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

DATA PACKAGE

METALS
GC SEMI-VOLATILES
SEMI-VOLATILE ORGANICS
VOLATILE ORGANICS

PROJECT NAME : SOUTH RIVER WM REPLACEMENT

CDM SMITH

110 Fieldcrest Ave

Raritan Center

Edison, NJ - 08837

Phone No: 732-225-7000

ORDER ID : Q2150

ATTENTION : Marcie Ann Encinas

Laboratory Certification ID # 20012

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Cover Page

Order ID : Q2150

Project ID : South River WM Replacement

Client : CDM Smith

Lab Sample Number	Client Sample Number
Q2150-01	TP-44
Q2150-02	TP-42
Q2150-03	TP-39
Q2150-04	TP-48
Q2150-05	TP-47
Q2150-06	TP-50
Q2150-07	TP-51
Q2150-08	TP-52
Q2150-09	TP-54
Q2150-10	TP-53

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 10:18 am, Jun 12, 2025

Date: 6/12/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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CASE NARRATIVE

CDM Smith
Project Name: South River WM Replacement
Project # N/A
Order ID # Q2150
Test Name: VOC-TCLVOA-10

A. Number of Samples and Date of Receipt:
10 Solid samples were received on 05/28/2025.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Diesel Range Organics, Gasoline Range Organics, Herbicide, Mercury, Metals ICP-TAL, METALS-TAL, PCB, Pesticide-TCL, 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 except for TP-47 [Dibromofluoromethane - 65%]. The failure samples in surrogates was reanalyzed to confirm the failure as per method and reported.

The Internal Standards Areas met the acceptable requirements except for,
TP-47, TP-47RE, The failure samples in internal standard was reanalyzed to confirm the failure as per method and reported.

The Retention Times were acceptable for all samples.
The RPD met criteria.

The Blank Spike for {VY0529SBS01} with File ID: VY022455.D met requirements for all samples except for Chloroethane[133%], failing high but no positive hit in associated samples therefore no corrective action taken.

The Blank Spike Duplicate for {VY0529SBSD01} with File ID: VY022456.D met requirements for all samples except for Bromomethane[144%], Chloroethane[135%] , failing high but no positive hit in associated samples therefore no corrective action taken.

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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:
The Sample TP-44, TP-39 and TP-54 have the concentration of target compound below method detection limits; therefore it is not reported as Hit in Form1
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.
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

CDM Smith
Project Name: South River WM Replacement
Project # N/A
Order ID # Q2150
Test Name: Gasoline Range Organics

A. Number of Samples and Date of Receipt:
10 Solid samples were received on 05/28/2025.

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

C. Analytical Techniques:
The analysis performed on instrument FID_B were done using GC column RTX502.2 which is 60 meters, 0.53mm ID, 3.0 um df, cat#10909.The analysis of Gasoline Range Organics was based on method 8015D.

D. QA/ QC Samples:
The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria except for TP-48 [AAA-TFT - 28%]. For this sample, Surrogate was failed in Vial A, for confirmation reanalyzed Vial B, which was not purged, therefore Vial A is reported as final results.
.
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 .

E. Additional Comments:
Sample TP-53 was directly run in methanol as both low level soil vials did not purge.

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

F. Manual Integration Comments:

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

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Signature APPROVED
By Nimisha Pandya, QA/QC Supervisor at 10:20 am, Jun 12, 2025

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CASE NARRATIVE

CDM Smith
Project Name: South River WM Replacement
Project # N/A
Order ID # Q2150
Test Name: SVOC-TCL BNA -20

A. Number of Samples and Date of Receipt:
10 Solid samples were received on 05/28/2025.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Diesel Range Organics, Gasoline Range Organics, Herbicide, Mercury, Metals ICP-TAL, METALS-TAL, PCB, Pesticide-TCL, 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 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.

Sample TP-44 was diluted due to high concentration.

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

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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.

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By Nimisha Pandya, QA/QC Supervisor at 10:20 am, Jun 12, 2025

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CASE NARRATIVE

CDM Smith
Project Name: South River WM Replacement
Project # N/A
Order ID # Q2150
Test Name: Pesticide-TCL

A. Number of Samples and Date of Receipt:
10 Solid samples were received on 05/28/2025.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Diesel Range Organics, Gasoline Range Organics, Herbicide, Mercury, Metals ICP-TAL, METALS-TAL, PCB, Pesticide-TCL, 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_L. 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 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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Signature **APPROVED**
By Nimisha Pandya, QA/QC Supervisor at 10:20 am, Jun 12, 2025

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CASE NARRATIVE

CDM Smith
Project Name: South River WM Replacement
Project # N/A
Order ID # Q2150
Test Name: PCB

A. Number of Samples and Date of Receipt:
10 Solid samples were received on 05/28/2025.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Diesel Range Organics, Gasoline Range Organics, Herbicide, Mercury, Metals ICP-TAL, METALS-TAL, PCB, Pesticide-TCL, 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 {Q2150-02MS} with File ID: PP072470.D recoveries met the requirements for all compounds except for [AR1016(1)- 38%], [AR1016(2)- 44%], due to matrix interference. .

The MSD {Q2150-02MSD} with File ID: PP072471.D recoveries met the acceptable requirements except for [AR1016(1)- 39%], [AR1016(2)- 45%], due to matrix interference.

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 .

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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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Signature APPROVED
By Nimisha Pandya, QA/QC Supervisor at 10:20 am, Jun 12, 2025

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CASE NARRATIVE

CDM Smith
Project Name: South River WM Replacement
Project # N/A
Order ID # Q2150
Test Name: Herbicide

A. Number of Samples and Date of Receipt:
10 Solid samples were received on 05/28/2025.

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

C. Analytical Techniques:
The analysis was performed on instrument ECD_S. The front column is RTX-CLPesticides which is 30 meters, 0.32 mm ID, 0. 5 um df,: Catalog # 11139. The rear column is RTX-CLPesticides2 which is 30 meters, 0.32 mm ID, 0.25 um df, Catalog #: 11324The analysis of Herbicides was based on method 8151A 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 {Q2130-01MS} with File ID: PS030577.D recoveries met the requirements for all compounds except for [Dinoseb(1)- 9%] due to matrix interference.

The MSD {Q2130-01MSD} with File ID: PS030578.D recoveries met the acceptable requirements except for [Dinoseb(1)- 9%] due to matrix interference.

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.

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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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Signature APPROVED
By Nimisha Pandya, QA/QC Supervisor at 10:20 am, Jun 12, 2025

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CASE NARRATIVE

CDM Smith
Project Name: South River WM Replacement
Project # N/A
Order ID # Q2150
Test Name: Diesel Range Organics

A. Number of Samples and Date of Receipt:
10 Solid samples were received on 05/28/2025.

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

C. Analytical Techniques:
The analysis were performed on instrument FID_G. The column is RXI-1MS which is 20 meters, 0.18mm ID, 0.18 um df, catalog 13302.The analysis of Diesel Range Organics was based on method 8015D 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.

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

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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 10:21 am, Jun 12, 2025

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CASE NARRATIVE

CDM Smith
Project Name: South River WM Replacement
Project # N/A
Order ID # Q2150
Test Name: Mercury,Metals ICP-TAL

A. Number of Samples and Date of Receipt:
10 Solid samples were received on 05/28/2025.

B. Parameters:
According to the Chain of Custody document, the following analyses were requested: Diesel Range Organics, Gasoline Range Organics, Herbicide, Mercury, Metals ICP-TAL, METALS-TAL, PCB, Pesticide-TCL, 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 samples.
The Duplicate (OK-02-05292025DUP) analysis met criteria for all samples except for Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Potassium, due to sample matrix interference.
The Matrix Spike (OK-02-05292025MS) analysis met criteria for all samples except for Antimony, Beryllium, Copper, Potassium, Sodium, due to Chemical Interference during Digestion Process.
The Matrix Spike Duplicate (OK-02-05292025MSD) analysis met criteria for all samples except for Antimony, due to Chemical Interference during Digestion Process.
The Blank analysis did not indicate the presence of lab contamination.
The Calibration met the requirements.
The Serial Dilution (OK-02-05292025L) met criteria for all samples except for Aluminum, Calcium, Copper, Magnesium, Manganese, due to sample matrix interference.

E. Additional Comments:
In analytical Sequence LB135981, The % Recovery outside limit for all parameter of CCV10 but, no any samples associated under this CCV.
The Post Digest Spike (OK-02-05292025A) analysis met criteria for all samples except for Potassium, Sodium 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

---

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Signature_____ APPROVED
By Nimisha Pandya, QA/QC Supervisor at 10:21 am, Jun 12, 2025

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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 #: Q2150

	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: SOHIL JODHANI **Date:** 06/12/2025

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

Hit Summary Sheet
SW-846

SDG No.: Q2150

Client: CDM Smith

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Client ID:	**TP-44**								
Q2150-01	TP-44	SOIL	Acetone		16.9	J	4.10	21.6	ug/Kg
			Total Voc :		16.9				
Q2150-01	TP-44	SOIL	11H-Dibenzo[b,e][1,4]diazepin	*	6.70	J	0	0	ug/Kg
			Total Tics :		6.70				
			Total Concentration:		23.6				
Client ID:	**TP-42**								
Q2150-02	TP-42	SOIL	Acetone		20.9	J	4.20	22.2	ug/Kg
			Total Voc :		20.9				
Q2150-02	TP-42	SOIL	Tert butyl alcohol	*	18.4	J	12.2	22.2	ug/Kg
			Total Tics :		18.4				
			Total Concentration:		39.3				
Client ID:	**TP-39**								
Q2150-03	TP-39	SOIL	Acetone		14.1	J	3.90	20.6	ug/Kg
Q2150-03	TP-39	SOIL	Benzene		7.20		0.65	4.10	ug/Kg
			Total Voc :		21.3				
			Total Concentration:		21.3				
Client ID:	**TP-48**								
Q2150-04	TP-48	SOIL	Acetone		13.1	J	4.50	23.8	ug/Kg
			Total Voc :		13.1				
			Total Concentration:		13.1				
Client ID:	**TP-47**								
Q2150-05	TP-47	SOIL	1-Methyldecylamine	*	28.7	J	0	0	ug/Kg
			Total Tics :		28.7				
			Total Concentration:		28.7				
Client ID:	**TP-51**								
Q2150-07	TP-51	SOIL	Acetone		48.0		3.80	19.8	ug/Kg
Q2150-07	TP-51	SOIL	Methylene Chloride		3.10	J	2.80	7.90	ug/Kg
Q2150-07	TP-51	SOIL	2-Butanone		9.10	J	5.20	19.8	ug/Kg
Q2150-07	TP-51	SOIL	Benzene		2.80	J	0.63	4.00	ug/Kg
Q2150-07	TP-51	SOIL	m/p-Xylenes		1.20	J	0.98	7.90	ug/Kg
Q2150-07	TP-51	SOIL	Isopropylbenzene		2.90	J	0.62	4.00	ug/Kg
			Total Voc :		67.1				
Q2150-07	TP-51	SOIL	Benzene, 1-ethyl-2-methyl-	*	4.50	J	0	0	ug/Kg
Q2150-07	TP-51	SOIL	Bi-2-cyclohexen-1-yl	*	5.30	J	0	0	ug/Kg
Q2150-07	TP-51	SOIL	Salicylic acid, 2TMS derivative	*	7.00	J	0	0	ug/Kg
Q2150-07	TP-51	SOIL	Pentacyclo[6.3.1.0(2,7).0(3,5).(	*	5.00	J	0	0	ug/Kg
Q2150-07	TP-51	SOIL	11H-Dibenzo[b,e][1,4]diazepin	*	7.00	J	0	0	ug/Kg
			Total Tics :		28.8				

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Hit Summary Sheet
SW-846

SDG No.: Q2150

Client: CDM Smith

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
			Total Concentration:	95.9				
Client ID:	**TP-54**							
Q2150-09	TP-54	SOIL	Acetone	21.8		3.60	19.0	ug/Kg
			Total Voc :	21.8				
Q2150-09	TP-54	SOIL	11H-Dibenzo[b,e][1,4]diazepin *	6.00	J	0	0	ug/Kg
			Total Tics :	6.00				
			Total Concentration:	27.8				
Client ID:	**TP-53**							
Q2150-10	TP-53	SOIL	Methylene Chloride	2.80	J	2.70	7.50	ug/Kg
			Total Voc :	2.80				
			Total Concentration:	2.80				

SAMPLE DATA

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-44	SDG No.:	Q2150
Lab Sample ID:	Q2150-01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	78.9
Sample Wt/Vol:	7.32 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:	Prep Date	Date Analyzed	Prep Batch ID
VY022460.D	1		05/29/25 12:25	VY052925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.99	U	0.99	4.30	ug/Kg
74-87-3	Chloromethane	0.99	U	0.99	4.30	ug/Kg
75-01-4	Vinyl Chloride	0.68	U	0.68	4.30	ug/Kg
74-83-9	Bromomethane	0.93	UQ	0.93	4.30	ug/Kg
75-00-3	Chloroethane	1.10	UQ	1.10	4.30	ug/Kg
75-69-4	Trichlorofluoromethane	1.00	U	1.00	4.30	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.92	U	0.92	4.30	ug/Kg
75-35-4	1,1-Dichloroethene	0.87	U	0.87	4.30	ug/Kg
67-64-1	Acetone	16.9	J	4.10	21.6	ug/Kg
75-15-0	Carbon Disulfide	0.92	U	0.92	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	3.10	U	3.10	8.70	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	5.70	U	5.70	21.6	ug/Kg
56-23-5	Carbon Tetrachloride	0.84	U	0.84	4.30	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.65	U	0.65	4.30	ug/Kg
74-97-5	Bromochloromethane	1.00	U	1.00	4.30	ug/Kg
67-66-3	Chloroform	0.73	U	0.73	4.30	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.81	U	0.81	4.30	ug/Kg
108-87-2	Methylcyclohexane	0.79	U	0.79	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	0.79	U	0.79	4.30	ug/Kg
75-27-4	Bromodichloromethane	0.68	U	0.68	4.30	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.10	U	3.10	21.6	ug/Kg
108-88-3	Toluene	0.68	U	0.68	4.30	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-44	SDG No.:	Q2150
Lab Sample ID:	Q2150-01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	78.9
Sample Wt/Vol:	7.32 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:	Prep Date	Date Analyzed	Prep Batch ID
VY022460.D	1		05/29/25 12:25	VY052925

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	0.54	U	0.54	4.30	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.80	U	0.80	4.30	ug/Kg
591-78-6	2-Hexanone	3.20	U	3.20	21.6	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	0.91	U	0.91	4.30	ug/Kg
108-90-7	Chlorobenzene	0.79	U	0.79	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	8.70	ug/Kg
95-47-6	o-Xylene	0.71	U	0.71	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	0.68	U	0.68	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	1.40	U	1.40	4.30	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.30	U	1.30	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	2.80	U	2.80	4.30	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.9		63 - 155	106%	SPK: 50
1868-53-7	Dibromofluoromethane	51.4		70 - 134	103%	SPK: 50
2037-26-5	Toluene-d8	49.3		74 - 123	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	37.6		17 - 146	75%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	285000	7.713			
540-36-3	1,4-Difluorobenzene	526000	8.622			
3114-55-4	Chlorobenzene-d5	403000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	124000	13.347			
TENTATIVE IDENTIFIED COMPOUNDS						

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-44	SDG No.:	Q2150
Lab Sample ID:	Q2150-01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	78.9
Sample Wt/Vol:	7.32 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:	Prep Date	Date Analyzed	Prep Batch ID
VY022460.D	1		05/29/25 12:25	VY052925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
013450-73-2	11H-Dibenzo[b,e][1,4]diazepin-11-o	6.70	J		13.9	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:	CDM Smith	Date Collected:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-42	SDG No.:	Q2150
Lab Sample ID:	Q2150-02	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	86.2
Sample Wt/Vol:	6.52 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:	Prep Date	Date Analyzed	Prep Batch ID
VY022506.D	1		06/02/25 18:44	VY060225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	1.00	4.40	ug/Kg
74-87-3	Chloromethane	1.00	U	1.00	4.40	ug/Kg
75-01-4	Vinyl Chloride	0.70	U	0.70	4.40	ug/Kg
74-83-9	Bromomethane	0.95	U	0.95	4.40	ug/Kg
75-00-3	Chloroethane	1.10	U	1.10	4.40	ug/Kg
75-69-4	Trichlorofluoromethane	1.10	U	1.10	4.40	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.94	U	0.94	4.40	ug/Kg
75-35-4	1,1-Dichloroethene	0.89	U	0.89	4.40	ug/Kg
67-64-1	Acetone	20.9	J	4.20	22.2	ug/Kg
75-15-0	Carbon Disulfide	0.94	U	0.94	4.40	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.65	U	0.65	4.40	ug/Kg
79-20-9	Methyl Acetate	1.40	U	1.40	4.40	ug/Kg
75-09-2	Methylene Chloride	3.10	U	3.10	8.90	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.77	U	0.77	4.40	ug/Kg
75-34-3	1,1-Dichloroethane	0.71	U	0.71	4.40	ug/Kg
110-82-7	Cyclohexane	0.70	U	0.70	4.40	ug/Kg
78-93-3	2-Butanone	5.80	U	5.80	22.2	ug/Kg
56-23-5	Carbon Tetrachloride	0.86	U	0.86	4.40	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.67	U	0.67	4.40	ug/Kg
74-97-5	Bromochloromethane	1.00	U	1.00	4.40	ug/Kg
67-66-3	Chloroform	0.75	U	0.75	4.40	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.83	U	0.83	4.40	ug/Kg
108-87-2	Methylcyclohexane	0.81	U	0.81	4.40	ug/Kg
71-43-2	Benzene	0.70	U	0.70	4.40	ug/Kg
107-06-2	1,2-Dichloroethane	0.70	U	0.70	4.40	ug/Kg
79-01-6	Trichloroethene	0.72	U	0.72	4.40	ug/Kg
78-87-5	1,2-Dichloropropane	0.81	U	0.81	4.40	ug/Kg
75-27-4	Bromodichloromethane	0.69	U	0.69	4.40	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.20	U	3.20	22.2	ug/Kg
108-88-3	Toluene	0.69	U	0.69	4.40	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-42	SDG No.:	Q2150
Lab Sample ID:	Q2150-02	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	86.2
Sample Wt/Vol:	6.52 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:	Prep Date	Date Analyzed	Prep Batch ID
VY022506.D	1		06/02/25 18:44	VY060225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.58	U	0.58	4.40	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.55	U	0.55	4.40	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.82	U	0.82	4.40	ug/Kg
591-78-6	2-Hexanone	3.30	U	3.30	22.2	ug/Kg
124-48-1	Dibromochloromethane	0.77	U	0.77	4.40	ug/Kg
106-93-4	1,2-Dibromoethane	0.78	U	0.78	4.40	ug/Kg
127-18-4	Tetrachloroethene	0.93	U	0.93	4.40	ug/Kg
108-90-7	Chlorobenzene	0.81	U	0.81	4.40	ug/Kg
100-41-4	Ethyl Benzene	0.60	U	0.60	4.40	ug/Kg
179601-23-1	m/p-Xylenes	1.10	U	1.10	8.90	ug/Kg
95-47-6	o-Xylene	0.73	U	0.73	4.40	ug/Kg
100-42-5	Styrene	0.63	U	0.63	4.40	ug/Kg
75-25-2	Bromoform	0.77	U	0.77	4.40	ug/Kg
98-82-8	Isopropylbenzene	0.69	U	0.69	4.40	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.10	U	1.10	4.40	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.50	U	1.50	4.40	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.40	U	1.40	4.40	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.30	U	1.30	4.40	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.60	U	1.60	4.40	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.60	U	2.60	4.40	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2.80	U	2.80	4.40	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	54.6		63 - 155	109%	SPK: 50
1868-53-7	Dibromofluoromethane	51.8		70 - 134	104%	SPK: 50
2037-26-5	Toluene-d8	50.1		74 - 123	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	41.7		17 - 146	83%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	279000	7.713			
540-36-3	1,4-Difluorobenzene	515000	8.616			
3114-55-4	Chlorobenzene-d5	412000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	143000	13.346			
TENTATIVE IDENTIFIED COMPOUNDS						

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-42	SDG No.:	Q2150
Lab Sample ID:	Q2150-02	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	86.2
Sample Wt/Vol:	6.52 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:	Prep Date	Date Analyzed	Prep Batch ID
VY022506.D	1		06/02/25 18:44	VY060225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
75-65-0	Tert butyl alcohol	18.4	J		4.88	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:	CDM Smith	Date Collected:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-39	SDG No.:	Q2150
Lab Sample ID:	Q2150-03	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	83.7
Sample Wt/Vol:	7.24 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:	Prep Date	Date Analyzed	Prep Batch ID
VY022462.D	1		05/29/25 13:12	VY052925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.94	U	0.94	4.10	ug/Kg
74-87-3	Chloromethane	0.94	U	0.94	4.10	ug/Kg
75-01-4	Vinyl Chloride	0.65	U	0.65	4.10	ug/Kg
74-83-9	Bromomethane	0.88	UQ	0.88	4.10	ug/Kg
75-00-3	Chloroethane	1.00	UQ	1.00	4.10	ug/Kg
75-69-4	Trichlorofluoromethane	1.00	U	1.00	4.10	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.87	U	0.87	4.10	ug/Kg
75-35-4	1,1-Dichloroethene	0.83	U	0.83	4.10	ug/Kg
67-64-1	Acetone	14.1	J	3.90	20.6	ug/Kg
75-15-0	Carbon Disulfide	0.87	U	0.87	4.10	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.60	U	0.60	4.10	ug/Kg
79-20-9	Methyl Acetate	1.30	U	1.30	4.10	ug/Kg
75-09-2	Methylene Chloride	2.90	U	2.90	8.30	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.71	U	0.71	4.10	ug/Kg
75-34-3	1,1-Dichloroethane	0.66	U	0.66	4.10	ug/Kg
110-82-7	Cyclohexane	0.65	U	0.65	4.10	ug/Kg
78-93-3	2-Butanone	5.40	U	5.40	20.6	ug/Kg
56-23-5	Carbon Tetrachloride	0.80	U	0.80	4.10	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.62	U	0.62	4.10	ug/Kg
74-97-5	Bromochloromethane	0.95	U	0.95	4.10	ug/Kg
67-66-3	Chloroform	0.69	U	0.69	4.10	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.77	U	0.77	4.10	ug/Kg
108-87-2	Methylcyclohexane	0.75	U	0.75	4.10	ug/Kg
71-43-2	Benzene	7.20		0.65	4.10	ug/Kg
107-06-2	1,2-Dichloroethane	0.65	U	0.65	4.10	ug/Kg
79-01-6	Trichloroethene	0.67	U	0.67	4.10	ug/Kg
78-87-5	1,2-Dichloropropane	0.75	U	0.75	4.10	ug/Kg
75-27-4	Bromodichloromethane	0.64	U	0.64	4.10	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.00	U	3.00	20.6	ug/Kg
108-88-3	Toluene	0.64	U	0.64	4.10	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-39	SDG No.:	Q2150
Lab Sample ID:	Q2150-03	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	83.7
Sample Wt/Vol:	7.24 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:	Prep Date	Date Analyzed	Prep Batch ID
VY022462.D	1		05/29/25 13:12	VY052925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.54	U	0.54	4.10	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.51	U	0.51	4.10	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.76	U	0.76	4.10	ug/Kg
591-78-6	2-Hexanone	3.00	U	3.00	20.6	ug/Kg
124-48-1	Dibromochloromethane	0.72	U	0.72	4.10	ug/Kg
106-93-4	1,2-Dibromoethane	0.73	U	0.73	4.10	ug/Kg
127-18-4	Tetrachloroethene	0.87	U	0.87	4.10	ug/Kg
108-90-7	Chlorobenzene	0.75	U	0.75	4.10	ug/Kg
100-41-4	Ethyl Benzene	0.55	U	0.55	4.10	ug/Kg
179601-23-1	m/p-Xylenes	1.00	U	1.00	8.30	ug/Kg
95-47-6	o-Xylene	0.68	U	0.68	4.10	ug/Kg
100-42-5	Styrene	0.59	U	0.59	4.10	ug/Kg
75-25-2	Bromoform	0.71	U	0.71	4.10	ug/Kg
98-82-8	Isopropylbenzene	0.64	U	0.64	4.10	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	1.00	4.10	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.40	U	1.40	4.10	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.30	U	1.30	4.10	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.20	U	1.20	4.10	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.50	U	1.50	4.10	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.50	U	2.50	4.10	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2.60	U	2.60	4.10	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.3		63 - 155	97%	SPK: 50
1868-53-7	Dibromofluoromethane	49.9		70 - 134	100%	SPK: 50
2037-26-5	Toluene-d8	49.8		74 - 123	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	37.8		17 - 146	76%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	305000	7.713			
540-36-3	1,4-Difluorobenzene	550000	8.622			
3114-55-4	Chlorobenzene-d5	413000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	137000	13.346			

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-39	SDG No.:	Q2150
Lab Sample ID:	Q2150-03	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	83.7
Sample Wt/Vol:	7.24 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:	Prep Date	Date Analyzed	Prep Batch ID
VY022462.D	1		05/29/25 13:12	VY052925

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:	CDM Smith	Date Collected:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-48	SDG No.:	Q2150
Lab Sample ID:	Q2150-04	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	80.7
Sample Wt/Vol:	6.52 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:	Prep Date	Date Analyzed	Prep Batch ID
VY022463.D	1		05/29/25 13:36	VY052925

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	0.75	U	0.75	4.80	ug/Kg
74-83-9	Bromomethane	1.00	UQ	1.00	4.80	ug/Kg
75-00-3	Chloroethane	1.20	UQ	1.20	4.80	ug/Kg
75-69-4	Trichlorofluoromethane	1.10	U	1.10	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	0.95	U	0.95	4.80	ug/Kg
67-64-1	Acetone	13.1	J	4.50	23.8	ug/Kg
75-15-0	Carbon Disulfide	1.00	U	1.00	4.80	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.69	U	0.69	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	9.50	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.82	U	0.82	4.80	ug/Kg
75-34-3	1,1-Dichloroethane	0.76	U	0.76	4.80	ug/Kg
110-82-7	Cyclohexane	0.75	U	0.75	4.80	ug/Kg
78-93-3	2-Butanone	6.20	U	6.20	23.8	ug/Kg
56-23-5	Carbon Tetrachloride	0.92	U	0.92	4.80	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.71	U	0.71	4.80	ug/Kg
74-97-5	Bromochloromethane	1.10	U	1.10	4.80	ug/Kg
67-66-3	Chloroform	0.80	U	0.80	4.80	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.88	U	0.88	4.80	ug/Kg
108-87-2	Methylcyclohexane	0.86	U	0.86	4.80	ug/Kg
71-43-2	Benzene	0.75	U	0.75	4.80	ug/Kg
107-06-2	1,2-Dichloroethane	0.75	U	0.75	4.80	ug/Kg
79-01-6	Trichloroethene	0.77	U	0.77	4.80	ug/Kg
78-87-5	1,2-Dichloropropane	0.86	U	0.86	4.80	ug/Kg
75-27-4	Bromodichloromethane	0.74	U	0.74	4.80	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.40	U	3.40	23.8	ug/Kg
108-88-3	Toluene	0.74	U	0.74	4.80	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-48	SDG No.:	Q2150
Lab Sample ID:	Q2150-04	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	80.7
Sample Wt/Vol:	6.52 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:	Prep Date	Date Analyzed	Prep Batch ID
VY022463.D	1		05/29/25 13:36	VY052925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.62	U	0.62	4.80	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.59	U	0.59	4.80	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.87	U	0.87	4.80	ug/Kg
591-78-6	2-Hexanone	3.50	U	3.50	23.8	ug/Kg
124-48-1	Dibromochloromethane	0.83	U	0.83	4.80	ug/Kg
106-93-4	1,2-Dibromoethane	0.84	U	0.84	4.80	ug/Kg
127-18-4	Tetrachloroethene	1.00	U	1.00	4.80	ug/Kg
108-90-7	Chlorobenzene	0.86	U	0.86	4.80	ug/Kg
100-41-4	Ethyl Benzene	0.64	U	0.64	4.80	ug/Kg
179601-23-1	m/p-Xylenes	1.20	U	1.20	9.50	ug/Kg
95-47-6	o-Xylene	0.78	U	0.78	4.80	ug/Kg
100-42-5	Styrene	0.67	U	0.67	4.80	ug/Kg
75-25-2	Bromoform	0.82	U	0.82	4.80	ug/Kg
98-82-8	Isopropylbenzene	0.74	U	0.74	4.80	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.10	U	1.10	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	1.70	U	1.70	4.80	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.80	U	2.80	4.80	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.00	U	3.00	4.80	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	59.1		63 - 155	118%	SPK: 50
1868-53-7	Dibromofluoromethane	52.7		70 - 134	105%	SPK: 50
2037-26-5	Toluene-d8	50.5		74 - 123	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	43.0		17 - 146	86%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	279000	7.719			
540-36-3	1,4-Difluorobenzene	518000	8.622			
3114-55-4	Chlorobenzene-d5	419000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	156000	13.352			

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-48	SDG No.:	Q2150
Lab Sample ID:	Q2150-04	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	80.7
Sample Wt/Vol:	6.52 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:	Prep Date	Date Analyzed	Prep Batch ID
VY022463.D	1		05/29/25 13:36	VY052925

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:	CDM Smith	Date Collected:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-47	SDG No.:	Q2150
Lab Sample ID:	Q2150-05	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	81
Sample Wt/Vol:	7.15 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:	Prep Date	Date Analyzed	Prep Batch ID
VY022464.D	1		05/29/25 13:59	VY052925

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	UQ	0.92	4.30	ug/Kg
75-00-3	Chloroethane	1.10	UQ	1.10	4.30	ug/Kg
75-69-4	Trichlorofluoromethane	1.00	U	1.00	4.30	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.92	U	0.92	4.30	ug/Kg
75-35-4	1,1-Dichloroethene	0.86	U	0.86	4.30	ug/Kg
67-64-1	Acetone	4.10	U	4.10	21.6	ug/Kg
75-15-0	Carbon Disulfide	0.92	U	0.92	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	5.60	U	5.60	21.6	ug/Kg
56-23-5	Carbon Tetrachloride	0.84	U	0.84	4.30	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.65	U	0.65	4.30	ug/Kg
74-97-5	Bromochloromethane	0.99	U	0.99	4.30	ug/Kg
67-66-3	Chloroform	0.73	U	0.73	4.30	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.80	U	0.80	4.30	ug/Kg
108-87-2	Methylcyclohexane	0.79	U	0.79	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	0.79	U	0.79	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	21.6	ug/Kg
108-88-3	Toluene	0.67	U	0.67	4.30	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-47	SDG No.:	Q2150
Lab Sample ID:	Q2150-05	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	81
Sample Wt/Vol:	7.15 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:	Prep Date	Date Analyzed	Prep Batch ID
VY022464.D	1		05/29/25 13:59	VY052925

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	0.54	U	0.54	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	21.6	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	0.91	U	0.91	4.30	ug/Kg
108-90-7	Chlorobenzene	0.79	U	0.79	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	0.71	U	0.71	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	1.30	U	1.30	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	31.9		63 - 155	64%	SPK: 50
1868-53-7	Dibromofluoromethane	32.5	*	70 - 134	65%	SPK: 50
2037-26-5	Toluene-d8	43.4		74 - 123	87%	SPK: 50
460-00-4	4-Bromofluorobenzene	20.5		17 - 146	41%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	18600	7.719			
540-36-3	1,4-Difluorobenzene	25900	8.621			
3114-55-4	Chlorobenzene-d5	13700	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	2220	13.346			
TENTATIVE IDENTIFIED COMPOUNDS						

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-47	SDG No.:	Q2150
Lab Sample ID:	Q2150-05	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	81
Sample Wt/Vol:	7.15 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:	Prep Date	Date Analyzed	Prep Batch ID
VY022464.D	1		05/29/25 13:59	VY052925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
013205-56-6	1-Methyldecylamine	28.7	J		2.12	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
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Report of Analysis

Client:	CDM Smith	Date Collected:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-47RE	SDG No.:	Q2150
Lab Sample ID:	Q2150-05RE	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	81
Sample Wt/Vol:	7.48 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:	Prep Date	Date Analyzed	Prep Batch ID
VY022507.D	1		06/02/25 19:08	VY060225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.94	U	0.94	4.10	ug/Kg
74-87-3	Chloromethane	0.94	U	0.94	4.10	ug/Kg
75-01-4	Vinyl Chloride	0.65	U	0.65	4.10	ug/Kg
74-83-9	Bromomethane	0.88	U	0.88	4.10	ug/Kg
75-00-3	Chloroethane	1.00	U	1.00	4.10	ug/Kg
75-69-4	Trichlorofluoromethane	1.00	U	1.00	4.10	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.87	U	0.87	4.10	ug/Kg
75-35-4	1,1-Dichloroethene	0.83	U	0.83	4.10	ug/Kg
67-64-1	Acetone	3.90	U	3.90	20.6	ug/Kg
75-15-0	Carbon Disulfide	0.87	U	0.87	4.10	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.60	U	0.60	4.10	ug/Kg
79-20-9	Methyl Acetate	1.30	U	1.30	4.10	ug/Kg
75-09-2	Methylene Chloride	2.90	U	2.90	8.30	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.71	U	0.71	4.10	ug/Kg
75-34-3	1,1-Dichloroethane	0.66	U	0.66	4.10	ug/Kg
110-82-7	Cyclohexane	0.65	U	0.65	4.10	ug/Kg
78-93-3	2-Butanone	5.40	U	5.40	20.6	ug/Kg
56-23-5	Carbon Tetrachloride	0.80	U	0.80	4.10	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.62	U	0.62	4.10	ug/Kg
74-97-5	Bromochloromethane	0.95	U	0.95	4.10	ug/Kg
67-66-3	Chloroform	0.69	U	0.69	4.10	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.77	U	0.77	4.10	ug/Kg
108-87-2	Methylcyclohexane	0.75	U	0.75	4.10	ug/Kg
71-43-2	Benzene	0.65	U	0.65	4.10	ug/Kg
107-06-2	1,2-Dichloroethane	0.65	U	0.65	4.10	ug/Kg
79-01-6	Trichloroethene	0.67	U	0.67	4.10	ug/Kg
78-87-5	1,2-Dichloropropane	0.75	U	0.75	4.10	ug/Kg
75-27-4	Bromodichloromethane	0.64	U	0.64	4.10	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.00	U	3.00	20.6	ug/Kg
108-88-3	Toluene	0.64	U	0.64	4.10	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-47RE	SDG No.:	Q2150
Lab Sample ID:	Q2150-05RE	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	81
Sample Wt/Vol:	7.48 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:	Prep Date	Date Analyzed	Prep Batch ID
VY022507.D	1		06/02/25 19:08	VY060225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.54	U	0.54	4.10	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.51	U	0.51	4.10	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.76	U	0.76	4.10	ug/Kg
591-78-6	2-Hexanone	3.00	U	3.00	20.6	ug/Kg
124-48-1	Dibromochloromethane	0.72	U	0.72	4.10	ug/Kg
106-93-4	1,2-Dibromoethane	0.73	U	0.73	4.10	ug/Kg
127-18-4	Tetrachloroethene	0.87	U	0.87	4.10	ug/Kg
108-90-7	Chlorobenzene	0.75	U	0.75	4.10	ug/Kg
100-41-4	Ethyl Benzene	0.55	U	0.55	4.10	ug/Kg
179601-23-1	m/p-Xylenes	1.00	U	1.00	8.30	ug/Kg
95-47-6	o-Xylene	0.68	U	0.68	4.10	ug/Kg
100-42-5	Styrene	0.59	U	0.59	4.10	ug/Kg
75-25-2	Bromoform	0.71	U	0.71	4.10	ug/Kg
98-82-8	Isopropylbenzene	0.64	U	0.64	4.10	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	1.00	4.10	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.40	U	1.40	4.10	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.30	U	1.30	4.10	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.20	U	1.20	4.10	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.50	U	1.50	4.10	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.50	U	2.50	4.10	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2.60	U	2.60	4.10	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	54.9		63 - 155	110%	SPK: 50
1868-53-7	Dibromofluoromethane	52.9		70 - 134	106%	SPK: 50
2037-26-5	Toluene-d8	47.0		74 - 123	94%	SPK: 50
460-00-4	4-Bromofluorobenzene	34.8		17 - 146	70%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	60800	7.707			
540-36-3	1,4-Difluorobenzene	105000	8.616			
3114-55-4	Chlorobenzene-d5	78200	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	24500	13.346			

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-47RE	SDG No.:	Q2150
Lab Sample ID:	Q2150-05RE	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	81
Sample Wt/Vol:	7.48 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:	Prep Date	Date Analyzed	Prep Batch ID
VY022507.D	1		06/02/25 19:08	VY060225

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
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() = Laboratory InHouse Limit
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Report of Analysis

Client:	CDM Smith	Date Collected:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-50	SDG No.:	Q2150
Lab Sample ID:	Q2150-06	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	86
Sample Wt/Vol:	7.01 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:	Prep Date	Date Analyzed	Prep Batch ID
VY022465.D	1		05/29/25 14:22	VY052925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.95	U	0.95	4.10	ug/Kg
74-87-3	Chloromethane	0.95	U	0.95	4.10	ug/Kg
75-01-4	Vinyl Chloride	0.66	U	0.66	4.10	ug/Kg
74-83-9	Bromomethane	0.89	UQ	0.89	4.10	ug/Kg
75-00-3	Chloroethane	1.00	UQ	1.00	4.10	ug/Kg
75-69-4	Trichlorofluoromethane	1.00	U	1.00	4.10	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.88	U	0.88	4.10	ug/Kg
75-35-4	1,1-Dichloroethene	0.83	U	0.83	4.10	ug/Kg
67-64-1	Acetone	3.90	U	3.90	20.7	ug/Kg
75-15-0	Carbon Disulfide	0.88	U	0.88	4.10	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.61	U	0.61	4.10	ug/Kg
79-20-9	Methyl Acetate	1.30	U	1.30	4.10	ug/Kg
75-09-2	Methylene Chloride	2.90	U	2.90	8.30	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.71	U	0.71	4.10	ug/Kg
75-34-3	1,1-Dichloroethane	0.66	U	0.66	4.10	ug/Kg
110-82-7	Cyclohexane	0.66	U	0.66	4.10	ug/Kg
78-93-3	2-Butanone	5.40	U	5.40	20.7	ug/Kg
56-23-5	Carbon Tetrachloride	0.80	U	0.80	4.10	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.62	U	0.62	4.10	ug/Kg
74-97-5	Bromochloromethane	0.95	U	0.95	4.10	ug/Kg
67-66-3	Chloroform	0.70	U	0.70	4.10	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.77	U	0.77	4.10	ug/Kg
108-87-2	Methylcyclohexane	0.75	U	0.75	4.10	ug/Kg
71-43-2	Benzene	0.66	U	0.66	4.10	ug/Kg
107-06-2	1,2-Dichloroethane	0.66	U	0.66	4.10	ug/Kg
79-01-6	Trichloroethene	0.67	U	0.67	4.10	ug/Kg
78-87-5	1,2-Dichloropropane	0.75	U	0.75	4.10	ug/Kg
75-27-4	Bromodichloromethane	0.65	U	0.65	4.10	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.00	U	3.00	20.7	ug/Kg
108-88-3	Toluene	0.65	U	0.65	4.10	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-50	SDG No.:	Q2150
Lab Sample ID:	Q2150-06	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	86
Sample Wt/Vol:	7.01 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:	Prep Date	Date Analyzed	Prep Batch ID
VY022465.D	1		05/29/25 14:22	VY052925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.54	U	0.54	4.10	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.51	U	0.51	4.10	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.76	U	0.76	4.10	ug/Kg
591-78-6	2-Hexanone	3.10	U	3.10	20.7	ug/Kg
124-48-1	Dibromochloromethane	0.72	U	0.72	4.10	ug/Kg
106-93-4	1,2-Dibromoethane	0.73	U	0.73	4.10	ug/Kg
127-18-4	Tetrachloroethene	0.87	U	0.87	4.10	ug/Kg
108-90-7	Chlorobenzene	0.75	U	0.75	4.10	ug/Kg
100-41-4	Ethyl Benzene	0.56	U	0.56	4.10	ug/Kg
179601-23-1	m/p-Xylenes	1.00	U	1.00	8.30	ug/Kg
95-47-6	o-Xylene	0.68	U	0.68	4.10	ug/Kg
100-42-5	Styrene	0.59	U	0.59	4.10	ug/Kg
75-25-2	Bromoform	0.71	U	0.71	4.10	ug/Kg
98-82-8	Isopropylbenzene	0.65	U	0.65	4.10	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	1.00	4.10	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.40	U	1.40	4.10	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.30	U	1.30	4.10	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.20	U	1.20	4.10	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.50	U	1.50	4.10	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.50	U	2.50	4.10	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2.60	U	2.60	4.10	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	54.1		63 - 155	108%	SPK: 50
1868-53-7	Dibromofluoromethane	51.2		70 - 134	102%	SPK: 50
2037-26-5	Toluene-d8	49.2		74 - 123	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	36.1		17 - 146	72%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	285000	7.713			
540-36-3	1,4-Difluorobenzene	539000	8.622			
3114-55-4	Chlorobenzene-d5	401000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	116000	13.346			

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-50	SDG No.:	Q2150
Lab Sample ID:	Q2150-06	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	86
Sample Wt/Vol:	7.01 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:	Prep Date	Date Analyzed	Prep Batch ID
VY022465.D	1		05/29/25 14:22	VY052925

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:	CDM Smith	Date Collected:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-51	SDG No.:	Q2150
Lab Sample ID:	Q2150-07	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	83.7
Sample Wt/Vol:	7.53 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:	Prep Date	Date Analyzed	Prep Batch ID
VY022466.D	1		05/29/25 14:46	VY052925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.90	U	0.90	4.00	ug/Kg
74-87-3	Chloromethane	0.90	U	0.90	4.00	ug/Kg
75-01-4	Vinyl Chloride	0.63	U	0.63	4.00	ug/Kg
74-83-9	Bromomethane	0.85	UQ	0.85	4.00	ug/Kg
75-00-3	Chloroethane	1.00	UQ	1.00	4.00	ug/Kg
75-69-4	Trichlorofluoromethane	0.96	U	0.96	4.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.84	U	0.84	4.00	ug/Kg
75-35-4	1,1-Dichloroethene	0.79	U	0.79	4.00	ug/Kg
67-64-1	Acetone	48.0		3.80	19.8	ug/Kg
75-15-0	Carbon Disulfide	0.84	U	0.84	4.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.58	U	0.58	4.00	ug/Kg
79-20-9	Methyl Acetate	1.20	U	1.20	4.00	ug/Kg
75-09-2	Methylene Chloride	3.10	J	2.80	7.90	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.68	U	0.68	4.00	ug/Kg
75-34-3	1,1-Dichloroethane	0.63	U	0.63	4.00	ug/Kg
110-82-7	Cyclohexane	0.63	U	0.63	4.00	ug/Kg
78-93-3	2-Butanone	9.10	J	5.20	19.8	ug/Kg
56-23-5	Carbon Tetrachloride	0.77	U	0.77	4.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.59	U	0.59	4.00	ug/Kg
74-97-5	Bromochloromethane	0.91	U	0.91	4.00	ug/Kg
67-66-3	Chloroform	0.67	U	0.67	4.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.74	U	0.74	4.00	ug/Kg
108-87-2	Methylcyclohexane	0.72	U	0.72	4.00	ug/Kg
71-43-2	Benzene	2.80	J	0.63	4.00	ug/Kg
107-06-2	1,2-Dichloroethane	0.63	U	0.63	4.00	ug/Kg
79-01-6	Trichloroethene	0.64	U	0.64	4.00	ug/Kg
78-87-5	1,2-Dichloropropane	0.72	U	0.72	4.00	ug/Kg
75-27-4	Bromodichloromethane	0.62	U	0.62	4.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	2.80	U	2.80	19.8	ug/Kg
108-88-3	Toluene	0.62	U	0.62	4.00	ug/Kg

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Fax : 908 789 8922

Report of Analysis

Client:	CDM Smith	Date Collected:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-51	SDG No.:	Q2150
Lab Sample ID:	Q2150-07	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	83.7
Sample Wt/Vol:	7.53 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:	Prep Date	Date Analyzed	Prep Batch ID
VY022466.D	1		05/29/25 14:46	VY052925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.52	U	0.52	4.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.49	U	0.49	4.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.73	U	0.73	4.00	ug/Kg
591-78-6	2-Hexanone	2.90	U	2.90	19.8	ug/Kg
124-48-1	Dibromochloromethane	0.69	U	0.69	4.00	ug/Kg
106-93-4	1,2-Dibromoethane	0.70	U	0.70	4.00	ug/Kg
127-18-4	Tetrachloroethene	0.83	U	0.83	4.00	ug/Kg
108-90-7	Chlorobenzene	0.72	U	0.72	4.00	ug/Kg
100-41-4	Ethyl Benzene	0.53	U	0.53	4.00	ug/Kg
179601-23-1	m/p-Xylenes	1.20	J	0.98	7.90	ug/Kg
95-47-6	o-Xylene	0.65	U	0.65	4.00	ug/Kg
100-42-5	Styrene	0.56	U	0.56	4.00	ug/Kg
75-25-2	Bromoform	0.68	U	0.68	4.00	ug/Kg
98-82-8	Isopropylbenzene	2.90	J	0.62	4.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.96	U	0.96	4.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.40	U	1.40	4.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.20	U	1.20	4.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.20	U	1.20	4.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.50	U	1.50	4.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.40	U	2.40	4.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2.50	U	2.50	4.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	55.4		63 - 155	111%	SPK: 50
1868-53-7	Dibromofluoromethane	52.4		70 - 134	105%	SPK: 50
2037-26-5	Toluene-d8	49.6		74 - 123	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	35.0		17 - 146	70%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	267000	7.713			
540-36-3	1,4-Difluorobenzene	486000	8.616			
3114-55-4	Chlorobenzene-d5	363000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	99700	13.346			
TENTATIVE IDENTIFIED COMPOUNDS						

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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-51	SDG No.:	Q2150
Lab Sample ID:	Q2150-07	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	83.7
Sample Wt/Vol:	7.53 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:	Prep Date	Date Analyzed	Prep Batch ID
VY022466.D	1		05/29/25 14:46	VY052925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
000611-14-3	Benzene, 1-ethyl-2-methyl-	4.50	J		12.7	ug/Kg
013450-73-2	11H-Dibenzo[b,e][1,4]diazepin-11-o	7.00	J		13.9	ug/Kg
003789-85-3	Salicylic acid, 2TMS derivative	7.00	J		13.9	ug/Kg
006049-82-7	Pentacyclo[6.3.1.0(2,7).0(3,5).0(9	5.00	J		14.3	ug/Kg
001541-20-4	Bi-2-cyclohexen-1-yl	5.30	J		15.0	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

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/28/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-52	SDG No.:	Q2150
Lab Sample ID:	Q2150-08	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	85.7
Sample Wt/Vol:	5.75 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:	Prep Date	Date Analyzed	Prep Batch ID
VY022467.D	1		05/29/25 15:09	VY052925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.20	U	1.20	5.10	ug/Kg
74-87-3	Chloromethane	1.20	U	1.20	5.10	ug/Kg
75-01-4	Vinyl Chloride	0.80	U	0.80	5.10	ug/Kg
74-83-9	Bromomethane	1.10	UQ	1.10	5.10	ug/Kg
75-00-3	Chloroethane	1.30	UQ	1.30	5.10	ug/Kg
75-69-4	Trichlorofluoromethane	1.20	U	1.20	5.10	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.10	U	1.10	5.10	ug/Kg
75-35-4	1,1-Dichloroethene	1.00	U	1.00	5.10	ug/Kg
67-64-1	Acetone	4.80	U	4.80	25.4	ug/Kg
75-15-0	Carbon Disulfide	1.10	U	1.10	5.10	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.74	U	0.74	5.10	ug/Kg
79-20-9	Methyl Acetate	1.60	U	1.60	5.10	ug/Kg
75-09-2	Methylene Chloride	3.60	U	3.60	10.1	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.87	U	0.87	5.10	ug/Kg
75-34-3	1,1-Dichloroethane	0.81	U	0.81	5.10	ug/Kg
110-82-7	Cyclohexane	0.80	U	0.80	5.10	ug/Kg
78-93-3	2-Butanone	6.60	U	6.60	25.4	ug/Kg
56-23-5	Carbon Tetrachloride	0.98	U	0.98	5.10	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.76	U	0.76	5.10	ug/Kg
74-97-5	Bromochloromethane	1.20	U	1.20	5.10	ug/Kg
67-66-3	Chloroform	0.85	U	0.85	5.10	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.94	U	0.94	5.10	ug/Kg
108-87-2	Methylcyclohexane	0.92	U	0.92	5.10	ug/Kg
71-43-2	Benzene	0.80	U	0.80	5.10	ug/Kg
107-06-2	1,2-Dichloroethane	0.80	U	0.80	5.10	ug/Kg
79-01-6	Trichloroethene	0.82	U	0.82	5.10	ug/Kg
78-87-5	1,2-Dichloropropane	0.92	U	0.92	5.10	ug/Kg
75-27-4	Bromodichloromethane	0.79	U	0.79	5.10	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.60	U	3.60	25.4	ug/Kg
108-88-3	Toluene	0.79	U	0.79	5.10	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/28/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-52	SDG No.:	Q2150
Lab Sample ID:	Q2150-08	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	85.7
Sample Wt/Vol:	5.75 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:	Prep Date	Date Analyzed	Prep Batch ID
VY022467.D	1		05/29/25 15:09	VY052925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.66	U	0.66	5.10	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.63	U	0.63	5.10	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.93	U	0.93	5.10	ug/Kg
591-78-6	2-Hexanone	3.70	U	3.70	25.4	ug/Kg
124-48-1	Dibromochloromethane	0.88	U	0.88	5.10	ug/Kg
106-93-4	1,2-Dibromoethane	0.89	U	0.89	5.10	ug/Kg
127-18-4	Tetrachloroethene	1.10	U	1.10	5.10	ug/Kg
108-90-7	Chlorobenzene	0.92	U	0.92	5.10	ug/Kg
100-41-4	Ethyl Benzene	0.68	U	0.68	5.10	ug/Kg
179601-23-1	m/p-Xylenes	1.30	U	1.30	10.1	ug/Kg
95-47-6	o-Xylene	0.83	U	0.83	5.10	ug/Kg
100-42-5	Styrene	0.72	U	0.72	5.10	ug/Kg
75-25-2	Bromoform	0.87	U	0.87	5.10	ug/Kg
98-82-8	Isopropylbenzene	0.79	U	0.79	5.10	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.20	U	1.20	5.10	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.70	U	1.70	5.10	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.60	U	1.60	5.10	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.50	U	1.50	5.10	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.90	U	1.90	5.10	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.00	U	3.00	5.10	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.20	U	3.20	5.10	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.7		63 - 155	103%	SPK: 50
1868-53-7	Dibromofluoromethane	51.3		70 - 134	103%	SPK: 50
2037-26-5	Toluene-d8	50.0		74 - 123	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	38.8		17 - 146	78%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	287000	7.713			
540-36-3	1,4-Difluorobenzene	522000	8.621			
3114-55-4	Chlorobenzene-d5	405000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	133000	13.346			

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/28/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-52	SDG No.:	Q2150
Lab Sample ID:	Q2150-08	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	85.7
Sample Wt/Vol:	5.75 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:	Prep Date	Date Analyzed	Prep Batch ID
VY022467.D	1		05/29/25 15:09	VY052925

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:	CDM Smith	Date Collected:	05/28/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-54	SDG No.:	Q2150
Lab Sample ID:	Q2150-09	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	83.6
Sample Wt/Vol:	7.85 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:	Prep Date	Date Analyzed	Prep Batch ID
VY022468.D	1		05/29/25 15:33	VY052925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.87	U	0.87	3.80	ug/Kg
74-87-3	Chloromethane	0.87	U	0.87	3.80	ug/Kg
75-01-4	Vinyl Chloride	0.60	U	0.60	3.80	ug/Kg
74-83-9	Bromomethane	0.82	UQ	0.82	3.80	ug/Kg
75-00-3	Chloroethane	0.96	UQ	0.96	3.80	ug/Kg
75-69-4	Trichlorofluoromethane	0.92	U	0.92	3.80	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.81	U	0.81	3.80	ug/Kg
75-35-4	1,1-Dichloroethene	0.76	U	0.76	3.80	ug/Kg
67-64-1	Acetone	21.8		3.60	19.0	ug/Kg
75-15-0	Carbon Disulfide	0.81	U	0.81	3.80	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.56	U	0.56	3.80	ug/Kg
79-20-9	Methyl Acetate	1.20	U	1.20	3.80	ug/Kg
75-09-2	Methylene Chloride	2.70	U	2.70	7.60	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.66	U	0.66	3.80	ug/Kg
75-34-3	1,1-Dichloroethane	0.61	U	0.61	3.80	ug/Kg
110-82-7	Cyclohexane	0.60	U	0.60	3.80	ug/Kg
78-93-3	2-Butanone	5.00	U	5.00	19.0	ug/Kg
56-23-5	Carbon Tetrachloride	0.74	U	0.74	3.80	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.57	U	0.57	3.80	ug/Kg
74-97-5	Bromochloromethane	0.88	U	0.88	3.80	ug/Kg
67-66-3	Chloroform	0.64	U	0.64	3.80	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.71	U	0.71	3.80	ug/Kg
108-87-2	Methylcyclohexane	0.69	U	0.69	3.80	ug/Kg
71-43-2	Benzene	0.60	U	0.60	3.80	ug/Kg
107-06-2	1,2-Dichloroethane	0.60	U	0.60	3.80	ug/Kg
79-01-6	Trichloroethene	0.62	U	0.62	3.80	ug/Kg
78-87-5	1,2-Dichloropropane	0.69	U	0.69	3.80	ug/Kg
75-27-4	Bromodichloromethane	0.59	U	0.59	3.80	ug/Kg
108-10-1	4-Methyl-2-Pentanone	2.70	U	2.70	19.0	ug/Kg
108-88-3	Toluene	0.59	U	0.59	3.80	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/28/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-54	SDG No.:	Q2150
Lab Sample ID:	Q2150-09	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	83.6
Sample Wt/Vol:	7.85 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:	Prep Date	Date Analyzed	Prep Batch ID
VY022468.D	1		05/29/25 15:33	VY052925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.50	3.80	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.47	U	0.47	3.80	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.70	U	0.70	3.80	ug/Kg
591-78-6	2-Hexanone	2.80	U	2.80	19.0	ug/Kg
124-48-1	Dibromochloromethane	0.66	U	0.66	3.80	ug/Kg
106-93-4	1,2-Dibromoethane	0.67	U	0.67	3.80	ug/Kg
127-18-4	Tetrachloroethene	0.80	U	0.80	3.80	ug/Kg
108-90-7	Chlorobenzene	0.69	U	0.69	3.80	ug/Kg
100-41-4	Ethyl Benzene	0.51	U	0.51	3.80	ug/Kg
179601-23-1	m/p-Xylenes	0.94	U	0.94	7.60	ug/Kg
95-47-6	o-Xylene	0.62	U	0.62	3.80	ug/Kg
100-42-5	Styrene	0.54	U	0.54	3.80	ug/Kg
75-25-2	Bromoform	0.66	U	0.66	3.80	ug/Kg
98-82-8	Isopropylbenzene	0.59	U	0.59	3.80	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.92	U	0.92	3.80	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.30	U	1.30	3.80	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.20	U	1.20	3.80	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.10	U	1.10	3.80	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.40	U	1.40	3.80	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.30	U	2.30	3.80	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2.40	U	2.40	3.80	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.6		63 - 155	105%	SPK: 50
1868-53-7	Dibromofluoromethane	50.7		70 - 134	101%	SPK: 50
2037-26-5	Toluene-d8	50.4		74 - 123	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	39.7		17 - 146	79%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	283000	7.713			
540-36-3	1,4-Difluorobenzene	518000	8.616			
3114-55-4	Chlorobenzene-d5	407000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	141000	13.347			
TENTATIVE IDENTIFIED COMPOUNDS						

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/28/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-54	SDG No.:	Q2150
Lab Sample ID:	Q2150-09	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	83.6
Sample Wt/Vol:	7.85 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:	Prep Date	Date Analyzed	Prep Batch ID
VY022468.D	1		05/29/25 15:33	VY052925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
013450-73-2	11H-Dibenzo[b,e][1,4]diazepin-11-o	6.00	J		13.9	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
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() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/28/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-53	SDG No.:	Q2150
Lab Sample ID:	Q2150-10	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	85.3
Sample Wt/Vol:	7.78 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:	Prep Date	Date Analyzed	Prep Batch ID
VY022469.D	1		05/29/25 15:56	VY052925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.86	U	0.86	3.80	ug/Kg
74-87-3	Chloromethane	0.86	U	0.86	3.80	ug/Kg
75-01-4	Vinyl Chloride	0.60	U	0.60	3.80	ug/Kg
74-83-9	Bromomethane	0.81	UQ	0.81	3.80	ug/Kg
75-00-3	Chloroethane	0.95	UQ	0.95	3.80	ug/Kg
75-69-4	Trichlorofluoromethane	0.91	U	0.91	3.80	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.80	U	0.80	3.80	ug/Kg
75-35-4	1,1-Dichloroethene	0.75	U	0.75	3.80	ug/Kg
67-64-1	Acetone	3.60	U	3.60	18.8	ug/Kg
75-15-0	Carbon Disulfide	0.80	U	0.80	3.80	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.55	U	0.55	3.80	ug/Kg
79-20-9	Methyl Acetate	1.20	U	1.20	3.80	ug/Kg
75-09-2	Methylene Chloride	2.80	J	2.70	7.50	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.65	U	0.65	3.80	ug/Kg
75-34-3	1,1-Dichloroethane	0.60	U	0.60	3.80	ug/Kg
110-82-7	Cyclohexane	0.60	U	0.60	3.80	ug/Kg
78-93-3	2-Butanone	4.90	U	4.90	18.8	ug/Kg
56-23-5	Carbon Tetrachloride	0.73	U	0.73	3.80	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.57	U	0.57	3.80	ug/Kg
74-97-5	Bromochloromethane	0.87	U	0.87	3.80	ug/Kg
67-66-3	Chloroform	0.63	U	0.63	3.80	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.70	U	0.70	3.80	ug/Kg
108-87-2	Methylcyclohexane	0.69	U	0.69	3.80	ug/Kg
71-43-2	Benzene	0.60	U	0.60	3.80	ug/Kg
107-06-2	1,2-Dichloroethane	0.60	U	0.60	3.80	ug/Kg
79-01-6	Trichloroethene	0.61	U	0.61	3.80	ug/Kg
78-87-5	1,2-Dichloropropane	0.69	U	0.69	3.80	ug/Kg
75-27-4	Bromodichloromethane	0.59	U	0.59	3.80	ug/Kg
108-10-1	4-Methyl-2-Pentanone	2.70	U	2.70	18.8	ug/Kg
108-88-3	Toluene	0.59	U	0.59	3.80	ug/Kg

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	CDM Smith	Date Collected:	05/28/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-53	SDG No.:	Q2150
Lab Sample ID:	Q2150-10	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	85.3
Sample Wt/Vol:	7.78 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:	Prep Date	Date Analyzed	Prep Batch ID
VY022469.D	1		05/29/25 15:56	VY052925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.49	U	0.49	3.80	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.47	U	0.47	3.80	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.69	U	0.69	3.80	ug/Kg
591-78-6	2-Hexanone	2.80	U	2.80	18.8	ug/Kg
124-48-1	Dibromochloromethane	0.66	U	0.66	3.80	ug/Kg
106-93-4	1,2-Dibromoethane	0.66	U	0.66	3.80	ug/Kg
127-18-4	Tetrachloroethene	0.79	U	0.79	3.80	ug/Kg
108-90-7	Chlorobenzene	0.69	U	0.69	3.80	ug/Kg
100-41-4	Ethyl Benzene	0.50	U	0.50	3.80	ug/Kg
179601-23-1	m/p-Xylenes	0.93	U	0.93	7.50	ug/Kg
95-47-6	o-Xylene	0.62	U	0.62	3.80	ug/Kg
100-42-5	Styrene	0.53	U	0.53	3.80	ug/Kg
75-25-2	Bromoform	0.65	U	0.65	3.80	ug/Kg
98-82-8	Isopropylbenzene	0.59	U	0.59	3.80	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.91	U	0.91	3.80	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.30	U	1.30	3.80	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.20	U	1.20	3.80	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.10	U	1.10	3.80	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.40	U	1.40	3.80	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.20	U	2.20	3.80	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2.40	U	2.40	3.80	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.7		63 - 155	105%	SPK: 50
1868-53-7	Dibromofluoromethane	51.1		70 - 134	102%	SPK: 50
2037-26-5	Toluene-d8	49.9		74 - 123	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	41.6		17 - 146	83%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	273000	7.707			
540-36-3	1,4-Difluorobenzene	503000	8.616			
3114-55-4	Chlorobenzene-d5	400000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	145000	13.347			

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/28/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-53	SDG No.:	Q2150
Lab Sample ID:	Q2150-10	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	85.3
Sample Wt/Vol:	7.78 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:	Prep Date	Date Analyzed	Prep Batch ID
VY022469.D	1		05/29/25 15:56	VY052925

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

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Surrogate Summary

SDG No.: Q2150

Client: CDM Smith

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery	Qual	Limits Low	Limits High
Q2150-01	TP-44	1,2-Dichloroethane-d4	50	52.9	106		63	155
		Dibromofluoromethane	50	51.4	103		70	134
		Toluene-d8	50	49.3	99		74	123
		4-Bromofluorobenzene	50	37.6	75		17	146
Q2150-02	TP-42	1,2-Dichloroethane-d4	50	54.6	109		63	155
		Dibromofluoromethane	50	51.8	104		70	134
		Toluene-d8	50	50.1	100		74	123
		4-Bromofluorobenzene	50	41.7	83		17	146
Q2150-03	TP-39	1,2-Dichloroethane-d4	50	48.3	97		63	155
		Dibromofluoromethane	50	49.9	100		70	134
		Toluene-d8	50	49.8	100		74	123
		4-Bromofluorobenzene	50	37.8	76		17	146
Q2150-04	TP-48	1,2-Dichloroethane-d4	50	59.1	118		63	155
		Dibromofluoromethane	50	52.7	105		70	134
		Toluene-d8	50	50.5	101		74	123
		4-Bromofluorobenzene	50	43.0	86		17	146
Q2150-05	TP-47	1,2-Dichloroethane-d4	50	31.9	64		63	155
		Dibromofluoromethane	50	32.5	65	*	70	134
		Toluene-d8	50	43.4	87		74	123
		4-Bromofluorobenzene	50	20.5	41		17	146
Q2150-05RE	TP-47RE	1,2-Dichloroethane-d4	50	54.9	110		63	155
		Dibromofluoromethane	50	52.9	106		70	134
		Toluene-d8	50	47.0	94		74	123
		4-Bromofluorobenzene	50	34.8	70		17	146
Q2150-06	TP-50	1,2-Dichloroethane-d4	50	54.1	108		63	155
		Dibromofluoromethane	50	51.2	102		70	134
		Toluene-d8	50	49.2	98		74	123
		4-Bromofluorobenzene	50	36.1	72		17	146
Q2150-07	TP-51	1,2-Dichloroethane-d4	50	55.4	111		63	155
		Dibromofluoromethane	50	52.4	105		70	134
		Toluene-d8	50	49.6	99		74	123
		4-Bromofluorobenzene	50	35.0	70		17	146
Q2150-08	TP-52	1,2-Dichloroethane-d4	50	51.7	103		63	155
		Dibromofluoromethane	50	51.3	103		70	134
		Toluene-d8	50	50.0	100		74	123
		4-Bromofluorobenzene	50	38.8	78		17	146
Q2150-09	TP-54	1,2-Dichloroethane-d4	50	52.6	105		63	155
		Dibromofluoromethane	50	50.7	101		70	134
		Toluene-d8	50	50.4	101		74	123
		4-Bromofluorobenzene	50	39.7	79		17	146
Q2150-10	TP-53	1,2-Dichloroethane-d4	50	52.7	105		63	155
		Dibromofluoromethane	50	51.1	102		70	134
		Toluene-d8	50	49.9	100		74	123
		4-Bromofluorobenzene	50	41.6	83		17	146
VY0529SBL01	VY0529SBL01	1,2-Dichloroethane-d4	50	53.3	107		63	155
		Dibromofluoromethane	50	50.8	102		70	134
		Toluene-d8	50	50.1	100		74	123
		4-Bromofluorobenzene	50	40.9	82		17	146
VY0529SBS01	VY0529SBS01	1,2-Dichloroethane-d4	50	53.5	107		63	155
		Dibromofluoromethane	50	49.6	99		70	134

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Surrogate Summary

SDG No.: Q2150

Client: CDM Smith

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
VY0529SBS01	VY0529SBS01	Toluene-d8	50	49.6	99	74	123
		4-Bromofluorobenzene	50	48.2	96	17	146
VY0529SBSD01	VY0529SBSD01	1,2-Dichloroethane-d4	50	55.1	110	63	155
		Dibromofluoromethane	50	52.5	105	70	134
		Toluene-d8	50	51.6	103	74	123
		4-Bromofluorobenzene	50	49.9	100	17	146
VY0602SBL02	VY0602SBL02	1,2-Dichloroethane-d4	50	53.2	106	63	155
		Dibromofluoromethane	50	51.0	102	70	134
		Toluene-d8	50	49.7	99	74	123
		4-Bromofluorobenzene	50	42.8	86	17	146
VY0602SBS01	VY0602SBS01	1,2-Dichloroethane-d4	50	50.8	102	63	155
		Dibromofluoromethane	50	51.6	103	70	134
		Toluene-d8	50	51.9	104	74	123
		4-Bromofluorobenzene	50	50.8	101	17	146

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2150

Client: CDM Smith

Analytical Method: SW8260D **Datafile :** VY022455.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0529SBS01	Dichlorodifluoromethane	20	22.5	ug/Kg	113			64	136	
	Chloromethane	20	26.3	ug/Kg	132			52	151	
	Vinyl chloride	20	23.7	ug/Kg	119			56	148	
	Bromomethane	20	28.0	ug/Kg	140			58	141	
	Chloroethane	20	26.5	ug/Kg	133		*	69	130	
	Trichlorofluoromethane	20	24.0	ug/Kg	120			69	134	
	1,1,2-Trichlorotrifluoroethane	20	21.4	ug/Kg	107			81	123	
	1,1-Dichloroethene	20	21.3	ug/Kg	106			79	121	
	Acetone	100	110	ug/Kg	110			40	171	
	Carbon disulfide	20	20.9	ug/Kg	104			59	130	
	Methyl tert-butyl Ether	20	22.3	ug/Kg	112			77	129	
	Methyl Acetate	20	22.9	ug/Kg	115			69	149	
	Methylene Chloride	20	20.9	ug/Kg	104			72	131	
	trans-1,2-Dichloroethene	20	20.9	ug/Kg	104			80	123	
	1,1-Dichloroethane	20	21.6	ug/Kg	108			82	123	
	Cyclohexane	20	20.8	ug/Kg	104			76	122	
	2-Butanone	100	110	ug/Kg	110			69	131	
	Carbon Tetrachloride	20	20.1	ug/Kg	101			76	129	
	cis-1,2-Dichloroethene	20	21.2	ug/Kg	106			82	123	
	Bromochloromethane	20	22.4	ug/Kg	112			80	127	
	Chloroform	20	21.8	ug/Kg	109			82	125	
	1,1,1-Trichloroethane	20	21.4	ug/Kg	107			80	126	
	Methylcyclohexane	20	20.3	ug/Kg	102			77	123	
	Benzene	20	20.8	ug/Kg	104			84	121	
	1,2-Dichloroethane	20	21.6	ug/Kg	108			81	126	
	Trichloroethene	20	20.5	ug/Kg	103			83	122	
	1,2-Dichloropropane	20	21.1	ug/Kg	106			83	122	
	Bromodichloromethane	20	20.9	ug/Kg	104			82	123	
	4-Methyl-2-Pentanone	100	110	ug/Kg	110			70	135	
	Toluene	20	20.1	ug/Kg	101			83	122	
	t-1,3-Dichloropropene	20	21.2	ug/Kg	106			78	124	
	cis-1,3-Dichloropropene	20	20.7	ug/Kg	104			81	122	
	1,1,2-Trichloroethane	20	21.1	ug/Kg	106			82	125	
	2-Hexanone	100	110	ug/Kg	110			66	138	
	Dibromochloromethane	20	21.1	ug/Kg	106			79	125	
	1,2-Dibromoethane	20	21.3	ug/Kg	106			80	125	
	Tetrachloroethene	20	20.9	ug/Kg	104			83	125	
	Chlorobenzene	20	20.1	ug/Kg	101			84	122	
	Ethyl Benzene	20	19.7	ug/Kg	99			82	124	
	m/p-Xylenes	40	39.0	ug/Kg	98			83	124	
	o-Xylene	20	19.9	ug/Kg	100			83	123	
	Styrene	20	20.1	ug/Kg	101			82	124	
	Bromoform	20	21.4	ug/Kg	107			75	127	
	Isopropylbenzene	20	19.8	ug/Kg	99			82	124	
	1,1,2,2-Tetrachloroethane	20	21.1	ug/Kg	106			77	127	
	1,3-Dichlorobenzene	20	19.4	ug/Kg	97			83	122	
	1,4-Dichlorobenzene	20	19.7	ug/Kg	99			84	121	
	1,2-Dichlorobenzene	20	20.3	ug/Kg	102			83	124	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2150

Client: CDM Smith

Analytical Method: SW8260D **Datafile :** VY022455.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0529SBS01	1,2-Dibromo-3-Chloropropane	20	22.9	ug/Kg	115			66	134	
	1,2,4-Trichlorobenzene	20	19.8	ug/Kg	99			78	127	
	1,2,3-Trichlorobenzene	20	20.6	ug/Kg	103			70	137	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2150

Client: CDM Smith

Analytical Method: SW8260D **Datafile :** VY022456.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0529SBSD01	Dichlorodifluoromethane	20	23.4	ug/Kg	117	3		64	136	20
	Chloromethane	20	26.4	ug/Kg	132	0		52	151	20
	Vinyl chloride	20	24.5	ug/Kg	123	3		56	148	20
	Bromomethane	20	28.8	ug/Kg	144	3	*	58	141	20
	Chloroethane	20	27.0	ug/Kg	135	1	*	69	130	20
	Trichlorofluoromethane	20	25.3	ug/Kg	127	6		69	134	20
	1,1,2-Trichlorotrifluoroethane	20	21.3	ug/Kg	106	1		81	123	20
	1,1-Dichloroethene	20	22.1	ug/Kg	111	5		79	121	20
	Acetone	100	120	ug/Kg	120	9		40	171	20
	Carbon disulfide	20	21.6	ug/Kg	108	4		59	130	20
	Methyl tert-butyl Ether	20	23.0	ug/Kg	115	3		77	129	20
	Methyl Acetate	20	25.2	ug/Kg	126	9		69	149	20
	Methylene Chloride	20	21.4	ug/Kg	107	3		72	131	20
	trans-1,2-Dichloroethene	20	21.9	ug/Kg	110	6		80	123	20
	1,1-Dichloroethane	20	22.8	ug/Kg	114	5		82	123	20
	Cyclohexane	20	20.7	ug/Kg	104	0		76	122	20
	2-Butanone	100	110	ug/Kg	110	0		69	131	20
	Carbon Tetrachloride	20	20.5	ug/Kg	103	2		76	129	20
	cis-1,2-Dichloroethene	20	21.9	ug/Kg	110	4		82	123	20
	Bromochloromethane	20	22.0	ug/Kg	110	2		80	127	20
	Chloroform	20	22.8	ug/Kg	114	4		82	125	20
	1,1,1-Trichloroethane	20	21.6	ug/Kg	108	1		80	126	20
	Methylcyclohexane	20	20.0	ug/Kg	100	2		77	123	20
	Benzene	20	21.4	ug/Kg	107	3		84	121	20
	1,2-Dichloroethane	20	21.9	ug/Kg	110	2		81	126	20
	Trichloroethene	20	20.9	ug/Kg	104	1		83	122	20
	1,2-Dichloropropane	20	21.9	ug/Kg	110	4		83	122	20
	Bromodichloromethane	20	21.5	ug/Kg	108	4		82	123	20
	4-Methyl-2-Pentanone	100	110	ug/Kg	110	0		70	135	20
	Toluene	20	20.6	ug/Kg	103	2		83	122	20
	t-1,3-Dichloropropene	20	21.2	ug/Kg	106	0		78	124	20
	cis-1,3-Dichloropropene	20	21.2	ug/Kg	106	2		81	122	20
	1,1,2-Trichloroethane	20	21.2	ug/Kg	106	0		82	125	20
	2-Hexanone	100	110	ug/Kg	110	0		66	138	20
	Dibromochloromethane	20	21.1	ug/Kg	106	0		79	125	20
	1,2-Dibromoethane	20	21.6	ug/Kg	108	2		80	125	20
	Tetrachloroethene	20	20.9	ug/Kg	104	0		83	125	20
	Chlorobenzene	20	20.9	ug/Kg	104	3		84	122	20
	Ethyl Benzene	20	20.2	ug/Kg	101	2		82	124	20
	m/p-Xylenes	40	40.0	ug/Kg	100	2		83	124	20
	o-Xylene	20	20.3	ug/Kg	102	2		83	123	20
	Styrene	20	20.4	ug/Kg	102	1		82	124	20
	Bromoform	20	20.9	ug/Kg	104	3		75	127	20
	Isopropylbenzene	20	20.4	ug/Kg	102	3		82	124	20
	1,1,2,2-Tetrachloroethane	20	21.8	ug/Kg	109	3		77	127	20
	1,3-Dichlorobenzene	20	20.5	ug/Kg	103	6		83	122	20
	1,4-Dichlorobenzene	20	21.2	ug/Kg	106	7		84	121	20
	1,2-Dichlorobenzene	20	21.1	ug/Kg	106	4		83	124	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2150

Client: CDM Smith

Analytical Method: SW8260D **Datafile :** VY022456.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VY0529SBSD01	1,2-Dibromo-3-Chloropropane	20	22.3	ug/Kg	112	3		66	134	20
	1,2,4-Trichlorobenzene	20	21.7	ug/Kg	109	10		78	127	20
	1,2,3-Trichlorobenzene	20	22.0	ug/Kg	110	7		70	137	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2150

Client: CDM Smith

Analytical Method: SW8260D **Datafile :** VY022500.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0602SBS01	Dichlorodifluoromethane	20	22.1	ug/Kg	111			64	136	
	Chloromethane	20	19.1	ug/Kg	96			52	151	
	Vinyl chloride	20	20.5	ug/Kg	103			56	148	
	Bromomethane	20	21.8	ug/Kg	109			58	141	
	Chloroethane	20	20.8	ug/Kg	104			69	130	
	Trichlorofluoromethane	20	22.2	ug/Kg	111			69	134	
	1,1,2-Trichlorotrifluoroethane	20	20.8	ug/Kg	104			81	123	
	1,1-Dichloroethene	20	20.5	ug/Kg	103			79	121	
	Acetone	100	87.0	ug/Kg	87			40	171	
	Carbon disulfide	20	20.3	ug/Kg	102			59	130	
	Methyl tert-butyl Ether	20	20.5	ug/Kg	103			77	129	
	Methyl Acetate	20	21.6	ug/Kg	108			69	149	
	Methylene Chloride	20	19.1	ug/Kg	96			72	131	
	trans-1,2-Dichloroethene	20	20.9	ug/Kg	104			80	123	
	1,1-Dichloroethane	20	20.6	ug/Kg	103			82	123	
	Cyclohexane	20	20.2	ug/Kg	101			76	122	
	2-Butanone	100	96.6	ug/Kg	97			69	131	
	Carbon Tetrachloride	20	20.0	ug/Kg	100			76	129	
	cis-1,2-Dichloroethene	20	20.8	ug/Kg	104			82	123	
	Bromochloromethane	20	20.1	ug/Kg	101			80	127	
	Chloroform	20	21.0	ug/Kg	105			82	125	
	1,1,1-Trichloroethane	20	21.3	ug/Kg	106			80	126	
	Methylcyclohexane	20	20.5	ug/Kg	103			77	123	
	Benzene	20	20.6	ug/Kg	103			84	121	
	1,2-Dichloroethane	20	20.6	ug/Kg	103			81	126	
	Trichloroethene	20	20.5	ug/Kg	103			83	122	
	1,2-Dichloropropane	20	20.8	ug/Kg	104			83	122	
	Bromodichloromethane	20	21.0	ug/Kg	105			82	123	
	4-Methyl-2-Pentanone	100	98.7	ug/Kg	99			70	135	
	Toluene	20	20.0	ug/Kg	100			83	122	
	t-1,3-Dichloropropene	20	19.8	ug/Kg	99			78	124	
	cis-1,3-Dichloropropene	20	20.4	ug/Kg	102			81	122	
	1,1,2-Trichloroethane	20	20.2	ug/Kg	101			82	125	
	2-Hexanone	100	96.4	ug/Kg	96			66	138	
	Dibromochloromethane	20	19.9	ug/Kg	100			79	125	
	1,2-Dibromoethane	20	20.7	ug/Kg	104			80	125	
	Tetrachloroethene	20	20.8	ug/Kg	104			83	125	
	Chlorobenzene	20	20.3	ug/Kg	102			84	122	
	Ethyl Benzene	20	19.8	ug/Kg	99			82	124	
	m/p-Xylenes	40	39.6	ug/Kg	99			83	124	
	o-Xylene	20	19.8	ug/Kg	99			83	123	
	Styrene	20	19.4	ug/Kg	97			82	124	
	Bromoform	20	19.6	ug/Kg	98			75	127	
	Isopropylbenzene	20	19.6	ug/Kg	98			82	124	
	1,1,2,2-Tetrachloroethane	20	20.1	ug/Kg	101			77	127	
	1,3-Dichlorobenzene	20	19.2	ug/Kg	96			83	122	
	1,4-Dichlorobenzene	20	19.6	ug/Kg	98			84	121	
	1,2-Dichlorobenzene	20	20.0	ug/Kg	100			83	124	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2150

Client: CDM Smith

Analytical Method: SW8260D **Datafile :** VY022500.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0602SBS01	1,2-Dibromo-3-Chloropropane	20	21.0	ug/Kg	105			66	134	
	1,2,4-Trichlorobenzene	20	20.7	ug/Kg	104			78	127	
	1,2,3-Trichlorobenzene	20	21.0	ug/Kg	105			70	137	

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VY0529SBL01

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2150 SAS No.: Q2150 SDG NO.: Q2150

Lab File ID: VY022454.D Lab Sample ID: VY0529SBL01

Date Analyzed: 05/29/2025 Time Analyzed: 08:56

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
VY0529SBS01	VY0529SBS01	VY022455.D	05/29/2025
VY0529SBSD01	VY0529SBSD01	VY022456.D	05/29/2025
TP-44	Q2150-01	VY022460.D	05/29/2025
TP-39	Q2150-03	VY022462.D	05/29/2025
TP-48	Q2150-04	VY022463.D	05/29/2025
TP-47	Q2150-05	VY022464.D	05/29/2025
TP-50	Q2150-06	VY022465.D	05/29/2025
TP-51	Q2150-07	VY022466.D	05/29/2025
TP-52	Q2150-08	VY022467.D	05/29/2025
TP-54	Q2150-09	VY022468.D	05/29/2025
TP-53	Q2150-10	VY022469.D	05/29/2025

COMMENTS:

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VY0602SBL02

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2150 SAS No.: Q2150 SDG NO.: Q2150

Lab File ID: VY022499.D Lab Sample ID: VY0602SBL02

Date Analyzed: 06/02/2025 Time Analyzed: 16:00

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
VY0602SBS01	VY0602SBS01	VY022500.D	06/02/2025
TP-42	Q2150-02	VY022506.D	06/02/2025
TP-47RE	Q2150-05RE	VY022507.D	06/02/2025

COMMENTS:

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2150 SAS No.: Q2150 SDG NO.: Q2150

Lab File ID: VY022420.D BFB Injection Date: 05/27/2025

Instrument ID: MSVOA_Y BFB Injection Time: 08:20

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	23.8
75	30.0 - 60.0% of mass 95	58.1
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	1.1 (1.2) 1
174	50.0 - 100.0% of mass 95	88.8
175	5.0 - 9.0% of mass 174	6.7 (7.6) 1
176	95.0 - 101.0% of mass 174	85.7 (96.4) 1
177	5.0 - 9.0% of mass 176	5.5 (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:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC005	VSTDICC005	VY022421.D	05/27/2025	08:50
VSTDICC010	VSTDICC010	VY022422.D	05/27/2025	09:14
VSTDICC020	VSTDICC020	VY022423.D	05/27/2025	09:36
VSTDICCC050	VSTDICCC050	VY022424.D	05/27/2025	09:59
VSTDICC100	VSTDICC100	VY022425.D	05/27/2025	10:22
VSTDICC150	VSTDICC150	VY022426.D	05/27/2025	10:44

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2150 SAS No.: Q2150 SDG NO.: Q2150

Lab File ID: VY022452.D BFB Injection Date: 05/29/2025

Instrument ID: MSVOA_Y BFB Injection Time: 07:54

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	24.8
75	30.0 - 60.0% of mass 95	59.5
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.9 (1.1) 1
174	50.0 - 100.0% of mass 95	82.9
175	5.0 - 9.0% of mass 174	6.4 (7.7) 1
176	95.0 - 101.0% of mass 174	79.3 (95.6) 1
177	5.0 - 9.0% of mass 176	5.6 (7) 2

1-Value is % mass 174

2-Value is % mass 176

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
VSTDCCC050	VSTDCCC050	VY022453.D	05/29/2025	08:23
VY0529SBL01	VY0529SBL01	VY022454.D	05/29/2025	08:56
VY0529SBS01	VY0529SBS01	VY022455.D	05/29/2025	09:27
VY0529SBSD01	VY0529SBSD01	VY022456.D	05/29/2025	09:50
TP-44	Q2150-01	VY022460.D	05/29/2025	12:25
TP-39	Q2150-03	VY022462.D	05/29/2025	13:12
TP-48	Q2150-04	VY022463.D	05/29/2025	13:36
TP-47	Q2150-05	VY022464.D	05/29/2025	13:59
TP-50	Q2150-06	VY022465.D	05/29/2025	14:22
TP-51	Q2150-07	VY022466.D	05/29/2025	14:46
TP-52	Q2150-08	VY022467.D	05/29/2025	15:09
TP-54	Q2150-09	VY022468.D	05/29/2025	15:33
TP-53	Q2150-10	VY022469.D	05/29/2025	15:56

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2150 SAS No.: Q2150 SDG NO.: Q2150

Lab File ID: VY022488.D BFB Injection Date: 06/02/2025

Instrument ID: MSVOA_Y BFB Injection Time: 08:31

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	25.6
75	30.0 - 60.0% of mass 95	58.9
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	0.5 (0.6) 1
174	50.0 - 100.0% of mass 95	86.2
175	5.0 - 9.0% of mass 174	6.6 (7.6) 1
176	95.0 - 101.0% of mass 174	82.5 (95.6) 1
177	5.0 - 9.0% of mass 176	5.4 (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:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC005	VSTDICC005	VY022491.D	06/02/2025	11:46
VSTDICC010	VSTDICC010	VY022492.D	06/02/2025	12:09
VSTDICC020	VSTDICC020	VY022493.D	06/02/2025	12:32
VSTDICCC050	VSTDICCC050	VY022494.D	06/02/2025	12:54
VSTDICC100	VSTDICC100	VY022495.D	06/02/2025	13:17
VSTDICC150	VSTDICC150	VY022496.D	06/02/2025	13:39
VY0602SBL02	VY0602SBL02	VY022499.D	06/02/2025	16:00
VY0602SBS01	VY0602SBS01	VY022500.D	06/02/2025	16:24
TP-42	Q2150-02	VY022506.D	06/02/2025	18:44
TP-47RE	Q2150-05RE	VY022507.D	06/02/2025	19:08

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2150 SAS No.: Q2150 SDG NO.: Q2150

Lab File ID: VY022453.D Date Analyzed: 05/29/2025

Instrument ID: MSVOA_Y Time Analyzed: 08:23

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	217073	7.72	367403	8.62	311885	11.42
UPPER LIMIT	434146	8.219	734806	9.122	623770	11.92
LOWER LIMIT	108537	7.219	183702	8.122	155943	10.92
EPA SAMPLE NO.						
TP-44	284770	7.71	525823	8.62	402756	11.42
TP-39	305036	7.71	550366	8.62	413432	11.42
TP-48	278545	7.72	518246	8.62	419041	11.42
TP-47	18571 *	7.72	25910 *	8.62	13686 *	11.42
TP-50	284911	7.71	538977	8.62	400662	11.42
TP-51	266889	7.71	485834	8.62	362765	11.42
TP-52	286667	7.71	522350	8.62	404746	11.42
TP-54	283443	7.71	517546	8.62	406523	11.41
TP-53	273493	7.71	503324	8.62	399677	11.41
VY0529SBL01	320837	7.72	584950	8.62	455837	11.43
VY0529SBS01	217849	7.72	376540	8.62	319754	11.42
VY0529SBSD01	205776	7.71	359832	8.62	305847	11.42

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: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2150 SAS No.: Q2150 SDG NO.: Q2150

Lab File ID: VY022453.D Date Analyzed: 05/29/2025

Instrument ID: MSVOA_Y Time Analyzed: 08:23

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

	IS4 AREA #		RT #				
12 HOUR STD	144539		13.353				
UPPER LIMIT	289078		13.853				
LOWER LIMIT	72269.5		12.853				
EPA SAMPLE NO.							
TP-44	123686		13.35				
TP-39	137454		13.35				
TP-48	155769		13.35				
TP-47	2224	*	13.35				
TP-50	115590		13.35				
TP-51	99703		13.35				
TP-52	132959		13.35				
TP-54	140553		13.35				
TP-53	145373		13.35				
VY0529SBL01	159461		13.35				
VY0529SBS01	148991		13.35				
VY0529SBSD01	140548		13.35				

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.

