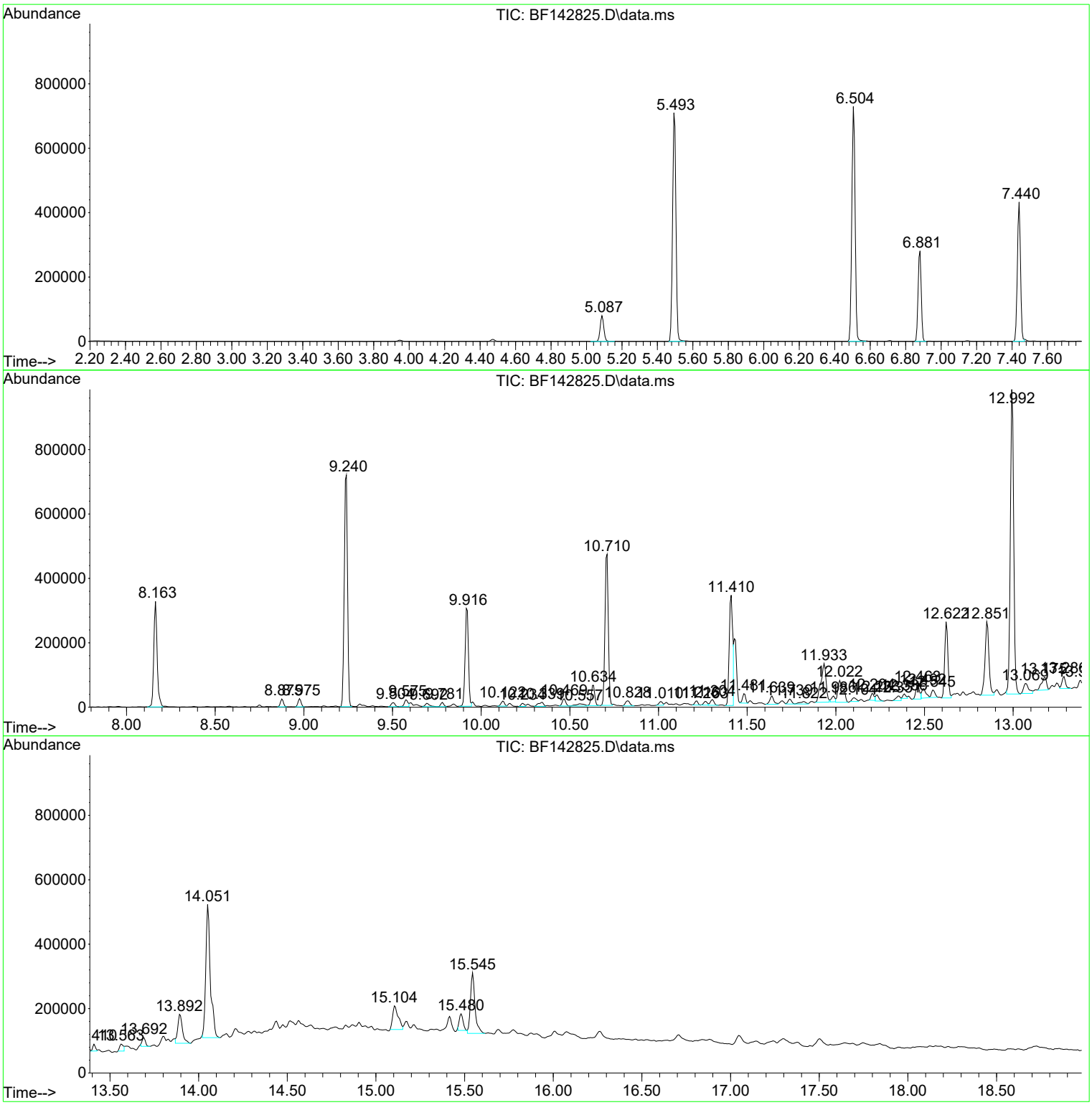
Sum of corrected areas: 10590211

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
Data File : BF142825.D
Acq On : 24 Jun 2025 18:03
Operator : RC/JU
Sample : Q2393-07
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PARK AVE -4

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
Data File : BF142825.D
Acq On : 24 Jun 2025 18:03
Operator : RC/JU
Sample : Q2393-07
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PARK AVE -4

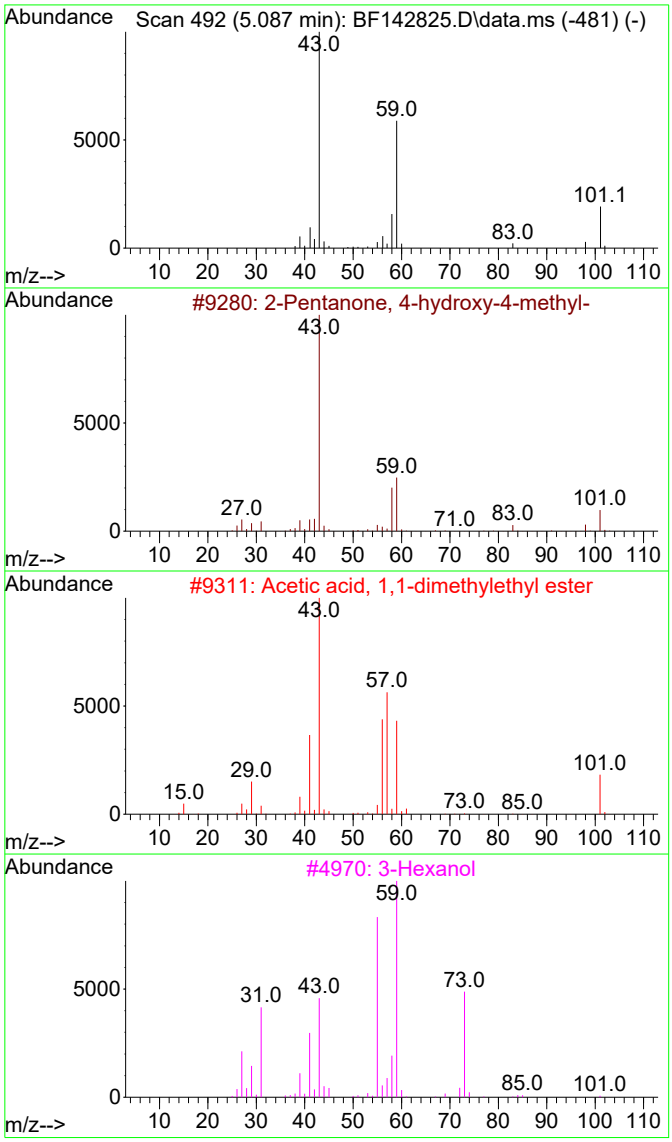
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

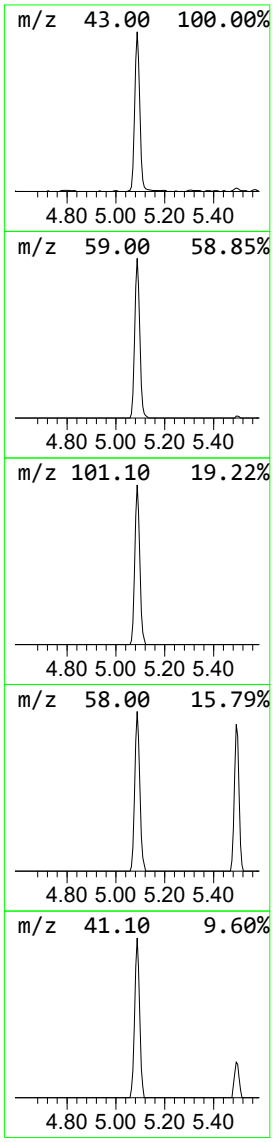
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.087	6.66 ng	116634	1,4-Dichlorobenzene-d4	6.881

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	39
3	3-Hexanol	102	C6H14O	000623-37-0	28
4	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
5	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
Data File : BF142825.D
Acq On : 24 Jun 2025 18:03
Operator : RC/JU
Sample : Q2393-07
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PARK AVE -4

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

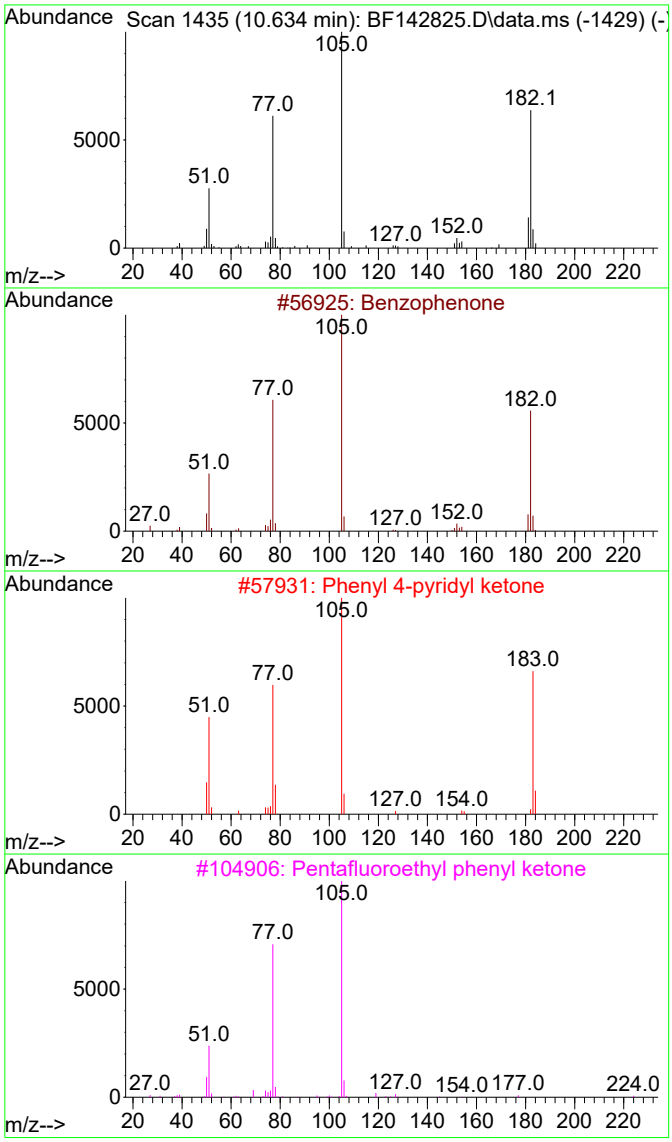
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TIC Integration Parameters: LSCINT.P

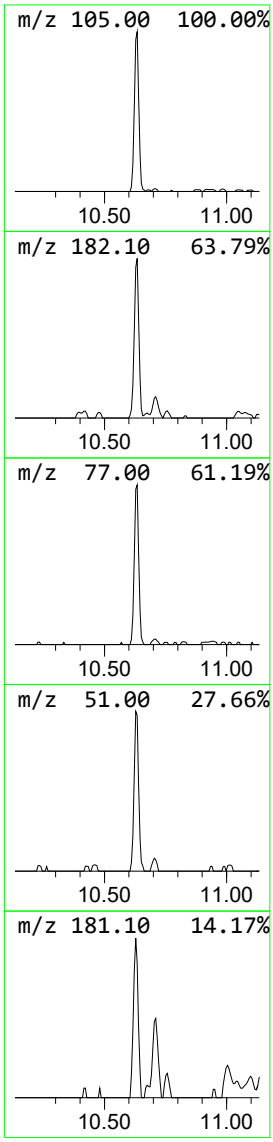
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Peak Number 2 Benzophenone Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.634	4.35 ng	86015	Acenaphthene-d10	9.916

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	Phenyl 4-pyridyl ketone	183	C12H9NO	014548-46-0	53
3	Pentafluoroethyl phenyl ketone	224	C9H5F5O	000394-52-5	47
4	N-Methoxy-N-methylbenzamide	165	C9H11NO2	006919-61-5	47
5	Benzenepropanenitrile, .beta.-oxo-	145	C9H7NO	000614-16-4	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
Data File : BF142825.D
Acq On : 24 Jun 2025 18:03
Operator : RC/JU
Sample : Q2393-07
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PARK AVE -4

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

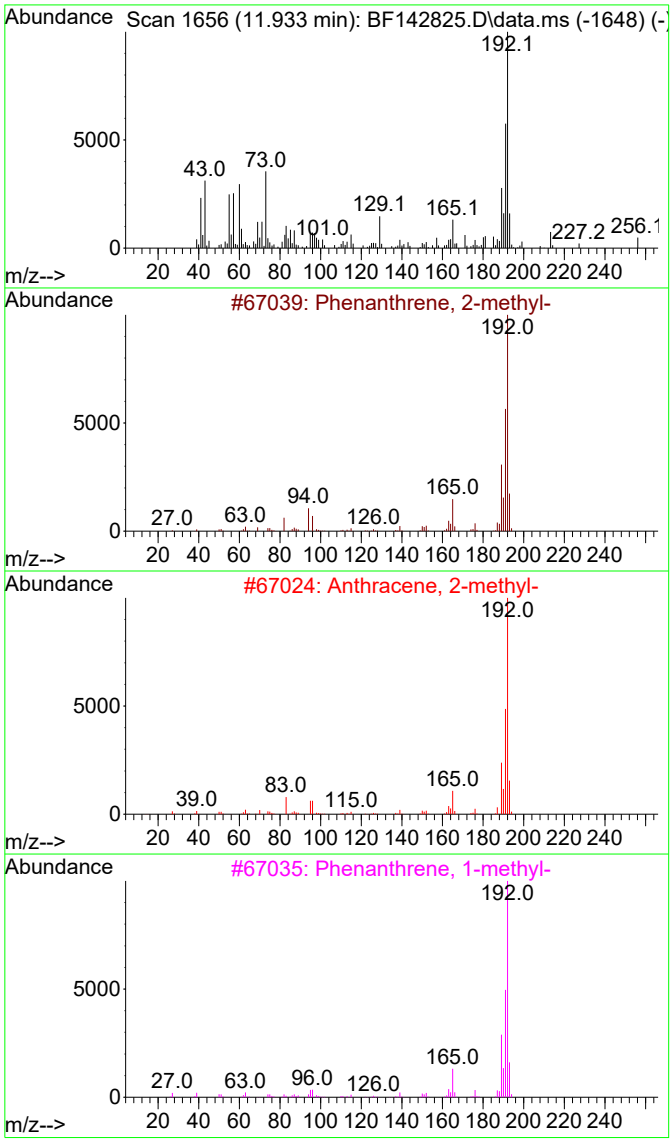
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TIC Integration Parameters: LSCINT.P

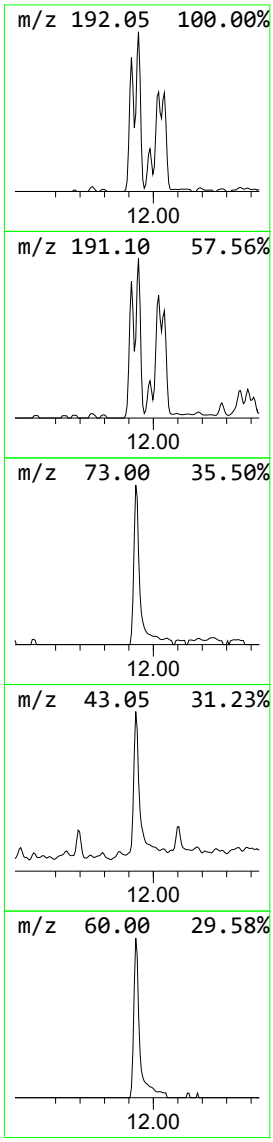
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Peak Number 3 Phenanthrene, 2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.934	10.40 ng	247098	Phenanthrene-d10	11.410

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
Data File : BF142825.D
Acq On : 24 Jun 2025 18:03
Operator : RC/JU
Sample : Q2393-07
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PARK AVE -4

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

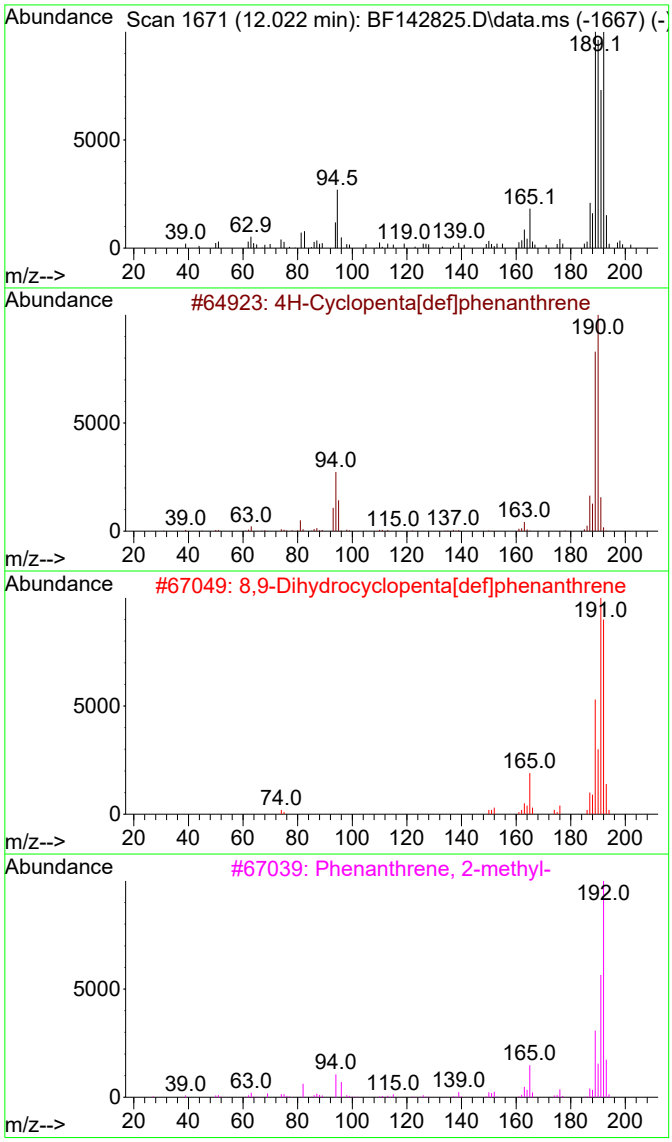
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

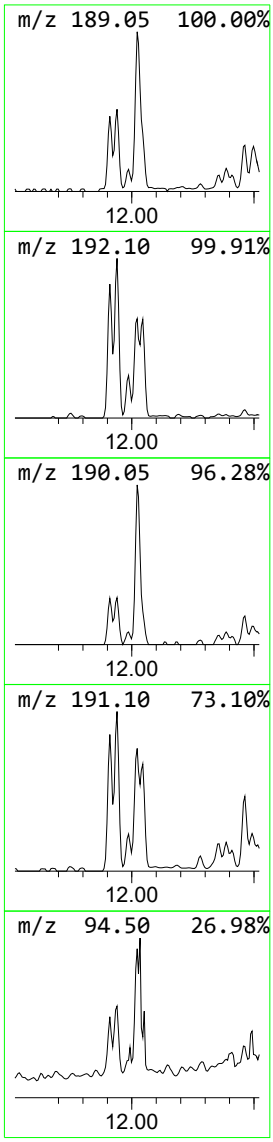
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Peak Number 4 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.022	6.02 ng	143081	Phenanthrene-d10	11.410

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	58
2	8,9-Dihydrocyclopenta[def]phenan...	192	C15H12	027410-55-5	48
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	46
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	42
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	42





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
Data File : BF142825.D
Acq On : 24 Jun 2025 18:03
Operator : RC/JU
Sample : Q2393-07
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PARK AVE -4

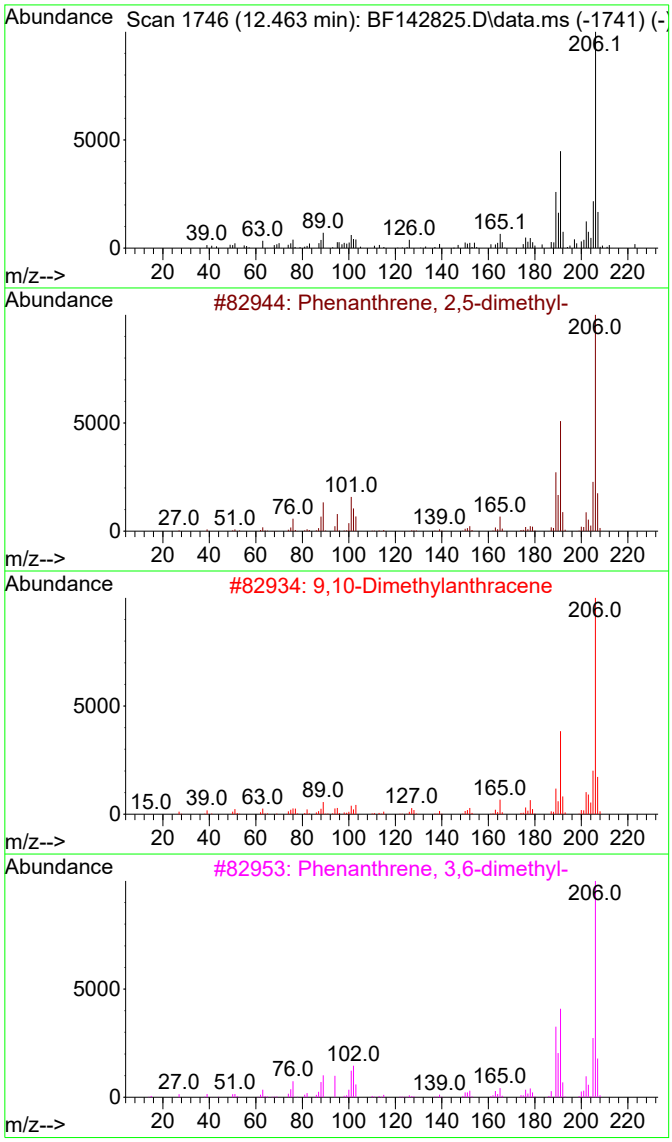
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

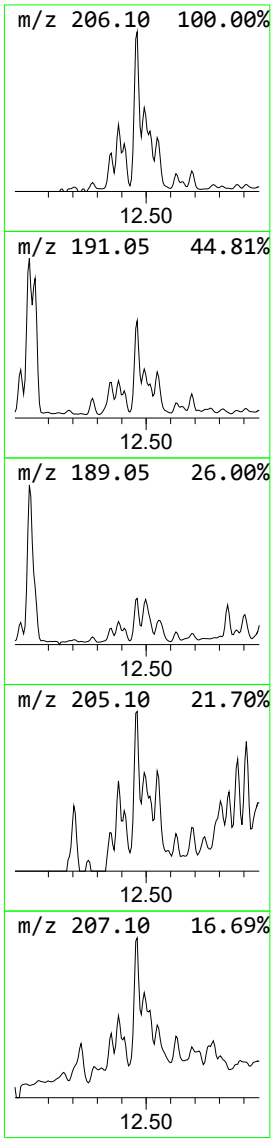
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Phenanthrene, 2,5-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.463	2.81 ng	66813	Phenanthrene-d10	11.410

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
4	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	90
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
Data File : BF142825.D
Acq On : 24 Jun 2025 18:03
Operator : RC/JU
Sample : Q2393-07
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PARK AVE -4

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

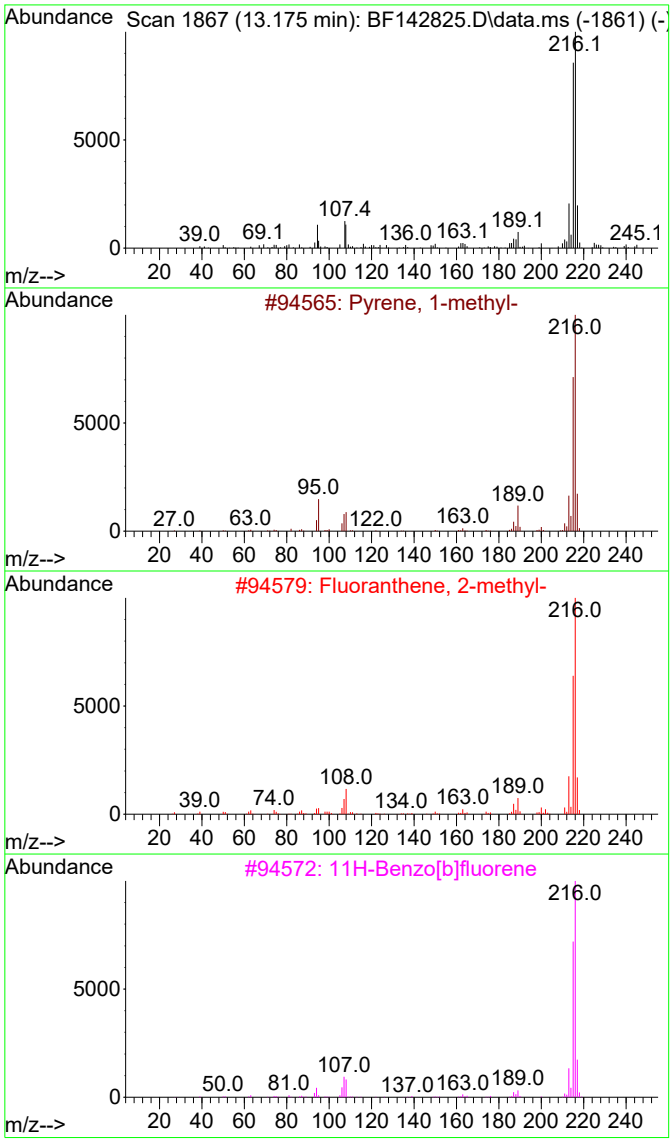
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

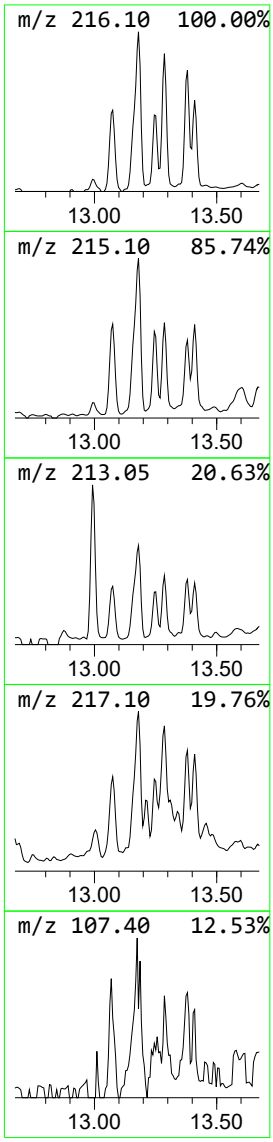
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Peak Number 6 Pyrene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.175	2.07 ng	76077	Chrysene-d12	14.051

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	72





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
Data File : BF142825.D
Acq On : 24 Jun 2025 18:03
Operator : RC/JU
Sample : Q2393-07
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PARK AVE -4

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

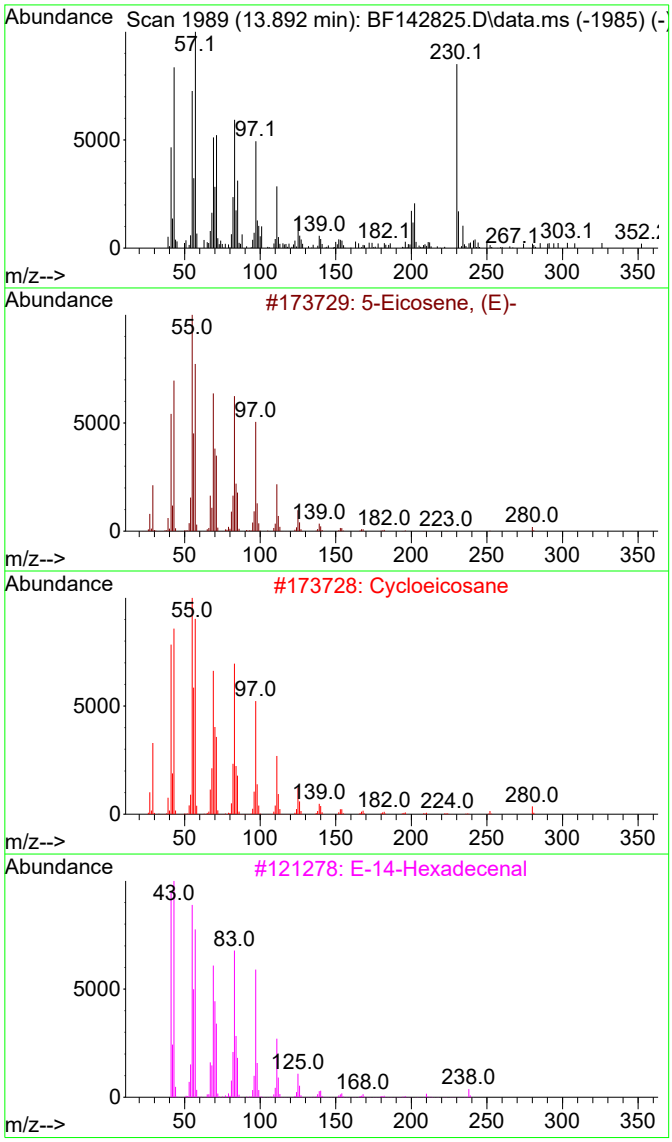
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TIC Integration Parameters: LSCINT.P

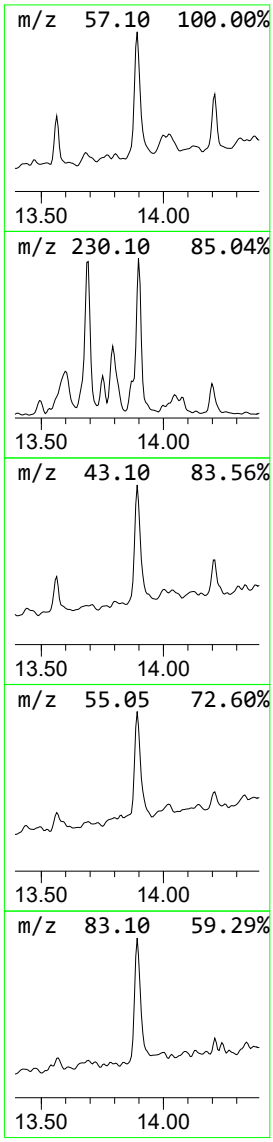
****

Peak Number 7 5-Eicosene, (E)- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.892	4.41 ng	161898	Chrysene-d12	14.051

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Eicosene, (E)-	280	C20H40	074685-30-6	94
2	Cycloeicosane	280	C20H40	000296-56-0	92
3	E-14-Hexadecenal	238	C16H30O	330207-53-9	86
4	9-Eicosene, (E)-	280	C20H40	074685-29-3	80
5	Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	70





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
Data File : BF142825.D
Acq On : 24 Jun 2025 18:03
Operator : RC/JU
Sample : Q2393-07
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PARK AVE -4

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-...	5.087	6.7	ng	116634	1	6.881	350446	20.0
Benzophenone	10.634	4.3	ng	86015	3	9.916	395096	20.0
Phenanthrene, 2...	11.934	10.4	ng	247098	4	11.410	475212	20.0
4H-Cyclopenta[d...	12.022	6.0	ng	143081	4	11.410	475212	20.0
Phenanthrene, 2...	12.463	2.8	ng	66813	4	11.410	475212	20.0
Pyrene, 1-methyl-	13.175	2.1	ng	76077	5	14.051	734762	20.0
5-Eicosene, (E)-	13.892	4.4	ng	161898	5	14.051	734762	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
Data File : BF142826.D
Acq On : 24 Jun 2025 18:34
Operator : RC/JU
Sample : Q2393-09
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PARK AVE -5

Quant Time: Jun 25 01:29:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

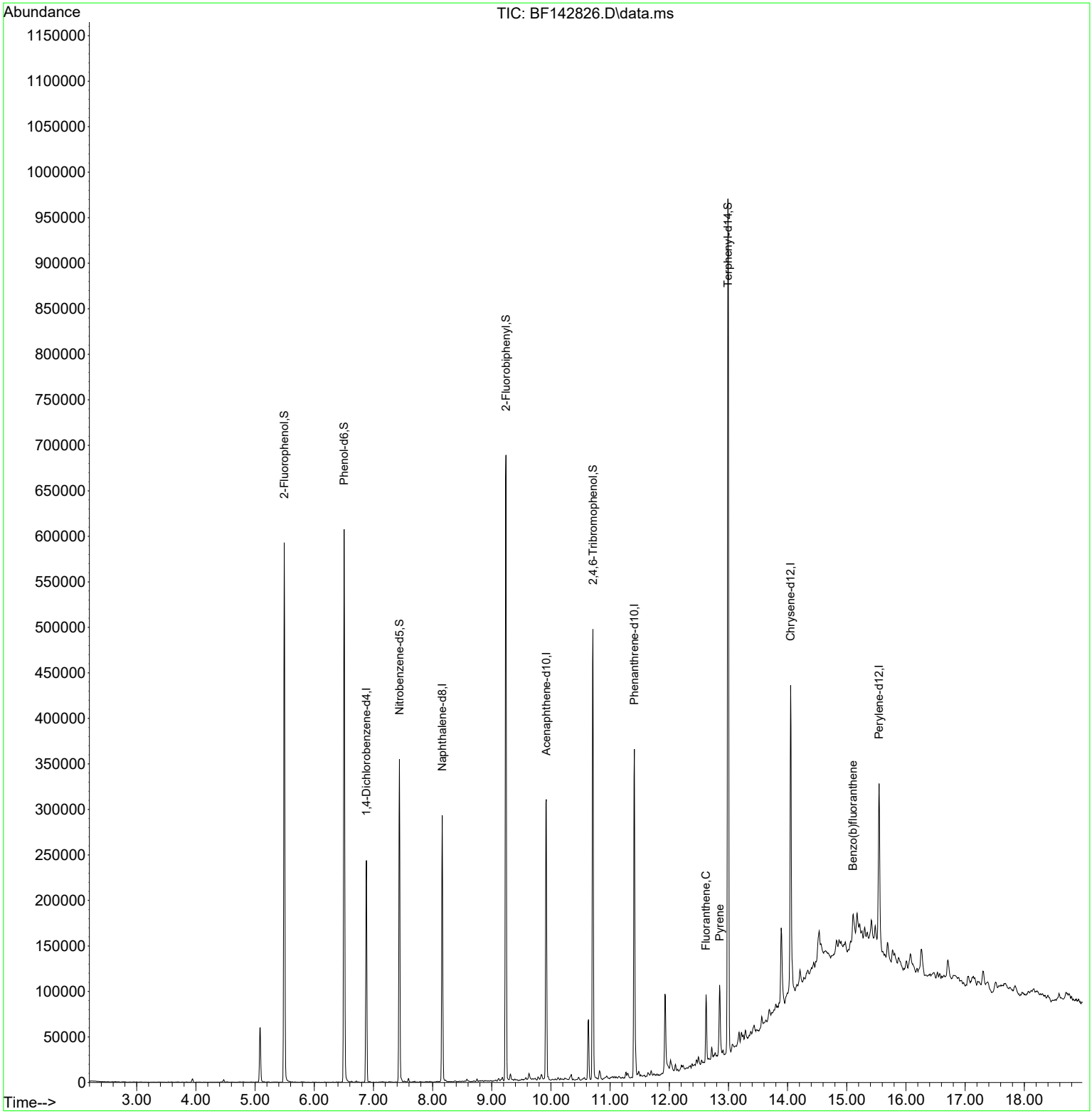
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	53337	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	183629	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	94380	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	188653	20.000	ng	0.00
76) Chrysene-d12	14.051	240	152475	20.000	ng	0.00
86) Perylene-d12	15.545	264	103394	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	222339	69.404	ng	0.00
7) Phenol-d6	6.504	99	268320	70.992	ng	0.00
23) Nitrobenzene-d5	7.440	82	144112	43.047	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	83300	85.767	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	309785	43.119	ng	0.00
79) Terphenyl-d14	12.992	244	457697	41.476	ng	0.00
Target Compounds						Qvalue
75) Fluoranthene	12.622	202	42113	4.342	ng	100
78) Pyrene	12.851	202	43782	3.063	ng	99
88) Benzo(b)fluoranthene	15.104	252	15117m	2.527	ng	

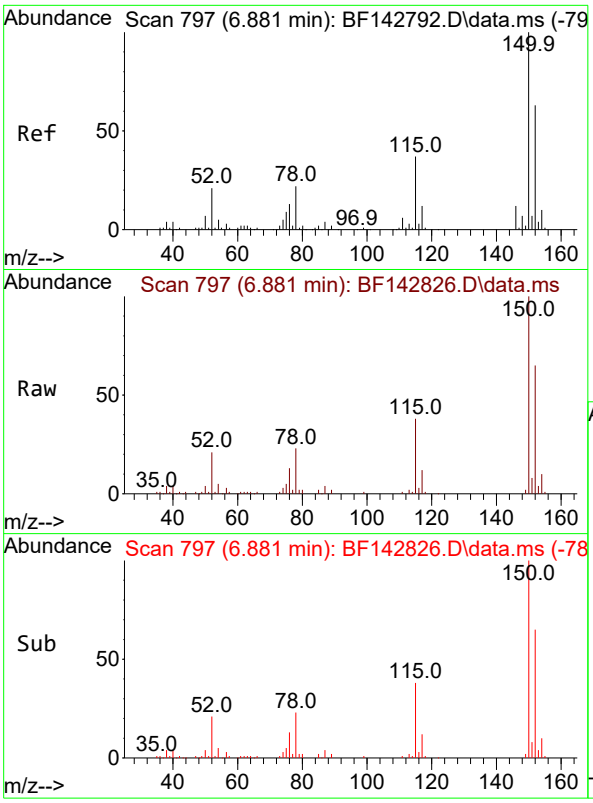
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
Data File : BF142826.D
Acq On : 24 Jun 2025 18:34
Operator : RC/JU
Sample : Q2393-09
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PARK AVE -5

Quant Time: Jun 25 01:29:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration



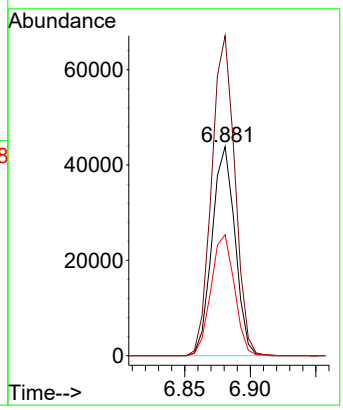


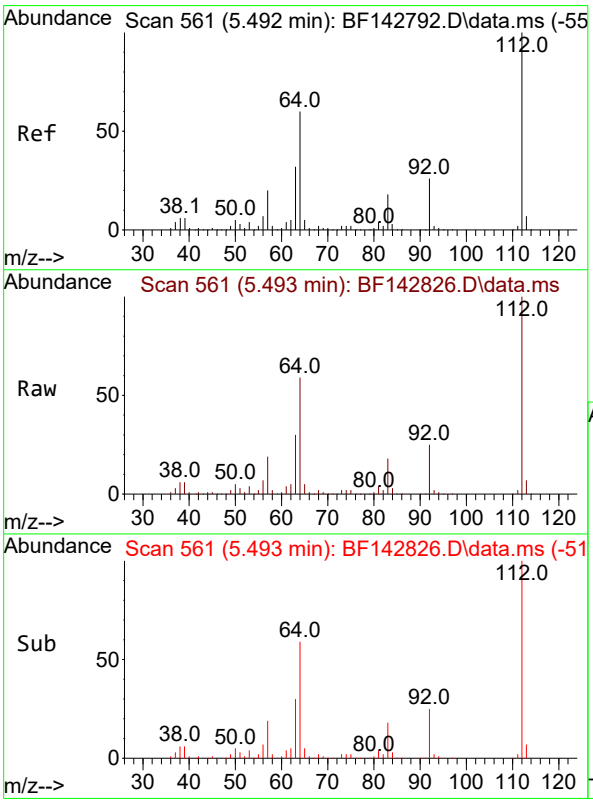
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF142826.D
Acq: 24 Jun 2025 18:34

Instrument :
BNA_F
ClientSampleId :
PARK AVE -5

Tgt Ion:152 Resp: 53337

Ion	Ratio	Lower	Upper
152	100		
150	153.2	127.2	190.8
115	57.9	46.6	69.8

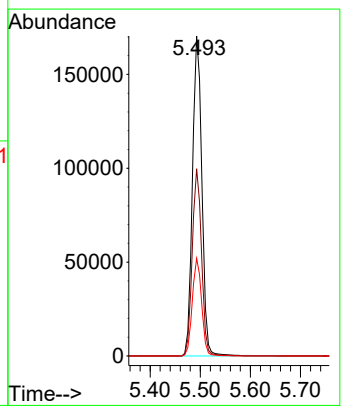


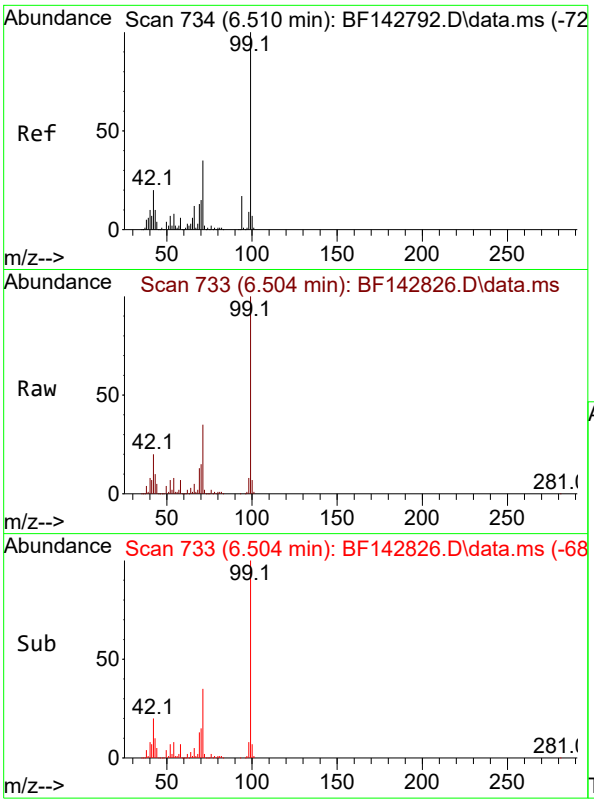


#5
2-Fluorophenol
Concen: 69.404 ng
RT: 5.493 min Scan# 561
Delta R.T. 0.001 min
Lab File: BF142826.D
Acq: 24 Jun 2025 18:34

Tgt Ion:112 Resp: 222339

Ion	Ratio	Lower	Upper
112	100		
64	58.5	48.2	72.2
63	30.5	25.7	38.5



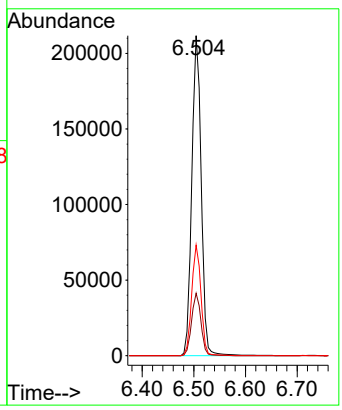


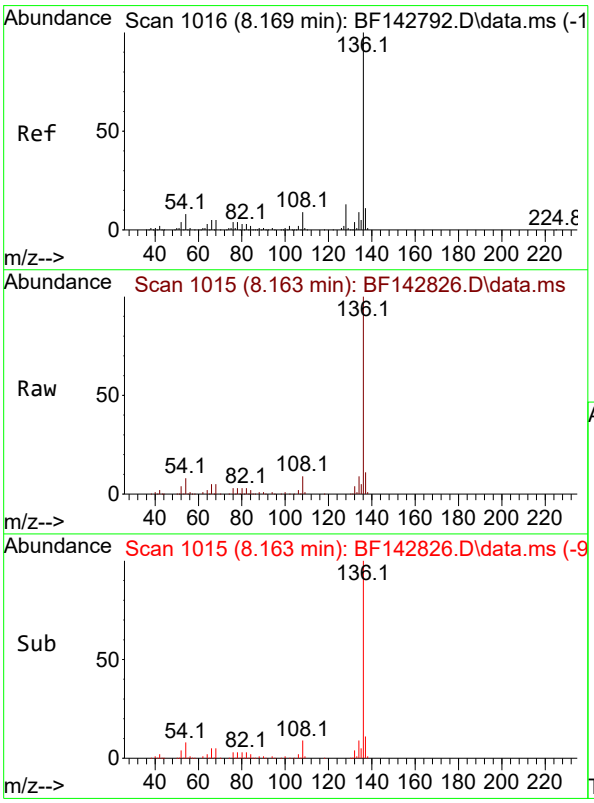
#7
Phenol-d6
Concen: 70.992 ng
RT: 6.504 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142826.D
Acq: 24 Jun 2025 18:34

Instrument :
BNA_F
ClientSampleId :
PARK AVE -5

Tgt Ion: 99 Resp: 268320

Ion	Ratio	Lower	Upper
99	100		
42	19.5	15.9	23.9
71	34.5	27.8	41.8

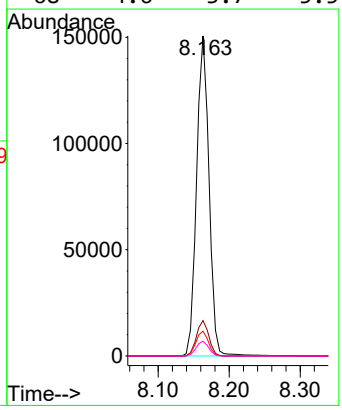


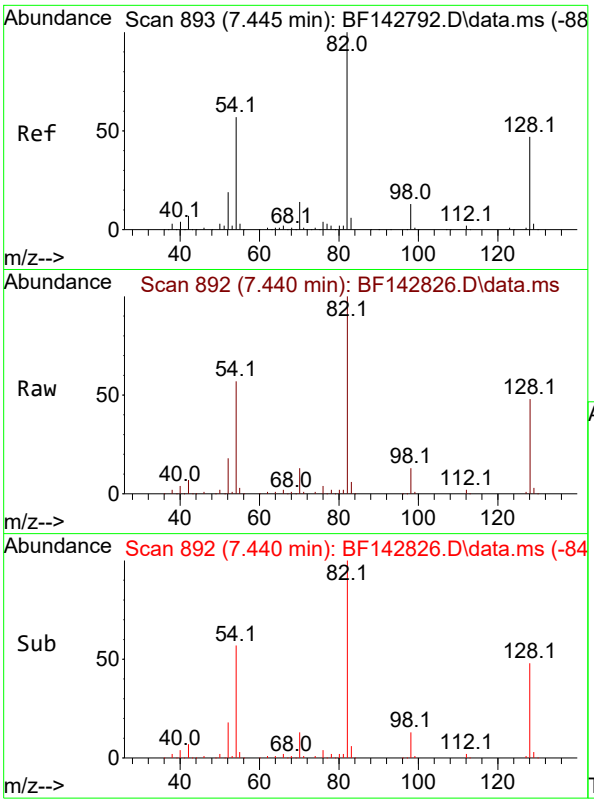


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1015
Delta R.T. -0.006 min
Lab File: BF142826.D
Acq: 24 Jun 2025 18:34

Tgt Ion:136 Resp: 183629

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.4	12.6
54	7.7	6.3	9.5
68	4.6	3.7	5.5



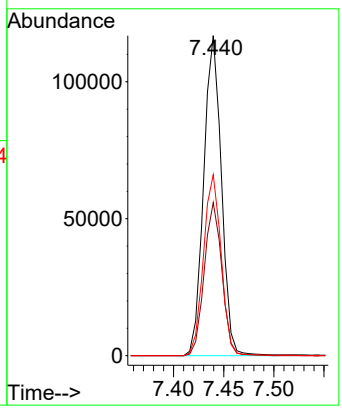


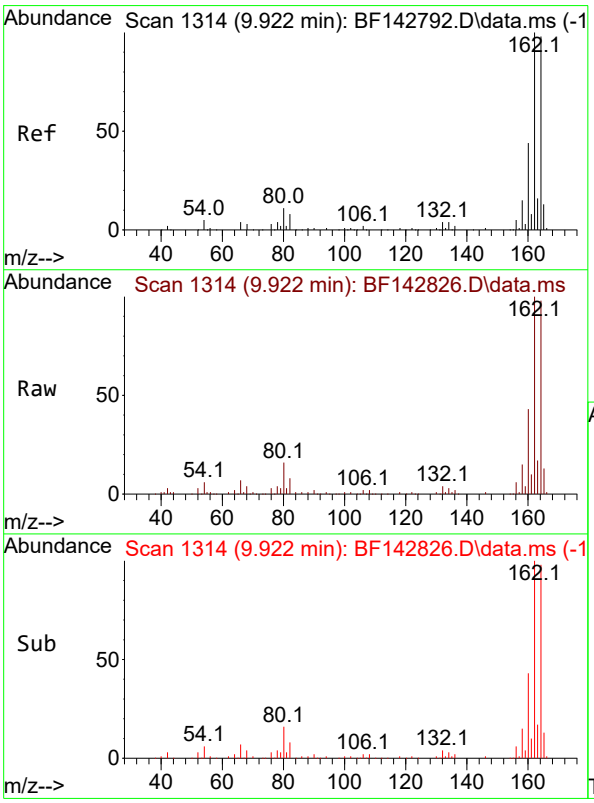
#23
Nitrobenzene-d5
Concen: 43.047 ng
RT: 7.440 min Scan# 8
Delta R.T. -0.005 min
Lab File: BF142826.D
Acq: 24 Jun 2025 18:34

Instrument :
BNA_F
ClientSampleId :
PARK AVE -5

Tgt Ion: 82 Resp: 144112

Ion	Ratio	Lower	Upper
82	100		
128	47.8	37.7	56.5
54	56.6	45.7	68.5

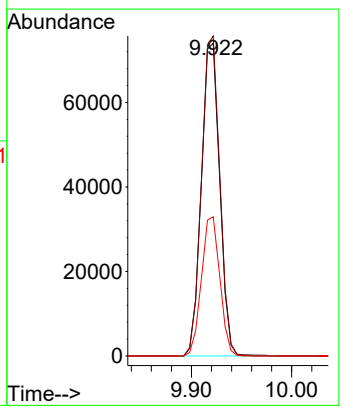


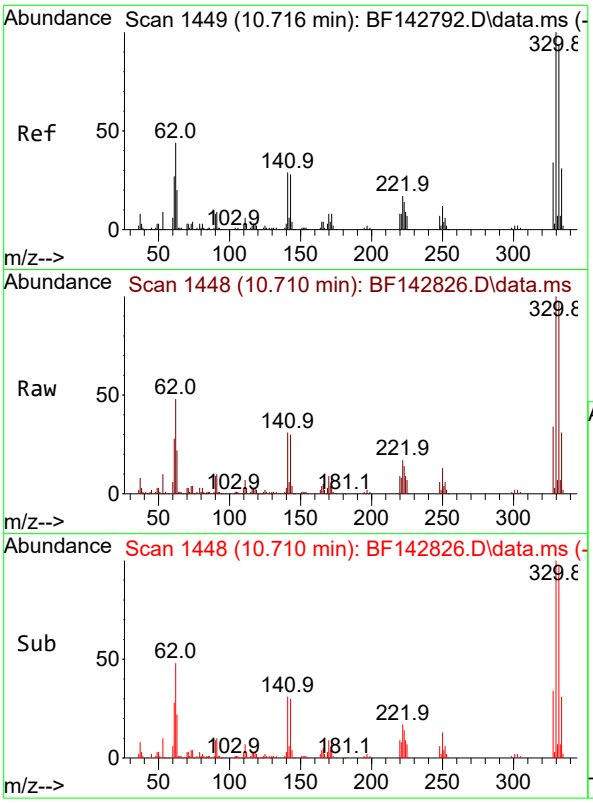


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1314
Delta R.T. 0.000 min
Lab File: BF142826.D
Acq: 24 Jun 2025 18:34

Tgt Ion:164 Resp: 94380

Ion	Ratio	Lower	Upper
164	100		
162	102.3	81.8	122.8
160	44.5	36.0	54.0



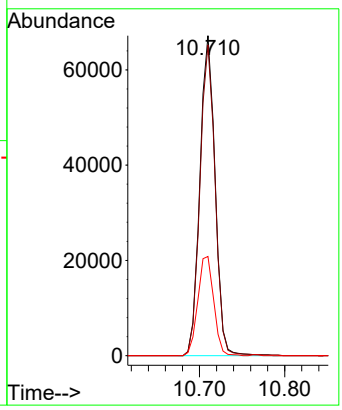


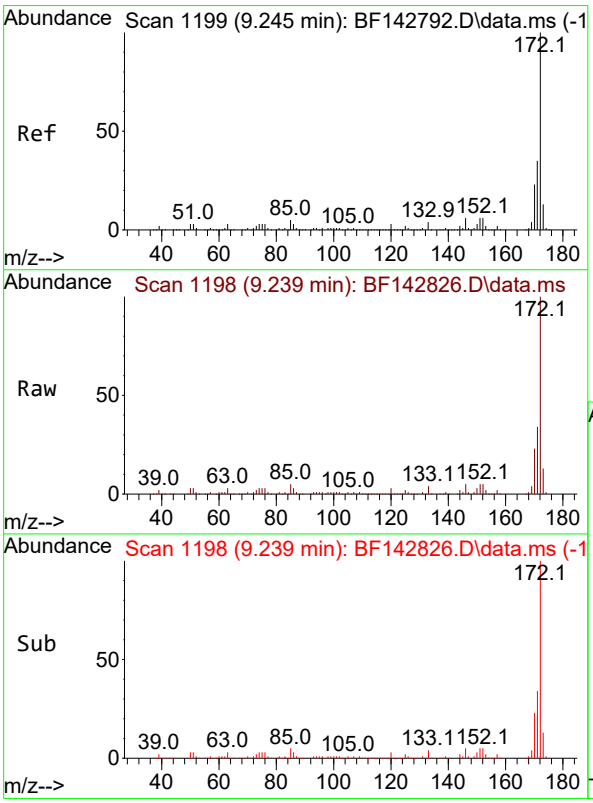
#42
2,4,6-Tribromophenol
Concen: 85.767 ng
RT: 10.710 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142826.D
Acq: 24 Jun 2025 18:34

Instrument :
BNA_F
ClientSampleId :
PARK AVE -5

Tgt Ion:330 Resp: 83300

Ion	Ratio	Lower	Upper
330	100		
332	96.9	75.0	112.6
141	32.4	25.3	37.9

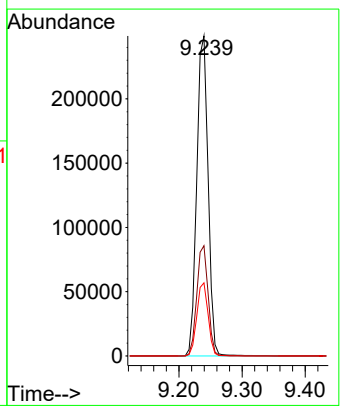


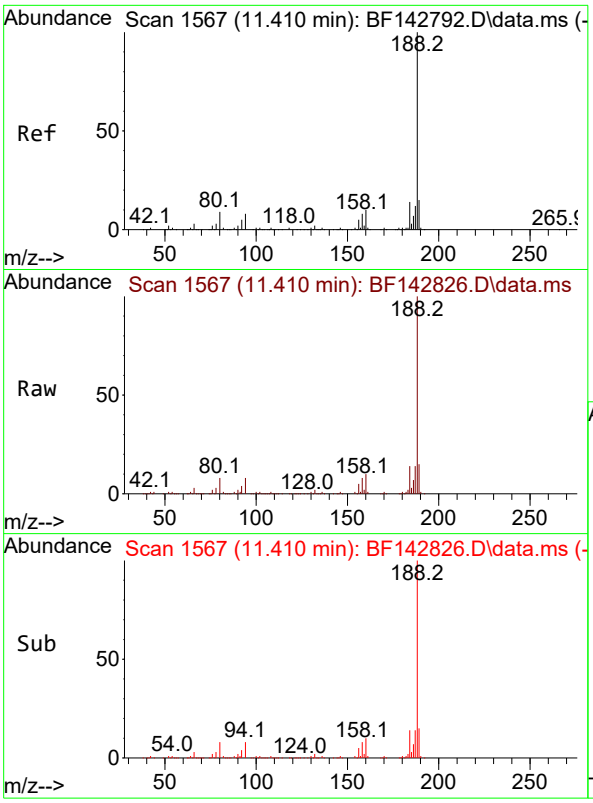


#45
2-Fluorobiphenyl
Concen: 43.119 ng
RT: 9.239 min Scan# 1198
Delta R.T. -0.006 min
Lab File: BF142826.D
Acq: 24 Jun 2025 18:34

Tgt Ion:172 Resp: 309785

Ion	Ratio	Lower	Upper
172	100		
171	34.4	28.2	42.4
170	22.9	18.5	27.7



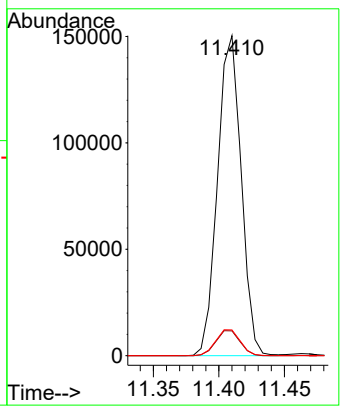


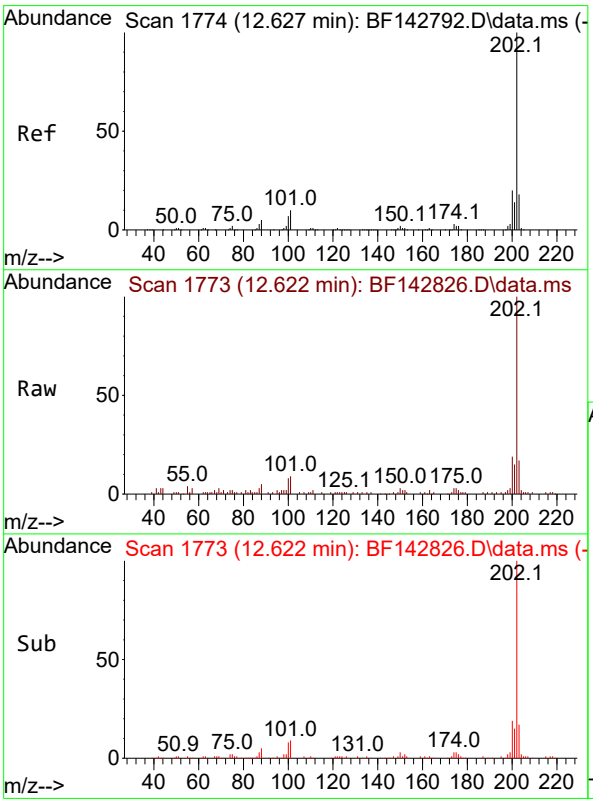
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142826.D
Acq: 24 Jun 2025 18:34

Instrument :
BNA_F
ClientSampleId :
PARK AVE -5

Tgt Ion:188 Resp: 188653

Ion	Ratio	Lower	Upper
188	100		
94	7.8	6.7	10.1
80	8.1	6.9	10.3

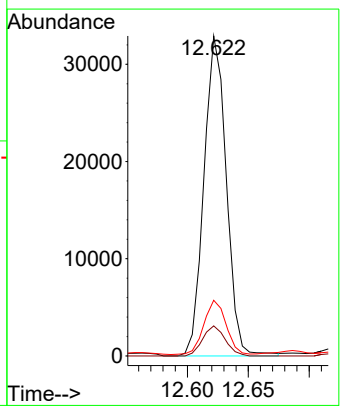


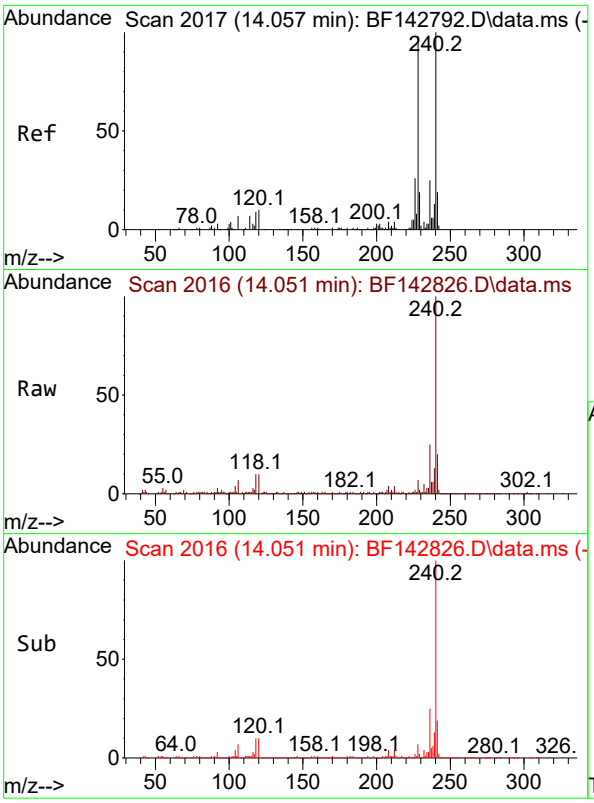


#75
Fluoranthene
Concen: 4.342 ng
RT: 12.622 min Scan# 1773
Delta R.T. -0.006 min
Lab File: BF142826.D
Acq: 24 Jun 2025 18:34

Tgt Ion:202 Resp: 42113

Ion	Ratio	Lower	Upper
202	100		
101	9.4	0.0	29.7
203	17.4	0.0	37.5



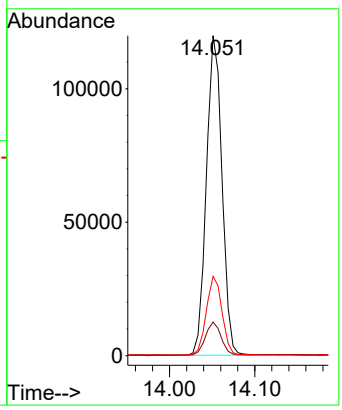


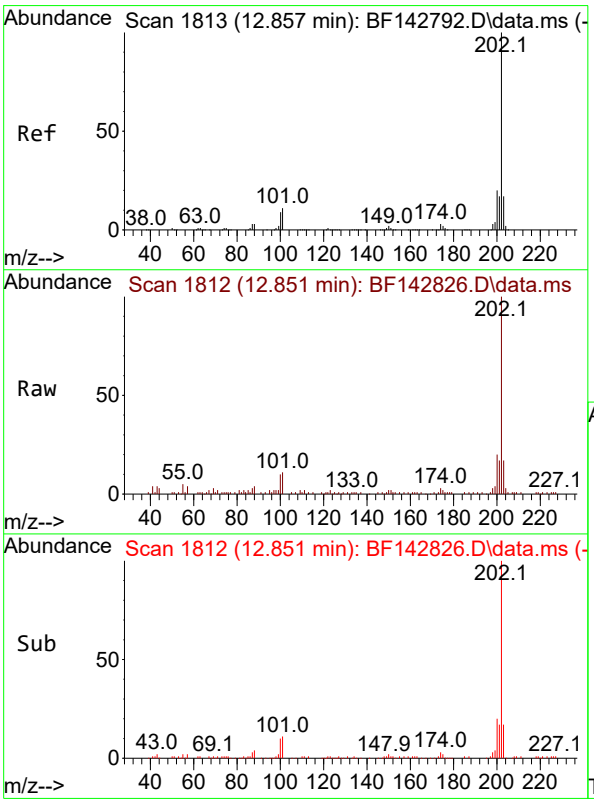
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142826.D
Acq: 24 Jun 2025 18:34

Instrument :
BNA_F
ClientSampleId :
PARK AVE -5

Tgt Ion:240 Resp: 152475

Ion	Ratio	Lower	Upper
240	100		
120	10.5	8.2	12.2
236	24.7	19.8	29.8

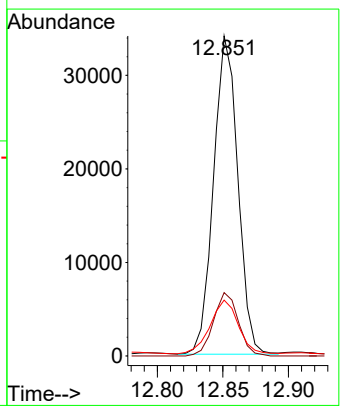


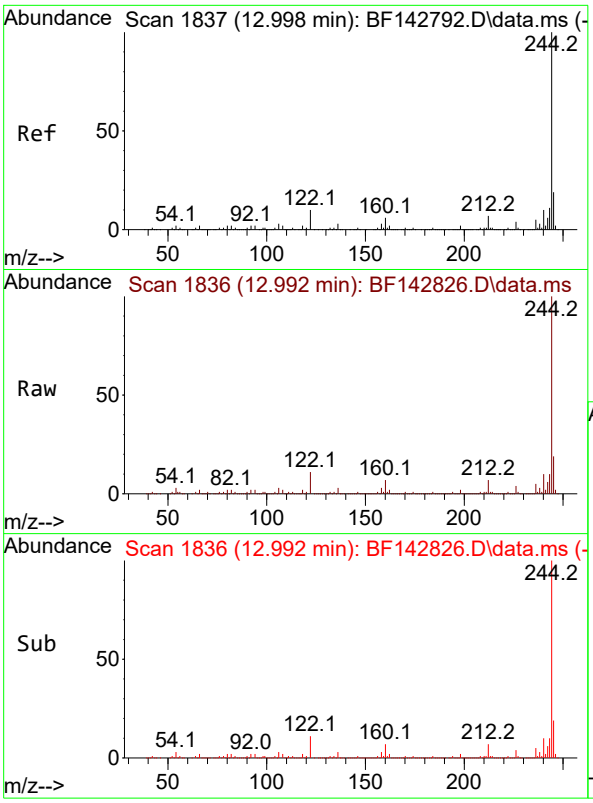


#78
Pyrene
Concen: 3.063 ng
RT: 12.851 min Scan# 1812
Delta R.T. -0.006 min
Lab File: BF142826.D
Acq: 24 Jun 2025 18:34

Tgt Ion:202 Resp: 43782

Ion	Ratio	Lower	Upper
202	100		
200	19.8	15.7	23.5
203	17.5	13.8	20.6



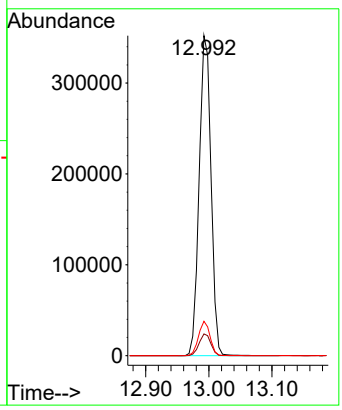


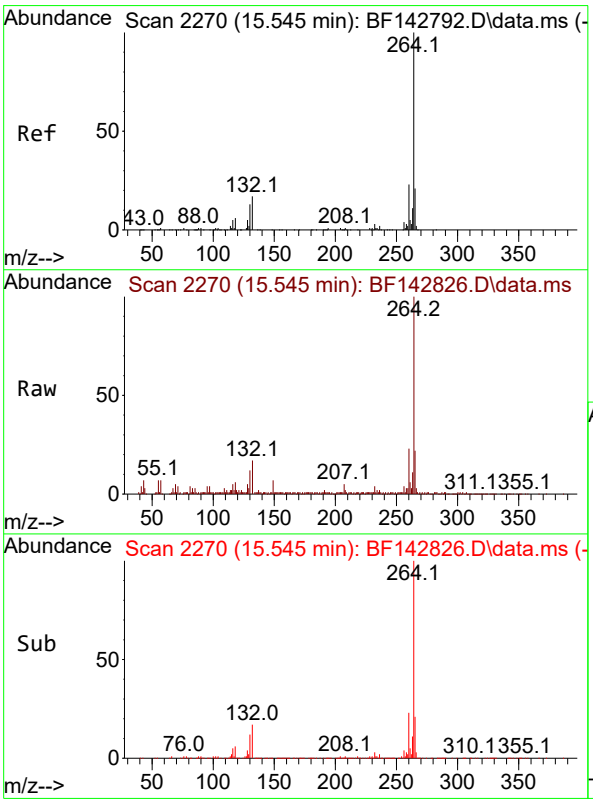
#79
Terphenyl-d14
Concen: 41.476 ng
RT: 12.992 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142826.D
Acq: 24 Jun 2025 18:34

Instrument :
BNA_F
ClientSampleId :
PARK AVE -5

Tgt Ion:244 Resp: 457697

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.0
122	10.7	8.2	12.2

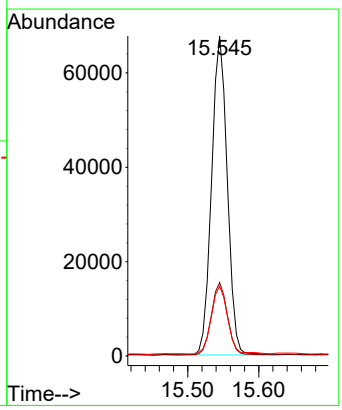


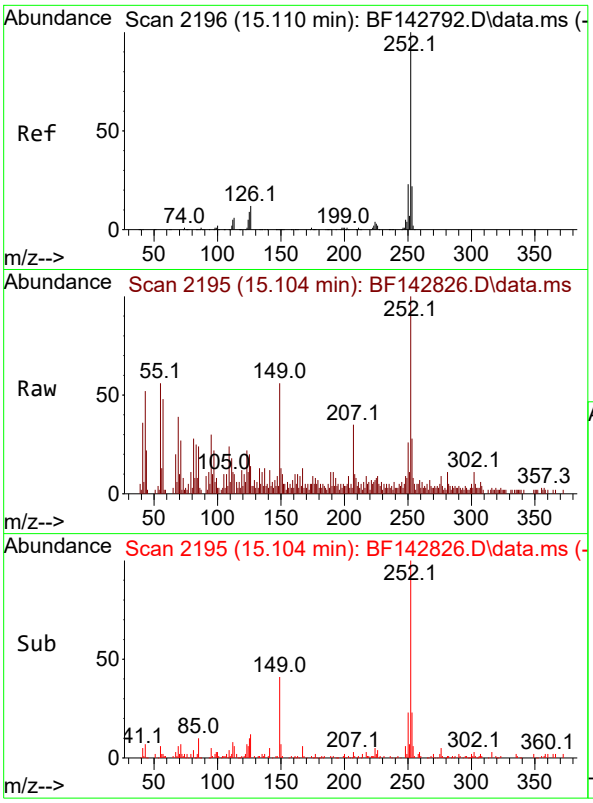


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2270
Delta R.T. 0.000 min
Lab File: BF142826.D
Acq: 24 Jun 2025 18:34

Tgt Ion:264 Resp: 103394

Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.1	27.1
265	21.8	16.6	25.0



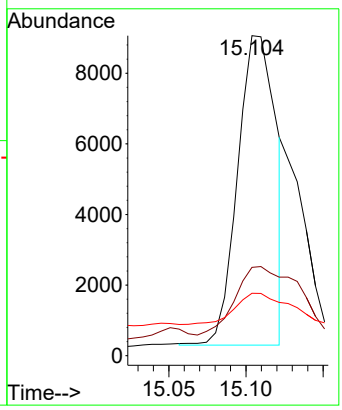


#88
Benzo(b)fluoranthene
Concen: 2.527 ng m
RT: 15.104 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF142826.D
Acq: 24 Jun 2025 18:34

Instrument :
BNA_F
ClientSampleId :
PARK AVE -5

Tgt Ion:252 Resp: 15117

Ion	Ratio	Lower	Upper
252	100		
253	27.6	17.5	26.3#
125	19.5	7.4	11.0#



Sample Results: **BF142826.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
Data File : BF142826.D
Acq On : 24 Jun 2025 18:34
Operator : RC/JU
Sample : Q2393-09
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PARK AVE -5

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF142826.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.087	484	492	500	rBV	59597	86968	7.11%	1.119%
2	5.493	556	561	573	rBV	592468	759279	62.12%	9.773%
3	6.504	728	733	751	rBV	607172	772174	63.17%	9.939%
4	6.881	792	797	802	rBV	243544	299468	24.50%	3.855%
5	7.440	887	892	897	rBV	354156	433257	35.44%	5.577%
6	8.163	1010	1015	1020	rBV	291537	351321	28.74%	4.522%
7	9.239	1192	1198	1203	rBV	687223	860560	70.40%	11.077%
8	9.922	1308	1314	1318	rBV	306443	391208	32.00%	5.035%
9	10.634	1430	1435	1442	rBV	65847	84119	6.88%	1.083%
10	10.710	1442	1448	1458	rBV	494443	631617	51.67%	8.130%
11	10.822	1463	1467	1475	rVB5	9634	17272	1.41%	0.222%
12	11.410	1561	1567	1574	rBV	360983	487493	39.88%	6.275%
13	11.928	1649	1655	1667	rBV3	87341	159271	13.03%	2.050%
14	12.022	1668	1671	1680	rVB	12156	25767	2.11%	0.332%
15	12.622	1769	1773	1779	rBV	74740	100263	8.20%	1.291%
16	12.716	1786	1789	1793	rBV3	12681	17225	1.41%	0.222%
17	12.851	1807	1812	1819	rBV	76477	118151	9.67%	1.521%
18	12.992	1831	1836	1844	rVB	937153	1222348	100.00%	15.733%
19	13.892	1985	1989	1999	rVB2	82775	145612	11.91%	1.874%
20	14.051	2011	2016	2029	rVB	335585	490632	40.14%	6.315%
21	15.545	2265	2270	2279	rVB	184906	315159	25.78%	4.057%

Sum of corrected areas: 7769164

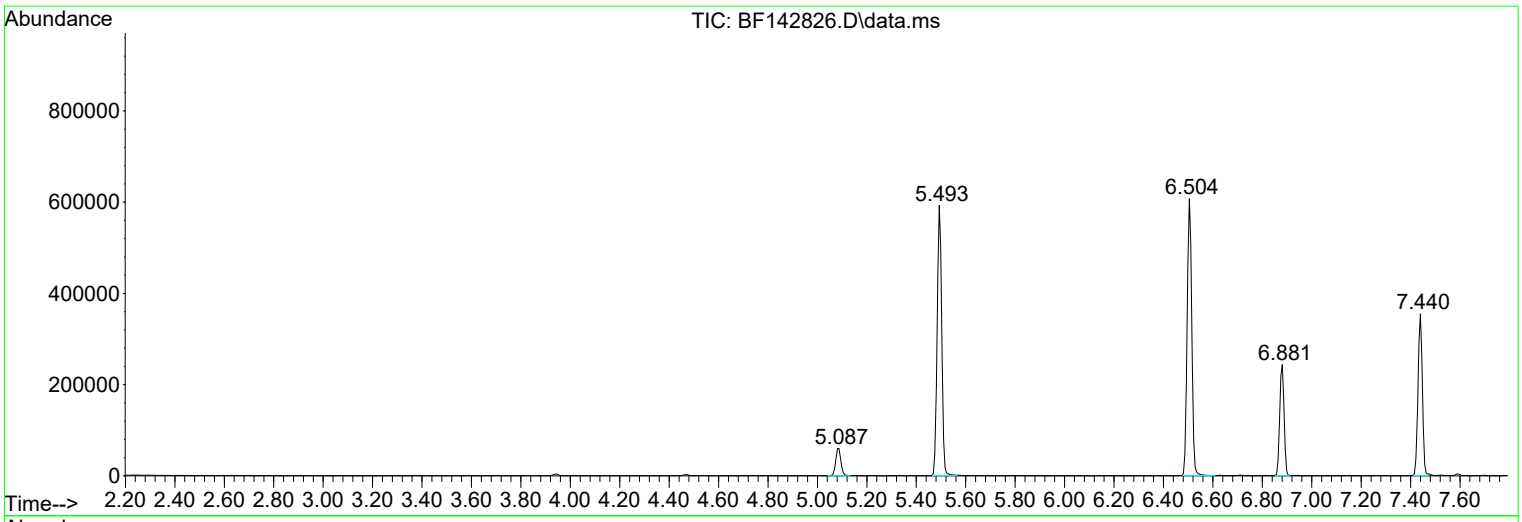
Sample Results: **BF142826.D**

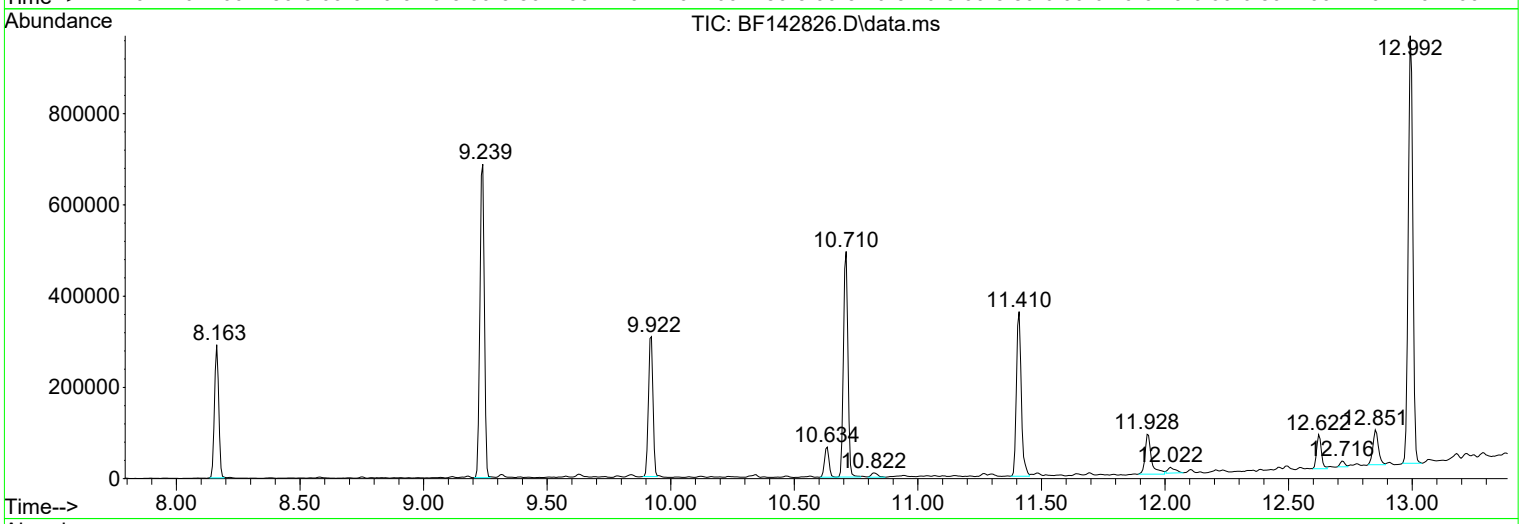
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
Data File : BF142826.D
Acq On : 24 Jun 2025 18:34
Operator : RC/JU
Sample : Q2393-09
Misc :
ALS Vial : 17 Sample Multiplier: 1

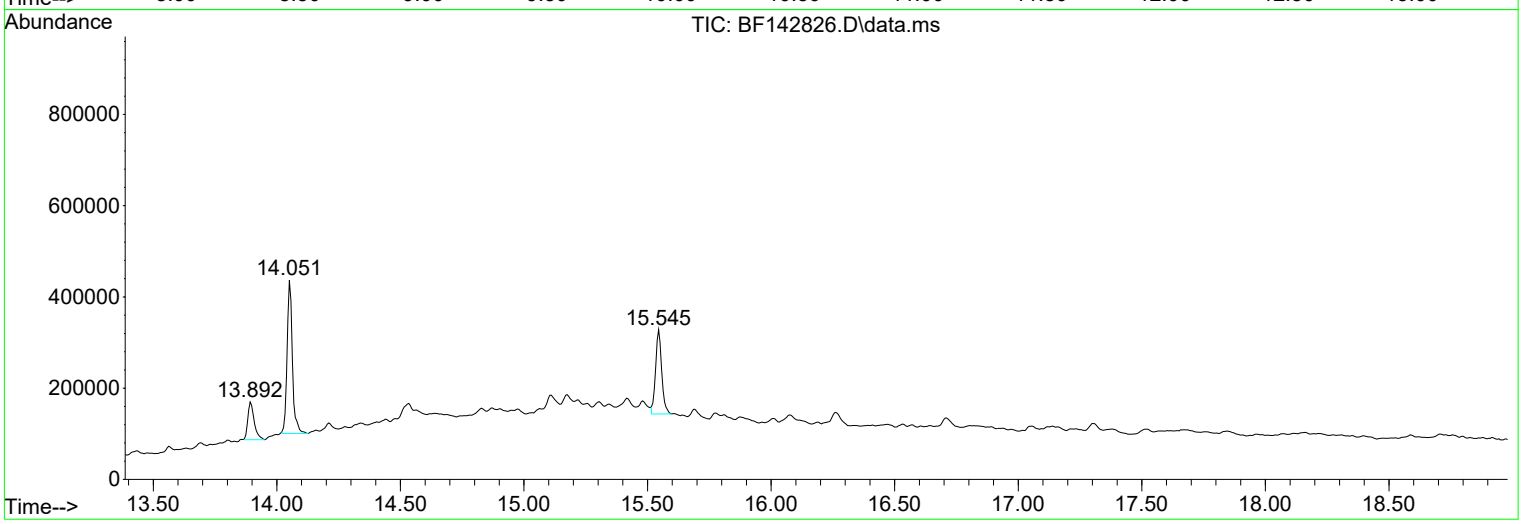
Instrument :
BNA_F
ClientSampleId :
PARK AVE -5

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P







Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
Data File : BF142826.D
Acq On : 24 Jun 2025 18:34
Operator : RC/JU
Sample : Q2393-09
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PARK AVE -5

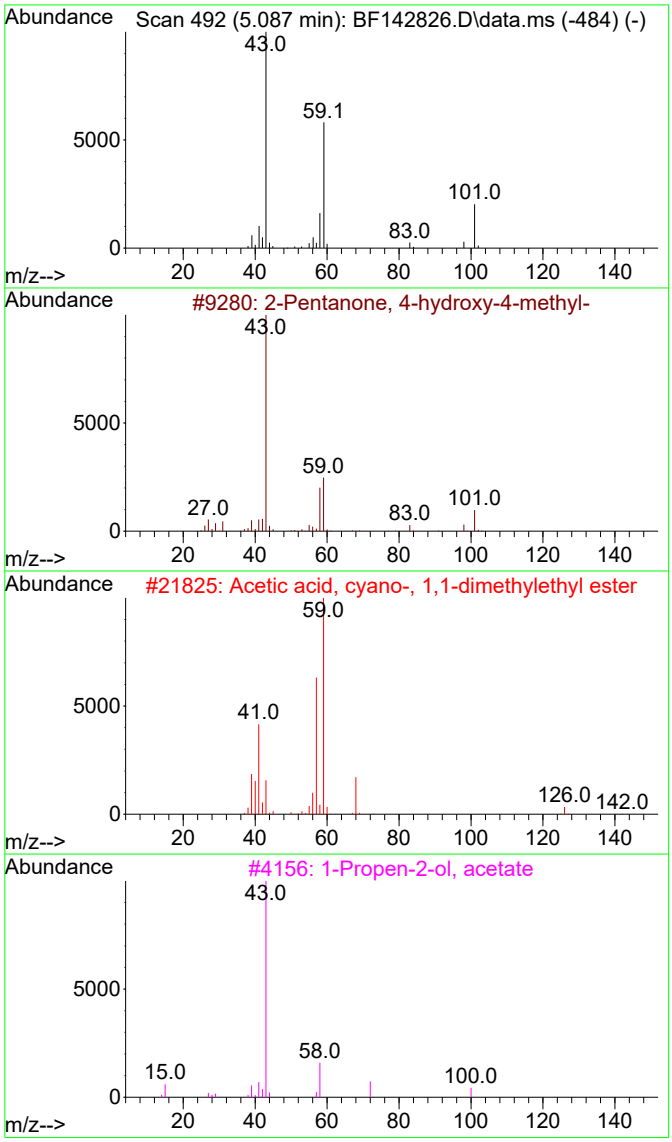
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

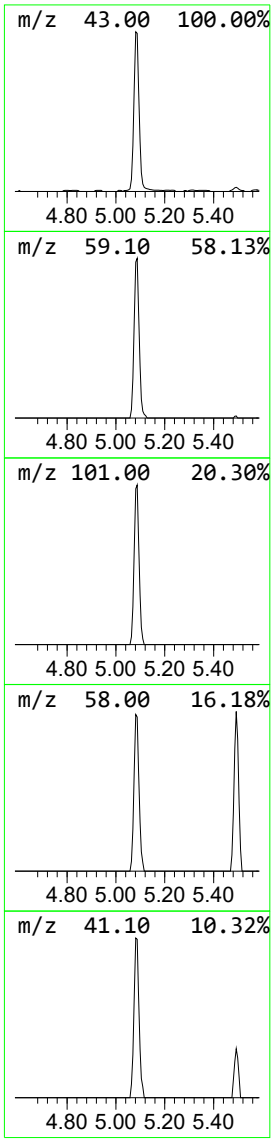
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.087	5.81 ng	86968	1,4-Dichlorobenzene-d4	6.881

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
3	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10
4	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
5	Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
Data File : BF142826.D
Acq On : 24 Jun 2025 18:34
Operator : RC/JU
Sample : Q2393-09
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PARK AVE -5

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

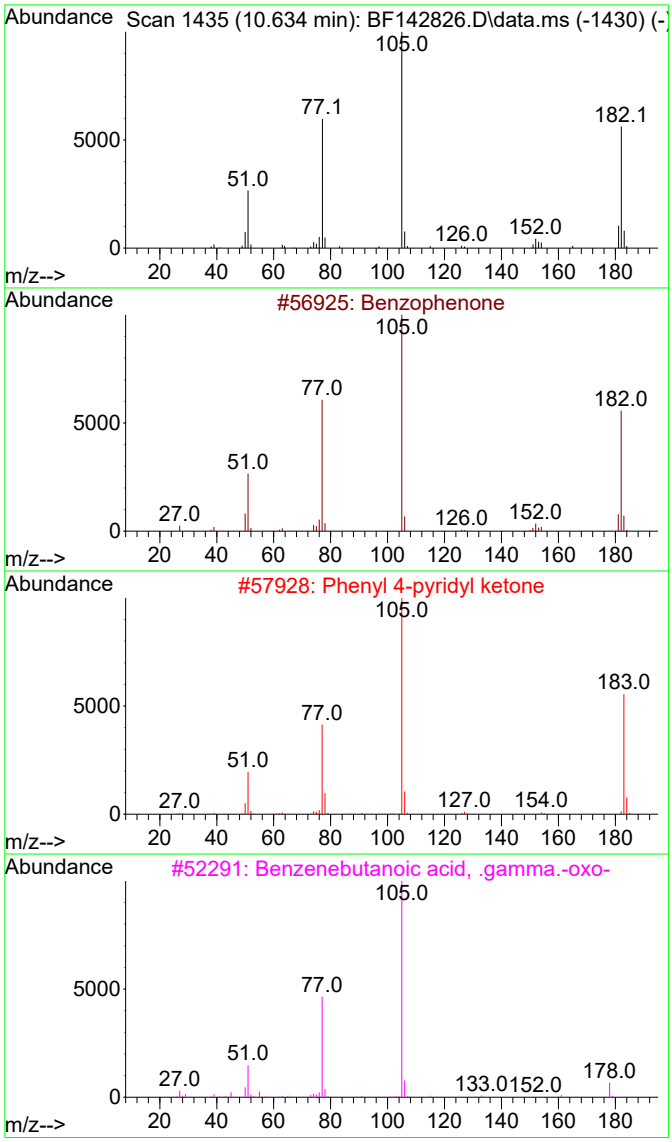
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

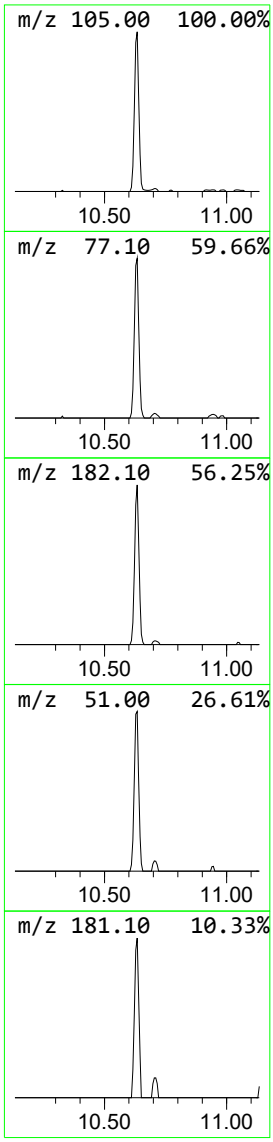
****

Peak Number 2 Benzophenone Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.634	4.30 ng	84119	Acenaphthene-d10	9.922

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	Phenyl 4-pyridyl ketone	183	C12H9NO	014548-46-0	47
3	Benzenebutanoic acid, .gamma.-oxo-	178	C10H10O3	002051-95-8	47
4	acetic acid, 2-bromo-, 2-oxo-2-p...	256	C10H9BrO3	1000401-50-0	47
5	1,2-Propanedione, 1-phenyl-	148	C9H8O2	000579-07-7	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
Data File : BF142826.D
Acq On : 24 Jun 2025 18:34
Operator : RC/JU
Sample : Q2393-09
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PARK AVE -5

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

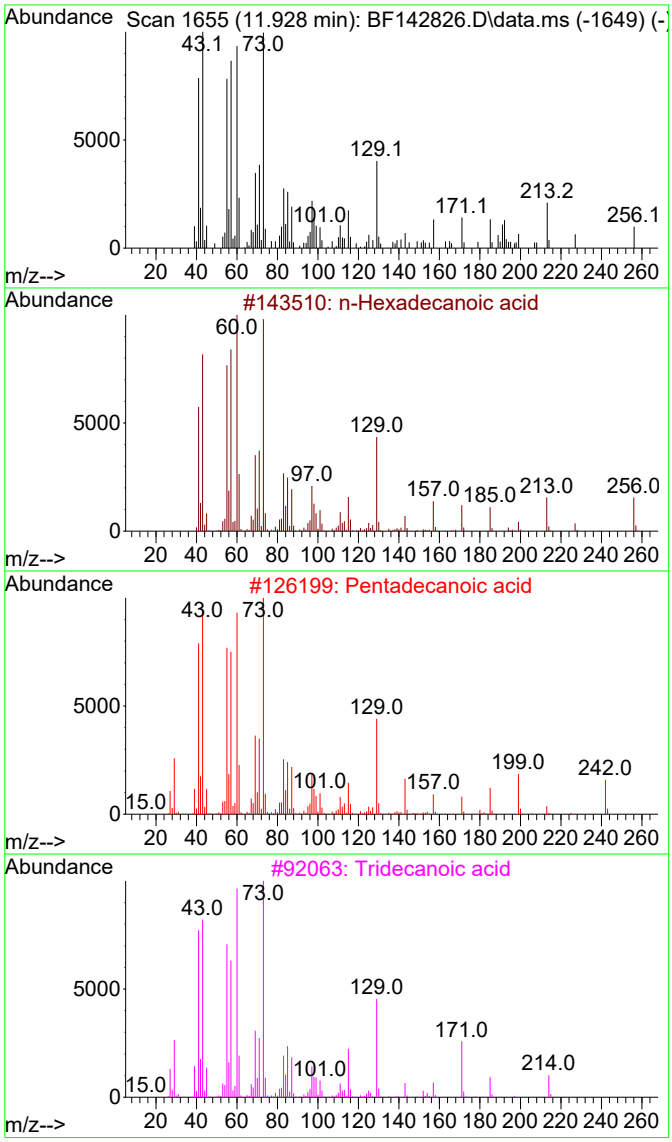
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

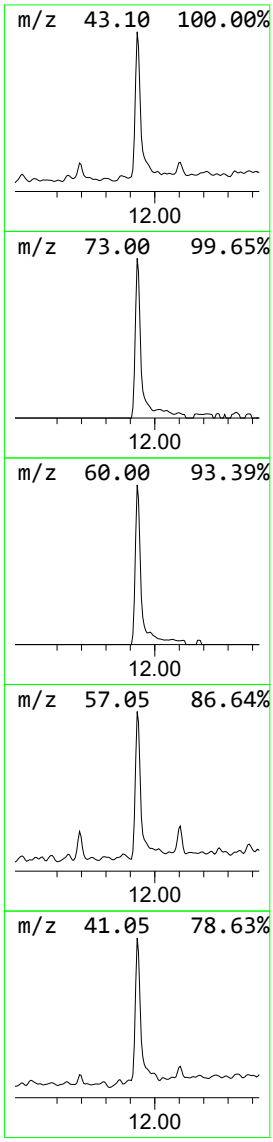
****

Peak Number 3 n-Hexadecanoic acid Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.928	6.53 ng	159271	Phenanthrene-d10	11.410

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	93
3	Tridecanoic acid	214	C13H26O2	000638-53-9	91
4	n-Decanoic acid	172	C10H20O2	000334-48-5	91
5	Tetradecanoic acid	228	C14H28O2	000544-63-8	80





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
Data File : BF142826.D
Acq On : 24 Jun 2025 18:34
Operator : RC/JU
Sample : Q2393-09
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PARK AVE -5

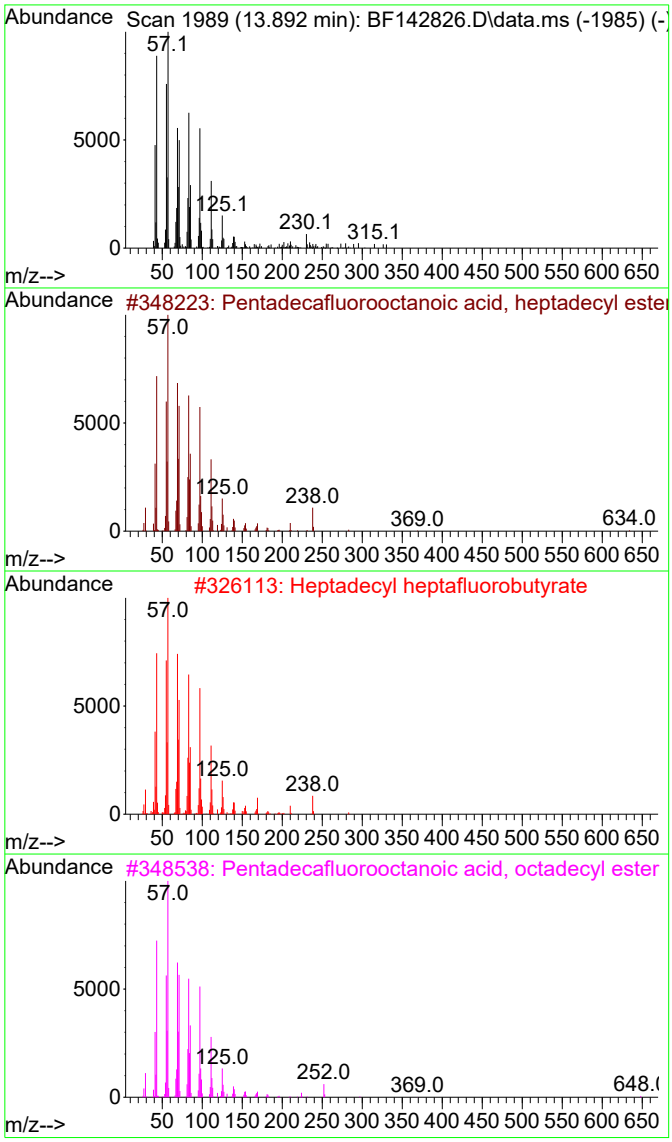
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

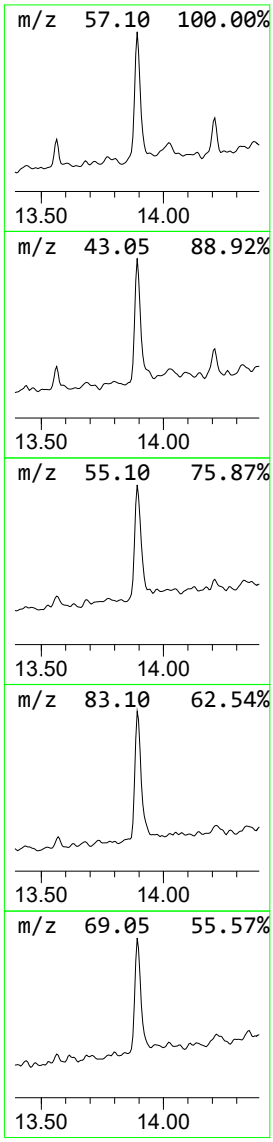
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Pentadecafluorooctanoic aci... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.892	5.94 ng	145612	Chrysene-d12	14.051

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecafluorooctanoic acid, he...	652	C25H35F15O2	1000406-04-7	94
2	Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	94
3	Pentadecafluorooctanoic acid, oc...	666	C26H37F15O2	1000406-04-8	94
4	1-Heneicosanol	312	C21H44O	015594-90-8	93
5	Heptafluorobutyric acid, hexadec...	438	C20H33F7O2	006385-15-5	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
Data File : BF142826.D
Acq On : 24 Jun 2025 18:34
Operator : RC/JU
Sample : Q2393-09
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PARK AVE -5

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-...	5.087	5.8	ng	86968	1	6.881	299468	20.0
Benzophenone	10.634	4.3	ng	84119	3	9.922	391208	20.0
n-Hexadecanoic ...	11.928	6.5	ng	159271	4	11.410	487493	20.0
Pentadecafluoro...	13.892	5.9	ng	145612	5	14.051	490632	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
Data File : BF142823.D
Acq On : 24 Jun 2025 17:01
Operator : RC/JU
Sample : Q2393-11
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PARK AVE -6

Quant Time: Jun 24 17:23:14 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

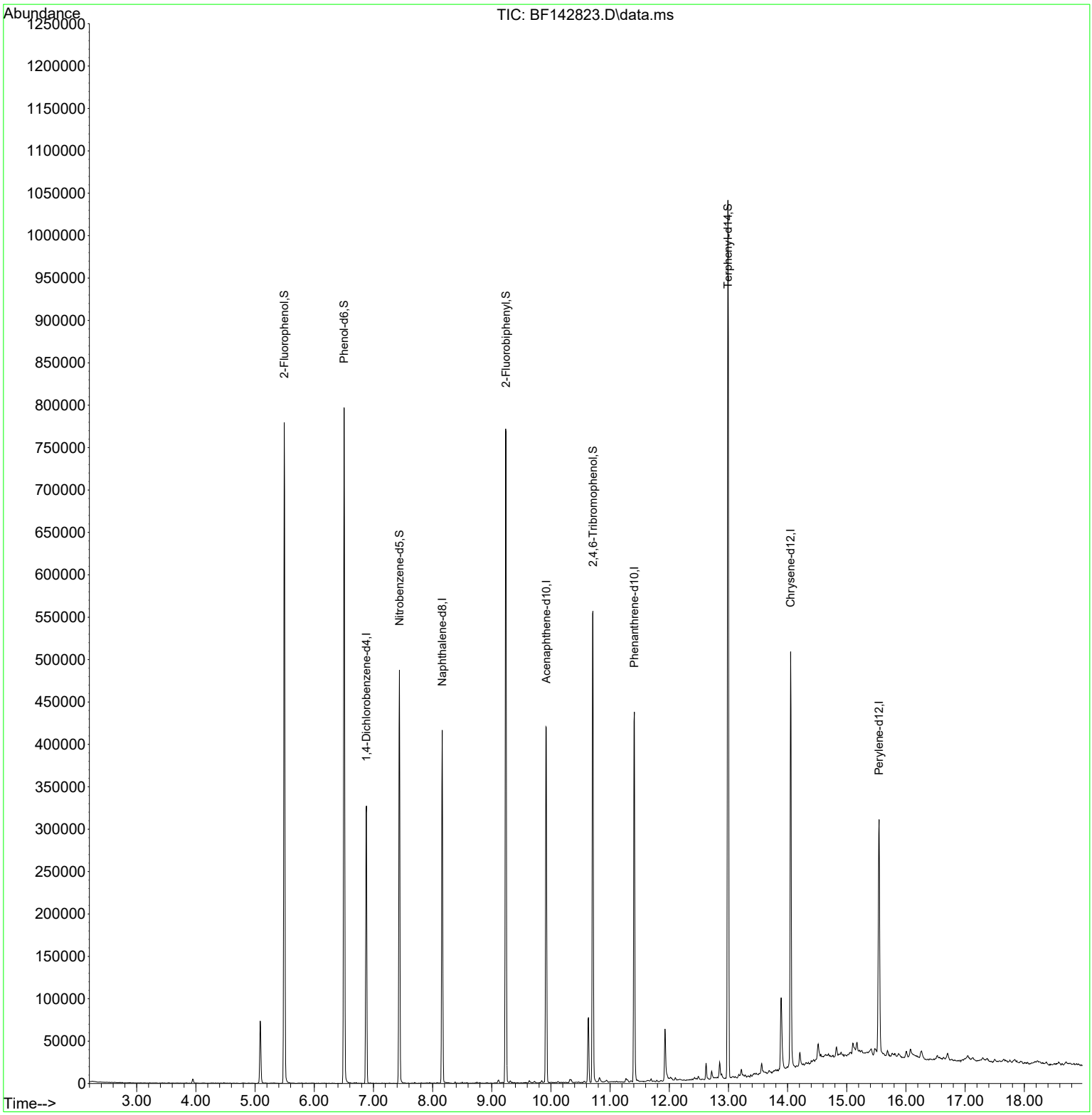
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	73650	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	263416	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	131114	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	233515	20.000	ng	0.00
76) Chrysene-d12	14.051	240	228217	20.000	ng	0.00
86) Perylene-d12	15.545	264	158913	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	296694	67.070	ng	0.00
7) Phenol-d6	6.504	99	353931	67.816	ng	0.00
23) Nitrobenzene-d5	7.439	82	199985	41.643	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	95854	71.042	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	354082	35.477	ng	0.00
79) Terphenyl-d14	12.992	244	495859	30.021	ng	0.00
Target Compounds						Qvalue

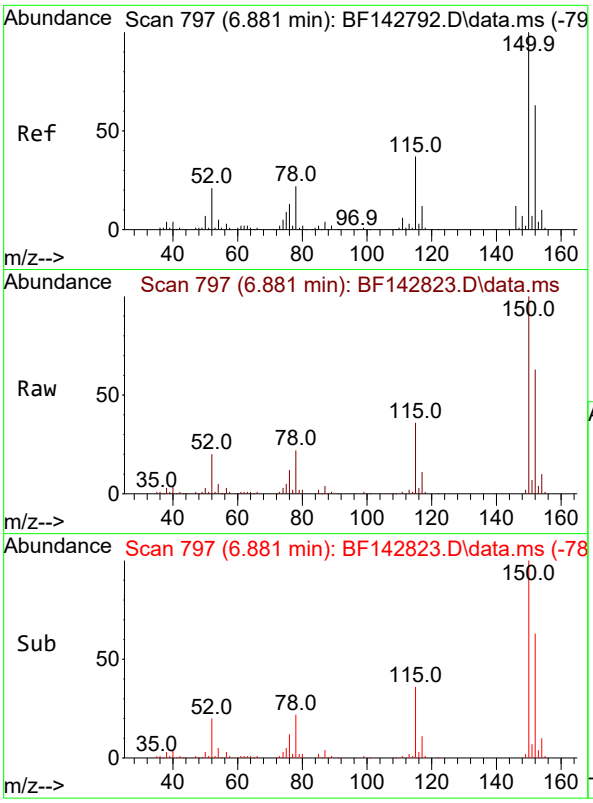
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
Data File : BF142823.D
Acq On : 24 Jun 2025 17:01
Operator : RC/JU
Sample : Q2393-11
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PARK AVE -6

Quant Time: Jun 24 17:23:14 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration



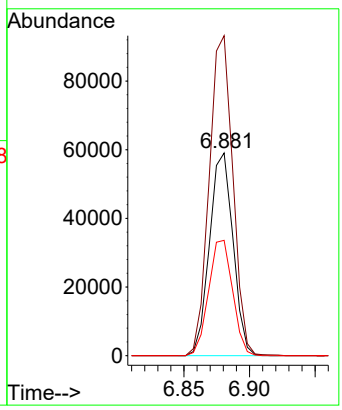


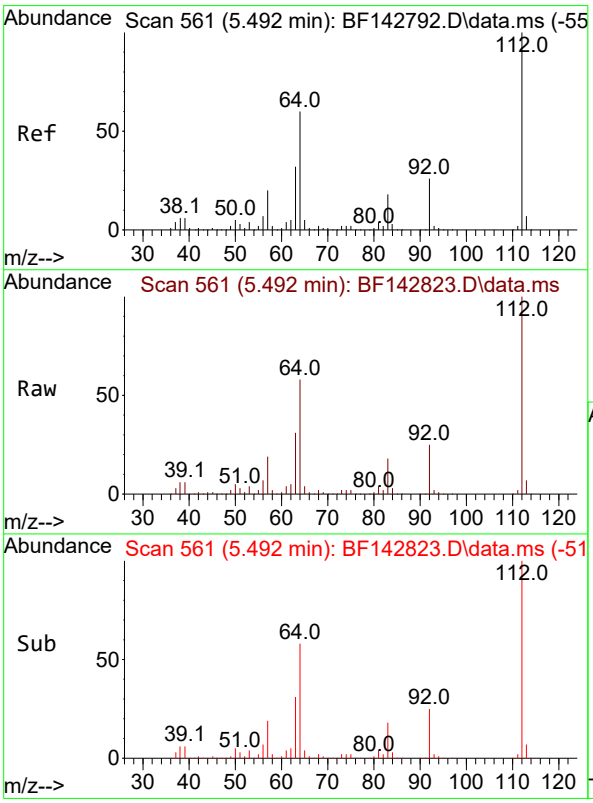
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF142823.D
Acq: 24 Jun 2025 17:01

Instrument :
BNA_F
ClientSampleId :
PARK AVE -6

Tgt Ion:152 Resp: 73650

Ion	Ratio	Lower	Upper
152	100		
150	157.9	127.2	190.8
115	56.9	46.6	69.8

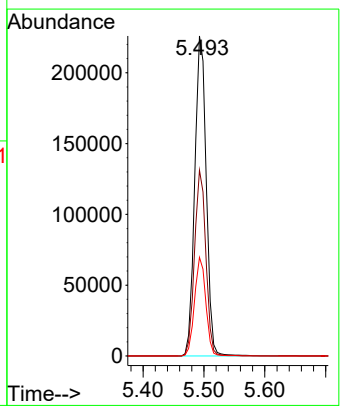


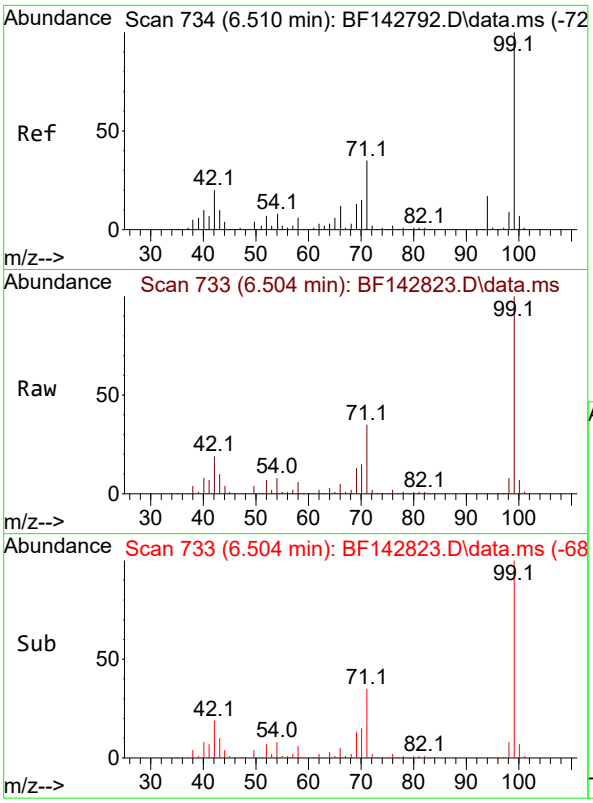


#5
2-Fluorophenol
Concen: 67.070 ng
RT: 5.492 min Scan# 561
Delta R.T. 0.000 min
Lab File: BF142823.D
Acq: 24 Jun 2025 17:01

Tgt Ion:112 Resp: 296694

Ion	Ratio	Lower	Upper
112	100		
64	58.0	48.2	72.2
63	30.8	25.7	38.5



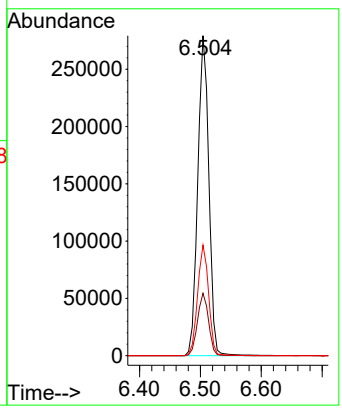


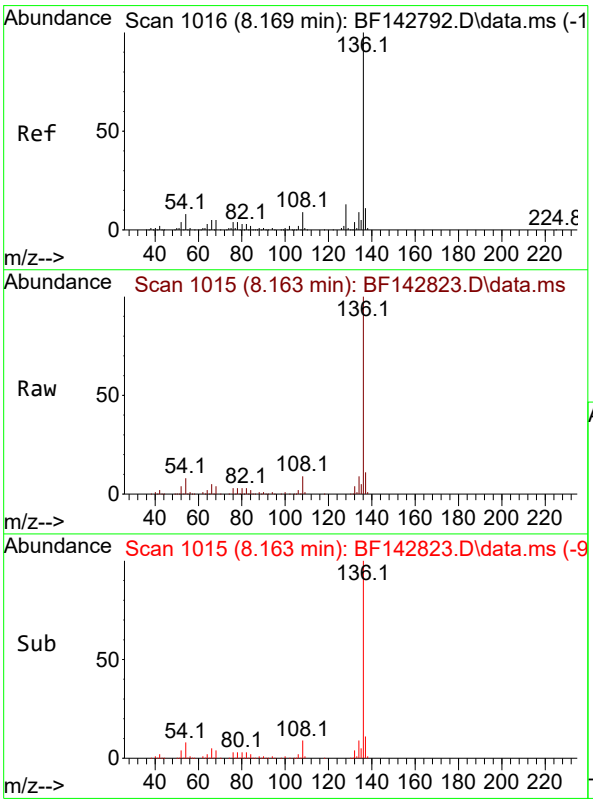
#7
Phenol-d6
Concen: 67.816 ng
RT: 6.504 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142823.D
Acq: 24 Jun 2025 17:01

Instrument :
BNA_F
ClientSampleId :
PARK AVE -6

Tgt Ion: 99 Resp: 353931

Ion	Ratio	Lower	Upper
99	100		
42	19.5	15.9	23.9
71	34.5	27.8	41.8

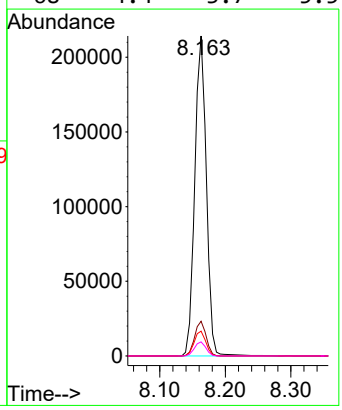


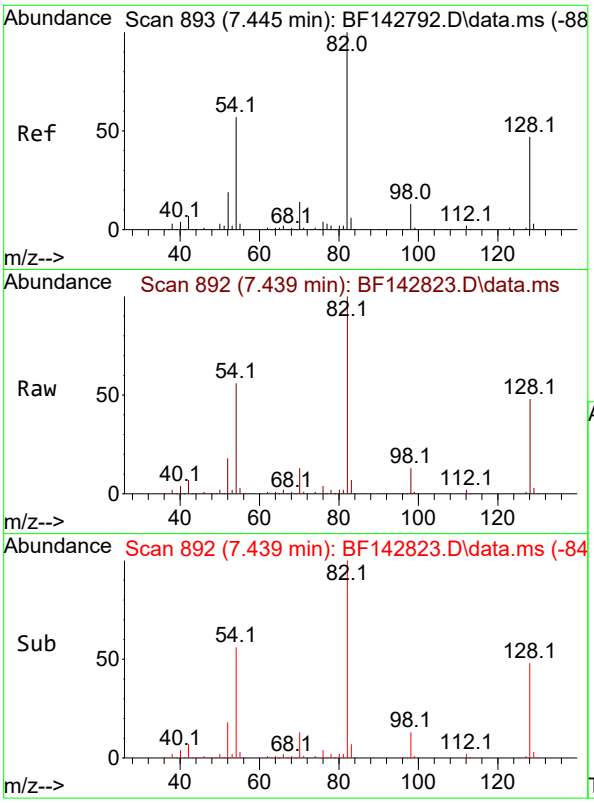


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1015
Delta R.T. -0.006 min
Lab File: BF142823.D
Acq: 24 Jun 2025 17:01

Tgt Ion:136 Resp: 263416

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.4	12.6
54	7.8	6.3	9.5
68	4.4	3.7	5.5



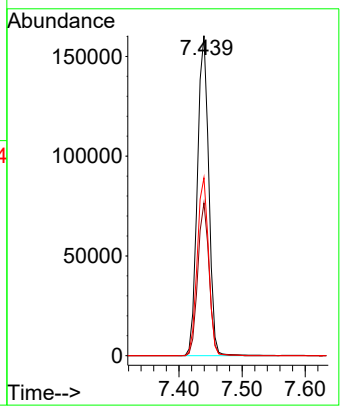


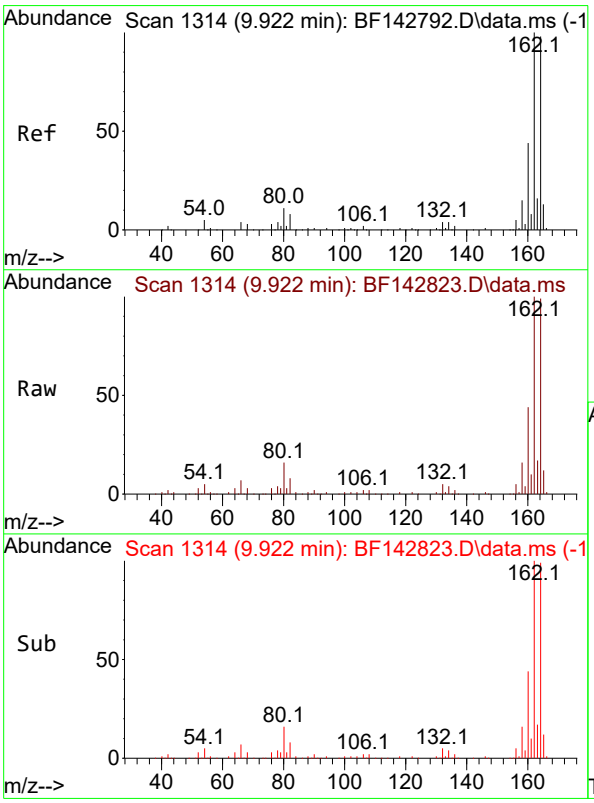
#23
Nitrobenzene-d5
Concen: 41.643 ng
RT: 7.439 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142823.D
Acq: 24 Jun 2025 17:01