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2150 SAS No.: Q2150 SDG NO.: Q2150

Lab File ID: VY022494.D Date Analyzed: 06/02/2025

Instrument ID: MSVOA_Y Time Analyzed: 12:54

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	209963	7.71	350947	8.62	298187	11.42
UPPER LIMIT	419926	8.213	701894	9.116	596374	11.92
LOWER LIMIT	104982	7.213	175474	8.116	149094	10.92
EPA SAMPLE NO.						
TP-42	279093	7.71	514728	8.62	411552	11.42
TP-47RE	60813 *	7.71	105433 *	8.62	78237 *	11.42
VY0602SBL02	309051	7.71	557091	8.62	442919	11.41
VY0602SBS01	201633	7.71	342745	8.62	291387	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: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2150 SAS No.: Q2150 SDG NO.: Q2150

Lab File ID: VY022494.D Date Analyzed: 06/02/2025

Instrument ID: MSVOA_Y Time Analyzed: 12:54

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

	IS4 AREA #		RT #				
12 HOUR STD	139554		13.347				
UPPER LIMIT	279108		13.847				
LOWER LIMIT	69777		12.847				
EPA SAMPLE NO.							
TP-42	142944		13.35				
TP-47RE	24479	*	13.35				
VY0602SBL02	162489		13.35				
VY0602SBS01	136847		13.35				

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

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

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	VY0529SBL01	SDG No.:	Q2150
Lab Sample ID:	VY0529SBL01	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:	Prep Date	Date Analyzed	Prep Batch ID
VY022454.D	1		05/29/25 08:56	VY052925

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:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	VY0529SBL01	SDG No.:	Q2150
Lab Sample ID:	VY0529SBL01	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:	Prep Date	Date Analyzed	Prep Batch ID
VY022454.D	1		05/29/25 08:56	VY052925

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	53.3		63 - 155	107%	SPK: 50
1868-53-7	Dibromofluoromethane	50.8		70 - 134	102%	SPK: 50
2037-26-5	Toluene-d8	50.1		74 - 123	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	40.9		17 - 146	82%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	321000	7.719			
540-36-3	1,4-Difluorobenzene	585000	8.621			
3114-55-4	Chlorobenzene-d5	456000	11.426			
3855-82-1	1,4-Dichlorobenzene-d4	159000	13.352			

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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	VY0529SBL01	SDG No.:	Q2150
Lab Sample ID:	VY0529SBL01	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:	Prep Date	Date Analyzed	Prep Batch ID
VY022454.D	1		05/29/25 08:56	VY052925

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:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	VY0602SBL02	SDG No.:	Q2150
Lab Sample ID:	VY0602SBL02	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:	Prep Date	Date Analyzed	Prep Batch ID
VY022499.D	1		06/02/25 16:00	VY060225

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:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	VY0602SBL02	SDG No.:	Q2150
Lab Sample ID:	VY0602SBL02	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:	Prep Date	Date Analyzed	Prep Batch ID
VY022499.D	1		06/02/25 16:00	VY060225

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	53.2		63 - 155	106%	SPK: 50
1868-53-7	Dibromofluoromethane	51.0		70 - 134	102%	SPK: 50
2037-26-5	Toluene-d8	49.7		74 - 123	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	42.8		17 - 146	86%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	309000	7.707			
540-36-3	1,4-Difluorobenzene	557000	8.616			
3114-55-4	Chlorobenzene-d5	443000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	162000	13.347			

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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	VY0602SBL02	SDG No.:	Q2150
Lab Sample ID:	VY0602SBL02	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:	Prep Date	Date Analyzed	Prep Batch ID
VY022499.D	1		06/02/25 16:00	VY060225

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:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	VY0529SBS01	SDG No.:	Q2150
Lab Sample ID:	VY0529SBS01	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:	Prep Date	Date Analyzed	Prep Batch ID
VY022455.D	1		05/29/25 09:27	VY052925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	22.5		1.10	5.00	ug/Kg
74-87-3	Chloromethane	26.3		1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	23.7		0.79	5.00	ug/Kg
74-83-9	Bromomethane	28.0		1.10	5.00	ug/Kg
75-00-3	Chloroethane	26.5		1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	24.0		1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	21.4		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	21.3		1.00	5.00	ug/Kg
67-64-1	Acetone	110		4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	20.9		1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	22.3		0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	22.9		1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	20.9		3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	20.9		0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	21.6		0.80	5.00	ug/Kg
110-82-7	Cyclohexane	20.8		0.79	5.00	ug/Kg
78-93-3	2-Butanone	110		6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	20.1		0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	21.2		0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	22.4		1.20	5.00	ug/Kg
67-66-3	Chloroform	21.8		0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	21.4		0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	20.3		0.91	5.00	ug/Kg
71-43-2	Benzene	20.8		0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	21.6		0.79	5.00	ug/Kg
79-01-6	Trichloroethene	20.5		0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	21.1		0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	20.9		0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	110		3.60	25.0	ug/Kg
108-88-3	Toluene	20.1		0.78	5.00	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	VY0529SBS01	SDG No.:	Q2150
Lab Sample ID:	VY0529SBS01	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:	Prep Date	Date Analyzed	Prep Batch ID
VY022455.D	1		05/29/25 09:27	VY052925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	21.2		0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	20.7		0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	21.1		0.92	5.00	ug/Kg
591-78-6	2-Hexanone	110		3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	21.1		0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	21.3		0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	20.9		1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	20.1		0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	19.7		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	19.9		0.82	5.00	ug/Kg
100-42-5	Styrene	20.1		0.71	5.00	ug/Kg
75-25-2	Bromoform	21.4		0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	19.8		0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	21.1		1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	19.4		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	20.3		1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	22.9		1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	19.8		3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	20.6		3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.5		63 - 155	107%	SPK: 50
1868-53-7	Dibromofluoromethane	49.6		70 - 134	99%	SPK: 50
2037-26-5	Toluene-d8	49.6		74 - 123	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.2		17 - 146	96%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	218000	7.719			
540-36-3	1,4-Difluorobenzene	377000	8.622			
3114-55-4	Chlorobenzene-d5	320000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	149000	13.352			

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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	VY0529SBS01	SDG No.:	Q2150
Lab Sample ID:	VY0529SBS01	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:	Prep Date	Date Analyzed	Prep Batch ID
VY022455.D	1		05/29/25 09:27	VY052925

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:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	VY0602SBS01	SDG No.:	Q2150
Lab Sample ID:	VY0602SBS01	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:	Prep Date	Date Analyzed	Prep Batch ID
VY022500.D	1		06/02/25 16:24	VY060225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	22.1		1.10	5.00	ug/Kg
74-87-3	Chloromethane	19.1		1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	20.5		0.79	5.00	ug/Kg
74-83-9	Bromomethane	21.8		1.10	5.00	ug/Kg
75-00-3	Chloroethane	20.8		1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	22.2		1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	20.8		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	20.5		1.00	5.00	ug/Kg
67-64-1	Acetone	87.0		4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	20.3		1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	20.5		0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	21.6		1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	19.1		3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	20.9		0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	20.6		0.80	5.00	ug/Kg
110-82-7	Cyclohexane	20.2		0.79	5.00	ug/Kg
78-93-3	2-Butanone	96.6		6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	20.0		0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	20.8		0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	20.1		1.20	5.00	ug/Kg
67-66-3	Chloroform	21.0		0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	21.3		0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	20.5		0.91	5.00	ug/Kg
71-43-2	Benzene	20.6		0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	20.6		0.79	5.00	ug/Kg
79-01-6	Trichloroethene	20.5		0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	20.8		0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	21.0		0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	98.7		3.60	25.0	ug/Kg
108-88-3	Toluene	20.0		0.78	5.00	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	VY0602SBS01	SDG No.:	Q2150
Lab Sample ID:	VY0602SBS01	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:	Prep Date	Date Analyzed	Prep Batch ID
VY022500.D	1		06/02/25 16:24	VY060225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	19.8		0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	20.4		0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	20.2		0.92	5.00	ug/Kg
591-78-6	2-Hexanone	96.4		3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	19.9		0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	20.7		0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	20.8		1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	20.3		0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	19.8		0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	39.6		1.20	10.0	ug/Kg
95-47-6	o-Xylene	19.8		0.82	5.00	ug/Kg
100-42-5	Styrene	19.4		0.71	5.00	ug/Kg
75-25-2	Bromoform	19.6		0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	19.6		0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	20.1		1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	19.2		1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	19.6		1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	20.0		1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	21.0		1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	20.7		3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	21.0		3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.8		63 - 155	102%	SPK: 50
1868-53-7	Dibromofluoromethane	51.6		70 - 134	103%	SPK: 50
2037-26-5	Toluene-d8	51.9		74 - 123	104%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.7		17 - 146	101%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	202000	7.713			
540-36-3	1,4-Difluorobenzene	343000	8.616			
3114-55-4	Chlorobenzene-d5	291000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	137000	13.347			

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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	VY0602SBS01	SDG No.:	Q2150
Lab Sample ID:	VY0602SBS01	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:	Prep Date	Date Analyzed	Prep Batch ID
VY022500.D	1		06/02/25 16:24	VY060225

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:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	VY0529SBSD01	SDG No.:	Q2150
Lab Sample ID:	VY0529SBSD01	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:	Prep Date	Date Analyzed	Prep Batch ID
VY022456.D	1		05/29/25 09:50	VY052925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	23.4		1.10	5.00	ug/Kg
74-87-3	Chloromethane	26.4		1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	24.5		0.79	5.00	ug/Kg
74-83-9	Bromomethane	28.8		1.10	5.00	ug/Kg
75-00-3	Chloroethane	27.0		1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	25.3		1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	21.3		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	22.1		1.00	5.00	ug/Kg
67-64-1	Acetone	120		4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	21.6		1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	23.0		0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	25.2		1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	21.4		3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	21.9		0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	22.8		0.80	5.00	ug/Kg
110-82-7	Cyclohexane	20.7		0.79	5.00	ug/Kg
78-93-3	2-Butanone	110		6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	20.5		0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	21.9		0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	22.0		1.20	5.00	ug/Kg
67-66-3	Chloroform	22.8		0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	21.6		0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	20.0		0.91	5.00	ug/Kg
71-43-2	Benzene	21.4		0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	21.9		0.79	5.00	ug/Kg
79-01-6	Trichloroethene	20.9		0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	21.9		0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	21.5		0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	110		3.60	25.0	ug/Kg
108-88-3	Toluene	20.6		0.78	5.00	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	VY0529SBSD01	SDG No.:	Q2150
Lab Sample ID:	VY0529SBSD01	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:	Prep Date	Date Analyzed	Prep Batch ID
VY022456.D	1		05/29/25 09:50	VY052925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	21.2		0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	21.2		0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	21.2		0.92	5.00	ug/Kg
591-78-6	2-Hexanone	110		3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	21.1		0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	21.6		0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	20.9		1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	20.9		0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	20.2		0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	40.0		1.20	10.0	ug/Kg
95-47-6	o-Xylene	20.3		0.82	5.00	ug/Kg
100-42-5	Styrene	20.4		0.71	5.00	ug/Kg
75-25-2	Bromoform	20.9		0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	20.4		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	20.5		1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	21.2		1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	21.1		1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	22.3		1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	21.7		3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	22.0		3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	55.1		63 - 155	110%	SPK: 50
1868-53-7	Dibromofluoromethane	52.5		70 - 134	105%	SPK: 50
2037-26-5	Toluene-d8	51.6		74 - 123	103%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.9		17 - 146	100%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	206000	7.713			
540-36-3	1,4-Difluorobenzene	360000	8.622			
3114-55-4	Chlorobenzene-d5	306000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	141000	13.347			

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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	VY0529SBSD01	SDG No.:	Q2150
Lab Sample ID:	VY0529SBSD01	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:	Prep Date	Date Analyzed	Prep Batch ID
VY022456.D	1		05/29/25 09:50	VY052925

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

Alliance TECHNICAL GROUP
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VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2150 SAS No.: Q2150 SDG No.: Q2150

Instrument ID: MSVOA_Y Calibration Date(s): 05/27/2025 05/27/2025

Heated Purge: (Y/N) Y Calibration Time(s): 08:50 10:44

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

LAB FILE ID: RRF005 = VY022421.D RRF010 = VY022422.D RRF020 = VY022423.D
RRF050 = VY022424.D RRF100 = VY022425.D RRF150 = VY022426.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.544	0.509	0.526	0.423	0.430	0.429	0.477	11.6
Chloromethane	1.364	1.331	1.300	1.196	0.936	0.912	1.173	17.1
Vinyl Chloride	1.535	1.493	1.522	1.453	1.292	1.257	1.425	8.5
Bromomethane	1.261	1.281	1.397	1.275	1.213	1.345	1.295	5.1
Chloroethane	0.930	0.881	0.949	1.015	0.907	0.907	0.932	5
Trichlorofluoromethane	1.243	1.174	1.222	1.197	1.187	1.193	1.203	2.1
1,1,2-Trichlorotrifluoroethane	0.552	0.517	0.541	0.520	0.523	0.512	0.528	2.9
1,1-Dichloroethene	0.552	0.512	0.533	0.511	0.520	0.515	0.524	3
Acetone	0.094	0.090	0.081	0.085	0.086	0.083	0.087	5.6
Carbon Disulfide	1.672	1.675	1.707	1.653	1.672	1.650	1.672	1.2
Methyl tert-butyl Ether	1.353	1.359	1.357	1.386	1.445	1.445	1.391	3.1
Methyl Acetate	0.288	0.319	0.296	0.308	0.351	0.383	0.324	11.2
Methylene Chloride	0.778	0.669	0.578	0.549	0.550	0.543	0.611	15.5
trans-1,2-Dichloroethene	0.595	0.556	0.555	0.561	0.582	0.582	0.572	2.9
1,1-Dichloroethane	1.000	0.986	1.035	1.027	1.062	1.056	1.028	2.9
Cyclohexane	1.220	1.044	0.997	0.939	0.947	0.931	1.013	10.9
2-Butanone	0.137	0.144	0.136	0.142	0.152	0.154	0.144	5.2
Carbon Tetrachloride	0.473	0.456	0.471	0.481	0.510	0.512	0.484	4.7
cis-1,2-Dichloroethene	0.655	0.647	0.650	0.652	0.684	0.685	0.662	2.6
Bromochloromethane	0.400	0.426	0.435	0.439	0.439	0.437	0.429	3.5
Chloroform	0.966	0.970	1.023	1.026	1.052	1.038	1.013	3.5
1,1,1-Trichloroethane	0.900	0.894	0.916	0.913	0.952	0.940	0.919	2.5
Methylcyclohexane	0.611	0.602	0.603	0.614	0.638	0.636	0.618	2.6
Benzene	1.308	1.312	1.360	1.391	1.463	1.461	1.383	5
1,2-Dichloroethane	0.348	0.348	0.360	0.369	0.383	0.384	0.365	4.5
Trichloroethene	0.334	0.325	0.344	0.343	0.357	0.347	0.342	3.3
1,2-Dichloropropane	0.321	0.307	0.318	0.323	0.342	0.339	0.325	4
Bromodichloromethane	0.452	0.449	0.449	0.464	0.493	0.494	0.467	4.5
4-Methyl-2-Pentanone	0.185	0.197	0.198	0.218	0.237	0.242	0.213	10.8
Toluene	0.782	0.805	0.842	0.868	0.929	0.957	0.864	7.9

* 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.

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VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2150 SAS No.: Q2150 SDG No.: Q2150

Instrument ID: MSVOA_Y Calibration Date(s): 05/27/2025 05/27/2025

Heated Purge: (Y/N) Y Calibration Time(s): 08:50 10:44

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

LAB FILE ID: RRF005 = VY022421.D RRF010 = VY022422.D RRF020 = VY022423.D
RRF050 = VY022424.D RRF100 = VY022425.D RRF150 = VY022426.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
t-1,3-Dichloropropene	0.400	0.414	0.416	0.434	0.472	0.473	0.435	7.1
cis-1,3-Dichloropropene	0.477	0.480	0.504	0.508	0.549	0.547	0.511	6.1
1,1,2-Trichloroethane	0.219	0.216	0.226	0.229	0.243	0.243	0.229	5.1
2-Hexanone	0.121	0.125	0.129	0.145	0.157	0.159	0.140	12
Dibromochloromethane	0.258	0.274	0.284	0.302	0.320	0.321	0.293	8.7
1,2-Dibromoethane	0.199	0.189	0.207	0.215	0.223	0.225	0.210	6.8
Tetrachloroethene	0.433	0.417	0.433	0.429	0.429	0.413	0.426	2.1
Chlorobenzene	1.020	1.000	1.051	1.067	1.132	1.127	1.066	5.1
Ethyl Benzene	1.823	1.828	1.920	1.980	2.142	2.185	1.980	7.8
m/p-Xylenes	0.698	0.660	0.723	0.756	0.825	0.841	0.751	9.5
o-Xylene	0.654	0.637	0.673	0.709	0.768	0.792	0.705	8.9
Styrene	1.037	1.020	1.117	1.197	1.317	1.359	1.175	12.1
Bromoform	0.169	0.176	0.184	0.192	0.206	0.210	0.189	8.6
Isopropylbenzene	3.863	3.741	3.946	3.871	4.105	4.086	3.935	3.6
1,1,2,2-Tetrachloroethane	0.623	0.574	0.604	0.615	0.652	0.653	0.620	4.8
1,3-Dichlorobenzene	1.587	1.558	1.674	1.695	1.836	1.874	1.704	7.5
1,4-Dichlorobenzene	1.596	1.527	1.617	1.642	1.707	1.687	1.629	4
1,2-Dichlorobenzene	1.383	1.332	1.431	1.416	1.495	1.482	1.423	4.3
1,2-Dibromo-3-Chloropropane	0.103	0.093	0.096	0.093	0.093	0.096	0.096	3.8
1,2,4-Trichlorobenzene	0.714	0.724	0.771	0.828	0.842	0.856	0.789	7.8
1,2,3-Trichlorobenzene	0.575	0.554	0.644	0.684	0.703	0.722	0.647	10.7
1,2-Dichloroethane-d4	0.507	0.525	0.517	0.532	0.541	0.538	0.527	2.5
Dibromofluoromethane	0.287	0.281	0.283	0.290	0.309	0.308	0.293	4.3
Toluene-d8	1.159	1.133	1.168	1.176	1.274	1.251	1.194	4.7
4-Bromofluorobenzene	0.377	0.331	0.345	0.355	0.382	0.376	0.361	5.7

* 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.

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Fax : 908 789 8922

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2150 SAS No.: Q2150 SDG No.: Q2150

Instrument ID: MSVOA_Y Calibration Date(s): 06/02/2025 06/02/2025

Heated Purge: (Y/N) Y Calibration Time(s): 11:46 13:39

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

LAB FILE ID: RRF005 = VY022491.D RRF010 = VY022492.D RRF020 = VY022493.D
RRF050 = VY022494.D RRF100 = VY022495.D RRF150 = VY022496.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.433	0.542	0.495	0.413	0.397	0.405	0.448	13
Chloromethane	1.320	1.590	1.431	1.230	1.178	1.185	1.322	12.3
Vinyl Chloride	1.371	1.814	1.647	1.497	1.444	1.432	1.534	10.8
Bromomethane	1.365	1.735	1.705	1.240	1.341	1.436	1.470	13.8
Chloroethane	0.973	1.278	1.198	0.965	0.941	0.964	1.053	13.8
Trichlorofluoromethane	1.135	1.492	1.430	1.224	1.223	1.310	1.302	10.5
1,1,2-Trichlorotrifluoroethane	0.510	0.615	0.572	0.538	0.522	0.534	0.549	7.1
1,1-Dichloroethene	0.469	0.577	0.549	0.518	0.510	0.523	0.524	7
Acetone	0.130	0.119	0.120	0.116	0.105	0.092	0.114	11.6
Carbon Disulfide	1.503	1.870	1.731	1.664	1.638	1.666	1.679	7.2
Methyl tert-butyl Ether	1.307	1.618	1.571	1.470	1.435	1.462	1.477	7.4
Methyl Acetate	0.280	0.408	0.396	0.333	0.301	0.301	0.336	15.9
Methylene Chloride	0.861	0.700	0.637	0.574	0.548	0.550	0.645	18.7
trans-1,2-Dichloroethene	0.522	0.651	0.612	0.571	0.574	0.592	0.587	7.4
1,1-Dichloroethane	0.968	1.193	1.124	1.060	1.051	1.080	1.079	7
Cyclohexane	1.168	1.208	1.098	1.015	0.970	0.988	1.075	9.2
2-Butanone	0.143	0.174	0.178	0.168	0.163	0.157	0.164	7.6
Carbon Tetrachloride	0.415	0.516	0.497	0.508	0.508	0.537	0.497	8.5
cis-1,2-Dichloroethene	0.592	0.731	0.706	0.682	0.668	0.691	0.678	7
Bromochloromethane	0.470	0.477	0.479	0.454	0.469	0.474	0.471	1.9
Chloroform	0.960	1.183	1.109	1.058	1.043	1.062	1.069	6.9
1,1,1-Trichloroethane	0.819	1.029	0.970	0.948	0.951	0.977	0.949	7.4
Methylcyclohexane	0.568	0.674	0.645	0.657	0.664	0.698	0.651	6.9
Benzene	1.213	1.487	1.473	1.441	1.452	1.518	1.431	7.7
1,2-Dichloroethane	0.320	0.424	0.413	0.390	0.395	0.401	0.391	9.4
Trichloroethene	0.294	0.388	0.353	0.355	0.350	0.358	0.350	8.7
1,2-Dichloropropane	0.274	0.364	0.354	0.344	0.344	0.349	0.338	9.6
Bromodichloromethane	0.380	0.525	0.499	0.491	0.491	0.508	0.482	10.7
4-Methyl-2-Pentanone	0.175	0.242	0.246	0.243	0.244	0.246	0.233	12.1
Toluene	0.732	0.932	0.904	0.903	0.933	0.990	0.899	9.8

* 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.

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Fax : 908 789 8922

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2150 SAS No.: Q2150 SDG No.: Q2150

Instrument ID: MSVOA_Y Calibration Date(s): 06/02/2025 06/02/2025

Heated Purge: (Y/N) Y Calibration Time(s): 11:46 13:39

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

LAB FILE ID: RRF005 = VY022491.D RRF010 = VY022492.D RRF020 = VY022493.D
RRF050 = VY022494.D RRF100 = VY022495.D RRF150 = VY022496.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
t-1,3-Dichloropropene	0.350	0.468	0.476	0.461	0.468	0.487	0.452	11.2
cis-1,3-Dichloropropene	0.423	0.549	0.545	0.537	0.544	0.558	0.526	9.7
1,1,2-Trichloroethane	0.207	0.257	0.258	0.242	0.243	0.249	0.243	7.7
2-Hexanone	0.120	0.158	0.166	0.162	0.165	0.162	0.156	11.3
Dibromochloromethane	0.248	0.320	0.325	0.314	0.319	0.323	0.308	9.6
1,2-Dibromoethane	0.174	0.236	0.239	0.223	0.225	0.230	0.221	10.9
Tetrachloroethene	0.375	0.474	0.448	0.437	0.416	0.432	0.430	7.7
Chlorobenzene	0.949	1.170	1.102	1.116	1.120	1.182	1.106	7.5
Ethyl Benzene	1.655	2.090	2.006	2.083	2.148	2.332	2.052	10.9
m/p-Xylenes	0.616	0.780	0.765	0.785	0.822	0.899	0.778	11.9
o-Xylene	0.583	0.749	0.721	0.734	0.764	0.826	0.729	11
Styrene	0.909	1.195	1.189	1.233	1.291	1.417	1.206	13.9
Bromoform	0.161	0.209	0.200	0.201	0.206	0.214	0.198	9.7
Isopropylbenzene	3.470	4.308	4.090	4.136	4.167	4.460	4.105	8.3
1,1,2,2-Tetrachloroethane	0.570	0.738	0.692	0.682	0.671	0.689	0.674	8.3
1,3-Dichlorobenzene	1.514	1.783	1.730	1.733	1.809	1.963	1.755	8.3
1,4-Dichlorobenzene	1.508	1.814	1.733	1.701	1.677	1.781	1.702	6.3
1,2-Dichlorobenzene	1.246	1.582	1.547	1.512	1.490	1.564	1.490	8.3
1,2-Dibromo-3-Chloropropane	0.074	0.110	0.103	0.105	0.098	0.099	0.098	12.7
1,2,4-Trichlorobenzene	0.667	0.863	0.812	0.817	0.851	0.865	0.813	9.2
1,2,3-Trichlorobenzene	0.622	0.721	0.712	0.699	0.710	0.714	0.697	5.3
1,2-Dichloroethane-d4	0.523	0.574	0.556	0.591	0.552	0.559	0.559	4.1
Dibromofluoromethane	0.264	0.283	0.301	0.321	0.307	0.315	0.298	7.2
Toluene-d8	1.067	1.181	1.158	1.279	1.253	1.298	1.206	7.2
4-Bromofluorobenzene	0.339	0.339	0.347	0.372	0.373	0.386	0.359	5.6

* 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.

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2150 SAS No.: Q2150 SDG No.: Q2150

Instrument ID: MSVOA_Y Calibration Date/Time: 05/29/2025 08:23

Lab File ID: VY022453.D Init. Calib. Date(s): 05/27/2025 05/27/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 08:50 10:44

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.477	0.443		-7.13	20
Chloromethane	1.173	1.080	0.1	-7.93	20
Vinyl Chloride	1.425	1.441		1.12	20
Bromomethane	1.295	1.134		-12.43	20
Chloroethane	0.932	0.992		6.44	20
Trichlorofluoromethane	1.203	1.195		-0.67	20
1,1,2-Trichlorotrifluoroethane	0.528	0.543		2.84	20
1,1-Dichloroethene	0.524	0.537		2.48	20
Acetone	0.087	0.104		19.54	20
Carbon Disulfide	1.672	1.727		3.29	20
Methyl tert-butyl Ether	1.391	1.429		2.73	20
Methyl Acetate	0.324	0.357		10.19	20
Methylene Chloride	0.611	0.599		-1.96	20
trans-1,2-Dichloroethene	0.572	0.593		3.67	20
1,1-Dichloroethane	1.028	1.100	0.1	7	20
Cyclohexane	1.013	0.984		-2.86	20
2-Butanone	0.144	0.156		8.33	20
Carbon Tetrachloride	0.484	0.508		4.96	20
cis-1,2-Dichloroethene	0.662	0.699		5.59	20
Bromochloromethane	0.429	0.474		10.49	20
Chloroform	1.013	1.070		5.63	20
1,1,1-Trichloroethane	0.919	0.965		5.01	20
Methylcyclohexane	0.618	0.621		0.49	20
Benzene	1.383	1.457		5.35	20
1,2-Dichloroethane	0.365	0.379		3.84	20
Trichloroethene	0.342	0.351		2.63	20
1,2-Dichloropropane	0.325	0.341		4.92	20
Bromodichloromethane	0.467	0.486		4.07	20
4-Methyl-2-Pentanone	0.213	0.219		2.82	20
Toluene	0.864	0.906		4.86	20
t-1,3-Dichloropropene	0.435	0.453		4.14	20
cis-1,3-Dichloropropene	0.511	0.531		3.91	20
1,1,2-Trichloroethane	0.229	0.235		2.62	20
2-Hexanone	0.140	0.147		5	20
Dibromochloromethane	0.293	0.307		4.78	20
1,2-Dibromoethane	0.210	0.214		1.9	20
Tetrachloroethene	0.426	0.446		4.7	20
Chlorobenzene	1.066	1.114	0.3	4.5	20

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

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VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2150 SAS No.: Q2150 SDG No.: Q2150

Instrument ID: MSVOA_Y Calibration Date/Time: 05/29/2025 08:23

Lab File ID: VY022453.D Init. Calib. Date(s): 05/27/2025 05/27/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 08:50 10:44

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.980	2.068		4.44	20
m/p-Xylenes	0.751	0.779		3.73	20
o-Xylene	0.705	0.730		3.55	20
Styrene	1.175	1.240		5.53	20
Bromoform	0.189	0.192	0.1	1.59	20
Isopropylbenzene	3.935	4.134		5.06	20
1,1,2,2-Tetrachloroethane	0.620	0.610	0.3	-1.61	20
1,3-Dichlorobenzene	1.704	1.747		2.52	20
1,4-Dichlorobenzene	1.629	1.697		4.17	20
1,2-Dichlorobenzene	1.423	1.485		4.36	20
1,2-Dibromo-3-Chloropropane	0.096	0.093		-3.13	20
1,2,4-Trichlorobenzene	0.789	0.811		2.79	20
1,2,3-Trichlorobenzene	0.647	0.679		4.95	20
1,2-Dichloroethane-d4	0.527	0.542		2.85	20
Dibromofluoromethane	0.293	0.299		2.05	20
Toluene-d8	1.194	1.216		1.84	20
4-Bromofluorobenzene	0.361	0.361		0	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\VY052925\
Data File : VY022460.D
Acq On : 29 May 2025 12:25
Operator : SY/MD
Sample : Q2150-01
Misc : 7.32g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-44

Quant Time: May 30 05:33:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260
QLast Update : Wed May 28 10:34:06 2025
Response via : Initial Calibration

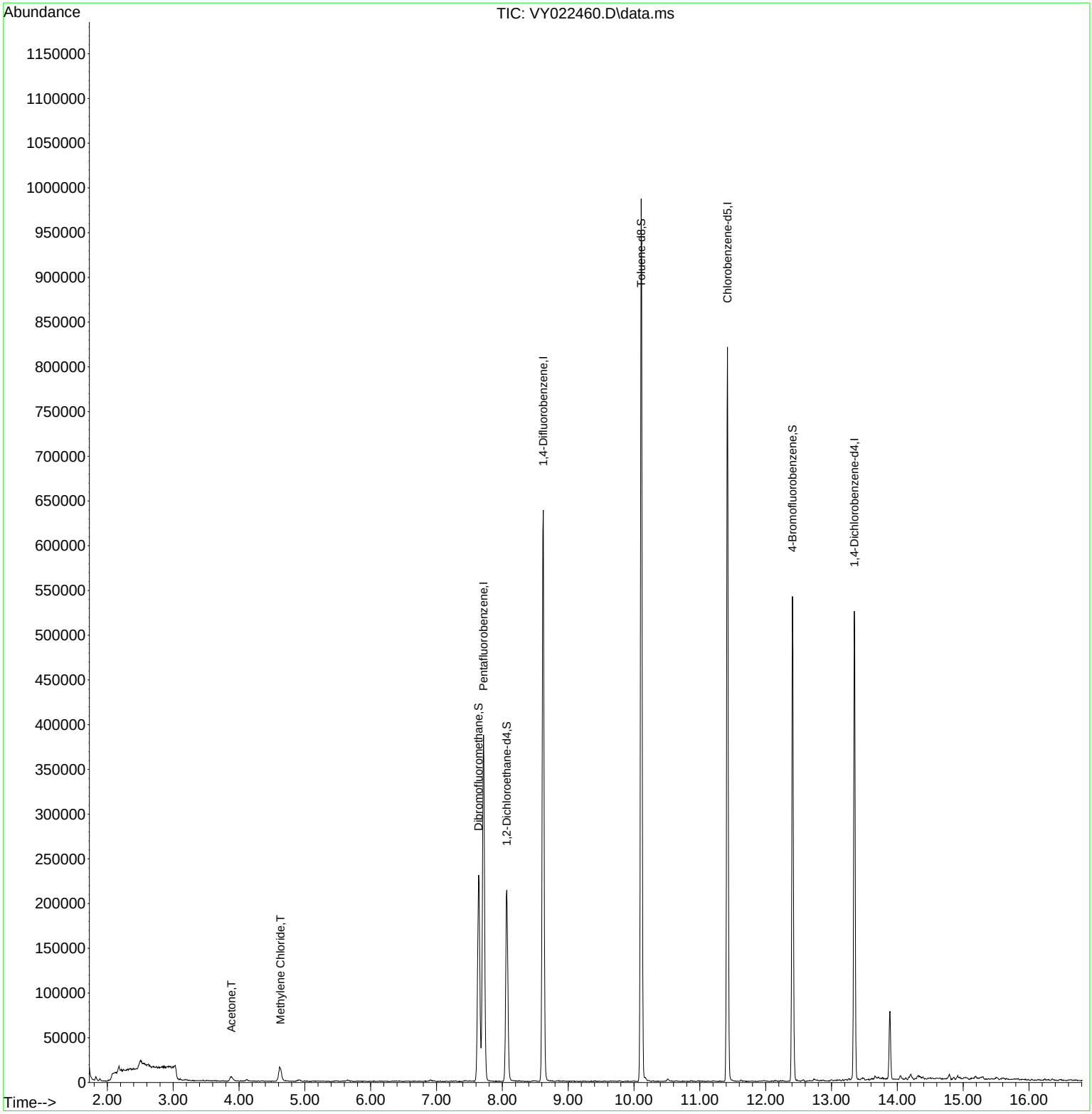
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	284770	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	525823	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	402756	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	123686	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	158622	52.883	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.760%			
35) Dibromofluoromethane	7.640	113	158238	51.386	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.780%			
50) Toluene-d8	10.109	98	619315	49.335	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 98.660%			
62) 4-Bromofluorobenzene	12.408	95	142942	37.644	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 75.280%			
Target Compounds						Qvalue
16) Acetone	3.885	43	9644	19.566	ug/l	95
20) Methylene Chloride	4.629	84	10949	3.146	ug/l	89

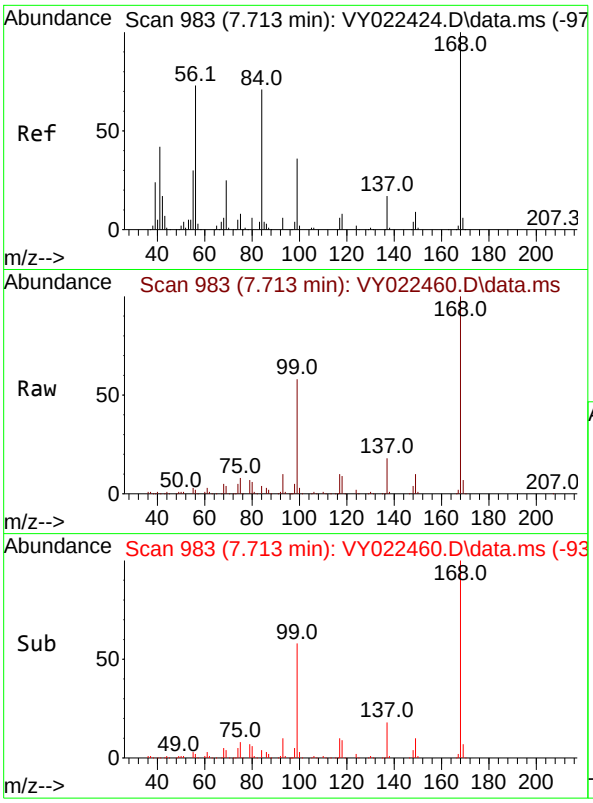
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052925\
Data File : VY022460.D
Acq On : 29 May 2025 12:25
Operator : SY/MD
Sample : Q2150-01
Misc : 7.32g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-44

Quant Time: May 30 05:33:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260
QLast Update : Wed May 28 10:34:06 2025
Response via : Initial Calibration



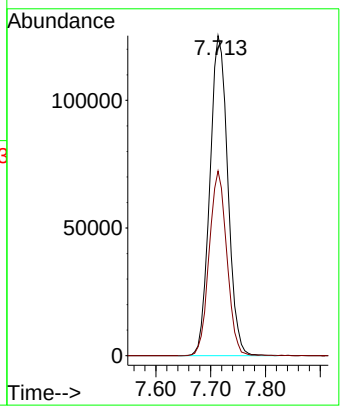


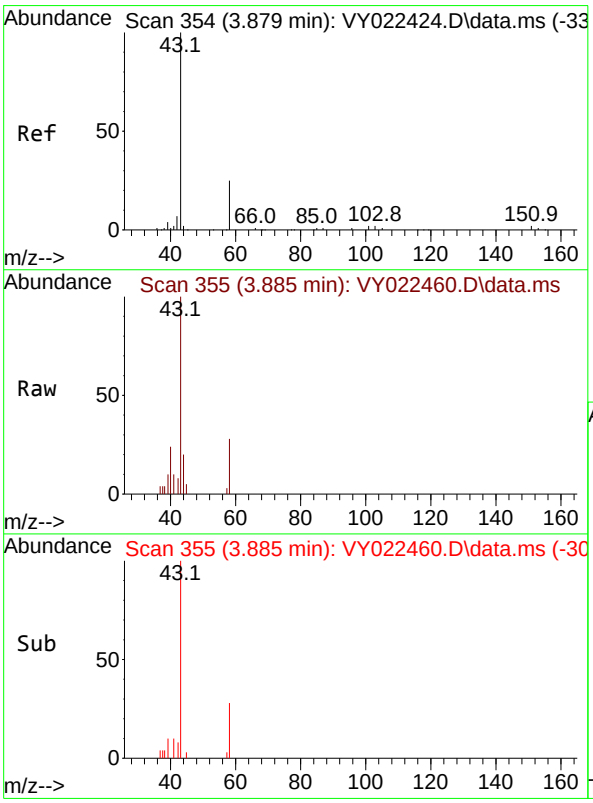
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022460.D
Acq: 29 May 2025 12:25

Instrument :
MSVOA_Y
ClientSampleId :
TP-44

Tgt Ion:168 Resp: 284770

Ion	Ratio	Lower	Upper
168	100		
99	57.7	44.7	67.1

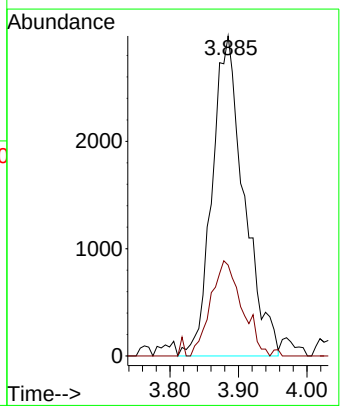


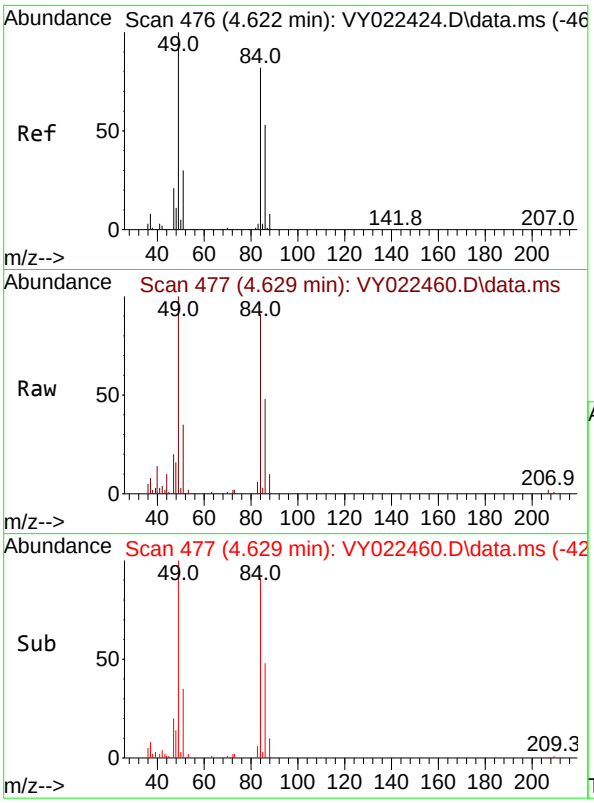


#16
Acetone
Concen: 19.566 ug/l
RT: 3.885 min Scan# 355
Delta R.T. 0.006 min
Lab File: VY022460.D
Acq: 29 May 2025 12:25

Tgt Ion: 43 Resp: 9644

Ion	Ratio	Lower	Upper
43	100		
58	28.4	20.6	30.8



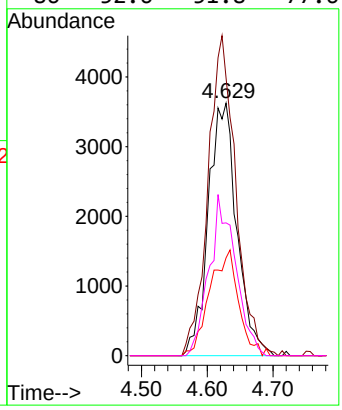


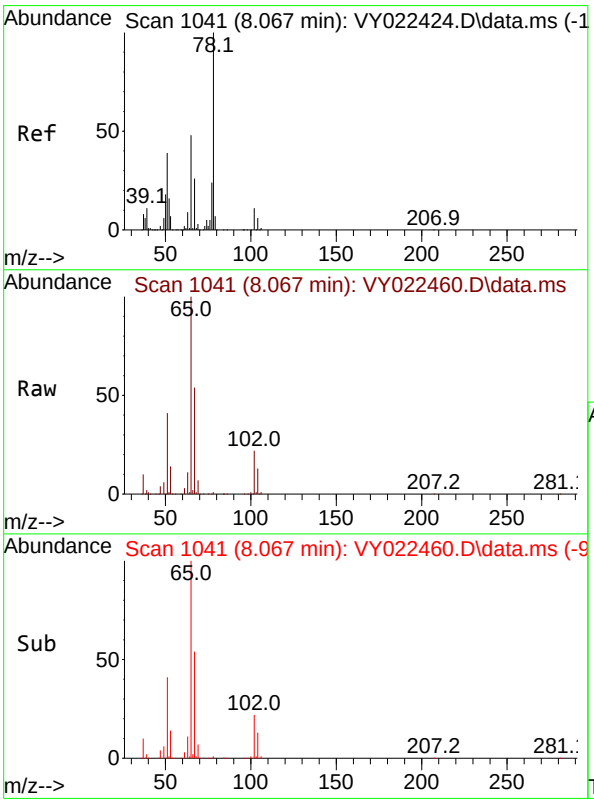
#20
Methylene Chloride
Concen: 3.146 ug/l
RT: 4.629 min Scan# 4
Delta R.T. 0.006 min
Lab File: VY022460.D
Acq: 29 May 2025 12:25

Instrument :
MSVOA_Y
ClientSampleId :
TP-44

Tgt Ion: 84 Resp: 10949

Ion	Ratio	Lower	Upper
84	100		
49	110.1	97.8	146.8
51	38.7	29.5	44.3
86	52.6	51.8	77.6

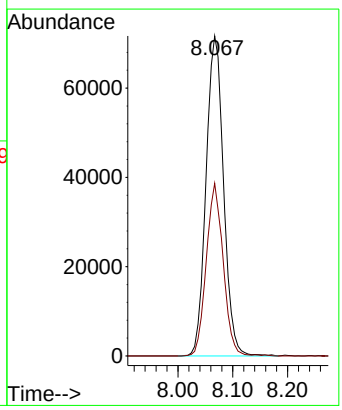




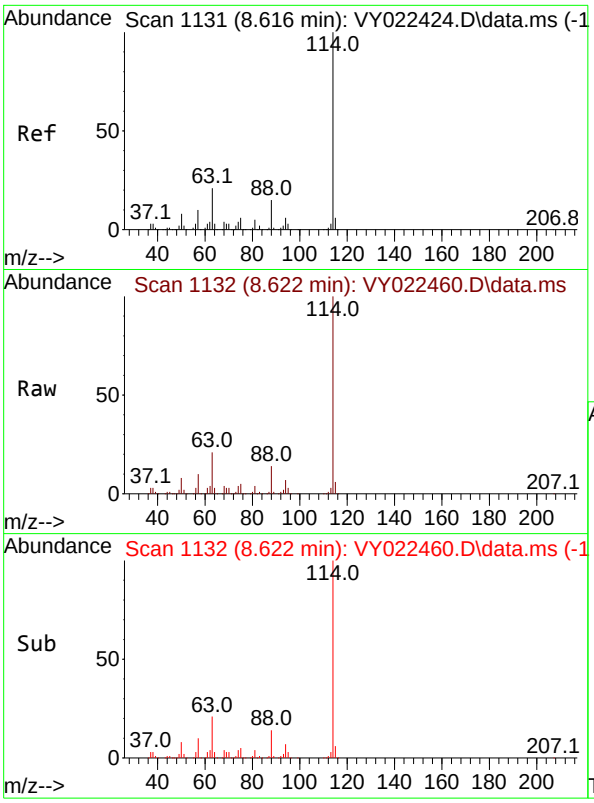
#33
1,2-Dichloroethane-d4
Concen: 52.883 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.000 min
Lab File: VY022460.D
Acq: 29 May 2025 12:25

Tgt Ion: 65 Resp: 158622

Ion	Ratio	Lower	Upper
65	100		
67	51.9	0.0	104.4



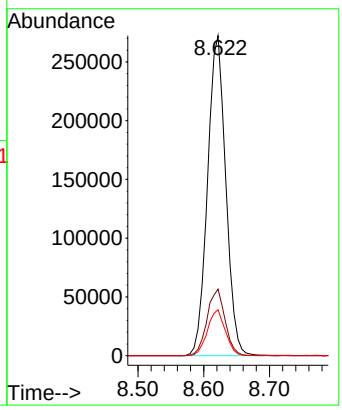
Instrument :
MSVOA_Y
ClientSampleId :
TP-44

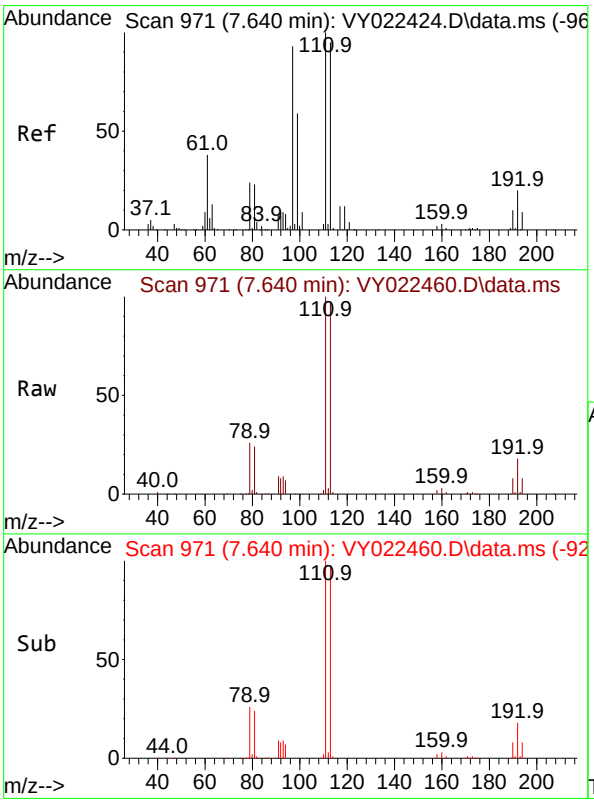


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY022460.D
Acq: 29 May 2025 12:25

Tgt Ion:114 Resp: 525823

Ion	Ratio	Lower	Upper
114	100		
63	20.8	0.0	42.6
88	14.3	0.0	29.4

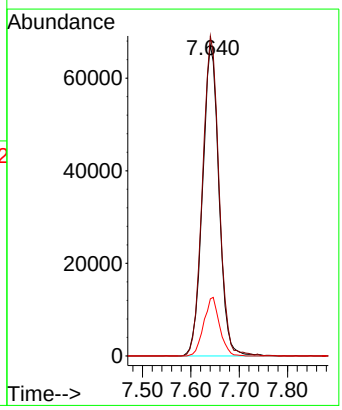


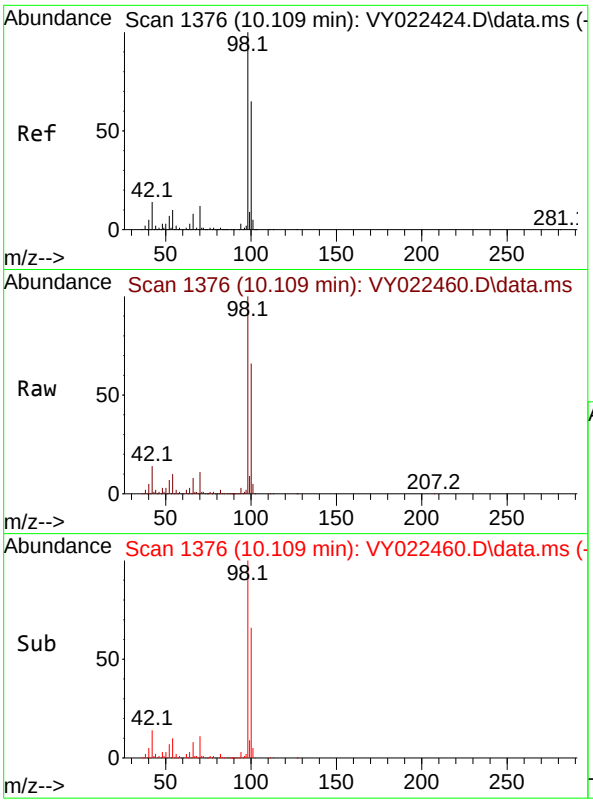


#35
Dibromofluoromethane
Concen: 51.386 ug/l
RT: 7.640 min Scan# 971
Delta R.T. 0.000 min
Lab File: VY022460.D
Acq: 29 May 2025 12:25

Tgt Ion:113 Resp: 158238

Ion	Ratio	Lower	Upper
113	100		
111	103.5	82.4	123.6
192	18.2	15.2	22.8



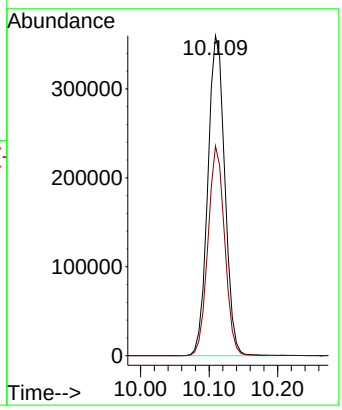


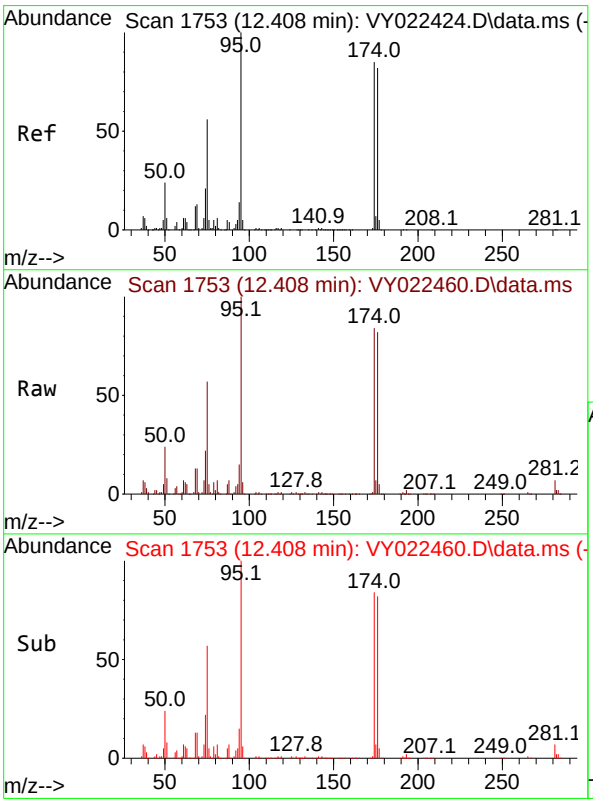
#50
Toluene-d8
Concen: 49.335 ug/l
RT: 10.109 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022460.D
Acq: 29 May 2025 12:25

Instrument :
MSVOA_Y
ClientSampleId :
TP-44

Tgt Ion: 98 Resp: 619315

Ion	Ratio	Lower	Upper
98	100		
100	64.3	52.2	78.2

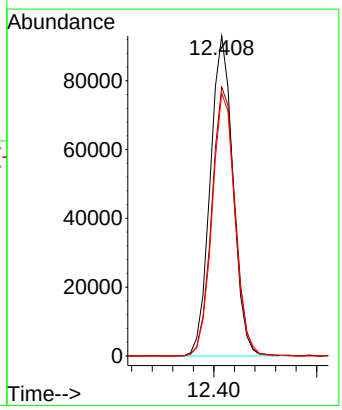


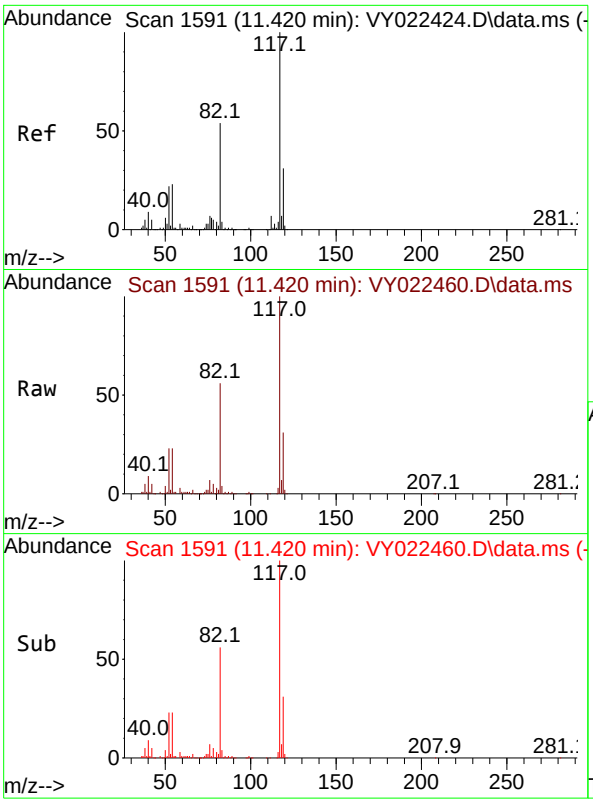


#62
4-Bromofluorobenzene
Concen: 37.644 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY022460.D
Acq: 29 May 2025 12:25

Tgt Ion: 95 Resp: 142942

Ion	Ratio	Lower	Upper
95	100		
174	86.0	0.0	171.6
176	82.6	0.0	164.6



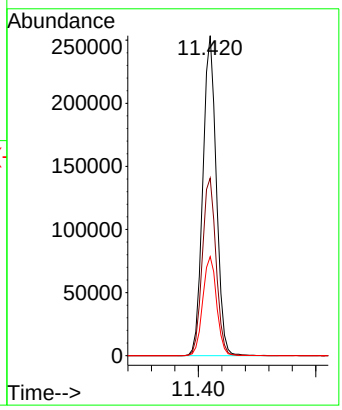


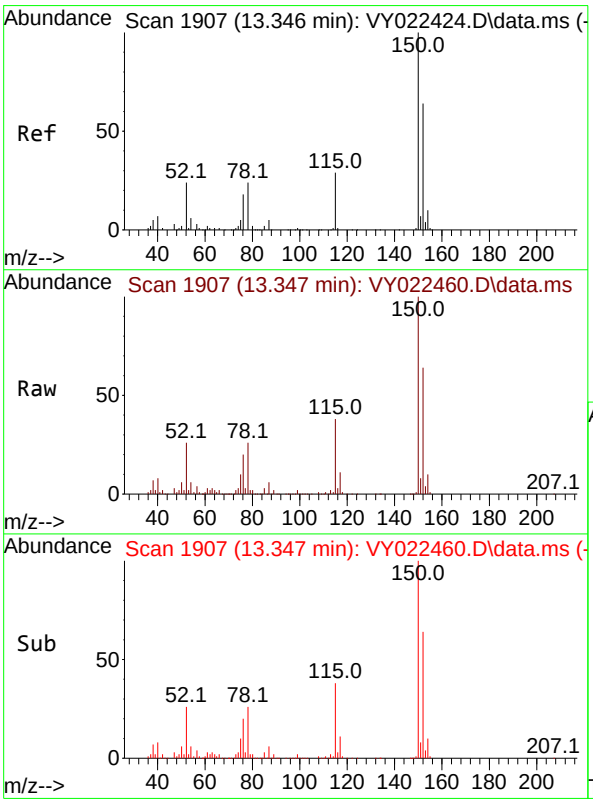
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022460.D
Acq: 29 May 2025 12:25

Instrument :
MSVOA_Y
ClientSampleId :
TP-44

Tgt Ion:117 Resp: 402756

Ion	Ratio	Lower	Upper
117	100		
82	55.5	43.3	64.9
119	30.9	24.5	36.7

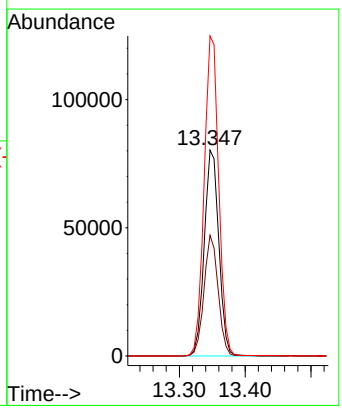




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY022460.D
Acq: 29 May 2025 12:25

Tgt Ion:152 Resp: 123686

Ion	Ratio	Lower	Upper
152	100		
115	56.9	28.4	85.3
150	155.1	0.0	345.8



Sample Results: **VY022460.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052925\
Data File : VY022460.D
Acq On : 29 May 2025 12:25
Operator : SY/MD
Sample : Q2150-01
Misc : 7.32g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-44

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\82Y052725S.M
Title : SW846 8260

Signal : TIC: VY022460.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	% max.	% of total
1	2.507	121	129	133	rBV5	8935	25288	1.49%	0.314%
2	4.616	466	475	489	rBV5	15842	48558	2.87%	0.603%
3	7.640	961	971	977	rBV2	230589	547562	32.31%	6.795%
4	7.713	977	983	997	rVB	386748	872771	51.50%	10.831%
5	8.067	1032	1041	1052	rBV	213881	481395	28.41%	5.974%
6	8.622	1122	1132	1144	rBV	638571	1249760	73.75%	15.509%
7	10.109	1368	1376	1385	rBV	986827	1694685	100.00%	21.030%
8	11.420	1583	1591	1601	rBV	820917	1324822	78.18%	16.440%
9	12.408	1746	1753	1763	rBV2	541984	881083	51.99%	10.934%
10	13.347	1896	1907	1916	rBV	524048	807802	47.67%	10.024%
11	13.889	1988	1996	2002	rBV2	75874	124673	7.36%	1.547%

Sum of corrected areas: 8058399

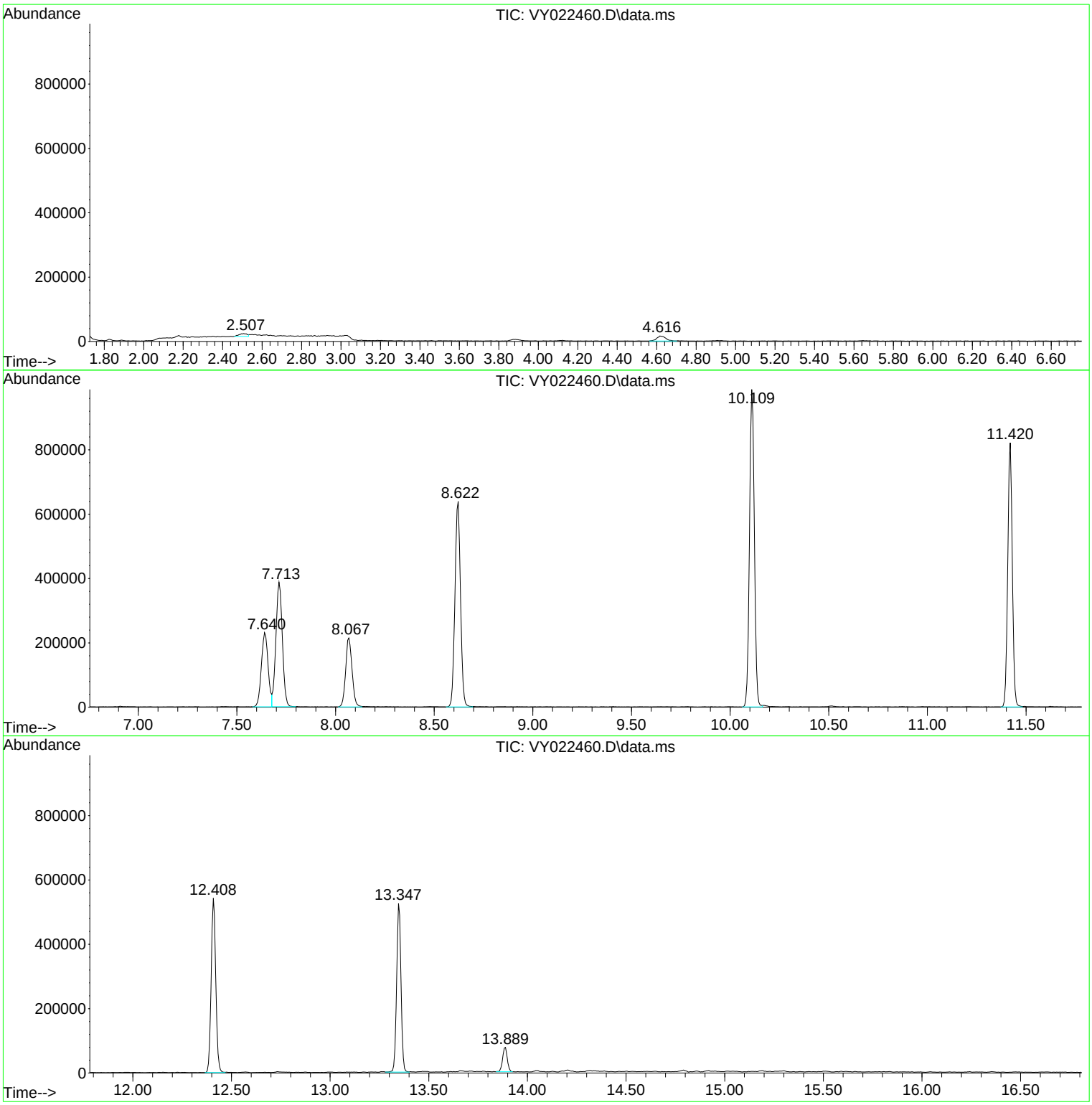
Sample Results: **VY022460.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052925\
Data File : VY022460.D
Acq On : 29 May 2025 12:25
Operator : SY/MD
Sample : Q2150-01
Misc : 7.32g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-44

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052925\
Data File : VY022460.D
Acq On : 29 May 2025 12:25
Operator : SY/MD
Sample : Q2150-01
Misc : 7.32g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-44

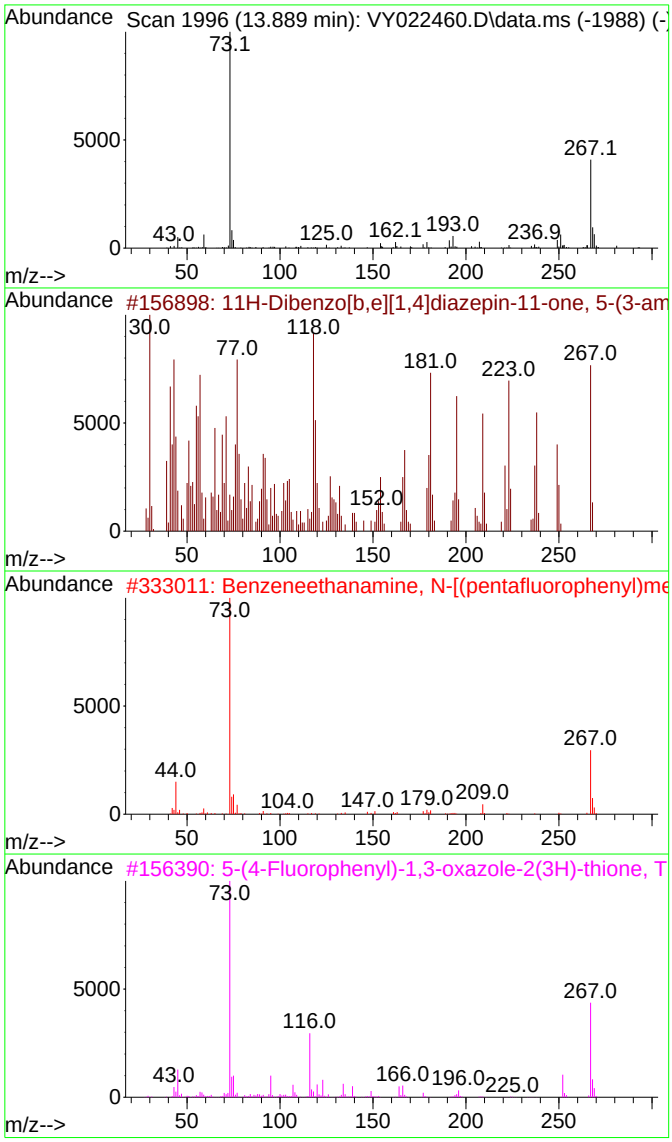
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260

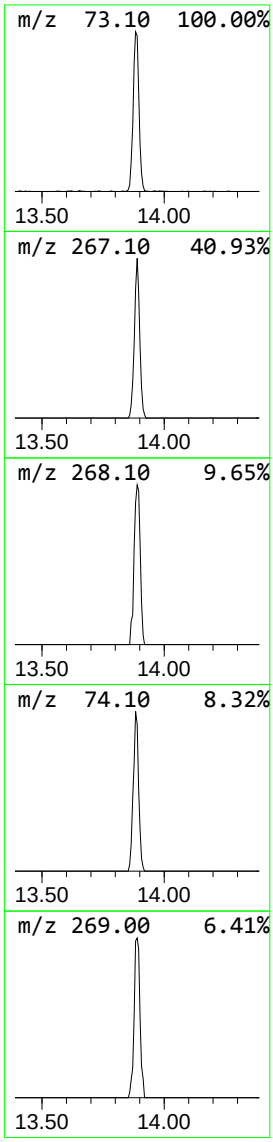
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 11H-Dibenzo[b,e][1,4]diazep... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.889	7.72 ug/l	124673	1,4-Dichlorobenzene-d4	13.347

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Dibenzo[b,e][1,4]diazepin-11...	267	C16H17N3O	013450-73-2	60
2	Benzeneethanamine, N-[(pentafluo...	475	C21H26F5NO2Si2	055429-85-1	59
3	5-(4-Fluorophenyl)-1,3-oxazole-2...	267	C12H14FNOSSi	1000497-07-6	59
4	4-Hydroxybenzoic acid, 2TMS deri...	282	C13H22O3Si2	002078-13-9	42
5	2-Pyrazinecarbohydrazide, 2 TMS ...	282	C11H22N4OSi2	1000477-45-2	42





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052925\
Data File : VY022460.D
Acq On : 29 May 2025 12:25
Operator : SY/MD
Sample : Q2150-01
Misc : 7.32g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-44

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.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
11H-Dibenzo[b,e...	13.889	7.7	ug/l	124673	4	13.347	807802	50.0

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022506.D
Acq On : 02 Jun 2025 18:44
Operator : SY/MD
Sample : Q2150-02
Misc : 6.52g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-42

Quant Time: Jun 03 04:09:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 2025
Response via : Initial Calibration

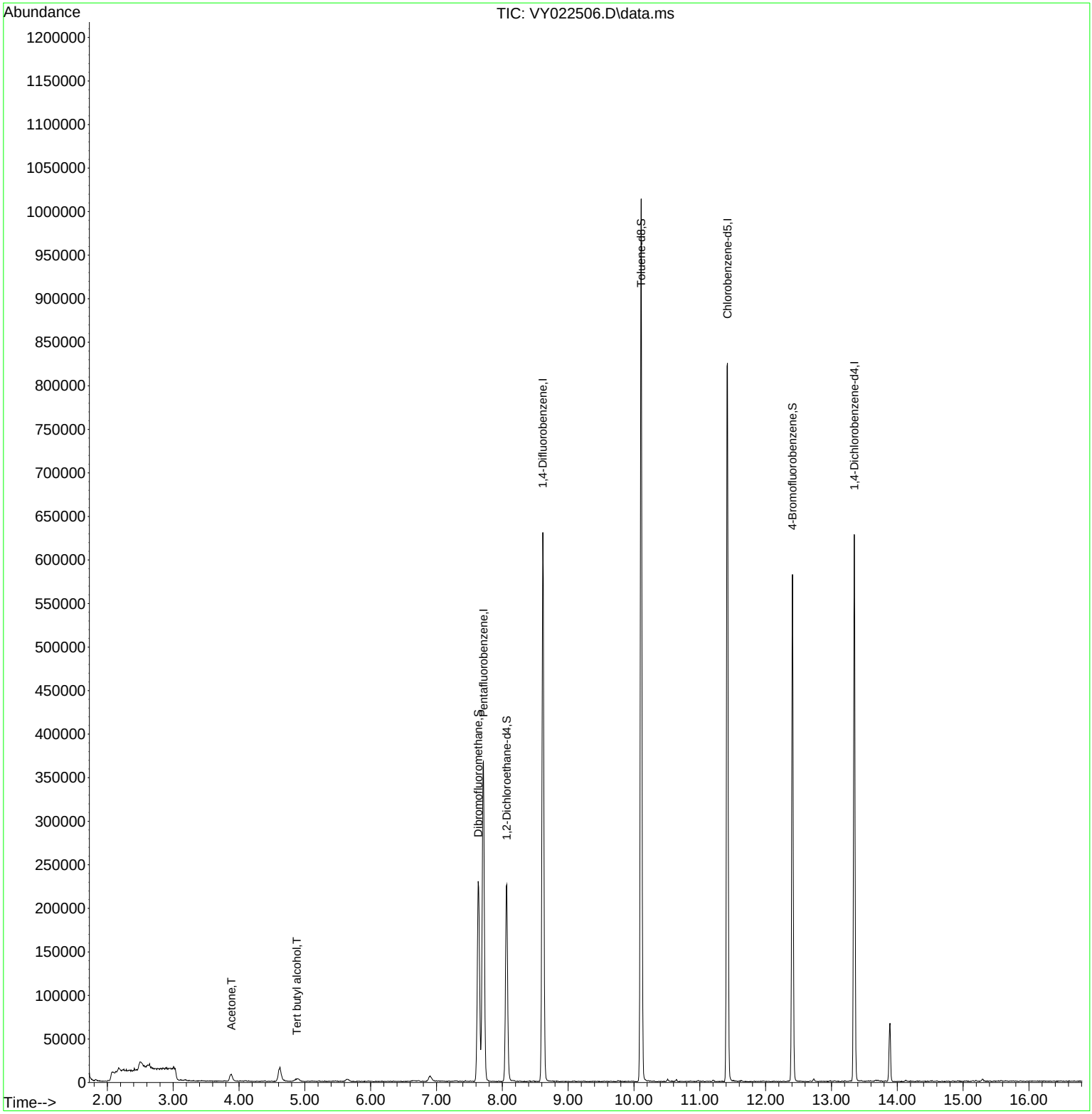
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	279093	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	514728	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	411552	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	142944	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	170529	54.630	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 109.260%			
35) Dibromofluoromethane	7.634	113	159229	51.827	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.660%			
50) Toluene-d8	10.109	98	621468	50.062	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.120%			
62) 4-Bromofluorobenzene	12.408	95	154197	41.689	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 83.380%			
Target Compounds						Qvalue
11) Tert butyl alcohol	4.878	59	4623	20.736	ug/l	96
16) Acetone	3.885	43	14916	23.529	ug/l	99

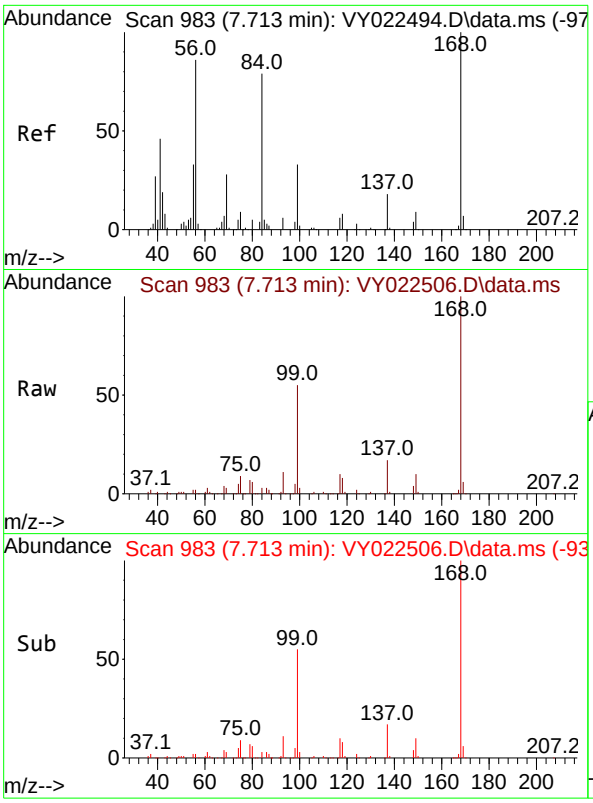
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022506.D
Acq On : 02 Jun 2025 18:44
Operator : SY/MD
Sample : Q2150-02
Misc : 6.52g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-42

Quant Time: Jun 03 04:09:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 2025
Response via : Initial Calibration



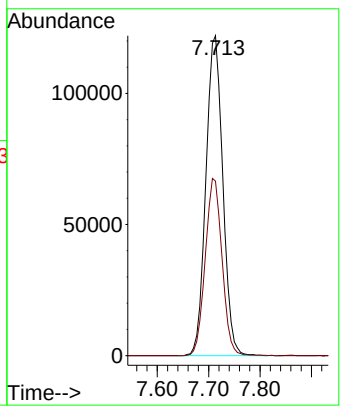


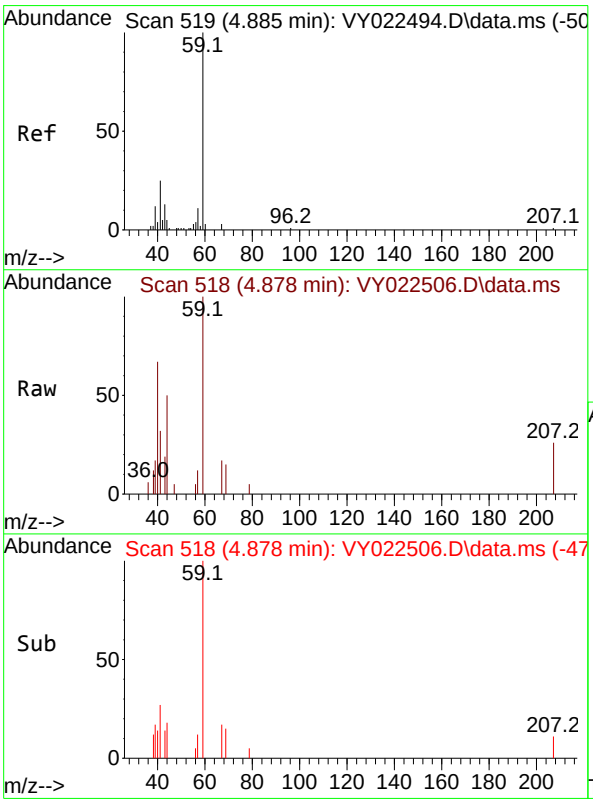
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022506.D
Acq: 02 Jun 2025 18:44

Instrument :
MSVOA_Y
ClientSampleId :
TP-42

Tgt Ion:168 Resp: 279093

Ion	Ratio	Lower	Upper
168	100		
99	54.5	44.3	66.5

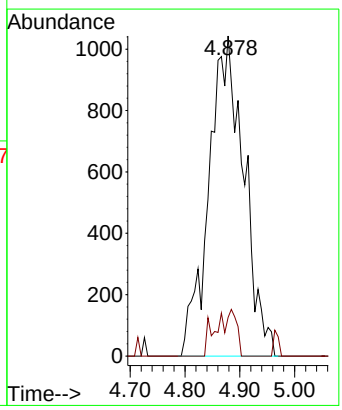


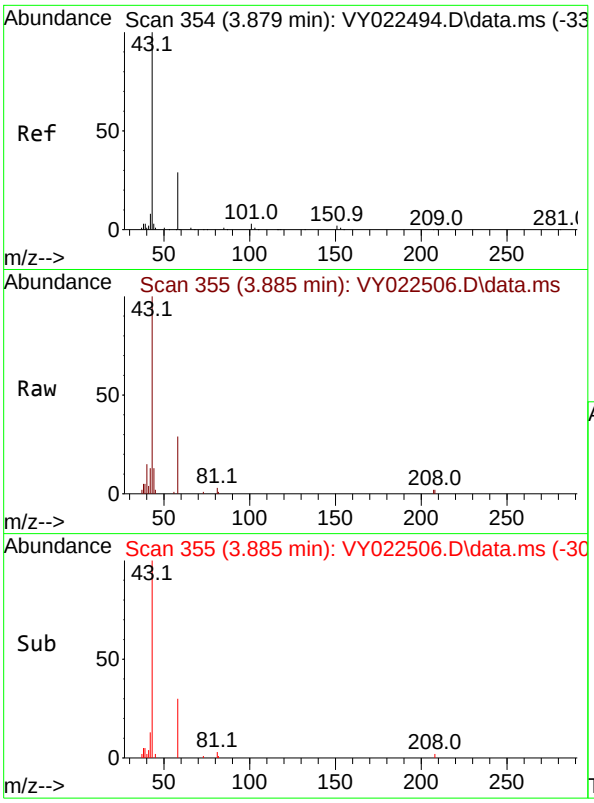


#11
Tert butyl alcohol
Concen: 20.736 ug/l
RT: 4.878 min Scan# 518
Delta R.T. -0.006 min
Lab File: VY022506.D
Acq: 02 Jun 2025 18:44

Tgt Ion: 59 Resp: 4623

Ion	Ratio	Lower	Upper
59	100		
57	8.4	8.0	12.0



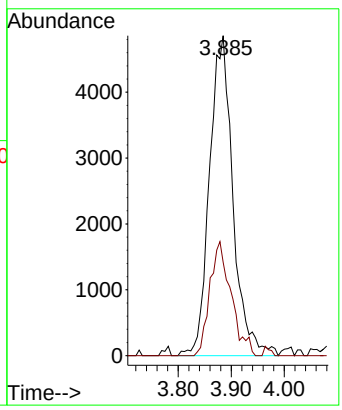


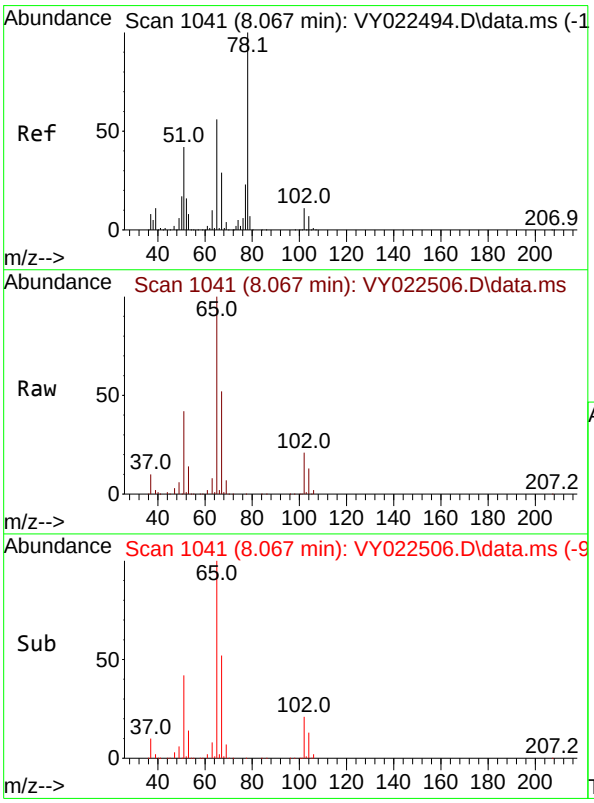
#16
Acetone
Concen: 23.529 ug/l
RT: 3.885 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY022506.D
Acq: 02 Jun 2025 18:44

Instrument :
MSVOA_Y
ClientSampleId :
TP-42

Tgt Ion: 43 Resp: 14916

Ion	Ratio	Lower	Upper
43	100		
58	29.2	24.0	36.0

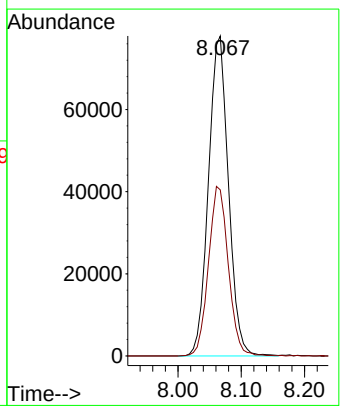


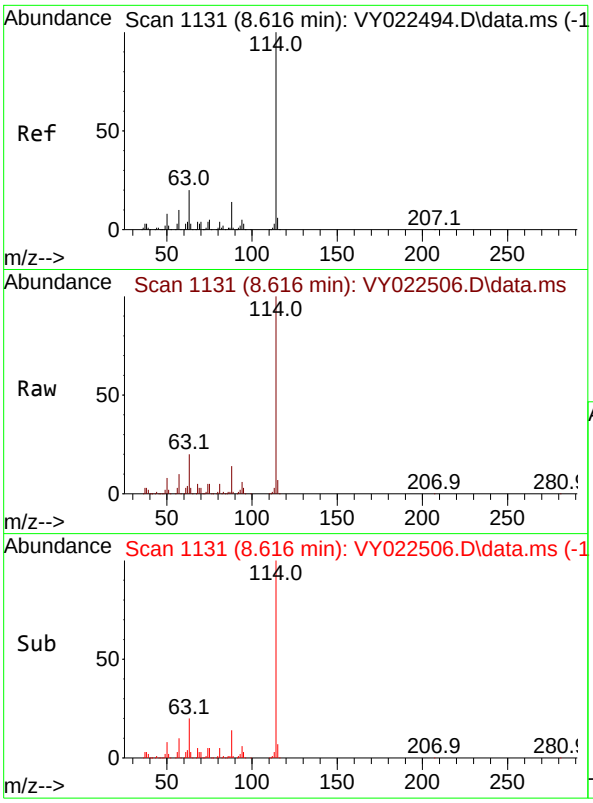


#33
1,2-Dichloroethane-d4
Concen: 54.630 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. -0.000 min
Lab File: VY022506.D
Acq: 02 Jun 2025 18:44

Tgt Ion: 65 Resp: 170529

Ion	Ratio	Lower	Upper
65	100		
67	52.8	0.0	103.4



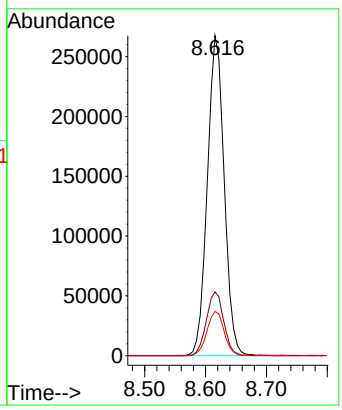


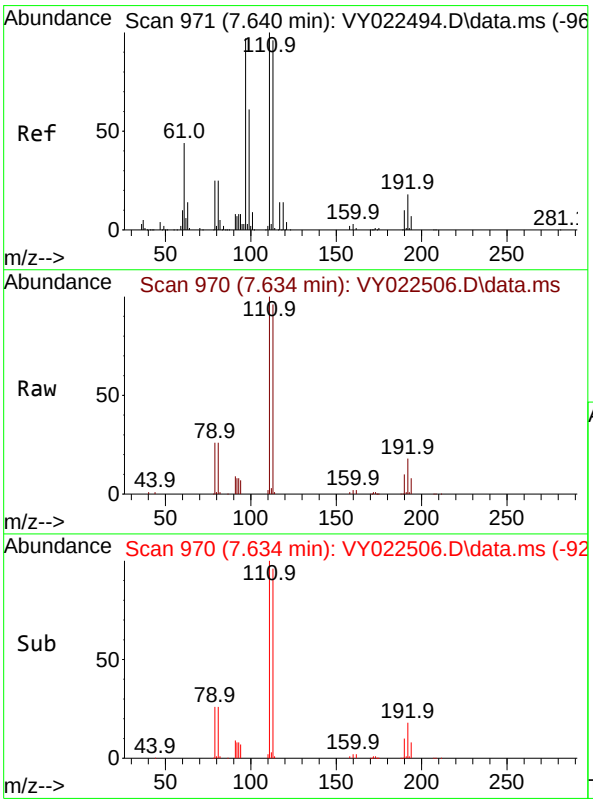
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY022506.D
Acq: 02 Jun 2025 18:44

Instrument :
MSVOA_Y
ClientSampleId :
TP-42

Tgt Ion:114 Resp: 514728

Ion	Ratio	Lower	Upper
114	100		
63	19.9	0.0	40.8
88	13.8	0.0	27.8

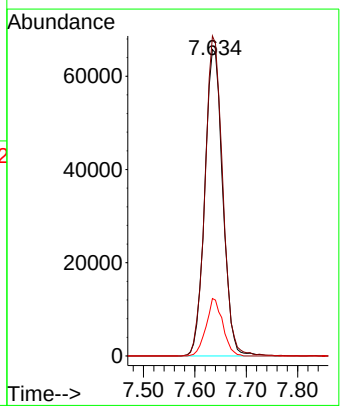


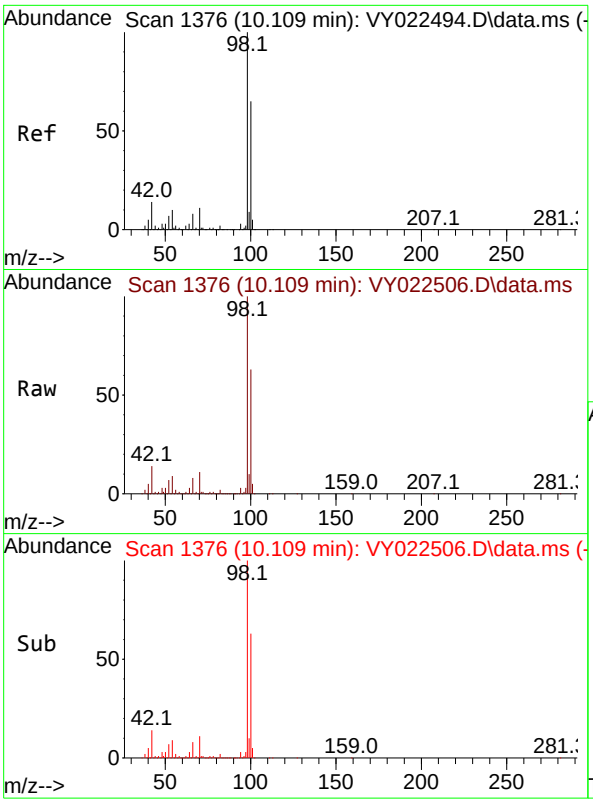


#35
Dibromofluoromethane
Concen: 51.827 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY022506.D
Acq: 02 Jun 2025 18:44

Tgt Ion:113 Resp: 159229

Ion	Ratio	Lower	Upper
113	100		
111	103.0	81.1	121.7
192	17.4	14.2	21.2



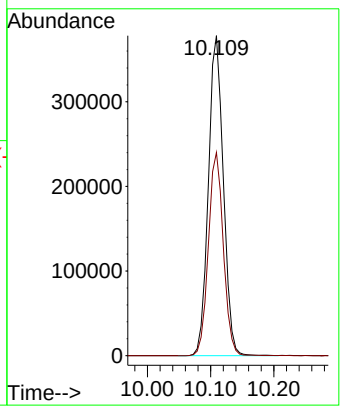


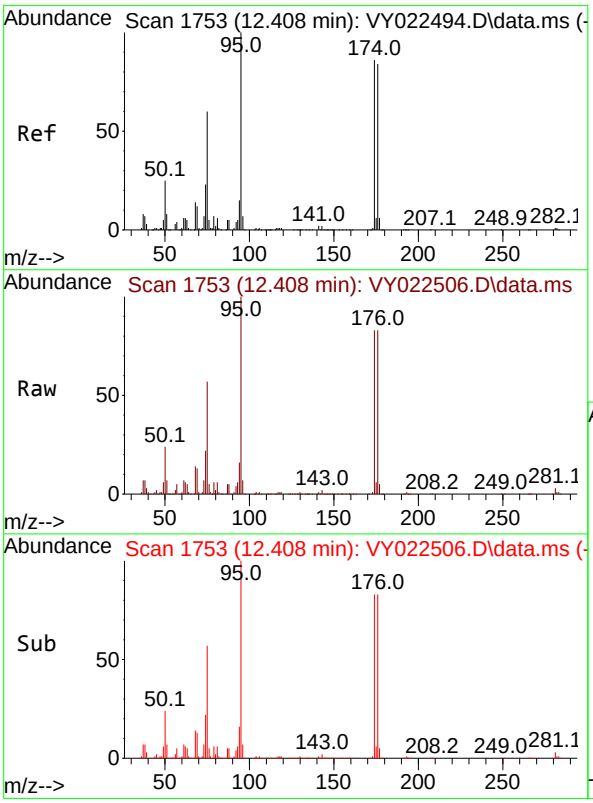
#50
Toluene-d8
Concen: 50.062 ug/l
RT: 10.109 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022506.D
Acq: 02 Jun 2025 18:44

Instrument :
MSVOA_Y
ClientSampleId :
TP-42

Tgt Ion: 98 Resp: 621468

Ion	Ratio	Lower	Upper
98	100		
100	63.3	51.4	77.0

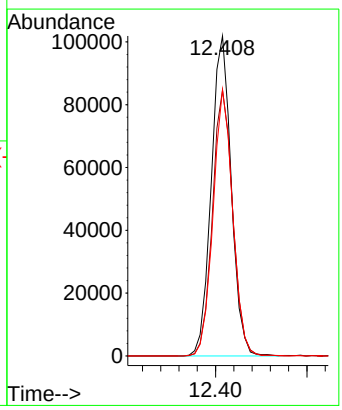


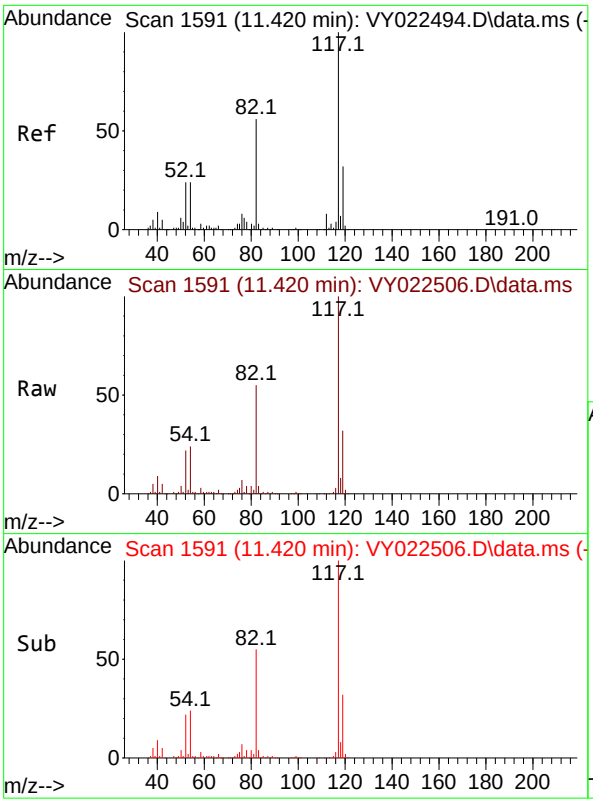


#62
4-Bromofluorobenzene
Concen: 41.689 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022506.D
Acq: 02 Jun 2025 18:44

Tgt Ion: 95 Resp: 154197

Ion	Ratio	Lower	Upper
95	100		
174	84.3	0.0	170.0
176	82.0	0.0	166.2



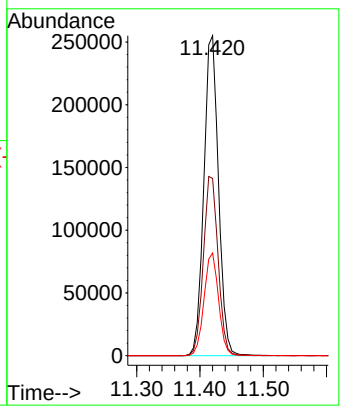


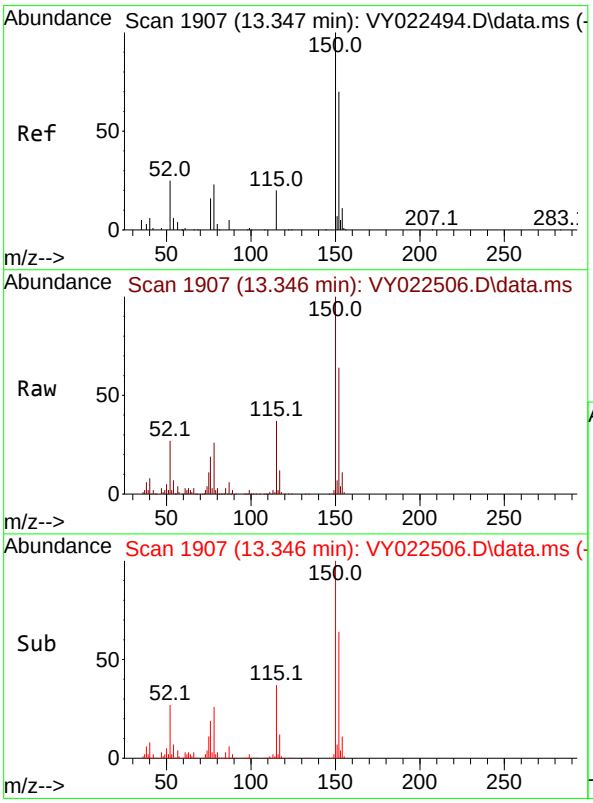
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022506.D
Acq: 02 Jun 2025 18:44

Instrument :
MSVOA_Y
ClientSampleId :
TP-42

Tgt Ion:117 Resp: 411552

Ion	Ratio	Lower	Upper
117	100		
82	55.4	44.6	66.8
119	32.1	25.4	38.0

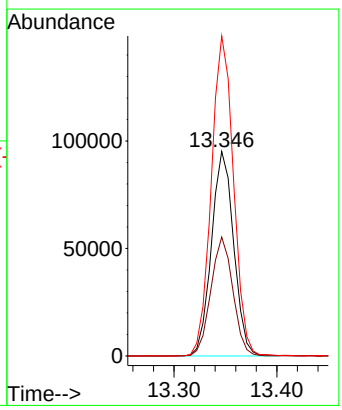




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022506.D
Acq: 02 Jun 2025 18:44

Tgt Ion:152 Resp: 142944

Ion	Ratio	Lower	Upper
152	100		
115	57.5	28.9	86.7
150	155.9	0.0	349.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022506.D
Acq On : 02 Jun 2025 18:44
Operator : SY/MD
Sample : Q2150-02
Misc : 6.52g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-42

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\82Y060225S.M
Title : SW846 8260

Signal : TIC: VY022506.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.080	50	59	64	rBV3	10041	35503	2.11%	0.428%
2	2.172	69	74	81	rVV7	5636	18645	1.11%	0.225%
3	2.495	122	127	136	rBV4	7990	28665	1.70%	0.345%
4	3.885	346	355	367	rVB2	8047	24323	1.44%	0.293%
5	4.622	464	476	486	rBV2	16331	51576	3.06%	0.621%
6	6.902	842	850	859	rBV4	6074	18735	1.11%	0.226%
7	7.634	959	970	976	rBV	230132	547681	32.52%	6.595%
8	7.713	976	983	993	rVB	365818	845274	50.20%	10.179%
9	8.067	1031	1041	1053	rBV	226017	504192	29.94%	6.072%
10	8.616	1121	1131	1143	rBV	630553	1225141	72.75%	14.754%
11	10.109	1366	1376	1392	rBV	1013861	1683968	100.00%	20.279%
12	11.420	1583	1591	1602	rBV	824958	1359770	80.75%	16.375%
13	12.408	1744	1753	1764	rBV	582027	904370	53.70%	10.891%
14	13.346	1900	1907	1916	rBV	627713	946671	56.22%	11.400%
15	13.889	1989	1996	2004	rVB2	66978	109545	6.51%	1.319%