Instrument :
BNA_F
ClientSampleId :
PARK AVE -6

Tgt Ion: 82 Resp: 199985

Ion	Ratio	Lower	Upper
82	100		
128	47.8	37.7	56.5
54	55.6	45.7	68.5

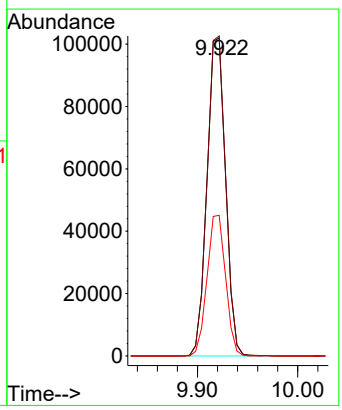


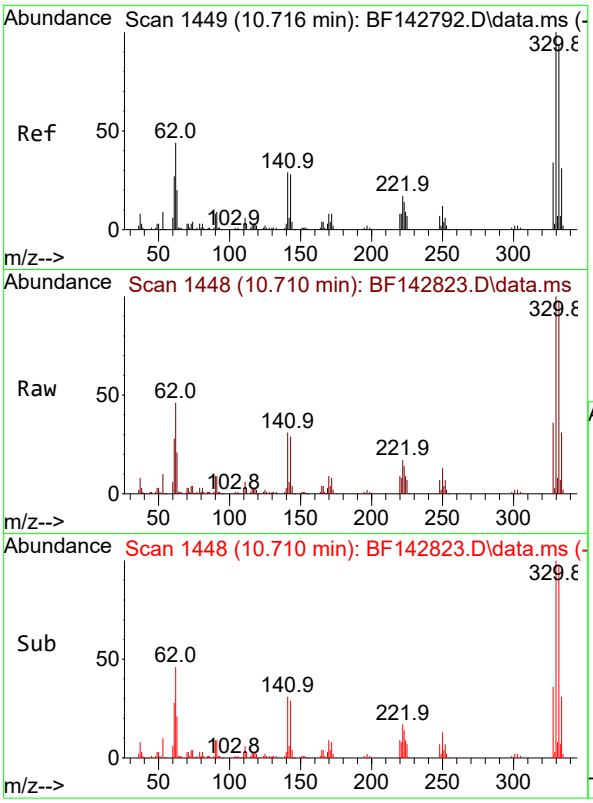


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1314
Delta R.T. 0.000 min
Lab File: BF142823.D
Acq: 24 Jun 2025 17:01

Tgt Ion:164 Resp: 131114

Ion	Ratio	Lower	Upper
164	100		
162	100.6	81.8	122.8
160	44.2	36.0	54.0



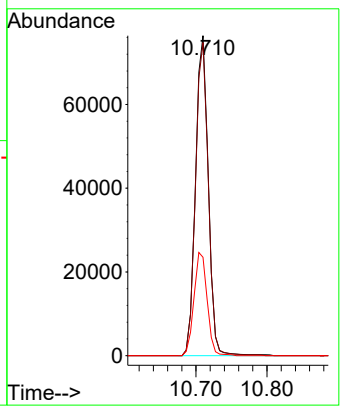


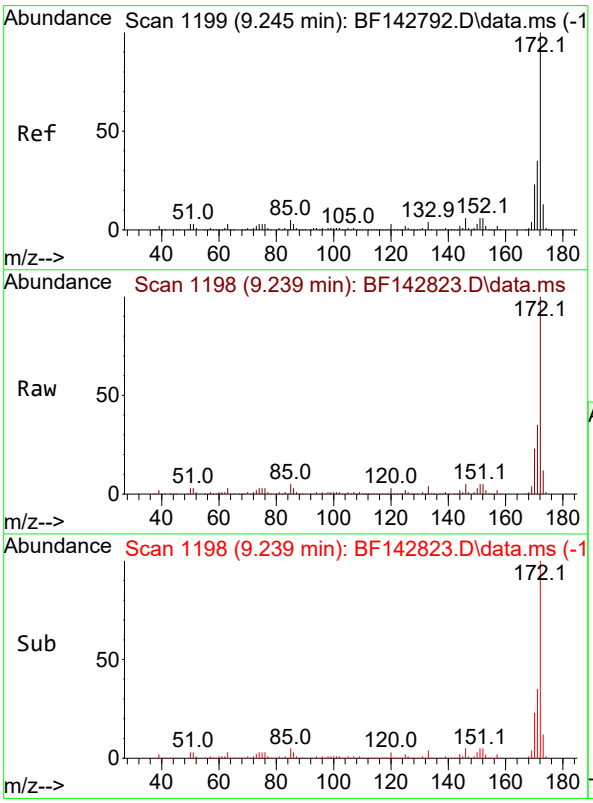
#42
2,4,6-Tribromophenol
Concen: 71.042 ng
RT: 10.710 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142823.D
Acq: 24 Jun 2025 17:01

Instrument :
BNA_F
ClientSampleId :
PARK AVE -6

Tgt Ion:330 Resp: 95854

Ion	Ratio	Lower	Upper
330	100		
332	98.0	75.0	112.6
141	33.2	25.3	37.9

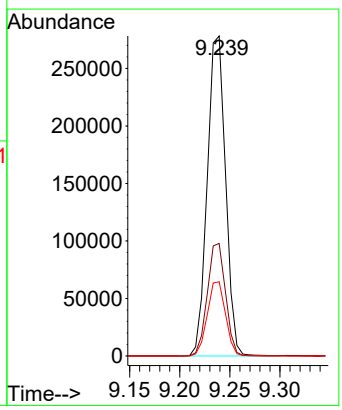


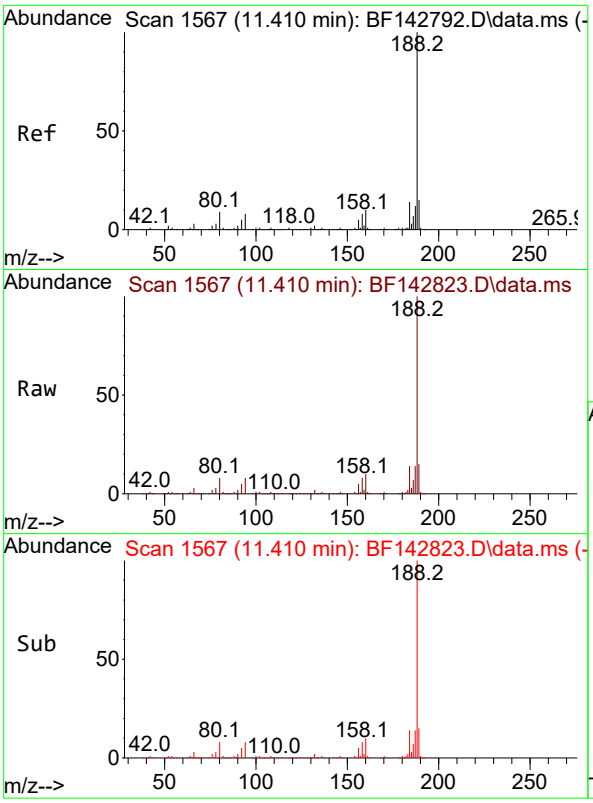


#45
2-Fluorobiphenyl
Concen: 35.477 ng
RT: 9.239 min Scan# 1198
Delta R.T. -0.006 min
Lab File: BF142823.D
Acq: 24 Jun 2025 17:01

Tgt Ion:172 Resp: 354082

Ion	Ratio	Lower	Upper
172	100		
171	35.1	28.2	42.4
170	23.2	18.5	27.7



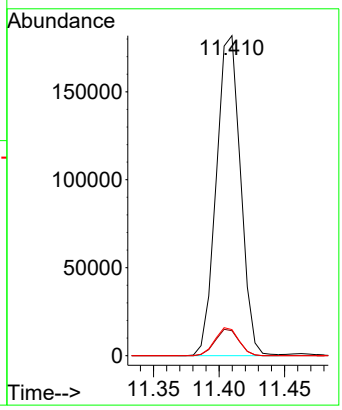


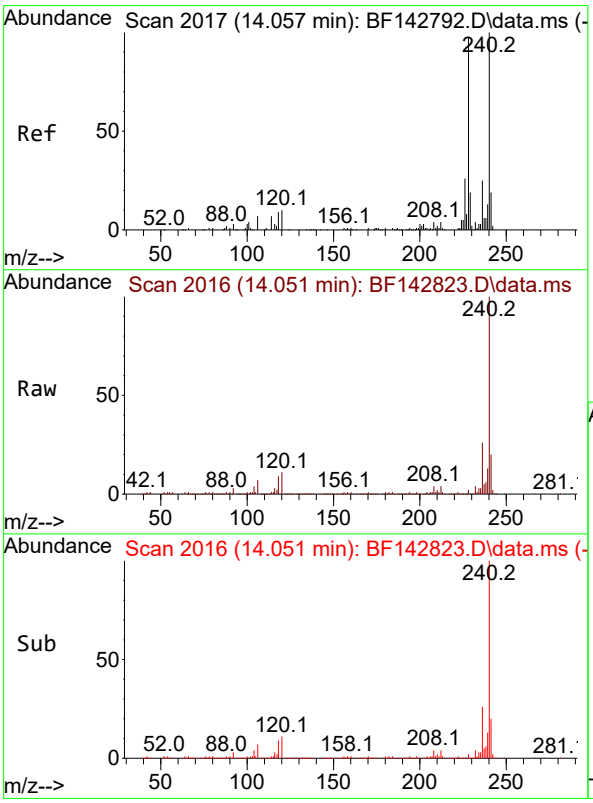
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142823.D
Acq: 24 Jun 2025 17:01

Instrument :
BNA_F
ClientSampleId :
PARK AVE -6

Tgt Ion:188 Resp: 233515

Ion	Ratio	Lower	Upper
188	100		
94	7.8	6.7	10.1
80	8.1	6.9	10.3

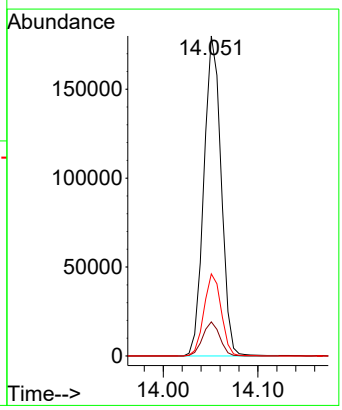


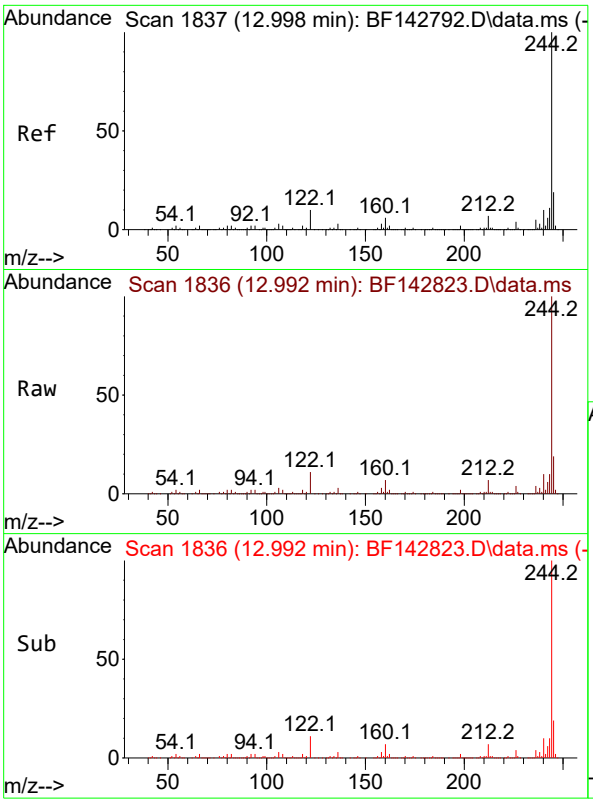


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF142823.D
Acq: 24 Jun 2025 17:01

Tgt Ion:240 Resp: 228217

Ion	Ratio	Lower	Upper
240	100		
120	10.6	8.2	12.2
236	25.6	19.8	29.8



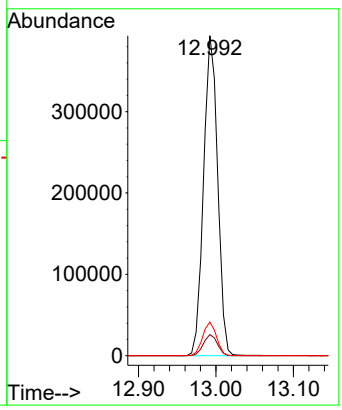


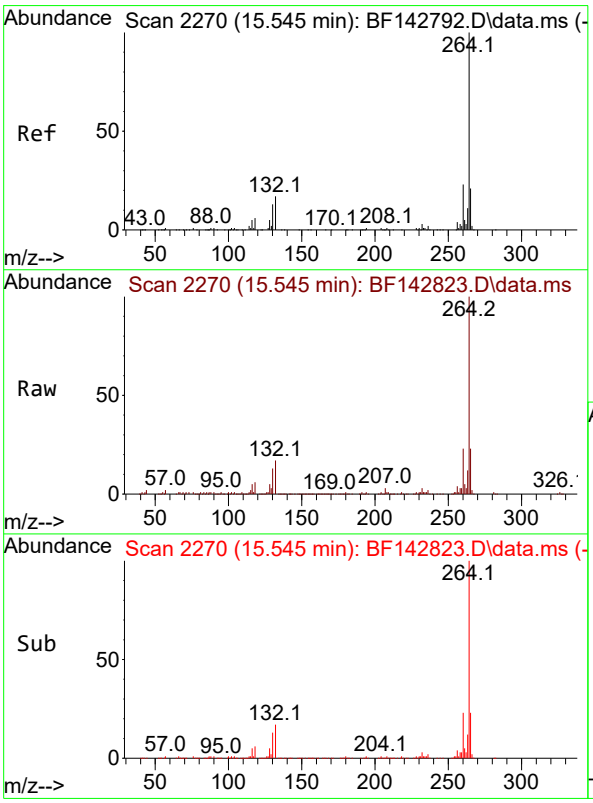
#79
Terphenyl-d14
Concen: 30.021 ng
RT: 12.992 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142823.D
Acq: 24 Jun 2025 17:01

Instrument :
BNA_F
ClientSampleId :
PARK AVE -6

Tgt Ion:244 Resp: 495859

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.4	8.0
122	10.5	8.2	12.2

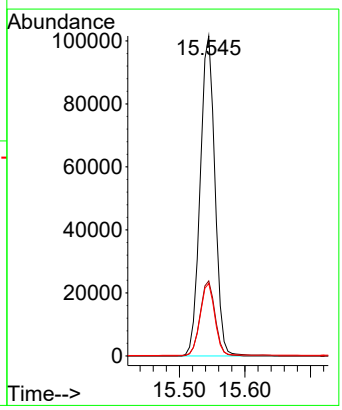




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2270
Delta R.T. 0.000 min
Lab File: BF142823.D
Acq: 24 Jun 2025 17:01

Tgt Ion:264 Resp: 158913

Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.1	27.1
265	22.6	16.6	25.0



Sample Results: **BF142823.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
Data File : BF142823.D
Acq On : 24 Jun 2025 17:01
Operator : RC/JU
Sample : Q2393-11
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PARK AVE -6

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF142823.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.087	487	492	502	rVB	73168	102315	7.88%	1.093%
2	5.493	556	561	582	rVB	779277	1008921	77.74%	10.782%
3	6.504	727	733	750	rBV	796847	1012337	78.00%	10.819%
4	6.881	792	797	802	rBV	327165	412778	31.81%	4.411%
5	7.439	886	892	897	rBV	487038	603461	46.50%	6.449%
6	8.163	1010	1015	1020	rBV	415753	505222	38.93%	5.399%
7	9.233	1192	1197	1203	rBV	771277	986033	75.98%	10.538%
8	9.916	1308	1313	1319	rVB	418971	538523	41.49%	5.755%
9	10.633	1429	1435	1442	rBV	76501	97251	7.49%	1.039%
10	10.710	1442	1448	1458	rBV	555708	728692	56.15%	7.787%
11	11.410	1561	1567	1574	rBV	436130	568337	43.79%	6.074%
12	11.927	1649	1655	1664	rBV2	61519	99116	7.64%	1.059%
13	12.621	1769	1773	1778	rBV	19449	24242	1.87%	0.259%
14	12.716	1785	1789	1795	rBV3	9106	14635	1.13%	0.156%
15	12.851	1807	1812	1816	rBV	18483	27172	2.09%	0.290%
16	12.992	1831	1836	1841	rBV	1035209	1297818	100.00%	13.870%
17	13.563	1929	1933	1940	rBV2	11197	18115	1.40%	0.194%
18	13.892	1984	1989	2002	rBV	84244	147627	11.38%	1.578%
19	14.051	2011	2016	2026	rVB	488466	637978	49.16%	6.818%
20	14.210	2039	2043	2050	rBV	14713	22357	1.72%	0.239%
21	14.515	2091	2095	2101	rBV2	16969	31746	2.45%	0.339%
22	15.104	2192	2195	2202	rBV	11200	23523	1.81%	0.251%
23	15.545	2264	2270	2281	rVB	276101	449138	34.61%	4.800%

Sum of corrected areas: 9357337

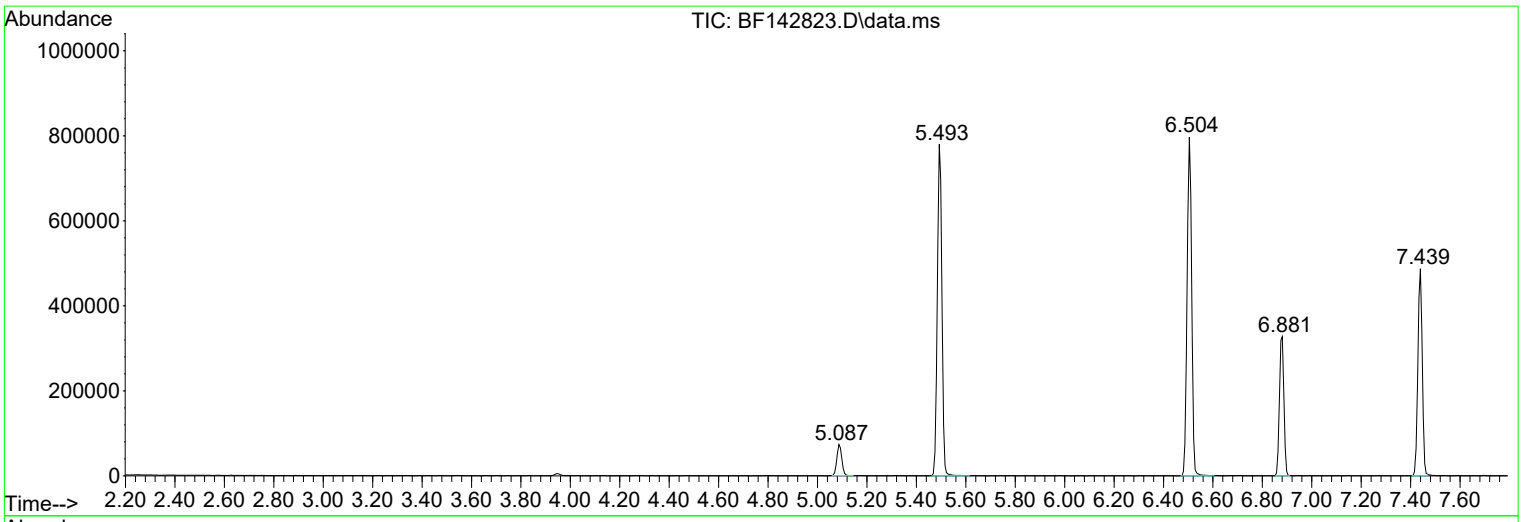
Sample Results: **BF142823.D**

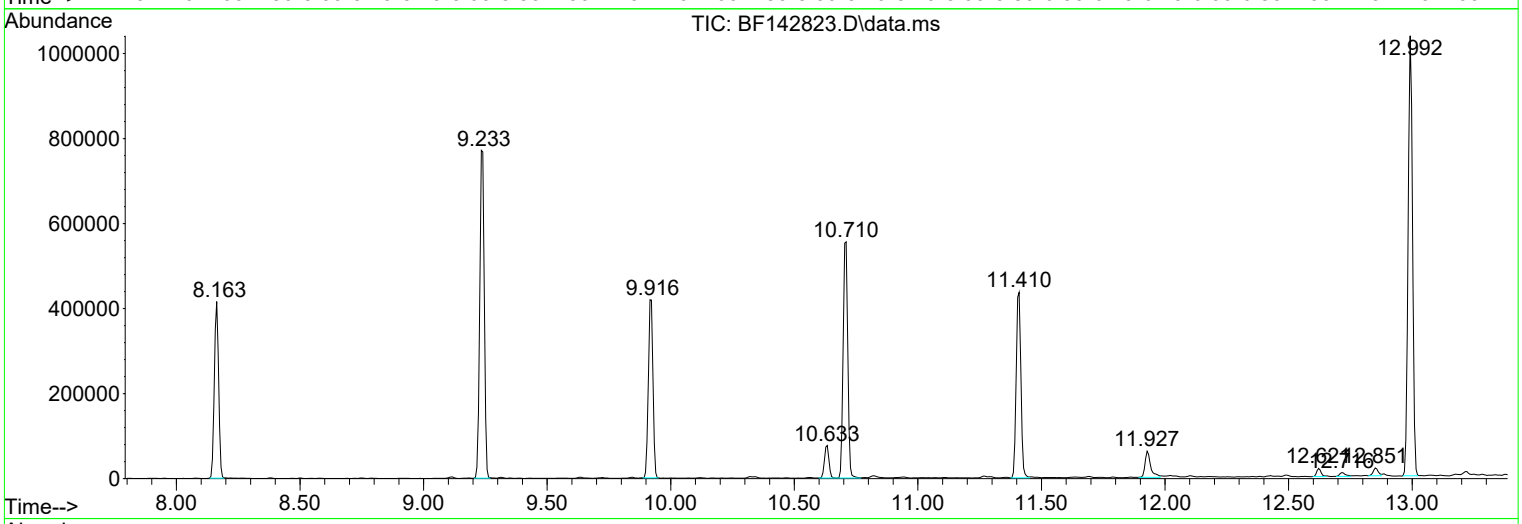
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
Data File : BF142823.D
Acq On : 24 Jun 2025 17:01
Operator : RC/JU
Sample : Q2393-11
Misc :
ALS Vial : 14 Sample Multiplier: 1

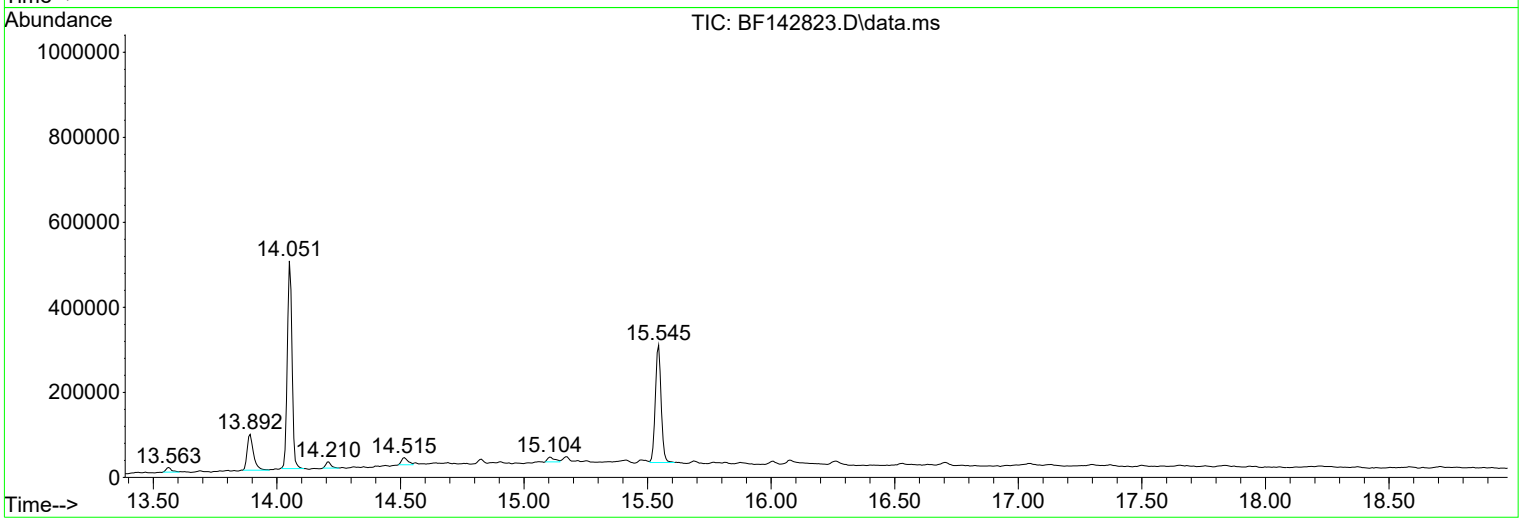
Instrument :
BNA_F
ClientSampleId :
PARK AVE -6

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P







Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
Data File : BF142823.D
Acq On : 24 Jun 2025 17:01
Operator : RC/JU
Sample : Q2393-11
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PARK AVE -6

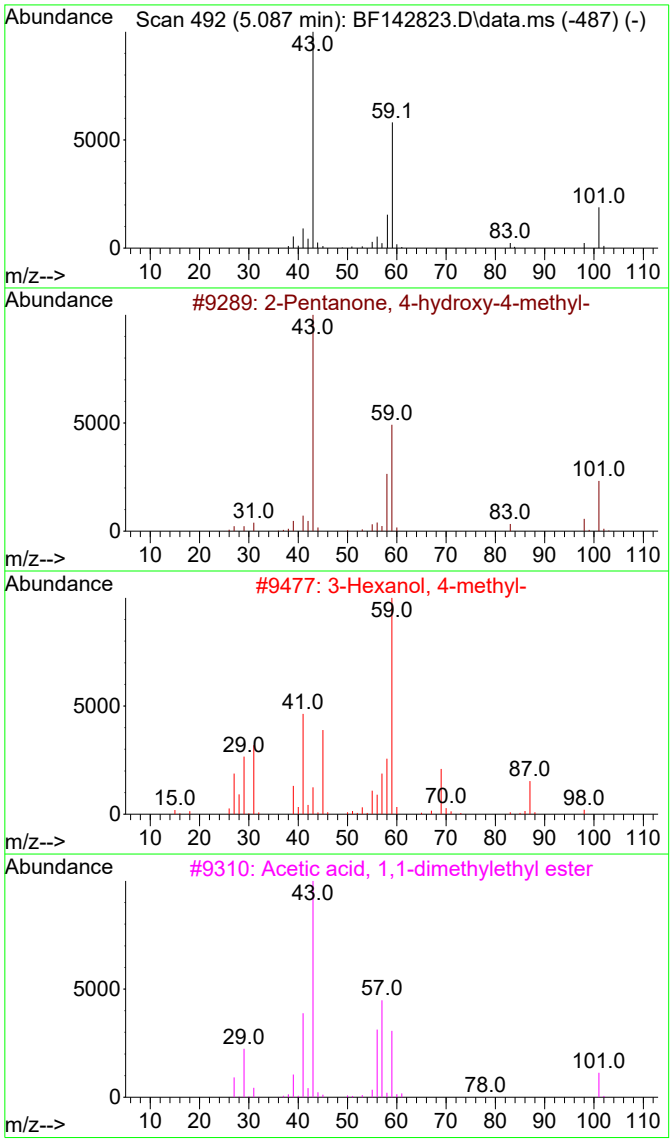
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

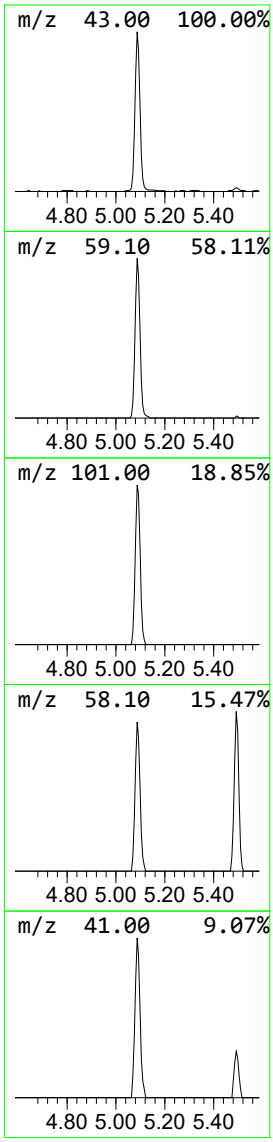
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.087	4.96 ng	102315	1,4-Dichlorobenzene-d4	6.881

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
3	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	28
4	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
5	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	16





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
Data File : BF142823.D
Acq On : 24 Jun 2025 17:01
Operator : RC/JU
Sample : Q2393-11
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PARK AVE -6

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

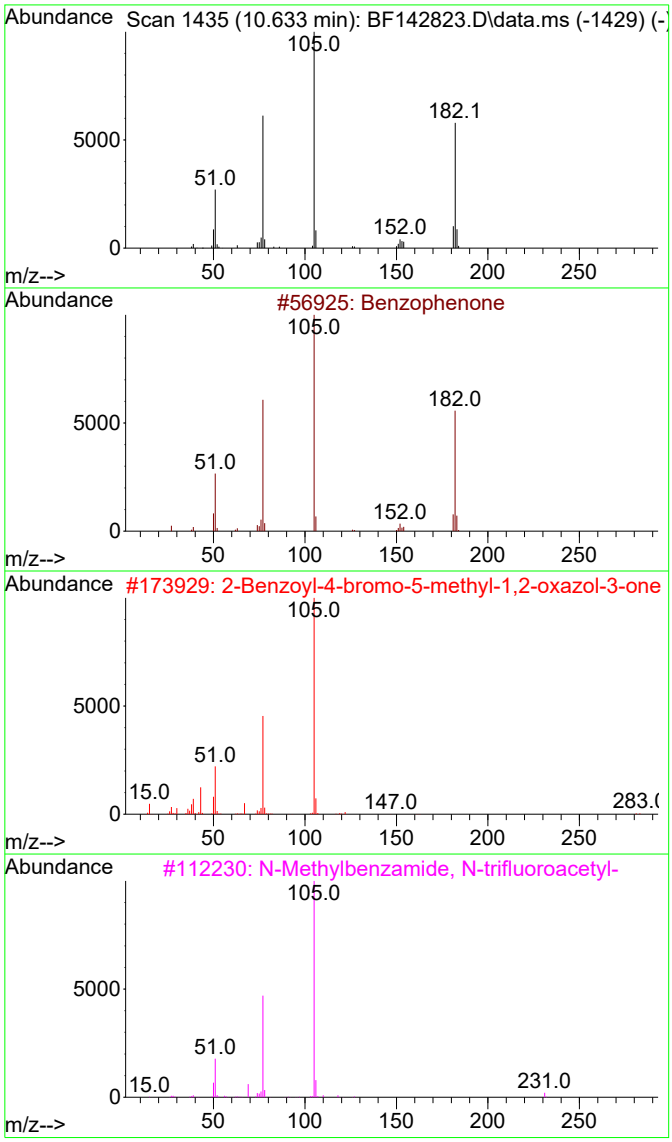
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

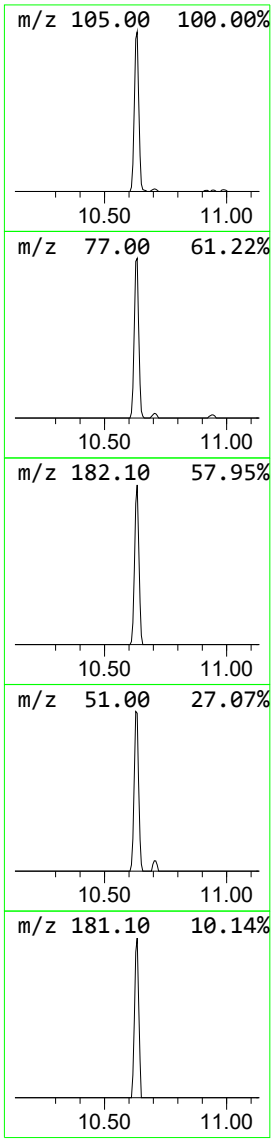
****

Peak Number 2 Benzophenone Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.633	3.61 ng	97251	Acenaphthene-d10	9.922