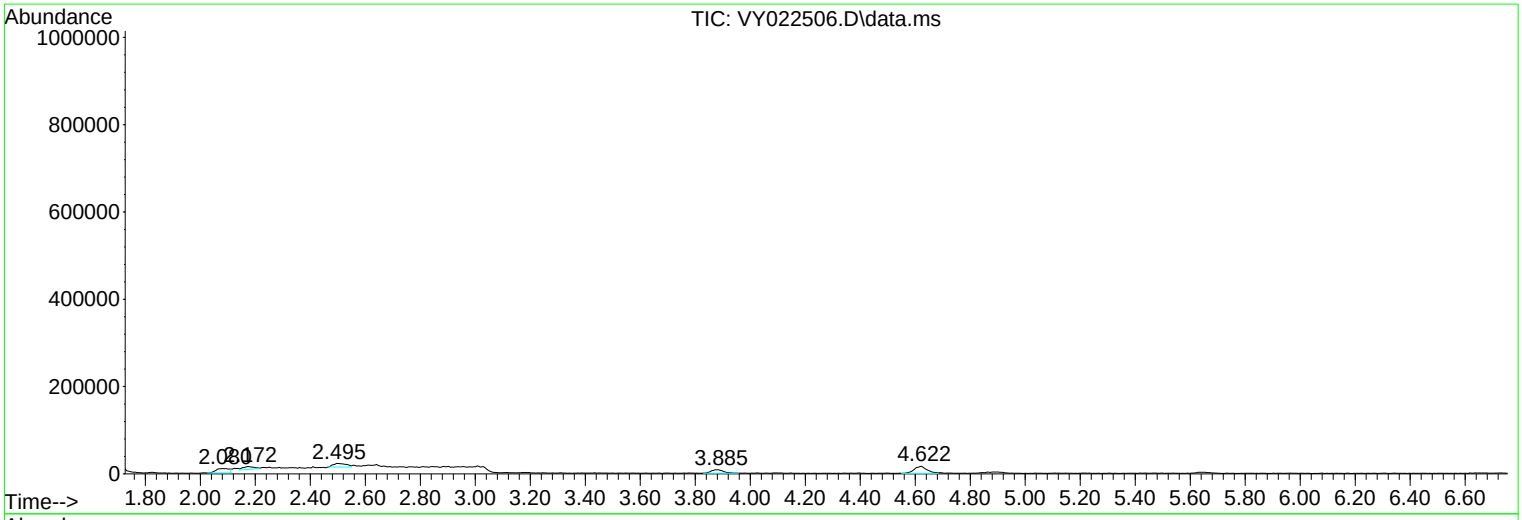
Sum of corrected areas: 8304059

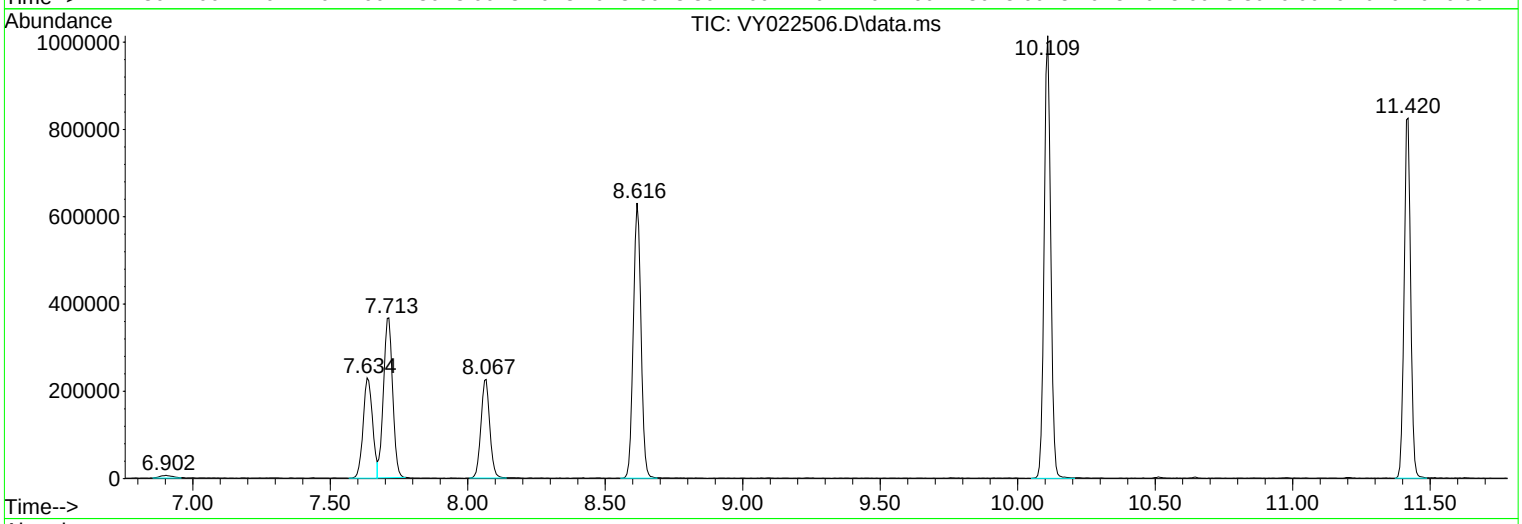
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022506.D
Acq On : 02 Jun 2025 18:44
Operator : SY/MD
Sample : Q2150-02
Misc : 6.52g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 21 Sample Multiplier: 1

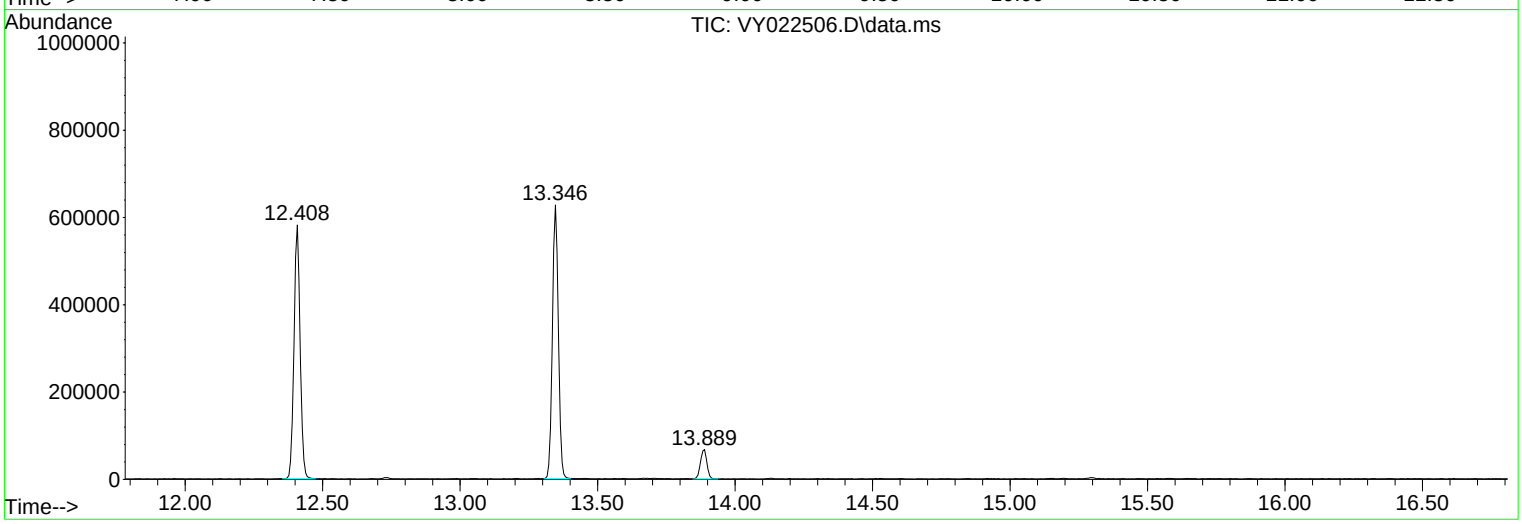
Instrument :
MSVOA_Y
ClientSampleId :
TP-42

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260

TIC Library :
TIC Integration Parameters: RTEINT.P







Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022506.D
Acq On : 02 Jun 2025 18:44
Operator : SY/MD
Sample : Q2150-02
Misc : 6.52g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-42

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260

TIC Library :
TIC Integration Parameters: RTEINT.P

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022506.D
Acq On : 02 Jun 2025 18:44
Operator : SY/MD
Sample : Q2150-02
Misc : 6.52g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-42

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260

TIC Library :
TIC Integration Parameters: RTEINT.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\VY052925\
Data File : VY022462.D
Acq On : 29 May 2025 13:12
Operator : SY/MD
Sample : Q2150-03
Misc : 7.24g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-39

Quant Time: May 30 05:34:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260
QLast Update : Wed May 28 10:34:06 2025
Response via : Initial Calibration

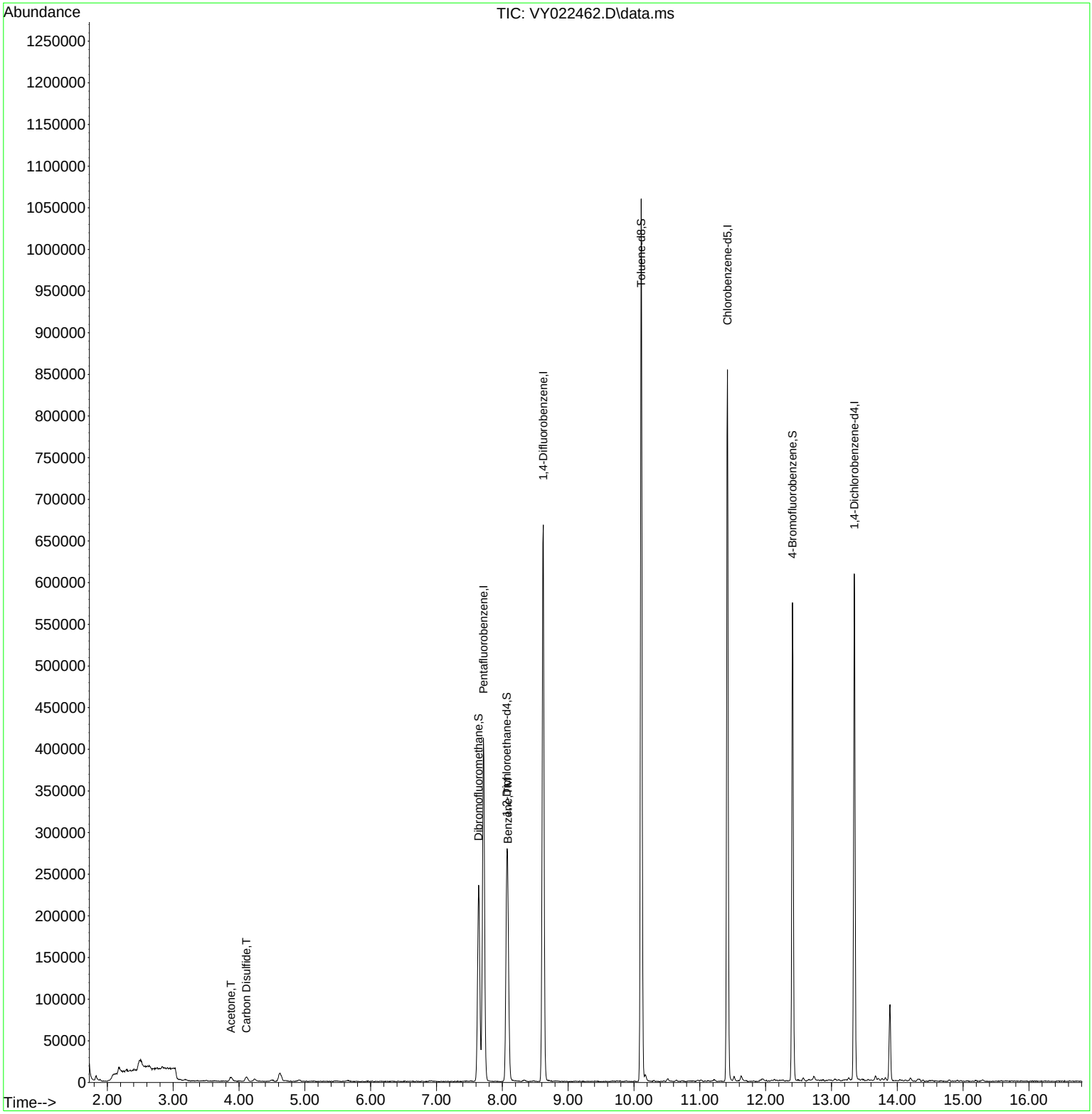
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	305036	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	550366	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	413432	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	137454	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	155110	48.276	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	96.560%		
35) Dibromofluoromethane	7.640	113	160938	49.933	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	99.860%		
50) Toluene-d8	10.109	98	654242	49.793	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	99.580%		
62) 4-Bromofluorobenzene	12.408	95	150107	37.768	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	75.540%		
Target Compounds						Qvalue
16) Acetone	3.879	43	9000	17.046	ug/l	100
17) Carbon Disulfide	4.110	76	10283	1.008	ug/l #	95
40) Benzene	8.085	78	133528	8.774	ug/l	99

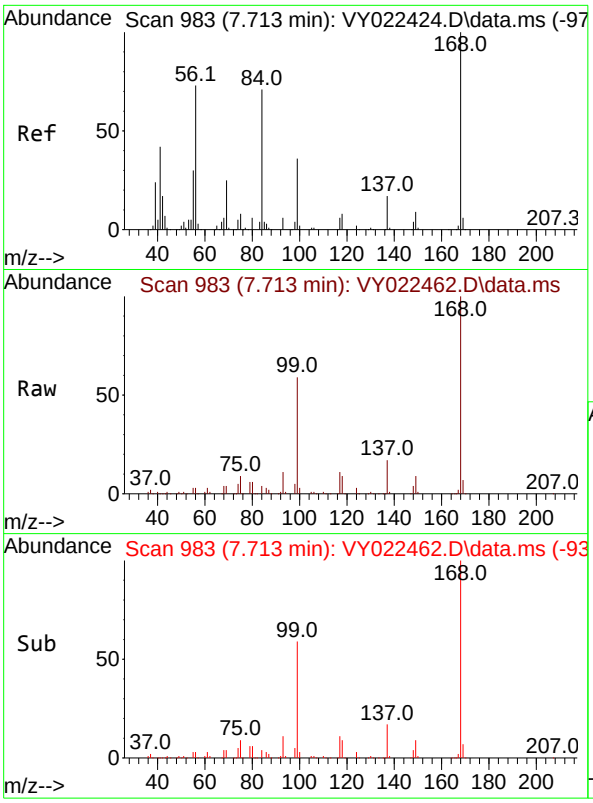
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052925\
Data File : VY022462.D
Acq On : 29 May 2025 13:12
Operator : SY/MD
Sample : Q2150-03
Misc : 7.24g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-39

Quant Time: May 30 05:34:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260
QLast Update : Wed May 28 10:34:06 2025
Response via : Initial Calibration



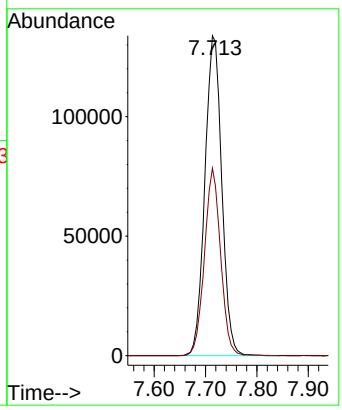


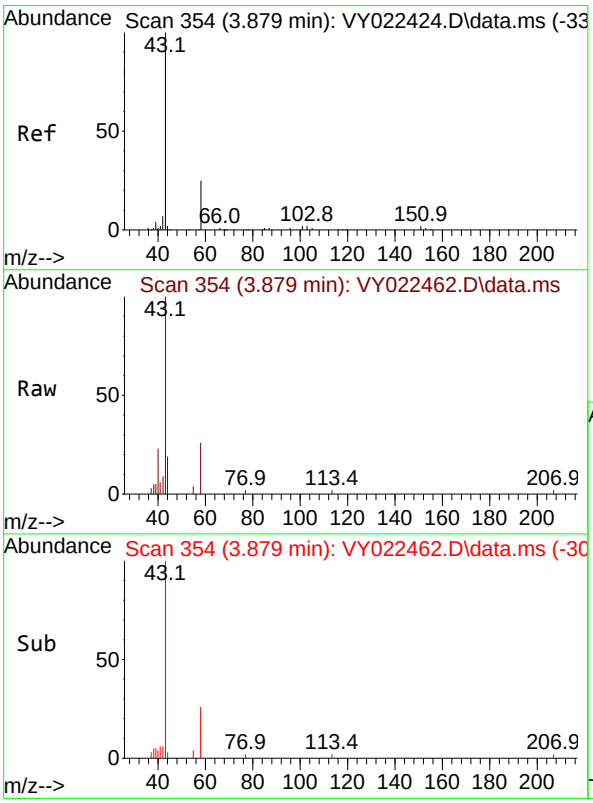
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022462.D
Acq: 29 May 2025 13:12

Instrument :
MSVOA_Y
ClientSampleId :
TP-39

Tgt Ion:168 Resp: 305036

Ion	Ratio	Lower	Upper
168	100		
99	58.6	44.7	67.1

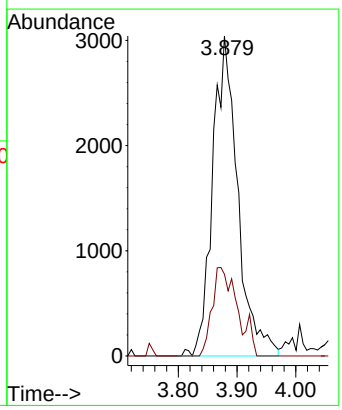


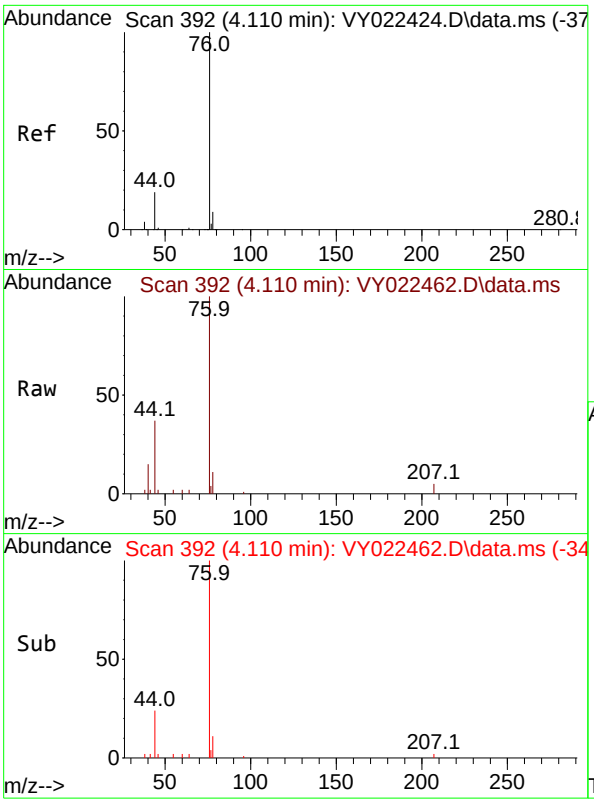


#16
Acetone
Concen: 17.046 ug/l
RT: 3.879 min Scan# 354
Delta R.T. 0.000 min
Lab File: VY022462.D
Acq: 29 May 2025 13:12

Tgt Ion: 43 Resp: 9000

Ion	Ratio	Lower	Upper
43	100		
58	25.6	20.6	30.8



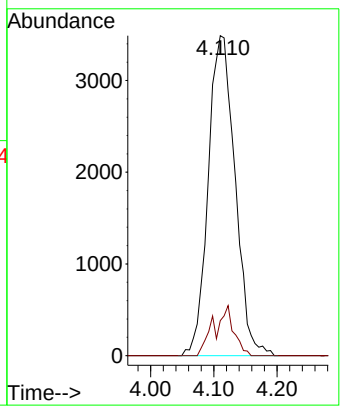


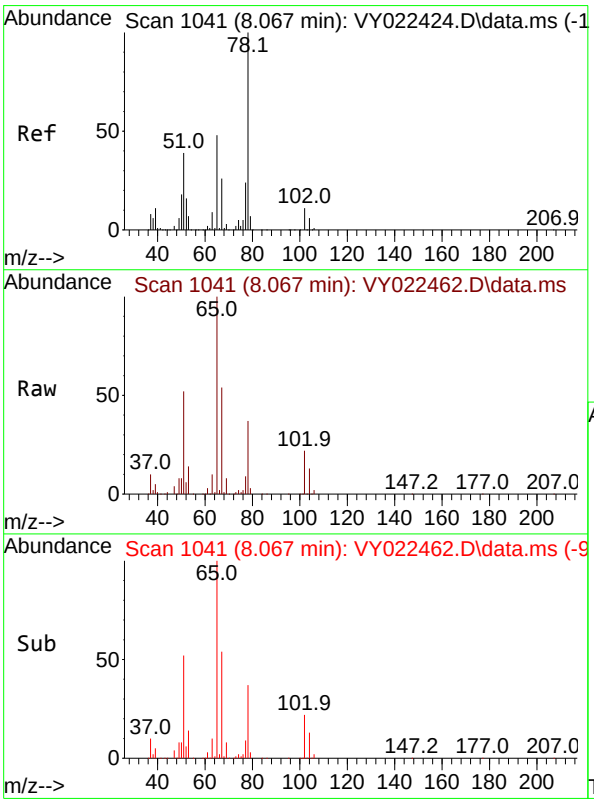
#17
Carbon Disulfide
Concen: 1.008 ug/l
RT: 4.110 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY022462.D
Acq: 29 May 2025 13:12

Instrument :
MSVOA_Y
ClientSampleId :
TP-39

Tgt Ion: 76 Resp: 10283

Ion	Ratio	Lower	Upper
76	100		
78	10.9	7.2	10.8#

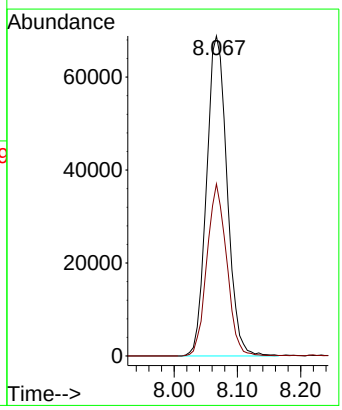


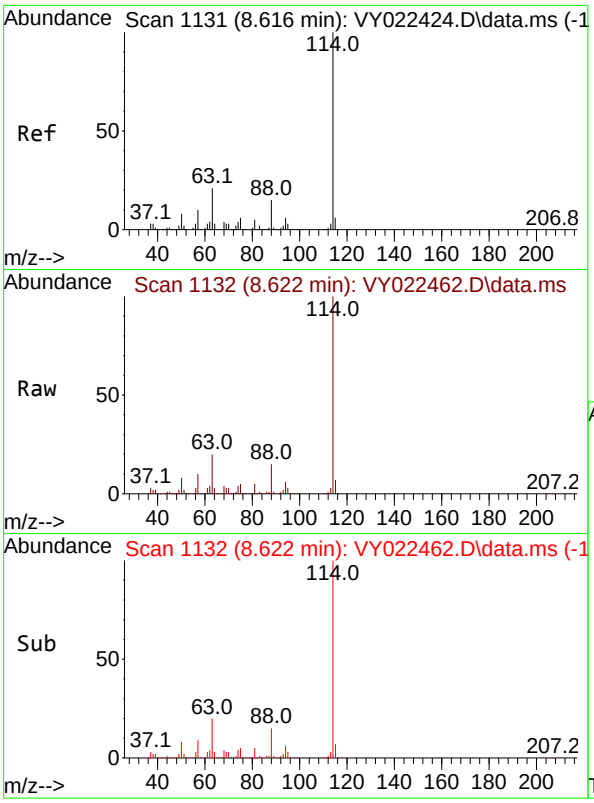


#33
1,2-Dichloroethane-d4
Concen: 48.276 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.000 min
Lab File: VY022462.D
Acq: 29 May 2025 13:12

Tgt Ion: 65 Resp: 155110

Ion	Ratio	Lower	Upper
65	100		
67	52.0	0.0	104.4



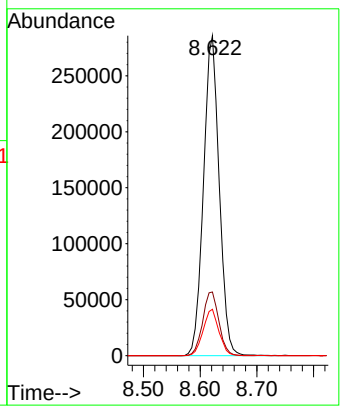


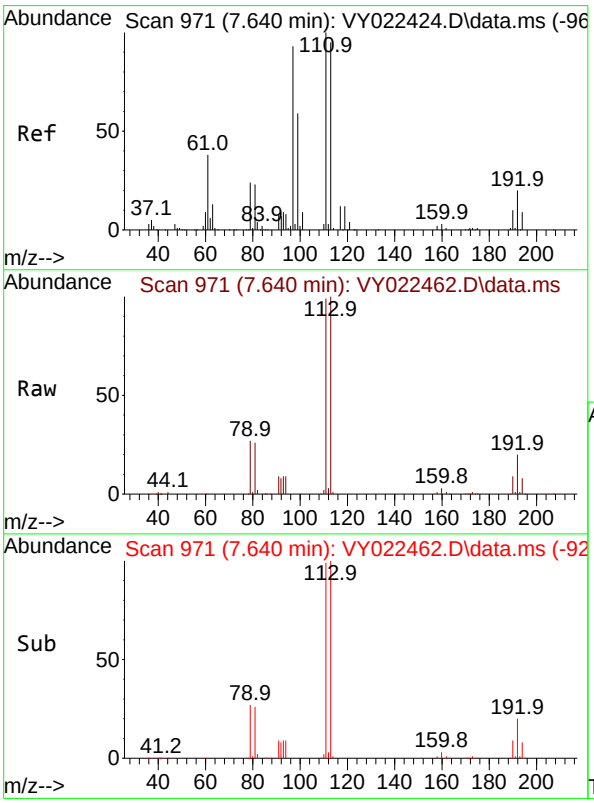
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY022462.D
Acq: 29 May 2025 13:12

Instrument :
MSVOA_Y
ClientSampleId :
TP-39

Tgt Ion:114 Resp: 550366

Ion	Ratio	Lower	Upper
114	100		
63	19.9	0.0	42.6
88	14.5	0.0	29.4

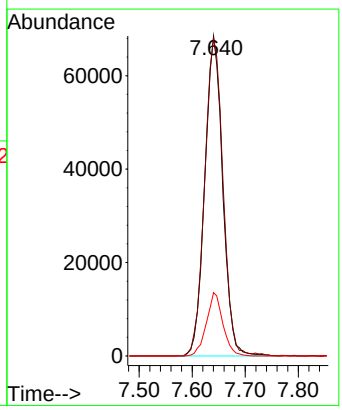


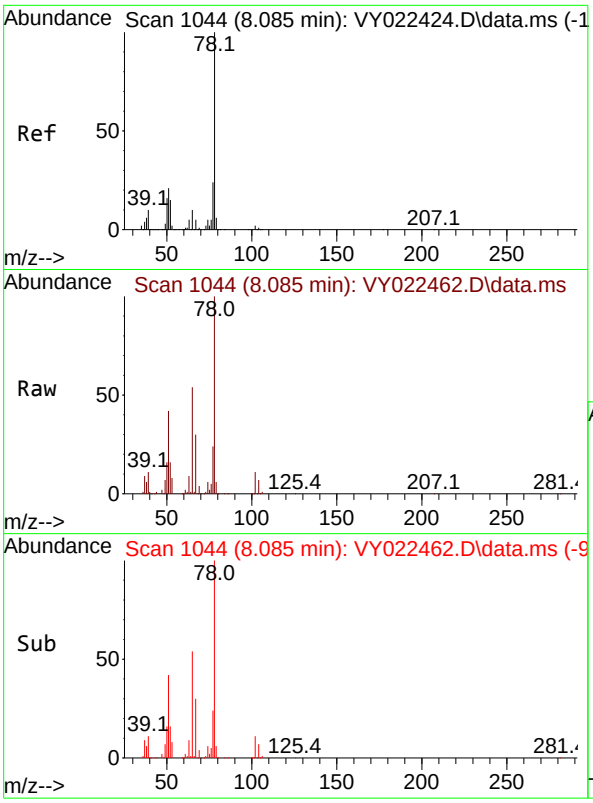


#35
Dibromofluoromethane
Concen: 49.933 ug/l
RT: 7.640 min Scan# 971
Delta R.T. 0.000 min
Lab File: VY022462.D
Acq: 29 May 2025 13:12

Tgt Ion:113 Resp: 160938

Ion	Ratio	Lower	Upper
113	100		
111	102.3	82.4	123.6
192	18.2	15.2	22.8



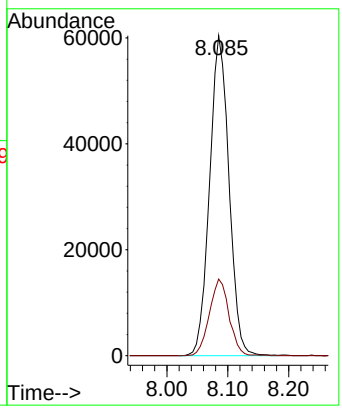


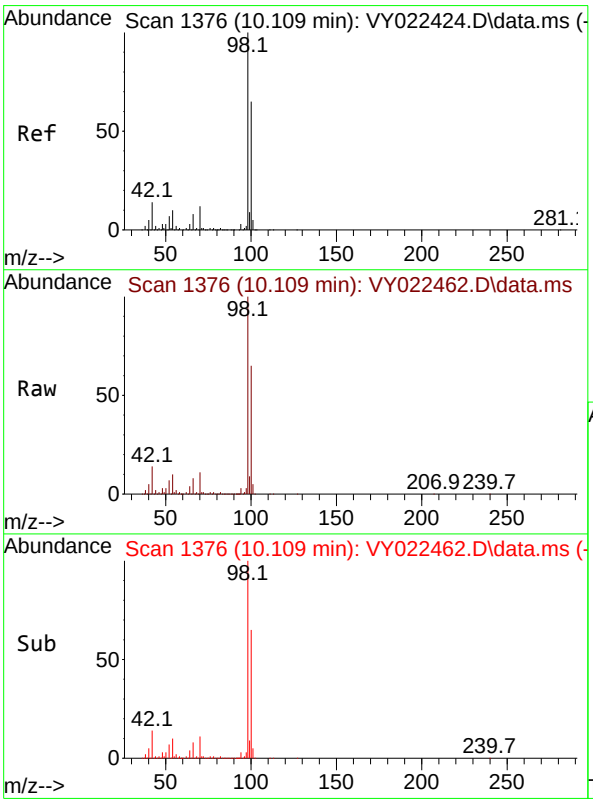
#40
Benzene
Concen: 8.774 ug/l
RT: 8.085 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022462.D
Acq: 29 May 2025 13:12

Instrument :
MSVOA_Y
ClientSampleId :
TP-39

Tgt Ion: 78 Resp: 133528

Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.4	29.2

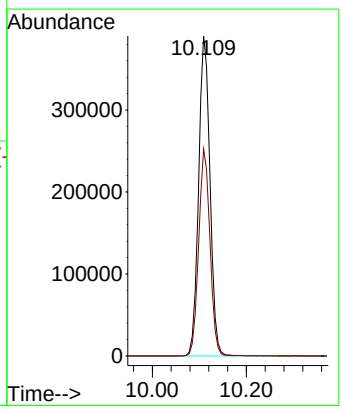


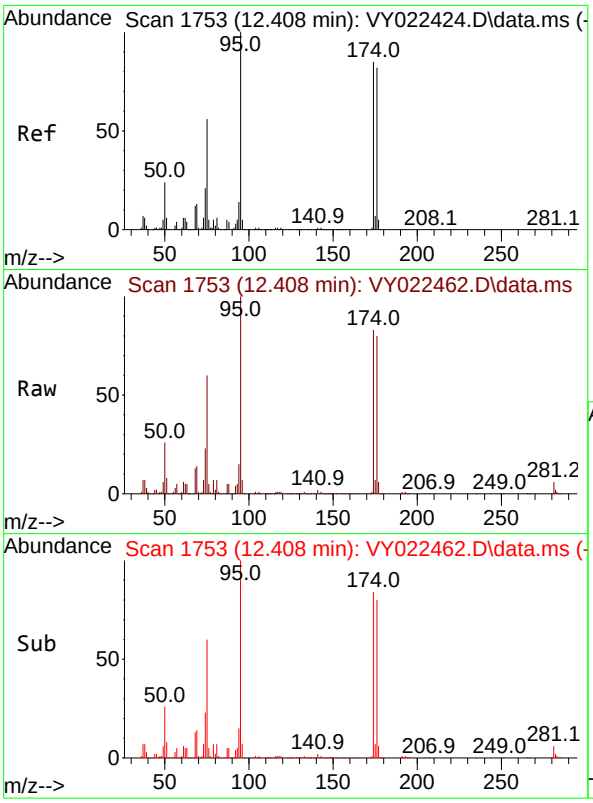


#50
Toluene-d8
Concen: 49.793 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY022462.D
Acq: 29 May 2025 13:12

Tgt Ion: 98 Resp: 654242

Ion	Ratio	Lower	Upper
98	100		
100	64.4	52.2	78.2



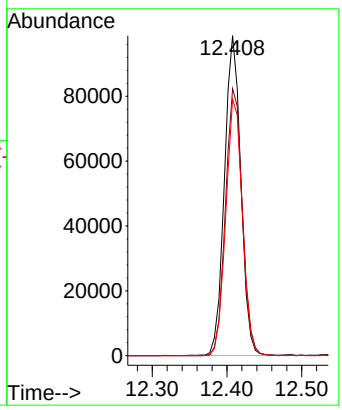


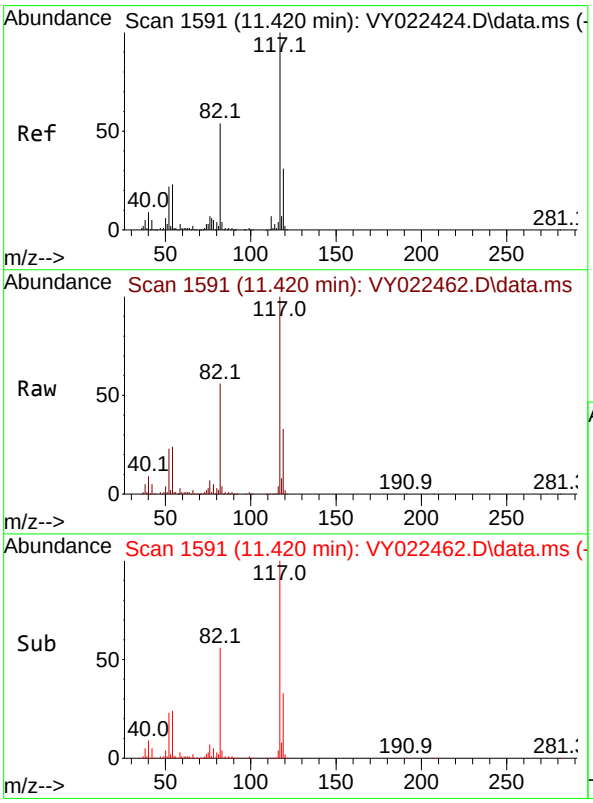
#62
4-Bromofluorobenzene
Concen: 37.768 ug/l
RT: 12.408 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022462.D
Acq: 29 May 2025 13:12

Instrument :
MSVOA_Y
ClientSampleId :
TP-39

Tgt Ion: 95 Resp: 150107

Ion	Ratio	Lower	Upper
95	100		
174	86.3	0.0	171.6
176	81.6	0.0	164.6

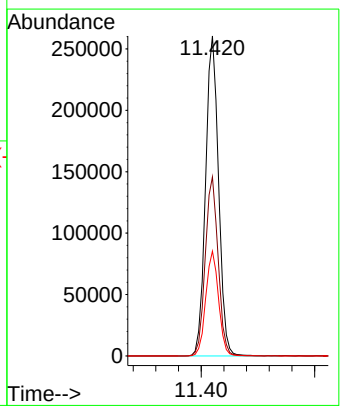


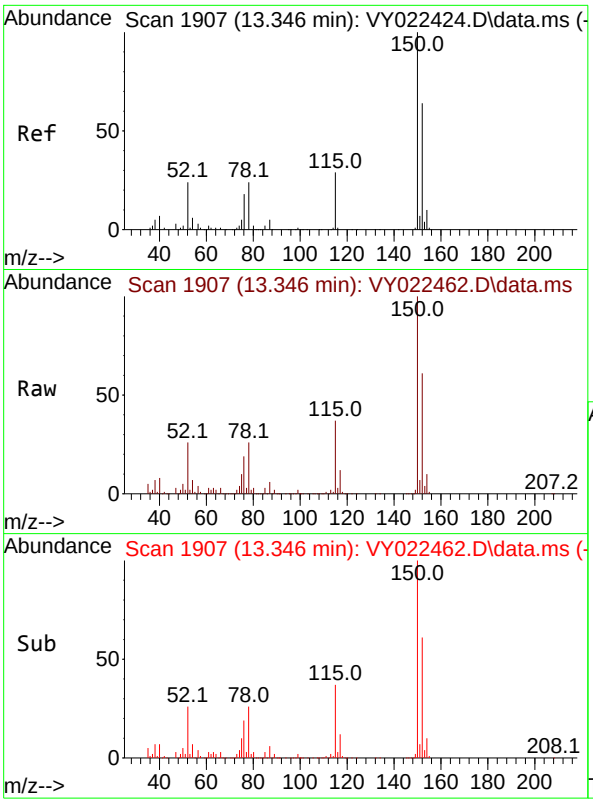


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.000 min
Lab File: VY022462.D
Acq: 29 May 2025 13:12

Tgt Ion:117 Resp: 413432

Ion	Ratio	Lower	Upper
117	100		
82	56.0	43.3	64.9
119	32.7	24.5	36.7



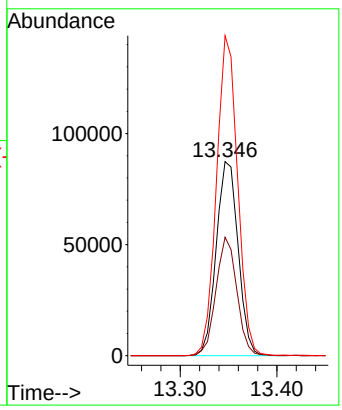


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022462.D
Acq: 29 May 2025 13:12

Instrument :
MSVOA_Y
ClientSampleId :
TP-39

Tgt Ion:152 Resp: 137454

Ion	Ratio	Lower	Upper
152	100		
115	58.2	28.4	85.3
150	159.2	0.0	345.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052925\
Data File : VY022462.D
Acq On : 29 May 2025 13:12
Operator : SY/MD
Sample : Q2150-03
Misc : 7.24g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-39

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\82Y052725S.M
Title : SW846 8260

Signal : TIC: VY022462.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.184	70	76	81	rBV6	8227	21264	1.19%	0.243%
2	2.495	119	127	128	rBV5	12073	26789	1.51%	0.306%
3	4.622	466	476	485	rBV3	10101	33458	1.88%	0.382%
4	7.640	958	971	977	rBV	235577	557513	31.32%	6.362%
5	7.713	977	983	1000	rVB	411897	931384	52.33%	10.629%
6	8.073	1031	1042	1056	rBV2	279779	760473	42.73%	8.678%
7	8.622	1123	1132	1143	rBV	668174	1312536	73.75%	14.978%
8	10.109	1368	1376	1384	rBV	1059474	1779795	100.00%	20.311%
9	11.420	1583	1591	1601	rBV	854151	1359519	76.39%	15.515%
10	12.408	1746	1753	1763	rBV2	573784	916463	51.49%	10.459%
11	13.346	1901	1907	1917	rBV	606896	915643	51.45%	10.449%
12	13.889	1989	1996	2003	rVB	91530	147969	8.31%	1.689%

Sum of corrected areas: 8762806

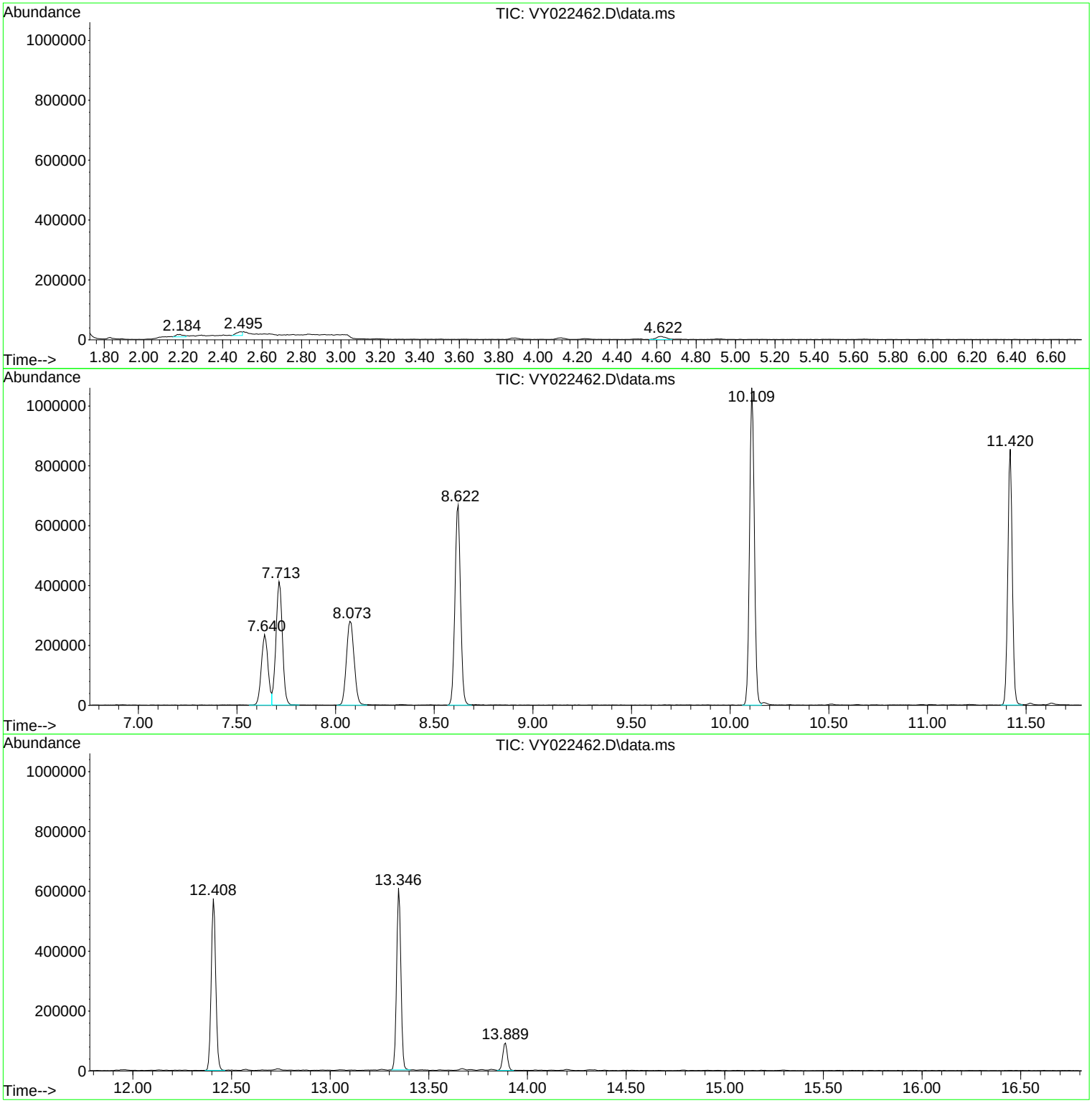
Sample Results: **VY022462.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052925\
Data File : VY022462.D
Acq On : 29 May 2025 13:12
Operator : SY/MD
Sample : Q2150-03
Misc : 7.24g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-39

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052925\
Data File : VY022462.D
Acq On : 29 May 2025 13:12
Operator : SY/MD
Sample : Q2150-03
Misc : 7.24g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-39

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.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\VY052925\
Data File : VY022462.D
Acq On : 29 May 2025 13:12
Operator : SY/MD
Sample : Q2150-03
Misc : 7.24g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-39

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.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\VY052925\
Data File : VY022463.D
Acq On : 29 May 2025 13:36
Operator : SY/MD
Sample : Q2150-04
Misc : 6.52g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-48

Quant Time: May 30 05:34:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260
QLast Update : Wed May 28 10:34:06 2025
Response via : Initial Calibration

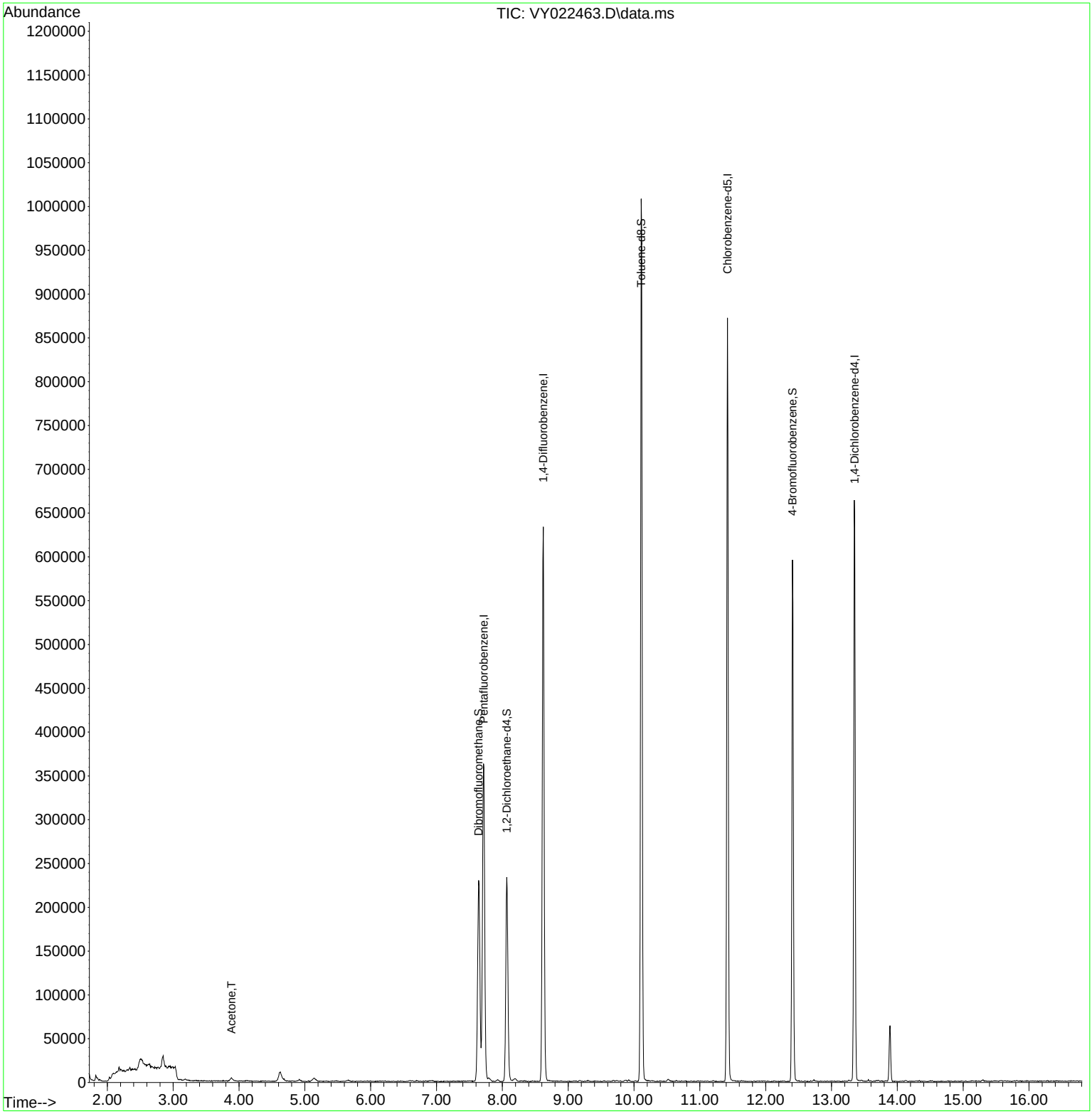
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.719	168	278545	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	518246	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	419041	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	155769	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	173294	59.065	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 118.140%			
35) Dibromofluoromethane	7.640	113	160020	52.725	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.440%			
50) Toluene-d8	10.109	98	625091	50.523	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 101.040%			
62) 4-Bromofluorobenzene	12.407	95	160933	43.002	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 86.000%			
Target Compounds						Qvalue
16) Acetone	3.885	43	6661	13.816	ug/l #	87

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

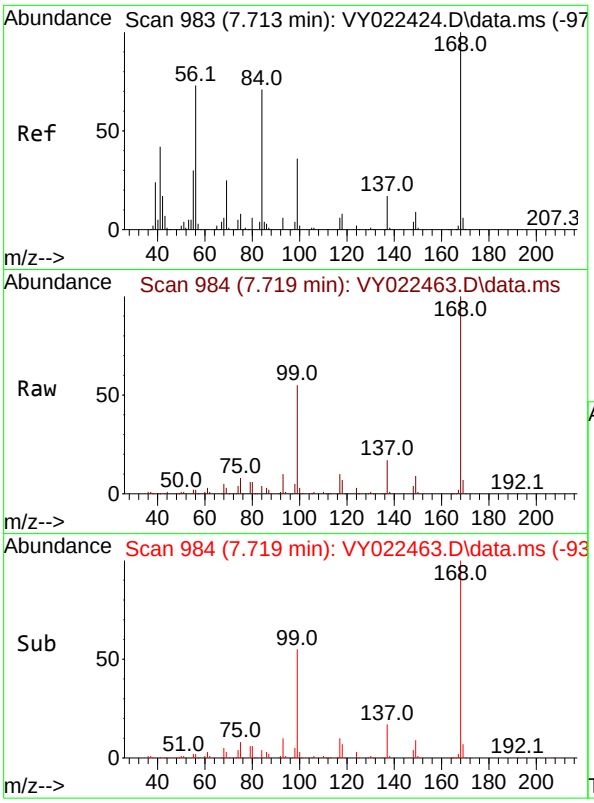
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052925\
Data File : VY022463.D
Acq On : 29 May 2025 13:36
Operator : SY/MD
Sample : Q2150-04
Misc : 6.52g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-48

Quant Time: May 30 05:34:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260
QLast Update : Wed May 28 10:34:06 2025
Response via : Initial Calibration



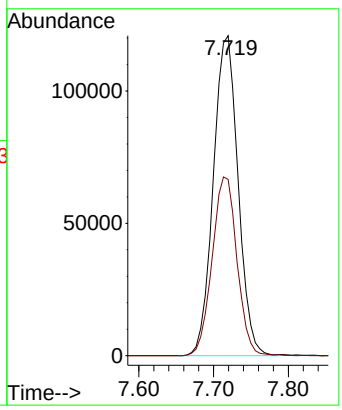
Instrument :
MSVOA_Y
ClientSampleId :
TP-48

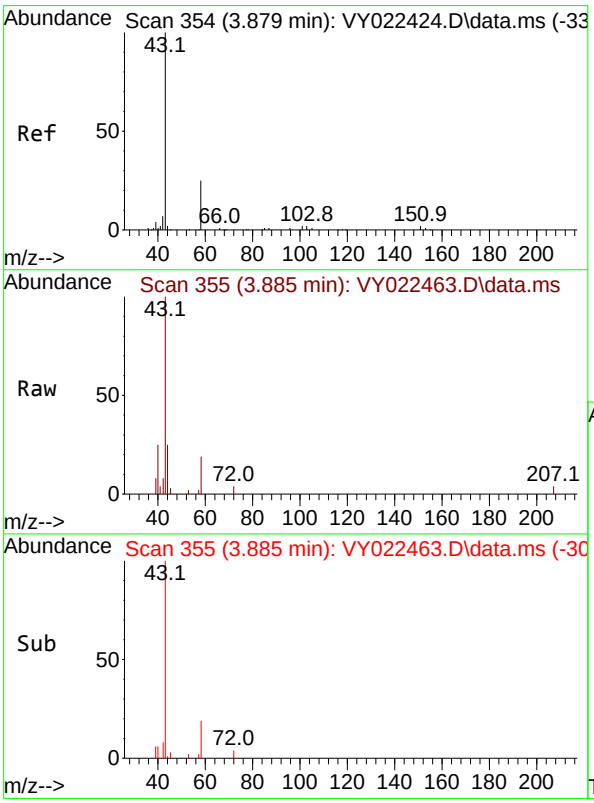


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY022463.D
Acq: 29 May 2025 13:36

Tgt Ion:168 Resp: 278545

Ion	Ratio	Lower	Upper
168	100		
99	55.1	44.7	67.1

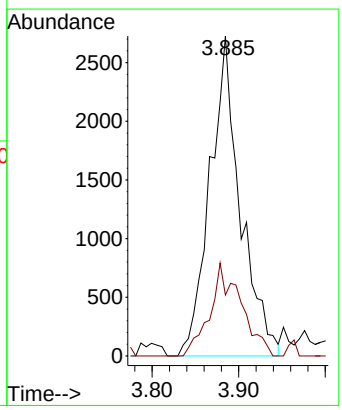


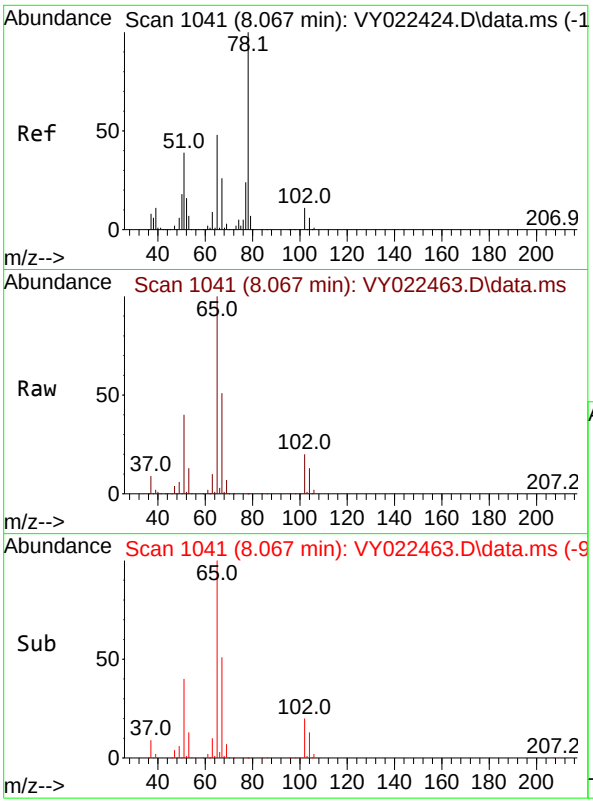


#16
Acetone
Concen: 13.816 ug/l
RT: 3.885 min Scan# 355
Delta R.T. 0.006 min
Lab File: VY022463.D
Acq: 29 May 2025 13:36

Tgt Ion: 43 Resp: 6661

Ion	Ratio	Lower	Upper
43	100		
58	19.1	20.6	30.8#



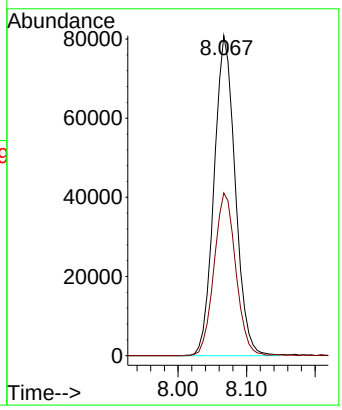


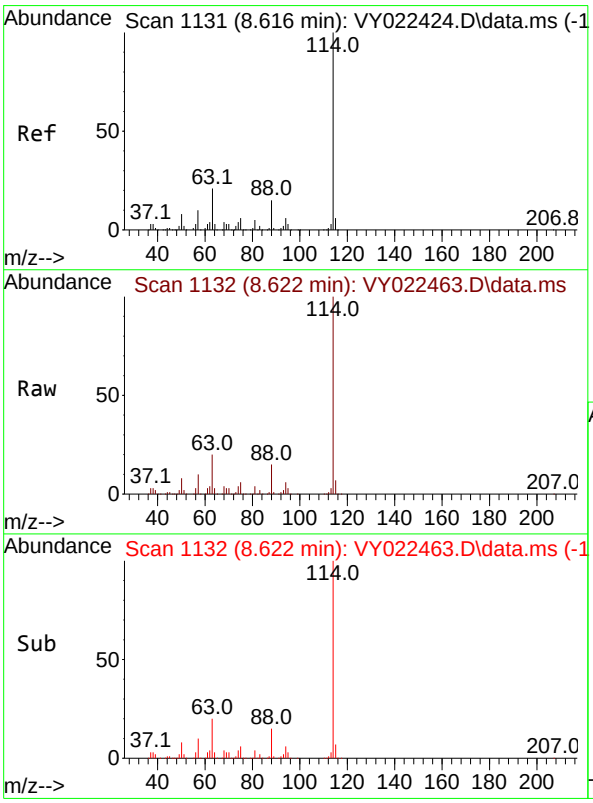
#33
1,2-Dichloroethane-d4
Concen: 59.065 ug/l
RT: 8.067 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022463.D
Acq: 29 May 2025 13:36

Instrument :
MSVOA_Y
ClientSampleId :
TP-48

Tgt Ion: 65 Resp: 173294

Ion	Ratio	Lower	Upper
65	100		
67	52.2	0.0	104.4

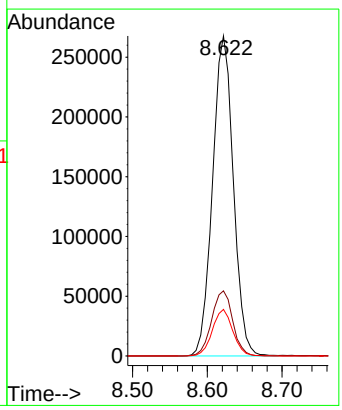




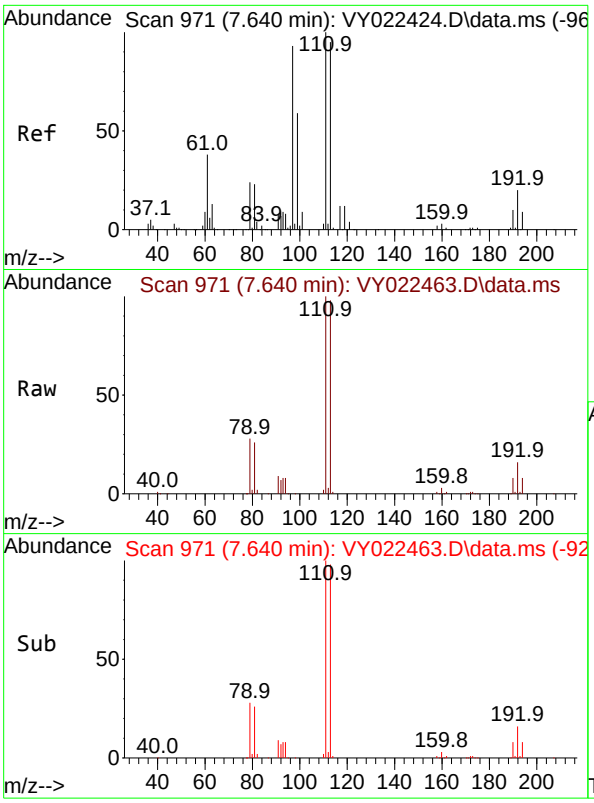
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1132
Delta R.T. 0.006 min
Lab File: VY022463.D
Acq: 29 May 2025 13:36

Tgt Ion:114 Resp: 518246

Ion	Ratio	Lower	Upper
114	100		
63	20.4	0.0	42.6
88	14.6	0.0	29.4



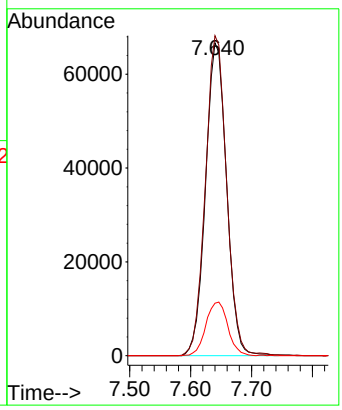
Instrument :
MSVOA_Y
ClientSampleId :
TP-48

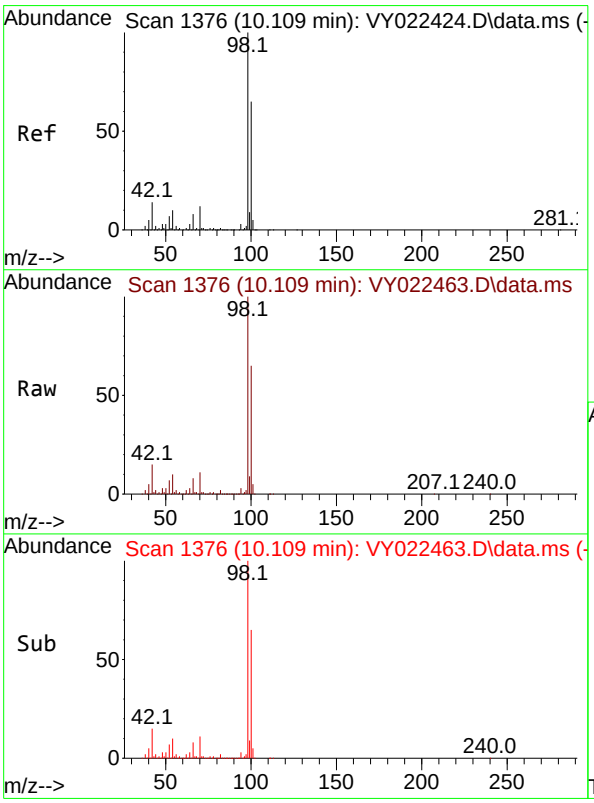


#35
Dibromofluoromethane
Concen: 52.725 ug/l
RT: 7.640 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022463.D
Acq: 29 May 2025 13:36

Tgt Ion:113 Resp: 160020

Ion	Ratio	Lower	Upper
113	100		
111	103.1	82.4	123.6
192	17.9	15.2	22.8

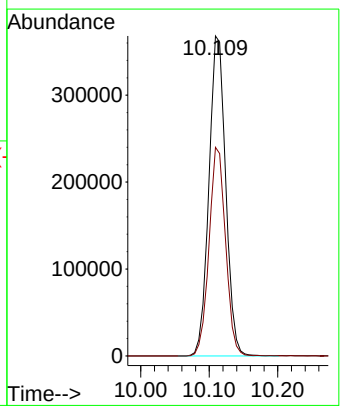


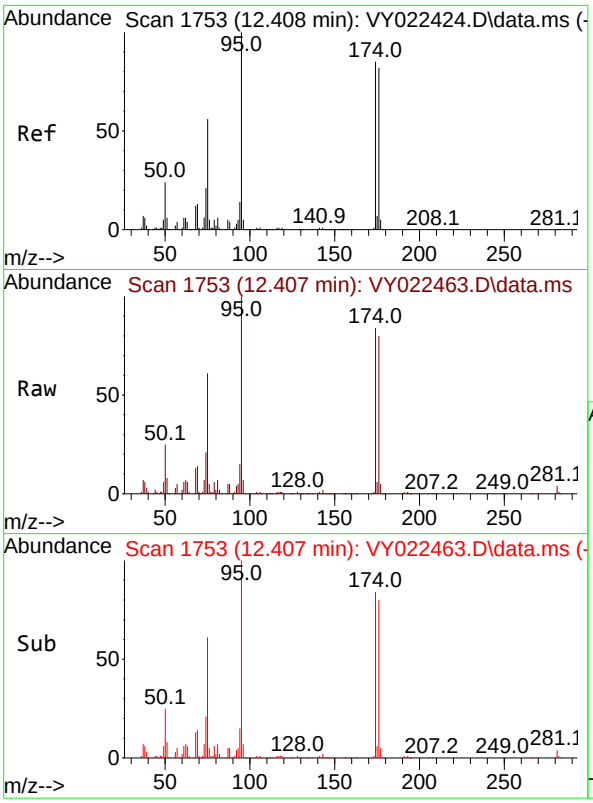


#50
Toluene-d8
Concen: 50.523 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY022463.D
Acq: 29 May 2025 13:36

Tgt Ion: 98 Resp: 625091

Ion	Ratio	Lower	Upper
98	100		
100	64.3	52.2	78.2



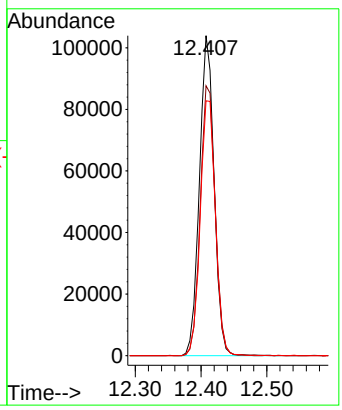


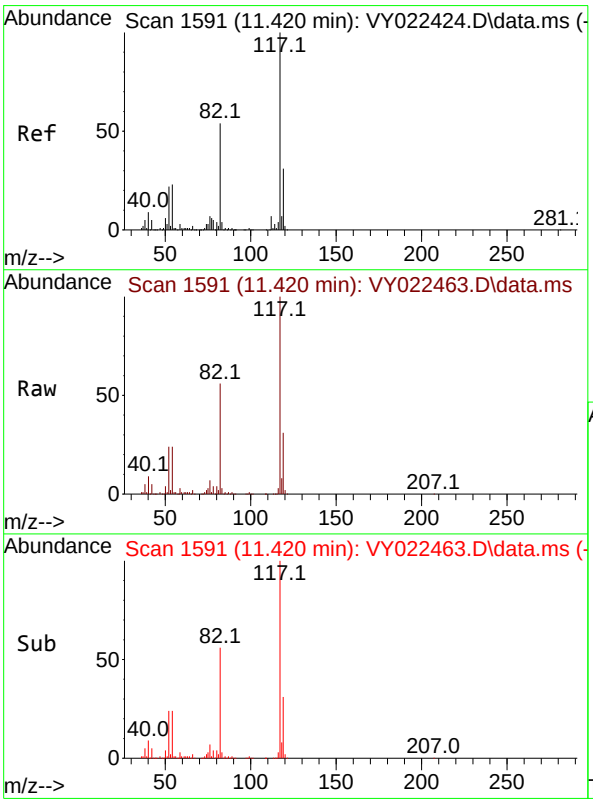
#62
4-Bromofluorobenzene
Concen: 43.002 ug/l
RT: 12.407 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022463.D
Acq: 29 May 2025 13:36

Instrument :
MSVOA_Y
ClientSampleId :
TP-48

Tgt Ion: 95 Resp: 160933

Ion	Ratio	Lower	Upper
95	100		
174	86.1	0.0	171.6
176	82.6	0.0	164.6

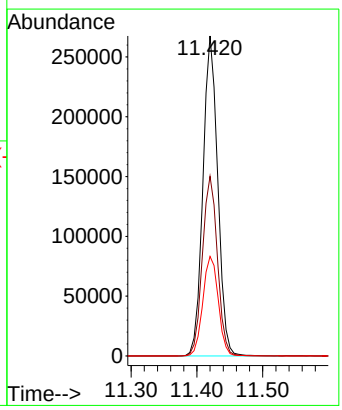


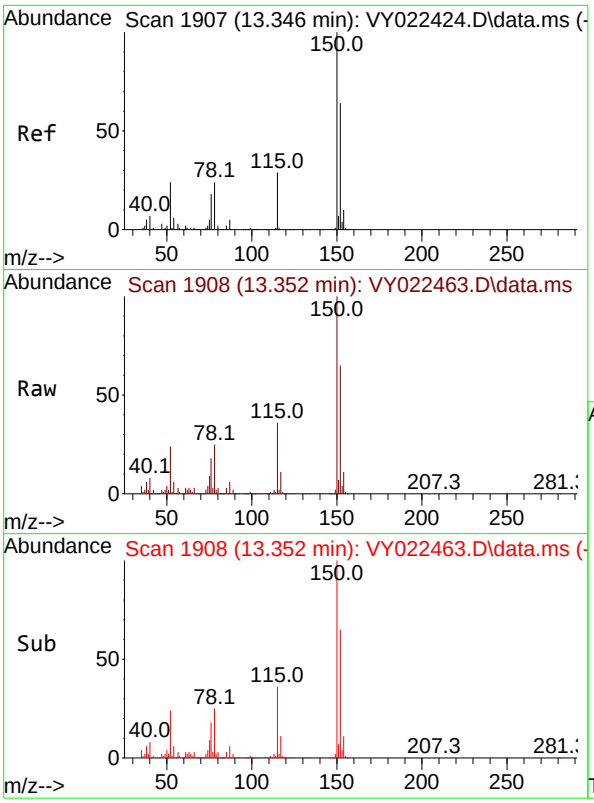


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. -0.000 min
Lab File: VY022463.D
Acq: 29 May 2025 13:36

Tgt Ion:117 Resp: 419041

Ion	Ratio	Lower	Upper
117	100		
82	56.1	43.3	64.9
119	31.1	24.5	36.7



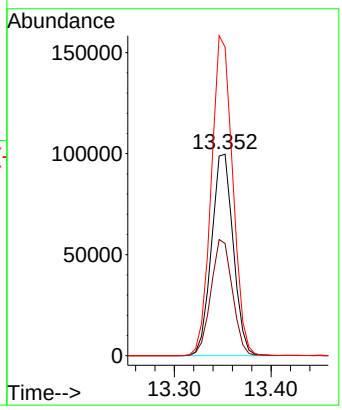


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.352 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022463.D
Acq: 29 May 2025 13:36

Instrument :
MSVOA_Y
ClientSampleId :
TP-48

Tgt Ion:152 Resp: 155769

Ion	Ratio	Lower	Upper
152	100		
115	57.2	28.4	85.3
150	156.7	0.0	345.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052925\
Data File : VY022463.D
Acq On : 29 May 2025 13:36
Operator : SY/MD
Sample : Q2150-04
Misc : 6.52g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-48

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\82Y052725S.M
Title : SW846 8260

Signal : TIC: VY022463.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.507	119	129	138	rBV3	12972	59478	3.49%	0.703%
2	2.848	180	185	190	rVB4	12665	23719	1.39%	0.280%
3	4.628	466	477	485	rBV2	10479	35599	2.09%	0.421%
4	7.640	961	971	977	rBV	229252	555385	32.59%	6.565%
5	7.713	977	983	993	rVV	362529	854147	50.12%	10.097%
6	8.067	1030	1041	1055	rBV	233263	516251	30.30%	6.102%
7	8.622	1123	1132	1143	rBV	632808	1229871	72.17%	14.538%
8	10.109	1368	1376	1388	rBV	1007566	1704065	100.00%	20.143%
9	11.420	1583	1591	1601	rBV	871458	1391568	81.66%	16.449%
10	12.407	1746	1753	1765	rBV	595289	959199	56.29%	11.338%
11	13.346	1898	1907	1917	rBV	663097	1026983	60.27%	12.140%
12	13.889	1990	1996	2002	rVB	63819	103439	6.07%	1.223%

Sum of corrected areas: 8459704

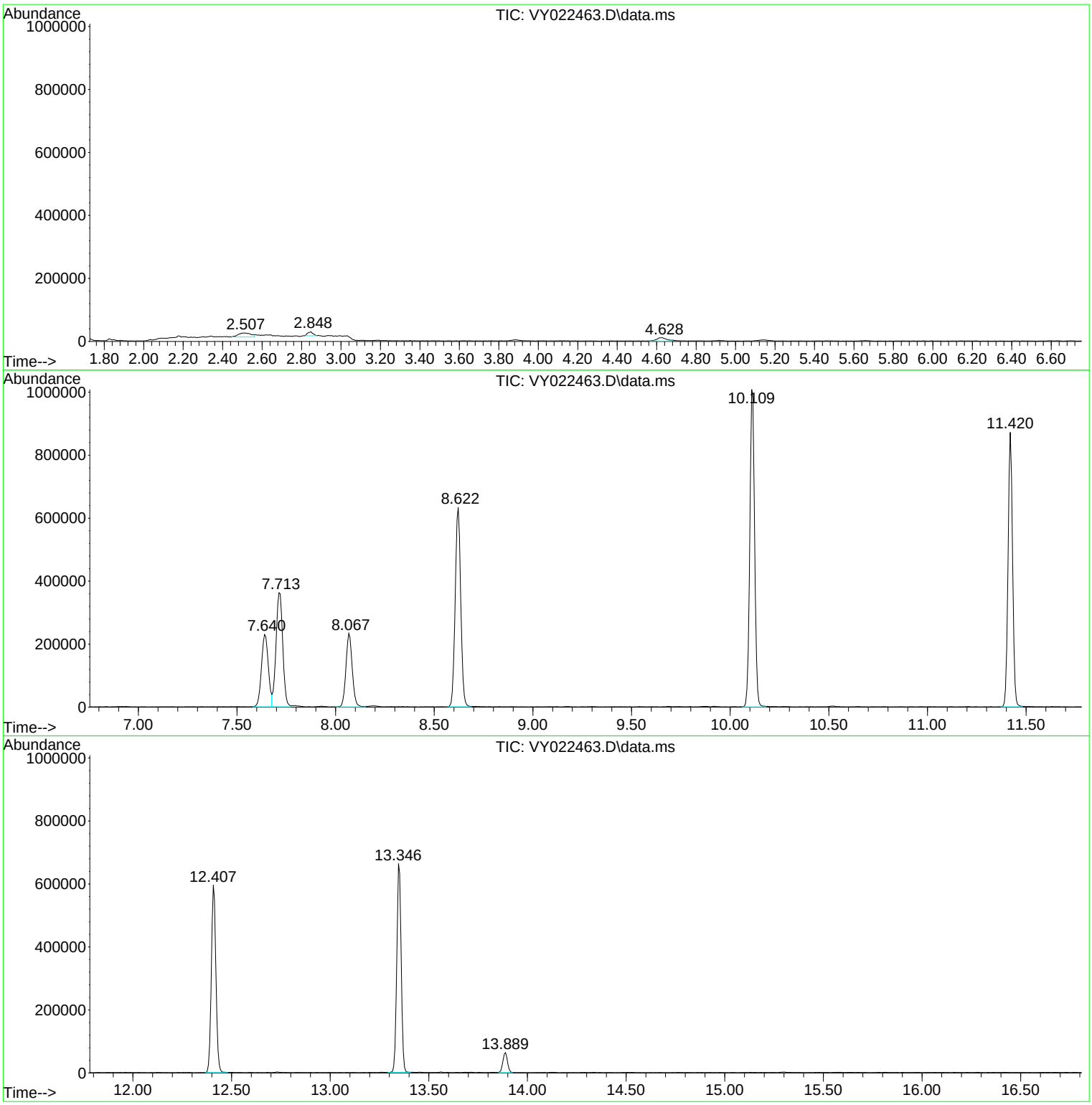
Sample Results: **VY022463.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052925\
Data File : VY022463.D
Acq On : 29 May 2025 13:36
Operator : SY/MD
Sample : Q2150-04
Misc : 6.52g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-48

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052925\
Data File : VY022463.D
Acq On : 29 May 2025 13:36
Operator : SY/MD
Sample : Q2150-04
Misc : 6.52g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-48

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.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\VY052925\
Data File : VY022463.D
Acq On : 29 May 2025 13:36
Operator : SY/MD
Sample : Q2150-04
Misc : 6.52g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-48

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.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\VY052925\
Data File : VY022464.D
Acq On : 29 May 2025 13:59
Operator : SY/MD
Sample : Q2150-05
Misc : 7.15g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-47

Quant Time: May 30 05:34:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260
QLast Update : Wed May 28 10:34:06 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.719	168	18571	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.621	114	25910	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	13686	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	2224	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	6243	31.916	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 63.840%			
35) Dibromofluoromethane	7.640	113	4936	32.530	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 65.060%			
50) Toluene-d8	10.109	98	26868	43.436	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 86.880%			
62) 4-Bromofluorobenzene	12.407	95	3842	20.534	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 41.060%			

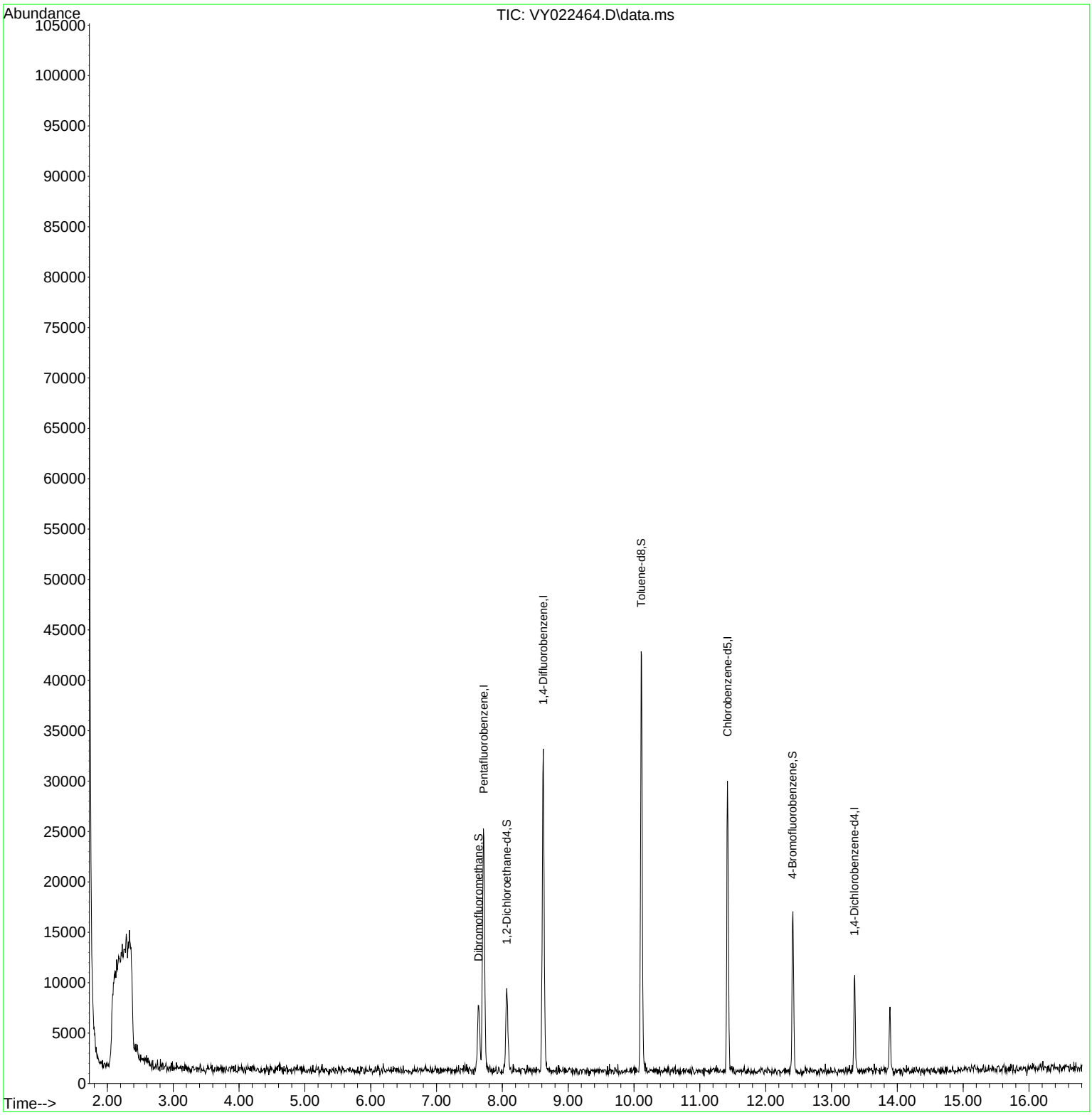
Target Compounds	Qvalue

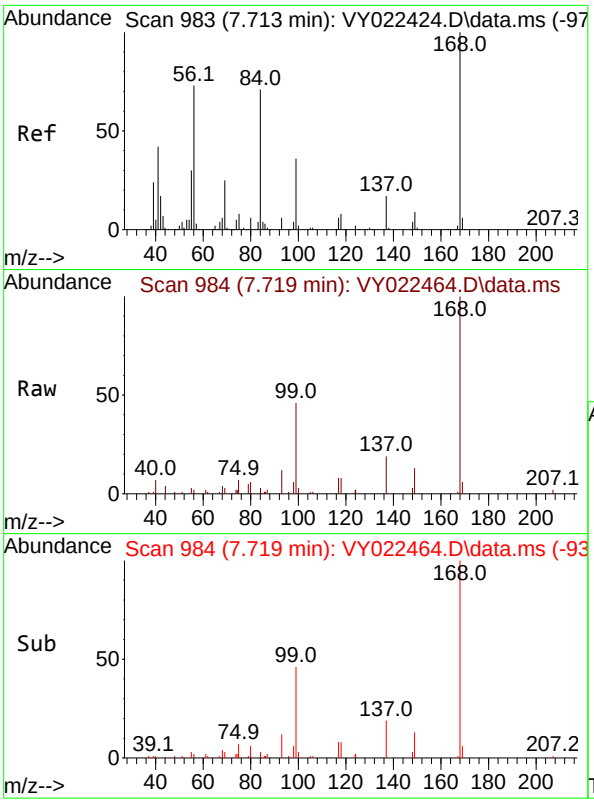
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052925\
Data File : VY022464.D
Acq On : 29 May 2025 13:59
Operator : SY/MD
Sample : Q2150-05
Misc : 7.15g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-47

Quant Time: May 30 05:34:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260
QLast Update : Wed May 28 10:34:06 2025
Response via : Initial Calibration



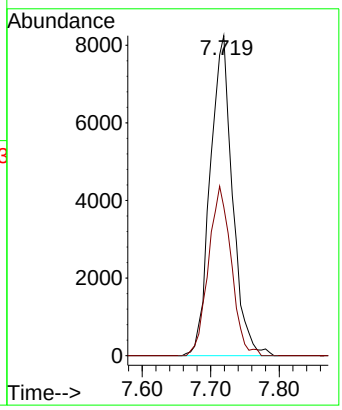


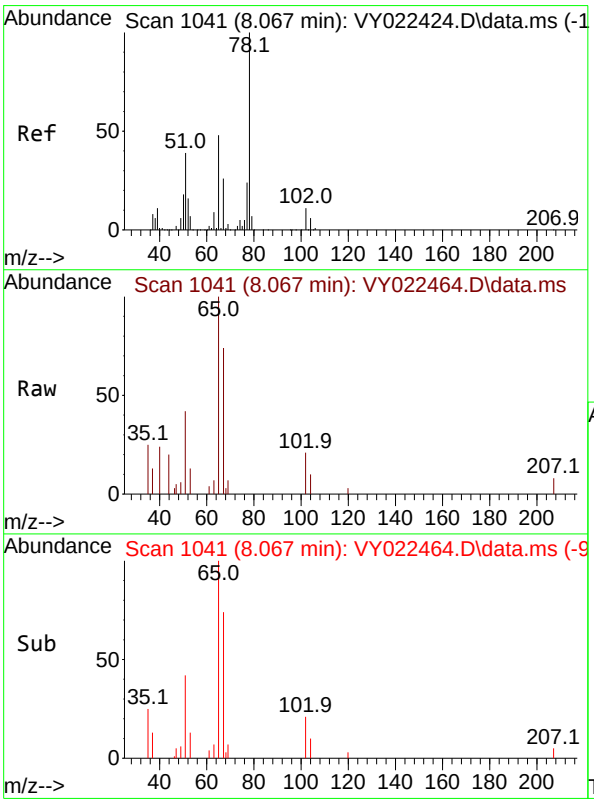
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY022464.D
Acq: 29 May 2025 13:59

Instrument :
MSVOA_Y
ClientSampleId :
TP-47

Tgt Ion:168 Resp: 18571

Ion	Ratio	Lower	Upper
168	100		
99	46.5	44.7	67.1

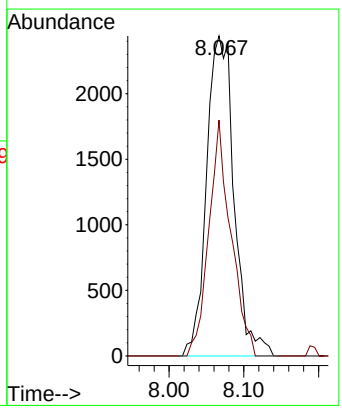


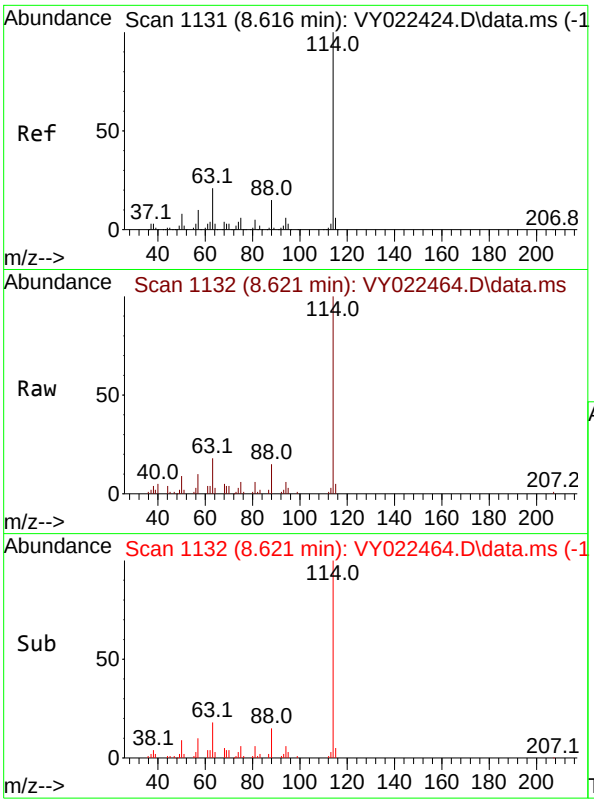


#33
1,2-Dichloroethane-d4
Concen: 31.916 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. -0.000 min
Lab File: VY022464.D
Acq: 29 May 2025 13:59

Tgt Ion: 65 Resp: 6243

Ion	Ratio	Lower	Upper
65	100		
67	59.2	0.0	104.4



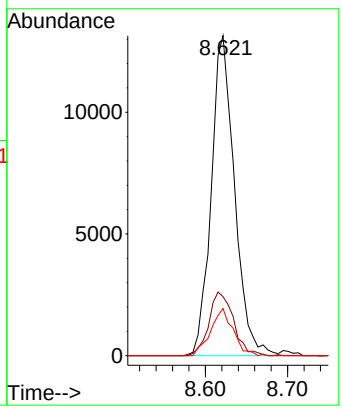


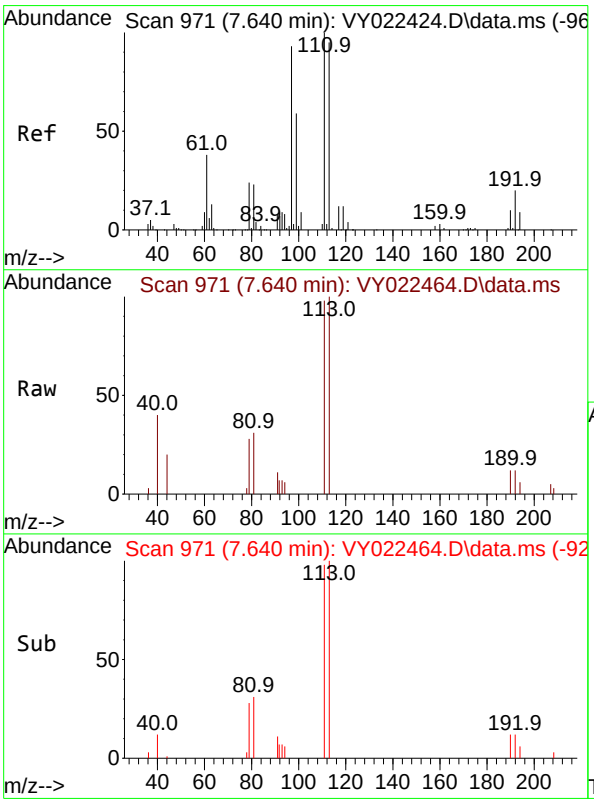
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.621 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY022464.D
Acq: 29 May 2025 13:59

Instrument :
MSVOA_Y
ClientSampleId :
TP-47

Tgt Ion:114 Resp: 25910

Ion	Ratio	Lower	Upper
114	100		
63	18.5	0.0	42.6
88	14.7	0.0	29.4

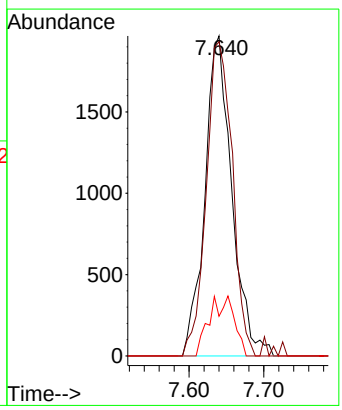


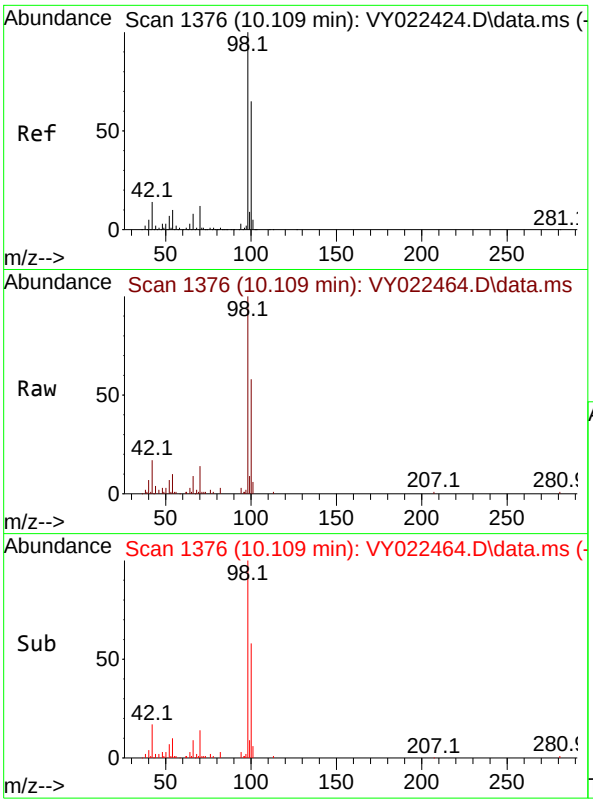


#35
Dibromofluoromethane
Concen: 32.530 ug/l
RT: 7.640 min Scan# 971
Delta R.T. -0.000 min
Lab File: VY022464.D
Acq: 29 May 2025 13:59

Tgt Ion:113 Resp: 4936

Ion	Ratio	Lower	Upper
113	100		
111	95.0	82.4	123.6
192	17.2	15.2	22.8



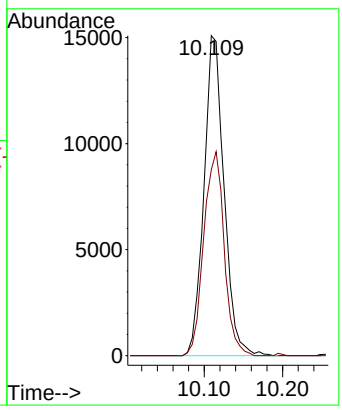


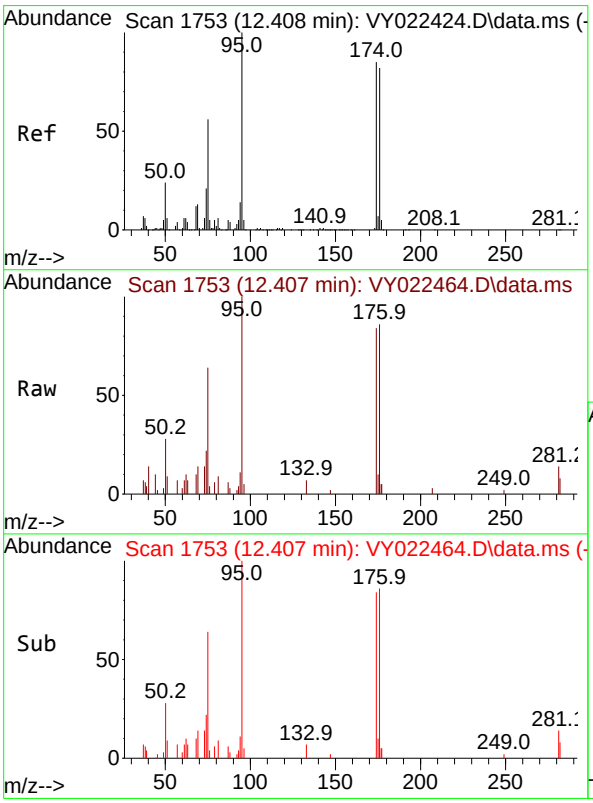
#50
Toluene-d8
Concen: 43.436 ug/l
RT: 10.109 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022464.D
Acq: 29 May 2025 13:59