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	97
2	2-Benzoyl-4-bromo-5-methyl-1,2-o...	281	C11H8BrNO3	1000444-92-3	47
3	N-Methylbenzamide, N-trifluoroac...	231	C10H8F3NO2	1000446-91-5	47
4	Benzenebutanoic acid, .gamma.-oxo-	178	C10H10O3	002051-95-8	47
5	N-Methoxy-N-methylbenzamide	165	C9H11NO2	006919-61-5	47





```
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
Data File : BF142823.D
Acq On    : 24 Jun 2025  17:01
Operator  : RC/JU
Sample    : Q2393-11
Misc      :
ALS Vial  : 14   Sample Multiplier: 1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title  : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library   : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P
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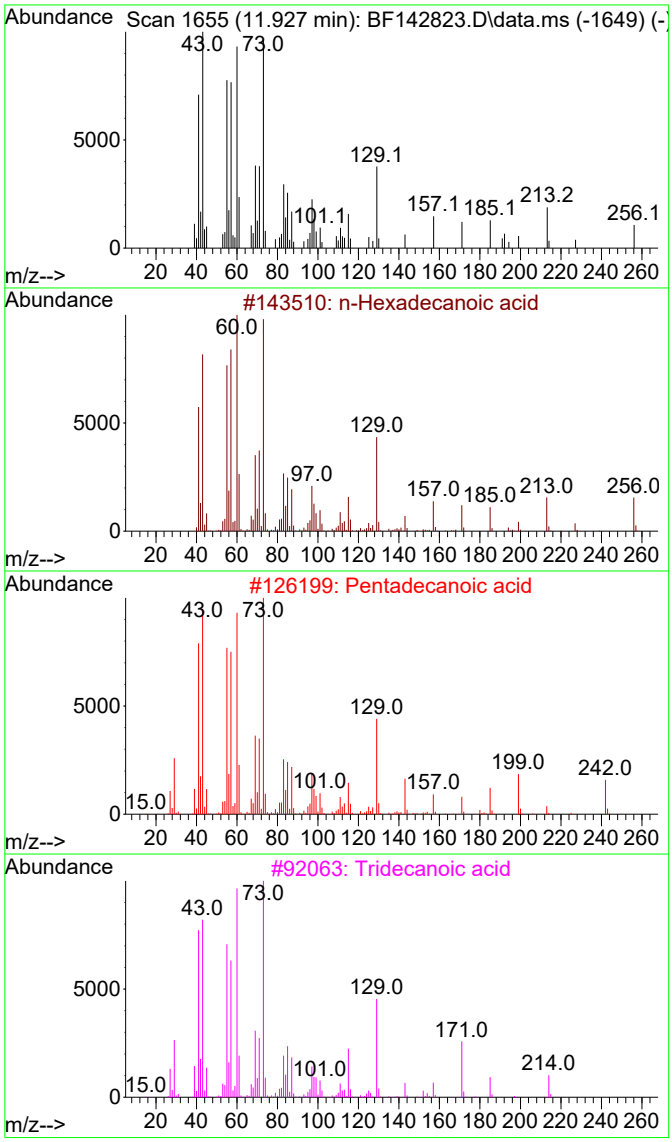
Instrument :
BNA_F
ClientSampleId :
PARK AVE -6

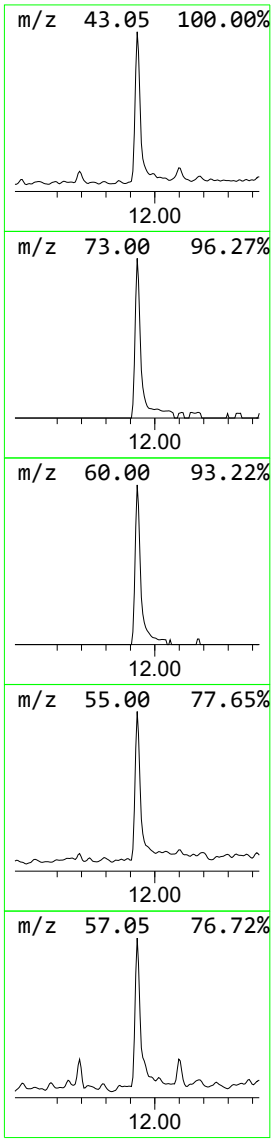
****

Peak Number 3 n-Hexadecanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.927	3.49 ng	99116	Phenanthrene-d10	11.410

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	81
3	Tridecanoic acid	214	C13H26O2	000638-53-9	76
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	72
5	Undecanoic acid	186	C11H22O2	000112-37-8	53





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
Data File : BF142823.D
Acq On : 24 Jun 2025 17:01
Operator : RC/JU
Sample : Q2393-11
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PARK AVE -6

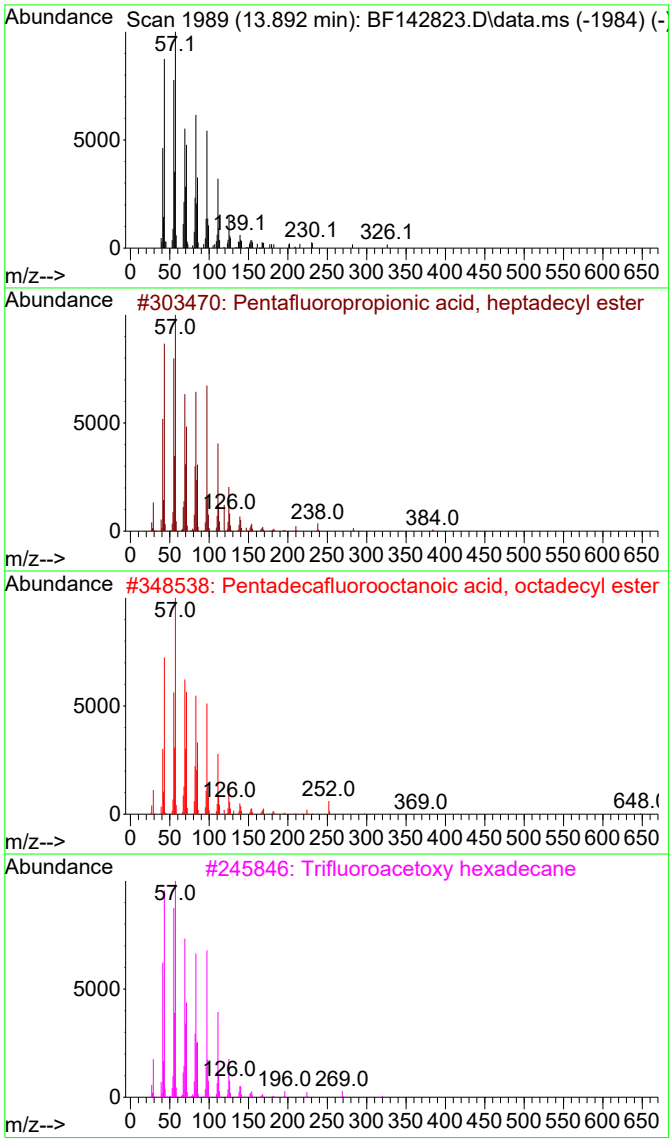
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

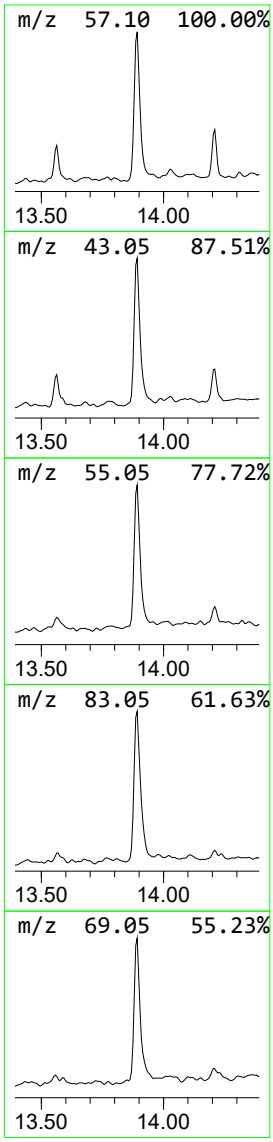
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Pentafluoropropionic acid, ... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.892	4.63 ng	147627	Chrysene-d12	14.051

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentafluoropropionic acid, hepta...	402	C20H35F5O2	959218-78-1	95
2	Pentadecafluorooctanoic acid, oc...	666	C26H37F15O2	1000406-04-8	95
3	Trifluoroacetoxy hexadecane	338	C18H33F3O2	006222-03-3	95
4	Heptadecyl trifluoroacetate	352	C19H35F3O2	1010351-87-0	95
5	Octadecyl trifluoroacetate	366	C20H37F3O2	079392-43-1	94





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
Data File : BF142823.D
Acq On : 24 Jun 2025 17:01
Operator : RC/JU
Sample : Q2393-11
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PARK AVE -6

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-...	5.087	5.0	ng	102315	1	6.881	412778	20.0
Benzophenone	10.633	3.6	ng	97251	3	9.922	538523	20.0
n-Hexadecanoic ...	11.927	3.5	ng	99116	4	11.410	568337	20.0
Pentafluoroprop...	13.892	4.6	ng	147627	5	14.051	637978	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062525\
Data File : BF142838.D
Acq On : 25 Jun 2025 15:26
Operator : RC/JU
Sample : PB168601BL
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168601BL

Quant Time: Jun 25 15:48:14 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

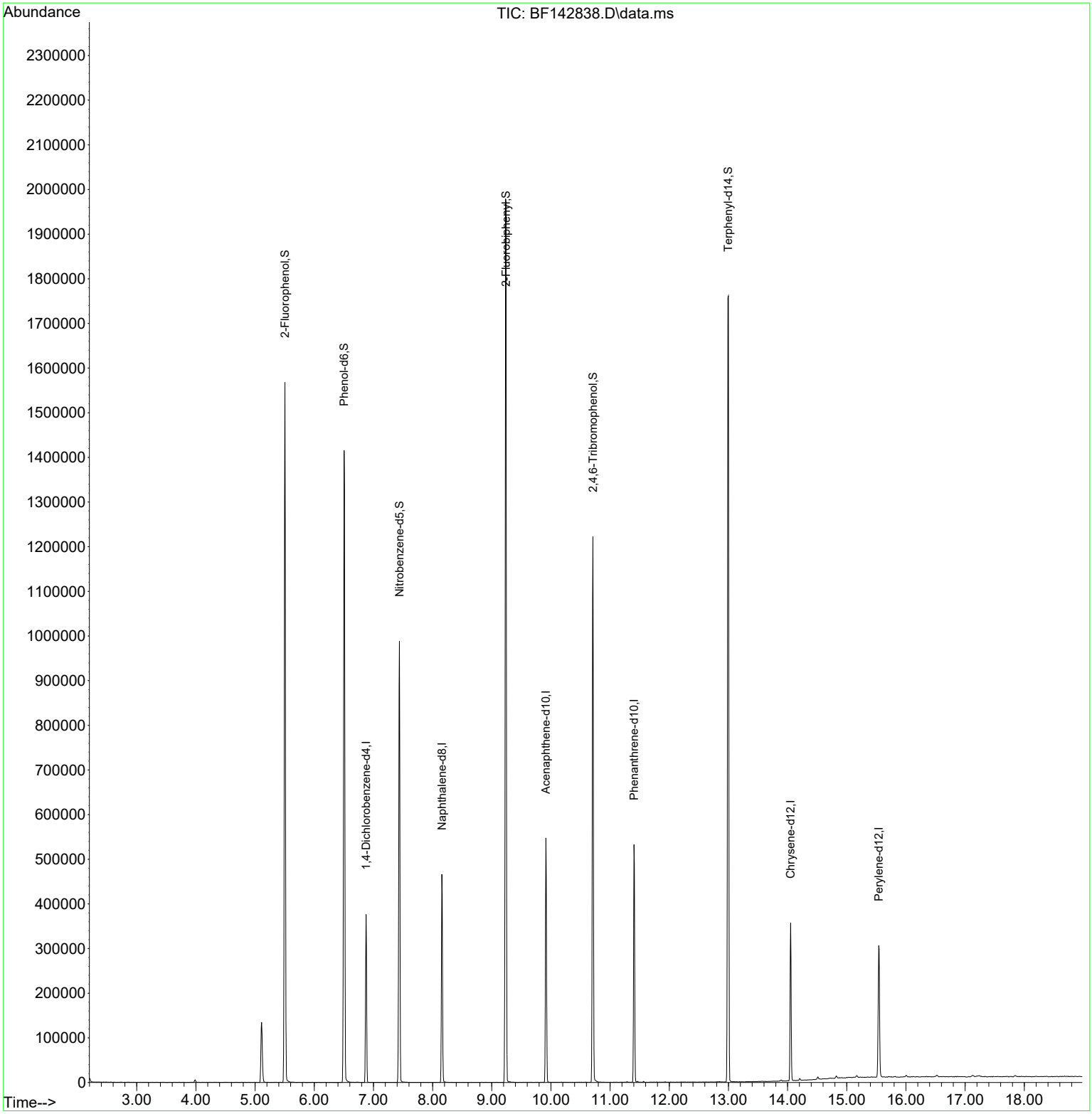
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	81390	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	310420	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	163008	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	283770	20.000	ng	0.00
76) Chrysene-d12	14.051	240	173595	20.000	ng	0.00
86) Perylene-d12	15.539	264	178625	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	609610	124.703	ng	0.01
7) Phenol-d6	6.504	99	704216	122.101	ng	0.00
23) Nitrobenzene-d5	7.439	82	448695	79.284	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	216788	129.236	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	968980	78.090	ng	0.00
79) Terphenyl-d14	12.998	244	909178	72.365	ng	0.00
Target Compounds						Qvalue

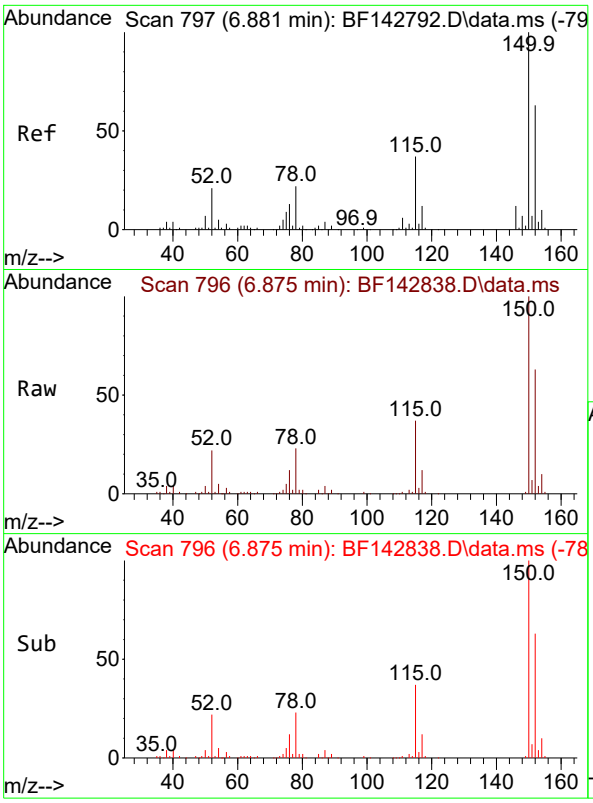
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062525\
Data File : BF142838.D
Acq On : 25 Jun 2025 15:26
Operator : RC/JU
Sample : PB168601BL
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168601BL

Quant Time: Jun 25 15:48:14 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration



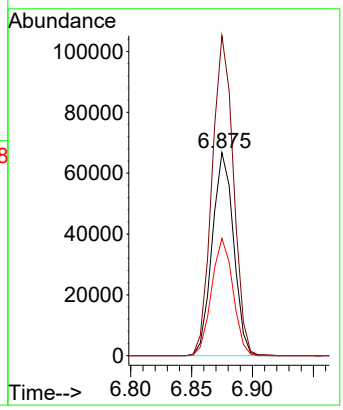


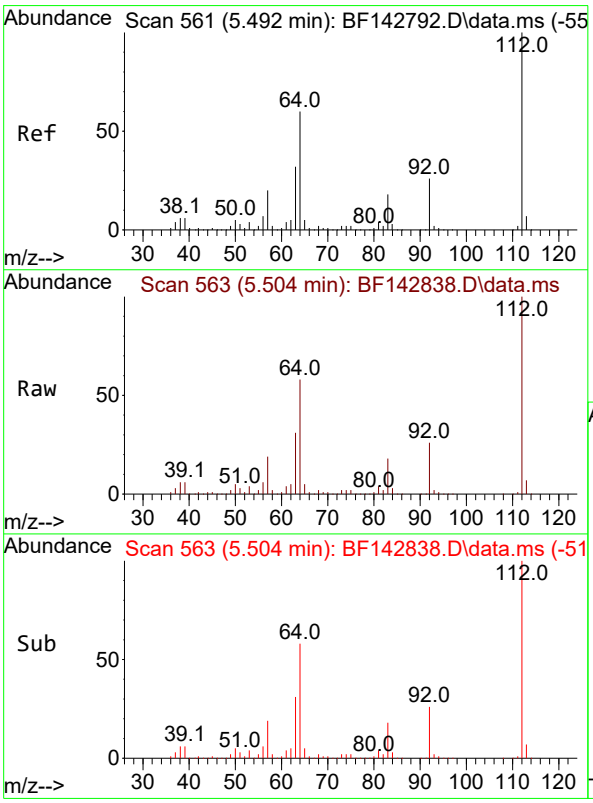
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142838.D
Acq: 25 Jun 2025 15:26

Instrument :
BNA_F
ClientSampleId :
PB168601BL

Tgt Ion:152 Resp: 81390

Ion	Ratio	Lower	Upper
152	100		
150	157.6	127.2	190.8
115	57.8	46.6	69.8

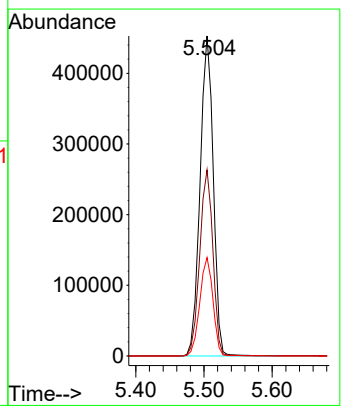


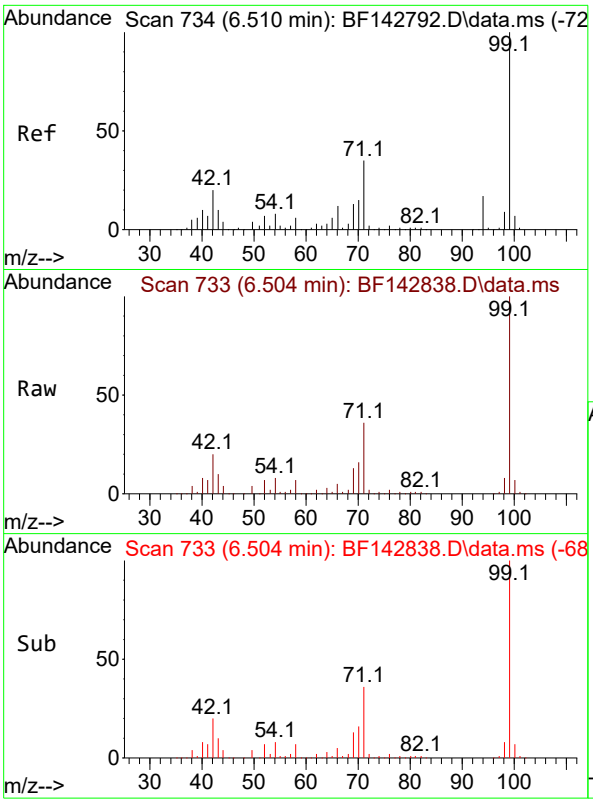


#5
2-Fluorophenol
Concen: 124.703 ng
RT: 5.504 min Scan# 563
Delta R.T. 0.012 min
Lab File: BF142838.D
Acq: 25 Jun 2025 15:26

Tgt Ion:112 Resp: 609610

Ion	Ratio	Lower	Upper
112	100		
64	58.2	48.2	72.2
63	30.8	25.7	38.5



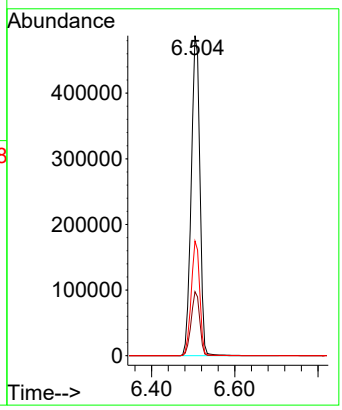


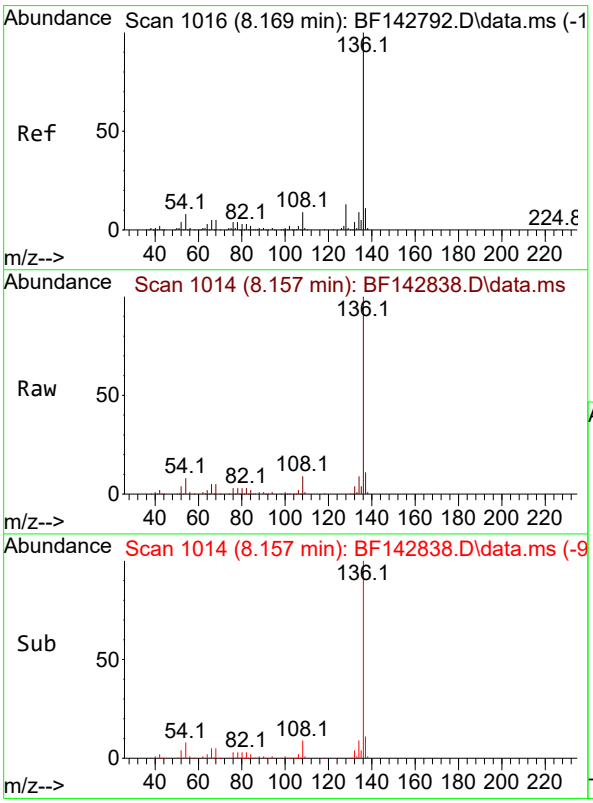
#7
Phenol-d6
Concen: 122.101 ng
RT: 6.504 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142838.D
Acq: 25 Jun 2025 15:26

Instrument :
BNA_F
ClientSampleId :
PB168601BL

Tgt Ion: 99 Resp: 704216

Ion	Ratio	Lower	Upper
99	100		
42	20.0	15.9	23.9
71	35.8	27.8	41.8

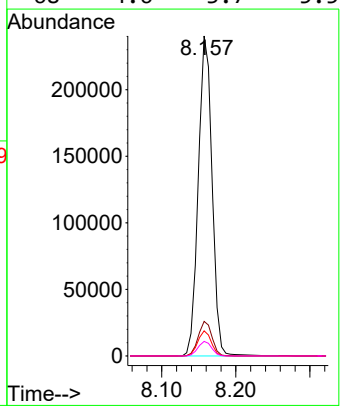


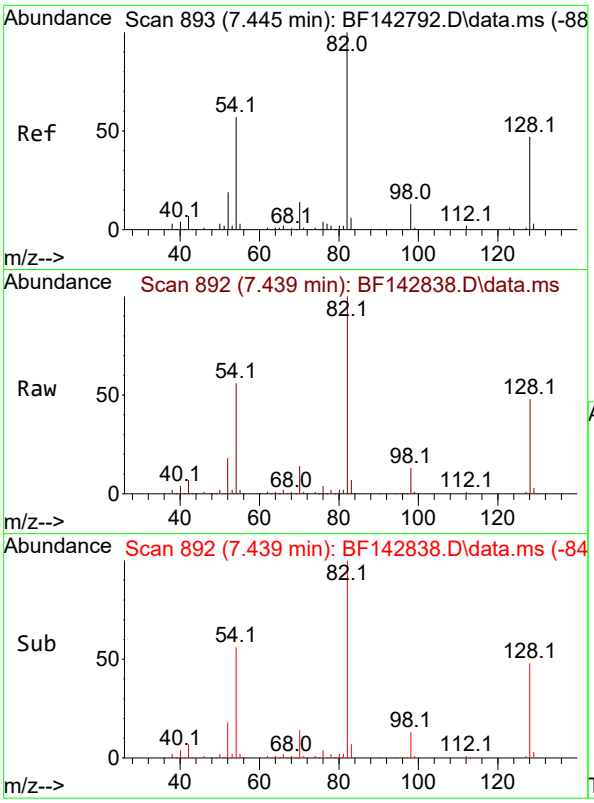


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF142838.D
Acq: 25 Jun 2025 15:26

Tgt Ion:136 Resp: 310420

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.4	12.6
54	7.9	6.3	9.5
68	4.6	3.7	5.5



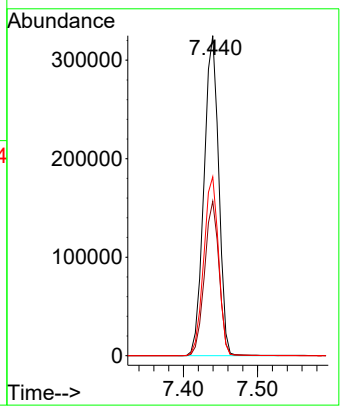


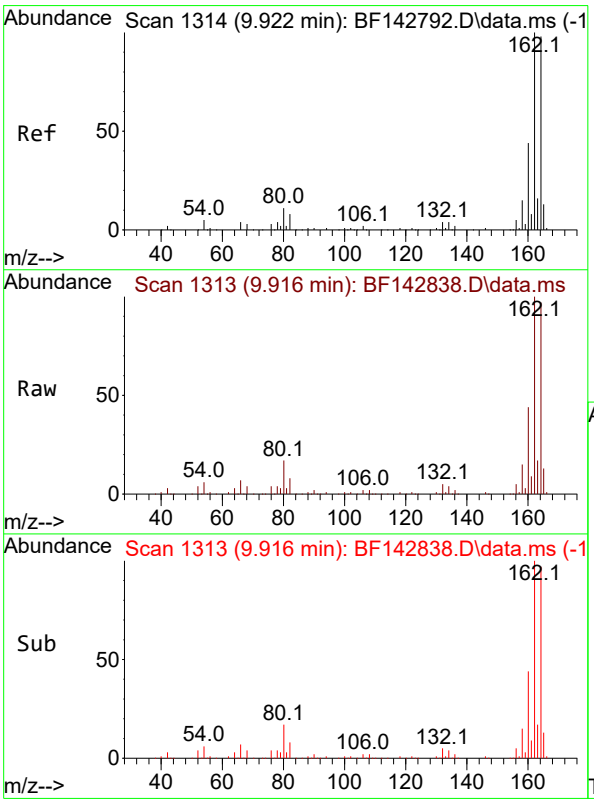
#23
Nitrobenzene-d5
Concen: 79.284 ng
RT: 7.439 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142838.D
Acq: 25 Jun 2025 15:26

Instrument :
BNA_F
ClientSampleId :
PB168601BL

Tgt Ion: 82 Resp: 448695

Ion	Ratio	Lower	Upper
82	100		
128	48.3	37.7	56.5
54	55.9	45.7	68.5

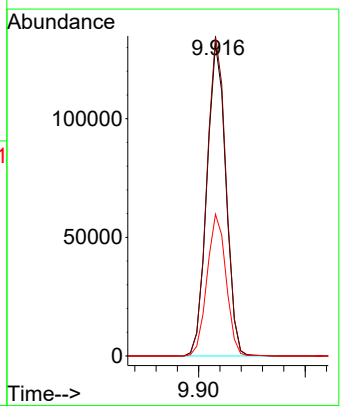


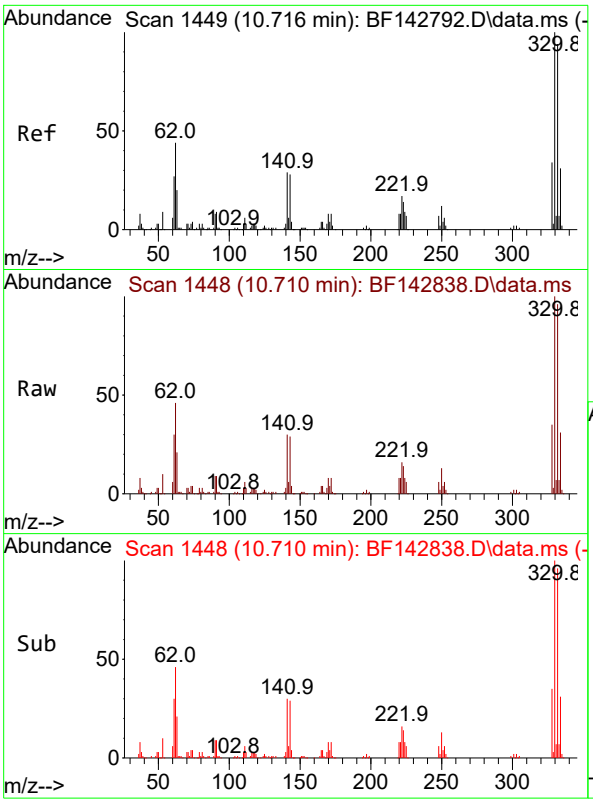


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.006 min
Lab File: BF142838.D
Acq: 25 Jun 2025 15:26

Tgt Ion:164 Resp: 163008

Ion	Ratio	Lower	Upper
164	100		
162	102.6	81.8	122.8
160	45.4	36.0	54.0



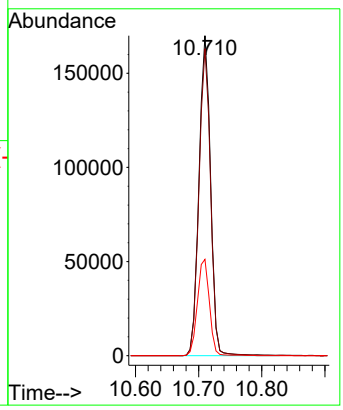


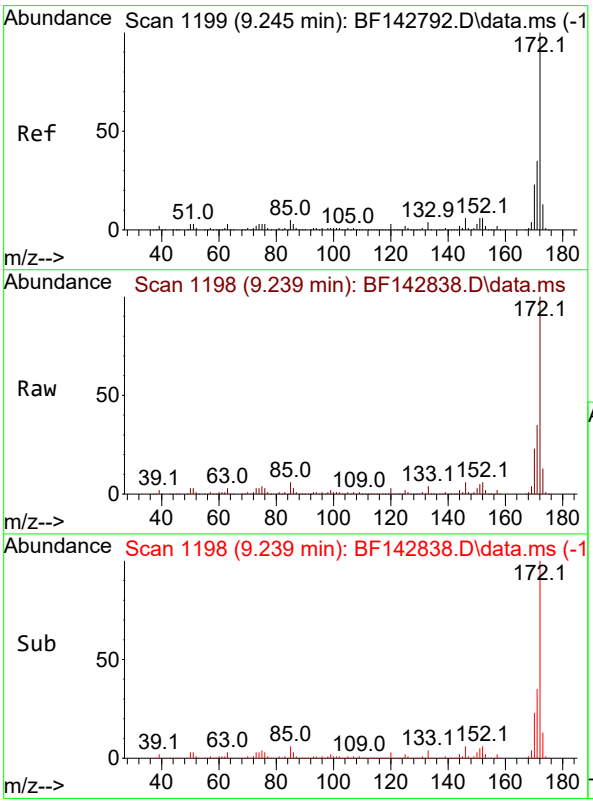
#42
2,4,6-Tribromophenol
Concen: 129.236 ng
RT: 10.710 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142838.D
Acq: 25 Jun 2025 15:26

Instrument :
BNA_F
ClientSampleId :
PB168601BL

Tgt Ion:330 Resp: 216788

Ion	Ratio	Lower	Upper
330	100		
332	95.9	75.0	112.6
141	31.1	25.3	37.9

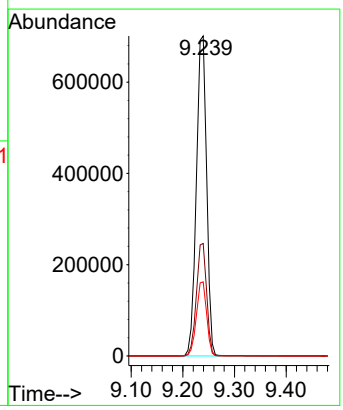


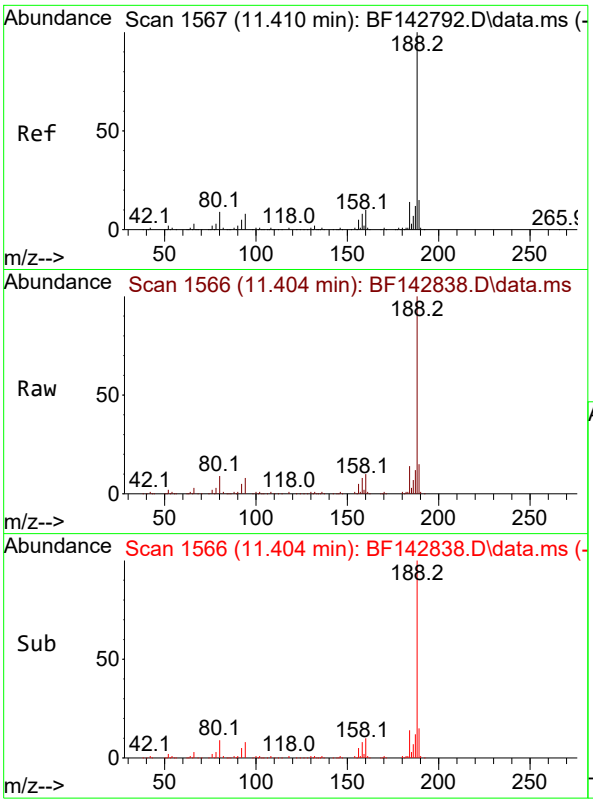


#45
2-Fluorobiphenyl
Concen: 78.090 ng
RT: 9.239 min Scan# 1198
Delta R.T. -0.006 min
Lab File: BF142838.D
Acq: 25 Jun 2025 15:26

Tgt Ion:172 Resp: 968980

Ion	Ratio	Lower	Upper
172	100		
171	35.1	28.2	42.4
170	23.1	18.5	27.7



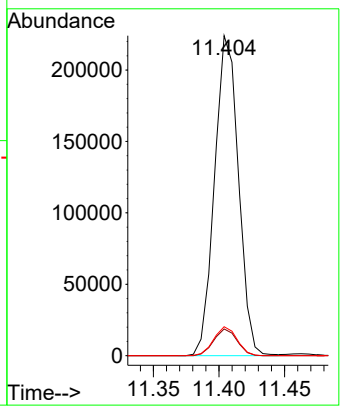


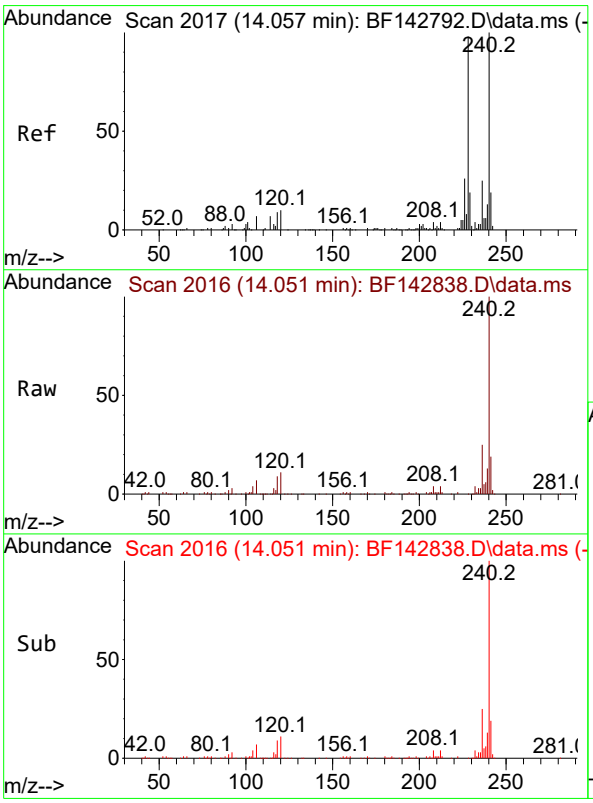
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142838.D
Acq: 25 Jun 2025 15:26

Instrument :
BNA_F
ClientSampleId :
PB168601BL

Tgt Ion:188 Resp: 283770

Ion	Ratio	Lower	Upper
188	100		
94	8.3	6.7	10.1
80	9.0	6.9	10.3

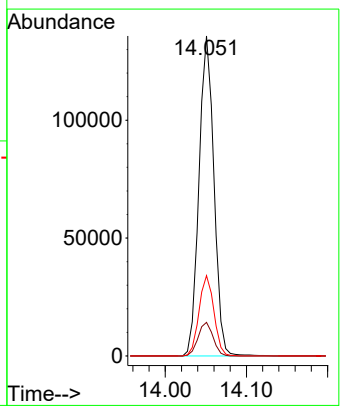


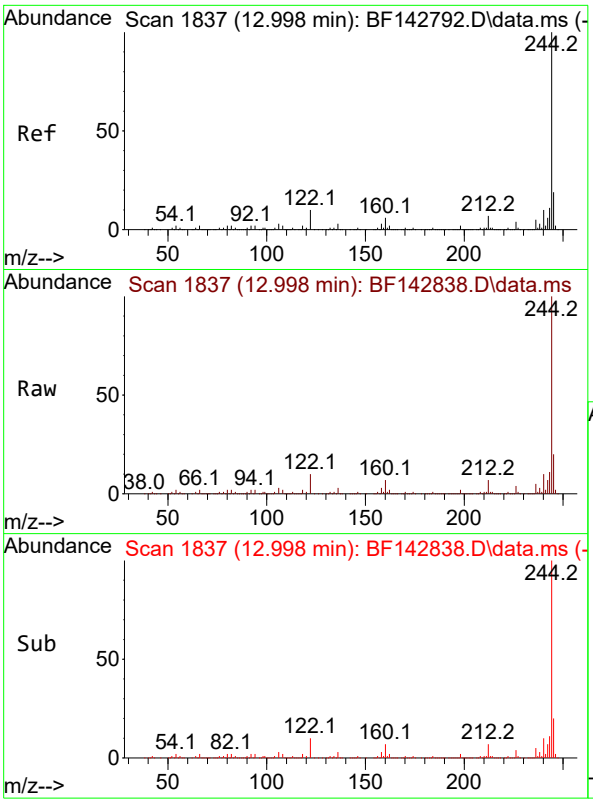


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF142838.D
Acq: 25 Jun 2025 15:26

Tgt Ion:240 Resp: 173595

Ion	Ratio	Lower	Upper
240	100		
120	10.5	8.2	12.2
236	25.1	19.8	29.8



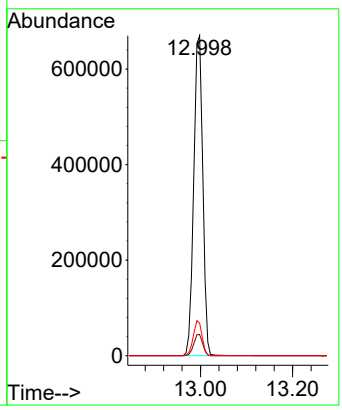


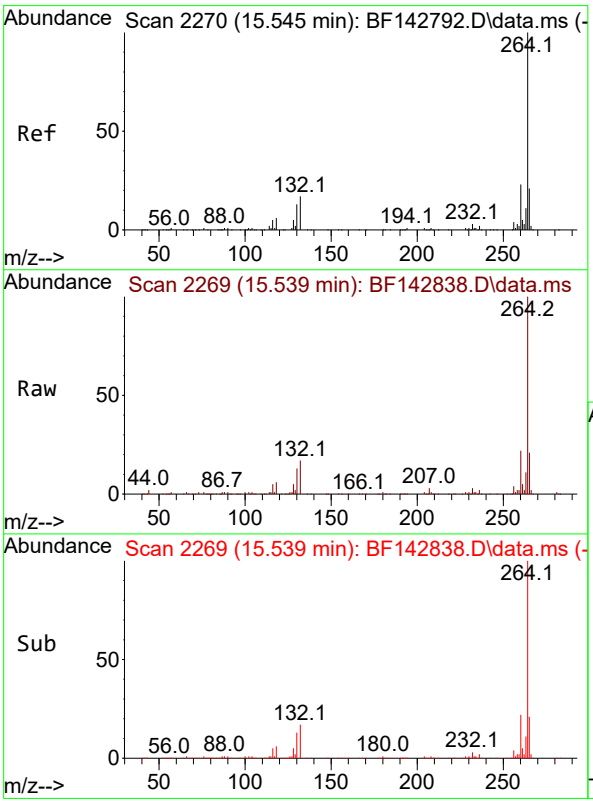
#79
Terphenyl-d14
Concen: 72.365 ng
RT: 12.998 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142838.D
Acq: 25 Jun 2025 15:26

Instrument :
BNA_F
ClientSampleId :
PB168601BL

Tgt Ion:244 Resp: 909178

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.4	8.0
122	10.2	8.2	12.2

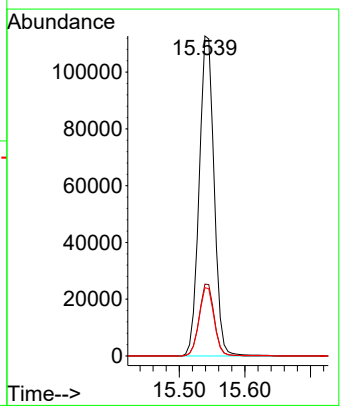




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2269
Delta R.T. -0.006 min
Lab File: BF142838.D
Acq: 25 Jun 2025 15:26

Tgt Ion:264 Resp: 178625

Ion	Ratio	Lower	Upper
264	100		
260	22.5	18.1	27.1
265	21.3	16.6	25.0



Sample Results: **BF142838.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062525\
Data File : BF142838.D
Acq On : 25 Jun 2025 15:26
Operator : RC/JU
Sample : PB168601BL
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168601BL

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF142838.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.110	490	496	512	rBV	134562	218768	8.05%	1.393%
2	5.504	557	563	568	rBV	1567687	2094706	77.08%	13.340%
3	6.504	727	733	739	rBV	1415529	2031499	74.75%	12.937%
4	6.875	791	796	801	rBV	376505	456236	16.79%	2.905%
5	7.440	885	892	897	rBV	988208	1354913	49.86%	8.629%
6	8.157	1009	1014	1023	rBV	465796	594340	21.87%	3.785%
7	9.234	1191	1197	1203	rBV	1978735	2717613	100.00%	17.307%
8	9.916	1308	1313	1318	rBV	547186	673895	24.80%	4.292%
9	10.710	1442	1448	1462	rBV	1221589	1584076	58.29%	10.088%
10	11.404	1561	1566	1572	rBV	532159	669733	24.64%	4.265%
11	12.998	1831	1837	1842	rBV	1759942	2395333	88.14%	15.254%
12	14.051	2011	2016	2024	rBV	353759	447792	16.48%	2.852%
13	15.539	2263	2269	2279	rBV	294234	463780	17.07%	2.954%

Sum of corrected areas: 15702684

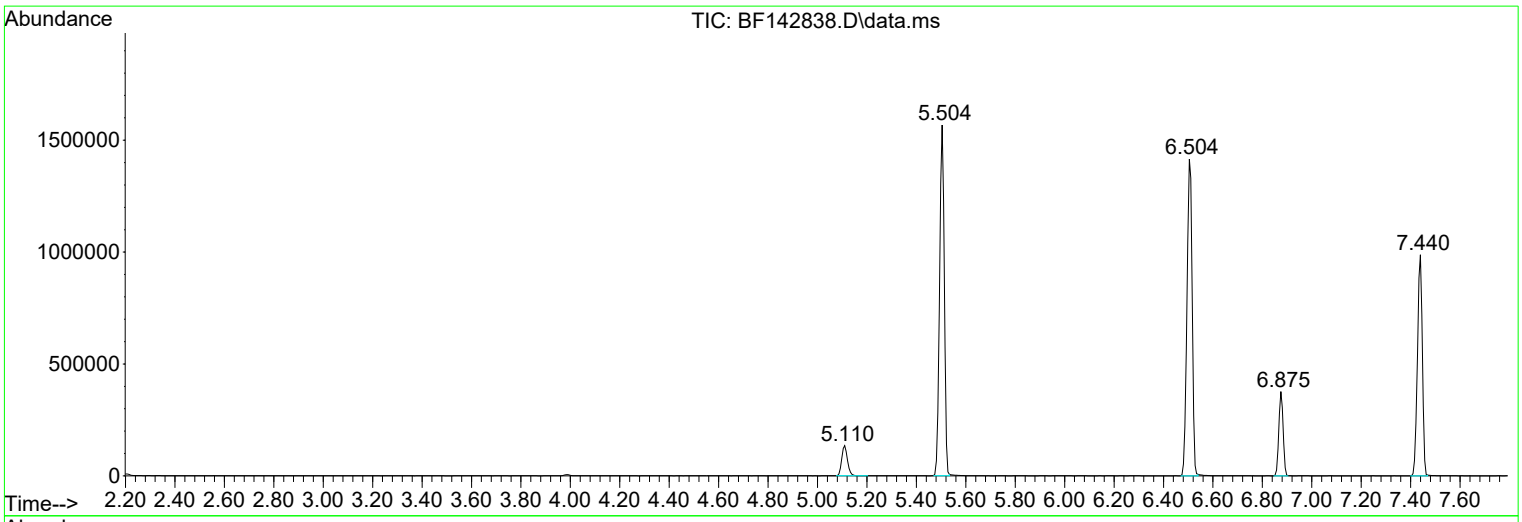
Sample Results: **BF142838.D**

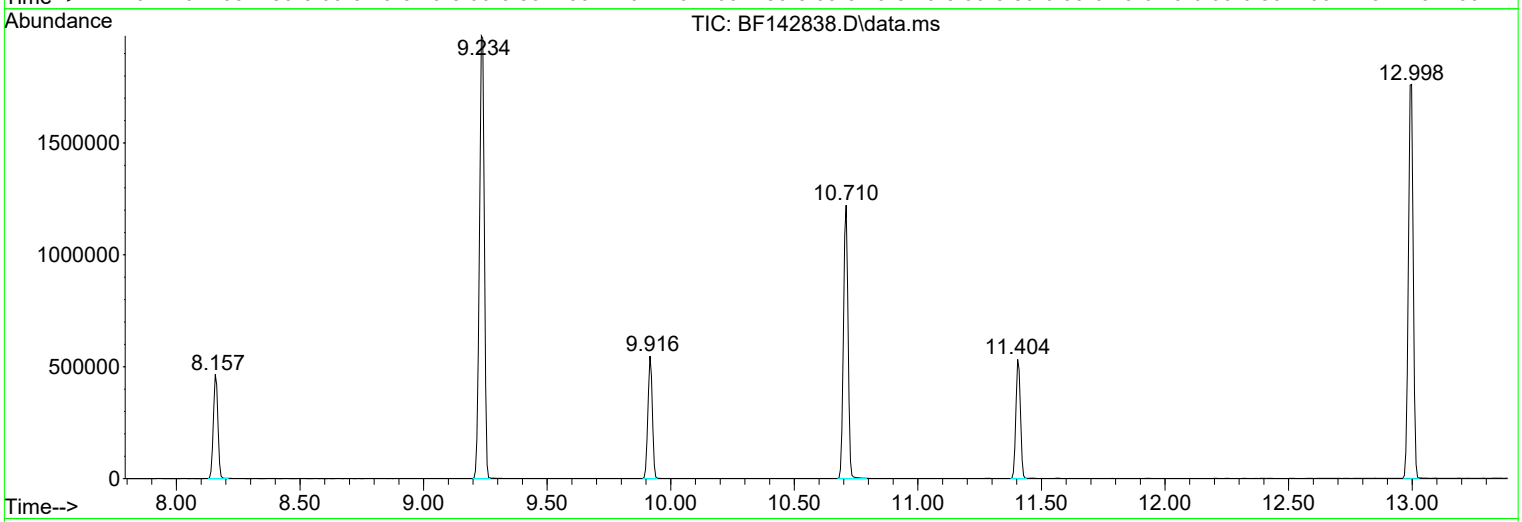
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062525\
Data File : BF142838.D
Acq On : 25 Jun 2025 15:26
Operator : RC/JU
Sample : PB168601BL
Misc :
ALS Vial : 6 Sample Multiplier: 1

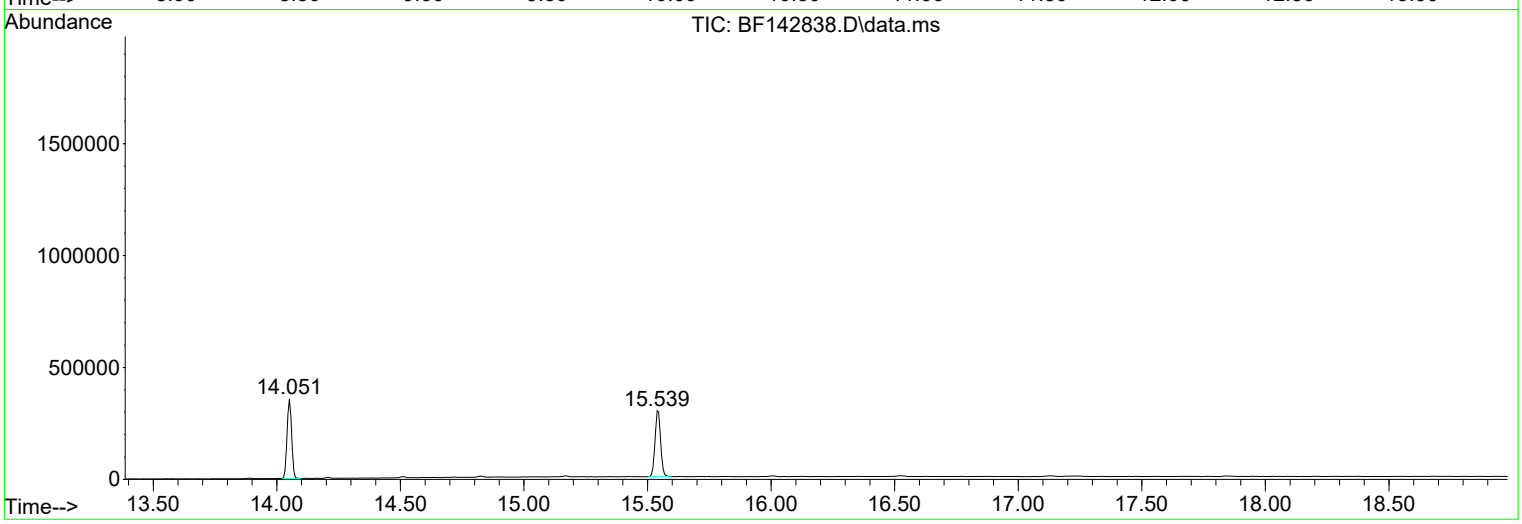
Instrument :
BNA_F
ClientSampleId :
PB168601BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P







Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062525\
Data File : BF142838.D
Acq On : 25 Jun 2025 15:26
Operator : RC/JU
Sample : PB168601BL
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168601BL

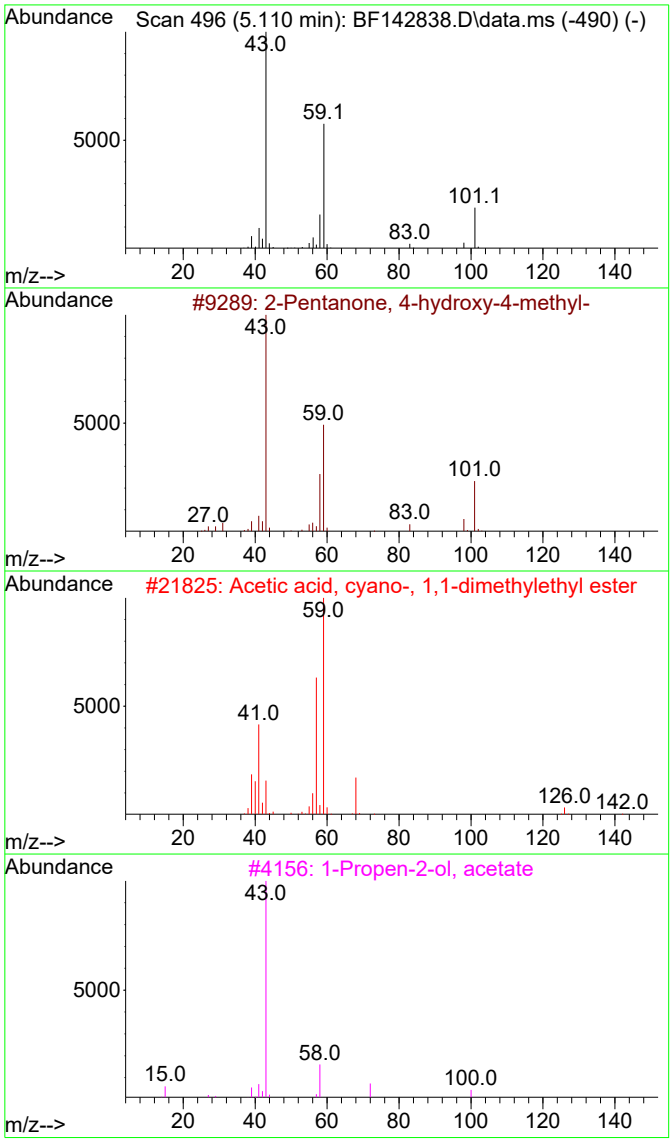
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

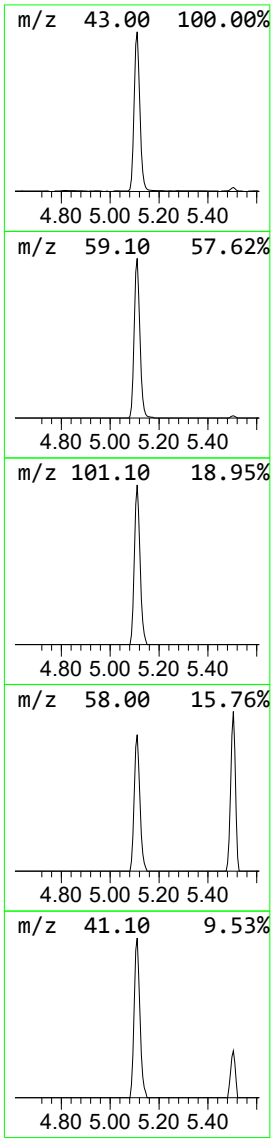
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.110	9.59 ng	218768	1,4-Dichlorobenzene-d4	6.875

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	32
3	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	12
4	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9
5	Propane, 1-ethoxy-2-methyl-	102	C6H14O	000627-02-1	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062525\
Data File : BF142838.D
Acq On : 25 Jun 2025 15:26
Operator : RC/JU
Sample : PB168601BL
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168601BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-...	5.110	9.6	ng	218768	1	6.875	456236	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062525\
Data File : BF142839.D
Acq On : 25 Jun 2025 15:57
Operator : RC/JU
Sample : PB168601BS
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168601BS

Quant Time: Jun 25 16:17:47 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	75779	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	274808	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	132637	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	201072	20.000	ng	0.00
76) Chrysene-d12	14.057	240	147361	20.000	ng	0.00
86) Perylene-d12	15.545	264	184315	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	537720	118.141	ng	0.01
7) Phenol-d6	6.510	99	611348	113.848	ng	0.00
23) Nitrobenzene-d5	7.439	82	386152	77.075	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	161105	118.032	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	796019	78.840	ng	0.00
79) Terphenyl-d14	12.992	244	660839	61.962	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.710	88	67762	37.222	ng	98
3) Pyridine	3.475	79	184116	40.342	ng	99
4) n-Nitrosodimethylamine	3.428	42	102806	43.561	ng	99
6) Aniline	6.540	93	213128	29.829	ng	92
8) 2-Chlorophenol	6.663	128	210361	42.845	ng	99
9) Benzaldehyde	6.428	77	126150	39.597	ng	99
10) Phenol	6.522	94	245098	41.062	ng	96
11) bis(2-Chloroethyl)ether	6.610	93	186285	43.666	ng	99
12) 1,3-Dichlorobenzene	6.816	146	238490	43.433	ng	99
13) 1,4-Dichlorobenzene	6.892	146	243305	43.918	ng	99
14) 1,2-Dichlorobenzene	7.045	146	231457	44.048	ng	99
15) Benzyl Alcohol	7.022	79	162957	41.977	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.151	45	291399	42.514	ng	97
17) 2-Methylphenol	7.134	107	154584	41.547	ng	98
18) Hexachloroethane	7.387	117	86781	44.785	ng	99
19) n-Nitroso-di-n-propyla...	7.287	70	133756	42.827	ng	100
20) 3+4-Methylphenols	7.287	107	191364	41.251	ng	91
22) Acetophenone	7.287	105	270364	44.614	ng	98
24) Nitrobenzene	7.457	77	201988	44.544	ng	99
25) Isophorone	7.698	82	354436	44.101	ng	100
26) 2-Nitrophenol	7.775	139	114740	46.450	ng	99
27) 2,4-Dimethylphenol	7.816	122	183895	42.978	ng	99
28) bis(2-Chloroethoxy)met...	7.910	93	226918	44.411	ng	99
29) 2,4-Dichlorophenol	8.022	162	167520	43.179	ng	99
30) 1,2,4-Trichlorobenzene	8.104	180	192694	45.168	ng	99
31) Naphthalene	8.181	128	599634	44.578	ng	100
32) Benzoic acid	7.928	122	97867	44.876	ng	96
33) 4-Chloroaniline	8.234	127	92787	16.964	ng	98
34) Hexachlorobutadiene	8.298	225	120739	46.269	ng	99
35) Caprolactam	8.598	113	43848	42.830	ng	97
36) 4-Chloro-3-methylphenol	8.716	107	157573	40.867	ng	100
37) 2-Methylnaphthalene	8.875	142	362264	43.440	ng	100
38) 1-Methylnaphthalene	8.975	142	373442	43.258	ng	100
40) 1,2,4,5-Tetrachloroben...	9.045	216	185507	47.400	ng	99
41) Hexachlorocyclopentadiene	9.028	237	226737	102.091	ng	100
43) 2,4,6-Trichlorophenol	9.157	196	113915	44.668	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062525\
Data File : BF142839.D
Acq On : 25 Jun 2025 15:57
Operator : RC/JU
Sample : PB168601BS
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168601BS

Quant Time: Jun 25 16:17:47 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

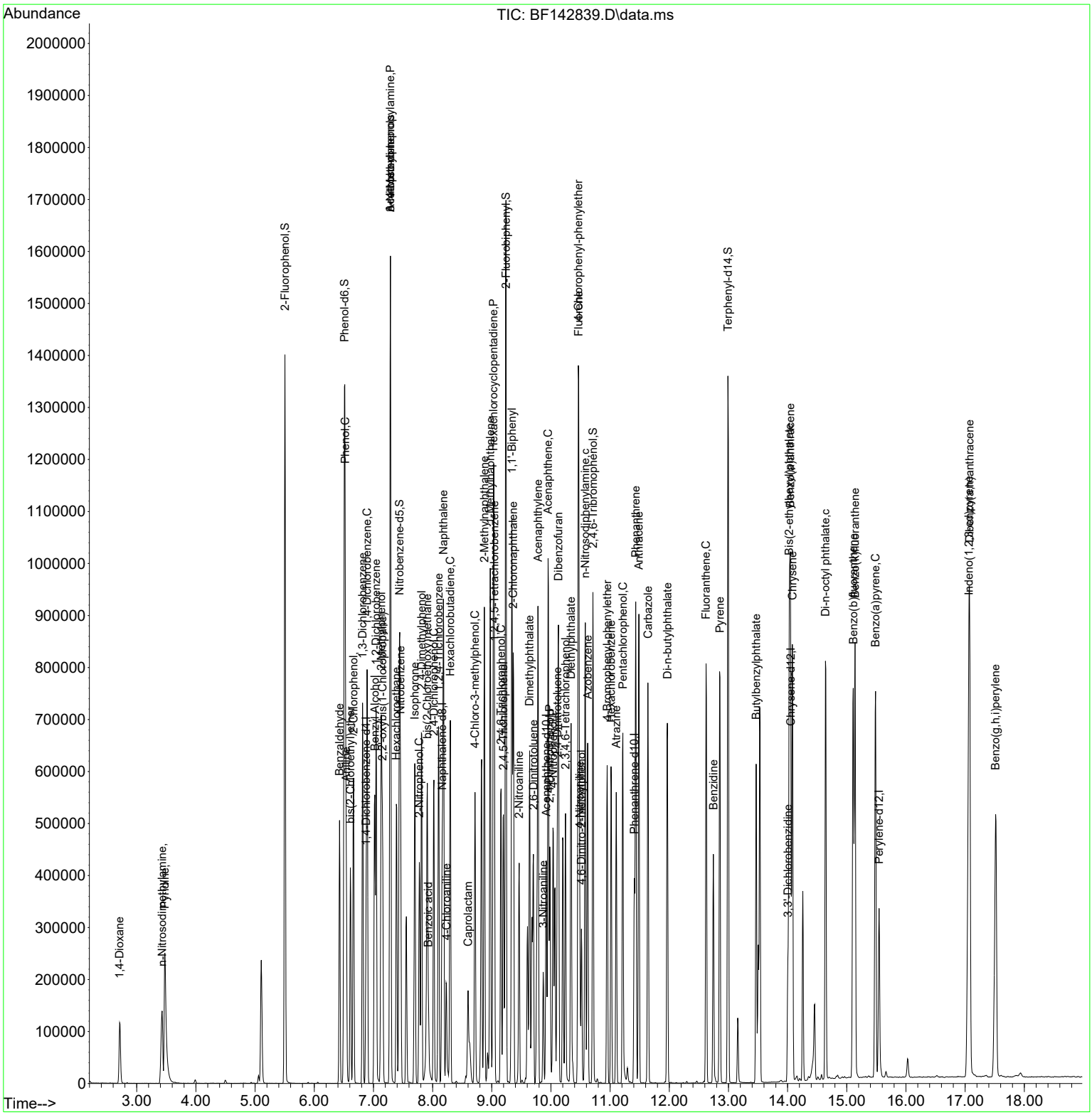
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	118294	44.064	ng	99
46) 1,1'-Biphenyl	9.339	154	485020	46.291	ng	100
47) 2-Chloronaphthalene	9.363	162	355587	45.225	ng	100
48) 2-Nitroaniline	9.463	65	95641	43.388	ng	96
49) Acenaphthylene	9.781	152	578483	44.692	ng	99
50) Dimethylphthalate	9.639	163	383618	44.681	ng	100
51) 2,6-Dinitrotoluene	9.704	165	83401	44.233	ng	97
52) Acenaphthene	9.951	154	386282	48.914	ng	100
53) 3-Nitroaniline	9.869	138	47033	22.656	ng	99
54) 2,4-Dinitrophenol	9.980	184	91154	96.551	ng	99
55) Dibenzofuran	10.128	168	498929	44.058	ng	99
56) 4-Nitrophenol	10.039	139	119930	84.387	ng	98
57) 2,4-Dinitrotoluene	10.110	165	110607	44.163	ng	99
58) Fluorene	10.469	166	381766	43.166	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.245	232	94664	43.746	ng	96
60) Diethylphthalate	10.339	149	374487	44.486	ng	100
61) 4-Chlorophenyl-phenyle...	10.463	204	184980	43.831	ng	99
62) 4-Nitroaniline	10.486	138	78627	41.413	ng	98
63) Azobenzene	10.622	77	316690	42.092	ng	98
65) 4,6-Dinitro-2-methylph...	10.516	198	58716	48.278	ng	94
66) n-Nitrosodiphenylamine	10.580	169	325101	46.652	ng	99
67) 4-Bromophenyl-phenylether	10.951	248	109098	47.675	ng	98
68) Hexachlorobenzene	11.016	284	120002	47.193	ng	98
69) Atrazine	11.104	200	93915	52.189	ng	99
70) Pentachlorophenol	11.216	266	118039	93.159	ng	98
71) Phenanthrene	11.433	178	493078	45.269	ng	99
72) Anthracene	11.486	178	508495	45.520	ng	100
73) Carbazole	11.639	167	444907	46.152	ng	100
74) Di-n-butylphthalate	11.969	149	518753	51.656	ng	100
75) Fluoranthene	12.621	202	482438	46.670	ng	100
77) Benzidine	12.745	184	243534	43.987	ng	99
78) Pyrene	12.857	202	486813	35.244	ng	100
80) Butylbenzylphthalate	13.469	149	210760	52.602	ng	96
81) Benzo(a)anthracene	14.045	228	452476	45.516	ng	99
82) 3,3'-Dichlorobenzidine	14.004	252	64332	19.951	ng	98
83) Chrysene	14.080	228	411802	46.423	ng	100
84) Bis(2-ethylhexyl)phtha...	14.027	149	318139	55.187	ng	99
85) Di-n-octyl phthalate	14.639	149	578638	53.232	ng	99
87) Indeno(1,2,3-cd)pyrene	17.062	276	603239	42.968	ng	99
88) Benzo(b)fluoranthene	15.110	252	497308	46.629	ng	100
89) Benzo(k)fluoranthene	15.139	252	476932	47.797	ng	99
90) Benzo(a)pyrene	15.486	252	485264	47.097	ng	99
91) Dibenzo(a,h)anthracene	17.074	278	488418	42.817	ng	99
92) Benzo(g,h,i)perylene	17.515	276	484905	42.630	ng	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062525\
Data File : BF142839.D
Acq On : 25 Jun 2025 15:57
Operator : RC/JU
Sample : PB168601BS
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168601BS

Quant Time: Jun 25 16:17:47 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062525\
Data File : BF142843.D
Acq On : 25 Jun 2025 18:04
Operator : RC/JU
Sample : Q2394-01MS
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MH-K/LMS

Quant Time: Jun 25 18:35:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.875	152	88519	20.000	ng		0.00
21) Naphthalene-d8	8.163	136	329491	20.000	ng		0.00
39) Acenaphthene-d10	9.922	164	165682	20.000	ng		0.00
64) Phenanthrene-d10	11.410	188	227501	20.000	ng		0.00
76) Chrysene-d12	14.057	240	165966	20.000	ng		0.00
86) Perylene-d12	15.545	264	197780	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.504	112	499572	93.963	ng		0.01
7) Phenol-d6	6.510	99	600360	95.711	ng		0.00
23) Nitrobenzene-d5	7.439	82	362464	60.340	ng		0.00
42) 2,4,6-Tribromophenol	10.710	330	150754	88.420	ng		0.00
45) 2-Fluorobiphenyl	9.239	172	742296	58.856	ng		0.00
79) Terphenyl-d14	12.992	244	463419	38.581	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.710	88	75011	35.274	ng		100
3) Pyridine	3.475	79	200057	37.526	ng		99
4) n-Nitrosodimethylamine	3.428	42	107913	39.144	ng		100
6) Aniline	6.540	93	217621	26.074	ng	#	87
8) 2-Chlorophenol	6.663	128	233842	40.773	ng		98
9) Benzaldehyde	6.428	77	137324	36.901	ng		99
10) Phenol	6.528	94	273460	39.220	ng		90
11) bis(2-Chloroethyl)ether	6.610	93	199815	40.096	ng		99
12) 1,3-Dichlorobenzene	6.816	146	255057	39.765	ng		99
13) 1,4-Dichlorobenzene	6.892	146	253276	39.138	ng		99
14) 1,2-Dichlorobenzene	7.045	146	244651	39.858	ng		99
15) Benzyl Alcohol	7.022	79	185058	40.809	ng		100
16) 2,2'-oxybis(1-Chloropr...	7.151	45	311726	38.934	ng		95
17) 2-Methylphenol	7.134	107	174992	40.263	ng		98
18) Hexachloroethane	7.387	117	90157	39.831	ng		98
19) n-Nitroso-di-n-propyla...	7.292	70	148962	40.832	ng		97
20) 3+4-Methylphenols	7.287	107	219249	40.459	ng		96
22) Acetophenone	7.287	105	297693	40.971	ng		97
24) Nitrobenzene	7.463	77	222065	40.844	ng		97
25) Isophorone	7.698	82	393119	40.796	ng		100
26) 2-Nitrophenol	7.781	139	127098	42.914	ng		96
27) 2,4-Dimethylphenol	7.816	122	206921	40.334	ng		100
28) bis(2-Chloroethoxy)met...	7.910	93	252403	41.200	ng		100
29) 2,4-Dichlorophenol	8.022	162	190142	40.876	ng		99
30) 1,2,4-Trichlorobenzene	8.104	180	208686	40.798	ng		99
31) Naphthalene	8.186	128	662234	41.061	ng		100
32) Benzoic acid	7.928	122	97920	37.448	ng		96
33) 4-Chloroaniline	8.234	127	77471	11.813	ng		98
34) Hexachlorobutadiene	8.298	225	127754	40.832	ng		99
35) Caprolactam	8.604	113	50110	40.824	ng		98
36) 4-Chloro-3-methylphenol	8.716	107	182369	39.448	ng		100
37) 2-Methylnaphthalene	8.875	142	404875	40.492	ng		100
38) 1-Methylnaphthalene	8.975	142	419225	40.502	ng		99
40) 1,2,4,5-Tetrachloroben...	9.045	216	206370	42.213	ng		99
41) Hexachlorocyclopentadiene	9.028	237	215010	77.502	ng		100
43) 2,4,6-Trichlorophenol	9.157	196	131094	41.152	ng		100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062525\
Data File : BF142843.D
Acq On : 25 Jun 2025 18:04
Operator : RC/JU
Sample : Q2394-01MS
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MH-K/LMS

Quant Time: Jun 25 18:35:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

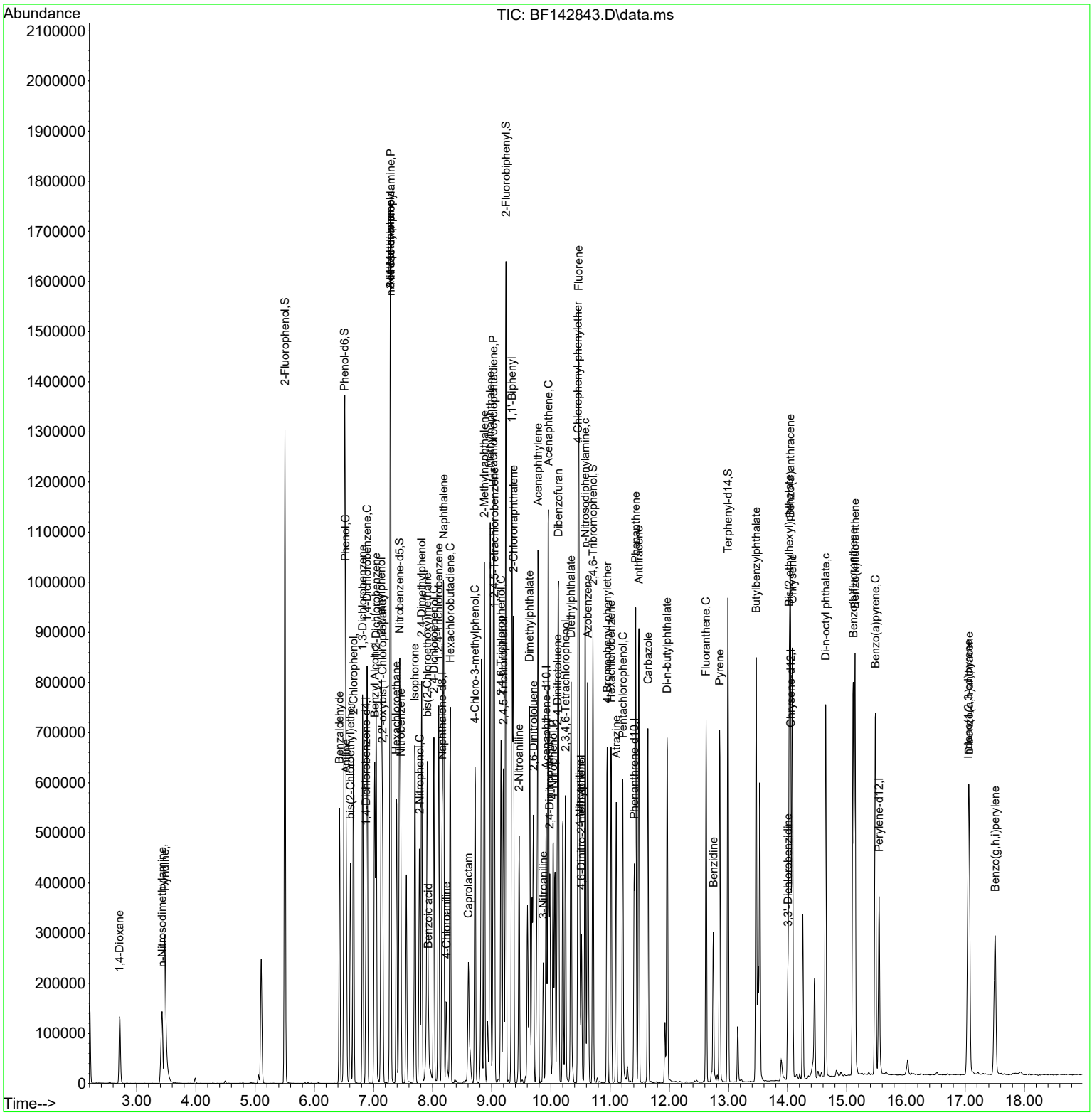
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	136008	40.558	ng	99
46) 1,1'-Biphenyl	9.339	154	547245	41.813	ng	100
47) 2-Chloronaphthalene	9.369	162	405690	41.306	ng	99
48) 2-Nitroaniline	9.463	65	109486	39.762	ng	95
49) Acenaphthylene	9.781	152	656449	40.601	ng	100
50) Dimethylphthalate	9.639	163	450728	42.027	ng	100
51) 2,6-Dinitrotoluene	9.704	165	97227	41.281	ng	99
52) Acenaphthene	9.957	154	424561	43.038	ng	99
53) 3-Nitroaniline	9.869	138	53290	20.550	ng	99
54) 2,4-Dinitrophenol	9.980	184	80048	67.877	ng	99
55) Dibenzofuran	10.128	168	563126	39.809	ng	99
56) 4-Nitrophenol	10.039	139	115198	64.891	ng	98
57) 2,4-Dinitrotoluene	10.110	165	122816	39.258	ng	98
58) Fluorene	10.469	166	429288	38.858	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.245	232	101337	37.490	ng	96
60) Diethylphthalate	10.339	149	430342	40.925	ng	100
61) 4-Chlorophenyl-phenyle...	10.457	204	208769	39.601	ng	99
62) 4-Nitroaniline	10.486	138	81554	34.388	ng	98
63) Azobenzene	10.622	77	400040	42.566	ng	95
65) 4,6-Dinitro-2-methylph...	10.516	198	56551	41.096	ng	94
66) n-Nitrosodiphenylamine	10.580	169	360840	45.765	ng	99
67) 4-Bromophenyl-phenylether	10.951	248	120669	46.605	ng	97
68) Hexachlorobenzene	11.016	284	129337	44.955	ng	98
69) Atrazine	11.104	200	94788	46.555	ng	99
70) Pentachlorophenol	11.216	266	107120	74.720	ng	97
71) Phenanthrene	11.433	178	505523	41.020	ng	100
72) Anthracene	11.486	178	513353	40.616	ng	100
73) Carbazole	11.639	167	404102	37.050	ng	100
74) Di-n-butylphthalate	11.963	149	511965	45.058	ng	100
75) Fluoranthene	12.621	202	420643	35.965	ng	100
77) Benzidine	12.745	184	165026	26.465	ng	99
78) Pyrene	12.851	202	417496	26.837	ng	99
80) Butylbenzylphthalate	13.469	149	181793	40.286	ng	97
81) Benzo(a)anthracene	14.045	228	463653	41.412	ng	100
82) 3,3'-Dichlorobenzidine	14.004	252	59405	16.358	ng	98
83) Chrysene	14.080	228	425822	42.622	ng	99
84) Bis(2-ethylhexyl)phtha...	14.027	149	283606	43.681	ng	100
85) Di-n-octyl phthalate	14.645	149	541947	44.267	ng	99
87) Indeno(1,2,3-cd)pyrene	17.057	276	365312	24.250	ng	99
88) Benzo(b)fluoranthene	15.110	252	512125	44.749	ng	100
89) Benzo(k)fluoranthene	15.139	252	484313	45.233	ng	99
90) Benzo(a)pyrene	15.486	252	475618	43.019	ng	99
91) Dibenzo(a,h)anthracene	17.068	278	299177	24.442	ng	99
92) Benzo(g,h,i)perylene	17.509	276	257081	21.062	ng	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062525\
Data File : BF142843.D
Acq On : 25 Jun 2025 18:04
Operator : RC/JU
Sample : Q2394-01MS
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MH-K/LMS

Quant Time: Jun 25 18:35:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062525\
Data File : BF142844.D
Acq On : 25 Jun 2025 18:35
Operator : RC/JU
Sample : Q2394-01MSD
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MH-K/LMSD

Quant Time: Jun 26 01:18:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.875	152	86832	20.000	ng		0.00
21) Naphthalene-d8	8.163	136	327352	20.000	ng		0.00
39) Acenaphthene-d10	9.922	164	161732	20.000	ng		0.00
64) Phenanthrene-d10	11.410	188	216826	20.000	ng		0.00
76) Chrysene-d12	14.057	240	166084	20.000	ng		0.00
86) Perylene-d12	15.545	264	195276	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.504	112	510437	97.872	ng		0.01
7) Phenol-d6	6.510	99	618603	100.535	ng		0.00
23) Nitrobenzene-d5	7.439	82	379709	63.624	ng		0.00
42) 2,4,6-Tribromophenol	10.710	330	152841	91.833	ng		0.00
45) 2-Fluorobiphenyl	9.239	172	776863	63.101	ng		0.00
79) Terphenyl-d14	12.992	244	479096	39.857	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.710	88	77619	37.209	ng		100
3) Pyridine	3.475	79	209759	40.110	ng		100
4) n-Nitrosodimethylamine	3.428	42	113036	41.799	ng		99
6) Aniline	6.540	93	214782	26.234	ng	#	83
8) 2-Chlorophenol	6.663	128	240076	42.673	ng		99
9) Benzaldehyde	6.428	77	142335	38.990	ng		100
10) Phenol	6.528	94	280041	40.944	ng		90
11) bis(2-Chloroethyl)ether	6.610	93	211398	43.245	ng		98
12) 1,3-Dichlorobenzene	6.816	146	259981	41.320	ng		99
13) 1,4-Dichlorobenzene	6.892	146	266435	41.971	ng		99
14) 1,2-Dichlorobenzene	7.045	146	254247	42.226	ng		99
15) Benzyl Alcohol	7.022	79	190482	42.821	ng		100
16) 2,2'-oxybis(1-Chloropr...	7.151	45	323932	41.245	ng		95
17) 2-Methylphenol	7.134	107	180490	42.335	ng		98
18) Hexachloroethane	7.387	117	94535	42.576	ng		99
19) n-Nitroso-di-n-propyla...	7.292	70	153811	42.980	ng		98
20) 3+4-Methylphenols	7.287	107	226021	42.519	ng		95
22) Acetophenone	7.287	105	310952	43.076	ng		98
24) Nitrobenzene	7.463	77	230370	42.648	ng		98
25) Isophorone	7.698	82	409972	42.823	ng		100
26) 2-Nitrophenol	7.781	139	133671	45.428	ng		98
27) 2,4-Dimethylphenol	7.816	122	212994	41.789	ng		98
28) bis(2-Chloroethoxy)met...	7.910	93	262521	43.132	ng		99
29) 2,4-Dichlorophenol	8.022	162	198199	42.886	ng		99
30) 1,2,4-Trichlorobenzene	8.104	180	217187	42.738	ng		99
31) Naphthalene	8.187	128	676656	42.229	ng		100
32) Benzoic acid	7.928	122	99567	38.327	ng		96
33) 4-Chloroaniline	8.234	127	76461	11.735	ng		97
34) Hexachlorobutadiene	8.298	225	132910	42.757	ng		99
35) Caprolactam	8.610	113	52363	42.938	ng		96
36) 4-Chloro-3-methylphenol	8.716	107	192750	41.966	ng		98
37) 2-Methylnaphthalene	8.875	142	422995	42.581	ng		98
38) 1-Methylnaphthalene	8.975	142	434533	42.256	ng		100
40) 1,2,4,5-Tetrachloroben...	9.045	216	215130	45.080	ng		99
41) Hexachlorocyclopentadiene	9.028	237	224115	82.757	ng		100
43) 2,4,6-Trichlorophenol	9.157	196	137174	44.112	ng		100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062525\
Data File : BF142844.D
Acq On : 25 Jun 2025 18:35
Operator : RC/JU
Sample : Q2394-01MSD
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MH-K/LMSD

Quant Time: Jun 26 01:18:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

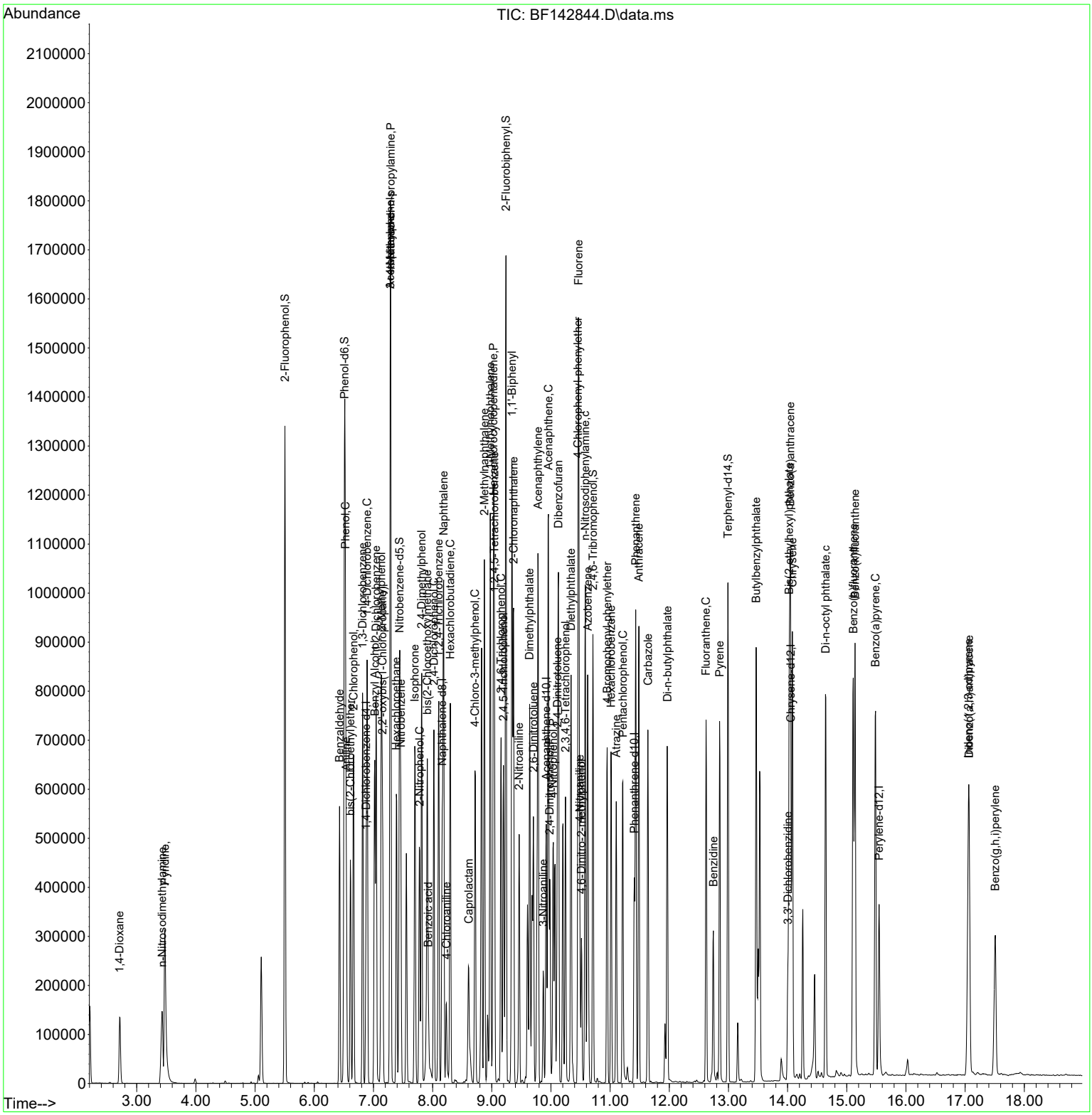
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	140604	42.953	ng	99
46) 1,1'-Biphenyl	9.339	154	569253	44.557	ng	99
47) 2-Chloronaphthalene	9.369	162	416871	43.481	ng	100
48) 2-Nitroaniline	9.463	65	114797	42.709	ng	98
49) Acenaphthylene	9.781	152	677374	42.918	ng	99
50) Dimethylphthalate	9.639	163	466375	44.548	ng	100
51) 2,6-Dinitrotoluene	9.704	165	100547	43.733	ng	98
52) Acenaphthene	9.957	154	433591	45.027	ng	99
53) 3-Nitroaniline	9.869	138	51321	20.274	ng	98
54) 2,4-Dinitrophenol	9.981	184	81917	71.158	ng	99
55) Dibenzofuran	10.128	168	578999	41.931	ng	100
56) 4-Nitrophenol	10.039	139	118397	68.321	ng	98
57) 2,4-Dinitrotoluene	10.110	165	127282	41.679	ng	99
58) Fluorene	10.469	166	438096	40.624	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.245	232	103184	39.105	ng	97
60) Diethylphthalate	10.339	149	442512	43.110	ng	100
61) 4-Chlorophenyl-phenyle...	10.457	204	216441	42.059	ng	98
62) 4-Nitroaniline	10.486	138	83121	35.904	ng	97
63) Azobenzene	10.622	77	409836	44.673	ng	96
65) 4,6-Dinitro-2-methylph...	10.516	198	58514	44.616	ng	96
66) n-Nitrosodiphenylamine	10.580	169	366172	48.728	ng	98
67) 4-Bromophenyl-phenylether	10.951	248	123766	50.155	ng	97
68) Hexachlorobenzene	11.016	284	129801	47.338	ng	97
69) Atrazine	11.104	200	95172	49.045	ng	99
70) Pentachlorophenol	11.216	266	107461	78.649	ng	98
71) Phenanthrene	11.433	178	515807	43.915	ng	99
72) Anthracene	11.486	178	524846	43.570	ng	99
73) Carbazole	11.639	167	413578	39.785	ng	100
74) Di-n-butylphthalate	11.969	149	517455	47.783	ng	100
75) Fluoranthene	12.622	202	428340	38.426	ng	100
77) Benzidine	12.745	184	172817	27.695	ng	99
78) Pyrene	12.851	202	438025	28.137	ng	100
80) Butylbenzylphthalate	13.469	149	191237	42.349	ng	98
81) Benzo(a)anthracene	14.045	228	486056	43.382	ng	99
82) 3,3'-Dichlorobenzidine	14.004	252	60826	16.737	ng	99
83) Chrysene	14.080	228	448397	44.850	ng	99
84) Bis(2-ethylhexyl)phtha...	14.027	149	299554	46.105	ng	100
85) Di-n-octyl phthalate	14.645	149	570522	46.568	ng	99
87) Indeno(1,2,3-cd)pyrene	17.057	276	369992	24.875	ng	99
88) Benzo(b)fluoranthene	15.110	252	531909	47.074	ng	100
89) Benzo(k)fluoranthene	15.139	252	506561	47.917	ng	100
90) Benzo(a)pyrene	15.486	252	489635	44.854	ng	99
91) Dibenzo(a,h)anthracene	17.068	278	301769	24.970	ng	98
92) Benzo(g,h,i)perylene	17.509	276	259891	21.566	ng	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062525\
Data File : BF142844.D
Acq On : 25 Jun 2025 18:35
Operator : RC/JU
Sample : Q2394-01MSD
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MH-K/LMSD

Quant Time: Jun 26 01:18:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration



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

Manual Integration Report

Sequence:	BF061925	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason

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

Manual Integration Report

Sequence:	bf062425	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2393-05	BF142824.D	Benzo(b)fluoranthene	Rahul	6/25/2025 8:47:04 AM	Jagrut	6/25/2025 11:18:44 AM	Peak Integrated by Software
Q2393-07	BF142825.D	Benzo(b)fluoranthene	Rahul	6/25/2025 8:47:07 AM	Jagrut	6/25/2025 11:18:47 AM	Peak Integrated by Software
Q2393-07	BF142825.D	Benzo(k)fluoranthene	Rahul	6/25/2025 8:47:07 AM	Jagrut	6/25/2025 11:18:47 AM	Peak Integrated by Software
Q2393-09	BF142826.D	Benzo(b)fluoranthene	Rahul	6/25/2025 8:47:11 AM	Jagrut	6/25/2025 11:18:50 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	BF062525	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BF142834.D	2,4-Dimethylphenol	Rahul	6/26/2025 9:13:56 AM	Jagrut	6/26/2025 10:47:47 AM	Peak Integrated by Software

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Fax : 908 789 8922

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF061925

Review By	Rahul	Review On	6/23/2025 3:55:52 PM		
Supervise By	Jagrut	Supervise On	6/24/2025 3:17:49 PM		
SubDirectory	BF061925	HP Acquire Method	BNA_F	HP Processing Method	bf061925

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S12670,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF142787.D	19 Jun 2025 16:37	RC/JU	Ok
2	SSTDICC2.5	BF142788.D	19 Jun 2025 17:07	RC/JU	Ok
3	SSTDICC005	BF142789.D	19 Jun 2025 17:38	RC/JU	Ok
4	SSTDICC010	BF142790.D	19 Jun 2025 18:08	RC/JU	Ok
5	SSTDICC020	BF142791.D	19 Jun 2025 18:39	RC/JU	Ok
6	SSTDICC040	BF142792.D	19 Jun 2025 19:09	RC/JU	Ok
7	SSTDICC050	BF142793.D	19 Jun 2025 19:40	RC/JU	Ok
8	SSTDICC060	BF142794.D	19 Jun 2025 20:10	RC/JU	Ok
9	SSTDICC080	BF142795.D	19 Jun 2025 20:40	RC/JU	Ok
10	SSTDICV040	BF142796.D	19 Jun 2025 21:10	RC/JU	Ok
11	PB168536BL	BF142797.D	19 Jun 2025 22:10	RC/JU	Ok
12	PB168536BS	BF142798.D	19 Jun 2025 22:40	RC/JU	Ok,M

M : Manual Integration

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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF062425

Review By	Rahul	Review On	6/25/2025 10:47:43 AM				
Supervise By	Jagrut	Supervise On	6/25/2025 11:19:22 AM				
SubDirectory	BF062425	HP Acquire Method	BNA_F		HP Processing Method	bf061925	

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S12671,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF142810.D	24 Jun 2025 09:46	RC/JU	Ok
2	SSTDCCC040	BF142811.D	24 Jun 2025 10:16	RC/JU	Ok
3	PB168582BL	BF142812.D	24 Jun 2025 10:46	RC/JU	Ok
4	PB168582BS	BF142813.D	24 Jun 2025 11:17	RC/JU	Ok,M
5	Q2388-01	BF142814.D	24 Jun 2025 11:51	RC/JU	Ok
6	Q2380-01	BF142815.D	24 Jun 2025 12:22	RC/JU	Ok,M
7	Q2380-03	BF142816.D	24 Jun 2025 12:53	RC/JU	Ok,M
8	Q2381-01	BF142817.D	24 Jun 2025 13:24	RC/JU	Ok,M
9	Q2381-05	BF142818.D	24 Jun 2025 13:54	RC/JU	Ok,M
10	Q2385-01	BF142819.D	24 Jun 2025 14:57	RC/JU	Ok
11	Q2372-01	BF142820.D	24 Jun 2025 15:28	RC/JU	Ok
12	Q2386-01	BF142821.D	24 Jun 2025 15:59	RC/JU	Dilution
13	Q2392-01	BF142822.D	24 Jun 2025 16:30	RC/JU	Ok
14	Q2393-11	BF142823.D	24 Jun 2025 17:01	RC/JU	Ok
15	Q2393-05	BF142824.D	24 Jun 2025 17:33	RC/JU	Ok,M
16	Q2393-07	BF142825.D	24 Jun 2025 18:03	RC/JU	Ok,M
17	Q2393-09	BF142826.D	24 Jun 2025 18:34	RC/JU	Ok,M
18	Q2398-06	BF142827.D	24 Jun 2025 19:05	RC/JU	Ok,M
19	Q2398-03	BF142828.D	24 Jun 2025 19:36	RC/JU	Ok,M
20	Q2381-03	BF142829.D	24 Jun 2025 20:07	RC/JU	Ok,M
21	Q2380-05	BF142830.D	24 Jun 2025 20:38	RC/JU	Ok,M

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Fax : 908 789 8922

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF062425

Review By	Rahul	Review On	6/25/2025 10:47:43 AM		
Supervise By	Jagrut	Supervise On	6/25/2025 11:19:22 AM		
SubDirectory	BF062425	HP Acquire Method	BNA_F	HP Processing Method	bf061925

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S12671,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q2384-01	BF142831.D	24 Jun 2025 21:08	RC/JU	Ok,M
23	Q2383-01	BF142832.D	24 Jun 2025 21:38	RC/JU	Ok

M : Manual Integration

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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF062525

Review By	Rahul	Review On	6/26/2025 9:14:40 AM				
Supervise By	Jagrut	Supervise On	6/26/2025 10:48:09 AM				
SubDirectory	BF062525	HP Acquire Method	BNA_F		HP Processing Method	bf061925	

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S12671,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF142833.D	25 Jun 2025 12:17	RC/JU	Ok
2	SSTDCCC040	BF142834.D	25 Jun 2025 13:25	RC/JU	Ok,M
3	PB168592BL	BF142835.D	25 Jun 2025 13:55	RC/JU	Ok
4	PB168592BS	BF142836.D	25 Jun 2025 14:25	RC/JU	Ok,M
5	PB168592BSD	BF142837.D	25 Jun 2025 14:55	RC/JU	Ok,M
6	PB168601BL	BF142838.D	25 Jun 2025 15:26	RC/JU	Ok
7	PB168601BS	BF142839.D	25 Jun 2025 15:57	RC/JU	Ok
8	Q2393-01	BF142840.D	25 Jun 2025 16:32	RC/JU	Ok
9	Q2393-03	BF142841.D	25 Jun 2025 17:02	RC/JU	Ok
10	Q2394-01	BF142842.D	25 Jun 2025 17:33	RC/JU	Ok
11	Q2394-01MS	BF142843.D	25 Jun 2025 18:04	RC/JU	Ok
12	Q2394-01MSD	BF142844.D	25 Jun 2025 18:35	RC/JU	Ok
13	Q2386-02	BF142845.D	25 Jun 2025 19:06	RC/JU	Ok
14	Q2386-02MS	BF142846.D	25 Jun 2025 19:37	RC/JU	Ok
15	Q2386-02MSD	BF142847.D	25 Jun 2025 20:07	RC/JU	Ok
16	Q2388-04	BF142848.D	25 Jun 2025 20:38	RC/JU	Ok
17	Q2389-04	BF142849.D	25 Jun 2025 21:09	RC/JU	Ok
18	Q2399-01	BF142850.D	25 Jun 2025 21:40	RC/JU	Ok
19	Q2399-05	BF142851.D	25 Jun 2025 22:10	RC/JU	Ok
20	Q2386-01DL	BF142852.D	25 Jun 2025 22:41	RC/JU	Dilution
21	Q2386-01DL2	BF142853.D	25 Jun 2025 23:11	RC/JU	Ok,M

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF062525

Review By	Rahul	Review On	6/26/2025 9:14:40 AM		
Supervise By	Jagrut	Supervise On	6/26/2025 10:48:09 AM		
SubDirectory	BF062525	HP Acquire Method	BNA_F	HP Processing Method	bf061925

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S12671,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q2412-01	BF142854.D	25 Jun 2025 23:41	RC/JU	Ok,M
23	Q2403-03	BF142855.D	26 Jun 2025 00:12	RC/JU	Ok

M : Manual Integration

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Fax : 908 789 8922

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF061925

Review By	Rahul	Review On	6/23/2025 3:55:52 PM		
Supervise By	Jagrut	Supervise On	6/24/2025 3:17:49 PM		
SubDirectory	BF061925	HP Acquire Method	BNA_F	HP Processing Method	bf061925

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S12670,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF142787.D	19 Jun 2025 16:37		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BF142788.D	19 Jun 2025 17:07		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BF142789.D	19 Jun 2025 17:38		RC/JU	Ok
4	SSTDICC010	SSTDICC010	BF142790.D	19 Jun 2025 18:08		RC/JU	Ok
5	SSTDICC020	SSTDICC020	BF142791.D	19 Jun 2025 18:39		RC/JU	Ok
6	SSTDICC040	SSTDICC040	BF142792.D	19 Jun 2025 19:09	Calibration is Good for 8270 E, 8270 DOD and 625.1 methods.	RC/JU	Ok
7	SSTDICC050	SSTDICC050	BF142793.D	19 Jun 2025 19:40		RC/JU	Ok
8	SSTDICC060	SSTDICC060	BF142794.D	19 Jun 2025 20:10		RC/JU	Ok
9	SSTDICC080	SSTDICC080	BF142795.D	19 Jun 2025 20:40	Compound #09 removed from 80 PPM.	RC/JU	Ok
10	SSTDICV040	ICVBF061925	BF142796.D	19 Jun 2025 21:10		RC/JU	Ok
11	PB168536BL	PB168536BL	BF142797.D	19 Jun 2025 22:10		RC/JU	Ok
12	PB168536BS	PB168536BS	BF142798.D	19 Jun 2025 22:40		RC/JU	Ok,M

M : Manual Integration

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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF062425

Review By	Rahul	Review On	6/25/2025 10:47:43 AM		
Supervise By	Jagrut	Supervise On	6/25/2025 11:19:22 AM		
SubDirectory	BF062425	HP Acquire Method	BNA_F	HP Processing Method	bf061925

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S12671,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF142810.D	24 Jun 2025 09:46		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF142811.D	24 Jun 2025 10:16		RC/JU	Ok
3	PB168582BL	PB168582BL	BF142812.D	24 Jun 2025 10:46		RC/JU	Ok
4	PB168582BS	PB168582BS	BF142813.D	24 Jun 2025 11:17		RC/JU	Ok,M
5	Q2388-01	TP-12	BF142814.D	24 Jun 2025 11:51		RC/JU	Ok
6	Q2380-01	72-11948	BF142815.D	24 Jun 2025 12:22	Internal Standard Fail	RC/JU	Ok,M
7	Q2380-03	VNJ-211	BF142816.D	24 Jun 2025 12:53		RC/JU	Ok,M
8	Q2381-01	291431	BF142817.D	24 Jun 2025 13:24		RC/JU	Ok,M
9	Q2381-05	72-11929	BF142818.D	24 Jun 2025 13:54	Internal Standard Fail	RC/JU	Ok,M
10	Q2385-01	A5311	BF142819.D	24 Jun 2025 14:57		RC/JU	Ok
11	Q2372-01	GAV1W	BF142820.D	24 Jun 2025 15:28		RC/JU	Ok
12	Q2386-01	SU-1-062025	BF142821.D	24 Jun 2025 15:59	Internal Standard Fail, Run 10X Dilution and then decide further dilution	RC/JU	Dilution
13	Q2392-01	S-1	BF142822.D	24 Jun 2025 16:30		RC/JU	Ok
14	Q2393-11	PARK AVE -6	BF142823.D	24 Jun 2025 17:01		RC/JU	Ok
15	Q2393-05	PARK AVE -3	BF142824.D	24 Jun 2025 17:33		RC/JU	Ok,M
16	Q2393-07	PARK AVE -4	BF142825.D	24 Jun 2025 18:03		RC/JU	Ok,M
17	Q2393-09	PARK AVE -5	BF142826.D	24 Jun 2025 18:34		RC/JU	Ok,M

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Fax : 908 789 8922

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF062425

Review By	Rahul	Review On	6/25/2025 10:47:43 AM		
Supervise By	Jagrut	Supervise On	6/25/2025 11:19:22 AM		
SubDirectory	BF062425	HP Acquire Method	BNA_F	HP Processing Method	bf061925

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S12671,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	Q2398-06	ARS20-0036	BF142827.D	24 Jun 2025 19:05	Internal Standard Fail	RC/JU	Ok,M
19	Q2398-03	M00-25-0179	BF142828.D	24 Jun 2025 19:36	Internal Standard Fail	RC/JU	Ok,M
20	Q2381-03	VNJ-207	BF142829.D	24 Jun 2025 20:07		RC/JU	Ok,M
21	Q2380-05	RBR-200059	BF142830.D	24 Jun 2025 20:38		RC/JU	Ok,M
22	Q2384-01	OK-01-6202025	BF142831.D	24 Jun 2025 21:08		RC/JU	Ok,M
23	Q2383-01	RT-5376	BF142832.D	24 Jun 2025 21:38	Internal Standard Fail	RC/JU	Ok

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF062525

Review By	Rahul	Review On	6/26/2025 9:14:40 AM		
Supervise By	Jagrut	Supervise On	6/26/2025 10:48:09 AM		
SubDirectory	BF062525	HP Acquire Method	BNA_F	HP Processing Method	bf061925

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S12671,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF142833.D	25 Jun 2025 12:17		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF142834.D	25 Jun 2025 13:25		RC/JU	Ok,M
3	PB168592BL	PB168592BL	BF142835.D	25 Jun 2025 13:55		RC/JU	Ok
4	PB168592BS	PB168592BS	BF142836.D	25 Jun 2025 14:25		RC/JU	Ok,M
5	PB168592BSD	PB168592BSD	BF142837.D	25 Jun 2025 14:55		RC/JU	Ok,M
6	PB168601BL	PB168601BL	BF142838.D	25 Jun 2025 15:26		RC/JU	Ok
7	PB168601BS	PB168601BS	BF142839.D	25 Jun 2025 15:57		RC/JU	Ok
8	Q2393-01	PARK AVE -1	BF142840.D	25 Jun 2025 16:32		RC/JU	Ok
9	Q2393-03	PARK AVE -2	BF142841.D	25 Jun 2025 17:02		RC/JU	Ok
10	Q2394-01	MH-K/L	BF142842.D	25 Jun 2025 17:33		RC/JU	Ok
11	Q2394-01MS	MH-K/LMS	BF142843.D	25 Jun 2025 18:04		RC/JU	Ok
12	Q2394-01MSD	MH-K/LMSD	BF142844.D	25 Jun 2025 18:35		RC/JU	Ok
13	Q2386-02	SU-1-062025	BF142845.D	25 Jun 2025 19:06		RC/JU	Ok
14	Q2386-02MS	SU-1-062025MS	BF142846.D	25 Jun 2025 19:37		RC/JU	Ok
15	Q2386-02MSD	SU-1-062025MSD	BF142847.D	25 Jun 2025 20:07		RC/JU	Ok
16	Q2388-04	TP-12	BF142848.D	25 Jun 2025 20:38		RC/JU	Ok
17	Q2389-04	MH-J-I	BF142849.D	25 Jun 2025 21:09		RC/JU	Ok
18	Q2399-01	TP-13	BF142850.D	25 Jun 2025 21:40		RC/JU	Ok

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF062525

Review By	Rahul	Review On	6/26/2025 9:14:40 AM		
Supervise By	Jagrut	Supervise On	6/26/2025 10:48:09 AM		
SubDirectory	BF062525	HP Acquire Method	BNA_F	HP Processing Method	bf061925

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S12671,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q2399-05	EP-7	BF142851.D	25 Jun 2025 22:10		RC/JU	Ok
20	Q2386-01DL	SU-1-062025DL	BF142852.D	25 Jun 2025 22:41	Need Further 5X Dilution	RC/JU	Dilution
21	Q2386-01DL2	SU-1-062025DL2	BF142853.D	25 Jun 2025 23:11		RC/JU	Ok,M
22	Q2412-01	TR-05-062425	BF142854.D	25 Jun 2025 23:41		RC/JU	Ok,M
23	Q2403-03	LAW-25-0093	BF142855.D	26 Jun 2025 00:12	Surrogate Failed.	RC/JU	Ok

M : Manual Integration

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB168601

SOP ID:	M3541-ASE Extraction-14				
Clean Up SOP #:	N/A			**Extraction Start Date :**	06/24/2025
Matrix :	Solid			**Extraction Start Time :**	13:00
Weigh By:	EH	**Extraction By:**	RJ	**Extraction End Date :**	06/24/2025
Balance check:	RJ	**Filter By:**	RJ	**Extraction End Time :**	16:00
Balance ID:	EX-SC-2	**pH Meter ID:**	N/A	**Concentration By:**	EH
pH Strip Lot#:	N/A	**Hood ID:**	3,7	**Supervisor By :**	RUPESH

Extraction Method: ☐ Seperatory Funnel ☐ Continious Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☑ Soxhlet

Standared Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	50/100 PPM	SP6794
Surrogate	1.0ML	100/150 PPM	SP6754
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	EP2612
Baked Na2SO4	N/A	EP2622
Sand	N/A	E2865
Methylene Chloride	N/A	E3943
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:

1.5ML Vail Lot # 2210443.

KD Bath ID:	N/A	**Envap ID:**	NEVAP-02
KD Bath Temperature:	N/A	**Envap Temperature:**	40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
6/24/25	RS (EXT-Lab)	RC/SVOC
16:05	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB168601

Analytical Method: M3541-ASE Extraction-14

Concentration Date: 06/24/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB168601BL	SBLK601	SVOC-TCL BNA -20	30.01	N/A	ritesh	Evelyn	1			U1-1
PB168601BS	SLCS601	SVOC-TCL BNA -20	30.03	N/A	ritesh	Evelyn	1			2
Q2392-01	S-1	SVOC-TCL BNA -20	30.05	N/A	ritesh	Evelyn	1	D		3
Q2393-01	PARK AVE -1	SVOC-TCL BNA -20	30.09	N/A	ritesh	Evelyn	1	D		4
Q2393-03	PARK AVE -2	SVOC-TCL BNA -20	30.01	N/A	ritesh	Evelyn	1	D		5
Q2393-05	PARK AVE -3	SVOC-TCL BNA -20	30.03	N/A	ritesh	Evelyn	1	D		6
Q2393-07	PARK AVE -4	SVOC-TCL BNA -20	30.08	N/A	ritesh	Evelyn	1	D		U2-1
Q2393-09	PARK AVE -5	SVOC-TCL BNA -20	30.06	N/A	ritesh	Evelyn	1	D		2
Q2393-11	PARK AVE -6	SVOC-TCL BNA -20	30.04	N/A	ritesh	Evelyn	1	D		3
Q2394-01	MH-K/L	SVOC-TCL BNA -20	50.02	N/A	ritesh	Evelyn	1	D		4
Q2394-01MS	MH-K/LMS	SVOC-TCL BNA -20	50.05	N/A	ritesh	Evelyn	1	D		5
Q2394-01MSD	MH-K/LMSD	SVOC-TCL BNA -20	50.07	N/A	ritesh	Evelyn	1	D		6
Q2398-03	M00-25-0179	SVOC-TCL BNA -20	30.02	N/A	ritesh	Evelyn	1	D	Small Partical	U3-1
Q2398-06	ARS20-0036	SVOC-TCL BNA -20	50.06	N/A	ritesh	Evelyn	1	D		2
Q2399-01	TP-13	SVOC-TCL BNA -20	50.04	N/A	ritesh	Evelyn	1	D		3
Q2399-05	EP-7	SVOC-TCL BNA -20	50.08	N/A	ritesh	Evelyn	1	D		4

RS 6/24

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

1686
13:00

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q2398 **WorkList ID :** 190360 **Department :** Extraction **Date :** 06-24-2025 12:52:50

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2392-01	S-1	Solid	SVOC-TCL BNA -20	Cool 4 deg C	EARTH03	A41	06/23/2025	8270E
Q2393-01	PARK AVE -1	Solid	SVOC-TCL BNA -20	Cool 4 deg C	UNIO02	A22	06/23/2025	8270E
Q2393-03	PARK AVE -2	Solid	SVOC-TCL BNA -20	Cool 4 deg C	UNIO02	A22	06/23/2025	8270E
Q2393-05	PARK AVE -3	Solid	SVOC-TCL BNA -20	Cool 4 deg C	UNIO02	A22	06/23/2025	8270E
Q2393-07	PARK AVE -4	Solid	SVOC-TCL BNA -20	Cool 4 deg C	UNIO02	A22	06/23/2025	8270E
Q2393-09	PARK AVE -5	Solid	SVOC-TCL BNA -20	Cool 4 deg C	UNIO02	A22	06/23/2025	8270E
Q2393-11	PARK AVE -6	Solid	SVOC-TCL BNA -20	Cool 4 deg C	UNIO02	A22	06/23/2025	8270E
Q2394-01	MH-K/L	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	A21	06/23/2025	8270E
Q2398-03	M00-25-0179	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	A33	06/23/2025	8270E
Q2398-06	ARS20-0036	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	A33	06/23/2025	8270E
Q2399-01	TP-13	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	A41	06/23/2025	8270E
Q2399-05	EP-7	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	A41	06/23/2025	8270E

Date/Time 6/24/25 12:55
Raw Sample Received by: RJ (EXT Lab)
Raw Sample Relinquished by: SM

Date/Time 6/24/25 13:20
Raw Sample Received by: SM
Raw Sample Relinquished by: RJ (EXT Lab)

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LAB CHRONICLE

OrderID:	Q2393	**OrderDate:**	6/23/2025 11:43:58 AM
Client:	Union Paving & Construction Company	**Project:**	190 Park Ave Hanover Twp NJ - PO 3556-001
Contact:	Gerard Busacco	**Location:**	A22,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2393-01	**PARK AVE -1**	**SOIL**			**06/23/25**			**06/23/25**
			SVOC-TCL BNA -20	8270E		06/24/25	06/25/25	
Q2393-03	**PARK AVE -2**	**SOIL**			**06/23/25**			**06/23/25**
			SVOC-TCL BNA -20	8270E		06/24/25	06/25/25	
Q2393-05	**PARK AVE -3**	**SOIL**			**06/23/25**			**06/23/25**
			SVOC-TCL BNA -20	8270E		06/24/25	06/24/25	
Q2393-07	**PARK AVE -4**	**SOIL**			**06/23/25**			**06/23/25**
			SVOC-TCL BNA -20	8270E		06/24/25	06/24/25	
Q2393-09	**PARK AVE -5**	**SOIL**			**06/23/25**			**06/23/25**
			SVOC-TCL BNA -20	8270E		06/24/25	06/24/25	
Q2393-11	**PARK AVE -6**	**SOIL**			**06/23/25**			**06/23/25**
			SVOC-TCL BNA -20	8270E		06/24/25	06/24/25	

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Hit Summary Sheet
SW-846

SDG No.: Q2393 **Order ID:** Q2393

Client: Union Paving & Construction Company **Project ID:** 190 Park Ave Hanover Twp NJ - PO 3

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : PARK AVE -3								
Q2393-05	PARK AVE -3	SOIL	4,4-DDE	0.45	JP	0.16	2.00	ug/kg
Q2393-05	PARK AVE -3	SOIL	4,4-DDD	0.70	JP	0.17	2.00	ug/kg
Q2393-05	PARK AVE -3	SOIL	4,4-DDT	0.53	J	0.16	2.00	ug/kg
Q2393-05	PARK AVE -3	SOIL	alpha-Chlordane	1.10	JP	0.14	2.00	ug/kg
Q2393-05	PARK AVE -3	SOIL	gamma-Chlordane	0.73	J	0.17	2.00	ug/kg
			Total Concentration:	**3.510**				
Client ID : PARK AVE -4								
Q2393-07	PARK AVE -4	SOIL	4,4-DDE	0.27	J	0.16	1.90	ug/kg
Q2393-07	PARK AVE -4	SOIL	4,4-DDT	0.28	J	0.16	1.90	ug/kg
Q2393-07	PARK AVE -4	SOIL	alpha-Chlordane	0.55	JP	0.14	1.90	ug/kg
Q2393-07	PARK AVE -4	SOIL	gamma-Chlordane	0.25	J	0.17	1.90	ug/kg
			Total Concentration:	**1.350**				
Client ID : PARK AVE -5								
Q2393-09	PARK AVE -5	SOIL	Aldrin	0.19	J	0.13	1.90	ug/kg
Q2393-09	PARK AVE -5	SOIL	4,4-DDE	0.36	J	0.15	1.90	ug/kg
Q2393-09	PARK AVE -5	SOIL	4,4-DDT	0.28	JP	0.15	1.90	ug/kg
Q2393-09	PARK AVE -5	SOIL	alpha-Chlordane	0.56	J	0.13	1.90	ug/kg
Q2393-09	PARK AVE -5	SOIL	gamma-Chlordane	0.35	J	0.16	1.90	ug/kg
			Total Concentration:	**1.740**				
Client ID : PARK AVE -6								
Q2393-11	PARK AVE -6	SOIL	4,4-DDE	0.29	JP	0.16	2.00	ug/kg
Q2393-11	PARK AVE -6	SOIL	4,4-DDT	0.26	J	0.16	2.00	ug/kg
Q2393-11	PARK AVE -6	SOIL	alpha-Chlordane	0.61	J	0.14	2.00	ug/kg
Q2393-11	PARK AVE -6	SOIL	gamma-Chlordane	0.38	JP	0.17	2.00	ug/kg
			Total Concentration:	**1.540**				

SAMPLE DATA

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 3556-001	Date Received:	06/23/25
Client Sample ID:	PARK AVE -1	SDG No.:	Q2393
Lab Sample ID:	Q2393-01	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	83.3 Decanted:
Sample Wt/Vol:	30.05 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089140.D	1	06/25/25 08:45	06/25/25 17:54	PB168608

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.16	U	0.16	2.00	ug/kg
319-85-7	beta-BHC	0.22	U	0.22	2.00	ug/kg
319-86-8	delta-BHC	0.47	U	0.47	2.00	ug/kg
58-89-9	gamma-BHC (Lindane)	0.17	U	0.17	2.00	ug/kg
76-44-8	Heptachlor	0.14	U	0.14	2.00	ug/kg
309-00-2	Aldrin	0.14	U	0.14	2.00	ug/kg
1024-57-3	Heptachlor epoxide	0.23	U	0.23	2.00	ug/kg
959-98-8	Endosulfan I	0.17	U	0.17	2.00	ug/kg
60-57-1	Dieldrin	0.17	U	0.17	2.00	ug/kg
72-55-9	4,4-DDE	0.17	U	0.17	2.00	ug/kg
72-20-8	Endrin	0.17	U	0.17	2.00	ug/kg
33213-65-9	Endosulfan II	0.35	U	0.35	2.00	ug/kg
72-54-8	4,4-DDD	0.18	U	0.18	2.00	ug/kg
1031-07-8	Endosulfan Sulfate	0.16	U	0.16	2.00	ug/kg
50-29-3	4,4-DDT	0.17	U	0.17	2.00	ug/kg
72-43-5	Methoxychlor	0.44	U	0.44	2.00	ug/kg
53494-70-5	Endrin ketone	0.23	U	0.23	2.00	ug/kg
7421-93-4	Endrin aldehyde	0.44	U	0.44	2.00	ug/kg
5103-71-9	alpha-Chlordane	0.14	U	0.14	2.00	ug/kg
5103-74-2	gamma-Chlordane	0.18	U	0.18	2.00	ug/kg
8001-35-2	Toxaphene	6.50	U	6.50	39.5	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	17.6		20 - 144	88%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.9		19 - 148	95%	SPK: 20

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Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 3556-001	Date Received:	06/23/25
Client Sample ID:	PARK AVE -1	SDG No.:	Q2393
Lab Sample ID:	Q2393-01	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	83.3 Decanted:
Sample Wt/Vol:	30.05 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089140.D	1	06/25/25 08:45	06/25/25 17:54	PB168608

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

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Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 3556-001	Date Received:	06/23/25
Client Sample ID:	PARK AVE -2	SDG No.:	Q2393
Lab Sample ID:	Q2393-03	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	83.5 Decanted:
Sample Wt/Vol:	30.02 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089143.D	1	06/25/25 08:45	06/25/25 18:35	PB168608

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.16	U	0.16	2.00	ug/kg
319-85-7	beta-BHC	0.22	U	0.22	2.00	ug/kg
319-86-8	delta-BHC	0.47	U	0.47	2.00	ug/kg
58-89-9	gamma-BHC (Lindane)	0.17	U	0.17	2.00	ug/kg
76-44-8	Heptachlor	0.14	U	0.14	2.00	ug/kg
309-00-2	Aldrin	0.14	U	0.14	2.00	ug/kg
1024-57-3	Heptachlor epoxide	0.23	U	0.23	2.00	ug/kg
959-98-8	Endosulfan I	0.17	U	0.17	2.00	ug/kg
60-57-1	Dieldrin	0.17	U	0.17	2.00	ug/kg
72-55-9	4,4-DDE	0.17	U	0.17	2.00	ug/kg
72-20-8	Endrin	0.17	U	0.17	2.00	ug/kg
33213-65-9	Endosulfan II	0.35	U	0.35	2.00	ug/kg
72-54-8	4,4-DDD	0.18	U	0.18	2.00	ug/kg
1031-07-8	Endosulfan Sulfate	0.16	U	0.16	2.00	ug/kg
50-29-3	4,4-DDT	0.17	U	0.17	2.00	ug/kg
72-43-5	Methoxychlor	0.44	U	0.44	2.00	ug/kg
53494-70-5	Endrin ketone	0.23	U	0.23	2.00	ug/kg
7421-93-4	Endrin aldehyde	0.44	U	0.44	2.00	ug/kg
5103-71-9	alpha-Chlordane	0.14	U	0.14	2.00	ug/kg
5103-74-2	gamma-Chlordane	0.18	U	0.18	2.00	ug/kg
8001-35-2	Toxaphene	6.50	U	6.50	39.5	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	15.8		20 - 144	79%	SPK: 20
877-09-8	Tetrachloro-m-xylene	17.5		19 - 148	87%	SPK: 20

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Fax : 908 789 8922

Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 3556-001	Date Received:	06/23/25
Client Sample ID:	PARK AVE -2	SDG No.:	Q2393
Lab Sample ID:	Q2393-03	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	83.5 Decanted:
Sample Wt/Vol:	30.02 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089143.D	1	06/25/25 08:45	06/25/25 18:35	PB168608

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

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Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 3556-001	Date Received:	06/23/25
Client Sample ID:	PARK AVE -3	SDG No.:	Q2393
Lab Sample ID:	Q2393-05	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	86.6 Decanted:
Sample Wt/Vol:	30.06 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089147.D	1	06/25/25 08:45	06/25/25 19:57	PB168608

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.15	U	0.15	2.00	ug/kg
319-85-7	beta-BHC	0.21	U	0.21	2.00	ug/kg
319-86-8	delta-BHC	0.45	U	0.45	2.00	ug/kg
58-89-9	gamma-BHC (Lindane)	0.16	U	0.16	2.00	ug/kg
76-44-8	Heptachlor	0.14	U	0.14	2.00	ug/kg
309-00-2	Aldrin	0.14	U	0.14	2.00	ug/kg
1024-57-3	Heptachlor epoxide	0.22	U	0.22	2.00	ug/kg
959-98-8	Endosulfan I	0.16	U	0.16	2.00	ug/kg
60-57-1	Dieldrin	0.16	U	0.16	2.00	ug/kg
72-55-9	4,4-DDE	0.45	JP	0.16	2.00	ug/kg
72-20-8	Endrin	0.16	U	0.16	2.00	ug/kg
33213-65-9	Endosulfan II	0.33	U	0.33	2.00	ug/kg
72-54-8	4,4-DDD	0.70	JP	0.17	2.00	ug/kg
1031-07-8	Endosulfan Sulfate	0.15	U	0.15	2.00	ug/kg
50-29-3	4,4-DDT	0.53	J	0.16	2.00	ug/kg
72-43-5	Methoxychlor	0.43	U	0.43	2.00	ug/kg
53494-70-5	Endrin ketone	0.22	U	0.22	2.00	ug/kg
7421-93-4	Endrin aldehyde	0.43	U	0.43	2.00	ug/kg
5103-71-9	alpha-Chlordane	1.10	JP	0.14	2.00	ug/kg
5103-74-2	gamma-Chlordane	0.73	J	0.17	2.00	ug/kg
8001-35-2	Toxaphene	6.20	U	6.20	38.0	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	14.5		20 - 144	72%	SPK: 20
877-09-8	Tetrachloro-m-xylene	15.9		19 - 148	79%	SPK: 20

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Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 3556-001	Date Received:	06/23/25
Client Sample ID:	PARK AVE -3	SDG No.:	Q2393
Lab Sample ID:	Q2393-05	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	86.6 Decanted:
Sample Wt/Vol:	30.06 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089147.D	1	06/25/25 08:45	06/25/25 19:57	PB168608

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

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Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 3556-001	Date Received:	06/23/25
Client Sample ID:	PARK AVE -4	SDG No.:	Q2393
Lab Sample ID:	Q2393-07	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	87.7 Decanted:
Sample Wt/Vol:	30.03 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089148.D	1	06/25/25 08:45	06/25/25 20:10	PB168608

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.15	U	0.15	1.90	ug/kg
319-85-7	beta-BHC	0.21	U	0.21	1.90	ug/kg
319-86-8	delta-BHC	0.44	U	0.44	1.90	ug/kg
58-89-9	gamma-BHC (Lindane)	0.16	U	0.16	1.90	ug/kg
76-44-8	Heptachlor	0.14	U	0.14	1.90	ug/kg
309-00-2	Aldrin	0.14	U	0.14	1.90	ug/kg
1024-57-3	Heptachlor epoxide	0.22	U	0.22	1.90	ug/kg
959-98-8	Endosulfan I	0.16	U	0.16	1.90	ug/kg
60-57-1	Dieldrin	0.16	U	0.16	1.90	ug/kg
72-55-9	4,4-DDE	0.27	J	0.16	1.90	ug/kg
72-20-8	Endrin	0.16	U	0.16	1.90	ug/kg
33213-65-9	Endosulfan II	0.33	U	0.33	1.90	ug/kg
72-54-8	4,4-DDD	0.17	U	0.17	1.90	ug/kg
1031-07-8	Endosulfan Sulfate	0.15	U	0.15	1.90	ug/kg
50-29-3	4,4-DDT	0.28	J	0.16	1.90	ug/kg
72-43-5	Methoxychlor	0.42	U	0.42	1.90	ug/kg
53494-70-5	Endrin ketone	0.22	U	0.22	1.90	ug/kg
7421-93-4	Endrin aldehyde	0.42	U	0.42	1.90	ug/kg
5103-71-9	alpha-Chlordane	0.55	JP	0.14	1.90	ug/kg
5103-74-2	gamma-Chlordane	0.25	J	0.17	1.90	ug/kg
8001-35-2	Toxaphene	6.20	U	6.20	37.6	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	11.1		20 - 144	56%	SPK: 20
877-09-8	Tetrachloro-m-xylene	12.5		19 - 148	63%	SPK: 20

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Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 3556-001	Date Received:	06/23/25
Client Sample ID:	PARK AVE -4	SDG No.:	Q2393
Lab Sample ID:	Q2393-07	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	87.7 Decanted:
Sample Wt/Vol:	30.03 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089148.D	1	06/25/25 08:45	06/25/25 20:10	PB168608

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
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D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 3556-001	Date Received:	06/23/25
Client Sample ID:	PARK AVE -5	SDG No.:	Q2393
Lab Sample ID:	Q2393-09	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	91.3 Decanted:
Sample Wt/Vol:	30.01 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089149.D	1	06/25/25 08:45	06/25/25 20:24	PB168608

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.14	U	0.14	1.90	ug/kg
319-85-7	beta-BHC	0.20	U	0.20	1.90	ug/kg
319-86-8	delta-BHC	0.43	U	0.43	1.90	ug/kg
58-89-9	gamma-BHC (Lindane)	0.15	U	0.15	1.90	ug/kg
76-44-8	Heptachlor	0.13	U	0.13	1.90	ug/kg
309-00-2	Aldrin	0.19	J	0.13	1.90	ug/kg
1024-57-3	Heptachlor epoxide	0.21	U	0.21	1.90	ug/kg
959-98-8	Endosulfan I	0.15	U	0.15	1.90	ug/kg
60-57-1	Dieldrin	0.15	U	0.15	1.90	ug/kg
72-55-9	4,4-DDE	0.36	J	0.15	1.90	ug/kg
72-20-8	Endrin	0.15	U	0.15	1.90	ug/kg
33213-65-9	Endosulfan II	0.32	U	0.32	1.90	ug/kg
72-54-8	4,4-DDD	0.16	U	0.16	1.90	ug/kg
1031-07-8	Endosulfan Sulfate	0.14	U	0.14	1.90	ug/kg
50-29-3	4,4-DDT	0.28	JP	0.15	1.90	ug/kg
72-43-5	Methoxychlor	0.41	U	0.41	1.90	ug/kg
53494-70-5	Endrin ketone	0.21	U	0.21	1.90	ug/kg
7421-93-4	Endrin aldehyde	0.41	U	0.41	1.90	ug/kg
5103-71-9	alpha-Chlordane	0.56	J	0.13	1.90	ug/kg
5103-74-2	gamma-Chlordane	0.35	J	0.16	1.90	ug/kg
8001-35-2	Toxaphene	5.90	U	5.90	36.1	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	9.08		20 - 144	45%	SPK: 20
877-09-8	Tetrachloro-m-xylene	10.7		19 - 148	54%	SPK: 20

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Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 3556-001	Date Received:	06/23/25
Client Sample ID:	PARK AVE -5	SDG No.:	Q2393
Lab Sample ID:	Q2393-09	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	91.3 Decanted:
Sample Wt/Vol:	30.01 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089149.D	1	06/25/25 08:45	06/25/25 20:24	PB168608

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

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Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 3556-001	Date Received:	06/23/25
Client Sample ID:	PARK AVE -6	SDG No.:	Q2393
Lab Sample ID:	Q2393-11	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	86.8 Decanted:
Sample Wt/Vol:	30.08 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089150.D	1	06/25/25 08:45	06/25/25 20:37	PB168608

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.15	U	0.15	2.00	ug/kg
319-85-7	beta-BHC	0.21	U	0.21	2.00	ug/kg
319-86-8	delta-BHC	0.45	U	0.45	2.00	ug/kg
58-89-9	gamma-BHC (Lindane)	0.16	U	0.16	2.00	ug/kg
76-44-8	Heptachlor	0.14	U	0.14	2.00	ug/kg
309-00-2	Aldrin	0.14	U	0.14	2.00	ug/kg
1024-57-3	Heptachlor epoxide	0.22	U	0.22	2.00	ug/kg
959-98-8	Endosulfan I	0.16	U	0.16	2.00	ug/kg
60-57-1	Dieldrin	0.16	U	0.16	2.00	ug/kg
72-55-9	4,4-DDE	0.29	JP	0.16	2.00	ug/kg
72-20-8	Endrin	0.16	U	0.16	2.00	ug/kg
33213-65-9	Endosulfan II	0.33	U	0.33	2.00	ug/kg
72-54-8	4,4-DDD	0.17	U	0.17	2.00	ug/kg
1031-07-8	Endosulfan Sulfate	0.15	U	0.15	2.00	ug/kg
50-29-3	4,4-DDT	0.26	J	0.16	2.00	ug/kg
72-43-5	Methoxychlor	0.43	U	0.43	2.00	ug/kg
53494-70-5	Endrin ketone	0.22	U	0.22	2.00	ug/kg
7421-93-4	Endrin aldehyde	0.43	U	0.43	2.00	ug/kg
5103-71-9	alpha-Chlordane	0.61	J	0.14	2.00	ug/kg
5103-74-2	gamma-Chlordane	0.38	JP	0.17	2.00	ug/kg
8001-35-2	Toxaphene	6.20	U	6.20	37.9	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	10.4		20 - 144	52%	SPK: 20
877-09-8	Tetrachloro-m-xylene	11.1		19 - 148	55%	SPK: 20

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Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 3556-001	Date Received:	06/23/25
Client Sample ID:	PARK AVE -6	SDG No.:	Q2393
Lab Sample ID:	Q2393-11	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	86.8 Decanted:
Sample Wt/Vol:	30.08 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089150.D	1	06/25/25 08:45	06/25/25 20:37	PB168608

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

QC SUMMARY

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Surrogate Summary

SDG No.: Q2393

Client: Union Paving & Construction Company

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%) Low	Limits(%) High
I.BLK-PD088990.D	PIBLK-PD088990.D	Decachlorobiphen	1	20	18.2	91		57	171
		Tetrachloro-m-xyl	1	20	16.1	80		61	148
		Decachlorobiphen	2	20	18.6	93		57	171
		Tetrachloro-m-xyl	2	20	17.7	88		61	148
I.BLK-PD089133.D	PIBLK-PD089133.D	Decachlorobiphen	1	20	19.9	100		57	171
		Tetrachloro-m-xyl	1	20	19.2	96		61	148
		Decachlorobiphen	2	20	20.8	104		57	171
		Tetrachloro-m-xyl	2	20	21.0	105		61	148
PB168608BL	PB168608BL	Decachlorobiphen	1	20	18.8	94		20	144
		Tetrachloro-m-xyl	1	20	17.1	86		19	148
		Decachlorobiphen	2	20	19.3	96		20	144
		Tetrachloro-m-xyl	2	20	18.8	94		19	148
PB168608BS	PB168608BS	Decachlorobiphen	1	20	23.6	118		20	144
		Tetrachloro-m-xyl	1	20	21.2	106		19	148
		Decachlorobiphen	2	20	24.3	121		20	144
		Tetrachloro-m-xyl	2	20	23.2	116		19	148
Q2393-01	PARK AVE -1	Decachlorobiphen	1	20	17.6	88		20	144
		Tetrachloro-m-xyl	1	20	17.8	89		19	148
		Decachlorobiphen	2	20	16.4	82		20	144
		Tetrachloro-m-xyl	2	20	18.9	95		19	148
Q2393-01MS	PARK AVE -1MS	Decachlorobiphen	1	20	16.5	82		20	144
		Tetrachloro-m-xyl	1	20	15.3	77		19	148
		Decachlorobiphen	2	20	15.6	78		20	144
		Tetrachloro-m-xyl	2	20	17.1	86		19	148
Q2393-01MSD	PARK AVE -1MSD	Decachlorobiphen	1	20	16.4	82		20	144
		Tetrachloro-m-xyl	1	20	15.5	77		19	148
		Decachlorobiphen	2	20	16.0	80		20	144
		Tetrachloro-m-xyl	2	20	17.2	86		19	148
Q2393-03	PARK AVE -2	Decachlorobiphen	1	20	15.8	79		20	144
		Tetrachloro-m-xyl	1	20	16.6	83		19	148
		Decachlorobiphen	2	20	15.8	79		20	144
		Tetrachloro-m-xyl	2	20	17.5	87		19	148
I.BLK-PD089144.D	PIBLK-PD089144.D	Decachlorobiphen	1	20	20.7	104		57	171
		Tetrachloro-m-xyl	1	20	19.6	98		61	148
		Decachlorobiphen	2	20	20.8	104		57	171
		Tetrachloro-m-xyl	2	20	21.0	105		61	148
Q2393-05	PARK AVE -3	Decachlorobiphen	1	20	14.5	72		20	144
		Tetrachloro-m-xyl	1	20	15.1	76		19	148
		Decachlorobiphen	2	20	13.2	66		20	144
		Tetrachloro-m-xyl	2	20	15.9	79		19	148
Q2393-07	PARK AVE -4	Decachlorobiphen	1	20	11.1	56		20	144

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Surrogate Summary

SDG No.: Q2393

Client: Union Paving & Construction Company

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%) Low	Limits(%) High
Q2393-07	PARK AVE -4	Tetrachloro-m-xyl	1	20	11.8	59		19	148
		Decachlorobiphen	2	20	9.59	48		20	144
		Tetrachloro-m-xyl	2	20	12.5	63		19	148
Q2393-09	PARK AVE -5	Decachlorobiphen	1	20	9.08	45		20	144
		Tetrachloro-m-xyl	1	20	10.2	51		19	148
		Decachlorobiphen	2	20	8.44	42		20	144
		Tetrachloro-m-xyl	2	20	10.7	54		19	148
Q2393-11	PARK AVE -6	Decachlorobiphen	1	20	10.4	52		20	144
		Tetrachloro-m-xyl	1	20	10.5	52		19	148
		Decachlorobiphen	2	20	8.52	43		20	144
		Tetrachloro-m-xyl	2	20	11.1	55		19	148
I.BLK-PD089154.D	PIBLK-PD089154.D	Decachlorobiphen	1	20	15.6	78		57	171
		Tetrachloro-m-xyl	1	20	17.6	88		61	148
		Decachlorobiphen	2	20	10.8	54	*	57	171
		Tetrachloro-m-xyl	2	20	21.2	106		61	148

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2393 **Analytical Method:** 8081B

Client: Union Paving & Construction Company **DataFile :** PD089141.D

	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID:	**Q2393-01MS (Column 1)**	**Client Sample ID:**		**PARK AVE -1MS**								
	alpha-BHC	19.98	0	18.0	ug/kg	90				60	144	
	beta-BHC	19.98	0	17.3	ug/kg	87				54	143	
	delta-BHC	19.98	0	18.8	ug/kg	94				29	151	
	gamma-BHC (Lindane)	19.98	0	18.0	ug/kg	90				61	140	
	Heptachlor	19.98	0	17.3	ug/kg	87				63	135	
	Aldrin	19.98	0	17.8	ug/kg	89				49	139	
	Heptachlor epoxide	19.98	0	17.4	ug/kg	87				41	156	
	Endosulfan I	19.98	0	17.3	ug/kg	87				56	142	
	Dieldrin	19.98	0	17.4	ug/kg	87				47	161	
	4,4'-DDE	19.98	0	17.1	ug/kg	86				55	136	
	Endrin	19.98	0	16.6	ug/kg	83				57	139	
	Endosulfan II	19.98	0	16.6	ug/kg	83				40	163	
	4,4'-DDD	19.98	0	17.6	ug/kg	88				47	163	
	Endosulfan sulfate	19.98	0	16.7	ug/kg	84				62	139	
	4,4'-DDT	19.98	0	15.8	ug/kg	79				51	146	
	Methoxychlor	19.98	0	15.6	ug/kg	78				54	136	
	Endrin ketone	19.98	0	17.0	ug/kg	85				60	129	
	Endrin aldehyde	19.98	0	17.2	ug/kg	86				59	132	
	alpha-Chlordane	19.98	0	17.3	ug/kg	87				39	166	
	gamma-Chlordane	19.98	0	17.1	ug/kg	86				44	175	
Lab Sample ID:	**Q2393-01MS (Column 2)**	**Client Sample ID:**		**PARK AVE -1MS**								
	alpha-BHC	19.98	0	18.0	ug/kg	90				60	144	
	beta-BHC	19.98	0	17.7	ug/kg	89				54	143	
	delta-BHC	19.98	0	18.0	ug/kg	90				29	151	
	gamma-BHC (Lindane)	19.98	0	18.0	ug/kg	90				61	140	
	Heptachlor	19.98	0	17.4	ug/kg	87				63	135	
	Aldrin	19.98	0	17.9	ug/kg	90				49	139	
	Heptachlor epoxide	19.98	0	17.6	ug/kg	88				41	156	
	Endosulfan I	19.98	0	17.6	ug/kg	88				56	142	
	Dieldrin	19.98	0	17.5	ug/kg	88				47	161	
	4,4'-DDE	19.98	0	17.3	ug/kg	87				55	136	
	Endrin	19.98	0	17.4	ug/kg	87				57	139	
	Endosulfan II	19.98	0	16.9	ug/kg	85				40	163	
	4,4'-DDD	19.98	0	17.3	ug/kg	87				47	163	
	Endosulfan sulfate	19.98	0	16.6	ug/kg	83				62	139	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2393 **Analytical Method:** 8081B

Client: Union Paving & Construction Company **DataFile :** PD089141.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
4,4'-DDT	19.98	0	16.0	ug/kg	80				51	146	
Methoxychlor	19.98	0	15.4	ug/kg	77				54	136	
Endrin ketone	19.98	0	16.4	ug/kg	82				60	129	
Endrin aldehyde	19.98	0	16.8	ug/kg	84				59	132	
alpha-Chlordane	19.98	0	17.6	ug/kg	88				39	166	
gamma-Chlordane	19.98	0	17.6	ug/kg	88				44	175	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2393 **Analytical Method:** 8081B

Client: Union Paving & Construction Company **DataFile :** PD089142.D

	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID:	**Q2393-01MSD (Column 1)**	**Client Sample ID:**		**PARK AVE -1MSD**								
	alpha-BHC	19.94	0	17.9	ug/kg	90		0		60	144	20
	beta-BHC	19.94	0	17.5	ug/kg	88		1		54	143	20
	delta-BHC	19.94	0	18.8	ug/kg	94		0		29	151	20
	gamma-BHC (Lindane)	19.94	0	17.9	ug/kg	90		0		61	140	20
	Heptachlor	19.94	0	17.4	ug/kg	87		0		63	135	20
	Aldrin	19.94	0	17.8	ug/kg	89		0		49	139	20
	Heptachlor epoxide	19.94	0	17.4	ug/kg	87		0		41	156	20
	Endosulfan I	19.94	0	17.6	ug/kg	88		1		56	142	20
	Dieldrin	19.94	0	17.4	ug/kg	87		0		47	161	20
	4,4'-DDE	19.94	0	17.5	ug/kg	88		2		55	136	20
	Endrin	19.94	0	17.2	ug/kg	86		4		57	139	20
	Endosulfan II	19.94	0	16.7	ug/kg	84		1		40	163	20
	4,4'-DDD	19.94	0	17.8	ug/kg	89		1		47	163	20
	Endosulfan sulfate	19.94	0	16.9	ug/kg	85		1		62	139	20
	4,4'-DDT	19.94	0	16.1	ug/kg	81		3		51	146	20
	Methoxychlor	19.94	0	15.7	ug/kg	79		1		54	136	20
	Endrin ketone	19.94	0	17.1	ug/kg	86		1		60	129	20
	Endrin aldehyde	19.94	0	17.4	ug/kg	87		1		59	132	20
	alpha-Chlordane	19.94	0	17.5	ug/kg	88		1		39	166	20
	gamma-Chlordane	19.94	0	17.2	ug/kg	86		0		44	175	20
Lab Sample ID:	**Q2393-01MSD (Column 2)**	**Client Sample ID:**		**PARK AVE -1MSD**								
	alpha-BHC	19.94	0	18.0	ug/kg	90		0		60	144	20
	beta-BHC	19.94	0	17.8	ug/kg	89		0		54	143	20
	delta-BHC	19.94	0	17.9	ug/kg	90		0		29	151	20
	gamma-BHC (Lindane)	19.94	0	18.0	ug/kg	90		0		61	140	20
	Heptachlor	19.94	0	17.4	ug/kg	87		0		63	135	20
	Aldrin	19.94	0	17.9	ug/kg	90		0		49	139	20
	Heptachlor epoxide	19.94	0	17.7	ug/kg	89		1		41	156	20
	Endosulfan I	19.94	0	17.7	ug/kg	89		1		56	142	20
	Dieldrin	19.94	0	17.5	ug/kg	88		0		47	161	20
	4,4'-DDE	19.94	0	17.4	ug/kg	87		0		55	136	20
	Endrin	19.94	0	17.0	ug/kg	85		2		57	139	20
	Endosulfan II	19.94	0	17.1	ug/kg	86		1		40	163	20
	4,4'-DDD	19.94	0	16.7	ug/kg	84		4		47	163	20
	Endosulfan sulfate	19.94	0	16.8	ug/kg	84		1		62	139	20

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2393 **Analytical Method:** 8081B

Client: Union Paving & Construction Company **DataFile :** PD089142.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
4,4'-DDT	19.94	0	16.3	ug/kg	82		2		51	146	20
Methoxychlor	19.94	0	15.7	ug/kg	79		3		54	136	20
Endrin ketone	19.94	0	16.7	ug/kg	84		2		60	129	20
Endrin aldehyde	19.94	0	17.1	ug/kg	86		2		59	132	20
alpha-Chlordane	19.94	0	17.6	ug/kg	88		0		39	166	20
gamma-Chlordane	19.94	0	17.7	ug/kg	89		1		44	175	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2393 **Analytical Method:** 8081B

Client: Union Paving & Construction Company **Datafile :** PD089137.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB168608BS (Column 1)	alpha-BHC	16.65	16.1	ug/kg	97				84	123	
	beta-BHC	16.65	15.5	ug/kg	93				82	123	
	delta-BHC	16.65	17.0	ug/kg	102				83	126	
	gamma-BHC (Lindane)	16.65	16.0	ug/kg	96				83	125	
	Heptachlor	16.65	15.8	ug/kg	95				83	122	
	Aldrin	16.65	16.3	ug/kg	98				82	124	
	Heptachlor epoxide	16.65	16.0	ug/kg	96				83	120	
	Endosulfan I	16.65	16.1	ug/kg	97				81	124	
	Dieldrin	16.65	16.2	ug/kg	97				85	121	
	4,4'-DDE	16.65	16.2	ug/kg	97				81	123	
	Endrin	16.65	15.2	ug/kg	91				76	130	
	Endosulfan II	16.65	16.3	ug/kg	98				80	125	
	4,4'-DDD	16.65	16.6	ug/kg	100				80	131	
	Endosulfan sulfate	16.65	16.0	ug/kg	96				81	122	
	4,4'-DDT	16.65	15.1	ug/kg	91				70	129	
	Methoxychlor	16.65	14.3	ug/kg	86				60	119	
	Endrin ketone	16.65	16.4	ug/kg	98				77	132	
	Endrin aldehyde	16.65	15.9	ug/kg	95				79	124	
	alpha-Chlordane	16.65	16.0	ug/kg	96				84	120	
	gamma-Chlordane	16.65	16.1	ug/kg	97				83	122	
PB168608BS (Column 2)	alpha-BHC	16.65	16.2	ug/kg	97				84	123	
	beta-BHC	16.65	16.0	ug/kg	96				82	123	
	delta-BHC	16.65	16.3	ug/kg	98				83	126	
	gamma-BHC (Lindane)	16.65	16.2	ug/kg	97				83	125	
	Heptachlor	16.65	15.7	ug/kg	94				83	122	
	Aldrin	16.65	16.3	ug/kg	98				82	124	
	Heptachlor epoxide	16.65	16.2	ug/kg	97				83	120	
	Endosulfan I	16.65	16.3	ug/kg	98				81	124	
	Dieldrin	16.65	16.1	ug/kg	97				85	121	
	4,4'-DDE	16.65	16.1	ug/kg	97				81	123	
	Endrin	16.65	15.0	ug/kg	90				76	130	
	Endosulfan II	16.65	16.0	ug/kg	96				80	125	
	4,4'-DDD	16.65	16.6	ug/kg	100				80	131	
	Endosulfan sulfate	16.65	15.9	ug/kg	95				81	122	
	4,4'-DDT	16.65	15.0	ug/kg	90				70	129	
	Methoxychlor	16.65	14.7	ug/kg	88				60	119	
	Endrin ketone	16.65	16.3	ug/kg	98				77	132	
	Endrin aldehyde	16.65	15.8	ug/kg	95				79	124	
	alpha-Chlordane	16.65	16.1	ug/kg	97				84	120	
	gamma-Chlordane	16.65	16.3	ug/kg	98				83	122	

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4C

PESTICIDE METHOD BLANK SUMMARY

Client ID: PB168608BL

Lab Name: Alliance | Contract: UNIO02

Lab Code: ACE | SDG NO.: Q2393

Lab Sample ID: PB168608BL | Lab File ID: PD089136.D

Matrix: (soil/water) Solid | Extraction: (Type) SOXH

Sulfur Cleanup: (Y/N) N | Date Extracted: 06/25/2025

Date Analyzed (1): 06/25/2025 | Date Analyzed (2): 06/25/2025

Time Analyzed (1): 16:59 | Time Analyzed (2): 16:59

Instrument ID (1): ECD_D | Instrument ID (2): ECD_D

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
PB168608BS	PB168608BS	PD089137.D	06/25/2025	06/25/2025
PARK AVE -1	Q2393-01	PD089140.D	06/25/2025	06/25/2025
PARK AVE -1MS	Q2393-01MS	PD089141.D	06/25/2025	06/25/2025
PARK AVE -1MSD	Q2393-01MSD	PD089142.D	06/25/2025	06/25/2025
PARK AVE -2	Q2393-03	PD089143.D	06/25/2025	06/25/2025
PARK AVE -3	Q2393-05	PD089147.D	06/25/2025	06/25/2025
PARK AVE -4	Q2393-07	PD089148.D	06/25/2025	06/25/2025
PARK AVE -5	Q2393-09	PD089149.D	06/25/2025	06/25/2025
PARK AVE -6	Q2393-11	PD089150.D	06/25/2025	06/25/2025

COMMENTS:

QC SAMPLE DATA

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Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	
Project:	190 Park Ave Hanover Twp NJ - PO 3556-001	Date Received:	
Client Sample ID:	PB168608BL	SDG No.:	Q2393
Lab Sample ID:	PB168608BL	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	100 Decanted:
Sample Wt/Vol:	30.01 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089136.D	1	06/25/25 08:45	06/25/25 16:59	PB168608

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.13	U	0.13	1.70	ug/kg
319-85-7	beta-BHC	0.18	U	0.18	1.70	ug/kg
319-86-8	delta-BHC	0.39	U	0.39	1.70	ug/kg
58-89-9	gamma-BHC (Lindane)	0.14	U	0.14	1.70	ug/kg
76-44-8	Heptachlor	0.12	U	0.12	1.70	ug/kg
309-00-2	Aldrin	0.12	U	0.12	1.70	ug/kg
1024-57-3	Heptachlor epoxide	0.19	U	0.19	1.70	ug/kg
959-98-8	Endosulfan I	0.14	U	0.14	1.70	ug/kg
60-57-1	Dieldrin	0.14	U	0.14	1.70	ug/kg
72-55-9	4,4-DDE	0.14	U	0.14	1.70	ug/kg
72-20-8	Endrin	0.14	U	0.14	1.70	ug/kg
33213-65-9	Endosulfan II	0.29	U	0.29	1.70	ug/kg
72-54-8	4,4-DDD	0.15	U	0.15	1.70	ug/kg
1031-07-8	Endosulfan Sulfate	0.13	U	0.13	1.70	ug/kg
50-29-3	4,4-DDT	0.14	U	0.14	1.70	ug/kg
72-43-5	Methoxychlor	0.37	U	0.37	1.70	ug/kg
53494-70-5	Endrin ketone	0.19	U	0.19	1.70	ug/kg
7421-93-4	Endrin aldehyde	0.37	U	0.37	1.70	ug/kg
5103-71-9	alpha-Chlordane	0.12	U	0.12	1.70	ug/kg
5103-74-2	gamma-Chlordane	0.15	U	0.15	1.70	ug/kg
8001-35-2	Toxaphene	5.40	U	5.40	33.0	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	19.3		20 - 144	96%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.8		19 - 148	94%	SPK: 20

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Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	
Project:	190 Park Ave Hanover Twp NJ - PO 3556-001	Date Received:	
Client Sample ID:	PB168608BL	SDG No.:	Q2393
Lab Sample ID:	PB168608BL	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	100 Decanted:
Sample Wt/Vol:	30.01 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089136.D	1	06/25/25 08:45	06/25/25 16:59	PB168608

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

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Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/17/25
Project:	190 Park Ave Hanover Twp NJ - PO 3556-001	Date Received:	06/17/25
Client Sample ID:	PIBLK-PD088990.D	SDG No.:	Q2393
Lab Sample ID:	I.BLK-PD088990.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD088990.D	1		06/17/25	PD061825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0039	U	0.0039	0.050	ug/L
319-85-7	beta-BHC	0.0049	U	0.0049	0.050	ug/L
319-86-8	delta-BHC	0.011	U	0.011	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.0037	U	0.0037	0.050	ug/L
76-44-8	Heptachlor	0.0027	U	0.0027	0.050	ug/L
309-00-2	Aldrin	0.0036	U	0.0036	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0096	U	0.0096	0.050	ug/L
959-98-8	Endosulfan I	0.0031	U	0.0031	0.050	ug/L
60-57-1	Dieldrin	0.0036	U	0.0036	0.050	ug/L
72-55-9	4,4-DDE	0.0037	U	0.0037	0.050	ug/L
72-20-8	Endrin	0.0032	U	0.0032	0.050	ug/L
33213-65-9	Endosulfan II	0.0079	U	0.0079	0.050	ug/L
72-54-8	4,4-DDD	0.0071	U	0.0071	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.0037	U	0.0037	0.050	ug/L
50-29-3	4,4-DDT	0.0035	U	0.0035	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.0093	U	0.0093	0.050	ug/L
7421-93-4	Endrin aldehyde	0.011	U	0.011	0.050	ug/L
5103-71-9	alpha-Chlordane	0.0035	U	0.0035	0.050	ug/L
5103-74-2	gamma-Chlordane	0.0039	U	0.0039	0.050	ug/L
8001-35-2	Toxaphene	0.17	U	0.17	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	18.6		57 - 171	93%	SPK: 20
877-09-8	Tetrachloro-m-xylene	17.7		61 - 148	88%	SPK: 20

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Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/17/25
Project:	190 Park Ave Hanover Twp NJ - PO 3556-001	Date Received:	06/17/25
Client Sample ID:	PIBLK-PD088990.D	SDG No.:	Q2393
Lab Sample ID:	I.BLK-PD088990.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD088990.D	1		06/17/25	PD061825

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

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Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/25/25
Project:	190 Park Ave Hanover Twp NJ - PO 3556-001	Date Received:	06/25/25
Client Sample ID:	PIBLK-PD089133.D	SDG No.:	Q2393
Lab Sample ID:	I.BLK-PD089133.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089133.D	1		06/25/25	pd062525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0039	U	0.0039	0.050	ug/L
319-85-7	beta-BHC	0.0049	U	0.0049	0.050	ug/L
319-86-8	delta-BHC	0.011	U	0.011	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.0037	U	0.0037	0.050	ug/L
76-44-8	Heptachlor	0.0027	U	0.0027	0.050	ug/L
309-00-2	Aldrin	0.0036	U	0.0036	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0096	U	0.0096	0.050	ug/L
959-98-8	Endosulfan I	0.0031	U	0.0031	0.050	ug/L
60-57-1	Dieldrin	0.0036	U	0.0036	0.050	ug/L
72-55-9	4,4-DDE	0.0037	U	0.0037	0.050	ug/L
72-20-8	Endrin	0.0032	U	0.0032	0.050	ug/L
33213-65-9	Endosulfan II	0.0079	U	0.0079	0.050	ug/L
72-54-8	4,4-DDD	0.0071	U	0.0071	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.0037	U	0.0037	0.050	ug/L
50-29-3	4,4-DDT	0.0035	U	0.0035	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.0093	U	0.0093	0.050	ug/L
7421-93-4	Endrin aldehyde	0.011	U	0.011	0.050	ug/L
5103-71-9	alpha-Chlordane	0.0035	U	0.0035	0.050	ug/L
5103-74-2	gamma-Chlordane	0.0039	U	0.0039	0.050	ug/L
8001-35-2	Toxaphene	0.17	U	0.17	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	20.8		57 - 171	104%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.0		61 - 148	105%	SPK: 20

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Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/25/25
Project:	190 Park Ave Hanover Twp NJ - PO 3556-001	Date Received:	06/25/25
Client Sample ID:	PIBLK-PD089133.D	SDG No.:	Q2393
Lab Sample ID:	I.BLK-PD089133.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089133.D	1		06/25/25	pd062525

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
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M = MS/MSD acceptance criteria did not meet requirements

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

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Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/25/25
Project:	190 Park Ave Hanover Twp NJ - PO 3556-001	Date Received:	06/25/25
Client Sample ID:	PIBLK-PD089144.D	SDG No.:	Q2393
Lab Sample ID:	I.BLK-PD089144.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089144.D	1		06/25/25	pd062525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0039	U	0.0039	0.050	ug/L
319-85-7	beta-BHC	0.0049	U	0.0049	0.050	ug/L
319-86-8	delta-BHC	0.011	U	0.011	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.0037	U	0.0037	0.050	ug/L
76-44-8	Heptachlor	0.0027	U	0.0027	0.050	ug/L
309-00-2	Aldrin	0.0036	U	0.0036	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0096	U	0.0096	0.050	ug/L
959-98-8	Endosulfan I	0.0031	U	0.0031	0.050	ug/L
60-57-1	Dieldrin	0.0036	U	0.0036	0.050	ug/L
72-55-9	4,4-DDE	0.0037	U	0.0037	0.050	ug/L
72-20-8	Endrin	0.0032	U	0.0032	0.050	ug/L
33213-65-9	Endosulfan II	0.0079	U	0.0079	0.050	ug/L
72-54-8	4,4-DDD	0.0071	U	0.0071	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.0037	U	0.0037	0.050	ug/L
50-29-3	4,4-DDT	0.0035	U	0.0035	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.0093	U	0.0093	0.050	ug/L
7421-93-4	Endrin aldehyde	0.011	U	0.011	0.050	ug/L
5103-71-9	alpha-Chlordane	0.0035	U	0.0035	0.050	ug/L
5103-74-2	gamma-Chlordane	0.0039	U	0.0039	0.050	ug/L
8001-35-2	Toxaphene	0.17	U	0.17	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	20.8		57 - 171	104%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.0		61 - 148	105%	SPK: 20

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Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/25/25
Project:	190 Park Ave Hanover Twp NJ - PO 3556-001	Date Received:	06/25/25
Client Sample ID:	PIBLK-PD089144.D	SDG No.:	Q2393
Lab Sample ID:	I.BLK-PD089144.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089144.D	1		06/25/25	pd062525

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

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Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/25/25
Project:	190 Park Ave Hanover Twp NJ - PO 3556-001	Date Received:	06/25/25
Client Sample ID:	PIBLK-PD089154.D	SDG No.:	Q2393
Lab Sample ID:	I.BLK-PD089154.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089154.D	1		06/25/25	pd062525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0039	U	0.0039	0.050	ug/L
319-85-7	beta-BHC	0.0049	U	0.0049	0.050	ug/L
319-86-8	delta-BHC	0.011	U	0.011	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.0037	U	0.0037	0.050	ug/L
76-44-8	Heptachlor	0.0027	U	0.0027	0.050	ug/L
309-00-2	Aldrin	0.0036	U	0.0036	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0096	U	0.0096	0.050	ug/L
959-98-8	Endosulfan I	0.0031	U	0.0031	0.050	ug/L
60-57-1	Dieldrin	0.0036	U	0.0036	0.050	ug/L
72-55-9	4,4-DDE	0.0037	U	0.0037	0.050	ug/L
72-20-8	Endrin	0.0032	U	0.0032	0.050	ug/L
33213-65-9	Endosulfan II	0.0079	U	0.0079	0.050	ug/L
72-54-8	4,4-DDD	0.0071	U	0.0071	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.0037	U	0.0037	0.050	ug/L
50-29-3	4,4-DDT	0.0035	U	0.0035	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.0093	U	0.0093	0.050	ug/L
7421-93-4	Endrin aldehyde	0.011	U	0.011	0.050	ug/L
5103-71-9	alpha-Chlordane	0.0035	U	0.0035	0.050	ug/L
5103-74-2	gamma-Chlordane	0.0039	U	0.0039	0.050	ug/L
8001-35-2	Toxaphene	0.17	U	0.17	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	15.6		57 - 171	78%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.2		61 - 148	106%	SPK: 20

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Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/25/25
Project:	190 Park Ave Hanover Twp NJ - PO 3556-001	Date Received:	06/25/25
Client Sample ID:	PIBLK-PD089154.D	SDG No.:	Q2393
Lab Sample ID:	I.BLK-PD089154.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089154.D	1		06/25/25	pd062525

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

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Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	
Project:	190 Park Ave Hanover Twp NJ - PO 3556-001	Date Received:	
Client Sample ID:	PB168608BS	SDG No.:	Q2393
Lab Sample ID:	PB168608BS	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	100 Decanted:
Sample Wt/Vol:	30.03 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089137.D	1	06/25/25 08:45	06/25/25 17:13	PB168608

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	16.2		0.13	1.70	ug/kg
319-85-7	beta-BHC	16.0		0.18	1.70	ug/kg
319-86-8	delta-BHC	17.0		0.39	1.70	ug/kg
58-89-9	gamma-BHC (Lindane)	16.2		0.14	1.70	ug/kg
76-44-8	Heptachlor	15.8		0.12	1.70	ug/kg
309-00-2	Aldrin	16.3		0.12	1.70	ug/kg
1024-57-3	Heptachlor epoxide	16.2		0.19	1.70	ug/kg
959-98-8	Endosulfan I	16.3		0.14	1.70	ug/kg
60-57-1	Dieldrin	16.2		0.14	1.70	ug/kg
72-55-9	4,4-DDE	16.2		0.14	1.70	ug/kg
72-20-8	Endrin	15.2		0.14	1.70	ug/kg
33213-65-9	Endosulfan II	16.3		0.29	1.70	ug/kg
72-54-8	4,4-DDD	16.6		0.15	1.70	ug/kg
1031-07-8	Endosulfan Sulfate	16.0		0.13	1.70	ug/kg
50-29-3	4,4-DDT	15.1		0.14	1.70	ug/kg
72-43-5	Methoxychlor	14.7		0.37	1.70	ug/kg
53494-70-5	Endrin ketone	16.4		0.19	1.70	ug/kg
7421-93-4	Endrin aldehyde	15.9		0.37	1.70	ug/kg
5103-71-9	alpha-Chlordane	16.1		0.12	1.70	ug/kg
5103-74-2	gamma-Chlordane	16.3		0.15	1.70	ug/kg
8001-35-2	Toxaphene	5.40	U	5.40	33.0	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	24.3		20 - 144	121%	SPK: 20
877-09-8	Tetrachloro-m-xylene	23.2		19 - 148	116%	SPK: 20

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Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	
Project:	190 Park Ave Hanover Twp NJ - PO 3556-001	Date Received:	
Client Sample ID:	PB168608BS	SDG No.:	Q2393
Lab Sample ID:	PB168608BS	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	100 Decanted:
Sample Wt/Vol:	30.03 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089137.D	1	06/25/25 08:45	06/25/25 17:13	PB168608

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

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Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 3556-001	Date Received:	06/23/25
Client Sample ID:	PARK AVE -1MS	SDG No.:	Q2393
Lab Sample ID:	Q2393-01MS	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	83.3 Decanted:
Sample Wt/Vol:	30.04 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089141.D	1	06/25/25 08:45	06/25/25 18:07	PB168608

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	18.0		0.16	2.00	ug/kg
319-85-7	beta-BHC	17.7		0.22	2.00	ug/kg
319-86-8	delta-BHC	18.8		0.47	2.00	ug/kg
58-89-9	gamma-BHC (Lindane)	18.0		0.17	2.00	ug/kg
76-44-8	Heptachlor	17.4		0.14	2.00	ug/kg
309-00-2	Aldrin	17.9		0.14	2.00	ug/kg
1024-57-3	Heptachlor epoxide	17.6		0.23	2.00	ug/kg
959-98-8	Endosulfan I	17.6		0.17	2.00	ug/kg
60-57-1	Dieldrin	17.5		0.17	2.00	ug/kg
72-55-9	4,4-DDE	17.3		0.17	2.00	ug/kg
72-20-8	Endrin	17.4		0.17	2.00	ug/kg
33213-65-9	Endosulfan II	16.9		0.35	2.00	ug/kg
72-54-8	4,4-DDD	17.6		0.18	2.00	ug/kg
1031-07-8	Endosulfan Sulfate	16.7		0.16	2.00	ug/kg
50-29-3	4,4-DDT	16.0		0.17	2.00	ug/kg
72-43-5	Methoxychlor	15.6		0.44	2.00	ug/kg
53494-70-5	Endrin ketone	17.0		0.23	2.00	ug/kg
7421-93-4	Endrin aldehyde	17.2		0.44	2.00	ug/kg
5103-71-9	alpha-Chlordane	17.6		0.14	2.00	ug/kg
5103-74-2	gamma-Chlordane	17.6		0.18	2.00	ug/kg
8001-35-2	Toxaphene	6.50	U	6.50	39.6	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	16.5		20 - 144	82%	SPK: 20
877-09-8	Tetrachloro-m-xylene	17.1		19 - 148	86%	SPK: 20

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 3556-001	Date Received:	06/23/25
Client Sample ID:	PARK AVE -1MS	SDG No.:	Q2393
Lab Sample ID:	Q2393-01MS	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	83.3 Decanted:
Sample Wt/Vol:	30.04 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089141.D	1	06/25/25 08:45	06/25/25 18:07	PB168608

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

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Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 3556-001	Date Received:	06/23/25
Client Sample ID:	PARK AVE -1MSD	SDG No.:	Q2393
Lab Sample ID:	Q2393-01MSD	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	83.3 Decanted:
Sample Wt/Vol:	30.1 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089142.D	1	06/25/25 08:45	06/25/25 18:21	PB168608

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	18.0		0.16	2.00	ug/kg
319-85-7	beta-BHC	17.8		0.22	2.00	ug/kg
319-86-8	delta-BHC	18.8		0.47	2.00	ug/kg
58-89-9	gamma-BHC (Lindane)	18.0		0.17	2.00	ug/kg
76-44-8	Heptachlor	17.4		0.14	2.00	ug/kg
309-00-2	Aldrin	17.9		0.14	2.00	ug/kg
1024-57-3	Heptachlor epoxide	17.7		0.23	2.00	ug/kg
959-98-8	Endosulfan I	17.7		0.17	2.00	ug/kg
60-57-1	Dieldrin	17.5		0.17	2.00	ug/kg
72-55-9	4,4-DDE	17.5		0.17	2.00	ug/kg
72-20-8	Endrin	17.2		0.17	2.00	ug/kg
33213-65-9	Endosulfan II	17.1		0.35	2.00	ug/kg
72-54-8	4,4-DDD	17.8		0.18	2.00	ug/kg
1031-07-8	Endosulfan Sulfate	16.9		0.16	2.00	ug/kg
50-29-3	4,4-DDT	16.3		0.17	2.00	ug/kg
72-43-5	Methoxychlor	15.7		0.44	2.00	ug/kg
53494-70-5	Endrin ketone	17.1		0.23	2.00	ug/kg
7421-93-4	Endrin aldehyde	17.4		0.44	2.00	ug/kg
5103-71-9	alpha-Chlordane	17.6		0.14	2.00	ug/kg
5103-74-2	gamma-Chlordane	17.7		0.18	2.00	ug/kg
8001-35-2	Toxaphene	6.50	U	6.50	39.5	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	16.4		20 - 144	82%	SPK: 20
877-09-8	Tetrachloro-m-xylene	17.2		19 - 148	86%	SPK: 20

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Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 3556-001	Date Received:	06/23/25
Client Sample ID:	PARK AVE -1MSD	SDG No.:	Q2393
Lab Sample ID:	Q2393-01MSD	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	83.3 Decanted:
Sample Wt/Vol:	30.1 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089142.D	1	06/25/25 08:45	06/25/25 18:21	PB168608

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

CALIBRATION SUMMARY

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

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

Contract: UNIO02
SDG NO.: Q2393
Calibration Date(s): 06/17/2025 06/17/2025
Calibration Times: 15:52 16:47

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

LAB FILE ID: RT 100 = PD088993.D RT 075 = PD088994.D
RT 050 = PD088995.D RT 025 = PD088996.D RT 005 = PD088997.D

COMPOUND	RT 100	RT 075	RT 050	RT 025	RT 005	MEAN RT	RT WINDOW FROM	RT WINDOW TO
4,4'-DDD	6.71	6.70	6.71	6.70	6.70	6.70	6.60	6.80
4,4'-DDE	6.20	6.20	6.20	6.20	6.19	6.20	6.10	6.30
4,4'-DDT	7.02	7.02	7.02	7.02	7.02	7.02	6.92	7.12
Aldrin	5.27	5.27	5.27	5.27	5.27	5.27	5.17	5.37
alpha-BHC	4.00	4.00	4.00	4.00	4.00	4.00	3.90	4.10
alpha-Chlordane	6.03	6.03	6.03	6.03	6.03	6.03	5.93	6.13
beta-BHC	4.52	4.52	4.52	4.52	4.52	4.51	4.41	4.61
Decachlorobiphenyl	9.07	9.07	9.07	9.07	9.07	9.07	8.97	9.17
delta-BHC	4.76	4.76	4.76	4.76	4.76	4.76	4.66	4.86
Dieldrin	6.35	6.35	6.35	6.35	6.35	6.35	6.25	6.45
Endosulfan I	6.07	6.07	6.08	6.07	6.07	6.07	5.97	6.17
Endosulfan II	6.79	6.79	6.79	6.79	6.79	6.79	6.69	6.89
Endosulfan sulfate	7.15	7.15	7.15	7.15	7.15	7.15	7.05	7.25
Endrin	6.57	6.57	6.58	6.57	6.57	6.57	6.47	6.67
Endrin aldehyde	6.92	6.91	6.92	6.91	6.91	6.91	6.81	7.01
Endrin ketone	7.63	7.63	7.63	7.63	7.63	7.63	7.53	7.73
gamma-BHC (Lindane)	4.33	4.33	4.33	4.33	4.33	4.33	4.23	4.43
gamma-Chlordane	5.95	5.95	5.95	5.95	5.95	5.95	5.85	6.05
Heptachlor	4.93	4.93	4.93	4.93	4.93	4.93	4.83	5.03
Heptachlor epoxide	5.69	5.69	5.69	5.69	5.69	5.69	5.59	5.79
Methoxychlor	7.49	7.49	7.49	7.49	7.49	7.49	7.39	7.59
Tetrachloro-m-xylene	3.55	3.55	3.55	3.55	3.55	3.55	3.45	3.65

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RETENTION TIMES OF INITIAL CALIBRATION

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

Contract: UNIO02
SDG NO.: Q2393
Calibration Date(s): 06/17/2025 06/17/2025
Calibration Times: 15:52 16:47

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

LAB FILE ID: RT 100 = PD088993.D RT 075 = PD088994.D
RT 050 = PD088995.D RT 025 = PD088996.D RT 005 = PD088997.D

COMPOUND	RT 100	RT 075	RT 050	RT 025	RT 005	MEAN RT	RT WINDOW FROM	RT WINDOW TO
4,4'-DDD	5.93	5.93	5.93	5.93	5.93	5.93	5.83	6.03
4,4'-DDE	5.38	5.38	5.38	5.38	5.38	5.38	5.28	5.48
4,4'-DDT	6.18	6.18	6.18	6.18	6.18	6.18	6.08	6.28
Aldrin	4.37	4.37	4.37	4.37	4.37	4.37	4.27	4.47
alpha-BHC	3.39	3.39	3.39	3.39	3.39	3.39	3.29	3.49
alpha-Chlordane	5.19	5.19	5.19	5.19	5.19	5.19	5.09	5.29
beta-BHC	4.03	4.03	4.03	4.03	4.03	4.03	3.93	4.13
Decachlorobiphenyl	8.07	8.07	8.07	8.07	8.07	8.07	7.97	8.17
delta-BHC	4.26	4.26	4.26	4.26	4.26	4.26	4.16	4.36
Dieldrin	5.51	5.51	5.51	5.51	5.51	5.51	5.41	5.61
Endosulfan I	5.25	5.25	5.25	5.25	5.25	5.25	5.15	5.35
Endosulfan II	6.08	6.08	6.08	6.08	6.08	6.08	5.98	6.18
Endosulfan sulfate	6.48	6.48	6.48	6.48	6.48	6.48	6.38	6.58
Endrin	5.79	5.79	5.79	5.79	5.79	5.79	5.69	5.89
Endrin aldehyde	6.26	6.26	6.26	6.26	6.26	6.26	6.16	6.36
Endrin ketone	6.99	6.99	6.99	6.99	6.99	6.99	6.89	7.09
gamma-BHC (Lindane)	3.73	3.73	3.73	3.73	3.73	3.73	3.63	3.83
gamma-Chlordane	5.13	5.13	5.13	5.13	5.13	5.13	5.03	5.23
Heptachlor	4.08	4.08	4.08	4.08	4.08	4.08	3.98	4.18
Heptachlor epoxide	4.87	4.87	4.87	4.87	4.87	4.87	4.77	4.97
Methoxychlor	6.76	6.75	6.76	6.75	6.75	6.75	6.65	6.85
Tetrachloro-m-xylene	2.88	2.88	2.88	2.88	2.88	2.88	2.78	2.98

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CALIBRATION FACTOR OF INITIAL CALIBRATION

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

Contract: UNIO02
SDG NO.: Q2393
Calibration Date(s): 06/17/2025 06/17/2025
Calibration Times: 15:52 16:47

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

LAB FILE ID: **CF 100 =** PD088993.D **CF 075 =** PD088994.D
CF 050 = PD088995.D **CF 025 =** PD088996.D **CF 005 =** PD088997.D

COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	3557450000	3439230000	3414120000	3228670000	3520780000	3432050000	4
4,4'-DDE	4564130000	4401240000	4312380000	4092310000	4435110000	4361030000	4
4,4'-DDT	3928430000	3802000000	3763430000	3580670000	3866490000	3788210000	3
Aldrin	5504150000	5312640000	5254800000	4989300000	5504000000	5312980000	4
alpha-BHC	6295370000	6031790000	5874750000	5417910000	5525530000	5829070000	6
alpha-Chlordane	4885060000	4758900000	4734630000	4584390000	5229700000	4838540000	5
beta-BHC	2136750000	2100860000	2137680000	2144670000	2515730000	2207140000	8
Decachlorobiphenyl	3598890000	3628150000	3773200000	3897960000	4739940000	3927630000	12
delta-BHC	5546280000	5292010000	5182350000	4751190000	4892690000	5132900000	6
Dieldrin	4933650000	4797080000	4750270000	4527510000	4978810000	4797470000	4
Endosulfan I	4511200000	4405770000	4412600000	4289200000	4918470000	4507450000	5
Endosulfan II	3829260000	3982180000	4002080000	3816490000	4553000000	4036600000	7
Endosulfan sulfate	3786900000	3718160000	3741600000	3667440000	4271990000	3837220000	6
Endrin	4238140000	4109540000	4096430000	3878120000	4305700000	4125590000	4
Endrin aldehyde	2964260000	2935670000	2964230000	2966830000	3488720000	3063940000	8
Endrin ketone	4050100000	3970810000	4004900000	3895960000	4443590000	4073070000	5
gamma-BHC (Lindane)	5900830000	5686510000	5566590000	5221690000	5532800000	5581680000	4
gamma-Chlordane	4869330000	4801300000	4716110000	4508810000	5045020000	4788110000	4
Heptachlor	5621840000	5429540000	5358570000	5116310000	5733550000	5451960000	4
Heptachlor epoxide	4794850000	4673610000	4749650000	4554690000	5346870000	4823940000	6
Methoxychlor	1926110000	1918890000	1971480000	1982080000	2304580000	2020630000	8
Tetrachloro-m-xylene	2812300000	2762040000	2767280000	2751820000	3172230000	2853130000	6

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CALIBRATION FACTOR OF INITIAL CALIBRATION

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

Contract: UNIO02
SDG NO.: Q2393
Calibration Date(s): 06/17/2025 06/17/2025
Calibration Times: 15:52 16:47

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

LAB FILE ID: CF 100 = PD088993.D CF 075 = PD088994.D
CF 050 = PD088995.D CF 025 = PD088996.D CF 005 = PD088997.D

COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	17754100000	17899700000	18191100000	18805800000	22996200000	19129400000	11
4,4'-DDE	21343500000	21440200000	21823600000	22564100000	27409000000	22916100000	11
4,4'-DDT	19391000000	19327800000	19594100000	20005200000	23078500000	20279300000	8
Aldrin	22719200000	22747700000	23159400000	23852800000	28607200000	24217300000	10
alpha-BHC	25649000000	25438700000	25849200000	26153100000	30895500000	26797100000	9
alpha-Chlordane	21191300000	21145300000	21570900000	22517200000	28059300000	22896800000	13
beta-BHC	9903630000	9918550000	10198200000	10624100000	13086800000	10746200000	12
Decachlorobiphenyl	17946500000	17939700000	18428600000	19427500000	25107500000	19770000000	15
delta-BHC	23614400000	23533700000	23918700000	24298300000	29003000000	24873600000	9
Dieldrin	21438700000	21622000000	22120600000	22941800000	27919200000	23208500000	12
Endosulfan I	19170300000	19201000000	19315500000	20752900000	25772600000	20842500000	14
Endosulfan II	18473200000	18573800000	19087100000	20002300000	24846800000	20196600000	13
Endosulfan sulfate	17925600000	18043500000	18492500000	19409200000	24234500000	19621100000	13
Endrin	20535400000	19906600000	20644700000	21276500000	26206500000	21713900000	12
Endrin aldehyde	13773600000	13920200000	14379400000	15195500000	19287900000	15311300000	15
Endrin ketone	19587400000	19824900000	20446500000	21535300000	26614600000	21601700000	13
gamma-BHC (Lindane)	23622800000	23442000000	23749900000	24221500000	28748400000	24756900000	9
gamma-Chlordane	22229100000	22022500000	22519500000	23493700000	29348800000	23922700000	13
Heptachlor	23291600000	23365200000	23922200000	24716000000	29896800000	25038400000	11
Heptachlor epoxide	20080600000	20251900000	20827300000	21695300000	26635200000	21898100000	12
Methoxychlor	9712450000	9897880000	10259100000	10830900000	13140100000	10768100000	13
Tetrachloro-m-xylene	15879800000	15866400000	15978000000	16730900000	20310700000	16953200000	11

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance **Contract:** UNIO02

Lab Code: ACE **SDG NO.:** Q2393

Instrument ID: ECD_D **Date(s) Analyzed:** 06/17/2025 06/17/2025

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Toxaphene	500	1	6.24	6.14	6.34	33601800
		2	6.44	6.34	6.54	47528600
		3	7.15	7.05	7.25	87292700
		4	7.56	7.46	7.66	111357000
		5	7.93	7.83	8.03	63112600

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance **Contract:** UNIO02

Lab Code: ACE **SDG NO.:** Q2393

Instrument ID: ECD_D **Date(s) Analyzed:** 06/17/2025 06/17/2025

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Toxaphene	500	1	5.47	5.37	5.57	158160000
		2	5.65	5.55	5.75	108820000
		3	6.76	6.66	6.86	511856000
		4	7.20	7.10	7.30	350145000
		5	7.33	7.23	7.43	253920000

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** UNIO02

Lab Code: ACE **SDG NO.:** Q2393

Continuing Calib Date: 06/25/2025 **Initial Calibration Date(s):** 06/17/2025 06/17/2025

Continuing Calib Time: 16:12 **Initial Calibration Time(s):** 15:52 16:47

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.07	9.07	8.97	9.17	0.00
Tetrachloro-m-xylene	3.55	3.55	3.45	3.65	0.00
alpha-BHC	4.00	4.00	3.90	4.10	0.00
beta-BHC	4.52	4.52	4.42	4.62	0.01
delta-BHC	4.76	4.76	4.66	4.86	0.00
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.93	4.93	4.83	5.03	0.00
Aldrin	5.27	5.27	5.17	5.37	0.00
Heptachlor epoxide	5.69	5.69	5.59	5.79	0.00
Endosulfan I	6.07	6.08	5.98	6.18	0.01
Dieldrin	6.35	6.35	6.25	6.45	0.00
4,4'-DDE	6.20	6.20	6.10	6.30	0.00
Endrin	6.58	6.58	6.48	6.68	0.01
Endosulfan II	6.79	6.79	6.69	6.89	0.00
4,4'-DDD	6.71	6.71	6.61	6.81	0.01
Endosulfan sulfate	7.15	7.15	7.05	7.25	0.00
4,4'-DDT	7.02	7.02	6.92	7.12	0.00
Methoxychlor	7.49	7.49	7.39	7.59	0.00
Endrin ketone	7.63	7.63	7.53	7.73	0.00
Endrin aldehyde	6.92	6.92	6.82	7.02	0.01
alpha-Chlordane	6.03	6.03	5.93	6.13	0.00
gamma-Chlordane	5.95	5.95	5.85	6.05	0.00

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** UNIO02

Lab Code: ACE **SDG NO.:** Q2393

Continuing Calib Date: 06/25/2025 **Initial Calibration Date(s):** 06/17/2025 06/17/2025

Continuing Calib Time: 16:12 **Initial Calibration Time(s):** 15:52 16:47

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	8.07	8.07	7.97	8.17	0.00
Tetrachloro-m-xylene	2.88	2.88	2.78	2.98	0.00
alpha-BHC	3.39	3.39	3.29	3.49	0.00
beta-BHC	4.03	4.03	3.93	4.13	0.00
delta-BHC	4.26	4.26	4.16	4.36	0.00
gamma-BHC (Lindane)	3.73	3.73	3.63	3.83	0.00
Heptachlor	4.08	4.08	3.98	4.18	0.00
Aldrin	4.37	4.37	4.27	4.47	0.00
Heptachlor epoxide	4.87	4.87	4.77	4.97	0.00
Endosulfan I	5.25	5.25	5.15	5.35	0.00
Dieldrin	5.51	5.51	5.41	5.61	0.00
4,4'-DDE	5.38	5.38	5.28	5.48	0.00
Endrin	5.79	5.79	5.69	5.89	0.00
Endosulfan II	6.08	6.08	5.98	6.18	0.00
4,4'-DDD	5.93	5.93	5.83	6.03	0.00
Endosulfan sulfate	6.48	6.48	6.38	6.58	0.00
4,4'-DDT	6.18	6.18	6.08	6.28	0.00
Methoxychlor	6.75	6.76	6.66	6.86	0.01
Endrin ketone	6.99	6.99	6.89	7.09	0.00
Endrin aldehyde	6.26	6.26	6.16	6.36	0.00
alpha-Chlordane	5.19	5.19	5.09	5.29	0.00
gamma-Chlordane	5.13	5.13	5.03	5.23	0.00

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** UNIO02

Lab Code: ACE **SDG NO.:** Q2393

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 06/17/2025 06/17/2025

Client Sample No.: CCAL01 **Date Analyzed:** 06/25/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD089134.D **Time Analyzed:** 16:12

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.705	6.605	6.805	52.370	50.000	4.7
4,4'-DDE	6.195	6.096	6.296	50.910	50.000	1.8
4,4'-DDT	7.021	6.921	7.121	48.180	50.000	-3.6
Aldrin	5.271	5.171	5.371	52.530	50.000	5.1
alpha-BHC	3.999	3.899	4.099	53.570	50.000	7.1
alpha-Chlordane	6.027	5.927	6.127	51.430	50.000	2.9
beta-BHC	4.515	4.415	4.615	51.190	50.000	2.4
Decachlorobiphenyl	9.073	8.972	9.172	48.720	50.000	-2.6
delta-BHC	4.764	4.664	4.864	55.600	50.000	11.2
Dieldrin	6.347	6.247	6.447	51.740	50.000	3.5
Endosulfan I	6.074	5.975	6.175	51.320	50.000	2.6
Endosulfan II	6.786	6.686	6.886	51.720	50.000	3.4
Endosulfan sulfate	7.149	7.049	7.249	50.030	50.000	0.1
Endrin	6.575	6.475	6.675	50.280	50.000	0.6
Endrin aldehyde	6.915	6.815	7.015	49.430	50.000	-1.1
Endrin ketone	7.630	7.530	7.730	50.650	50.000	1.3
gamma-BHC (Lindane)	4.330	4.230	4.430	53.110	50.000	6.2
gamma-Chlordane	5.945	5.846	6.046	51.930	50.000	3.9
Heptachlor	4.929	4.829	5.029	51.830	50.000	3.7
Heptachlor epoxide	5.691	5.591	5.791	50.860	50.000	1.7
Methoxychlor	7.493	7.393	7.593	45.860	50.000	-8.3
Tetrachloro-m-xylene	3.550	3.450	3.650	51.690	50.000	3.4

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** UNIO02

Lab Code: ACE **SDG NO.:** Q2393

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 06/17/2025 06/17/2025

Client Sample No.: CCAL01 **Date Analyzed:** 06/25/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD089134.D **Time Analyzed:** 16:12

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.929	5.830	6.030	50.660	50.000	1.3
4,4'-DDE	5.375	5.275	5.475	50.160	50.000	0.3
4,4'-DDT	6.183	6.084	6.284	47.880	50.000	-4.2
Aldrin	4.368	4.269	4.469	51.110	50.000	2.2
alpha-BHC	3.393	3.293	3.493	51.690	50.000	3.4
alpha-Chlordane	5.190	5.091	5.291	50.080	50.000	0.2
beta-BHC	4.025	3.926	4.126	50.170	50.000	0.3
Decachlorobiphenyl	8.072	7.972	8.172	49.080	50.000	-1.8
delta-BHC	4.261	4.162	4.362	51.300	50.000	2.6
Dieldrin	5.512	5.413	5.613	50.380	50.000	0.8
Endosulfan I	5.246	5.147	5.347	48.960	50.000	-2.1
Endosulfan II	6.080	5.981	6.181	49.710	50.000	-0.6
Endosulfan sulfate	6.481	6.383	6.583	49.190	50.000	-1.6
Endrin	5.789	5.689	5.889	49.670	50.000	-0.7
Endrin aldehyde	6.258	6.159	6.359	48.480	50.000	-3.0
Endrin ketone	6.991	6.892	7.092	49.700	50.000	-0.6
gamma-BHC (Lindane)	3.729	3.630	3.830	51.520	50.000	3.0
gamma-Chlordane	5.125	5.026	5.226	50.180	50.000	0.4
Heptachlor	4.083	3.983	4.183	49.870	50.000	-0.3
Heptachlor epoxide	4.872	4.773	4.973	50.580	50.000	1.2
Methoxychlor	6.754	6.655	6.855	46.450	50.000	-7.1
Tetrachloro-m-xylene	2.881	2.780	2.980	51.570	50.000	3.1

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** UNIO02

Lab Code: ACE **SDG NO.:** Q2393

Continuing Calib Date: 06/25/2025 **Initial Calibration Date(s):** 06/17/2025 06/17/2025

Continuing Calib Time: 19:15 **Initial Calibration Time(s):** 15:52 16:47

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.07	9.07	8.97	9.17	0.00
Tetrachloro-m-xylene	3.55	3.55	3.45	3.65	0.00
alpha-BHC	4.00	4.00	3.90	4.10	0.00
beta-BHC	4.52	4.52	4.42	4.62	0.01
delta-BHC	4.76	4.76	4.66	4.86	0.00
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.93	4.93	4.83	5.03	0.00
Aldrin	5.27	5.27	5.17	5.37	0.00
Heptachlor epoxide	5.69	5.69	5.59	5.79	0.00
Endosulfan I	6.07	6.08	5.98	6.18	0.01
Dieldrin	6.35	6.35	6.25	6.45	0.00
4,4'-DDE	6.20	6.20	6.10	6.30	0.00
Endrin	6.57	6.58	6.48	6.68	0.01
Endosulfan II	6.79	6.79	6.69	6.89	0.00
4,4'-DDD	6.71	6.71	6.61	6.81	0.01
Endosulfan sulfate	7.15	7.15	7.05	7.25	0.00
4,4'-DDT	7.02	7.02	6.92	7.12	0.00
Methoxychlor	7.49	7.49	7.39	7.59	0.00
Endrin ketone	7.63	7.63	7.53	7.73	0.00
Endrin aldehyde	6.92	6.92	6.82	7.02	0.01
alpha-Chlordane	6.03	6.03	5.93	6.13	0.00
gamma-Chlordane	5.95	5.95	5.85	6.05	0.00

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** UNIO02

Lab Code: ACE **SDG NO.:** Q2393

Continuing Calib Date: 06/25/2025 **Initial Calibration Date(s):** 06/17/2025 06/17/2025

Continuing Calib Time: 19:15 **Initial Calibration Time(s):** 15:52 16:47

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	8.07	8.07	7.97	8.17	0.00
Tetrachloro-m-xylene	2.88	2.88	2.78	2.98	0.00
alpha-BHC	3.39	3.39	3.29	3.49	0.00
beta-BHC	4.03	4.03	3.93	4.13	0.00
delta-BHC	4.26	4.26	4.16	4.36	0.00
gamma-BHC (Lindane)	3.73	3.73	3.63	3.83	0.00
Heptachlor	4.08	4.08	3.98	4.18	0.00
Aldrin	4.37	4.37	4.27	4.47	0.00
Heptachlor epoxide	4.87	4.87	4.77	4.97	0.00
Endosulfan I	5.25	5.25	5.15	5.35	0.00
Dieldrin	5.51	5.51	5.41	5.61	0.00
4,4'-DDE	5.38	5.38	5.28	5.48	0.00
Endrin	5.79	5.79	5.69	5.89	0.00
Endosulfan II	6.08	6.08	5.98	6.18	0.00
4,4'-DDD	5.93	5.93	5.83	6.03	0.00
Endosulfan sulfate	6.48	6.48	6.38	6.58	0.00
4,4'-DDT	6.18	6.18	6.08	6.28	0.00
Methoxychlor	6.75	6.76	6.66	6.86	0.01
Endrin ketone	6.99	6.99	6.89	7.09	0.00
Endrin aldehyde	6.26	6.26	6.16	6.36	0.00
alpha-Chlordane	5.19	5.19	5.09	5.29	0.00
gamma-Chlordane	5.13	5.13	5.03	5.23	0.00

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** UNIO02

Lab Code: ACE **SDG NO.:** Q2393

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 06/17/2025 06/17/2025

Client Sample No.: CCAL02 **Date Analyzed:** 06/25/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD089146.D **Time Analyzed:** 19:15

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.705	6.605	6.805	52.530	50.000	5.1
4,4'-DDE	6.196	6.096	6.296	51.170	50.000	2.3
4,4'-DDT	7.021	6.921	7.121	48.420	50.000	-3.2
Aldrin	5.271	5.171	5.371	52.830	50.000	5.7
alpha-BHC	3.999	3.899	4.099	54.380	50.000	8.8
alpha-Chlordane	6.026	5.927	6.127	51.910	50.000	3.8
beta-BHC	4.515	4.415	4.615	51.800	50.000	3.6
Decachlorobiphenyl	9.073	8.972	9.172	48.940	50.000	-2.1
delta-BHC	4.764	4.664	4.864	56.290	50.000	12.6
Dieldrin	6.346	6.247	6.447	51.830	50.000	3.7
Endosulfan I	6.074	5.975	6.175	51.790	50.000	3.6
Endosulfan II	6.786	6.686	6.886	51.980	50.000	4.0
Endosulfan sulfate	7.149	7.049	7.249	50.040	50.000	0.1
Endrin	6.574	6.475	6.675	50.290	50.000	0.6
Endrin aldehyde	6.915	6.815	7.015	49.890	50.000	-0.2
Endrin ketone	7.630	7.530	7.730	50.970	50.000	1.9
gamma-BHC (Lindane)	4.330	4.230	4.430	53.840	50.000	7.7
gamma-Chlordane	5.945	5.846	6.046	52.630	50.000	5.3
Heptachlor	4.929	4.829	5.029	52.360	50.000	4.7
Heptachlor epoxide	5.690	5.591	5.791	51.690	50.000	3.4
Methoxychlor	7.493	7.393	7.593	45.660	50.000	-8.7
Tetrachloro-m-xylene	3.550	3.450	3.650	52.350	50.000	4.7

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** UNIO02

Lab Code: ACE **SDG NO.:** Q2393

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 06/17/2025 06/17/2025

Client Sample No.: CCAL02 **Date Analyzed:** 06/25/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD089146.D **Time Analyzed:** 19:15

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.929	5.830	6.030	51.340	50.000	2.7
4,4'-DDE	5.375	5.275	5.475	50.750	50.000	1.5
4,4'-DDT	6.183	6.084	6.284	48.290	50.000	-3.4
Aldrin	4.369	4.269	4.469	51.750	50.000	3.5
alpha-BHC	3.393	3.293	3.493	52.130	50.000	4.3
alpha-Chlordane	5.190	5.091	5.291	50.620	50.000	1.2
beta-BHC	4.025	3.926	4.126	50.200	50.000	0.4
Decachlorobiphenyl	8.071	7.972	8.172	48.540	50.000	-2.9
delta-BHC	4.262	4.162	4.362	51.710	50.000	3.4
Dieldrin	5.513	5.413	5.613	50.760	50.000	1.5
Endosulfan I	5.246	5.147	5.347	48.710	50.000	-2.6
Endosulfan II	6.080	5.981	6.181	50.180	50.000	0.4
Endosulfan sulfate	6.482	6.383	6.583	49.170	50.000	-1.7
Endrin	5.789	5.689	5.889	50.400	50.000	0.8
Endrin aldehyde	6.258	6.159	6.359	48.810	50.000	-2.4
Endrin ketone	6.991	6.892	7.092	49.570	50.000	-0.9
gamma-BHC (Lindane)	3.729	3.630	3.830	51.880	50.000	3.8
gamma-Chlordane	5.125	5.026	5.226	50.860	50.000	1.7
Heptachlor	4.083	3.983	4.183	50.530	50.000	1.1
Heptachlor epoxide	4.872	4.773	4.973	51.260	50.000	2.5
Methoxychlor	6.754	6.655	6.855	46.630	50.000	-6.7
Tetrachloro-m-xylene	2.881	2.780	2.980	51.950	50.000	3.9

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** UNIO02

Lab Code: ACE **SDG NO.:** Q2393

Continuing Calib Date: 06/25/2025 **Initial Calibration Date(s):** 06/17/2025 06/17/2025

Continuing Calib Time: 22:40 **Initial Calibration Time(s):** 15:52 16:47

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.07	9.07	8.97	9.17	0.00
Tetrachloro-m-xylene	3.55	3.55	3.45	3.65	0.00
alpha-BHC	4.00	4.00	3.90	4.10	0.00
beta-BHC	4.52	4.52	4.42	4.62	0.01
delta-BHC	4.76	4.76	4.66	4.86	0.00
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.93	4.93	4.83	5.03	0.00
Aldrin	5.27	5.27	5.17	5.37	0.00
Heptachlor epoxide	5.69	5.69	5.59	5.79	0.00
Endosulfan I	6.07	6.08	5.98	6.18	0.01
Dieldrin	6.35	6.35	6.25	6.45	0.00
4,4'-DDE	6.20	6.20	6.10	6.30	0.00
Endrin	6.57	6.58	6.48	6.68	0.01
Endosulfan II	6.79	6.79	6.69	6.89	0.01
4,4'-DDD	6.70	6.71	6.61	6.81	0.01
Endosulfan sulfate	7.15	7.15	7.05	7.25	0.00
4,4'-DDT	7.02	7.02	6.92	7.12	0.00
Methoxychlor	7.49	7.49	7.39	7.59	0.00
Endrin ketone	7.63	7.63	7.53	7.73	0.00
Endrin aldehyde	6.91	6.92	6.82	7.02	0.01
alpha-Chlordane	6.03	6.03	5.93	6.13	0.00
gamma-Chlordane	5.95	5.95	5.85	6.05	0.00

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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** UNIO02

Lab Code: ACE **SDG NO.:** Q2393

Continuing Calib Date: 06/25/2025 **Initial Calibration Date(s):** 06/17/2025 06/17/2025

Continuing Calib Time: 22:40 **Initial Calibration Time(s):** 15:52 16:47

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	8.07	8.07	7.97	8.17	0.00
Tetrachloro-m-xylene	2.88	2.88	2.78	2.98	0.00
alpha-BHC	3.39	3.39	3.29	3.49	0.00
beta-BHC	4.03	4.03	3.93	4.13	0.00
delta-BHC	4.26	4.26	4.16	4.36	0.00
gamma-BHC (Lindane)	3.73	3.73	3.63	3.83	0.00
Heptachlor	4.08	4.08	3.98	4.18	0.00
Aldrin	4.37	4.37	4.27	4.47	0.00
Heptachlor epoxide	4.87	4.87	4.77	4.97	0.00
Endosulfan I	5.25	5.25	5.15	5.35	0.00
Dieldrin	5.51	5.51	5.41	5.61	0.00
4,4'-DDE	5.38	5.38	5.28	5.48	0.00
Endrin	5.79	5.79	5.69	5.89	0.00
Endosulfan II	6.08	6.08	5.98	6.18	0.00
4,4'-DDD	5.93	5.93	5.83	6.03	0.00
Endosulfan sulfate	6.48	6.48	6.38	6.58	0.00
4,4'-DDT	6.18	6.18	6.08	6.28	0.00
Methoxychlor	6.75	6.76	6.66	6.86	0.01
Endrin ketone	6.99	6.99	6.89	7.09	0.00
Endrin aldehyde	6.26	6.26	6.16	6.36	0.00
alpha-Chlordane	5.19	5.19	5.09	5.29	0.00
gamma-Chlordane	5.13	5.13	5.03	5.23	0.00

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** UNIO02

Lab Code: ACE **SDG NO.:** Q2393

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 06/17/2025 06/17/2025

Client Sample No.: CCAL03 **Date Analyzed:** 06/25/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD089155.D **Time Analyzed:** 22:40

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.704	6.605	6.805	45.490	50.000	-9.0
4,4'-DDE	6.195	6.096	6.296	46.090	50.000	-7.8
4,4'-DDT	7.020	6.921	7.121	40.060	50.000	-19.9
Aldrin	5.271	5.171	5.371	50.000	50.000	0.0
alpha-BHC	3.999	3.899	4.099	54.860	50.000	9.7
alpha-Chlordane	6.027	5.927	6.127	48.640	50.000	-2.7
beta-BHC	4.515	4.415	4.615	52.340	50.000	4.7
Decachlorobiphenyl	9.072	8.972	9.172	41.670	50.000	-16.7
delta-BHC	4.764	4.664	4.864	56.380	50.000	12.8
Dieldrin	6.347	6.247	6.447	45.400	50.000	-9.2
Endosulfan I	6.074	5.975	6.175	48.330	50.000	-3.3
Endosulfan II	6.785	6.686	6.886	45.580	50.000	-8.8
Endosulfan sulfate	7.148	7.049	7.249	42.630	50.000	-14.7
Endrin	6.572	6.475	6.675	43.610	50.000	-12.8
Endrin aldehyde	6.914	6.815	7.015	43.020	50.000	-14.0
Endrin ketone	7.630	7.530	7.730	42.260	50.000	-15.5
gamma-BHC (Lindane)	4.330	4.230	4.430	54.290	50.000	8.6
gamma-Chlordane	5.946	5.846	6.046	49.610	50.000	-0.8
Heptachlor	4.929	4.829	5.029	51.480	50.000	3.0
Heptachlor epoxide	5.690	5.591	5.791	49.080	50.000	-1.8
Methoxychlor	7.491	7.393	7.593	38.160	50.000	-23.7
Tetrachloro-m-xylene	3.551	3.450	3.650	52.830	50.000	5.7

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** UNIO02

Lab Code: ACE **SDG NO.:** Q2393

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 06/17/2025 06/17/2025

Client Sample No.: CCAL03 **Date Analyzed:** 06/25/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD089155.D **Time Analyzed:** 22:40

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.929	5.830	6.030	49.150	50.000	-1.7
4,4'-DDE	5.375	5.275	5.475	49.570	50.000	-0.9
4,4'-DDT	6.183	6.084	6.284	44.960	50.000	-10.1
Aldrin	4.368	4.269	4.469	51.690	50.000	3.4
alpha-BHC	3.393	3.293	3.493	52.300	50.000	4.6
alpha-Chlordane	5.190	5.091	5.291	49.730	50.000	-0.5
beta-BHC	4.025	3.926	4.126	49.430	50.000	-1.1
Decachlorobiphenyl	8.071	7.972	8.172	40.090	50.000	-19.8
delta-BHC	4.262	4.162	4.362	51.750	50.000	3.5
Dieldrin	5.512	5.413	5.613	49.360	50.000	-1.3
Endosulfan I	5.246	5.147	5.347	46.120	50.000	-7.8
Endosulfan II	6.079	5.981	6.181	47.570	50.000	-4.9
Endosulfan sulfate	6.481	6.383	6.583	45.570	50.000	-8.9
Endrin	5.789	5.689	5.889	50.010	50.000	0.0
Endrin aldehyde	6.258	6.159	6.359	45.240	50.000	-9.5
Endrin ketone	6.990	6.892	7.092	43.850	50.000	-12.3
gamma-BHC (Lindane)	3.730	3.630	3.830	52.050	50.000	4.1
gamma-Chlordane	5.125	5.026	5.226	49.880	50.000	-0.2
Heptachlor	4.082	3.983	4.183	50.510	50.000	1.0
Heptachlor epoxide	4.872	4.773	4.973	50.800	50.000	1.6
Methoxychlor	6.752	6.655	6.855	42.310	50.000	-15.4
Tetrachloro-m-xylene	2.881	2.780	2.980	52.150	50.000	4.3

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PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** UNIO02

Lab Code: ACE **SDG NO.:** Q2393

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 06/17/2025 06/17/2025

Client Sample No. (PEM): PEM - PD088991.D **Date Analyzed:** 06/17/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 15:25

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.071	8.970	9.170	21.440	20.000	7.2
Tetrachloro-m-xylene	3.550	3.500	3.600	19.860	20.000	-0.7
alpha-BHC	3.999	3.950	4.050	8.970	10.000	-10.3
beta-BHC	4.514	4.460	4.560	9.720	10.000	-2.8
gamma-BHC (Lindane)	4.330	4.280	4.380	9.320	10.000	-6.8
Endrin	6.574	6.500	6.640	50.260	50.000	0.5
4,4'-DDT	7.020	6.950	7.090	100.820	100.000	0.8
Methoxychlor	7.493	7.420	7.560	229.880	250.000	-8.0

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 06/17/2025 06/17/2025

Client Sample No. (PEM): PEM - PD088991.D **Date Analyzed:** 06/17/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 15:25

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	8.072	7.970	8.170	21.290	20.000	6.5
Tetrachloro-m-xylene	2.880	2.830	2.930	20.440	20.000	2.2
alpha-BHC	3.393	3.340	3.440	10.570	10.000	5.7
beta-BHC	4.025	3.970	4.080	10.750	10.000	7.5
gamma-BHC (Lindane)	3.729	3.680	3.780	10.580	10.000	5.8
Endrin	5.789	5.720	5.860	50.490	50.000	1.0
4,4'-DDT	6.183	6.110	6.250	96.080	100.000	-3.9
Methoxychlor	6.754	6.680	6.820	198.860	250.000	-20.5

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PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** UNIO02

Lab Code: ACE **SDG NO.:** Q2393

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 06/17/2025 06/17/2025

Client Sample No. (PEM): PEM - PD089118.D **Date Analyzed:** 06/25/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 09:25

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.073	8.970	9.170	20.340	20.000	1.7
Tetrachloro-m-xylene	3.551	3.500	3.600	20.150	20.000	0.8
alpha-BHC	3.999	3.950	4.050	9.340	10.000	-6.6
beta-BHC	4.516	4.470	4.570	10.310	10.000	3.1
gamma-BHC (Lindane)	4.330	4.280	4.380	9.690	10.000	-3.1
Endrin	6.574	6.500	6.640	47.680	50.000	-4.6
4,4'-DDT	7.021	6.950	7.090	91.830	100.000	-8.2
Methoxychlor	7.493	7.420	7.560	207.080	250.000	-17.2

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 06/17/2025 06/17/2025

Client Sample No. (PEM): PEM - PD089118.D **Date Analyzed:** 06/25/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 09:25

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	8.072	7.970	8.170	21.190	20.000	6.0
Tetrachloro-m-xylene	2.881	2.830	2.930	21.190	20.000	6.0
alpha-BHC	3.393	3.340	3.440	10.920	10.000	9.2
beta-BHC	4.025	3.970	4.080	11.040	10.000	10.4
gamma-BHC (Lindane)	3.729	3.680	3.780	10.990	10.000	9.9
Endrin	5.789	5.720	5.860	46.590	50.000	-6.8
4,4'-DDT	6.183	6.110	6.250	89.560	100.000	-10.4
Methoxychlor	6.753	6.680	6.820	175.380	250.000	-29.8

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PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** UNIO02

Lab Code: ACE **SDG NO.:** Q2393

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 06/17/2025 06/17/2025

Client Sample No. (PEM): PEM - PD089145.D **Date Analyzed:** 06/25/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 19:02

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.071	8.970	9.170	20.450	20.000	2.3
Tetrachloro-m-xylene	3.550	3.500	3.600	20.140	20.000	0.7
alpha-BHC	3.999	3.950	4.050	9.260	10.000	-7.4
beta-BHC	4.515	4.460	4.570	10.200	10.000	2.0
gamma-BHC (Lindane)	4.330	4.280	4.380	9.720	10.000	-2.8
Endrin	6.574	6.500	6.640	47.960	50.000	-4.1
4,4'-DDT	7.021	6.950	7.090	91.290	100.000	-8.7
Methoxychlor	7.492	7.420	7.560	206.430	250.000	-17.4

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 06/17/2025 06/17/2025

Client Sample No. (PEM): PEM - PD089145.D **Date Analyzed:** 06/25/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 19:02

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	8.072	7.970	8.170	20.280	20.000	1.4
Tetrachloro-m-xylene	2.881	2.830	2.930	20.900	20.000	4.5
alpha-BHC	3.393	3.340	3.440	10.770	10.000	7.7
beta-BHC	4.025	3.970	4.080	10.780	10.000	7.8
gamma-BHC (Lindane)	3.729	3.680	3.780	10.840	10.000	8.4
Endrin	5.789	5.720	5.860	47.420	50.000	-5.2
4,4'-DDT	6.183	6.110	6.250	88.830	100.000	-11.2
Methoxychlor	6.754	6.680	6.820	180.220	250.000	-27.9

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Analytical Sequence

Client: Union Paving & Construction Company **SDG No.:** Q2393

Project: 190 Park Ave Hanover Twp NJ - PO 3556-00 **Instrument ID:** ECD_D

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 06/17/2025 06/17/2025

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 #
I.BLK	I.BLK	06/17/2025	15:11	PD088990.D	9.07	3.55
PEM	PEM	06/17/2025	15:25	PD088991.D	9.07	3.55
RESCHK	RESCHK	06/17/2025	15:39	PD088992.D	9.07	3.55
PSTDICC100	PSTDICC100	06/17/2025	15:52	PD088993.D	9.07	3.55
PSTDICC075	PSTDICC075	06/17/2025	16:06	PD088994.D	9.07	3.55
PSTDICC050	PSTDICC050	06/17/2025	16:20	PD088995.D	9.07	3.55
PSTDICC025	PSTDICC025	06/17/2025	16:33	PD088996.D	9.07	3.55
PSTDICC005	PSTDICC005	06/17/2025	16:47	PD088997.D	9.07	3.55
PCHLORICC500	PCHLORICC500	06/17/2025	17:28	PD089000.D	9.07	3.55
PTOXICC500	PTOXICC500	06/17/2025	18:36	PD089005.D	9.07	3.55
PEM	PEM	06/25/2025	09:25	PD089118.D	9.07	3.55
I.BLK	I.BLK	06/25/2025	15:58	PD089133.D	9.08	3.55
PSTDCCC050	PSTDCCC050	06/25/2025	16:12	PD089134.D	9.07	3.55
PB168608BL	PB168608BL	06/25/2025	16:59	PD089136.D	9.07	3.55
PB168608BS	PB168608BS	06/25/2025	17:13	PD089137.D	9.07	3.55
PARK AVE -1	Q2393-01	06/25/2025	17:54	PD089140.D	9.07	3.55
PARK AVE -1MS	Q2393-01MS	06/25/2025	18:07	PD089141.D	9.07	3.55
PARK AVE -1MSD	Q2393-01MSD	06/25/2025	18:21	PD089142.D	9.07	3.55
PARK AVE -2	Q2393-03	06/25/2025	18:35	PD089143.D	9.07	3.55
I.BLK	I.BLK	06/25/2025	18:48	PD089144.D	9.07	3.55
PEM	PEM	06/25/2025	19:02	PD089145.D	9.07	3.55
PSTDCCC050	PSTDCCC050	06/25/2025	19:15	PD089146.D	9.07	3.55
PARK AVE -3	Q2393-05	06/25/2025	19:57	PD089147.D	9.07	3.55
PARK AVE -4	Q2393-07	06/25/2025	20:10	PD089148.D	9.07	3.55
PARK AVE -5	Q2393-09	06/25/2025	20:24	PD089149.D	9.07	3.55
PARK AVE -6	Q2393-11	06/25/2025	20:37	PD089150.D	9.07	3.55
I.BLK	I.BLK	06/25/2025	21:32	PD089154.D	9.07	3.55
PSTDCCC050	PSTDCCC050	06/25/2025	22:40	PD089155.D	9.07	3.55

Alliance TECHNICAL GROUP
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Analytical Sequence

Client: Union Paving & Construction Company **SDG No.:** Q2393

Project: 190 Park Ave Hanover Twp NJ - PO 3556-00 **Instrument ID:** ECD_D

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 06/17/2025 06/17/2025

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 #
I.BLK	I.BLK	06/17/2025	15:11	PD088990.D	8.07	2.88
PEM	PEM	06/17/2025	15:25	PD088991.D	8.07	2.88
RESCHK	RESCHK	06/17/2025	15:39	PD088992.D	8.07	2.88
PSTDICC100	PSTDICC100	06/17/2025	15:52	PD088993.D	8.07	2.88
PSTDICC075	PSTDICC075	06/17/2025	16:06	PD088994.D	8.07	2.88
PSTDICC050	PSTDICC050	06/17/2025	16:20	PD088995.D	8.07	2.88
PSTDICC025	PSTDICC025	06/17/2025	16:33	PD088996.D	8.07	2.88
PSTDICC005	PSTDICC005	06/17/2025	16:47	PD088997.D	8.07	2.88
PCHLORICC500	PCHLORICC500	06/17/2025	17:28	PD089000.D	8.07	2.88
PTOXICC500	PTOXICC500	06/17/2025	18:36	PD089005.D	8.07	2.88
PEM	PEM	06/25/2025	09:25	PD089118.D	8.07	2.88
I.BLK	I.BLK	06/25/2025	15:58	PD089133.D	8.07	2.88
PSTDCCC050	PSTDCCC050	06/25/2025	16:12	PD089134.D	8.07	2.88
PB168608BL	PB168608BL	06/25/2025	16:59	PD089136.D	8.07	2.88
PB168608BS	PB168608BS	06/25/2025	17:13	PD089137.D	8.07	2.88
PARK AVE -1	Q2393-01	06/25/2025	17:54	PD089140.D	8.07	2.88
PARK AVE -1MS	Q2393-01MS	06/25/2025	18:07	PD089141.D	8.07	2.88
PARK AVE -1MSD	Q2393-01MSD	06/25/2025	18:21	PD089142.D	8.07	2.88
PARK AVE -2	Q2393-03	06/25/2025	18:35	PD089143.D	8.07	2.88
I.BLK	I.BLK	06/25/2025	18:48	PD089144.D	8.07	2.88
PEM	PEM	06/25/2025	19:02	PD089145.D	8.07	2.88
PSTDCCC050	PSTDCCC050	06/25/2025	19:15	PD089146.D	8.07	2.88
PARK AVE -3	Q2393-05	06/25/2025	19:57	PD089147.D	8.07	2.88
PARK AVE -4	Q2393-07	06/25/2025	20:10	PD089148.D	8.07	2.88
PARK AVE -5	Q2393-09	06/25/2025	20:24	PD089149.D	8.07	2.88
PARK AVE -6	Q2393-11	06/25/2025	20:37	PD089150.D	8.07	2.88
I.BLK	I.BLK	06/25/2025	21:32	PD089154.D	8.07	2.88
PSTDCCC050	PSTDCCC050	06/25/2025	22:40	PD089155.D	8.07	2.88

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PARK AVE -1MS

Lab Name: Alliance **Contract:** UNIO02

Lab Code: ACE **SDG NO.:** Q2393

Lab Sample ID: Q2393-01MS **Date(s) Analyzed:** 06/25/2025 06/25/2025

Instrument ID (1): ECD_D **Instrument ID (2):** ECD_D

GC Column: (1): ZB-MR1 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
Endosulfan II	1	6.79	6.74	6.84	16.6	1.8
	2	6.08	6.03	6.13	16.9	
4,4'-DDD	1	6.71	6.66	6.76	17.6	1.7
	2	5.93	5.88	5.98	17.3	
4,4'-DDT	1	7.02	6.97	7.07	15.8	1.3
	2	6.18	6.13	6.23	16.0	
alpha-BHC	1	4.00	3.95	4.05	18.0	0
	2	3.39	3.34	3.44	18.0	
Aldrin	1	5.27	5.22	5.32	17.8	0.6
	2	4.37	4.32	4.42	17.9	
beta-BHC	1	4.52	4.47	4.57	17.3	2.3
	2	4.03	3.98	4.08	17.7	
delta-BHC	1	4.76	4.71	4.81	18.8	4.3
	2	4.26	4.21	4.31	18.0	
Endosulfan I	1	6.07	6.02	6.12	17.3	1.7
	2	5.25	5.20	5.30	17.6	
alpha-Chlordane	1	6.03	5.98	6.08	17.3	1.7
	2	5.19	5.14	5.24	17.6	
4,4'-DDE	1	6.20	6.15	6.25	17.1	1.2
	2	5.38	5.33	5.43	17.3	
Dieldrin	1	6.35	6.30	6.40	17.4	0.6
	2	5.51	5.46	5.56	17.5	
Endrin aldehyde	1	6.92	6.87	6.97	17.2	2.4
	2	6.26	6.21	6.31	16.8	
Endosulfan sulfate	1	7.15	7.10	7.20	16.7	0.6
	2	6.48	6.43	6.53	16.6	
Methoxychlor	1	7.49	7.44	7.54	15.6	1.3
	2	6.75	6.70	6.80	15.4	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PARK AVE -1MS

Lab Name: Alliance **Contract:** UNIO02

Lab Code: ACE **SDG NO.:** Q2393

Lab Sample ID: Q2393-01MS **Date(s) Analyzed:** 06/25/2025 06/25/2025

Instrument ID (1): ECD_D **Instrument ID (2):** ECD_D

GC Column: (1): ZB-MR1 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
Endrin ketone	1	7.63	7.58	7.68	17.0	3.6
	2	6.99	6.94	7.04	16.4	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	18.0	0
	2	3.73	3.68	3.78	18.0	
Heptachlor	1	4.93	4.88	4.98	17.3	0.6
	2	4.08	4.03	4.13	17.4	
Heptachlor epoxide	1	5.69	5.64	5.74	17.4	1.1
	2	4.87	4.82	4.92	17.6	
gamma-Chlordane	1	5.95	5.90	6.00	17.1	2.9
	2	5.13	5.08	5.18	17.6	
Endrin	1	6.57	6.52	6.62	16.6	4.7
	2	5.79	5.74	5.84	17.4	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PARK AVE -1MSD

Lab Name: Alliance **Contract:** UNIO02

Lab Code: ACE **SDG NO.:** Q2393

Lab Sample ID: Q2393-01MSD **Date(s) Analyzed:** 06/25/2025 06/25/2025

Instrument ID (1): ECD_D **Instrument ID (2):** ECD_D

GC Column: (1): ZB-MR1 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
Endosulfan II	1	6.79	6.74	6.84	16.7	2.4
	2	6.08	6.03	6.13	17.1	
4,4'-DDD	1	6.70	6.65	6.75	17.8	6.4
	2	5.93	5.88	5.98	16.7	
4,4'-DDT	1	7.02	6.97	7.07	16.1	1.2
	2	6.18	6.13	6.23	16.3	
Endrin aldehyde	1	6.91	6.86	6.96	17.4	1.7
	2	6.26	6.21	6.31	17.1	
Endosulfan sulfate	1	7.15	7.10	7.20	16.9	0.6
	2	6.48	6.43	6.53	16.8	
Methoxychlor	1	7.49	7.44	7.54	15.7	0
	2	6.75	6.70	6.80	15.7	
Endrin ketone	1	7.63	7.58	7.68	17.1	2.4
	2	6.99	6.94	7.04	16.7	
alpha-BHC	1	4.00	3.95	4.05	17.9	0.6
	2	3.39	3.34	3.44	18.0	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	17.9	0.6
	2	3.73	3.68	3.78	18.0	
Heptachlor	1	4.93	4.88	4.98	17.4	0
	2	4.08	4.03	4.13	17.4	
Aldrin	1	5.27	5.22	5.32	17.8	0.6
	2	4.37	4.32	4.42	17.9	
beta-BHC	1	4.52	4.47	4.57	17.5	1.7
	2	4.03	3.98	4.08	17.8	
delta-BHC	1	4.76	4.71	4.81	18.8	4.9
	2	4.26	4.21	4.31	17.9	
Heptachlor epoxide	1	5.69	5.64	5.74	17.4	1.7
	2	4.87	4.82	4.92	17.7	

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Fax : 908 789 8922

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PARK AVE -1MSD

Lab Name: Alliance **Contract:** UNIO02

Lab Code: ACE **SDG NO.:** Q2393

Lab Sample ID: Q2393-01MSD **Date(s) Analyzed:** 06/25/2025 06/25/2025

Instrument ID (1): ECD_D **Instrument ID (2):** ECD_D

GC Column: (1): ZB-MR1 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
Endosulfan I	1	6.07	6.02	6.12	17.6	0.6
	2	5.25	5.20	5.30	17.7	
gamma-Chlordane	1	5.94	5.89	5.99	17.2	2.9
	2	5.13	5.08	5.18	17.7	
alpha-Chlordane	1	6.03	5.98	6.08	17.5	0.6
	2	5.19	5.14	5.24	17.6	
4,4'-DDE	1	6.20	6.15	6.25	17.5	0.6
	2	5.37	5.32	5.42	17.4	
Dieldrin	1	6.35	6.30	6.40	17.4	0.6
	2	5.51	5.46	5.56	17.5	
Endrin	1	6.57	6.52	6.62	17.2	1.2
	2	5.79	5.74	5.84	17.0	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PARK AVE -3

Lab Name: Alliance **Contract:** UNIO02

Lab Code: ACE **SDG NO.:** Q2393

Lab Sample ID: Q2393-05 **Date(s) Analyzed:** 06/25/2025 06/25/2025

Instrument ID (1): ECD_D **Instrument ID (2):** ECD_D

GC Column: (1): ZB-MR1 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
4,4'-DDD	1	6.70	6.65	6.75	0.70	60
	2	5.93	5.88	5.98	0.38	
4,4'-DDT	1	7.02	6.97	7.07	0.40	27.9
	2	6.18	6.13	6.23	0.53	
gamma-Chlordane	1	5.95	5.90	6.00	0.73	30.5
	2	5.12	5.07	5.17	0.53	
alpha-Chlordane	1	6.03	5.98	6.08	1.10	54.9
	2	5.19	5.14	5.24	0.63	
4,4'-DDE	1	6.20	6.15	6.25	0.27	51.6
	2	5.37	5.32	5.42	0.45	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PARK AVE -4

Lab Name: Alliance **Contract:** UNIO02

Lab Code: ACE **SDG NO.:** Q2393

Lab Sample ID: Q2393-07 **Date(s) Analyzed:** 06/25/2025 06/25/2025

Instrument ID (1): ECD_D **Instrument ID (2):** ECD_D

GC Column: (1): ZB-MR1 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
4,4'-DDT	1	7.02	6.97	7.07	0.28	26
	2	6.18	6.13	6.23	0.22	
gamma-Chlordane	1	5.94	5.89	5.99	0.25	27.1
	2	5.12	5.07	5.17	0.19	
alpha-Chlordane	1	6.03	5.98	6.08	0.55	47.2
	2	5.19	5.14	5.24	0.34	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PARK AVE -5

Lab Name: Alliance **Contract:** UNIO02

Lab Code: ACE **SDG NO.:** Q2393

Lab Sample ID: Q2393-09 **Date(s) Analyzed:** 06/25/2025 06/25/2025

Instrument ID (1): ECD_D **Instrument ID (2):** ECD_D

GC Column: (1): ZB-MR1 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
4,4'-DDT	1	7.02	6.97	7.07	0.16	54.5
	2	6.18	6.13	6.23	0.28	
Aldrin	1	5.27	5.22	5.32	0.13	34.5
	2	4.37	4.32	4.42	0.19	
gamma-Chlordane	1	5.94	5.89	5.99	0.35	34.1
	2	5.12	5.07	5.17	0.25	
alpha-Chlordane	1	6.03	5.98	6.08	0.56	37.2
	2	5.19	5.14	5.24	0.38	
4,4'-DDE	1	6.19	6.14	6.24	0.27	29.3
	2	5.37	5.32	5.42	0.36	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PARK AVE -6

Lab Name: Alliance **Contract:** UNIO02

Lab Code: ACE **SDG NO.:** Q2393

Lab Sample ID: Q2393-11 **Date(s) Analyzed:** 06/25/2025 06/25/2025

Instrument ID (1): ECD_D **Instrument ID (2):** ECD_D

GC Column: (1): ZB-MR1 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
gamma-Chlordane	1	5.94	5.89	5.99	0.38	41.5
	2	5.12	5.07	5.17	0.25	
alpha-Chlordane	1	6.03	5.98	6.08	0.61	28
	2	5.19	5.14	5.24	0.46	
4,4'-DDE	1	6.20	6.15	6.25	0.19	40
	2	5.37	5.32	5.42	0.29	

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB168608BS

Lab Name: Alliance **Contract:** UNIO02

Lab Code: ACE **SDG NO.:** Q2393

Lab Sample ID: PB168608BS **Date(s) Analyzed:** 06/25/2025 06/25/2025

Instrument ID (1): ECD_D **Instrument ID (2):** ECD_D

GC Column: (1): ZB-MR1 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
4,4'-DDD	1	6.71	6.66	6.76	16.6	0
	2	5.93	5.88	5.98	16.6	
4,4'-DDE	1	6.20	6.15	6.25	16.2	0.6
	2	5.38	5.33	5.43	16.1	
4,4'-DDT	1	7.02	6.97	7.07	15.1	0.7
	2	6.18	6.13	6.23	15.0	
alpha-BHC	1	4.00	3.95	4.05	16.1	0.6
	2	3.39	3.34	3.44	16.2	
Aldrin	1	5.27	5.22	5.32	16.3	0
	2	4.37	4.32	4.42	16.3	
alpha-Chlordane	1	6.03	5.98	6.08	16.0	0.6
	2	5.19	5.14	5.24	16.1	
Endosulfan II	1	6.79	6.74	6.84	16.3	1.9
	2	6.08	6.03	6.13	16.0	
Endosulfan sulfate	1	7.15	7.10	7.20	16.0	0.6
	2	6.48	6.43	6.53	15.9	
beta-BHC	1	4.52	4.47	4.57	15.5	3.2
	2	4.03	3.98	4.08	16.0	
delta-BHC	1	4.76	4.71	4.81	17.0	4.2
	2	4.26	4.21	4.31	16.3	
Endosulfan I	1	6.07	6.02	6.12	16.1	1.2
	2	5.25	5.20	5.30	16.3	
Dieldrin	1	6.35	6.30	6.40	16.2	0.6
	2	5.51	5.46	5.56	16.1	
Endrin aldehyde	1	6.92	6.87	6.97	15.9	0.6
	2	6.26	6.21	6.31	15.8	
Methoxychlor	1	7.49	7.44	7.54	14.3	2.8
	2	6.75	6.70	6.80	14.7	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB168608BS

Lab Name: Alliance **Contract:** UNIO02

Lab Code: ACE **SDG NO.:** Q2393

Lab Sample ID: PB168608BS **Date(s) Analyzed:** 06/25/2025 06/25/2025

Instrument ID (1): ECD_D **Instrument ID (2):** ECD_D

GC Column: (1): ZB-MR1 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
Endrin ketone	1	7.63	7.58	7.68	16.4	0.6
	2	6.99	6.94	7.04	16.3	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	16.0	1.2
	2	3.73	3.68	3.78	16.2	
Heptachlor	1	4.93	4.88	4.98	15.8	0.6
	2	4.08	4.03	4.13	15.7	
Heptachlor epoxide	1	5.69	5.64	5.74	16.0	1.2
	2	4.87	4.82	4.92	16.2	
gamma-Chlordane	1	5.95	5.90	6.00	16.1	1.2
	2	5.13	5.08	5.18	16.3	
Endrin	1	6.57	6.52	6.62	15.2	1.3
	2	5.79	5.74	5.84	15.0	

SAMPLE RAW DATA

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD062525\
Data File : PD089140.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Jun 2025 17:54
Operator : AR\AJ
Sample : Q2393-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PARK AVE -1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 26 06:40:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.550	2.881	50882452	321.0E6	17.834	18.934
28)	SA Decachlor...	9.072	8.071	69147188	324.0E6	17.605	16.387
	Target Compounds						

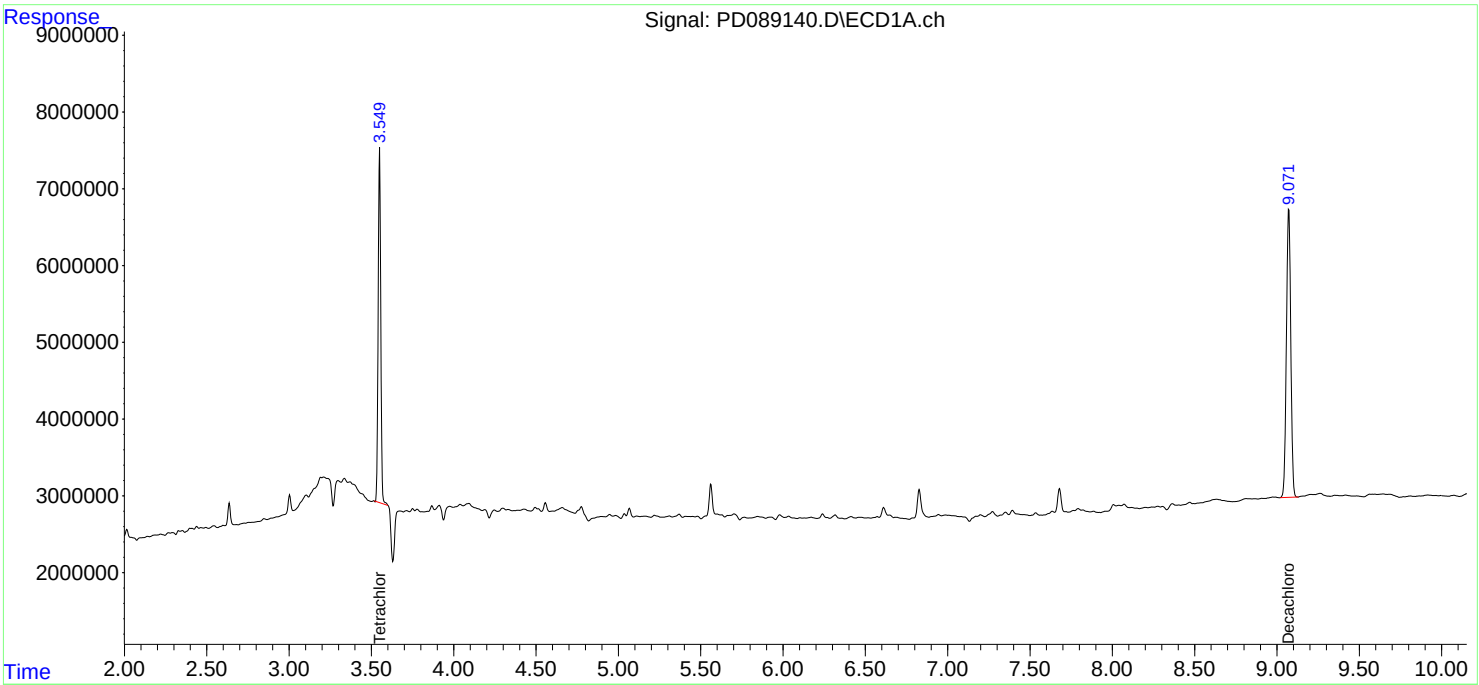
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

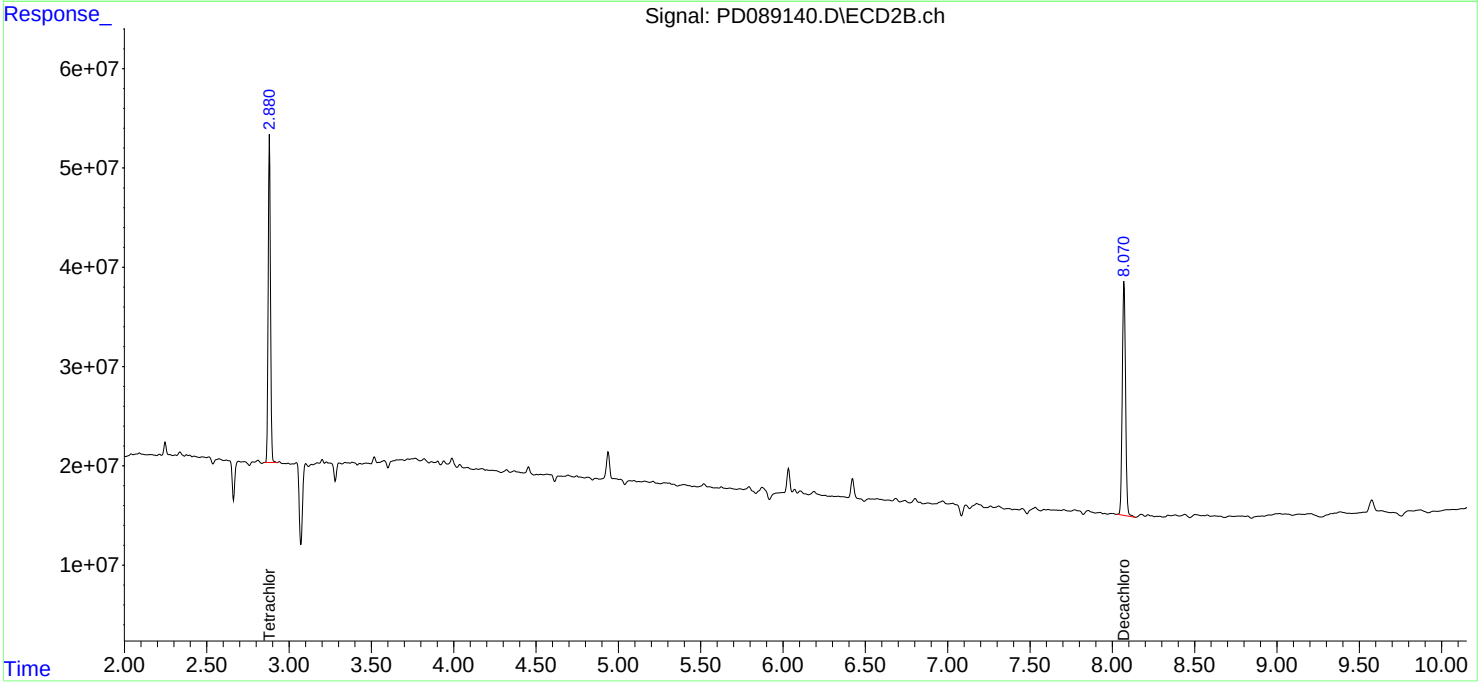
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD062525\
Data File : PD089140.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Jun 2025 17:54
Operator : AR\AJ
Sample : Q2393-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

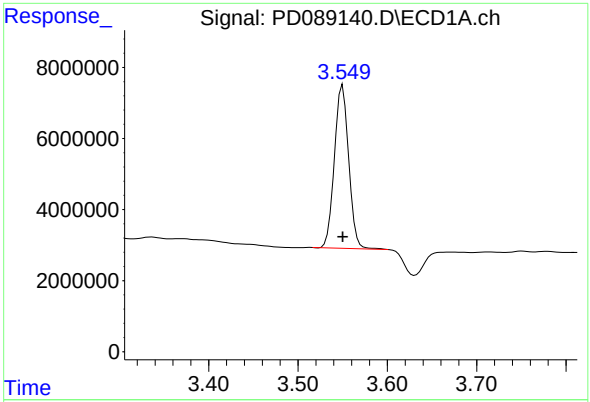
Instrument :
ECD_D
ClientSampleId :
PARK AVE -1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 26 06:40:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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



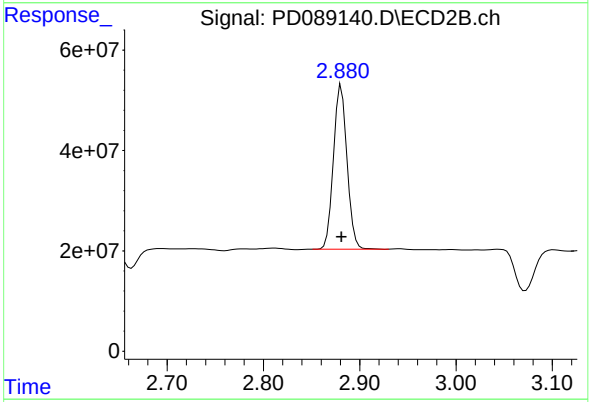




#1 Tetrachloro-m-xylene

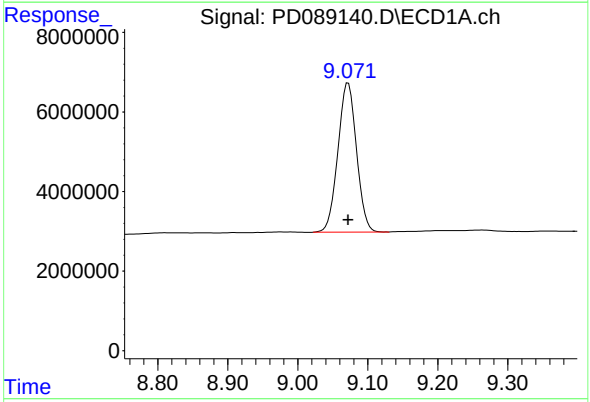
R.T.: 3.550 min
Delta R.T.: 0.000 min
Response: 50882452
Conc: 17.83 ng/ml

Instrument :
ECD_D
ClientSampleId :
PARK AVE -1



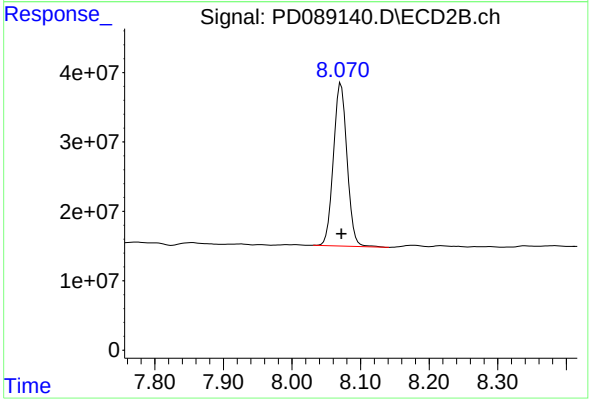
#1 Tetrachloro-m-xylene

R.T.: 2.881 min
Delta R.T.: 0.000 min
Response: 320995427
Conc: 18.93 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.072 min
Delta R.T.: 0.000 min
Response: 69147188
Conc: 17.61 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.071 min
Delta R.T.: 0.000 min
Response: 323972774
Conc: 16.39 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD062525\
Data File : PD089143.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Jun 2025 18:35
Operator : AR\AJ
Sample : Q2393-03
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PARK AVE -2

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 26 06:41:14 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.551	2.882	47232586	296.1E6	16.555	17.465
28)	SA Decachlor...	9.072	8.071	61974849	311.8E6	15.779	15.773
	Target Compounds						

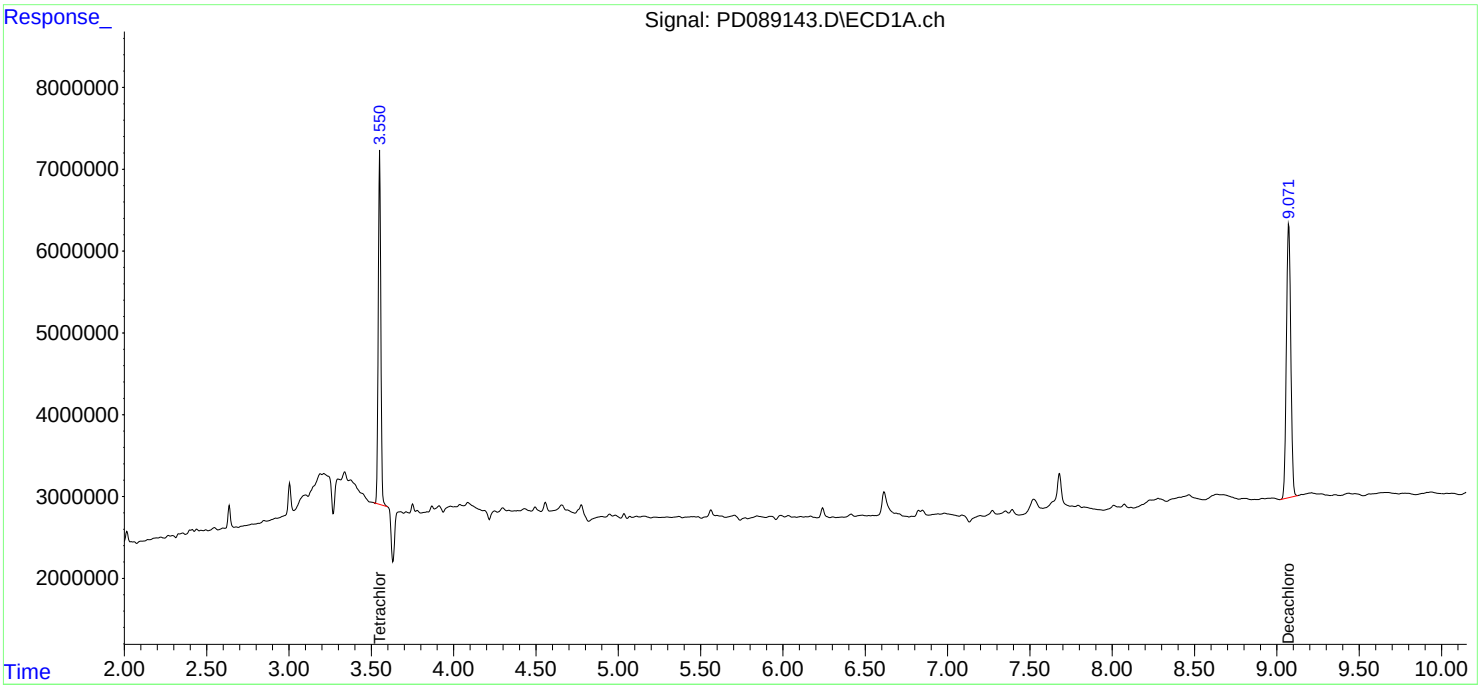
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

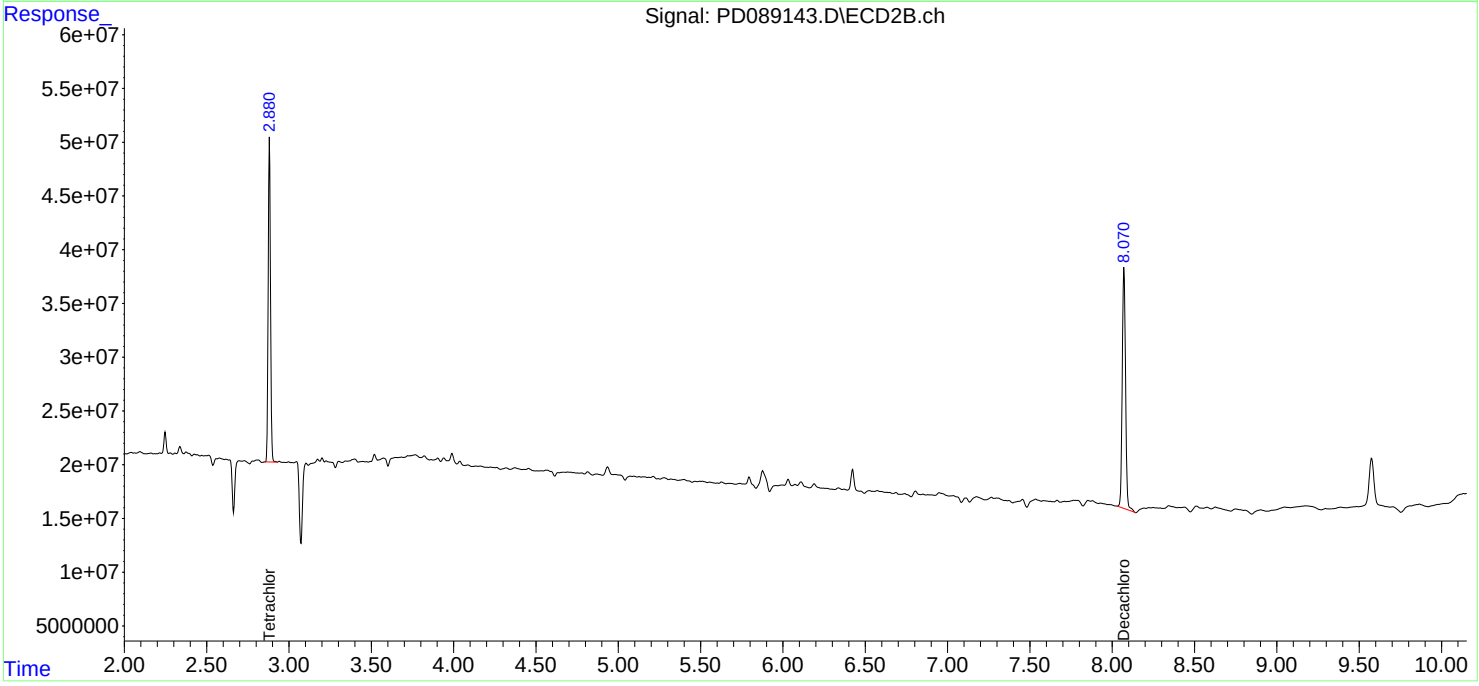
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD062525\
Data File : PD089143.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Jun 2025 18:35
Operator : AR\AJ
Sample : Q2393-03
Misc :
ALS Vial : 25 Sample Multiplier: 1

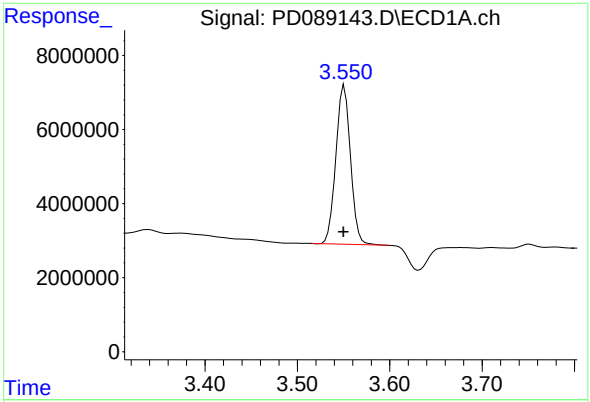
Instrument :
ECD_D
ClientSampleId :
PARK AVE -2

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 26 06:41:14 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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



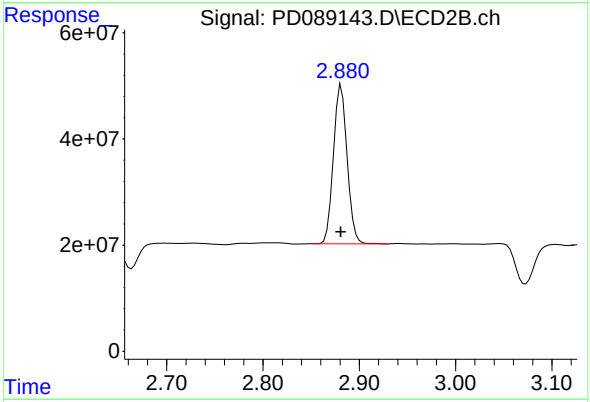




#1 Tetrachloro-m-xylene

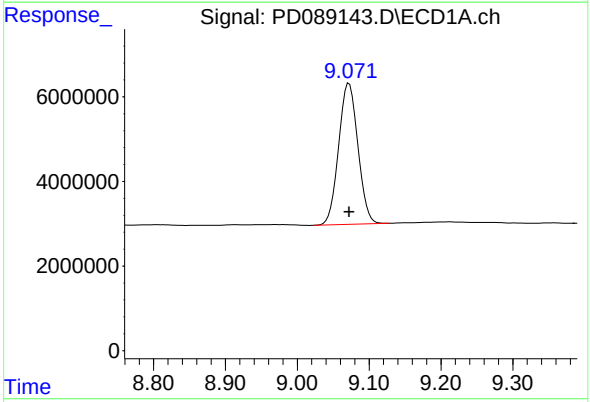
R.T.: 3.551 min
Delta R.T.: 0.000 min
Response: 47232586
Conc: 16.55 ng/ml

Instrument :
ECD_D
ClientSampleId :
PARK AVE -2



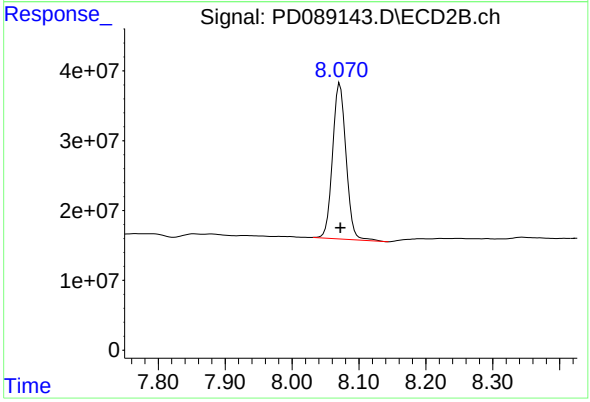
#1 Tetrachloro-m-xylene

R.T.: 2.882 min
Delta R.T.: 0.000 min
Response: 296094984
Conc: 17.47 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.072 min
Delta R.T.: 0.000 min
Response: 61974849
Conc: 15.78 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.071 min
Delta R.T.: 0.000 min
Response: 311831064
Conc: 15.77 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD062525\
Data File : PD089147.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Jun 2025 19:57
Operator : AR\AJ
Sample : Q2393-05
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PARK AVE -3

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 06/26/2025
Supervised By :mohammad ahmed 06/27/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 26 06:41:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.550	2.881	43157521	269.1E6	15.126	15.874
28)	SA Decachlor...	9.071	8.071	56789006	260.7E6	14.459m	13.185
	Target Compounds						
10)	B gamma-Chl...	5.945	5.124	9031380	33205082	1.886	1.388m#
11)	B alpha-Chl...	6.030	5.188	13308266	37225834	2.750	1.626m#
12)	B 4,4'-DDE	6.197	5.373	3017121	26757879	0.692	1.168m#
16)	A 4,4'-DDD	6.701	5.929	6261222	18796923	1.824m	0.983m#
17)	MA 4,4'-DDT	7.021	6.182	3971320	28246117	1.048	1.393 #

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

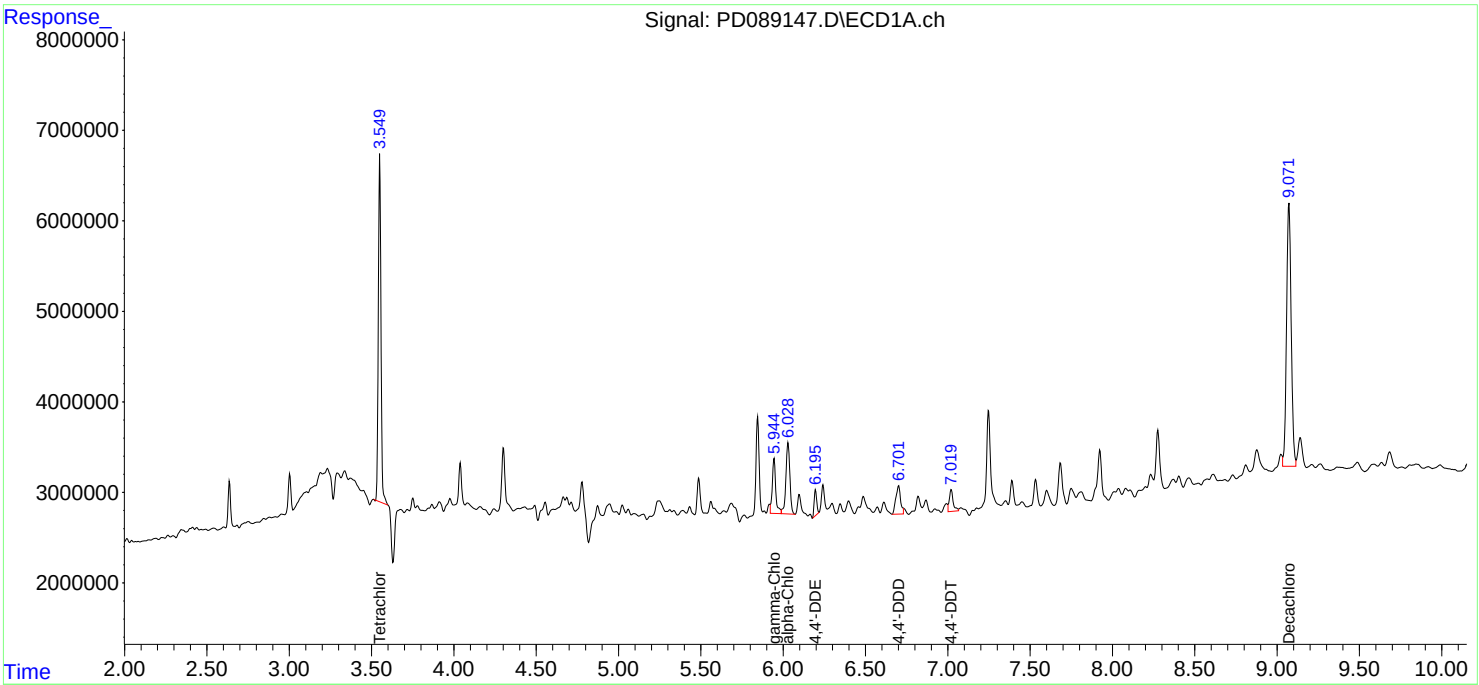
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD062525\
Data File : PD089147.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Jun 2025 19:57
Operator : AR\AJ
Sample : Q2393-05
Misc :
ALS Vial : 26 Sample Multiplier: 1

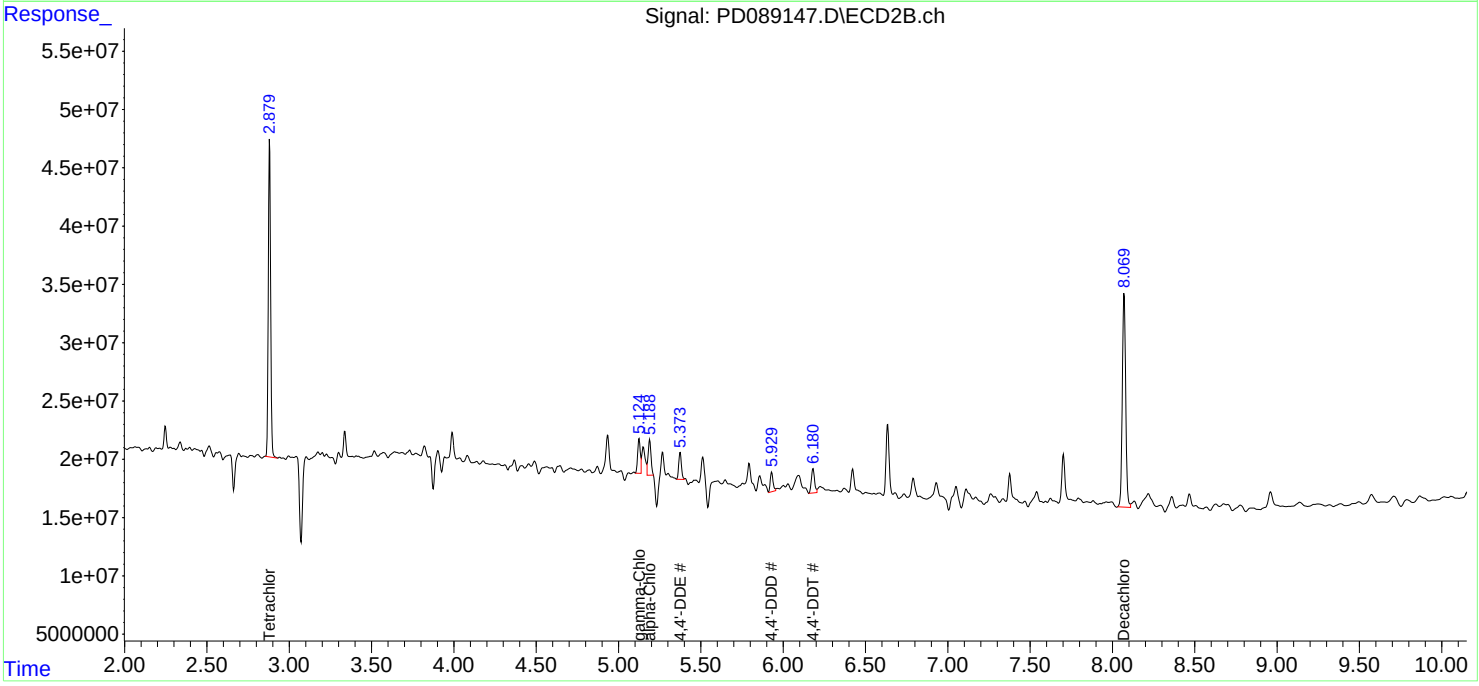
Instrument :
ECD_D
ClientSampleId :
PARK AVE -3

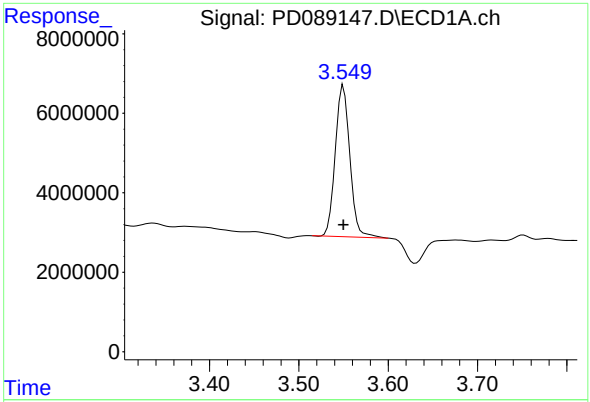
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 06/26/2025
Supervised By :mohammad ahmed 06/27/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 26 06:41:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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







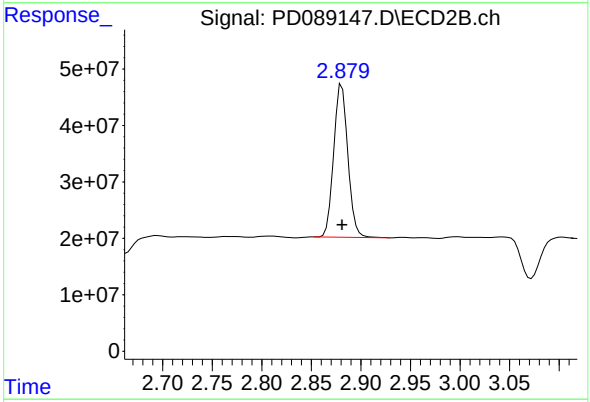
#1 Tetrachloro-m-xylene

R.T.: 3.550 min
Delta R.T.: 0.000 min
Response: 43157521
Conc: 15.13 ng/ml

Instrument :
ECD_D
ClientSampleId :
PARK AVE -3

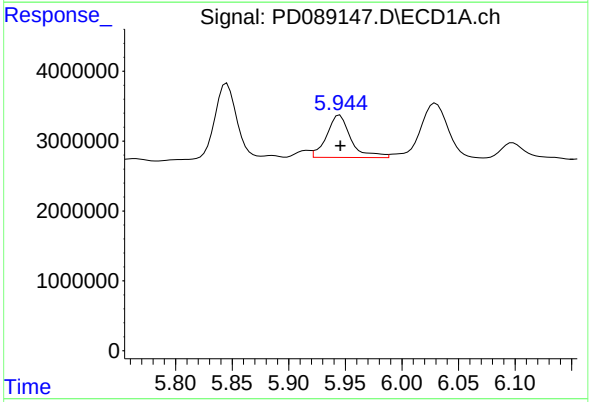
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/26/2025
Supervised By :mohammad ahmed 06/27/2025



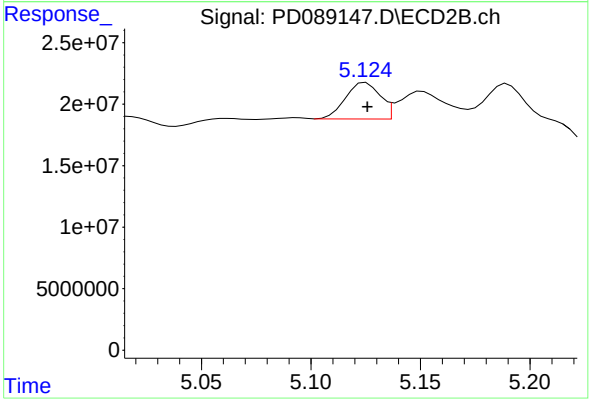
#1 Tetrachloro-m-xylene

R.T.: 2.881 min
Delta R.T.: 0.000 min
Response: 269113573
Conc: 15.87 ng/ml



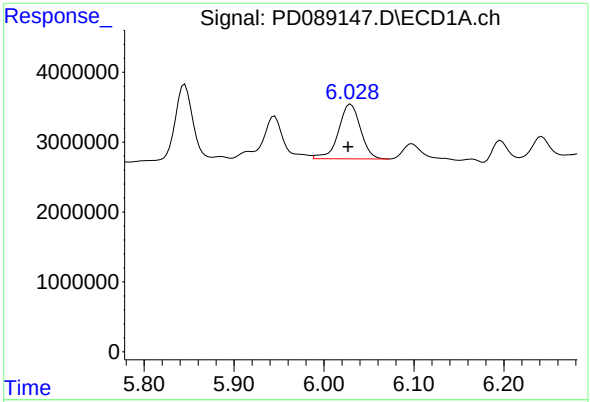
#10 gamma-Chlordane

R.T.: 5.945 min
Delta R.T.: 0.000 min
Response: 9031380
Conc: 1.89 ng/ml



#10 gamma-Chlordane

R.T.: 5.124 min
Delta R.T.: -0.002 min
Response: 33205082
Conc: 1.39 ng/ml m



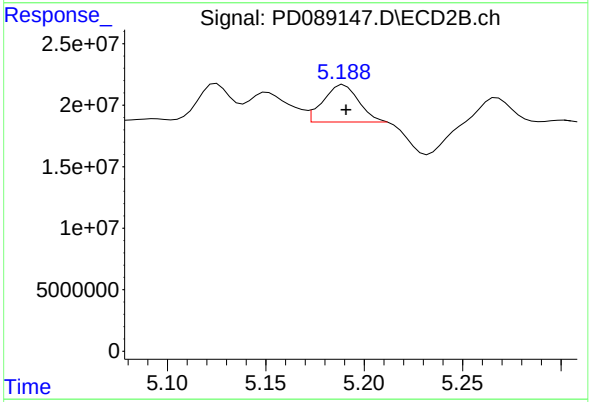
#11 alpha-Chlordane

R.T.: 6.030 min
Delta R.T.: 0.003 min
Response: 13308266
Conc: 2.75 ng/ml

Instrument :
ECD_D
ClientSampleId :
PARK AVE -3

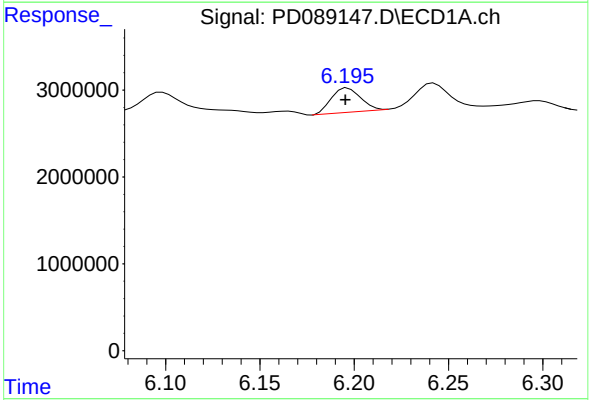
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/26/2025
Supervised By :mohammad ahmed 06/27/2025



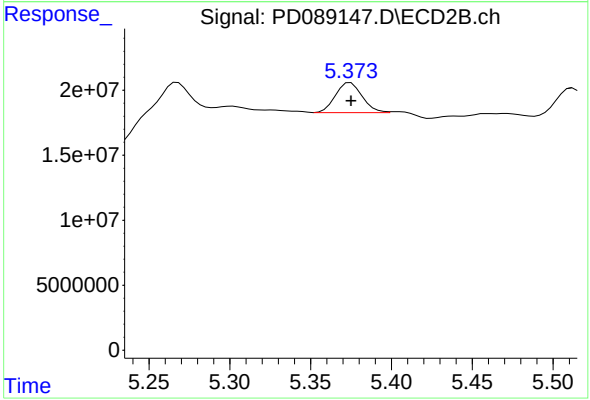