Instrument :
MSVOA_Y
ClientSampleId :
TP-47

Tgt Ion: 98 Resp: 26868

Ion	Ratio	Lower	Upper
98	100		
100	64.8	52.2	78.2

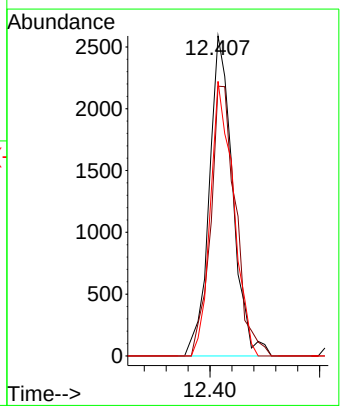


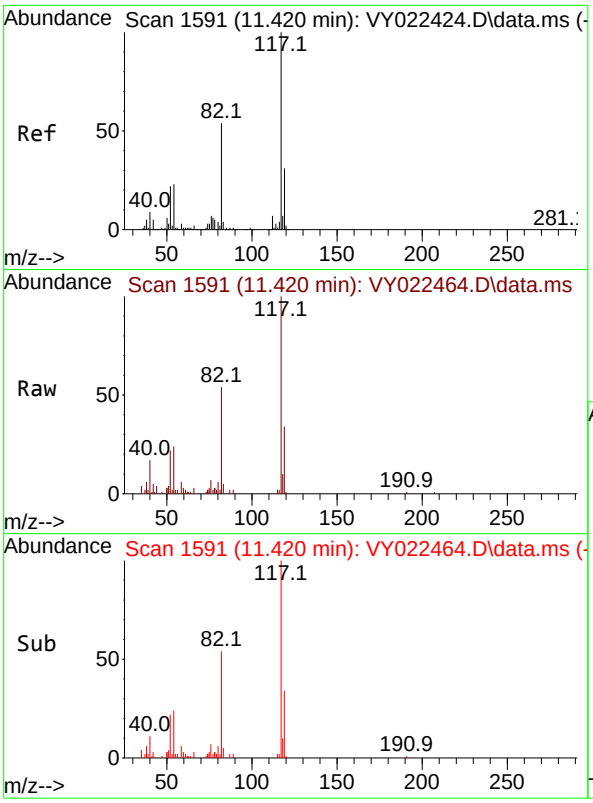


#62
4-Bromofluorobenzene
Concen: 20.534 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022464.D
Acq: 29 May 2025 13:59

Tgt Ion: 95 Resp: 3842

Ion	Ratio	Lower	Upper
95	100		
174	89.8	0.0	171.6
176	84.4	0.0	164.6



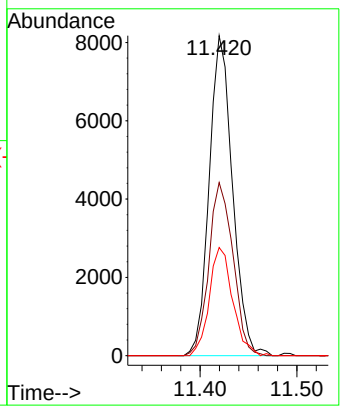


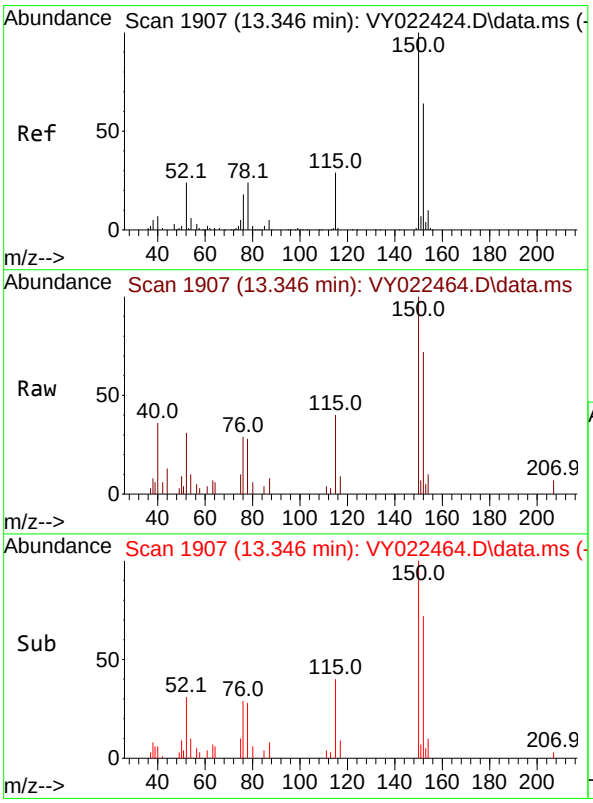
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022464.D
Acq: 29 May 2025 13:59

Instrument :
MSVOA_Y
ClientSampleId :
TP-47

Tgt Ion:117 Resp: 13686

Ion	Ratio	Lower	Upper
117	100		
82	54.1	43.3	64.9
119	33.8	24.5	36.7

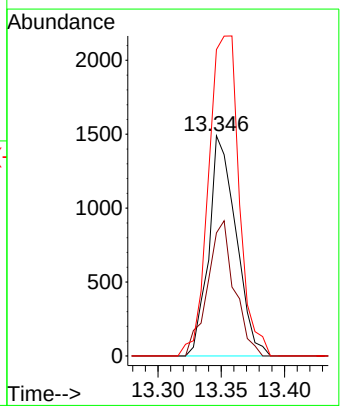




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022464.D
Acq: 29 May 2025 13:59

Tgt Ion:152 Resp: 2224

Ion	Ratio	Lower	Upper
152	100		
115	60.9	28.4	85.3
150	163.4	0.0	345.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052925\
Data File : VY022464.D
Acq On : 29 May 2025 13:59
Operator : SY/MD
Sample : Q2150-05
Misc : 7.15g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-47

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\82Y052725S.M
Title : SW846 8260

Signal : TIC: VY022464.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.117	50	65	67	rBV4	9475	35237	46.74%	8.714%
2	2.141	67	69	71	rVV2	1912	2268	3.01%	0.561%
3	2.458	119	121	124	rVB3	1357	1109	1.47%	0.274%
4	2.763	167	171	173	rVB3	1031	832	1.10%	0.206%
5	2.891	186	192	194	rVB3	861	1407	1.87%	0.348%
6	3.299	255	259	262	rBV4	612	1108	1.47%	0.274%
7	3.409	274	277	279	rVB3	889	919	1.22%	0.227%
8	4.683	484	486	489	rBV	827	886	1.18%	0.219%
9	4.720	489	492	494	rVB2	854	1007	1.34%	0.249%
10	5.122	554	558	561	rBV2	864	893	1.18%	0.221%
11	5.872	679	681	687	rVB2	638	1046	1.39%	0.259%
12	5.927	687	690	693	rBV3	668	838	1.11%	0.207%
13	6.116	720	721	725	rVB2	847	909	1.21%	0.225%
14	6.165	725	729	731	rBV2	622	872	1.16%	0.216%
15	6.189	731	733	737	rBV2	959	1015	1.35%	0.251%
16	7.500	946	948	954	rVB2	692	1220	1.62%	0.302%
17	7.573	959	960	963	rBV2	701	835	1.11%	0.206%
18	7.634	963	970	977	rVV5	6526	16437	21.80%	4.065%
19	7.713	977	983	991	rVB	23689	53064	70.39%	13.123%
20	7.945	1017	1021	1026	rBV4	639	914	1.21%	0.226%
21	8.067	1035	1041	1049	rVB4	8044	17881	23.72%	4.422%
22	8.304	1076	1080	1084	rBV4	575	1425	1.89%	0.352%
23	8.621	1124	1132	1143	rBV	32042	64149	85.10%	15.864%
24	9.018	1191	1197	1202	rVB6	467	1000	1.33%	0.247%
25	9.237	1228	1233	1236	rVB3	486	1026	1.36%	0.254%
26	9.560	1282	1286	1289	rVB4	459	866	1.15%	0.214%
27	9.707	1307	1310	1316	rBV5	645	1109	1.47%	0.274%
28	9.999	1352	1358	1360	rVB3	714	992	1.32%	0.245%
29	10.109	1370	1376	1385	rBV	41742	75385	100.00%	18.642%
30	10.517	1441	1443	1448	rVB2	848	1088	1.44%	0.269%
31	10.883	1502	1503	1509	rVB3	717	835	1.11%	0.206%
32	11.420	1586	1591	1597	rBV	28850	47189	62.60%	11.670%
33	12.206	1714	1720	1722	rVB5	639	1430	1.90%	0.354%
34	12.413	1746	1754	1766	rBV4	16161	29667	39.35%	7.337%
35	12.907	1832	1835	1838	rVB	1064	924	1.23%	0.229%
36	13.352	1903	1908	1918	rVB2	9671	15706	20.83%	3.884%

Sample Results: **VY022464.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052925\
Data File : VY022464.D
Acq On : 29 May 2025 13:59
Operator : SY/MD
Sample : Q2150-05
Misc : 7.15g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-47

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\82Y052725S.M
Title : SW846 8260

37	13.651	1953	1957	1960	rBV2	1009	1050	1.39%	0.260%
38	13.682	1960	1962	1969	rBV4	531	951	1.26%	0.235%
39	13.889	1990	1996	2002	rVB2	6222	9114	12.09%	2.254%
40	14.090	2027	2029	2035	rBV2	743	1452	1.93%	0.359%
41	14.334	2067	2069	2073	rVB2	725	924	1.23%	0.229%
42	14.480	2090	2093	2096	rVB4	541	846	1.12%	0.209%
43	14.517	2096	2099	2102	rBV4	679	1115	1.48%	0.276%
44	14.840	2149	2152	2157	rVB3	727	913	1.21%	0.226%
45	15.175	2204	2207	2210	rBV2	608	911	1.21%	0.225%
46	15.309	2224	2229	2231	rVB4	734	850	1.13%	0.210%
47	15.724	2296	2297	2302	rVB2	915	942	1.25%	0.233%
48	15.815	2308	2312	2313	rBV4	711	866	1.15%	0.214%
49	15.986	2337	2340	2341	rBV3	990	952	1.26%	0.235%

Sum of corrected areas: 404374

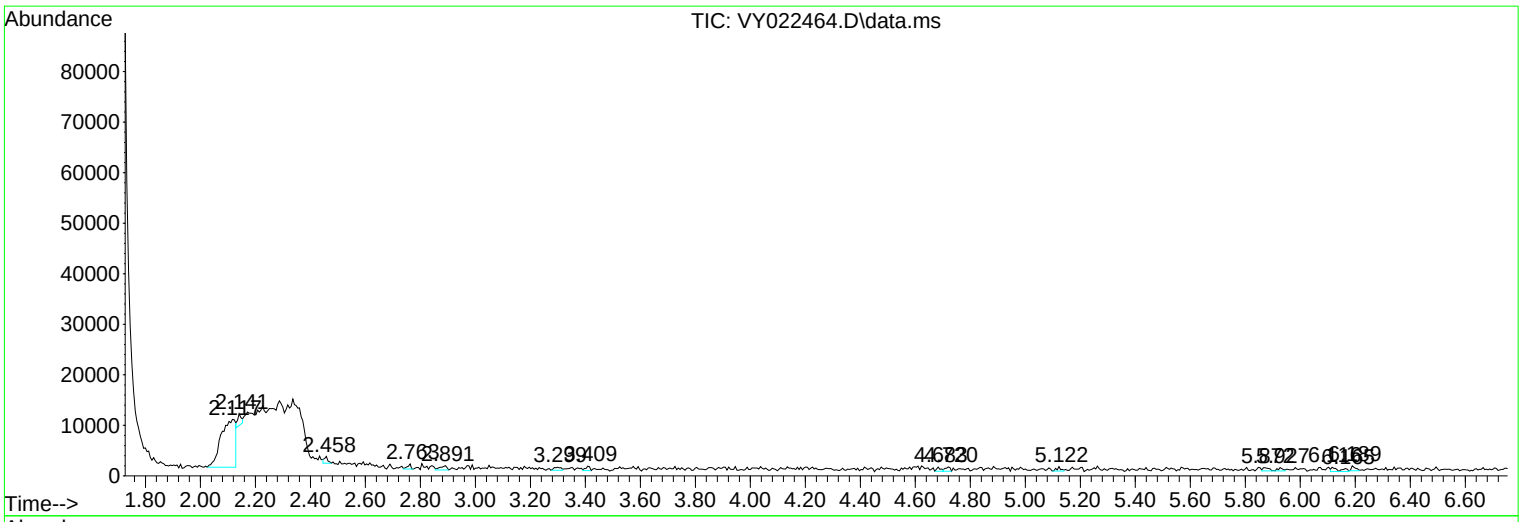
Sample Results: **VY022464.D**

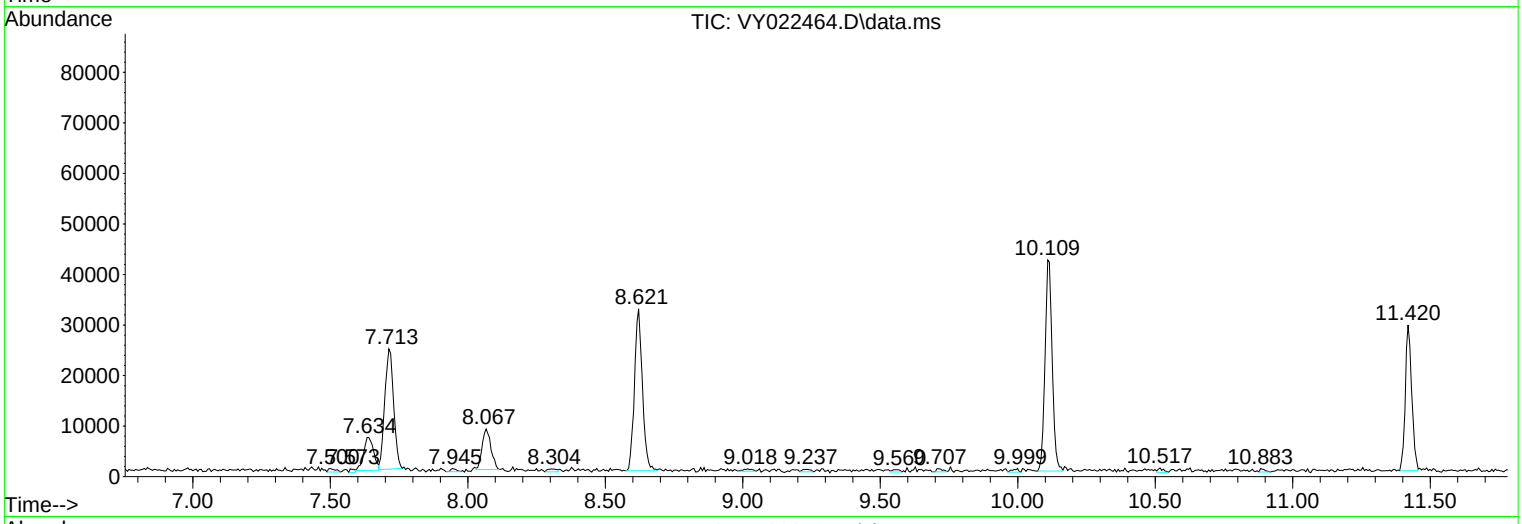
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052925\
Data File : VY022464.D
Acq On : 29 May 2025 13:59
Operator : SY/MD
Sample : Q2150-05
Misc : 7.15g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

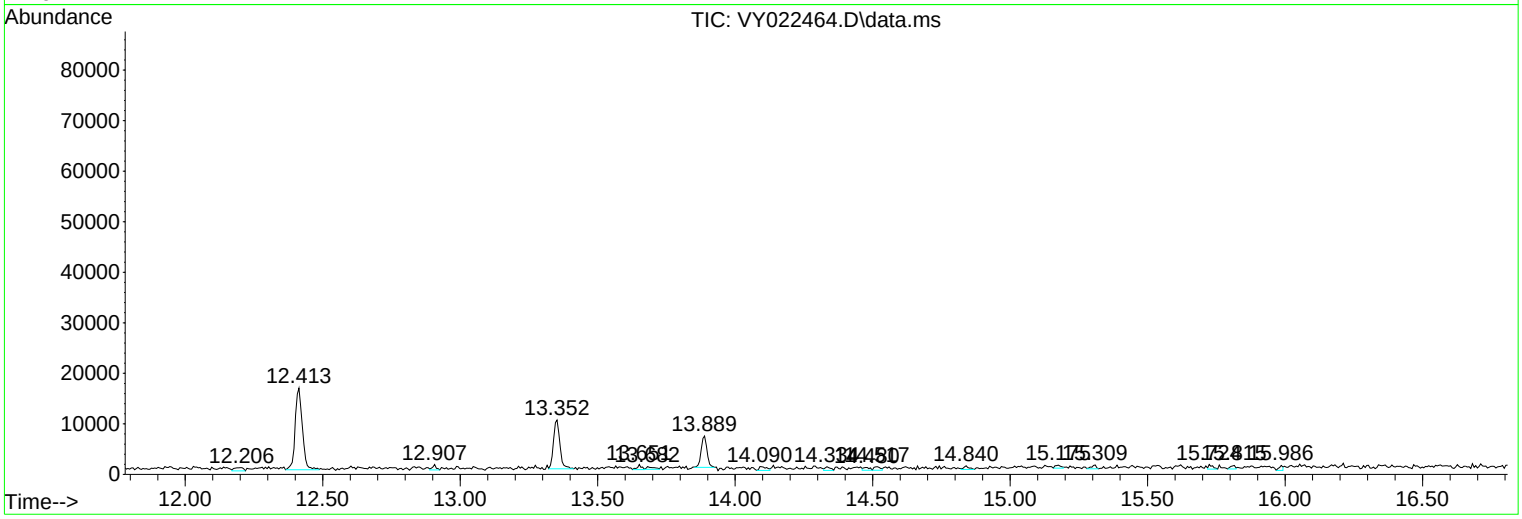
Instrument :
MSVOA_Y
ClientSampleId :
TP-47

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260

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







Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052925\
Data File : VY022464.D
Acq On : 29 May 2025 13:59
Operator : SY/MD
Sample : Q2150-05
Misc : 7.15g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-47

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260

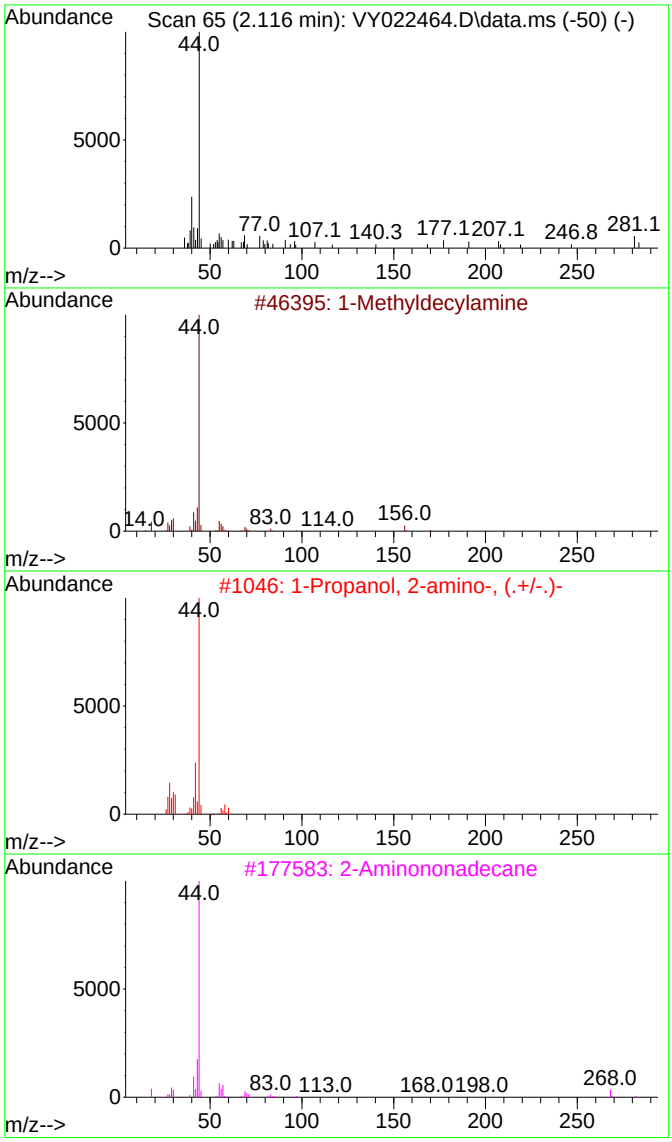
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

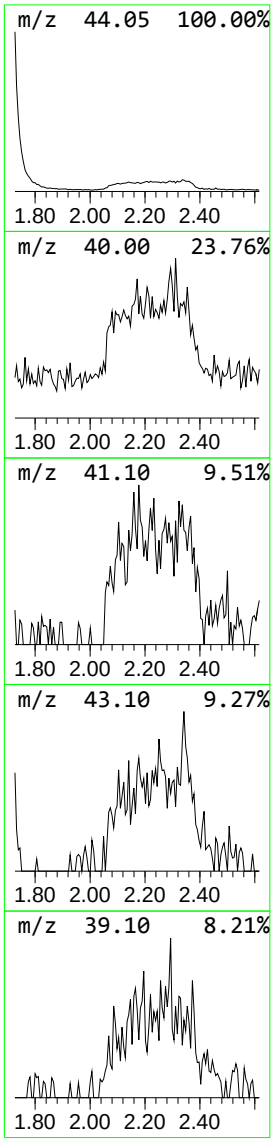
****

Peak Number 1 1-Methyldecylamine Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.116	33.20 ug/l	35237	Pentafluorobenzene	7.719

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Methyldecylamine	171	C11H25N	013205-56-6	53
2	1-Propanol, 2-amino-, (.+/-.)-	75	C3H9NO	006168-72-5	45
3	2-Aminononadecane	283	C19H41N	031604-55-4	36
4	3-Cyclohexyl-1-methyl-1-(2-pheny...	260	C16H24N2O	1024470-80-1	36
5	N-Decyl-N-methylamine	171	C11H25N	007516-82-7	36





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052925\
Data File : VY022464.D
Acq On : 29 May 2025 13:59
Operator : SY/MD
Sample : Q2150-05
Misc : 7.15g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-47

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.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
1-Methyldecylamine	2.116	33.2	ug/l	35237	1	7.719	53064	50.0

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022507.D
Acq On : 02 Jun 2025 19:08
Operator : SY/MD
Sample : Q2150-05RE
Misc : 7.48g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-47RE

Quant Time: Jun 03 04:10:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	60813	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	105433	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	78237	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	24479	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	37335	54.892	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 109.780%			
35) Dibromofluoromethane	7.640	113	33266	52.861	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.720%			
50) Toluene-d8	10.109	98	119467	46.982	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 93.960%			
62) 4-Bromofluorobenzene	12.408	95	26331	34.755	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 69.500%			

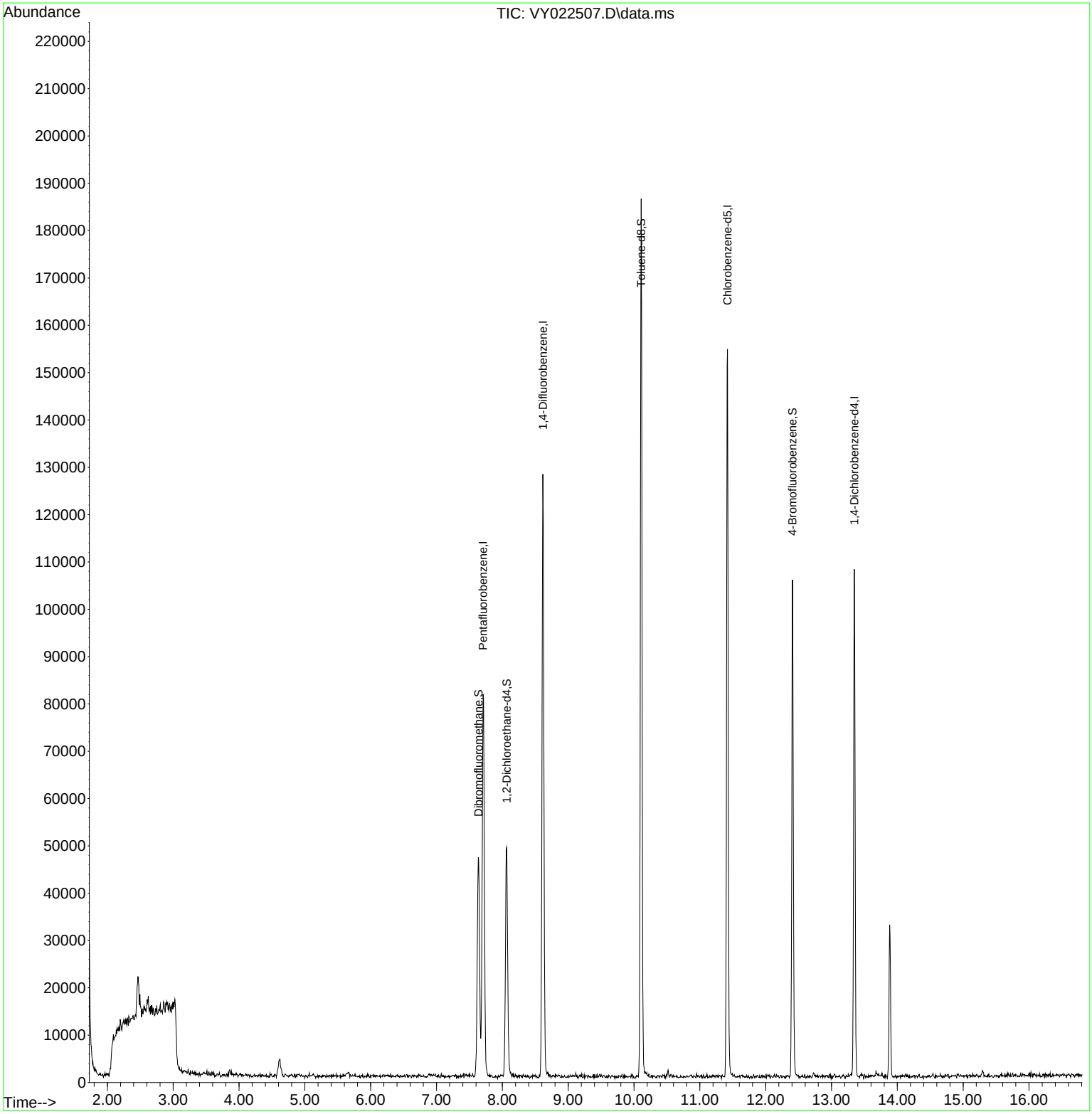
Target Compounds Qvalue

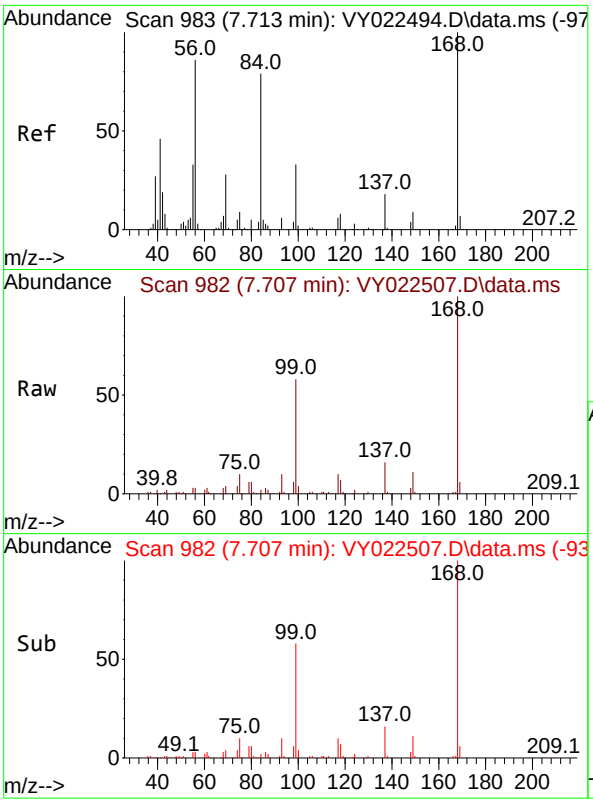
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022507.D
Acq On : 02 Jun 2025 19:08
Operator : SY/MD
Sample : Q2150-05RE
Misc : 7.48g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-47RE

Quant Time: Jun 03 04:10:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 2025
Response via : Initial Calibration



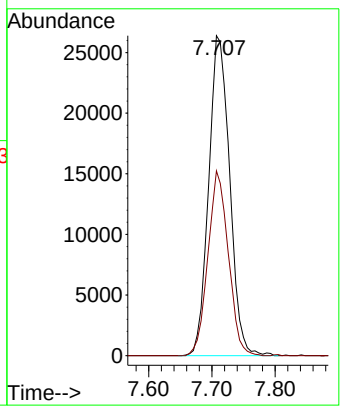


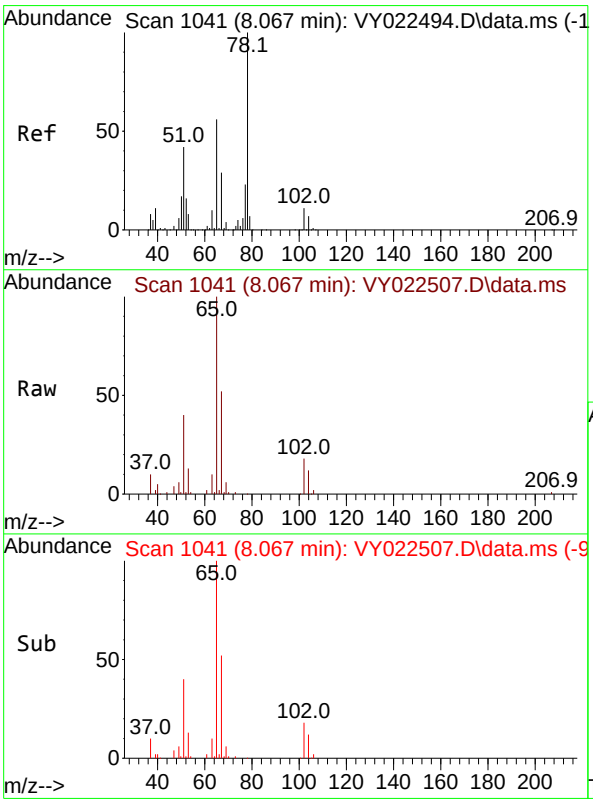
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022507.D
Acq: 02 Jun 2025 19:08

Instrument :
MSVOA_Y
ClientSampleId :
TP-47RE

Tgt Ion:168 Resp: 60813

Ion	Ratio	Lower	Upper
168	100		
99	57.7	44.3	66.5

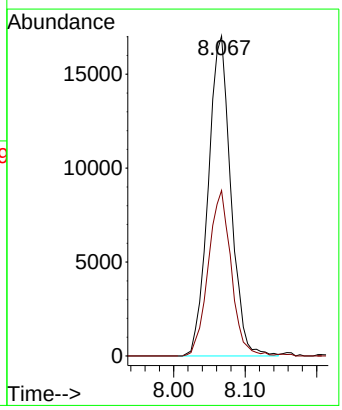


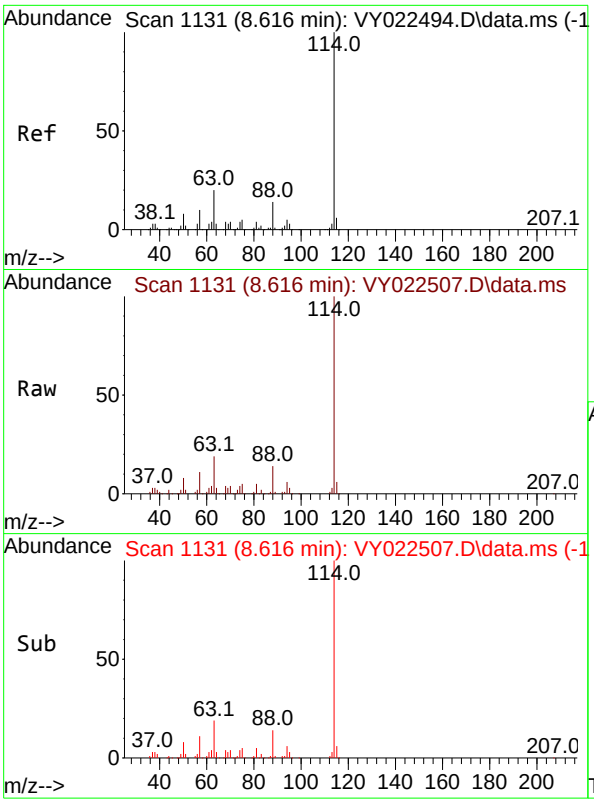


#33
1,2-Dichloroethane-d4
Concen: 54.892 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. -0.000 min
Lab File: VY022507.D
Acq: 02 Jun 2025 19:08

Tgt Ion: 65 Resp: 37335

Ion	Ratio	Lower	Upper
65	100		
67	52.3	0.0	103.4



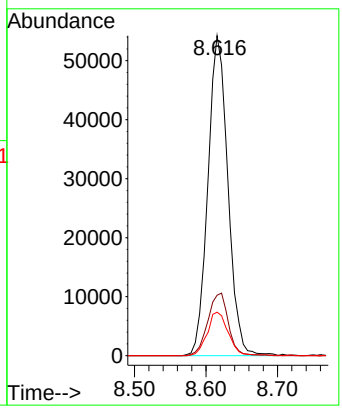


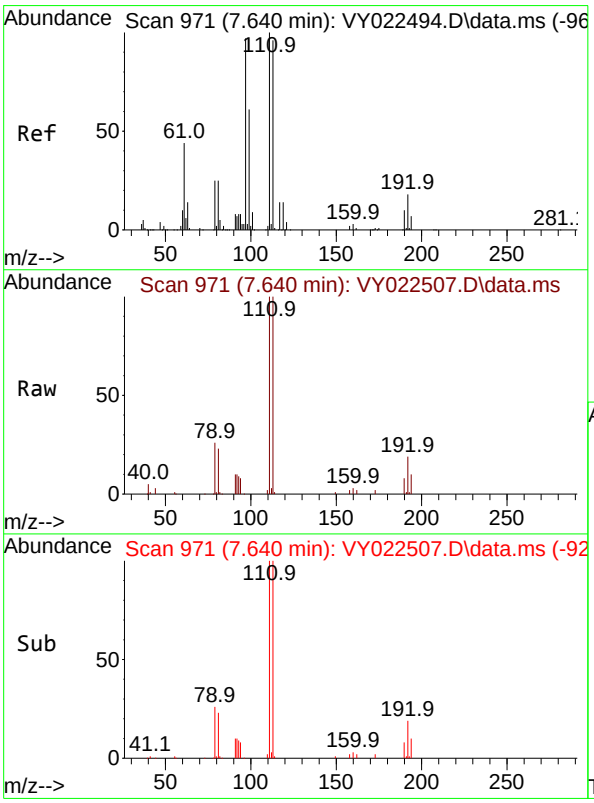
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY022507.D
Acq: 02 Jun 2025 19:08

Instrument :
MSVOA_Y
ClientSampleId :
TP-47RE

Tgt Ion:114 Resp: 105433

Ion	Ratio	Lower	Upper
114	100		
63	18.9	0.0	40.8
88	13.6	0.0	27.8

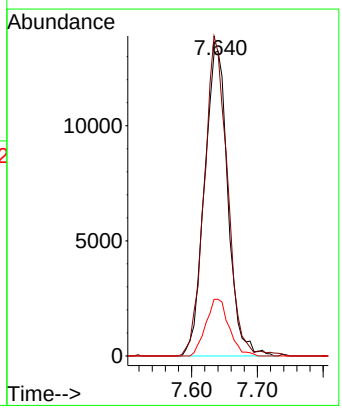


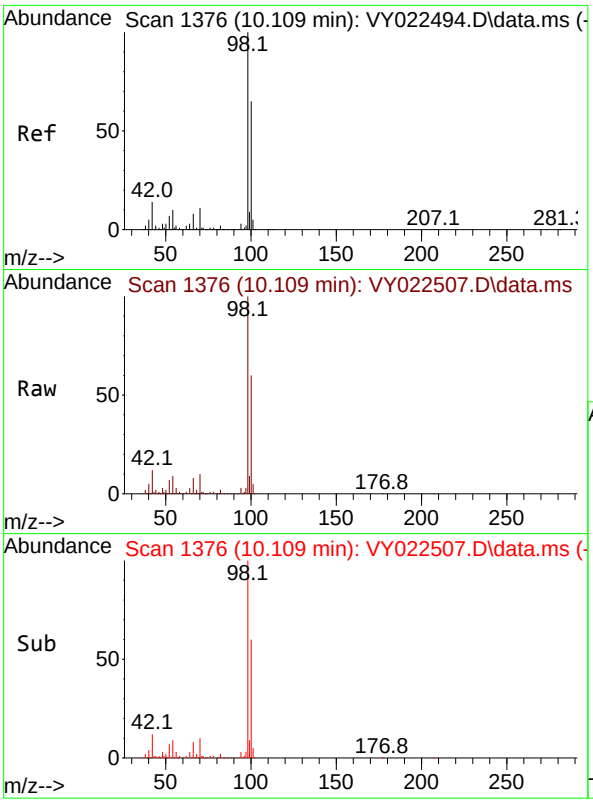


#35
Dibromofluoromethane
Concen: 52.861 ug/l
RT: 7.640 min Scan# 971
Delta R.T. -0.000 min
Lab File: VY022507.D
Acq: 02 Jun 2025 19:08

Tgt Ion:113 Resp: 33266

Ion	Ratio	Lower	Upper
113	100		
111	102.3	81.1	121.7
192	18.2	14.2	21.2



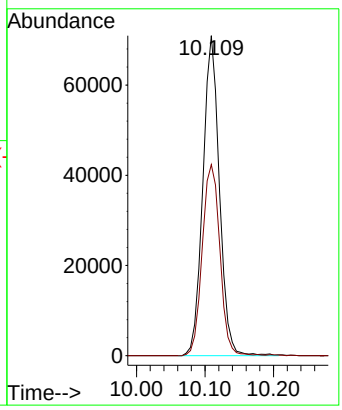


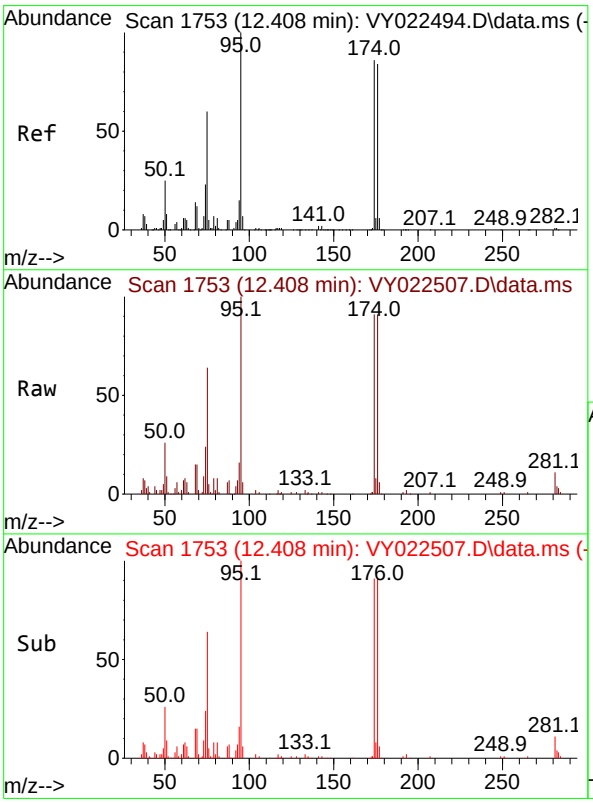
#50
Toluene-d8
Concen: 46.982 ug/l
RT: 10.109 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022507.D
Acq: 02 Jun 2025 19:08

Instrument :
MSVOA_Y
ClientSampleId :
TP-47RE

Tgt Ion: 98 Resp: 119467

Ion	Ratio	Lower	Upper
98	100		
100	63.5	51.4	77.0

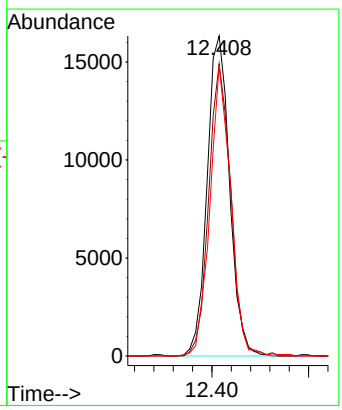


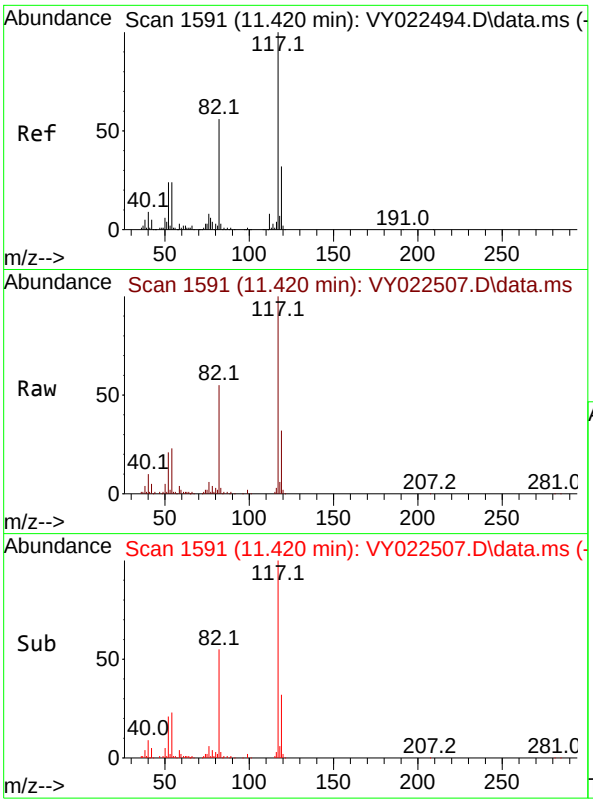


#62
4-Bromofluorobenzene
Concen: 34.755 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022507.D
Acq: 02 Jun 2025 19:08

Tgt Ion: 95 Resp: 26331

Ion	Ratio	Lower	Upper
95	100		
174	89.2	0.0	170.0
176	84.4	0.0	166.2



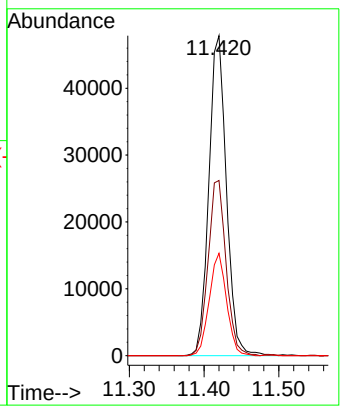


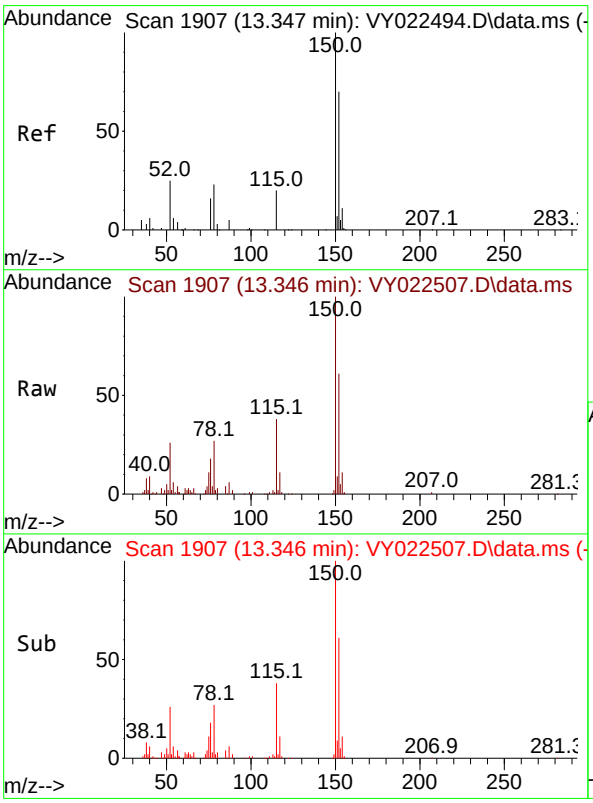
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022507.D
Acq: 02 Jun 2025 19:08

Instrument :
MSVOA_Y
ClientSampleId :
TP-47RE

Tgt Ion:117 Resp: 78237

Ion	Ratio	Lower	Upper
117	100		
82	54.7	44.6	66.8
119	32.0	25.4	38.0

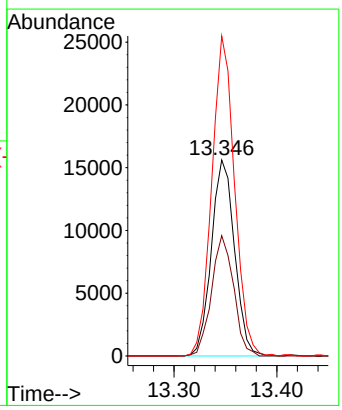




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022507.D
Acq: 02 Jun 2025 19:08

Tgt Ion:152 Resp: 24479

Ion	Ratio	Lower	Upper
152	100		
115	58.5	28.9	86.7
150	160.1	0.0	349.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052925\
Data File : VY022465.D
Acq On : 29 May 2025 14:22
Operator : SY/MD
Sample : Q2150-06
Misc : 7.01g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-50

Quant Time: May 30 05:35:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260
QLast Update : Wed May 28 10:34:06 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	284911	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	538977	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	400662	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	115590	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	162327	54.091	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 108.180%			
35) Dibromofluoromethane	7.640	113	161633	51.208	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.420%			
50) Toluene-d8	10.109	98	633488	49.232	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 98.460%			
62) 4-Bromofluorobenzene	12.408	95	140518	36.103	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 72.200%			

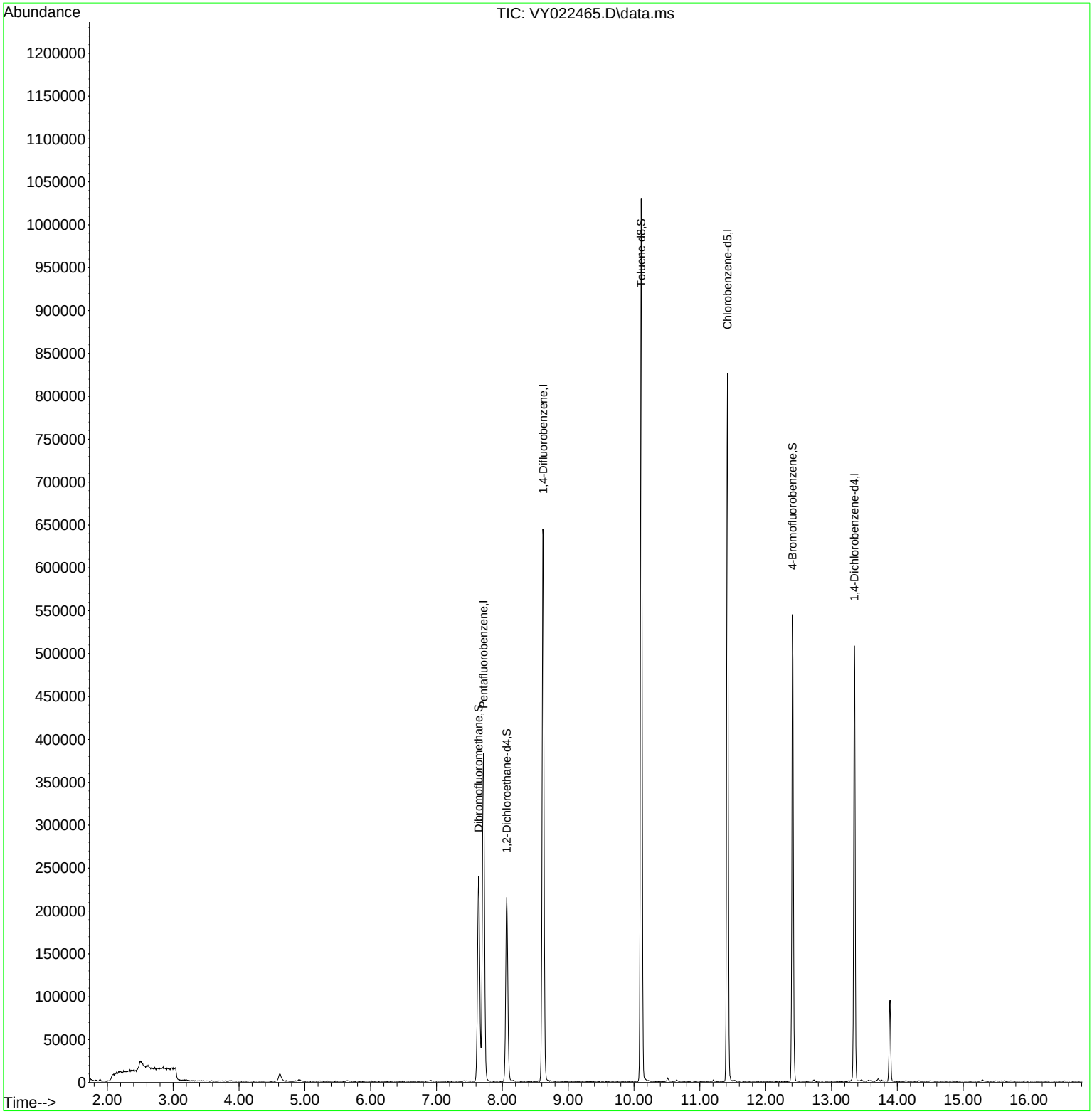
Target Compounds Qvalue

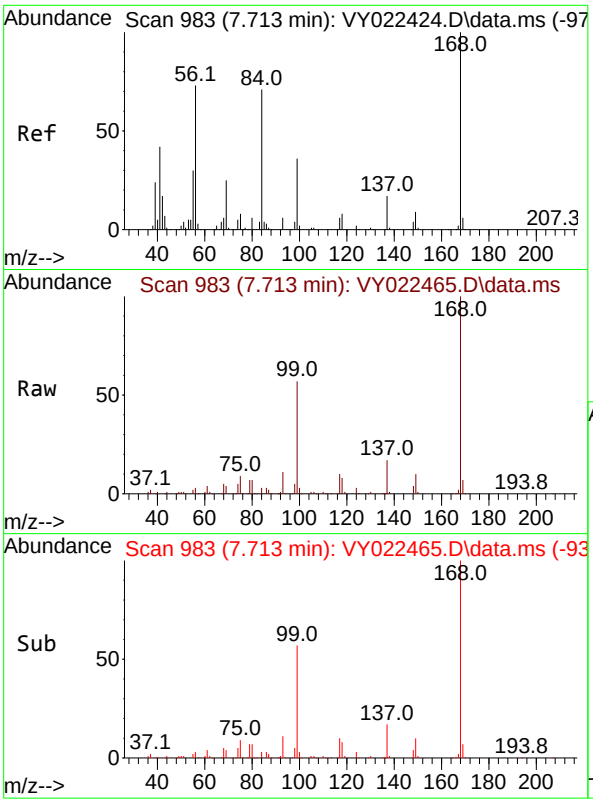
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052925\
Data File : VY022465.D
Acq On : 29 May 2025 14:22
Operator : SY/MD
Sample : Q2150-06
Misc : 7.01g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-50

Quant Time: May 30 05:35:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260
QLast Update : Wed May 28 10:34:06 2025
Response via : Initial Calibration



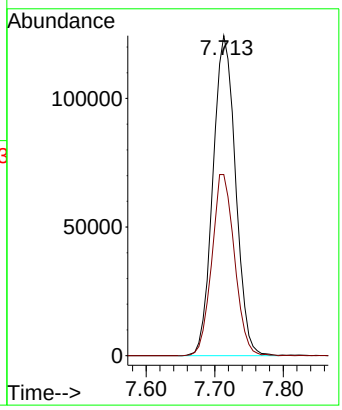


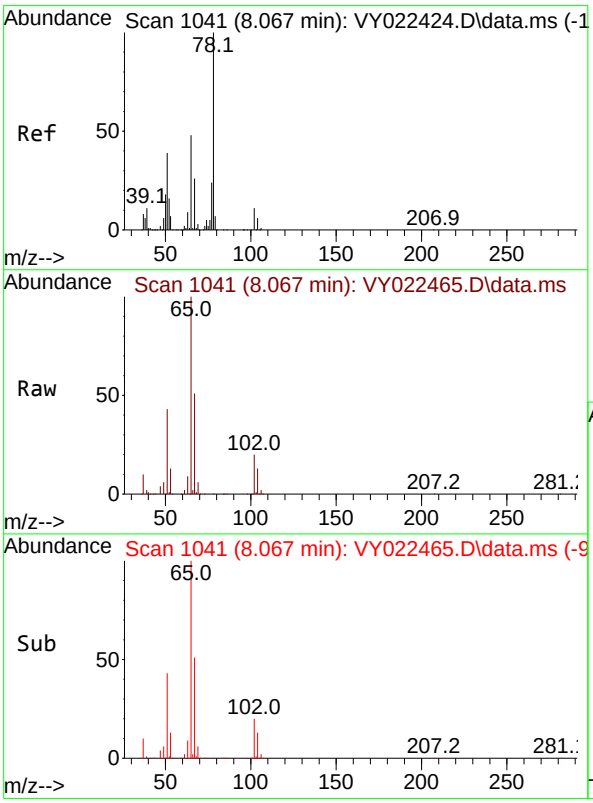
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022465.D
Acq: 29 May 2025 14:22

Instrument :
MSVOA_Y
ClientSampleId :
TP-50

Tgt Ion:168 Resp: 284911

Ion	Ratio	Lower	Upper
168	100		
99	56.6	44.7	67.1

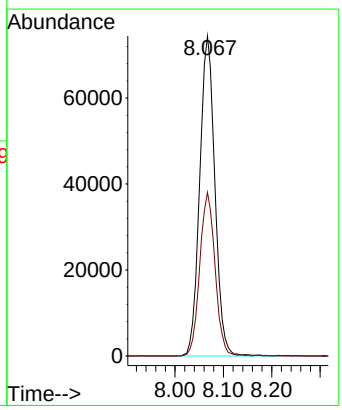


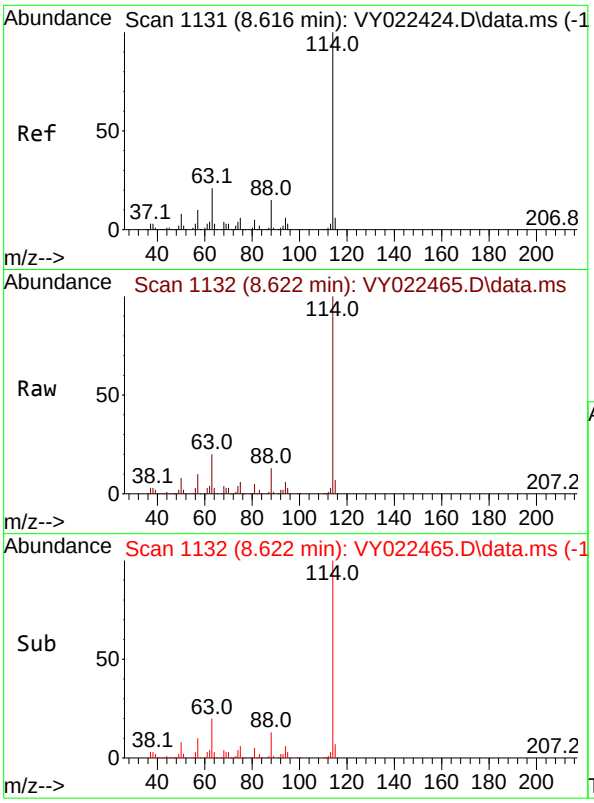


#33
1,2-Dichloroethane-d4
Concen: 54.091 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.000 min
Lab File: VY022465.D
Acq: 29 May 2025 14:22

Tgt Ion: 65 Resp: 162327

Ion	Ratio	Lower	Upper
65	100		
67	51.4	0.0	104.4



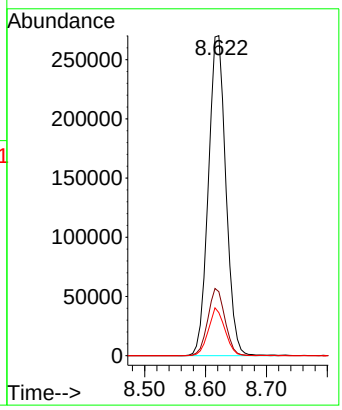


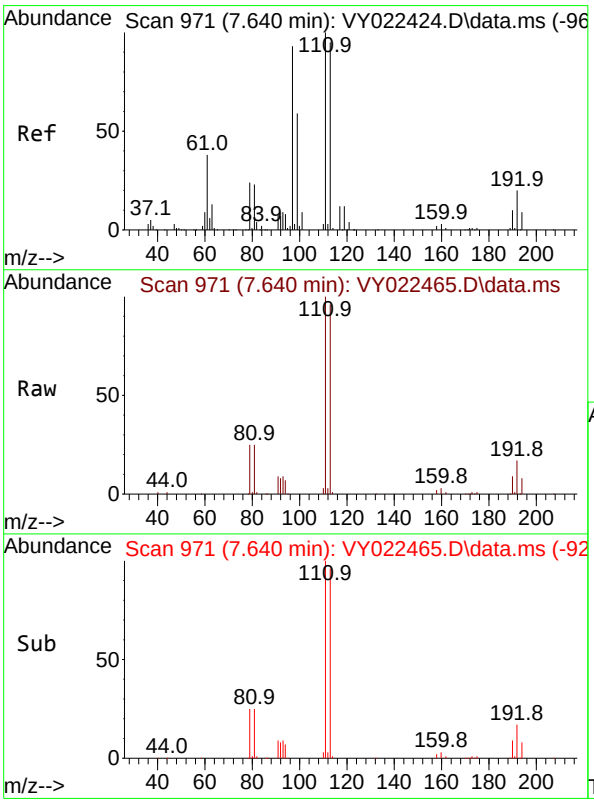
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY022465.D
Acq: 29 May 2025 14:22

Instrument :
MSVOA_Y
ClientSampleId :
TP-50

Tgt Ion:114 Resp: 538977

Ion	Ratio	Lower	Upper
114	100		
63	20.0	0.0	42.6
88	13.4	0.0	29.4

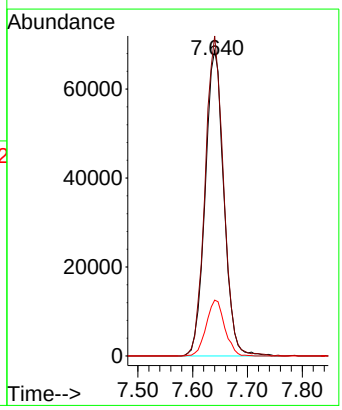


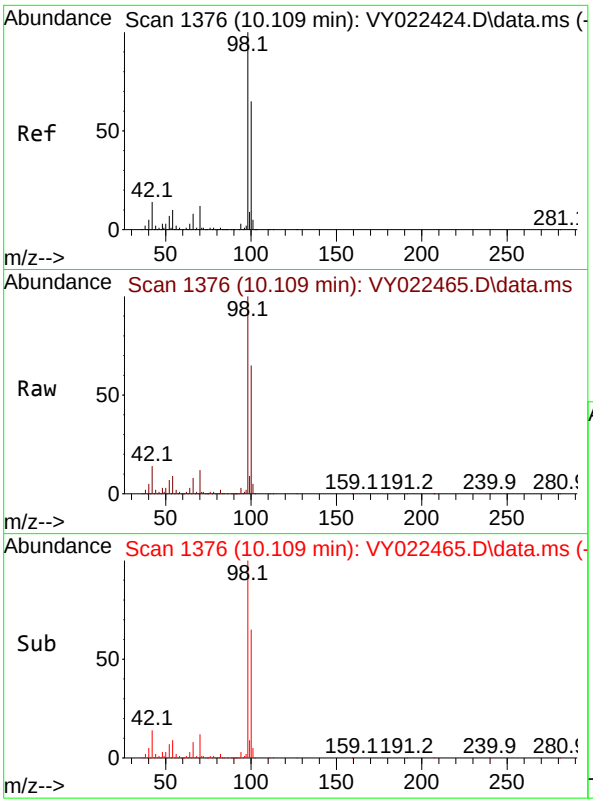


#35
Dibromofluoromethane
Concen: 51.208 ug/l
RT: 7.640 min Scan# 971
Delta R.T. 0.000 min
Lab File: VY022465.D
Acq: 29 May 2025 14:22

Tgt Ion:113 Resp: 161633

Ion	Ratio	Lower	Upper
113	100		
111	103.7	82.4	123.6
192	18.1	15.2	22.8



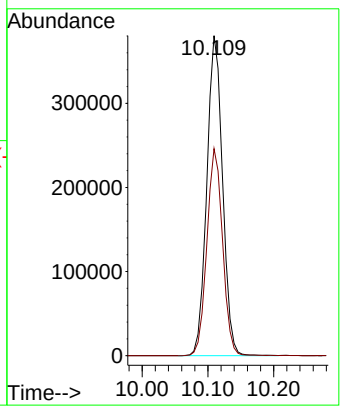


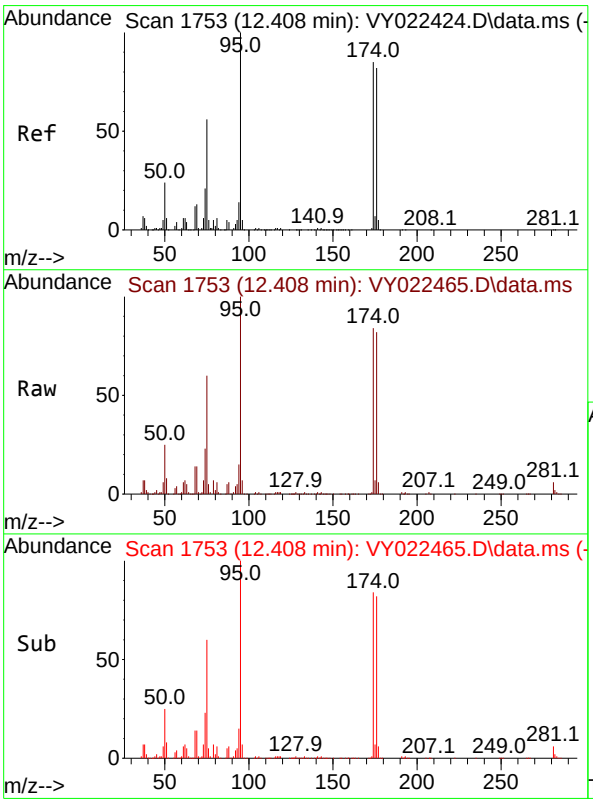
#50
Toluene-d8
Concen: 49.232 ug/l
RT: 10.109 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022465.D
Acq: 29 May 2025 14:22

Instrument :
MSVOA_Y
ClientSampleId :
TP-50

Tgt Ion: 98 Resp: 633488

Ion	Ratio	Lower	Upper
98	100		
100	64.5	52.2	78.2

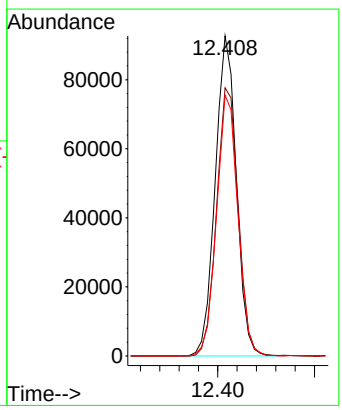


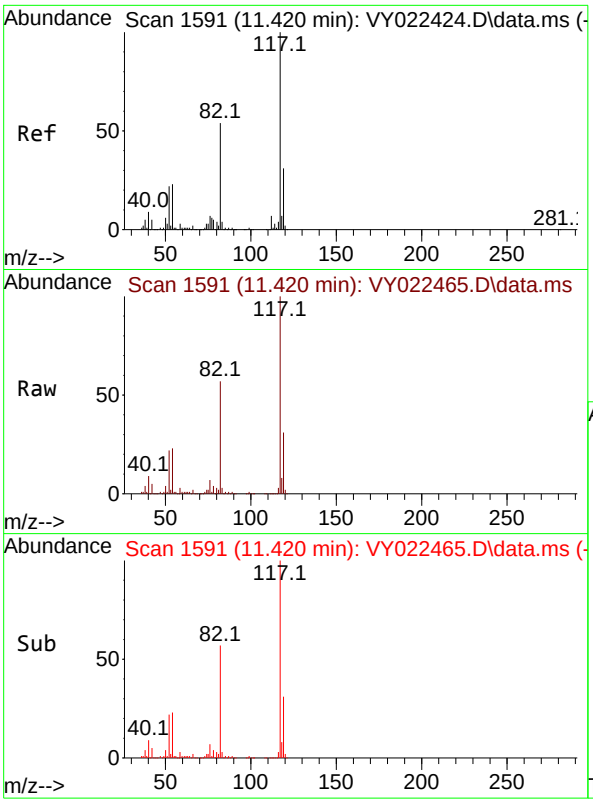


#62
4-Bromofluorobenzene
Concen: 36.103 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY022465.D
Acq: 29 May 2025 14:22

Tgt Ion: 95 Resp: 140518

Ion	Ratio	Lower	Upper
95	100		
174	85.8	0.0	171.6
176	82.2	0.0	164.6



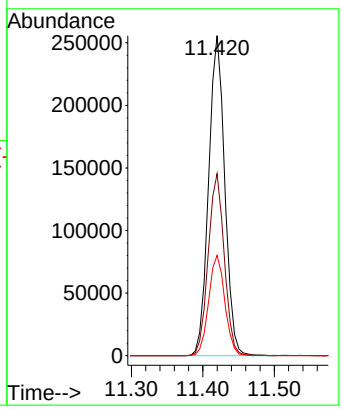


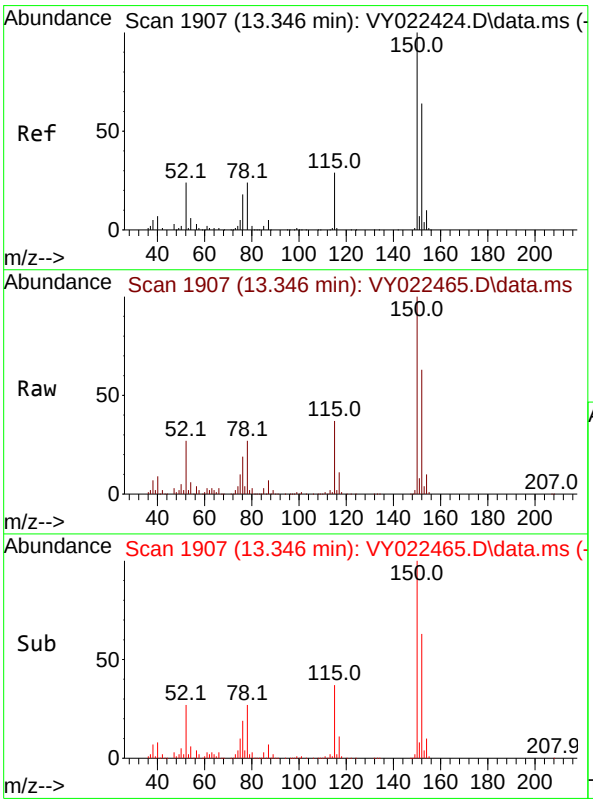
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022465.D
Acq: 29 May 2025 14:22

Instrument :
MSVOA_Y
ClientSampleId :
TP-50

Tgt Ion:117 Resp: 400662

Ion	Ratio	Lower	Upper
117	100		
82	56.9	43.3	64.9
119	31.4	24.5	36.7

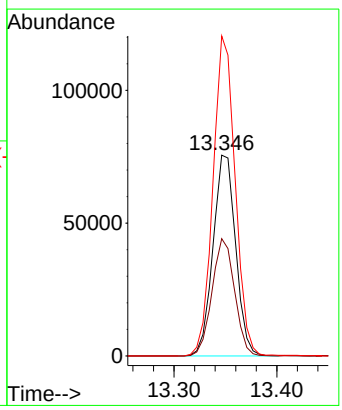




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY022465.D
Acq: 29 May 2025 14:22

Tgt Ion:152 Resp: 115590

Ion	Ratio	Lower	Upper
152	100		
115	58.2	28.4	85.3
150	156.2	0.0	345.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052925\
Data File : VY022465.D
Acq On : 29 May 2025 14:22
Operator : SY/MD
Sample : Q2150-06
Misc : 7.01g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-50

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\82Y052725S.M
Title : SW846 8260

Signal : TIC: VY022465.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.507	118	129	133	rBV5	11797	40400	2.34%	0.500%
2	4.616	468	475	486	rVB4	8257	24421	1.42%	0.302%
3	7.640	961	971	977	rBV	238606	561416	32.58%	6.945%
4	7.713	977	983	1000	rVB2	382839	873425	50.69%	10.805%
5	8.067	1030	1041	1054	rBV	214978	478920	27.80%	5.924%
6	8.616	1123	1131	1143	rBV	644224	1278864	74.22%	15.820%
7	10.109	1367	1376	1385	rBV	1029189	1723031	100.00%	21.315%
8	11.420	1582	1591	1600	rBV	825221	1316511	76.41%	16.286%
9	12.408	1746	1753	1763	rVB2	544087	861355	49.99%	10.655%
10	13.346	1896	1907	1916	rBV	507993	773529	44.89%	9.569%
11	13.889	1989	1996	2003	rBV2	94493	151938	8.82%	1.880%

Sum of corrected areas: 8083810

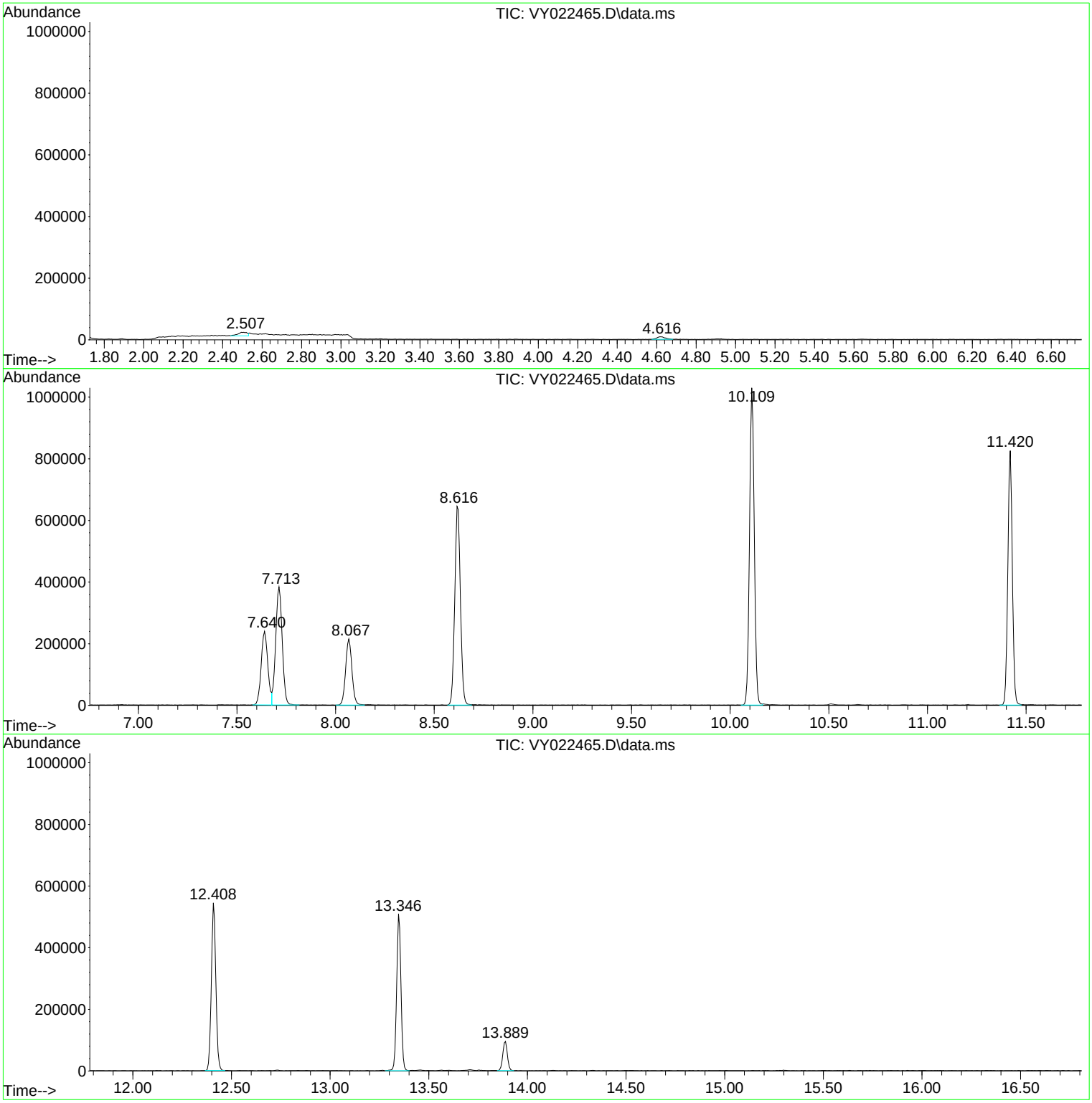
Sample Results: **VY022465.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052925\
Data File : VY022465.D
Acq On : 29 May 2025 14:22
Operator : SY/MD
Sample : Q2150-06
Misc : 7.01g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-50

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052925\
Data File : VY022465.D
Acq On : 29 May 2025 14:22
Operator : SY/MD
Sample : Q2150-06
Misc : 7.01g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-50

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.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\VY052925\
Data File : VY022465.D
Acq On : 29 May 2025 14:22
Operator : SY/MD
Sample : Q2150-06
Misc : 7.01g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-50

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.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\VY052925\
Data File : VY022466.D
Acq On : 29 May 2025 14:46
Operator : SY/MD
Sample : Q2150-07
Misc : 7.53g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-51

Quant Time: May 30 05:35:29 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260
QLast Update : Wed May 28 10:34:06 2025
Response via : Initial Calibration

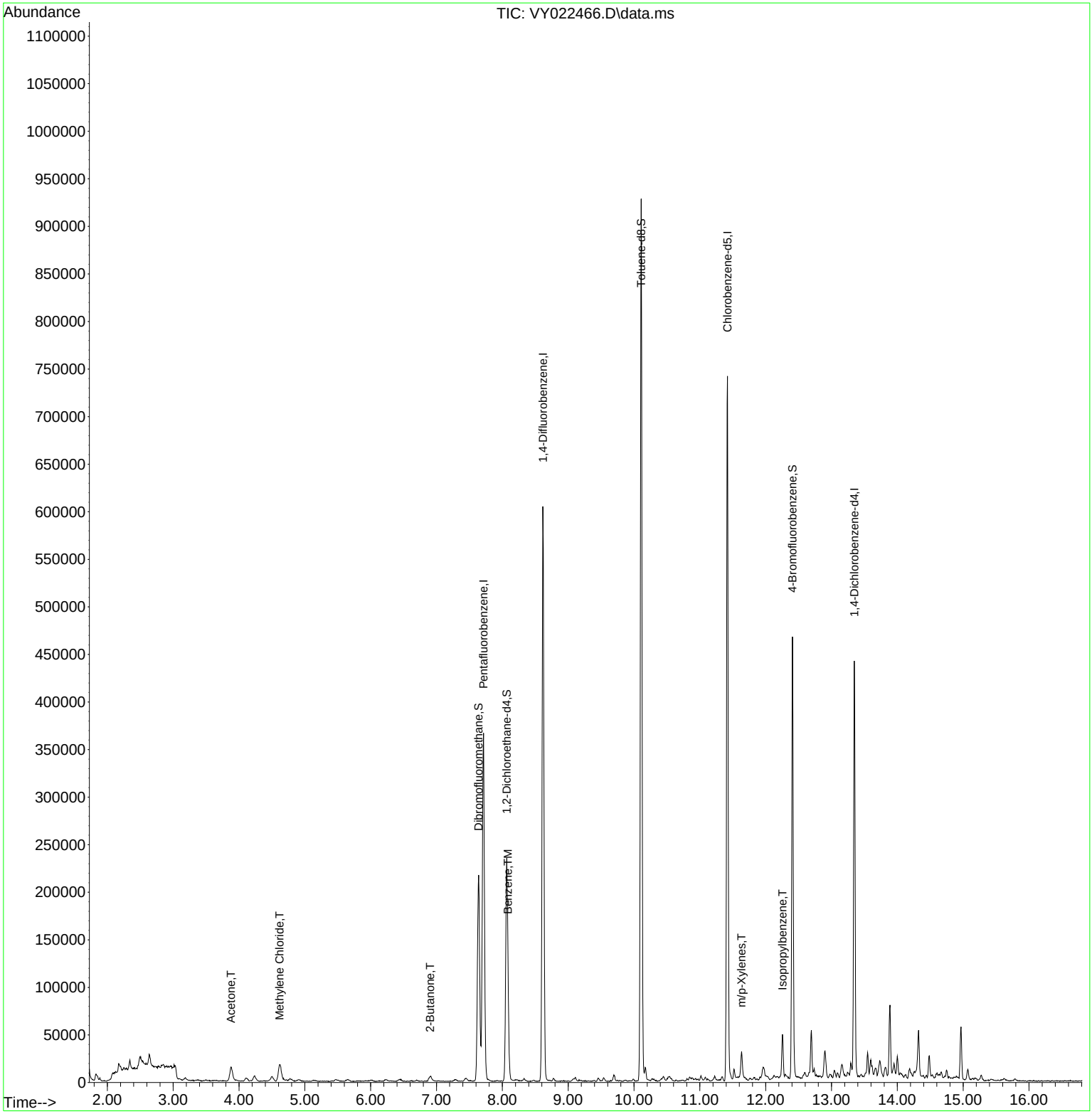
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	7.713	168	266889	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	8.616	114	485834	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.420	117	362765	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	99703	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.067	65	155794	55.420	ug/l		0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 110.840%				
35) Dibromofluoromethane	7.640	113	149024	52.377	ug/l		0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.760%				
50) Toluene-d8	10.109	98	575624	49.629	ug/l		0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.260%				
62) 4-Bromofluorobenzene	12.408	95	122932	35.039	ug/l		0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 70.080%				
Target Compounds							Qvalue
16) Acetone	3.879	43	27941	60.486	ug/l		92
20) Methylene Chloride	4.616	84	12702	3.894	ug/l		95
25) 2-Butanone	6.902	43	8812	11.454	ug/l	#	85
40) Benzene	8.085	78	47372	3.526	ug/l		93
68) m/p-Xylenes	11.633	106	8212	1.508	ug/l		98
73) Isopropylbenzene	12.255	105	28214	3.596	ug/l		99

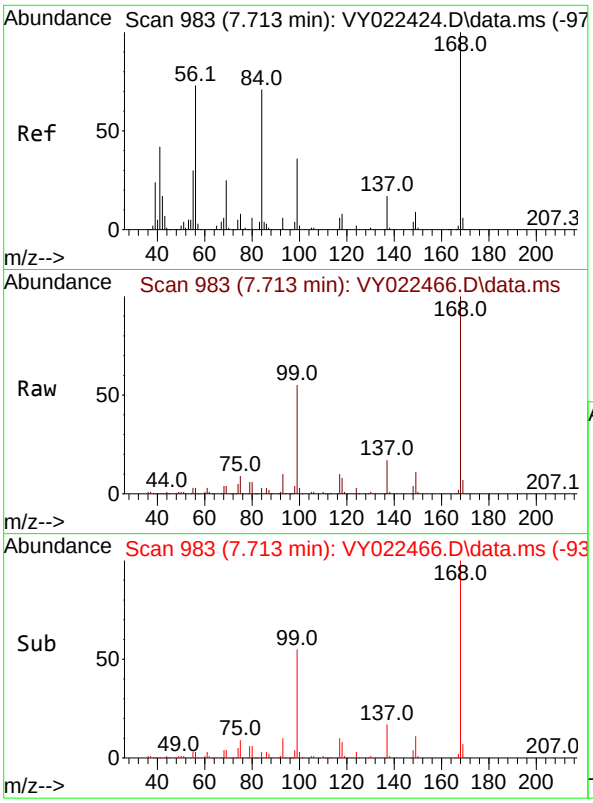
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052925\
Data File : VY022466.D
Acq On : 29 May 2025 14:46
Operator : SY/MD
Sample : Q2150-07
Misc : 7.53g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-51

Quant Time: May 30 05:35:29 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260
QLast Update : Wed May 28 10:34:06 2025
Response via : Initial Calibration



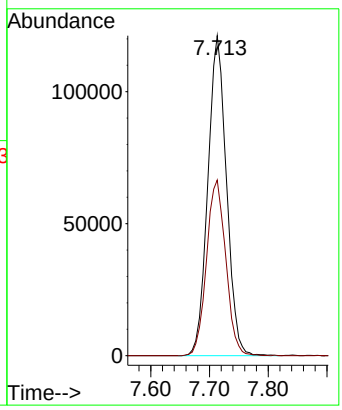


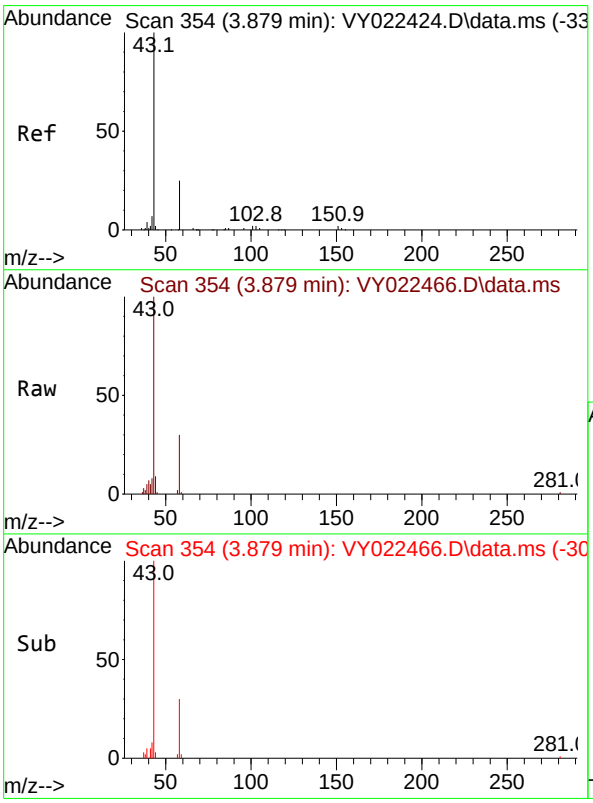
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022466.D
Acq: 29 May 2025 14:46

Instrument :
MSVOA_Y
ClientSampleId :
TP-51

Tgt Ion:168 Resp: 266889

Ion	Ratio	Lower	Upper
168	100		
99	54.9	44.7	67.1

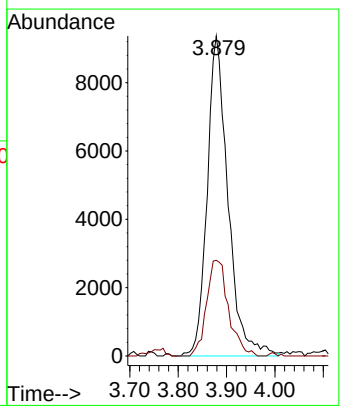


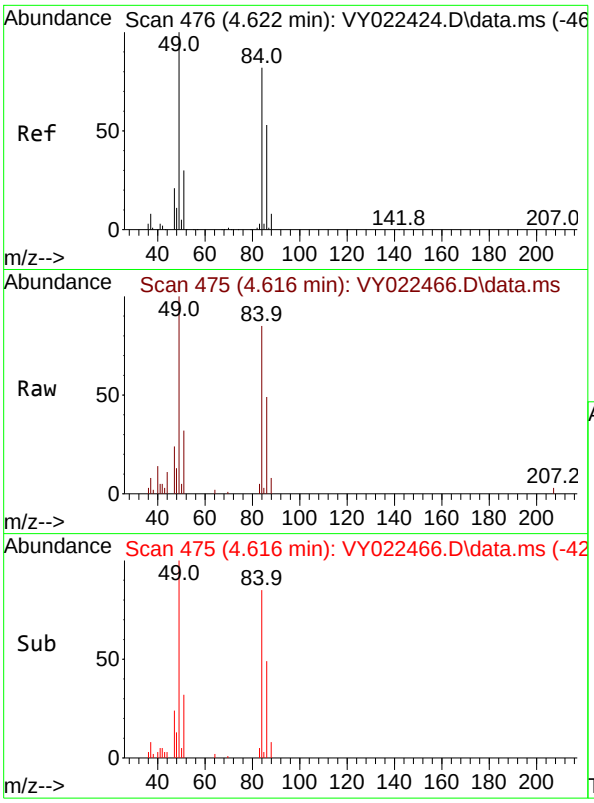


#16
Acetone
Concen: 60.486 ug/l
RT: 3.879 min Scan# 354
Delta R.T. 0.000 min
Lab File: VY022466.D
Acq: 29 May 2025 14:46

Tgt Ion: 43 Resp: 27941

Ion	Ratio	Lower	Upper
43	100		
58	29.9	20.6	30.8



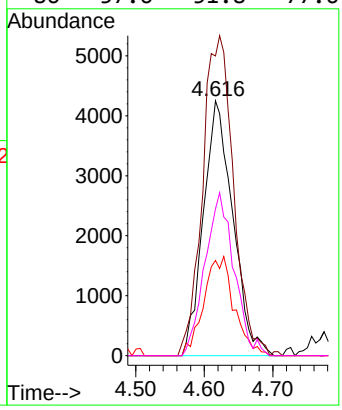


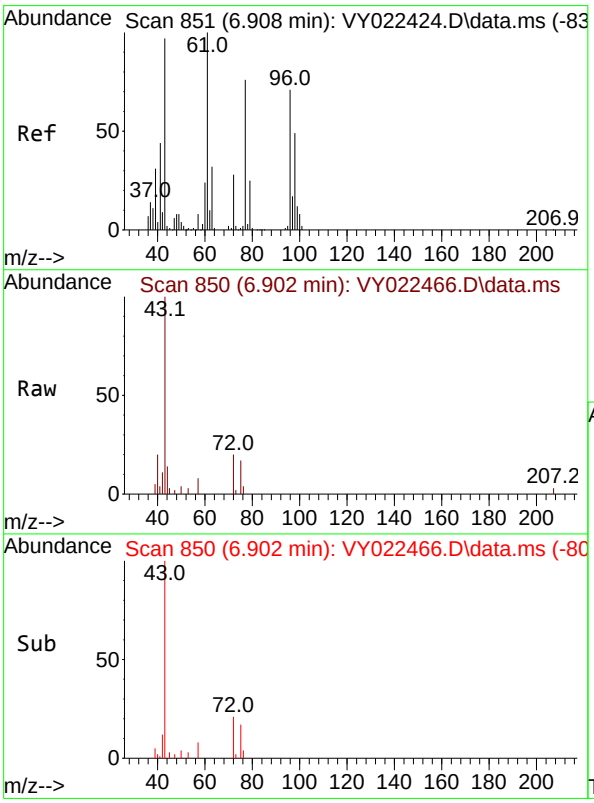
#20
Methylene Chloride
Concen: 3.894 ug/l
RT: 4.616 min Scan# 4
Delta R.T. -0.006 min
Lab File: VY022466.D
Acq: 29 May 2025 14:46

Instrument :
MSVOA_Y
ClientSampleId :
TP-51

Tgt Ion: 84 Resp: 12702

Ion	Ratio	Lower	Upper
84	100		
49	117.6	97.8	146.8
51	37.4	29.5	44.3
86	57.6	51.8	77.6

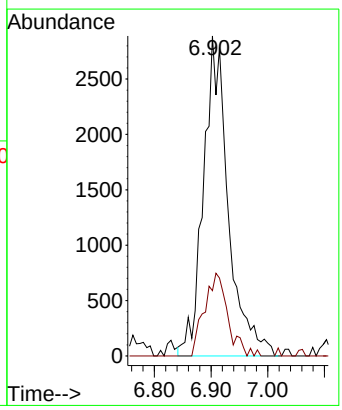


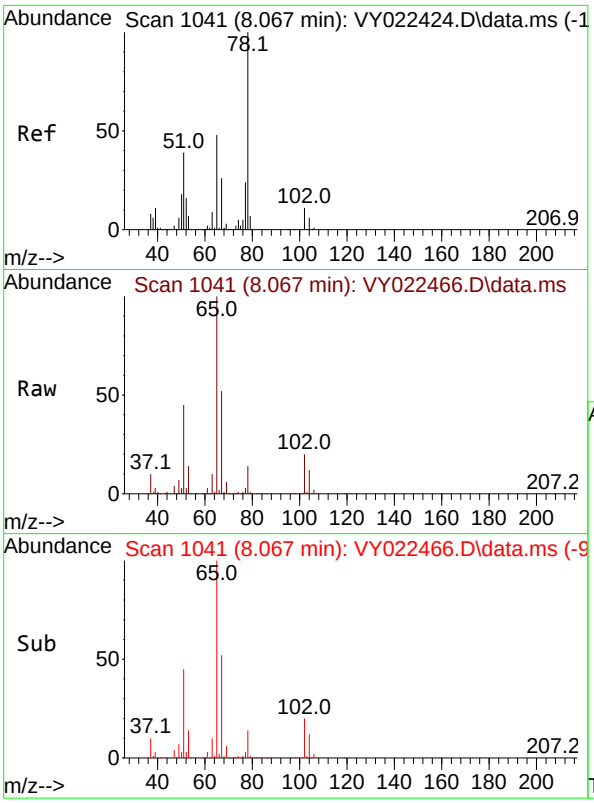


#25
2-Butanone
Concen: 11.454 ug/l
RT: 6.902 min Scan# 850
Delta R.T. -0.006 min
Lab File: VY022466.D
Acq: 29 May 2025 14:46