#11 alpha-Chlordane

R.T.: 5.188 min
Delta R.T.: -0.002 min
Response: 37225834
Conc: 1.63 ng/ml m



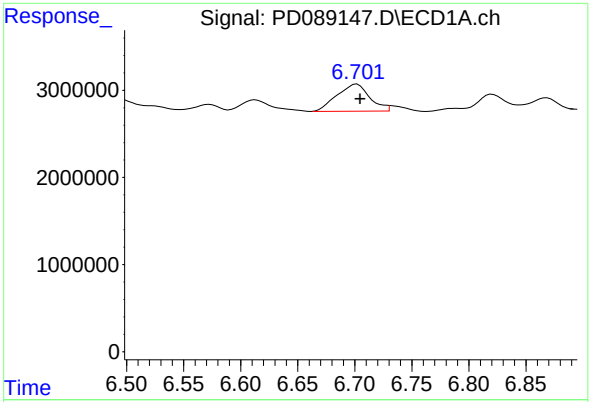
#12 4,4'-DDE

R.T.: 6.197 min
Delta R.T.: 0.001 min
Response: 3017121
Conc: 0.69 ng/ml



#12 4,4'-DDE

R.T.: 5.373 min
Delta R.T.: -0.002 min
Response: 26757879
Conc: 1.17 ng/ml m



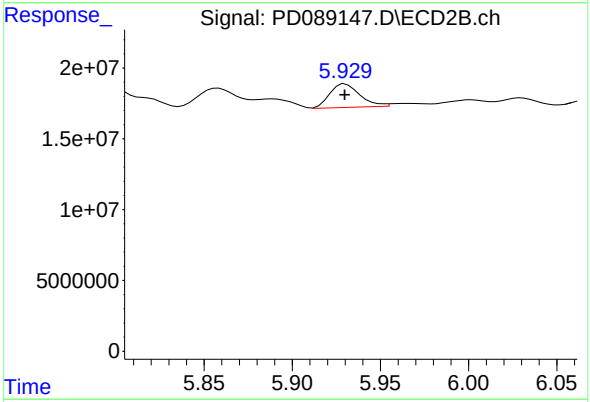
#16 4,4'-DDD

R.T.: 6.701 min
Delta R.T.: -0.004 min
Response: 6261222
Conc: 1.82 ng/ml

Instrument :
ECD_D
ClientSampleId :
PARK AVE -3

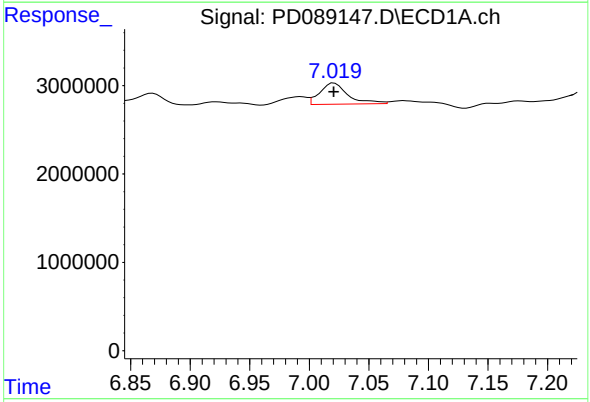
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/26/2025
Supervised By :mohammad ahmed 06/27/2025



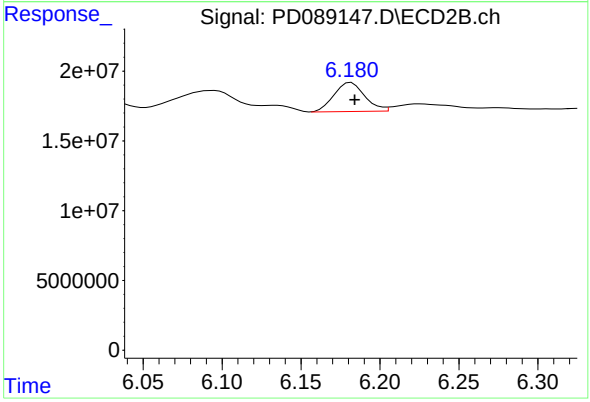
#16 4,4'-DDD

R.T.: 5.929 min
Delta R.T.: -0.001 min
Response: 18796923
Conc: 0.98 ng/ml m



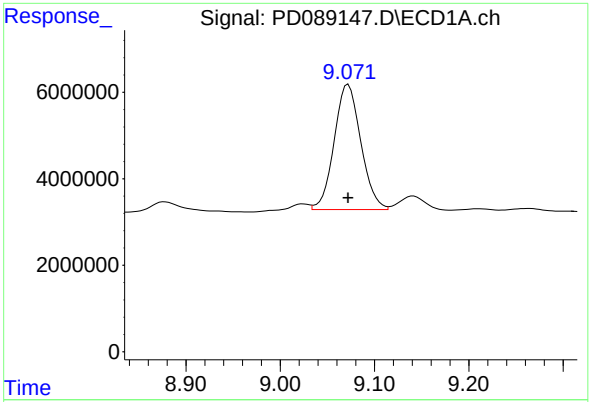
#17 4,4'-DDT

R.T.: 7.021 min
Delta R.T.: 0.000 min
Response: 3971320
Conc: 1.05 ng/ml



#17 4,4'-DDT

R.T.: 6.182 min
Delta R.T.: -0.002 min
Response: 28246117
Conc: 1.39 ng/ml



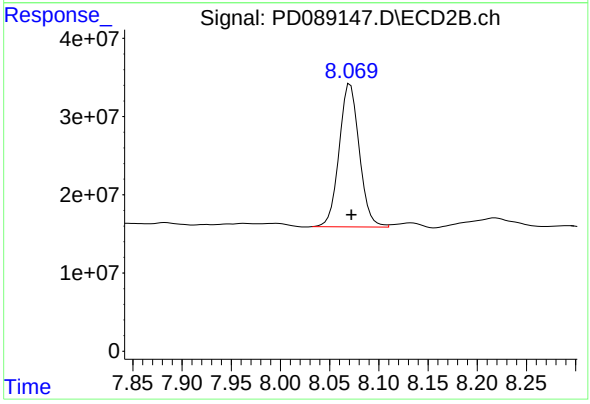
#28 Decachlorobiphenyl

R.T.: 9.071 min
Delta R.T.: -0.001 min
Response: 56789006
Conc: 14.46 ng/ml

Instrument :
ECD_D
ClientSampleId :
PARK AVE -3

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/26/2025
Supervised By :mohammad ahmed 06/27/2025



#28 Decachlorobiphenyl

R.T.: 8.071 min
Delta R.T.: -0.001 min
Response: 260675039
Conc: 13.19 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD062525\
Data File : PD089148.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Jun 2025 20:10
Operator : AR\AJ
Sample : Q2393-07
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PARK AVE -4

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 06/26/2025
Supervised By :mohammad ahmed 06/27/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 26 06:41:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.550	2.881	33727008	211.9E6	11.821	12.497
28)	SA Decachlor...	9.073	8.072	43753099	189.7E6	11.140	9.594
	Target Compounds						
10)	B gamma-Chl...	5.944	5.124	3197551	12167653	0.668m	0.509m
11)	B alpha-Chl...	6.030	5.189	6986922	20422106	1.444	0.892m#
12)	B 4,4'-DDE	6.196	5.373	1794840	16356893	0.412m	0.714m#
16)	A 4,4'-DDD	6.703	5.929	959216	7118398	0.279m	0.372m#
17)	MA 4,4'-DDT	7.019	6.182	2800688	11650801	0.739m	0.575

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

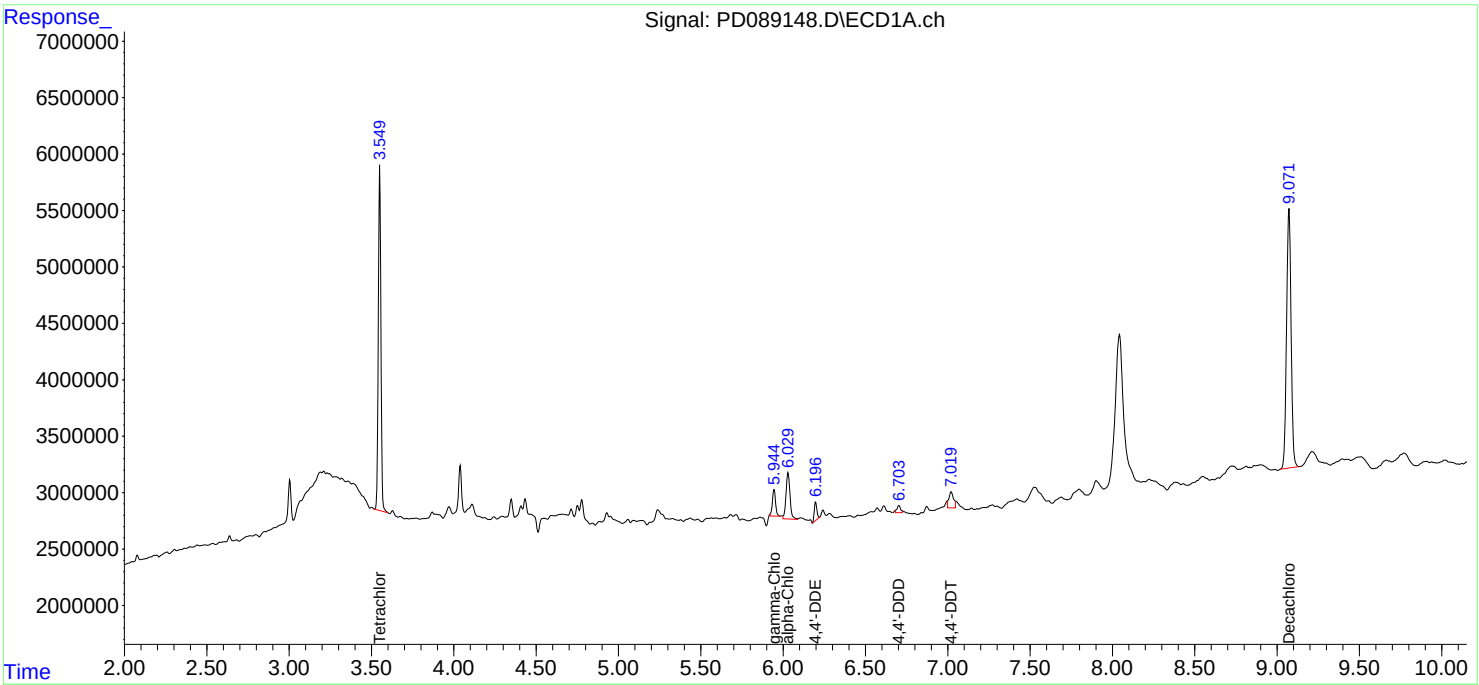
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD062525\
Data File : PD089148.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Jun 2025 20:10
Operator : AR\AJ
Sample : Q2393-07
Misc :
ALS Vial : 27 Sample Multiplier: 1

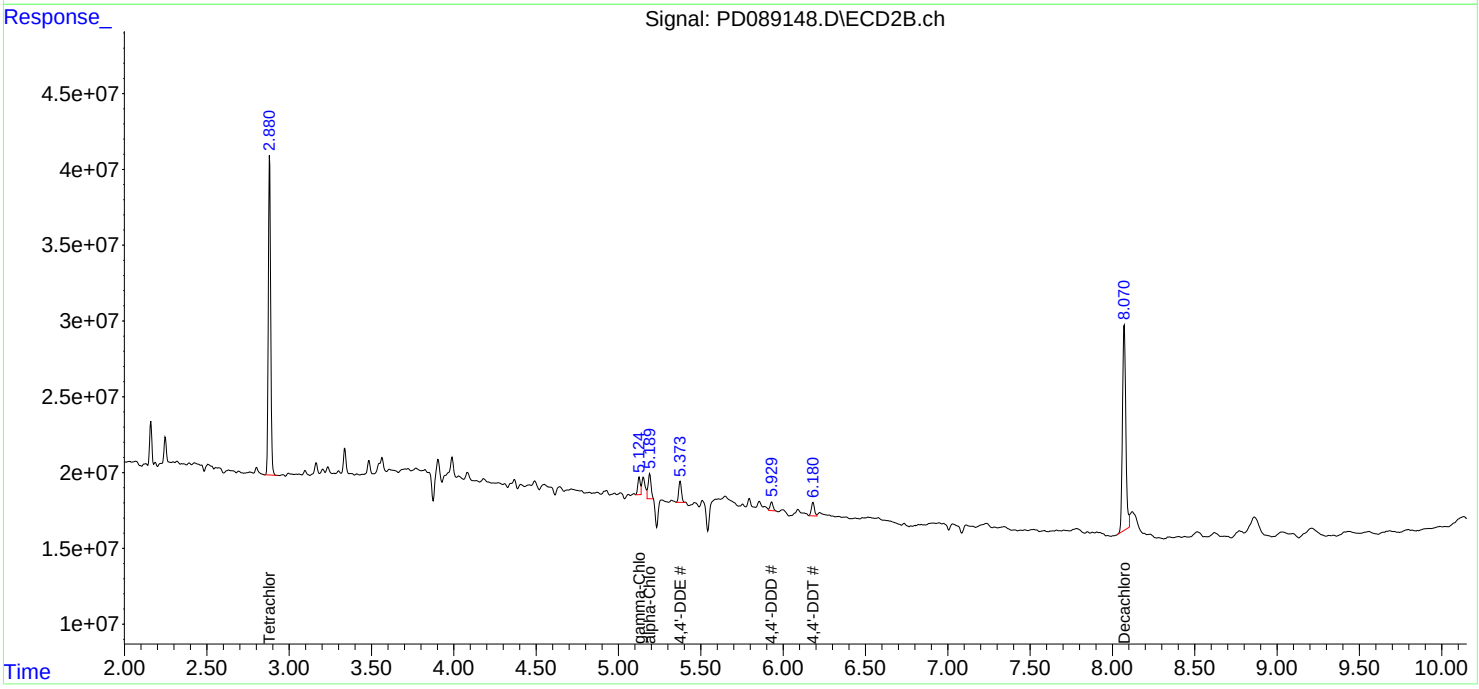
Instrument :
ECD_D
ClientSampleId :
PARK AVE -4

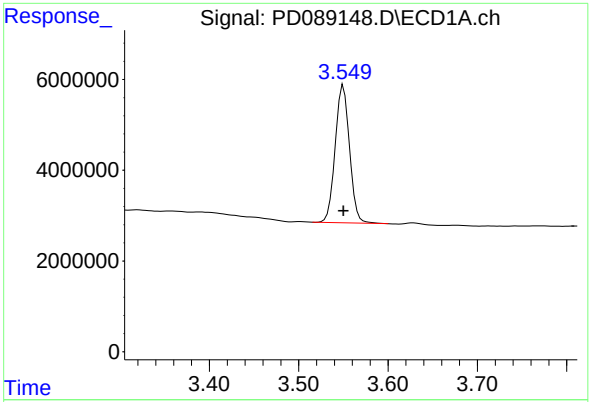
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 06/26/2025
Supervised By :mohammad ahmed 06/27/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 26 06:41:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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







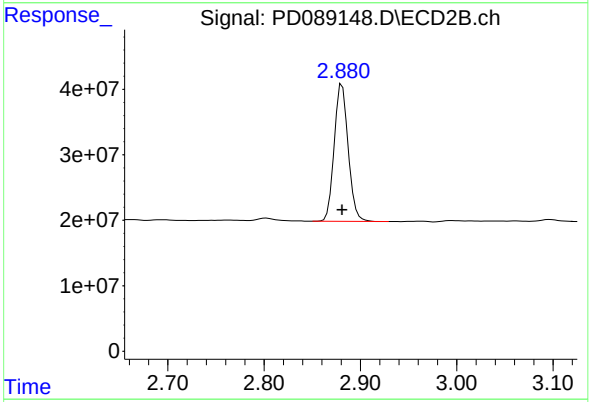
#1 Tetrachloro-m-xylene

R.T.: 3.550 min
Delta R.T.: 0.000 min
Response: 33727008
Conc: 11.82 ng/ml

Instrument :
ECD_D
ClientSampleId :
PARK AVE -4

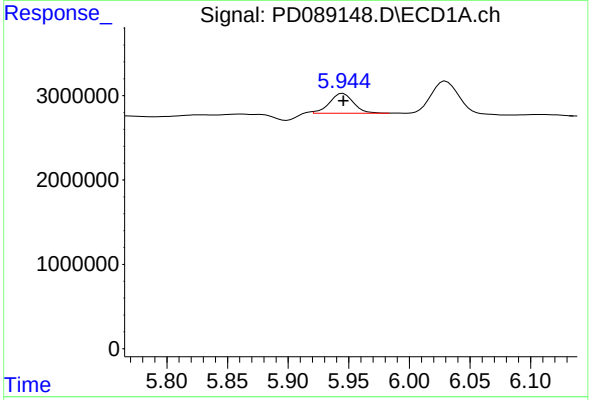
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/26/2025
Supervised By :mohammad ahmed 06/27/2025



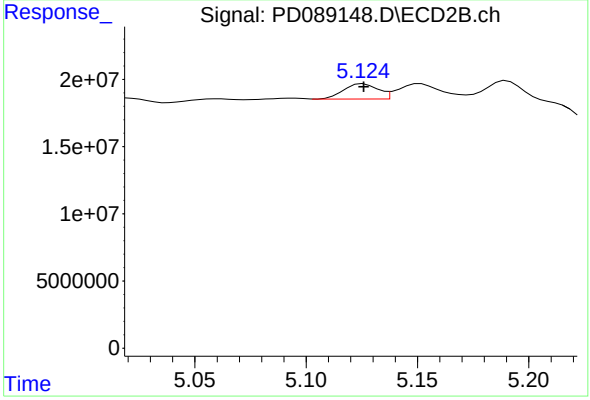
#1 Tetrachloro-m-xylene

R.T.: 2.881 min
Delta R.T.: 0.000 min
Response: 211866200
Conc: 12.50 ng/ml



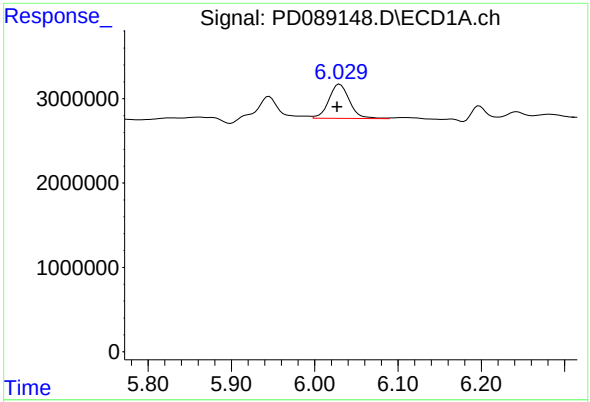
#10 gamma-Chlordane

R.T.: 5.944 min
Delta R.T.: -0.002 min
Response: 3197551
Conc: 0.67 ng/ml m



#10 gamma-Chlordane

R.T.: 5.124 min
Delta R.T.: -0.001 min
Response: 12167653
Conc: 0.51 ng/ml m



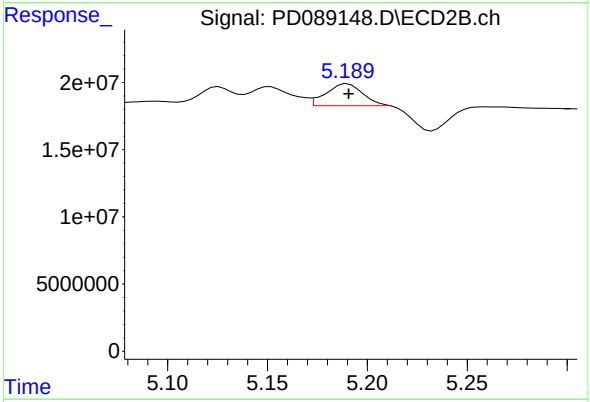
#11 alpha-Chlordane

R.T.: 6.030 min
Delta R.T.: 0.003 min
Response: 6986922
Conc: 1.44 ng/ml

Instrument :
ECD_D
ClientSampleId :
PARK AVE -4

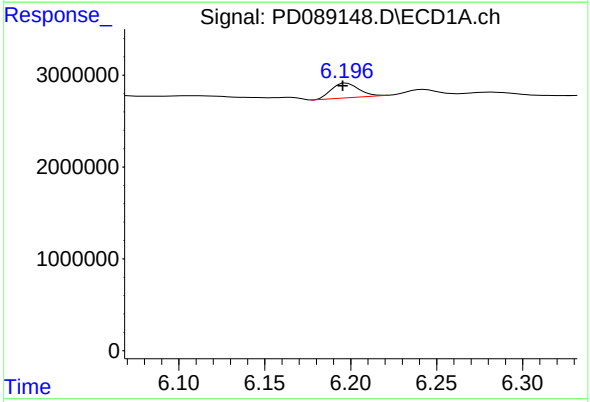
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/26/2025
Supervised By :mohammad ahmed 06/27/2025



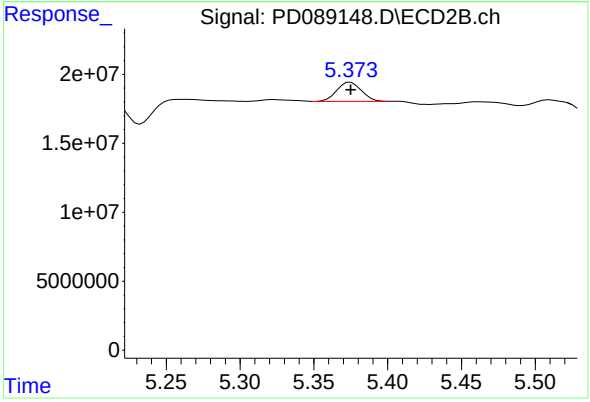
#11 alpha-Chlordane

R.T.: 5.189 min
Delta R.T.: -0.002 min
Response: 20422106
Conc: 0.89 ng/ml m



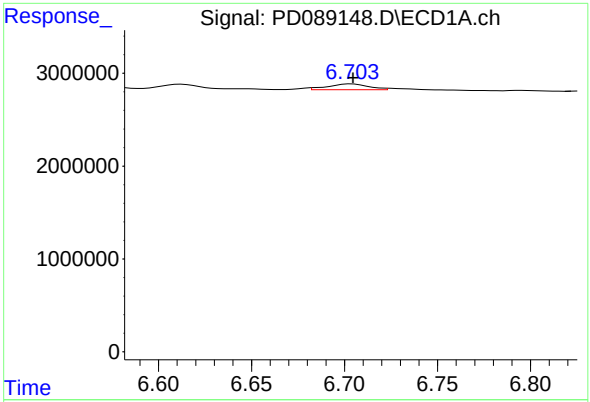
#12 4,4'-DDE

R.T.: 6.196 min
Delta R.T.: 0.000 min
Response: 1794840
Conc: 0.41 ng/ml m



#12 4,4'-DDE

R.T.: 5.373 min
Delta R.T.: -0.002 min
Response: 16356893
Conc: 0.71 ng/ml m



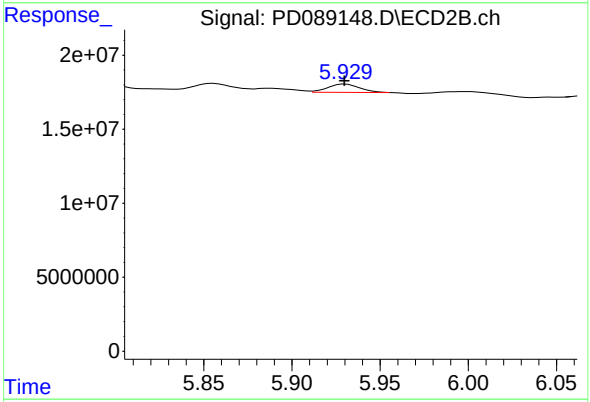
#16 4,4'-DDD

R.T.: 6.703 min
Delta R.T.: -0.002 min
Response: 959216
Conc: 0.28 ng/ml

Instrument :
ECD_D
ClientSampleId :
PARK AVE -4

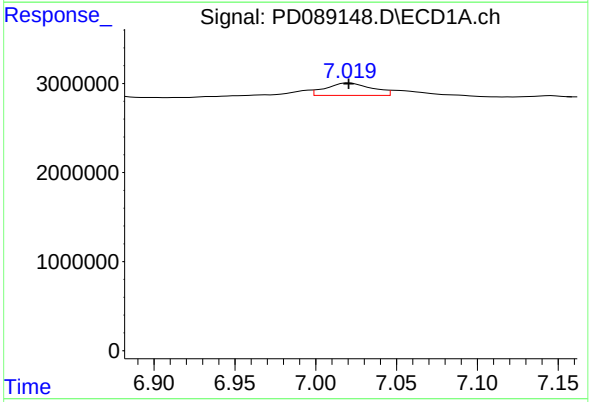
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/26/2025
Supervised By :mohammad ahmed 06/27/2025



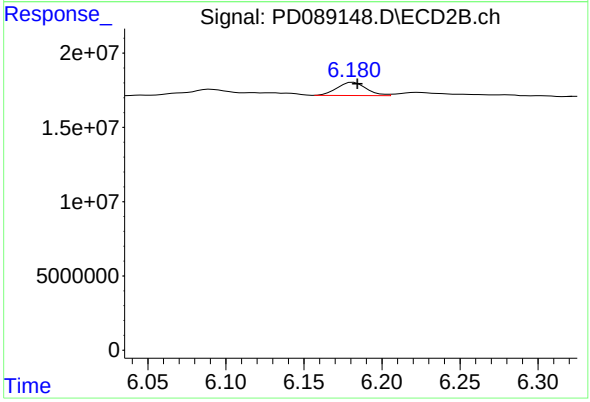
#16 4,4'-DDD

R.T.: 5.929 min
Delta R.T.: 0.000 min
Response: 7118398
Conc: 0.37 ng/ml m



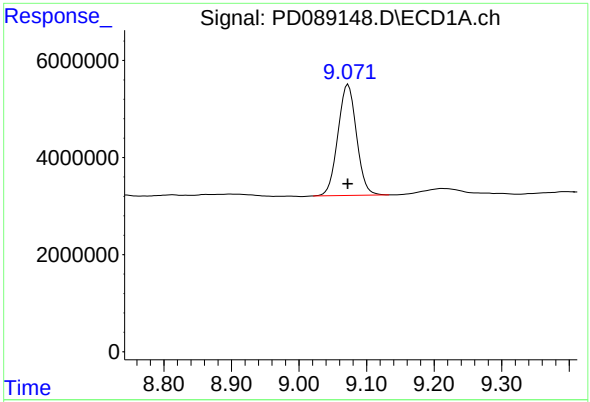
#17 4,4'-DDT

R.T.: 7.019 min
Delta R.T.: 0.000 min
Response: 2800688
Conc: 0.74 ng/ml m



#17 4,4'-DDT

R.T.: 6.182 min
Delta R.T.: -0.002 min
Response: 11650801
Conc: 0.57 ng/ml



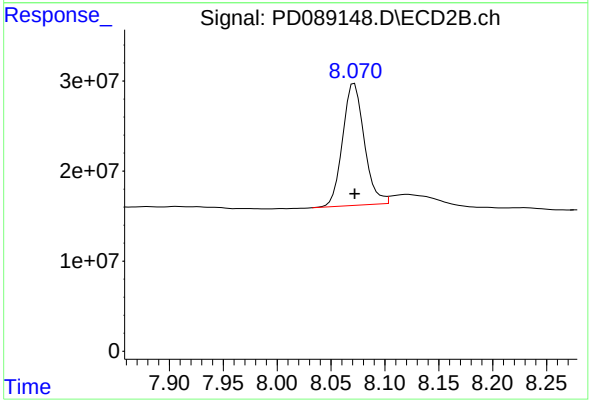
#28 Decachlorobiphenyl

R.T.: 9.073 min
Delta R.T.: 0.000 min
Response: 43753099
Conc: 11.14 ng/ml

Instrument :
ECD_D
ClientSampleId :
PARK AVE -4

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/26/2025
Supervised By :mohammad ahmed 06/27/2025



#28 Decachlorobiphenyl

R.T.: 8.072 min
Delta R.T.: 0.000 min
Response: 189671822
Conc: 9.59 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD062525\
Data File : PD089149.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Jun 2025 20:24
Operator : AR\AJ
Sample : Q2393-09
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PARK AVE -5

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 06/26/2025
Supervised By :mohammad ahmed 06/27/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 26 06:41:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.549	2.881	29062907	182.0E6	10.186	10.733
28)	SA Decachlor...	9.071	8.071	35658731	166.9E6	9.079	8.441
	Target Compounds						
5)	MB Aldrin	5.269	4.368	1918409	12351970	0.361	0.510 #
10)	B gamma-Chl...	5.943	5.124	4601524	16244417	0.961m	0.679m#
11)	B alpha-Chl...	6.029	5.188	7409527	23992526	1.531	1.048m#
12)	B 4,4'-DDE	6.194	5.373	3181857	22374537	0.730m	0.976m#
16)	A 4,4'-DDD	6.702	5.927	1153743	5915960	0.336m	0.309m
17)	MA 4,4'-DDT	7.019	6.180	1666922	15577952	0.440	0.768 #

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

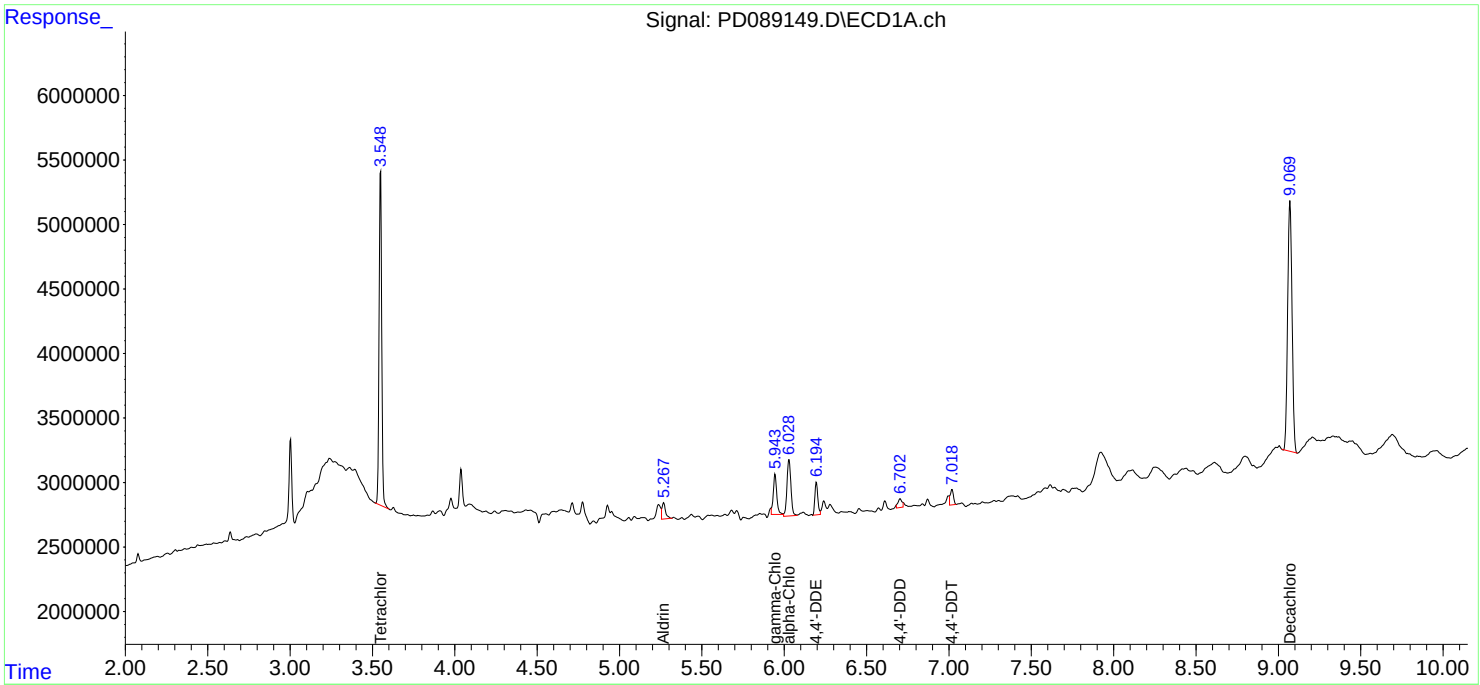
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD062525\
Data File : PD089149.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Jun 2025 20:24
Operator : AR\AJ
Sample : Q2393-09
Misc :
ALS Vial : 28 Sample Multiplier: 1

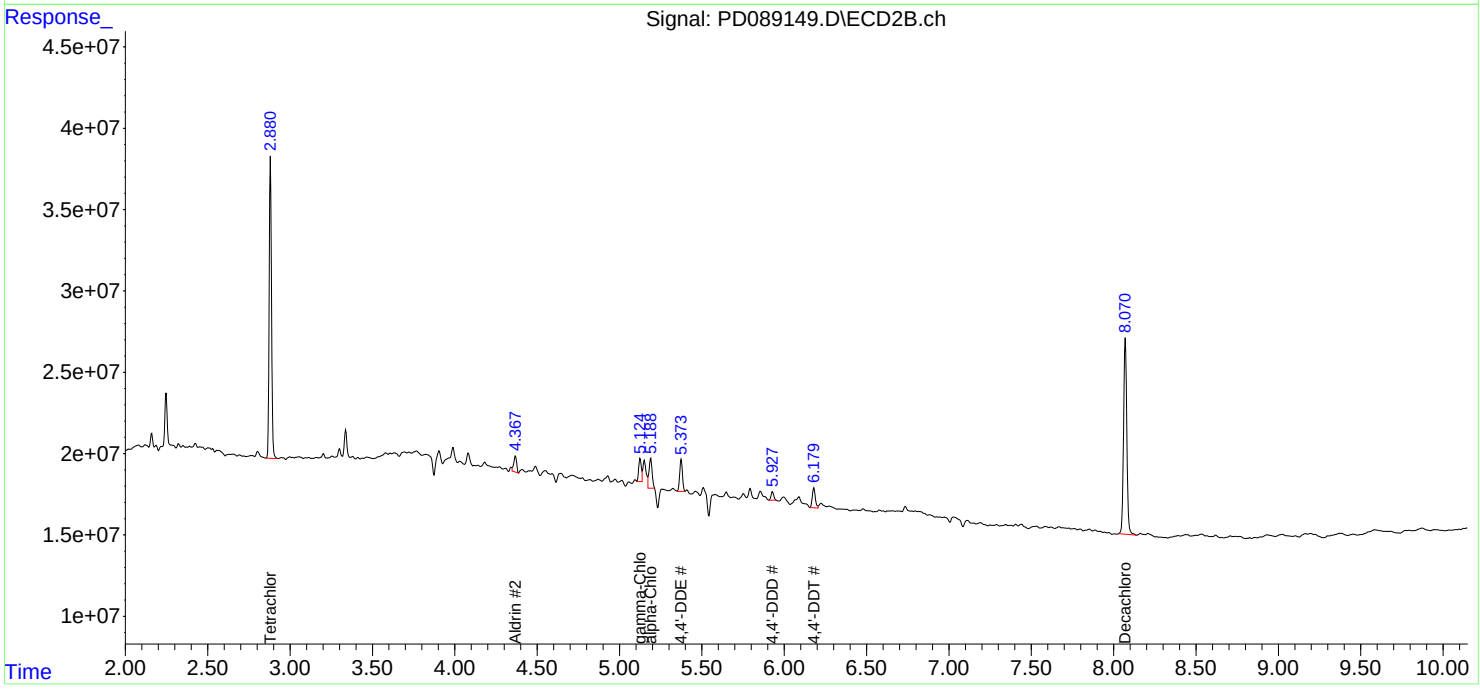
Instrument :
ECD_D
ClientSampleId :
PARK AVE -5

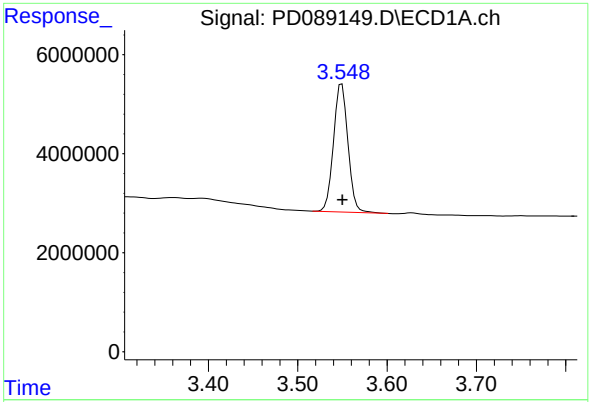
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 06/26/2025
Supervised By :mohammad ahmed 06/27/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 26 06:41:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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







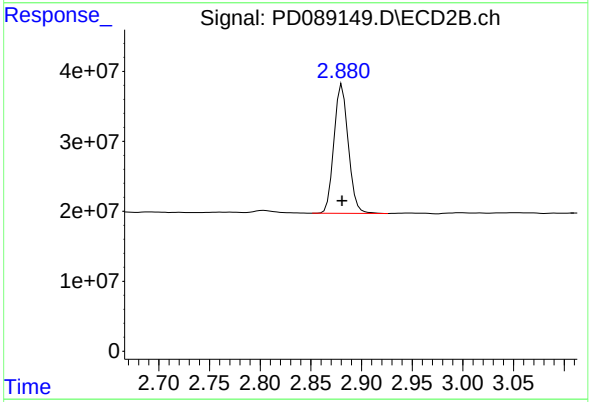
#1 Tetrachloro-m-xylene

R.T.: 3.549 min
Delta R.T.: 0.000 min
Response: 29062907
Conc: 10.19 ng/ml

Instrument :
ECD_D
ClientSampleId :
PARK AVE -5

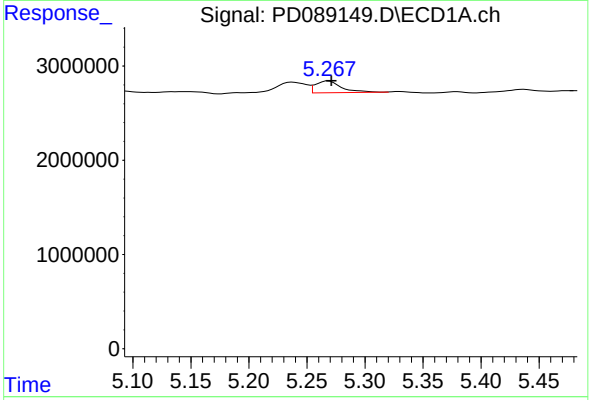
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/26/2025
Supervised By :mohammad ahmed 06/27/2025



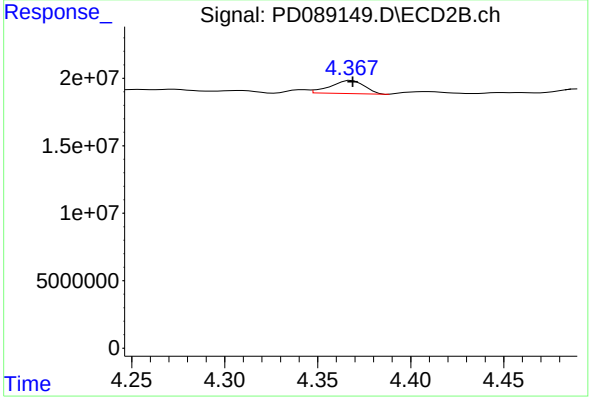
#1 Tetrachloro-m-xylene

R.T.: 2.881 min
Delta R.T.: 0.000 min
Response: 181958809
Conc: 10.73 ng/ml



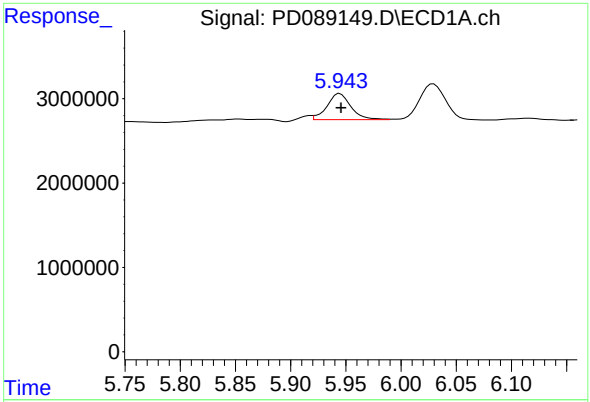
#5 Aldrin

R.T.: 5.269 min
Delta R.T.: -0.002 min
Response: 1918409
Conc: 0.36 ng/ml



#5 Aldrin

R.T.: 4.368 min
Delta R.T.: 0.000 min
Response: 12351970
Conc: 0.51 ng/ml



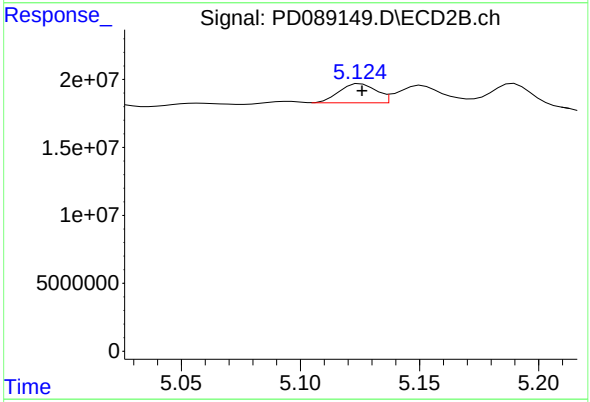
#10 gamma-Chlordane

R.T.: 5.943 min
Delta R.T.: -0.002 min
Response: 4601524
Conc: 0.96 ng/ml

Instrument :
ECD_D
ClientSampleId :
PARK AVE -5

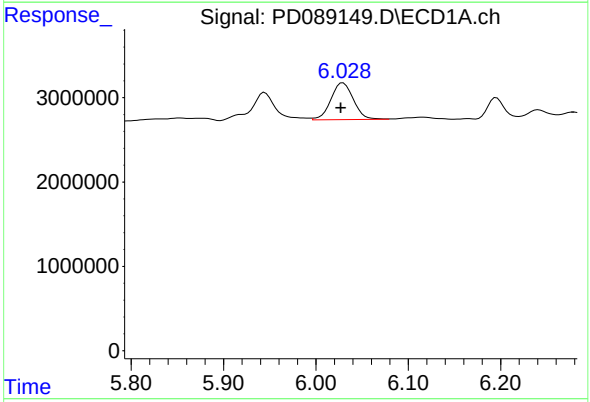
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/26/2025
Supervised By :mohammad ahmed 06/27/2025



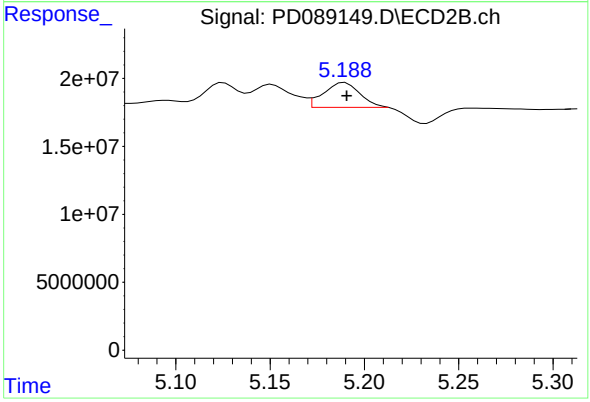
#10 gamma-Chlordane

R.T.: 5.124 min
Delta R.T.: -0.002 min
Response: 16244417
Conc: 0.68 ng/ml m



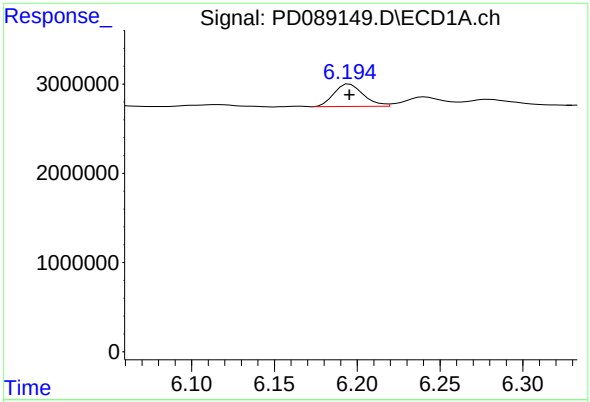
#11 alpha-Chlordane

R.T.: 6.029 min
Delta R.T.: 0.002 min
Response: 7409527
Conc: 1.53 ng/ml



#11 alpha-Chlordane

R.T.: 5.188 min
Delta R.T.: -0.002 min
Response: 23992526
Conc: 1.05 ng/ml m



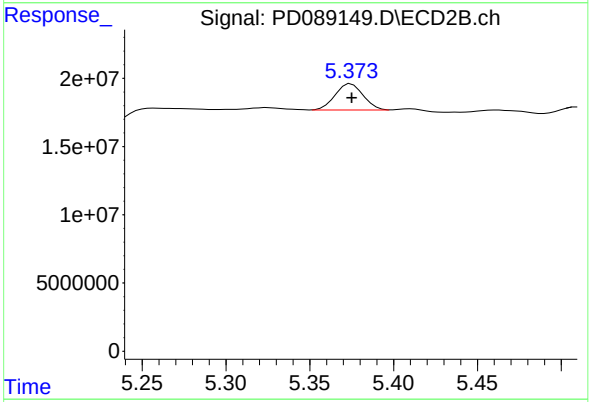
#12 4,4'-DDE

R.T.: 6.194 min
Delta R.T.: -0.001 min
Response: 3181857
Conc: 0.73 ng/ml

Instrument :
ECD_D
ClientSampleId :
PARK AVE -5

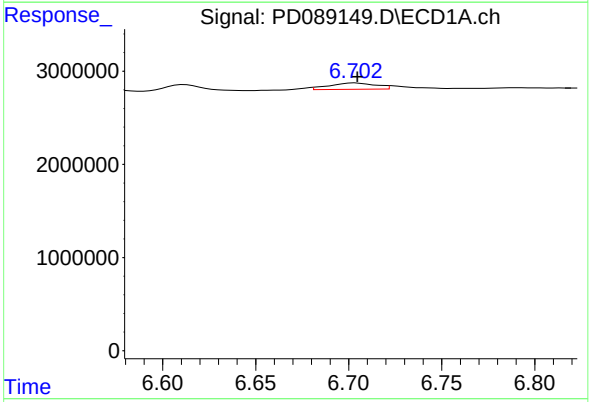
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/26/2025
Supervised By :mohammad ahmed 06/27/2025



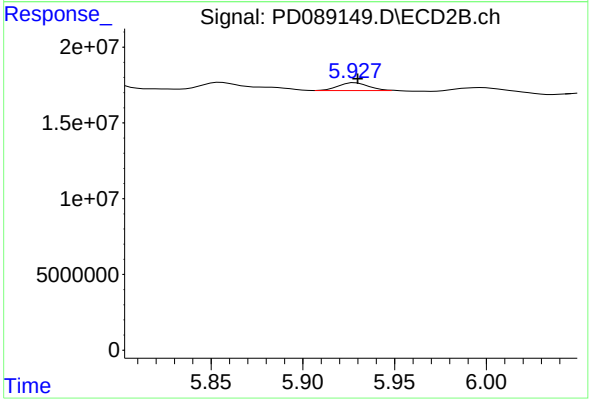
#12 4,4'-DDE

R.T.: 5.373 min
Delta R.T.: -0.002 min
Response: 22374537
Conc: 0.98 ng/ml m



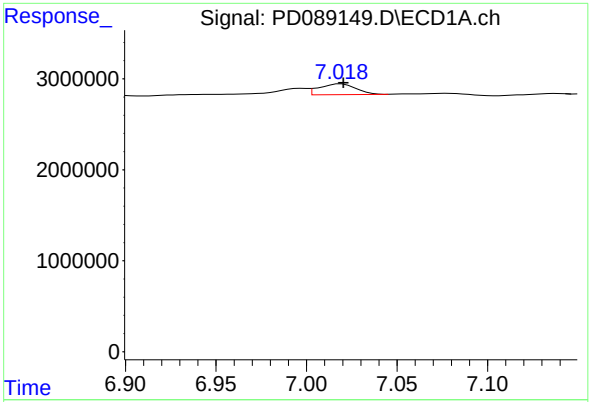
#16 4,4'-DDD

R.T.: 6.702 min
Delta R.T.: -0.002 min
Response: 1153743
Conc: 0.34 ng/ml m



#16 4,4'-DDD

R.T.: 5.927 min
Delta R.T.: -0.003 min
Response: 5915960
Conc: 0.31 ng/ml m



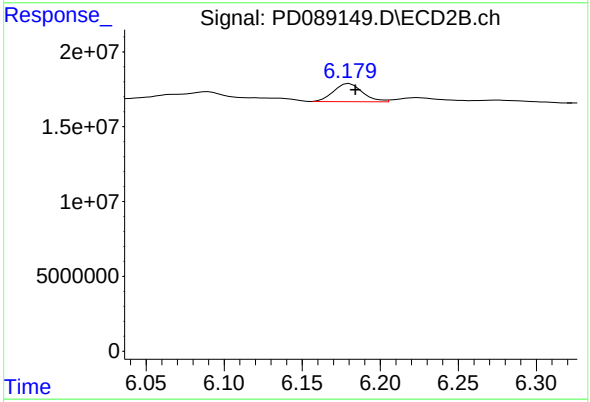
#17 4,4'-DDT

R.T.: 7.019 min
Delta R.T.: -0.001 min
Response: 1666922
Conc: 0.44 ng/ml

Instrument :
ECD_D
ClientSampleId :
PARK AVE -5

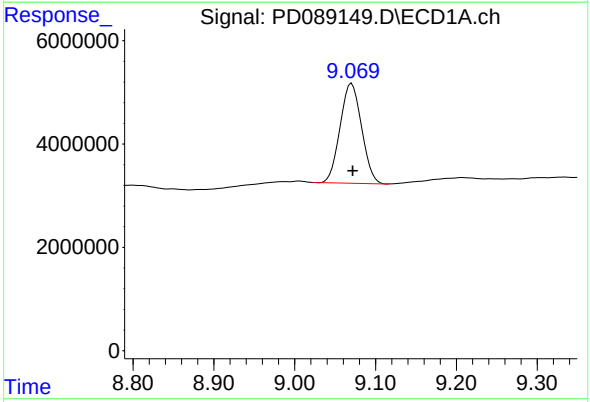
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/26/2025
Supervised By :mohammad ahmed 06/27/2025



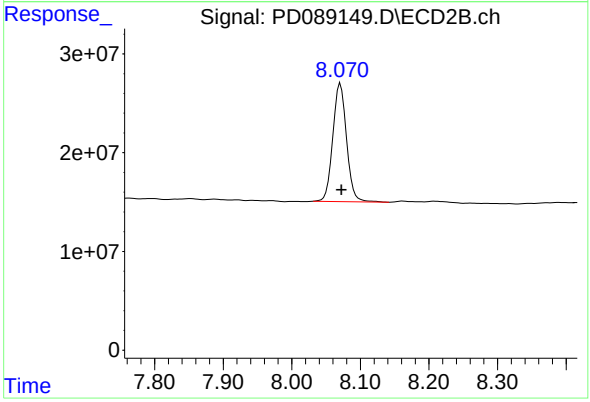
#17 4,4'-DDT

R.T.: 6.180 min
Delta R.T.: -0.004 min
Response: 15577952
Conc: 0.77 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.071 min
Delta R.T.: -0.001 min
Response: 35658731
Conc: 9.08 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.071 min
Delta R.T.: -0.001 min
Response: 166881994
Conc: 8.44 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD062525\
Data File : PD089150.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Jun 2025 20:37
Operator : AR\AJ
Sample : Q2393-11
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PARK AVE -6

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 06/26/2025
Supervised By :mohammad ahmed 06/27/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 26 06:41:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.550	2.881	29970356	187.6E6	10.504	11.068
28)	SA Decachlor...	9.072	8.072	40778081	168.5E6	10.382	8.523
	Target Compounds						
10)	B gamma-Chl...	5.944	5.124	4751162	15573126	0.992m	0.651m#
11)	B alpha-Chl...	6.030	5.188	7699487	27405449	1.591	1.197m
12)	B 4,4'-DDE	6.196	5.373	2163514	17169392	0.496	0.749m#
17)	MA 4,4'-DDT	7.019	6.178	1078162	13588966	0.285m	0.670m#

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

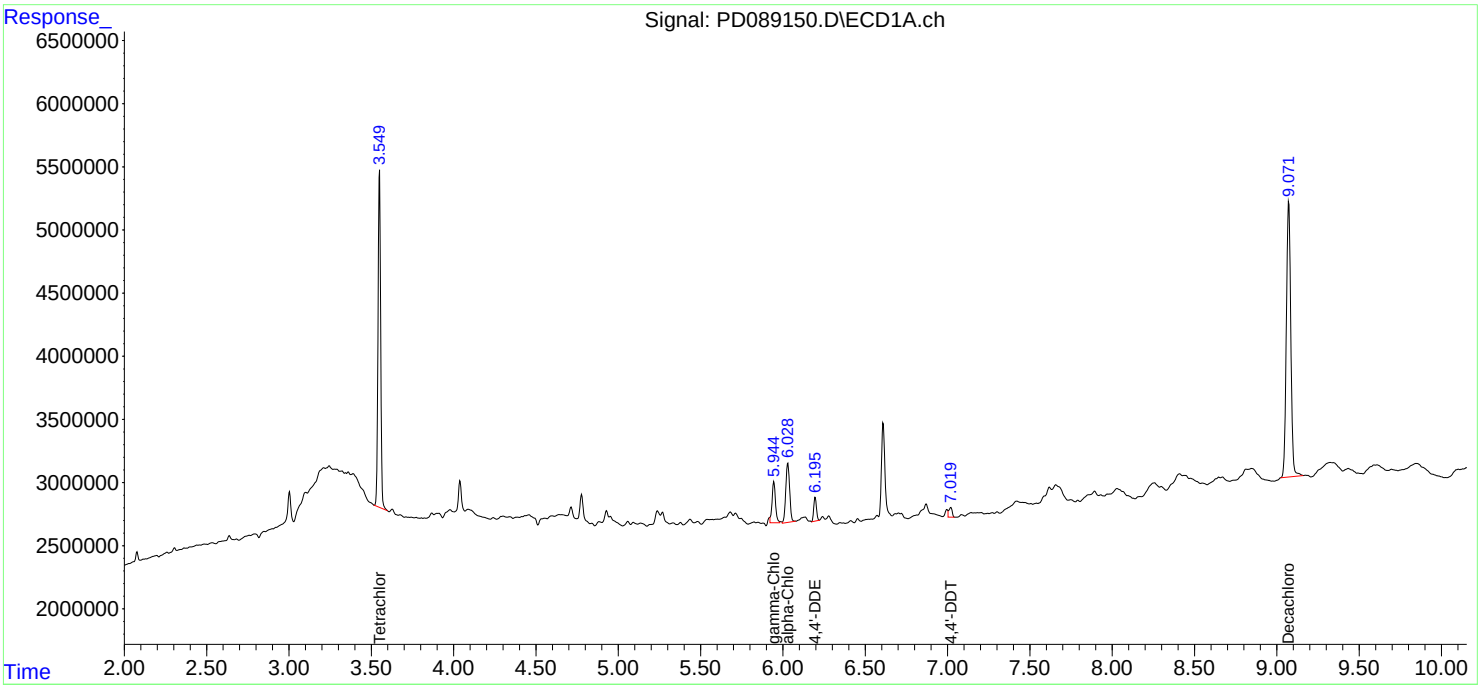
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD062525\
Data File : PD089150.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Jun 2025 20:37
Operator : AR\AJ
Sample : Q2393-11
Misc :
ALS Vial : 29 Sample Multiplier: 1

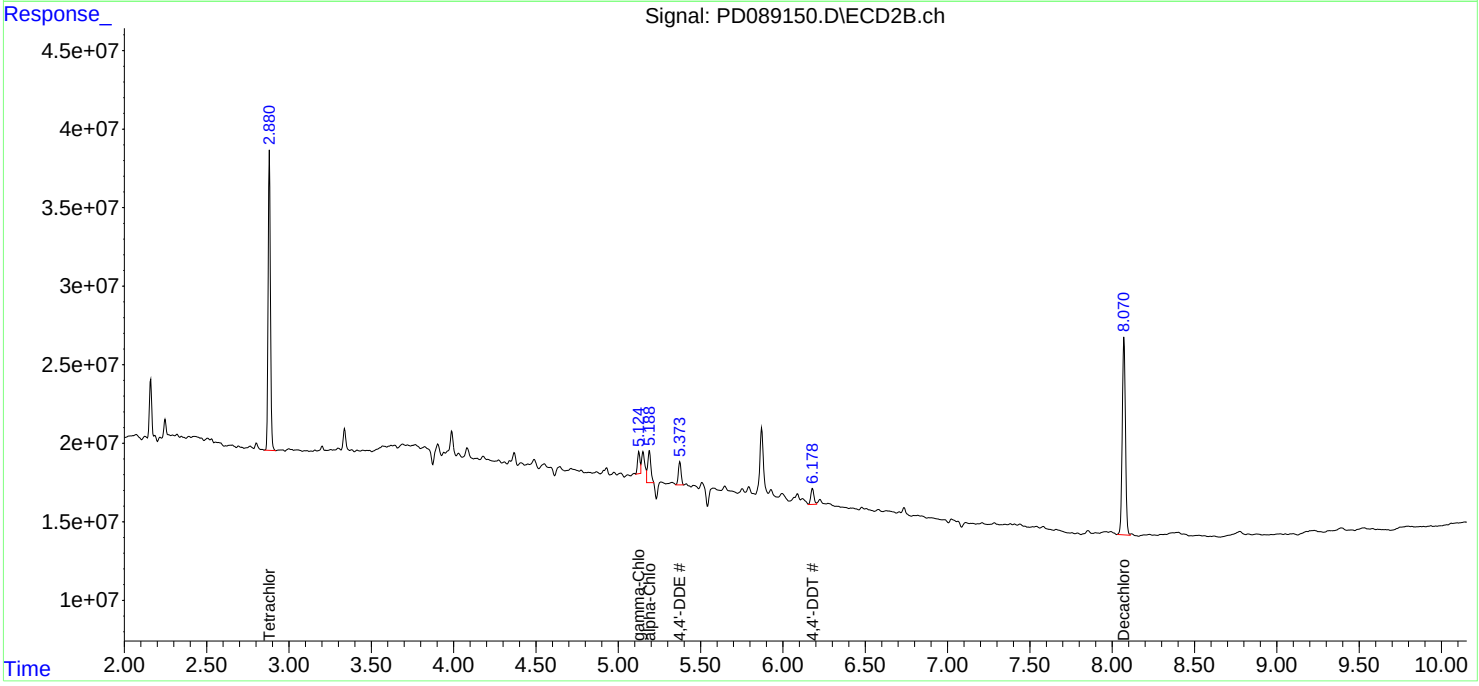
Instrument :
ECD_D
ClientSampleId :
PARK AVE -6

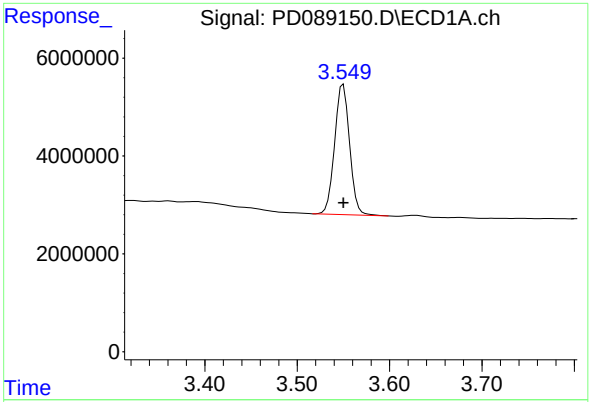
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 06/26/2025
Supervised By :mohammad ahmed 06/27/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 26 06:41:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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







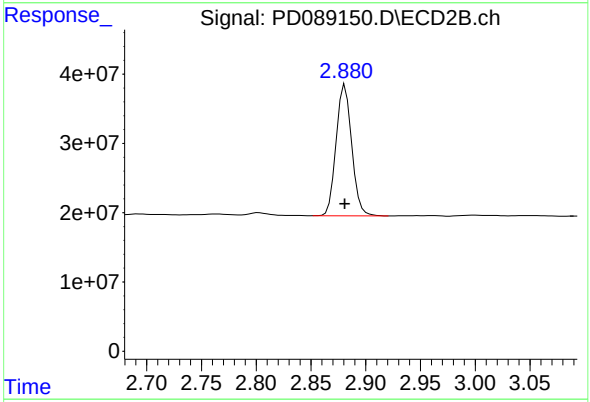
#1 Tetrachloro-m-xylene

R.T.: 3.550 min
Delta R.T.: 0.000 min
Response: 29970356
Conc: 10.50 ng/ml

Instrument :
ECD_D
ClientSampleId :
PARK AVE -6

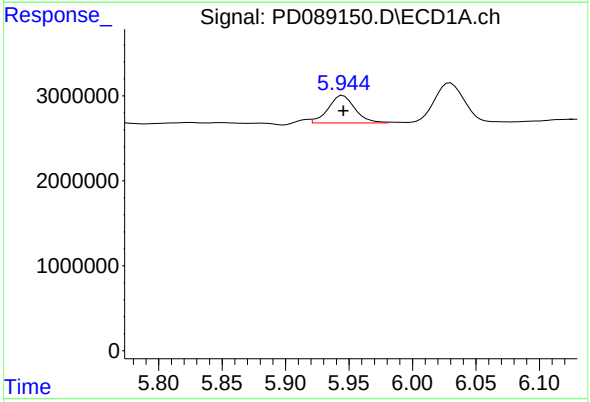
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/26/2025
Supervised By :mohammad ahmed 06/27/2025



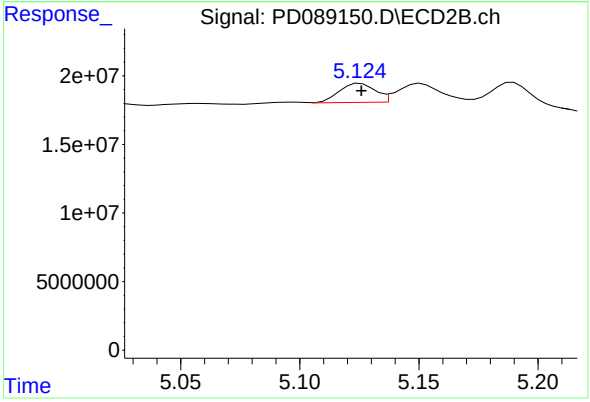
#1 Tetrachloro-m-xylene

R.T.: 2.881 min
Delta R.T.: 0.000 min
Response: 187644495
Conc: 11.07 ng/ml



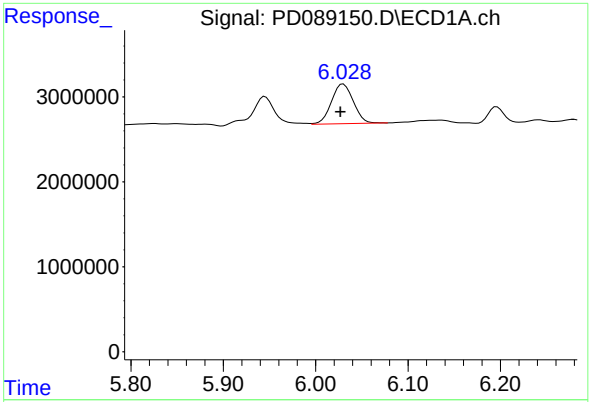
#10 gamma-Chlordane

R.T.: 5.944 min
Delta R.T.: -0.002 min
Response: 4751162
Conc: 0.99 ng/ml m



#10 gamma-Chlordane

R.T.: 5.124 min
Delta R.T.: -0.002 min
Response: 15573126
Conc: 0.65 ng/ml m



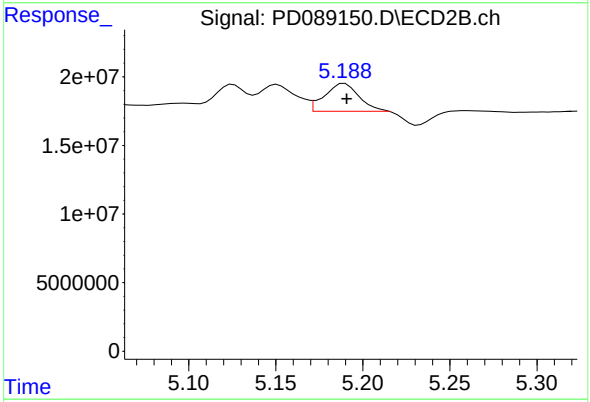
#11 alpha-Chlordane

R.T.: 6.030 min
Delta R.T.: 0.003 min
Response: 7699487
Conc: 1.59 ng/ml

Instrument :
ECD_D
ClientSampleId :
PARK AVE -6

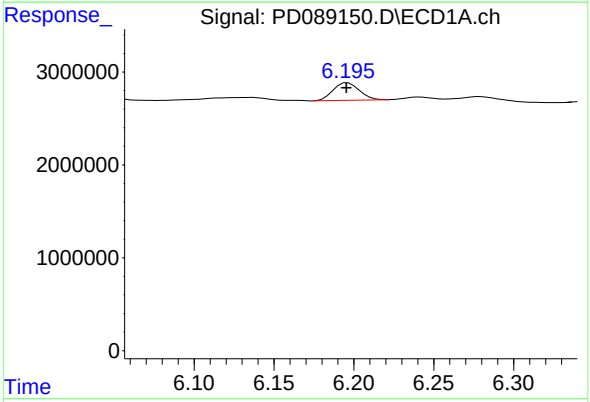
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/26/2025
Supervised By :mohammad ahmed 06/27/2025



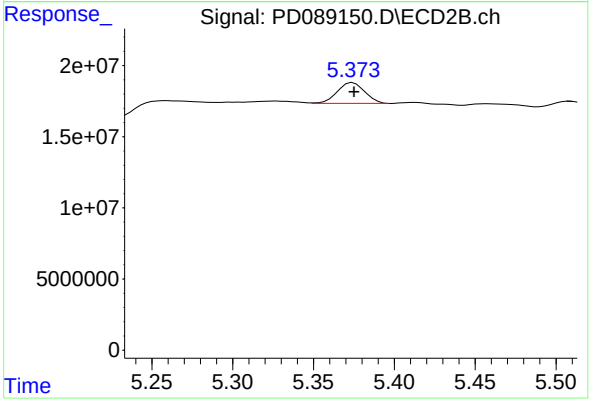
#11 alpha-Chlordane

R.T.: 5.188 min
Delta R.T.: -0.003 min
Response: 27405449
Conc: 1.20 ng/ml m



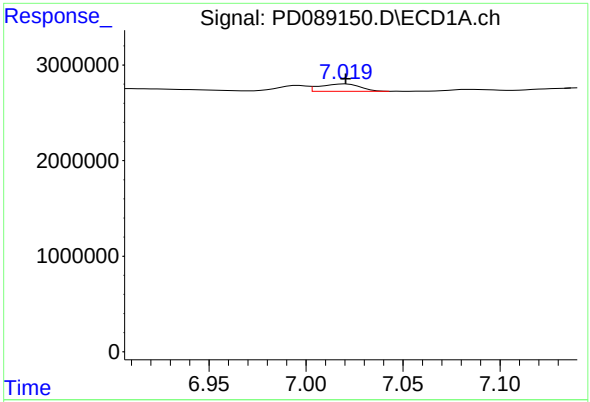
#12 4,4'-DDE

R.T.: 6.196 min
Delta R.T.: 0.000 min
Response: 2163514
Conc: 0.50 ng/ml



#12 4,4'-DDE

R.T.: 5.373 min
Delta R.T.: -0.002 min
Response: 17169392
Conc: 0.75 ng/ml m



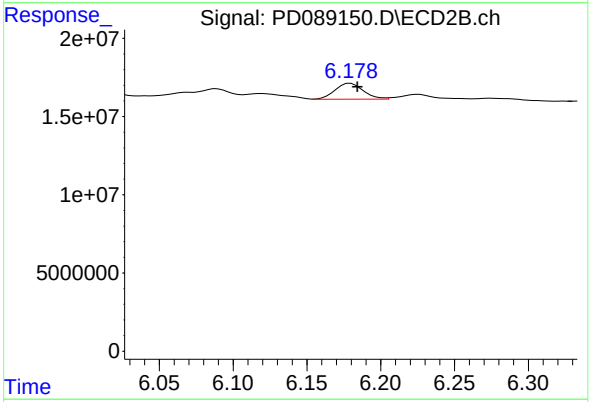
#17 4,4'-DDT

R.T.: 7.019 min
Delta R.T.: -0.001 min
Response: 1078162
Conc: 0.28 ng/ml

Instrument :
ECD_D
ClientSampleId :
PARK AVE -6

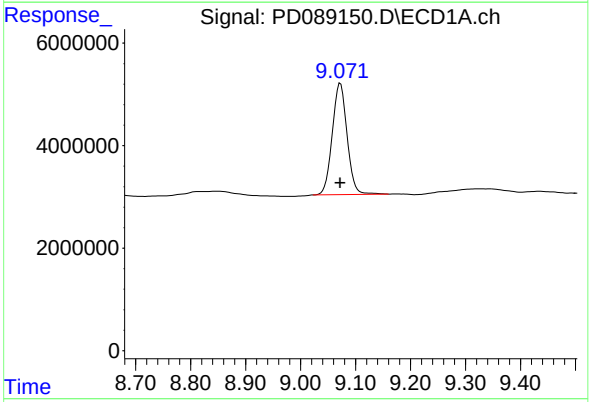
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/26/2025
Supervised By :mohammad ahmed 06/27/2025



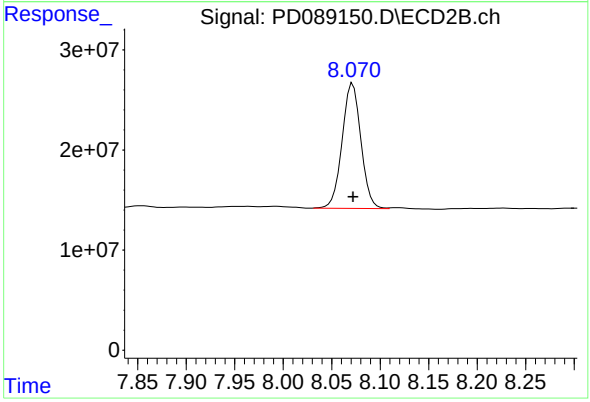
#17 4,4'-DDT

R.T.: 6.178 min
Delta R.T.: -0.006 min
Response: 13588966
Conc: 0.67 ng/ml m



#28 Decachlorobiphenyl

R.T.: 9.072 min
Delta R.T.: 0.000 min
Response: 40778081
Conc: 10.38 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.072 min
Delta R.T.: 0.000 min
Response: 168492445
Conc: 8.52 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD062525\
Data File : PD089136.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Jun 2025 16:59
Operator : AR\AJ
Sample : PB168608BL
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PB168608BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 26 06:39:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.550	2.881	48891301	318.4E6	17.136	18.782
28)	SA Decachlor...	9.073	8.072	73640650	380.9E6	18.749	19.265
	Target Compounds						

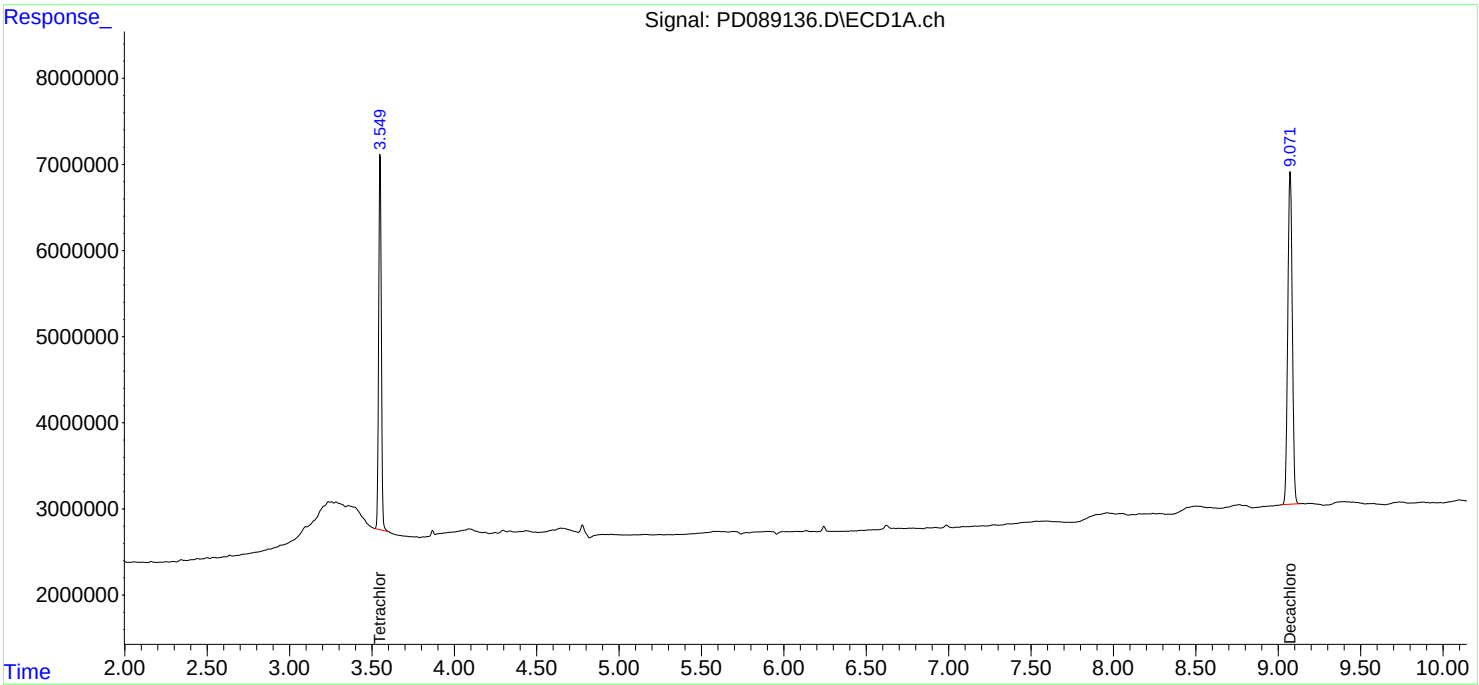
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

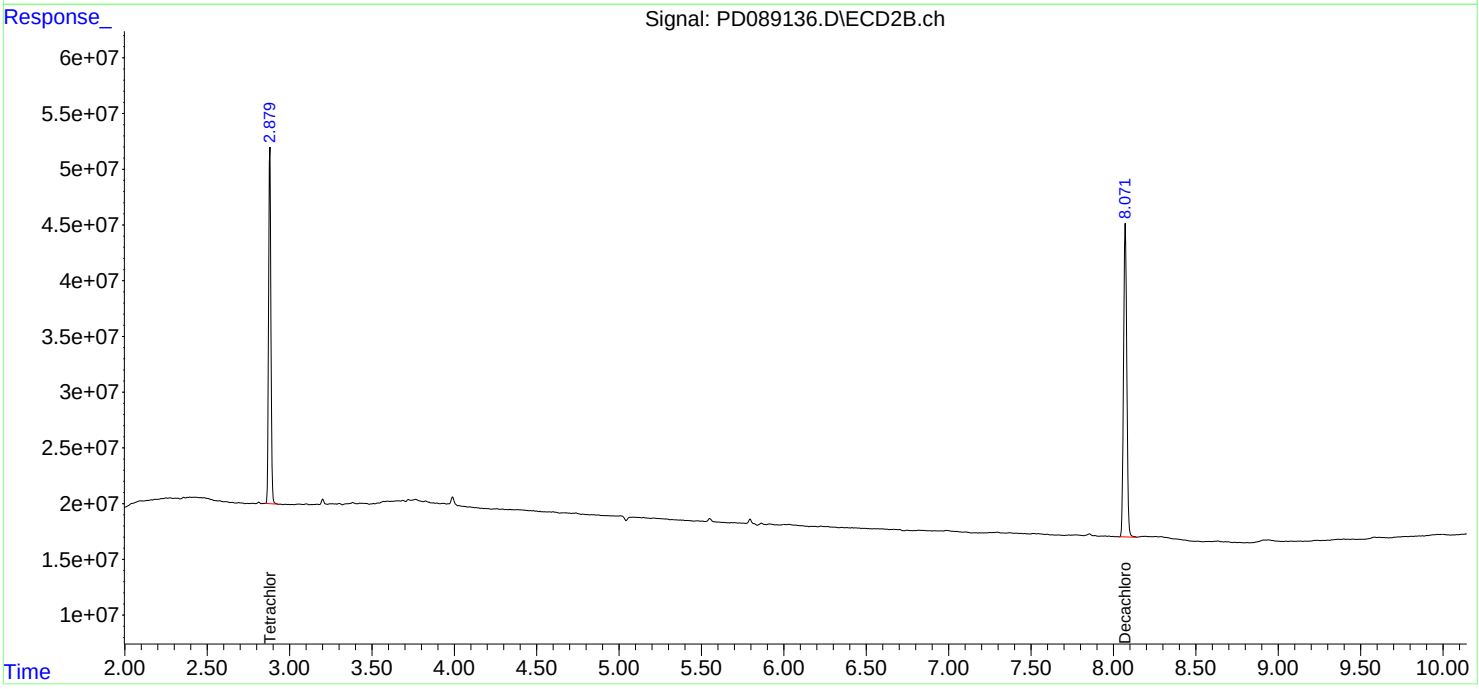
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD062525\
Data File : PD089136.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Jun 2025 16:59
Operator : AR\AJ
Sample : PB168608BL
Misc :
ALS Vial : 18 Sample Multiplier: 1

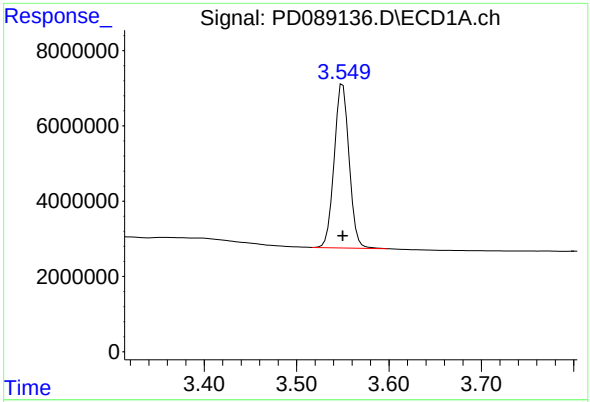
Instrument :
ECD_D
ClientSampleId :
PB168608BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 26 06:39:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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



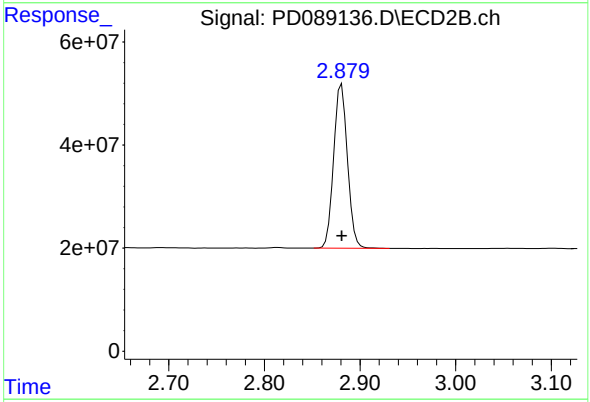




#1 Tetrachloro-m-xylene

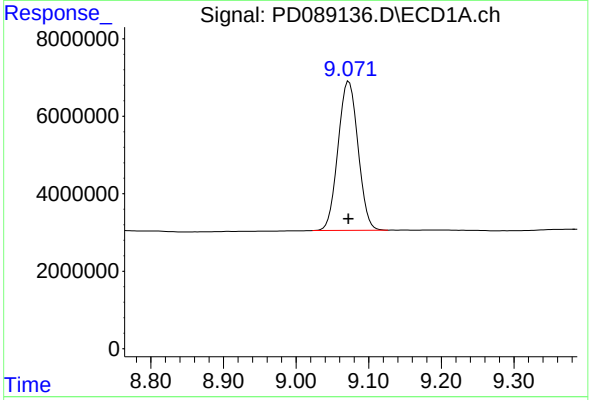
R.T.: 3.550 min
Delta R.T.: 0.000 min
Response: 48891301
Conc: 17.14 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168608BL



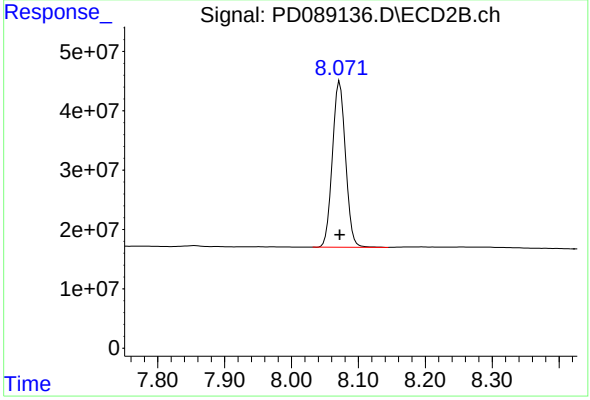
#1 Tetrachloro-m-xylene

R.T.: 2.881 min
Delta R.T.: 0.000 min
Response: 318421112
Conc: 18.78 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.073 min
Delta R.T.: 0.000 min
Response: 73640650
Conc: 18.75 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.072 min
Delta R.T.: 0.000 min
Response: 380875865
Conc: 19.27 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD062525\
Data File : PD089137.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Jun 2025 17:13
Operator : AR\AJ
Sample : PB168608BS
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PB168608BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 26 06:40:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.550	2.881	60368991	393.7E6	21.159	23.224
28)	SA Decachlor...	9.072	8.072	92733608	479.6E6	23.611	24.259
	Target Compounds						
2)	A alpha-BHC	3.999	3.393	281.1E6	1305.3E6	48.224	48.710
3)	MA gamma-BHC...	4.330	3.729	268.9E6	1205.7E6	48.174	48.702
4)	MA Heptachlor	4.929	4.083	259.0E6	1181.1E6	47.502	47.171
5)	MB Aldrin	5.271	4.368	259.3E6	1181.8E6	48.807	48.799
6)	B beta-BHC	4.516	4.025	102.8E6	517.8E6	46.595	48.183
7)	B delta-BHC	4.764	4.262	262.5E6	1215.4E6	51.142	48.863
8)	B Heptachlo...	5.691	4.872	231.3E6	1062.7E6	47.939	48.528
9)	A Endosulfan I	6.074	5.246	217.7E6	1021.4E6	48.309	49.005
10)	B gamma-Chl...	5.946	5.125	231.6E6	1169.0E6	48.373	48.868
11)	B alpha-Chl...	6.027	5.190	233.2E6	1106.8E6	48.194	48.337
12)	B 4,4'-DDE	6.196	5.375	212.5E6	1106.2E6	48.718	48.273
13)	MA Dieldrin	6.347	5.512	234.0E6	1124.1E6	48.778	48.436
14)	MA Endrin	6.574	5.789	188.9E6	981.0E6	45.777	45.178
15)	B Endosulfa...	6.785	6.080	197.8E6	971.7E6	49.006	48.113
16)	A 4,4'-DDD	6.705	5.929	171.3E6	954.6E6	49.909	49.903
17)	MA 4,4'-DDT	7.021	6.183	171.3E6	912.3E6	45.231	44.985
18)	B Endrin al...	6.915	6.258	146.0E6	727.0E6	47.640	47.482
19)	B Endosulfa...	7.149	6.482	184.3E6	938.3E6	48.028	47.822
20)	A Methoxychlor	7.493	6.754	86659387	473.8E6	42.887	44.002
21)	B Endrin ke...	7.630	6.991	200.7E6	1060.1E6	49.286	49.073
22)	Mirex	8.113	7.185	144.3E6	784.4E6	47.470	47.030

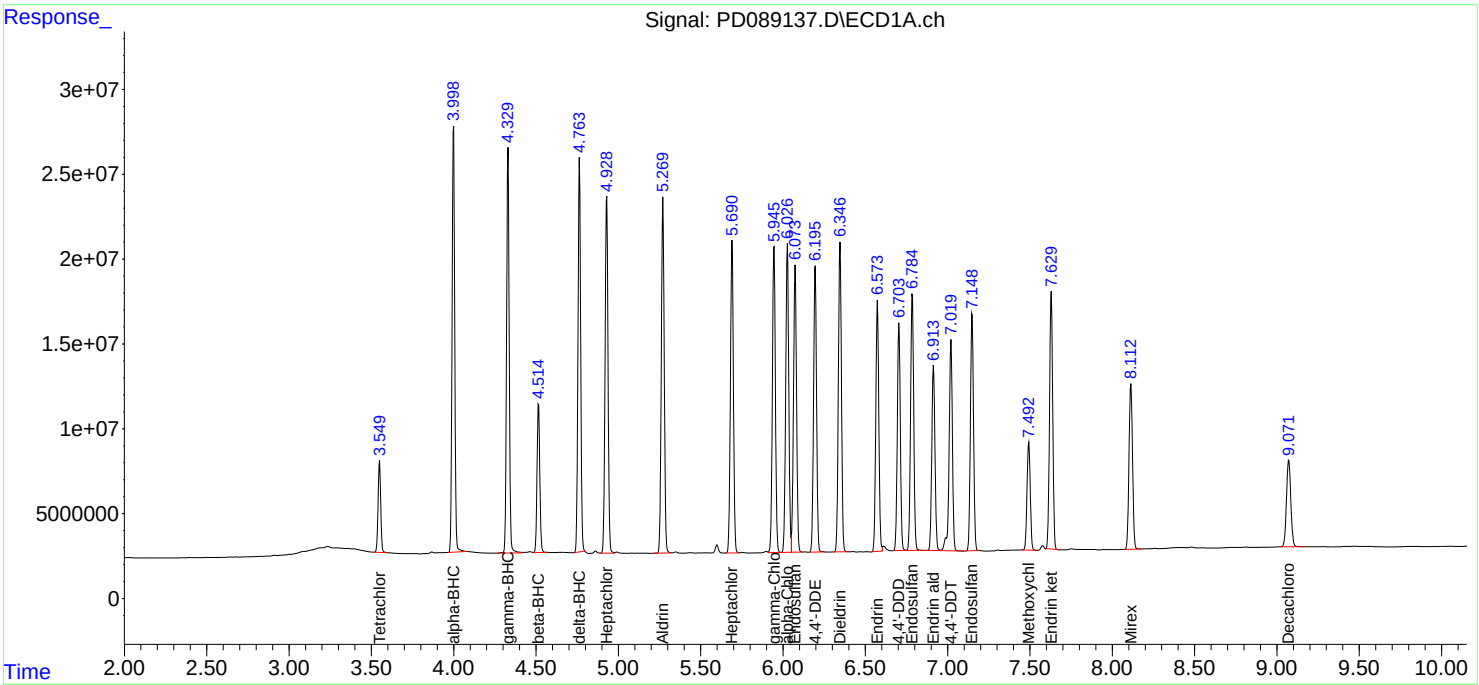
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

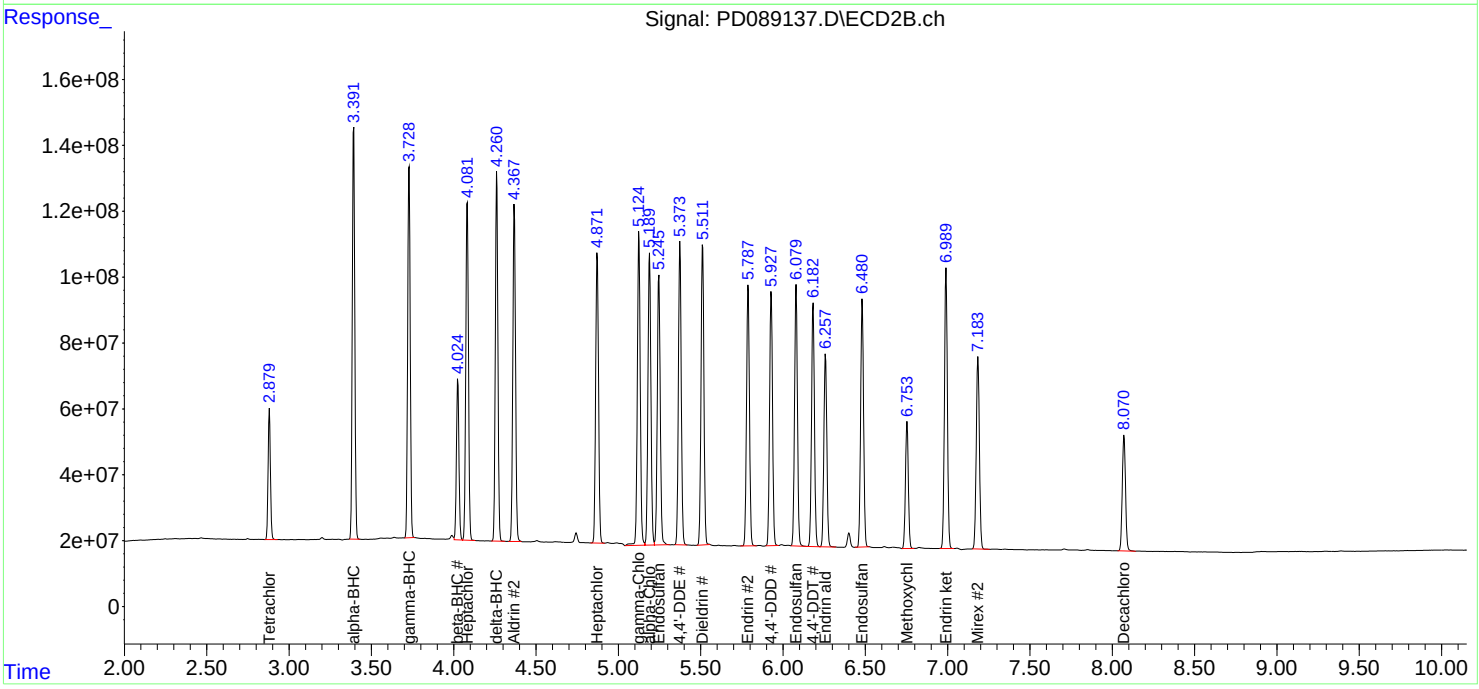
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD062525\
Data File : PD089137.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Jun 2025 17:13
Operator : AR\AJ
Sample : PB168608BS
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PB168608BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 26 06:40:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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





Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD062525\
Data File : PD089141.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Jun 2025 18:07
Operator : AR\AJ
Sample : Q2393-01MS
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PARK AVE -1MS

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 06/26/2025
Supervised By :mohammad ahmed 06/27/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 26 06:40:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.550	2.881	43687418	290.7E6	15.312	17.146
28)	SA Decachlor...	9.071	8.071	64713848	308.7E6	16.477	15.615
	Target Compounds						
2)	A alpha-BHC	3.999	3.393	262.2E6	1206.9E6	44.982	45.040
3)	MA gamma-BHC...	4.330	3.730	251.2E6	1114.9E6	45.007	45.033
4)	MA Heptachlor	4.929	4.083	236.2E6	1089.7E6	43.322	43.520
5)	MB Aldrin	5.271	4.369	236.1E6	1085.2E6	44.430	44.810
6)	B beta-BHC	4.515	4.025	95684739	477.1E6	43.352	44.401
7)	B delta-BHC	4.763	4.262	241.4E6	1117.5E6	47.031	44.927
8)	B Heptachlo...	5.690	4.872	209.7E6	965.7E6	43.479	44.098
9)	A Endosulfan I	6.074	5.247	195.2E6	915.7E6	43.298	43.933
10)	B gamma-Chl...	5.945	5.125	204.6E6	1054.3E6	42.728	44.072
11)	B alpha-Chl...	6.026	5.190	209.0E6	1005.7E6	43.187	43.923
12)	B 4,4'-DDE	6.196	5.375	187.2E6	991.0E6	42.914	43.245
13)	MA Dieldrin	6.347	5.512	208.3E6	1013.8E6	43.417	43.683
14)	MA Endrin	6.574	5.789	171.4E6	944.5E6	41.537	43.496
15)	B Endosulfa...	6.785	6.080	167.8E6	852.6E6	41.568	42.214
16)	A 4,4'-DDD	6.705	5.928	150.9E6	826.6E6	43.981	43.210m
17)	MA 4,4'-DDT	7.021	6.183	149.7E6	810.4E6	39.526	39.963
18)	B Endrin al...	6.915	6.258	131.9E6	642.2E6	43.042	41.941
19)	B Endosulfa...	7.149	6.482	160.5E6	815.4E6	41.834	41.557
20)	A Methoxychlor	7.492	6.754	79072173	415.4E6	39.132	38.577
21)	B Endrin ke...	7.630	6.991	173.8E6	886.5E6	42.661	41.039
22)	Mirex	8.113	7.185	128.4E6	677.8E6	42.243	40.639

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

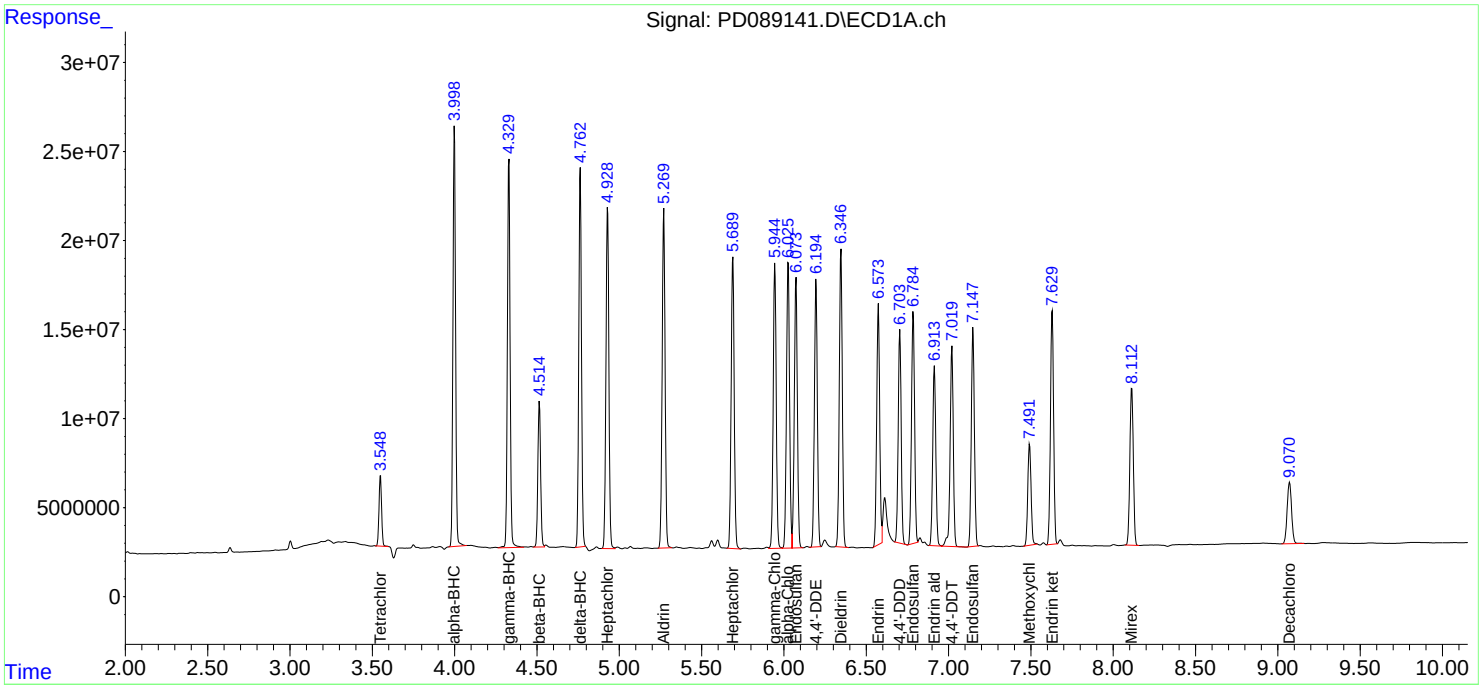
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD062525\
Data File : PD089141.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Jun 2025 18:07
Operator : AR\AJ
Sample : Q2393-01MS
Misc :
ALS Vial : 23 Sample Multiplier: 1

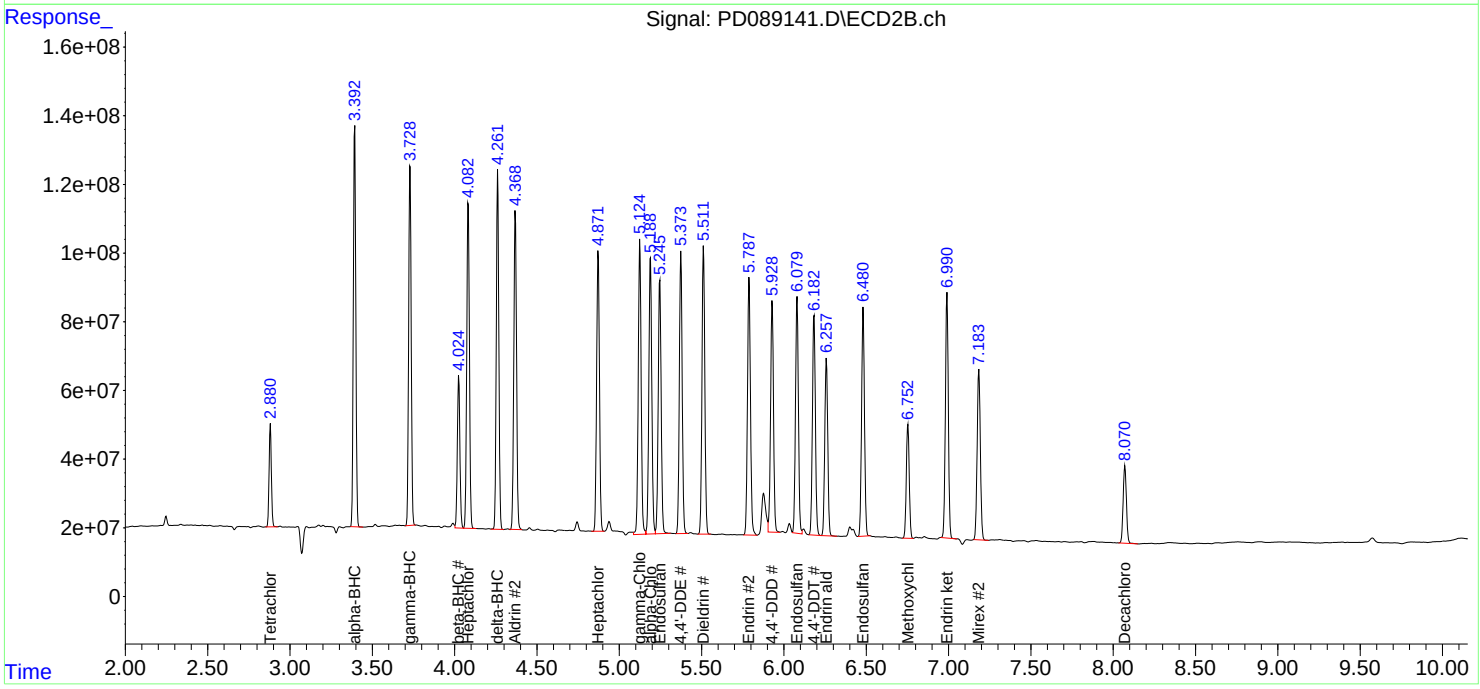
Instrument :
ECD_D
ClientSampleId :
PARK AVE -1MS

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 06/26/2025
Supervised By :mohammad ahmed 06/27/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 26 06:40:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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





Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD062525\
Data File : PD089142.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Jun 2025 18:21
Operator : AR\AJ
Sample : Q2393-01MSD
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PARK AVE -1MSD

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 26 06:41:03 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.549	2.881	44146990	291.0E6	15.473	17.167
28)	SA Decachlor...	9.071	8.071	64212523	316.9E6	16.349	16.027
	Target Compounds						
2)	A alpha-BHC	3.999	3.393	262.1E6	1208.3E6	44.962	45.090
3)	MA gamma-BHC...	4.330	3.729	250.8E6	1115.5E6	44.940	45.059
4)	MA Heptachlor	4.929	4.083	238.0E6	1095.5E6	43.662	43.753
5)	MB Aldrin	5.271	4.368	237.7E6	1085.9E6	44.741	44.841
6)	B beta-BHC	4.515	4.025	96643636	478.7E6	43.787	44.550
7)	B delta-BHC	4.763	4.262	242.0E6	1116.6E6	47.148	44.889
8)	B Heptachlo...	5.690	4.872	211.1E6	969.5E6	43.753	44.272
9)	A Endosulfan I	6.074	5.246	198.6E6	922.8E6	44.053	44.277
10)	B gamma-Chl...	5.944	5.125	206.3E6	1064.7E6	43.084	44.504
11)	B alpha-Chl...	6.026	5.189	211.8E6	1011.2E6	43.773	44.165
12)	B 4,4'-DDE	6.195	5.374	191.2E6	998.5E6	43.852	43.571
13)	MA Dieldrin	6.346	5.512	209.8E6	1018.7E6	43.726	43.895
14)	MA Endrin	6.574	5.788	178.2E6	925.5E6	43.206	42.624
15)	B Endosulfa...	6.785	6.079	168.9E6	867.9E6	41.853	42.972
16)	A 4,4'-DDD	6.704	5.928	153.4E6	803.3E6	44.687	41.993
17)	MA 4,4'-DDT	7.020	6.182	152.5E6	829.0E6	40.245	40.882
18)	B Endrin al...	6.914	6.257	133.5E6	655.7E6	43.572	42.826
19)	B Endosulfa...	7.148	6.481	162.7E6	825.6E6	42.388	42.078
20)	A Methoxychlor	7.492	6.753	79740477	425.1E6	39.463	39.478
21)	B Endrin ke...	7.629	6.990	175.0E6	906.3E6	42.964	41.956
22)	Mirex	8.113	7.184	129.2E6	692.0E6	42.506	41.492

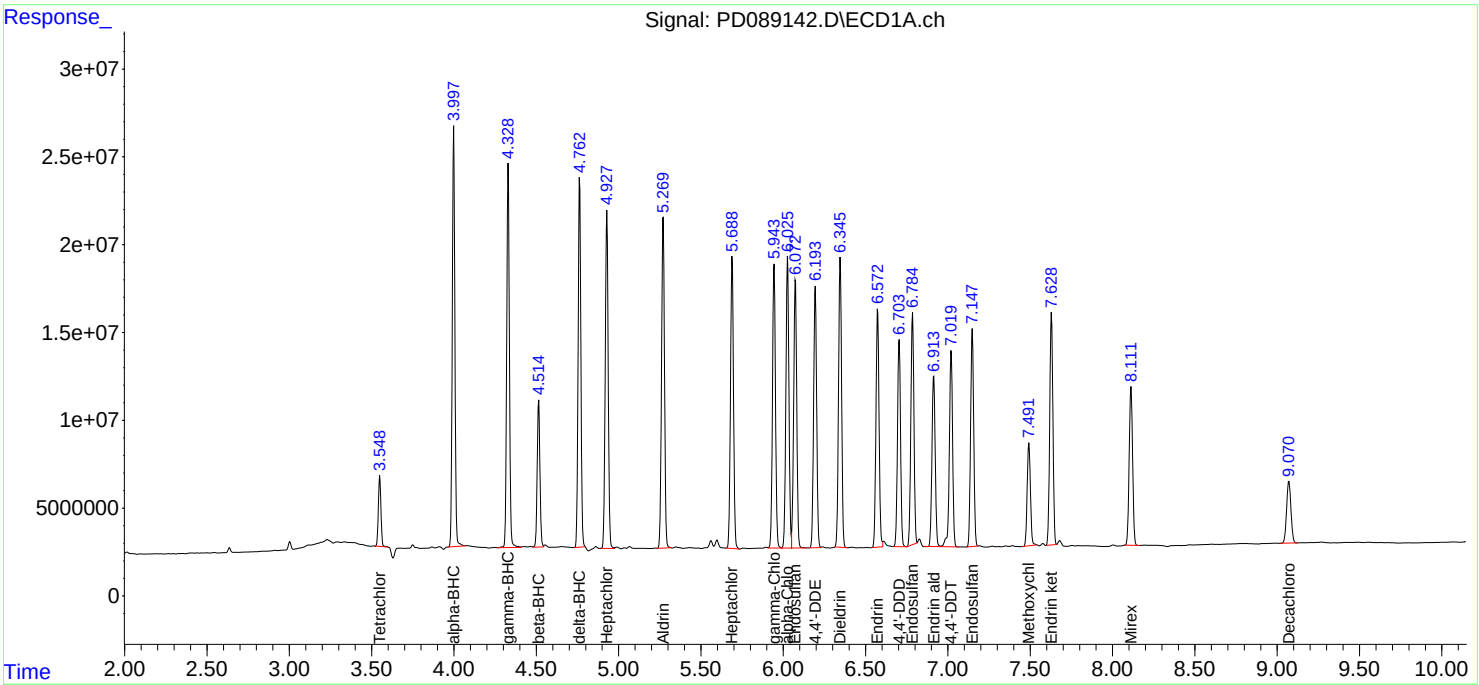
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

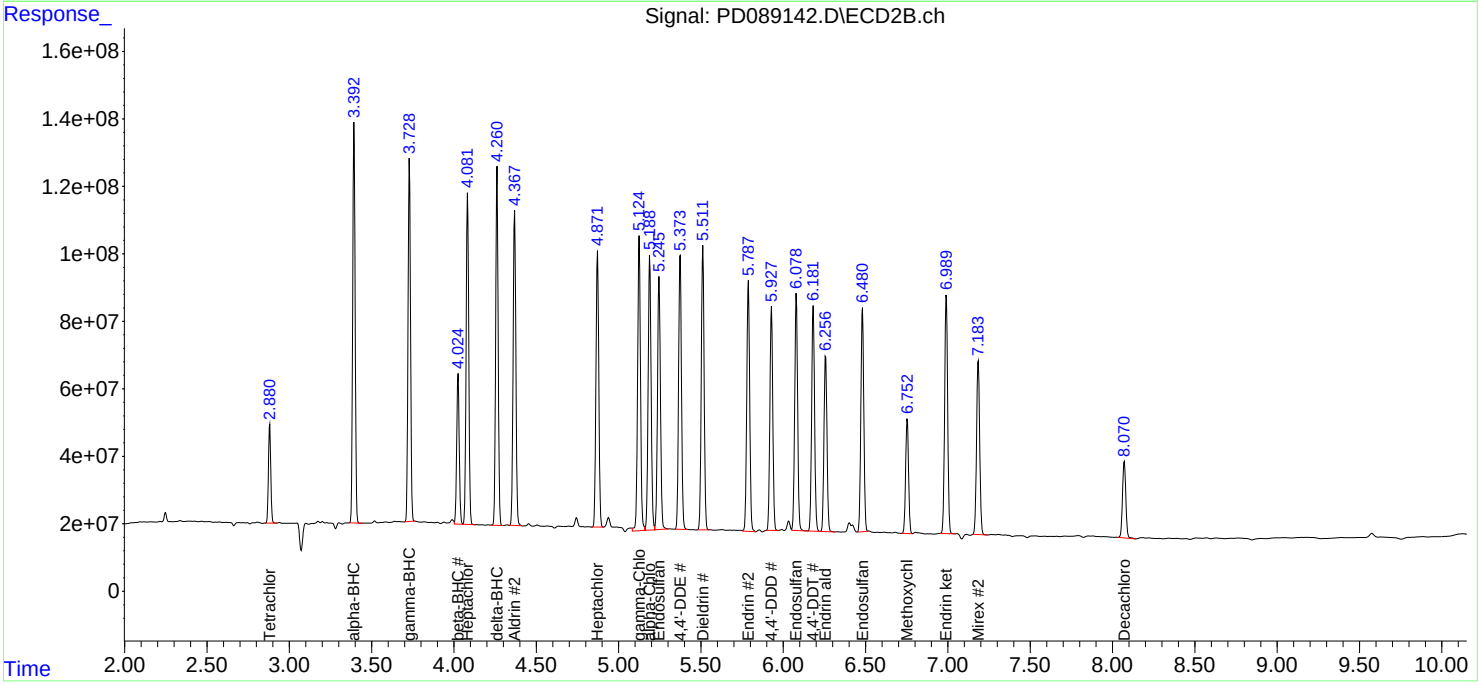
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD062525\
Data File : PD089142.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Jun 2025 18:21
Operator : AR\AJ
Sample : Q2393-01MSD
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PARK AVE -1MSD

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 26 06:41:03 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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





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

Manual Integration Report

Sequence:	PD061825	Instrument	ECD_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PD088991.D	4,4"-DDD	Abdul	6/18/2025 8:40:15 AM	mohammad	6/19/2025 2:43:55	Peak Integrated by Software
PEM	PD088991.D	4,4"-DDD #2	Abdul	6/18/2025 8:40:15 AM	mohammad	6/19/2025 2:43:55	Peak Integrated by Software
PEM	PD088991.D	beta-BHC	Abdul	6/18/2025 8:40:15 AM	mohammad	6/19/2025 2:43:55	Peak Integrated by Software
PEM	PD088991.D	Endrin aldehyde	Abdul	6/18/2025 8:40:15 AM	mohammad	6/19/2025 2:43:55	Peak Integrated by Software
PEM	PD088991.D	Endrin aldehyde #2	Abdul	6/18/2025 8:40:15 AM	mohammad	6/19/2025 2:43:55	Peak Integrated by Software
PEM	PD088991.D	Endrin ketone	Abdul	6/18/2025 8:40:15 AM	mohammad	6/19/2025 2:43:55	Peak Integrated by Software
PEM	PD088991.D	Endrin ketone #2	Abdul	6/18/2025 8:40:15 AM	mohammad	6/19/2025 2:43:55	Peak Integrated by Software
PSTDICC025	PD088996.D	Endrin #2	Abdul	6/18/2025 8:40:24 AM	mohammad	6/19/2025 2:43:55	Peak Integrated by Software
PSTDICC005	PD088997.D	Endrin #2	Abdul	6/18/2025 8:40:30 AM	mohammad	6/19/2025 2:43:55	Peak Integrated by Software
PSTDICC005	PD088997.D	Endrin ketone #2	Abdul	6/18/2025 8:40:30 AM	mohammad	6/19/2025 2:43:55	Peak Integrated by Software

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

Manual Integration Report

Sequence:	pd062525	Instrument	ECD_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PD089118.D	4,4"-DDE	Abdul	6/26/2025 11:16:45 AM	mohammad	6/27/2025 2:49:12	Peak Integrated by Software
PEM	PD089118.D	4,4"-DDE #2	Abdul	6/26/2025 11:16:45 AM	mohammad	6/27/2025 2:49:12	Peak Integrated by Software
PCHLORCCC500	PD089120.D	Chlordane-1	Abdul	6/26/2025 11:16:48 AM	mohammad	6/27/2025 2:49:12	Peak Integrated by Software
PCHLORCCC500	PD089135.D	Chlordane-1	Abdul	6/26/2025 11:17:16 AM	mohammad	6/27/2025 2:49:12	Peak Integrated by Software
Q2393-01MS	PD089141.D	4,4"-DDD #2	Abdul	6/26/2025 11:17:24 AM	mohammad	6/27/2025 2:49:12	Peak Integrated by Software
PEM	PD089145.D	4,4"-DDE	Abdul	6/26/2025 11:17:27 AM	mohammad	6/27/2025 2:49:12	Peak Integrated by Software
PEM	PD089145.D	4,4"-DDE #2	Abdul	6/26/2025 11:17:27 AM	mohammad	6/27/2025 2:49:12	Peak Integrated by Software
PEM	PD089145.D	Endrin ketone	Abdul	6/26/2025 11:17:27 AM	mohammad	6/27/2025 2:49:12	Peak Integrated by Software
PEM	PD089145.D	Endrin ketone #2	Abdul	6/26/2025 11:17:27 AM	mohammad	6/27/2025 2:49:12	Peak Integrated by Software
Q2393-05	PD089147.D	4,4"-DDD	Abdul	6/26/2025 11:17:30 AM	mohammad	6/27/2025 2:49:12	Peak Integrated by Software
Q2393-05	PD089147.D	4,4"-DDD #2	Abdul	6/26/2025 11:17:30 AM	mohammad	6/27/2025 2:49:12	Peak Integrated by Software
Q2393-05	PD089147.D	4,4"-DDE #2	Abdul	6/26/2025 11:17:30 AM	mohammad	6/27/2025 2:49:12	Peak Integrated by Software
Q2393-05	PD089147.D	alpha-Chlordane #2	Abdul	6/26/2025 11:17:30 AM	mohammad	6/27/2025 2:49:12	Peak Integrated by Software

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Manual Integration Report

Sequence:	pd062525	Instrument	ECD_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2393-05	PD089147.D	Decachlorobiphenyl	Abdul	6/26/2025 11:17:30 AM	mohammad	6/27/2025 2:49:12	Peak Integrated by Software
Q2393-05	PD089147.D	gamma-Chlordane #2	Abdul	6/26/2025 11:17:30 AM	mohammad	6/27/2025 2:49:12	Peak Integrated by Software
Q2393-07	PD089148.D	4,4"-DDD	Abdul	6/26/2025 2:43:20 PM	mohammad	6/27/2025 2:49:12	Peak Integrated by Software
Q2393-07	PD089148.D	4,4"-DDD #2	Abdul	6/26/2025 2:43:20 PM	mohammad	6/27/2025 2:49:12	Peak Integrated by Software
Q2393-07	PD089148.D	4,4"-DDE	Abdul	6/26/2025 2:43:20 PM	mohammad	6/27/2025 2:49:12	Peak Integrated by Software
Q2393-07	PD089148.D	4,4"-DDE #2	Abdul	6/26/2025 2:43:20 PM	mohammad	6/27/2025 2:49:12	Peak Integrated by Software
Q2393-07	PD089148.D	4,4"-DDT	Abdul	6/26/2025 2:43:20 PM	mohammad	6/27/2025 2:49:12	Peak Integrated by Software
Q2393-07	PD089148.D	alpha-Chlordane #2	Abdul	6/26/2025 2:43:20 PM	mohammad	6/27/2025 2:49:12	Peak Integrated by Software
Q2393-07	PD089148.D	gamma-Chlordane	Abdul	6/26/2025 2:43:20 PM	mohammad	6/27/2025 2:49:12	Peak Integrated by Software
Q2393-07	PD089148.D	gamma-Chlordane #2	Abdul	6/26/2025 2:43:20 PM	mohammad	6/27/2025 2:49:12	Peak Integrated by Software
Q2393-09	PD089149.D	4,4"-DDD	Abdul	6/26/2025 11:17:36 AM	mohammad	6/27/2025 2:49:12	Peak Integrated by Software
Q2393-09	PD089149.D	4,4"-DDD #2	Abdul	6/26/2025 11:17:36 AM	mohammad	6/27/2025 2:49:12	Peak Integrated by Software
Q2393-09	PD089149.D	4,4"-DDE	Abdul	6/26/2025 11:17:36 AM	mohammad	6/27/2025 2:49:12	Peak Integrated by Software

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Manual Integration Report

Sequence:	pd062525	Instrument	ECD_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2393-09	PD089149.D	4,4"-DDE #2	Abdul	6/26/2025 11:17:36 AM	mohammad	6/27/2025 2:49:12	Peak Integrated by Software
Q2393-09	PD089149.D	alpha-Chlordane #2	Abdul	6/26/2025 11:17:36 AM	mohammad	6/27/2025 2:49:12	Peak Integrated by Software
Q2393-09	PD089149.D	gamma-Chlordane	Abdul	6/26/2025 11:17:36 AM	mohammad	6/27/2025 2:49:12	Peak Integrated by Software
Q2393-09	PD089149.D	gamma-Chlordane #2	Abdul	6/26/2025 11:17:36 AM	mohammad	6/27/2025 2:49:12	Peak Integrated by Software
Q2393-11	PD089150.D	4,4"-DDE #2	Abdul	6/26/2025 2:43:23 PM	mohammad	6/27/2025 2:49:12	Peak Integrated by Software
Q2393-11	PD089150.D	4,4"-DDT	Abdul	6/26/2025 2:43:23 PM	mohammad	6/27/2025 2:49:12	Peak Integrated by Software
Q2393-11	PD089150.D	4,4"-DDT #2	Abdul	6/26/2025 2:43:23 PM	mohammad	6/27/2025 2:49:12	Peak Integrated by Software
Q2393-11	PD089150.D	alpha-Chlordane #2	Abdul	6/26/2025 2:43:23 PM	mohammad	6/27/2025 2:49:12	Peak Integrated by Software
Q2393-11	PD089150.D	gamma-Chlordane	Abdul	6/26/2025 2:43:23 PM	mohammad	6/27/2025 2:49:12	Peak Integrated by Software
Q2393-11	PD089150.D	gamma-Chlordane #2	Abdul	6/26/2025 2:43:23 PM	mohammad	6/27/2025 2:49:12	Peak Integrated by Software
PSTDCCC050	PD089155.D	Endrin	Abdul	6/26/2025 11:17:50 AM	mohammad	6/27/2025 2:49:12	Peak Integrated by Software
PSTDCCC050	PD089155.D	Methoxychlor	Abdul	6/26/2025 11:17:50 AM	mohammad	6/27/2025 2:49:12	Peak Integrated by Software

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Manual Integration Report

Sequence:	pd062525	Instrument	ECD_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason

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Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD061825

Review By	Abdul	Review On	6/18/2025 8:40:56 AM		
Supervise By	mohammad	Supervise On	6/19/2025 2:43:55 AM		
SubDirectory	PD061825	HP Acquire Method		HP Processing Method	pd061825 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24651
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277 ,PP24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284
CCC	PP24261,PP24273,PP24279,PP24284
Internal Standard/PEM	
ICV/I.BLK	PP24273,PP24279,PP24284
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PD088989.D	17 Jun 2025 14:58	AR\AJ	Ok
2	I.BLK	PD088990.D	17 Jun 2025 15:11	AR\AJ	Ok
3	PEM	PD088991.D	17 Jun 2025 15:25	AR\AJ	Ok,M
4	RESCHK	PD088992.D	17 Jun 2025 15:39	AR\AJ	Ok
5	PSTDICC100	PD088993.D	17 Jun 2025 15:52	AR\AJ	Ok
6	PSTDICC075	PD088994.D	17 Jun 2025 16:06	AR\AJ	Ok
7	PSTDICC050	PD088995.D	17 Jun 2025 16:20	AR\AJ	Ok
8	PSTDICC025	PD088996.D	17 Jun 2025 16:33	AR\AJ	Ok,M
9	PSTDICC005	PD088997.D	17 Jun 2025 16:47	AR\AJ	Ok,M
10	PCHLORICC1000	PD088998.D	17 Jun 2025 17:00	AR\AJ	Ok
11	PCHLORICC750	PD088999.D	17 Jun 2025 17:14	AR\AJ	Ok
12	PCHLORICC500	PD089000.D	17 Jun 2025 17:28	AR\AJ	Ok
13	PCHLORICC250	PD089001.D	17 Jun 2025 17:41	AR\AJ	Ok
14	PCHLORICC050	PD089002.D	17 Jun 2025 17:55	AR\AJ	Ok
15	PTOXICC1000	PD089003.D	17 Jun 2025 18:09	AR\AJ	Ok
16	PTOXICC750	PD089004.D	17 Jun 2025 18:22	AR\AJ	Ok
17	PTOXICC500	PD089005.D	17 Jun 2025 18:36	AR\AJ	Ok
18	PTOXICC250	PD089006.D	17 Jun 2025 18:50	AR\AJ	Ok
19	PTOXICC100	PD089007.D	17 Jun 2025 19:03	AR\AJ	Ok,M
20	PSTDICV050	PD089008.D	17 Jun 2025 19:17	AR\AJ	Ok
21	PCHLORICV500	PD089009.D	17 Jun 2025 19:31	AR\AJ	Ok

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Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD061825

Review By	Abdul	Review On	6/18/2025 8:40:56 AM		
Supervise By	mohammad	Supervise On	6/19/2025 2:43:55 AM		
SubDirectory	PD061825	HP Acquire Method		HP Processing Method	pd061825 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24651
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277 ,PP24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284
CCC	PP24261,PP24273,PP24279,PP24284
Internal Standard/PEM	
ICV/I.BLK	PP24273,PP24279,PP24284
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	PTOXICV500	PD089010.D	17 Jun 2025 19:44	AR\AJ	Ok

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Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD062525

Review By	Abdul	Review On	6/26/2025 11:18:16 AM		
Supervise By	mohammad	Supervise On	6/27/2025 2:49:12 AM		
SubDirectory	PD062525	HP Acquire Method		HP Processing Method	pd061825 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24651
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277 ,PP24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284
CCC	PP24261,PP24273,PP24279,PP24284
Internal Standard/PEM	
ICV/I.BLK	PP24273,PP24279,PP24284
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PD089116.D	25 Jun 2025 08:58	AR\AJ	Ok
2	I.BLK	PD089117.D	25 Jun 2025 09:11	AR\AJ	Ok
3	PEM	PD089118.D	25 Jun 2025 09:25	AR\AJ	Ok,M
4	PSTDCCC050	PD089119.D	25 Jun 2025 09:39	AR\AJ	Ok
5	PCHLORCCC500	PD089120.D	25 Jun 2025 09:52	AR\AJ	Ok,M
6	PTOXCCC500	PD089121.D	25 Jun 2025 10:06	AR\AJ	Ok
7	PB168531BL	PD089122.D	25 Jun 2025 10:20	AR\AJ	Ok
8	Q2126-01	PD089123.D	25 Jun 2025 10:36	AR\AJ	Ok,M
9	Q2126-07	PD089124.D	25 Jun 2025 10:50	AR\AJ	Ok,M
10	Q2126-01	PD089125.D	25 Jun 2025 13:52	AR\AJ	Not Ok
11	Q2126-07	PD089126.D	25 Jun 2025 14:06	AR\AJ	Not Ok
12	Q2126-02	PD089127.D	25 Jun 2025 14:19	AR\AJ	Ok,M
13	Q2126-08	PD089128.D	25 Jun 2025 14:33	AR\AJ	Ok
14	Q2126-02	PD089129.D	25 Jun 2025 14:47	AR\AJ	Not Ok
15	Q2126-08	PD089130.D	25 Jun 2025 15:00	AR\AJ	Not Ok
16	Q2126-01	PD089131.D	25 Jun 2025 15:14	AR\AJ	Not Ok
17	Q2381-01DL	PD089132.D	25 Jun 2025 15:28	AR\AJ	Ok,M
18	I.BLK	PD089133.D	25 Jun 2025 15:58	AR\AJ	Ok
19	PSTDCCC050	PD089134.D	25 Jun 2025 16:12	AR\AJ	Ok
20	PCHLORCCC500	PD089135.D	25 Jun 2025 16:46	AR\AJ	Ok,M
21	PB168608BL	PD089136.D	25 Jun 2025 16:59	AR\AJ	Ok

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Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD062525

Review By	Abdul	Review On	6/26/2025 11:18:16 AM		
Supervise By	mohammad	Supervise On	6/27/2025 2:49:12 AM		
SubDirectory	PD062525	HP Acquire Method		HP Processing Method	pd061825 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24651
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277 ,PP24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284
CCC	PP24261,PP24273,PP24279,PP24284
Internal Standard/PEM	
ICV/I.BLK	PP24273,PP24279,PP24284
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	PB168608BS	PD089137.D	25 Jun 2025 17:13	AR\AJ	Ok
23	Q2392-01	PD089138.D	25 Jun 2025 17:27	AR\AJ	Ok,M
24	Q2412-01	PD089139.D	25 Jun 2025 17:40	AR\AJ	Ok,M
25	Q2393-01	PD089140.D	25 Jun 2025 17:54	AR\AJ	Ok
26	Q2393-01MS	PD089141.D	25 Jun 2025 18:07	AR\AJ	Ok,M
27	Q2393-01MSD	PD089142.D	25 Jun 2025 18:21	AR\AJ	Ok
28	Q2393-03	PD089143.D	25 Jun 2025 18:35	AR\AJ	Ok
29	I.BLK	PD089144.D	25 Jun 2025 18:48	AR\AJ	Ok
30	PEM	PD089145.D	25 Jun 2025 19:02	AR\AJ	Ok,M
31	PSTDCCC050	PD089146.D	25 Jun 2025 19:15	AR\AJ	Ok
32	Q2393-05	PD089147.D	25 Jun 2025 19:57	AR\AJ	Ok,M
33	Q2393-07	PD089148.D	25 Jun 2025 20:10	AR\AJ	Ok,M
34	Q2393-09	PD089149.D	25 Jun 2025 20:24	AR\AJ	Ok,M
35	Q2393-11	PD089150.D	25 Jun 2025 20:37	AR\AJ	Ok,M
36	Q2394-01	PD089151.D	25 Jun 2025 20:51	AR\AJ	Ok
37	Q2398-03	PD089152.D	25 Jun 2025 21:05	AR\AJ	Ok
38	Q2398-06	PD089153.D	25 Jun 2025 21:18	AR\AJ	Ok,M
39	I.BLK	PD089154.D	25 Jun 2025 21:32	AR\AJ	Ok
40	PSTDCCC050	PD089155.D	25 Jun 2025 22:40	AR\AJ	Ok,M

M : Manual Integration

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Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD061825

Review By	Abdul	Review On	6/18/2025 8:40:56 AM		
Supervise By	mohammad	Supervise On	6/19/2025 2:43:55 AM		
SubDirectory	PD061825	HP Acquire Method		HP Processing Method	pd061825 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24651
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,PP24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284
CCC	PP24261,PP24273,PP24279,PP24284
Internal Standard/PEM	
ICV/I.BLK	PP24273,PP24279,PP24284
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PD088989.D	17 Jun 2025 14:58		AR\AJ	Ok
2	I.BLK	I.BLK	PD088990.D	17 Jun 2025 15:11		AR\AJ	Ok
3	PEM	PEM	PD088991.D	17 Jun 2025 15:25		AR\AJ	Ok,M
4	RESCHK	RESCHK	PD088992.D	17 Jun 2025 15:39		AR\AJ	Ok
5	PSTDICC100	PSTDICC100	PD088993.D	17 Jun 2025 15:52		AR\AJ	Ok
6	PSTDICC075	PSTDICC075	PD088994.D	17 Jun 2025 16:06		AR\AJ	Ok
7	PSTDICC050	PSTDICC050	PD088995.D	17 Jun 2025 16:20		AR\AJ	Ok
8	PSTDICC025	PSTDICC025	PD088996.D	17 Jun 2025 16:33		AR\AJ	Ok,M
9	PSTDICC005	PSTDICC005	PD088997.D	17 Jun 2025 16:47		AR\AJ	Ok,M
10	PCHLORICC1000	PCHLORICC1000	PD088998.D	17 Jun 2025 17:00		AR\AJ	Ok
11	PCHLORICC750	PCHLORICC750	PD088999.D	17 Jun 2025 17:14		AR\AJ	Ok
12	PCHLORICC500	PCHLORICC500	PD089000.D	17 Jun 2025 17:28		AR\AJ	Ok
13	PCHLORICC250	PCHLORICC250	PD089001.D	17 Jun 2025 17:41		AR\AJ	Ok
14	PCHLORICC050	PCHLORICC050	PD089002.D	17 Jun 2025 17:55		AR\AJ	Ok
15	PTOXICC1000	PTOXICC1000	PD089003.D	17 Jun 2025 18:09		AR\AJ	Ok
16	PTOXICC750	PTOXICC750	PD089004.D	17 Jun 2025 18:22		AR\AJ	Ok
17	PTOXICC500	PTOXICC500	PD089005.D	17 Jun 2025 18:36		AR\AJ	Ok
18	PTOXICC250	PTOXICC250	PD089006.D	17 Jun 2025 18:50		AR\AJ	Ok

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Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD061825

Review By	Abdul	Review On	6/18/2025 8:40:56 AM		
Supervise By	mohammad	Supervise On	6/19/2025 2:43:55 AM		
SubDirectory	PD061825	HP Acquire Method		HP Processing Method	pd061825 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24651
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,PP24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284
CCC	PP24261,PP24273,PP24279,PP24284
Internal Standard/PEM	
ICV/I.BLK	PP24273,PP24279,PP24284
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	PTOXICC100	PTOXICC100	PD089007.D	17 Jun 2025 19:03		AR\AJ	Ok,M
20	PSTDICV050	ICVPD061825	PD089008.D	17 Jun 2025 19:17		AR\AJ	Ok
21	PCHLORICV500	ICVPD061825CHLOR	PD089009.D	17 Jun 2025 19:31		AR\AJ	Ok
22	PTOXICV500	ICVPD061825TOX	PD089010.D	17 Jun 2025 19:44		AR\AJ	Ok

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Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD062525

Review By	Abdul	Review On	6/26/2025 11:18:16 AM		
Supervise By	mohammad	Supervise On	6/27/2025 2:49:12 AM		
SubDirectory	PD062525	HP Acquire Method		HP Processing Method	pd061825 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24651
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,PP24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284
CCC	PP24261,PP24273,PP24279,PP24284
Internal Standard/PEM	
ICV/I.BLK	PP24273,PP24279,PP24284
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PD089116.D	25 Jun 2025 08:58		AR\AJ	Ok
2	I.BLK	I.BLK	PD089117.D	25 Jun 2025 09:11		AR\AJ	Ok
3	PEM	PEM	PD089118.D	25 Jun 2025 09:25		AR\AJ	Ok,M
4	PSTDCCC050	PSTDCCC050	PD089119.D	25 Jun 2025 09:39		AR\AJ	Ok
5	PCHLORCCC500	PCHLORCCC500	PD089120.D	25 Jun 2025 09:52		AR\AJ	Ok,M
6	PTOXCCC500	PTOXCCC500	PD089121.D	25 Jun 2025 10:06		AR\AJ	Ok
7	PB168531BL	PB168531BL	PD089122.D	25 Jun 2025 10:20		AR\AJ	Ok
8	Q2126-01	LOD-MDL-SOIL-03-QT	PD089123.D	25 Jun 2025 10:36	CHLOR LOD 25PPB SOIL	AR\AJ	Ok,M
9	Q2126-07	LOD-MDL-WATER-01-(	PD089124.D	25 Jun 2025 10:50	CHLOR LOD 25PPB WATER	AR\AJ	Ok,M
10	Q2126-01	LOD-MDL-SOIL-03-QT	PD089125.D	25 Jun 2025 13:52	TOX end ccc missing , TOX LOD 50 PPB SOIL	AR\AJ	Not Ok
11	Q2126-07	LOD-MDL-WATER-01-(	PD089126.D	25 Jun 2025 14:06	TOX end ccc missing , TOX LOD 50 PPB WATER	AR\AJ	Not Ok
12	Q2126-02	LOQ-SOIL-02-QT2-202	PD089127.D	25 Jun 2025 14:19	CHLOR LOQ 50 PPB SOIL	AR\AJ	Ok,M
13	Q2126-08	LOQ-WATER-02-QT2-2	PD089128.D	25 Jun 2025 14:33	CHLOR LOQ 50 PPB WATER	AR\AJ	Ok
14	Q2126-02	LOQ-SOIL-02-QT2-202	PD089129.D	25 Jun 2025 14:47	TOX LOQ 100PPB SOIL , TOX end ccc missing	AR\AJ	Not Ok
15	Q2126-08	LOQ-WATER-02-QT2-2	PD089130.D	25 Jun 2025 15:00	TOX LOQ 100PPB WATER , TOX end ccc missing	AR\AJ	Not Ok
16	Q2126-01	LOD-MDL-SOIL-03-QT	PD089131.D	25 Jun 2025 15:14	PEST LOD 1PPB SOIL , U Flag in delta-BHC and Methoxychlor	AR\AJ	Not Ok
17	Q2381-01DL	291431DL	PD089132.D	25 Jun 2025 15:28		AR\AJ	Ok,M

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Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD062525

Review By	Abdul	Review On	6/26/2025 11:18:16 AM		
Supervise By	mohammad	Supervise On	6/27/2025 2:49:12 AM		
SubDirectory	PD062525	HP Acquire Method		HP Processing Method	pd061825 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24651
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,PP24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284
CCC	PP24261,PP24273,PP24279,PP24284
Internal Standard/PEM	
ICV/I.BLK	PP24273,PP24279,PP24284
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	I.BLK	I.BLK	PD089133.D	25 Jun 2025 15:58		AR\AJ	Ok
19	PSTDCCC050	PSTDCCC050	PD089134.D	25 Jun 2025 16:12		AR\AJ	Ok
20	PCHLORCCC500	PCHLORCCC500	PD089135.D	25 Jun 2025 16:46		AR\AJ	Ok,M
21	PB168608BL	PB168608BL	PD089136.D	25 Jun 2025 16:59		AR\AJ	Ok
22	PB168608BS	PB168608BS	PD089137.D	25 Jun 2025 17:13		AR\AJ	Ok
23	Q2392-01	S-1	PD089138.D	25 Jun 2025 17:27		AR\AJ	Ok,M
24	Q2412-01	TR-05-062425	PD089139.D	25 Jun 2025 17:40		AR\AJ	Ok,M
25	Q2393-01	PARK AVE -1	PD089140.D	25 Jun 2025 17:54		AR\AJ	Ok
26	Q2393-01MS	PARK AVE -1MS	PD089141.D	25 Jun 2025 18:07		AR\AJ	Ok,M
27	Q2393-01MSD	PARK AVE -1MSD	PD089142.D	25 Jun 2025 18:21		AR\AJ	Ok
28	Q2393-03	PARK AVE -2	PD089143.D	25 Jun 2025 18:35		AR\AJ	Ok
29	I.BLK	I.BLK	PD089144.D	25 Jun 2025 18:48		AR\AJ	Ok
30	PEM	PEM	PD089145.D	25 Jun 2025 19:02		AR\AJ	Ok,M
31	PSTDCCC050	PSTDCCC050	PD089146.D	25 Jun 2025 19:15		AR\AJ	Ok
32	Q2393-05	PARK AVE -3	PD089147.D	25 Jun 2025 19:57		AR\AJ	Ok,M
33	Q2393-07	PARK AVE -4	PD089148.D	25 Jun 2025 20:10		AR\AJ	Ok,M
34	Q2393-09	PARK AVE -5	PD089149.D	25 Jun 2025 20:24		AR\AJ	Ok,M
35	Q2393-11	PARK AVE -6	PD089150.D	25 Jun 2025 20:37		AR\AJ	Ok,M
36	Q2394-01	MH-K/L	PD089151.D	25 Jun 2025 20:51		AR\AJ	Ok

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Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD062525

Review By	Abdul	Review On	6/26/2025 11:18:16 AM		
Supervise By	mohammad	Supervise On	6/27/2025 2:49:12 AM		
SubDirectory	PD062525	HP Acquire Method		HP Processing Method	pd061825 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24651
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,PP24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284
CCC	PP24261,PP24273,PP24279,PP24284
Internal Standard/PEM	
ICV/I.BLK	PP24273,PP24279,PP24284
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

37	Q2398-03	M00-25-0179	PD089152.D	25 Jun 2025 21:05		AR\AJ	Ok
38	Q2398-06	ARS20-0036	PD089153.D	25 Jun 2025 21:18		AR\AJ	Ok,M
39	I.BLK	I.BLK	PD089154.D	25 Jun 2025 21:32	DCB Low in 2nd column	AR\AJ	Ok
40	PSTDCCC050	PSTDCCC050	PD089155.D	25 Jun 2025 22:40	Methoxychlor low in 1t column	AR\AJ	Ok,M

M : Manual Integration

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EXTRACTION LOGPAGE

PB168608

SOP ID:	M3541-ASE Extraction-14				
Clean Up SOP #:	Florisil			**Extraction Start Date :**	06/25/2025
Matrix :	Solid			**Extraction Start Time :**	08:45
Weigh By:	EH	**Extraction By:**	RJ	**Extraction End Date :**	06/25/2025
Balance check:	RJ	**Filter By:**	RJ	**Extraction End Time :**	12:00
Balance ID:	EX-SC-2	**pH Meter ID:**	N/A	**Concentration By:**	EH
pH Strip Lot#:	N/A	**Hood ID:**	3,7	**Supervisor By :**	RUPESH

Extraction Method: ☐ Seperatory Funnel ☐ Continious Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☑ Soxhlet

Standared Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	500 PPB	PP24627
Surrogate	1.0ML	200 PPB	PP24597
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
Hexane/Acetone/1:1	N/A	EP2613
Baked Na2SO4	N/A	EP2622
Sand	N/A	E2865
Hexane	N/A	E3945
Florisil	N/A	E3927
9:1 Hexane:Acetone Mixture	N/A	EP2596
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:

40ML Vial Lot # 03-40BTS723.

KD Bath ID:	N/A	**Envap ID:**	NE VAP-02
KD Bath Temperature:	N/A	**Envap Temperature:**	40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
6/25/25	RS (Ext Lab)	R. Patel/PCB Lab
12:05	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB168608

Analytical Method: M3541-ASE Extraction-14 **Concentration Date:** 06/25/2025

Sample ID	Client Sample ID	Test	g/mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB168608BL	PBLK608	Pesticide-TCL	30.01	N/A	ritesh	Evelyn	10			U2-1
PB168608BS	PLCS608	Pesticide-TCL	30.03	N/A	ritesh	Evelyn	10			2
Q2392-01	S-1	Pesticide-TCL	30.07	N/A	ritesh	Evelyn	10	B		3
Q2393-01	PARK AVE -1	Pesticide-TCL	30.05	N/A	ritesh	Evelyn	10	D		4
Q2393-01MS	PARK AVE -1MS	Pesticide-TCL	30.04	N/A	ritesh	Evelyn	10	D		5
Q2393-01MSD	PARK AVE -1MSD	Pesticide-TCL	30.10	N/A	ritesh	Evelyn	10	D		6
Q2393-03	PARK AVE -2	Pesticide-TCL	30.02	N/A	ritesh	Evelyn	10	D		U3-1
Q2393-05	PARK AVE -3	Pesticide-TCL	30.06	N/A	ritesh	Evelyn	10	D		2
Q2393-07	PARK AVE -4	Pesticide-TCL	30.03	N/A	ritesh	Evelyn	10	D		3
Q2393-09	PARK AVE -5	Pesticide-TCL	30.01	N/A	ritesh	Evelyn	10	D		4
Q2393-11	PARK AVE -6	Pesticide-TCL	30.08	N/A	ritesh	Evelyn	10	D		5
Q2394-01	MH-K/L	Pesticide-TCL	30.05	N/A	ritesh	Evelyn	10	D		6
Q2398-03	M00-25-0179	Pesticide-TCL	30.02	N/A	ritesh	Evelyn	10	D	Small Partical	U6-1
Q2398-06	ARS20-0036	Pesticide-TCL	30.01	N/A	ritesh	Evelyn	10	D		2
Q2399-01	TP-13	Pesticide-TCL	30.04	N/A	ritesh	Evelyn	10	D		3
Q2399-05	EP-7	Pesticide-TCL	30.06	N/A	ritesh	Evelyn	10	D		4
Q2403-03	LAW-25-0093	Pesticide-TCL	30.05	N/A	ritesh	Evelyn	10	D	Small Partical	5
Q2403-07	ARS 20-006	Pesticide-TCL	30.04	N/A	ritesh	Evelyn	10	D		6
Q2405-01	MH-M/H	Pesticide-TCL	30.01	N/A	ritesh	Evelyn	10	D		U1-1
Q2412-01	TR-05-062425	Pesticide-TCL	30.05	N/A	ritesh	Evelyn	10	D		2

RS 6/25

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

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q2393P **WorkList ID :** 190368 **Department :** Extraction **Date :** 06-25-2025 08:40:54

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2392-01	S-1	Solid	Pesticide-TCL	Cool 4 deg C	EARTH03	A41	06/23/2025	8081B
Q2393-01	PARK AVE -1	Solid	Pesticide-TCL	Cool 4 deg C	UNIO02	A22	06/23/2025	8081B
Q2393-03	PARK AVE -2	Solid	Pesticide-TCL	Cool 4 deg C	UNIO02	A22	06/23/2025	8081B
Q2393-05	PARK AVE -3	Solid	Pesticide-TCL	Cool 4 deg C	UNIO02	A22	06/23/2025	8081B
Q2393-07	PARK AVE -4	Solid	Pesticide-TCL	Cool 4 deg C	UNIO02	A22	06/23/2025	8081B
Q2393-09	PARK AVE -5	Solid	Pesticide-TCL	Cool 4 deg C	UNIO02	A22	06/23/2025	8081B
Q2393-11	PARK AVE -6	Solid	Pesticide-TCL	Cool 4 deg C	UNIO02	A22	06/23/2025	8081B
Q2394-01	MH-K/L	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	A21	06/23/2025	8081B
Q2398-03	M00-25-0179	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	A33	06/23/2025	8081B
Q2398-06	ARS20-0036	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	A33	06/23/2025	8081B
Q2399-01	TP-13	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	A41	06/23/2025	8081B
Q2399-05	EP-7	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	A41	06/23/2025	8081B
Q2403-03	LAW-25-0093	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	A32	06/23/2025	8081B
Q2403-07	ARS 20-006	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03		06/23/2025	8081B
Q2405-01	MH-M/H	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	D41	06/24/2025	8081B
Q2412-01	TR-05-062425	Solid	Pesticide-TCL	Cool 4 deg C	PSEG05	D41	06/24/2025	8081B

Date/Time 06/25/25 8:40
Raw Sample Received by: RS (LAB)
Raw Sample Relinquished by: CP SM

Date/Time 06/25/25 9:10
Raw Sample Received by: CP SM
Raw Sample Relinquished by: RS (LAB)

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LAB CHRONICLE

OrderID:	Q2393	**OrderDate:**	6/23/2025 11:43:58 AM
Client:	Union Paving & Construction Company	**Project:**	190 Park Ave Hanover Twp NJ - PO 3556-001
Contact:	Gerard Busacco	**Location:**	A22,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2393-01	**PARK AVE -1**	**SOIL**			**06/23/25**			**06/23/25**
			PCB	8082A		06/25/25	06/25/25	
			Pesticide-TCL	8081B		06/25/25	06/25/25	
Q2393-03	**PARK AVE -2**	**SOIL**			**06/23/25**			**06/23/25**
			PCB	8082A		06/25/25	06/25/25	
			Pesticide-TCL	8081B		06/25/25	06/25/25	
Q2393-05	**PARK AVE -3**	**SOIL**			**06/23/25**			**06/23/25**
			PCB	8082A		06/25/25	06/25/25	
			Pesticide-TCL	8081B		06/25/25	06/25/25	
Q2393-07	**PARK AVE -4**	**SOIL**			**06/23/25**			**06/23/25**
			PCB	8082A		06/25/25	06/25/25	
			Pesticide-TCL	8081B		06/25/25	06/25/25	
Q2393-09	**PARK AVE -5**	**SOIL**			**06/23/25**			**06/23/25**
			PCB	8082A		06/25/25	06/25/25	
			Pesticide-TCL	8081B		06/25/25	06/25/25	
Q2393-11	**PARK AVE -6**	**SOIL**			**06/23/25**			**06/23/25**
			PCB	8082A		06/25/25	06/25/25	
			Pesticide-TCL	8081B		06/25/25	06/25/25	

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Hit Summary Sheet
SW-846

SDG No.: Q2393 **Order ID:** Q2393

Client: Union Paving & Construction Company **Project ID:** 190 Park Ave Hanover Twp NJ - PO 3

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units

Client ID :

Total Concentration: **0.000**

SAMPLE DATA

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Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 3556-001	Date Received:	06/23/25
Client Sample ID:	PARK AVE -1	SDG No.:	Q2393
Lab Sample ID:	Q2393-01	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	83.3 Decanted:
Sample Wt/Vol:	30.05 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP073241.D	1	06/25/25 08:45	06/25/25 14:20	PB168607

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	4.70	U	4.70	20.4	ug/kg
11104-28-2	Aroclor-1221	4.80	U	4.80	20.4	ug/kg
11141-16-5	Aroclor-1232	4.50	U	4.50	20.4	ug/kg
53469-21-9	Aroclor-1242	4.80	U	4.80	20.4	ug/kg
12672-29-6	Aroclor-1248	7.10	U	7.10	20.4	ug/kg
11097-69-1	Aroclor-1254	3.80	U	3.80	20.4	ug/kg
37324-23-5	Aroclor-1262	6.00	U	6.00	20.4	ug/kg
11100-14-4	Aroclor-1268	4.30	U	4.30	20.4	ug/kg
11096-82-5	Aroclor-1260	3.90	U	3.90	20.4	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.1		32 - 144	101%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.3		32 - 175	101%	SPK: 20

Comments:

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

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

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Fax : 908 789 8922

Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 3556-001	Date Received:	06/23/25
Client Sample ID:	PARK AVE -2	SDG No.:	Q2393
Lab Sample ID:	Q2393-03	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	83.5 Decanted:
Sample Wt/Vol:	30.02 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP073242.D	1	06/25/25 08:45	06/25/25 14:37	PB168607

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	4.70	U	4.70	20.3	ug/kg
11104-28-2	Aroclor-1221	4.80	U	4.80	20.3	ug/kg
11141-16-5	Aroclor-1232	4.50	U	4.50	20.3	ug/kg
53469-21-9	Aroclor-1242	4.80	U	4.80	20.3	ug/kg
12672-29-6	Aroclor-1248	7.10	U	7.10	20.3	ug/kg
11097-69-1	Aroclor-1254	3.80	U	3.80	20.3	ug/kg
37324-23-5	Aroclor-1262	6.00	U	6.00	20.3	ug/kg
11100-14-4	Aroclor-1268	4.30	U	4.30	20.3	ug/kg
11096-82-5	Aroclor-1260	3.90	U	3.90	20.3	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19.1		32 - 144	95%	SPK: 20
2051-24-3	Decachlorobiphenyl	18.1		32 - 175	90%	SPK: 20

Comments:

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

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

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Fax : 908 789 8922

Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 3556-001	Date Received:	06/23/25
Client Sample ID:	PARK AVE -3	SDG No.:	Q2393
Lab Sample ID:	Q2393-05	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	86.6 Decanted:
Sample Wt/Vol:	30.06 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP073243.D	1	06/25/25 08:45	06/25/25 14:53	PB168607

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	4.60	U	4.60	19.6	ug/kg
11104-28-2	Aroclor-1221	4.60	U	4.60	19.6	ug/kg
11141-16-5	Aroclor-1232	4.30	U	4.30	19.6	ug/kg
53469-21-9	Aroclor-1242	4.60	U	4.60	19.6	ug/kg
12672-29-6	Aroclor-1248	6.80	U	6.80	19.6	ug/kg
11097-69-1	Aroclor-1254	3.70	U	3.70	19.6	ug/kg
37324-23-5	Aroclor-1262	5.80	U	5.80	19.6	ug/kg
11100-14-4	Aroclor-1268	4.10	U	4.10	19.6	ug/kg
11096-82-5	Aroclor-1260	3.70	U	3.70	19.6	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	17.5		32 - 144	88%	SPK: 20
2051-24-3	Decachlorobiphenyl	17.4		32 - 175	87%	SPK: 20

Comments:

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

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

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Fax : 908 789 8922

Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 3556-001	Date Received:	06/23/25
Client Sample ID:	PARK AVE -4	SDG No.:	Q2393
Lab Sample ID:	Q2393-07	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	87.7 Decanted:
Sample Wt/Vol:	30.03 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP073244.D	1	06/25/25 08:45	06/25/25 15:09	PB168607

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	4.50	U	4.50	19.4	ug/kg
11104-28-2	Aroclor-1221	4.60	U	4.60	19.4	ug/kg
11141-16-5	Aroclor-1232	4.20	U	4.20	19.4	ug/kg
53469-21-9	Aroclor-1242	4.60	U	4.60	19.4	ug/kg
12672-29-6	Aroclor-1248	6.70	U	6.70	19.4	ug/kg
11097-69-1	Aroclor-1254	3.70	U	3.70	19.4	ug/kg
37324-23-5	Aroclor-1262	5.70	U	5.70	19.4	ug/kg
11100-14-4	Aroclor-1268	4.10	U	4.10	19.4	ug/kg
11096-82-5	Aroclor-1260	3.70	U	3.70	19.4	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	18.4		32 - 144	92%	SPK: 20
2051-24-3	Decachlorobiphenyl	17.0		32 - 175	85%	SPK: 20

Comments:

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

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

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Fax : 908 789 8922

Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 3556-001	Date Received:	06/23/25
Client Sample ID:	PARK AVE -5	SDG No.:	Q2393
Lab Sample ID:	Q2393-09	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	91.3 Decanted:
Sample Wt/Vol:	30.01 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP073250.D	1	06/25/25 08:45	06/25/25 17:21	PB168607

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	4.30	U	4.30	18.6	ug/kg
11104-28-2	Aroclor-1221	4.40	U	4.40	18.6	ug/kg
11141-16-5	Aroclor-1232	4.10	U	4.10	18.6	ug/kg
53469-21-9	Aroclor-1242	4.40	U	4.40	18.6	ug/kg
12672-29-6	Aroclor-1248	6.50	U	6.50	18.6	ug/kg
11097-69-1	Aroclor-1254	3.50	U	3.50	18.6	ug/kg
37324-23-5	Aroclor-1262	5.50	U	5.50	18.6	ug/kg
11100-14-4	Aroclor-1268	3.90	U	3.90	18.6	ug/kg
11096-82-5	Aroclor-1260	3.50	U	3.50	18.6	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	17.3		32 - 144	87%	SPK: 20
2051-24-3	Decachlorobiphenyl	15.4		32 - 175	77%	SPK: 20

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

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 3556-001	Date Received:	06/23/25
Client Sample ID:	PARK AVE -6	SDG No.:	Q2393
Lab Sample ID:	Q2393-11	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	86.8 Decanted:
Sample Wt/Vol:	30.08 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP073251.D	1	06/25/25 08:45	06/25/25 17:37	PB168607

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	4.50	U	4.50	19.5	ug/kg
11104-28-2	Aroclor-1221	4.60	U	4.60	19.5	ug/kg
11141-16-5	Aroclor-1232	4.30	U	4.30	19.5	ug/kg
53469-21-9	Aroclor-1242	4.60	U	4.60	19.5	ug/kg
12672-29-6	Aroclor-1248	6.80	U	6.80	19.5	ug/kg
11097-69-1	Aroclor-1254	3.70	U	3.70	19.5	ug/kg
37324-23-5	Aroclor-1262	5.80	U	5.80	19.5	ug/kg
11100-14-4	Aroclor-1268	4.10	U	4.10	19.5	ug/kg
11096-82-5	Aroclor-1260	3.70	U	3.70	19.5	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	16.8		32 - 144	84%	SPK: 20
2051-24-3	Decachlorobiphenyl	15.2		32 - 175	76%	SPK: 20

Comments:

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

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

QC SUMMARY

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Surrogate Summary

SDG No.: Q2393

Client: Union Paving & Construction Company

Analytical Method: 8082A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%) Low	Limits(%) High
I.BLK-PP072990.D	PIBLK-PP072990.D	Tetrachloro-m-xyl	1	20	17.3	86		60	140
		Decachlorobiphen	1	20	18.3	91		60	140
		Tetrachloro-m-xyl	2	20	18.0	90		60	140
		Decachlorobiphen	2	20	17.2	86		60	140
I.BLK-PP073234.D	PIBLK-PP073234.D	Tetrachloro-m-xyl	1	20	19.6	98		60	140
		Decachlorobiphen	1	20	19.6	98		60	140
		Tetrachloro-m-xyl	2	20	19.2	96		60	140
		Decachlorobiphen	2	20	21.1	105		60	140
PB168607BL	PB168607BL	Tetrachloro-m-xyl	1	20	19.8	99		32	144
		Decachlorobiphen	1	20	19.6	98		32	175
		Tetrachloro-m-xyl	2	20	19.6	98		32	144
		Decachlorobiphen	2	20	20.5	103		32	175
PB168607BS	PB168607BS	Tetrachloro-m-xyl	1	20	20.2	101		32	144
		Decachlorobiphen	1	20	20.4	102		32	175
		Tetrachloro-m-xyl	2	20	19.1	96		32	144
		Decachlorobiphen	2	20	21.6	108		32	175
Q2392-01MS	S-1MS	Tetrachloro-m-xyl	1	20	20.8	104		32	144
		Decachlorobiphen	1	20	20.4	102		32	175
		Tetrachloro-m-xyl	2	20	19.0	95		32	144
		Decachlorobiphen	2	20	22.0	110		32	175
Q2392-01MSD	S-1MSD	Tetrachloro-m-xyl	1	20	19.2	96		32	144
		Decachlorobiphen	1	20	18.4	92		32	175
		Tetrachloro-m-xyl	2	20	17.3	86		32	144
		Decachlorobiphen	2	20	19.6	98		32	175
Q2393-01	PARK AVE -1	Tetrachloro-m-xyl	1	20	20.1	101		32	144
		Decachlorobiphen	1	20	19.5	98		32	175
		Tetrachloro-m-xyl	2	20	19.9	99		32	144
		Decachlorobiphen	2	20	20.3	101		32	175
Q2393-03	PARK AVE -2	Tetrachloro-m-xyl	1	20	18.8	94		32	144
		Decachlorobiphen	1	20	18.1	90		32	175
		Tetrachloro-m-xyl	2	20	19.1	95		32	144
		Decachlorobiphen	2	20	18.0	90		32	175
Q2393-05	PARK AVE -3	Tetrachloro-m-xyl	1	20	17.0	85		32	144
		Decachlorobiphen	1	20	15.8	79		32	175
		Tetrachloro-m-xyl	2	20	17.5	88		32	144
		Decachlorobiphen	2	20	17.4	87		32	175
Q2393-07	PARK AVE -4	Tetrachloro-m-xyl	1	20	18.4	92		32	144
		Decachlorobiphen	1	20	16.0	80		32	175
		Tetrachloro-m-xyl	2	20	17.5	88		32	144
		Decachlorobiphen	2	20	17.0	85		32	175
I.BLK-PP073249.D	PIBLK-PP073249.D	Tetrachloro-m-xyl	1	20	18.5	93		60	140

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Surrogate Summary

SDG No.: Q2393

Client: Union Paving & Construction Company

Analytical Method: 8082A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%) Low	Limits(%) High
I.BLK-PP073249.D	PIBLK-PP073249.D	Decachlorobiphen	1	20	18.9	95		60	140
		Tetrachloro-m-xyl	2	20	18.5	93		60	140
		Decachlorobiphen	2	20	20.2	101		60	140
Q2393-09	PARK AVE -5	Tetrachloro-m-xyl	1	20	17.3	87		32	144
		Decachlorobiphen	1	20	14.4	72		32	175
		Tetrachloro-m-xyl	2	20	17.2	86		32	144
		Decachlorobiphen	2	20	15.4	77		32	175
Q2393-11	PARK AVE -6	Tetrachloro-m-xyl	1	20	16.8	84		32	144
		Decachlorobiphen	1	20	14.5	72		32	175
		Tetrachloro-m-xyl	2	20	16.6	83		32	144
		Decachlorobiphen	2	20	15.2	76		32	175
I.BLK-PP073264.D	PIBLK-PP073264.D	Tetrachloro-m-xyl	1	20	17.7	89		60	140
		Decachlorobiphen	1	20	17.2	86		60	140
		Tetrachloro-m-xyl	2	20	18.4	92		60	140
		Decachlorobiphen	2	20	20.1	101		60	140

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2393 **Analytical Method:** 8082A

Client: Union Paving & Construction Company **DataFile :** PP073239.D

	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID:	**Q2392-01MS (Column 1)**	**Client Sample ID:**		**S-1MS**								
	AR1016	180.6	0	166	ug/kg	92				55	146	
	AR1260	180.6	0	164	ug/kg	91				54	119	
Lab Sample ID:	**Q2392-01MS (Column 2)**	**Client Sample ID:**		**S-1MS**								
	AR1016	180.6	0	152	ug/kg	84				55	146	
	AR1260	180.6	0	155	ug/kg	86				54	119	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2393 **Analytical Method:** 8082A

Client: Union Paving & Construction Company **DataFile :** PP073240.D

	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Lab Sample ID:	**Q2392-01MSD (Column 1)**	**Client Sample ID:**		**S-1MSD**								
	AR1016	180.3	0	165	ug/kg	92		0		55	146	15
	AR1260	180.3	0	164	ug/kg	91		0		54	119	15
Lab Sample ID:	**Q2392-01MSD (Column 2)**	**Client Sample ID:**		**S-1MSD**								
	AR1016	180.3	0	150	ug/kg	83		1		55	146	15
	AR1260	180.3	0	150	ug/kg	83		4		54	119	15

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2393 **Analytical Method:** 8082A

Client: Union Paving & Construction Company **Datafile :** PP073237.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB168607BS (Column 1)	AR1016	166.6	165	ug/kg	99				71	120	
	AR1260	166.6	165	ug/kg	99				65	130	
PB168607BS (Column 2)	AR1016	166.6	155	ug/kg	93				71	120	
	AR1260	166.6	152	ug/kg	91				65	130	

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4C

PESTICIDE METHOD BLANK SUMMARY

Client ID: PB168607BL

Lab Name: Alliance | Contract: UNIO02

Lab Code: ACE | SDG NO.: Q2393

Lab Sample ID: PB168607BL | Lab File ID: PP073236.D

Matrix: (soil/water) Solid | Extraction: (Type) SOXH

Sulfur Cleanup: (Y/N) N | Date Extracted: 06/25/2025

Date Analyzed (1): 06/25/2025 | Date Analyzed (2): 06/25/2025

Time Analyzed (1): 12:59 | Time Analyzed (2): 12:59

Instrument ID (1): ECD_P | Instrument ID (2): ECD_P

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
PB168607BS	PB168607BS	PP073237.D	06/25/2025	06/25/2025
S-1MS	Q2392-01MS	PP073239.D	06/25/2025	06/25/2025
S-1MSD	Q2392-01MSD	PP073240.D	06/25/2025	06/25/2025
PARK AVE -1	Q2393-01	PP073241.D	06/25/2025	06/25/2025
PARK AVE -2	Q2393-03	PP073242.D	06/25/2025	06/25/2025
PARK AVE -3	Q2393-05	PP073243.D	06/25/2025	06/25/2025
PARK AVE -4	Q2393-07	PP073244.D	06/25/2025	06/25/2025
PARK AVE -5	Q2393-09	PP073250.D	06/25/2025	06/25/2025
PARK AVE -6	Q2393-11	PP073251.D	06/25/2025	06/25/2025

COMMENTS:

QC SAMPLE DATA

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	
Project:	190 Park Ave Hanover Twp NJ - PO 3556-001	Date Received:	
Client Sample ID:	PB168607BL	SDG No.:	Q2393
Lab Sample ID:	PB168607BL	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	100 Decanted:
Sample Wt/Vol:	30.01 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP073236.D	1	06/25/25 08:45	06/25/25 12:59	PB168607

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	3.90	U	3.90	17.0	ug/kg
11104-28-2	Aroclor-1221	4.00	U	4.00	17.0	ug/kg
11141-16-5	Aroclor-1232	3.70	U	3.70	17.0	ug/kg
53469-21-9	Aroclor-1242	4.00	U	4.00	17.0	ug/kg
12672-29-6	Aroclor-1248	5.90	U	5.90	17.0	ug/kg
11097-69-1	Aroclor-1254	3.20	U	3.20	17.0	ug/kg
37324-23-5	Aroclor-1262	5.00	U	5.00	17.0	ug/kg
11100-14-4	Aroclor-1268	3.60	U	3.60	17.0	ug/kg
11096-82-5	Aroclor-1260	3.20	U	3.20	17.0	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19.8		32 - 144	99%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.5		32 - 175	103%	SPK: 20

Comments:

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

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

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Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/17/25
Project:	190 Park Ave Hanover Twp NJ - PO 3556-001	Date Received:	06/17/25
Client Sample ID:	PIBLK-PP072990.D	SDG No.:	Q2393
Lab Sample ID:	I.BLK-PP072990.D	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP072990.D	1		06/17/25	pp061725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.097	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.096	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.071	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.081	U	0.081	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	17.3		60 - 140	86%	SPK: 20
2051-24-3	Decachlorobiphenyl	17.2		60 - 140	86%	SPK: 20

Comments:

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

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

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Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/25/25
Project:	190 Park Ave Hanover Twp NJ - PO 3556-001	Date Received:	06/25/25
Client Sample ID:	PIBLK-PP073234.D	SDG No.:	Q2393
Lab Sample ID:	I.BLK-PP073234.D	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP073234.D	1		06/25/25	PP062525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.097	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.096	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.071	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.081	U	0.081	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19.2		60 - 140	96%	SPK: 20
2051-24-3	Decachlorobiphenyl	19.6		60 - 140	98%	SPK: 20

Comments:

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

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

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Fax : 908 789 8922

Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/25/25
Project:	190 Park Ave Hanover Twp NJ - PO 3556-001	Date Received:	06/25/25
Client Sample ID:	PIBLK-PP073249.D	SDG No.:	Q2393
Lab Sample ID:	I.BLK-PP073249.D	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP073249.D	1		06/25/25	PP062525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.097	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.096	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.071	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.081	U	0.081	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	18.5		60 - 140	93%	SPK: 20
2051-24-3	Decachlorobiphenyl	18.9		60 - 140	95%	SPK: 20

Comments:

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

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

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Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/25/25
Project:	190 Park Ave Hanover Twp NJ - PO 3556-001	Date Received:	06/25/25
Client Sample ID:	PIBLK-PP073264.D	SDG No.:	Q2393
Lab Sample ID:	I.BLK-PP073264.D	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP073264.D	1		06/25/25	PP062525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.097	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.096	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.071	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.081	U	0.081	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	17.7		60 - 140	89%	SPK: 20
2051-24-3	Decachlorobiphenyl	17.2		60 - 140	86%	SPK: 20

Comments:

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

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

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Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	
Project:	190 Park Ave Hanover Twp NJ - PO 3556-001	Date Received:	
Client Sample ID:	PB168607BS	SDG No.:	Q2393
Lab Sample ID:	PB168607BS	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	100 Decanted:
Sample Wt/Vol:	30.02 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP073237.D	1	06/25/25 08:45	06/25/25 13:15	PB168607

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	165		3.90	17.0	ug/kg
11104-28-2	Aroclor-1221	4.00	U	4.00	17.0	ug/kg
11141-16-5	Aroclor-1232	3.70	U	3.70	17.0	ug/kg
53469-21-9	Aroclor-1242	4.00	U	4.00	17.0	ug/kg
12672-29-6	Aroclor-1248	5.90	U	5.90	17.0	ug/kg
11097-69-1	Aroclor-1254	3.20	U	3.20	17.0	ug/kg
37324-23-5	Aroclor-1262	5.00	U	5.00	17.0	ug/kg
11100-14-4	Aroclor-1268	3.60	U	3.60	17.0	ug/kg
11096-82-5	Aroclor-1260	165		3.20	17.0	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.2		32 - 144	101%	SPK: 20
2051-24-3	Decachlorobiphenyl	21.6		32 - 175	108%	SPK: 20

Comments:

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

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