Tgt Ion: 43 Resp: 8812

Ion	Ratio	Lower	Upper
43	100		
72	20.4	22.8	34.2#



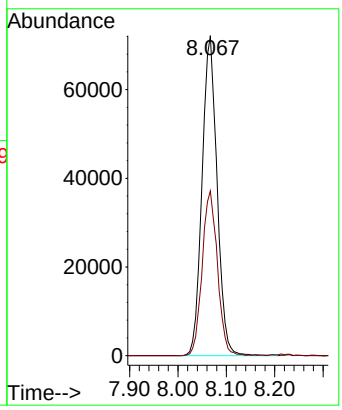


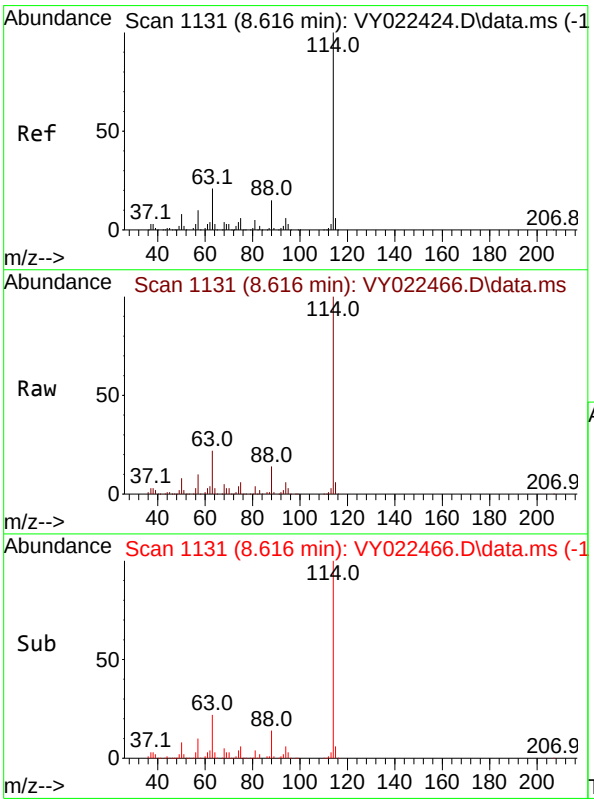
#33
1,2-Dichloroethane-d4
Concen: 55.420 ug/l
RT: 8.067 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022466.D
Acq: 29 May 2025 14:46

Instrument :
MSVOA_Y
ClientSampleId :
TP-51

Tgt Ion: 65 Resp: 155794

Ion	Ratio	Lower	Upper
65	100		
67	52.4	0.0	104.4

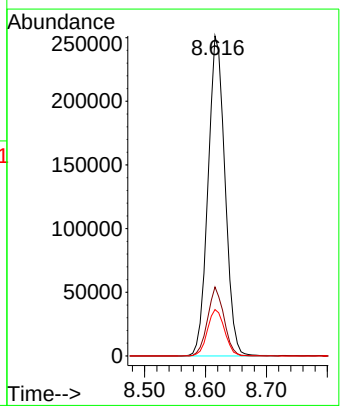




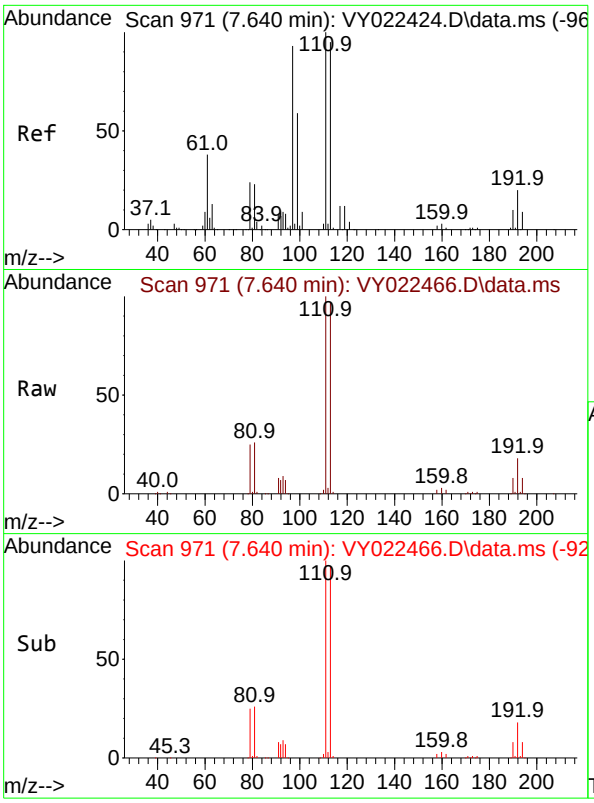
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY022466.D
Acq: 29 May 2025 14:46

Tgt Ion:114 Resp: 485834

Ion	Ratio	Lower	Upper
114	100		
63	21.5	0.0	42.6
88	14.5	0.0	29.4



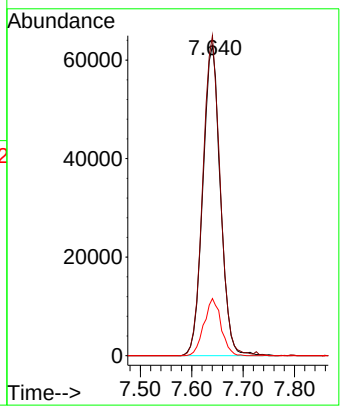
Instrument :
MSVOA_Y
ClientSampleId :
TP-51

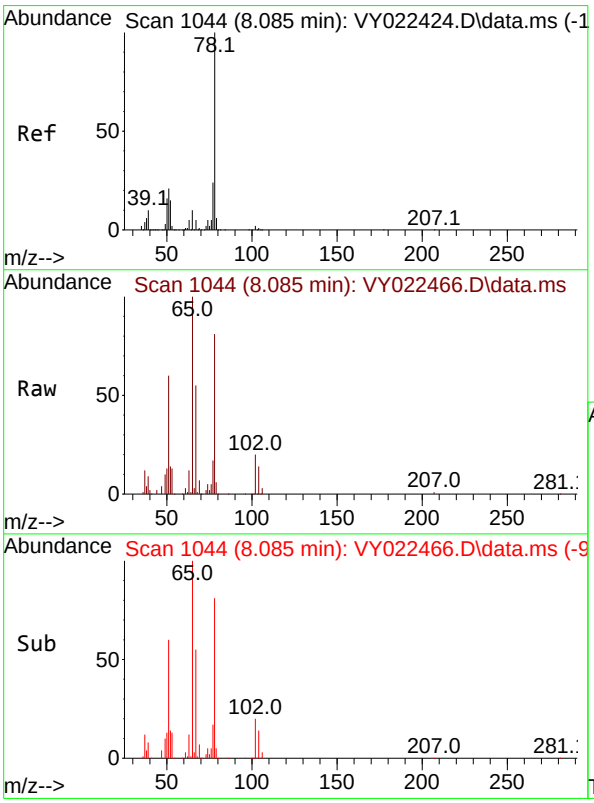


#35
Dibromofluoromethane
Concen: 52.377 ug/l
RT: 7.640 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022466.D
Acq: 29 May 2025 14:46

Tgt Ion:113 Resp: 149024

Ion	Ratio	Lower	Upper
113	100		
111	102.0	82.4	123.6
192	18.0	15.2	22.8

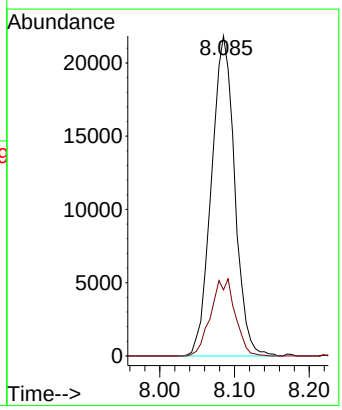


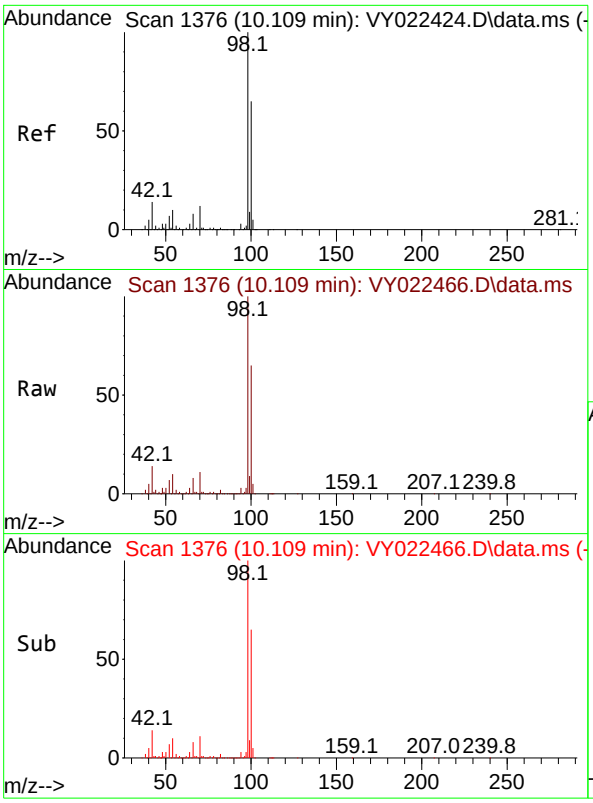


#40
Benzene
Concen: 3.526 ug/l
RT: 8.085 min Scan# 1044
Delta R.T. 0.000 min
Lab File: VY022466.D
Acq: 29 May 2025 14:46

Tgt Ion: 78 Resp: 47372

Ion	Ratio	Lower	Upper
78	100		
77	20.7	19.4	29.2



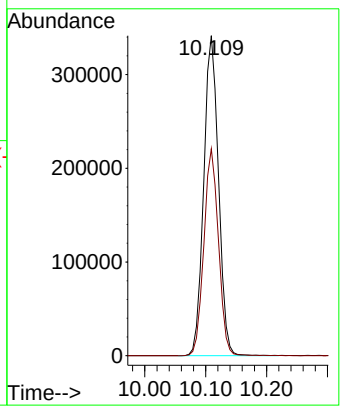


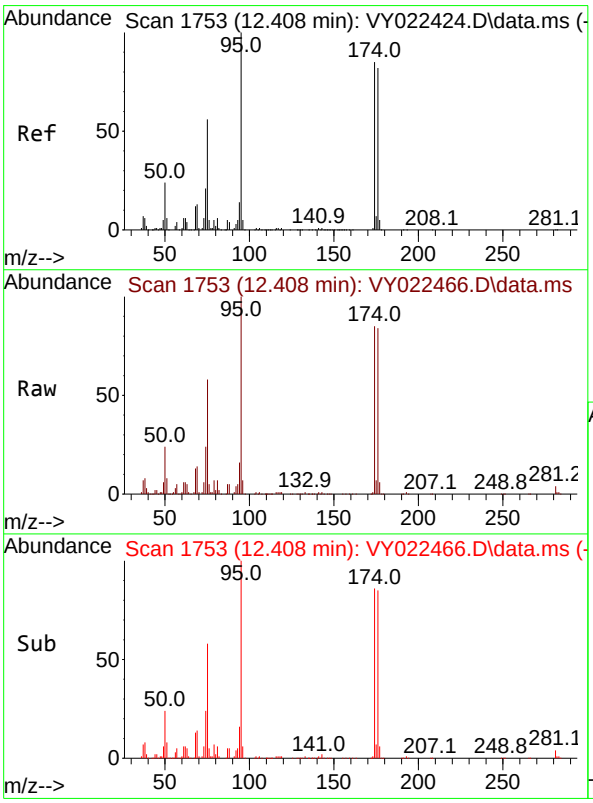
#50
Toluene-d8
Concen: 49.629 ug/l
RT: 10.109 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022466.D
Acq: 29 May 2025 14:46

Instrument :
MSVOA_Y
ClientSampleId :
TP-51

Tgt Ion: 98 Resp: 575624

Ion	Ratio	Lower	Upper
98	100		
100	63.8	52.2	78.2

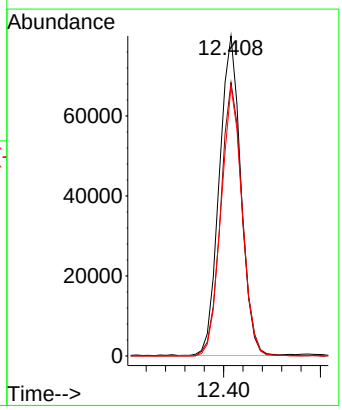


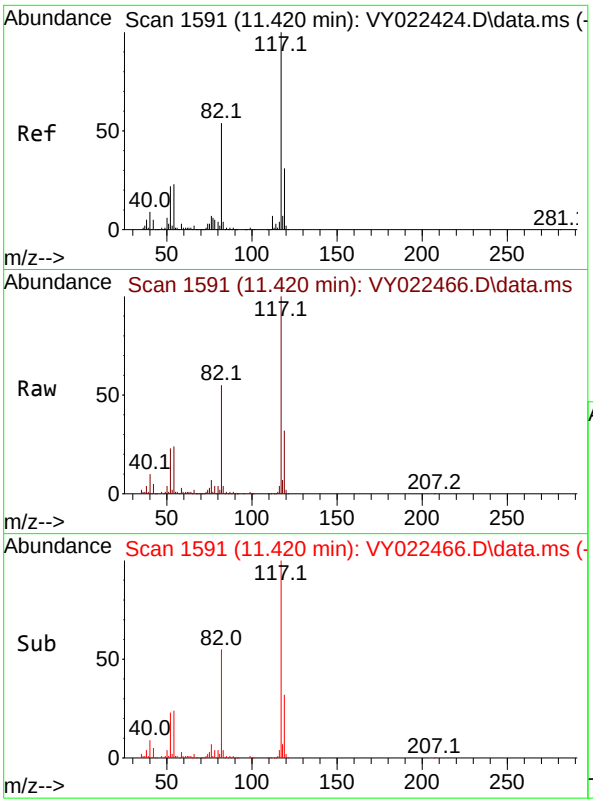


#62
4-Bromofluorobenzene
Concen: 35.039 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY022466.D
Acq: 29 May 2025 14:46

Tgt Ion: 95 Resp: 122932

Ion	Ratio	Lower	Upper
95	100		
174	85.7	0.0	171.6
176	82.6	0.0	164.6



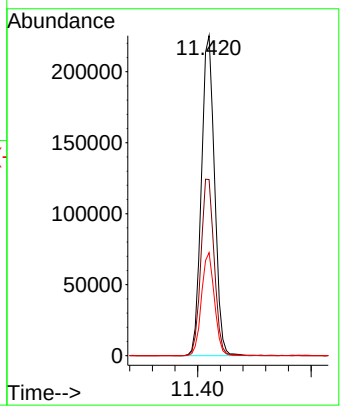


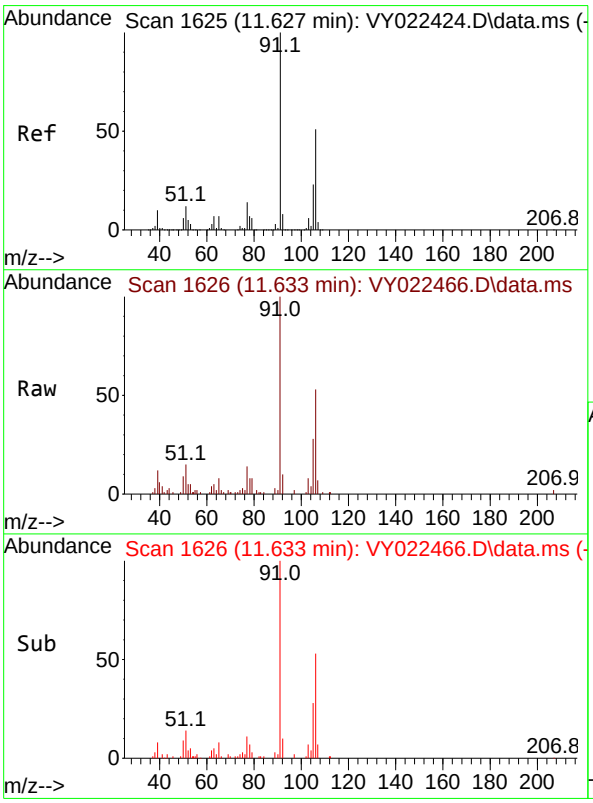
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022466.D
Acq: 29 May 2025 14:46

Instrument :
MSVOA_Y
ClientSampleId :
TP-51

Tgt Ion:117 Resp: 362765

Ion	Ratio	Lower	Upper
117	100		
82	55.0	43.3	64.9
119	32.2	24.5	36.7

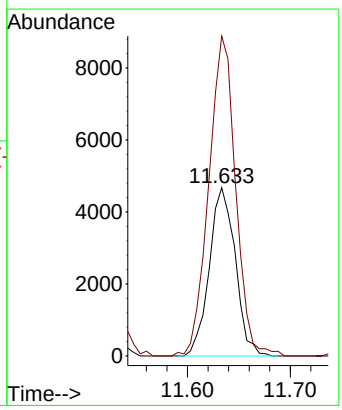


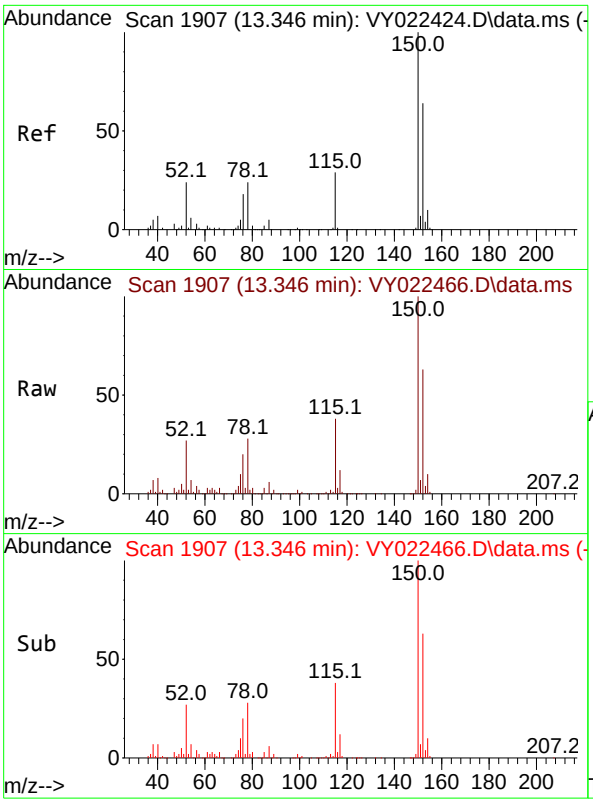


#68
m/p-Xylenes
Concen: 1.508 ug/l
RT: 11.633 min Scan# 1626
Delta R.T. 0.006 min
Lab File: VY022466.D
Acq: 29 May 2025 14:46

Tgt Ion:106 Resp: 8212

Ion	Ratio	Lower	Upper
106	100		
91	196.8	159.8	239.8



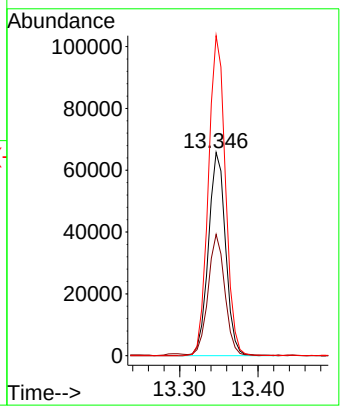


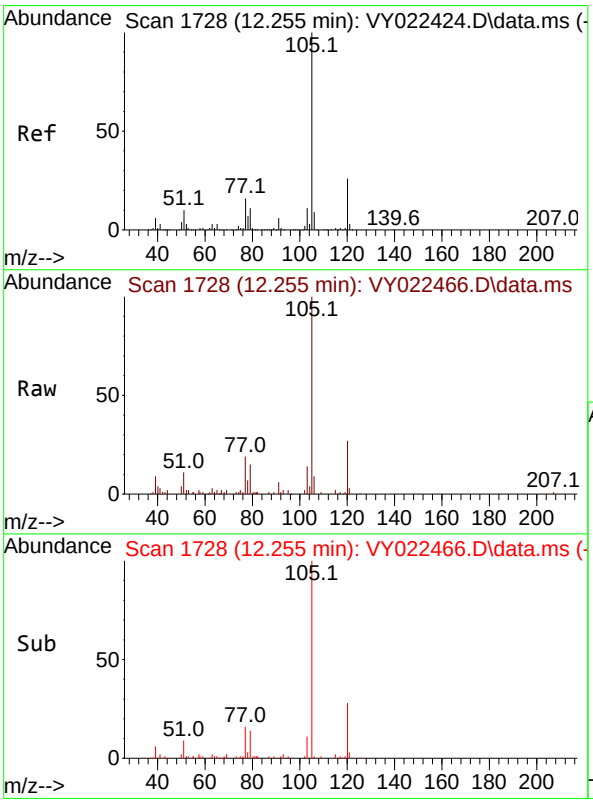
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022466.D
Acq: 29 May 2025 14:46

Instrument :
MSVOA_Y
ClientSampleId :
TP-51

Tgt Ion:152 Resp: 99703

Ion	Ratio	Lower	Upper
152	100		
115	58.4	28.4	85.3
150	156.5	0.0	345.8

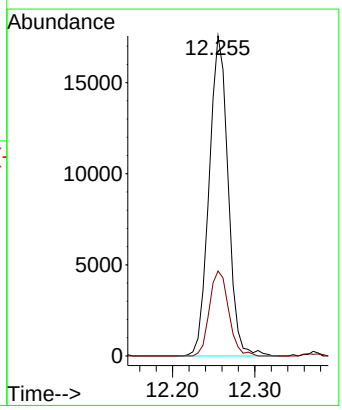




#73
Isopropylbenzene
Concen: 3.596 ug/l
RT: 12.255 min Scan# 1728
Delta R.T. 0.000 min
Lab File: VY022466.D
Acq: 29 May 2025 14:46

Tgt Ion:105 Resp: 28214

Ion	Ratio	Lower	Upper
105	100		
120	26.8	13.2	39.5



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052925\
Data File : VY022466.D
Acq On : 29 May 2025 14:46
Operator : SY/MD
Sample : Q2150-07
Misc : 7.53g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-51

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\82Y052725S.M
Title : SW846 8260

Signal : TIC: VY022466.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.824	13	17	25	rBV4	6558	15889	1.01%	0.188%
2	2.086	44	60	62	rBV4	8870	24786	1.57%	0.294%
3	2.172	71	74	83	rBV4	8333	19856	1.26%	0.235%
4	2.342	97	102	107	rBV	10526	18698	1.18%	0.222%
5	2.495	120	127	128	rBV3	12458	21890	1.39%	0.259%
6	2.635	147	150	160	rVB2	13129	26103	1.65%	0.309%
7	3.879	344	354	365	rBV	14891	45664	2.89%	0.541%
8	4.238	405	413	424	rVB5	5834	17403	1.10%	0.206%
9	4.622	466	476	489	rBV4	17481	60252	3.81%	0.714%
10	7.640	960	971	977	rBV	216474	521698	33.01%	6.181%
11	7.713	977	983	993	rVB	364439	807387	51.09%	9.566%
12	8.067	1030	1041	1057	rBV2	234652	571116	36.14%	6.767%
13	8.616	1122	1131	1144	rBV	604092	1163584	73.63%	13.787%
14	10.109	1368	1376	1384	rBV	927186	1580295	100.00%	18.724%
15	10.170	1384	1386	1399	rVB2	14022	23016	1.46%	0.273%
16	11.420	1583	1591	1603	rBV	740922	1204594	76.23%	14.272%
17	11.518	1603	1607	1612	rBV2	10353	16025	1.01%	0.190%
18	11.633	1620	1626	1633	rVB	27524	48005	3.04%	0.569%
19	11.963	1674	1680	1686	rBV6	11275	27747	1.76%	0.329%
20	12.255	1722	1728	1733	rBV	44823	70149	4.44%	0.831%
21	12.408	1746	1753	1764	rBV	464480	743357	47.04%	8.808%
22	12.597	1777	1784	1790	rBV2	6229	16526	1.05%	0.196%
23	12.694	1795	1800	1804	rVV	48601	74614	4.72%	0.884%
24	12.901	1827	1834	1842	rVB3	28131	60204	3.81%	0.713%
25	13.157	1870	1876	1882	rBV6	13858	32945	2.08%	0.390%
26	13.292	1895	1898	1901	rBV4	12842	18613	1.18%	0.221%
27	13.346	1901	1907	1916	rVB	437101	663717	42.00%	7.864%
28	13.548	1936	1940	1944	rVB	22015	29169	1.85%	0.346%
29	13.596	1944	1948	1955	rVB2	15486	29558	1.87%	0.350%
30	13.731	1964	1970	1979	rVB4	16786	41728	2.64%	0.494%
31	13.822	1979	1985	1989	rBV7	9879	20984	1.33%	0.249%
32	13.889	1990	1996	2001	rBV2	73874	117626	7.44%	1.394%
33	13.950	2001	2006	2010	rVV5	11810	19831	1.25%	0.235%
34	13.999	2010	2014	2019	rVB2	19545	27868	1.76%	0.330%
35	14.188	2040	2045	2053	rBV9	10200	26106	1.65%	0.309%
36	14.322	2061	2067	2074	rVB2	48254	84337	5.34%	0.999%

Sample Results: **VY022466.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052925\
Data File : VY022466.D
Acq On : 29 May 2025 14:46
Operator : SY/MD
Sample : Q2150-07
Misc : 7.53g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-51

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\82Y052725S.M
Title : SW846 8260

37	14.486	2089	2094	2098	rBV2	23096	38375	2.43%	0.455%
38	14.968	2168	2173	2179	rVB	55255	88770	5.62%	1.052%
39	15.072	2182	2190	2196	rBV4	11269	21487	1.36%	0.255%

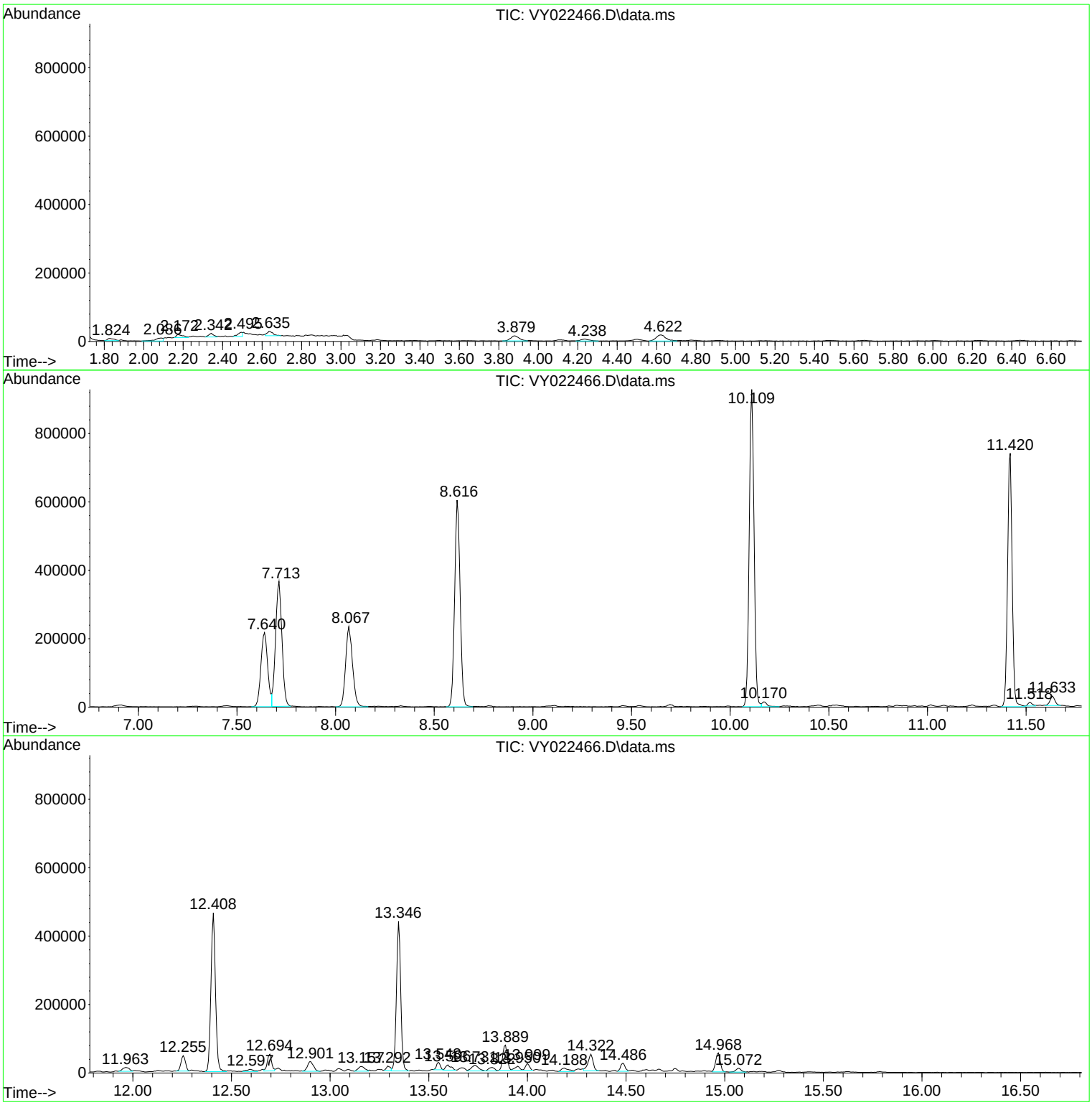
Sum of corrected areas: 8439972

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052925\
Data File : VY022466.D
Acq On : 29 May 2025 14:46
Operator : SY/MD
Sample : Q2150-07
Misc : 7.53g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-51

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052925\
Data File : VY022466.D
Acq On : 29 May 2025 14:46
Operator : SY/MD
Sample : Q2150-07
Misc : 7.53g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-51

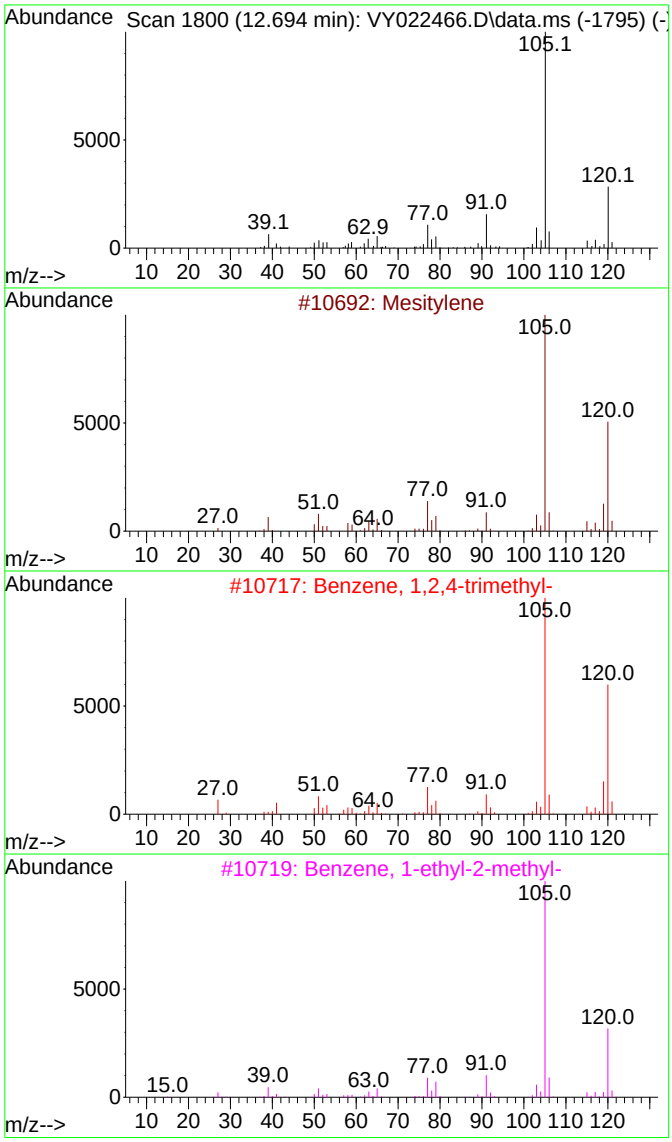
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260

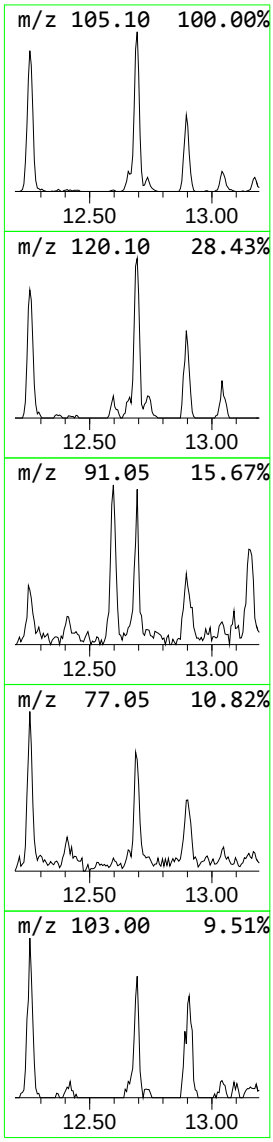
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Benzene, 1-ethyl-2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.694	5.62 ug/l	74614	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Mesitylene	120	C9H12	000108-67-8	91
2	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
3	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	91
4	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	87





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052925\
Data File : VY022466.D
Acq On : 29 May 2025 14:46
Operator : SY/MD
Sample : Q2150-07
Misc : 7.53g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-51

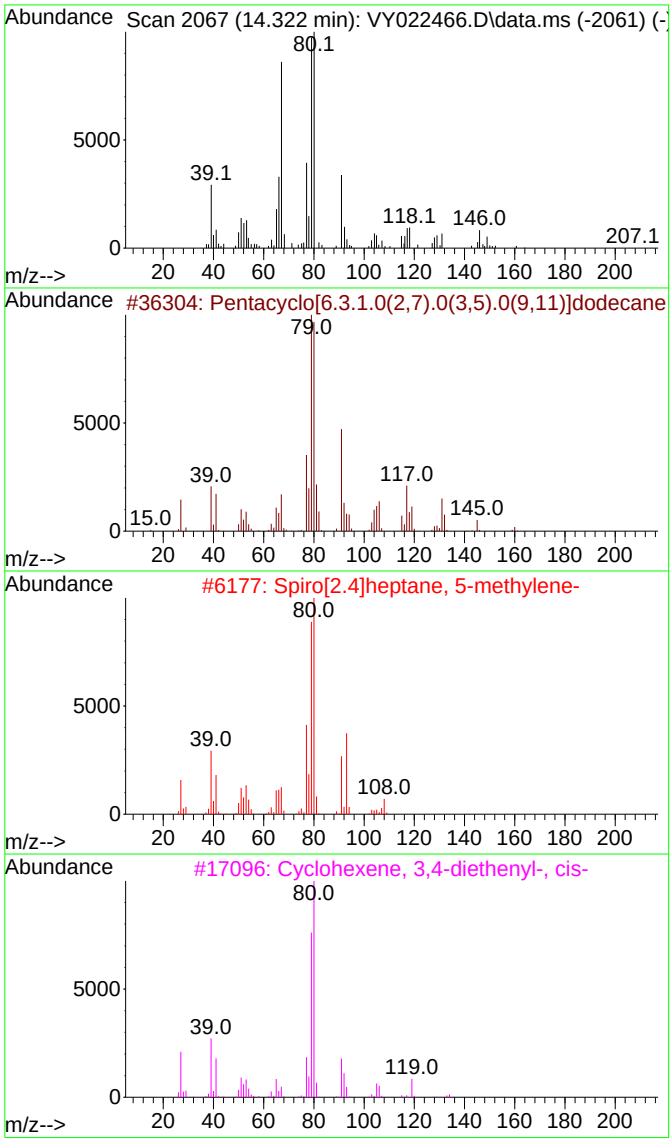
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260

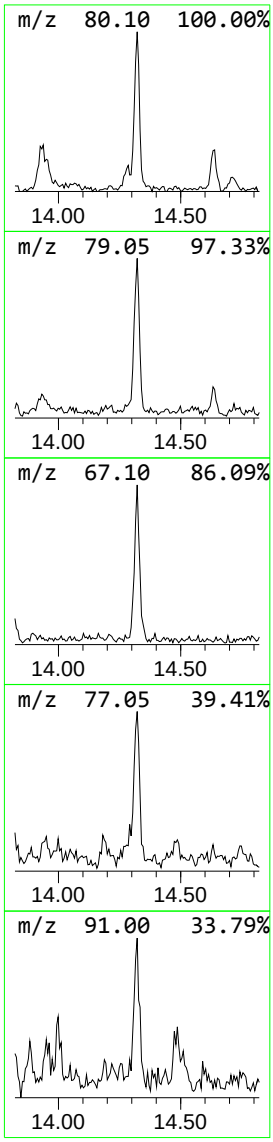
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Pentacyclo[6.3.1.0(2,7).0(3... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.322	6.35 ug/l	84337	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentacyclo[6.3.1.0(2,7).0(3,5).0...	160	C12H16	006049-82-7	70
2	Spiro[2.4]heptane, 5-methylene-	108	C8H12	037745-07-6	53
3	Cyclohexene, 3,4-diethenyl-, cis-	134	C10H14	061222-40-0	50
4	1,4-Cyclohexadiene	80	C6H8	000628-41-1	49
5	1-Hexen-3-yne	80	C6H8	013721-54-5	47





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052925\
Data File : VY022466.D
Acq On : 29 May 2025 14:46
Operator : SY/MD
Sample : Q2150-07
Misc : 7.53g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-51

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260

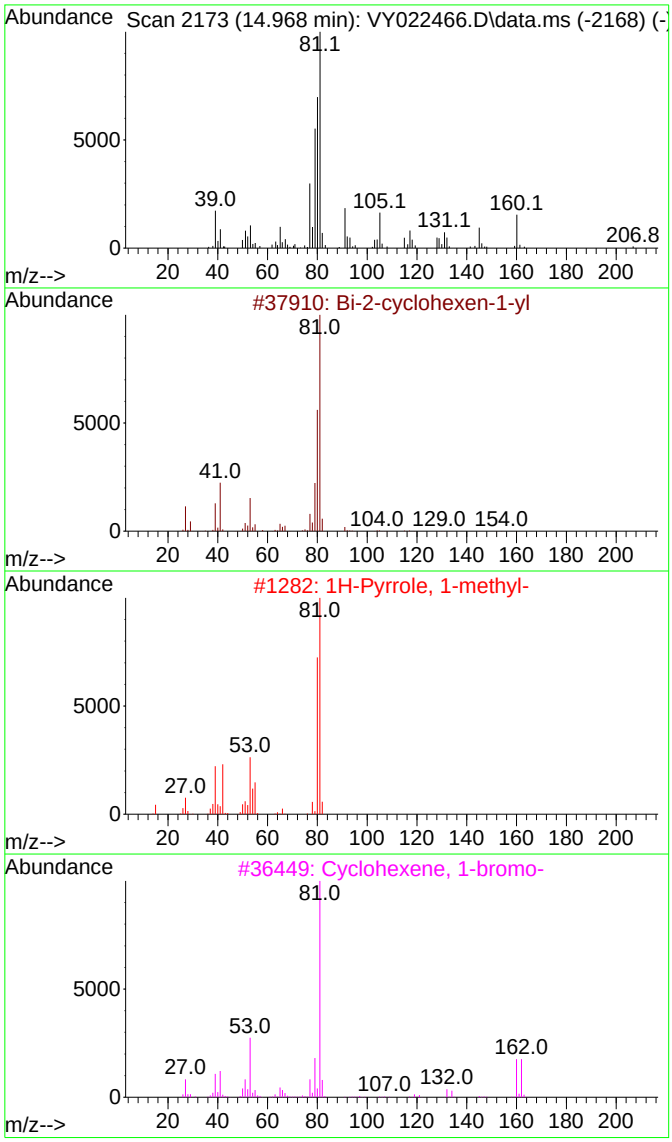
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

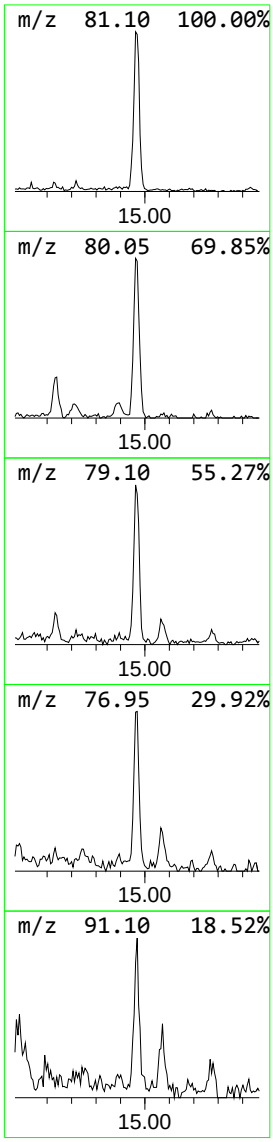
****

Peak Number 4 Bi-2-cyclohexen-1-yl Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.968	6.69 ug/l	88770	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bi-2-cyclohexen-1-yl	162	C12H18	001541-20-4	50
2	1H-Pyrrole, 1-methyl-	81	C5H7N	000096-54-8	43
3	Cyclohexene, 1-bromo-	160	C6H9Br	002044-08-8	38
4	Cyclobutane, 1,2-bis(1,3-butadie...	160	C12H16	080344-53-2	38
5	Pentacyclo[6.3.1.0(2,7).0(3,5).0...	160	C12H16	006049-82-7	35





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052925\
Data File : VY022466.D
Acq On : 29 May 2025 14:46
Operator : SY/MD
Sample : Q2150-07
Misc : 7.53g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-51

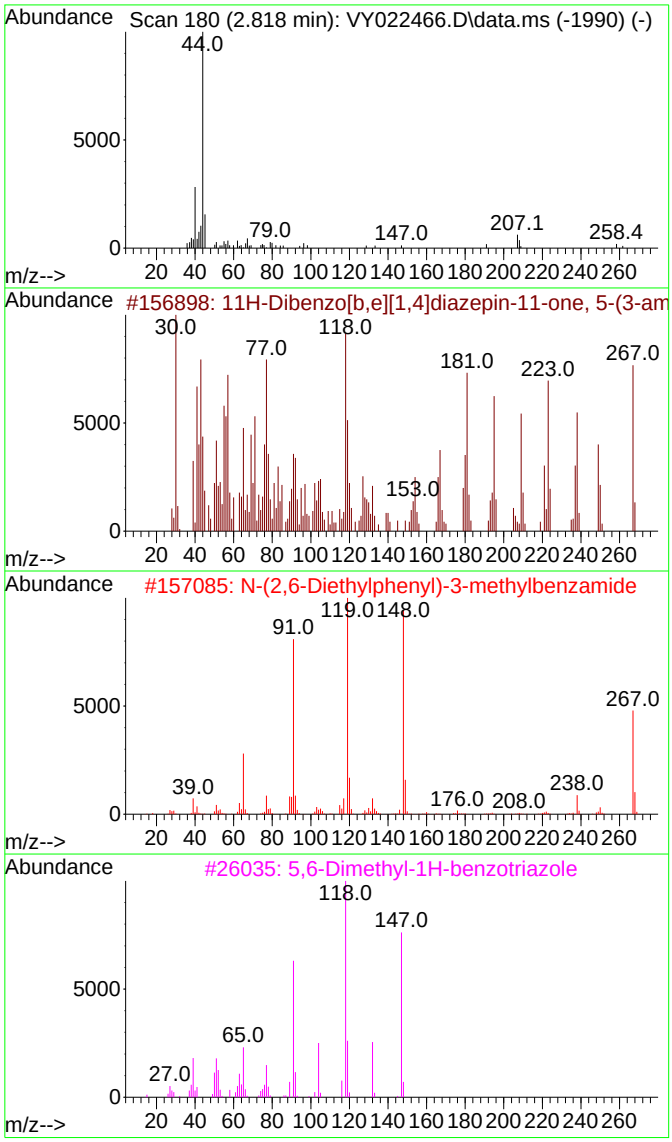
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260

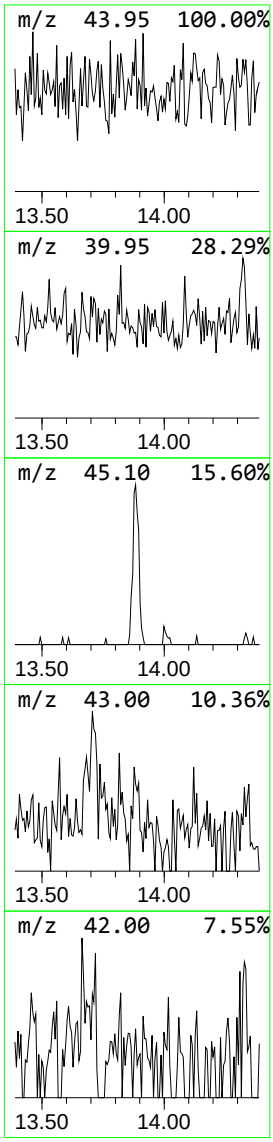
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 11H-Dibenzo[b,e][1,4]diazep... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.889	8.86 ug/l	117626	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Dibenzo[b,e][1,4]diazepin-11...	267	C16H17N3O	013450-73-2	99
2	N-(2,6-Diethylphenyl)-3-methylbe...	267	C18H21NO	294851-82-4	27
3	5,6-Dimethyl-1H-benzotriazole	147	C8H9N3	004184-79-6	22
4	Benzamide, 4-methyl-N-[3-(4-hydr...	373	C22H19N3O3	1000295-49-3	14
5	Ethandial, bis(phenylhydrazone)	238	C14H14N4	001534-21-0	12





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052925\
Data File : VY022466.D
Acq On : 29 May 2025 14:46
Operator : SY/MD
Sample : Q2150-07
Misc : 7.53g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-51

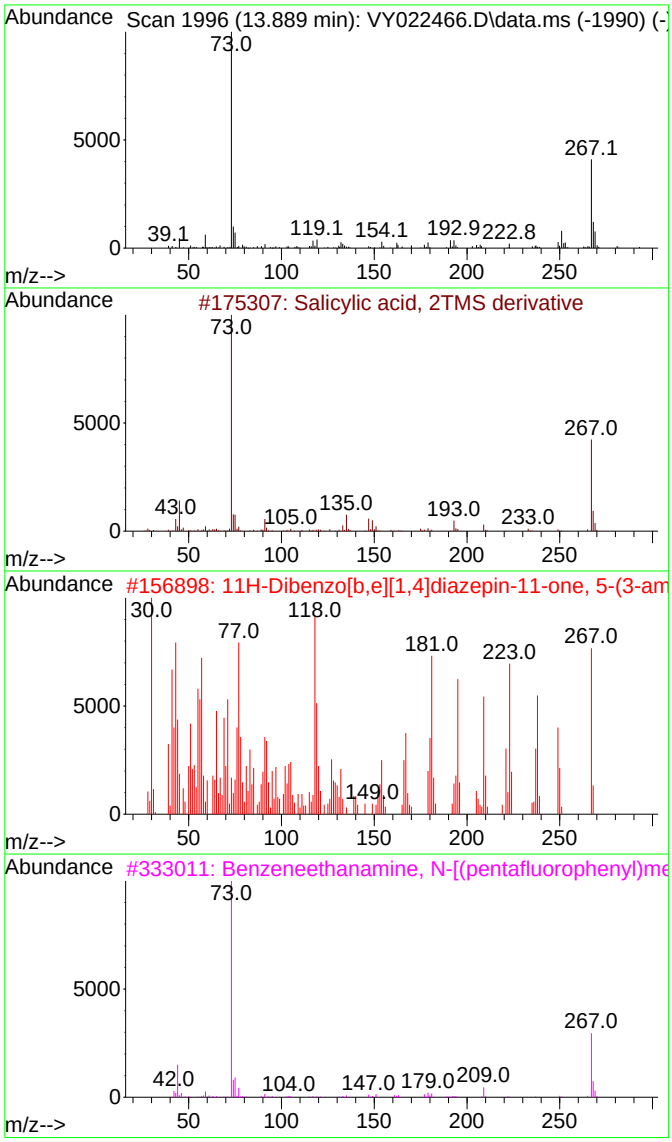
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260

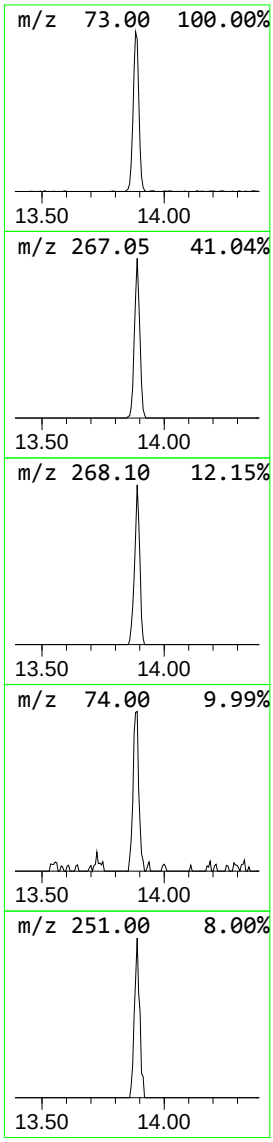
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Salicylic acid, 2TMS deriva... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.889	8.86 ug/l	117626	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Salicylic acid, 2TMS derivative	282	C13H22O3Si2	003789-85-3	64
2	11H-Dibenzo[b,e][1,4]diazepin-11...	267	C16H17N3O	013450-73-2	60
3	Benzeneethanamine, N-[(pentafluo...	475	C21H26F5NO2Si2	055429-85-1	50
4	Acridone, TMS derivative	267	C16H17NOSi	1000478-16-0	45
5	5-(4-Fluorophenyl)-1,3-oxazole-2...	267	C12H14FNOSSi	1000497-07-6	45





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052925\
Data File : VY022466.D
Acq On : 29 May 2025 14:46
Operator : SY/MD
Sample : Q2150-07
Misc : 7.53g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-51

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.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
Benzene, 1-ethy...	12.694	5.6	ug/l	74614	4	13.346	663717	50.0
Pentacyclo[6.3....	14.322	6.3	ug/l	84337	4	13.346	663717	50.0
Bi-2-cyclohexen...	14.968	6.7	ug/l	88770	4	13.346	663717	50.0
11H-Dibenzo[b,e...	13.889	8.9	ug/l	117626	4	13.346	663717	50.0
Salicylic acid,...	13.889	8.9	ug/l	117626	4	13.346	663717	50.0

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052925\
Data File : VY022467.D
Acq On : 29 May 2025 15:09
Operator : SY/MD
Sample : Q2150-08
Misc : 5.75g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-52

Quant Time: May 30 05:35:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260
QLast Update : Wed May 28 10:34:06 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	286667	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.621	114	522350	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	404746	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	132959	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	156210	51.734	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.460%			
35) Dibromofluoromethane	7.640	113	156902	51.291	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.580%			
50) Toluene-d8	10.109	98	623120	49.968	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.940%			
62) 4-Bromofluorobenzene	12.407	95	146524	38.844	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 77.680%			

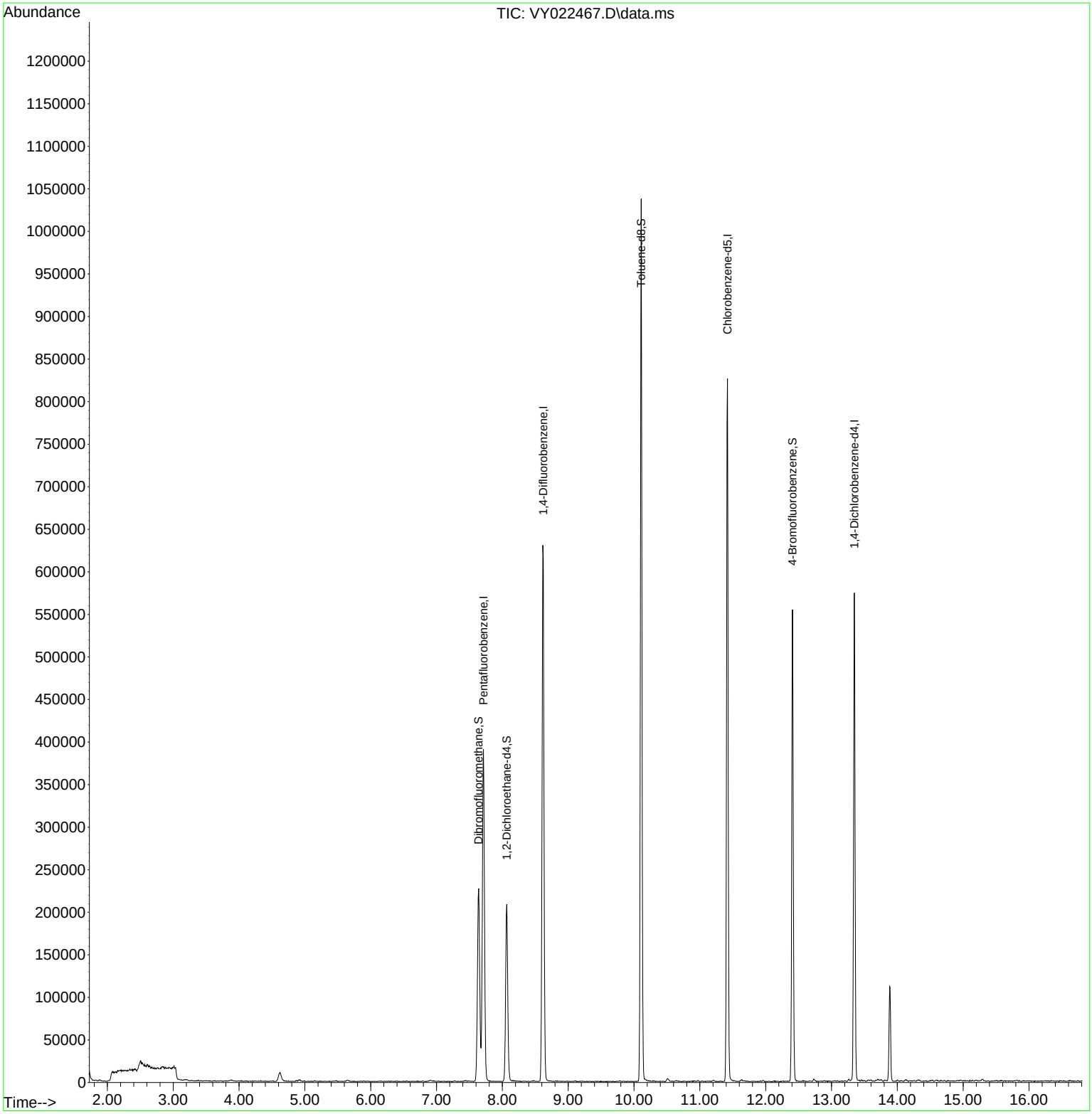
Target Compounds Qvalue

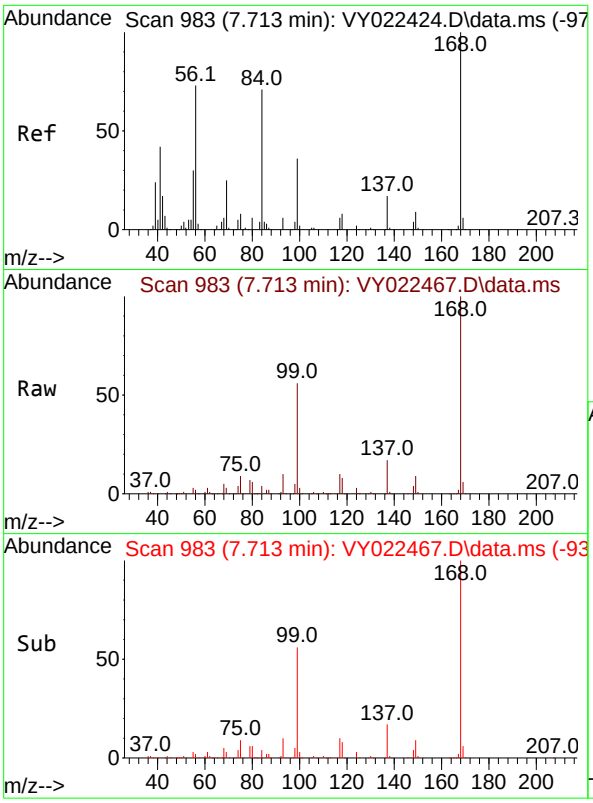
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052925\
Data File : VY022467.D
Acq On : 29 May 2025 15:09
Operator : SY/MD
Sample : Q2150-08
Misc : 5.75g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-52

Quant Time: May 30 05:35:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260
QLast Update : Wed May 28 10:34:06 2025
Response via : Initial Calibration



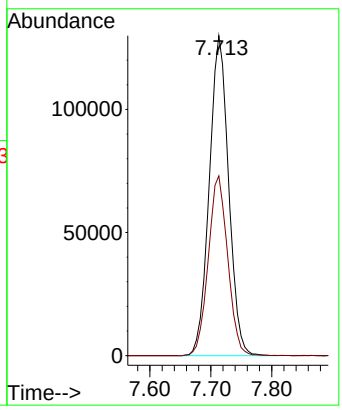


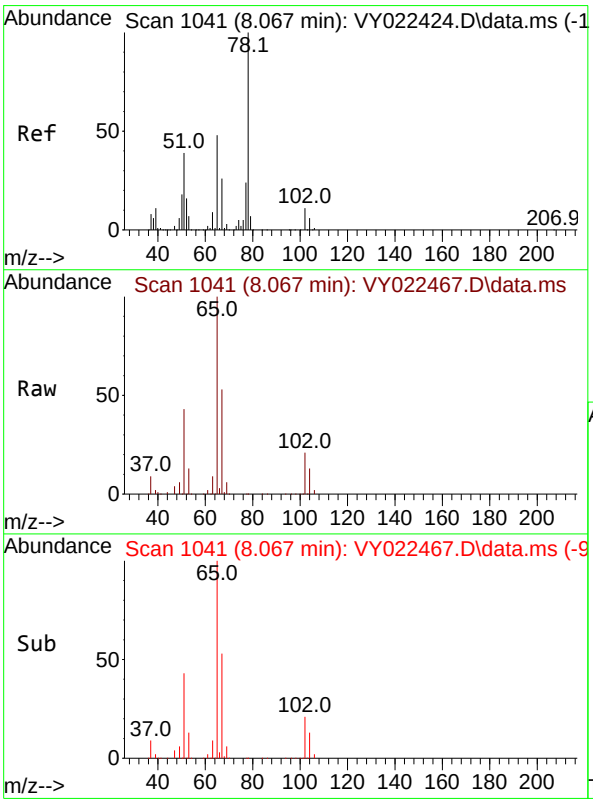
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022467.D
Acq: 29 May 2025 15:09

Instrument :
MSVOA_Y
ClientSampleId :
TP-52

Tgt Ion:168 Resp: 286667

Ion	Ratio	Lower	Upper
168	100		
99	56.2	44.7	67.1

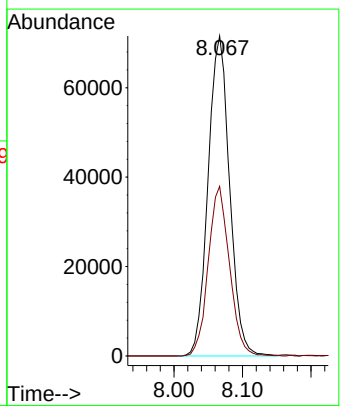


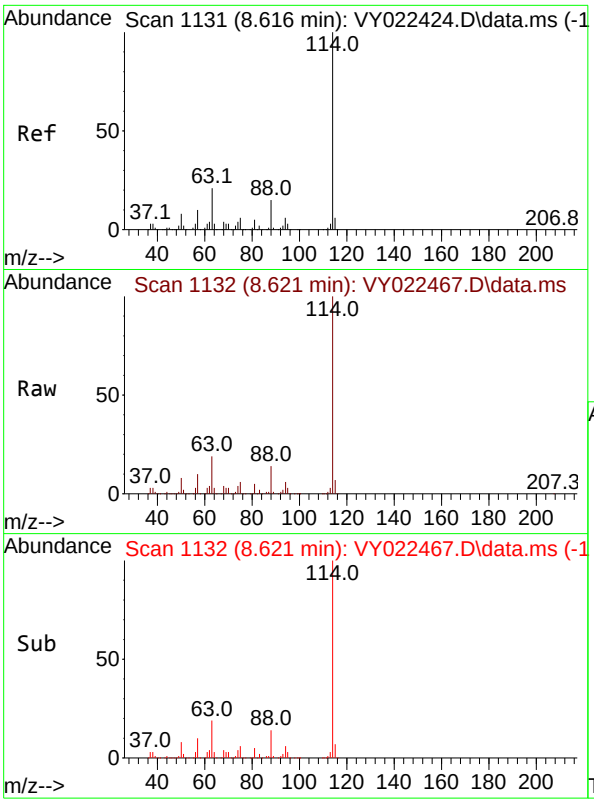


#33
1,2-Dichloroethane-d4
Concen: 51.734 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. -0.000 min
Lab File: VY022467.D
Acq: 29 May 2025 15:09

Tgt Ion: 65 Resp: 156210

Ion	Ratio	Lower	Upper
65	100		
67	52.3	0.0	104.4



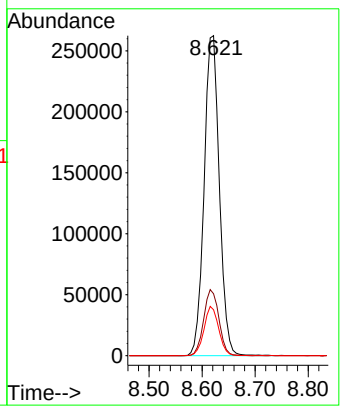


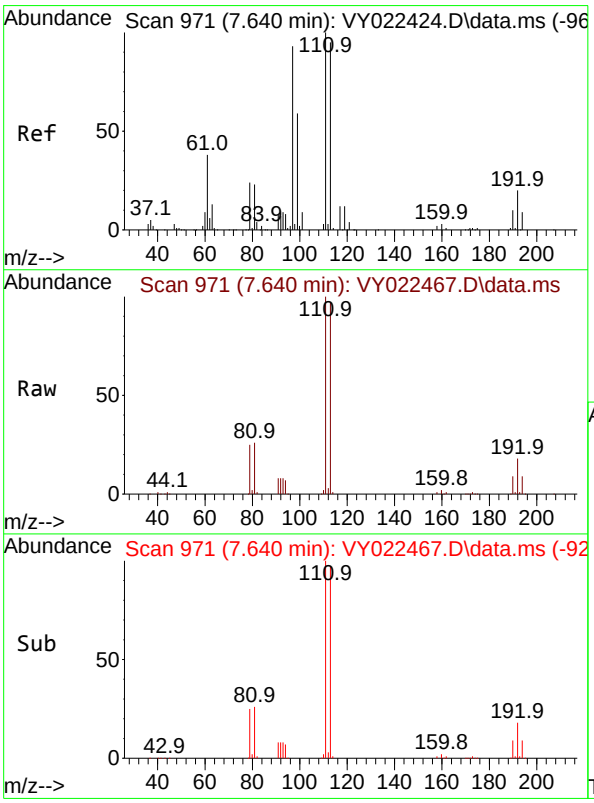
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.621 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY022467.D
Acq: 29 May 2025 15:09

Instrument :
MSVOA_Y
ClientSampleId :
TP-52

Tgt Ion:114 Resp: 522350

Ion	Ratio	Lower	Upper
114	100		
63	19.3	0.0	42.6
88	14.3	0.0	29.4

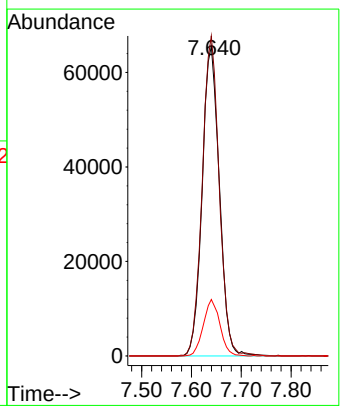


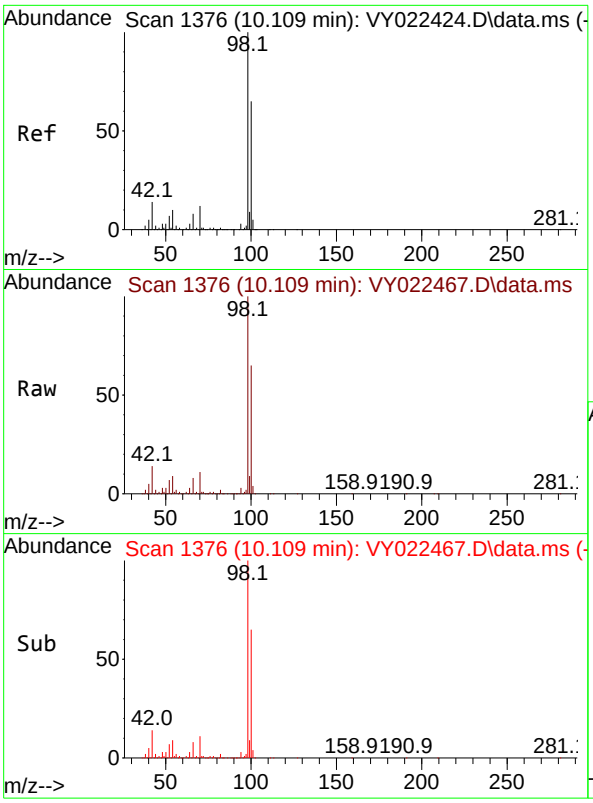


#35
Dibromofluoromethane
Concen: 51.291 ug/l
RT: 7.640 min Scan# 971
Delta R.T. -0.000 min
Lab File: VY022467.D
Acq: 29 May 2025 15:09

Tgt Ion:113 Resp: 156902

Ion	Ratio	Lower	Upper
113	100		
111	102.4	82.4	123.6
192	17.6	15.2	22.8



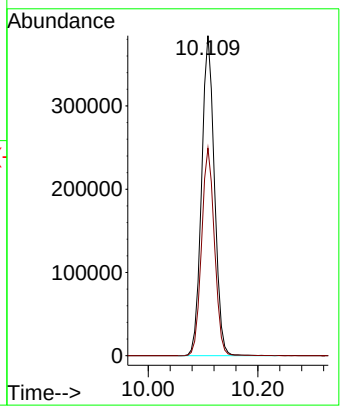


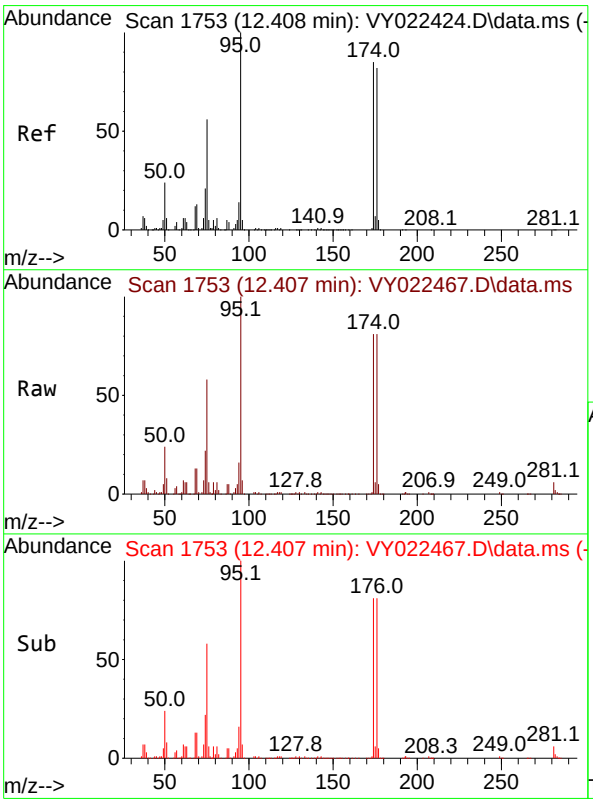
#50
Toluene-d8
Concen: 49.968 ug/l
RT: 10.109 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022467.D
Acq: 29 May 2025 15:09

Instrument :
MSVOA_Y
ClientSampleId :
TP-52

Tgt Ion: 98 Resp: 623120

Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.2	78.2

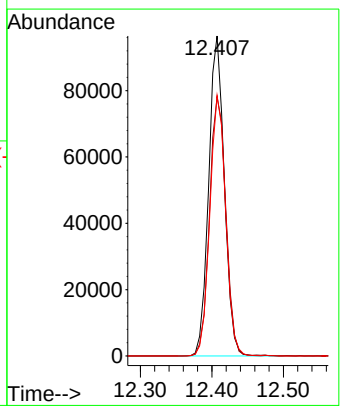


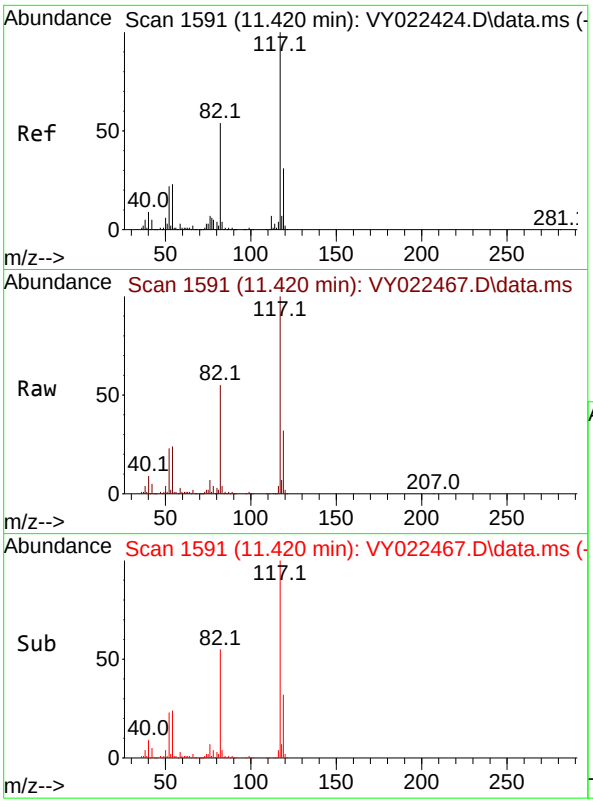


#62
4-Bromofluorobenzene
Concen: 38.844 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022467.D
Acq: 29 May 2025 15:09

Tgt Ion: 95 Resp: 146524

Ion	Ratio	Lower	Upper
95	100		
174	84.7	0.0	171.6
176	82.3	0.0	164.6



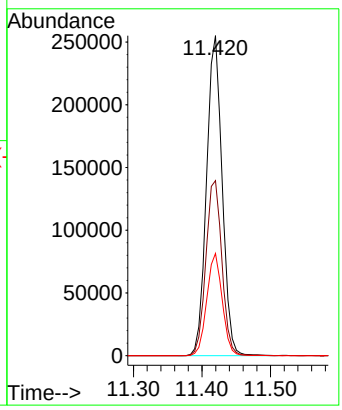


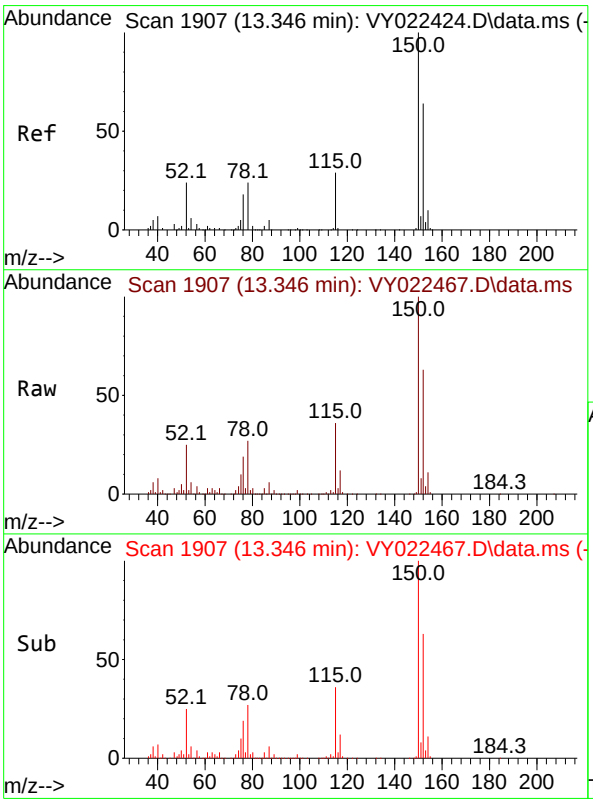
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022467.D
Acq: 29 May 2025 15:09

Instrument :
MSVOA_Y
ClientSampleId :
TP-52

Tgt Ion:117 Resp: 404746

Ion	Ratio	Lower	Upper
117	100		
82	54.7	43.3	64.9
119	32.0	24.5	36.7

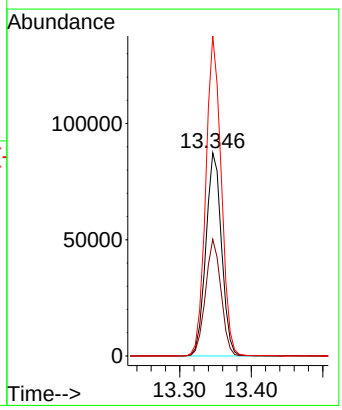




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022467.D
Acq: 29 May 2025 15:09

Tgt Ion:152 Resp: 132959

Ion	Ratio	Lower	Upper
152	100		
115	57.0	28.4	85.3
150	155.0	0.0	345.8



Sample Results: **VY022467.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052925\
Data File : VY022467.D
Acq On : 29 May 2025 15:09
Operator : SY/MD
Sample : Q2150-08
Misc : 5.75g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-52

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\82Y052725S.M
Title : SW846 8260

Signal : TIC: VY022467.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	46	58	59	rBV2	11033	21503	1.26%	0.263%
2	4.622	465	476	486	rBV4	10590	33239	1.95%	0.407%
3	7.640	958	971	977	rBV	226698	546515	32.03%	6.686%
4	7.713	977	983	997	rVB	390217	871902	51.10%	10.667%
5	8.067	1031	1041	1054	rBV	208308	464371	27.22%	5.681%
6	8.615	1123	1131	1146	rVB	629580	1246939	73.09%	15.255%
7	10.109	1368	1376	1393	rBV	1037017	1706125	100.00%	20.873%
8	11.420	1582	1591	1603	rBV	825993	1336911	78.36%	16.356%
9	12.407	1746	1753	1763	rVB2	554249	888237	52.06%	10.867%
10	13.346	1897	1907	1917	rBV	573216	872436	51.14%	10.673%
11	13.883	1988	1995	2006	rVB2	111580	185841	10.89%	2.274%

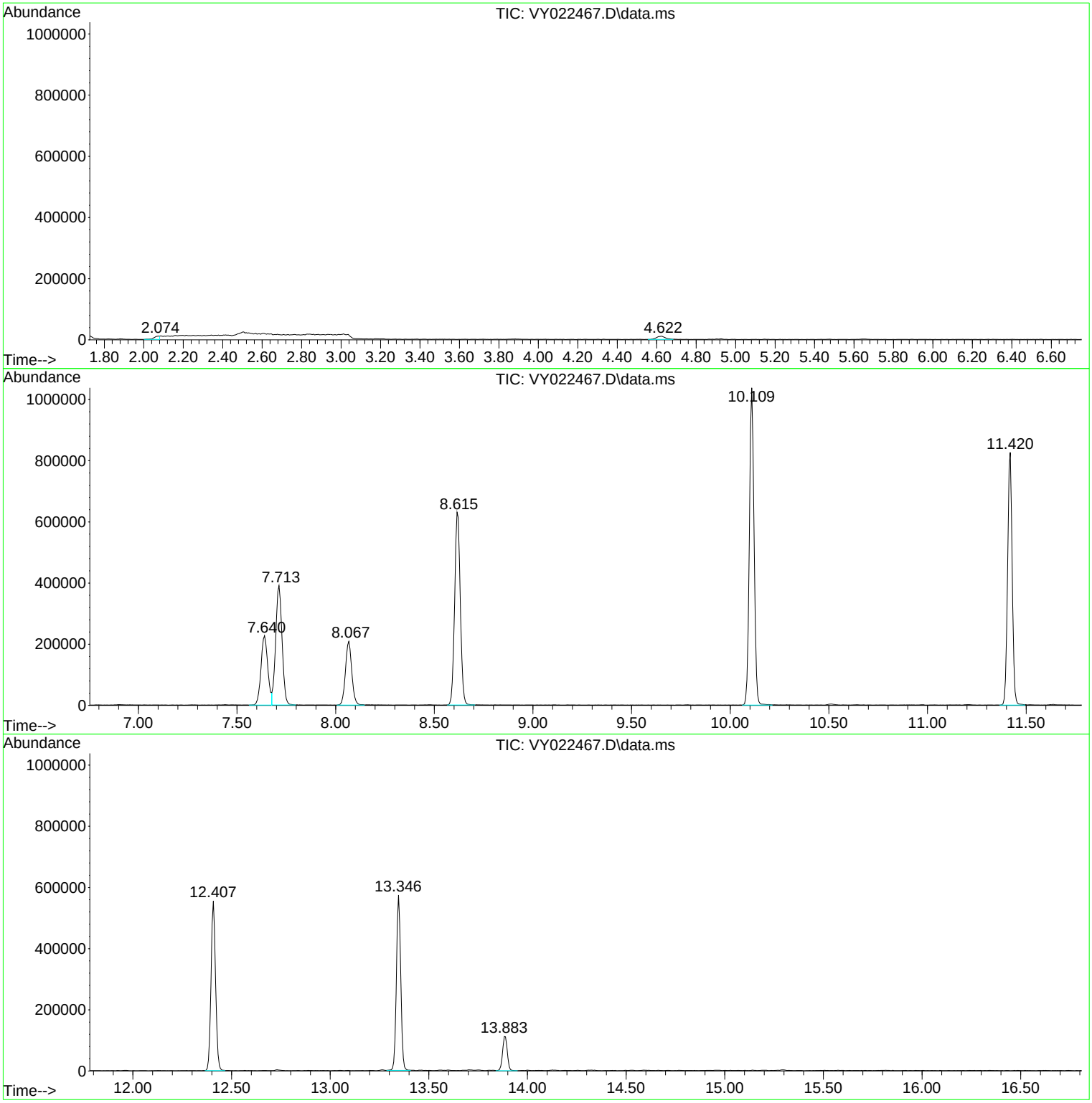
Sum of corrected areas: 8174019

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052925\
Data File : VY022467.D
Acq On : 29 May 2025 15:09
Operator : SY/MD
Sample : Q2150-08
Misc : 5.75g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-52

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052925\
Data File : VY022467.D
Acq On : 29 May 2025 15:09
Operator : SY/MD
Sample : Q2150-08
Misc : 5.75g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-52

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.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\VY052925\
Data File : VY022467.D
Acq On : 29 May 2025 15:09
Operator : SY/MD
Sample : Q2150-08
Misc : 5.75g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-52

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.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\VY052925\
Data File : VY022468.D
Acq On : 29 May 2025 15:33
Operator : SY/MD
Sample : Q2150-09
Misc : 7.85g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-54

Quant Time: May 30 05:36:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260
QLast Update : Wed May 28 10:34:06 2025
Response via : Initial Calibration

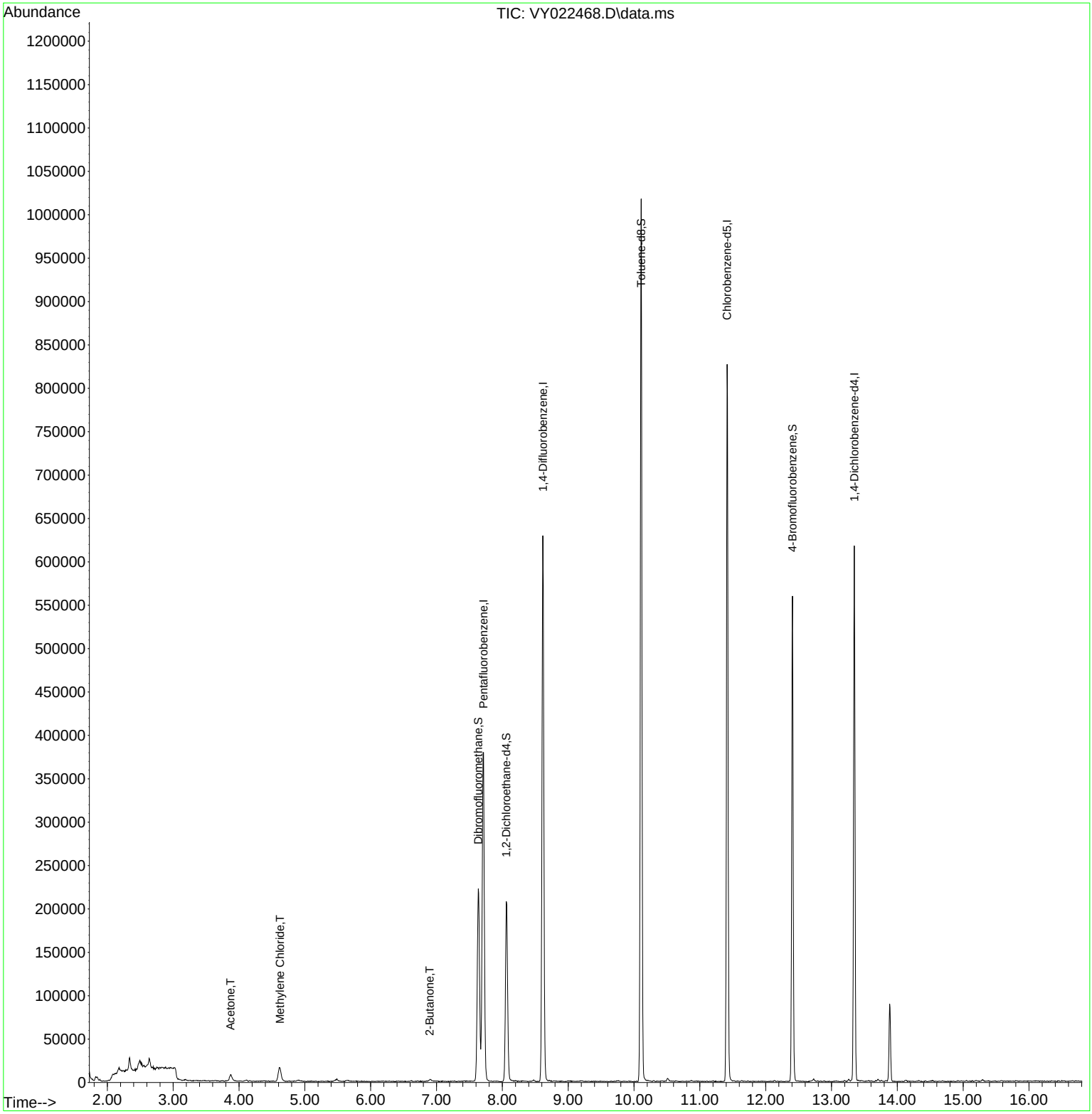
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	283443	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	517546	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	406523	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	140553	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	156979	52.580	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.160%			
35) Dibromofluoromethane	7.634	113	153619	50.684	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.360%			
50) Toluene-d8	10.109	98	623100	50.430	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.860%			
62) 4-Bromofluorobenzene	12.408	95	148270	39.672	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 79.340%			
Target Compounds						Qvalue
16) Acetone	3.873	43	14067	28.673	ug/l	93
20) Methylene Chloride	4.623	84	11504	3.321	ug/l	97
25) 2-Butanone	6.897	43	3275	4.008	ug/l	99

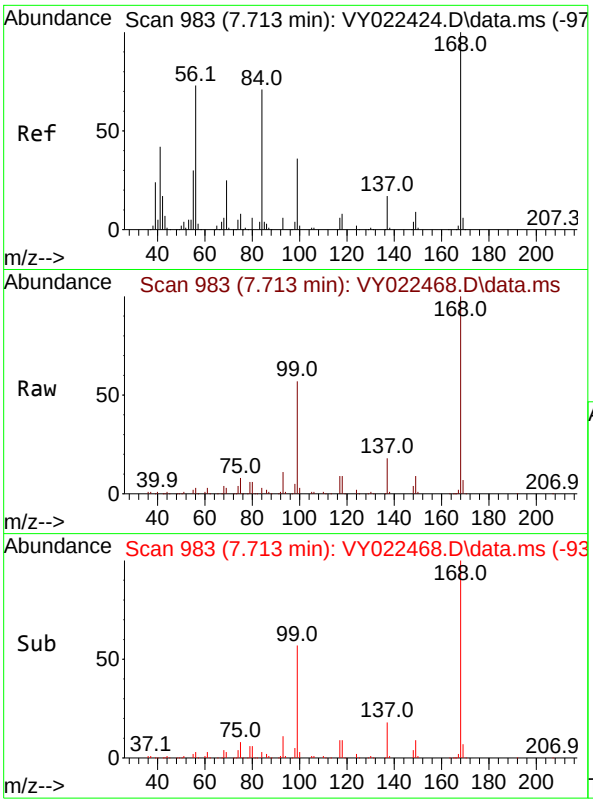
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052925\
Data File : VY022468.D
Acq On : 29 May 2025 15:33
Operator : SY/MD
Sample : Q2150-09
Misc : 7.85g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-54

Quant Time: May 30 05:36:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260
QLast Update : Wed May 28 10:34:06 2025
Response via : Initial Calibration



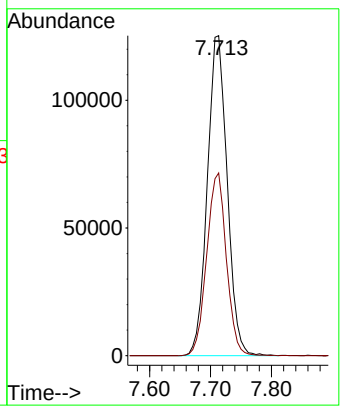


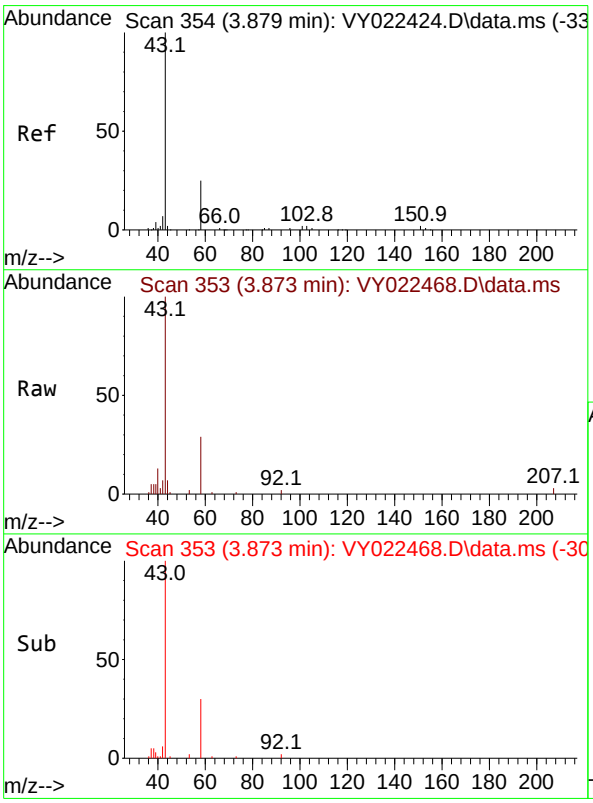
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022468.D
Acq: 29 May 2025 15:33

Instrument :
MSVOA_Y
ClientSampleId :
TP-54

Tgt Ion:168 Resp: 283443

Ion	Ratio	Lower	Upper
168	100		
99	57.1	44.7	67.1

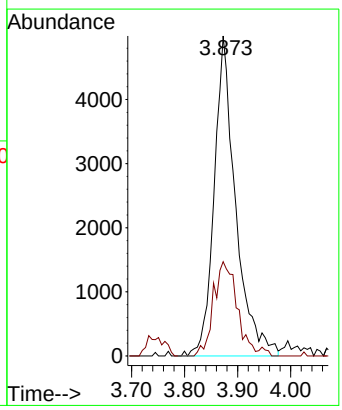


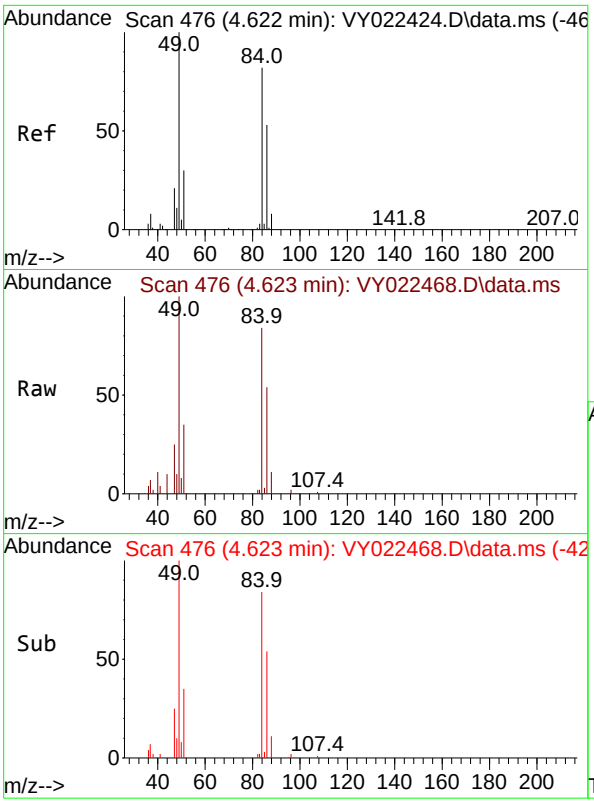


#16
Acetone
Concen: 28.673 ug/l
RT: 3.873 min Scan# 353
Delta R.T. -0.006 min
Lab File: VY022468.D
Acq: 29 May 2025 15:33

Tgt Ion: 43 Resp: 14067

Ion	Ratio	Lower	Upper
43	100		
58	29.4	20.6	30.8



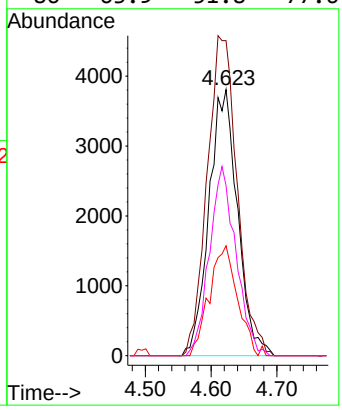


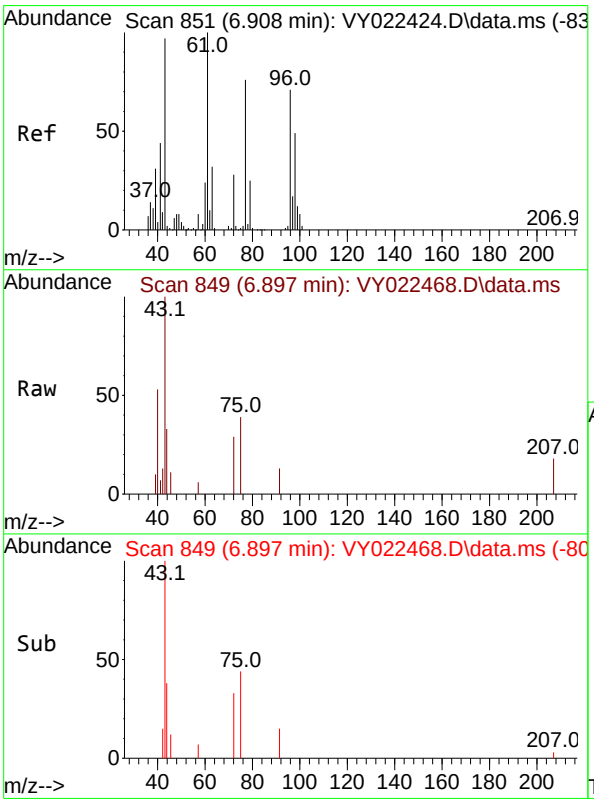
#20
Methylene Chloride
Concen: 3.321 ug/l
RT: 4.623 min Scan# 4
Delta R.T. 0.000 min
Lab File: VY022468.D
Acq: 29 May 2025 15:33