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Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 3556-001	Date Received:	06/23/25
Client Sample ID:	S-1MS	SDG No.:	Q2393
Lab Sample ID:	Q2392-01MS	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	92.2 Decanted:
Sample Wt/Vol:	30.03 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP073239.D	1	06/25/25 08:45	06/25/25 13:47	PB168607

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	166		4.30	18.4	ug/kg
11104-28-2	Aroclor-1221	4.40	U	4.40	18.4	ug/kg
11141-16-5	Aroclor-1232	4.00	U	4.00	18.4	ug/kg
53469-21-9	Aroclor-1242	4.30	U	4.30	18.4	ug/kg
12672-29-6	Aroclor-1248	6.40	U	6.40	18.4	ug/kg
11097-69-1	Aroclor-1254	3.50	U	3.50	18.4	ug/kg
37324-23-5	Aroclor-1262	5.40	U	5.40	18.4	ug/kg
11100-14-4	Aroclor-1268	3.90	U	3.90	18.4	ug/kg
11096-82-5	Aroclor-1260	164		3.50	18.4	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.8		32 - 144	104%	SPK: 20
2051-24-3	Decachlorobiphenyl	22.0		32 - 175	110%	SPK: 20

Comments:

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

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

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Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 3556-001	Date Received:	06/23/25
Client Sample ID:	S-1MSD	SDG No.:	Q2393
Lab Sample ID:	Q2392-01MSD	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	92.2 Decanted:
Sample Wt/Vol:	30.08 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP073240.D	1	06/25/25 08:45	06/25/25 14:04	PB168607

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	165		4.30	18.4	ug/kg
11104-28-2	Aroclor-1221	4.40	U	4.40	18.4	ug/kg
11141-16-5	Aroclor-1232	4.00	U	4.00	18.4	ug/kg
53469-21-9	Aroclor-1242	4.30	U	4.30	18.4	ug/kg
12672-29-6	Aroclor-1248	6.40	U	6.40	18.4	ug/kg
11097-69-1	Aroclor-1254	3.50	U	3.50	18.4	ug/kg
37324-23-5	Aroclor-1262	5.40	U	5.40	18.4	ug/kg
11100-14-4	Aroclor-1268	3.90	U	3.90	18.4	ug/kg
11096-82-5	Aroclor-1260	164		3.50	18.4	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19.2		32 - 144	96%	SPK: 20
2051-24-3	Decachlorobiphenyl	19.6		32 - 175	98%	SPK: 20

Comments:

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

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

CALIBRATION SUMMARY

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

Lab Name: Alliance **Contract:** UNIO02

Lab Code: ACE **SDG NO.:** Q2393

Instrument ID: ECD_P **Calibration Date(s):** 06/17/2025 06/17/2025

Calibration Times: 10:04 20:10

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

LAB FILE ID: RT 1000 = PP072991.D RT 750 = PP072992.D

RT 500 = PP072993.D RT 250 = PP072994.D RT 050 = PP072995.D

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Aroclor-1016-1	(1)	5.65	5.65	5.65	5.65	5.65	5.65	5.55	5.75
Aroclor-1016-2	(2)	5.67	5.67	5.67	5.67	5.67	5.67	5.57	5.77
Aroclor-1016-3	(3)	5.73	5.73	5.73	5.73	5.73	5.73	5.63	5.83
Aroclor-1016-4	(4)	5.83	5.83	5.83	5.83	5.83	5.83	5.73	5.93
Aroclor-1016-5	(5)	6.12	6.12	6.12	6.12	6.12	6.12	6.02	6.22
Aroclor-1260-1	(1)	7.24	7.24	7.24	7.24	7.24	7.24	7.14	7.34
Aroclor-1260-2	(2)	7.49	7.49	7.49	7.49	7.49	7.49	7.39	7.59
Aroclor-1260-3	(3)	7.85	7.85	7.85	7.85	7.85	7.85	7.75	7.95
Aroclor-1260-4	(4)	8.07	8.07	8.07	8.07	8.07	8.07	7.97	8.17
Aroclor-1260-5	(5)	8.39	8.39	8.39	8.39	8.39	8.39	8.29	8.49
Decachlorobiphenyl		10.19	10.19	10.19	10.19	10.19	10.19	10.09	10.29
Tetrachloro-m-xylene		4.49	4.49	4.49	4.49	4.50	4.49	4.39	4.59
Aroclor-1242-1	(1)	5.65	5.64	5.64	5.64	5.64	5.64	5.54	5.74
Aroclor-1242-2	(2)	5.67	5.67	5.67	5.67	5.67	5.67	5.57	5.77
Aroclor-1242-3	(3)	5.73	5.73	5.73	5.73	5.73	5.73	5.63	5.83
Aroclor-1242-4	(4)	5.83	5.82	5.83	5.83	5.82	5.83	5.73	5.93
Aroclor-1242-5	(5)	6.56	6.55	6.56	6.56	6.55	6.56	6.46	6.66
Decachlorobiphenyl		10.19	10.19	10.19	10.19	10.18	10.19	10.09	10.29
Tetrachloro-m-xylene		4.49	4.49	4.49	4.49	4.49	4.49	4.39	4.59
Aroclor-1248-1	(1)	5.64	5.64	5.65	5.64	5.64	5.64	5.54	5.74
Aroclor-1248-2	(2)	5.92	5.92	5.92	5.92	5.91	5.92	5.82	6.02
Aroclor-1248-3	(3)	6.12	6.12	6.12	6.12	6.12	6.12	6.02	6.22
Aroclor-1248-4	(4)	6.52	6.52	6.52	6.52	6.52	6.52	6.42	6.62
Aroclor-1248-5	(5)	6.56	6.56	6.56	6.56	6.55	6.56	6.46	6.66
Decachlorobiphenyl		10.19	10.19	10.19	10.19	10.18	10.19	10.09	10.29
Tetrachloro-m-xylene		4.49	4.49	4.49	4.49	4.49	4.49	4.39	4.59
Aroclor-1254-1	(1)	6.49	6.49	6.49	6.49	6.49	6.49	6.39	6.59
Aroclor-1254-2	(2)	6.71	6.71	6.71	6.71	6.71	6.71	6.61	6.81
Aroclor-1254-3	(3)	7.07	7.07	7.07	7.07	7.07	7.07	6.97	7.17
Aroclor-1254-4	(4)	7.35	7.35	7.35	7.36	7.35	7.35	7.25	7.45
Aroclor-1254-5	(5)	7.77	7.77	7.77	7.77	7.77	7.77	7.67	7.87
Decachlorobiphenyl		10.19	10.19	10.19	10.19	10.19	10.19	10.09	10.29
Tetrachloro-m-xylene		4.49	4.49	4.49	4.49	4.49	4.49	4.39	4.59
Aroclor-1268-1	(1)	8.70	8.70	8.70	8.70	8.70	8.70	8.60	8.80
Aroclor-1268-2	(2)	8.79	8.79	8.79	8.79	8.79	8.79	8.69	8.89
Aroclor-1268-3	(3)	9.02	9.02	9.02	9.02	9.02	9.02	8.92	9.12
Aroclor-1268-4	(4)	9.44	9.44	9.44	9.44	9.44	9.44	9.34	9.54
Aroclor-1268-5	(5)	9.85	9.85	9.85	9.85	9.85	9.85	9.75	9.95

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RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	10.19	10.18	10.18	10.19	10.18	10.19	10.09	10.29
Tetrachloro-m-xylene	4.49	4.49	4.49	4.50	4.49	4.49	4.39	4.59

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RETENTION TIMES OF INITIAL CALIBRATION

Lab Name: Alliance **Contract:** UNIO02

Lab Code: ACE **SDG NO.:** Q2393

Instrument ID: ECD_P **Calibration Date(s):** 06/17/2025 06/17/2025

Calibration Times: 10:04 20:10

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

LAB FILE ID: RT 1000 = PP072991.D RT 750 = PP072992.D

RT 500 = PP072993.D RT 250 = PP072994.D RT 050 = PP072995.D

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Aroclor-1016-1	(1)	4.87	4.87	4.87	4.87	4.87	4.87	4.77	4.97
Aroclor-1016-2	(2)	4.89	4.89	4.89	4.89	4.89	4.89	4.79	4.99
Aroclor-1016-3	(3)	5.06	5.06	5.06	5.06	5.06	5.06	4.96	5.16
Aroclor-1016-4	(4)	5.11	5.11	5.10	5.11	5.10	5.11	5.01	5.21
Aroclor-1016-5	(5)	5.32	5.32	5.32	5.32	5.32	5.32	5.22	5.42
Aroclor-1260-1	(1)	6.35	6.35	6.35	6.35	6.35	6.35	6.25	6.45
Aroclor-1260-2	(2)	6.54	6.54	6.54	6.54	6.54	6.54	6.44	6.64
Aroclor-1260-3	(3)	6.69	6.69	6.69	6.69	6.69	6.69	6.59	6.79
Aroclor-1260-4	(4)	7.16	7.16	7.16	7.16	7.16	7.16	7.06	7.26
Aroclor-1260-5	(5)	7.40	7.40	7.40	7.40	7.40	7.40	7.30	7.50
Decachlorobiphenyl		8.80	8.80	8.80	8.80	8.80	8.80	8.70	8.90
Tetrachloro-m-xylene		3.79	3.79	3.79	3.79	3.79	3.79	3.69	3.89
Aroclor-1242-1	(1)	4.87	4.87	4.87	4.87	4.87	4.87	4.77	4.97
Aroclor-1242-2	(2)	4.89	4.89	4.89	4.89	4.89	4.89	4.79	4.99
Aroclor-1242-3	(3)	5.06	5.06	5.06	5.06	5.06	5.06	4.96	5.16
Aroclor-1242-4	(4)	5.15	5.15	5.15	5.15	5.15	5.15	5.05	5.25
Aroclor-1242-5	(5)	5.67	5.67	5.67	5.67	5.67	5.67	5.57	5.77
Decachlorobiphenyl		8.80	8.80	8.80	8.80	8.80	8.80	8.70	8.90
Tetrachloro-m-xylene		3.79	3.79	3.79	3.79	3.79	3.79	3.69	3.89
Aroclor-1248-1	(1)	4.87	4.87	4.87	4.87	4.87	4.87	4.77	4.97
Aroclor-1248-2	(2)	5.10	5.10	5.10	5.10	5.10	5.10	5.00	5.20
Aroclor-1248-3	(3)	5.15	5.15	5.15	5.15	5.15	5.15	5.05	5.25
Aroclor-1248-4	(4)	5.32	5.32	5.32	5.32	5.32	5.32	5.22	5.42
Aroclor-1248-5	(5)	5.71	5.71	5.71	5.71	5.71	5.71	5.61	5.81
Decachlorobiphenyl		8.80	8.80	8.80	8.80	8.80	8.80	8.70	8.90
Tetrachloro-m-xylene		3.79	3.79	3.79	3.79	3.79	3.79	3.69	3.89
Aroclor-1254-1	(1)	5.67	5.67	5.67	5.67	5.67	5.67	5.57	5.77
Aroclor-1254-2	(2)	5.82	5.82	5.82	5.82	5.82	5.82	5.72	5.92
Aroclor-1254-3	(3)	6.22	6.22	6.22	6.22	6.22	6.22	6.12	6.32
Aroclor-1254-4	(4)	6.45	6.45	6.45	6.45	6.45	6.45	6.35	6.55
Aroclor-1254-5	(5)	6.86	6.86	6.86	6.87	6.86	6.86	6.76	6.96
Decachlorobiphenyl		8.80	8.80	8.80	8.80	8.80	8.80	8.70	8.90
Tetrachloro-m-xylene		3.79	3.79	3.79	3.79	3.79	3.79	3.69	3.89
Aroclor-1268-1	(1)	7.68	7.68	7.68	7.68	7.68	7.68	7.58	7.78
Aroclor-1268-2	(2)	7.75	7.75	7.75	7.75	7.75	7.75	7.65	7.85
Aroclor-1268-3	(3)	7.95	7.95	7.95	7.95	7.95	7.95	7.85	8.05
Aroclor-1268-4	(4)	8.24	8.25	8.25	8.24	8.24	8.24	8.14	8.34
Aroclor-1268-5	(5)	8.54	8.54	8.54	8.54	8.54	8.54	8.44	8.64

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RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	8.80	8.80	8.80	8.80	8.80	8.80	8.70	8.90
Tetrachloro-m-xylene	3.79	3.79	3.79	3.79	3.79	3.79	3.69	3.89

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CALIBRATION FACTOR OF INITIAL CALIBRATION

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

Contract: UNIO02
SDG NO.: Q2393
Calibration Date(s): 06/17/2025 06/17/2025
Calibration Times: 10:04 20:10

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

LAB FILE ID: CF 1000 = PP072991.D CF 750 = PP072992.D
CF 500 = PP072993.D CF 250 = PP072994.D CF 050 = PP072995.D

COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	63671603	67644257	70148492	76963128	84930220	72671540	12
Aroclor-1016-2	(2)	97440661	102354848	107008936	114458460	98840440	104020669	7
Aroclor-1016-3	(3)	59983524	63267185	65041372	73554480	64895380	65348388	8
Aroclor-1016-4	(4)	50589003	52912481	54400336	56287652	47214800	52280854	7
Aroclor-1016-5	(5)	46240143	47840919	49349310	51433860	55161280	50005102	7
Aroclor-1260-1	(1)	82538787	86792979	90284630	94211564	87238820	88213356	5
Aroclor-1260-2	(2)	125600539	132072107	137363486	143645412	140737120	135883733	5
Aroclor-1260-3	(3)	106201830	111185451	115341698	120182220	117849880	114152216	5
Aroclor-1260-4	(4)	98670506	102821608	101520658	108282220	103932620	103045522	3
Aroclor-1260-5	(5)	227637841	236485680	245198018	255372264	238418920	240622545	4
Decachlorobiphenyl		1620648950	1677444467	1749703060	1784234960	1712434400	1708893167	4
Tetrachloro-m-xylene		1977356170	2059482187	2109826840	2243117400	2164249200	2110806359	5
Aroclor-1242-1	(1)	54005130	54512615	57421654	60290804	65956000	58437241	8
Aroclor-1242-2	(2)	81931377	79616400	88109514	98852440	84261940	86554334	9
Aroclor-1242-3	(3)	50398728	48446856	53645312	57446220	53601300	52707683	7
Aroclor-1242-4	(4)	42240385	41710237	44319270	46660108	44861080	43958216	5
Aroclor-1242-5	(5)	45003164	45972225	47192024	56790384	52840600	49559679	10
Decachlorobiphenyl		1612495640	1627929573	1725341220	1814607120	1610121000	1678098911	5
Tetrachloro-m-xylene		1888746510	1833283947	1976454780	2024098800	2031619200	1950840647	4
Aroclor-1248-1	(1)	41858490	44170731	45862520	49041552	56908940	47568447	12
Aroclor-1248-2	(2)	55380415	58022209	55617524	59041032	64693660	58550968	6
Aroclor-1248-3	(3)	63266998	66239924	62737624	66758520	67243400	65249293	3
Aroclor-1248-4	(4)	77728954	82015129	82895984	86036548	96645880	85064499	8
Aroclor-1248-5	(5)	75041779	78134308	81070348	82544344	101675060	83693168	12
Decachlorobiphenyl		1620420410	1689508547	1707113880	1772211040	1987340600	1755318895	8
Tetrachloro-m-xylene		1885218090	1960849747	1904121260	1960400040	2044577000	1951033227	3
Aroclor-1254-1	(1)	73763285	78885443	81757104	88891384	97572240	84173891	11
Aroclor-1254-2	(2)	111451506	118674340	123357828	133620984	139899720	125400876	9
Aroclor-1254-3	(3)	119235877	126285657	130365552	141133040	139034740	131210973	7
Aroclor-1254-4	(4)	108754762	114515340	117946542	128101128	129602040	119783962	7
Aroclor-1254-5	(5)	106940669	112254864	115991910	123909512	112185340	114256459	6
Decachlorobiphenyl		1648218000	1739306053	1775656020	1935470960	1659491600	1751628527	7
Tetrachloro-m-xylene		1872735760	1960277133	2019595300	2159825040	2074265000	2017339647	5
Aroclor-1268-1	(1)	342609292	345928729	355896714	398597476	345083220	357623086	7

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	290418323	293649853	302966618	340918088	297353440	305061264	7
Aroclor-1268-3	(3)	249992898	253511760	262173960	295232256	266657480	265513671	7
Aroclor-1268-4	(4)	114648839	115165531	118059850	128871696	108376940	117024571	6
Aroclor-1268-5	(5)	713831298	735909031	738672980	819932440	689883900	739645930	7
Decachlorobiphenyl		3002859930	3106573307	3204862440	3588507520	3062996400	3193159919	7
Tetrachloro-m-xylene		1965399560	2013897333	2066727860	2334276840	2005844200	2077229159	7

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Lab Name: Alliance **Contract:** UNIO02

Lab Code: ACE **SDG NO.:** Q2393

Instrument ID: ECD_P **Calibration Date(s):** 06/17/2025 06/17/2025

Calibration Times: 10:04 20:10

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

LAB FILE ID: **CF 1000 =** PP072991.D **CF 750 =** PP072992.D

CF 500 = PP072993.D **CF 250 =** PP072994.D **CF 050 =** PP072995.D

COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	58734267	64000205	67674152	72695560	80484240	68717685	12
Aroclor-1016-2	(2)	90382349	94344453	98038690	104433472	115993580	100638509	10
Aroclor-1016-3	(3)	48136215	50748025	53595712	56975444	64125620	54716203	11
Aroclor-1016-4	(4)	38107893	40907291	43245840	46954372	53532680	44549615	13
Aroclor-1016-5	(5)	49203503	51615780	54910048	58505108	62177080	55282304	9
Aroclor-1260-1	(1)	84892100	88579871	95448406	100236824	104495860	94730612	9
Aroclor-1260-2	(2)	105588352	108160505	115763440	121715240	130953840	116436275	9
Aroclor-1260-3	(3)	96095206	97763095	104346708	109521728	113078520	104161051	7
Aroclor-1260-4	(4)	77788306	79915727	86740682	92092068	102155800	87738517	11
Aroclor-1260-5	(5)	196041650	198840268	209548214	218270728	244301260	213400424	9
Decachlorobiphenyl		1225771100	1248497173	1342901640	1435827000	1420581600	1334715703	7
Tetrachloro-m-xylene		1662896120	1767446653	1788437460	1893713440	1896490200	1801796775	5
Aroclor-1242-1	(1)	50070930	49549424	54443442	59214632	62816600	55219006	10
Aroclor-1242-2	(2)	73623300	71492977	79469612	84317900	88528280	79486414	9
Aroclor-1242-3	(3)	39446084	38282884	42982138	46709656	49104180	43304988	11
Aroclor-1242-4	(4)	37721961	36558999	41186366	44840456	47211420	41503840	11
Aroclor-1242-5	(5)	49158591	46923105	52837542	55505240	58508140	52586524	9
Decachlorobiphenyl		1205418560	1226140693	1281128260	1336855440	1341504000	1278209391	5
Tetrachloro-m-xylene		1683517200	1544398853	1783586240	1693726480	1780668000	1697179355	6
Aroclor-1248-1	(1)	39929038	42320627	40002718	45282436	50417100	43590384	10
Aroclor-1248-2	(2)	53044396	57410791	53304096	60483108	68735640	58595606	11
Aroclor-1248-3	(3)	55822275	59851821	54787908	62834628	69424220	60544170	10
Aroclor-1248-4	(4)	64712793	69142612	62749900	72698224	80808780	70022462	10
Aroclor-1248-5	(5)	65436447	68813545	68635516	72459776	79814180	71031893	8
Decachlorobiphenyl		1226985710	1250965200	1294060880	1349363760	1435080400	1311291190	6
Tetrachloro-m-xylene		1707872610	1775213400	1595172200	1742416320	1838339400	1731802786	5
Aroclor-1254-1	(1)	94131500	102369100	108358230	120483728	122907600	109650032	11
Aroclor-1254-2	(2)	80645865	88030495	92596756	103733056	107725280	94546290	12
Aroclor-1254-3	(3)	128776319	138178049	147317104	161124892	162339800	147547233	10
Aroclor-1254-4	(4)	83562949	90268741	96675708	106896836	108101020	97101051	11
Aroclor-1254-5	(5)	116424396	122854644	129598642	142067368	138868340	129962678	8
Decachlorobiphenyl		1234350420	1314370427	1354328000	1438665160	1427909200	1353924641	6
Tetrachloro-m-xylene		1670033590	1775346533	1836392320	1937020080	1788575000	1801473505	5
Aroclor-1268-1	(1)	263809069	277704169	280800266	313024424	300977600	287263106	7

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	236468443	251452185	251704404	280300416	265662900	257117670	6
Aroclor-1268-3	(3)	197435098	210533244	211556648	231588560	228588480	215940406	7
Aroclor-1268-4	(4)	83966367	90997261	93004838	103484904	99474300	94185534	8
Aroclor-1268-5	(5)	544182935	572449871	587387342	623593632	566405340	578803824	5
Decachlorobiphenyl		2216214780	2314031280	2438938620	2677731000	2452104000	2419803936	7
Tetrachloro-m-xylene		1798342890	1816167067	1835922080	2018457320	1810038400	1855785551	5

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance **Contract:** UNIO02

Lab Code: ACE **SDG NO.:** Q2393

Instrument ID: ECD_P **Date(s) Analyzed:** 06/17/2025 06/17/2025

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Aroclor-1221	500	1	4.69	4.59	4.79	24659200
		2	4.78	4.68	4.88	20179000
		3	4.85	4.75	4.95	61551400
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.86	4.76	4.96	46956200
		2	5.38	5.28	5.48	22369800
		3	5.67	5.57	5.77	51597600
		4	5.83	5.73	5.93	25810400
		5	5.92	5.82	6.02	35670200
Aroclor-1262	500	1	8.07	7.97	8.17	148023000
		2	8.39	8.29	8.49	316466000
		3	8.70	8.60	8.80	213972000
		4	8.79	8.69	8.89	157593000
		5	9.44	9.34	9.54	111864000

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance **Contract:** UNIO02

Lab Code: ACE **SDG NO.:** Q2393

Instrument ID: ECD_P **Date(s) Analyzed:** 06/17/2025 06/17/2025

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Aroclor-1221	500	1	4.00	3.90	4.10	26872400
		2	4.09	3.99	4.19	20185400
		3	4.16	4.06	4.26	58732000
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.16	4.06	4.26	45564800
		2	4.89	4.79	4.99	46259800
		3	5.06	4.96	5.16	24558000
		4	5.15	5.05	5.25	21625200
		5	5.32	5.22	5.42	22858800
Aroclor-1262	500	1	6.90	6.80	7.00	144467000
		2	7.16	7.06	7.26	122231000
		3	7.68	7.58	7.78	112703000
		4	7.75	7.65	7.85	183356000
		5	8.24	8.14	8.34	86585200

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** UNIO02

Lab Code: ACE **SDG NO.:** Q2393

Continuing Calib Date: 06/25/2025 **Initial Calibration Date(s):** 06/17/2025 06/17/2025

Continuing Calib Time: 09:47 **Initial Calibration Time(s):** 10:04 20:10

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1016-1	(1)	5.64	5.65	5.55	5.75	0.01
Aroclor-1016-2	(2)	5.66	5.67	5.57	5.77	0.01
Aroclor-1016-3	(3)	5.73	5.73	5.63	5.83	0.00
Aroclor-1016-4	(4)	5.82	5.83	5.73	5.93	0.01
Aroclor-1016-5	(5)	6.12	6.12	6.02	6.22	0.01
Aroclor-1260-1	(1)	7.23	7.24	7.14	7.34	0.01
Aroclor-1260-2	(2)	7.49	7.49	7.39	7.59	0.00
Aroclor-1260-3	(3)	7.84	7.85	7.75	7.95	0.01
Aroclor-1260-4	(4)	8.07	8.07	7.97	8.17	0.00
Aroclor-1260-5	(5)	8.39	8.39	8.29	8.49	0.00
Tetrachloro-m-xylene		4.49	4.49	4.39	4.59	0.00
Decachlorobiphenyl		10.18	10.19	10.09	10.29	0.01

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** UNIO02

Lab Code: ACE **SDG NO.:** Q2393

Continuing Calib Date: 06/25/2025 **Initial Calibration Date(s):** 06/17/2025 06/17/2025

Continuing Calib Time: 09:47 **Initial Calibration Time(s):** 10:04 20:10

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1016-1	(1)	4.87	4.87	4.77	4.97	0.01
Aroclor-1016-2	(2)	4.88	4.89	4.79	4.99	0.01
Aroclor-1016-3	(3)	5.06	5.06	4.96	5.16	0.00
Aroclor-1016-4	(4)	5.10	5.10	5.00	5.20	0.00
Aroclor-1016-5	(5)	5.31	5.32	5.22	5.42	0.01
Aroclor-1260-1	(1)	6.35	6.35	6.25	6.45	0.01
Aroclor-1260-2	(2)	6.53	6.54	6.44	6.64	0.01
Aroclor-1260-3	(3)	6.69	6.69	6.59	6.79	0.01
Aroclor-1260-4	(4)	7.16	7.16	7.06	7.26	0.00
Aroclor-1260-5	(5)	7.40	7.40	7.30	7.50	0.00
Tetrachloro-m-xylene		3.79	3.79	3.69	3.89	0.00
Decachlorobiphenyl		8.79	8.80	8.70	8.90	0.01

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** UNIO02

Lab Code: ACE **SDG NO.:** Q2393

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 06/17/2025 06/17/2025

Client Sample No.: CCAL01 **Date Analyzed:** 06/25/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP073230.D **Time Analyzed:** 09:47

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.642	5.546	5.746	497.850	500.000	-0.4
Aroclor-1016-2	5.663	5.567	5.767	531.200	500.000	6.2
Aroclor-1016-3	5.726	5.629	5.829	527.920	500.000	5.6
Aroclor-1016-4	5.823	5.727	5.927	553.300	500.000	10.7
Aroclor-1016-5	6.115	6.019	6.219	524.910	500.000	5.0
Aroclor-1260-1	7.231	7.136	7.336	558.340	500.000	11.7
Aroclor-1260-2	7.485	7.389	7.589	543.860	500.000	8.8
Aroclor-1260-3	7.843	7.747	7.947	553.660	500.000	10.7
Aroclor-1260-4	8.067	7.971	8.171	560.880	500.000	12.2
Aroclor-1260-5	8.385	8.288	8.488	533.220	500.000	6.6
Decachlorobiphenyl	10.182	10.087	10.287	51.670	50.000	3.3
Tetrachloro-m-xylene	4.491	4.394	4.594	51.870	50.000	3.7

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** UNIO02

Lab Code: ACE **SDG NO.:** Q2393

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 06/17/2025 06/17/2025

Client Sample No.: CCAL01 **Date Analyzed:** 06/25/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP073230.D **Time Analyzed:** 09:47

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.865	4.768	4.968	478.630	500.000	-4.3
Aroclor-1016-2	4.882	4.786	4.986	499.110	500.000	-0.2
Aroclor-1016-3	5.059	4.962	5.162	500.330	500.000	0.1
Aroclor-1016-4	5.101	5.004	5.204	498.360	500.000	-0.3
Aroclor-1016-5	5.314	5.218	5.418	534.890	500.000	7.0
Aroclor-1260-1	6.345	6.249	6.449	506.310	500.000	1.3
Aroclor-1260-2	6.534	6.438	6.638	518.190	500.000	3.6
Aroclor-1260-3	6.685	6.589	6.789	499.370	500.000	-0.1
Aroclor-1260-4	7.155	7.060	7.260	493.440	500.000	-1.3
Aroclor-1260-5	7.397	7.302	7.502	497.480	500.000	-0.5
Decachlorobiphenyl	8.792	8.697	8.897	53.360	50.000	6.7
Tetrachloro-m-xylene	3.785	3.688	3.888	49.360	50.000	-1.3

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** UNIO02

Lab Code: ACE **SDG NO.:** Q2393

Continuing Calib Date: 06/25/2025 **Initial Calibration Date(s):** 06/17/2025 06/17/2025

Continuing Calib Time: 15:59 **Initial Calibration Time(s):** 10:04 20:10

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	5.64	5.65	5.55	5.75	0.01
Aroclor-1016-2	(2)	5.67	5.67	5.57	5.77	0.00
Aroclor-1016-3	(3)	5.73	5.73	5.63	5.83	0.00
Aroclor-1016-4	(4)	5.83	5.83	5.73	5.93	0.00
Aroclor-1016-5	(5)	6.12	6.12	6.02	6.22	0.00
Aroclor-1260-1	(1)	7.23	7.24	7.14	7.34	0.01
Aroclor-1260-2	(2)	7.49	7.49	7.39	7.59	0.00
Aroclor-1260-3	(3)	7.85	7.85	7.75	7.95	0.01
Aroclor-1260-4	(4)	8.07	8.07	7.97	8.17	0.00
Aroclor-1260-5	(5)	8.39	8.39	8.29	8.49	0.00
Tetrachloro-m-xylene		4.49	4.49	4.39	4.59	0.00
Decachlorobiphenyl		10.18	10.19	10.09	10.29	0.01

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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** UNIO02

Lab Code: ACE **SDG NO.:** Q2393

Continuing Calib Date: 06/25/2025 **Initial Calibration Date(s):** 06/17/2025 06/17/2025

Continuing Calib Time: 15:59 **Initial Calibration Time(s):** 10:04 20:10

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	4.87	4.87	4.77	4.97	0.00
Aroclor-1016-2	(2)	4.88	4.89	4.79	4.99	0.01
Aroclor-1016-3	(3)	5.06	5.06	4.96	5.16	0.00
Aroclor-1016-4	(4)	5.10	5.10	5.00	5.20	0.00
Aroclor-1016-5	(5)	5.32	5.32	5.22	5.42	0.00
Aroclor-1260-1	(1)	6.35	6.35	6.25	6.45	0.00
Aroclor-1260-2	(2)	6.54	6.54	6.44	6.64	0.01
Aroclor-1260-3	(3)	6.69	6.69	6.59	6.79	0.00
Aroclor-1260-4	(4)	7.16	7.16	7.06	7.26	0.00
Aroclor-1260-5	(5)	7.40	7.40	7.30	7.50	0.00
Tetrachloro-m-xylene		3.79	3.79	3.69	3.89	0.00
Decachlorobiphenyl		8.79	8.80	8.70	8.90	0.01

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** UNIO02

Lab Code: ACE **SDG NO.:** Q2393

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 06/17/2025 06/17/2025

Client Sample No.: CCAL02 **Date Analyzed:** 06/25/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP073245.D **Time Analyzed:** 15:59

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.644	5.546	5.746	491.050	500.000	-1.8
Aroclor-1016-2	5.666	5.567	5.767	517.830	500.000	3.6
Aroclor-1016-3	5.728	5.629	5.829	515.440	500.000	3.1
Aroclor-1016-4	5.826	5.727	5.927	548.500	500.000	9.7
Aroclor-1016-5	6.117	6.019	6.219	510.890	500.000	2.2
Aroclor-1260-1	7.233	7.136	7.336	549.470	500.000	9.9
Aroclor-1260-2	7.487	7.389	7.589	535.750	500.000	7.2
Aroclor-1260-3	7.845	7.747	7.947	541.180	500.000	8.2
Aroclor-1260-4	8.069	7.971	8.171	540.740	500.000	8.1
Aroclor-1260-5	8.386	8.288	8.488	517.600	500.000	3.5
Decachlorobiphenyl	10.183	10.087	10.287	50.590	50.000	1.2
Tetrachloro-m-xylene	4.493	4.394	4.594	50.850	50.000	1.7

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** UNIO02

Lab Code: ACE **SDG NO.:** Q2393

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 06/17/2025 06/17/2025

Client Sample No.: CCAL02 **Date Analyzed:** 06/25/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP073245.D **Time Analyzed:** 15:59

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.866	4.768	4.968	493.090	500.000	-1.4
Aroclor-1016-2	4.883	4.786	4.986	489.210	500.000	-2.2
Aroclor-1016-3	5.060	4.962	5.162	496.280	500.000	-0.7
Aroclor-1016-4	5.102	5.004	5.204	491.290	500.000	-1.7
Aroclor-1016-5	5.315	5.218	5.418	539.600	500.000	7.9
Aroclor-1260-1	6.346	6.249	6.449	499.230	500.000	-0.2
Aroclor-1260-2	6.535	6.438	6.638	517.590	500.000	3.5
Aroclor-1260-3	6.686	6.589	6.789	495.890	500.000	-0.8
Aroclor-1260-4	7.156	7.060	7.260	493.520	500.000	-1.3
Aroclor-1260-5	7.398	7.302	7.502	497.660	500.000	-0.5
Decachlorobiphenyl	8.792	8.697	8.897	52.400	50.000	4.8
Tetrachloro-m-xylene	3.786	3.688	3.888	49.630	50.000	-0.7

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** UNIO02

Lab Code: ACE **SDG NO.:** Q2393

Continuing Calib Date: 06/25/2025 **Initial Calibration Date(s):** 06/17/2025 06/17/2025

Continuing Calib Time: 20:54 **Initial Calibration Time(s):** 10:04 20:10

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	5.64	5.65	5.55	5.75	0.01
Aroclor-1016-2	(2)	5.67	5.67	5.57	5.77	0.01
Aroclor-1016-3	(3)	5.73	5.73	5.63	5.83	0.00
Aroclor-1016-4	(4)	5.82	5.83	5.73	5.93	0.01
Aroclor-1016-5	(5)	6.12	6.12	6.02	6.22	0.00
Aroclor-1260-1	(1)	7.23	7.24	7.14	7.34	0.01
Aroclor-1260-2	(2)	7.49	7.49	7.39	7.59	0.00
Aroclor-1260-3	(3)	7.84	7.85	7.75	7.95	0.01
Aroclor-1260-4	(4)	8.07	8.07	7.97	8.17	0.00
Aroclor-1260-5	(5)	8.39	8.39	8.29	8.49	0.00
Tetrachloro-m-xylene		4.49	4.49	4.39	4.59	0.00
Decachlorobiphenyl		10.18	10.19	10.09	10.29	0.01

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** UNIO02

Lab Code: ACE **SDG NO.:** Q2393

Continuing Calib Date: 06/25/2025 **Initial Calibration Date(s):** 06/17/2025 06/17/2025

Continuing Calib Time: 20:54 **Initial Calibration Time(s):** 10:04 20:10

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	4.87	4.87	4.77	4.97	0.00
Aroclor-1016-2	(2)	4.88	4.89	4.79	4.99	0.01
Aroclor-1016-3	(3)	5.06	5.06	4.96	5.16	0.00
Aroclor-1016-4	(4)	5.10	5.10	5.00	5.20	0.00
Aroclor-1016-5	(5)	5.32	5.32	5.22	5.42	0.00
Aroclor-1260-1	(1)	6.35	6.35	6.25	6.45	0.00
Aroclor-1260-2	(2)	6.54	6.54	6.44	6.64	0.01
Aroclor-1260-3	(3)	6.69	6.69	6.59	6.79	0.00
Aroclor-1260-4	(4)	7.16	7.16	7.06	7.26	0.00
Aroclor-1260-5	(5)	7.40	7.40	7.30	7.50	0.00
Tetrachloro-m-xylene		3.79	3.79	3.69	3.89	0.00
Decachlorobiphenyl		8.79	8.80	8.70	8.90	0.01

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** UNIO02

Lab Code: ACE **SDG NO.:** Q2393

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 06/17/2025 06/17/2025

Client Sample No.: CCAL03 **Date Analyzed:** 06/25/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP073260.D **Time Analyzed:** 20:54

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.643	5.546	5.746	467.170	500.000	-6.6
Aroclor-1016-2	5.665	5.567	5.767	485.650	500.000	-2.9
Aroclor-1016-3	5.727	5.629	5.829	486.920	500.000	-2.6
Aroclor-1016-4	5.824	5.727	5.927	512.820	500.000	2.6
Aroclor-1016-5	6.116	6.019	6.219	480.300	500.000	-3.9
Aroclor-1260-1	7.233	7.136	7.336	501.350	500.000	0.3
Aroclor-1260-2	7.486	7.389	7.589	484.800	500.000	-3.0
Aroclor-1260-3	7.844	7.747	7.947	476.370	500.000	-4.7
Aroclor-1260-4	8.068	7.971	8.171	484.000	500.000	-3.2
Aroclor-1260-5	8.386	8.288	8.488	457.790	500.000	-8.4
Decachlorobiphenyl	10.184	10.087	10.287	46.170	50.000	-7.7
Tetrachloro-m-xylene	4.492	4.394	4.594	47.050	50.000	-5.9

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** UNIO02

Lab Code: ACE **SDG NO.:** Q2393

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 06/17/2025 06/17/2025

Client Sample No.: CCAL03 **Date Analyzed:** 06/25/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP073260.D **Time Analyzed:** 20:54

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.866	4.768	4.968	483.320	500.000	-3.3
Aroclor-1016-2	4.884	4.786	4.986	493.020	500.000	-1.4
Aroclor-1016-3	5.060	4.962	5.162	492.960	500.000	-1.4
Aroclor-1016-4	5.102	5.004	5.204	489.880	500.000	-2.0
Aroclor-1016-5	5.315	5.218	5.418	542.220	500.000	8.4
Aroclor-1260-1	6.347	6.249	6.449	492.220	500.000	-1.6
Aroclor-1260-2	6.535	6.438	6.638	544.410	500.000	8.9
Aroclor-1260-3	6.687	6.589	6.789	491.150	500.000	-1.8
Aroclor-1260-4	7.157	7.060	7.260	476.840	500.000	-4.6
Aroclor-1260-5	7.398	7.302	7.502	477.200	500.000	-4.6
Decachlorobiphenyl	8.793	8.697	8.897	50.930	50.000	1.9
Tetrachloro-m-xylene	3.786	3.688	3.888	49.440	50.000	-1.1

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Analytical Sequence

Client: Union Paving & Construction Company **SDG No.:** Q2393

Project: 190 Park Ave Hanover Twp NJ - PO 3556-00 **Instrument ID:** ECD_P

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 06/17/2025 06/17/2025

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 #
I.BLK	I.BLK	06/17/2025	09:47	PP072990.D	10.19	4.49
AR1660ICC1000	AR1660ICC1000	06/17/2025	10:04	PP072991.D	10.19	4.49
AR1660ICC750	AR1660ICC750	06/17/2025	10:20	PP072992.D	10.19	4.49
AR1660ICC500	AR1660ICC500	06/17/2025	10:37	PP072993.D	10.19	4.49
AR1660ICC250	AR1660ICC250	06/17/2025	10:53	PP072994.D	10.19	4.49
AR1660ICC050	AR1660ICC050	06/17/2025	11:43	PP072995.D	10.19	4.50
AR1221ICC500	AR1221ICC500	06/17/2025	12:00	PP072996.D	10.18	4.49
AR1232ICC500	AR1232ICC500	06/17/2025	12:16	PP072997.D	10.19	4.50
AR1242ICC1000	AR1242ICC1000	06/17/2025	14:27	PP072998.D	10.19	4.49
AR1242ICC750	AR1242ICC750	06/17/2025	14:43	PP072999.D	10.19	4.49
AR1242ICC500	AR1242ICC500	06/17/2025	15:00	PP073000.D	10.19	4.49
AR1242ICC250	AR1242ICC250	06/17/2025	15:16	PP073001.D	10.19	4.49
AR1242ICC050	AR1242ICC050	06/17/2025	15:32	PP073002.D	10.18	4.49
AR1248ICC1000	AR1248ICC1000	06/17/2025	15:49	PP073003.D	10.19	4.49
AR1248ICC750	AR1248ICC750	06/17/2025	16:21	PP073004.D	10.19	4.49
AR1248ICC500	AR1248ICC500	06/17/2025	16:37	PP073005.D	10.19	4.49
AR1248ICC250	AR1248ICC250	06/17/2025	16:54	PP073006.D	10.19	4.49
AR1248ICC050	AR1248ICC050	06/17/2025	17:10	PP073007.D	10.18	4.49
AR1254ICC1000	AR1254ICC1000	06/17/2025	17:26	PP073008.D	10.19	4.49
AR1254ICC750	AR1254ICC750	06/17/2025	17:43	PP073009.D	10.19	4.49
AR1254ICC500	AR1254ICC500	06/17/2025	17:59	PP073010.D	10.19	4.49
AR1254ICC250	AR1254ICC250	06/17/2025	18:15	PP073011.D	10.19	4.49
AR1254ICC050	AR1254ICC050	06/17/2025	18:32	PP073012.D	10.19	4.49
AR1262ICC500	AR1262ICC500	06/17/2025	18:48	PP073013.D	10.19	4.49
AR1268ICC1000	AR1268ICC1000	06/17/2025	19:04	PP073014.D	10.19	4.49
AR1268ICC750	AR1268ICC750	06/17/2025	19:21	PP073015.D	10.18	4.49
AR1268ICC500	AR1268ICC500	06/17/2025	19:37	PP073016.D	10.18	4.49
AR1268ICC250	AR1268ICC250	06/17/2025	19:53	PP073017.D	10.19	4.50
AR1268ICC050	AR1268ICC050	06/17/2025	20:10	PP073018.D	10.18	4.49
AR1660CCC500	AR1660CCC500	06/25/2025	09:47	PP073230.D	10.18	4.49
I.BLK	I.BLK	06/25/2025	10:52	PP073234.D	10.18	4.49
PB168607BL	PB168607BL	06/25/2025	12:59	PP073236.D	10.18	4.49
PB168607BS	PB168607BS	06/25/2025	13:15	PP073237.D	10.18	4.49
S-1MS	Q2392-01MS	06/25/2025	13:47	PP073239.D	10.18	4.49
S-1MSD	Q2392-01MSD	06/25/2025	14:04	PP073240.D	10.18	4.49
PARK AVE -1	Q2393-01	06/25/2025	14:20	PP073241.D	10.18	4.49
PARK AVE -2	Q2393-03	06/25/2025	14:37	PP073242.D	10.18	4.49
PARK AVE -3	Q2393-05	06/25/2025	14:53	PP073243.D	10.18	4.49
PARK AVE -4	Q2393-07	06/25/2025	15:09	PP073244.D	10.18	4.49
AR1660CCC500	AR1660CCC500	06/25/2025	15:59	PP073245.D	10.18	4.49
I.BLK	I.BLK	06/25/2025	17:04	PP073249.D	10.19	4.50
PARK AVE -5	Q2393-09	06/25/2025	17:21	PP073250.D	10.18	4.49

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Analytical Sequence

PARK AVE -6	Q2393-11	06/25/2025	17:37	PP073251.D	10.18	4.49
AR1660CCC500	AR1660CCC500	06/25/2025	20:54	PP073260.D	10.18	4.49
I.BLK	I.BLK	06/25/2025	22:17	PP073264.D	10.18	4.49

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

Analytical Sequence

Client: Union Paving & Construction Company **SDG No.:** Q2393

Project: 190 Park Ave Hanover Twp NJ - PO 3556-00 **Instrument ID:** ECD_P

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 06/17/2025 06/17/2025

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 #
I.BLK	I.BLK	06/17/2025	09:47	PP072990.D	8.80	3.79
AR1660ICC1000	AR1660ICC1000	06/17/2025	10:04	PP072991.D	8.80	3.79
AR1660ICC750	AR1660ICC750	06/17/2025	10:20	PP072992.D	8.80	3.79
AR1660ICC500	AR1660ICC500	06/17/2025	10:37	PP072993.D	8.80	3.79
AR1660ICC250	AR1660ICC250	06/17/2025	10:53	PP072994.D	8.80	3.79
AR1660ICC050	AR1660ICC050	06/17/2025	11:43	PP072995.D	8.80	3.79
AR1221ICC500	AR1221ICC500	06/17/2025	12:00	PP072996.D	8.80	3.79
AR1232ICC500	AR1232ICC500	06/17/2025	12:16	PP072997.D	8.80	3.79
AR1242ICC1000	AR1242ICC1000	06/17/2025	14:27	PP072998.D	8.80	3.79
AR1242ICC750	AR1242ICC750	06/17/2025	14:43	PP072999.D	8.80	3.79
AR1242ICC500	AR1242ICC500	06/17/2025	15:00	PP073000.D	8.80	3.79
AR1242ICC250	AR1242ICC250	06/17/2025	15:16	PP073001.D	8.80	3.79
AR1242ICC050	AR1242ICC050	06/17/2025	15:32	PP073002.D	8.80	3.79
AR1248ICC1000	AR1248ICC1000	06/17/2025	15:49	PP073003.D	8.80	3.79
AR1248ICC750	AR1248ICC750	06/17/2025	16:21	PP073004.D	8.80	3.79
AR1248ICC500	AR1248ICC500	06/17/2025	16:37	PP073005.D	8.80	3.79
AR1248ICC250	AR1248ICC250	06/17/2025	16:54	PP073006.D	8.80	3.79
AR1248ICC050	AR1248ICC050	06/17/2025	17:10	PP073007.D	8.80	3.79
AR1254ICC1000	AR1254ICC1000	06/17/2025	17:26	PP073008.D	8.80	3.79
AR1254ICC750	AR1254ICC750	06/17/2025	17:43	PP073009.D	8.80	3.79
AR1254ICC500	AR1254ICC500	06/17/2025	17:59	PP073010.D	8.80	3.79
AR1254ICC250	AR1254ICC250	06/17/2025	18:15	PP073011.D	8.80	3.79
AR1254ICC050	AR1254ICC050	06/17/2025	18:32	PP073012.D	8.80	3.79
AR1262ICC500	AR1262ICC500	06/17/2025	18:48	PP073013.D	8.80	3.79
AR1268ICC1000	AR1268ICC1000	06/17/2025	19:04	PP073014.D	8.80	3.79
AR1268ICC750	AR1268ICC750	06/17/2025	19:21	PP073015.D	8.80	3.79
AR1268ICC500	AR1268ICC500	06/17/2025	19:37	PP073016.D	8.80	3.79
AR1268ICC250	AR1268ICC250	06/17/2025	19:53	PP073017.D	8.80	3.79
AR1268ICC050	AR1268ICC050	06/17/2025	20:10	PP073018.D	8.80	3.79
AR1660CCC500	AR1660CCC500	06/25/2025	09:47	PP073230.D	8.79	3.79
I.BLK	I.BLK	06/25/2025	10:52	PP073234.D	8.79	3.79
PB168607BL	PB168607BL	06/25/2025	12:59	PP073236.D	8.79	3.79
PB168607BS	PB168607BS	06/25/2025	13:15	PP073237.D	8.79	3.78
S-1MS	Q2392-01MS	06/25/2025	13:47	PP073239.D	8.79	3.78
S-1MSD	Q2392-01MSD	06/25/2025	14:04	PP073240.D	8.79	3.78
PARK AVE -1	Q2393-01	06/25/2025	14:20	PP073241.D	8.79	3.79
PARK AVE -2	Q2393-03	06/25/2025	14:37	PP073242.D	8.79	3.79
PARK AVE -3	Q2393-05	06/25/2025	14:53	PP073243.D	8.79	3.79
PARK AVE -4	Q2393-07	06/25/2025	15:09	PP073244.D	8.79	3.79
AR1660CCC500	AR1660CCC500	06/25/2025	15:59	PP073245.D	8.79	3.79
I.BLK	I.BLK	06/25/2025	17:04	PP073249.D	8.79	3.79
PARK AVE -5	Q2393-09	06/25/2025	17:21	PP073250.D	8.79	3.79

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Analytical Sequence

PARK AVE -6	Q2393-11	06/25/2025	17:37	PP073251.D	8.79	3.79
AR1660CCC500	AR1660CCC500	06/25/2025	20:54	PP073260.D	8.79	3.79
I.BLK	I.BLK	06/25/2025	22:17	PP073264.D	8.79	3.79

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Fax : 908 789 8922

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.: PB168607BS

Lab Name: Alliance | Contract: UNIO02
Lab Code: ACE | SDG NO.: Q2393
Lab Sample ID: PB168607BS | Date(s) Analyzed: 06/25/2025 06/25/2025
Instrument ID (1): ECD_P | Instrument ID (2): ECD_P
GC Column: (1): ZB-MR1 ID: 0.32 (mm) | GC Column:(2): ZB-MR2 ID: 0.32 (mm)
Data file: PP073237.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1016	1	5.642	5.592	5.692	157		
	2	5.663	5.613	5.713	167		
	3	5.725	5.675	5.775	166		
COLUMN 1	4	5.823	5.773	5.873	176		
	5	6.115	6.065	6.165	159	165	
	1	4.863	4.813	4.913	152		
	2	4.881	4.831	4.931	158		
	3	5.058	5.008	5.108	156		
	4	5.099	5.049	5.149	154		
COLUMN 2	5	5.313	5.263	5.363	156	155	6.25
Aroclor-1260	1	7.232	7.182	7.282	181		
	2	7.486	7.436	7.536	179		
	3	7.844	7.794	7.894	151		
COLUMN 1	4	8.067	8.017	8.117	162		
	5	8.386	8.336	8.436	151	165	
	1	6.343	6.293	6.393	159		
	2	6.532	6.482	6.582	160		
	3	6.683	6.633	6.733	160		
	4	7.153	7.103	7.203	141		
COLUMN 2	5	7.396	7.346	7.446	141	152	8.2

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Fax : 908 789 8922

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.: S-1MS

Lab Name: Alliance
Contract: UNIO02
Lab Code: ACE
SDG NO.: Q2393
Lab Sample ID: Q2392-01MS
Date(s) Analyzed: 06/25/2025 06/25/2025
Instrument ID (1): ECD_P
Instrument ID (2): ECD_P
GC Column: (1): ZB-MR1 ID: 0.32 (mm)
GC Column:(2): ZB-MR2 ID: 0.32 (mm)
Data file: PP073239.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1016	1	5.639	5.589	5.689	157		
	2	5.66	5.61	5.71	170		
	3	5.723	5.673	5.773	165		
COLUMN 1	4	5.82	5.77	5.87	176		
	5	6.112	6.062	6.162	161	166	
	1	4.864	4.814	4.914	148		
	2	4.882	4.832	4.932	151		
	3	5.058	5.008	5.108	153		
	4	5.1	5.05	5.15	152		
COLUMN 2	5	5.314	5.264	5.364	153	152	8.81
Aroclor-1260	1	7.228	7.178	7.278	185		
	2	7.482	7.432	7.532	179		
	3	7.84	7.79	7.89	148		
COLUMN 1	4	8.063	8.013	8.113	160		
	5	8.382	8.332	8.432	146	164	
	1	6.344	6.294	6.394	165		
	2	6.533	6.483	6.583	162		
	3	6.685	6.635	6.735	163		
	4	7.154	7.104	7.204	143		
COLUMN 2	5	7.396	7.346	7.446	140	155	5.64

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IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

S-1MSD

Lab Name: Alliance Contract: UNIO02

Lab Code: ACE SDG NO.: Q2393

Lab Sample ID: Q2392-01MSD Date(s) Analyzed: 06/25/2025 06/25/2025

Instrument ID (1): ECD_P Instrument ID (2): ECD_P

GC Column: (1): ZB-MR1 ID: 0.32 (mm) GC Column:(2): ZB-MR2 ID: 0.32 (mm)

Data file PP073240.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1016	1	5.642	5.592	5.692	157		
	2	5.663	5.613	5.713	168		
	3	5.725	5.675	5.775	163		
COLUMN 1	4	5.822	5.772	5.872	174		
	5	6.115	6.065	6.165	161	165	
	1	4.864	4.814	4.914	146		
	2	4.881	4.831	4.931	148		
	3	5.058	5.008	5.108	152		
	4	5.1	5.05	5.15	151		
COLUMN 2	5	5.313	5.263	5.363	151	150	9.52
Aroclor-1260	1	7.232	7.182	7.282	184		
	2	7.484	7.434	7.534	178		
	3	7.843	7.793	7.893	147		
COLUMN 1	4	8.066	8.016	8.116	162		
	5	8.384	8.334	8.434	147	164	
	1	6.344	6.294	6.394	159		
	2	6.533	6.483	6.583	155		
	3	6.684	6.634	6.734	159		
	4	7.154	7.104	7.204	141		
COLUMN 2	5	7.396	7.346	7.446	135	150	8.92

SAMPLE RAW DATA

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP062525\
Data File : PP073241.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Jun 2025 14:20
Operator : YP\AJ
Sample : Q2393-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
PARK AVE -1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 25 14:53:14 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP061725.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jun 18 08:17:15 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.492	3.786	42444186	35830686	20.108	19.886
2)	SA Decachlor...	10.181	8.791	33324226	27043472	19.500	20.262
	Target Compounds						

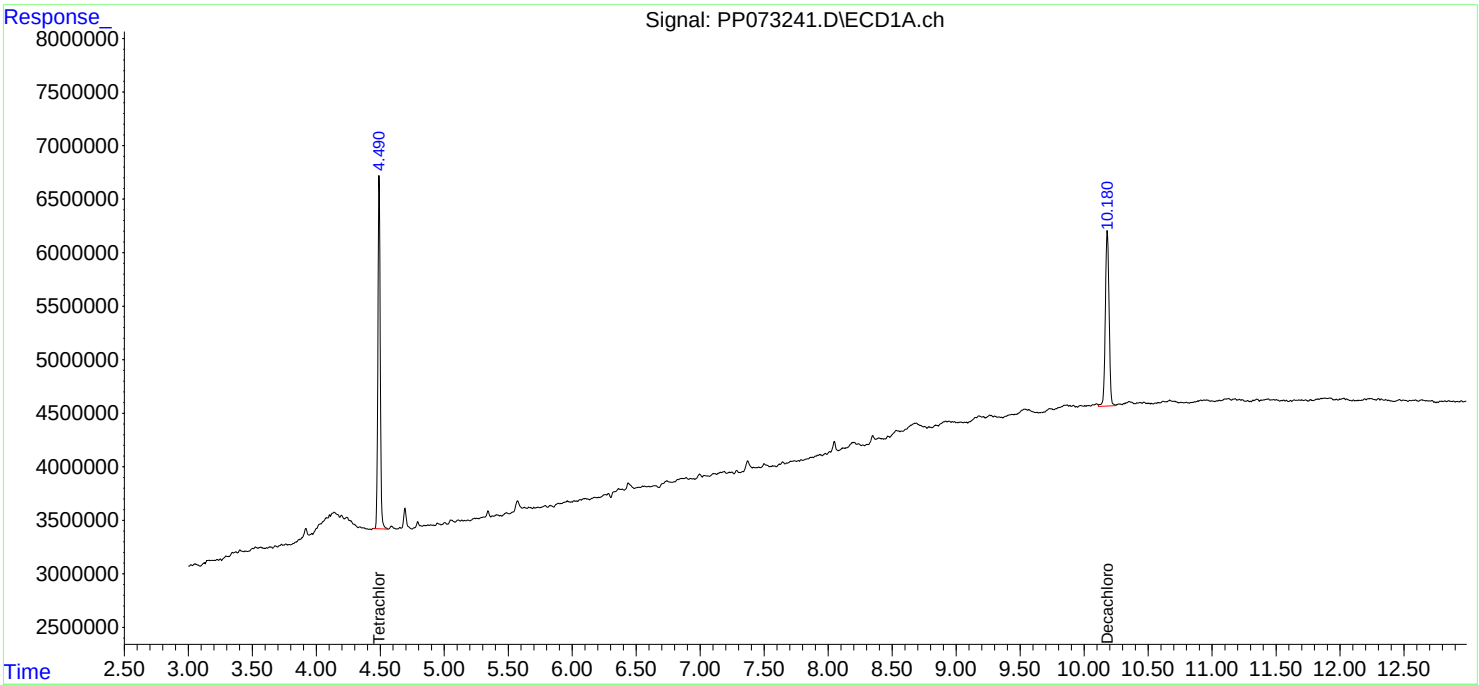
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

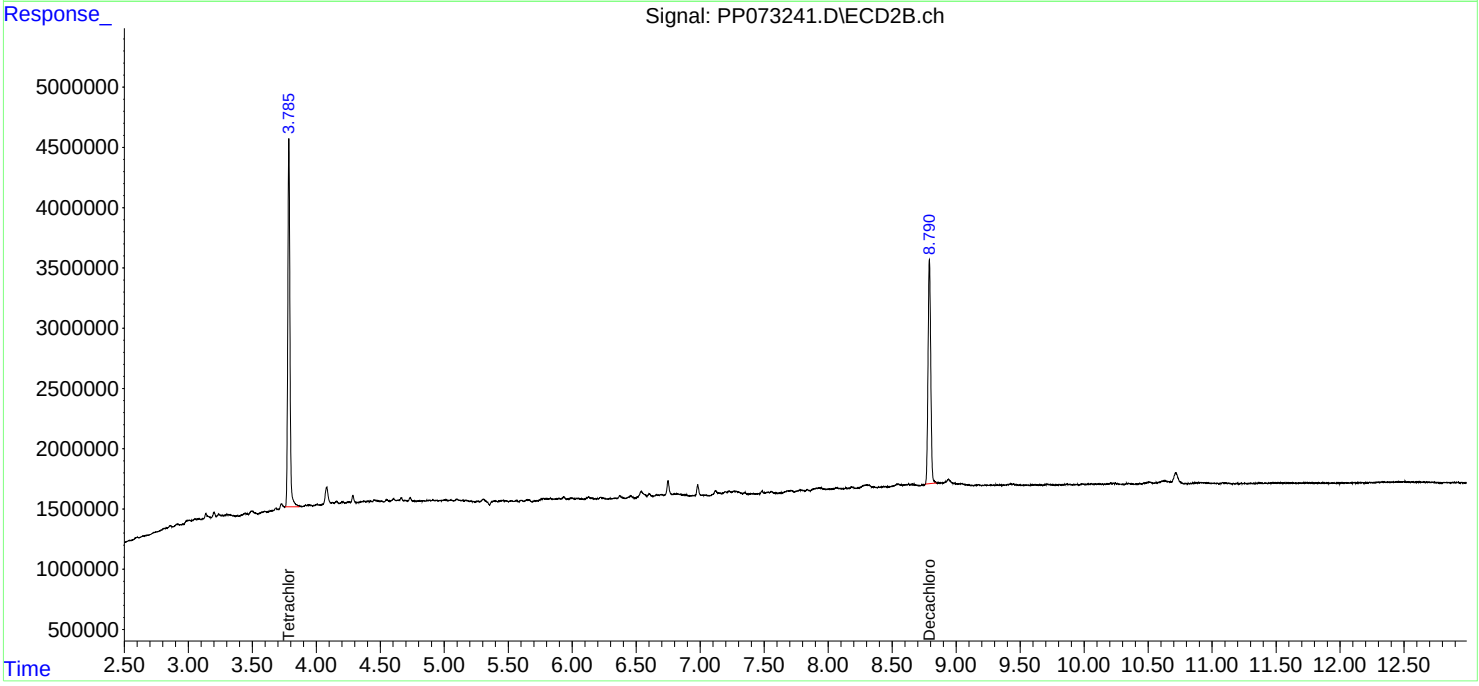
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP062525\
Data File : PP073241.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Jun 2025 14:20
Operator : YP\AJ
Sample : Q2393-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

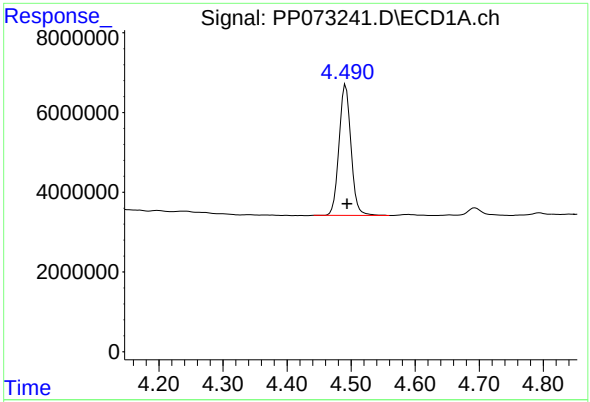
Instrument :
ECD_P
ClientSampleId :
PARK AVE -1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 25 14:53:14 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP061725.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jun 18 08:17:15 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



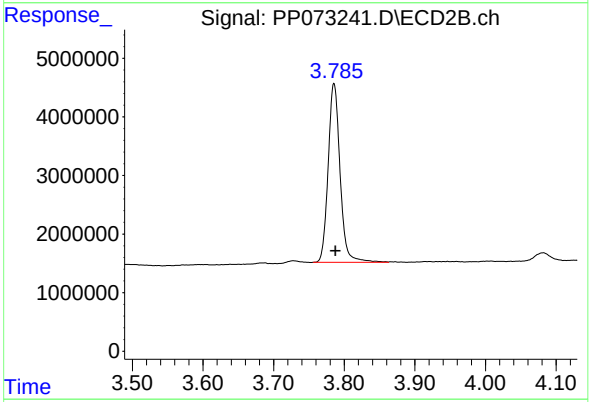




#1 Tetrachloro-m-xylene

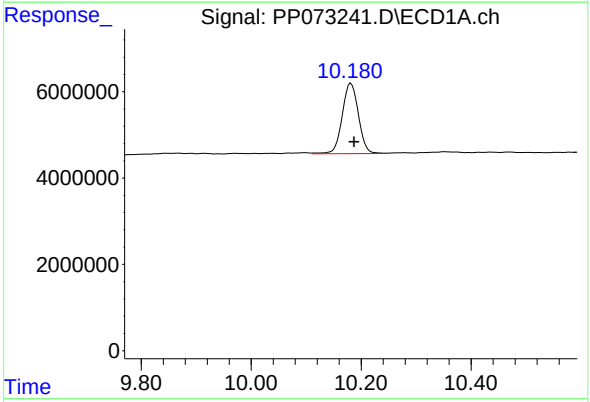
R.T.: 4.492 min
Delta R.T.: -0.002 min
Response: 42444186
Conc: 20.11 ng/ml

Instrument :
ECD_P
ClientSampleId :
PARK AVE -1



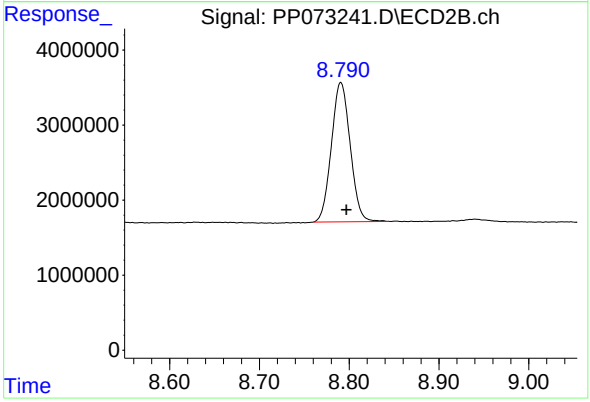
#1 Tetrachloro-m-xylene

R.T.: 3.786 min
Delta R.T.: -0.002 min
Response: 35830686
Conc: 19.89 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.181 min
Delta R.T.: -0.006 min
Response: 33324226
Conc: 19.50 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.791 min
Delta R.T.: -0.006 min
Response: 27043472
Conc: 20.26 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP062525\
Data File : PP073242.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Jun 2025 14:37
Operator : YP\AJ
Sample : Q2393-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
PARK AVE -2

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 25 15:47:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP061725.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jun 18 08:17:15 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.493	3.785	39749099	34316265	18.831	19.046
2)	SA Decachlor...	10.184	8.792	30884671	23977209	18.073	17.964
	Target Compounds						

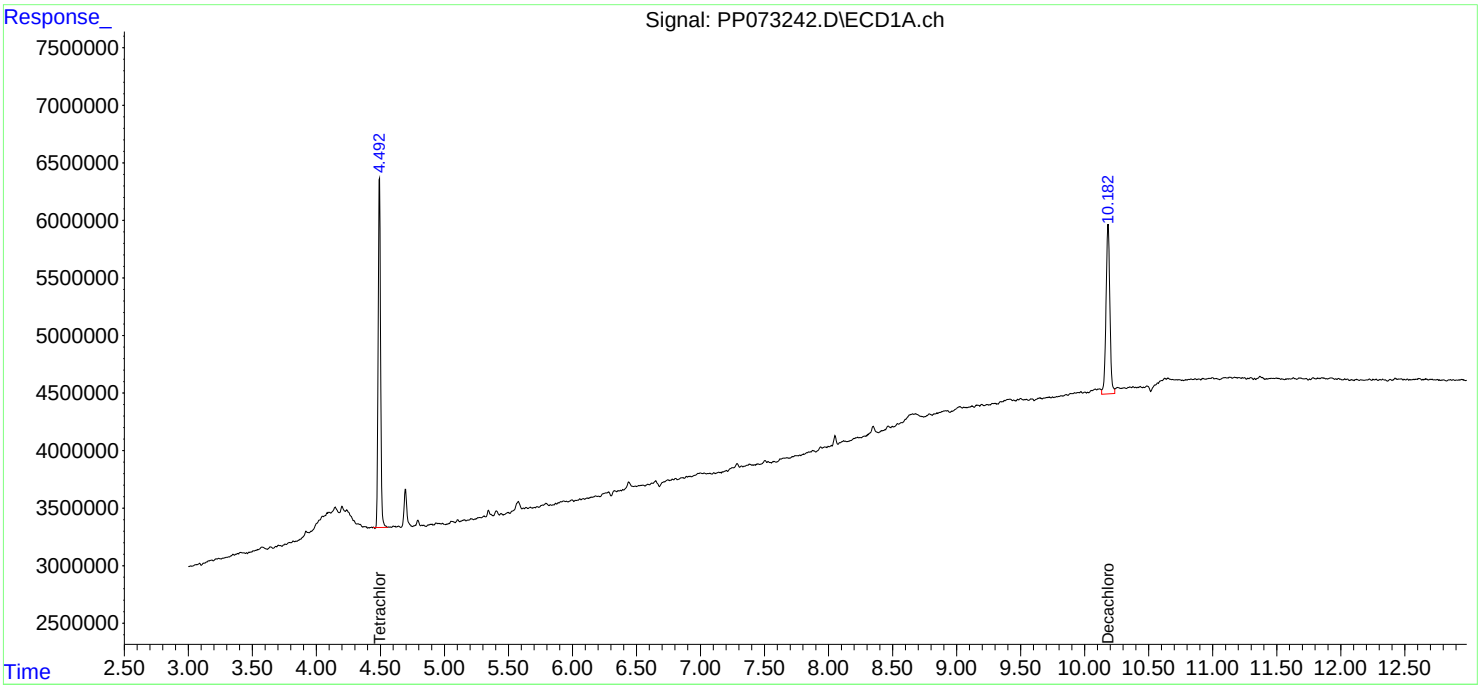
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

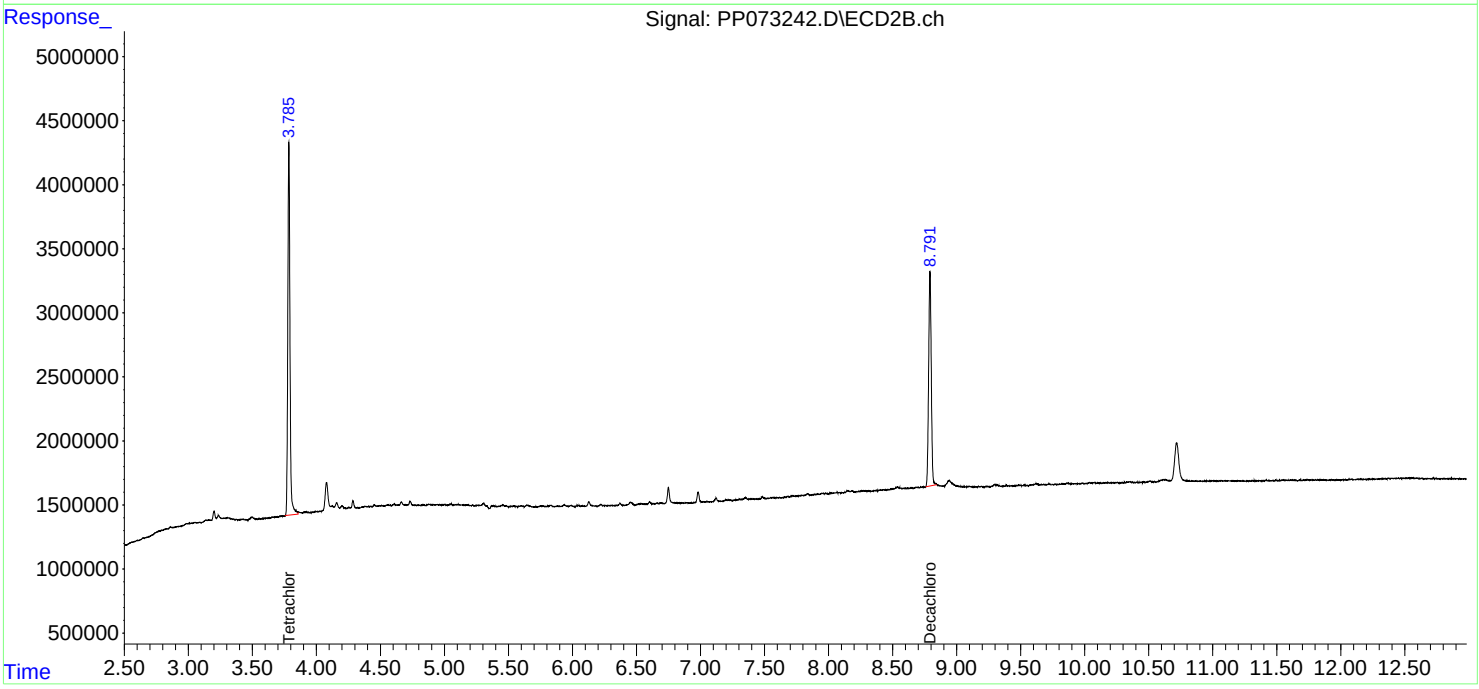
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP062525\
Data File : PP073242.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Jun 2025 14:37
Operator : YP\AJ
Sample : Q2393-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

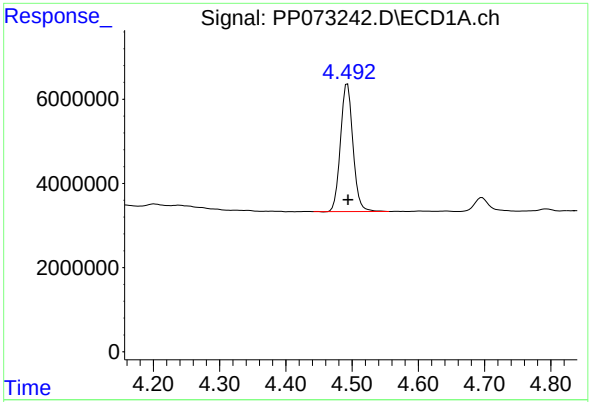
Instrument :
ECD_P
ClientSampleId :
PARK AVE -2

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 25 15:47:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP061725.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jun 18 08:17:15 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



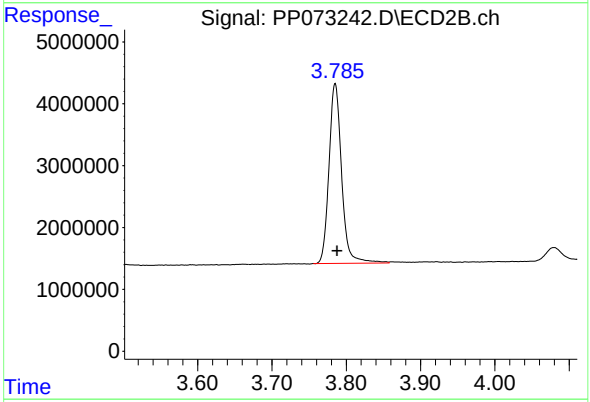




#1 Tetrachloro-m-xylene

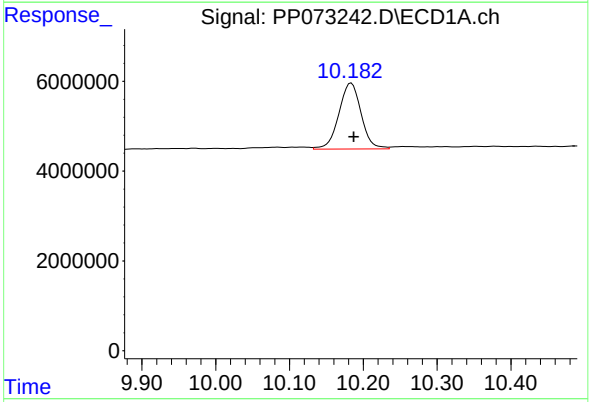
R.T.: 4.493 min
Delta R.T.: -0.001 min
Response: 39749099
Conc: 18.83 ng/ml

Instrument :
ECD_P
ClientSampleId :
PARK AVE -2



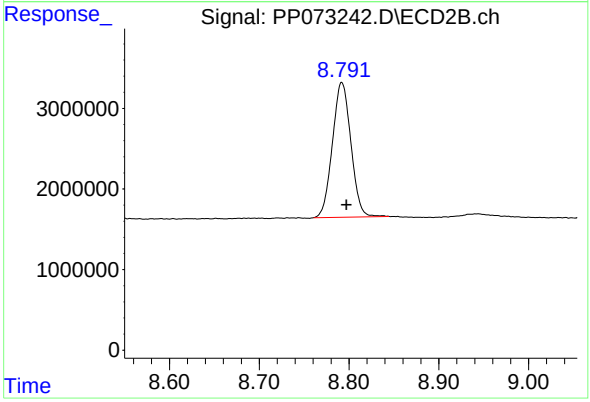
#1 Tetrachloro-m-xylene

R.T.: 3.785 min
Delta R.T.: -0.002 min
Response: 34316265
Conc: 19.05 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.184 min
Delta R.T.: -0.003 min
Response: 30884671
Conc: 18.07 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.792 min
Delta R.T.: -0.005 min
Response: 23977209
Conc: 17.96 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP062525\
Data File : PP073243.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Jun 2025 14:53
Operator : YP\AJ
Sample : Q2393-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
PARK AVE -3

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 25 15:48:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP061725.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jun 18 08:17:15 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.491	3.786	35923787	31603142	17.019	17.540
2)	SA Decachlor...	10.182	8.792	26986535	23209348	15.792	17.389
	Target Compounds						

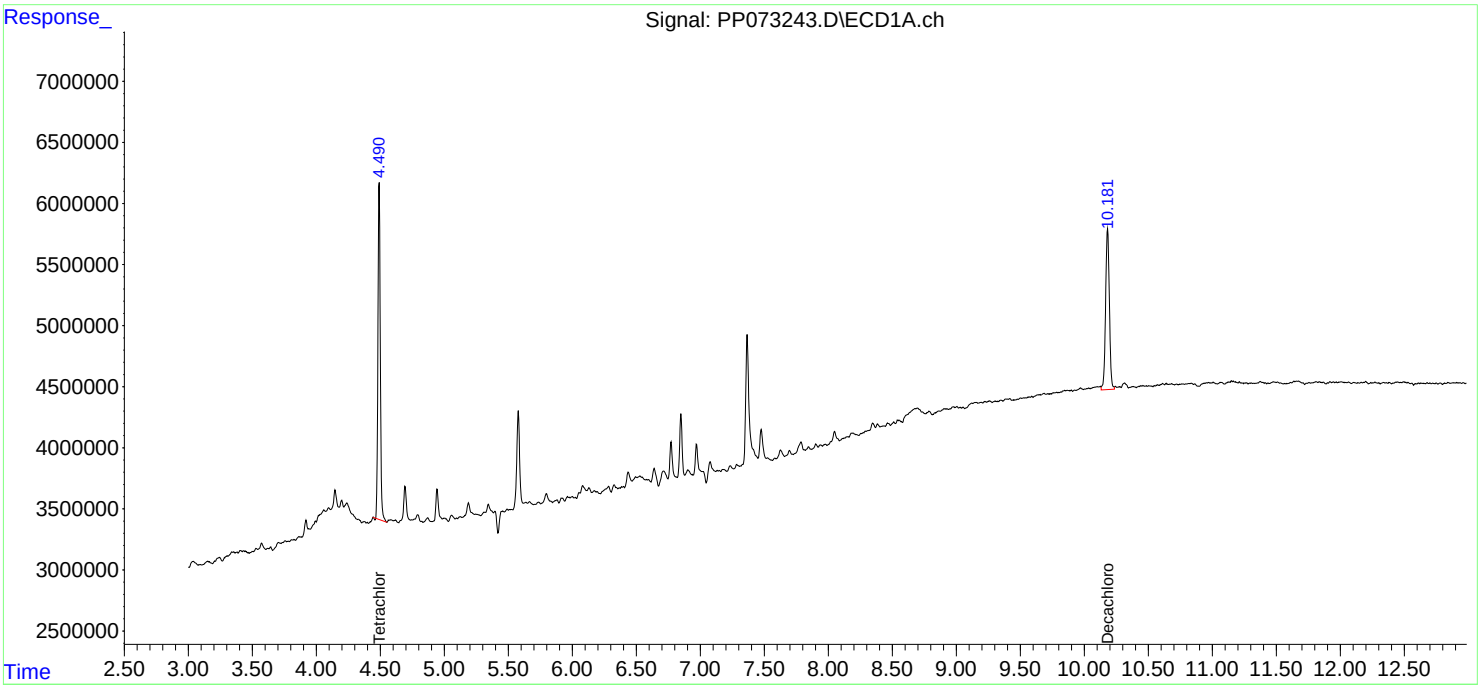
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

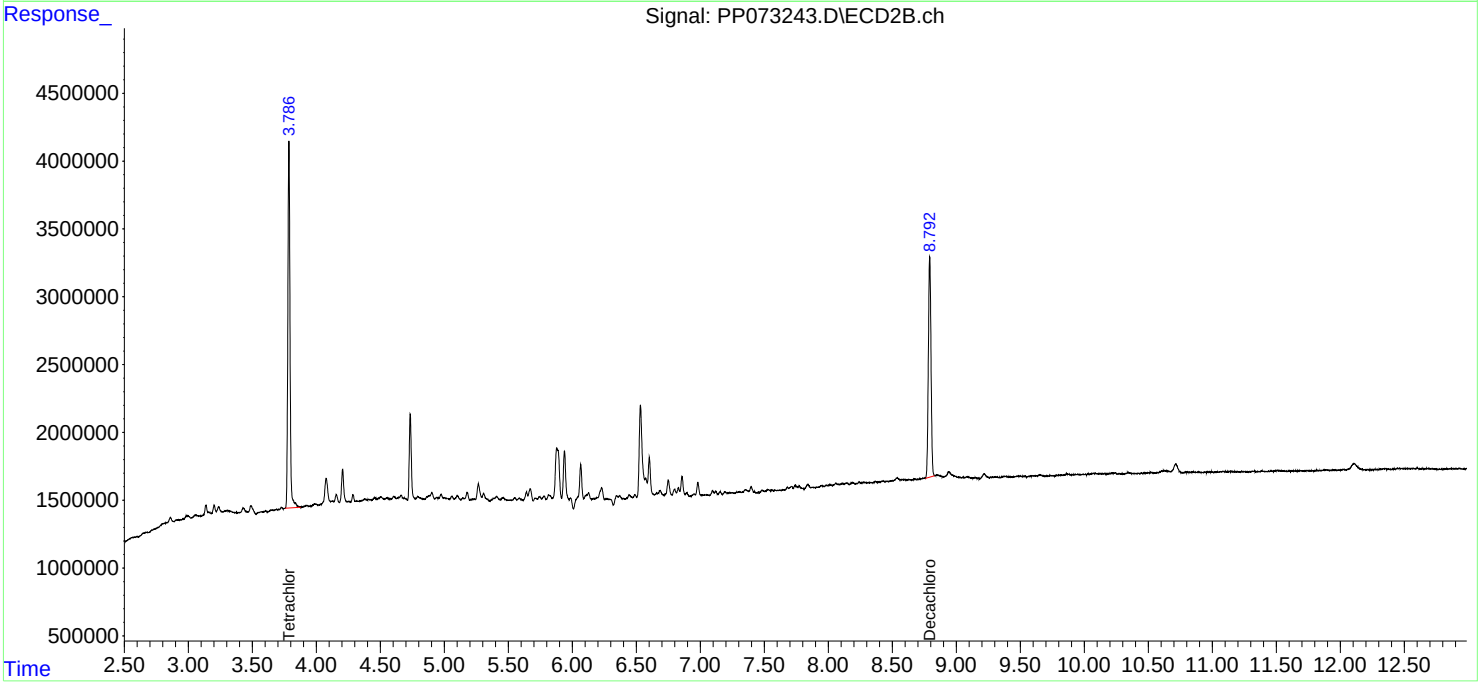
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP062525\
Data File : PP073243.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Jun 2025 14:53
Operator : YP\AJ
Sample : Q2393-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

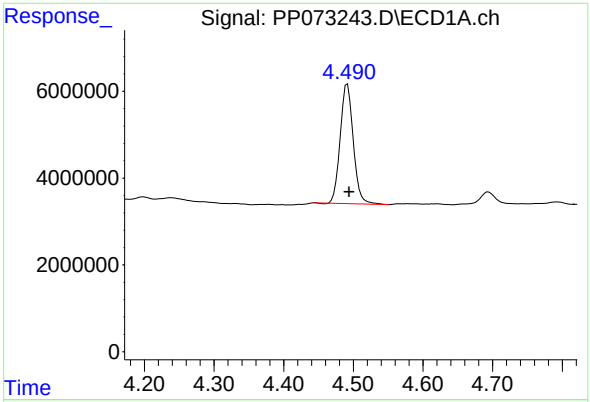
Instrument :
ECD_P
ClientSampleId :
PARK AVE -3

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 25 15:48:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP061725.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jun 18 08:17:15 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



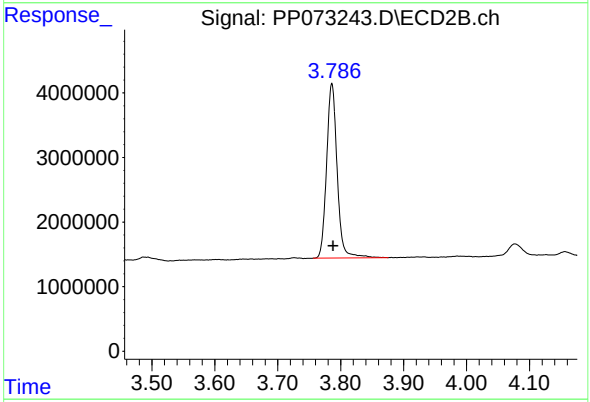




#1 Tetrachloro-m-xylene

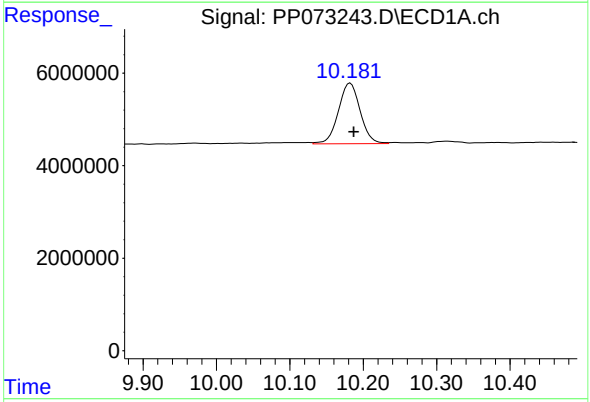
R.T.: 4.491 min
Delta R.T.: -0.003 min
Response: 35923787
Conc: 17.02 ng/ml

Instrument :
ECD_P
ClientSampleId :
PARK AVE -3



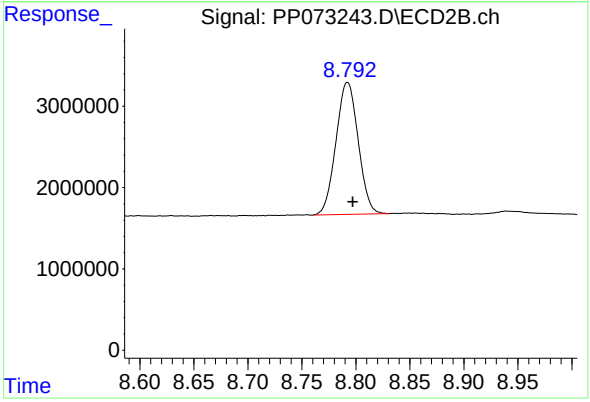
#1 Tetrachloro-m-xylene

R.T.: 3.786 min
Delta R.T.: -0.002 min
Response: 31603142
Conc: 17.54 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.182 min
Delta R.T.: -0.005 min
Response: 26986535
Conc: 15.79 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.792 min
Delta R.T.: -0.005 min
Response: 23209348
Conc: 17.39 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP062525\
Data File : PP073244.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Jun 2025 15:09
Operator : YP\AJ
Sample : Q2393-07
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
PARK AVE -4

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 25 15:49:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP061725.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jun 18 08:17:15 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.489	3.785	38817977	31580368	18.390	17.527
2)	SA Decachlor...	10.180	8.792	27396163	22672599	16.032	16.987
	Target Compounds						

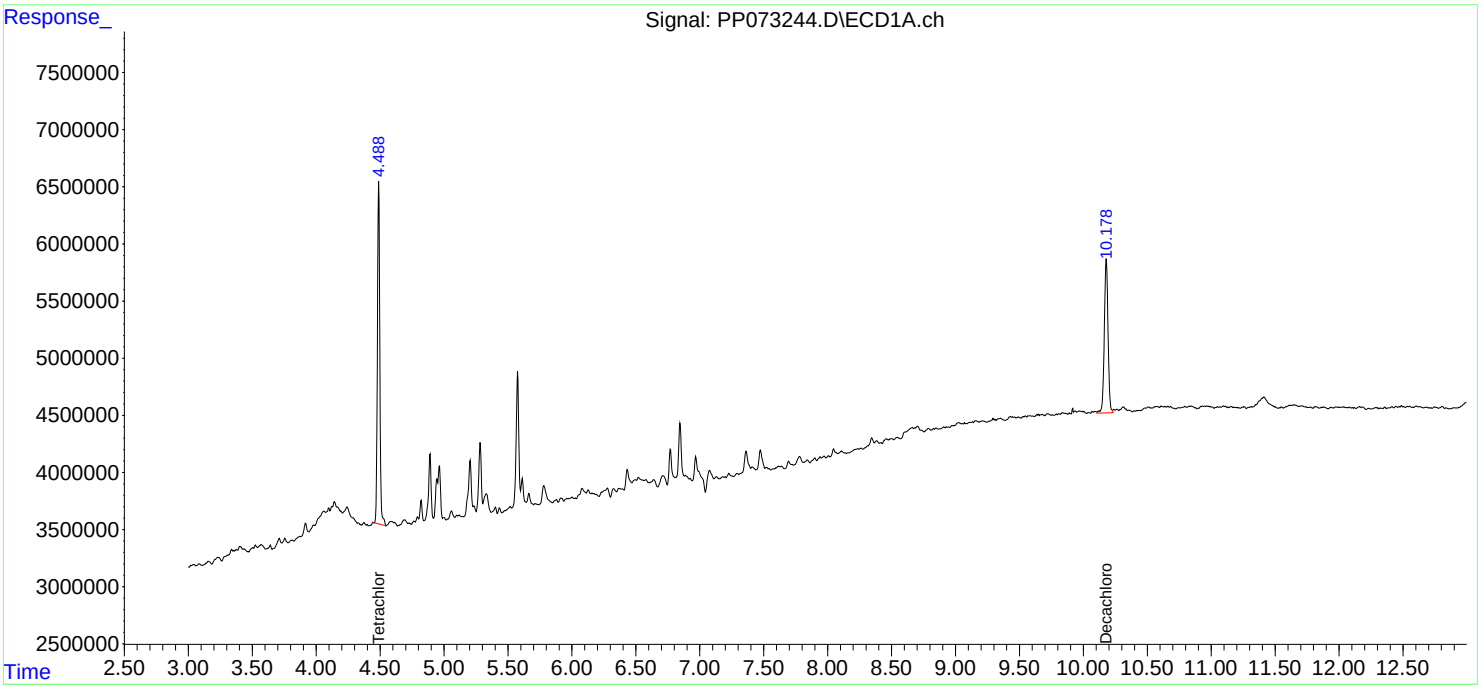
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

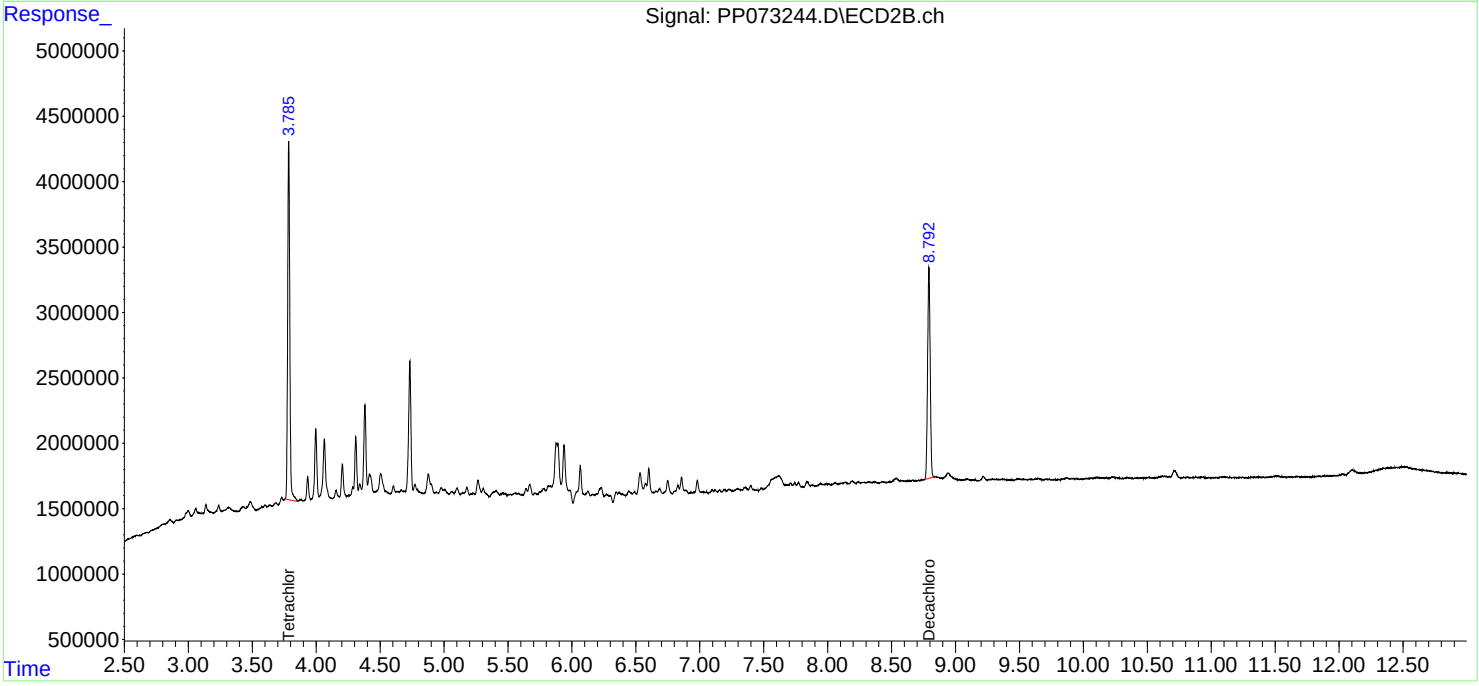
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP062525\
Data File : PP073244.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Jun 2025 15:09
Operator : YP\AJ
Sample : Q2393-07
Misc :
ALS Vial : 16 Sample Multiplier: 1

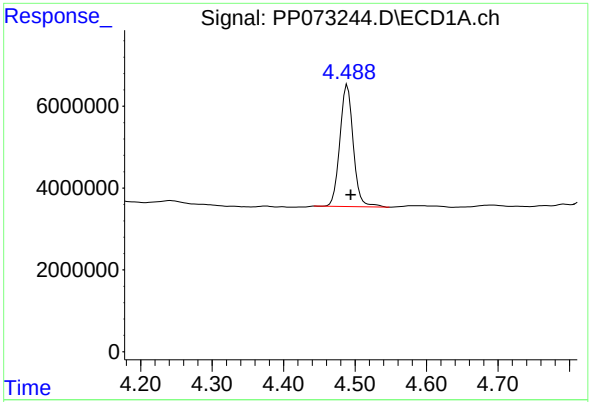
Instrument :
ECD_P
ClientSampleId :
PARK AVE -4

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 25 15:49:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP061725.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jun 18 08:17:15 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



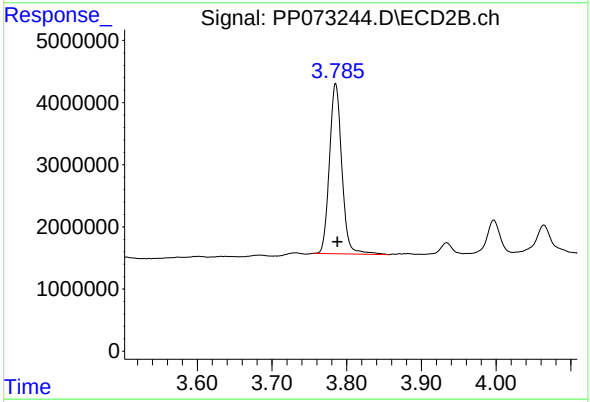




#1 Tetrachloro-m-xylene

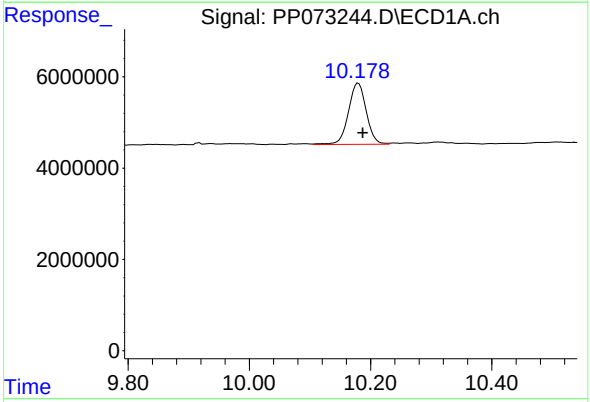
R.T.: 4.489 min
Delta R.T.: -0.005 min
Response: 38817977
Conc: 18.39 ng/ml

Instrument :
ECD_P
ClientSampleId :
PARK AVE -4



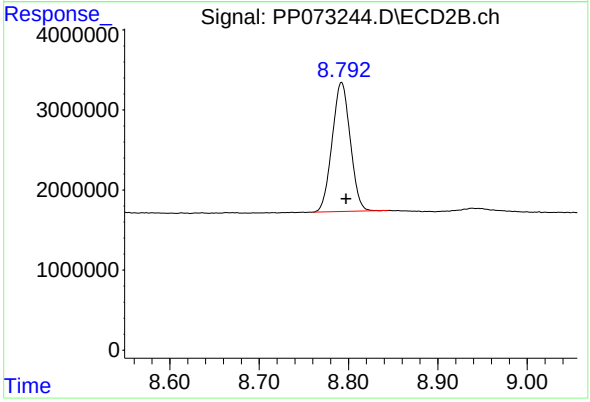
#1 Tetrachloro-m-xylene

R.T.: 3.785 min
Delta R.T.: -0.002 min
Response: 31580368
Conc: 17.53 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.180 min
Delta R.T.: -0.007 min
Response: 27396163
Conc: 16.03 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.792 min
Delta R.T.: -0.005 min
Response: 22672599
Conc: 16.99 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP062525\
Data File : PP073250.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Jun 2025 17:21
Operator : YP\AJ
Sample : Q2393-09
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
PARK AVE -5

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 26 01:50:11 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP061725.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jun 18 08:17:15 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.492	3.786	36554946	31061981	17.318	17.239
2)	SA Decachlor...	10.184	8.793	24621086	20607700	14.408	15.440
	Target Compounds						

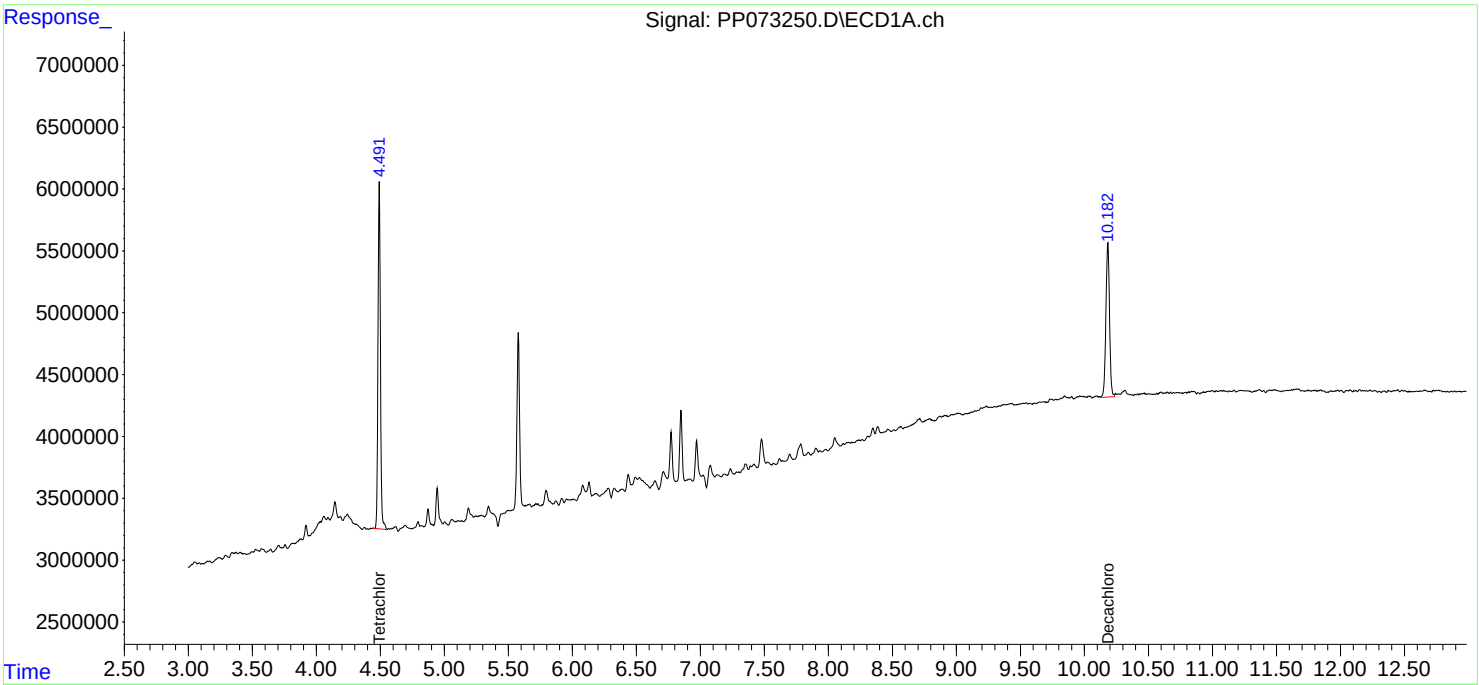
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

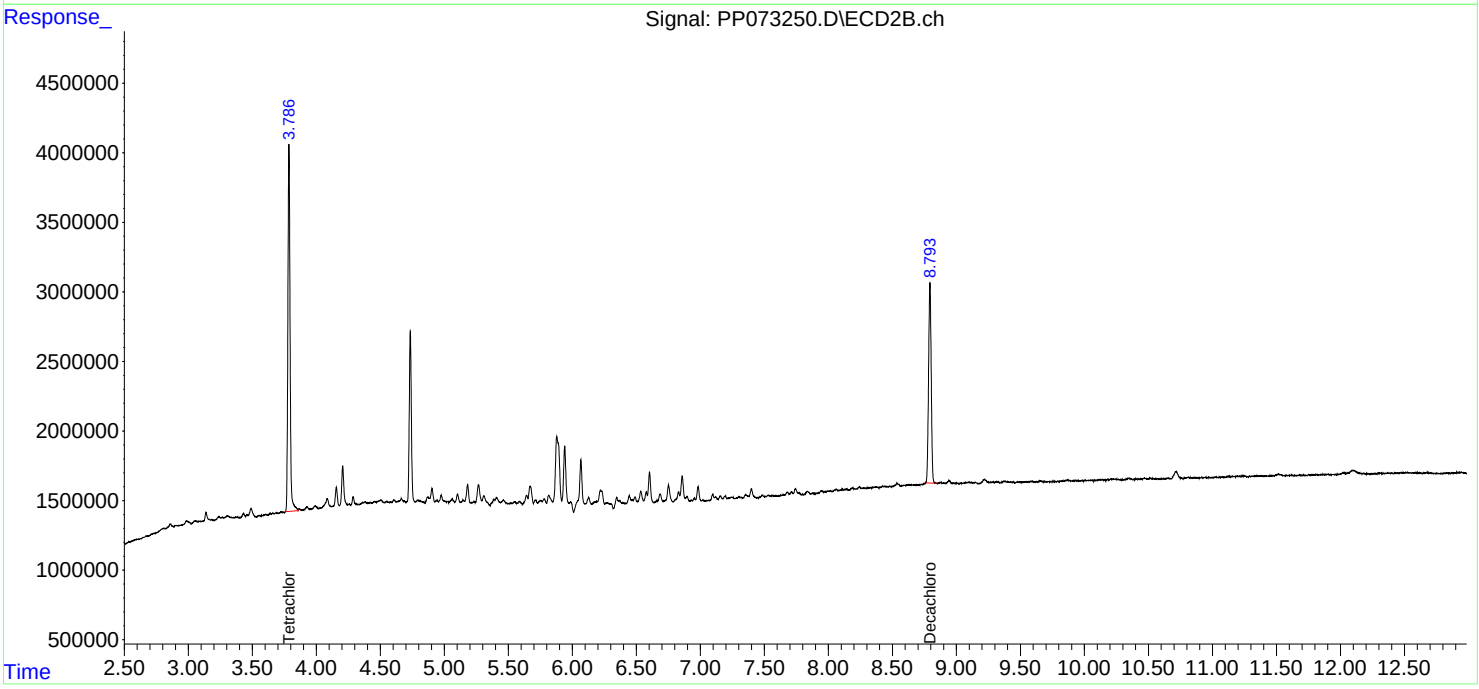
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP062525\
Data File : PP073250.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Jun 2025 17:21
Operator : YP\AJ
Sample : Q2393-09
Misc :
ALS Vial : 17 Sample Multiplier: 1

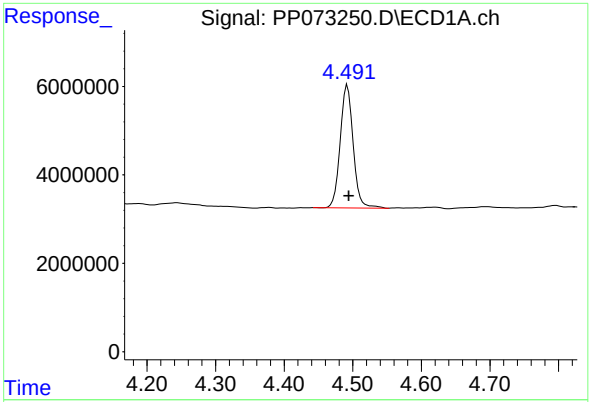
Instrument :
ECD_P
ClientSampleId :
PARK AVE -5

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 26 01:50:11 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP061725.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jun 18 08:17:15 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



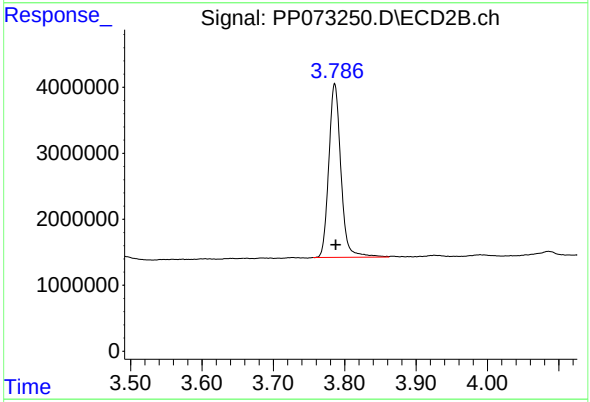




#1 Tetrachloro-m-xylene

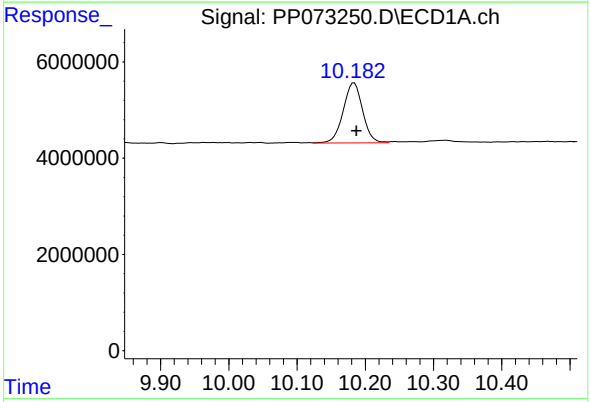
R.T.: 4.492 min
Delta R.T.: -0.002 min
Response: 36554946
Conc: 17.32 ng/ml

Instrument :
ECD_P
ClientSampleId :
PARK AVE -5



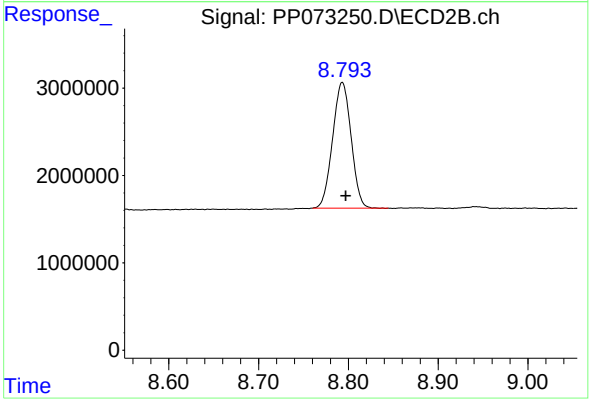
#1 Tetrachloro-m-xylene

R.T.: 3.786 min
Delta R.T.: -0.002 min
Response: 31061981
Conc: 17.24 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.184 min
Delta R.T.: -0.003 min
Response: 24621086
Conc: 14.41 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.793 min
Delta R.T.: -0.004 min
Response: 20607700
Conc: 15.44 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP062525\
Data File : PP073251.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Jun 2025 17:37
Operator : YP\AJ
Sample : Q2393-11
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
PARK AVE -6

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 26 01:50:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP061725.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jun 18 08:17:15 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.492	3.787	35474635	29972376	16.806	16.635
2)	SA Decachlor...	10.183	8.793	24750916	20320024	14.484	15.224
	Target Compounds						

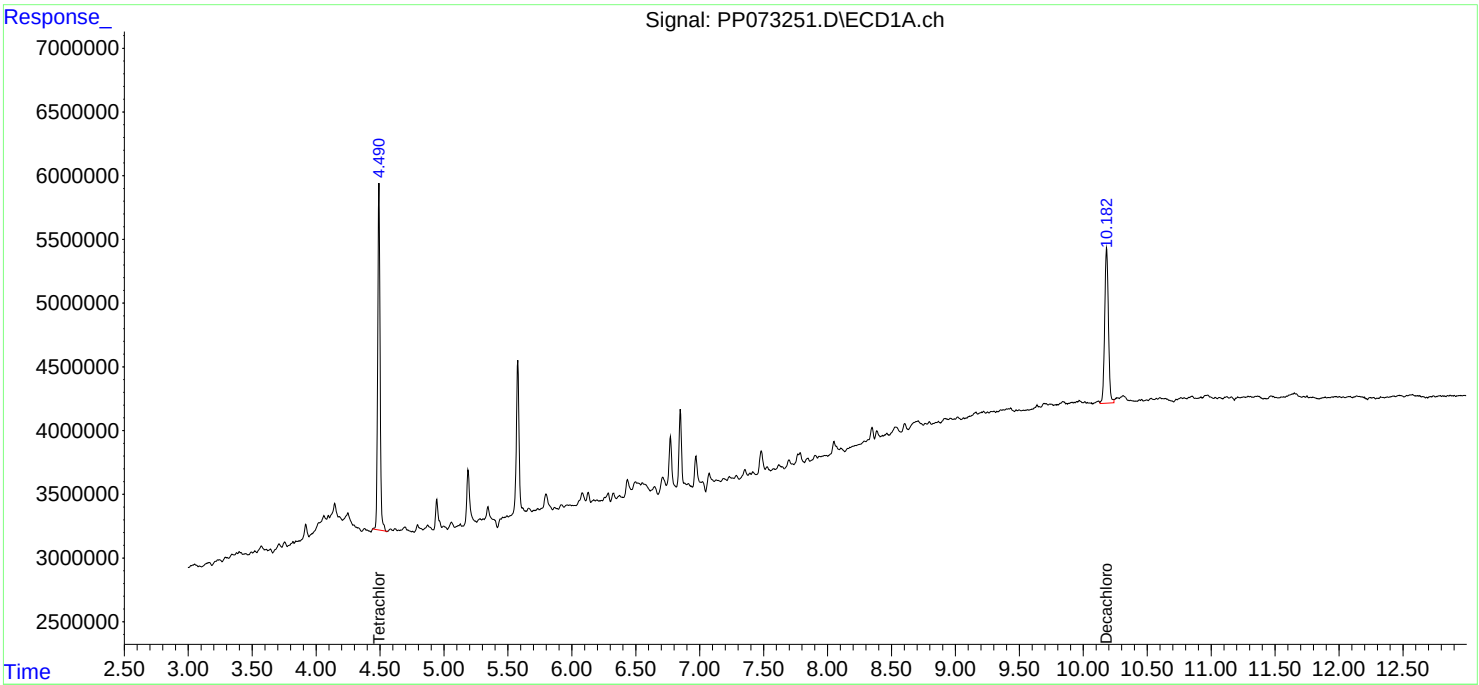
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

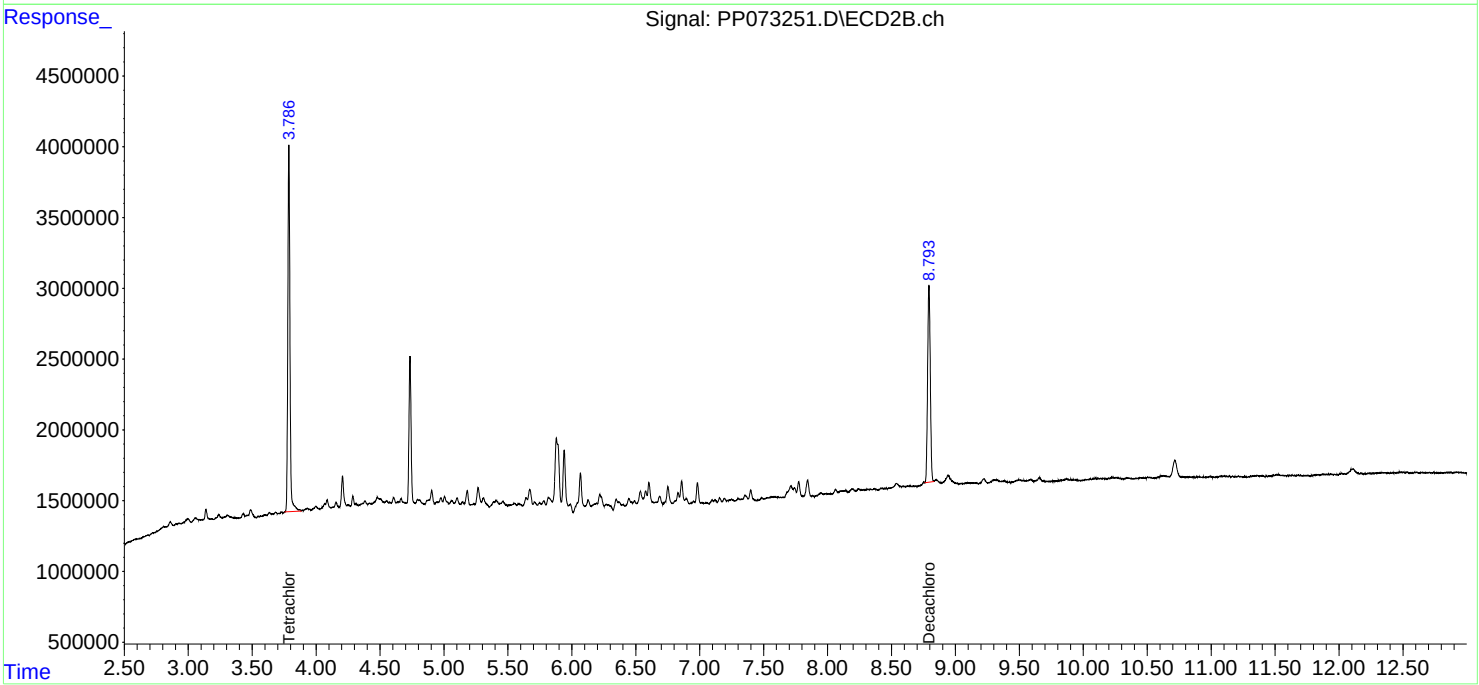
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP062525\
Data File : PP073251.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Jun 2025 17:37
Operator : YP\AJ
Sample : Q2393-11
Misc :
ALS Vial : 18 Sample Multiplier: 1

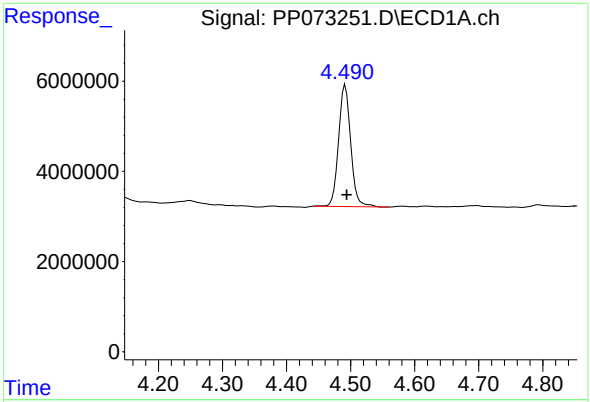
Instrument :
ECD_P
ClientSampleId :
PARK AVE -6

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 26 01:50:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP061725.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jun 18 08:17:15 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



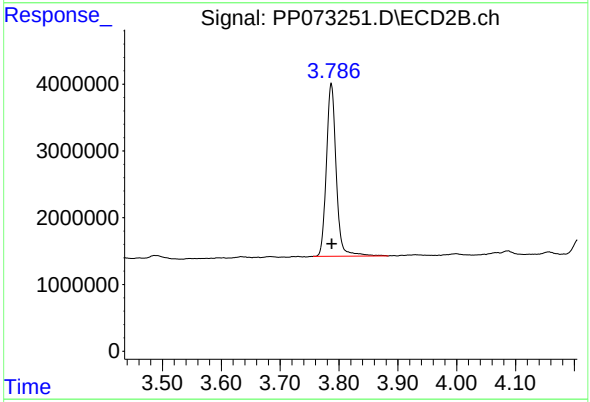




#1 Tetrachloro-m-xylene

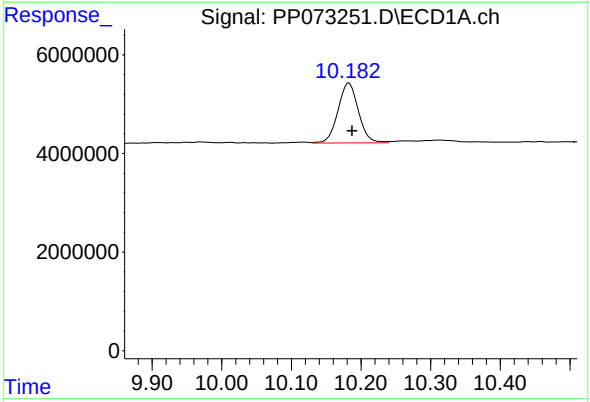
R.T.: 4.492 min
Delta R.T.: -0.002 min
Response: 35474635
Conc: 16.81 ng/ml

Instrument :
ECD_P
ClientSampleId :
PARK AVE -6



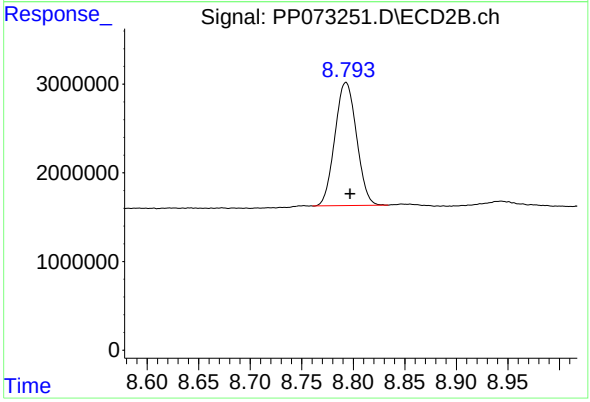
#1 Tetrachloro-m-xylene

R.T.: 3.787 min
Delta R.T.: 0.000 min
Response: 29972376
Conc: 16.63 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.183 min
Delta R.T.: -0.004 min
Response: 24750916
Conc: 14.48 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.793 min
Delta R.T.: -0.004 min
Response: 20320024
Conc: 15.22 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP062525\
Data File : PP073236.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Jun 2025 12:59
Operator : YP\AJ
Sample : PB168607BL
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
PB168607BL

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 06/26/2025
Supervised By :mohammad ahmed 06/27/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 25 14:14:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP061725.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jun 18 08:17:15 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.490	3.785	41696115	35293742	19.754	19.588
2)	SA Decachlor...	10.179	8.791	33415067	27393482	19.554m	20.524
	Target Compounds						

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

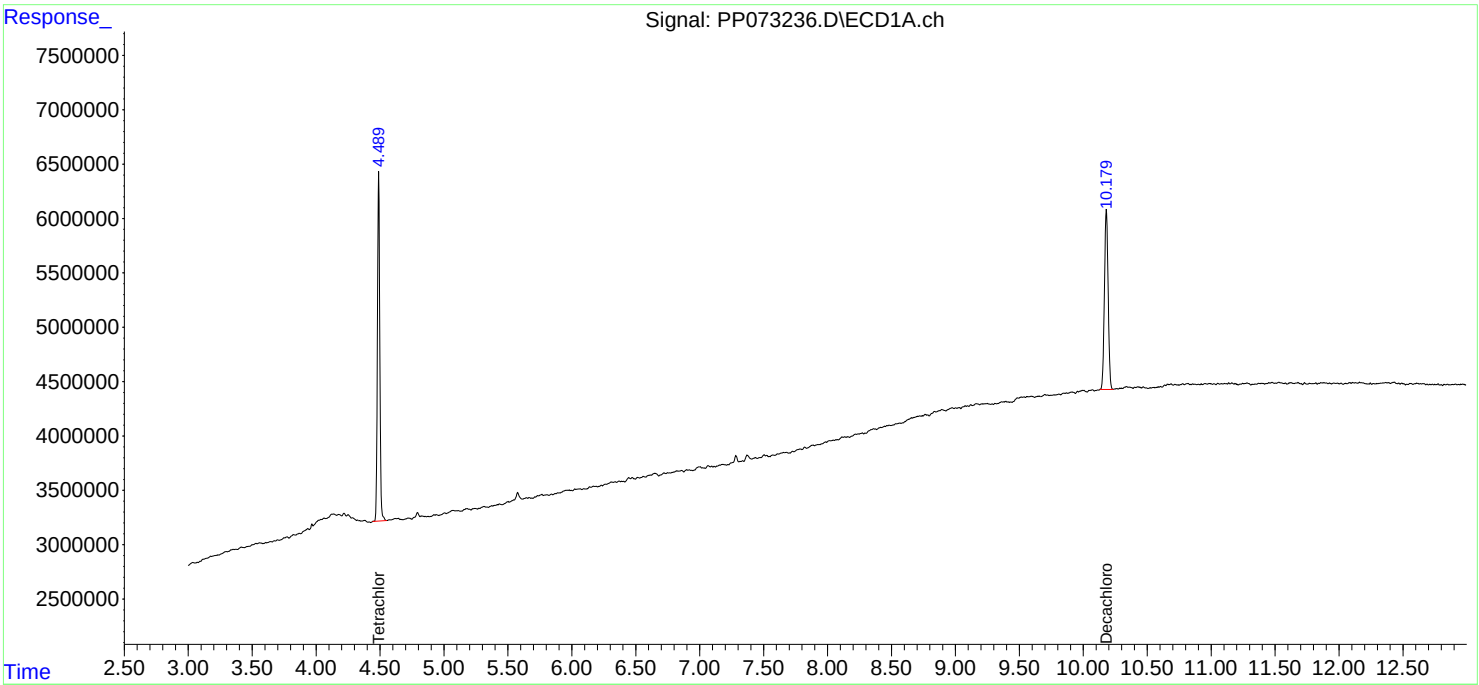
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP062525\
Data File : PP073236.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Jun 2025 12:59
Operator : YP\AJ
Sample : PB168607BL
Misc :
ALS Vial : 8 Sample Multiplier: 1

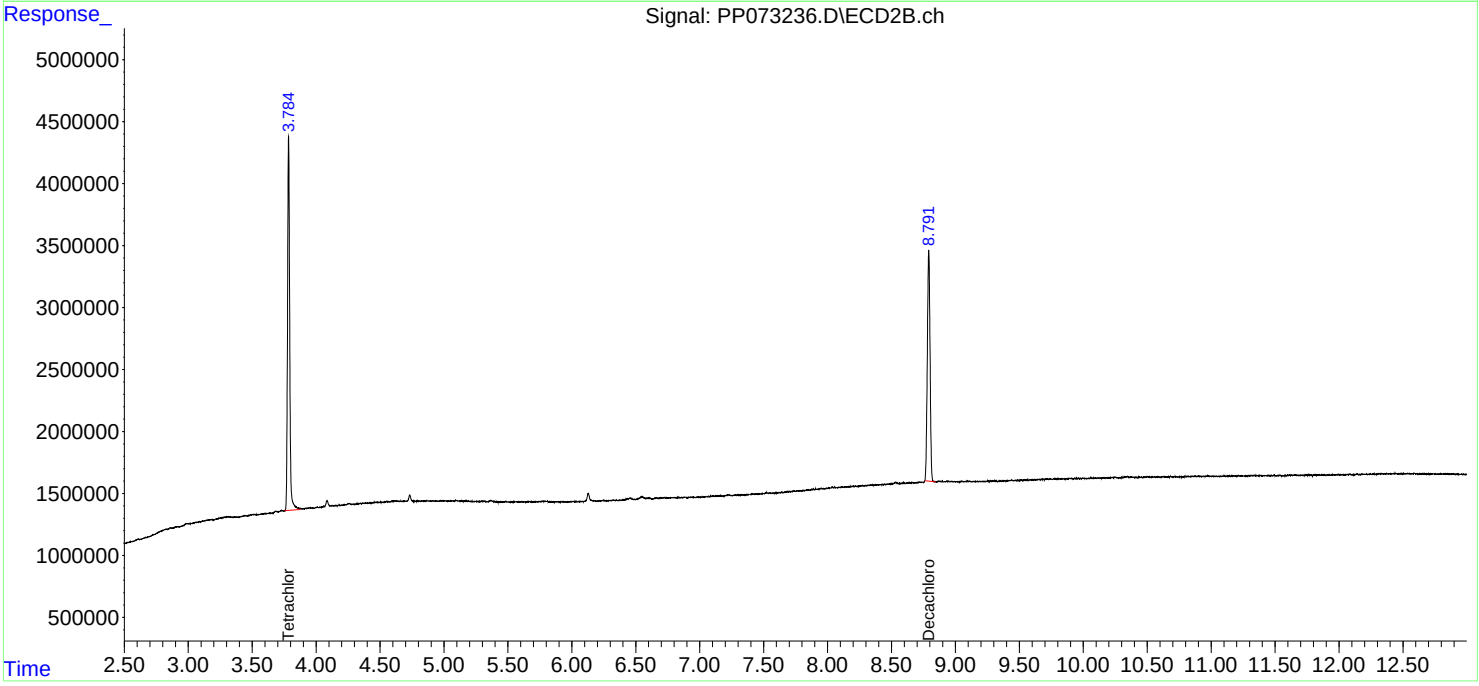
Instrument :
ECD_P
ClientSampleId :
PB168607BL

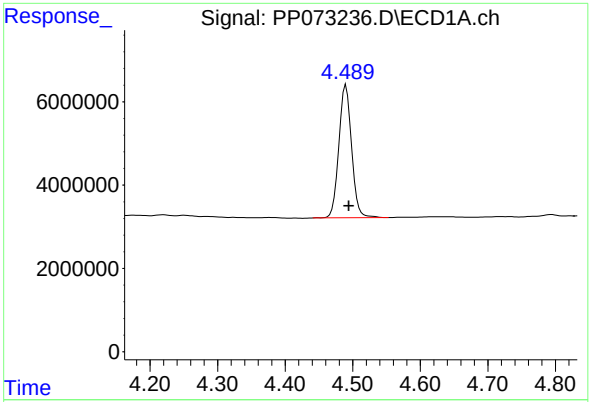
Manual Integrations APPROVED
Reviewed By :Yogesh Patel 06/26/2025
Supervised By :mohammad ahmed 06/27/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 25 14:14:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP061725.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jun 18 08:17:15 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm







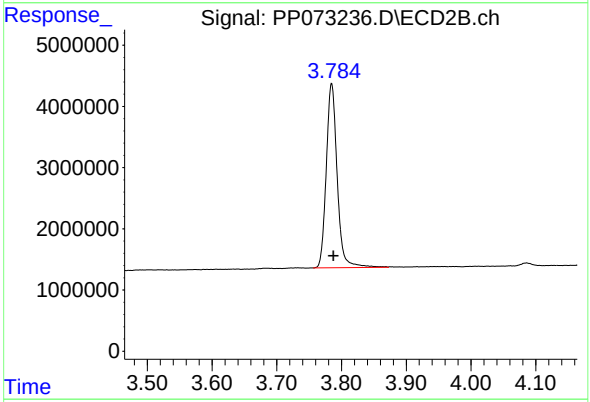
#1 Tetrachloro-m-xylene

R.T.: 4.490 min
Delta R.T.: -0.004 min
Response: 41696115
Conc: 19.75 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB168607BL

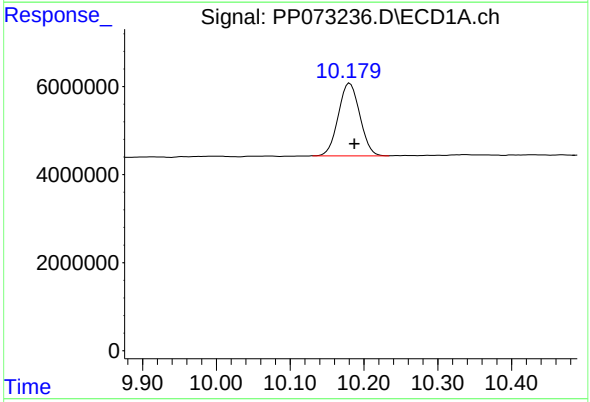
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 06/26/2025
Supervised By :mohammad ahmed 06/27/2025



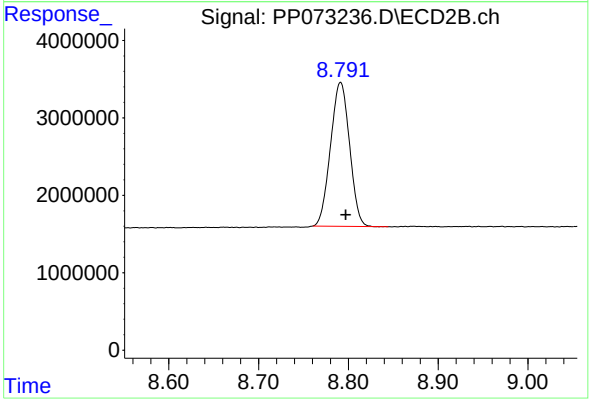
#1 Tetrachloro-m-xylene

R.T.: 3.785 min
Delta R.T.: -0.003 min
Response: 35293742
Conc: 19.59 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.179 min
Delta R.T.: -0.008 min
Response: 33415067
Conc: 19.55 ng/ml m



#2 Decachlorobiphenyl

R.T.: 8.791 min
Delta R.T.: -0.006 min
Response: 27393482
Conc: 20.52 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP062525\
Data File : PP073237.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Jun 2025 13:15
Operator : YP\AJ
Sample : PB168607BS
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
PB168607BS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 06/26/2025
Supervised By :mohammad ahmed 06/27/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 25 14:15:31 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP061725.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jun 18 08:17:15 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.491	3.783	42591028	34495442	20.178	19.145
2)	SA Decachlor...	10.182	8.790	34902616	28773664	20.424	21.558m
	Target Compounds						
3)	L1 AR-1016-1	5.642	4.863	34283674	31440257	471.762	457.528
4)	L1 AR-1016-2	5.663	4.881	52258682	47697086	502.387	473.945
5)	L1 AR-1016-3	5.725	5.058	32505721	25670274	497.422	469.153
6)	L1 AR-1016-4	5.823	5.099	27667527	20565137	529.210	461.623
7)	L1 AR-1016-5	6.115	5.313	23839219	25908894	476.736	468.665
31)	L7 AR-1260-1	7.232	6.343	47935261	45262172	543.401	477.799
32)	L7 AR-1260-2	7.486	6.532	72865209	55895129	536.232	480.049
33)	L7 AR-1260-3	7.844	6.683	51594177	50023078	451.977	480.247
34)	L7 AR-1260-4	8.067	7.153	50231625	37010739	487.470	421.830
35)	L7 AR-1260-5	8.386	7.396	108.9E6	90160509	452.734	422.495

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

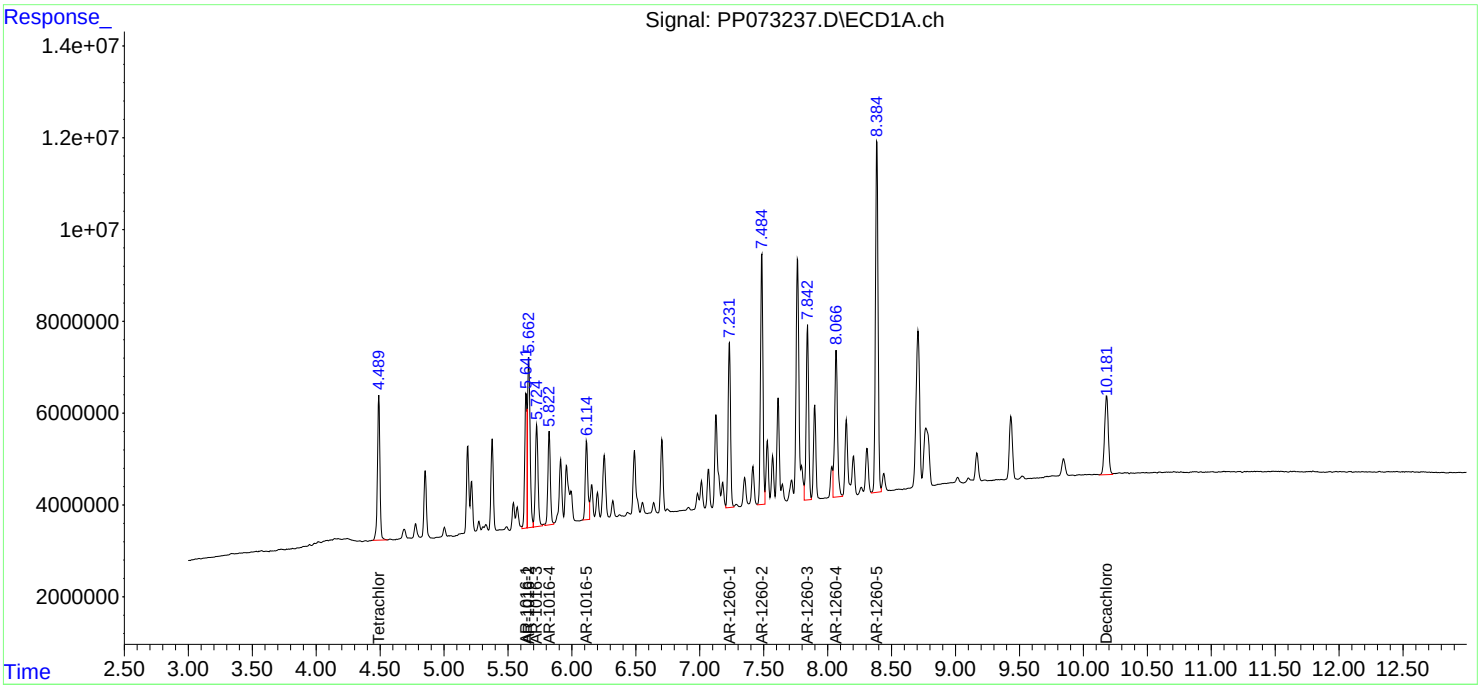
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP062525\
Data File : PP073237.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Jun 2025 13:15
Operator : YP\AJ
Sample : PB168607BS
Misc :
ALS Vial : 9 Sample Multiplier: 1

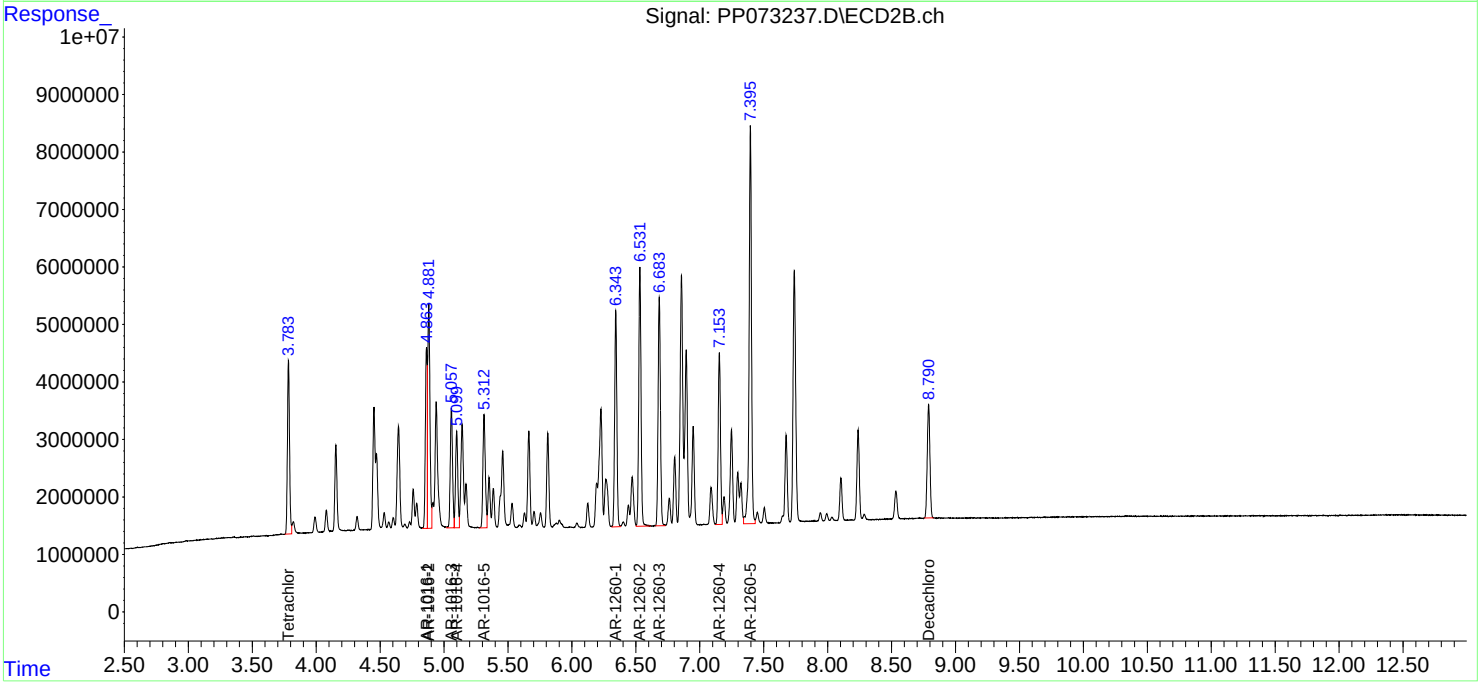
Instrument :
ECD_P
ClientSampleId :
PB168607BS

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 06/26/2025
Supervised By :mohammad ahmed 06/27/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 25 14:15:31 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP061725.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jun 18 08:17:15 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm





Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP062525\
Data File : PP073239.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Jun 2025 13:47
Operator : YP\AJ
Sample : Q2392-01MS
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
S-1MS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 25 14:16:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP061725.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jun 18 08:17:15 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.487	3.784	43911395	34224965	20.803	18.995
2)	SA Decachlor...	10.177	8.791	34774921	29306529	20.349	21.957
	Target Compounds						
3)	L1 AR-1016-1	5.639	4.864	31651692	28152550	435.545	409.684
4)	L1 AR-1016-2	5.660	4.882	49068536	42162450	471.719	418.949
5)	L1 AR-1016-3	5.723	5.058	29765983	23179787	455.497	423.637
6)	L1 AR-1016-4	5.820	5.100	25522749	18794096	488.185	421.869
7)	L1 AR-1016-5	6.112	5.314	22341122	23411234	446.777	423.485
31)	L7 AR-1260-1	7.228	6.344	45191203	43373225	512.294	457.859
32)	L7 AR-1260-2	7.482	6.533	67340779	52258016	495.576	448.812
33)	L7 AR-1260-3	7.840	6.685	46874779	47087154	410.634	452.061
34)	L7 AR-1260-4	8.063	7.154	45641284	34836377	442.924	397.048
35)	L7 AR-1260-5	8.382	7.396	97288146	82747653	404.318	387.758

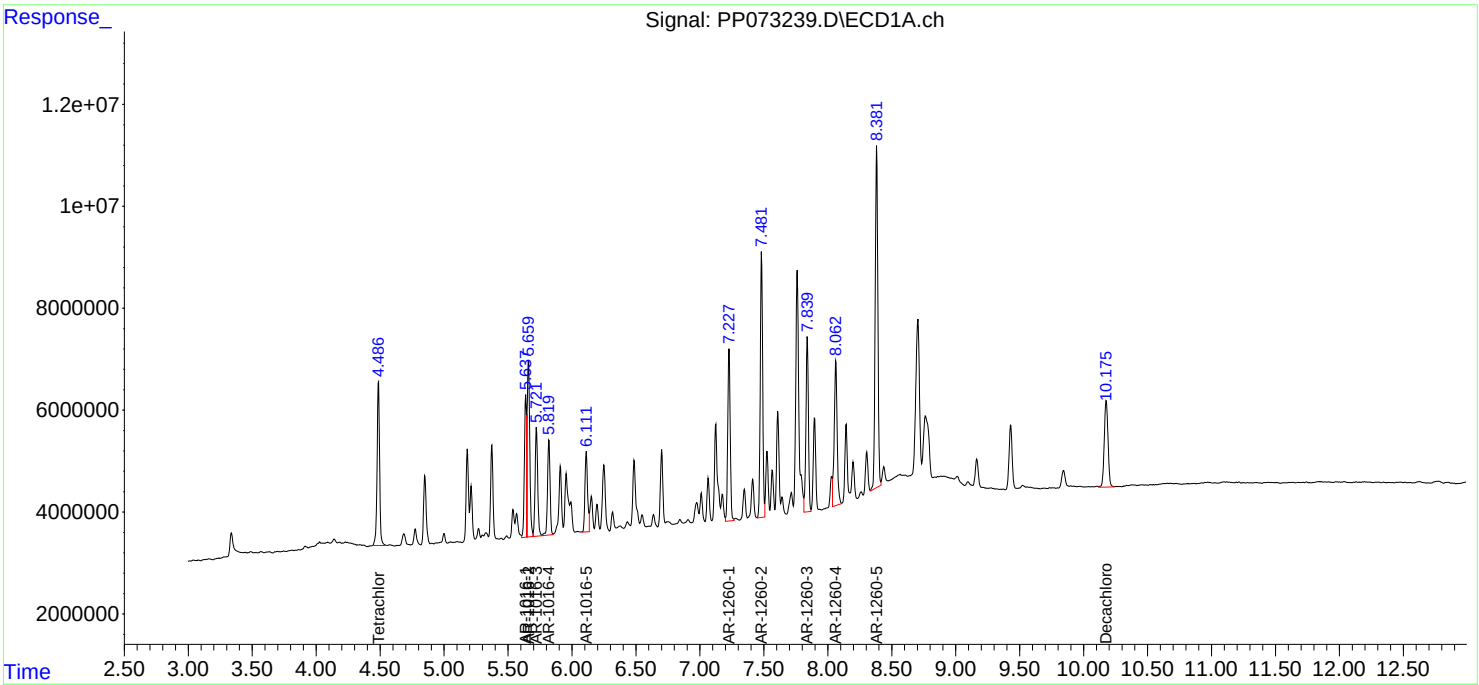
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

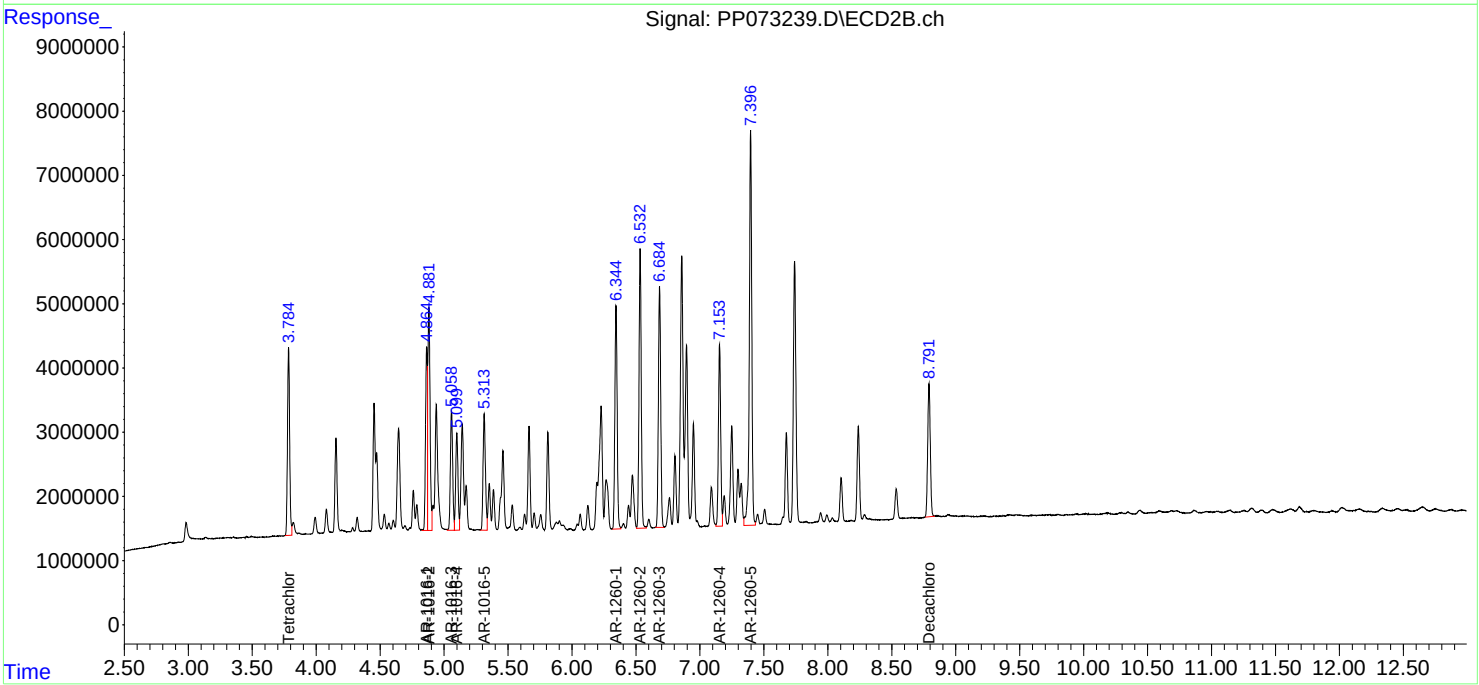
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP062525\
Data File : PP073239.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Jun 2025 13:47
Operator : YP\AJ
Sample : Q2392-01MS
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
S-1MS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 25 14:16:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP061725.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jun 18 08:17:15 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm





Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP062525\
Data File : PP073240.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Jun 2025 14:04
Operator : YP\AJ
Sample : Q2392-01MSD
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
S-1MSD

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 25 14:50:24 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP061725.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jun 18 08:17:15 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.490	3.784	40509529	31097410	19.191	17.259
2)	SA Decachlor...	10.181	8.790	31533129	26169400	18.452	19.607
	Target Compounds						
3)	L1 AR-1016-1	5.642	4.864	31724813	27909592	436.551	406.149
4)	L1 AR-1016-2	5.663	4.881	48321827	41427136	464.541	411.643
5)	L1 AR-1016-3	5.725	5.058	29606262	22990362	453.053	420.175
6)	L1 AR-1016-4	5.822	5.100	25210546	18641418	482.214	418.442
7)	L1 AR-1016-5	6.115	5.313	22344818	23141391	446.851	418.604
31)	L7 AR-1260-1	7.232	6.344	45089771	41749952	511.144	440.723
32)	L7 AR-1260-2	7.484	6.533	67026864	50181853	493.266	430.981
33)	L7 AR-1260-3	7.843	6.684	46445037	46073807	406.869	442.332
34)	L7 AR-1260-4	8.066	7.154	46433419	34225332	450.611	390.083
35)	L7 AR-1260-5	8.384	7.396	97949533	79765117	407.067	373.781

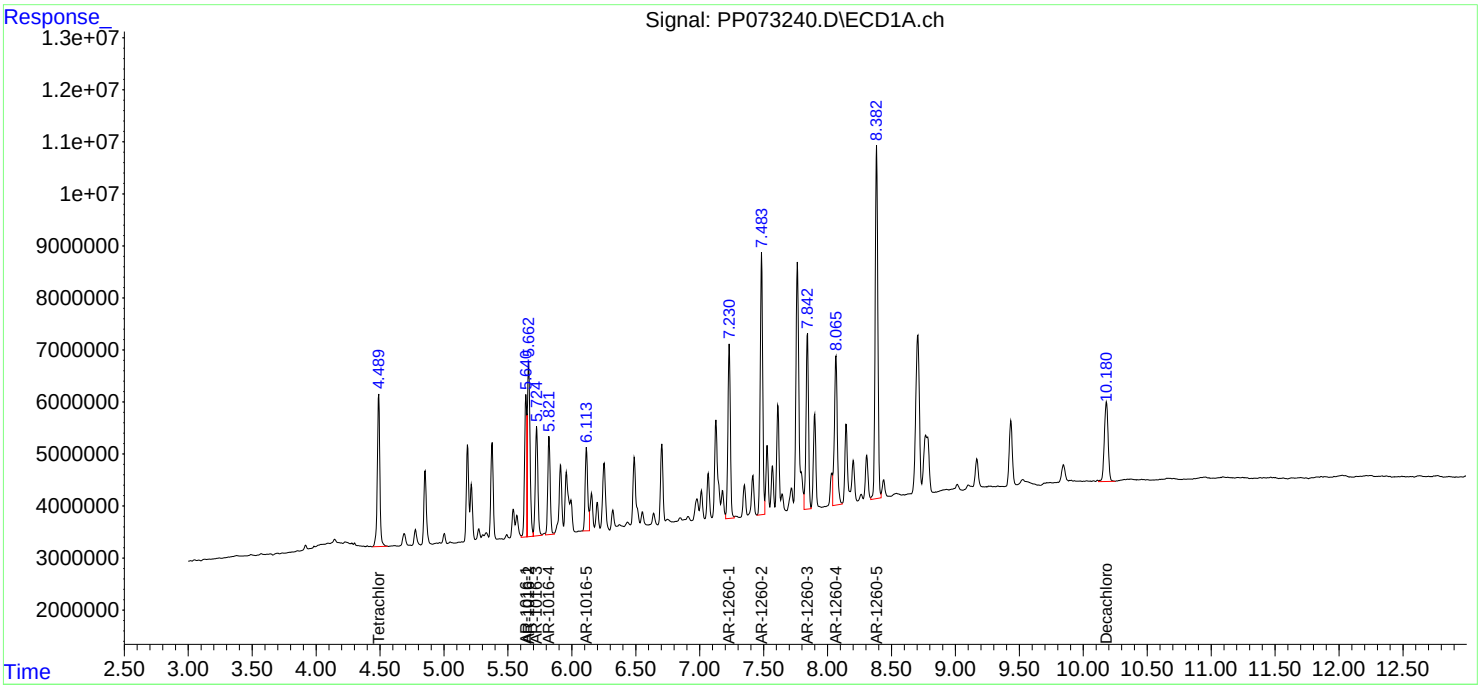
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

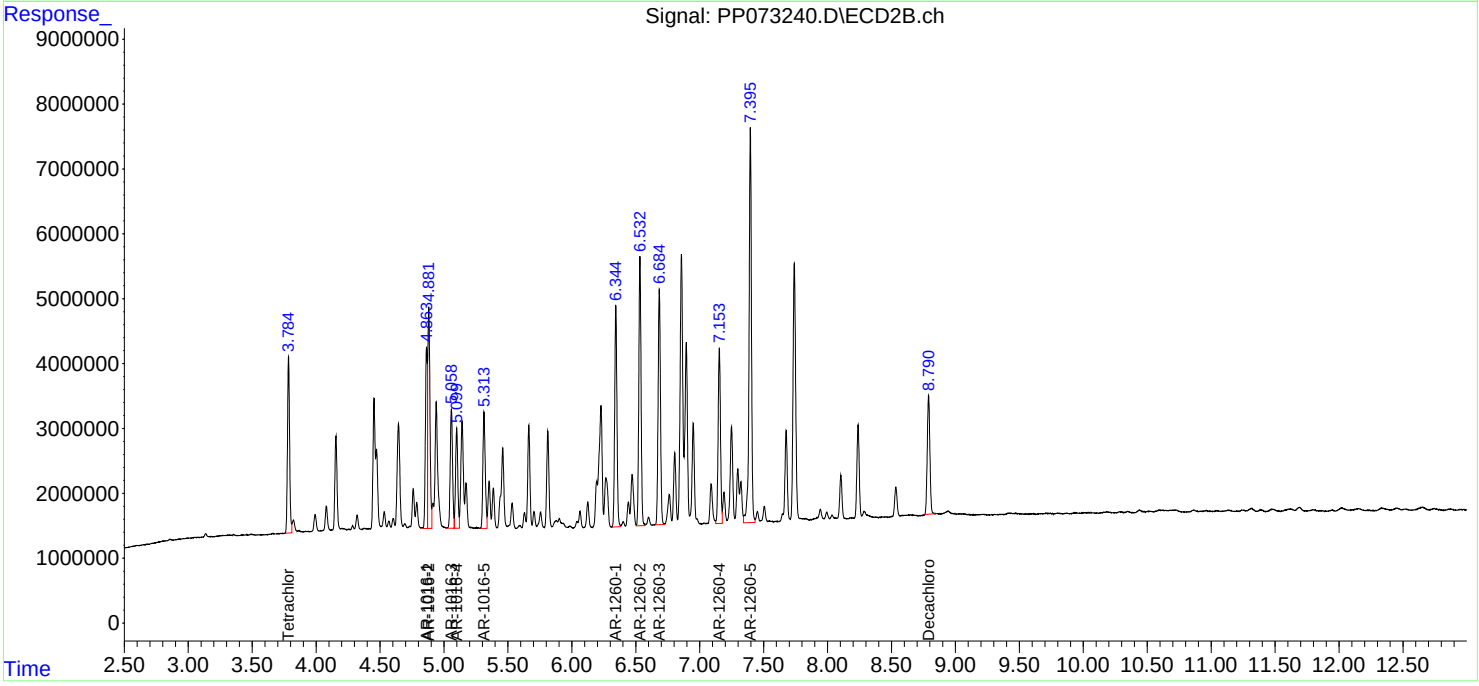
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP062525\
Data File : PP073240.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Jun 2025 14:04
Operator : YP\AJ
Sample : Q2392-01MSD
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
S-1MSD

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 25 14:50:24 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP061725.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jun 18 08:17:15 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm





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

Manual Integration Report

Sequence:	pp061725	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660ICC250	PP072994.D	Decachlorobiphenyl	yogesh	6/18/2025 8:42:19 AM	mohammad	6/19/2025 2:43:36	Peak Integrated by Software
AR1660ICC050	PP072995.D	AR-1016-1	yogesh	6/18/2025 8:42:20 AM	mohammad	6/19/2025 2:43:36	Peak Integrated by Software
AR1660ICC050	PP072995.D	AR-1016-2	yogesh	6/18/2025 8:42:20 AM	mohammad	6/19/2025 2:43:36	Peak Integrated by Software
AR1660ICC050	PP072995.D	AR-1016-3	yogesh	6/18/2025 8:42:20 AM	mohammad	6/19/2025 2:43:36	Peak Integrated by Software
AR1660ICC050	PP072995.D	AR-1016-4	yogesh	6/18/2025 8:42:20 AM	mohammad	6/19/2025 2:43:36	Peak Integrated by Software
AR1660ICC050	PP072995.D	AR-1016-5	yogesh	6/18/2025 8:42:20 AM	mohammad	6/19/2025 2:43:36	Peak Integrated by Software
AR1242ICC050	PP073002.D	AR-1242-1	yogesh	6/18/2025 8:42:22 AM	mohammad	6/19/2025 2:43:36	Peak Integrated by Software
AR1242ICC050	PP073002.D	AR-1242-1 #2	yogesh	6/18/2025 8:42:22 AM	mohammad	6/19/2025 2:43:36	Peak Integrated by Software
AR1242ICC050	PP073002.D	AR-1242-2	yogesh	6/18/2025 8:42:22 AM	mohammad	6/19/2025 2:43:36	Peak Integrated by Software
AR1242ICC050	PP073002.D	AR-1242-2 #2	yogesh	6/18/2025 8:42:22 AM	mohammad	6/19/2025 2:43:36	Peak Integrated by Software
AR1242ICC050	PP073002.D	AR-1242-3	yogesh	6/18/2025 8:42:22 AM	mohammad	6/19/2025 2:43:36	Peak Integrated by Software
AR1242ICC050	PP073002.D	AR-1242-3 #2	yogesh	6/18/2025 8:42:22 AM	mohammad	6/19/2025 2:43:36	Peak Integrated by Software
AR1242ICC050	PP073002.D	AR-1242-4	yogesh	6/18/2025 8:42:22 AM	mohammad	6/19/2025 2:43:36	Peak Integrated by Software

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Manual Integration Report

Sequence:	pp061725	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1242ICC050	PP073002.D	AR-1242-4 #2	yogesh	6/18/2025 8:42:22 AM	mohammad	6/19/2025 2:43:36	Peak Integrated by Software
AR1242ICC050	PP073002.D	AR-1242-5	yogesh	6/18/2025 8:42:22 AM	mohammad	6/19/2025 2:43:36	Peak Integrated by Software
AR1242ICC050	PP073002.D	Decachlorobiphenyl	yogesh	6/18/2025 8:42:22 AM	mohammad	6/19/2025 2:43:36	Peak Integrated by Software
AR1268ICC050	PP073018.D	AR-1268-1	yogesh	6/18/2025 8:42:25 AM	mohammad	6/19/2025 2:43:36	Peak Integrated by Software

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Manual Integration Report

Sequence:	PP062525	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660CCC500	PP073230.D	Decachlorobiphenyl #2	yogesh	6/26/2025 7:31:14 AM	mohammad	6/27/2025 2:47:31	Peak Integrated by Software
AR1242CCC500	PP073231.D	Decachlorobiphenyl #2	yogesh	6/26/2025 7:31:16 AM	mohammad	6/27/2025 2:47:31	Peak Integrated by Software
PB168607BL	PP073236.D	Decachlorobiphenyl	yogesh	6/26/2025 7:31:18 AM	mohammad	6/27/2025 2:47:31	Peak Integrated by Software
PB168607BS	PP073237.D	Decachlorobiphenyl #2	yogesh	6/26/2025 7:31:21 AM	mohammad	6/27/2025 2:47:31	Peak Integrated by Software
AR1660CCC500	PP073245.D	Decachlorobiphenyl #2	yogesh	6/26/2025 7:31:24 AM	mohammad	6/27/2025 2:47:31	Peak Integrated by Software
AR1242CCC500	PP073261.D	AR-1242-5	yogesh	6/26/2025 7:31:30 AM	mohammad	6/27/2025 2:47:31	Peak Integrated by Software
AR1254CCC500	PP073263.D	Decachlorobiphenyl #2	yogesh	6/26/2025 7:31:31 AM	mohammad	6/27/2025 2:47:31	Peak Integrated by Software
AR1660CCC500	PP073273.D	Decachlorobiphenyl #2	yogesh	6/26/2025 7:31:40 AM	mohammad	6/27/2025 2:47:31	Peak Integrated by Software
AR1242CCC500	PP073274.D	AR-1242-5	yogesh	6/26/2025 7:31:42 AM	mohammad	6/27/2025 2:47:31	Peak Integrated by Software
AR1248CCC500	PP073275.D	Decachlorobiphenyl #2	yogesh	6/26/2025 7:31:44 AM	mohammad	6/27/2025 2:47:31	Peak Integrated by Software
I.BLK	PP073277.D	Decachlorobiphenyl #2	yogesh	6/26/2025 7:31:46 AM	mohammad	6/27/2025 2:47:31	Peak Integrated by Software

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Fax : 908 789 8922

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP061725

Review By	yogesh	Review On	6/17/2025 3:09:20 PM		
Supervise By	mohammad	Supervise On	6/19/2025 2:43:36 AM		
SubDirectory	PP061725	HP Acquire Method		HP Processing Method	PP061725

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344 ,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP2435 9,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369
CCC	PP24332,PP24347,PP24352,PP24357
Internal Standard/PEM	
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP2
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PP072989.D	17 Jun 2025 09:31	YP\AJ	Ok
2	I.BLK	PP072990.D	17 Jun 2025 09:47	YP\AJ	Ok
3	AR1660ICC1000	PP072991.D	17 Jun 2025 10:04	YP\AJ	Ok
4	AR1660ICC750	PP072992.D	17 Jun 2025 10:20	YP\AJ	Ok
5	AR1660ICC500	PP072993.D	17 Jun 2025 10:37	YP\AJ	Ok
6	AR1660ICC250	PP072994.D	17 Jun 2025 10:53	YP\AJ	Ok,M
7	AR1660ICC050	PP072995.D	17 Jun 2025 11:43	YP\AJ	Ok,M
8	AR1221ICC500	PP072996.D	17 Jun 2025 12:00	YP\AJ	Ok
9	AR1232ICC500	PP072997.D	17 Jun 2025 12:16	YP\AJ	Ok
10	AR1242ICC1000	PP072998.D	17 Jun 2025 14:27	YP\AJ	Ok
11	AR1242ICC750	PP072999.D	17 Jun 2025 14:43	YP\AJ	Ok
12	AR1242ICC500	PP073000.D	17 Jun 2025 15:00	YP\AJ	Ok
13	AR1242ICC250	PP073001.D	17 Jun 2025 15:16	YP\AJ	Ok
14	AR1242ICC050	PP073002.D	17 Jun 2025 15:32	YP\AJ	Ok,M
15	AR1248ICC1000	PP073003.D	17 Jun 2025 15:49	YP\AJ	Ok
16	AR1248ICC750	PP073004.D	17 Jun 2025 16:21	YP\AJ	Ok
17	AR1248ICC500	PP073005.D	17 Jun 2025 16:37	YP\AJ	Ok
18	AR1248ICC250	PP073006.D	17 Jun 2025 16:54	YP\AJ	Ok
19	AR1248ICC050	PP073007.D	17 Jun 2025 17:10	YP\AJ	Ok
20	AR1254ICC1000	PP073008.D	17 Jun 2025 17:26	YP\AJ	Ok
21	AR1254ICC750	PP073009.D	17 Jun 2025 17:43	YP\AJ	Ok

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

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP061725

Review By	yogesh	Review On	6/17/2025 3:09:20 PM		
Supervise By	mohammad	Supervise On	6/19/2025 2:43:36 AM		
SubDirectory	PP061725	HP Acquire Method		HP Processing Method	PP061725

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344 ,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP2435 9,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369
CCC	PP24332,PP24347,PP24352,PP24357
Internal Standard/PEM	
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP2
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	AR1254ICC500	PP073010.D	17 Jun 2025 17:59	YP\AJ	Ok
23	AR1254ICC250	PP073011.D	17 Jun 2025 18:15	YP\AJ	Ok
24	AR1254ICC050	PP073012.D	17 Jun 2025 18:32	YP\AJ	Ok
25	AR1262ICC500	PP073013.D	17 Jun 2025 18:48	YP\AJ	Ok
26	AR1268ICC1000	PP073014.D	17 Jun 2025 19:04	YP\AJ	Ok
27	AR1268ICC750	PP073015.D	17 Jun 2025 19:21	YP\AJ	Ok
28	AR1268ICC500	PP073016.D	17 Jun 2025 19:37	YP\AJ	Ok
29	AR1268ICC250	PP073017.D	17 Jun 2025 19:53	YP\AJ	Ok
30	AR1268ICC050	PP073018.D	17 Jun 2025 20:10	YP\AJ	Ok,M
31	PP061725ICV500	PP073019.D	17 Jun 2025 20:26	YP\AJ	Ok
32	AR1242ICV500	PP073020.D	17 Jun 2025 20:59	YP\AJ	Ok
33	AR1248ICV500	PP073021.D	17 Jun 2025 21:31	YP\AJ	Ok
34	AR1254ICV500	PP073022.D	17 Jun 2025 22:04	YP\AJ	Ok
35	AR1268ICV500	PP073023.D	17 Jun 2025 22:37	YP\AJ	Ok
36	DDT ANALOGUE	PP073024.D	17 Jun 2025 23:09	YP\AJ	Ok

M : Manual Integration

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

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP062525

Review By	yogesh	Review On	6/25/2025 11:08:52 AM		
Supervise By	mohammad	Supervise On	6/27/2025 2:47:31 AM		
SubDirectory	PP062525	HP Acquire Method		HP Processing Method	PP061725

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344 ,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP2435 9,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369
CCC	PP24332,PP24347,PP24352,PP24357
Internal Standard/PEM	
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP2
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PP073229.D	25 Jun 2025 09:31	YP\AJ	Ok
2	AR1660CCC500	PP073230.D	25 Jun 2025 09:47	YP\AJ	Ok,M
3	AR1242CCC500	PP073231.D	25 Jun 2025 10:03	YP\AJ	Ok,M
4	AR1248CCC500	PP073232.D	25 Jun 2025 10:20	YP\AJ	Ok
5	AR1254CCC500	PP073233.D	25 Jun 2025 10:36	YP\AJ	Ok
6	I.BLK	PP073234.D	25 Jun 2025 10:52	YP\AJ	Ok
7	DDT ANALOGUE	PP073235.D	25 Jun 2025 11:09	YP\AJ	Ok
8	PB168607BL	PP073236.D	25 Jun 2025 12:59	YP\AJ	Ok,M
9	PB168607BS	PP073237.D	25 Jun 2025 13:15	YP\AJ	Ok,M
10	Q2392-01	PP073238.D	25 Jun 2025 13:31	YP\AJ	Ok,M
11	Q2392-01MS	PP073239.D	25 Jun 2025 13:47	YP\AJ	Ok
12	Q2392-01MSD	PP073240.D	25 Jun 2025 14:04	YP\AJ	Ok
13	Q2393-01	PP073241.D	25 Jun 2025 14:20	YP\AJ	Ok
14	Q2393-03	PP073242.D	25 Jun 2025 14:37	YP\AJ	Ok
15	Q2393-05	PP073243.D	25 Jun 2025 14:53	YP\AJ	Ok
16	Q2393-07	PP073244.D	25 Jun 2025 15:09	YP\AJ	Ok
17	AR1660CCC500	PP073245.D	25 Jun 2025 15:59	YP\AJ	Ok,M
18	AR1242CCC500	PP073246.D	25 Jun 2025 16:15	YP\AJ	Ok
19	AR1248CCC500	PP073247.D	25 Jun 2025 16:31	YP\AJ	Ok
20	AR1254CCC500	PP073248.D	25 Jun 2025 16:48	YP\AJ	Ok
21	I.BLK	PP073249.D	25 Jun 2025 17:04	YP\AJ	Ok

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP062525

Review By	yogesh	Review On	6/25/2025 11:08:52 AM		
Supervise By	mohammad	Supervise On	6/27/2025 2:47:31 AM		
SubDirectory	PP062525	HP Acquire Method		HP Processing Method	PP061725

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344 ,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP2435 9,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369
CCC	PP24332,PP24347,PP24352,PP24357
Internal Standard/PEM	
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP2
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q2393-09	PP073250.D	25 Jun 2025 17:21	YP\AJ	Ok
23	Q2393-11	PP073251.D	25 Jun 2025 17:37	YP\AJ	Ok
24	Q2394-01	PP073252.D	25 Jun 2025 17:54	YP\AJ	Ok
25	Q2398-03	PP073253.D	25 Jun 2025 18:10	YP\AJ	Ok
26	Q2398-06	PP073254.D	25 Jun 2025 18:26	YP\AJ	Ok
27	Q2412-01	PP073255.D	25 Jun 2025 18:43	YP\AJ	Ok,M
28	Q2387-01	PP073256.D	25 Jun 2025 18:59	YP\AJ	Dilution
29	Q2387-02	PP073257.D	25 Jun 2025 19:16	YP\AJ	Dilution
30	Q2387-03	PP073258.D	25 Jun 2025 19:32	YP\AJ	Dilution
31	Q2411-01	PP073259.D	25 Jun 2025 19:49	YP\AJ	Ok
32	AR1660CCC500	PP073260.D	25 Jun 2025 20:54	YP\AJ	Ok
33	AR1242CCC500	PP073261.D	25 Jun 2025 21:27	YP\AJ	Ok,M
34	AR1248CCC500	PP073262.D	25 Jun 2025 21:44	YP\AJ	Ok
35	AR1254CCC500	PP073263.D	25 Jun 2025 22:00	YP\AJ	Ok,M
36	I.BLK	PP073264.D	25 Jun 2025 22:17	YP\AJ	Ok
37	PB168618BL	PP073265.D	25 Jun 2025 22:33	YP\AJ	Ok
38	PB168618BS	PP073266.D	25 Jun 2025 22:49	YP\AJ	Ok
39	Q2421-01	PP073267.D	25 Jun 2025 23:06	YP\AJ	Ok,M
40	Q2421-02	PP073268.D	25 Jun 2025 23:22	YP\AJ	Ok
41	Q2421-03	PP073269.D	25 Jun 2025 23:39	YP\AJ	Ok
42	Q2421-04	PP073270.D	25 Jun 2025 23:55	YP\AJ	Ok,M
43	Q2421-05	PP073271.D	26 Jun 2025 00:11	YP\AJ	Ok,M
44	Q2421-06	PP073272.D	26 Jun 2025 00:28	YP\AJ	Dilution

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP062525

Review By	yogesh	Review On	6/25/2025 11:08:52 AM		
Supervise By	mohammad	Supervise On	6/27/2025 2:47:31 AM		
SubDirectory	PP062525	HP Acquire Method		HP Processing Method	PP061725

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344 ,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP2435 9,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369
CCC	PP24332,PP24347,PP24352,PP24357
Internal Standard/PEM	
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP2
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

45	AR1660CCC500	PP073273.D	26 Jun 2025 01:33	YP\AJ	Ok,M
46	AR1242CCC500	PP073274.D	26 Jun 2025 02:06	YP\AJ	Ok,M
47	AR1248CCC500	PP073275.D	26 Jun 2025 02:23	YP\AJ	Ok,M
48	AR1254CCC500	PP073276.D	26 Jun 2025 02:39	YP\AJ	Ok
49	I.BLK	PP073277.D	26 Jun 2025 02:55	YP\AJ	Ok,M

M : Manual Integration

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP061725

Review By	yogesh	Review On	6/17/2025 3:09:20 PM		
Supervise By	mohammad	Supervise On	6/19/2025 2:43:36 AM		
SubDirectory	PP061725	HP Acquire Method		HP Processing Method	PP061725

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369
CCC	PP24332,PP24347,PP24352,PP24357
Internal Standard/PEM	
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP24387
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PP072989.D	17 Jun 2025 09:31		YP\AJ	Ok
2	I.BLK	I.BLK	PP072990.D	17 Jun 2025 09:47		YP\AJ	Ok
3	AR1660ICC1000	AR1660ICC1000	PP072991.D	17 Jun 2025 10:04		YP\AJ	Ok
4	AR1660ICC750	AR1660ICC750	PP072992.D	17 Jun 2025 10:20		YP\AJ	Ok
5	AR1660ICC500	AR1660ICC500	PP072993.D	17 Jun 2025 10:37		YP\AJ	Ok
6	AR1660ICC250	AR1660ICC250	PP072994.D	17 Jun 2025 10:53		YP\AJ	Ok,M
7	AR1660ICC050	AR1660ICC050	PP072995.D	17 Jun 2025 11:43		YP\AJ	Ok,M
8	AR1221ICC500	AR1221ICC500	PP072996.D	17 Jun 2025 12:00		YP\AJ	Ok
9	AR1232ICC500	AR1232ICC500	PP072997.D	17 Jun 2025 12:16		YP\AJ	Ok
10	AR1242ICC1000	AR1242ICC1000	PP072998.D	17 Jun 2025 14:27		YP\AJ	Ok
11	AR1242ICC750	AR1242ICC750	PP072999.D	17 Jun 2025 14:43		YP\AJ	Ok
12	AR1242ICC500	AR1242ICC500	PP073000.D	17 Jun 2025 15:00		YP\AJ	Ok
13	AR1242ICC250	AR1242ICC250	PP073001.D	17 Jun 2025 15:16		YP\AJ	Ok
14	AR1242ICC050	AR1242ICC050	PP073002.D	17 Jun 2025 15:32		YP\AJ	Ok,M
15	AR1248ICC1000	AR1248ICC1000	PP073003.D	17 Jun 2025 15:49		YP\AJ	Ok
16	AR1248ICC750	AR1248ICC750	PP073004.D	17 Jun 2025 16:21		YP\AJ	Ok
17	AR1248ICC500	AR1248ICC500	PP073005.D	17 Jun 2025 16:37		YP\AJ	Ok
18	AR1248ICC250	AR1248ICC250	PP073006.D	17 Jun 2025 16:54		YP\AJ	Ok

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP061725

Review By	yogesh	Review On	6/17/2025 3:09:20 PM		
Supervise By	mohammad	Supervise On	6/19/2025 2:43:36 AM		
SubDirectory	PP061725	HP Acquire Method		HP Processing Method	PP061725

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369
CCC	PP24332,PP24347,PP24352,PP24357
Internal Standard/PEM	
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP24387
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	AR1248ICC050	AR1248ICC050	PP073007.D	17 Jun 2025 17:10		YP\AJ	Ok
20	AR1254ICC1000	AR1254ICC1000	PP073008.D	17 Jun 2025 17:26		YP\AJ	Ok
21	AR1254ICC750	AR1254ICC750	PP073009.D	17 Jun 2025 17:43		YP\AJ	Ok
22	AR1254ICC500	AR1254ICC500	PP073010.D	17 Jun 2025 17:59		YP\AJ	Ok
23	AR1254ICC250	AR1254ICC250	PP073011.D	17 Jun 2025 18:15		YP\AJ	Ok
24	AR1254ICC050	AR1254ICC050	PP073012.D	17 Jun 2025 18:32		YP\AJ	Ok
25	AR1262ICC500	AR1262ICC500	PP073013.D	17 Jun 2025 18:48		YP\AJ	Ok
26	AR1268ICC1000	AR1268ICC1000	PP073014.D	17 Jun 2025 19:04		YP\AJ	Ok
27	AR1268ICC750	AR1268ICC750	PP073015.D	17 Jun 2025 19:21		YP\AJ	Ok
28	AR1268ICC500	AR1268ICC500	PP073016.D	17 Jun 2025 19:37		YP\AJ	Ok
29	AR1268ICC250	AR1268ICC250	PP073017.D	17 Jun 2025 19:53		YP\AJ	Ok
30	AR1268ICC050	AR1268ICC050	PP073018.D	17 Jun 2025 20:10		YP\AJ	Ok,M
31	PP061725ICV500	ICVPP061725	PP073019.D	17 Jun 2025 20:26		YP\AJ	Ok
32	AR1242ICV500	ICVPP061725AR1242	PP073020.D	17 Jun 2025 20:59		YP\AJ	Ok
33	AR1248ICV500	ICVPP061725AR1248	PP073021.D	17 Jun 2025 21:31		YP\AJ	Ok
34	AR1254ICV500	ICVPP061725AR1254	PP073022.D	17 Jun 2025 22:04		YP\AJ	Ok
35	AR1268ICV500	ICVPP061725AR1268	PP073023.D	17 Jun 2025 22:37		YP\AJ	Ok
36	DDT ANALOGUE	DDT ANALOGUE	PP073024.D	17 Jun 2025 23:09		YP\AJ	Ok

M : Manual Integration

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP062525

Review By	yogesh	Review On	6/25/2025 11:08:52 AM		
Supervise By	mohammad	Supervise On	6/27/2025 2:47:31 AM		
SubDirectory	PP062525	HP Acquire Method		HP Processing Method	PP061725

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369
CCC	PP24332,PP24347,PP24352,PP24357
Internal Standard/PEM	
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP24387
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PP073229.D	25 Jun 2025 09:31		YP\AJ	Ok
2	AR1660CCC500	AR1660CCC500	PP073230.D	25 Jun 2025 09:47		YP\AJ	Ok,M
3	AR1242CCC500	AR1242CCC500	PP073231.D	25 Jun 2025 10:03		YP\AJ	Ok,M
4	AR1248CCC500	AR1248CCC500	PP073232.D	25 Jun 2025 10:20		YP\AJ	Ok
5	AR1254CCC500	AR1254CCC500	PP073233.D	25 Jun 2025 10:36		YP\AJ	Ok
6	I.BLK	I.BLK	PP073234.D	25 Jun 2025 10:52		YP\AJ	Ok
7	DDT ANALOGUE	DDT ANALOGUE	PP073235.D	25 Jun 2025 11:09		YP\AJ	Ok
8	PB168607BL	PB168607BL	PP073236.D	25 Jun 2025 12:59		YP\AJ	Ok,M
9	PB168607BS	PB168607BS	PP073237.D	25 Jun 2025 13:15		YP\AJ	Ok,M
10	Q2392-01	S-1	PP073238.D	25 Jun 2025 13:31		YP\AJ	Ok,M
11	Q2392-01MS	S-1MS	PP073239.D	25 Jun 2025 13:47		YP\AJ	Ok
12	Q2392-01MSD	S-1MSD	PP073240.D	25 Jun 2025 14:04		YP\AJ	Ok
13	Q2393-01	PARK AVE -1	PP073241.D	25 Jun 2025 14:20		YP\AJ	Ok
14	Q2393-03	PARK AVE -2	PP073242.D	25 Jun 2025 14:37		YP\AJ	Ok
15	Q2393-05	PARK AVE -3	PP073243.D	25 Jun 2025 14:53		YP\AJ	Ok
16	Q2393-07	PARK AVE -4	PP073244.D	25 Jun 2025 15:09		YP\AJ	Ok
17	AR1660CCC500	AR1660CCC500	PP073245.D	25 Jun 2025 15:59		YP\AJ	Ok,M
18	AR1242CCC500	AR1242CCC500	PP073246.D	25 Jun 2025 16:15		YP\AJ	Ok

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP062525

Review By	yogesh	Review On	6/25/2025 11:08:52 AM		
Supervise By	mohammad	Supervise On	6/27/2025 2:47:31 AM		
SubDirectory	PP062525	HP Acquire Method		HP Processing Method	PP061725

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369
CCC	PP24332,PP24347,PP24352,PP24357
Internal Standard/PEM	
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP24387
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	AR1248CCC500	AR1248CCC500	PP073247.D	25 Jun 2025 16:31		YP\AJ	Ok
20	AR1254CCC500	AR1254CCC500	PP073248.D	25 Jun 2025 16:48		YP\AJ	Ok
21	I.BLK	I.BLK	PP073249.D	25 Jun 2025 17:04		YP\AJ	Ok
22	Q2393-09	PARK AVE -5	PP073250.D	25 Jun 2025 17:21		YP\AJ	Ok
23	Q2393-11	PARK AVE -6	PP073251.D	25 Jun 2025 17:37		YP\AJ	Ok
24	Q2394-01	MH-K/L	PP073252.D	25 Jun 2025 17:54		YP\AJ	Ok
25	Q2398-03	M00-25-0179	PP073253.D	25 Jun 2025 18:10	AR1254 & AR1260 hits	YP\AJ	Ok
26	Q2398-06	ARS20-0036	PP073254.D	25 Jun 2025 18:26		YP\AJ	Ok
27	Q2412-01	TR-05-062425	PP073255.D	25 Jun 2025 18:43		YP\AJ	Ok,M
28	Q2387-01	AUD-25-101	PP073256.D	25 Jun 2025 18:59	AR1254 hit (Need Dilution 50X)	YP\AJ	Dilution
29	Q2387-02	AUD-25-102	PP073257.D	25 Jun 2025 19:16	AR1254 hit (Need Dilution 50X)	YP\AJ	Dilution
30	Q2387-03	AUD-25-103	PP073258.D	25 Jun 2025 19:32	AR1254 hit (Need Dilution 50X)	YP\AJ	Dilution
31	Q2411-01	TRE-2002	PP073259.D	25 Jun 2025 19:49		YP\AJ	Ok
32	AR1660CCC500	AR1660CCC500	PP073260.D	25 Jun 2025 20:54		YP\AJ	Ok
33	AR1242CCC500	AR1242CCC500	PP073261.D	25 Jun 2025 21:27		YP\AJ	Ok,M
34	AR1248CCC500	AR1248CCC500	PP073262.D	25 Jun 2025 21:44		YP\AJ	Ok
35	AR1254CCC500	AR1254CCC500	PP073263.D	25 Jun 2025 22:00		YP\AJ	Ok,M
36	I.BLK	I.BLK	PP073264.D	25 Jun 2025 22:17		YP\AJ	Ok
37	PB168618BL	PB168618BL	PP073265.D	25 Jun 2025 22:33		YP\AJ	Ok

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP062525

Review By	yogesh	Review On	6/25/2025 11:08:52 AM		
Supervise By	mohammad	Supervise On	6/27/2025 2:47:31 AM		
SubDirectory	PP062525	HP Acquire Method		HP Processing Method	PP061725

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369
CCC	PP24332,PP24347,PP24352,PP24357
Internal Standard/PEM	
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP24387
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

38	PB168618BS	PB168618BS	PP073266.D	25 Jun 2025 22:49		YP\AJ	Ok
39	Q2421-01	62325	PP073267.D	25 Jun 2025 23:06	AR1242 hits.	YP\AJ	Ok,M
40	Q2421-02	624-A	PP073268.D	25 Jun 2025 23:22	AR1242 hits.	YP\AJ	Ok
41	Q2421-03	624-B	PP073269.D	25 Jun 2025 23:39	AR1242 hits.	YP\AJ	Ok
42	Q2421-04	624-C	PP073270.D	25 Jun 2025 23:55	AR1242 hits.	YP\AJ	Ok,M
43	Q2421-05	624-D	PP073271.D	26 Jun 2025 00:11	AR1242 hits.	YP\AJ	Ok,M
44	Q2421-06	62325-A	PP073272.D	26 Jun 2025 00:28	AR1242 hits, Need 5X	YP\AJ	Dilution
45	AR1660CCC500	AR1660CCC500	PP073273.D	26 Jun 2025 01:33		YP\AJ	Ok,M
46	AR1242CCC500	AR1242CCC500	PP073274.D	26 Jun 2025 02:06		YP\AJ	Ok,M
47	AR1248CCC500	AR1248CCC500	PP073275.D	26 Jun 2025 02:23		YP\AJ	Ok,M
48	AR1254CCC500	AR1254CCC500	PP073276.D	26 Jun 2025 02:39		YP\AJ	Ok
49	I.BLK	I.BLK	PP073277.D	26 Jun 2025 02:55		YP\AJ	Ok,M

M : Manual Integration

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB168607

SOP ID:	M3541-ASE Extraction-14				
Clean Up SOP #:	Acid Cleanup			**Extraction Start Date :**	06/25/2025
Matrix :	Solid			**Extraction Start Time :**	08:45
Weigh By:	EH	**Extraction By:**	RJ	**Extraction End Date :**	06/25/2025
Balance check:	EH	**Filter By:**	RJ	**Extraction End Time :**	12:00
Balance ID:	EX-SC-2	**pH Meter ID:**	N/A	**Concentration By:**	EH
pH Strip Lot#:	N/A	**Hood ID:**	3,7	**Supervisor By :**	RUPESH

Extraction Method: ☐ Seperatory Funnel ☐ Continious Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☑ Soxhlet

Standared Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	5000 PPB	PP24650
Surrogate	1.0ML	200 PPB	PP24597
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
Hexane/Acetone/1:1	N/A	EP2613
Baked Na2SO4	N/A	EP2622
Sand	N/A	E2865
Hexane	N/A	E3945
H2SO4 1:1	N/A	EP2610
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:

40ML Vial Lot # 03-40BTS723, Q2406-01 used Ltd. volume as sample is oil.

KD Bath ID:	N/A	**Envap ID:**	NEVAP-02
KD Bath Temperature:	N/A	**Envap Temperature:**	40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
6/25/25	RS (Ext lab)	R. Patel/PCB Lab
12:05	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB168607

Analytical Method: M3541-ASE Extraction-14 **Concentration Date:** 06/25/2025

Sample ID	Client Sample ID	Test	g/mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB168607BL	ABLK607	PCB	30.01	N/A	ritesh	Evelyn	10			U2-1
PB168607BS	ALCS607	PCB	30.02	N/A	ritesh	Evelyn	10			2
Q2392-01	S-1	PCB	30.07	N/A	ritesh	Evelyn	10	B		3
Q2392-01MS	S-1MS	PCB	30.03	N/A	ritesh	Evelyn	10	B		4
Q2392-01MSD	S-1MSD	PCB	30.08	N/A	ritesh	Evelyn	10	B		5
Q2393-01	PARK AVE -1	PCB	30.05	N/A	ritesh	Evelyn	10	D		6
Q2393-03	PARK AVE -2	PCB	30.02	N/A	ritesh	Evelyn	10	D		U3-1
Q2393-05	PARK AVE -3	PCB	30.06	N/A	ritesh	Evelyn	10	D		2
Q2393-07	PARK AVE -4	PCB	30.03	N/A	ritesh	Evelyn	10	D		3
Q2393-09	PARK AVE -5	PCB	30.01	N/A	ritesh	Evelyn	10	D		4
Q2393-11	PARK AVE -6	PCB	30.08	N/A	ritesh	Evelyn	10	D		5
Q2394-01	MH-K/L	PCB	30.05	N/A	ritesh	Evelyn	10	D		6
Q2398-03	M00-25-0179	PCB	30.02	N/A	ritesh	Evelyn	10	D	Small Partical	U6-1
Q2398-06	ARS20-0036	PCB	30.01	N/A	ritesh	Evelyn	10	D		2
Q2399-01	TP-13	PCB	30.04	N/A	ritesh	Evelyn	10	D		3
Q2399-05	EP-7	PCB	30.06	N/A	ritesh	Evelyn	10	D		4
Q2400-01	B-156-SB01	PCB	30.03	N/A	ritesh	Evelyn	10			5
Q2400-02	B-134-SB01	PCB	30.07	N/A	ritesh	Evelyn	10			6
Q2403-03	LAW-25-0093	PCB	30.05	N/A	ritesh	Evelyn	10	D	Small Partical	U1-1
Q2403-05	CONCRETE-062325	PCB	30.06	N/A	ritesh	Evelyn	10	D	Concrete	2
Q2403-07	ARS 20-006	PCB	30.04	N/A	ritesh	Evelyn	10	D		3
Q2405-01	MH-M/H	PCB	30.01	N/A	ritesh	Evelyn	10	D		4
Q2406-01	PUMPING-PLANT	PCB	1.09	N/A	ritesh	Evelyn	10		Oil	
Q2412-01	TR-05-062425	PCB	30.05	N/A	ritesh	Evelyn	10	D		5

RS 6/25

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

Q2393 8:45

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q2393 **WorkList ID :** 190367 **Department :** Extraction **Date :** 06-25-2025 08:40:11

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2392-01	S-1	Solid	PCB	Cool 4 deg C	EARTH03	A41	06/23/2025	8082A
Q2393-01	PARK AVE -1	Solid	PCB	Cool 4 deg C	UNIO02	A22	06/23/2025	8082A
Q2393-03	PARK AVE -2	Solid	PCB	Cool 4 deg C	UNIO02	A22	06/23/2025	8082A
Q2393-05	PARK AVE -3	Solid	PCB	Cool 4 deg C	UNIO02	A22	06/23/2025	8082A
Q2393-07	PARK AVE -4	Solid	PCB	Cool 4 deg C	UNIO02	A22	06/23/2025	8082A
Q2393-09	PARK AVE -5	Solid	PCB	Cool 4 deg C	UNIO02	A22	06/23/2025	8082A
Q2393-11	PARK AVE -6	Solid	PCB	Cool 4 deg C	UNIO02	A22	06/23/2025	8082A
Q2394-01	MH-K/L	Solid	PCB	Cool 4 deg C	PSEG03	A21	06/23/2025	8082A
Q2398-03	M00-25-0179	Solid	PCB	Cool 4 deg C	PSEG03	A33	06/23/2025	8082A
Q2398-06	ARS20-0036	Solid	PCB	Cool 4 deg C	PSEG03	A33	06/23/2025	8082A
Q2399-01	TP-13	Solid	PCB	Cool 4 deg C	PSEG03	A41	06/23/2025	8082A
Q2399-05	EP-7	Solid	PCB	Cool 4 deg C	PSEG03	A41	06/23/2025	8082A
Q2400-01	B-156-SB01	Solid	PCB	Cool 4 deg C	PORT06	A42	06/23/2025	8082A
Q2400-02	B-134-SB01	Solid	PCB	Cool 4 deg C	PORT06	A42	06/23/2025	8082A
Q2403-03	LAW-25-0093	Solid	PCB	Cool 4 deg C	PSEG03	A32	06/23/2025	8082A
Q2403-05	Concrete-062325	Solid	PCB	Cool 4 deg C	PSEG03	A32	06/23/2025	8082A
Q2403-07	ARS 20-006	Solid	PCB	Cool 4 deg C	PSEG03		06/23/2025	8082A
Q2405-01	MH-M/H	Solid	PCB	Cool 4 deg C	PSEG03	D41	06/24/2025	8082A
Q2406-01	PUMPING-PLANT	Solid	PCB	Cool 4 deg C	PSEG03	D41	06/23/2025	8082A
Q2412-01	TR-05-062425	Solid	PCB	Cool 4 deg C	PSEG05	D41	06/24/2025	8082A

605 of 711

Date/Time 06/25/25 8:40
Raw Sample Received by: RJ (LEFT-WEB)
Raw Sample Relinquished by: CR SM

Date/Time 06/25/25 9:10
Raw Sample Received by: CR SM
Raw Sample Relinquished by: RJ (LEFT-WEB)

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

LAB CHRONICLE

OrderID:	Q2393	**OrderDate:**	6/23/2025 11:43:58 AM
Client:	Union Paving & Construction Company	**Project:**	190 Park Ave Hanover Twp NJ - PO 3556-001
Contact:	Gerard Busacco	**Location:**	A22,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2393-01	**PARK AVE -1**	**SOIL**			**06/23/25**			**06/23/25**
			PCB	8082A		06/25/25	06/25/25	
			Pesticide-TCL	8081B		06/25/25	06/25/25	
Q2393-03	**PARK AVE -2**	**SOIL**			**06/23/25**			**06/23/25**
			PCB	8082A		06/25/25	06/25/25	
			Pesticide-TCL	8081B		06/25/25	06/25/25	
Q2393-05	**PARK AVE -3**	**SOIL**			**06/23/25**			**06/23/25**
			PCB	8082A		06/25/25	06/25/25	
			Pesticide-TCL	8081B		06/25/25	06/25/25	
Q2393-07	**PARK AVE -4**	**SOIL**			**06/23/25**			**06/23/25**
			PCB	8082A		06/25/25	06/25/25	
			Pesticide-TCL	8081B		06/25/25	06/25/25	
Q2393-09	**PARK AVE -5**	**SOIL**			**06/23/25**			**06/23/25**
			PCB	8082A		06/25/25	06/25/25	
			Pesticide-TCL	8081B		06/25/25	06/25/25	
Q2393-11	**PARK AVE -6**	**SOIL**			**06/23/25**			**06/23/25**
			PCB	8082A		06/25/25	06/25/25	
			Pesticide-TCL	8081B		06/25/25	06/25/25	

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Hit Summary Sheet
SW-846

SDG No.: Q2393 **Order ID:** Q2393

Client: Union Paving & Construction Company **Project ID:** 190 Park Ave Hanover Twp NJ - PO 3556-(

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID :	**PARK AVE -1**							
Q2393-01	PARK AVE -1	SOIL	Aluminum	11200		0.92	5.46	mg/Kg
Q2393-01	PARK AVE -1	SOIL	Antimony	1.60	J	0.24	2.73	mg/Kg
Q2393-01	PARK AVE -1	SOIL	Arsenic	8.14		0.21	1.09	mg/Kg
Q2393-01	PARK AVE -1	SOIL	Barium	76.0		0.80	5.46	mg/Kg
Q2393-01	PARK AVE -1	SOIL	Beryllium	1.02		0.027	0.33	mg/Kg
Q2393-01	PARK AVE -1	SOIL	Calcium	1310		12.1	109	mg/Kg
Q2393-01	PARK AVE -1	SOIL	Chromium	17.8		0.051	0.55	mg/Kg
Q2393-01	PARK AVE -1	SOIL	Cobalt	18.6		0.11	1.64	mg/Kg
Q2393-01	PARK AVE -1	SOIL	Copper	22.6		0.24	1.09	mg/Kg
Q2393-01	PARK AVE -1	SOIL	Iron	26200		4.35	5.46	mg/Kg
Q2393-01	PARK AVE -1	SOIL	Lead	15.2		0.14	0.66	mg/Kg
Q2393-01	PARK AVE -1	SOIL	Magnesium	4410		13.1	109	mg/Kg
Q2393-01	PARK AVE -1	SOIL	Manganese	527		0.15	1.09	mg/Kg
Q2393-01	PARK AVE -1	SOIL	Mercury	0.030		0.0090	0.016	mg/Kg
Q2393-01	PARK AVE -1	SOIL	Nickel	34.9		0.14	2.18	mg/Kg
Q2393-01	PARK AVE -1	SOIL	Potassium	720		30.2	109	mg/Kg
Q2393-01	PARK AVE -1	SOIL	Selenium	8.65		0.28	1.09	mg/Kg
Q2393-01	PARK AVE -1	SOIL	Silver	1.00		0.13	0.55	mg/Kg
Q2393-01	PARK AVE -1	SOIL	Sodium	281		19.4	109	mg/Kg
Q2393-01	PARK AVE -1	SOIL	Vanadium	32.0		0.27	2.18	mg/Kg
Q2393-01	PARK AVE -1	SOIL	Zinc	48.6		0.12	2.18	mg/Kg
Client ID :	**PARK AVE -2**							
Q2393-03	PARK AVE -2	SOIL	Aluminum	10800		0.84	4.97	mg/Kg
Q2393-03	PARK AVE -2	SOIL	Antimony	1.42	J	0.22	2.48	mg/Kg
Q2393-03	PARK AVE -2	SOIL	Arsenic	7.60		0.19	0.99	mg/Kg
Q2393-03	PARK AVE -2	SOIL	Barium	85.4		0.73	4.97	mg/Kg
Q2393-03	PARK AVE -2	SOIL	Beryllium	0.96		0.025	0.30	mg/Kg
Q2393-03	PARK AVE -2	SOIL	Calcium	1080		11.0	99.4	mg/Kg
Q2393-03	PARK AVE -2	SOIL	Chromium	16.2		0.047	0.50	mg/Kg
Q2393-03	PARK AVE -2	SOIL	Cobalt	22.5		0.099	1.49	mg/Kg
Q2393-03	PARK AVE -2	SOIL	Copper	21.0		0.22	0.99	mg/Kg
Q2393-03	PARK AVE -2	SOIL	Iron	24600		3.97	4.97	mg/Kg
Q2393-03	PARK AVE -2	SOIL	Lead	15.3		0.13	0.60	mg/Kg
Q2393-03	PARK AVE -2	SOIL	Magnesium	4060		11.9	99.4	mg/Kg
Q2393-03	PARK AVE -2	SOIL	Manganese	736		0.14	0.99	mg/Kg
Q2393-03	PARK AVE -2	SOIL	Mercury	0.049		0.0080	0.014	mg/Kg
Q2393-03	PARK AVE -2	SOIL	Nickel	35.0		0.13	1.99	mg/Kg

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Hit Summary Sheet
SW-846

SDG No.: Q2393 **Order ID:** Q2393

Client: Union Paving & Construction Company **Project ID:** 190 Park Ave Hanover Twp NJ - PO 3556-(

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q2393-03	PARK AVE -2	SOIL	Potassium	612		27.5	99.4	mg/Kg
Q2393-03	PARK AVE -2	SOIL	Selenium	8.05		0.26	0.99	mg/Kg
Q2393-03	PARK AVE -2	SOIL	Silver	0.82		0.12	0.50	mg/Kg
Q2393-03	PARK AVE -2	SOIL	Sodium	145		17.7	99.4	mg/Kg
Q2393-03	PARK AVE -2	SOIL	Vanadium	29.3		0.25	1.99	mg/Kg
Q2393-03	PARK AVE -2	SOIL	Zinc	47.7		0.11	1.99	mg/Kg
Client ID :	**PARK AVE -3**							
Q2393-05	PARK AVE -3	SOIL	Aluminum	9240		0.80	4.75	mg/Kg
Q2393-05	PARK AVE -3	SOIL	Antimony	1.65	J	0.21	2.38	mg/Kg
Q2393-05	PARK AVE -3	SOIL	Arsenic	4.23		0.18	0.95	mg/Kg
Q2393-05	PARK AVE -3	SOIL	Barium	49.9		0.69	4.75	mg/Kg
Q2393-05	PARK AVE -3	SOIL	Beryllium	0.81		0.024	0.28	mg/Kg
Q2393-05	PARK AVE -3	SOIL	Calcium	8350		10.6	95.0	mg/Kg
Q2393-05	PARK AVE -3	SOIL	Chromium	13.9		0.045	0.48	mg/Kg
Q2393-05	PARK AVE -3	SOIL	Cobalt	12.6		0.095	1.43	mg/Kg
Q2393-05	PARK AVE -3	SOIL	Copper	17.5		0.21	0.95	mg/Kg
Q2393-05	PARK AVE -3	SOIL	Iron	19900		3.79	4.75	mg/Kg
Q2393-05	PARK AVE -3	SOIL	Lead	14.1		0.12	0.57	mg/Kg
Q2393-05	PARK AVE -3	SOIL	Magnesium	2710		11.4	95.0	mg/Kg
Q2393-05	PARK AVE -3	SOIL	Manganese	339		0.13	0.95	mg/Kg
Q2393-05	PARK AVE -3	SOIL	Mercury	0.032		0.0090	0.016	mg/Kg
Q2393-05	PARK AVE -3	SOIL	Nickel	14.6		0.12	1.90	mg/Kg
Q2393-05	PARK AVE -3	SOIL	Potassium	699		26.3	95.0	mg/Kg
Q2393-05	PARK AVE -3	SOIL	Selenium	5.60		0.25	0.95	mg/Kg
Q2393-05	PARK AVE -3	SOIL	Silver	0.53		0.11	0.48	mg/Kg
Q2393-05	PARK AVE -3	SOIL	Sodium	190		16.9	95.0	mg/Kg
Q2393-05	PARK AVE -3	SOIL	Vanadium	37.8		0.24	1.90	mg/Kg
Q2393-05	PARK AVE -3	SOIL	Zinc	34.6		0.11	1.90	mg/Kg
Client ID :	**PARK AVE -4**							
Q2393-07	PARK AVE -4	SOIL	Aluminum	8920		0.79	4.67	mg/Kg
Q2393-07	PARK AVE -4	SOIL	Antimony	1.58	J	0.21	2.34	mg/Kg
Q2393-07	PARK AVE -4	SOIL	Arsenic	3.33		0.18	0.94	mg/Kg
Q2393-07	PARK AVE -4	SOIL	Barium	45.1		0.68	4.67	mg/Kg
Q2393-07	PARK AVE -4	SOIL	Beryllium	0.72		0.023	0.28	mg/Kg
Q2393-07	PARK AVE -4	SOIL	Calcium	5700		10.4	93.5	mg/Kg
Q2393-07	PARK AVE -4	SOIL	Chromium	11.7		0.044	0.47	mg/Kg
Q2393-07	PARK AVE -4	SOIL	Cobalt	11.3		0.093	1.40	mg/Kg
Q2393-07	PARK AVE -4	SOIL	Copper	15.8		0.21	0.94	mg/Kg
Q2393-07	PARK AVE -4	SOIL	Iron	17600		3.73	4.67	mg/Kg

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Hit Summary Sheet
SW-846

SDG No.: Q2393 **Order ID:** Q2393

Client: Union Paving & Construction Company **Project ID:** 190 Park Ave Hanover Twp NJ - PO 3556-(

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q2393-07	PARK AVE -4	SOIL	Lead	12.7		0.12	0.56	mg/Kg
Q2393-07	PARK AVE -4	SOIL	Magnesium	2220		11.2	93.5	mg/Kg
Q2393-07	PARK AVE -4	SOIL	Manganese	313		0.13	0.94	mg/Kg
Q2393-07	PARK AVE -4	SOIL	Mercury	0.039		0.0080	0.014	mg/Kg
Q2393-07	PARK AVE -4	SOIL	Nickel	13.8		0.12	1.87	mg/Kg
Q2393-07	PARK AVE -4	SOIL	Potassium	633		25.9	93.5	mg/Kg
Q2393-07	PARK AVE -4	SOIL	Selenium	4.83		0.24	0.94	mg/Kg
Q2393-07	PARK AVE -4	SOIL	Silver	0.48		0.11	0.47	mg/Kg
Q2393-07	PARK AVE -4	SOIL	Sodium	172		16.6	93.5	mg/Kg
Q2393-07	PARK AVE -4	SOIL	Vanadium	31.5		0.23	1.87	mg/Kg
Q2393-07	PARK AVE -4	SOIL	Zinc	37.0		0.10	1.87	mg/Kg
Client ID :	**PARK AVE -5**							
Q2393-09	PARK AVE -5	SOIL	Aluminum	8430		0.84	4.98	mg/Kg
Q2393-09	PARK AVE -5	SOIL	Antimony	1.52	J	0.22	2.49	mg/Kg
Q2393-09	PARK AVE -5	SOIL	Arsenic	3.53		0.19	1.00	mg/Kg
Q2393-09	PARK AVE -5	SOIL	Barium	44.3		0.73	4.98	mg/Kg
Q2393-09	PARK AVE -5	SOIL	Beryllium	0.69		0.025	0.30	mg/Kg
Q2393-09	PARK AVE -5	SOIL	Calcium	5080		11.1	99.6	mg/Kg
Q2393-09	PARK AVE -5	SOIL	Chromium	11.7		0.047	0.50	mg/Kg
Q2393-09	PARK AVE -5	SOIL	Cobalt	10.4		0.10	1.49	mg/Kg
Q2393-09	PARK AVE -5	SOIL	Copper	17.6		0.22	1.00	mg/Kg
Q2393-09	PARK AVE -5	SOIL	Iron	17500		3.97	4.98	mg/Kg
Q2393-09	PARK AVE -5	SOIL	Lead	13.9		0.13	0.60	mg/Kg
Q2393-09	PARK AVE -5	SOIL	Magnesium	2550		11.9	99.6	mg/Kg
Q2393-09	PARK AVE -5	SOIL	Manganese	298		0.14	1.00	mg/Kg
Q2393-09	PARK AVE -5	SOIL	Mercury	0.025		0.0070	0.013	mg/Kg
Q2393-09	PARK AVE -5	SOIL	Nickel	13.1		0.13	1.99	mg/Kg
Q2393-09	PARK AVE -5	SOIL	Potassium	648		27.6	99.6	mg/Kg
Q2393-09	PARK AVE -5	SOIL	Selenium	4.91		0.26	1.00	mg/Kg
Q2393-09	PARK AVE -5	SOIL	Silver	0.56		0.12	0.50	mg/Kg
Q2393-09	PARK AVE -5	SOIL	Sodium	186		17.7	99.6	mg/Kg
Q2393-09	PARK AVE -5	SOIL	Vanadium	31.7		0.25	1.99	mg/Kg
Q2393-09	PARK AVE -5	SOIL	Zinc	32.4		0.11	1.99	mg/Kg
Client ID :	**PARK AVE -6**							
Q2393-11	PARK AVE -6	SOIL	Aluminum	8830		0.86	5.14	mg/Kg
Q2393-11	PARK AVE -6	SOIL	Antimony	2.40	J	0.23	2.57	mg/Kg
Q2393-11	PARK AVE -6	SOIL	Arsenic	4.93		0.20	1.03	mg/Kg
Q2393-11	PARK AVE -6	SOIL	Barium	49.4		0.75	5.14	mg/Kg
Q2393-11	PARK AVE -6	SOIL	Beryllium	0.96		0.026	0.31	mg/Kg

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Fax : 908 789 8922

Hit Summary Sheet
SW-846

SDG No.: Q2393 **Order ID:** Q2393

Client: Union Paving & Construction Company **Project ID:** 190 Park Ave Hanover Twp NJ - PO 3556-(

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q2393-11	PARK AVE -6	SOIL	Calcium	6090		11.4	103	mg/Kg
Q2393-11	PARK AVE -6	SOIL	Chromium	17.9		0.048	0.51	mg/Kg
Q2393-11	PARK AVE -6	SOIL	Cobalt	12.7		0.10	1.54	mg/Kg
Q2393-11	PARK AVE -6	SOIL	Copper	29.5		0.23	1.03	mg/Kg
Q2393-11	PARK AVE -6	SOIL	Iron	37800		4.10	5.14	mg/Kg
Q2393-11	PARK AVE -6	SOIL	Lead	15.5		0.13	0.62	mg/Kg
Q2393-11	PARK AVE -6	SOIL	Magnesium	2600		12.3	103	mg/Kg
Q2393-11	PARK AVE -6	SOIL	Manganese	575		0.14	1.03	mg/Kg
Q2393-11	PARK AVE -6	SOIL	Mercury	0.029		0.0080	0.015	mg/Kg
Q2393-11	PARK AVE -6	SOIL	Nickel	21.3		0.13	2.06	mg/Kg
Q2393-11	PARK AVE -6	SOIL	Potassium	692		28.5	103	mg/Kg
Q2393-11	PARK AVE -6	SOIL	Selenium	11.5		0.27	1.03	mg/Kg
Q2393-11	PARK AVE -6	SOIL	Silver	1.34		0.12	0.51	mg/Kg
Q2393-11	PARK AVE -6	SOIL	Sodium	363		18.3	103	mg/Kg
Q2393-11	PARK AVE -6	SOIL	Vanadium	34.8		0.26	2.06	mg/Kg
Q2393-11	PARK AVE -6	SOIL	Zinc	38.0		0.11	2.06	mg/Kg

SAMPLE DATA

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 3556-001	Date Received:	06/23/25
Client Sample ID:	PARK AVE -1	SDG No.:	Q2393
Lab Sample ID:	Q2393-01	Matrix:	SOIL
Level (low/med):	low	% Solid:	83.3

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	11200		1	0.92	5.46	mg/Kg	06/24/25 13:15	06/27/25 16:13	6010D	SW3050
7440-36-0	Antimony	1.60	JN*	1	0.24	2.73	mg/Kg	06/24/25 13:15	06/27/25 16:13	6010D	SW3050
7440-38-2	Arsenic	8.14	*	1	0.21	1.09	mg/Kg	06/24/25 13:15	06/27/25 16:13	6010D	SW3050
7440-39-3	Barium	76.0		1	0.80	5.46	mg/Kg	06/24/25 13:15	06/27/25 16:13	6010D	SW3050
7440-41-7	Beryllium	1.02	N	1	0.027	0.33	mg/Kg	06/24/25 13:15	06/27/25 16:13	6010D	SW3050
7440-43-9	Cadmium	0.026	U	1	0.026	0.33	mg/Kg	06/24/25 13:15	06/27/25 16:13	6010D	SW3050
7440-70-2	Calcium	1310	*	1	12.1	109	mg/Kg	06/24/25 13:15	06/27/25 16:13	6010D	SW3050
7440-47-3	Chromium	17.8	N*	1	0.051	0.55	mg/Kg	06/24/25 13:15	06/27/25 16:13	6010D	SW3050
7440-48-4	Cobalt	18.6	N	1	0.11	1.64	mg/Kg	06/24/25 13:15	06/27/25 16:13	6010D	SW3050
7440-50-8	Copper	22.6	N*	1	0.24	1.09	mg/Kg	06/24/25 13:15	06/27/25 16:13	6010D	SW3050
7439-89-6	Iron	26200	*	1	4.35	5.46	mg/Kg	06/24/25 13:15	06/27/25 16:13	6010D	SW3050
7439-92-1	Lead	15.2		1	0.14	0.66	mg/Kg	06/24/25 13:15	06/27/25 16:13	6010D	SW3050
7439-95-4	Magnesium	4410		1	13.1	109	mg/Kg	06/24/25 13:15	06/27/25 16:13	6010D	SW3050
7439-96-5	Manganese	527	*	1	0.15	1.09	mg/Kg	06/24/25 13:15	06/27/25 16:13	6010D	SW3050
7439-97-6	Mercury	0.030		1	0.0090	0.016	mg/Kg	06/24/25 15:35	06/26/25 10:28	7471B	
7440-02-0	Nickel	34.9	N*	1	0.14	2.18	mg/Kg	06/24/25 13:15	06/27/25 16:13	6010D	SW3050
7440-09-7	Potassium	720	N	1	30.2	109	mg/Kg	06/24/25 13:15	06/27/25 16:13	6010D	SW3050
7782-49-2	Selenium	8.65	N*	1	0.28	1.09	mg/Kg	06/24/25 13:15	06/27/25 16:13	6010D	SW3050
7440-22-4	Silver	1.00	N*	1	0.13	0.55	mg/Kg	06/24/25 13:15	06/27/25 16:13	6010D	SW3050
7440-23-5	Sodium	281	N	1	19.4	109	mg/Kg	06/24/25 13:15	06/27/25 16:13	6010D	SW3050
7440-28-0	Thallium	0.25	U	1	0.25	2.18	mg/Kg	06/24/25 13:15	06/27/25 16:13	6010D	SW3050
7440-62-2	Vanadium	32.0	N	1	0.27	2.18	mg/Kg	06/24/25 13:15	06/27/25 16:13	6010D	SW3050
7440-66-6	Zinc	48.6	N	1	0.12	2.18	mg/Kg	06/24/25 13:15	06/27/25 16:13	6010D	SW3050

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	
Comments:	Mercury				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 3556-001	Date Received:	06/23/25
Client Sample ID:	PARK AVE -2	SDG No.:	Q2393
Lab Sample ID:	Q2393-03	Matrix:	SOIL
Level (low/med):	low	% Solid:	83.5

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	10800		1	0.84	4.97	mg/Kg	06/24/25 13:15	06/27/25 16:17	6010D	SW3050
7440-36-0	Antimony	1.42	JN*	1	0.22	2.48	mg/Kg	06/24/25 13:15	06/27/25 16:17	6010D	SW3050
7440-38-2	Arsenic	7.60	*	1	0.19	0.99	mg/Kg	06/24/25 13:15	06/27/25 16:17	6010D	SW3050
7440-39-3	Barium	85.4		1	0.73	4.97	mg/Kg	06/24/25 13:15	06/27/25 16:17	6010D	SW3050
7440-41-7	Beryllium	0.96	N	1	0.025	0.30	mg/Kg	06/24/25 13:15	06/27/25 16:17	6010D	SW3050
7440-43-9	Cadmium	0.024	U	1	0.024	0.30	mg/Kg	06/24/25 13:15	06/27/25 16:17	6010D	SW3050
7440-70-2	Calcium	1080	*	1	11.0	99.4	mg/Kg	06/24/25 13:15	06/27/25 16:17	6010D	SW3050
7440-47-3	Chromium	16.2	N*	1	0.047	0.50	mg/Kg	06/24/25 13:15	06/27/25 16:17	6010D	SW3050
7440-48-4	Cobalt	22.5	N	1	0.099	1.49	mg/Kg	06/24/25 13:15	06/27/25 16:17	6010D	SW3050
7440-50-8	Copper	21.0	N*	1	0.22	0.99	mg/Kg	06/24/25 13:15	06/27/25 16:17	6010D	SW3050
7439-89-6	Iron	24600	*	1	3.97	4.97	mg/Kg	06/24/25 13:15	06/27/25 16:17	6010D	SW3050
7439-92-1	Lead	15.3		1	0.13	0.60	mg/Kg	06/24/25 13:15	06/27/25 16:17	6010D	SW3050
7439-95-4	Magnesium	4060		1	11.9	99.4	mg/Kg	06/24/25 13:15	06/27/25 16:17	6010D	SW3050
7439-96-5	Manganese	736	*	1	0.14	0.99	mg/Kg	06/24/25 13:15	06/27/25 16:17	6010D	SW3050
7439-97-6	Mercury	0.049		1	0.0080	0.014	mg/Kg	06/24/25 15:35	06/26/25 10:30	7471B	
7440-02-0	Nickel	35.0	N*	1	0.13	1.99	mg/Kg	06/24/25 13:15	06/27/25 16:17	6010D	SW3050
7440-09-7	Potassium	612	N	1	27.5	99.4	mg/Kg	06/24/25 13:15	06/27/25 16:17	6010D	SW3050
7782-49-2	Selenium	8.05	N*	1	0.26	0.99	mg/Kg	06/24/25 13:15	06/27/25 16:17	6010D	SW3050
7440-22-4	Silver	0.82	N*	1	0.12	0.50	mg/Kg	06/24/25 13:15	06/27/25 16:17	6010D	SW3050
7440-23-5	Sodium	145	N	1	17.7	99.4	mg/Kg	06/24/25 13:15	06/27/25 16:17	6010D	SW3050
7440-28-0	Thallium	0.23	U	1	0.23	1.99	mg/Kg	06/24/25 13:15	06/27/25 16:17	6010D	SW3050
7440-62-2	Vanadium	29.3	N	1	0.25	1.99	mg/Kg	06/24/25 13:15	06/27/25 16:17	6010D	SW3050
7440-66-6	Zinc	47.7	N	1	0.11	1.99	mg/Kg	06/24/25 13:15	06/27/25 16:17	6010D	SW3050

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	
Comments:	Mercury				

U = Not Detected
LOQ = Limit of Quantitation
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Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 3556-001	Date Received:	06/23/25
Client Sample ID:	PARK AVE -3	SDG No.:	Q2393
Lab Sample ID:	Q2393-05	Matrix:	SOIL
Level (low/med):	low	% Solid:	86.6

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	9240		1	0.80	4.75	mg/Kg	06/24/25 13:15	06/27/25 16:22	6010D	SW3050
7440-36-0	Antimony	1.65	JN*	1	0.21	2.38	mg/Kg	06/24/25 13:15	06/27/25 16:22	6010D	SW3050
7440-38-2	Arsenic	4.23	*	1	0.18	0.95	mg/Kg	06/24/25 13:15	06/27/25 16:22	6010D	SW3050
7440-39-3	Barium	49.9		1	0.69	4.75	mg/Kg	06/24/25 13:15	06/27/25 16:22	6010D	SW3050
7440-41-7	Beryllium	0.81	N	1	0.024	0.28	mg/Kg	06/24/25 13:15	06/27/25 16:22	6010D	SW3050
7440-43-9	Cadmium	0.023	U	1	0.023	0.28	mg/Kg	06/24/25 13:15	06/27/25 16:22	6010D	SW3050
7440-70-2	Calcium	8350	*	1	10.6	95.0	mg/Kg	06/24/25 13:15	06/27/25 16:22	6010D	SW3050
7440-47-3	Chromium	13.9	N*	1	0.045	0.48	mg/Kg	06/24/25 13:15	06/27/25 16:22	6010D	SW3050
7440-48-4	Cobalt	12.6	N	1	0.095	1.43	mg/Kg	06/24/25 13:15	06/27/25 16:22	6010D	SW3050
7440-50-8	Copper	17.5	N*	1	0.21	0.95	mg/Kg	06/24/25 13:15	06/27/25 16:22	6010D	SW3050
7439-89-6	Iron	19900	*	1	3.79	4.75	mg/Kg	06/24/25 13:15	06/27/25 16:22	6010D	SW3050
7439-92-1	Lead	14.1		1	0.12	0.57	mg/Kg	06/24/25 13:15	06/27/25 16:22	6010D	SW3050
7439-95-4	Magnesium	2710		1	11.4	95.0	mg/Kg	06/24/25 13:15	06/27/25 16:22	6010D	SW3050
7439-96-5	Manganese	339	*	1	0.13	0.95	mg/Kg	06/24/25 13:15	06/27/25 16:22	6010D	SW3050
7439-97-6	Mercury	0.032		1	0.0090	0.016	mg/Kg	06/24/25 15:35	06/26/25 10:32	7471B	
7440-02-0	Nickel	14.6	N*	1	0.12	1.90	mg/Kg	06/24/25 13:15	06/27/25 16:22	6010D	SW3050
7440-09-7	Potassium	699	N	1	26.3	95.0	mg/Kg	06/24/25 13:15	06/27/25 16:22	6010D	SW3050
7782-49-2	Selenium	5.60	N*	1	0.25	0.95	mg/Kg	06/24/25 13:15	06/27/25 16:22	6010D	SW3050
7440-22-4	Silver	0.53	N*	1	0.11	0.48	mg/Kg	06/24/25 13:15	06/27/25 16:22	6010D	SW3050
7440-23-5	Sodium	190	N	1	16.9	95.0	mg/Kg	06/24/25 13:15	06/27/25 16:22	6010D	SW3050
7440-28-0	Thallium	0.22	U	1	0.22	1.90	mg/Kg	06/24/25 13:15	06/27/25 16:22	6010D	SW3050
7440-62-2	Vanadium	37.8	N	1	0.24	1.90	mg/Kg	06/24/25 13:15	06/27/25 16:22	6010D	SW3050
7440-66-6	Zinc	34.6	N	1	0.11	1.90	mg/Kg	06/24/25 13:15	06/27/25 16:22	6010D	SW3050

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	
Comments:	Mercury				

U = Not Detected
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Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 3556-001	Date Received:	06/23/25
Client Sample ID:	PARK AVE -4	SDG No.:	Q2393
Lab Sample ID:	Q2393-07	Matrix:	SOIL
Level (low/med):	low	% Solid:	87.7

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	8920		1	0.79	4.67	mg/Kg	06/24/25 13:15	06/27/25 16:26	6010D	SW3050
7440-36-0	Antimony	1.58	JN*	1	0.21	2.34	mg/Kg	06/24/25 13:15	06/27/25 16:26	6010D	SW3050
7440-38-2	Arsenic	3.33	*	1	0.18	0.94	mg/Kg	06/24/25 13:15	06/27/25 16:26	6010D	SW3050
7440-39-3	Barium	45.1		1	0.68	4.67	mg/Kg	06/24/25 13:15	06/27/25 16:26	6010D	SW3050
7440-41-7	Beryllium	0.72	N	1	0.023	0.28	mg/Kg	06/24/25 13:15	06/27/25 16:26	6010D	SW3050
7440-43-9	Cadmium	0.022	U	1	0.022	0.28	mg/Kg	06/24/25 13:15	06/27/25 16:26	6010D	SW3050
7440-70-2	Calcium	5700	*	1	10.4	93.5	mg/Kg	06/24/25 13:15	06/27/25 16:26	6010D	SW3050
7440-47-3	Chromium	11.7	N*	1	0.044	0.47	mg/Kg	06/24/25 13:15	06/27/25 16:26	6010D	SW3050
7440-48-4	Cobalt	11.3	N	1	0.093	1.40	mg/Kg	06/24/25 13:15	06/27/25 16:26	6010D	SW3050
7440-50-8	Copper	15.8	N*	1	0.21	0.94	mg/Kg	06/24/25 13:15	06/27/25 16:26	6010D	SW3050
7439-89-6	Iron	17600	*	1	3.73	4.67	mg/Kg	06/24/25 13:15	06/27/25 16:26	6010D	SW3050
7439-92-1	Lead	12.7		1	0.12	0.56	mg/Kg	06/24/25 13:15	06/27/25 16:26	6010D	SW3050
7439-95-4	Magnesium	2220		1	11.2	93.5	mg/Kg	06/24/25 13:15	06/27/25 16:26	6010D	SW3050
7439-96-5	Manganese	313	*	1	0.13	0.94	mg/Kg	06/24/25 13:15	06/27/25 16:26	6010D	SW3050
7439-97-6	Mercury	0.039		1	0.0080	0.014	mg/Kg	06/24/25 15:35	06/26/25 10:34	7471B	
7440-02-0	Nickel	13.8	N*	1	0.12	1.87	mg/Kg	06/24/25 13:15	06/27/25 16:26	6010D	SW3050
7440-09-7	Potassium	633	N	1	25.9	93.5	mg/Kg	06/24/25 13:15	06/27/25 16:26	6010D	SW3050
7782-49-2	Selenium	4.83	N*	1	0.24	0.94	mg/Kg	06/24/25 13:15	06/27/25 16:26	6010D	SW3050
7440-22-4	Silver	0.48	N*	1	0.11	0.47	mg/Kg	06/24/25 13:15	06/27/25 16:26	6010D	SW3050
7440-23-5	Sodium	172	N	1	16.6	93.5	mg/Kg	06/24/25 13:15	06/27/25 16:26	6010D	SW3050
7440-28-0	Thallium	0.22	U	1	0.22	1.87	mg/Kg	06/24/25 13:15	06/27/25 16:26	6010D	SW3050
7440-62-2	Vanadium	31.5	N	1	0.23	1.87	mg/Kg	06/24/25 13:15	06/27/25 16:26	6010D	SW3050
7440-66-6	Zinc	37.0	N	1	0.10	1.87	mg/Kg	06/24/25 13:15	06/27/25 16:26	6010D	SW3050

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	
Comments:	Mercury				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
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Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 3556-001	Date Received:	06/23/25
Client Sample ID:	PARK AVE -5	SDG No.:	Q2393
Lab Sample ID:	Q2393-09	Matrix:	SOIL
Level (low/med):	low	% Solid:	91.3

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	8430		1	0.84	4.98	mg/Kg	06/24/25 13:15	06/27/25 16:30	6010D	SW3050
7440-36-0	Antimony	1.52	JN*	1	0.22	2.49	mg/Kg	06/24/25 13:15	06/27/25 16:30	6010D	SW3050
7440-38-2	Arsenic	3.53	*	1	0.19	1.00	mg/Kg	06/24/25 13:15	06/27/25 16:30	6010D	SW3050
7440-39-3	Barium	44.3		1	0.73	4.98	mg/Kg	06/24/25 13:15	06/27/25 16:30	6010D	SW3050
7440-41-7	Beryllium	0.69	N	1	0.025	0.30	mg/Kg	06/24/25 13:15	06/27/25 16:30	6010D	SW3050
7440-43-9	Cadmium	0.024	U	1	0.024	0.30	mg/Kg	06/24/25 13:15	06/27/25 16:30	6010D	SW3050
7440-70-2	Calcium	5080	*	1	11.1	99.6	mg/Kg	06/24/25 13:15	06/27/25 16:30	6010D	SW3050
7440-47-3	Chromium	11.7	N*	1	0.047	0.50	mg/Kg	06/24/25 13:15	06/27/25 16:30	6010D	SW3050
7440-48-4	Cobalt	10.4	N	1	0.10	1.49	mg/Kg	06/24/25 13:15	06/27/25 16:30	6010D	SW3050
7440-50-8	Copper	17.6	N*	1	0.22	1.00	mg/Kg	06/24/25 13:15	06/27/25 16:30	6010D	SW3050
7439-89-6	Iron	17500	*	1	3.97	4.98	mg/Kg	06/24/25 13:15	06/27/25 16:30	6010D	SW3050
7439-92-1	Lead	13.9		1	0.13	0.60	mg/Kg	06/24/25 13:15	06/27/25 16:30	6010D	SW3050
7439-95-4	Magnesium	2550		1	11.9	99.6	mg/Kg	06/24/25 13:15	06/27/25 16:30	6010D	SW3050
7439-96-5	Manganese	298	*	1	0.14	1.00	mg/Kg	06/24/25 13:15	06/27/25 16:30	6010D	SW3050
7439-97-6	Mercury	0.025		1	0.0070	0.013	mg/Kg	06/24/25 15:35	06/26/25 10:41	7471B	
7440-02-0	Nickel	13.1	N*	1	0.13	1.99	mg/Kg	06/24/25 13:15	06/27/25 16:30	6010D	SW3050
7440-09-7	Potassium	648	N	1	27.6	99.6	mg/Kg	06/24/25 13:15	06/27/25 16:30	6010D	SW3050
7782-49-2	Selenium	4.91	N*	1	0.26	1.00	mg/Kg	06/24/25 13:15	06/27/25 16:30	6010D	SW3050
7440-22-4	Silver	0.56	N*	1	0.12	0.50	mg/Kg	06/24/25 13:15	06/27/25 16:30	6010D	SW3050
7440-23-5	Sodium	186	N	1	17.7	99.6	mg/Kg	06/24/25 13:15	06/27/25 16:30	6010D	SW3050
7440-28-0	Thallium	0.23	U	1	0.23	1.99	mg/Kg	06/24/25 13:15	06/27/25 16:30	6010D	SW3050
7440-62-2	Vanadium	31.7	N	1	0.25	1.99	mg/Kg	06/24/25 13:15	06/27/25 16:30	6010D	SW3050
7440-66-6	Zinc	32.4	N	1	0.11	1.99	mg/Kg	06/24/25 13:15	06/27/25 16:30	6010D	SW3050

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	
Comments:	Mercury				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 3556-001	Date Received:	06/23/25
Client Sample ID:	PARK AVE -6	SDG No.:	Q2393
Lab Sample ID:	Q2393-11	Matrix:	SOIL
Level (low/med):	low	% Solid:	86.8

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	8830		1	0.86	5.14	mg/Kg	06/24/25 13:15	06/27/25 16:35	6010D	SW3050
7440-36-0	Antimony	2.40	JN*	1	0.23	2.57	mg/Kg	06/24/25 13:15	06/27/25 16:35	6010D	SW3050
7440-38-2	Arsenic	4.93	*	1	0.20	1.03	mg/Kg	06/24/25 13:15	06/27/25 16:35	6010D	SW3050
7440-39-3	Barium	49.4		1	0.75	5.14	mg/Kg	06/24/25 13:15	06/27/25 16:35	6010D	SW3050
7440-41-7	Beryllium	0.96	N	1	0.026	0.31	mg/Kg	06/24/25 13:15	06/27/25 16:35	6010D	SW3050
7440-43-9	Cadmium	0.025	U	1	0.025	0.31	mg/Kg	06/24/25 13:15	06/27/25 16:35	6010D	SW3050
7440-70-2	Calcium	6090	*	1	11.4	103	mg/Kg	06/24/25 13:15	06/27/25 16:35	6010D	SW3050
7440-47-3	Chromium	17.9	N*	1	0.048	0.51	mg/Kg	06/24/25 13:15	06/27/25 16:35	6010D	SW3050
7440-48-4	Cobalt	12.7	N	1	0.10	1.54	mg/Kg	06/24/25 13:15	06/27/25 16:35	6010D	SW3050
7440-50-8	Copper	29.5	N*	1	0.23	1.03	mg/Kg	06/24/25 13:15	06/27/25 16:35	6010D	SW3050
7439-89-6	Iron	37800	*	1	4.10	5.14	mg/Kg	06/24/25 13:15	06/27/25 16:35	6010D	SW3050
7439-92-1	Lead	15.5		1	0.13	0.62	mg/Kg	06/24/25 13:15	06/27/25 16:35	6010D	SW3050
7439-95-4	Magnesium	2600		1	12.3	103	mg/Kg	06/24/25 13:15	06/27/25 16:35	6010D	SW3050
7439-96-5	Manganese	575	*	1	0.14	1.03	mg/Kg	06/24/25 13:15	06/27/25 16:35	6010D	SW3050
7439-97-6	Mercury	0.029		1	0.0080	0.015	mg/Kg	06/24/25 15:35	06/26/25 10:44	7471B	
7440-02-0	Nickel	21.3	N*	1	0.13	2.06	mg/Kg	06/24/25 13:15	06/27/25 16:35	6010D	SW3050
7440-09-7	Potassium	692	N	1	28.5	103	mg/Kg	06/24/25 13:15	06/27/25 16:35	6010D	SW3050
7782-49-2	Selenium	11.5	N*	1	0.27	1.03	mg/Kg	06/24/25 13:15	06/27/25 16:35	6010D	SW3050
7440-22-4	Silver	1.34	N*	1	0.12	0.51	mg/Kg	06/24/25 13:15	06/27/25 16:35	6010D	SW3050
7440-23-5	Sodium	363	N	1	18.3	103	mg/Kg	06/24/25 13:15	06/27/25 16:35	6010D	SW3050
7440-28-0	Thallium	0.24	U	1	0.24	2.06	mg/Kg	06/24/25 13:15	06/27/25 16:35	6010D	SW3050
7440-62-2	Vanadium	34.8	N	1	0.26	2.06	mg/Kg	06/24/25 13:15	06/27/25 16:35	6010D	SW3050
7440-66-6	Zinc	38.0	N	1	0.11	2.06	mg/Kg	06/24/25 13:15	06/27/25 16:35	6010D	SW3050

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	
Comments:	Mercury				

U = Not Detected
LOQ = Limit of Quantitation
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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Union Paving & Construction Company **SDG No.:** Q2393

Contract: UNIO02 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB06	Mercury	0.076	+/-0.2	U	0.20	CV	06/26/2025	10:07	LB136362

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Metals

- 3a -

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Client: Union Paving & Construction Company **SDG No.:** Q2393

Contract: UNIO02 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB16	Mercury	0.076	+/-0.2	U	0.20	CV	06/26/2025	10:11	LB136362
CCB17	Mercury	0.076	+/-0.2	U	0.20	CV	06/26/2025	10:39	LB136362
CCB18	Mercury	0.076	+/-0.2	U	0.20	CV	06/26/2025	11:09	LB136362
CCB19	Mercury	0.076	+/-0.2	U	0.20	CV	06/26/2025	11:30	LB136362

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Union Paving & Construction Company **SDG No.:** Q2393

Contract: UNIO02 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Aluminum	11.3	+/-50	U	100	P	06/27/2025	12:54	LB136319
	Antimony	6.76	+/-25	U	50.0	P	06/27/2025	12:54	LB136319
	Arsenic	5.12	+/-10	U	20.0	P	06/27/2025	12:54	LB136319
	Barium	14.6	+/-50	U	100	P	06/27/2025	12:54	LB136319
	Beryllium	0.56	+/-3	U	6.00	P	06/27/2025	12:54	LB136319
	Cadmium	0.50	+/-3	U	6.00	P	06/27/2025	12:54	LB136319
	Calcium	234	+/-1000	U	2000	P	06/27/2025	12:54	LB136319
	Chromium	2.12	+/-5	U	10.0	P	06/27/2025	12:54	LB136319
	Cobalt	2.26	+/-15	U	30.0	P	06/27/2025	12:54	LB136319
	Copper	4.60	+/-10	U	20.0	P	06/27/2025	12:54	LB136319
	Iron	23.4	+/-50	U	100	P	06/27/2025	12:54	LB136319
	Lead	2.30	+/-6	U	12.0	P	06/27/2025	12:54	LB136319
	Magnesium	244	+/-1000	U	2000	P	06/27/2025	12:54	LB136319
	Manganese	5.94	+/-10	U	20.0	P	06/27/2025	12:54	LB136319
	Nickel	3.06	+/-20	U	40.0	P	06/27/2025	12:54	LB136319
	Potassium	918	+/-1000	U	2000	P	06/27/2025	12:54	LB136319
	Selenium	9.64	+/-10	U	20.0	P	06/27/2025	12:54	LB136319
	Silver	1.62	+/-5	U	10.0	P	06/27/2025	12:54	LB136319
	Sodium	868	+/-1000	U	2000	P	06/27/2025	12:54	LB136319
	Thallium	4.38	+/-20	U	40.0	P	06/27/2025	12:54	LB136319
	Vanadium	6.26	+/-20	U	40.0	P	06/27/2025	12:54	LB136319
	Zinc	3.50	+/-20	U	40.0	P	06/27/2025	12:54	LB136319

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Metals

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Contract: UNIO02 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Aluminum	11.3	+/-50	U	100	P	06/27/2025	13:31	LB136319
	Antimony	6.76	+/-25	U	50.0	P	06/27/2025	13:31	LB136319
	Arsenic	5.12	+/-10	U	20.0	P	06/27/2025	13:31	LB136319
	Barium	14.6	+/-50	U	100	P	06/27/2025	13:31	LB136319
	Beryllium	0.56	+/-3	U	6.00	P	06/27/2025	13:31	LB136319
	Cadmium	0.50	+/-3	U	6.00	P	06/27/2025	13:31	LB136319
	Calcium	234	+/-1000	U	2000	P	06/27/2025	13:31	LB136319
	Chromium	2.12	+/-5	U	10.0	P	06/27/2025	13:31	LB136319
	Cobalt	2.26	+/-15	U	30.0	P	06/27/2025	13:31	LB136319
	Copper	4.60	+/-10	U	20.0	P	06/27/2025	13:31	LB136319
	Iron	23.4	+/-50	U	100	P	06/27/2025	13:31	LB136319
	Lead	2.30	+/-6	U	12.0	P	06/27/2025	13:31	LB136319
	Magnesium	244	+/-1000	U	2000	P	06/27/2025	13:31	LB136319
	Manganese	5.94	+/-10	U	20.0	P	06/27/2025	13:31	LB136319
	Nickel	3.06	+/-20	U	40.0	P	06/27/2025	13:31	LB136319
	Potassium	918	+/-1000	U	2000	P	06/27/2025	13:31	LB136319
	Selenium	9.64	+/-10	U	20.0	P	06/27/2025	13:31	LB136319
	Silver	1.62	+/-5	U	10.0	P	06/27/2025	13:31	LB136319
	Sodium	868	+/-1000	U	2000	P	06/27/2025	13:31	LB136319
	Thallium	4.38	+/-20	U	40.0	P	06/27/2025	13:31	LB136319
	Vanadium	6.26	+/-20	U	40.0	P	06/27/2025	13:31	LB136319
	Zinc	3.50	+/-20	U	40.0	P	06/27/2025	13:31	LB136319
CCB02	Aluminum	11.3	+/-50	U	100	P	06/27/2025	14:24	LB136319
	Antimony	6.76	+/-25	U	50.0	P	06/27/2025	14:24	LB136319
	Arsenic	5.12	+/-10	U	20.0	P	06/27/2025	14:24	LB136319
	Barium	14.6	+/-50	U	100	P	06/27/2025	14:24	LB136319
	Beryllium	0.56	+/-3	U	6.00	P	06/27/2025	14:24	LB136319
	Cadmium	0.50	+/-3	U	6.00	P	06/27/2025	14:24	LB136319
	Calcium	234	+/-1000	U	2000	P	06/27/2025	14:24	LB136319
	Chromium	2.12	+/-5	U	10.0	P	06/27/2025	14:24	LB136319
	Cobalt	2.26	+/-15	U	30.0	P	06/27/2025	14:24	LB136319
	Copper	4.60	+/-10	U	20.0	P	06/27/2025	14:24	LB136319
	Iron	23.4	+/-50	U	100	P	06/27/2025	14:24	LB136319
	Lead	2.30	+/-6	U	12.0	P	06/27/2025	14:24	LB136319
	Magnesium	244	+/-1000	U	2000	P	06/27/2025	14:24	LB136319
	Manganese	5.94	+/-10	U	20.0	P	06/27/2025	14:24	LB136319
	Nickel	3.06	+/-20	U	40.0	P	06/27/2025	14:24	LB136319
	Potassium	918	+/-1000	U	2000	P	06/27/2025	14:24	LB136319
	Selenium	9.64	+/-10	U	20.0	P	06/27/2025	14:24	LB136319

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Union Paving & Construction Company **SDG No.:** Q2393

Contract: UNIO02 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB02	Silver	1.62	+/-5	U	10.0	P	06/27/2025	14:24	LB136319
	Sodium	868	+/-1000	U	2000	P	06/27/2025	14:24	LB136319
	Thallium	4.38	+/-20	U	40.0	P	06/27/2025	14:24	LB136319
	Vanadium	6.26	+/-20	U	40.0	P	06/27/2025	14:24	LB136319
	Zinc	3.50	+/-20	U	40.0	P	06/27/2025	14:24	LB136319
CCB03	Aluminum	11.3	+/-50	U	100	P	06/27/2025	15:16	LB136319
	Antimony	6.76	+/-25	U	50.0	P	06/27/2025	15:16	LB136319
	Arsenic	5.12	+/-10	U	20.0	P	06/27/2025	15:16	LB136319
	Barium	14.6	+/-50	U	100	P	06/27/2025	15:16	LB136319
	Beryllium	0.56	+/-3	U	6.00	P	06/27/2025	15:16	LB136319
	Cadmium	0.50	+/-3	U	6.00	P	06/27/2025	15:16	LB136319
	Calcium	234	+/-1000	U	2000	P	06/27/2025	15:16	LB136319
	Chromium	2.12	+/-5	U	10.0	P	06/27/2025	15:16	LB136319
	Cobalt	2.26	+/-15	U	30.0	P	06/27/2025	15:16	LB136319
	Copper	4.60	+/-10	U	20.0	P	06/27/2025	15:16	LB136319
	Iron	23.4	+/-50	U	100	P	06/27/2025	15:16	LB136319
	Lead	2.30	+/-6	U	12.0	P	06/27/2025	15:16	LB136319
	Magnesium	244	+/-1000	U	2000	P	06/27/2025	15:16	LB136319
	Manganese	5.94	+/-10	U	20.0	P	06/27/2025	15:16	LB136319
	Nickel	3.06	+/-20	U	40.0	P	06/27/2025	15:16	LB136319
	Potassium	918	+/-1000	U	2000	P	06/27/2025	15:16	LB136319
	Selenium	9.64	+/-10	U	20.0	P	06/27/2025	15:16	LB136319
	Silver	1.62	+/-5	U	10.0	P	06/27/2025	15:16	LB136319
	Sodium	868	+/-1000	U	2000	P	06/27/2025	15:16	LB136319
	Thallium	4.38	+/-20	U	40.0	P	06/27/2025	15:16	LB136319
	Vanadium	6.26	+/-20	U	40.0	P	06/27/2025	15:16	LB136319
	Zinc	3.50	+/-20	U	40.0	P	06/27/2025	15:16	LB136319
CCB04	Aluminum	11.3	+/-50	U	100	P	06/27/2025	16:09	LB136319
	Antimony	6.76	+/-25	U	50.0	P	06/27/2025	16:09	LB136319
	Arsenic	5.12	+/-10	U	20.0	P	06/27/2025	16:09	LB136319
	Barium	14.6	+/-50	U	100	P	06/27/2025	16:09	LB136319
	Beryllium	0.56	+/-3	U	6.00	P	06/27/2025	16:09	LB136319
	Cadmium	0.50	+/-3	U	6.00	P	06/27/2025	16:09	LB136319
	Calcium	234	+/-1000	U	2000	P	06/27/2025	16:09	LB136319
	Chromium	2.12	+/-5	U	10.0	P	06/27/2025	16:09	LB136319
	Cobalt	2.26	+/-15	U	30.0	P	06/27/2025	16:09	LB136319
	Copper	4.60	+/-10	U	20.0	P	06/27/2025	16:09	LB136319
	Iron	23.4	+/-50	U	100	P	06/27/2025	16:09	LB136319
	Lead	2.30	+/-6	U	12.0	P	06/27/2025	16:09	LB136319

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Union Paving & Construction Company **SDG No.:** Q2393

Contract: UNIO02 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB04	Magnesium	244	+/-1000	U	2000	P	06/27/2025	16:09	LB136319
	Manganese	5.94	+/-10	U	20.0	P	06/27/2025	16:09	LB136319
	Nickel	3.06	+/-20	U	40.0	P	06/27/2025	16:09	LB136319
	Potassium	918	+/-1000	U	2000	P	06/27/2025	16:09	LB136319
	Selenium	9.64	+/-10	U	20.0	P	06/27/2025	16:09	LB136319
	Silver	1.62	+/-5	U	10.0	P	06/27/2025	16:09	LB136319
	Sodium	868	+/-1000	U	2000	P	06/27/2025	16:09	LB136319
	Thallium	4.38	+/-20	U	40.0	P	06/27/2025	16:09	LB136319
	Vanadium	6.26	+/-20	U	40.0	P	06/27/2025	16:09	LB136319
	Zinc	3.50	+/-20	U	40.0	P	06/27/2025	16:09	LB136319
CCB05	Aluminum	11.3	+/-50	U	100	P	06/27/2025	17:01	LB136319
	Antimony	6.76	+/-25	U	50.0	P	06/27/2025	17:01	LB136319
	Arsenic	5.12	+/-10	U	20.0	P	06/27/2025	17:01	LB136319
	Barium	14.6	+/-50	U	100	P	06/27/2025	17:01	LB136319
	Beryllium	0.56	+/-3	U	6.00	P	06/27/2025	17:01	LB136319
	Cadmium	0.50	+/-3	U	6.00	P	06/27/2025	17:01	LB136319
	Calcium	234	+/-1000	U	2000	P	06/27/2025	17:01	LB136319
	Chromium	2.12	+/-5	U	10.0	P	06/27/2025	17:01	LB136319
	Cobalt	2.26	+/-15	U	30.0	P	06/27/2025	17:01	LB136319
	Copper	4.60	+/-10	U	20.0	P	06/27/2025	17:01	LB136319
	Iron	23.4	+/-50	U	100	P	06/27/2025	17:01	LB136319
	Lead	2.30	+/-6	U	12.0	P	06/27/2025	17:01	LB136319
	Magnesium	244	+/-1000	U	2000	P	06/27/2025	17:01	LB136319
	Manganese	5.94	+/-10	U	20.0	P	06/27/2025	17:01	LB136319
	Nickel	3.06	+/-20	U	40.0	P	06/27/2025	17:01	LB136319
	Potassium	918	+/-1000	U	2000	P	06/27/2025	17:01	LB136319
	Selenium	9.64	+/-10	U	20.0	P	06/27/2025	17:01	LB136319
	Silver	1.62	+/-5	U	10.0	P	06/27/2025	17:01	LB136319
	Sodium	868	+/-1000	U	2000	P	06/27/2025	17:01	LB136319
	Thallium	4.38	+/-20	U	40.0	P	06/27/2025	17:01	LB136319
	Vanadium	6.26	+/-20	U	40.0	P	06/27/2025	17:01	LB136319
	Zinc	3.50	+/-20	U	40.0	P	06/27/2025	17:01	LB136319
CCB06	Aluminum	11.3	+/-50	U	100	P	06/27/2025	17:53	LB136319
	Antimony	6.76	+/-25	U	50.0	P	06/27/2025	17:53	LB136319
	Arsenic	5.12	+/-10	U	20.0	P	06/27/2025	17:53	LB136319
	Barium	14.6	+/-50	U	100	P	06/27/2025	17:53	LB136319
	Beryllium	0.56	+/-3	U	6.00	P	06/27/2025	17:53	LB136319
	Cadmium	0.50	+/-3	U	6.00	P	06/27/2025	17:53	LB136319
	Calcium	234	+/-1000	U	2000	P	06/27/2025	17:53	LB136319

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Union Paving & Construction Company **SDG No.:** Q2393

Contract: UNIO02 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB06	Chromium	2.12	+/-5	U	10.0	P	06/27/2025	17:53	LB136319
	Cobalt	2.26	+/-15	U	30.0	P	06/27/2025	17:53	LB136319
	Copper	4.60	+/-10	U	20.0	P	06/27/2025	17:53	LB136319
	Iron	23.4	+/-50	U	100	P	06/27/2025	17:53	LB136319
	Lead	2.30	+/-6	U	12.0	P	06/27/2025	17:53	LB136319
	Magnesium	244	+/-1000	U	2000	P	06/27/2025	17:53	LB136319
	Manganese	5.94	+/-10	U	20.0	P	06/27/2025	17:53	LB136319
	Nickel	3.06	+/-20	U	40.0	P	06/27/2025	17:53	LB136319
	Potassium	918	+/-1000	U	2000	P	06/27/2025	17:53	LB136319
	Selenium	9.64	+/-10	U	20.0	P	06/27/2025	17:53	LB136319
	Silver	1.62	+/-5	U	10.0	P	06/27/2025	17:53	LB136319
	Sodium	868	+/-1000	U	2000	P	06/27/2025	17:53	LB136319
	Thallium	4.38	+/-20	U	40.0	P	06/27/2025	17:53	LB136319
	Vanadium	6.26	+/-20	U	40.0	P	06/27/2025	17:53	LB136319
	Zinc	3.50	+/-20	U	40.0	P	06/27/2025	17:53	LB136319
CCB07	Aluminum	11.3	+/-50	U	100	P	06/27/2025	18:46	LB136319
	Antimony	6.76	+/-25	U	50.0	P	06/27/2025	18:46	LB136319
	Arsenic	5.12	+/-10	U	20.0	P	06/27/2025	18:46	LB136319
	Barium	14.6	+/-50	U	100	P	06/27/2025	18:46	LB136319
	Beryllium	0.56	+/-3	U	6.00	P	06/27/2025	18:46	LB136319
	Cadmium	0.50	+/-3	U	6.00	P	06/27/2025	18:46	LB136319
	Calcium	234	+/-1000	U	2000	P	06/27/2025	18:46	LB136319
	Chromium	2.12	+/-5	U	10.0	P	06/27/2025	18:46	LB136319
	Cobalt	2.26	+/-15	U	30.0	P	06/27/2025	18:46	LB136319
	Copper	4.60	+/-10	U	20.0	P	06/27/2025	18:46	LB136319
	Iron	23.4	+/-50	U	100	P	06/27/2025	18:46	LB136319
	Lead	2.30	+/-6	U	12.0	P	06/27/2025	18:46	LB136319
	Magnesium	244	+/-1000	U	2000	P	06/27/2025	18:46	LB136319
	Manganese	5.94	+/-10	U	20.0	P	06/27/2025	18:46	LB136319
	Nickel	3.06	+/-20	U	40.0	P	06/27/2025	18:46	LB136319
	Potassium	918	+/-1000	U	2000	P	06/27/2025	18:46	LB136319
	Selenium	9.64	+/-10	U	20.0	P	06/27/2025	18:46	LB136319
	Silver	1.62	+/-5	U	10.0	P	06/27/2025	18:46	LB136319
	Sodium	868	+/-1000	U	2000	P	06/27/2025	18:46	LB136319
	Thallium	4.38	+/-20	U	40.0	P	06/27/2025	18:46	LB136319
	Vanadium	6.26	+/-20	U	40.0	P	06/27/2025	18:46	LB136319
	Zinc	3.50	+/-20	U	40.0	P	06/27/2025	18:46	LB136319
CCB08	Aluminum	11.3	+/-50	U	100	P	06/27/2025	19:33	LB136319
	Antimony	6.76	+/-25	U	50.0	P	06/27/2025	19:33	LB136319

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Union Paving & Construction Company **SDG No.:** Q2393

Contract: UNIO02 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB08	Arsenic	5.12	+/-10	U	20.0	P	06/27/2025	19:33	LB136319
	Barium	14.6	+/-50	U	100	P	06/27/2025	19:33	LB136319
	Beryllium	0.56	+/-3	U	6.00	P	06/27/2025	19:33	LB136319
	Cadmium	0.50	+/-3	U	6.00	P	06/27/2025	19:33	LB136319
	Calcium	234	+/-1000	U	2000	P	06/27/2025	19:33	LB136319
	Chromium	2.12	+/-5	U	10.0	P	06/27/2025	19:33	LB136319
	Cobalt	2.26	+/-15	U	30.0	P	06/27/2025	19:33	LB136319
	Copper	4.60	+/-10	U	20.0	P	06/27/2025	19:33	LB136319
	Iron	23.4	+/-50	U	100	P	06/27/2025	19:33	LB136319
	Lead	2.30	+/-6	U	12.0	P	06/27/2025	19:33	LB136319
	Magnesium	244	+/-1000	U	2000	P	06/27/2025	19:33	LB136319
	Manganese	5.94	+/-10	U	20.0	P	06/27/2025	19:33	LB136319
	Nickel	3.06	+/-20	U	40.0	P	06/27/2025	19:33	LB136319
	Potassium	918	+/-1000	U	2000	P	06/27/2025	19:33	LB136319
	Selenium	9.64	+/-10	U	20.0	P	06/27/2025	19:33	LB136319
	Silver	1.62	+/-5	U	10.0	P	06/27/2025	19:33	LB136319
	Sodium	868	+/-1000	U	2000	P	06/27/2025	19:33	LB136319
	Thallium	4.38	+/-20	U	40.0	P	06/27/2025	19:33	LB136319
	Vanadium	6.26	+/-20	U	40.0	P	06/27/2025	19:33	LB136319
	Zinc	3.50	+/-20	U	40.0	P	06/27/2025	19:33	LB136319

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Metals
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PREPARATION BLANK SUMMARY

Client: Union Paving & Construction Company **SDG No.:** Q2393

Instrument: CV1

Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB168616BL		**SOLID**		**Batch Number:**	**PB168616**		**Prep Date:**	**06/24/2025**	
	Mercury	0.0080	<0.014	U	0.014	CV	06/26/2025	10:21	LB136362

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Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: Union Paving & Construction Company **SDG No.:** Q2393

Instrument: P5

Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB168598BL		**SOLID**		**Batch Number:**	**PB168598**		**Prep Date:**	**06/24/2025**	
	Aluminum	0.84	<2.5	U	5.00	P	06/27/2025	15:55	LB136319
	Antimony	0.22	<1.25	U	2.50	P	06/27/2025	15:55	LB136319
	Arsenic	0.19	<0.5	U	1.00	P	06/27/2025	15:55	LB136319
	Barium	0.73	<2.5	U	5.00	P	06/27/2025	15:55	LB136319
	Beryllium	0.025	<0.15	U	0.30	P	06/27/2025	15:55	LB136319
	Cadmium	0.024	<0.15	U	0.30	P	06/27/2025	15:55	LB136319
	Calcium	11.1	<50	U	100	P	06/27/2025	15:55	LB136319
	Chromium	0.047	<0.25	U	0.50	P	06/27/2025	15:55	LB136319
	Cobalt	0.10	<0.75	U	1.50	P	06/27/2025	15:55	LB136319
	Copper	0.22	<0.5	U	1.00	P	06/27/2025	15:55	LB136319
	Iron	3.99	<2.5	U	5.00	P	06/27/2025	15:55	LB136319
	Lead	0.13	<0.3	U	0.60	P	06/27/2025	15:55	LB136319
	Magnesium	12.0	<50	U	100	P	06/27/2025	15:55	LB136319
	Manganese	0.14	<0.5	U	1.00	P	06/27/2025	15:55	LB136319
	Nickel	0.13	<1	U	2.00	P	06/27/2025	15:55	LB136319
	Potassium	27.7	<50	U	100	P	06/27/2025	15:55	LB136319
	Selenium	0.26	<0.5	U	1.00	P	06/27/2025	15:55	LB136319
	Silver	0.12	<0.25	U	0.50	P	06/27/2025	15:55	LB136319
	Sodium	17.8	<50	U	100	P	06/27/2025	15:55	LB136319
	Thallium	0.23	<1	U	2.00	P	06/27/2025	15:55	LB136319
	Vanadium	0.25	<1	U	2.00	P	06/27/2025	15:55	LB136319
	Zinc	0.11	<1	U	2.00	P	06/27/2025	15:55	LB136319

METAL CALIBRATION DATA

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Union Paving & Construction Company

SDG No.: Q2393

Contract: UNIO02

Lab Code: ACE

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV06	Mercury	3.93	4.0	98	90 - 110	CV	06/26/2025	10:05	LB136362

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Union Paving & Construction Company

SDG No.: Q2393

Contract: UNIO02

Lab Code: ACE

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV16	Mercury	5.16	5.0	103	90 - 110	CV	06/26/2025	10:09	LB136362
CCV17	Mercury	5.46	5.0	109	90 - 110	CV	06/26/2025	10:37	LB136362
CCV18	Mercury	5.19	5.0	104	90 - 110	CV	06/26/2025	11:07	LB136362
CCV19	Mercury	4.98	5.0	100	90 - 110	CV	06/26/2025	11:27	LB136362

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Union Paving & Construction Company

SDG No.: Q2393

Contract: UNIO02

Lab Code: ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV01	Aluminum	7840	8000	98	90 - 110	P	06/27/2025	11:45	LB136319
	Antimony	4280	4000	107	90 - 110	P	06/27/2025	11:45	LB136319
	Arsenic	3910	4000	98	90 - 110	P	06/27/2025	11:45	LB136319
	Barium	8020	8000	100	90 - 110	P	06/27/2025	11:45	LB136319
	Beryllium	204	200	102	90 - 110	P	06/27/2025	11:45	LB136319
	Cadmium	1990	2000	100	90 - 110	P	06/27/2025	11:45	LB136319
	Calcium	19600	20000	98	90 - 110	P	06/27/2025	11:45	LB136319
	Chromium	757	800	95	90 - 110	P	06/27/2025	11:45	LB136319
	Cobalt	1970	2000	99	90 - 110	P	06/27/2025	11:45	LB136319
	Copper	1040	1000	104	90 - 110	P	06/27/2025	11:45	LB136319
	Iron	3850	4000	96	90 - 110	P	06/27/2025	11:45	LB136319
	Lead	3950	4000	99	90 - 110	P	06/27/2025	11:45	LB136319
	Magnesium	20200	20000	101	90 - 110	P	06/27/2025	11:45	LB136319
	Manganese	1990	2000	100	90 - 110	P	06/27/2025	11:45	LB136319
	Nickel	1950	2000	98	90 - 110	P	06/27/2025	11:45	LB136319
	Potassium	19500	20000	97	90 - 110	P	06/27/2025	11:45	LB136319
	Selenium	4050	4000	101	90 - 110	P	06/27/2025	11:45	LB136319
	Silver	941	1000	94	90 - 110	P	06/27/2025	11:45	LB136319
	Sodium	20500	20000	102	90 - 110	P	06/27/2025	11:45	LB136319
	Thallium	3950	4000	99	90 - 110	P	06/27/2025	11:45	LB136319
	Vanadium	2020	2000	101	90 - 110	P	06/27/2025	11:45	LB136319
	Zinc	2030	2000	101	90 - 110	P	06/27/2025	11:45	LB136319

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Union Paving & Construction Company **SDG No.:** Q2393

Contract: UNIO02 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLICV01	Aluminum	94.7	100	95	80 - 120	P	06/27/2025	12:03	LB136319
	Antimony	57.4	50.0	115	80 - 120	P	06/27/2025	12:03	LB136319
	Arsenic	16.7	20.0	84	80 - 120	P	06/27/2025	12:03	LB136319
	Barium	99.9	100	100	80 - 120	P	06/27/2025	12:03	LB136319
	Beryllium	6.43	6.0	107	80 - 120	P	06/27/2025	12:03	LB136319
	Cadmium	5.74	6.0	96	80 - 120	P	06/27/2025	12:03	LB136319
	Calcium	2080	2000	104	80 - 120	P	06/27/2025	12:03	LB136319
	Chromium	11.1	10.0	112	80 - 120	P	06/27/2025	12:03	LB136319
	Cobalt	30.3	30.0	101	80 - 120	P	06/27/2025	12:03	LB136319
	Copper	22.3	20.0	112	80 - 120	P	06/27/2025	12:03	LB136319
	Iron	111	100	111	80 - 120	P	06/27/2025	12:03	LB136319
	Lead	10.3	12.0	86	80 - 120	P	06/27/2025	12:03	LB136319
	Magnesium	2270	2000	114	80 - 120	P	06/27/2025	12:03	LB136319
	Manganese	22.8	20.0	114	80 - 120	P	06/27/2025	12:03	LB136319
	Nickel	39.8	40.0	100	80 - 120	P	06/27/2025	12:03	LB136319
	Potassium	1800	2000	90	80 - 120	P	06/27/2025	12:03	LB136319
	Selenium	19.5	20.0	98	80 - 120	P	06/27/2025	12:03	LB136319
	Silver	10.7	10.0	107	80 - 120	P	06/27/2025	12:03	LB136319
	Sodium	1900	2000	95	80 - 120	P	06/27/2025	12:03	LB136319
	Thallium	40.7	40.0	102	80 - 120	P	06/27/2025	12:03	LB136319
	Vanadium	47.8	40.0	119	80 - 120	P	06/27/2025	12:03	LB136319
	Zinc	34.2	40.0	85	80 - 120	P	06/27/2025	12:03	LB136319

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Union Paving & Construction Company
SDG No.: Q2393
Contract: UNIO02
Lab Code: ACE
Initial Calibration Source: EPA
Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV01	Aluminum	9460	10000	95	90 - 110	P	06/27/2025	13:22	LB136319
	Antimony	5000	5000	100	90 - 110	P	06/27/2025	13:22	LB136319
	Arsenic	4830	5000	97	90 - 110	P	06/27/2025	13:22	LB136319
	Barium	10100	10000	101	90 - 110	P	06/27/2025	13:22	LB136319
	Beryllium	250	250	100	90 - 110	P	06/27/2025	13:22	LB136319
	Cadmium	2460	2500	99	90 - 110	P	06/27/2025	13:22	LB136319
	Calcium	24700	25000	99	90 - 110	P	06/27/2025	13:22	LB136319
	Chromium	1030	1000	103	90 - 110	P	06/27/2025	13:22	LB136319
	Cobalt	2470	2500	99	90 - 110	P	06/27/2025	13:22	LB136319
	Copper	1250	1250	100	90 - 110	P	06/27/2025	13:22	LB136319
	Iron	5370	5000	108	90 - 110	P	06/27/2025	13:22	LB136319
	Lead	4980	5000	100	90 - 110	P	06/27/2025	13:22	LB136319
	Magnesium	25700	25000	103	90 - 110	P	06/27/2025	13:22	LB136319
	Manganese	2520	2500	101	90 - 110	P	06/27/2025	13:22	LB136319
	Nickel	2510	2500	100	90 - 110	P	06/27/2025	13:22	LB136319
	Potassium	24900	25000	99	90 - 110	P	06/27/2025	13:22	LB136319
	Selenium	5040	5000	101	90 - 110	P	06/27/2025	13:22	LB136319
	Silver	1230	1250	99	90 - 110	P	06/27/2025	13:22	LB136319
	Sodium	25000	25000	100	90 - 110	P	06/27/2025	13:22	LB136319
	Thallium	5000	5000	100	90 - 110	P	06/27/2025	13:22	LB136319
	Vanadium	2480	2500	99	90 - 110	P	06/27/2025	13:22	LB136319
	Zinc	2510	2500	101	90 - 110	P	06/27/2025	13:22	LB136319
CCV02	Aluminum	9650	10000	96	90 - 110	P	06/27/2025	14:19	LB136319
	Antimony	5050	5000	101	90 - 110	P	06/27/2025	14:19	LB136319
	Arsenic	4900	5000	98	90 - 110	P	06/27/2025	14:19	LB136319
	Barium	10200	10000	102	90 - 110	P	06/27/2025	14:19	LB136319
	Beryllium	256	250	102	90 - 110	P	06/27/2025	14:19	LB136319
	Cadmium	2500	2500	100	90 - 110	P	06/27/2025	14:19	LB136319
	Calcium	25000	25000	100	90 - 110	P	06/27/2025	14:19	LB136319
	Chromium	1010	1000	101	90 - 110	P	06/27/2025	14:19	LB136319
	Cobalt	2510	2500	100	90 - 110	P	06/27/2025	14:19	LB136319
	Copper	1290	1250	103	90 - 110	P	06/27/2025	14:19	LB136319
	Iron	5250	5000	105	90 - 110	P	06/27/2025	14:19	LB136319
	Lead	5070	5000	101	90 - 110	P	06/27/2025	14:19	LB136319

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Union Paving & Construction Company **SDG No.:** Q2393

Contract: UNIO02 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV02	Magnesium	26100	25000	104	90 - 110	P	06/27/2025	14:19	LB136319
	Manganese	2540	2500	102	90 - 110	P	06/27/2025	14:19	LB136319
	Nickel	2530	2500	101	90 - 110	P	06/27/2025	14:19	LB136319
	Potassium	25600	25000	102	90 - 110	P	06/27/2025	14:19	LB136319
	Selenium	5100	5000	102	90 - 110	P	06/27/2025	14:19	LB136319
	Silver	1260	1250	101	90 - 110	P	06/27/2025	14:19	LB136319
	Sodium	25800	25000	103	90 - 110	P	06/27/2025	14:19	LB136319
	Thallium	5080	5000	102	90 - 110	P	06/27/2025	14:19	LB136319
	Vanadium	2500	2500	100	90 - 110	P	06/27/2025	14:19	LB136319
	Zinc	2550	2500	102	90 - 110	P	06/27/2025	14:19	LB136319
CCV03	Aluminum	9690	10000	97	90 - 110	P	06/27/2025	15:12	LB136319
	Antimony	5100	5000	102	90 - 110	P	06/27/2025	15:12	LB136319
	Arsenic	4930	5000	99	90 - 110	P	06/27/2025	15:12	LB136319
	Barium	10300	10000	103	90 - 110	P	06/27/2025	15:12	LB136319
	Beryllium	257	250	103	90 - 110	P	06/27/2025	15:12	LB136319
	Cadmium	2530	2500	101	90 - 110	P	06/27/2025	15:12	LB136319
	Calcium	25400	25000	102	90 - 110	P	06/27/2025	15:12	LB136319
	Chromium	1040	1000	104	90 - 110	P	06/27/2025	15:12	LB136319
	Cobalt	2540	2500	102	90 - 110	P	06/27/2025	15:12	LB136319
	Copper	1290	1250	103	90 - 110	P	06/27/2025	15:12	LB136319
	Iron	5340	5000	107	90 - 110	P	06/27/2025	15:12	LB136319
	Lead	5120	5000	102	90 - 110	P	06/27/2025	15:12	LB136319
	Magnesium	26300	25000	105	90 - 110	P	06/27/2025	15:12	LB136319
	Manganese	2560	2500	103	90 - 110	P	06/27/2025	15:12	LB136319
	Nickel	2560	2500	103	90 - 110	P	06/27/2025	15:12	LB136319
	Potassium	25800	25000	103	90 - 110	P	06/27/2025	15:12	LB136319
	Selenium	5170	5000	103	90 - 110	P	06/27/2025	15:12	LB136319
	Silver	1270	1250	102	90 - 110	P	06/27/2025	15:12	LB136319
	Sodium	26000	25000	104	90 - 110	P	06/27/2025	15:12	LB136319
	Thallium	5140	5000	103	90 - 110	P	06/27/2025	15:12	LB136319
	Vanadium	2550	2500	102	90 - 110	P	06/27/2025	15:12	LB136319
	Zinc	2560	2500	102	90 - 110	P	06/27/2025	15:12	LB136319
CCV04	Aluminum	10300	10000	103	90 - 110	P	06/27/2025	16:04	LB136319
	Antimony	5110	5000	102	90 - 110	P	06/27/2025	16:04	LB136319

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Metals

- 2a -
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Union Paving & Construction Company **SDG No.:** Q2393

Contract: UNIO02 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV04	Arsenic	4940	5000	99	90 - 110	P	06/27/2025	16:04	LB136319
	Barium	10300	10000	103	90 - 110	P	06/27/2025	16:04	LB136319
	Beryllium	256	250	102	90 - 110	P	06/27/2025	16:04	LB136319
	Cadmium	2530	2500	101	90 - 110	P	06/27/2025	16:04	LB136319
	Calcium	25400	25000	102	90 - 110	P	06/27/2025	16:04	LB136319
	Chromium	1010	1000	101	90 - 110	P	06/27/2025	16:04	LB136319
	Cobalt	2540	2500	102	90 - 110	P	06/27/2025	16:04	LB136319
	Copper	1290	1250	103	90 - 110	P	06/27/2025	16:04	LB136319
	Iron	5250	5000	105	90 - 110	P	06/27/2025	16:04	LB136319
	Lead	5120	5000	102	90 - 110	P	06/27/2025	16:04	LB136319
	Magnesium	26100	25000	105	90 - 110	P	06/27/2025	16:04	LB136319
	Manganese	2580	2500	103	90 - 110	P	06/27/2025	16:04	LB136319
	Nickel	2550	2500	102	90 - 110	P	06/27/2025	16:04	LB136319
	Potassium	25800	25000	103	90 - 110	P	06/27/2025	16:04	LB136319
	Selenium	5160	5000	103	90 - 110	P	06/27/2025	16:04	LB136319
	Silver	1260	1250	101	90 - 110	P	06/27/2025	16:04	LB136319
	Sodium	26000	25000	104	90 - 110	P	06/27/2025	16:04	LB136319
	Thallium	5130	5000	102	90 - 110	P	06/27/2025	16:04	LB136319
	Vanadium	2550	2500	102	90 - 110	P	06/27/2025	16:04	LB136319
	Zinc	2570	2500	103	90 - 110	P	06/27/2025	16:04	LB136319
CCV05	Aluminum	9590	10000	96	90 - 110	P	06/27/2025	16:56	LB136319
	Antimony	4950	5000	99	90 - 110	P	06/27/2025	16:56	LB136319
	Arsenic	4820	5000	96	90 - 110	P	06/27/2025	16:56	LB136319
	Barium	10200	10000	102	90 - 110	P	06/27/2025	16:56	LB136319
	Beryllium	255	250	102	90 - 110	P	06/27/2025	16:56	LB136319
	Cadmium	2460	2500	98	90 - 110	P	06/27/2025	16:56	LB136319
	Calcium	24800	25000	99	90 - 110	P	06/27/2025	16:56	LB136319
	Chromium	1040	1000	104	90 - 110	P	06/27/2025	16:56	LB136319
	Cobalt	2460	2500	98	90 - 110	P	06/27/2025	16:56	LB136319
	Copper	1280	1250	102	90 - 110	P	06/27/2025	16:56	LB136319
	Iron	5380	5000	108	90 - 110	P	06/27/2025	16:56	LB136319
	Lead	4960	5000	99	90 - 110	P	06/27/2025	16:56	LB136319
	Magnesium	25300	25000	101	90 - 110	P	06/27/2025	16:56	LB136319
	Manganese	2490	2500	100	90 - 110	P	06/27/2025	16:56	LB136319

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Metals

- 2a -
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Union Paving & Construction Company
SDG No.: Q2393
Contract: UNIO02
Lab Code: ACE
Initial Calibration Source: EPA
Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV05	Nickel	2500	2500	100	90 - 110	P	06/27/2025	16:56	LB136319
	Potassium	25700	25000	103	90 - 110	P	06/27/2025	16:56	LB136319
	Selenium	4980	5000	100	90 - 110	P	06/27/2025	16:56	LB136319
	Silver	1230	1250	98	90 - 110	P	06/27/2025	16:56	LB136319
	Sodium	25900	25000	104	90 - 110	P	06/27/2025	16:56	LB136319
	Thallium	4980	5000	100	90 - 110	P	06/27/2025	16:56	LB136319
	Vanadium	2470	2500	99	90 - 110	P	06/27/2025	16:56	LB136319
	Zinc	2480	2500	99	90 - 110	P	06/27/2025	16:56	LB136319
CCV06	Aluminum	9580	10000	96	90 - 110	P	06/27/2025	17:49	LB136319
	Antimony	5020	5000	100	90 - 110	P	06/27/2025	17:49	LB136319
	Arsenic	4880	5000	98	90 - 110	P	06/27/2025	17:49	LB136319
	Barium	10400	10000	104	90 - 110	P	06/27/2025	17:49	LB136319
	Beryllium	254	250	102	90 - 110	P	06/27/2025	17:49	LB136319
	Cadmium	2480	2500	99	90 - 110	P	06/27/2025	17:49	LB136319
	Calcium	24900	25000	100	90 - 110	P	06/27/2025	17:49	LB136319
	Chromium	1030	1000	103	90 - 110	P	06/27/2025	17:49	LB136319
	Cobalt	2480	2500	99	90 - 110	P	06/27/2025	17:49	LB136319