Instrument :
MSVOA_Y
ClientSampleId :
TP-54

Tgt Ion: 84 Resp: 11504

Ion	Ratio	Lower	Upper
84	100		
49	118.4	97.8	146.8
51	41.3	29.5	44.3
86	63.9	51.8	77.6

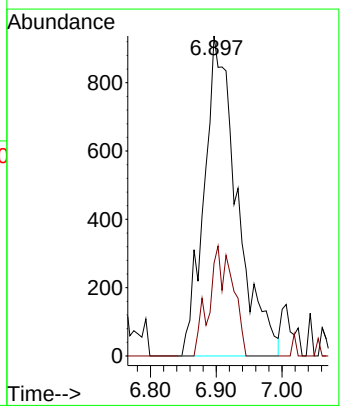


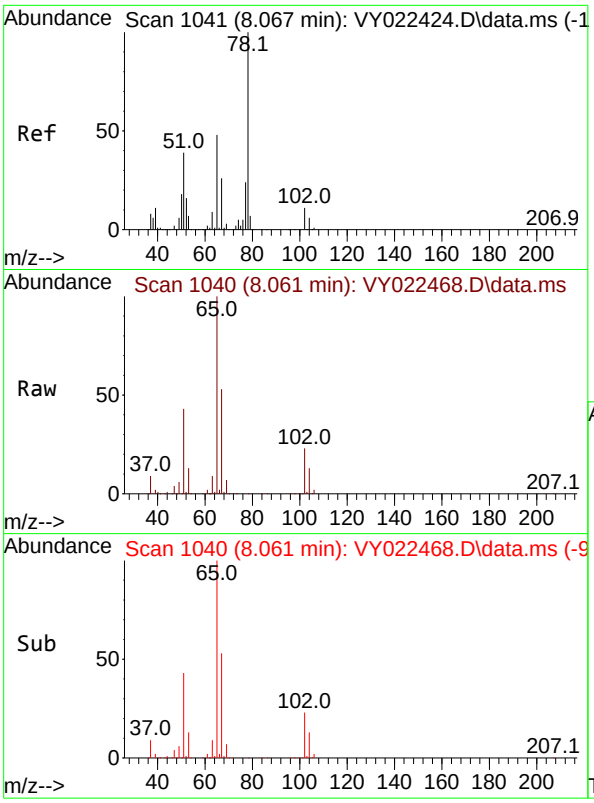


#25
2-Butanone
Concen: 4.008 ug/l
RT: 6.897 min Scan# 849
Delta R.T. -0.012 min
Lab File: VY022468.D
Acq: 29 May 2025 15:33

Tgt Ion: 43 Resp: 3275

Ion	Ratio	Lower	Upper
43	100		
72	29.0	22.8	34.2



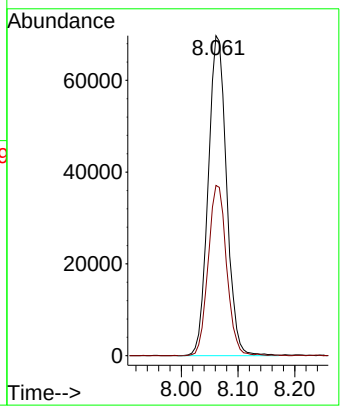


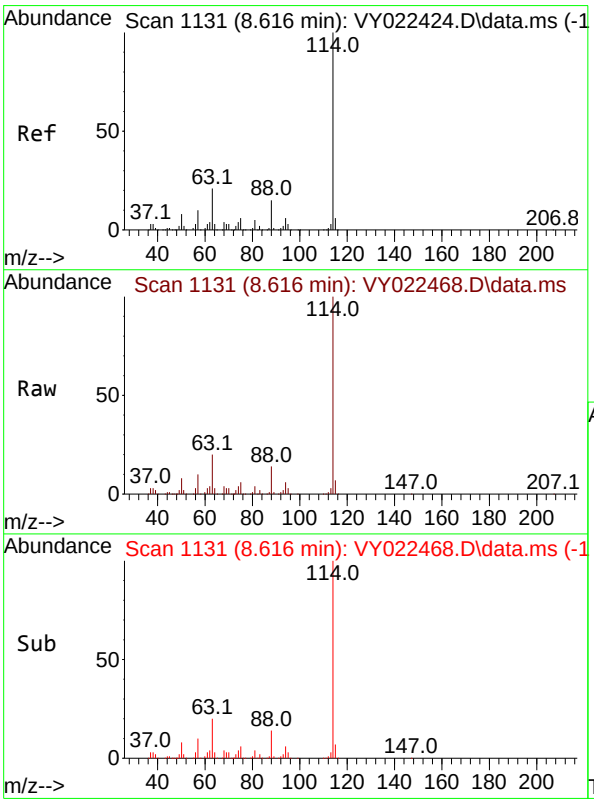
#33
1,2-Dichloroethane-d4
Concen: 52.580 ug/l
RT: 8.061 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022468.D
Acq: 29 May 2025 15:33

Instrument :
MSVOA_Y
ClientSampleId :
TP-54

Tgt Ion: 65 Resp: 156979

Ion	Ratio	Lower	Upper
65	100		
67	53.5	0.0	104.4

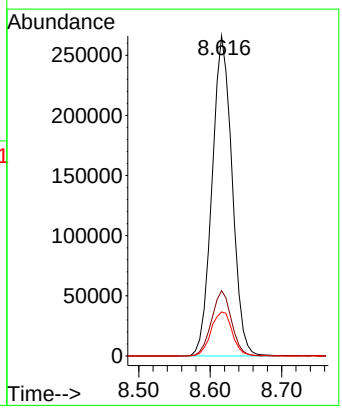




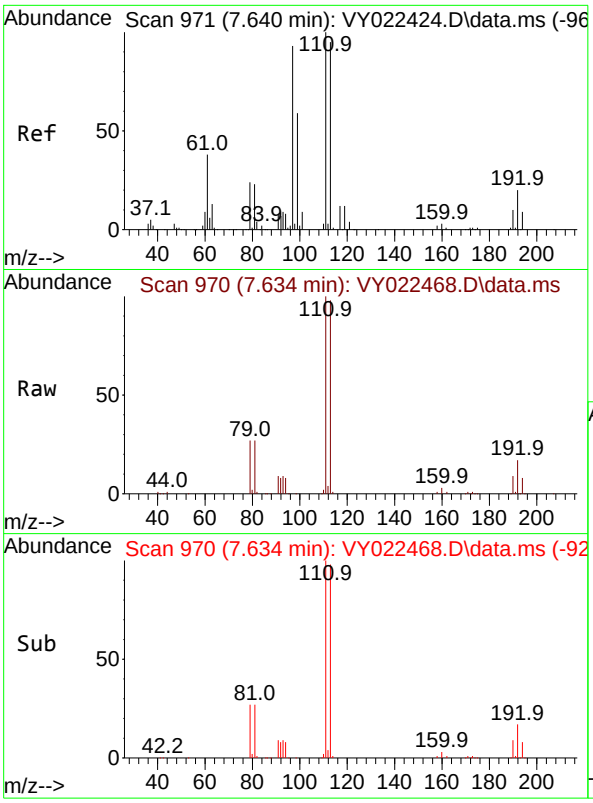
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY022468.D
Acq: 29 May 2025 15:33

Tgt Ion:114 Resp: 517546

Ion	Ratio	Lower	Upper
114	100		
63	20.4	0.0	42.6
88	13.8	0.0	29.4



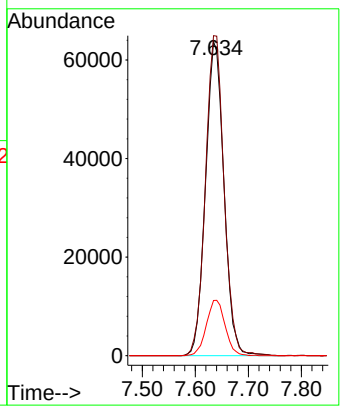
Instrument :
MSVOA_Y
ClientSampleId :
TP-54

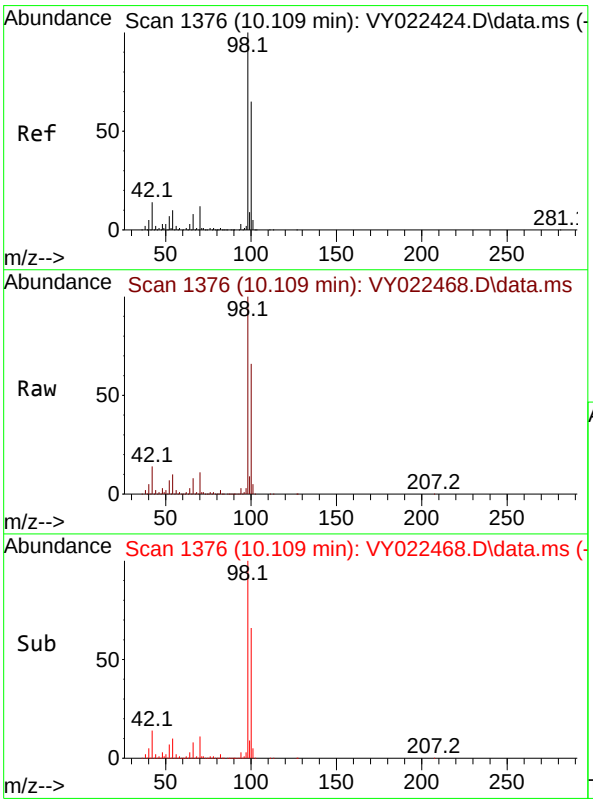


#35
Dibromofluoromethane
Concen: 50.684 ug/l
RT: 7.634 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022468.D
Acq: 29 May 2025 15:33

Tgt Ion:113 Resp: 153619

Ion	Ratio	Lower	Upper
113	100		
111	103.0	82.4	123.6
192	18.0	15.2	22.8

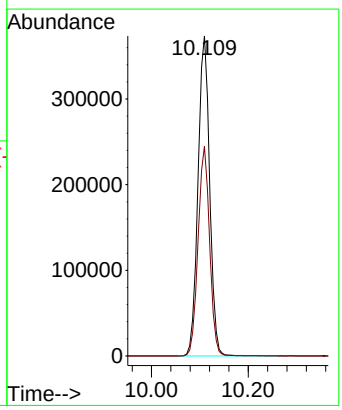


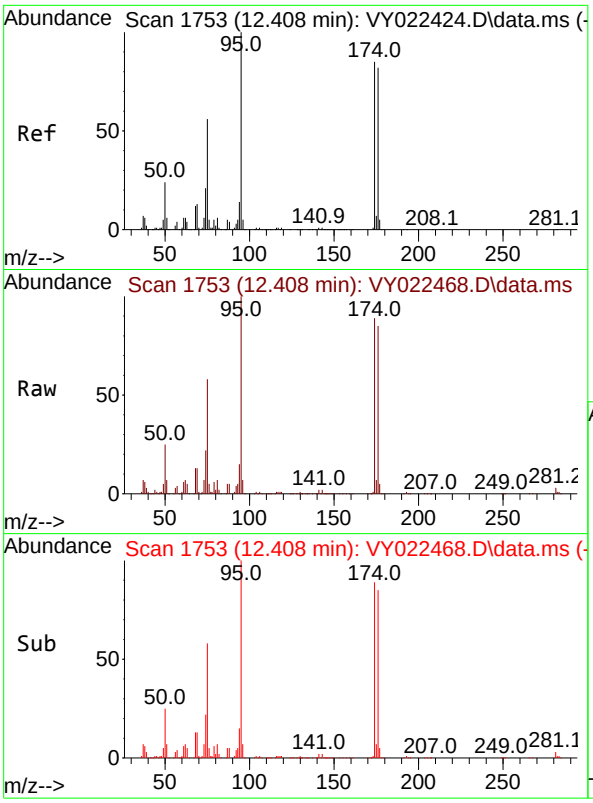


#50
Toluene-d8
Concen: 50.430 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY022468.D
Acq: 29 May 2025 15:33

Tgt Ion: 98 Resp: 623100

Ion	Ratio	Lower	Upper
98	100		
100	64.8	52.2	78.2



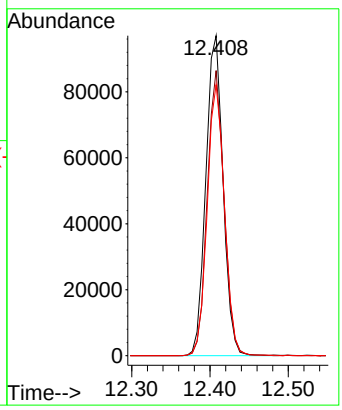


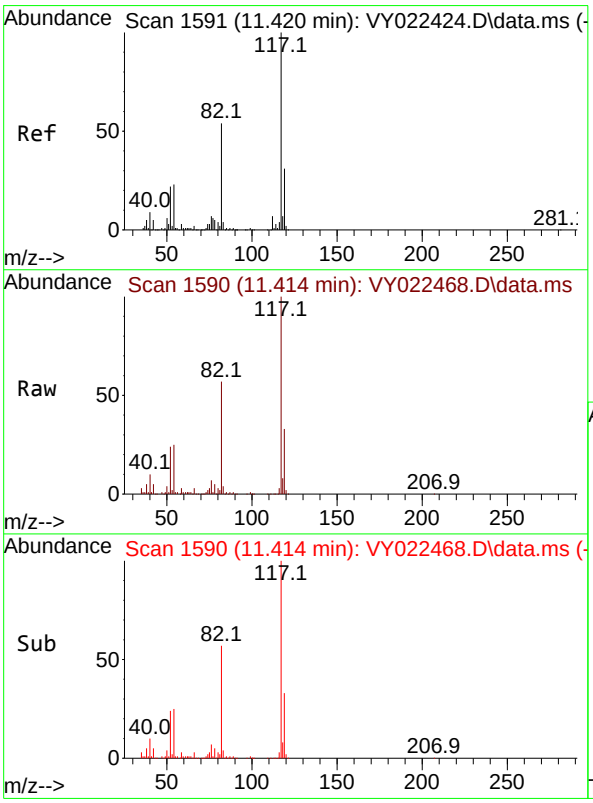
#62
4-Bromofluorobenzene
Concen: 39.672 ug/l
RT: 12.408 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022468.D
Acq: 29 May 2025 15:33

Instrument :
MSVOA_Y
ClientSampleId :
TP-54

Tgt Ion: 95 Resp: 148270

Ion	Ratio	Lower	Upper
95	100		
174	86.9	0.0	171.6
176	84.8	0.0	164.6

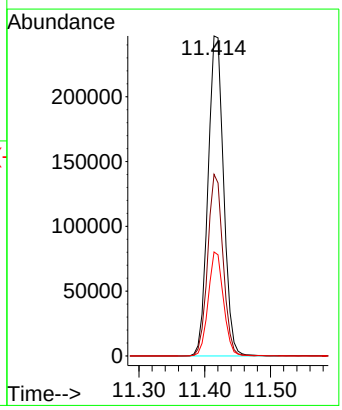


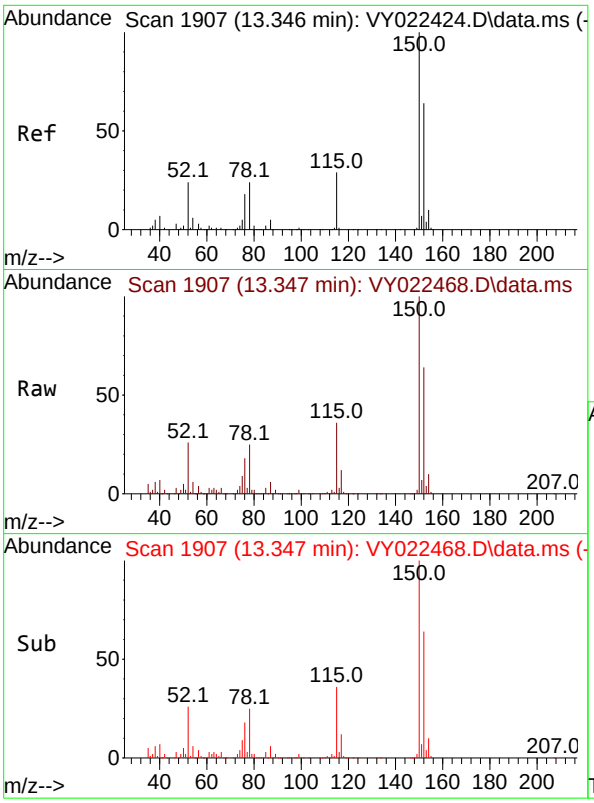


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY022468.D
Acq: 29 May 2025 15:33

Tgt Ion:117 Resp: 406523

Ion	Ratio	Lower	Upper
117	100		
82	56.8	43.3	64.9
119	32.5	24.5	36.7



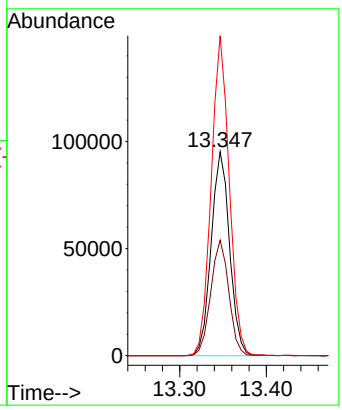


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022468.D
Acq: 29 May 2025 15:33

Instrument :
MSVOA_Y
ClientSampleId :
TP-54

Tgt Ion:152 Resp: 140553

Ion	Ratio	Lower	Upper
152	100		
115	55.7	28.4	85.3
150	153.6	0.0	345.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052925\
Data File : VY022468.D
Acq On : 29 May 2025 15:33
Operator : SY/MD
Sample : Q2150-09
Misc : 7.85g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-54

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\82Y052725S.M
Title : SW846 8260

Signal : TIC: VY022468.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	62	rBV3	7346	17459	1.02%	0.212%
2	2.336	97	101	109	rVB2	14411	25455	1.49%	0.309%
3	2.495	120	127	128	rBV4	10455	20234	1.19%	0.246%
4	2.635	147	150	156	rVB2	10959	18554	1.09%	0.225%
5	3.873	344	353	363	rBV	7450	20378	1.20%	0.247%
6	4.616	466	475	488	rBV2	15927	50447	2.96%	0.612%
7	7.634	960	970	976	rBV	221579	530494	31.13%	6.437%
8	7.707	976	982	1000	rVB	378910	876096	51.40%	10.631%
9	8.061	1029	1040	1057	rBV	207453	467480	27.43%	5.672%
10	8.616	1123	1131	1144	rBV	628700	1239953	72.75%	15.046%
11	10.109	1368	1376	1387	rBV	1017394	1704325	100.00%	20.680%
12	11.414	1583	1590	1603	rBV	826057	1335774	78.38%	16.208%
13	12.408	1746	1753	1764	rBV	559215	874702	51.32%	10.614%
14	13.347	1897	1907	1916	rBV	617014	915773	53.73%	11.112%
15	13.883	1989	1995	2002	rVB2	89060	144169	8.46%	1.749%

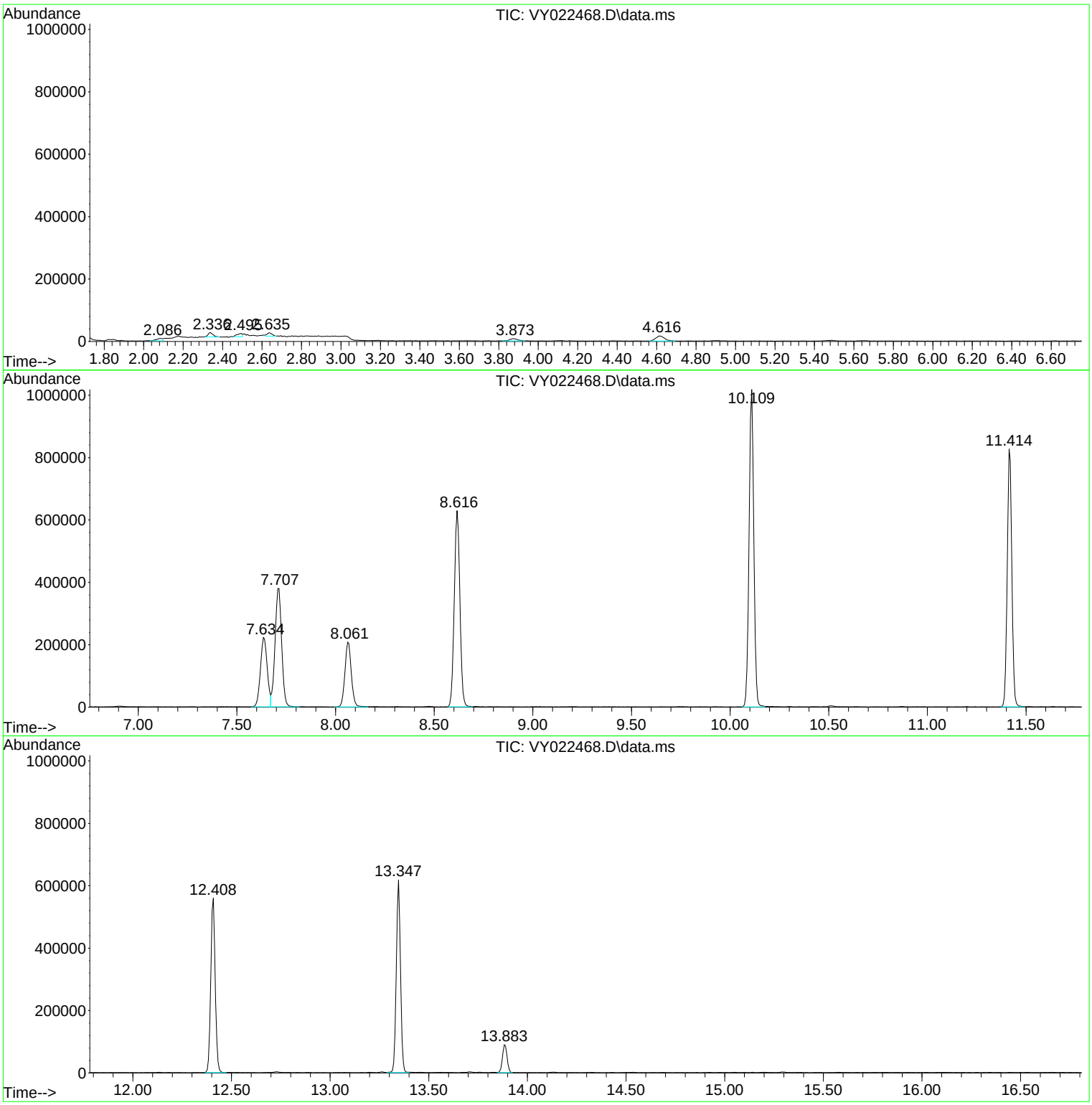
Sum of corrected areas: 8241293

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052925\
Data File : VY022468.D
Acq On : 29 May 2025 15:33
Operator : SY/MD
Sample : Q2150-09
Misc : 7.85g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-54

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052925\
Data File : VY022468.D
Acq On : 29 May 2025 15:33
Operator : SY/MD
Sample : Q2150-09
Misc : 7.85g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-54

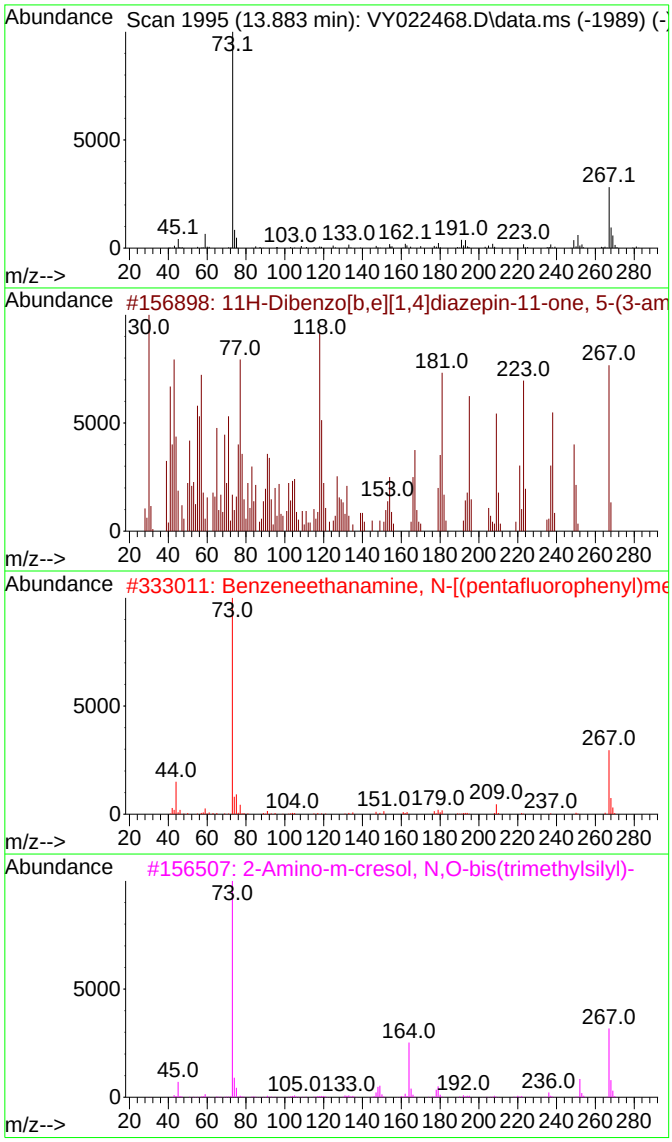
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260

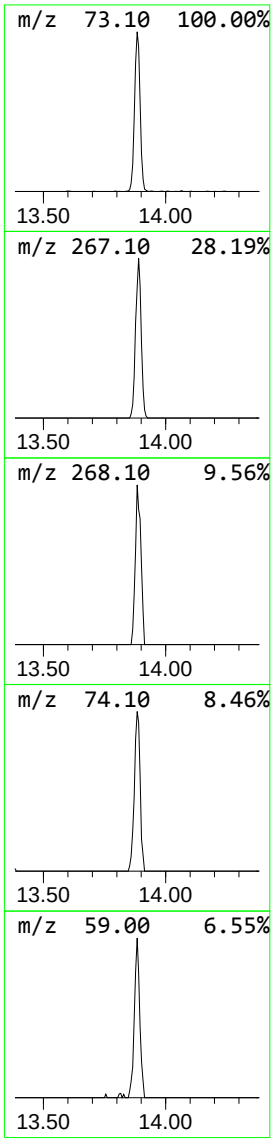
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 11H-Dibenzo[b,e][1,4]diazep... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.883	7.87 ug/l	144169	1,4-Dichlorobenzene-d4	13.347

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Dibenzo[b,e][1,4]diazepin-11...	267	C16H17N3O	013450-73-2	83
2	Benzeneethanamine, N-[(pentafluo...	475	C21H26F5NO2Si2	055429-85-1	53
3	2-Amino-m-cresol, N,O-bis(trimet...	267	C13H25NOSi2	1000449-77-1	50
4	Benzeneethanamine, N-methyl-.bet...	311	C15H29NO2Si2	029522-18-7	45
5	4-(Methylamino)phenol, N,O-bis(t...	267	C13H25NOSi2	1000471-13-0	40





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052925\
Data File : VY022468.D
Acq On : 29 May 2025 15:33
Operator : SY/MD
Sample : Q2150-09
Misc : 7.85g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-54

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.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
11H-Dibenzo[b,e...	13.883	7.9	ug/l	144169	4	13.347	915773	50.0

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052925\
Data File : VY022469.D
Acq On : 29 May 2025 15:56
Operator : SY/MD
Sample : Q2150-10
Misc : 7.78g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-53

Quant Time: May 30 05:36:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260
QLast Update : Wed May 28 10:34:06 2025
Response via : Initial Calibration

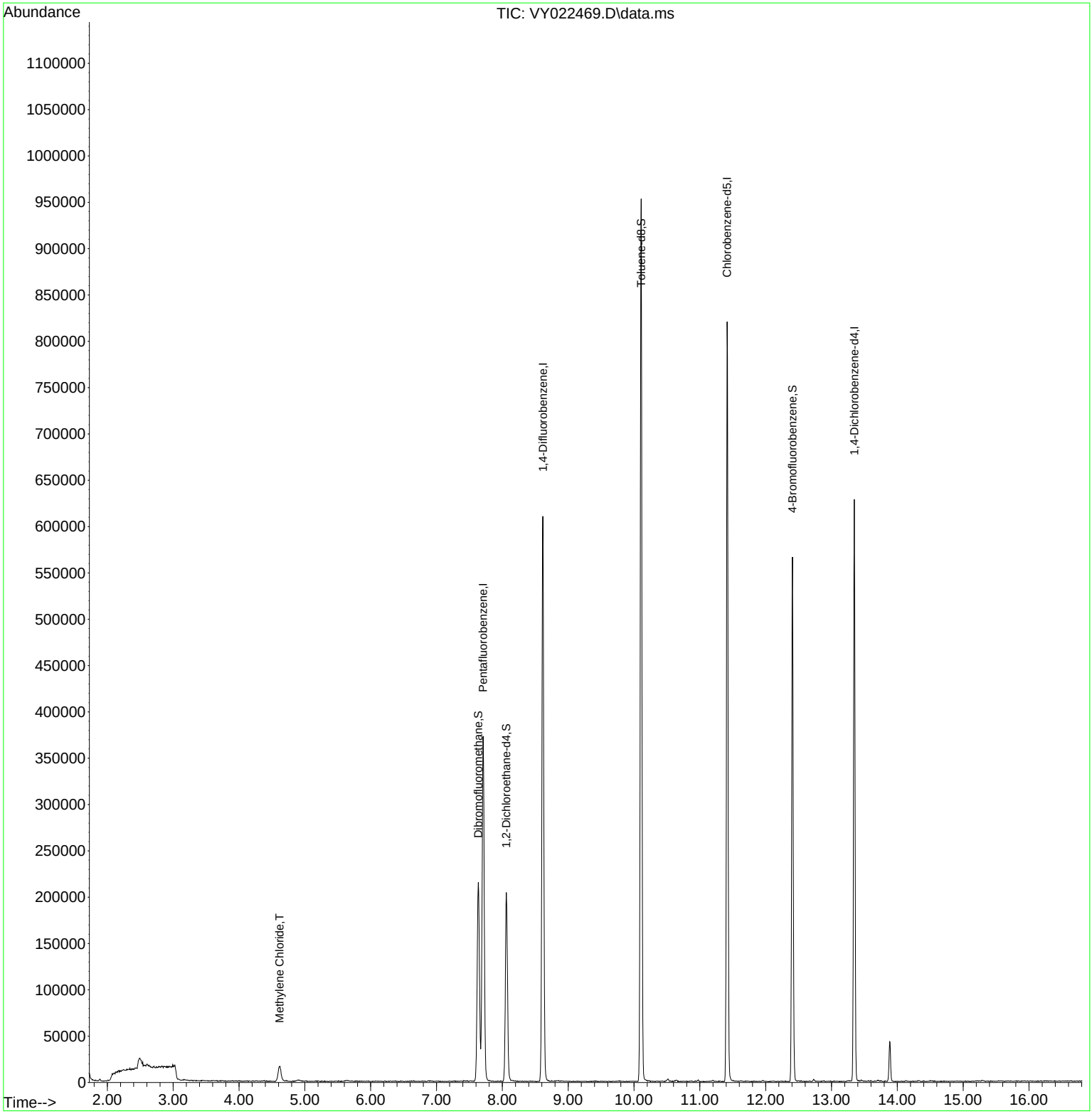
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	273493	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	503324	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	399677	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	145373	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	151759	52.681	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.360%			
35) Dibromofluoromethane	7.634	113	150583	51.086	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.180%			
50) Toluene-d8	10.109	98	599966	49.930	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.860%			
62) 4-Bromofluorobenzene	12.408	95	151154	41.586	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 83.180%			
Target Compounds						Qvalue
20) Methylene Chloride	4.616	84	12212	3.653	ug/l #	82

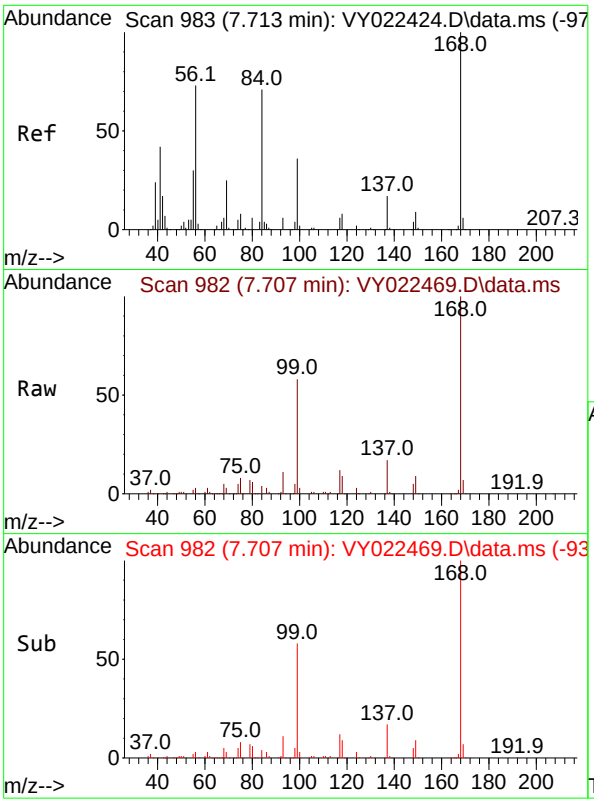
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052925\
Data File : VY022469.D
Acq On : 29 May 2025 15:56
Operator : SY/MD
Sample : Q2150-10
Misc : 7.78g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-53

Quant Time: May 30 05:36:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260
QLast Update : Wed May 28 10:34:06 2025
Response via : Initial Calibration



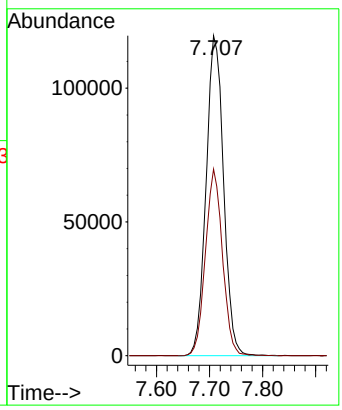


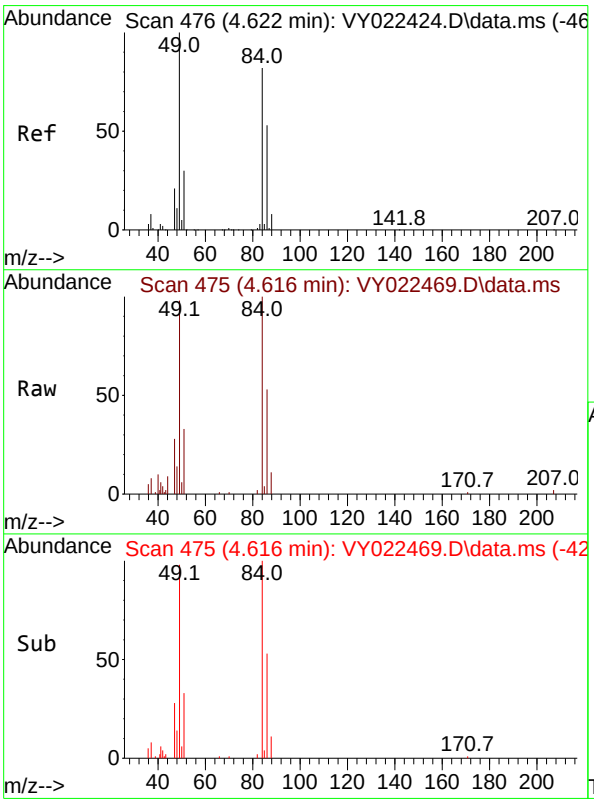
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022469.D
Acq: 29 May 2025 15:56

Instrument :
MSVOA_Y
ClientSampleId :
TP-53

Tgt Ion:168 Resp: 273493

Ion	Ratio	Lower	Upper
168	100		
99	58.3	44.7	67.1

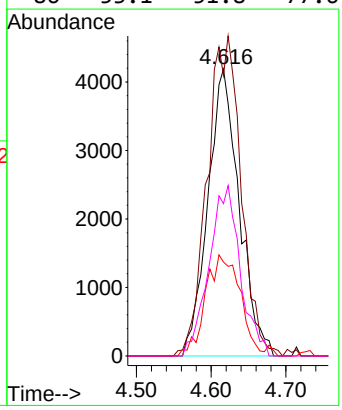


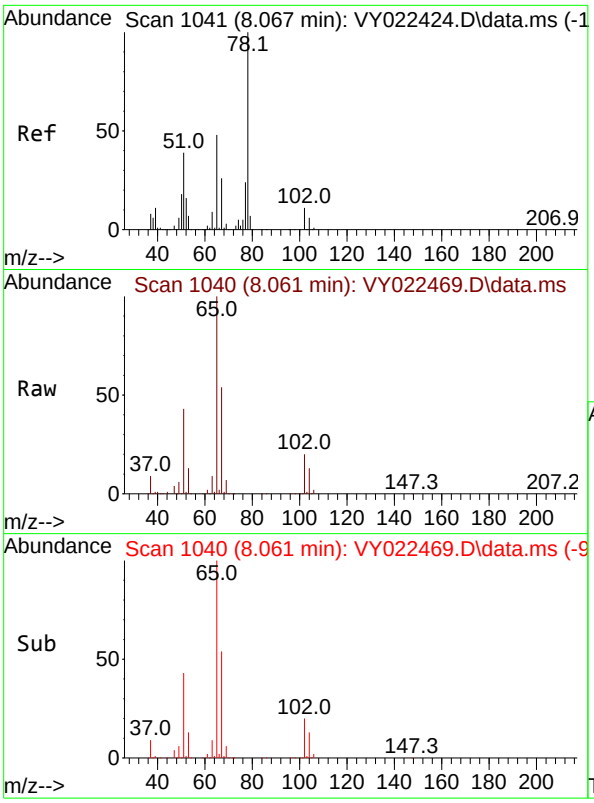


#20
Methylene Chloride
Concen: 3.653 ug/l
RT: 4.616 min Scan# 475
Delta R.T. -0.006 min
Lab File: VY022469.D
Acq: 29 May 2025 15:56

Tgt Ion: 84 Resp: 12212

Ion	Ratio	Lower	Upper
84	100		
49	95.9	97.8	146.8#
51	32.8	29.5	44.3
86	53.1	51.8	77.6



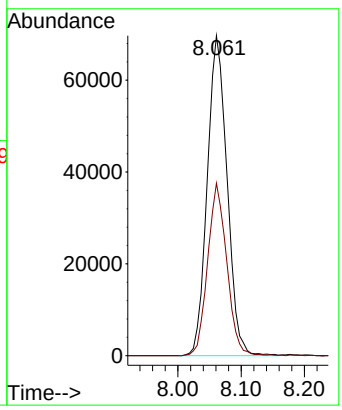


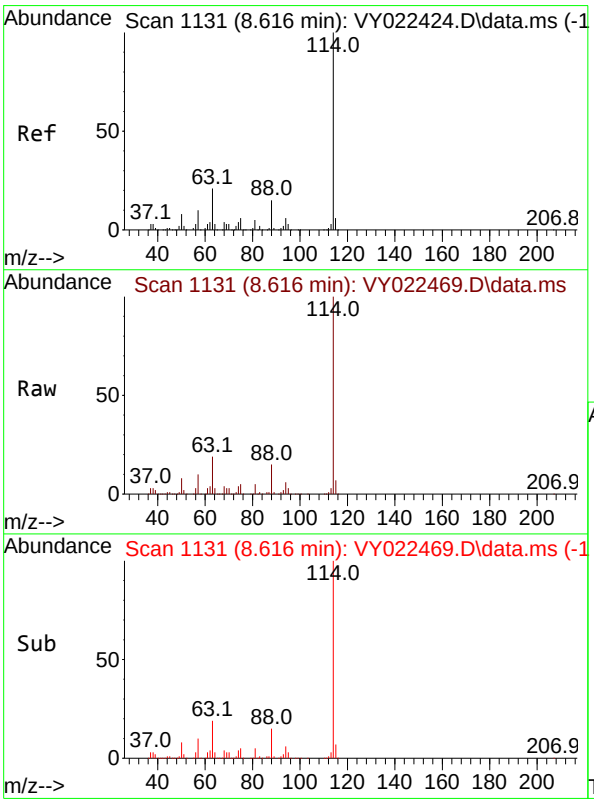
#33
1,2-Dichloroethane-d4
Concen: 52.681 ug/l
RT: 8.061 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022469.D
Acq: 29 May 2025 15:56

Instrument :
MSVOA_Y
ClientSampleId :
TP-53

Tgt Ion: 65 Resp: 151759

Ion	Ratio	Lower	Upper
65	100		
67	52.0	0.0	104.4

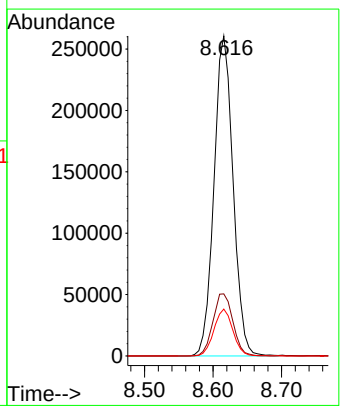


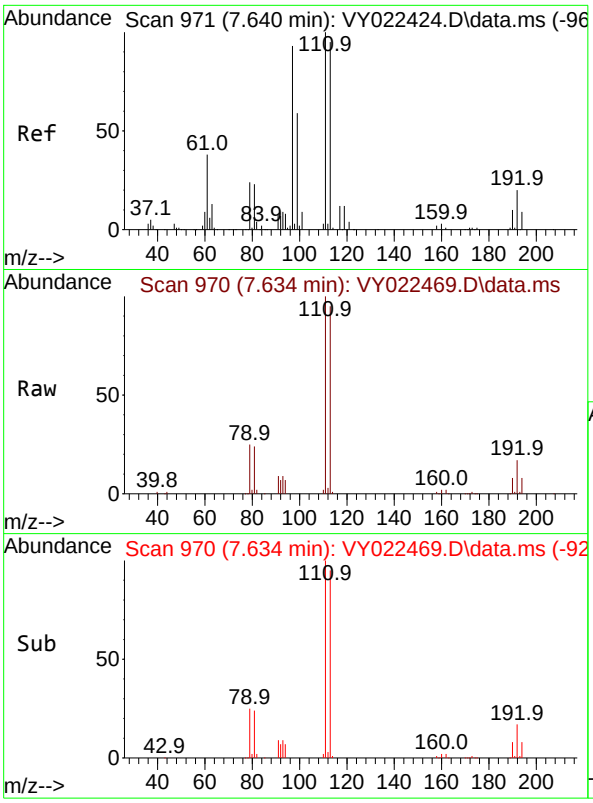


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY022469.D
Acq: 29 May 2025 15:56

Tgt Ion:114 Resp: 503324

Ion	Ratio	Lower	Upper
114	100		
63	19.4	0.0	42.6
88	14.6	0.0	29.4



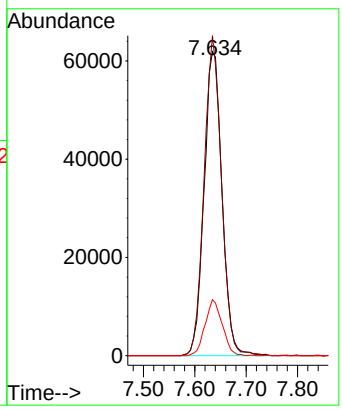


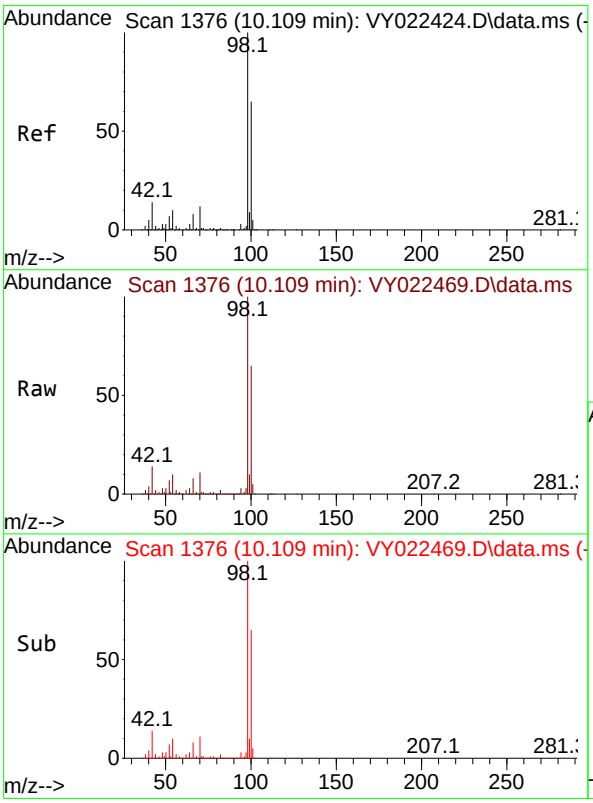
#35
Dibromofluoromethane
Concen: 51.086 ug/l
RT: 7.634 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022469.D
Acq: 29 May 2025 15:56

Instrument :
MSVOA_Y
ClientSampleId :
TP-53

Tgt Ion:113 Resp: 150583

Ion	Ratio	Lower	Upper
113	100		
111	102.2	82.4	123.6
192	17.6	15.2	22.8

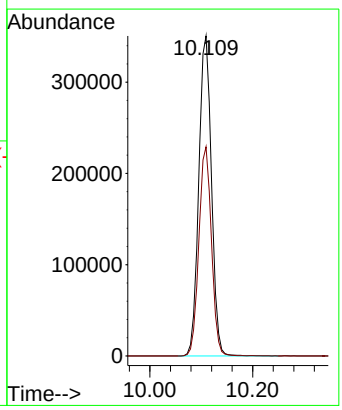


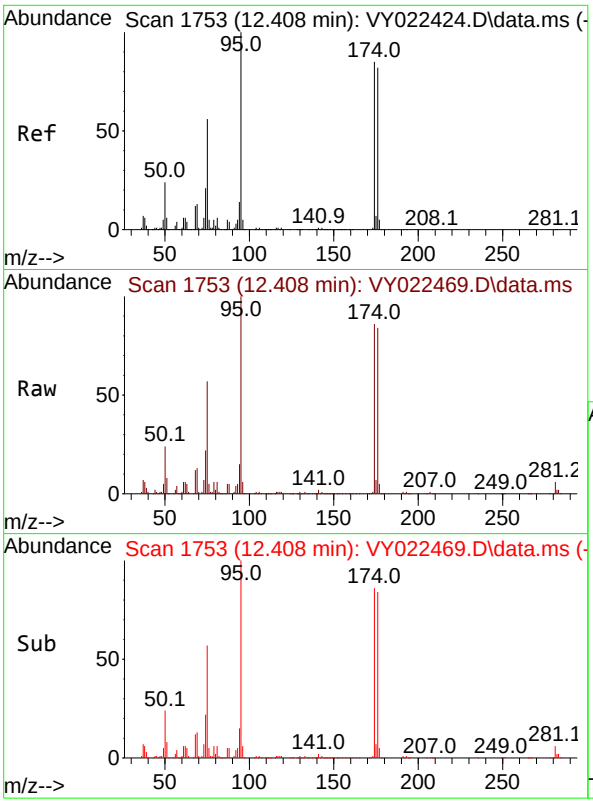


#50
Toluene-d8
Concen: 49.930 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY022469.D
Acq: 29 May 2025 15:56

Tgt Ion: 98 Resp: 599966

Ion	Ratio	Lower	Upper
98	100		
100	64.9	52.2	78.2



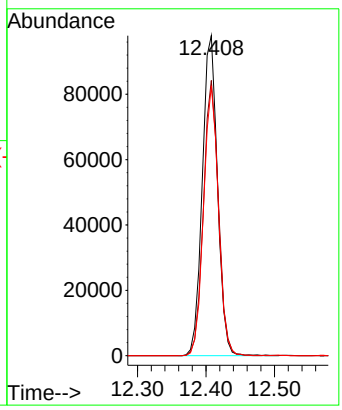


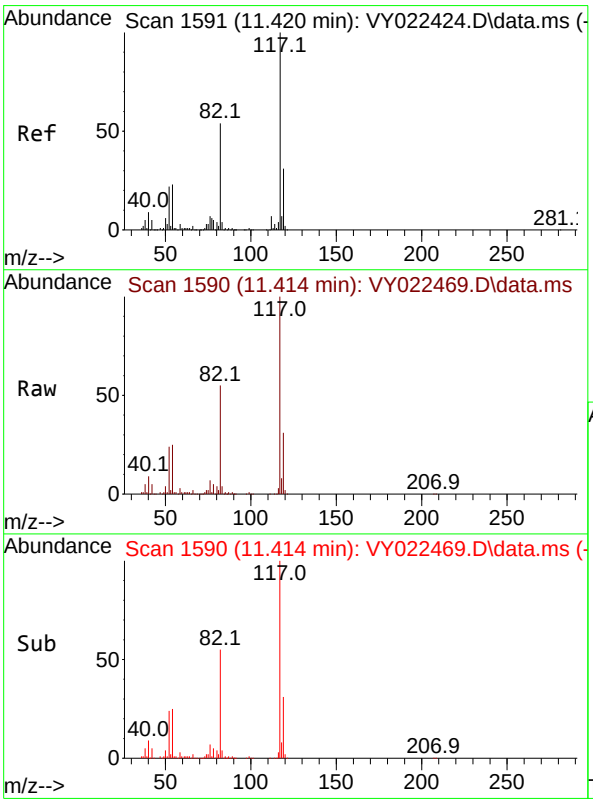
#62
4-Bromofluorobenzene
Concen: 41.586 ug/l
RT: 12.408 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022469.D
Acq: 29 May 2025 15:56

Instrument :
MSVOA_Y
ClientSampleId :
TP-53

Tgt Ion: 95 Resp: 151154

Ion	Ratio	Lower	Upper
95	100		
174	85.2	0.0	171.6
176	82.6	0.0	164.6

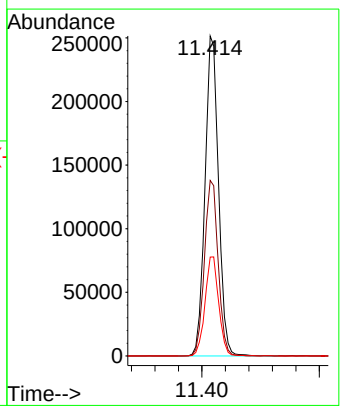


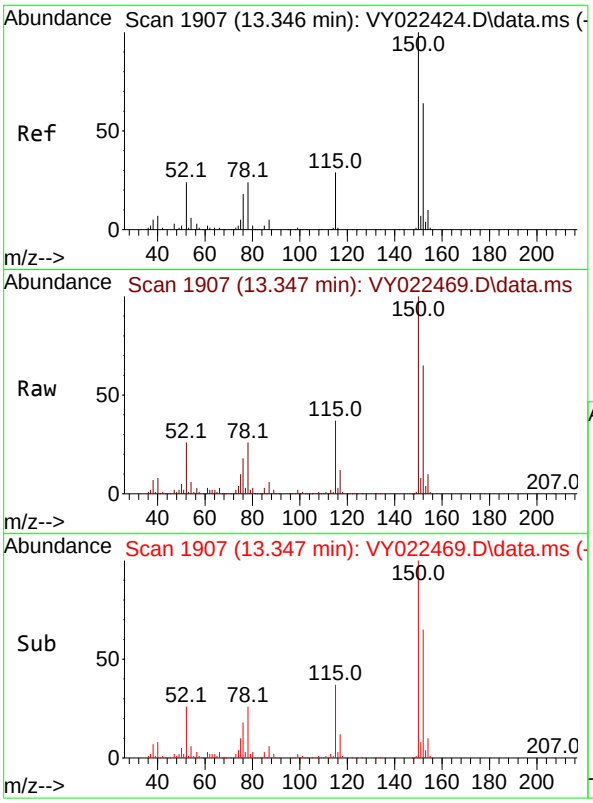


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY022469.D
Acq: 29 May 2025 15:56

Tgt Ion:117 Resp: 399677

Ion	Ratio	Lower	Upper
117	100		
82	54.9	43.3	64.9
119	30.9	24.5	36.7



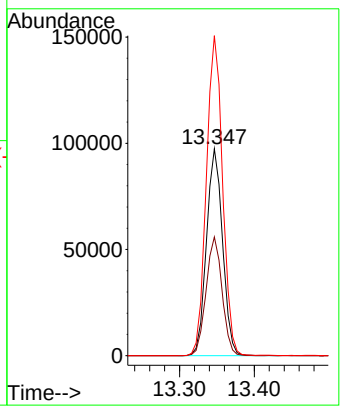


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022469.D
Acq: 29 May 2025 15:56

Instrument :
MSVOA_Y
ClientSampleId :
TP-53

Tgt Ion:152 Resp: 145373

Ion	Ratio	Lower	Upper
152	100		
115	57.2	28.4	85.3
150	155.8	0.0	345.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052925\
Data File : VY022469.D
Acq On : 29 May 2025 15:56
Operator : SY/MD
Sample : Q2150-10
Misc : 7.78g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-53

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\82Y052725S.M
Title : SW846 8260

Signal : TIC: VY022469.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.489	120	126	133	rBV2	11375	38286	2.34%	0.479%
2	4.623	464	476	488	rBV2	16375	55584	3.39%	0.695%
3	7.634	959	970	976	rBV	214754	518765	31.66%	6.486%
4	7.707	976	982	996	rVB	371924	838269	51.16%	10.480%
5	8.061	1031	1040	1051	rBV	204199	455413	27.79%	5.694%
6	8.616	1123	1131	1144	rBV	609841	1195594	72.97%	14.947%
7	10.109	1367	1376	1390	rBV	952536	1638487	100.00%	20.484%
8	11.414	1582	1590	1601	rBV	820231	1319908	80.56%	16.501%
9	12.408	1746	1753	1764	rBV2	566004	916110	55.91%	11.453%
10	13.347	1900	1907	1916	rBV	627821	950516	58.01%	11.883%
11	13.883	1988	1995	2005	rVB2	43024	71878	4.39%	0.899%

Sum of corrected areas: 7998810

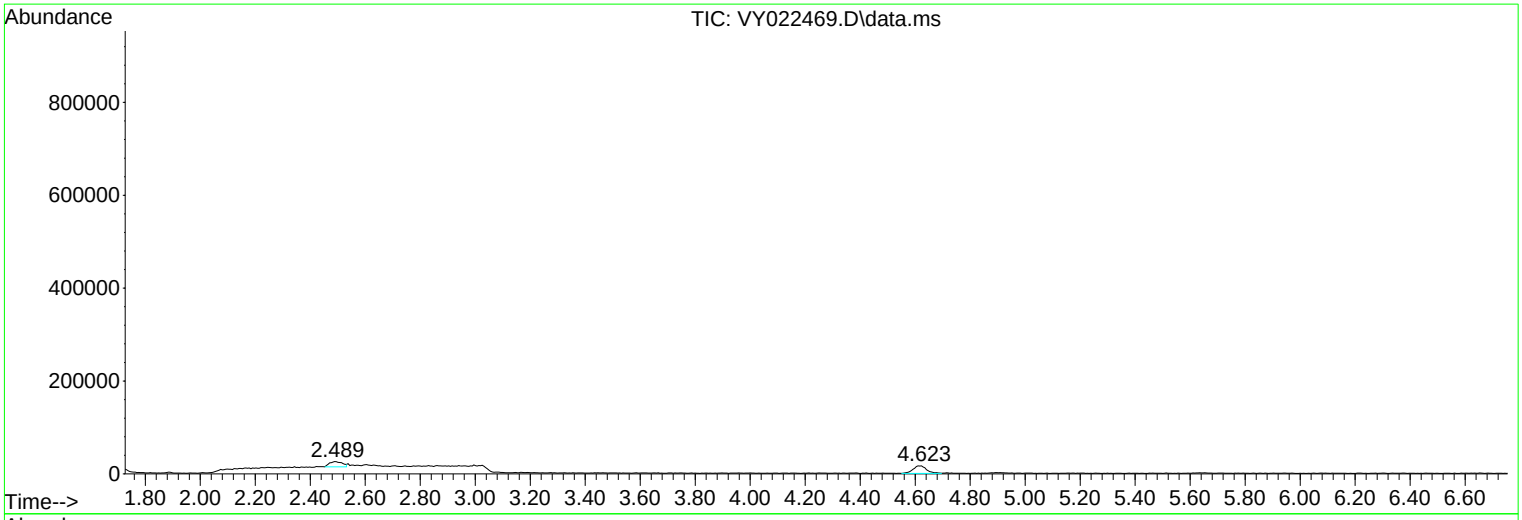
Sample Results: **VY022469.D**

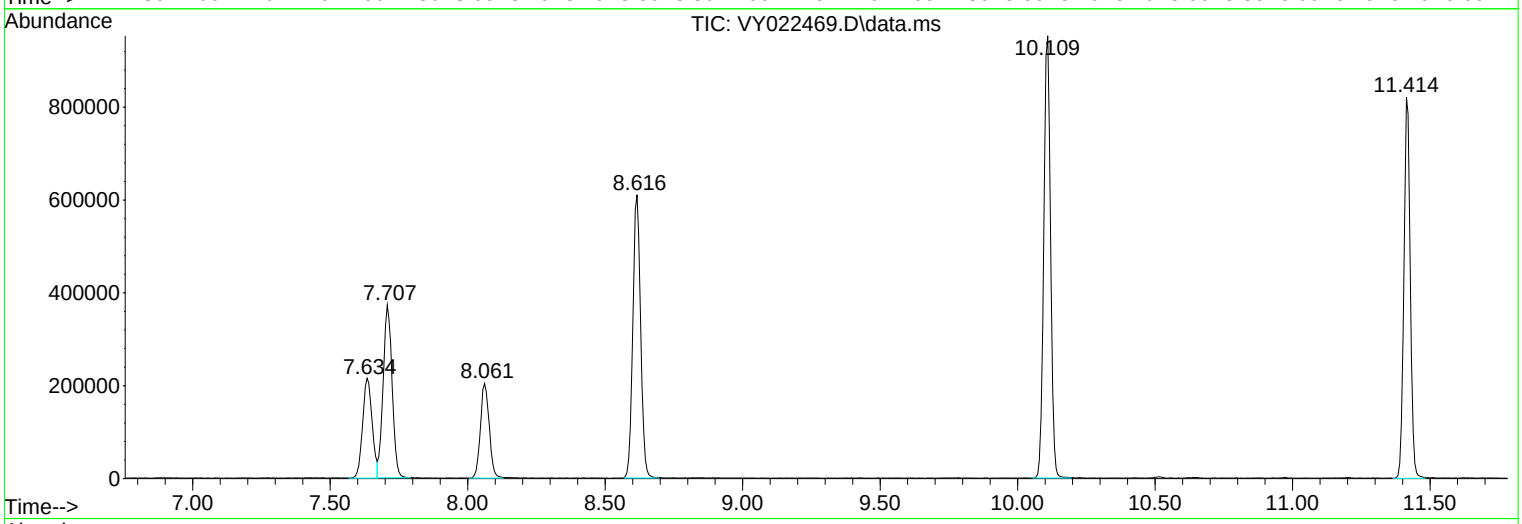
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052925\
Data File : VY022469.D
Acq On : 29 May 2025 15:56
Operator : SY/MD
Sample : Q2150-10
Misc : 7.78g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 20 Sample Multiplier: 1

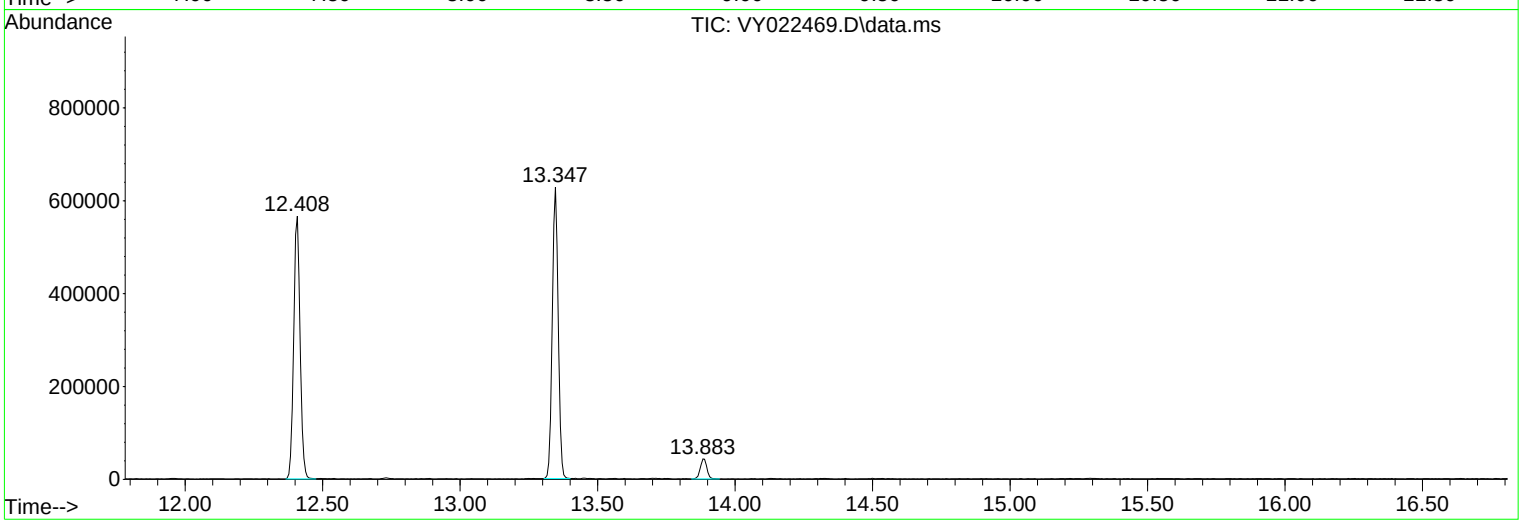
Instrument :
MSVOA_Y
ClientSampleId :
TP-53

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260

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







Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052925\
Data File : VY022469.D
Acq On : 29 May 2025 15:56
Operator : SY/MD
Sample : Q2150-10
Misc : 7.78g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-53

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.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\VY052925\
Data File : VY022469.D
Acq On : 29 May 2025 15:56
Operator : SY/MD
Sample : Q2150-10
Misc : 7.78g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-53

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.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\VY052925\
Data File : VY022454.D
Acq On : 29 May 2025 08:56
Operator : SY/MD
Sample : VY0529SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0529SBL01

Quant Time: May 30 05:29:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260
QLast Update : Wed May 28 10:34:06 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.719	168	320837	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.621	114	584950	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	455837	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	159461	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	180255	53.339	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 106.680%			
35) Dibromofluoromethane	7.646	113	173894	50.762	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.520%			
50) Toluene-d8	10.115	98	699660	50.101	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.200%			
62) 4-Bromofluorobenzene	12.413	95	172737	40.893	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 81.780%			

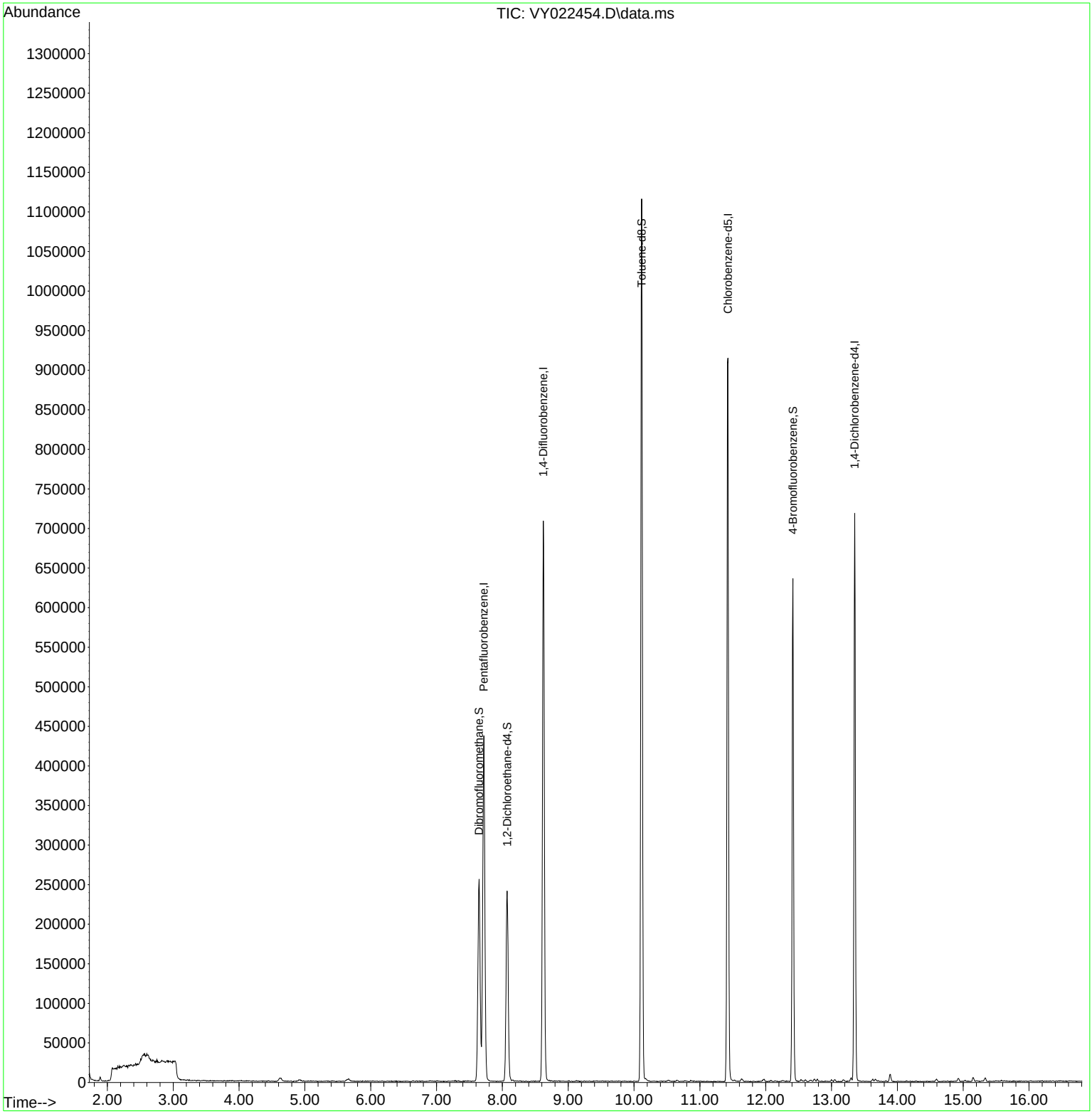
Target Compounds Qvalue

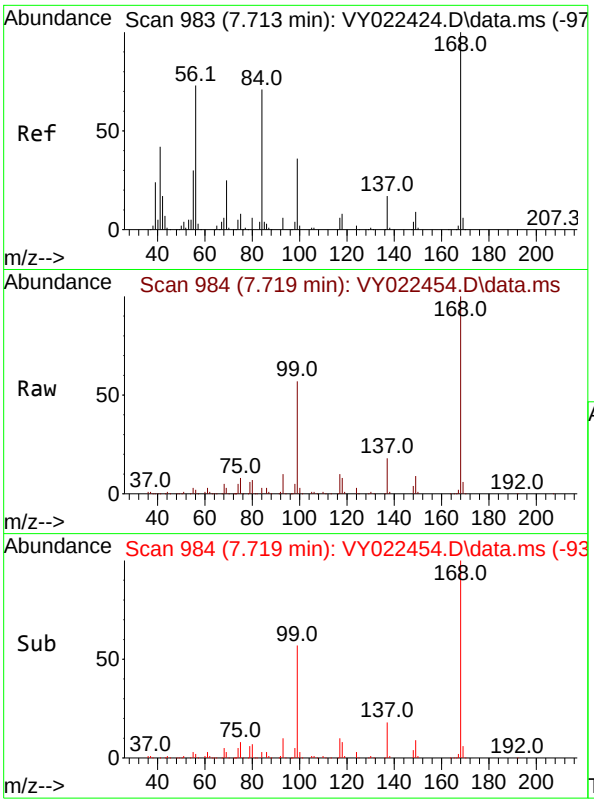
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052925\
Data File : VY022454.D
Acq On : 29 May 2025 08:56
Operator : SY/MD
Sample : VY0529SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0529SBL01

Quant Time: May 30 05:29:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260
QLast Update : Wed May 28 10:34:06 2025
Response via : Initial Calibration



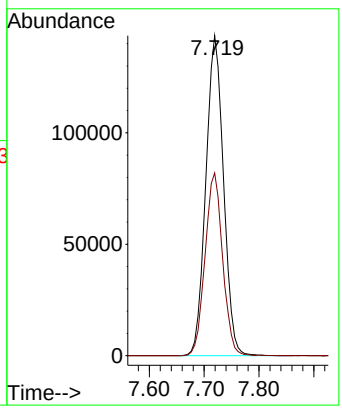


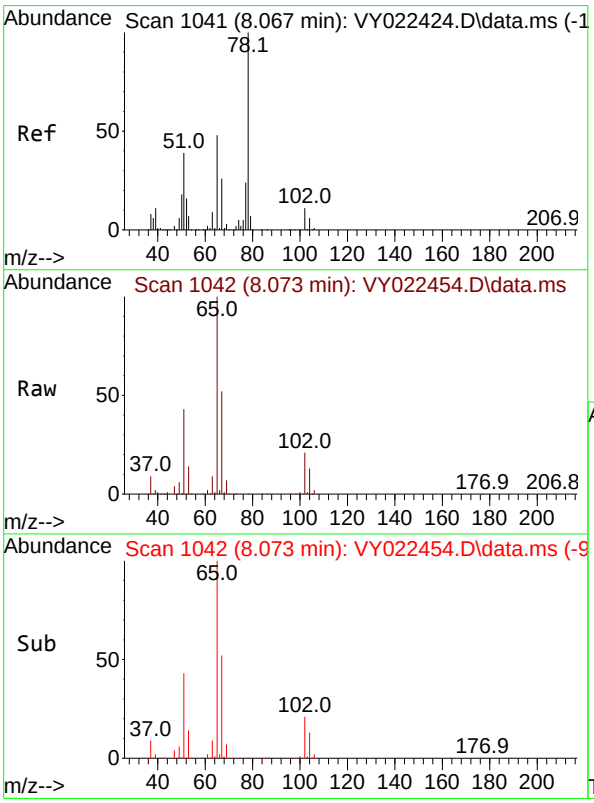
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY022454.D
Acq: 29 May 2025 08:56

Instrument :
MSVOA_Y
ClientSampleId :
VY0529SBL01

Tgt Ion:168 Resp: 320837

Ion	Ratio	Lower	Upper
168	100		
99	57.1	44.7	67.1

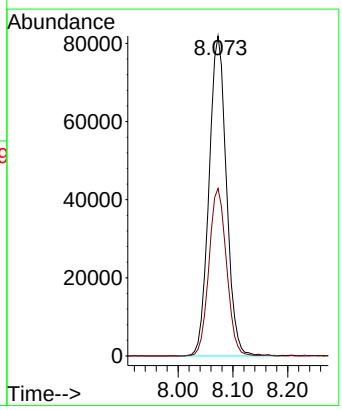


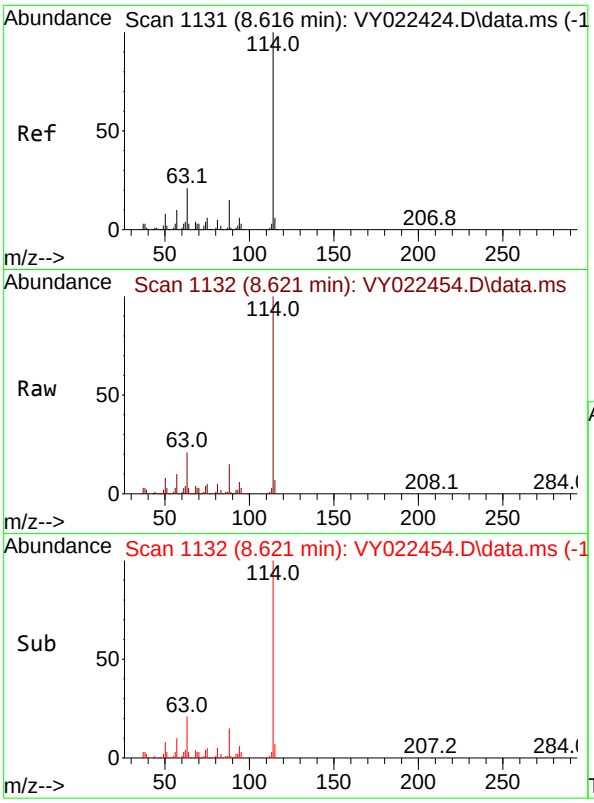


#33
1,2-Dichloroethane-d4
Concen: 53.339 ug/l
RT: 8.073 min Scan# 1042
Delta R.T. 0.006 min
Lab File: VY022454.D
Acq: 29 May 2025 08:56

Tgt Ion: 65 Resp: 180255

Ion	Ratio	Lower	Upper
65	100		
67	52.8	0.0	104.4



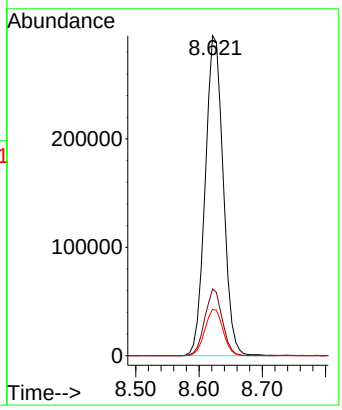


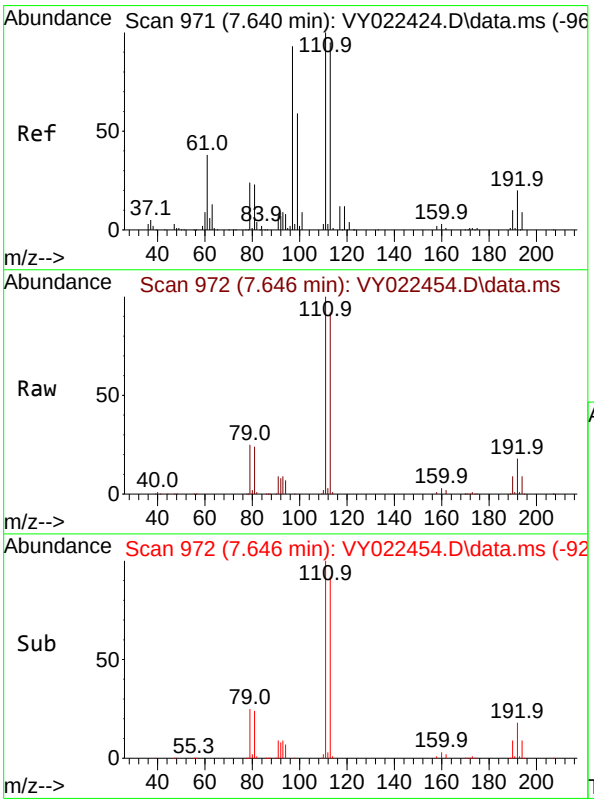
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.621 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY022454.D
Acq: 29 May 2025 08:56

Instrument :
MSVOA_Y
ClientSampleId :
VY0529SBL01

Tgt Ion:114 Resp: 584950

Ion	Ratio	Lower	Upper
114	100		
63	20.8	0.0	42.6
88	14.5	0.0	29.4

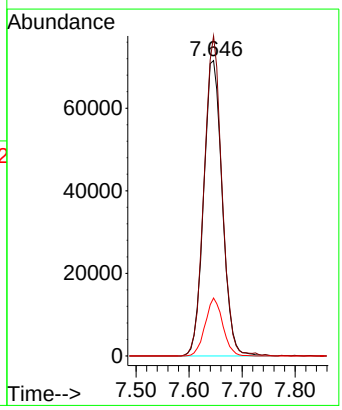


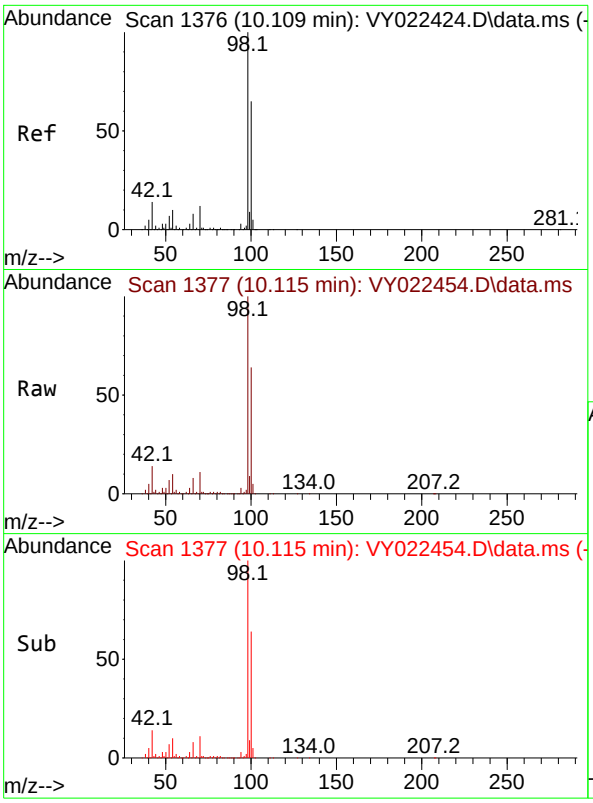


#35
Dibromofluoromethane
Concen: 50.762 ug/l
RT: 7.646 min Scan# 972
Delta R.T. 0.006 min
Lab File: VY022454.D
Acq: 29 May 2025 08:56

Tgt Ion:113 Resp: 173894

Ion	Ratio	Lower	Upper
113	100		
111	103.8	82.4	123.6
192	18.6	15.2	22.8



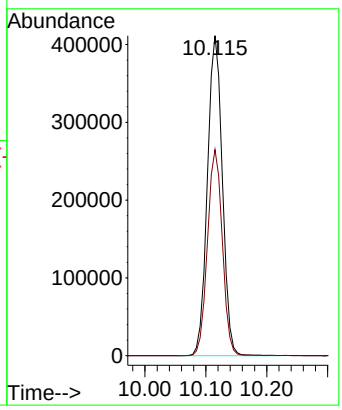


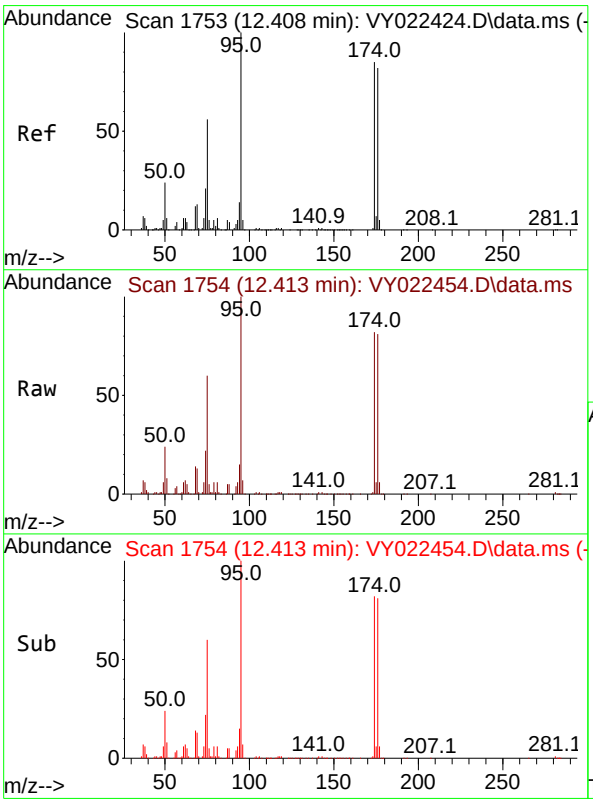
#50
Toluene-d8
Concen: 50.101 ug/l
RT: 10.115 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022454.D
Acq: 29 May 2025 08:56

Instrument :
MSVOA_Y
ClientSampleId :
VY0529SBL01

Tgt Ion: 98 Resp: 699660

Ion	Ratio	Lower	Upper
98	100		
100	64.0	52.2	78.2

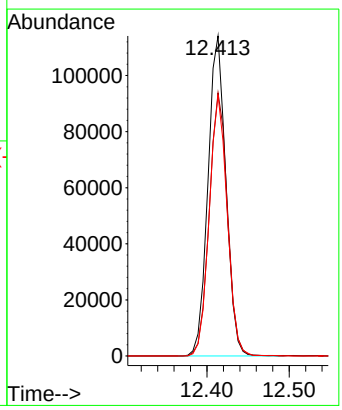


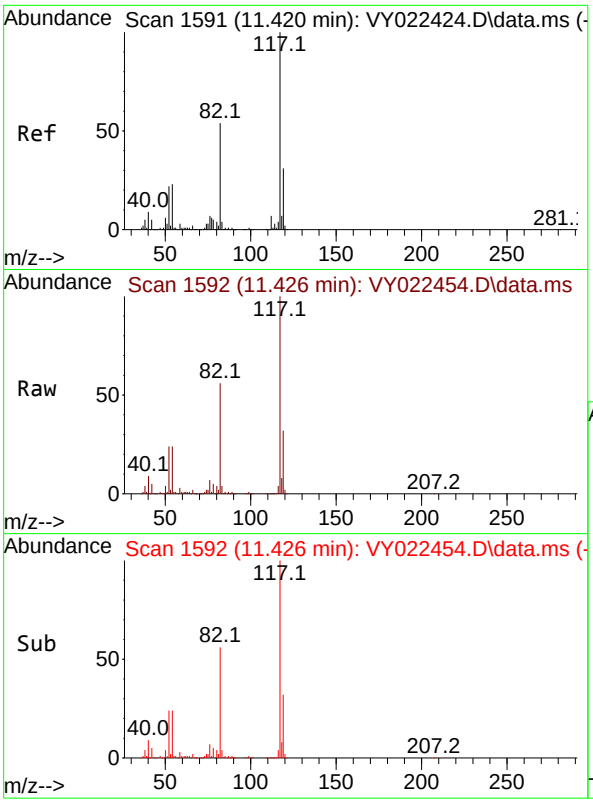


#62
4-Bromofluorobenzene
Concen: 40.893 ug/l
RT: 12.413 min Scan# 1754
Delta R.T. 0.006 min
Lab File: VY022454.D
Acq: 29 May 2025 08:56

Tgt Ion: 95 Resp: 172737

Ion	Ratio	Lower	Upper
95	100		
174	83.6	0.0	171.6
176	81.5	0.0	164.6



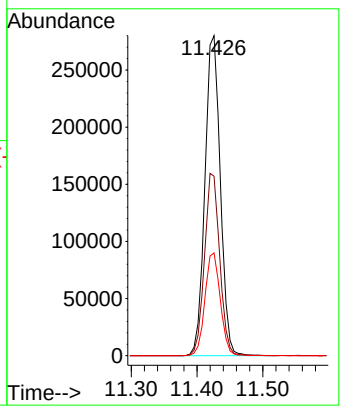


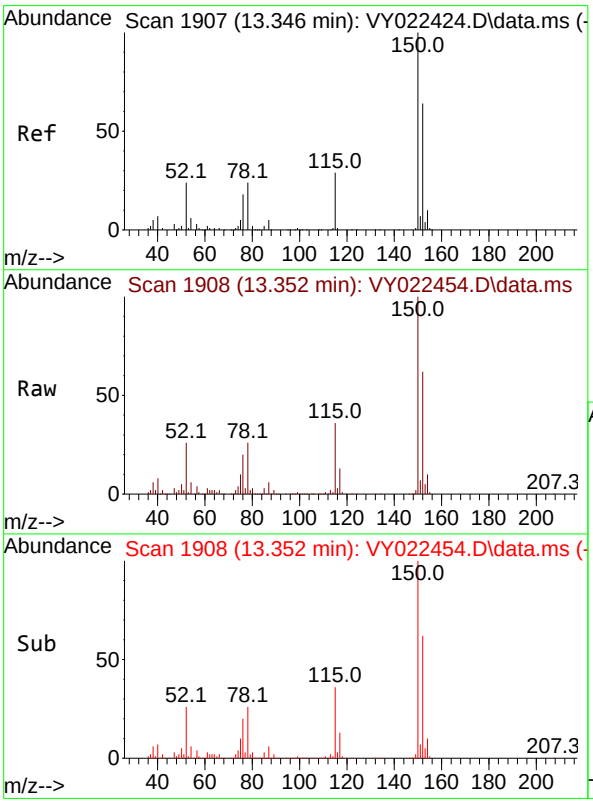
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.426 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022454.D
Acq: 29 May 2025 08:56

Instrument :
MSVOA_Y
ClientSampleId :
VY0529SBL01

Tgt Ion:117 Resp: 455837

Ion	Ratio	Lower	Upper
117	100		
82	56.1	43.3	64.9
119	32.1	24.5	36.7

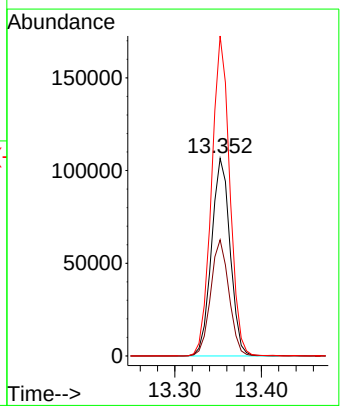




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.352 min Scan# 1908
Delta R.T. 0.006 min
Lab File: VY022454.D
Acq: 29 May 2025 08:56

Tgt Ion:152 Resp: 159461

Ion	Ratio	Lower	Upper
152	100		
115	57.7	28.4	85.3
150	157.8	0.0	345.8



Sample Results: **VY022454.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052925\
Data File : VY022454.D
Acq On : 29 May 2025 08:56
Operator : SY/MD
Sample : VY0529SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0529SBL01

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\82Y052725S.M
Title : SW846 8260

Signal : TIC: VY022454.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.080	51	59	60	rBV3	16100	28783	1.51%	0.321%
2	7.646	961	972	978	rBV	255112	607533	31.93%	6.771%
3	7.719	978	984	1000	rVB	436707	975162	51.25%	10.868%
4	8.073	1032	1042	1053	rBV	240353	537253	28.24%	5.987%
5	8.621	1123	1132	1146	rBV	708320	1387838	72.95%	15.467%
6	10.115	1369	1377	1386	rBV	1115218	1902581	100.00%	21.203%
7	11.426	1583	1592	1605	rBV	914308	1506160	79.16%	16.785%
8	12.413	1746	1754	1763	rBV	635695	980938	51.56%	10.932%
9	13.352	1902	1908	1916	rVB	716844	1046890	55.02%	11.667%

Sum of corrected areas: 8973138

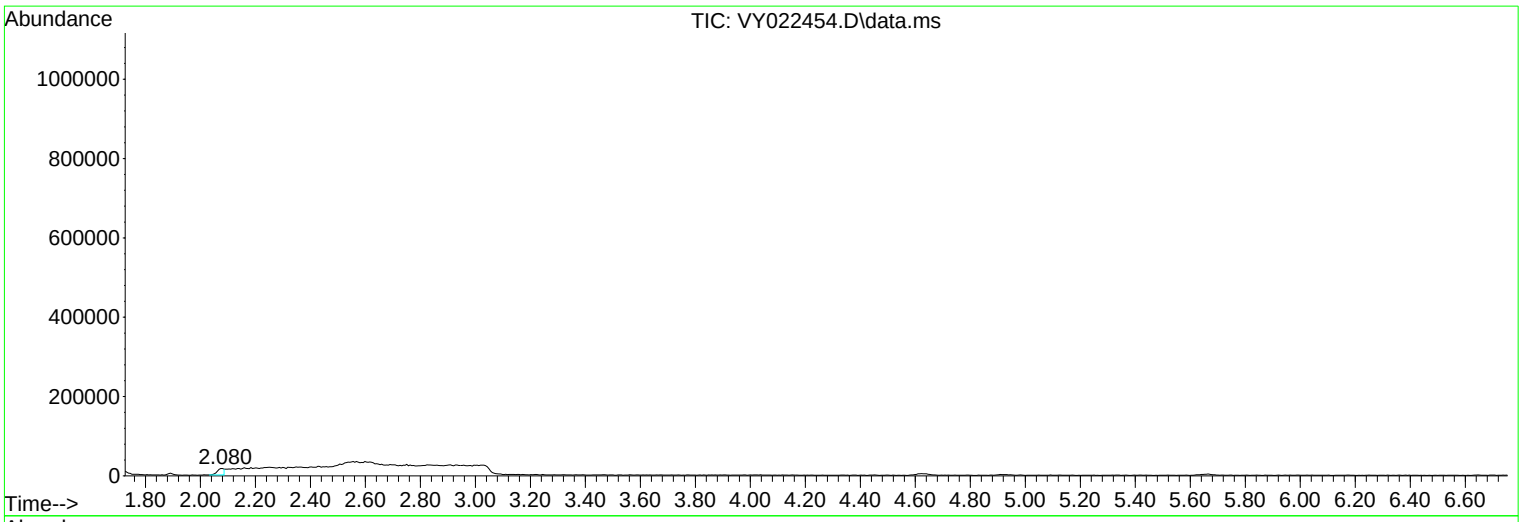
Sample Results: **VY022454.D**

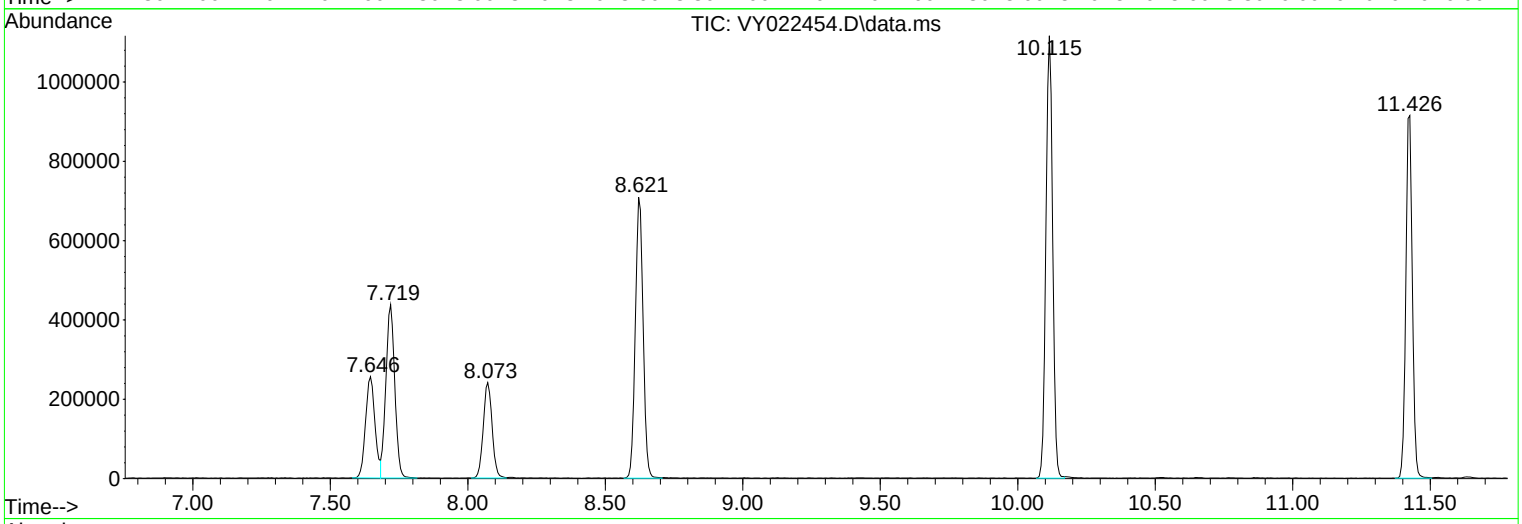
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052925\
Data File : VY022454.D
Acq On : 29 May 2025 08:56
Operator : SY/MD
Sample : VY0529SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