	Copper	1280	1250	102	90 - 110	P	06/27/2025	17:49	LB136319
	Iron	5430	5000	109	90 - 110	P	06/27/2025	17:49	LB136319
	Lead	5000	5000	100	90 - 110	P	06/27/2025	17:49	LB136319
	Magnesium	25800	25000	103	90 - 110	P	06/27/2025	17:49	LB136319
	Manganese	2540	2500	102	90 - 110	P	06/27/2025	17:49	LB136319
	Nickel	2530	2500	101	90 - 110	P	06/27/2025	17:49	LB136319
	Potassium	25700	25000	103	90 - 110	P	06/27/2025	17:49	LB136319
	Selenium	5030	5000	101	90 - 110	P	06/27/2025	17:49	LB136319
	Silver	1220	1250	97	90 - 110	P	06/27/2025	17:49	LB136319
	Sodium	26100	25000	105	90 - 110	P	06/27/2025	17:49	LB136319
	Thallium	5060	5000	101	90 - 110	P	06/27/2025	17:49	LB136319
	Vanadium	2520	2500	101	90 - 110	P	06/27/2025	17:49	LB136319
	Zinc	2560	2500	102	90 - 110	P	06/27/2025	17:49	LB136319
CCV07	Aluminum	9940	10000	99	90 - 110	P	06/27/2025	18:41	LB136319
	Antimony	5140	5000	103	90 - 110	P	06/27/2025	18:41	LB136319
	Arsenic	5050	5000	101	90 - 110	P	06/27/2025	18:41	LB136319
	Barium	10600	10000	106	90 - 110	P	06/27/2025	18:41	LB136319

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Union Paving & Construction Company **SDG No.:** Q2393

Contract: UNIO02 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV07	Beryllium	260	250	104	90 - 110	P	06/27/2025	18:41	LB136319
	Cadmium	2550	2500	102	90 - 110	P	06/27/2025	18:41	LB136319
	Calcium	25300	25000	101	90 - 110	P	06/27/2025	18:41	LB136319
	Chromium	1030	1000	103	90 - 110	P	06/27/2025	18:41	LB136319
	Cobalt	2540	2500	102	90 - 110	P	06/27/2025	18:41	LB136319
	Copper	1310	1250	105	90 - 110	P	06/27/2025	18:41	LB136319
	Iron	5380	5000	108	90 - 110	P	06/27/2025	18:41	LB136319
	Lead	5120	5000	102	90 - 110	P	06/27/2025	18:41	LB136319
	Magnesium	26100	25000	104	90 - 110	P	06/27/2025	18:41	LB136319
	Manganese	2590	2500	103	90 - 110	P	06/27/2025	18:41	LB136319
	Nickel	2570	2500	103	90 - 110	P	06/27/2025	18:41	LB136319
	Potassium	26400	25000	106	90 - 110	P	06/27/2025	18:41	LB136319
	Selenium	5140	5000	103	90 - 110	P	06/27/2025	18:41	LB136319
	Silver	1240	1250	99	90 - 110	P	06/27/2025	18:41	LB136319
	Sodium	26800	25000	107	90 - 110	P	06/27/2025	18:41	LB136319
	Thallium	5190	5000	104	90 - 110	P	06/27/2025	18:41	LB136319
	Vanadium	2610	2500	104	90 - 110	P	06/27/2025	18:41	LB136319
	Zinc	2630	2500	105	90 - 110	P	06/27/2025	18:41	LB136319
CCV08	Aluminum	9930	10000	99	90 - 110	P	06/27/2025	19:29	LB136319
	Antimony	5100	5000	102	90 - 110	P	06/27/2025	19:29	LB136319
	Arsenic	5000	5000	100	90 - 110	P	06/27/2025	19:29	LB136319
	Barium	10500	10000	105	90 - 110	P	06/27/2025	19:29	LB136319
	Beryllium	256	250	102	90 - 110	P	06/27/2025	19:29	LB136319
	Cadmium	2520	2500	101	90 - 110	P	06/27/2025	19:29	LB136319
	Calcium	25100	25000	100	90 - 110	P	06/27/2025	19:29	LB136319
	Chromium	1010	1000	100	90 - 110	P	06/27/2025	19:29	LB136319
	Cobalt	2520	2500	101	90 - 110	P	06/27/2025	19:29	LB136319
	Copper	1290	1250	104	90 - 110	P	06/27/2025	19:29	LB136319
	Iron	5200	5000	104	90 - 110	P	06/27/2025	19:29	LB136319
	Lead	5040	5000	101	90 - 110	P	06/27/2025	19:29	LB136319
	Magnesium	25600	25000	102	90 - 110	P	06/27/2025	19:29	LB136319
	Manganese	2530	2500	101	90 - 110	P	06/27/2025	19:29	LB136319
	Nickel	2530	2500	101	90 - 110	P	06/27/2025	19:29	LB136319
	Potassium	26300	25000	105	90 - 110	P	06/27/2025	19:29	LB136319

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Union Paving & Construction Company

SDG No.: Q2393

Contract: UNIO02

Lab Code: ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV08	Selenium	5060	5000	101	90 - 110	P	06/27/2025	19:29	LB136319
	Silver	1220	1250	98	90 - 110	P	06/27/2025	19:29	LB136319
	Sodium	26500	25000	106	90 - 110	P	06/27/2025	19:29	LB136319
	Thallium	5130	5000	103	90 - 110	P	06/27/2025	19:29	LB136319
	Vanadium	2550	2500	102	90 - 110	P	06/27/2025	19:29	LB136319
	Zinc	2610	2500	104	90 - 110	P	06/27/2025	19:29	LB136319

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Metals

- 2b -
CRDL STANDARD FOR AA & ICP

Client: Union Paving & Construction Company **SDG No.:** Q2393

Contract: UNIO02 **Lab Code:** ACE

Initial Calibration Source:

Continuing Calibration Source:

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CRA	Mercury	0.22	0.2	110	70 - 130	CV	06/26/2025	10:14	LB136362
CRI01	Aluminum	92.6	100	93	65 - 135	P	06/27/2025	12:58	LB136319
	Antimony	56.3	50.0	113	65 - 135	P	06/27/2025	12:58	LB136319
	Arsenic	16.9	20.0	84	65 - 135	P	06/27/2025	12:58	LB136319
	Barium	106	100	106	65 - 135	P	06/27/2025	12:58	LB136319
	Beryllium	6.39	6.0	106	65 - 135	P	06/27/2025	12:58	LB136319
	Cadmium	5.61	6.0	94	65 - 135	P	06/27/2025	12:58	LB136319
	Calcium	2090	2000	104	65 - 135	P	06/27/2025	12:58	LB136319
	Chromium	12.6	10.0	126	65 - 135	P	06/27/2025	12:58	LB136319
	Cobalt	30.4	30.0	101	65 - 135	P	06/27/2025	12:58	LB136319
	Copper	23.3	20.0	116	65 - 135	P	06/27/2025	12:58	LB136319
	Iron	109	100	108	65 - 135	P	06/27/2025	12:58	LB136319
	Lead	12.2	12.0	101	65 - 135	P	06/27/2025	12:58	LB136319
	Magnesium	2330	2000	117	65 - 135	P	06/27/2025	12:58	LB136319
	Manganese	22.7	20.0	114	65 - 135	P	06/27/2025	12:58	LB136319
	Nickel	40.0	40.0	100	65 - 135	P	06/27/2025	12:58	LB136319
	Potassium	1640	2000	82	65 - 135	P	06/27/2025	12:58	LB136319
	Selenium	20.1	20.0	100	65 - 135	P	06/27/2025	12:58	LB136319
	Silver	11.2	10.0	112	65 - 135	P	06/27/2025	12:58	LB136319
	Sodium	1900	2000	95	65 - 135	P	06/27/2025	12:58	LB136319
	Thallium	40.8	40.0	102	65 - 135	P	06/27/2025	12:58	LB136319
	Vanadium	39.3	40.0	98	65 - 135	P	06/27/2025	12:58	LB136319
	Zinc	34.2	40.0	86	65 - 135	P	06/27/2025	12:58	LB136319

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Metals
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INTERFERENCE CHECK SAMPLE

Client: Union Paving & Construction Company **SDG No.:** Q2393

Contract: UNIO02 **Lab Code:** ACE

ICS Source: EPA **Instrument ID:** P5

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Low Limit (ug/L)	High Limit (ug/L)	Analysis Date	Analysis Time	Run Number
ICSA01	Aluminum	240000	250000	96	216000	294000	06/27/2025	13:04	LB136319
	Antimony	21.2			-50	50	06/27/2025	13:04	LB136319
	Arsenic	1.80			-20	20	06/27/2025	13:04	LB136319
	Barium	5.72	6.0	95	-94	106	06/27/2025	13:04	LB136319
	Beryllium	1.16			-6	6	06/27/2025	13:04	LB136319
	Cadmium	-1.37	1.0	137	-5	7	06/27/2025	13:04	LB136319
	Calcium	237000	240000	99	208000	282000	06/27/2025	13:04	LB136319
	Chromium	49.2	52.0	95	42	62	06/27/2025	13:04	LB136319
	Cobalt	29.0			-30	30	06/27/2025	13:04	LB136319
	Copper	-5.04	2.0	252	-18	22	06/27/2025	13:04	LB136319
	Iron	101000	100000	101	85600	116500	06/27/2025	13:04	LB136319
	Lead	-0.17			-12	12	06/27/2025	13:04	LB136319
	Magnesium	257000	260000	99	216000	294000	06/27/2025	13:04	LB136319
	Manganese	5.41	7.0	77	-13	27	06/27/2025	13:04	LB136319
	Nickel	6.13	2.0	306	-38	42	06/27/2025	13:04	LB136319
	Potassium	10.4			0	0	06/27/2025	13:04	LB136319
	Selenium	4.19			-20	20	06/27/2025	13:04	LB136319
	Silver	4.58			-10	10	06/27/2025	13:04	LB136319
	Sodium	137			0	0	06/27/2025	13:04	LB136319
	Thallium	17.3			-40	40	06/27/2025	13:04	LB136319
	Vanadium	5.71			-40	40	06/27/2025	13:04	LB136319
	Zinc	3.40			-40	40	06/27/2025	13:04	LB136319
ICSAB01	Aluminum	236000	250000	94	209000	285000	06/27/2025	13:09	LB136319
	Antimony	633	620	102	525	711	06/27/2025	13:09	LB136319
	Arsenic	100	100	100	88.4	120	06/27/2025	13:09	LB136319
	Barium	518	540	96	437	637	06/27/2025	13:09	LB136319
	Beryllium	504	500	101	420	570	06/27/2025	13:09	LB136319
	Cadmium	994	970	102	826	1120	06/27/2025	13:09	LB136319
	Calcium	233000	230000	101	199000	271000	06/27/2025	13:09	LB136319
	Chromium	521	540	96	460	624	06/27/2025	13:09	LB136319
	Cobalt	519	480	108	404	548	06/27/2025	13:09	LB136319
	Copper	479	510	94	434	588	06/27/2025	13:09	LB136319
	Iron	99300	99000	100	84400	114500	06/27/2025	13:09	LB136319
	Lead	47.5	49.0	97	37	61	06/27/2025	13:09	LB136319
	Magnesium	252000	250000	101	210000	286000	06/27/2025	13:09	LB136319
	Manganese	502	510	98	430	584	06/27/2025	13:09	LB136319
	Nickel	975	950	103	810	1100	06/27/2025	13:09	LB136319
	Potassium	6.48			0	0	06/27/2025	13:09	LB136319
	Selenium	55.8	46.0	121	26	66	06/27/2025	13:09	LB136319
	Silver	195	200	98	170	232	06/27/2025	13:09	LB136319
	Sodium	135			0	0	06/27/2025	13:09	LB136319
	Thallium	102	110	93	68	148	06/27/2025	13:09	LB136319

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INTERFERENCE CHECK SAMPLE

Client: Union Paving & Construction Company **SDG No.:** Q2393

Contract: UNIO02 **Lab Code:** ACE

ICS Source: EPA **Instrument ID:** P5

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Low Limit (ug/L)	High Limit (ug/L)	Analysis Date	Analysis Time	Run Number
ICSAB01	Vanadium	487	490	99	417	565	06/27/2025	13:09	LB136319
	Zinc	1030	950	108	809	1095	06/27/2025	13:09	LB136319

METAL QC DATA

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metals
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MATRIX SPIKE SUMMARY

client: Union Paving & Construction Company **level:** low **sdg no.:** Q2393

contract: UNIO02 **lab code:** ACE

matrix: Solid **sample id:** Q2393-11 **client id:** PARK AVE -6MS

Percent Solids for Sample: 86.8 **Spiked ID:** Q2393-11MS **Percent Solids for Spike Sample:** 86.8

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	9700		8830		100	857		P
Antimony	mg/Kg	75 - 125	12.5		2.40	J	40.6	25	N	P
Arsenic	mg/Kg	75 - 125	41.0		4.93		40.6	89		P
Barium	mg/Kg	75 - 125	57.6		49.4		10.2	81		P
Beryllium	mg/Kg	75 - 125	8.36		0.96		10.2	73	N	P
Cadmium	mg/Kg	75 - 125	9.50		0.31	U	10.2	94		P
Calcium	mg/Kg	75 - 125	4960		6090		50.8	-2234		P
Chromium	mg/Kg	75 - 125	25.8		17.9		20.3	39	N	P
Cobalt	mg/Kg	75 - 125	20.9		12.7		10.2	80		P
Copper	mg/Kg	75 - 125	27.9		29.5		15.2	-11	N	P
Iron	mg/Kg	75 - 125	18500		37800		150	-12673		P
Lead	mg/Kg	75 - 125	60.9		15.5		50.8	90		P
Magnesium	mg/Kg	75 - 125	2490		2600		100	-105		P
Manganese	mg/Kg	75 - 125	342		575		10.2	-2292		P
Nickel	mg/Kg	75 - 125	37.3		21.3		25.4	63	N	P
Potassium	mg/Kg	75 - 125	1110		692		510	82		P
Selenium	mg/Kg	75 - 125	74.2		11.5		100	62	N	P
Silver	mg/Kg	75 - 125	3.24		1.34		3.8	50	N	P
Sodium	mg/Kg	75 - 125	404		363		150	27	N	P
Thallium	mg/Kg	75 - 125	93.4		2.06	U	100	92		P
Vanadium	mg/Kg	75 - 125	43.5		34.8		15.2	58	N	P
Zinc	mg/Kg	75 - 125	39.2		38.0		10.2	13	N	P

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metals
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MATRIX SPIKE DUPLICATE SUMMARY

client: Union Paving & Construction Company **level:** low **sdg no.:** Q2393

contract: UNIO02 **lab code:** ACE

matrix: Solid **sample id:** Q2393-11 **client id:** PARK AVE -6MSD

Percent Solids for Sample: 86.8 **Spiked ID:** Q2393-11MSD **Percent Solids for Spike Sample:** 86.8

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	8190		8830		100	-621		P
Antimony	mg/Kg	75 - 125	14.0		2.40	J	41.5	28	N	P
Arsenic	mg/Kg	75 - 125	44.0		4.93		41.5	94		P
Barium	mg/Kg	75 - 125	48.5		49.4		10.4	-9		P
Beryllium	mg/Kg	75 - 125	9.06		0.96		10.4	78		P
Cadmium	mg/Kg	75 - 125	10.4		0.31	U	10.4	100		P
Calcium	mg/Kg	75 - 125	6420		6090		51.9	633		P
Chromium	mg/Kg	75 - 125	25.4		17.9		20.8	36	N	P
Cobalt	mg/Kg	75 - 125	19.5		12.7		10.4	66	N	P
Copper	mg/Kg	75 - 125	27.6		29.5		15.6	-12	N	P
Iron	mg/Kg	75 - 125	15300		37800		160	-14476		P
Lead	mg/Kg	75 - 125	62.6		15.5		51.9	91		P
Magnesium	mg/Kg	75 - 125	2220		2600		100	-362		P
Manganese	mg/Kg	75 - 125	267		575		10.4	-2963		P
Nickel	mg/Kg	75 - 125	36.6		21.3		25.9	59	N	P
Potassium	mg/Kg	75 - 125	1070		692		520	72	N	P
Selenium	mg/Kg	75 - 125	82.2		11.5		100	68	N	P
Silver	mg/Kg	75 - 125	3.43		1.34		3.9	54	N	P
Sodium	mg/Kg	75 - 125	412		363		160	32	N	P
Thallium	mg/Kg	75 - 125	102		2.06	U	100	98		P
Vanadium	mg/Kg	75 - 125	37.2		34.8		15.6	16	N	P
Zinc	mg/Kg	75 - 125	36.0		38.0		10.4	-19	N	P

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metals
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MATRIX SPIKE SUMMARY

client: Union Paving & Construction Company **level:** low **sdg no.:** Q2393

contract: UNIO02 **lab code:** ACE

matrix: Solid **sample id:** Q2403-07 **client id:** ARS 20-0006MS

Percent Solids for Sample: 95.2 **Spiked ID:** Q2403-07MS **Percent Solids for Spike Sample:** 95.2

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 120	0.29		0.037		0.26	96		CV

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metals
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MATRIX SPIKE DUPLICATE SUMMARY

client: Union Paving & Construction Company **level:** low **sdg no.:** Q2393

contract: UNIO02 **lab code:** ACE

matrix: Solid **sample id:** Q2403-07 **client id:** ARS 20-0006MSD

Percent Solids for Sample: 95.2 **Spiked ID:** Q2403-07MSD **Percent Solids for Spike Sample:** 95.2

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 120	0.29		0.037		0.28	89		CV

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Metals
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POST DIGEST SPIKE SUMMARY

Client: Union Paving & Construction Company **SDG No.:** Q2393

Contract: UNIO02 **Lab Code:** ACE

Matrix: Solid **Level:** LOW **Client ID:** PARK AVE -6A

Sample ID: Q2393-11 **Spiked ID:** Q2393-11A

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Antimony	mg/Kg	75 - 125	31.9		2.40	J	41.1	72	N	P
Beryllium	mg/Kg	75 - 125	8.54		0.96		10.3	74	N	P
Chromium	mg/Kg	75 - 125	31.4		17.9		20.6	66	N	P
Cobalt	mg/Kg	75 - 125	21.9		12.7		10.3	89		P
Copper	mg/Kg	75 - 125	40.5		29.5		15.4	71	N	P
Nickel	mg/Kg	75 - 125	44.4		21.3		25.7	90		P
Potassium	mg/Kg	75 - 125	1120		692		510	83		P
Selenium	mg/Kg	75 - 125	83.8		11.5		100	72	N	P
Silver	mg/Kg	75 - 125	3.87		1.34		3.90	65	N	P
Sodium	mg/Kg	75 - 125	466		363		150	69	N	P
Vanadium	mg/Kg	75 - 125	44.4		34.8		15.4	62	N	P
Zinc	mg/Kg	75 - 125	44.0		38.0		10.3	58	N	P

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Metals

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DUPLICATE SAMPLE SUMMARY

Client: Union Paving & Construction Company **Level:** LOW **SDG No.:** Q2393

Contract: UNIO02 **Lab Code:** ACE

Matrix: Solid **Sample ID:** Q2393-11 **Client ID:** PARK AVE -6DUP

Percent Solids for Sample: 86.8 **Duplicate ID** Q2393-11DUP **Percent Solids for Spike Sample:** 86.8

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	mg/Kg	20	8830		9470		7		P
Antimony	mg/Kg	20	2.40	J	1.60	J	40	*	P
Arsenic	mg/Kg	20	4.93		3.59		31	*	P
Barium	mg/Kg	20	49.4		48.2		2		P
Beryllium	mg/Kg	20	0.96		0.79		20		P
Cadmium	mg/Kg	20	0.31	U	0.28	U			P
Calcium	mg/Kg	20	6090		7650		23	*	P
Chromium	mg/Kg	20	17.9		11.9		40	*	P
Cobalt	mg/Kg	20	12.7		11.9		7		P
Copper	mg/Kg	20	29.5		19.0		43	*	P
Iron	mg/Kg	20	37800		17800		72	*	P
Lead	mg/Kg	20	15.5		16.1		4		P
Magnesium	mg/Kg	20	2600		2890		11		P
Manganese	mg/Kg	20	575		343		51	*	P
Nickel	mg/Kg	20	21.3		13.2		47	*	P
Potassium	mg/Kg	20	692		685		1		P
Selenium	mg/Kg	20	11.5		4.99		79	*	P
Silver	mg/Kg	20	1.34		0.52		88	*	P
Sodium	mg/Kg	20	363		304		18		P
Thallium	mg/Kg	20	2.06	U	1.89	U			P
Vanadium	mg/Kg	20	34.8		31.9		9		P
Zinc	mg/Kg	20	38.0		31.5		19		P

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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Metals

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DUPLICATE SAMPLE SUMMARY

Client: Union Paving & Construction Company **Level:** LOW **SDG No.:** Q2393

Contract: UNIO02 **Lab Code:** ACE

Matrix: Solid **Sample ID:** Q2393-11MS **Client ID:** PARK AVE -6MSD

Percent Solids for Sample: 86.8 **Duplicate ID** Q2393-11MSD **Percent Solids for Spike Sample:** 86.8

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	mg/Kg	20	9700		8190		17		P
Antimony	mg/Kg	20	12.5		14.0		11		P
Arsenic	mg/Kg	20	41.0		44.0		7		P
Barium	mg/Kg	20	57.6		48.5		17		P
Beryllium	mg/Kg	20	8.36		9.06		8		P
Cadmium	mg/Kg	20	9.50		10.4		9		P
Calcium	mg/Kg	20	4960		6420		26	*	P
Chromium	mg/Kg	20	25.8		25.4		2		P
Cobalt	mg/Kg	20	20.9		19.5		7		P
Copper	mg/Kg	20	27.9		27.6		1		P
Iron	mg/Kg	20	18500		15300		19		P
Lead	mg/Kg	20	60.9		62.6		3		P
Magnesium	mg/Kg	20	2490		2220		11		P
Manganese	mg/Kg	20	342		267		25	*	P
Nickel	mg/Kg	20	37.3		36.6		2		P
Potassium	mg/Kg	20	1110		1070		4		P
Selenium	mg/Kg	20	74.2		82.2		10		P
Silver	mg/Kg	20	3.24		3.43		6		P
Sodium	mg/Kg	20	404		412		2		P
Thallium	mg/Kg	20	93.4		102		9		P
Vanadium	mg/Kg	20	43.5		37.2		16		P
Zinc	mg/Kg	20	39.2		36.0		9		P

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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Metals

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DUPLICATE SAMPLE SUMMARY

Client: Union Paving & Construction Company **Level:** LOW **SDG No.:** Q2393

Contract: UNIO02 **Lab Code:** ACE

Matrix: Solid **Sample ID:** Q2403-07 **Client ID:** ARS 20-0006DUP

Percent Solids for Sample: 95.2 **Duplicate ID** Q2403-07DUP **Percent Solids for Spike Sample:** 95.2

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	mg/Kg	20	0.037		0.032		14		CV

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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Metals

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DUPLICATE SAMPLE SUMMARY

Client: Union Paving & Construction Company **Level:** LOW **SDG No.:** Q2393

Contract: UNIO02 **Lab Code:** ACE

Matrix: Solid **Sample ID:** Q2403-07MS **Client ID:** ARS 20-0006MSD

Percent Solids for Sample: 95.2 **Duplicate ID** Q2403-07MSD **Percent Solids for Spike Sample:** 95.2

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	mg/Kg	20	0.29		0.29		1		CV

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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LABORATORY CONTROL SAMPLE SUMMARY

Client: Union Paving & Construction Company **SDG No.:** Q2393

Contract: UNIO02 **Lab Code:** ACE

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB168598BS							
Aluminum	mg/Kg	100	100		100	80 - 120	P
Antimony	mg/Kg	40.0	40.2		100	80 - 120	P
Arsenic	mg/Kg	40.0	35.2		88	80 - 120	P
Barium	mg/Kg	10.0	10.2		102	80 - 120	P
Beryllium	mg/Kg	10.0	10.3		103	80 - 120	P
Cadmium	mg/Kg	10.0	9.46		95	80 - 120	P
Calcium	mg/Kg	50.0	50.1	J	100	80 - 120	P
Chromium	mg/Kg	20.0	19.2		96	80 - 120	P
Cobalt	mg/Kg	10.0	9.72		97	80 - 120	P
Copper	mg/Kg	15.0	16.1		107	80 - 120	P
Iron	mg/Kg	150	157		105	80 - 120	P
Lead	mg/Kg	50.0	48.0		96	80 - 120	P
Magnesium	mg/Kg	100	104		104	80 - 120	P
Manganese	mg/Kg	10.0	10.4		104	80 - 120	P
Nickel	mg/Kg	25.0	24.3		97	80 - 120	P
Potassium	mg/Kg	500	440		88	80 - 120	P
Selenium	mg/Kg	100	99.8		100	80 - 120	P
Silver	mg/Kg	3.8	3.63		96	80 - 120	P
Sodium	mg/Kg	150	146		97	80 - 120	P
Thallium	mg/Kg	100	101		101	80 - 120	P
Vanadium	mg/Kg	15.0	14.7		98	80 - 120	P
Zinc	mg/Kg	10.0	9.93		99	80 - 120	P

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Metals

LABORATORY CONTROL SAMPLE SUMMARY

Client: Union Paving & Construction Company **SDG No.:** Q2393

Contract: UNIO02 **Lab Code:** ACE

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB168616BS							
Mercury	mg/Kg	0.26	0.26		99	80 - 120	CV

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Metals

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ICP SERIAL DILUTIONS

SAMPLE NO.

PARK AVE -6L

Lab Name: Alliance **Contract:** UNIO02

Lab Code: ACE **Lb No.:** lb136319 **Lab Sample ID :** Q2393-11L **SDG No.:** Q2393

Matrix (soil/water): Solid **Level (low/med):** LOW

Concentration Units: mg/Kg

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Aluminum	8830		10800		23		P
Antimony	2.40	J	3.27	J	36		P
Arsenic	4.93		4.68	J	5		P
Barium	49.4		61.6		25		P
Beryllium	0.96		1.30	J	35		P
Cadmium	0.31	U	1.54	U			P
Calcium	6090		7610		25		P
Chromium	17.9		21.7		21		P
Cobalt	12.7		14.4		13		P
Copper	29.5		38.6		31		P
Iron	37800		47300		25		P
Lead	15.5		16.8		9		P
Magnesium	2600		3320		28		P
Manganese	575		722		26		P
Nickel	21.3		20.4		4		P
Potassium	692		701		1		P
Selenium	11.5		12.8		11		P
Silver	1.34		1.99	J	49		P
Sodium	363		459	J	27		P
Thallium	2.06	U	10.3	U			P
Vanadium	34.8		41.7		20		P
Zinc	38.0		44.7		18		P

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ICP SERIAL DILUTIONS

SAMPLE NO.

ARS 20-0006L

Lab Name: Alliance **Contract:** UNIO02

Lab Code: ACE **Lb No.:** lb136362 **Lab Sample ID :** Q2403-07L **SDG No.:** Q2393

Matrix (soil/water): Solid **Level (low/med):** LOW

Concentration Units: mg/Kg

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Mercury	0.037		0.045	J	23		CV

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ANALYSIS RUN LOG

Client: Union Paving & Construction Company **Contract:** UNIO02

Lab code: ACE **Sdg no.:** Q2393

Instrument id number: **Method:** **Run number:** LB136319

Start date: 06/27/2025 **End date:** 06/27/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1111	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S1	S1	1	1116	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S2	S2	1	1120	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S3	S3	1	1124	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S4	S4	1	1129	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S5	S5	1	1133	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICV01	ICV01	1	1145	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
LLICV01	LLICV01	1	1203	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICB01	ICB01	1	1254	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CRI01	CRI01	1	1258	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICSA01	ICSA01	1	1304	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICSAB01	ICSAB01	1	1309	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV01	CCV01	1	1322	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB01	CCB01	1	1331	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV02	CCV02	1	1419	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB02	CCB02	1	1424	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV03	CCV03	1	1512	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB03	CCB03	1	1516	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB168598BL	PB168598BL	1	1555	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB168598BS	PB168598BS	1	1600	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV04	CCV04	1	1604	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB04	CCB04	1	1609	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2393-01	PARK AVE -1	1	1613	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2393-03	PARK AVE -2	1	1617	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2393-05	PARK AVE -3	1	1622	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2393-07	PARK AVE -4	1	1626	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2393-09	PARK AVE -5	1	1630	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2393-11	PARK AVE -6	1	1635	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2393-11DUP	PARK AVE -6DUP	1	1639	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2393-11L	PARK AVE -6L	5	1643	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2393-11MS	PARK AVE -6MS	1	1648	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2393-11MSD	PARK AVE -6MSD	1	1652	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV05	CCV05	1	1656	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB05	CCB05	1	1701	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2393-11A	PARK AVE -6A	1	1705	Ag,Be,Co,Cr,Cu,K,Na,Ni,Sb,Se,V,Zn
CCV06	CCV06	1	1749	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB06	CCB06	1	1753	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV07	CCV07	1	1841	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB07	CCB07	1	1846	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV08	CCV08	1	1929	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB08	CCB08	1	1933	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn

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metals
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ANALYSIS RUN LOG

Client: Union Paving & Construction Company **Contract:** UNIO02

Lab code: ACE **Sdg no.:** Q2393

Instrument id number: **Method:** **Run number:** LB136362

Start date: 06/26/2025 **End date:** 06/26/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	0950	HG
S0.2	S0.2	1	0952	HG
S2.5	S2.5	1	0955	HG
S5	S5	1	0957	HG
S7.5	S7.5	1	0959	HG
S10	S10	1	1001	HG
ICV06	ICV06	1	1005	HG
ICB06	ICB06	1	1007	HG
CCV16	CCV16	1	1009	HG
CCB16	CCB16	1	1011	HG
CRA	CRA	1	1014	HG
PB168616BL	PB168616BL	1	1021	HG
PB168616BS	PB168616BS	1	1023	HG
Q2393-01	PARK AVE -1	1	1028	HG
Q2393-03	PARK AVE -2	1	1030	HG
Q2393-05	PARK AVE -3	1	1032	HG
Q2393-07	PARK AVE -4	1	1034	HG
CCV17	CCV17	1	1037	HG
CCB17	CCB17	1	1039	HG
Q2393-09	PARK AVE -5	1	1041	HG
Q2393-11	PARK AVE -6	1	1044	HG
CCV18	CCV18	1	1107	HG
CCB18	CCB18	1	1109	HG
Q2403-07DUP	ARS 20-0006DUP	1	1114	HG
Q2403-07MS	ARS 20-0006MS	1	1116	HG
Q2403-07MSD	ARS 20-0006MSD	1	1118	HG
Q2403-07L	ARS 20-0006L	5	1123	HG
CCV19	CCV19	1	1127	HG
CCB19	CCB19	1	1130	HG

METAL PREPARATION & INSTRUMENT DATA

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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: Union Paving & Construction Company **SDG No.:** Q2393

Contract: UNIO02 **Lab Code:** ACE

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Al	Ca	Fe	Mg	Ag
Aluminum	396.100	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.833	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	193.759	0.0000000	0.0000000	-0.0000720	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	373.690	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.402	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

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Metals
- 11 -
ICP INTERELEMENT CORRECTION FACTORS

Client: Union Paving & Construction Company **SDG No.:** Q2393

Contract: UNIO02 **Lab Code:** ACE

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: As	Ba	Be	Cd	Co
Aluminum	396.100	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.833	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	373.690	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.402	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: Union Paving & Construction Company **SDG No.:** Q2393

Contract: UNIO02 **Lab Code:** ACE

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Cr	Cu	K	Mn	Mo
Aluminum	396.100	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.833	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0001020
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	373.690	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.402	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: Union Paving & Construction Company **SDG No.:** Q2393

Contract: UNIO02 **Lab Code:** ACE

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Na	Ni	Pb	Sb	Se
Aluminum	396.100	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.833	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	373.690	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.402	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: Union Paving & Construction Company **SDG No.:** Q2393

Contract: UNIO02 **Lab Code:** ACE

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Sn	Ti	Tl	V	Zn
Aluminum	396.100	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.833	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	-0.0004810
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	373.690	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.402	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

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LAB CHRONICLE

OrderID:	Q2393	**OrderDate:**	6/23/2025 11:43:58 AM
Client:	Union Paving & Construction Company	**Project:**	190 Park Ave Hanover Twp NJ - PO 3556-001
Contact:	Gerard Busacco	**Location:**	A22,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2393-01	**PARK AVE -1**	**SOIL**			**06/23/25**			**06/23/25**
			Mercury	7471B		06/24/25	06/26/25	
			Metals ICP-TAL	6010D		06/24/25	06/27/25	
Q2393-03	**PARK AVE -2**	**SOIL**			**06/23/25**			**06/23/25**
			Mercury	7471B		06/24/25	06/26/25	
			Metals ICP-TAL	6010D		06/24/25	06/27/25	
Q2393-05	**PARK AVE -3**	**SOIL**			**06/23/25**			**06/23/25**
			Mercury	7471B		06/24/25	06/26/25	
			Metals ICP-TAL	6010D		06/24/25	06/27/25	
Q2393-07	**PARK AVE -4**	**SOIL**			**06/23/25**			**06/23/25**
			Mercury	7471B		06/24/25	06/26/25	
			Metals ICP-TAL	6010D		06/24/25	06/27/25	
Q2393-09	**PARK AVE -5**	**SOIL**			**06/23/25**			**06/23/25**
			Mercury	7471B		06/24/25	06/26/25	
			Metals ICP-TAL	6010D		06/24/25	06/27/25	
Q2393-11	**PARK AVE -6**	**SOIL**			**06/23/25**			**06/23/25**
			Mercury	7471B		06/24/25	06/26/25	
			Metals ICP-TAL	6010D		06/24/25	06/27/25	

METAL PREPARATION & ANALYICAL SUMMARY

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Metals
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SAMPLE PREPARATION SUMMARY

Client: Union Paving & Construction Company **SDG No.:** Q2393

Contract: UNIO02 **Lab Code:** ACE **Method:**

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(g)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB168598**						
PB168598BL	PB168598BL	MB	SOLID	06/24/2025	2.00	100.0	100.00
PB168598BS	PB168598BS	LCS	SOLID	06/24/2025	2.00	100.0	100.00
Q2393-01	PARK AVE -1	SAM	SOLID	06/24/2025	2.20	100.0	83.30
Q2393-03	PARK AVE -2	SAM	SOLID	06/24/2025	2.41	100.0	83.50
Q2393-05	PARK AVE -3	SAM	SOLID	06/24/2025	2.43	100.0	86.60
Q2393-07	PARK AVE -4	SAM	SOLID	06/24/2025	2.44	100.0	87.70
Q2393-09	PARK AVE -5	SAM	SOLID	06/24/2025	2.20	100.0	91.30
Q2393-11	PARK AVE -6	SAM	SOLID	06/24/2025	2.24	100.0	86.80
Q2393-11DUP	PARK AVE -6DUP	DUP	SOLID	06/24/2025	2.44	100.0	86.80
Q2393-11MS	PARK AVE -6MS	MS	SOLID	06/24/2025	2.27	100.0	86.80
Q2393-11MSD	PARK AVE -6MSD	MSD	SOLID	06/24/2025	2.22	100.0	86.80

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Metals
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SAMPLE PREPARATION SUMMARY

Client: Union Paving & Construction Company **SDG No.:** Q2393

Contract: UNIO02 **Lab Code:** ACE **Method:**

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(g)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB168616**						
PB168616BL	PB168616BL	MB	SOLID	06/24/2025	0.51	35.0	100.00
PB168616BS	PB168616BS	LCS	SOLID	06/24/2025	0.53	35.0	100.00
Q2393-01	PARK AVE -1	SAM	SOLID	06/24/2025	0.53	35.0	83.30
Q2393-03	PARK AVE -2	SAM	SOLID	06/24/2025	0.58	35.0	83.50
Q2393-05	PARK AVE -3	SAM	SOLID	06/24/2025	0.51	35.0	86.60
Q2393-07	PARK AVE -4	SAM	SOLID	06/24/2025	0.57	35.0	87.70
Q2393-09	PARK AVE -5	SAM	SOLID	06/24/2025	0.59	35.0	91.30
Q2393-11	PARK AVE -6	SAM	SOLID	06/24/2025	0.53	35.0	86.80
Q2403-07DUP	ARS 20-0006DUP	DUP	SOLID	06/24/2025	0.56	35.0	95.20
Q2403-07MS	ARS 20-0006MS	MS	SOLID	06/24/2025	0.57	35.0	95.20
Q2403-07MSD	ARS 20-0006MSD	MSD	SOLID	06/24/2025	0.53	35.0	95.20

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Instrument ID: P5

Daily Analysis Runlog For Sequence/QCBatch ID # LB136319

Review By	Janvi	Review On	6/30/2025 11:42:29 AM
Supervise By	jaswal	Supervise On	7/2/2025 2:14:45 AM

STD. NAME	STD REF.#
ICAL Standard	MP86192,MP86193,MP86194,MP86195,MP86196,MP86212
ICV Standard	MP86213
CCV Standard	MP86216
ICSA Standard	MP86214,MP86215
CRI Standard	MP86212
LCS Standard	
Chk Standard	MP86217,MP86218

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	06/27/25 11:11		Janvi	OK
2	S1	S1	CAL2	06/27/25 11:16		Janvi	OK
3	S2	S2	CAL3	06/27/25 11:20		Janvi	OK
4	S3	S3	CAL4	06/27/25 11:24		Janvi	OK
5	S4	S4	CAL5	06/27/25 11:29		Janvi	OK
6	S5	S5	CAL6	06/27/25 11:33		Janvi	OK
7	ICV01	ICV01	ICV	06/27/25 11:45	ICV fail for Sb,Cr,Ag (200.7) (95-105)	Janvi	OK
8	LLICV01	LLICV01	LLICV	06/27/25 12:03		Janvi	OK
9	ICB01	ICB01	ICB	06/27/25 12:54		Janvi	OK
10	CRI01	CRI01	CRDL	06/27/25 12:58		Janvi	OK
11	ICSA01	ICSA01	ICSA	06/27/25 13:04		Janvi	OK
12	ICSAB01	ICSAB01	ICSAB	06/27/25 13:09		Janvi	OK
13	ICSADL	ICSADL	ICSA	06/27/25 13:14		Janvi	OK
14	ICSABDL	ICSABDL	ICSAB	06/27/25 13:18		Janvi	OK
15	CCV01	CCV01	CCV	06/27/25 13:22		Janvi	OK
16	CCB01	CCB01	CCB	06/27/25 13:31		Janvi	OK
17	PB168612BL	PB168612BL	MB	06/27/25 13:36		Janvi	OK
18	PB168612BS	PB168612BS	LCS	06/27/25 13:40		Janvi	OK

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Instrument ID: P5

Daily Analysis Runlog For Sequence/QCBatch ID # LB136319

Review By	Janvi	Review On	6/30/2025 11:42:29 AM
Supervise By	jaswal	Supervise On	7/2/2025 2:14:45 AM

STD. NAME	STD REF.#
ICAL Standard	MP86192,MP86193,MP86194,MP86195,MP86196,MP86212
ICV Standard	MP86213
CCV Standard	MP86216
ICSA Standard	MP86214,MP86215
CRI Standard	MP86212
LCS Standard	
Chk Standard	MP86217,MP86218

19	Q2403-03	LAW-25-0093	SAM	06/27/25 13:45		Janvi	OK
20	Q2403-05	Concrete-062325	SAM	06/27/25 13:49		Janvi	OK
21	Q2403-07	ARS 20-0006	SAM	06/27/25 13:54		Janvi	OK
22	Q2403-07DUP	ARS 20-0006DUP	DUP	06/27/25 13:58		Janvi	OK
23	Q2403-07L	ARS 20-0006L	SD	06/27/25 14:02		Janvi	OK
24	Q2403-07MS	ARS 20-0006MS	MS	06/27/25 14:07		Janvi	OK
25	Q2403-07MSD	ARS 20-0006MSD	MSD	06/27/25 14:11		Janvi	OK
26	Q2403-07A	ARS 20-0006A	PS	06/27/25 14:15	0.1 ML M60131ML M6004-10ML SAMPLE	Janvi	OK
27	CCV02	CCV02	CCV	06/27/25 14:19		Janvi	OK
28	CCB02	CCB02	CCB	06/27/25 14:24		Janvi	OK
29	Q2405-01	MH-M/N	SAM	06/27/25 14:28		Janvi	OK
30	Q2404-01	1ST-FL-CHILD-CARE	SAM	06/27/25 14:32		Janvi	OK
31	Q2404-02	1ST-FL-CHILD-CARE	SAM	06/27/25 14:37		Janvi	OK
32	Q2404-03	1ST-FL-CHILD-CARE	SAM	06/27/25 14:41		Janvi	OK
33	Q2404-04	1ST-FL-CHILD-CARE	SAM	06/27/25 14:46		Janvi	OK
34	Q2404-05	1ST-FL-HALLWAY-BA	SAM	06/27/25 14:50		Janvi	OK
35	Q2404-06	1ST-FL-HALLWAY-BA	SAM	06/27/25 14:54		Janvi	OK
36	Q2404-07	1ST-FL-HALLWAY-BA	SAM	06/27/25 14:59		Janvi	OK
37	Q2404-08	1ST-FL-HALLWAY-BA	SAM	06/27/25 15:03		Janvi	OK

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Instrument ID: P5

Daily Analysis Runlog For Sequence/QCBatch ID # LB136319

Review By	Janvi	Review On	6/30/2025 11:42:29 AM
Supervise By	jaswal	Supervise On	7/2/2025 2:14:45 AM

STD. NAME	STD REF.#
ICAL Standard	MP86192,MP86193,MP86194,MP86195,MP86196,MP86212
ICV Standard	MP86213
CCV Standard	MP86216
ICSA Standard	MP86214,MP86215
CRI Standard	MP86212
LCS Standard	
Chk Standard	MP86217,MP86218

38	Q2404-09	1ST-FL-HALLWAY-BA	SAM	06/27/25 15:07		Janvi	OK
39	CCV03	CCV03	CCV	06/27/25 15:12		Janvi	OK
40	CCB03	CCB03	CCB	06/27/25 15:16		Janvi	OK
41	Q2404-10	1ST-FL-HALLWAY-BA	SAM	06/27/25 15:21		Janvi	OK
42	Q2404-11	1ST-FL-CHILD-CARE	SAM	06/27/25 15:25		Janvi	OK
43	Q2404-12	1ST-FL-CHILD-CARE	SAM	06/27/25 15:29	ICV fail for Cr,Ag	Janvi	Not Ok
44	Q2404-12DUP	1ST-FL-CHILD-CARE	DUP	06/27/25 15:34	ICV fail for Cr,Ag	Janvi	Not Ok
45	Q2404-12L	1ST-FL-CHILD-CARE	SD	06/27/25 15:38	ICV fail for Cr,Ag	Janvi	Not Ok
46	Q2404-12MS	1ST-FL-CHILD-CARE	MS	06/27/25 15:42	ICV fail for Cr,Ag	Janvi	Not Ok
47	Q2404-12MSD	1ST-FL-CHILD-CARE	MSD	06/27/25 15:47	ICV fail for Cr,Ag	Janvi	Not Ok
48	Q2404-12A	1ST-FL-CHILD-CARE	PS	06/27/25 15:51	ICV fail for Cr,Ag,0.1 ML M60131ML M6004-10ML SAMPLE	Janvi	Not Ok
49	PB168598BL	PB168598BL	MB	06/27/25 15:55		Janvi	OK
50	PB168598BS	PB168598BS	LCS	06/27/25 16:00		Janvi	OK
51	CCV04	CCV04	CCV	06/27/25 16:04		Janvi	OK
52	CCB04	CCB04	CCB	06/27/25 16:09		Janvi	OK
53	Q2393-01	PARK AVE -1	SAM	06/27/25 16:13		Janvi	OK
54	Q2393-03	PARK AVE -2	SAM	06/27/25 16:17		Janvi	OK
55	Q2393-05	PARK AVE -3	SAM	06/27/25 16:22		Janvi	OK
56	Q2393-07	PARK AVE -4	SAM	06/27/25 16:26		Janvi	OK

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Instrument ID: P5

Daily Analysis Runlog For Sequence/QCBatch ID # LB136319

Review By	Janvi	Review On	6/30/2025 11:42:29 AM
Supervise By	jaswal	Supervise On	7/2/2025 2:14:45 AM

STD. NAME	STD REF.#
ICAL Standard	MP86192,MP86193,MP86194,MP86195,MP86196,MP86212
ICV Standard	MP86213
CCV Standard	MP86216
ICSA Standard	MP86214,MP86215
CRI Standard	MP86212
LCS Standard	
Chk Standard	MP86217,MP86218

57	Q2393-09	PARK AVE -5	SAM	06/27/25 16:30		Janvi	OK
58	Q2393-11	PARK AVE -6	SAM	06/27/25 16:35		Janvi	OK
59	Q2393-11DUP	PARK AVE -6DUP	DUP	06/27/25 16:39		Janvi	OK
60	Q2393-11L	PARK AVE -6L	SD	06/27/25 16:43		Janvi	OK
61	Q2393-11MS	PARK AVE -6MS	MS	06/27/25 16:48		Janvi	OK
62	Q2393-11MSD	PARK AVE -6MSD	MSD	06/27/25 16:52		Janvi	OK
63	CCV05	CCV05	CCV	06/27/25 16:56		Janvi	OK
64	CCB05	CCB05	CCB	06/27/25 17:01		Janvi	OK
65	Q2393-11A	PARK AVE -6A	PS	06/27/25 17:05	0.1 ML M60131ML M6004-10ML SAMPLE	Janvi	OK
66	Q2394-01	MH-K/L	SAM	06/27/25 17:09		Janvi	OK
67	Q2398-03	M00-25-0179	SAM	06/27/25 17:14		Janvi	OK
68	Q2398-06	ARS20-0036	SAM	06/27/25 17:18		Janvi	OK
69	Q2399-01	TP-13	SAM	06/27/25 17:22		Janvi	OK
70	Q2399-05	EP-7	SAM	06/27/25 17:27		Janvi	OK
71	Q2400-01	B-156-SB01	SAM	06/27/25 17:31		Janvi	OK
72	Q2400-02	B-134-SB01	SAM	06/27/25 17:36		Janvi	OK
73	Q2403-05DL	Concrete-062325DL	SAM	06/27/25 17:40	Report 5X for straight	Janvi	OK
74	PB168628BL	PB168628BL	MB	06/27/25 17:45		Janvi	OK
75	CCV06	CCV06	CCV	06/27/25 17:49		Janvi	OK

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Instrument ID: P5

Daily Analysis Runlog For Sequence/QCBatch ID # LB136319

Review By	Janvi	Review On	6/30/2025 11:42:29 AM
Supervise By	jaswal	Supervise On	7/2/2025 2:14:45 AM

STD. NAME	STD REF.#
ICAL Standard	MP86192,MP86193,MP86194,MP86195,MP86196,MP86212
ICV Standard	MP86213
CCV Standard	MP86216
ICSA Standard	MP86214,MP86215
CRI Standard	MP86212
LCS Standard	
Chk Standard	MP86217,MP86218

76	CCB06	CCB06	CCB	06/27/25 17:53		Janvi	OK
77	PB168628BS	PB168628BS	LCS	06/27/25 17:58		Janvi	OK
78	Q2414-01	WC-1	SAM	06/27/25 18:02		Janvi	OK
79	Q2415-01	WC-1	SAM	06/27/25 18:06		Janvi	OK
80	Q2416-01	MH-G/H	SAM	06/27/25 18:11		Janvi	OK
81	Q2420-01	72-11933	SAM	06/27/25 18:15		Janvi	OK
82	Q2425-01	COMP-1	SAM	06/27/25 18:19		Janvi	OK
83	Q2425-02	COMP-2	SAM	06/27/25 18:24		Janvi	OK
84	Q2413-01	TP-35	SAM	06/27/25 18:28		Janvi	OK
85	Q2413-02	TP-34	SAM	06/27/25 18:33		Janvi	OK
86	Q2413-03	TP-77	SAM	06/27/25 18:37		Janvi	OK
87	CCV07	CCV07	CCV	06/27/25 18:41		Janvi	OK
88	CCB07	CCB07	CCB	06/27/25 18:46		Janvi	OK
89	Q2413-04	TP-74	SAM	06/27/25 18:50		Janvi	OK
90	Q2413-05	TP-73	SAM	06/27/25 18:54		Janvi	OK
91	Q2413-06	TP-72	SAM	06/27/25 18:59		Janvi	OK
92	Q2425-03	COMP-3	SAM	06/27/25 19:03		Janvi	OK
93	Q2425-03DUP	COMP-3DUP	DUP	06/27/25 19:08		Janvi	OK
94	Q2425-03L	COMP-3L	SD	06/27/25 19:12		Janvi	OK
95	Q2425-03MS	COMP-3MS	MS	06/27/25 19:16		Janvi	OK

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Instrument ID: P5

Daily Analysis Runlog For Sequence/QCBatch ID # LB136319

Review By	Janvi	Review On	6/30/2025 11:42:29 AM
Supervise By	jaswal	Supervise On	7/2/2025 2:14:45 AM

STD. NAME	STD REF.#
ICAL Standard	MP86192,MP86193,MP86194,MP86195,MP86196,MP86212
ICV Standard	MP86213
CCV Standard	MP86216
ICSA Standard	MP86214,MP86215
CRI Standard	MP86212
LCS Standard	
Chk Standard	MP86217,MP86218

96	Q2425-03MSD	COMP-3MSD	MSD	06/27/25 19:20		Janvi	OK
97	Q2425-03A	COMP-3A	PS	06/27/25 19:25	0.1 ML M60131ML M6004-10ML SAMPLE	Janvi	OK
98	CCV08	CCV08	CCV	06/27/25 19:29		Janvi	OK
99	CCB08	CCB08	CCB	06/27/25 19:33		Janvi	OK

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Instrument ID: CV1

Daily Analysis Runlog For Sequence/QCBatch ID # LB136362

Review By	jaswal	Review On	6/26/2025 3:59:15 PM
Supervise By	MOHAN	Supervise On	6/26/2025 4:06:37 PM

STD. NAME	STD REF.#
ICAL Standard	MP86175,MP86177,MP86178,MP86179,MP86180,MP86181
ICV Standard	MP86182
CCV Standard	MP861
ICSA Standard	
CRI Standard	MP86186
LCS Standard	
Chk Standard	MP86183,MP86185,MP86187,mp86191

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	06/26/25 09:50		MOHAN	OK
2	S0.2	S0.2	CAL2	06/26/25 09:52		MOHAN	OK
3	S2.5	S2.5	CAL3	06/26/25 09:55		MOHAN	OK
4	S5	S5	CAL4	06/26/25 09:57		MOHAN	OK
5	S7.5	S7.5	CAL5	06/26/25 09:59		MOHAN	OK
6	S10	S10	CAL6	06/26/25 10:01		MOHAN	OK
7	ICV06	ICV06	ICV	06/26/25 10:05		MOHAN	OK
8	ICB06	ICB06	ICB	06/26/25 10:07		MOHAN	OK
9	CCV16	CCV16	CCV	06/26/25 10:09		MOHAN	OK
10	CCB16	CCB16	CCB	06/26/25 10:11		MOHAN	OK
11	CRA	CRA	CRDL	06/26/25 10:14		MOHAN	OK
12	HighStd	HighStd	HIGH STD	06/26/25 10:16		MOHAN	OK
13	ChkStd	ChkStd	SAM	06/26/25 10:18		MOHAN	OK
14	PB168616BL	PB168616BL	MB	06/26/25 10:21		MOHAN	OK
15	PB168616BS	PB168616BS	LCS	06/26/25 10:23		MOHAN	OK
16	Q2392-01	S-1	SAM	06/26/25 10:25		MOHAN	OK
17	Q2393-01	PARK AVE -1	SAM	06/26/25 10:28		MOHAN	OK
18	Q2393-03	PARK AVE -2	SAM	06/26/25 10:30		MOHAN	OK

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Instrument ID: CV1

Daily Analysis Runlog For Sequence/QCBatch ID # LB136362

Review By	jaswal	Review On	6/26/2025 3:59:15 PM
Supervise By	MOHAN	Supervise On	6/26/2025 4:06:37 PM

STD. NAME	STD REF.#
ICAL Standard	MP86175,MP86177,MP86178,MP86179,MP86180,MP86181
ICV Standard	MP86182
CCV Standard	MP861
ICSA Standard	
CRI Standard	MP86186
LCS Standard	
Chk Standard	MP86183,MP86185,MP86187,mp86191

19	Q2393-05	PARK AVE -3	SAM	06/26/25 10:32		MOHAN	OK
20	Q2393-07	PARK AVE -4	SAM	06/26/25 10:34		MOHAN	OK
21	CCV17	CCV17	CCV	06/26/25 10:37		MOHAN	OK
22	CCB17	CCB17	CCB	06/26/25 10:39		MOHAN	OK
23	Q2393-09	PARK AVE -5	SAM	06/26/25 10:41		MOHAN	OK
24	Q2393-11	PARK AVE -6	SAM	06/26/25 10:44		MOHAN	OK
25	Q2394-01	MH-K/L	SAM	06/26/25 10:46		MOHAN	OK
26	Q2398-03	M00-25-0179	SAM	06/26/25 10:48		MOHAN	OK
27	Q2398-06	ARS20-0036	SAM	06/26/25 10:50		MOHAN	OK
28	Q2399-01	TP-13	SAM	06/26/25 10:53		MOHAN	OK
29	Q2399-05	EP-7	SAM	06/26/25 10:55		MOHAN	OK
30	Q2400-01	B-156-SB01	SAM	06/26/25 10:57		MOHAN	OK
31	Q2400-02	B-134-SB01	SAM	06/26/25 11:00		MOHAN	OK
32	Q2403-03	LAW-25-0093	SAM	06/26/25 11:02		MOHAN	OK
33	CCV18	CCV18	CCV	06/26/25 11:07		MOHAN	OK
34	CCB18	CCB18	CCB	06/26/25 11:09		MOHAN	OK
35	Q2403-07	ARS 20-0006	SAM	06/26/25 11:11		MOHAN	OK
36	Q2403-07DUP	ARS 20-0006DUP	DUP	06/26/25 11:14		MOHAN	OK
37	Q2403-07MS	ARS 20-0006MS	MS	06/26/25 11:16		MOHAN	OK
38	Q2403-07MSD	ARS 20-0006MSD	MSD	06/26/25 11:18		MOHAN	OK

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Instrument ID: CV1

Daily Analysis Runlog For Sequence/QCBatch ID # LB136362

Review By	jaswal	Review On	6/26/2025 3:59:15 PM
Supervise By	MOHAN	Supervise On	6/26/2025 4:06:37 PM

STD. NAME	STD REF.#
ICAL Standard	MP86175,MP86177,MP86178,MP86179,MP86180,MP86181
ICV Standard	MP86182
CCV Standard	MP861
ICSA Standard	
CRI Standard	MP86186
LCS Standard	
Chk Standard	MP86183,MP86185,MP86187,mp86191

39	Q2405-01	MH-M/N	SAM	06/26/25 11:20		MOHAN	OK
40	Q2403-07L	ARS 20-0006L	SD	06/26/25 11:23		MOHAN	OK
41	Q2403-07A	ARS 20-0006A	PS	06/26/25 11:25		MOHAN	OK
42	CCV19	CCV19	CCV	06/26/25 11:27		MOHAN	OK
43	CCB19	CCB19	CCB	06/26/25 11:30		MOHAN	OK

Alliance TECHNICAL GROUP

Soil/Sludge Metals Preparation Sheet

PB168598

SOP ID : M3050B-Digestion-20

SDG No : N/A

Matrix : SOIL

Pippete ID: ICP A

Balance ID : M SC-2

Filter paper ID : N/A

pH Strip ID : N/A

Hood ID : #3

Block ID: 1. HOT BLOCK #2 2. N/A

Start Digest Date: 06/24/2025 **Time :** 13:15 **Temp :** 96 °C

End Digest Date: 06/24/2025 **Time :** 15:32 **Temp :** 96 °C

Digestion tube ID: M6054

Block thermometer ID: MET-DIG. #2

Dig Technician Signature: SLB.

Supervisor Signature:

Temp : 1. 96°C 2. N/A

Standared Name	MLS USED	STD REF. # FROM LOG
LFS-1	1.00	M6007
LFS-2	1.00	M6015
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
CONC: HNO3	5.00	M6158
1:1 HNO3	10.00	MP84041
30% H2O2	3.00	M6162
Conc. HCL	10.00	M6151
PTFE Boiling Stones	N/A	M5581
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:

HOT BLOCK#2 CELL#35 96 C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
06/24/25 16:32	SLB. met. dig	[illegible] Lab
	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

Soil/Sludge Metals Preparation Sheet

PB168598

Lab Sample ID	Client Sample ID	pH	Initial Weight (g)	Final Vol (ml)	Color Before	Color After	Texture	Artifact	Comment	Prep Pos
PB168598BL	PBS598	N/A	2.00	100	Colorless	Colorless	Fine	N/A	N/A	1
PB168598BS	LCS598	N/A	2.00	100	Colorless	Colorless	Fine	N/A	M6007,M6015	2
Q2392-01	S-1	N/A	2.15	100	Brown	Yellow	Medium	N/A	N/A	3
Q2393-01	PARK AVE -1	N/A	2.20	100	Brown	Yellow	Medium	N/A	N/A	4
Q2393-03	PARK AVE -2	N/A	2.41	100	Brown	Yellow	Medium	N/A	N/A	5
Q2393-05	PARK AVE -3	N/A	2.43	100	Brown	Yellow	Medium	N/A	N/A	6
Q2393-07	PARK AVE -4	N/A	2.44	100	Brown	Yellow	Medium	N/A	N/A	7
Q2393-09	PARK AVE -5	N/A	2.20	100	Brown	Yellow	Medium	N/A	N/A	8
Q2393-11	PARK AVE -6	N/A	2.24	100	Brown	Yellow	Medium	N/A	N/A	9
Q2393-11MS	PARK AVE -6MS	N/A	2.27	100	Brown	Yellow	Medium	N/A	M6007,M6015	11
Q2393-11MSD	PARK AVE -6MSD	N/A	2.22	100	Brown	Yellow	Medium	N/A	M6007,M6015	12
Q2393-11DUP	PARK AVE -6DUP	N/A	2.44	100	Brown	Yellow	Medium	N/A	N/A	10
Q2394-01	MH-K/L	N/A	2.26	100	Brown	Yellow	Medium	N/A	N/A	13
Q2398-03	M00-25-0179	N/A	2.14	100	Brown	Yellow	Medium	N/A	N/A	14
Q2398-06	ARS20-0036	N/A	2.28	100	Brown	Yellow	Medium	N/A	N/A	15
Q2399-01	TP-13	N/A	2.21	100	Brown	Yellow	Medium	N/A	N/A	16
Q2399-05	EP-7	N/A	2.19	100	Brown	Yellow	Medium	N/A	N/A	17
Q2400-01	B-156-SB01	N/A	2.22	100	Brown	Yellow	Medium	N/A	N/A	18
Q2400-02	B-134-SB01	N/A	2.28	100	Brown	Yellow	Medium	N/A	N/A	19

Alliance TECHNICAL GROUP

Soil/Sludge Mercury Preparation Sheet

PB168616

SOP ID : M7471B-Mercury-18

SDG No : NA

Matrix : SOIL

Pippete ID: HG A

Balance ID : M SC-3

Filter paper ID : NA

pH Strip ID : NA

Hood ID : #1

Block ID: 1. HG HOT BLOCK#3 2. N/A

Start Digest Date: 06/24/2025 **Time :** 15:35 **Temp :** 95 °C

End Digest Date: 06/24/2025 **Time :** 16:06 **Temp :** 94 °C

Digestion tube ID: M5595

Block thermometer ID: HG-DIG#3

Dig Technician Signature: MB

Supervisor Signature: 12

Temp : 1. 95°C 2. N/A

Standared Name	MLS USED	STD REF. # FROM LOG
ICV	30mL	MP86182
CCV	30mL	MP86184
CRA	30mL	MP86186
Blank Spike	0.48mL	MP86174
Matrix Spike	N/A	MP86174

Chemical Used	ML/SAMPLE USED	Lot Number
AQUA REGIA	1.5mL	MP86188
KMnO4 (5%)	4.5mL	MP85893
Hydroxylamine HCL (12%)	2.0mL	MP85895
PTFE Boiling Stones	----------	M5582
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

LAB SAMPLE ID	CLIENT SAMPLE ID	Wt(g)/Vol(ml)	Comment
0.0 ppb	S0	30mL	MP86175
0.05 ppb	S0.05	N/A	N/A
0.2 ppb	S0.2	30mL	MP86177
2.5 ppb	S2.5	30mL	MP86178
5.0 ppb	S5.0	30mL	MP86179
7.5 ppb	S7.5	30mL	MP86180
10.0 ppb	S10.0	30mL	MP86181
ICV	ICV	30mL	MP86182
ICB	ICB	30mL	MP86183
CCV	CCV	30mL	MP86184
CCB	CCB	30mL	MP86185
CRI	CRI	30mL	MP86186
CHK STD	CHK STD	30mL	MP86187

Extraction Conformance/Non-Conformance Comments:

N/A

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
6/24/25 16:40	MB - 3rd floor lab	MB - 3rd floor lab
	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

Soil/Sludge Mercury Preparation Sheet

PB168616

Lab Sample ID	Client Sample ID	Initial Weight (g)	Final Vol (ml)	pH	Comment	Prep Pos
PB168616BL	PBS616	0.51	35	NA	N/A	3-1
PB168616BS	LCS616	0.53	35	NA	MP86174	2
Q2392-01	S-1	0.54	35	NA	N/A	3
Q2393-01	PARK AVE -1	0.53	35	NA	N/A	4
Q2393-03	PARK AVE -2	0.58	35	NA	N/A	5
Q2393-05	PARK AVE -3	0.51	35	NA	N/A	6
Q2393-07	PARK AVE -4	0.57	35	NA	N/A	7
Q2393-09	PARK AVE -5	0.59	35	NA	N/A	8
Q2393-11	PARK AVE -6	0.53	35	NA	N/A	9
Q2394-01	MH-K/L	0.58	35	NA	N/A	10
Q2398-03	M00-25-0179	0.56	35	NA	N/A	11
Q2398-06	ARS20-0036	0.57	35	NA	N/A	12
Q2399-01	TP-13	0.55	35	NA	N/A	13
Q2399-05	EP-7	0.58	35	NA	N/A	14
Q2400-01	B-156-SB01	0.56	35	NA	N/A	15
Q2400-02	B-134-SB01	0.54	35	NA	N/A	16
Q2403-03	LAW-25-0093	0.55	35	NA	N/A	17
Q2403-07	ARS 20-006	0.56	35	NA	N/A	18
Q2403-07DUP	ARS 20-006DUP	0.56	35	NA	N/A	19
Q2403-07MS	ARS 20-006MS	0.57	35	NA	MP86174	20
Q2403-07MSD	ARS 20-006MSD	0.53	35	NA	MP86174	21
Q2405-01	MH-M/H	0.58	35	NA	N/A	22

SAMPLE DATA

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

Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25 08:20
Project:	190 Park Ave Hanover Twp NJ - PO 3556-001	Date Received:	06/23/25
Client Sample ID:	PARK AVE -1	SDG No.:	Q2393
Lab Sample ID:	Q2393-01	Matrix:	SOIL
		% Solid:	83.3

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	0.085	J	1	0.048	0.29	mg/Kg	06/24/25 09:00	06/25/25 10:43	9012B
pH	6.08	H	1	0	0	pH		06/25/25 08:30	9045D

Comments: pH result reported at temperature 24.4 °C

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25 08:28
Project:	190 Park Ave Hanover Twp NJ - PO 3556-001	Date Received:	06/23/25
Client Sample ID:	PARK AVE -2	SDG No.:	Q2393
Lab Sample ID:	Q2393-03	Matrix:	SOIL
		% Solid:	83.5

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	0.071	J	1	0.050	0.30	mg/Kg	06/24/25 09:00	06/25/25 10:43	9012B
pH	5.60	H	1	0	0	pH		06/25/25 08:40	9045D

Comments: pH result reported at temperature 24.7 °C

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25 08:32
Project:	190 Park Ave Hanover Twp NJ - PO 3556-001	Date Received:	06/23/25
Client Sample ID:	PARK AVE -3	SDG No.:	Q2393
Lab Sample ID:	Q2393-05	Matrix:	SOIL
		% Solid:	86.6

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	0.14	J	1	0.047	0.28	mg/Kg	06/24/25 09:00	06/25/25 10:47	9012B
pH	9.75	H	1	0	0	pH		06/25/25 08:50	9045D

Comments: pH result reported at temperature 25.3 °C

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25 08:37
Project:	190 Park Ave Hanover Twp NJ - PO 3556-001	Date Received:	06/23/25
Client Sample ID:	PARK AVE -4	SDG No.:	Q2393
Lab Sample ID:	Q2393-07	Matrix:	SOIL
		% Solid:	87.7

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	0.23	J	1	0.047	0.28	mg/Kg	06/24/25 09:00	06/25/25 10:48	9012B
pH	10.1	H	1	0	0	pH		06/25/25 09:10	9045D

Comments: pH result reported at temperature 24.9 °C

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25 08:43
Project:	190 Park Ave Hanover Twp NJ - PO 3556-001	Date Received:	06/23/25
Client Sample ID:	PARK AVE -5	SDG No.:	Q2393
Lab Sample ID:	Q2393-09	Matrix:	SOIL
		% Solid:	91.3

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	0.21	J	1	0.044	0.26	mg/Kg	06/24/25 09:00	06/25/25 10:48	9012B
pH	9.46	H	1	0	0	pH		06/25/25 09:15	9045D

Comments: pH result reported at temperature 25.0 °C

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25 08:52
Project:	190 Park Ave Hanover Twp NJ - PO 3556-001	Date Received:	06/23/25
Client Sample ID:	PARK AVE -6	SDG No.:	Q2393
Lab Sample ID:	Q2393-11	Matrix:	SOIL
		% Solid:	86.8

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	0.15	J	1	0.048	0.29	mg/Kg	06/24/25 09:00	06/25/25 10:54	9012B
pH	9.77	H	1	0	0	pH		06/25/25 09:25	9045D

Comments: pH result reported at temperature 24.6 °C

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

QC RESULT SUMMARY

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Initial and Continuing Calibration Verification

Client:	Union Paving & Construction Company	**SDG No.:**	Q2393
Project:	190 Park Ave Hanover Twp NJ - PO 3556-001	**RunNo.:**	LB136256

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: **ICV**						
pH	pH	7.01	7	100	90-110	06/25/2025
Sample ID: **CCV1**						
pH	pH	2.01	2.00	101	90-110	06/25/2025
Sample ID: **CCV2**						
pH	pH	12.02	12.00	100	90-110	06/25/2025

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Initial and Continuing Calibration Verification

Client:	Union Paving & Construction Company	**SDG No.:**	Q2393
Project:	190 Park Ave Hanover Twp NJ - PO 3556-001	**RunNo.:**	LB136259

Analyte		Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID:	**ICV1**						
Cyanide		mg/L	0.096	0.099	97	90-110	06/25/2025
Sample ID:	**CCV1**						
Cyanide		mg/L	0.24	0.25	96	90-110	06/25/2025
Sample ID:	**CCV2**						
Cyanide		mg/L	0.24	0.25	96	90-110	06/25/2025
Sample ID:	**CCV3**						
Cyanide		mg/L	0.24	0.25	96	90-110	06/25/2025

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Initial and Continuing Calibration Blank Summary

Client:	Union Paving & Construction Company	**SDG No.:**	Q2393
Project:	190 Park Ave Hanover Twp NJ - PO 3556-001	**RunNo.:**	LB136259

Analyte		Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID:	ICB1							
Cyanide		mg/L	0.0016	0.0025	J	0.00096	0.005	06/25/2025
Sample ID:	CCB1							
Cyanide		mg/L	0.0015	0.0025	J	0.00096	0.005	06/25/2025
Sample ID:	CCB2							
Cyanide		mg/L	0.0012	0.0025	J	0.00096	0.005	06/25/2025
Sample ID:	CCB3							
Cyanide		mg/L	0.0014	0.0025	J	0.00096	0.005	06/25/2025

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Preparation Blank Summary

Client: Union Paving & Construction Company **SDG No.:** Q2393

Project: 190 Park Ave Hanover Twp NJ - PO 3556-001

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: PB168604BL							
Cyanide	mg/Kg	0.067	0.1250	J	0.042	0.25	06/25/2025

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Matrix Spike Summary

Client: Union Paving & Construction Company
SDG No.: Q2393
Project: 190 Park Ave Hanover Twp NJ - PO 3556-001
Sample ID: Q2392-01
Client ID: S-1MS
Percent Solids for Spike Sample: 92.2

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Cyanide	mg/Kg	75-125	2.00		0.087	J	2.1	1	91		06/25/2025

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Matrix Spike Summary

Client: Union Paving & Construction Company
SDG No.: Q2393
Project: 190 Park Ave Hanover Twp NJ - PO 3556-001
Sample ID: Q2392-01
Client ID: S-1MSD
Percent Solids for Spike Sample: 92.2

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Cyanide	mg/Kg	75-125	2.00		0.087	J	2.1	1	91		06/25/2025

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Duplicate Sample Summary

Client: Union Paving & Construction Company
SDG No.: Q2393
Project: 190 Park Ave Hanover Twp NJ - PO 3556-001
Sample ID: Q2392-01
Client ID: S-1DUP
Percent Solids for Spike Sample: 92.2

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Cyanide	mg/Kg	+/-20	0.087	J	0.079	J	1	10		06/25/2025

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Duplicate Sample Summary

Client: Union Paving & Construction Company
SDG No.: Q2393
Project: 190 Park Ave Hanover Twp NJ - PO 3556-001
Sample ID: Q2392-01
Client ID: S-1MSD
Percent Solids for Spike Sample: 92.2

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Cyanide	mg/Kg	+/-20	2.00		2.00		1	0		06/25/2025

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Duplicate Sample Summary

Client: Union Paving & Construction Company
SDG No.: Q2393
Project: 190 Park Ave Hanover Twp NJ - PO 3556-001
Sample ID: Q2393-01
Client ID: PARK AVE -1DUP
Percent Solids for Spike Sample: 83.3

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
pH	pH	+/-20	6.08		6.10		1	0.33		06/25/2025

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Laboratory Control Sample Summary

Client:	Union Paving & Construction Company	**SDG No.:**	Q2393
Project:	190 Park Ave Hanover Twp NJ - PO 3556-001	**Run No.:**	LB136259

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID **PB168604BS**								
Cyanide	mg/Kg	5	4.90		98	1	85-115	06/25/2025

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Instrument ID: WC PH METER-1

Daily Analysis Runlog For Sequence/QCBatch ID # LB136256

Review By	jignesh	Review On	6/25/2025 8:44:05 AM
Supervise By	Iwona	Supervise On	6/25/2025 10:38:49 AM
SubDirectory	LB136256	Test	pH

STD. NAME	STD REF.#
ICAL Standard	N/A
ICV Standard	N/A
CCV Standard	N/A
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	N/A
Chk Standard	W3178,W3093,W3191,W3071,W3161,W3200

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	CAL1	CAL1	CAL	06/25/25 08:10		Jignesh	OK
2	CAL2	CAL2	CAL	06/25/25 08:11		Jignesh	OK
3	CAL3	CAL3	CAL	06/25/25 08:12		Jignesh	OK
4	ICV	ICV	ICV	06/25/25 08:15		Jignesh	OK
5	CCV1	CCV1	CCV	06/25/25 08:20		Jignesh	OK
6	Q2393-01	PARK AVE -1	SAM	06/25/25 08:30		Jignesh	OK
7	Q2393-01DUP	PARK AVE -1DUP	DUP	06/25/25 08:34		Jignesh	OK
8	Q2393-03	PARK AVE -2	SAM	06/25/25 08:40		Jignesh	OK
9	Q2393-05	PARK AVE -3	SAM	06/25/25 08:50		Jignesh	OK
10	Q2393-07	PARK AVE -4	SAM	06/25/25 09:10		Jignesh	OK
11	Q2393-09	PARK AVE -5	SAM	06/25/25 09:15		Jignesh	OK
12	Q2393-11	PARK AVE -6	SAM	06/25/25 09:25		Jignesh	OK
13	Q2410-01	TRE-25-0021	SAM	06/25/25 09:35		Jignesh	OK
14	CCV2	CCV2	CCV	06/25/25 09:40		Jignesh	OK

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Instrument ID: KONELAB

Daily Analysis Runlog For Sequence/QCBatch ID # LB136259

Review By	rubina	Review On	6/26/2025 9:09:48 AM
Supervise By	Iwona	Supervise On	6/26/2025 9:59:56 AM
SubDirectory	LB136259	Test	Cyanide

STD. NAME	STD REF.#
ICAL Standard	WP113660,WP113661,WP113662,WP113663,WP113664,WP113665,WP113666
ICV Standard	W3012
CCV Standard	WP113661
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	WP112995
Chk Standard	WP112643,WP112900,WP113668

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	0.0PPBCN	0.0PPBCN	CAL1	06/25/25 09:56		rubina	OK
2	5.0PPBCN	5.0PPBCN	CAL2	06/25/25 09:56		rubina	OK
3	10PPBCN	10PPBCN	CAL3	06/25/25 09:56		rubina	OK
4	50PPBCN	50PPBCN	CAL4	06/25/25 09:56		rubina	OK
5	100PPBCN	100PPBCN	CAL5	06/25/25 09:56		rubina	OK
6	250PPBCN	250PPBCN	CAL6	06/25/25 09:56		rubina	OK
7	500PPBCN	500PPBCN	CAL7	06/25/25 09:56		rubina	OK
8	ICV1	ICV1	ICV	06/25/25 10:28		rubina	OK
9	ICB1	ICB1	ICB	06/25/25 10:28		rubina	OK
10	CCV1	CCV1	CCV	06/25/25 10:28		rubina	OK
11	CCB1	CCB1	CCB	06/25/25 10:28		rubina	OK
12	PB168604BL	PB168604BL	MB	06/25/25 10:28		rubina	OK
13	PB168604BS	PB168604BS	LCS	06/25/25 10:28		rubina	OK
14	LOWPB168604	LOWPB168604	SAM	06/25/25 10:35		rubina	OK
15	HIGHPB168604	HIGHPB168604	SAM	06/25/25 10:35		rubina	OK
16	Q2392-01	S-1	SAM	06/25/25 10:35		rubina	OK
17	Q2392-01DUP	S-1DUP	DUP	06/25/25 10:35		rubina	OK
18	Q2392-01MS	S-1MS	MS	06/25/25 10:43		rubina	OK

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Instrument ID: KONELAB

Daily Analysis Runlog For Sequence/QCBatch ID # LB136259

Review By	rubina	Review On	6/26/2025 9:09:48 AM
Supervise By	Iwona	Supervise On	6/26/2025 9:59:56 AM
SubDirectory	LB136259	Test	Cyanide

STD. NAME	STD REF.#
ICAL Standard	WP113660,WP113661,WP113662,WP113663,WP113664,WP113665,WP113666
ICV Standard	W3012
CCV Standard	WP113661
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	WP112995
Chk Standard	WP112643,WP112900,WP113668

19	Q2392-01MSD	S-1MSD	MSD	06/25/25 10:43		rubina	OK
20	Q2393-01	PARK AVE -1	SAM	06/25/25 10:43		rubina	OK
21	Q2393-03	PARK AVE -2	SAM	06/25/25 10:43		rubina	OK
22	CCV2	CCV2	CCV	06/25/25 10:43		rubina	OK
23	CCB2	CCB2	CCB	06/25/25 10:47		rubina	OK
24	Q2393-05	PARK AVE -3	SAM	06/25/25 10:47		rubina	OK
25	Q2393-07	PARK AVE -4	SAM	06/25/25 10:48		rubina	OK
26	Q2393-09	PARK AVE -5	SAM	06/25/25 10:48		rubina	OK
27	Q2393-11	PARK AVE -6	SAM	06/25/25 10:54		rubina	OK
28	CCV3	CCV3	CCV	06/25/25 10:54		rubina	OK
29	CCB3	CCB3	CCB	06/25/25 10:54		rubina	OK

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LAB CHRONICLE

OrderID:	Q2393	**OrderDate:**	6/23/2025 11:43:58 AM
Client:	Union Paving & Construction Company	**Project:**	190 Park Ave Hanover Twp NJ - PO 3556-001
Contact:	Gerard Busacco	**Location:**	A22,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2393-01	**PARK AVE -1**	**SOIL**			**06/23/25 08:20**			**06/23/25**
			Cyanide	9012B		06/24/25	06/25/25 10:43	
			pH	9045D			06/25/25 08:30	
Q2393-03	**PARK AVE -2**	**SOIL**			**06/23/25 08:28**			**06/23/25**
			Cyanide	9012B		06/24/25	06/25/25 10:43	
			pH	9045D			06/25/25 08:40	
Q2393-05	**PARK AVE -3**	**SOIL**			**06/23/25 08:32**			**06/23/25**
			Cyanide	9012B		06/24/25	06/25/25 10:47	
			pH	9045D			06/25/25 08:50	
Q2393-07	**PARK AVE -4**	**SOIL**			**06/23/25 08:37**			**06/23/25**
			Cyanide	9012B		06/24/25	06/25/25 10:48	
			pH	9045D			06/25/25 09:10	
Q2393-09	**PARK AVE -5**	**SOIL**			**06/23/25 08:43**			**06/23/25**
			Cyanide	9012B		06/24/25	06/25/25 10:48	

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LAB CHRONICLE

			pH	9045D			06/25/25 09:15	
Q2393-11	**PARK AVE -6**	**SOIL**			**06/23/25 08:52**			**06/23/25**
			Cyanide	9012B		06/24/25	06/25/25 10:54	
			pH	9045D			06/25/25 09:25	

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Soil/Sludge Cyanide Preparation Sheet

PB168604

SOP ID : M9012B-Total, Amenable and Reactive Cyanide-21

SDG No : N/A

Start Digest Date: 06/24/2025 **Time :** 09:00 **Temp :** 124 °C

Matrix : SOIL

End Digest Date: 06/24/2025 **Time :** 10:30 **Temp :** 126 °C

Pippete ID : WC

Balance ID : WC SC-7

Hood ID : HOOD#1

Digestion tube ID : M5595

Block Thermometer ID : WC CYANIDE

Block ID : MC-1,MC-2

Filter paper ID : N/A

Prep Technician Signature: JP

Weigh By : JP

pH Meter ID : N/A

Supervisor Signature: 12

Standared Name	MLS USED	STD REF. # FROM LOG
LCSS	1.0ML	WP112995
MS/MSD SPIKE SOL.	0.40ML	WP113319
PBS003	50.0ML	W3112
N/A	N/A	N/A
N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
0.25N NaOH	50.0ML	WP111294
50% v/v H2SO4	5.0ML	WP112826
51% w/v MgCL2	2.0ML	WP112827
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

LAB SAMPLE ID	CLIENT SAMPLE ID	Wt(g)/Vol(ml)	Comment
S0	S0	N/A	N/A
S5.0	S5.0	N/A	N/A
S10.0	S10.0	N/A	N/A
S100.0	S100.0	N/A	N/A
S250.0	S250.0	N/A	N/A
S500.0	S500.0	N/A	N/A
ICV	ICV	0.5ML	W3012
ICB	ICB	N/A	N/A
CCV	CCV	N/A	N/A
CCB	CCB	N/A	N/A
Midrange	Midrange	N/A	N/A
HIGHSTD	HIGHSTD	5.0ML	WP113319
LOWSTD	LOWSTD	0.1ML	WP113319

Extraction Conformance/Non-Conformance Comments:

N/A

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
06/24/2025 10:45	JP / CAE	RM (WC)
	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

Soil/Sludge Cyanide Preparation Sheet

PB168604

Lab Sample ID	Client Sample ID	Initial Weight (g)	Final Vol (ml)	pH	Sulfide	Oxidizing	Nitrate/ Nitrite	Comment	Prep Pos
PB168604BL	PBS604	1.00	50	N/A	N/A	N/A	N/A	N/A	N/A
PB168604BS	LCS604	1.00	50	N/A	N/A	N/A	N/A	N/A	N/A
Q2392-01DUP	S-1DUP	1.03	50	N/A	N/A	N/A	N/A	N/A	N/A
Q2392-01MS	S-1MS	1.02	50	N/A	N/A	N/A	N/A	N/A	N/A
Q2392-01MSD	S-1MSD	1.03	50	N/A	N/A	N/A	N/A	N/A	N/A
Q2392-01	S-1	1.03	50	N/A	N/A	N/A	N/A	N/A	N/A
Q2393-01	PARK AVE -1	1.04	50	N/A	N/A	N/A	N/A	N/A	N/A
Q2393-03	PARK AVE -2	1.01	50	N/A	N/A	N/A	N/A	N/A	N/A
Q2393-05	PARK AVE -3	1.04	50	N/A	N/A	N/A	N/A	N/A	N/A
Q2393-07	PARK AVE -4	1.02	50	N/A	N/A	N/A	N/A	N/A	N/A
Q2393-09	PARK AVE -5	1.04	50	N/A	N/A	N/A	N/A	N/A	N/A
Q2393-11	PARK AVE -6	1.01	50	N/A	N/A	N/A	N/A	N/A	N/A

SHIPPING DOCUMENTS

Alliance TECHNICAL GROUP

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 • Fax (908) 789-8922
www.chemtech.net

ALLIANCE PROJECT NO.
QUOTE NO. Q2393
COC Number 2046382

11
11.1

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: UNION PAVING & CONSTRUCTION
ADDRESS: 190 PARK AVE
CITY HANOVER TWP STATE: NJ ZIP:
ATTENTION: GERARD BUSACCO
PHONE: (201) 315-5055 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: 190 PARK AVE HANOVER TWP NJ-PO 3555-001
PROJECT NO.: LOCATION:
PROJECT MANAGER:
e-mail:
PHONE: FAX:

CLIENT BILLING INFORMATION

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

DATA TURNAROUND INFORMATION

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

DATA DELIVERABLE INFORMATION

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

ANALYSIS

1: VOCs 2: Cyn. / Met. / Mercury 3: PCBs / Pest. / PH 4: SVOCs 5 6 7 8 9

PRESERVATIVES

E/F E E E

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	1	2	3	4	5	6	7	8	9	COMMENTS
1.	PARK AVE-1	S.	X		6-23	0820	4		X	X	X						
2.	PARK AVE-1			X		0822	4	X									PPM-0.0
3.	PARK AVE-2		X			0828	4		X	X	X						
4.	PARK AVE-2			X		0830	4	X									PPM-0.0
5.	PARK AVE-3		X			0832	4		X	X	X						
6.	PARK AVE-3			X		0834	4	X									PPM-0.0
7.	PARK AVE-4		X			0837	4		X	X	X						
8.	PARK AVE-4			X		0839	4	X									PPM-0.0
9.	PARK AVE-5		X			0843	4		X	X	X						
10.	PARK AVE-5			X		0845	4	X									PPM-0.0

Specify Preservatives: A-HCl D-NaOH B-HN03 E-ICE C-H2SO4 F-OTHER

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

RELINQUISHED BY SAMPLER	DATE/TIME	RECEIVED BY:
1.	1015 6-23-25	1.
2.		2.
3.	1100 6-23-25	3.

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

Page 1 of 2

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete ☐ YES ☐ NO

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Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 • Fax (908) 789-8922
www.chemtech.net

ALLIANCE PROJECT NO.
QUOTE NO. Q2393
COC Number 2046383

11
11.1

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: UNION PAVING & CONSTRUCTION
ADDRESS: 190 PARK AVE
CITY HANOVER TWP STATE: NJ ZIP:
ATTENTION: GERARD BUSACCO
PHONE (201) 315-5055 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: 190 PARK AVE HANOVER TWP NJ-PO 3556-001
PROJECT NO.: LOCATION:
PROJECT MANAGER:
e-mail:
PHONE: FAX:

CLIENT BILLING INFORMATION

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

DATA TURNAROUND INFORMATION

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

DATA DELIVERABLE INFORMATION

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

ANALYSIS

1	2	3	4	5	6	7	8	9
VOCs	CN-Met.-Mercury	PCBs/Pest/PH/SVOCs						

PRESERVATIVES

1	2	3	4	5	6	7	8	9
E/F	E	E						

COMMENTS

← Specify Preservatives
A-HCl D-NaOH
B-HN03 E-ICE
C-H2SO4 F-OTHER

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	1	2	3	4	5	6	7	8	9	COMMENTS
1.	PARK AVE-6	S.	X		6-23	0852	4		X	X							
2.	PARK AVE-6	S.		X	6-23	0854	4	X									PPM-0.0
3.																	
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

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

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1.	1015 6-23-25	1.
2.	DATE/TIME:	2.
3.	DATE/TIME: 1100 6-23-25	3.

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

Page 2 of 2

CLIENT: ❑ Hand Delivered ❑ Other

Shipment Complete
❑ YES ❑ NO

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Alliance TECHNICAL GROUP
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

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2393 UNIO02
Client Name : Union Paving & Constructi
Client Contact : Gerard Busacco
Invoice Name : Union Paving & Constructi
Invoice Contact : Gerard Busacco

Order Date : 6/23/2025 11:43:58 AM
Project Name : 190 Park Ave Hanover Twp
Receive DateTime : 6/23/2025 ~~2:00:00 PM~~ 11:40 PM
Purchase Order :

Project Mgr :
Report Type : Level 3
EDD Type : Excel NJ
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q2393-02	PARK AVE -1	Solid	06/23/2025	08:22	VOC-TCLVOA-10		8260D		~~10~~ Bus. Days 5
Q2393-04	PARK AVE -2	Solid	06/23/2025	08:30	VOC-TCLVOA-10		8260D		~~10~~ Bus. Days 5
Q2393-06	PARK AVE -3	Solid	06/23/2025	08:34	VOC-TCLVOA-10		8260D		~~10~~ Bus. Days 5
Q2393-08	PARK AVE -4	Solid	06/23/2025	08:39	VOC-TCLVOA-10		8260D		~~10~~ Bus. Days 5
Q2393-10	PARK AVE -5	Solid	06/23/2025	08:45	VOC-TCLVOA-10		8260D		~~10~~ Bus. Days 5
Q2393-12	PARK AVE -6	Solid	06/23/2025	08:54	VOC-TCLVOA-10		8260D		~~10~~ Bus. Days 5

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2393 UNIO02
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Order Date : 6/23/2025 11:43:58 AM
Project Name : 190 Park Ave Hanover Twp
Receive DateTime : 6/23/2025 ~~2:00:00 PM~~ 11:00 AM
Purchase Order :

Project Mgr :
Report Type : Level 3
EDD Type : Excel NJ
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES

Relinguished By :
Date / Time : 6/23/25 1330

Received By :
Date / Time : 06/23/25 13:30
Storage Area : VOA Refridgerator Room

Reg # 6
F72