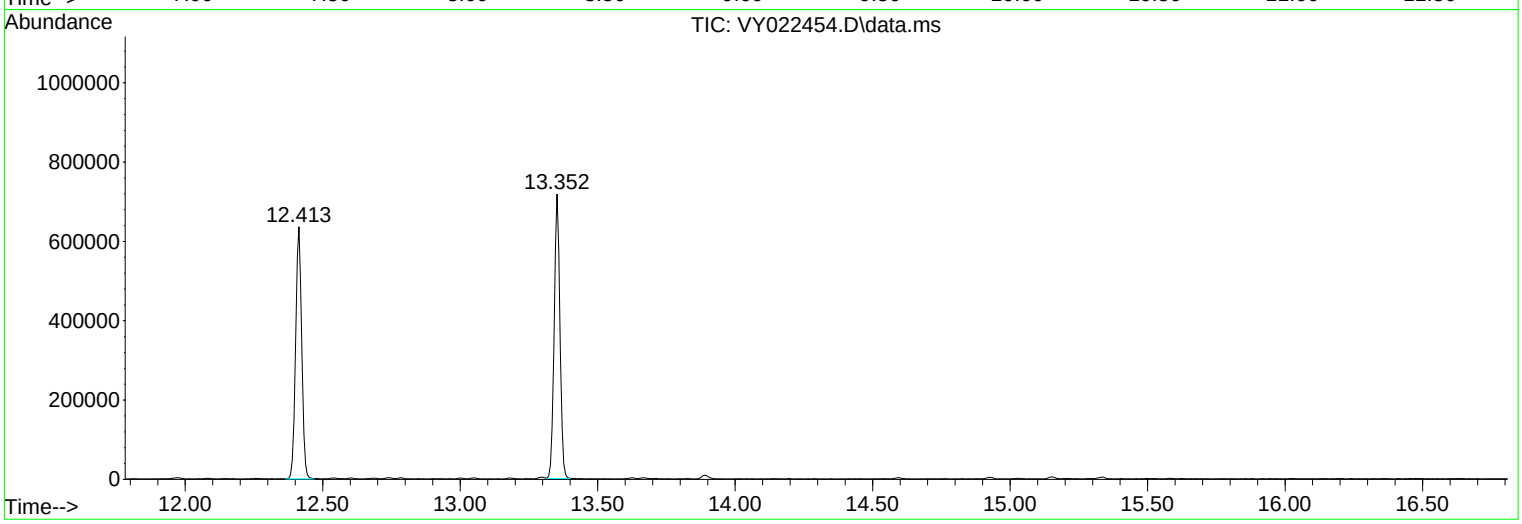
Instrument :
MSVOA_Y
ClientSampleId :
VY0529SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260

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







Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052925\
Data File : VY022454.D
Acq On : 29 May 2025 08:56
Operator : SY/MD
Sample : VY0529SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0529SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.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\VY052925\
Data File : VY022454.D
Acq On : 29 May 2025 08:56
Operator : SY/MD
Sample : VY0529SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0529SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.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\VY060225\
Data File : VY022499.D
Acq On : 02 Jun 2025 16:00
Operator : SY/MD
Sample : VY0602SBL02
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0602SBL02

Quant Time: Jun 03 04:06:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	309051	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	557091	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	442919	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	162489	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	183940	53.215	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 106.420%			
35) Dibromofluoromethane	7.634	113	169603	51.006	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.020%			
50) Toluene-d8	10.109	98	667368	49.671	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.340%			
62) 4-Bromofluorobenzene	12.408	95	171494	42.839	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 85.680%			

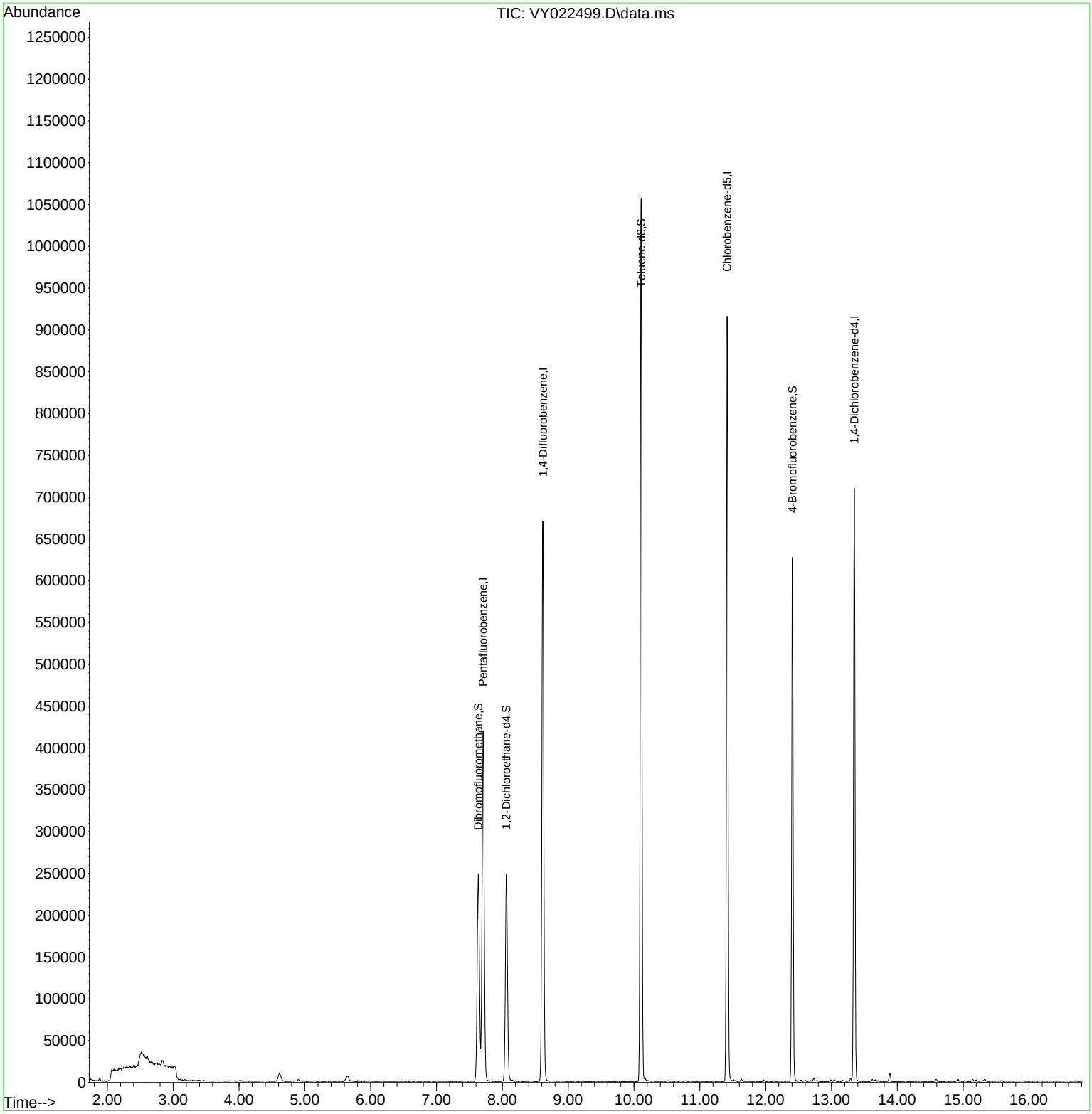
Target Compounds Qvalue

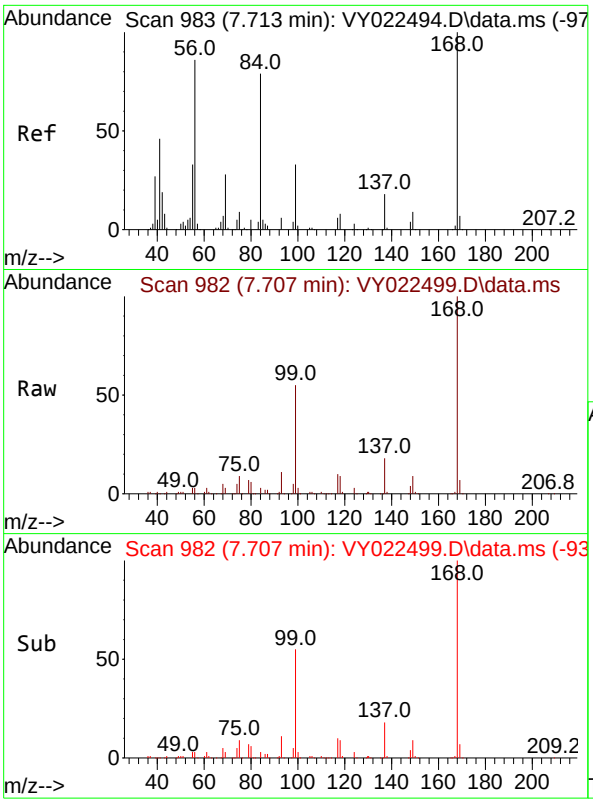
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022499.D
Acq On : 02 Jun 2025 16:00
Operator : SY/MD
Sample : VY0602SBL02
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0602SBL02

Quant Time: Jun 03 04:06:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 2025
Response via : Initial Calibration



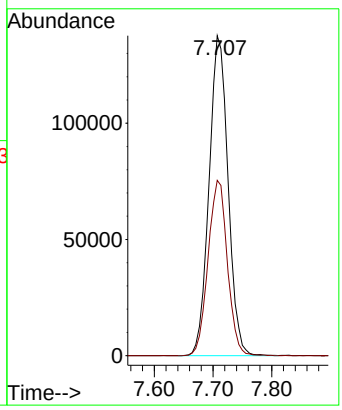


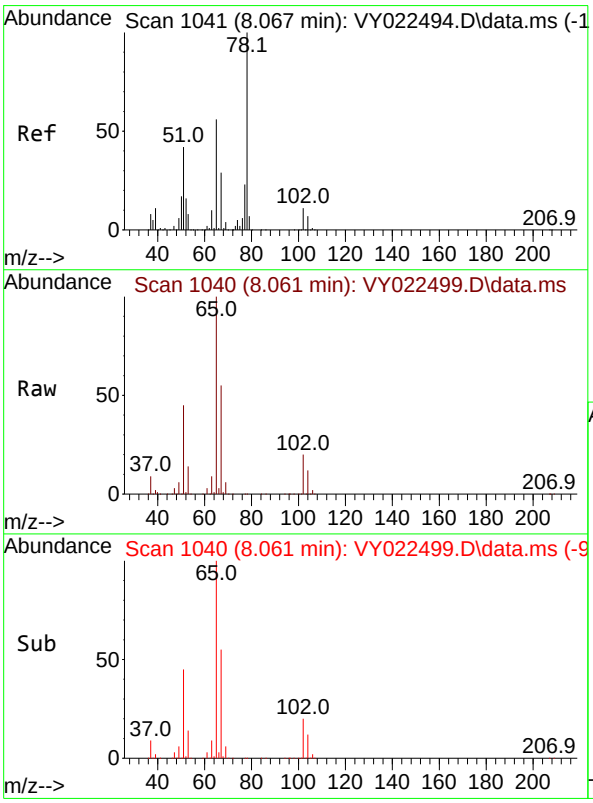
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022499.D
Acq: 02 Jun 2025 16:00

Instrument :
MSVOA_Y
ClientSampleId :
VY0602SBL02

Tgt Ion:168 Resp: 309051

Ion	Ratio	Lower	Upper
168	100		
99	54.8	44.3	66.5

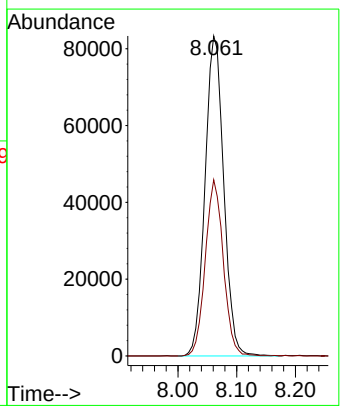




#33
1,2-Dichloroethane-d4
Concen: 53.215 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022499.D
Acq: 02 Jun 2025 16:00

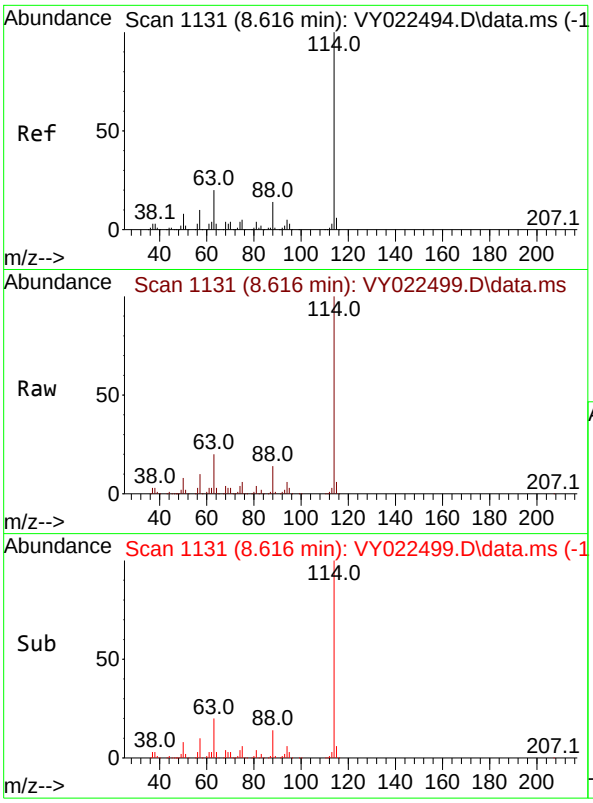
Tgt Ion: 65 Resp: 183940

Ion	Ratio	Lower	Upper
65	100		
67	53.1	0.0	103.4



5

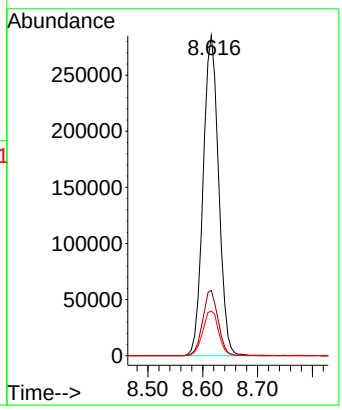
Instrument :
MSVOA_Y
ClientSampleId :
VY0602SBL02

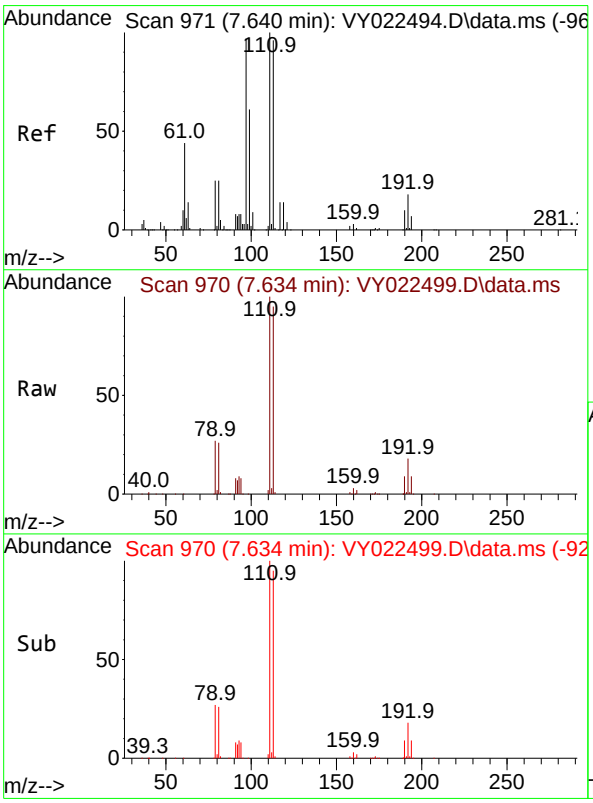


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY022499.D
Acq: 02 Jun 2025 16:00

Tgt Ion:114 Resp: 557091

Ion	Ratio	Lower	Upper
114	100		
63	20.4	0.0	40.8
88	13.9	0.0	27.8

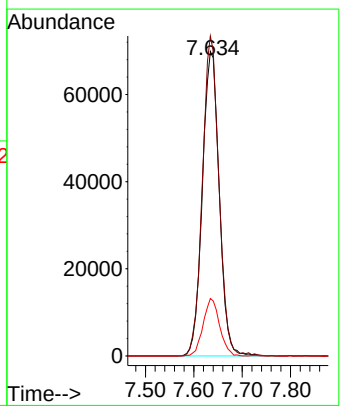


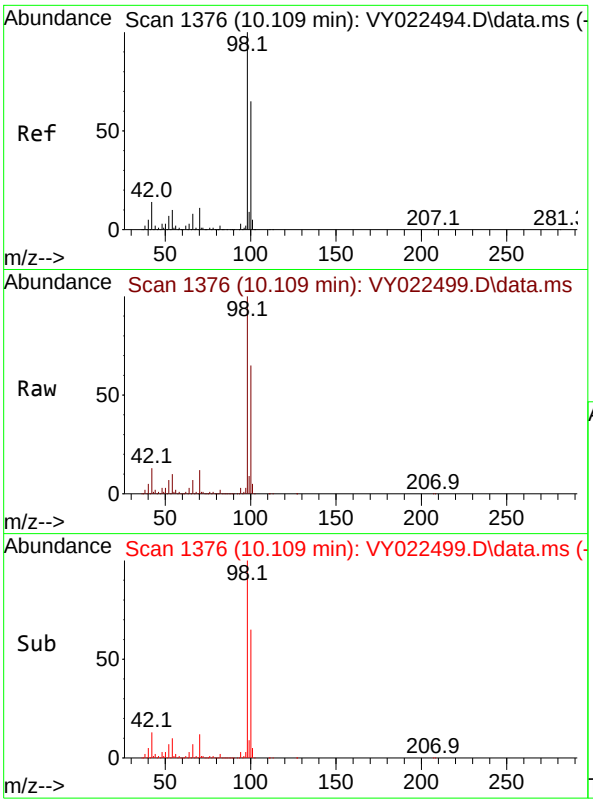


#35
Dibromofluoromethane
Concen: 51.006 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY022499.D
Acq: 02 Jun 2025 16:00

Tgt Ion:113 Resp: 169603

Ion	Ratio	Lower	Upper
113	100		
111	102.8	81.1	121.7
192	18.4	14.2	21.2



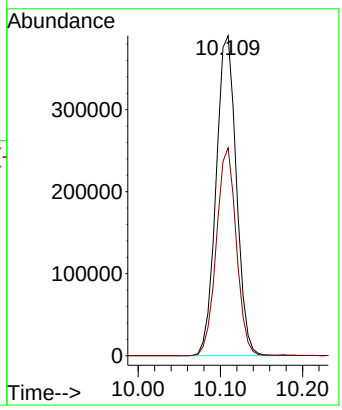


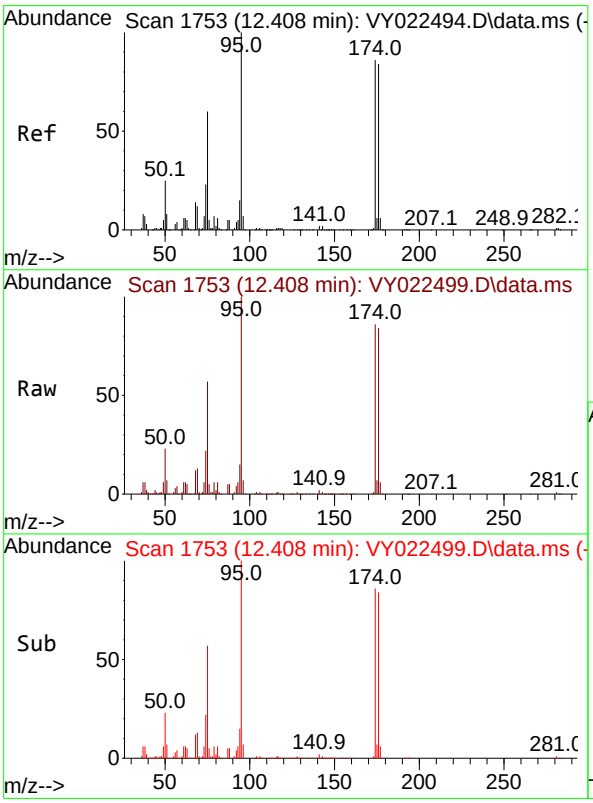
#50
Toluene-d8
Concen: 49.671 ug/l
RT: 10.109 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022499.D
Acq: 02 Jun 2025 16:00

Instrument :
MSVOA_Y
ClientSampleId :
VY0602SBL02

Tgt Ion: 98 Resp: 667368

Ion	Ratio	Lower	Upper
98	100		
100	63.9	51.4	77.0

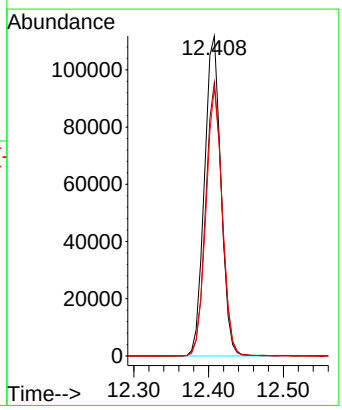


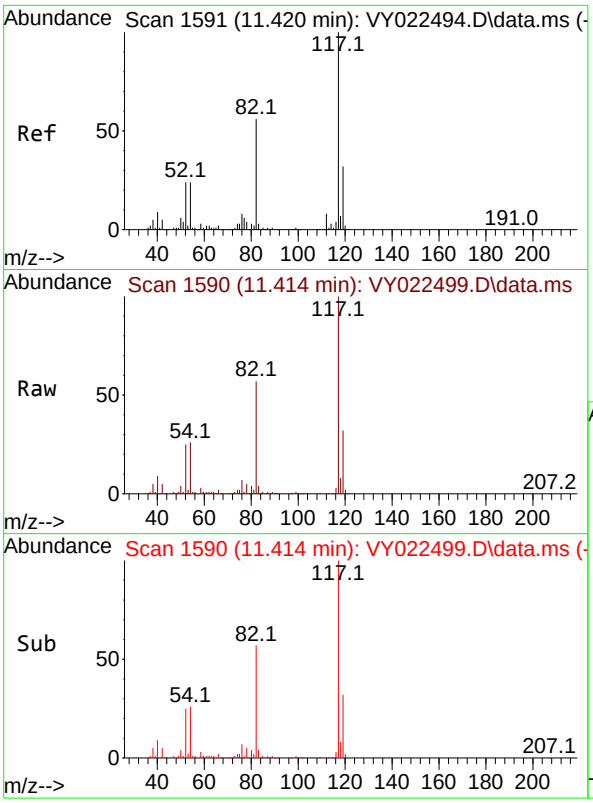


#62
4-Bromofluorobenzene
Concen: 42.839 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022499.D
Acq: 02 Jun 2025 16:00

Tgt Ion: 95 Resp: 171494

Ion	Ratio	Lower	Upper
95	100		
174	84.7	0.0	170.0
176	82.6	0.0	166.2



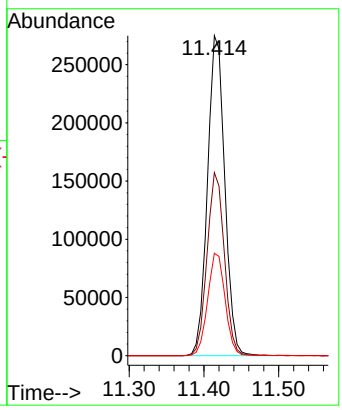


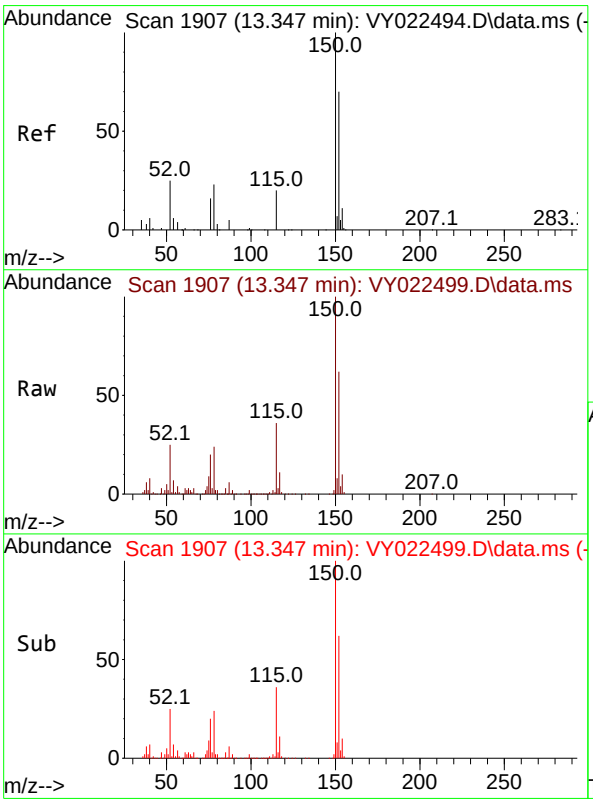
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022499.D
Acq: 02 Jun 2025 16:00

Instrument :
MSVOA_Y
ClientSampleId :
VY0602SBL02

Tgt Ion:117 Resp: 442919

Ion	Ratio	Lower	Upper
117	100		
82	57.2	44.6	66.8
119	32.0	25.4	38.0

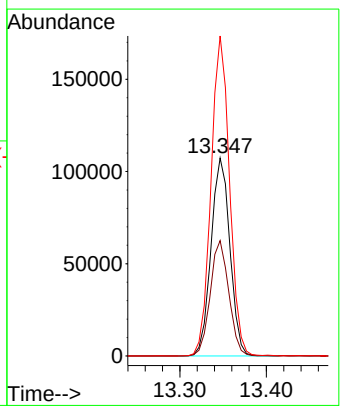




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022499.D
Acq: 02 Jun 2025 16:00

Tgt Ion:152 Resp: 162489

Ion	Ratio	Lower	Upper
152	100		
115	57.4	28.9	86.7
150	158.3	0.0	349.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022499.D
Acq On : 02 Jun 2025 16:00
Operator : SY/MD
Sample : VY0602SBL02
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0602SBL02

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\82Y060225S.M
Title : SW846 8260

Signal : TIC: VY022499.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	59	rBV3	13660	24330	1.34%	0.273%
2	2.513	122	130	137	rBV6	16020	65352	3.60%	0.734%
3	3.013	210	212	223	rVB2	17123	43912	2.42%	0.493%
4	4.616	462	475	484	rBV2	9940	29846	1.64%	0.335%
5	7.634	960	970	976	rBV	247706	590845	32.52%	6.635%
6	7.707	976	982	996	rVB	419106	937532	51.60%	10.528%
7	8.061	1028	1040	1052	rBV2	248411	548476	30.19%	6.159%
8	8.616	1122	1131	1143	rBV	669742	1320492	72.68%	14.829%
9	10.109	1365	1376	1386	rBV	1055825	1816847	100.00%	20.403%
10	11.414	1582	1590	1603	rBV	915174	1477522	81.32%	16.592%
11	12.408	1745	1753	1764	rBV	626580	970404	53.41%	10.897%
12	13.347	1900	1907	1917	rVB	708959	1079407	59.41%	12.121%

Sum of corrected areas: 8904965

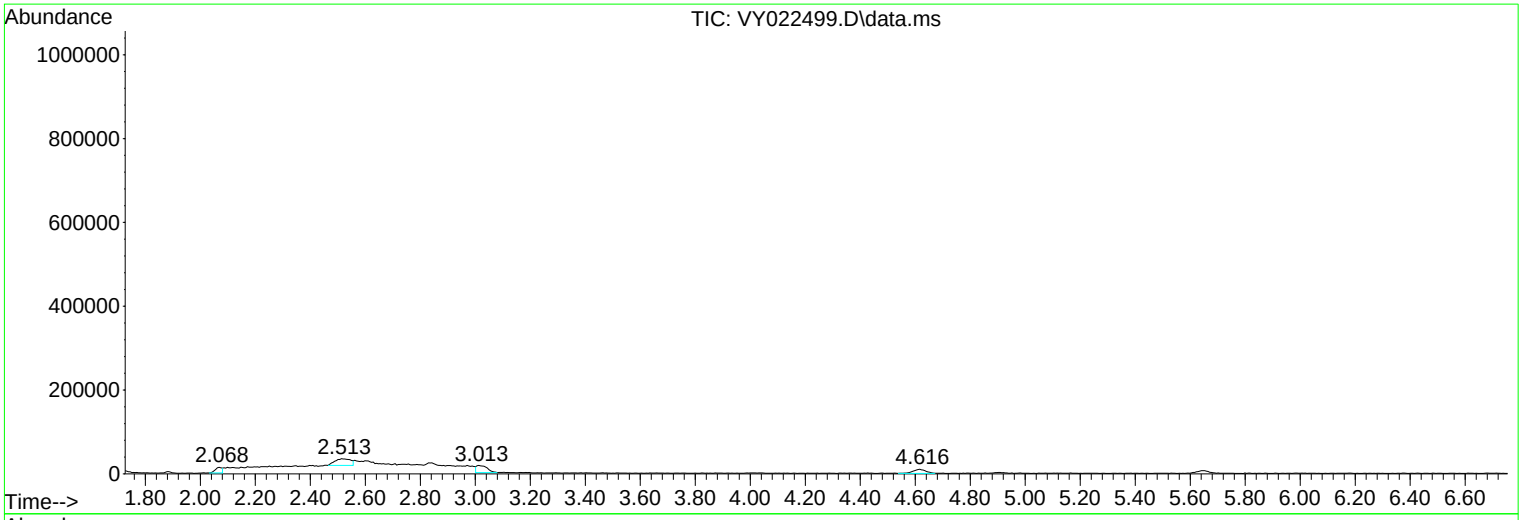
Sample Results: **VY022499.D**

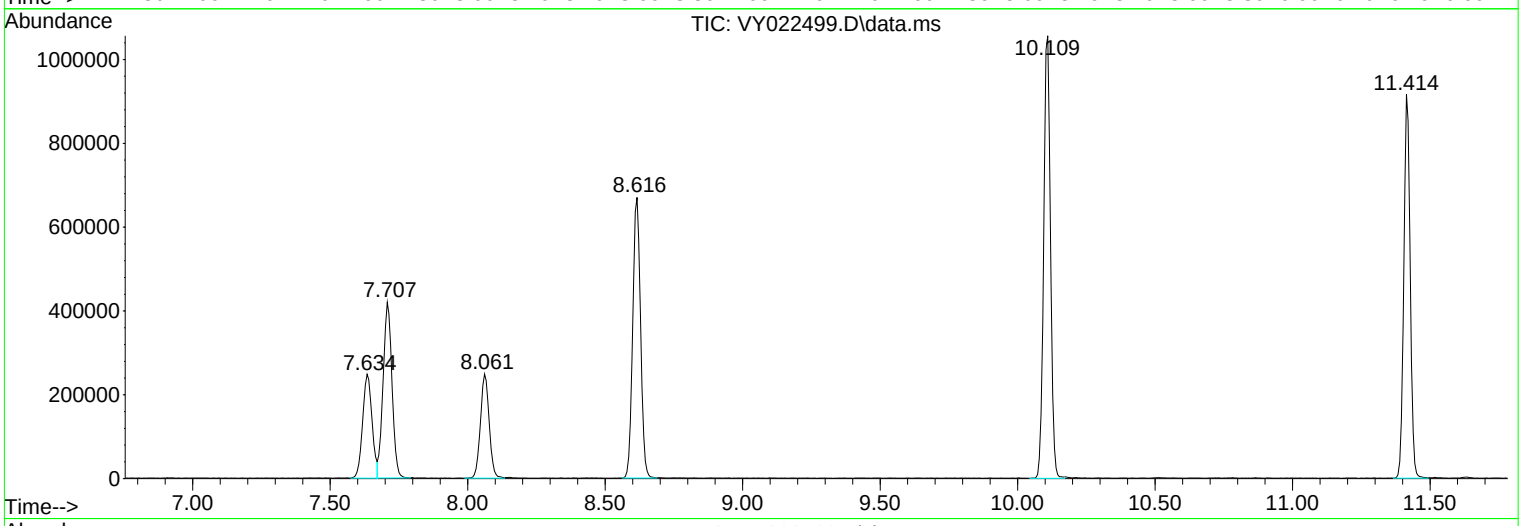
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022499.D
Acq On : 02 Jun 2025 16:00
Operator : SY/MD
Sample : VY0602SBL02
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 15 Sample Multiplier: 1

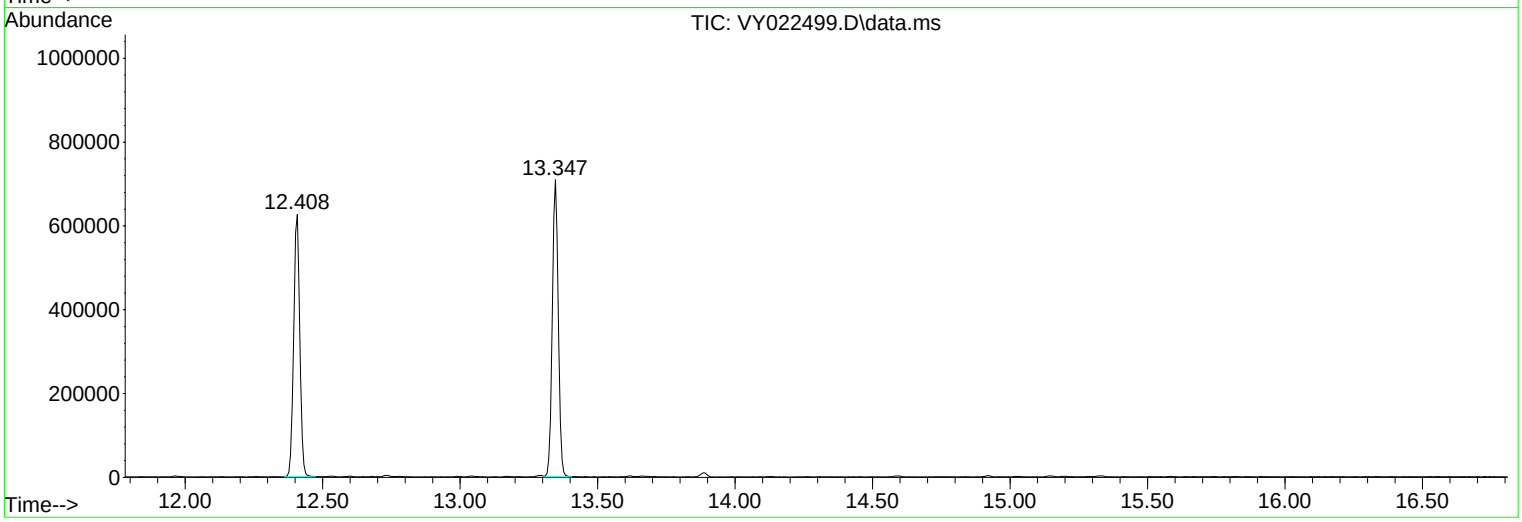
Instrument :
MSVOA_Y
ClientSampleId :
VY0602SBL02

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260

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







Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022499.D
Acq On : 02 Jun 2025 16:00
Operator : SY/MD
Sample : VY0602SBL02
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0602SBL02

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.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\VY060225\
Data File : VY022499.D
Acq On : 02 Jun 2025 16:00
Operator : SY/MD
Sample : VY0602SBL02
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0602SBL02

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.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\VY052925\
Data File : VY022455.D
Acq On : 29 May 2025 09:27
Operator : SY/MD
Sample : VY0529SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 30 05:29:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260
QLast Update : Wed May 28 10:34:06 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0529SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/30/2025
Supervised By :Semsettin Yesilyurt 05/30/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.719	168	217849	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	376540	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	319754	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	148991	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	122757	53.498	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 107.000%			
35) Dibromofluoromethane	7.646	113	109319	49.575	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.140%			
50) Toluene-d8	10.115	98	446049	49.620	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.240%			
62) 4-Bromofluorobenzene	12.414	95	131041	48.192	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 96.380%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.873	85	46688	22.463	ug/l	98
3) Chloromethane	2.074	50	134444	26.297	ug/l	98
4) Vinyl Chloride	2.208	62	147122	23.688	ug/l	98
5) Bromomethane	2.598	94	157906	27.978	ug/l	96
6) Chloroethane	2.738	64	107679	26.532	ug/l	99
7) Trichlorofluoromethane	3.055	101	125536	23.956	ug/l	96
8) Diethyl Ether	3.464	74	27444	22.714	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.817	101	49269	21.431	ug/l	99
10) Methyl Iodide	4.019	142	50019	19.285	ug/l	99
11) Tert butyl alcohol	4.897	59	19308	119.376	ug/l	97
12) 1,1-Dichloroethene	3.799	96	48631	21.307	ug/l	96
13) Acrolein	3.665	56	24794	102.308	ug/l	99
14) Allyl chloride	4.391	41	75557	22.007	ug/l	99
15) Acrylonitrile	5.073	53	56731	116.484	ug/l	99
16) Acetone	3.885	43	42974	113.971	ug/l	94
17) Carbon Disulfide	4.116	76	152446	20.930	ug/l	99
18) Methyl Acetate	4.397	43	32296	22.865	ug/l	98
19) Methyl tert-butyl Ether	5.134	73	135345	22.336	ug/l	97
20) Methylene Chloride	4.628	84	55665	20.906	ug/l	99
21) trans-1,2-Dichloroethene	5.122	96	52156	20.931	ug/l	95
22) Diisopropyl ether	6.031	45	165331	21.818	ug/l	98
23) Vinyl Acetate	5.976	43	484839	111.434	ug/l	98
24) 1,1-Dichloroethane	5.921	63	96506	21.553	ug/l	98
25) 2-Butanone	6.908	43	71529	113.906	ug/l	100
26) 2,2-Dichloropropane	6.890	77	83691	20.642	ug/l	97
27) cis-1,2-Dichloroethene	6.902	96	61114	21.186	ug/l	98
28) Bromochloromethane	7.256	49	41852	22.384	ug/l	99
29) Tetrahydrofuran	7.280	42	49922	119.201	ug/l	98
30) Chloroform	7.433	83	96292	21.825	ug/l	96
31) Cyclohexane	7.713	56	91969	20.837	ug/l #	91
32) 1,1,1-Trichloroethane	7.628	97	85584	21.373	ug/l	99
36) 1,1-Dichloropropene	7.847	75	71878	20.541	ug/l	99
37) Ethyl Acetate	7.000	43	34104	22.933	ug/l	99
38) Carbon Tetrachloride	7.823	117	73360	20.125	ug/l	97
39) Methylcyclohexane	9.115	83	94592	20.336	ug/l	94
40) Benzene	8.091	78	216938	20.835	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052925\
Data File : VY022455.D
Acq On : 29 May 2025 09:27
Operator : SY/MD
Sample : VY0529SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 30 05:29:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260
QLast Update : Wed May 28 10:34:06 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0529SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/30/2025
Supervised By :Semsettin Yesilyurt 05/30/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.232	41	19377	21.468	ug/l		88
42) 1,2-Dichloroethane	8.164	62	59459	21.622	ug/l		98
43) Isopropyl Acetate	8.207	43	72871	22.425	ug/l	#	87
44) Trichloroethene	8.871	130	52748	20.493	ug/l		89
45) 1,2-Dichloropropane	9.146	63	51691	21.130	ug/l		94
46) Dibromomethane	9.243	93	28793	21.069	ug/l		99
47) Bromodichloromethane	9.432	83	73499	20.914	ug/l		95
48) Methyl methacrylate	9.231	41	34348	22.770	ug/l		99
49) 1,4-Dioxane	9.237	88	6938	459.638	ug/l		94
51) 4-Methyl-2-Pentanone	10.005	43	180359	112.489	ug/l		99
52) Toluene	10.176	92	130911	20.130	ug/l		98
53) t-1,3-Dichloropropene	10.402	75	69246	21.154	ug/l		100
54) cis-1,3-Dichloropropene	9.865	75	79429	20.650	ug/l		96
55) 1,1,2-Trichloroethane	10.578	97	36436	21.088	ug/l		98
56) Ethyl methacrylate	10.444	69	52736	21.269	ug/l		98
57) 1,3-Dichloropropane	10.725	76	66794	21.937	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.719	63	124474	100.727	ug/l		98
59) 2-Hexanone	10.767	43	119129	113.375	ug/l		99
60) Dibromochloromethane	10.920	129	46556	21.093	ug/l		98
61) 1,2-Dibromoethane	11.024	107	33658	21.298	ug/l		98
64) Tetrachloroethene	10.652	164	56988	20.927	ug/l		96
65) Chlorobenzene	11.450	112	137324	20.141	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.523	131	45717	19.790	ug/l		98
67) Ethyl Benzene	11.523	91	248860	19.657	ug/l		97
68) m/p-Xylenes	11.633	106	186984	38.956	ug/l		97
69) o-Xylene	11.962	106	89547	19.850	ug/l		99
70) Styrene	11.975	104	150631	20.053	ug/l		100
71) Bromoform	12.139	173	25838	21.354	ug/l	#	97
73) Isopropylbenzene	12.261	105	231788	19.767	ug/l		99
74) N-amyl acetate	12.078	43	62329	21.723	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.511	83	38907	21.059	ug/l		100
76) 1,2,3-Trichloropropane	12.560	75	30908m	20.710	ug/l		
77) Bromobenzene	12.535	156	50007	19.817	ug/l		97
78) n-propylbenzene	12.603	91	280089	19.904	ug/l		100
79) 2-Chlorotoluene	12.682	91	149938	19.683	ug/l		100
80) 1,3,5-Trimethylbenzene	12.743	105	183061	19.980	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.310	75	13668	20.711	ug/l		96
82) 4-Chlorotoluene	12.785	91	154200	19.655	ug/l		99
83) tert-Butylbenzene	13.005	119	166325	20.093	ug/l		99
84) 1,2,4-Trimethylbenzene	13.048	105	179206	19.437	ug/l		100
85) sec-Butylbenzene	13.182	105	247028	20.122	ug/l		99
86) p-Isopropyltoluene	13.297	119	201014	19.608	ug/l		100
87) 1,3-Dichlorobenzene	13.291	146	98707	19.441	ug/l		100
88) 1,4-Dichlorobenzene	13.371	146	95858	19.745	ug/l		96
89) n-Butylbenzene	13.621	91	193195	20.100	ug/l		100
90) Hexachloroethane	13.883	117	41291	20.240	ug/l		94
91) 1,2-Dichlorobenzene	13.663	146	86130	20.310	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	6529	22.870	ug/l		88
93) 1,2,4-Trichlorobenzene	14.925	180	46466	19.764	ug/l		96
94) Hexachlorobutadiene	15.029	225	25447	20.624	ug/l		96
95) Naphthalene	15.151	128	90867	20.906	ug/l		99
96) 1,2,3-Trichlorobenzene	15.334	180	39732	20.606	ug/l		97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052925\
Data File : VY022455.D
Acq On : 29 May 2025 09:27
Operator : SY/MD
Sample : VY0529SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 30 05:29:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260
QLast Update : Wed May 28 10:34:06 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0529SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/30/2025
Supervised By :Semsettin Yesilyurt 05/30/2025

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

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

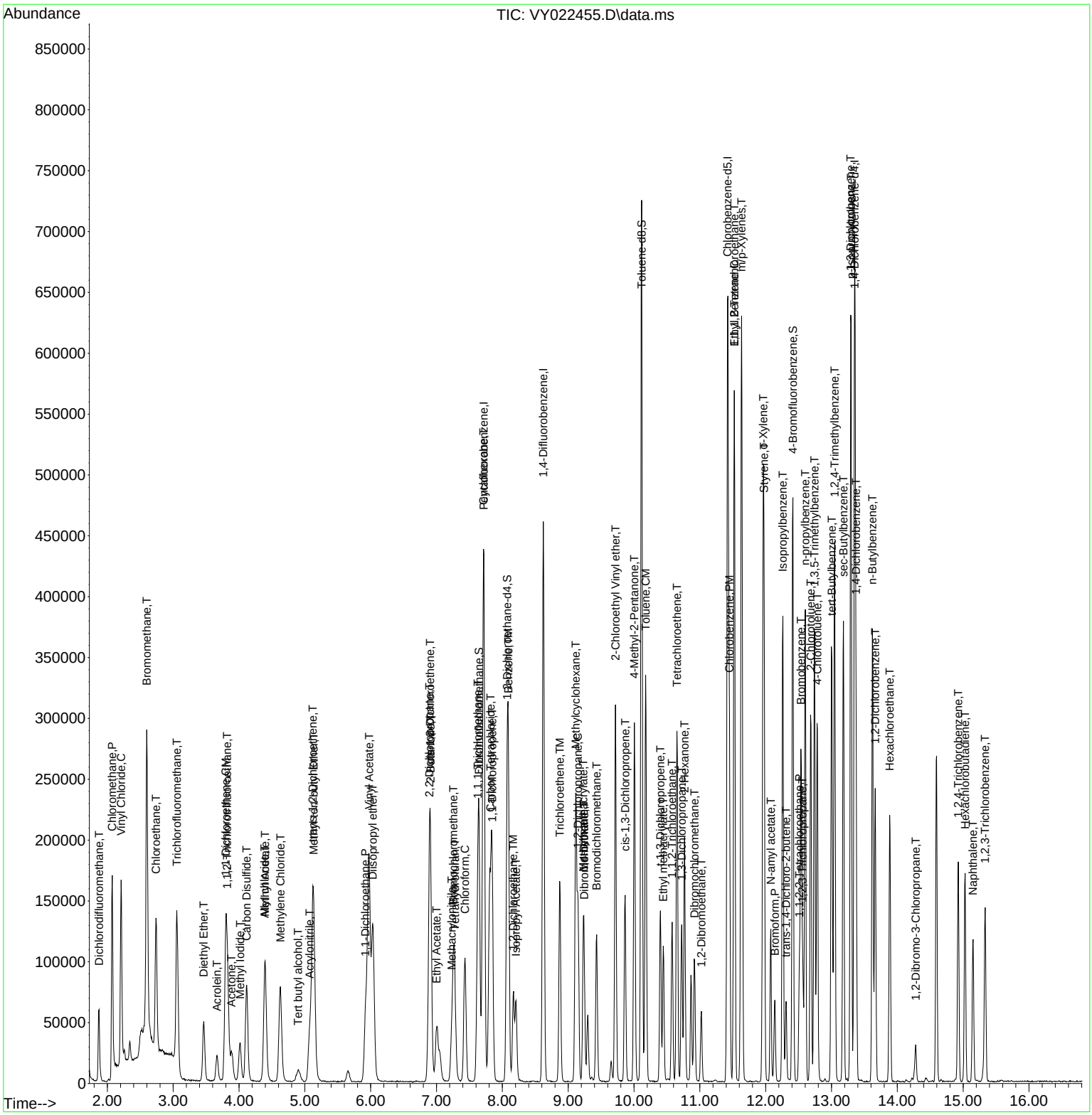
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052925\
Data File : VY022455.D
Acq On : 29 May 2025 09:27
Operator : SY/MD
Sample : VY0529SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 30 05:29:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260
QLast Update : Wed May 28 10:34:06 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0529SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/30/2025
Supervised By :Semsettin Yesilyurt 05/30/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022500.D
Acq On : 02 Jun 2025 16:24
Operator : SY/MD
Sample : VY0602SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jun 03 04:06:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0602SBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	201633	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	342745	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	291387	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	136847	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	114608	50.821	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 101.640%			
35) Dibromofluoromethane	7.634	113	105595	51.616	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.240%			
50) Toluene-d8	10.109	98	428859	51.881	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 103.760%			
62) 4-Bromofluorobenzene	12.408	95	124988	50.748	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 101.500%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	39935	22.122	ug/l	96
3) Chloromethane	2.068	50	101674	19.065	ug/l	96
4) Vinyl Chloride	2.202	62	126839	20.502	ug/l	99
5) Bromomethane	2.592	94	128977	21.751	ug/l	99
6) Chloroethane	2.733	64	88378	20.812	ug/l	94
7) Trichlorofluoromethane	3.050	101	116559	22.193	ug/l	95
8) Diethyl Ether	3.458	74	24924	21.072	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.818	101	45942	20.769	ug/l	99
10) Methyl Iodide	4.007	142	40495	16.916	ug/l	99
11) Tert butyl alcohol	4.872	59	16403	101.837	ug/l #	94
12) 1,1-Dichloroethene	3.787	96	43373	20.513	ug/l	97
13) Acrolein	3.653	56	21372	106.469	ug/l	99
14) Allyl chloride	4.385	41	67622	20.372	ug/l	98
15) Acrylonitrile	5.067	53	51228	102.265	ug/l	100
16) Acetone	3.873	43	39865	87.044	ug/l	100
17) Carbon Disulfide	4.110	76	137329	20.286	ug/l	99
18) Methyl Acetate	4.391	43	29232	21.554	ug/l	96
19) Methyl tert-butyl Ether	5.122	73	122005	20.486	ug/l	96
20) Methylene Chloride	4.616	84	49679	19.096	ug/l	93
21) trans-1,2-Dichloroethene	5.110	96	49459	20.900	ug/l	90
22) Diisopropyl ether	6.019	45	154177	20.867	ug/l	98
23) Vinyl Acetate	5.958	43	438115	100.183	ug/l	96
24) 1,1-Dichloroethane	5.921	63	89731	20.615	ug/l	100
25) 2-Butanone	6.896	43	63810	96.591	ug/l	99
26) 2,2-Dichloropropane	6.884	77	78015	20.285	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	56961	20.824	ug/l	97
28) Bromochloromethane	7.244	49	38081	20.070	ug/l	99
29) Tetrahydrofuran	7.268	42	42953	100.809	ug/l	99
30) Chloroform	7.427	83	90548	21.002	ug/l	92
31) Cyclohexane	7.701	56	87597	20.214	ug/l	96
32) 1,1,1-Trichloroethane	7.616	97	81457	21.283	ug/l	99
36) 1,1-Dichloropropene	7.835	75	67552	20.345	ug/l	100
37) Ethyl Acetate	6.988	43	30209	20.402	ug/l	99
38) Carbon Tetrachloride	7.817	117	68070	19.984	ug/l	99
39) Methylcyclohexane	9.109	83	91254	20.451	ug/l	98
40) Benzene	8.079	78	201994	20.597	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022500.D
Acq On : 02 Jun 2025 16:24
Operator : SY/MD
Sample : VY0602SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jun 03 04:06:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0602SBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.226	41	15554	17.984	ug/l	#	85
42) 1,2-Dichloroethane	8.158	62	55244	20.631	ug/l		100
43) Isopropyl Acetate	8.201	43	63478	19.850	ug/l		99
44) Trichloroethene	8.866	130	49225	20.538	ug/l		98
45) 1,2-Dichloropropane	9.140	63	48255	20.820	ug/l		98
46) Dibromomethane	9.231	93	26738	20.506	ug/l		98
47) Bromodichloromethane	9.426	83	69412	20.994	ug/l		98
48) Methyl methacrylate	9.219	41	29530	19.675	ug/l		98
49) 1,4-Dioxane	9.237	88	5855	379.032	ug/l	#	92
51) 4-Methyl-2-Pentanone	10.000	43	157411	98.730	ug/l		98
52) Toluene	10.170	92	123267	20.002	ug/l		99
53) t-1,3-Dichloropropene	10.396	75	61460	19.840	ug/l		98
54) cis-1,3-Dichloropropene	9.853	75	73669	20.429	ug/l		96
55) 1,1,2-Trichloroethane	10.573	97	33530	20.167	ug/l		95
56) Ethyl methacrylate	10.438	69	47531	19.779	ug/l		100
57) 1,3-Dichloropropane	10.719	76	60889	20.662	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.713	63	105730	96.908	ug/l		100
59) 2-Hexanone	10.762	43	102819	96.426	ug/l		99
60) Dibromochloromethane	10.914	129	42049	19.901	ug/l		98
61) 1,2-Dibromoethane	11.018	107	31360	20.694	ug/l		99
64) Tetrachloroethene	10.646	164	52041	20.762	ug/l		98
65) Chlorobenzene	11.444	112	130814	20.287	ug/l		94
66) 1,1,1,2-Tetrachloroethane	11.518	131	42902	19.751	ug/l		99
67) Ethyl Benzene	11.518	91	236616	19.784	ug/l		98
68) m/p-Xylenes	11.627	106	179501	39.592	ug/l		99
69) o-Xylene	11.957	106	84353	19.844	ug/l		99
70) Styrene	11.969	104	136180	19.381	ug/l		98
71) Bromoform	12.133	173	22650	19.595	ug/l	#	98
73) Isopropylbenzene	12.255	105	220709	19.645	ug/l		98
74) N-amyl acetate	12.072	43	53050	18.714	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.505	83	37051	20.093	ug/l		95
76) 1,2,3-Trichloropropane	12.554	75	27956m	17.857	ug/l		
77) Bromobenzene	12.530	156	45984	19.395	ug/l		95
78) n-propylbenzene	12.597	91	271685	19.799	ug/l		99
79) 2-Chlorotoluene	12.682	91	143224	19.693	ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	172628	19.571	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.304	75	12535	19.335	ug/l		96
82) 4-Chlorotoluene	12.780	91	147519	19.662	ug/l		100
83) tert-Butylbenzene	12.999	119	159035	20.089	ug/l		100
84) 1,2,4-Trimethylbenzene	13.042	105	172573	19.562	ug/l		100
85) sec-Butylbenzene	13.176	105	238665	19.684	ug/l		99
86) p-Isopropyltoluene	13.292	119	195572	19.569	ug/l		100
87) 1,3-Dichlorobenzene	13.286	146	92264	19.207	ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	91384	19.614	ug/l		99
89) n-Butylbenzene	13.615	91	187105	19.733	ug/l		99
90) Hexachloroethane	13.883	117	40235	20.679	ug/l		95
91) 1,2-Dichlorobenzene	13.657	146	81675	20.026	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	5636	20.993	ug/l		94
93) 1,2,4-Trichlorobenzene	14.919	180	46082	20.717	ug/l		98
94) Hexachlorobutadiene	15.023	225	26078	21.241	ug/l		97
95) Naphthalene	15.145	128	86538	20.273	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	39996	20.981	ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022500.D
Acq On : 02 Jun 2025 16:24
Operator : SY/MD
Sample : VY0602SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jun 03 04:06:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0602SBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

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

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

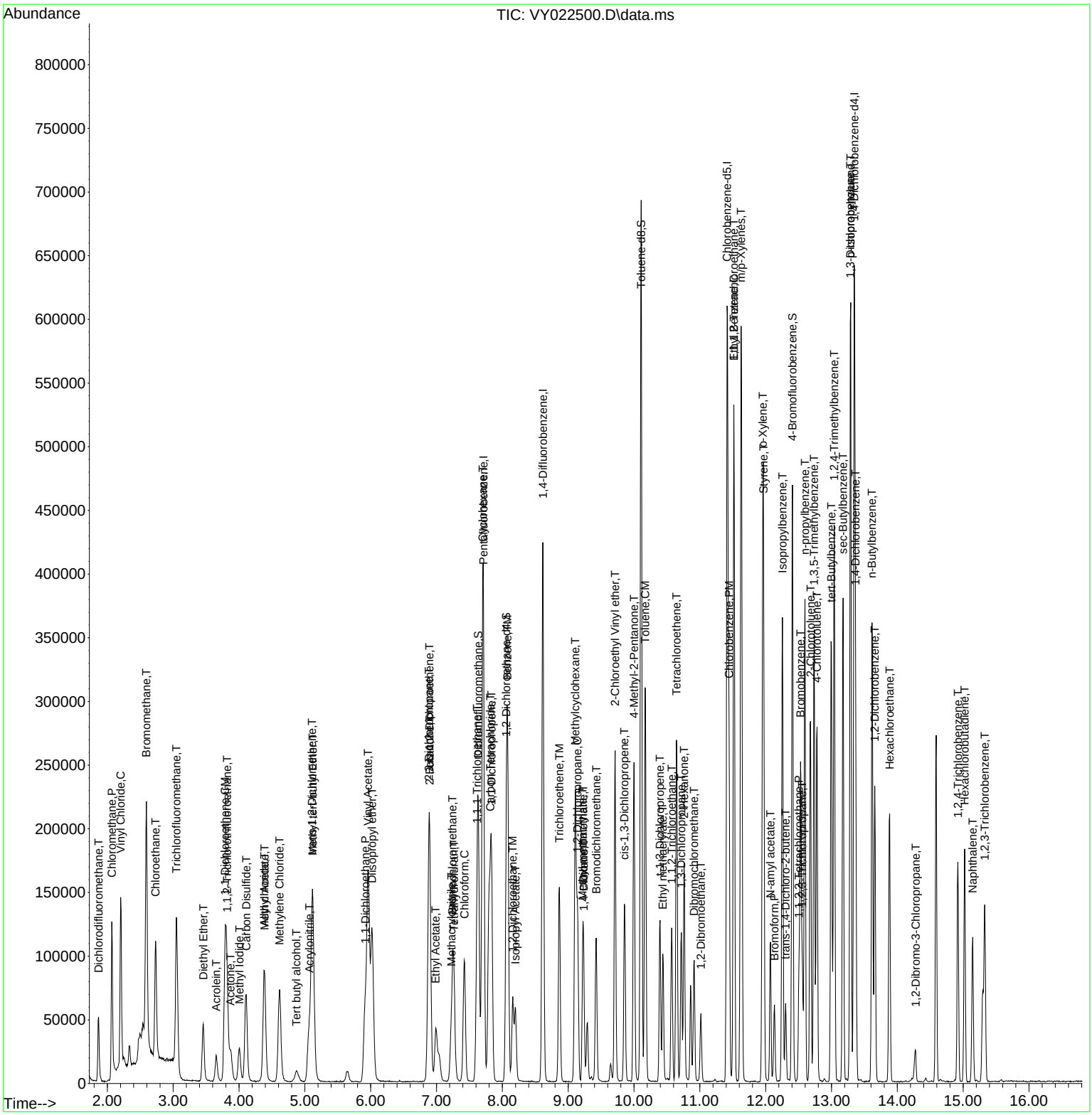
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022500.D
Acq On : 02 Jun 2025 16:24
Operator : SY/MD
Sample : VY0602SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jun 03 04:06:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0602SBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052925\
Data File : VY022456.D
Acq On : 29 May 2025 09:50
Operator : SY/MD
Sample : VY0529SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 30 05:30:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260
QLast Update : Wed May 28 10:34:06 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0529SBSD01

Manual Integrations APPROVED
Reviewed By :Mahesh Dadoda 05/30/2025
Supervised By :Semsettin Yesilyurt 05/30/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	205776	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	359832	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	305847	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	140548	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	119518	55.142	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 110.280%			
35) Dibromofluoromethane	7.640	113	110555	52.463	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.920%			
50) Toluene-d8	10.109	98	443079	51.578	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 103.160%			
62) 4-Bromofluorobenzene	12.408	95	129686	49.908	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 99.820%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	45950	23.405	ug/l	96
3) Chloromethane	2.068	50	127635	26.430	ug/l	99
4) Vinyl Chloride	2.208	62	143639	24.484	ug/l	98
5) Bromomethane	2.598	94	153498	28.792	ug/l	96
6) Chloroethane	2.739	64	103463	26.988	ug/l	99
7) Trichlorofluoromethane	3.050	101	125182	25.290	ug/l	97
8) Diethyl Ether	3.458	74	27089	23.735	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.818	101	46248	21.297	ug/l	100
10) Methyl Iodide	4.007	142	52695	21.509	ug/l	98
11) Tert butyl alcohol	4.897	59	18285	119.684	ug/l	99
12) 1,1-Dichloroethene	3.793	96	47557	22.059	ug/l	96
13) Acrolein	3.659	56	23667	103.387	ug/l	99
14) Allyl chloride	4.391	41	72904	22.480	ug/l	98
15) Acrylonitrile	5.068	53	53746	116.830	ug/l	100
16) Acetone	3.885	43	41379	116.179	ug/l	96
17) Carbon Disulfide	4.110	76	148882	21.639	ug/l	99
18) Methyl Acetate	4.391	43	33619	25.198	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	131747	23.017	ug/l	99
20) Methylene Chloride	4.629	84	53789	21.387	ug/l	97
21) trans-1,2-Dichloroethene	5.122	96	51482	21.873	ug/l	97
22) Diisopropyl ether	6.025	45	161945	22.626	ug/l	98
23) Vinyl Acetate	5.970	43	456630	111.108	ug/l	98
24) 1,1-Dichloroethane	5.921	63	96288	22.766	ug/l	99
25) 2-Butanone	6.903	43	68030	114.690	ug/l	99
26) 2,2-Dichloropropane	6.890	77	81729	21.341	ug/l	100
27) cis-1,2-Dichloroethene	6.896	96	59568	21.861	ug/l	99
28) Bromochloromethane	7.256	49	38824	21.983	ug/l	100
29) Tetrahydrofuran	7.274	42	46439	117.391	ug/l	98
30) Chloroform	7.427	83	94926	22.777	ug/l	98
31) Cyclohexane	7.707	56	86206	20.677	ug/l #	93
32) 1,1,1-Trichloroethane	7.622	97	81565	21.565	ug/l	98
36) 1,1-Dichloropropene	7.841	75	69669	20.835	ug/l	100
37) Ethyl Acetate	6.994	43	31627	22.255	ug/l	96
38) Carbon Tetrachloride	7.823	117	71355	20.484	ug/l	94
39) Methylcyclohexane	9.116	83	88788	19.975	ug/l	97
40) Benzene	8.085	78	212449	21.352	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052925\
Data File : VY022456.D
Acq On : 29 May 2025 09:50
Operator : SY/MD
Sample : VY0529SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 30 05:30:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260
QLast Update : Wed May 28 10:34:06 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0529SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/30/2025
Supervised By :Semsettin Yesilyurt 05/30/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.232	41	17862	20.709	ug/l		89
42) 1,2-Dichloroethane	8.165	62	57566	21.906	ug/l		100
43) Isopropyl Acetate	8.201	43	68235	21.973	ug/l	#	87
44) Trichloroethene	8.872	130	51499	20.937	ug/l		98
45) 1,2-Dichloropropane	9.146	63	51267	21.930	ug/l		96
46) Dibromomethane	9.238	93	28152	21.556	ug/l		98
47) Bromodichloromethane	9.427	83	72157	21.486	ug/l		99
48) Methyl methacrylate	9.225	41	31618	21.934	ug/l		100
49) 1,4-Dioxane	9.238	88	6628	459.490	ug/l		99
51) 4-Methyl-2-Pentanone	10.000	43	169643	110.718	ug/l		100
52) Toluene	10.176	92	127807	20.565	ug/l		99
53) t-1,3-Dichloropropene	10.402	75	66189	21.159	ug/l		96
54) cis-1,3-Dichloropropene	9.859	75	77958	21.209	ug/l		97
55) 1,1,2-Trichloroethane	10.573	97	35077	21.244	ug/l		95
56) Ethyl methacrylate	10.445	69	50615	21.361	ug/l		97
57) 1,3-Dichloropropane	10.719	76	62576	21.506	ug/l		98
58) 2-Chloroethyl Vinyl ether	9.713	63	124329	105.282	ug/l		98
59) 2-Hexanone	10.768	43	112377	111.915	ug/l		100
60) Dibromochloromethane	10.914	129	44484	21.090	ug/l		98
61) 1,2-Dibromoethane	11.018	107	32567	21.565	ug/l		100
64) Tetrachloroethene	10.652	164	54451	20.904	ug/l		97
65) Chlorobenzene	11.444	112	136170	20.880	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.518	131	45682	20.674	ug/l		98
67) Ethyl Benzene	11.524	91	245127	20.243	ug/l		99
68) m/p-Xylenes	11.633	106	183812	40.037	ug/l		100
69) o-Xylene	11.957	106	87779	20.343	ug/l		100
70) Styrene	11.975	104	146742	20.424	ug/l		100
71) Bromoform	12.133	173	24149	20.865	ug/l	#	97
73) Isopropylbenzene	12.255	105	226043	20.435	ug/l		99
74) N-amyl acetate	12.072	43	58739	21.701	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.511	83	37969	21.786	ug/l		99
76) 1,2,3-Trichloropropane	12.560	75	26369m	18.730	ug/l		
77) Bromobenzene	12.536	156	48852	20.522	ug/l		96
78) n-propylbenzene	12.597	91	274435	20.673	ug/l		98
79) 2-Chlorotoluene	12.682	91	148607	20.680	ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	179270	20.742	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	13230	21.252	ug/l		99
82) 4-Chlorotoluene	12.780	91	152410	20.594	ug/l		99
83) tert-Butylbenzene	12.999	119	157690	20.194	ug/l		98
84) 1,2,4-Trimethylbenzene	13.042	105	178877	20.566	ug/l		100
85) sec-Butylbenzene	13.176	105	238715	20.613	ug/l		100
86) p-Isopropyltoluene	13.292	119	196000	20.268	ug/l		100
87) 1,3-Dichlorobenzene	13.292	146	97966	20.454	ug/l		99
88) 1,4-Dichlorobenzene	13.371	146	97065	21.194	ug/l		99
89) n-Butylbenzene	13.621	91	188466	20.785	ug/l		100
90) Hexachloroethane	13.883	117	40139	20.858	ug/l		96
91) 1,2-Dichlorobenzene	13.657	146	84578	21.142	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	6003	22.291	ug/l		94
93) 1,2,4-Trichlorobenzene	14.919	180	48125	21.699	ug/l		97
94) Hexachlorobutadiene	15.023	225	24884	21.380	ug/l		97
95) Naphthalene	15.145	128	91603	22.342	ug/l		99
96) 1,2,3-Trichlorobenzene	15.334	180	39958	21.968	ug/l		97

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052925\
Data File : VY022456.D
Acq On : 29 May 2025 09:50
Operator : SY/MD
Sample : VY0529SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 30 05:30:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260
QLast Update : Wed May 28 10:34:06 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0529SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/30/2025
Supervised By :Semsettin Yesilyurt 05/30/2025

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

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

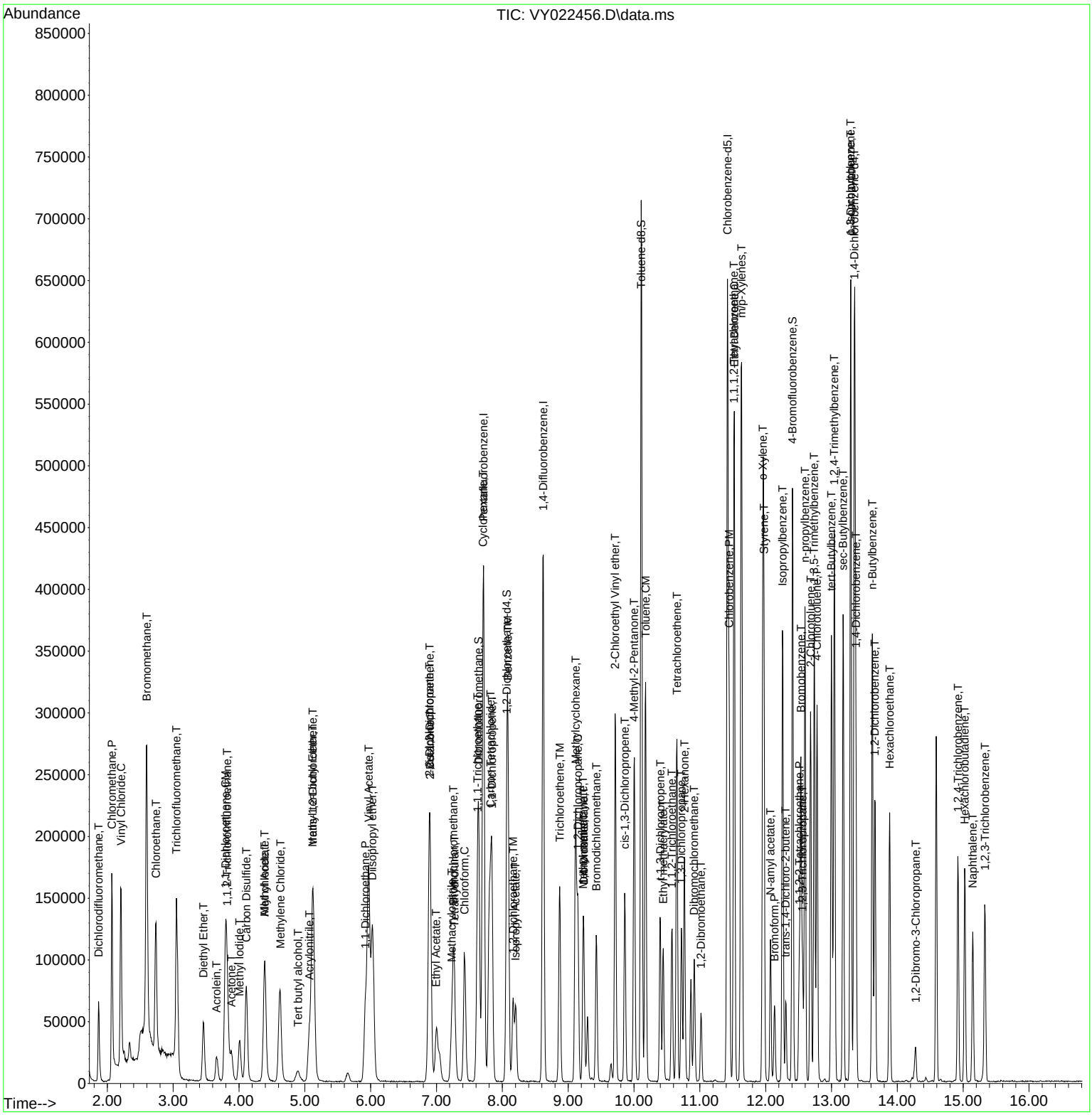
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052925\
Data File : VY022456.D
Acq On : 29 May 2025 09:50
Operator : SY/MD
Sample : VY0529SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 30 05:30:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260
QLast Update : Wed May 28 10:34:06 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0529SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/30/2025
Supervised By :Semsettin Yesilyurt 05/30/2025



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

Manual Integration Report

Sequence:	VY052725	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC005	VY022421.D	1,2,3-Trichloropropane	Amit	5/28/2025 12:55:29 PM	MMDadoda	5/28/2025 12:56:04 PM	Peak Integrated by Software
VSTDICC005	VY022421.D	Methacrylonitrile	Amit	5/28/2025 12:55:29 PM	MMDadoda	5/28/2025 12:56:04 PM	Peak Integrated by Software
VSTDICC005	VY022421.D	Tert butyl alcohol	Amit	5/28/2025 12:55:29 PM	MMDadoda	5/28/2025 12:56:04 PM	Peak Integrated by Software
VSTDICC010	VY022422.D	1,2,3-Trichloropropane	Amit	5/28/2025 12:55:43 PM	MMDadoda	5/28/2025 12:56:10 PM	Peak Integrated by Software
VSTDICC010	VY022422.D	Methacrylonitrile	Amit	5/28/2025 12:55:43 PM	MMDadoda	5/28/2025 12:56:10 PM	Peak Integrated by Software
VSTDICC020	VY022423.D	1,2,3-Trichloropropane	Amit	5/28/2025 12:55:47 PM	MMDadoda	5/28/2025 12:56:14 PM	Peak Integrated by Software
VSTDICC020	VY022423.D	Methacrylonitrile	Amit	5/28/2025 12:55:47 PM	MMDadoda	5/28/2025 12:56:14 PM	Peak Integrated by Software
VSTDICCC050	VY022424.D	1,2,3-Trichloropropane	Amit	5/28/2025 12:55:51 PM	MMDadoda	5/28/2025 12:56:29 PM	Peak Integrated by Software
VSTDICC100	VY022425.D	1,2,3-Trichloropropane	Amit	5/28/2025 12:55:55 PM	MMDadoda	5/28/2025 12:56:33 PM	Peak Integrated by Software
VSTDICC150	VY022426.D	1,2,3-Trichloropropane	Amit	5/28/2025 12:55:59 PM	MMDadoda	5/28/2025 12:56:36 PM	Peak Integrated by Software
VSTDICC150	VY022426.D	Methacrylonitrile	Amit	5/28/2025 12:55:59 PM	MMDadoda	5/28/2025 12:56:36 PM	Peak Integrated by Software
VSTDICV050	VY022428.D	1,2,3-Trichloropropane	Amit	5/28/2025 12:56:03 PM	MMDadoda	5/28/2025 12:56:40 PM	Peak Integrated by Software
VSTDICV050	VY022428.D	Methacrylonitrile	Amit	5/28/2025 12:56:03 PM	MMDadoda	5/28/2025 12:56:40 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	VY052725	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VY022438.D	1,2,3-Trichloropropane	Amit	5/28/2025 12:56:20 PM	MMDadoda	5/28/2025 12:56:54 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	VY052925	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VY022453.D	1,2,3-Trichloropropane	MMDadoda	5/30/2025 12:21:39 PM	Sam	5/30/2025 12:27:00 PM	Peak Integrated by Software
VSTDCCC050	VY022453.D	Methacrylonitrile	MMDadoda	5/30/2025 12:21:39 PM	Sam	5/30/2025 12:27:00 PM	Peak Integrated by Software
VY0529SBS01	VY022455.D	1,2,3-Trichloropropane	MMDadoda	5/30/2025 12:21:40 PM	Sam	5/30/2025 12:27:01 PM	Peak Integrated by Software
VY0529SBSD01	VY022456.D	1,2,3-Trichloropropane	MMDadoda	5/30/2025 12:21:44 PM	Sam	5/30/2025 12:27:03 PM	Peak Integrated by Software
VSTDCCC050	VY022470.D	1,2,3-Trichloropropane	MMDadoda	5/30/2025 12:21:50 PM	Sam	5/30/2025 12:27:07 PM	Peak Integrated by Software
VSTDCCC050	VY022470.D	Methacrylonitrile	MMDadoda	5/30/2025 12:21:50 PM	Sam	5/30/2025 12:27:07 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	vy060225	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC005	VY022491.D	1,2,3-Trichloropropane	SAM	6/3/2025 8:26:25 AM	MMDadoda	6/3/2025 2:38:13 PM	Peak Integrated by Software
VSTDICC005	VY022491.D	1,4-Dioxane	SAM	6/3/2025 8:26:25 AM	MMDadoda	6/3/2025 2:38:13 PM	Peak Integrated by Software
VSTDICC005	VY022491.D	Ethyl Acetate	SAM	6/3/2025 8:26:25 AM	MMDadoda	6/3/2025 2:38:13 PM	Peak Integrated by Software
VSTDICC010	VY022492.D	1,2,3-Trichloropropane	SAM	6/3/2025 8:26:30 AM	MMDadoda	6/3/2025 2:38:15 PM	Peak Integrated by Software
VSTDICC010	VY022492.D	Dibromomethane	SAM	6/3/2025 8:26:30 AM	MMDadoda	6/3/2025 2:38:15 PM	Peak Integrated by Software
VSTDICC010	VY022492.D	Methacrylonitrile	SAM	6/3/2025 8:26:30 AM	MMDadoda	6/3/2025 2:38:15 PM	Peak Integrated by Software
VSTDICC020	VY022493.D	1,2,3-Trichloropropane	SAM	6/3/2025 8:28:00 AM	MMDadoda	6/3/2025 2:38:17 PM	Peak Integrated by Software
VSTDICCC050	VY022494.D	1,2,3-Trichloropropane	SAM	6/3/2025 8:28:05 AM	MMDadoda	6/3/2025 2:38:19 PM	Peak Integrated by Software
VSTDICC100	VY022495.D	1,2,3-Trichloropropane	SAM	6/3/2025 8:26:35 AM	MMDadoda	6/3/2025 2:38:20 PM	Peak Integrated by Software
VSTDICC100	VY022495.D	Methacrylonitrile	SAM	6/3/2025 8:26:35 AM	MMDadoda	6/3/2025 2:38:20 PM	Peak Integrated by Software
VSTDICC150	VY022496.D	1,2,3-Trichloropropane	SAM	6/3/2025 8:28:09 AM	MMDadoda	6/3/2025 2:38:22 PM	Peak Integrated by Software
VSTDICV050	VY022498.D	1,2,3-Trichloropropane	SAM	6/3/2025 8:26:42 AM	MMDadoda	6/3/2025 2:38:25 PM	Peak Integrated by Software
VY0602SBS01	VY022500.D	1,2,3-Trichloropropane	SAM	6/3/2025 8:26:52 AM	MMDadoda	6/3/2025 2:38:26 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	vy060225	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VY022509.D	1,2,3-Trichloropropane	SAM	6/3/2025 8:27:00 AM	MMDadoda	6/3/2025 2:38:29 PM	Peak Integrated by Software

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

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY052725

Review By	Amit Patel	Review On	5/28/2025 12:56:58 PM				
Supervise By	Mahesh Dadoda	Supervise On	5/28/2025 12:57:05 PM				
SubDirectory	VY052725	HP Acquire Method	MSVOA_Y	HP Processing Method	82y052725s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP134020
Initial Calibration Stds	VP134021,VP134022,VP134024,VP134026,VP134028,VP134029
CCC	VP134031
Internal Standard/PEM	VP133934
ICV/I.BLK	VP134030
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY022420.D	27 May 2025 08:20	SY/MD	Ok
2	VSTDICC005	VY022421.D	27 May 2025 08:50	SY/MD	Ok,M
3	VSTDICC010	VY022422.D	27 May 2025 09:14	SY/MD	Ok,M
4	VSTDICC020	VY022423.D	27 May 2025 09:36	SY/MD	Ok,M
5	VSTDICCC050	VY022424.D	27 May 2025 09:59	SY/MD	Ok,M
6	VSTDICC100	VY022425.D	27 May 2025 10:22	SY/MD	Ok,M
7	VSTDICC150	VY022426.D	27 May 2025 10:44	SY/MD	Ok,M
8	VIBLK	VY022427.D	27 May 2025 11:20	SY/MD	Ok
9	VSTDICV050	VY022428.D	27 May 2025 11:56	SY/MD	Ok,M
10	VY0527SBL01	VY022429.D	27 May 2025 13:12	SY/MD	Ok
11	VY0527SBS01	VY022430.D	27 May 2025 13:35	SY/MD	Ok,M
12	VY0527SBSD01	VY022431.D	27 May 2025 13:57	SY/MD	Ok,M
13	Q2118-11RE	VY022432.D	27 May 2025 14:27	SY/MD	Confirms
14	Q2113-01	VY022433.D	27 May 2025 14:51	SY/MD	Not Ok
15	Q2128-03	VY022434.D	27 May 2025 15:14	SY/MD	Ok
16	Q2127-11RE	VY022435.D	27 May 2025 15:38	SY/MD	Confirms
17	Q2130-01	VY022436.D	27 May 2025 16:01	SY/MD	Ok
18	VIBLK	VY022437.D	27 May 2025 16:24	SY/MD	Ok
19	VSTDCCC050	VY022438.D	27 May 2025 17:10	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 # VY052925

Review By	Mahesh Dadoda	Review On	5/30/2025 12:21:56 PM				
Supervise By	Semsettin Yesilyurt	Supervise On	5/30/2025 12:28:04 PM				
SubDirectory	VY052925	HP Acquire Method	MSVOA_Y	HP Processing Method	82y052725s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP134049
Initial Calibration Stds	
CCC	VP134050,VP134051
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	VY022452.D	29 May 2025 07:54	SY/MD	Ok
2	VSTDCCC050	VY022453.D	29 May 2025 08:23	SY/MD	Ok,M
3	VY0529SBL01	VY022454.D	29 May 2025 08:56	SY/MD	Ok
4	VY0529SBS01	VY022455.D	29 May 2025 09:27	SY/MD	Ok,M
5	VY0529SBSD01	VY022456.D	29 May 2025 09:50	SY/MD	Ok,M
6	Q2126-03	VY022457.D	29 May 2025 10:53	SY/MD	ReRun
7	Q2126-03	VY022458.D	29 May 2025 11:38	SY/MD	ReRun
8	Q2147-02	VY022459.D	29 May 2025 12:02	SY/MD	Ok
9	Q2150-01	VY022460.D	29 May 2025 12:25	SY/MD	Ok
10	Q2150-02	VY022461.D	29 May 2025 12:49	SY/MD	ReRun
11	Q2150-03	VY022462.D	29 May 2025 13:12	SY/MD	Ok
12	Q2150-04	VY022463.D	29 May 2025 13:36	SY/MD	Ok
13	Q2150-05	VY022464.D	29 May 2025 13:59	SY/MD	ReRun
14	Q2150-06	VY022465.D	29 May 2025 14:22	SY/MD	Ok
15	Q2150-07	VY022466.D	29 May 2025 14:46	SY/MD	Ok
16	Q2150-08	VY022467.D	29 May 2025 15:09	SY/MD	Ok
17	Q2150-09	VY022468.D	29 May 2025 15:33	SY/MD	Ok
18	Q2150-10	VY022469.D	29 May 2025 15:56	SY/MD	Ok
19	VSTDCCC050	VY022470.D	29 May 2025 17:04	SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY060225

Review By	Mahesh Dadoda	Review On	6/3/2025 2:38:36 PM				
Supervise By	Semsettin Yesilyurt	Supervise On	6/3/2025 2:39:16 PM				
SubDirectory	VY060225	HP Acquire Method	MSVOA_Y	HP Processing Method	82Y060225S.M		

STD. NAME	STD REF.#
Tune/Reschk	VP134084
Initial Calibration Stds	VP134085,VP134086,VP134087,VP134088,VP134089,VP134090
CCC	VP134092,VP134093
Internal Standard/PEM	VP133934
ICV/I.BLK	VP134091
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY022488.D	02 Jun 2025 08:31	SY/MD	Ok
2	VSTDCCC050	VY022489.D	02 Jun 2025 09:08	SY/MD	Not Ok
3	VY0602SBL01	VY022490.D	02 Jun 2025 10:38	SY/MD	Not Ok
4	VSTDICC005	VY022491.D	02 Jun 2025 11:46	SY/MD	Ok,M
5	VSTDICC010	VY022492.D	02 Jun 2025 12:09	SY/MD	Ok,M
6	VSTDICC020	VY022493.D	02 Jun 2025 12:32	SY/MD	Ok,M
7	VSTDICCC050	VY022494.D	02 Jun 2025 12:54	SY/MD	Ok,M
8	VSTDICC100	VY022495.D	02 Jun 2025 13:17	SY/MD	Ok,M
9	VSTDICC150	VY022496.D	02 Jun 2025 13:39	SY/MD	Ok,M
10	VIBLK	VY022497.D	02 Jun 2025 14:03	SY/MD	Ok
11	VSTDICV050	VY022498.D	02 Jun 2025 14:59	SY/MD	Ok,M
12	VY0602SBL02	VY022499.D	02 Jun 2025 16:00	SY/MD	Ok
13	VY0602SBS01	VY022500.D	02 Jun 2025 16:24	SY/MD	Ok,M
14	VY0602SBSD01	VY022501.D	02 Jun 2025 16:47	SY/MD	Ok,M
15	Q2160-02	VY022502.D	02 Jun 2025 17:10	SY/MD	Ok
16	Q2152-01	VY022503.D	02 Jun 2025 17:34	SY/MD	Not Ok
17	Q2153-01RE	VY022504.D	02 Jun 2025 17:57	SY/MD	Confirms
18	Q2147-02	VY022505.D	02 Jun 2025 18:21	SY/MD	Not Ok
19	Q2150-02	VY022506.D	02 Jun 2025 18:44	SY/MD	Ok
20	Q2150-05RE	VY022507.D	02 Jun 2025 19:08	SY/MD	Confirms
21	Q2161-01	VY022508.D	02 Jun 2025 19:31	SY/MD	Not Ok

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY060225

Review By	Mahesh Dadoda	Review On	6/3/2025 2:38:36 PM				
Supervise By	Semsettin Yesilyurt	Supervise On	6/3/2025 2:39:16 PM				
SubDirectory	VY060225	HP Acquire Method	MSVOA_Y	HP Processing Method	82Y060225S.M		

STD. NAME	STD REF.#
Tune/Reschk	VP134084
Initial Calibration Stds	VP134085,VP134086,VP134087,VP134088,VP134089,VP134090
CCC	VP134092,VP134093
Internal Standard/PEM	VP133934
ICV/I.BLK	VP134091
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	VSTDCCC050	VY022509.D	02 Jun 2025 19:54	SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY052725

Review By	Amit Patel	Review On	5/28/2025 12:56:58 PM		
Supervise By	Mahesh Dadoda	Supervise On	5/28/2025 12:57:05 PM		
SubDirectory	VY052725	HP Acquire Method	MSVOA_Y	HP Processing Method	82y052725s.m

STD. NAME	STD REF.#
Tune/Reschk	VP134020
Initial Calibration Stds	VP134021,VP134022,VP134024,VP134026,VP134028,VP134029
CCC	VP134031
Internal Standard/PEM	VP133934
ICV/I.BLK	VP134030
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY022420.D	27 May 2025 08:20		SY/MD	Ok
2	VSTDICC005	VSTDICC005	VY022421.D	27 May 2025 08:50		SY/MD	Ok,M
3	VSTDICC010	VSTDICC010	VY022422.D	27 May 2025 09:14		SY/MD	Ok,M
4	VSTDICC020	VSTDICC020	VY022423.D	27 May 2025 09:36		SY/MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VY022424.D	27 May 2025 09:59		SY/MD	Ok,M
6	VSTDICC100	VSTDICC100	VY022425.D	27 May 2025 10:22		SY/MD	Ok,M
7	VSTDICC150	VSTDICC150	VY022426.D	27 May 2025 10:44		SY/MD	Ok,M
8	VIBLK	VIBLK	VY022427.D	27 May 2025 11:20		SY/MD	Ok
9	VSTDICV050	ICVVY052725	VY022428.D	27 May 2025 11:56		SY/MD	Ok,M
10	VY0527SBL01	VY0527SBL01	VY022429.D	27 May 2025 13:12		SY/MD	Ok
11	VY0527SBS01	VY0527SBS01	VY022430.D	27 May 2025 13:35		SY/MD	Ok,M
12	VY0527SBSD01	VY0527SBSD01	VY022431.D	27 May 2025 13:57		SY/MD	Ok,M
13	Q2118-11RE	BP-VPB-182-GW-500-5	VY022432.D	27 May 2025 14:27	vial-B Surrogate Fail	SY/MD	Confirms
14	Q2113-01	HD-02-05222025	VY022433.D	27 May 2025 14:51	vial-B not purged	SY/MD	Not Ok
15	Q2128-03	TP03-MHM-VOC	VY022434.D	27 May 2025 15:14	vial-A	SY/MD	Ok
16	Q2127-11RE	COMP-2RE	VY022435.D	27 May 2025 15:38	vial-B Internal Standard Fail	SY/MD	Confirms
17	Q2130-01	TP-3	VY022436.D	27 May 2025 16:01	vial-A	SY/MD	Ok
18	VIBLK	VIBLK	VY022437.D	27 May 2025 16:24		SY/MD	Ok

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY052725

Review By	Amit Patel	Review On	5/28/2025 12:56:58 PM		
Supervise By	Mahesh Dadoda	Supervise On	5/28/2025 12:57:05 PM		
SubDirectory	VY052725	HP Acquire Method	MSVOA_Y	HP Processing Method	82y052725s.m

STD. NAME	STD REF.#
Tune/Reschk	VP134020
Initial Calibration Stds	VP134021,VP134022,VP134024,VP134026,VP134028,VP134029
CCC	VP134031
Internal Standard/PEM	VP133934
ICV/I.BLK	VP134030
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	VSTDCCC050	VSTDCCC050EC	VY022438.D	27 May 2025 17:10		SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY052925

Review By	Mahesh Dadoda	Review On	5/30/2025 12:21:56 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	5/30/2025 12:28:04 PM		
SubDirectory	VY052925	HP Acquire Method	MSVOA_Y	HP Processing Method	82y052725s.m

STD. NAME	STD REF.#
Tune/Reschk	VP134049
Initial Calibration Stds	
CCC	VP134050,VP134051
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	VY022452.D	29 May 2025 07:54		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY022453.D	29 May 2025 08:23	CCAL failed low for comp. #13	SY/MD	Ok,M
3	VY0529SBL01	VY0529SBL01	VY022454.D	29 May 2025 08:56		SY/MD	Ok
4	VY0529SBS01	VY0529SBS01	VY022455.D	29 May 2025 09:27		SY/MD	Ok,M
5	VY0529SBSD01	VY0529SBSD01	VY022456.D	29 May 2025 09:50		SY/MD	Ok,M
6	Q2126-03	MDL-SOIL-03-QT2-202	VY022457.D	29 May 2025 10:53	CCAL failed low	SY/MD	ReRun
7	Q2126-03	MDL-SOIL-03-QT2-202	VY022458.D	29 May 2025 11:38	CCAL failed low	SY/MD	ReRun
8	Q2147-02	VOC	VY022459.D	29 May 2025 12:02	vial-A Internal Standard Fail;	SY/MD	Ok
9	Q2150-01	TP-44	VY022460.D	29 May 2025 12:25	vial-A	SY/MD	Ok
10	Q2150-02	TP-42	VY022461.D	29 May 2025 12:49	vial-A Internal Standard Fail	SY/MD	ReRun
11	Q2150-03	TP-39	VY022462.D	29 May 2025 13:12	vial-A	SY/MD	Ok
12	Q2150-04	TP-48	VY022463.D	29 May 2025 13:36	vial-A	SY/MD	Ok
13	Q2150-05	TP-47	VY022464.D	29 May 2025 13:59	vial-A Internal Standard Fail; Surrogate fail	SY/MD	ReRun
14	Q2150-06	TP-50	VY022465.D	29 May 2025 14:22	vial-A	SY/MD	Ok
15	Q2150-07	TP-51	VY022466.D	29 May 2025 14:46	vial-A	SY/MD	Ok
16	Q2150-08	TP-52	VY022467.D	29 May 2025 15:09	vial-A	SY/MD	Ok
17	Q2150-09	TP-54	VY022468.D	29 May 2025 15:33	vial-A	SY/MD	Ok

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY052925

Review By	Mahesh Dadoda	Review On	5/30/2025 12:21:56 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	5/30/2025 12:28:04 PM		
SubDirectory	VY052925	HP Acquire Method	MSVOA_Y	HP Processing Method	82y052725s.m

STD. NAME	STD REF.#
Tune/Reschk	VP134049
Initial Calibration Stds	
CCC	VP134050,VP134051
Internal Standard/PEM	VP133934
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	Q2150-10	TP-53	VY022469.D	29 May 2025 15:56	vial-A	SY/MD	Ok
19	VSTDCCC050	VSTDCCC050EC	VY022470.D	29 May 2025 17:04		SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY060225

Review By	Mahesh Dadoda	Review On	6/3/2025 2:38:36 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	6/3/2025 2:39:16 PM		
SubDirectory	VY060225	HP Acquire Method	MSVOA_Y	HP Processing Method	82Y060225S.M

STD. NAME	STD REF.#
Tune/Reschk	VP134084
Initial Calibration Stds	VP134085,VP134086,VP134087,VP134088,VP134089,VP134090
CCC	VP134092,VP134093
Internal Standard/PEM	VP133934
ICV/I.BLK	VP134091
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY022488.D	02 Jun 2025 08:31		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY022489.D	02 Jun 2025 09:08	Need ICAL	SY/MD	Not Ok
3	VY0602SBL01	VY0602SBL01	VY022490.D	02 Jun 2025 10:38		SY/MD	Not Ok
4	VSTDICC005	VSTDICC005	VY022491.D	02 Jun 2025 11:46		SY/MD	Ok,M
5	VSTDICC010	VSTDICC010	VY022492.D	02 Jun 2025 12:09		SY/MD	Ok,M
6	VSTDICC020	VSTDICC020	VY022493.D	02 Jun 2025 12:32		SY/MD	Ok,M
7	VSTDICCC050	VSTDICCC050	VY022494.D	02 Jun 2025 12:54		SY/MD	Ok,M
8	VSTDICC100	VSTDICC100	VY022495.D	02 Jun 2025 13:17		SY/MD	Ok,M
9	VSTDICC150	VSTDICC150	VY022496.D	02 Jun 2025 13:39		SY/MD	Ok,M
10	VIBLK	VIBLK	VY022497.D	02 Jun 2025 14:03		SY/MD	Ok
11	VSTDICV050	ICVVY060225	VY022498.D	02 Jun 2025 14:59	Icv Fail For DOD For Com.# 18	SY/MD	Ok,M
12	VY0602SBL02	VY0602SBL02	VY022499.D	02 Jun 2025 16:00		SY/MD	Ok
13	VY0602SBS01	VY0602SBS01	VY022500.D	02 Jun 2025 16:24		SY/MD	Ok,M
14	VY0602SBSD01	VY0602SBSD01	VY022501.D	02 Jun 2025 16:47		SY/MD	Ok,M
15	Q2160-02	TP04-MHG-VOC	VY022502.D	02 Jun 2025 17:10	vial A	SY/MD	Ok
16	Q2152-01	OK-02-05292025	VY022503.D	02 Jun 2025 17:34	Not Purged,vial B	SY/MD	Not Ok
17	Q2153-01RE	TR-04-0592025RE	VY022504.D	02 Jun 2025 17:57	Surrogate Fail;Internal Standard Fail, vial B	SY/MD	Confirms

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY060225

Review By	Mahesh Dadoda	Review On	6/3/2025 2:38:36 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	6/3/2025 2:39:16 PM		
SubDirectory	VY060225	HP Acquire Method	MSVOA_Y	HP Processing Method	82Y060225S.M

STD. NAME	STD REF.#
Tune/Reschk	VP134084
Initial Calibration Stds	VP134085,VP134086,VP134087,VP134088,VP134089,VP134090
CCC	VP134092,VP134093
Internal Standard/PEM	VP133934
ICV/I.BLK	VP134091
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	Q2147-02	VOC	VY022505.D	02 Jun 2025 18:21	Not purge,vial B	SY/MD	Not Ok
19	Q2150-02	TP-42	VY022506.D	02 Jun 2025 18:44	vial B	SY/MD	Ok
20	Q2150-05RE	TP-47RE	VY022507.D	02 Jun 2025 19:08	Internal Standard Fail,vial B	SY/MD	Confirms
21	Q2161-01	B27-SOIL-SAMPLE	VY022508.D	02 Jun 2025 19:31	vial-B Not purge	SY/MD	Not Ok
22	VSTDCCC050	VSTDCCC050EC	VY022509.D	02 Jun 2025 19:54		SY/MD	Ok,M

M : Manual Integration

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LAB CHRONICLE

OrderID:	Q2150	**OrderDate:**	5/28/2025 3:53:00 PM
Client:	CDM Smith	**Project:**	South River WM Replacement
Contact:	Marcie Ann Encinas	**Location:**	L41,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2150-01	**TP-44**	**SOIL**			**05/27/25**			**05/28/25**
			VOC-TCLVOA-10	8260D			05/29/25	
Q2150-02	**TP-42**	**SOIL**			**05/27/25**			**05/28/25**
			VOC-TCLVOA-10	8260D			06/02/25	
Q2150-03	**TP-39**	**SOIL**			**05/27/25**			**05/28/25**
			VOC-TCLVOA-10	8260D			05/29/25	
Q2150-04	**TP-48**	**SOIL**			**05/27/25**			**05/28/25**
			VOC-TCLVOA-10	8260D			05/29/25	
Q2150-05	**TP-47**	**SOIL**			**05/27/25**			**05/28/25**
			VOC-TCLVOA-10	8260D			05/29/25	
Q2150-05RE	**TP-47RE**	**SOIL**			**05/27/25**			**05/28/25**
			VOC-TCLVOA-10	8260D			06/02/25	
Q2150-06	**TP-50**	**SOIL**			**05/27/25**			**05/28/25**
			VOC-TCLVOA-10	8260D			05/29/25	
Q2150-07	**TP-51**	**SOIL**			**05/27/25**			**05/28/25**
			VOC-TCLVOA-10	8260D			05/29/25	
Q2150-08	**TP-52**	**SOIL**			**05/28/25**			**05/28/25**
			VOC-TCLVOA-10	8260D			05/29/25	
Q2150-09	**TP-54**	**SOIL**			**05/28/25**			**05/28/25**
			VOC-TCLVOA-10	8260D			05/29/25	
Q2150-10	**TP-53**	**SOIL**			**05/28/25**			**05/28/25**
			VOC-TCLVOA-10	8260D			05/29/25	

SAMPLE DATA

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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-44	SDG No.:	Q2150
Lab Sample ID:	Q2150-01	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	78.9 Decanted:
Sample Wt/Vol:	6.5 Units: g	Final Vol:	5 mL
Soil Aliquot Vol:	uL	Test:	Gasoline Range Organics
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
FB031840.D	1	06/02/25 14:15	FB060225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	13.0	J	8.00	44.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	19.8		50 - 150	99%	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
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	CDM Smith	Date Collected:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-42	SDG No.:	Q2150
Lab Sample ID:	Q2150-02	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	86.2 Decanted:
Sample Wt/Vol:	5.05 Units: g	Final Vol:	5 mL
Soil Aliquot Vol:	uL	Test:	Gasoline Range Organics
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
FB031852.D	1	06/02/25 20:12	FB060225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	12.0	J	9.00	52.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	14.6		50 - 150	73%	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:	CDM Smith	Date Collected:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-39	SDG No.:	Q2150
Lab Sample ID:	Q2150-03	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	83.7 Decanted:
Sample Wt/Vol:	6.22 Units: g	Final Vol:	5 mL
Soil Aliquot Vol:	uL	Test:	Gasoline Range Organics
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
FB031842.D	1	06/02/25 15:10	FB060225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	11.0	J	8.00	43.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	20.7		50 - 150	104%	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:	CDM Smith	Date Collected:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-48	SDG No.:	Q2150
Lab Sample ID:	Q2150-04	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	80.7 Decanted:
Sample Wt/Vol:	6.73 Units: g	Final Vol:	5 mL
Soil Aliquot Vol:	uL	Test:	Gasoline Range Organics
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
FB031843.D	1	06/02/25 15:38	FB060225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	13.0	J	8.00	41.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	5.64	*	50 - 150	28%	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:	CDM Smith	Date Collected:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-47	SDG No.:	Q2150
Lab Sample ID:	Q2150-05	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	81 Decanted:
Sample Wt/Vol:	4 Units: g	Final Vol:	5 mL
Soil Aliquot Vol:	uL	Test:	Gasoline Range Organics
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
FB031844.D	1	06/02/25 16:06	FB060225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	31.0	J	13.0	69.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	24.0		50 - 150	120%	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:	CDM Smith	Date Collected:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-50	SDG No.:	Q2150
Lab Sample ID:	Q2150-06	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	86 Decanted:
Sample Wt/Vol:	4.96 Units: g	Final Vol:	5 mL
Soil Aliquot Vol:	uL	Test:	Gasoline Range Organics
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
FB031847.D	1	06/02/25 17:55	FB060225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	13.0	J	10.0	53.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	19.5		50 - 150	97%	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:	CDM Smith	Date Collected:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-51	SDG No.:	Q2150
Lab Sample ID:	Q2150-07	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	83.7 Decanted:
Sample Wt/Vol:	5.9 Units: g	Final Vol:	5 mL
Soil Aliquot Vol:	uL	Test:	Gasoline Range Organics
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
FB031848.D	1	06/02/25 18:23	FB060225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	19.0	J	8.00	46.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	18.2		50 - 150	91%	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:	CDM Smith	Date Collected:	05/28/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-52	SDG No.:	Q2150
Lab Sample ID:	Q2150-08	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	85.7 Decanted:
Sample Wt/Vol:	6.25 Units: g	Final Vol:	5 mL
Soil Aliquot Vol:	uL	Test:	Gasoline Range Organics
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
FB031849.D	1	06/02/25 18:50	FB060225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	36.0	J	8.00	42.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	20.7		50 - 150	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:	CDM Smith	Date Collected:	05/28/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-54	SDG No.:	Q2150
Lab Sample ID:	Q2150-09	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	83.6 Decanted:
Sample Wt/Vol:	7 Units: g	Final Vol:	5 mL
Soil Aliquot Vol:	uL	Test:	Gasoline Range Organics
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
FB031860.D	1	06/03/25 11:18	FB060325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	13.0	J	7.00	38.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	24.1		50 - 150	120%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
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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:	CDM Smith	Date Collected:	05/28/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-53	SDG No.:	Q2150
Lab Sample ID:	Q2150-10	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	85.3 Decanted:
Sample Wt/Vol:	7.37 Units: g	Final Vol:	5 mL
Soil Aliquot Vol:	uL	Test:	Gasoline Range Organics
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
FB031863.D	50	06/03/25 13:05	FB060325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	471	J	328	1790	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	19.3		50 - 150	96%	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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SOIL GASOLINE RANGE ORGANICS SURROGATE RECOVERY

Lab Name: Chemtech Client: CDM Smith

Lab Code: CHEM Case No.: Q2150 SAS No.: Q2150 SDG No.: Q2150

EPA SAMPLE NO.	S1 AAA-TFT	S2	S3	S4	TOT OUT
VBF0602S1	93				0
BSF0602S1	139				0
TP-44	99				0
TP-39	104				0
TP-48	28 *				1
TP-47	120				0
BSF0602S2	101				0
TP-50	97				0
TP-51	91				0
TP-52	103				0
TP-42	73				0
VBF0603S1	100				0
VBF0603S2	89				0
BSF0603S1	101				0
TP-54	120				0
TP-53	96				0

QC LIMITS

AAA-TFT

For Water : 50-150
For Soil : 50-150

Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogate Diluted Out

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SOIL GASOLINE RANGE ORGANICS LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICAT

Lab Name: Chemtech **Client:** CDM Smith

Lab Code: CHEM **Cas No:** Q2150 **SAS No :** Q2150 **SDG No:** Q2150

Matrix Spike - EPA Sample No : BSF0602S1 **Datafile:** FB031839.D

COMPOUND	SPIKE ADDED ug/kg	CONCENTRATION ug/kg	LCS/LCSD CONCENTRATION ug/kg	% REC	QC LIMITS
GRO	180	0	221	123	50-150

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SOIL GASOLINE RANGE ORGANICS LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICAT

Lab Name: Chemtech **Client:** CDM Smith

Lab Code: CHEM **Cas No:** Q2150 **SAS No :** Q2150 **SDG No:** Q2150

Matrix Spike - EPA Sample No : BSF0602S2 **Datafile:** FB031845.D

COMPOUND	SPIKE ADDED ug/kg	CONCENTRATION ug/kg	LCS/LCSD CONCENTRATION ug/kg	% REC	QC LIMITS
GRO	180	0	238	132	50-150

LCS/LCSD % Recovery RPD : 7.4

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SOIL GASOLINE RANGE ORGANICS LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICAT

Lab Name: Chemtech **Client:** CDM Smith

Lab Code: CHEM **Cas No:** Q2150 **SAS No :** Q2150 **SDG No:** Q2150

Matrix Spike - EPA Sample No : BSF0603S1 **Datafile:** FB031859.D

COMPOUND	SPIKE ADDED ug/kg	CONCENTRATION ug/kg	LCS/LCSD CONCENTRATION ug/kg	% REC	QC LIMITS
GRO	180	0	174	97	50-150

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METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBF0602S1

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2150 SAS No.: Q2150 SDG NO.: Q2150

Lab File ID: FB031837.D Lab Sample ID: VBF0602S1

Date Analyzed: 06/02/25 Time Analyzed: 12:52

GC Column: RTX-502.2 ID: 0.53 (mm) Heated Purge: (Y/N) Y

Instrument ID: FB

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
BSF0602S1	BSF0602S1	FB031839.D	06/02/25
TP-44	Q2150-01	FB031840.D	06/02/25
TP-39	Q2150-03	FB031842.D	06/02/25
TP-48	Q2150-04	FB031843.D	06/02/25
TP-47	Q2150-05	FB031844.D	06/02/25
BSF0602S2	BSF0602S2	FB031845.D	06/02/25
TP-50	Q2150-06	FB031847.D	06/02/25
TP-51	Q2150-07	FB031848.D	06/02/25
TP-52	Q2150-08	FB031849.D	06/02/25
TP-42	Q2150-02	FB031852.D	06/02/25

COMMENTS:

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METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBF0603S1

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2150 SAS No.: Q2150 SDG NO.: Q2150

Lab File ID: FB031857.D Lab Sample ID: VBF0603S1

Date Analyzed: 06/03/25 Time Analyzed: 9:55

GC Column: RTX-502.2 ID: 0.53 (mm) Heated Purge: (Y/N) Y

Instrument ID: FB

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
BSF0603S1	BSF0603S1	FB031859.D	06/03/25
TP-54	Q2150-09	FB031860.D	06/03/25

COMMENTS:

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METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBF0603S2

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2150 SAS No.: Q2150 SDG NO.: Q2150

Lab File ID: FB031858.D Lab Sample ID: VBF0603S2

Date Analyzed: 06/03/25 Time Analyzed: 10:23

GC Column: RTX-502.2 ID: 0.53 (mm) Heated Purge: (Y/N) Y

Instrument ID: FB

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
TP-53	Q2150-10	FB031863.D	06/03/25

COMMENTS:

QC SAMPLE DATA

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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	VBF0602S1	SDG No.:	Q2150
Lab Sample ID:	VBF0602S1	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	100 Decanted:
Sample Wt/Vol:	5 Units: g	Final Vol:	5 mL
Soil Aliquot Vol:	uL	Test:	Gasoline Range Organics
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
FB031837.D	1	06/02/25 12:52	FB060225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	8.00	U	8.00	45.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	18.6		50 - 150	93%	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:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	VBF0603S1	SDG No.:	Q2150
Lab Sample ID:	VBF0603S1	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	100 Decanted:
Sample Wt/Vol:	5 Units: g	Final Vol:	5 mL
Soil Aliquot Vol:	uL	Test:	Gasoline Range Organics
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
FB031857.D	1	06/03/25 9:55	FB060325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	8.00	U	8.00	45.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	19.9		50 - 150	100%	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:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	VBF0603S2	SDG No.:	Q2150
Lab Sample ID:	VBF0603S2	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	100 Decanted:
Sample Wt/Vol:	5 Units: g	Final Vol:	5 mL
Soil Aliquot Vol:	uL	Test:	Gasoline Range Organics
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
FB031858.D	50	06/03/25 10:23	FB060325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	413	U	413	2250	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	17.9		50 - 150	89%	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
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	BSF0602S1	SDG No.:	Q2150
Lab Sample ID:	BSF0602S1	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	100 Decanted:
Sample Wt/Vol:	5 Units: g	Final Vol:	5 mL
Soil Aliquot Vol:	uL	Test:	Gasoline Range Organics
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
FB031839.D	1	06/02/25 13:47	FB060225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	221		8.00	45.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	27.8		50 - 150	139%	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:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	BSF0603S1	SDG No.:	Q2150
Lab Sample ID:	BSF0603S1	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	100 Decanted:
Sample Wt/Vol:	5 Units: g	Final Vol:	5 mL
Soil Aliquot Vol:	uL	Test:	Gasoline Range Organics
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
FB031859.D	1	06/03/25 10:51	FB060325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	174		8.00	45.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	20.1		50 - 150	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

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	BSF0602S2	SDG No.:	Q2150
Lab Sample ID:	BSF0602S2	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	100 Decanted:
Sample Wt/Vol:	5 Units: g	Final Vol:	5 mL
Soil Aliquot Vol:	uL	Test:	Gasoline Range Organics
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
FB031845.D	1	06/02/25 16:33	FB060225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	238		8.00	45.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	20.3		50 - 150	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

CALIBRATION SUMMARY

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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GASOLINE RANGE ORGANICS INITIAL CALIBRATION SUMMARY

Lab Name: Chemtech Contract: CAMP02

ProjectID: South River WM Replacement

Lab Code: CHEM Case No.: Q2150 SAS No.: Q2150 SDG No.: Q2150

Calibration Sequence : FB053025		Test : Gasoline Range Organics	
Concentration (PPB)	**Area Count**	**Reference Factor**	**File ID**
45	830381	18453	FB031830.D
90	1396763	15520	FB031831.D
180	3195662	17754	FB031832.D
450	7995761	17768	FB031833.D
900	15052883	16725	FB031834.D

AVG RF : 17244 **% RSD : 6.636** **AVG RT : 8.7982**

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GASOLINE RANGE ORGANICS CONTINUING CALIBRATION SUMMARY

20 PPB GRO STD

Lab Name: Chemtech Contract: CAMP02

ProjectID: South River WM Replacement

Lab Code: CHEM Case No.: Q2150 SAS No.: Q2150 SDG No.: Q2150

DataFile: FB031836.D Analyst Name: YP/AJ Analyst Date: 06-02-2025

Conc. (PPB)	Area Count	RF	Average RF	%D
180	3546631	19704	17244	14.266

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GASOLINE RANGE ORGANICS CONTINUING CALIBRATION SUMMARY

20 PPB GRO STD

Lab Name: Chemtech Contract: CAMP02

ProjectID: South River WM Replacement

Lab Code: CHEM Case No.: Q2150 SAS No.: Q2150 SDG No.: Q2150

DataFile: FB031846.D Analyst Name: YP/AJ Analyst Date: 06-02-2025

Conc. (PPB)	Area Count	RF	Average RF	%D
180	3329157	18495	17244	7.255

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GASOLINE RANGE ORGANICS CONTINUING CALIBRATION SUMMARY

20 PPB GRO STD

Lab Name: Chemtech Contract: CAMP02

ProjectID: South River WM Replacement

Lab Code: CHEM Case No.: Q2150 SAS No.: Q2150 SDG No.: Q2150

DataFile: FB031855.D Analyst Name: YP/AJ Analyst Date: 06-02-2025

Conc. (PPB)	Area Count	RF	Average RF	%D
180	3172518	17625	17244	2.209

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GASOLINE RANGE ORGANICS CONTINUING CALIBRATION SUMMARY

20 PPB GRO STD

Lab Name: Chemtech Contract: CAMP02

ProjectID: South River WM Replacement

Lab Code: CHEM Case No.: Q2150 SAS No.: Q2150 SDG No.: Q2150

DataFile: FB031856.D Analyst Name: YP/AJ Analyst Date: 06-03-2025

Conc. (PPB)	Area Count	RF	Average RF	%D
180	3159181	17551	17244	1.78

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Fax : 908 789 8922

GASOLINE RANGE ORGANICS CONTINUING CALIBRATION SUMMARY

20 PPB GRO STD

Lab Name: Chemtech Contract: CAMP02

ProjectID: South River WM Replacement

Lab Code: CHEM Case No.: Q2150 SAS No.: Q2150 SDG No.: Q2150

DataFile: FB031866.D Analyst Name: YP/AJ Analyst Date: 06-03-2025

Conc. (PPB)	Area Count	RF	Average RF	%D
180	2960940	16450	17244	4.605

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Analytical Sequence

Client: CDM Smith **SDG No.:** Q2150

Project: South River WM Replacement **Instrument ID:** FID_B

GC Column: RTX-502.2 **ID:** 0.53 **(mm)**

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

MEAN SUROGATE RT FROM INITIAL CALIBRATION **8.7982**

EPA SAMPLE NO.	LAB SAMPLE ID	DATE AND TIME ANALYZED	DATAFILE	RT	#
20 PPB GRO STD	20 PPB GRO STD	2 Jun 2025 12:00	FB031836.D	8.792	
VBF0602S1	VBF0602S1	2 Jun 2025 12:52	FB031837.D	8.791	
BSF0602S1	BSF0602S1	2 Jun 2025 13:47	FB031839.D	8.790	
TP-44	Q2150-01	2 Jun 2025 14:15	FB031840.D	8.790	
TP-39	Q2150-03	2 Jun 2025 15:10	FB031842.D	8.791	
TP-48	Q2150-04	2 Jun 2025 15:38	FB031843.D	8.791	
TP-47	Q2150-05	2 Jun 2025 16:06	FB031844.D	8.792	
BSF0602S2	BSF0602S2	2 Jun 2025 16:33	FB031845.D	8.792	
20 PPB GRO STD	20 PPB GRO STD	2 Jun 2025 17:00	FB031846.D	8.793	
TP-50	Q2150-06	2 Jun 2025 17:55	FB031847.D	8.793	
TP-51	Q2150-07	2 Jun 2025 18:23	FB031848.D	8.792	
TP-52	Q2150-08	2 Jun 2025 18:50	FB031849.D	8.792	
TP-42	Q2150-02	2 Jun 2025 20:12	FB031852.D	8.792	
20 PPB GRO STD	20 PPB GRO STD	2 Jun 2025 21:34	FB031855.D	8.792	
20 PPB GRO STD	20 PPB GRO STD	3 Jun 2025 9:12	FB031856.D	8.789	
VBF0603S1	VBF0603S1	3 Jun 2025 9:55	FB031857.D	8.788	
VBF0603S2	VBF0603S2	3 Jun 2025 10:23	FB031858.D	8.790	
BSF0603S1	BSF0603S1	3 Jun 2025 10:51	FB031859.D	8.790	
TP-54	Q2150-09	3 Jun 2025 11:18	FB031860.D	8.790	
TP-53	Q2150-10	3 Jun 2025 13:05	FB031863.D	8.789	
20 PPB GRO STD	20 PPB GRO STD	3 Jun 2025 14:52	FB031866.D	8.790	

 # Column used to flag RT values with an * values outside of QC limits

QC Limits	Lower Limit	Upper Limits
(± 0.10 minutes)	8.6982	8.8982

SAMPLE RAW DATA

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB060225\
Data File : FB031840.D
Signal(s) : FID2B.CH
Acq On : 2 Jun 2025 14:15
Operator : YP/AJ
Sample : Q2150-01
Misc : 6.50G/5.00 ML DI WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-44

Integration File: Calibration.e
Quant Time: Jun 03 05:27:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB053025.M
Quant Title :
QLast Update : Fri May 30 15:30:47 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 g/ml
Signal Phase : RTX-502.2
Signal Info : 60mx0.53mmx3.00um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
5) s AAA-TFT	8.790	241444	19.786 ng/ml
Target Compounds			

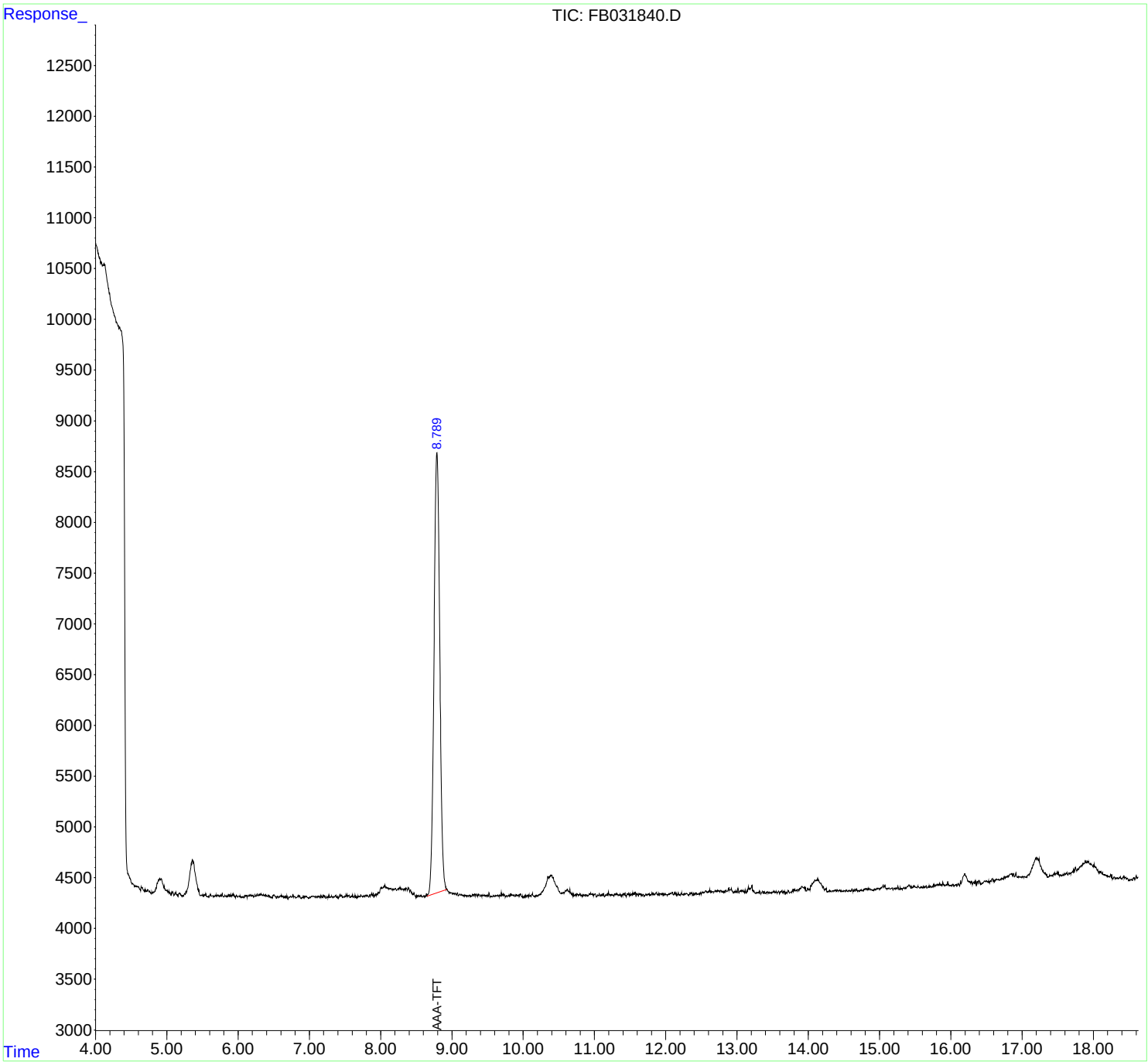
(f)=RT Delta > 1/2 Window (m)=manual int.

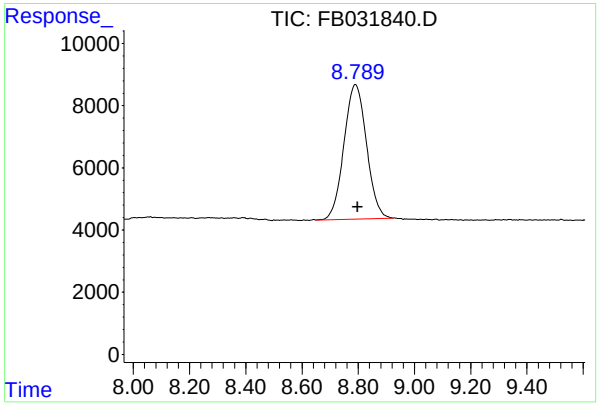
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB060225\
Data File : FB031840.D
Signal(s) : FID2B.CH
Acq On : 2 Jun 2025 14:15
Operator : YP/AJ
Sample : Q2150-01
Misc : 6.50G/5.00 ML DI WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-44

Integration File: Calibration.e
Quant Time: Jun 03 05:27:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB053025.M
Quant Title :
QLast Update : Fri May 30 15:30:47 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 g/ml
Signal Phase : RTX-502.2
Signal Info : 60mx0.53mmx3.00um





#5 AAA-TFT

R.T.: 8.790 min
Delta R.T.: -0.007 mi
Response: 241444
Conc: 19.79 ng/m

Instrument :
FID_B
ClientSampleId :
TP-44

6

A B C D E F G H I

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Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB060225\
Data File : FB031840.D
Signal(s) : FID2B.CH
Acq On : 2 Jun 2025 14:15
Sample : Q2150-01
Misc : 6.50G/5.00 ML DI WATER
ALS Vial : 5 Sample Multiplier: 1

Integration File: SAMPLE.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB053025.M
Title :

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.644	4.601	4.651	BV	19	40	0.02%	0.009%
2	4.657	4.651	4.723	VV	20	108	0.04%	0.023%
3	4.735	4.723	4.783	VV	23	356	0.14%	0.077%
4	5.009	5.005	5.027	VV	55	517	0.21%	0.111%
5	5.034	5.027	5.060	VV	40	528	0.21%	0.114%
6	5.081	5.060	5.105	VV	43	670	0.27%	0.144%
7	5.130	5.105	5.157	VV	38	642	0.25%	0.138%
8	5.174	5.157	5.216	PV	30	683	0.27%	0.147%
9	5.251	5.216	5.258	VV	31	389	0.15%	0.084%
10	5.268	5.258	5.274	VV	52	375	0.15%	0.081%
11	5.485	5.471	5.496	VV	20	246	0.10%	0.053%
12	5.505	5.496	5.513	VV	24	148	0.06%	0.032%
13	5.531	5.513	5.541	VV	21	271	0.11%	0.058%
14	5.549	5.541	5.594	VV	34	349	0.14%	0.075%
15	5.609	5.594	5.632	VV	30	384	0.15%	0.083%
16	5.643	5.632	5.665	VV	16	243	0.10%	0.052%
17	5.690	5.665	5.701	VV	24	321	0.13%	0.069%
18	5.712	5.701	5.721	VV	27	227	0.09%	0.049%
19	5.725	5.721	5.734	VV	21	133	0.05%	0.029%
20	5.743	5.734	5.748	VV	20	132	0.05%	0.028%
21	5.754	5.748	5.767	VV	26	217	0.09%	0.047%
22	5.779	5.767	5.797	VV	44	385	0.15%	0.083%
23	5.815	5.797	5.845	VV	21	394	0.16%	0.085%
24	5.876	5.845	5.887	VV	32	442	0.18%	0.095%
25	5.899	5.887	5.909	VV	33	284	0.11%	0.061%
26	5.927	5.909	5.964	VV	39	715	0.28%	0.154%
27	5.977	5.964	5.995	VV	22	275	0.11%	0.059%
28	6.008	5.995	6.035	VV	22	353	0.14%	0.076%
29	6.040	6.035	6.049	VV	15	77	0.03%	0.016%
30	6.070	6.049	6.081	VV	16	166	0.07%	0.036%
31	6.107	6.081	6.116	VV	27	382	0.15%	0.082%
32	6.121	6.116	6.138	VV	25	268	0.11%	0.058%
33	6.170	6.138	6.198	VV	34	884	0.35%	0.190%
34	6.209	6.198	6.227	VV	27	350	0.14%	0.075%
35	6.238	6.227	6.251	VV	34	339	0.13%	0.073%
36	6.266	6.251	6.278	VV	40	497	0.20%	0.107%

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37	6.299	6.278	6.315	VV	42	748	0.30%	0.161%
38	6.324	6.315	6.349	VV	45	741	0.29%	0.159%
39	6.360	6.349	6.370	VV	36	397	0.16%	0.085%
40	6.384	6.370	6.408	VV	35	671	0.27%	0.144%
41	6.422	6.408	6.483	VV	32	853	0.34%	0.183%
42	6.503	6.483	6.539	VV	39	880	0.35%	0.189%
43	6.549	6.539	6.564	VV	25	261	0.10%	0.056%
44	6.595	6.564	6.642	VV	32	1073	0.43%	0.231%
45	6.650	6.642	6.675	VV	24	362	0.14%	0.078%
46	6.687	6.675	6.701	VV	33	276	0.11%	0.059%
47	6.736	6.701	6.753	PV	26	537	0.21%	0.115%
48	6.768	6.753	6.788	VV	42	580	0.23%	0.125%
49	6.842	6.809	6.884	VV	34	953	0.38%	0.205%
50	6.916	6.884	6.925	VV	32	358	0.14%	0.077%
51	6.935	6.925	6.945	VV	29	254	0.10%	0.055%
52	6.957	6.945	6.997	VV	25	541	0.21%	0.116%
53	7.006	6.997	7.013	VV	18	121	0.05%	0.026%
54	7.032	7.013	7.039	VV	25	308	0.12%	0.066%
55	7.050	7.039	7.081	VV	31	609	0.24%	0.131%
56	7.090	7.081	7.109	VV	25	309	0.12%	0.066%
57	7.118	7.109	7.126	VV	25	215	0.09%	0.046%
58	7.136	7.126	7.149	VV	28	303	0.12%	0.065%
59	7.160	7.149	7.187	VV	33	499	0.20%	0.107%
60	7.197	7.187	7.210	VV	35	378	0.15%	0.081%
61	7.217	7.210	7.234	VV	29	272	0.11%	0.059%
62	7.282	7.234	7.292	VV	32	618	0.25%	0.133%
63	7.312	7.292	7.338	VV	28	506	0.20%	0.109%
64	7.346	7.338	7.354	VV	21	173	0.07%	0.037%
65	7.373	7.354	7.409	VV	32	600	0.24%	0.129%
66	7.427	7.409	7.438	VV	41	429	0.17%	0.092%
67	7.449	7.438	7.468	VV	35	451	0.18%	0.097%
68	7.477	7.468	7.490	VV	19	225	0.09%	0.048%
69	7.528	7.490	7.571	VV	45	1304	0.52%	0.281%
70	7.601	7.571	7.666	VV	33	1094	0.43%	0.235%
71	7.674	7.666	7.680	VV	21	119	0.05%	0.026%
72	7.690	7.680	7.714	VV	26	445	0.18%	0.096%
73	7.723	7.714	7.749	VV	36	537	0.21%	0.115%
74	7.792	7.749	7.802	VV	33	831	0.33%	0.179%
75	7.806	7.802	7.832	VV	32	472	0.19%	0.101%
76	7.847	7.832	7.855	VV	38	384	0.15%	0.083%
77	7.874	7.855	7.884	VV	50	627	0.25%	0.135%
78	7.896	7.884	7.907	VV	57	485	0.19%	0.104%
79	8.004	7.907	8.031	VV	111	4653	1.85%	1.001%
80	8.061	8.031	8.070	VV	134	2757	1.09%	0.593%
81	8.076	8.070	8.125	VV	114	3381	1.34%	0.727%
82	8.145	8.125	8.161	VV	101	2101	0.83%	0.452%
83	8.171	8.161	8.194	VV	96	1795	0.71%	0.386%
84	8.208	8.194	8.225	VV	102	1718	0.68%	0.369%
85	8.270	8.225	8.303	VV	105	4416	1.75%	0.950%
86	8.313	8.303	8.325	VV	95	1181	0.47%	0.254%
87	8.359	8.325	8.375	VV	103	2772	1.10%	0.596%
88	8.390	8.375	8.409	VV	106	1818	0.72%	0.391%
89	8.418	8.409	8.461	VV	84	1866	0.74%	0.401%

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90	8.469	8.461	8.495	VV	57	695	0.28%	0.150%
91	8.501	8.495	8.532	VV	29	505	0.20%	0.109%
92	8.538	8.532	8.551	VV	27	265	0.11%	0.057%
93	8.564	8.551	8.588	VV	34	492	0.20%	0.106%
94	8.643	8.588	8.651	VV	47	862	0.34%	0.185%
95	8.790	8.651	8.961	VV	4389	251893	100.00%	54.183%
96	8.969	8.961	9.010	VV	57	1542	0.61%	0.332%
97	9.023	9.010	9.034	VV	51	654	0.26%	0.141%
98	9.044	9.034	9.066	VV	50	775	0.31%	0.167%
99	9.077	9.066	9.091	VV	53	618	0.25%	0.133%
100	9.112	9.091	9.124	VV	40	631	0.25%	0.136%
101	9.134	9.124	9.155	VV	39	580	0.23%	0.125%
102	9.165	9.155	9.175	VV	32	305	0.12%	0.066%
103	9.183	9.175	9.212	VV	29	528	0.21%	0.114%
104	9.252	9.212	9.283	VV	30	933	0.37%	0.201%
105	9.296	9.283	9.310	VV	34	474	0.19%	0.102%
106	9.319	9.310	9.328	VV	39	348	0.14%	0.075%
107	9.339	9.328	9.368	VV	41	731	0.29%	0.157%
108	9.378	9.368	9.397	VV	35	495	0.20%	0.106%
109	9.410	9.397	9.420	VV	32	327	0.13%	0.070%
110	9.433	9.420	9.442	VV	29	327	0.13%	0.070%
111	9.523	9.442	9.565	VV	49	1689	0.67%	0.363%
112	9.589	9.565	9.599	VV	24	363	0.14%	0.078%
113	9.646	9.599	9.662	VV	28	839	0.33%	0.181%
114	9.671	9.662	9.689	VV	27	362	0.14%	0.078%
115	9.695	9.689	9.704	VV	49	277	0.11%	0.060%
116	9.714	9.704	9.752	VV	38	776	0.31%	0.167%
117	9.765	9.752	9.776	VV	24	261	0.10%	0.056%
118	9.826	9.776	9.834	VV	39	807	0.32%	0.174%
119	9.873	9.834	9.883	VV	31	757	0.30%	0.163%
120	9.906	9.883	9.916	VV	34	479	0.19%	0.103%
121	9.923	9.916	9.934	VV	26	249	0.10%	0.053%
122	9.957	9.934	10.003	VV	38	847	0.34%	0.182%
123	10.031	10.003	10.045	PV	26	339	0.13%	0.073%
124	10.083	10.045	10.093	VV	31	586	0.23%	0.126%
125	10.101	10.093	10.112	VV	22	207	0.08%	0.045%
126	10.130	10.112	10.151	VV	37	579	0.23%	0.125%
127	10.163	10.151	10.172	VV	20	190	0.08%	0.041%
128	10.264	10.172	10.270	VV	58	1680	0.67%	0.361%
129	10.348	10.270	10.359	VV	207	6733	2.67%	1.448%
130	10.391	10.359	10.542	VV	223	14943	5.93%	3.214%
131	10.619	10.542	10.642	VV	77	3417	1.36%	0.735%
132	10.654	10.642	10.713	VV	77	1694	0.67%	0.364%
133	10.728	10.713	10.735	VV	27	273	0.11%	0.059%
134	10.742	10.735	10.791	VV	30	843	0.33%	0.181%
135	10.799	10.791	10.839	VV	36	569	0.23%	0.122%
136	10.853	10.839	10.862	VV	26	271	0.11%	0.058%
137	10.867	10.862	10.875	VV	20	133	0.05%	0.029%
138	10.881	10.875	10.917	VV	22	427	0.17%	0.092%
139	10.930	10.917	10.942	VV	31	388	0.15%	0.083%
140	10.948	10.942	10.992	VV	41	844	0.33%	0.181%
141	11.012	10.992	11.028	VV	33	500	0.20%	0.107%

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142	11.067	11.028	11.083	PV	31	504	0.20%	0.108%
143	11.097	11.083	11.106	VV	21	208	0.08%	0.045%
144	11.117	11.106	11.140	VV	32	419	0.17%	0.090%
145	11.182	11.140	11.190	VV	32	523	0.21%	0.113%
146	11.198	11.190	11.243	VV	47	764	0.30%	0.164%
147	11.250	11.243	11.275	VV	22	325	0.13%	0.070%
148	11.285	11.275	11.343	VV	30	949	0.38%	0.204%
149	11.361	11.343	11.370	VV	28	297	0.12%	0.064%
150	11.376	11.370	11.382	VV	21	97	0.04%	0.021%
151	11.430	11.382	11.447	VV	34	781	0.31%	0.168%
152	11.479	11.447	11.493	VV	33	579	0.23%	0.125%
153	11.500	11.493	11.512	VV	34	243	0.10%	0.052%
154	11.522	11.512	11.531	VV	28	243	0.10%	0.052%
155	11.560	11.531	11.585	VV	40	925	0.37%	0.199%
156	11.596	11.585	11.617	VV	32	396	0.16%	0.085%
157	11.626	11.617	11.634	VV	33	224	0.09%	0.048%
158	11.643	11.634	11.649	VV	28	219	0.09%	0.047%
159	11.654	11.649	11.670	VV	26	230	0.09%	0.049%
160	11.683	11.670	11.696	VV	23	217	0.09%	0.047%
161	11.722	11.696	11.749	PV	24	441	0.18%	0.095%
162	11.758	11.749	11.777	VV	28	341	0.14%	0.073%
163	11.811	11.777	11.840	VV	32	819	0.32%	0.176%
164	11.867	11.840	11.891	VV	40	749	0.30%	0.161%
165	11.901	11.891	11.911	VV	29	241	0.10%	0.052%
166	11.920	11.911	11.936	VV	27	323	0.13%	0.069%
167	11.953	11.936	11.974	VV	29	480	0.19%	0.103%
168	11.985	11.974	12.006	VV	25	365	0.14%	0.078%
169	12.012	12.006	12.022	VV	16	141	0.06%	0.030%
170	12.066	12.022	12.077	VV	31	654	0.26%	0.141%
171	12.094	12.077	12.108	VV	36	494	0.20%	0.106%
172	12.132	12.108	12.148	VV	34	553	0.22%	0.119%
173	12.157	12.148	12.166	VV	21	163	0.06%	0.035%
174	12.178	12.166	12.190	VV	29	238	0.09%	0.051%
175	12.200	12.190	12.205	VV	13	107	0.04%	0.023%
176	12.221	12.205	12.234	VV	31	307	0.12%	0.066%
177	12.246	12.234	12.258	VV	19	204	0.08%	0.044%
178	12.267	12.258	12.275	VV	27	213	0.08%	0.046%
179	12.292	12.275	12.325	VV	26	503	0.20%	0.108%
180	12.368	12.325	12.388	VV	33	728	0.29%	0.156%
181	12.430	12.388	12.448	VV	31	667	0.26%	0.143%
182	12.566	12.448	12.589	VV	47	2458	0.98%	0.529%
183	12.595	12.589	12.602	VV	39	264	0.10%	0.057%
184	12.617	12.602	12.648	VV	57	1052	0.42%	0.226%
185	12.660	12.648	12.675	VV	40	600	0.24%	0.129%
186	12.695	12.675	12.721	VV	50	1098	0.44%	0.236%
187	12.735	12.721	12.745	VV	50	635	0.25%	0.137%
188	12.753	12.745	12.761	VV	47	405	0.16%	0.087%
189	12.771	12.761	12.788	VV	49	664	0.26%	0.143%
190	12.796	12.788	12.831	VV	40	891	0.35%	0.192%
191	12.844	12.831	12.856	VV	48	596	0.24%	0.128%
192	12.888	12.856	12.913	VV	72	1781	0.71%	0.383%
193	12.922	12.913	12.982	VV	68	1542	0.61%	0.332%
194	12.992	12.982	13.003	VV	40	427	0.17%	0.092%

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195	13.015	13.003	13.028	VV	64	628	0.25%	0.135%
196	13.048	13.028	13.071	VV	44	1012	0.40%	0.218%
197	13.086	13.071	13.107	VV	46	807	0.32%	0.174%
198	13.116	13.107	13.126	VV	48	354	0.14%	0.076%
199	13.210	13.126	13.274	VV	97	4056	1.61%	0.872%
200	13.300	13.274	13.313	VV	25	483	0.19%	0.104%
201	13.321	13.313	13.335	VV	35	321	0.13%	0.069%
202	13.357	13.335	13.368	VV	35	431	0.17%	0.093%
203	13.377	13.368	13.400	VV	32	378	0.15%	0.081%
204	13.413	13.400	13.433	VV	26	392	0.16%	0.084%
205	13.435	13.433	13.466	VV	27	346	0.14%	0.074%
206	13.516	13.466	13.534	VV	32	888	0.35%	0.191%
207	13.549	13.534	13.566	VV	32	439	0.17%	0.094%
208	13.585	13.566	13.597	VV	33	412	0.16%	0.089%
209	13.629	13.597	13.655	VV	35	820	0.33%	0.176%
210	13.667	13.655	13.678	VV	29	267	0.11%	0.057%
211	13.688	13.678	13.703	PV	22	189	0.08%	0.041%
212	13.717	13.703	13.739	VV	40	548	0.22%	0.118%
213	13.759	13.739	13.767	VV	21	281	0.11%	0.060%
214	13.778	13.767	13.786	VV	37	308	0.12%	0.066%
215	13.795	13.786	13.803	VV	48	344	0.14%	0.074%
216	13.816	13.803	13.825	VV	43	473	0.19%	0.102%
217	13.837	13.825	13.845	VV	42	402	0.16%	0.086%
218	13.858	13.845	13.868	VV	44	516	0.21%	0.111%
219	13.910	13.868	13.942	VV	73	2519	1.00%	0.542%
220	13.947	13.942	13.954	VV	66	434	0.17%	0.093%
221	13.959	13.954	13.974	VV	62	475	0.19%	0.102%
222	13.994	13.974	14.014	VV	49	877	0.35%	0.189%
223	14.035	14.014	14.043	VV	78	983	0.39%	0.212%
224	14.094	14.043	14.105	VV	131	3881	1.54%	0.835%
225	14.138	14.105	14.203	VV	135	6261	2.49%	1.347%
226	14.212	14.203	14.228	VV	63	724	0.29%	0.156%
227	14.253	14.228	14.265	VV	43	631	0.25%	0.136%
228	14.273	14.265	14.280	VV	13	82	0.03%	0.018%
229	14.299	14.280	14.320	VV	27	375	0.15%	0.081%
230	14.340	14.320	14.347	VV	17	221	0.09%	0.047%
231	14.356	14.347	14.365	VV	19	166	0.07%	0.036%
232	14.384	14.365	14.397	VV	25	363	0.14%	0.078%
233	14.407	14.397	14.420	VV	28	229	0.09%	0.049%
234	14.450	14.420	14.474	VV	19	415	0.16%	0.089%
235	14.483	14.474	14.493	VV	13	87	0.03%	0.019%
236	14.538	14.493	14.556	VV	17	370	0.15%	0.080%
237	14.577	14.556	14.593	VV	15	210	0.08%	0.045%
238	14.613	14.593	14.631	VV	30	313	0.12%	0.067%
239	14.644	14.631	14.652	VV	18	124	0.05%	0.027%
240	14.673	14.652	14.693	VV	23	309	0.12%	0.066%
241	14.744	14.693	14.753	PV	17	277	0.11%	0.060%
242	14.800	14.753	14.841	VV	26	868	0.34%	0.187%
243	14.848	14.841	14.919	VV	26	585	0.23%	0.126%
244	14.984	14.919	15.002	VV	25	720	0.29%	0.155%
245	15.012	15.002	15.016	VV	22	146	0.06%	0.031%
246	15.053	15.016	15.062	VV	53	909	0.36%	0.196%

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247	15.077	15.062	15.092	VV	50	594	0.24%	0.128%
248	15.099	15.092	15.106	VV	20	128	0.05%	0.028%
249	15.135	15.106	15.152	VV	22	400	0.16%	0.086%
250	15.176	15.152	15.189	VV	19	287	0.11%	0.062%
251	15.205	15.189	15.222	VV	18	236	0.09%	0.051%
252	15.239	15.222	15.246	VV	18	176	0.07%	0.038%
253	15.258	15.246	15.319	VV	34	447	0.18%	0.096%
254	15.342	15.319	15.374	VV	19	395	0.16%	0.085%
255	15.414	15.374	15.454	VV	43	1224	0.49%	0.263%
256	15.462	15.454	15.468	VV	19	132	0.05%	0.028%
257	15.486	15.468	15.529	VV	27	661	0.26%	0.142%
258	15.540	15.529	15.568	VV	26	375	0.15%	0.081%
259	15.580	15.568	15.602	VV	21	252	0.10%	0.054%
260	15.615	15.602	15.631	VV	23	225	0.09%	0.048%
261	15.656	15.631	15.666	VV	28	280	0.11%	0.060%
262	15.687	15.666	15.695	PV	17	172	0.07%	0.037%
263	15.717	15.695	15.734	VV	20	301	0.12%	0.065%
264	15.764	15.734	15.776	VV	32	458	0.18%	0.099%
265	15.785	15.776	15.793	VV	28	217	0.09%	0.047%
266	15.815	15.793	15.824	VV	34	472	0.19%	0.101%
267	15.846	15.824	15.868	VV	41	711	0.28%	0.153%
268	15.890	15.868	15.920	VV	49	841	0.33%	0.181%
269	15.959	15.920	15.996	VV	53	1013	0.40%	0.218%
270	16.034	15.996	16.045	VV	24	405	0.16%	0.087%
271	16.074	16.045	16.090	VV	18	286	0.11%	0.062%
272	16.104	16.090	16.125	VV	29	344	0.14%	0.074%
273	16.195	16.125	16.276	VV	118	5641	2.24%	1.213%
274	16.282	16.276	16.306	VV	33	518	0.21%	0.111%
275	16.326	16.306	16.335	VV	33	405	0.16%	0.087%
276	16.344	16.335	16.362	VV	46	353	0.14%	0.076%
277	16.375	16.362	16.384	PV	35	305	0.12%	0.066%
278	16.395	16.384	16.427	VV	43	521	0.21%	0.112%
279	16.474	16.427	16.486	VV	27	505	0.20%	0.109%
280	16.499	16.486	16.534	VV	29	553	0.22%	0.119%
281	16.541	16.534	16.549	VV	17	110	0.04%	0.024%
282	16.586	16.549	16.619	VV	37	890	0.35%	0.191%
283	16.640	16.619	16.650	VV	29	385	0.15%	0.083%
284	16.670	16.650	16.678	VV	24	329	0.13%	0.071%
285	16.715	16.678	16.733	VV	32	664	0.26%	0.143%
286	16.776	16.733	16.784	VV	38	863	0.34%	0.186%
287	16.853	16.784	16.870	VV	61	2357	0.94%	0.507%
288	16.881	16.870	16.897	VV	57	691	0.27%	0.149%
289	16.914	16.897	16.933	VV	60	709	0.28%	0.152%
290	16.959	16.933	16.979	VV	21	407	0.16%	0.088%
291	16.989	16.979	16.999	VV	14	120	0.05%	0.026%
292	17.011	16.999	17.022	VV	15	141	0.06%	0.030%
293	17.033	17.022	17.055	VV	11	115	0.05%	0.025%
			Sum of corrected areas:			464895		

FB053025.M Tue Jun 03 05:54:41 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB060225\
Data File : FB031852.D
Signal(s) : FID2B.CH
Acq On : 2 Jun 2025 20:12
Operator : YP/AJ
Sample : Q2150-02
Misc : 5.05G/5.00 ML DI WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-42

Integration File: Calibration.e
Quant Time: Jun 03 05:29:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB053025.M
Quant Title :
QLast Update : Fri May 30 15:30:47 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 g/ml
Signal Phase : RTX-502.2
Signal Info : 60mx0.53mmx3.00um

	Compound	R.T.	Response	Conc Units
System Monitoring Compounds				
5) s	AAA-TFT	8.792	177908	14.580 ng/ml
Target Compounds				

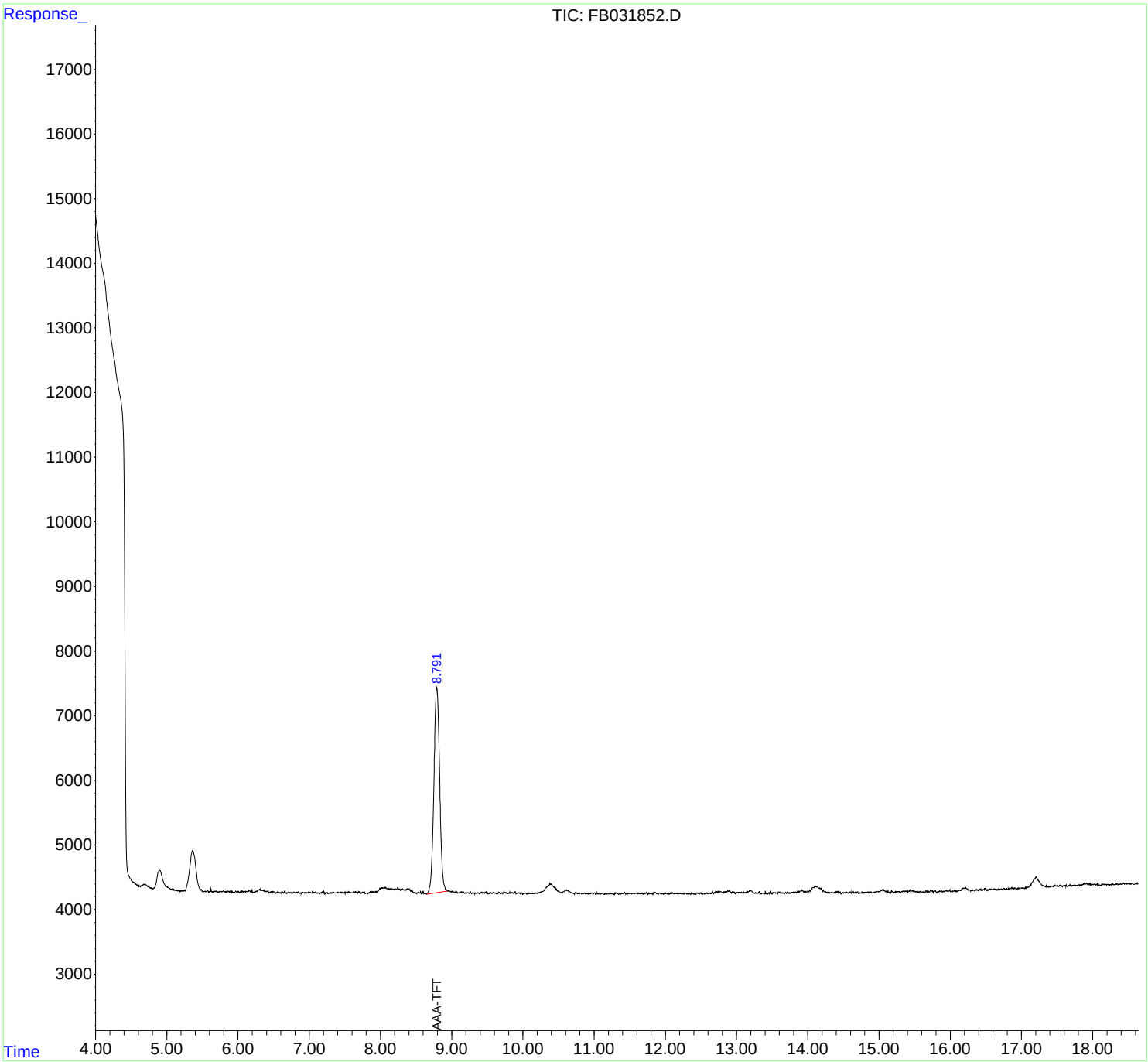
(f)=RT Delta > 1/2 Window (m)=manual int.

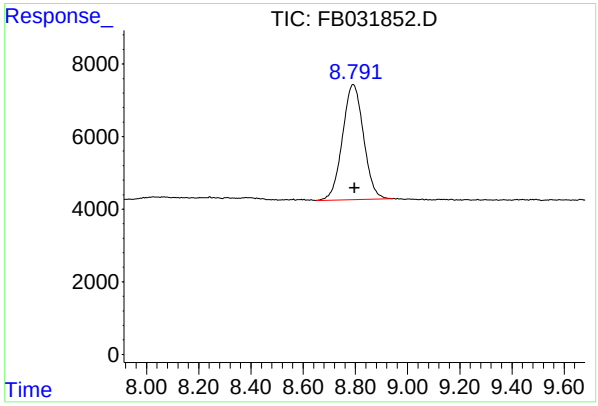
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB060225\
Data File : FB031852.D
Signal(s) : FID2B.CH
Acq On : 2 Jun 2025 20:12
Operator : YP/AJ
Sample : Q2150-02
Misc : 5.05G/5.00 ML DI WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-42

Integration File: Calibration.e
Quant Time: Jun 03 05:29:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB053025.M
Quant Title :
QLast Update : Fri May 30 15:30:47 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 g/ml
Signal Phase : RTX-502.2
Signal Info : 60mx0.53mmx3.00um





#5 AAA-TFT

R.T.:	8.792 min
Delta R.T.:	-0.006 mi
Response:	177908
Conc:	14.58 ng/m

Instrument :
FID_B
ClientSampleId :
TP-42

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB060225\
Data File : FB031852.D
Signal(s) : FID2B.CH
Acq On : 2 Jun 2025 20:12
Sample : Q2150-02
Misc : 5.05G/5.00 ML DI WATER
ALS Vial : 23 Sample Multiplier: 1

Integration File: SAMPLE.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB053025.M
Title :

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.658	4.604	4.664	BV	28	282	0.15%	0.078%
2	4.681	4.664	4.804	VV	44	2017	1.10%	0.555%
3	5.143	5.130	5.156	VV	11	110	0.06%	0.030%
4	5.166	5.156	5.197	VV	19	237	0.13%	0.065%
5	5.221	5.197	5.239	PV	19	218	0.12%	0.060%
6	5.506	5.498	5.527	VV	16	178	0.10%	0.049%
7	5.537	5.527	5.558	VV	18	208	0.11%	0.057%
8	5.574	5.558	5.596	VV	32	332	0.18%	0.091%
9	5.622	5.596	5.645	VV	49	436	0.24%	0.120%
10	5.665	5.645	5.681	VV	31	310	0.17%	0.085%
11	5.691	5.681	5.710	VV	25	247	0.13%	0.068%
12	5.721	5.710	5.730	PV	11	90	0.05%	0.025%
13	5.743	5.730	5.751	VV	21	185	0.10%	0.051%
14	5.758	5.751	5.781	VV	19	286	0.16%	0.079%
15	5.793	5.781	5.820	VV	28	408	0.22%	0.112%
16	5.828	5.820	5.845	VV	22	203	0.11%	0.056%
17	5.852	5.845	5.876	VV	26	326	0.18%	0.090%
18	5.889	5.876	5.907	VV	22	306	0.17%	0.084%
19	5.918	5.907	5.939	VV	30	233	0.13%	0.064%
20	5.968	5.939	5.992	VV	25	355	0.19%	0.098%
21	6.007	5.992	6.031	VV	24	265	0.14%	0.073%
22	6.041	6.031	6.078	VV	29	512	0.28%	0.141%
23	6.088	6.078	6.095	VV	21	205	0.11%	0.056%
24	6.102	6.095	6.110	VV	27	196	0.11%	0.054%
25	6.119	6.110	6.124	VV	22	162	0.09%	0.045%
26	6.155	6.124	6.178	VV	37	894	0.49%	0.246%
27	6.198	6.178	6.209	VV	37	337	0.18%	0.093%
28	6.312	6.209	6.385	VV	64	3501	1.91%	0.963%
29	6.425	6.385	6.437	VV	34	819	0.45%	0.225%
30	6.449	6.437	6.455	VV	16	140	0.08%	0.039%
31	6.464	6.455	6.486	VV	25	307	0.17%	0.084%
32	6.493	6.486	6.533	VV	29	391	0.21%	0.107%
33	6.570	6.533	6.591	PV	22	429	0.23%	0.118%
34	6.597	6.591	6.604	VV	12	68	0.04%	0.019%
35	6.622	6.604	6.643	VV	25	363	0.20%	0.100%
36	6.656	6.643	6.689	VV	29	399	0.22%	0.110%

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37	6.712	6.689	6.733	VV	21	305	0.17%	0.084%
38	6.743	6.733	6.755	VV	20	139	0.08%	0.038%
39	6.763	6.755	6.771	VV	14	74	0.04%	0.020%
40	6.783	6.771	6.802	VV	20	219	0.12%	0.060%
41	6.814	6.802	6.830	VV	20	251	0.14%	0.069%
42	6.845	6.830	6.869	VV	26	368	0.20%	0.101%
43	6.877	6.869	6.887	VV	13	100	0.05%	0.028%
44	6.913	6.887	6.931	VV	21	366	0.20%	0.101%
45	6.948	6.931	6.957	VV	20	238	0.13%	0.065%
46	6.990	6.957	7.001	VV	23	397	0.22%	0.109%
47	7.009	7.001	7.035	VV	20	314	0.17%	0.086%
48	7.048	7.035	7.062	VV	39	362	0.20%	0.099%
49	7.086	7.062	7.102	VV	25	477	0.26%	0.131%
50	7.132	7.102	7.150	VV	16	342	0.19%	0.094%
51	7.186	7.150	7.196	VV	26	459	0.25%	0.126%
52	7.204	7.196	7.226	VV	36	282	0.15%	0.078%
53	7.240	7.226	7.266	PV	25	316	0.17%	0.087%
54	7.277	7.266	7.284	VV	13	97	0.05%	0.027%
55	7.300	7.284	7.310	VV	27	243	0.13%	0.067%
56	7.347	7.310	7.359	VV	25	481	0.26%	0.132%
57	7.368	7.359	7.375	VV	20	144	0.08%	0.040%
58	7.394	7.375	7.426	VV	27	648	0.35%	0.178%
59	7.450	7.426	7.463	VV	32	520	0.28%	0.143%
60	7.473	7.463	7.482	VV	24	240	0.13%	0.066%
61	7.491	7.482	7.505	VV	23	273	0.15%	0.075%
62	7.514	7.505	7.542	VV	30	518	0.28%	0.142%
63	7.552	7.542	7.566	VV	35	359	0.20%	0.099%
64	7.574	7.566	7.587	VV	28	271	0.15%	0.075%
65	7.617	7.587	7.632	VV	25	557	0.30%	0.153%
66	7.652	7.632	7.661	VV	36	423	0.23%	0.117%
67	7.670	7.661	7.727	VV	39	991	0.54%	0.273%
68	7.749	7.727	7.757	VV	31	372	0.20%	0.102%
69	7.766	7.757	7.791	VV	32	391	0.21%	0.108%
70	7.807	7.791	7.817	VV	17	192	0.10%	0.053%
71	7.856	7.817	7.877	PV	38	793	0.43%	0.218%
72	7.886	7.877	7.915	VV	41	733	0.40%	0.202%
73	7.938	7.915	7.947	VV	41	670	0.36%	0.184%
74	8.025	7.947	8.034	VV	102	3670	2.00%	1.010%
75	8.039	8.034	8.095	VV	97	3402	1.85%	0.936%
76	8.104	8.095	8.128	VV	84	1542	0.84%	0.424%
77	8.136	8.128	8.192	VV	85	2915	1.59%	0.802%
78	8.213	8.192	8.223	VV	80	1456	0.79%	0.401%
79	8.243	8.223	8.267	VV	106	2154	1.17%	0.593%
80	8.275	8.267	8.290	VV	78	941	0.51%	0.259%
81	8.311	8.290	8.359	VV	82	2806	1.53%	0.772%
82	8.382	8.359	8.503	VV	87	4456	2.43%	1.226%
83	8.535	8.503	8.546	VV	28	503	0.27%	0.138%
84	8.564	8.546	8.572	VV	39	355	0.19%	0.098%
85	8.604	8.572	8.613	VV	33	549	0.30%	0.151%
86	8.618	8.613	8.624	VV	18	94	0.05%	0.026%
87	8.631	8.624	8.648	VV	22	172	0.09%	0.047%
88	8.792	8.648	8.992	PV	3199	183705	100.00%	50.559%
89	9.005	8.992	9.016	VV	44	600	0.33%	0.165%

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90	9.022	9.016	9.045	VV	43	599	0.33%	0.165%
91	9.057	9.045	9.066	VV	45	417	0.23%	0.115%
92	9.073	9.066	9.093	VV	37	392	0.21%	0.108%
93	9.121	9.093	9.131	VV	36	624	0.34%	0.172%
94	9.140	9.131	9.181	VV	37	895	0.49%	0.246%
95	9.188	9.181	9.210	VV	23	316	0.17%	0.087%
96	9.222	9.210	9.251	VV	26	510	0.28%	0.140%
97	9.269	9.251	9.282	VV	32	343	0.19%	0.094%
98	9.298	9.282	9.309	VV	28	327	0.18%	0.090%
99	9.321	9.309	9.330	VV	23	226	0.12%	0.062%
100	9.341	9.330	9.350	VV	24	209	0.11%	0.058%
101	9.371	9.350	9.386	VV	27	393	0.21%	0.108%
102	9.419	9.386	9.428	VV	32	522	0.28%	0.144%
103	9.442	9.428	9.466	VV	37	581	0.32%	0.160%
104	9.493	9.466	9.517	VV	37	747	0.41%	0.205%
105	9.549	9.517	9.572	VV	28	587	0.32%	0.162%
106	9.584	9.572	9.600	VV	32	371	0.20%	0.102%
107	9.607	9.600	9.627	VV	25	302	0.16%	0.083%
108	9.635	9.627	9.649	VV	23	223	0.12%	0.062%
109	9.664	9.649	9.683	VV	34	481	0.26%	0.132%
110	9.700	9.683	9.710	VV	23	291	0.16%	0.080%
111	9.753	9.710	9.764	VV	31	771	0.42%	0.212%
112	9.773	9.764	9.792	VV	27	301	0.16%	0.083%
113	9.819	9.792	9.830	VV	32	486	0.26%	0.134%
114	9.852	9.830	9.863	VV	27	438	0.24%	0.121%
115	9.884	9.863	9.919	VV	38	809	0.44%	0.223%
116	9.935	9.919	9.961	VV	27	551	0.30%	0.152%
117	9.975	9.961	9.998	VV	34	437	0.24%	0.120%
118	10.018	9.998	10.027	VV	21	261	0.14%	0.072%
119	10.035	10.027	10.054	VV	21	235	0.13%	0.065%
120	10.089	10.054	10.121	VV	19	519	0.28%	0.143%
121	10.136	10.121	10.168	VV	21	431	0.23%	0.118%
122	10.175	10.168	10.192	VV	23	299	0.16%	0.082%
123	10.201	10.192	10.209	VV	26	199	0.11%	0.055%
124	10.379	10.209	10.393	VV	172	8880	4.83%	2.444%
125	10.402	10.393	10.535	VV	163	7516	4.09%	2.069%
126	10.546	10.535	10.556	VV	40	411	0.22%	0.113%
127	10.592	10.556	10.600	VV	73	1263	0.69%	0.348%
128	10.611	10.600	10.632	VV	71	1227	0.67%	0.338%
129	10.645	10.632	10.711	VV	64	1783	0.97%	0.491%
130	10.736	10.711	10.777	VV	29	859	0.47%	0.236%
131	10.843	10.777	10.855	VV	22	871	0.47%	0.240%
132	10.865	10.855	10.913	VV	27	598	0.33%	0.165%
133	10.925	10.913	10.946	VV	23	330	0.18%	0.091%
134	10.955	10.946	10.987	VV	24	465	0.25%	0.128%
135	11.008	10.987	11.022	VV	29	353	0.19%	0.097%
136	11.043	11.022	11.057	VV	27	278	0.15%	0.077%
137	11.077	11.057	11.087	VV	17	217	0.12%	0.060%
138	11.119	11.087	11.145	VV	24	463	0.25%	0.128%
139	11.166	11.145	11.178	VV	17	214	0.12%	0.059%
140	11.197	11.178	11.220	VV	18	365	0.20%	0.100%
141	11.240	11.220	11.258	VV	25	381	0.21%	0.105%

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142	11.267	11.258	11.283	VV	21	167	0.09%	0.046%
143	11.304	11.283	11.345	PV	33	639	0.35%	0.176%
144	11.356	11.345	11.377	VV	19	233	0.13%	0.064%
145	11.390	11.377	11.404	VV	23	264	0.14%	0.073%
146	11.428	11.404	11.460	VV	26	599	0.33%	0.165%
147	11.492	11.460	11.510	VV	23	491	0.27%	0.135%
148	11.523	11.510	11.534	VV	21	261	0.14%	0.072%
149	11.551	11.534	11.565	VV	23	333	0.18%	0.092%
150	11.588	11.565	11.605	VV	25	430	0.23%	0.118%
151	11.623	11.605	11.643	VV	21	349	0.19%	0.096%
152	11.668	11.643	11.716	VV	21	645	0.35%	0.178%
153	11.740	11.716	11.755	VV	38	548	0.30%	0.151%
154	11.780	11.755	11.796	VV	24	389	0.21%	0.107%
155	11.805	11.796	11.829	VV	23	321	0.17%	0.088%
156	11.839	11.829	11.881	VV	34	783	0.43%	0.215%
157	11.895	11.881	11.905	VV	23	247	0.13%	0.068%
158	11.915	11.905	11.924	VV	26	225	0.12%	0.062%
159	11.932	11.924	11.977	VV	26	518	0.28%	0.143%
160	12.015	11.977	12.062	VV	26	779	0.42%	0.214%
161	12.072	12.062	12.086	VV	24	229	0.12%	0.063%
162	12.101	12.086	12.128	VV	25	482	0.26%	0.133%
163	12.136	12.128	12.146	VV	21	180	0.10%	0.050%
164	12.153	12.146	12.163	VV	18	152	0.08%	0.042%
165	12.172	12.163	12.178	VV	19	132	0.07%	0.036%
166	12.205	12.178	12.219	VV	22	423	0.23%	0.116%
167	12.232	12.219	12.259	VV	21	412	0.22%	0.113%
168	12.273	12.259	12.303	VV	22	465	0.25%	0.128%
169	12.312	12.303	12.328	VV	15	172	0.09%	0.047%
170	12.337	12.328	12.342	VV	17	110	0.06%	0.030%
171	12.348	12.342	12.359	VV	17	118	0.06%	0.032%
172	12.370	12.359	12.408	VV	26	424	0.23%	0.117%
173	12.416	12.408	12.426	VV	13	82	0.04%	0.023%
174	12.443	12.426	12.469	PV	27	456	0.25%	0.126%
175	12.479	12.469	12.485	VV	27	198	0.11%	0.055%
176	12.496	12.485	12.527	VV	28	445	0.24%	0.122%
177	12.539	12.527	12.547	VV	24	195	0.11%	0.054%
178	12.580	12.547	12.590	VV	27	455	0.25%	0.125%
179	12.598	12.590	12.607	VV	20	178	0.10%	0.049%
180	12.631	12.607	12.642	VV	25	387	0.21%	0.107%
181	12.662	12.642	12.683	VV	34	609	0.33%	0.168%
182	12.726	12.683	12.735	VV	42	1023	0.56%	0.282%
183	12.754	12.735	12.763	VV	54	688	0.37%	0.189%
184	12.775	12.763	12.817	VV	47	1190	0.65%	0.328%
185	12.879	12.817	12.890	VV	56	1782	0.97%	0.490%
186	12.906	12.890	12.928	VV	62	1061	0.58%	0.292%
187	12.937	12.928	12.944	VV	40	314	0.17%	0.086%
188	12.965	12.944	12.981	VV	41	704	0.38%	0.194%
189	13.018	12.981	13.027	VV	34	704	0.38%	0.194%
190	13.042	13.027	13.059	VV	32	562	0.31%	0.155%
191	13.068	13.059	13.077	VV	36	314	0.17%	0.086%
192	13.085	13.077	13.090	VV	27	189	0.10%	0.052%
193	13.098	13.090	13.120	VV	37	475	0.26%	0.131%
194	13.185	13.120	13.193	VV	61	1754	0.95%	0.483%

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195	13.204	13.193	13.252	VV	59	1354	0.74%	0.373%
196	13.267	13.252	13.275	VV	28	275	0.15%	0.076%
197	13.321	13.275	13.355	VV	43	984	0.54%	0.271%
198	13.363	13.355	13.372	VV	16	147	0.08%	0.041%
199	13.381	13.372	13.397	VV	19	195	0.11%	0.054%
200	13.405	13.397	13.414	VV	42	226	0.12%	0.062%
201	13.422	13.414	13.432	VV	20	115	0.06%	0.032%
202	13.457	13.432	13.467	PV	22	261	0.14%	0.072%
203	13.482	13.467	13.505	VV	31	399	0.22%	0.110%
204	13.513	13.505	13.552	VV	25	580	0.32%	0.160%
205	13.558	13.552	13.580	VV	23	275	0.15%	0.076%
206	13.597	13.580	13.626	VV	33	628	0.34%	0.173%
207	13.667	13.626	13.676	VV	22	531	0.29%	0.146%
208	13.691	13.676	13.700	VV	28	259	0.14%	0.071%
209	13.714	13.700	13.741	VV	31	498	0.27%	0.137%
210	13.750	13.741	13.758	VV	23	162	0.09%	0.045%
211	13.782	13.758	13.806	VV	28	608	0.33%	0.167%
212	13.833	13.806	13.846	VV	31	592	0.32%	0.163%
213	13.895	13.846	13.903	VV	49	1211	0.66%	0.333%
214	13.916	13.903	13.961	VV	64	1610	0.88%	0.443%
215	13.969	13.961	13.981	VV	42	415	0.23%	0.114%
216	13.996	13.981	14.006	VV	42	552	0.30%	0.152%
217	14.075	14.006	14.083	VV	99	3028	1.65%	0.833%
218	14.100	14.083	14.121	VV	122	2520	1.37%	0.694%
219	14.127	14.121	14.212	VV	114	4687	2.55%	1.290%
220	14.221	14.212	14.245	VV	51	783	0.43%	0.215%
221	14.254	14.245	14.264	VV	37	323	0.18%	0.089%
222	14.287	14.264	14.363	VV	29	1154	0.63%	0.318%
223	14.421	14.363	14.479	VV	34	1485	0.81%	0.409%
224	14.494	14.479	14.508	VV	19	255	0.14%	0.070%
225	14.545	14.508	14.569	VV	25	601	0.33%	0.165%
226	14.594	14.569	14.610	VV	28	412	0.22%	0.114%
227	14.621	14.610	14.682	VV	31	776	0.42%	0.213%
228	14.700	14.682	14.749	VV	25	579	0.32%	0.159%
229	14.761	14.749	14.799	VV	29	479	0.26%	0.132%
230	14.840	14.799	14.871	VV	23	732	0.40%	0.201%
231	14.886	14.871	14.911	VV	27	398	0.22%	0.110%
232	14.922	14.911	14.936	VV	23	280	0.15%	0.077%
233	14.981	14.936	14.996	VV	34	909	0.49%	0.250%
234	15.053	14.996	15.158	VV	60	3426	1.86%	0.943%
235	15.177	15.158	15.207	PV	39	699	0.38%	0.192%
236	15.230	15.207	15.253	VV	32	580	0.32%	0.160%
237	15.268	15.253	15.300	VV	30	615	0.33%	0.169%
238	15.339	15.300	15.362	VV	32	910	0.50%	0.250%
239	15.384	15.362	15.401	VV	31	660	0.36%	0.182%
240	15.443	15.401	15.559	VV	47	2804	1.53%	0.772%
241	15.582	15.559	15.620	VV	25	667	0.36%	0.184%
242	15.632	15.620	15.648	VV	29	296	0.16%	0.082%
243	15.667	15.648	15.683	VV	27	455	0.25%	0.125%
244	15.722	15.683	15.774	VV	38	1232	0.67%	0.339%
245	15.790	15.774	15.811	VV	28	479	0.26%	0.132%
246	15.876	15.811	15.893	PV	29	886	0.48%	0.244%

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247	15.944	15.893	16.013	VV	28	1517	0.83%	0.417%
248	16.060	16.013	16.102	VV	26	873	0.48%	0.240%
249	16.217	16.102	16.305	VV	57	3968	2.16%	1.092%
250	16.327	16.305	16.341	VV	15	285	0.15%	0.078%
251	16.492	16.341	16.518	VV	40	1998	1.09%	0.550%
252	16.553	16.518	16.592	VV	24	742	0.40%	0.204%
253	16.622	16.592	16.673	VV	26	655	0.36%	0.180%
254	16.682	16.673	16.728	VV	19	441	0.24%	0.121%
255	16.756	16.728	16.776	VV	25	436	0.24%	0.120%
256	16.792	16.776	16.826	VV	15	339	0.18%	0.093%
257	16.863	16.826	16.893	VV	35	712	0.39%	0.196%
258	16.910	16.893	16.931	VV	27	344	0.19%	0.095%
			Sum of corrected areas:			363349		

FB053025.M Tue Jun 03 06:02:43 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB060225\
Data File : FB031842.D
Signal(s) : FID2B.CH
Acq On : 2 Jun 2025 15:10
Operator : YP/AJ
Sample : Q2150-03
Misc : 6.22G/5.00 ML DI WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-39

Integration File: Calibration.e
Quant Time: Jun 03 05:27:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB053025.M
Quant Title :
QLast Update : Fri May 30 15:30:47 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 g/ml
Signal Phase : RTX-502.2
Signal Info : 60mx0.53mmx3.00um

	Compound	R.T.	Response	Conc Units
System Monitoring Compounds				
5) s	AAA-TFT	8.791	253058	20.738 ng/ml
Target Compounds				

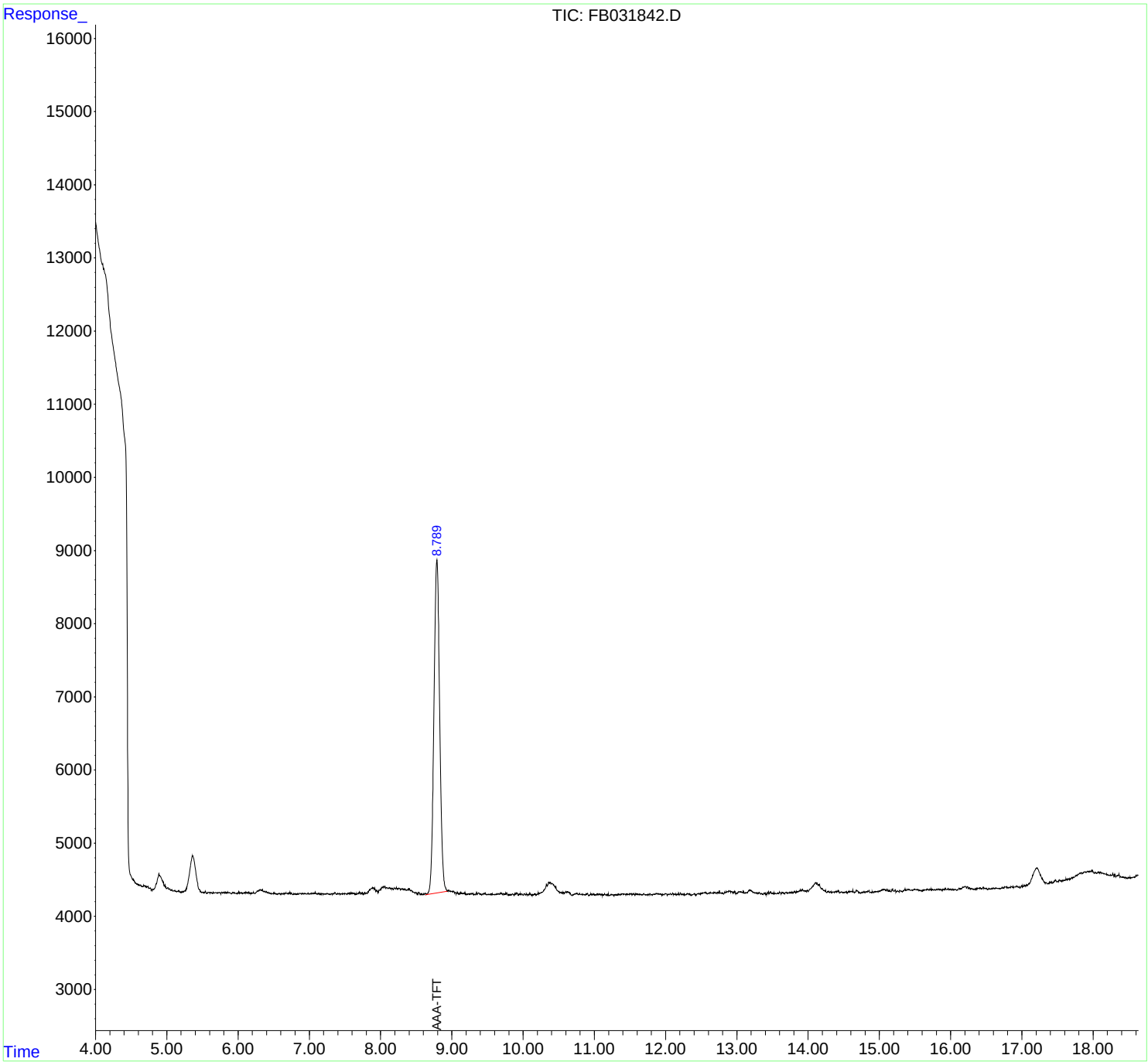
(f)=RT Delta > 1/2 Window (m)=manual int.

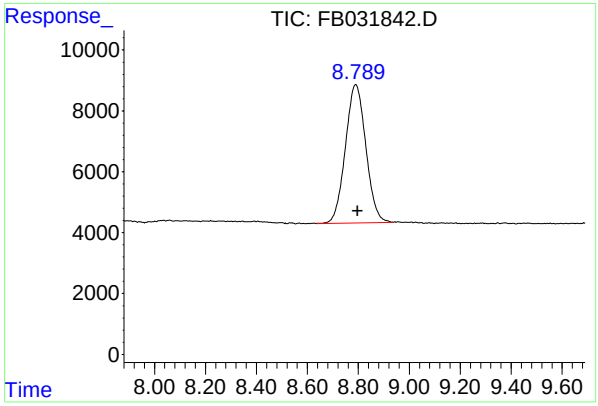
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB060225\
Data File : FB031842.D
Signal(s) : FID2B.CH
Acq On : 2 Jun 2025 15:10
Operator : YP/AJ
Sample : Q2150-03
Misc : 6.22G/5.00 ML DI WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-39

Integration File: Calibration.e
Quant Time: Jun 03 05:27:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB053025.M
Quant Title :
QLast Update : Fri May 30 15:30:47 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 g/ml
Signal Phase : RTX-502.2
Signal Info : 60mx0.53mmx3.00um





#5 AAA-TFT

R.T.:	8.791 min
Delta R.T.:	-0.007 mi
Response:	253058
Conc:	20.74 ng/m

Instrument :
FID_B
ClientSampleId :
TP-39

6

A B C D E F G H I

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB060225\
Data File : FB031842.D
Signal(s) : FID2B.CH
Acq On : 2 Jun 2025 15:10
Sample : Q2150-03
Misc : 6.22G/5.00 ML DI WATER
ALS Vial : 7 Sample Multiplier: 1

Integration File: SAMPLE.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB053025.M
Title :

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.675	4.668	4.721	PV	24	696	0.27%	0.155%
2	4.736	4.721	4.756	VV	32	479	0.18%	0.106%
3	4.769	4.756	4.796	VV	29	396	0.15%	0.088%
4	4.806	4.796	4.816	PV	24	209	0.08%	0.046%
5	4.975	4.967	4.996	VV	96	1239	0.48%	0.275%
6	5.015	4.996	5.063	VV	59	1635	0.63%	0.363%
7	5.072	5.063	5.089	VV	33	351	0.14%	0.078%
8	5.097	5.089	5.103	VV	20	146	0.06%	0.032%
9	5.113	5.103	5.138	VV	29	362	0.14%	0.080%
10	5.169	5.138	5.199	VV	32	521	0.20%	0.116%
11	5.494	5.486	5.508	VV	19	193	0.07%	0.043%
12	5.517	5.508	5.527	VV	21	145	0.06%	0.032%
13	5.542	5.527	5.568	VV	31	306	0.12%	0.068%
14	5.595	5.568	5.607	PV	17	273	0.11%	0.061%
15	5.620	5.607	5.643	VV	18	224	0.09%	0.050%
16	5.653	5.643	5.669	VV	21	194	0.07%	0.043%
17	5.685	5.669	5.715	VV	18	359	0.14%	0.080%
18	5.739	5.715	5.758	VV	19	363	0.14%	0.081%
19	5.775	5.758	5.787	PV	26	277	0.11%	0.061%
20	5.807	5.787	5.817	VV	23	277	0.11%	0.061%
21	5.858	5.817	5.908	VV	25	818	0.32%	0.181%
22	5.941	5.908	5.969	VV	23	497	0.19%	0.110%
23	5.976	5.969	5.985	VV	11	82	0.03%	0.018%
24	5.997	5.985	6.003	VV	17	110	0.04%	0.024%
25	6.013	6.003	6.026	VV	28	250	0.10%	0.055%
26	6.046	6.026	6.072	VV	21	402	0.16%	0.089%
27	6.084	6.072	6.099	VV	22	269	0.10%	0.060%
28	6.111	6.099	6.119	VV	31	261	0.10%	0.058%
29	6.126	6.119	6.143	VV	22	262	0.10%	0.058%
30	6.152	6.143	6.171	VV	34	341	0.13%	0.076%
31	6.189	6.171	6.199	VV	22	249	0.10%	0.055%
32	6.309	6.199	6.329	VV	61	2738	1.06%	0.608%
33	6.339	6.329	6.363	VV	70	1041	0.40%	0.231%
34	6.371	6.363	6.391	VV	43	619	0.24%	0.137%
35	6.398	6.391	6.412	VV	44	411	0.16%	0.091%
36	6.418	6.412	6.476	VV	26	673	0.26%	0.149%

Page 1

rteres

37	6.509	6.476	6.528	VV	23	446	0.17%	0.099%
38	6.535	6.528	6.555	VV	15	135	0.05%	0.030%
39	6.580	6.555	6.598	VV	17	266	0.10%	0.059%
40	6.609	6.598	6.620	VV	18	156	0.06%	0.035%
41	6.627	6.620	6.638	VV	16	137	0.05%	0.030%
42	6.670	6.638	6.700	VV	22	605	0.23%	0.134%
43	6.709	6.700	6.717	VV	24	190	0.07%	0.042%
44	6.727	6.717	6.735	VV	35	213	0.08%	0.047%
45	6.743	6.735	6.769	VV	27	281	0.11%	0.062%
46	6.799	6.769	6.811	PV	18	242	0.09%	0.054%
47	6.837	6.811	6.851	VV	14	241	0.09%	0.054%
48	6.866	6.851	6.892	VV	21	377	0.15%	0.084%
49	6.935	6.892	6.966	VV	23	693	0.27%	0.154%
50	6.982	6.966	7.014	VV	23	389	0.15%	0.086%
51	7.046	7.014	7.056	VV	24	429	0.17%	0.095%
52	7.065	7.056	7.076	VV	25	239	0.09%	0.053%
53	7.083	7.076	7.115	VV	40	463	0.18%	0.103%
54	7.133	7.115	7.145	VV	25	301	0.12%	0.067%
55	7.155	7.145	7.163	VV	15	96	0.04%	0.021%
56	7.188	7.163	7.236	VV	18	521	0.20%	0.116%
57	7.252	7.236	7.298	VV	22	469	0.18%	0.104%
58	7.359	7.298	7.382	VV	30	852	0.33%	0.189%
59	7.398	7.382	7.407	VV	24	213	0.08%	0.047%
60	7.423	7.407	7.433	VV	23	253	0.10%	0.056%
61	7.477	7.433	7.484	VV	19	429	0.17%	0.095%
62	7.493	7.484	7.554	VV	23	701	0.27%	0.156%
63	7.560	7.554	7.600	VV	23	526	0.20%	0.117%
64	7.609	7.600	7.666	VV	30	709	0.27%	0.157%
65	7.708	7.666	7.732	VV	40	913	0.35%	0.203%
66	7.743	7.732	7.759	VV	42	357	0.14%	0.079%
67	7.777	7.759	7.787	VV	37	367	0.14%	0.081%
68	7.885	7.787	7.962	VV	101	6720	2.60%	1.491%
69	7.979	7.962	7.989	VV	70	934	0.36%	0.207%
70	8.037	7.989	8.047	VV	120	3215	1.24%	0.713%
71	8.060	8.047	8.078	VV	120	1986	0.77%	0.441%
72	8.090	8.078	8.108	VV	105	1758	0.68%	0.390%
73	8.122	8.108	8.152	VV	102	2546	0.98%	0.565%
74	8.165	8.152	8.182	VV	94	1557	0.60%	0.345%
75	8.193	8.182	8.214	VV	98	1738	0.67%	0.386%
76	8.222	8.214	8.240	VV	103	1394	0.54%	0.309%
77	8.254	8.240	8.309	VV	95	3534	1.37%	0.784%
78	8.317	8.309	8.364	VV	87	2525	0.98%	0.560%
79	8.392	8.364	8.483	VV	90	4378	1.69%	0.972%
80	8.493	8.483	8.521	VV	41	654	0.25%	0.145%
81	8.539	8.521	8.555	VV	34	468	0.18%	0.104%
82	8.568	8.555	8.597	VV	24	346	0.13%	0.077%
83	8.627	8.597	8.656	VV	26	579	0.22%	0.128%
84	8.790	8.656	8.938	VV	4580	258891	100.00%	57.454%
85	8.944	8.938	8.948	VV	65	400	0.15%	0.089%
86	8.956	8.948	9.004	VV	72	1897	0.73%	0.421%
87	9.009	9.004	9.017	VV	61	381	0.15%	0.085%
88	9.026	9.017	9.039	VV	57	652	0.25%	0.145%
89	9.045	9.039	9.059	VV	44	425	0.16%	0.094%

rteres

90	9.079	9.059	9.102	VV	44	709	0.27%	0.157%
91	9.129	9.102	9.157	VV	39	868	0.34%	0.193%
92	9.166	9.157	9.176	VV	32	302	0.12%	0.067%
93	9.184	9.176	9.207	VV	42	394	0.15%	0.087%
94	9.225	9.207	9.233	VV	24	279	0.11%	0.062%
95	9.240	9.233	9.249	VV	21	171	0.07%	0.038%
96	9.289	9.249	9.312	VV	28	744	0.29%	0.165%
97	9.323	9.312	9.337	VV	18	198	0.08%	0.044%
98	9.349	9.337	9.357	VV	41	275	0.11%	0.061%
99	9.378	9.357	9.393	VV	37	554	0.21%	0.123%
100	9.407	9.393	9.420	VV	21	264	0.10%	0.059%
101	9.452	9.420	9.495	VV	28	827	0.32%	0.184%
102	9.510	9.495	9.524	VV	15	221	0.09%	0.049%
103	9.554	9.524	9.561	VV	25	354	0.14%	0.079%
104	9.568	9.561	9.575	VV	23	125	0.05%	0.028%
105	9.596	9.575	9.607	VV	19	242	0.09%	0.054%
106	9.618	9.607	9.626	VV	20	165	0.06%	0.037%
107	9.637	9.626	9.648	VV	27	254	0.10%	0.056%
108	9.661	9.648	9.671	VV	26	277	0.11%	0.062%
109	9.685	9.671	9.714	VV	35	594	0.23%	0.132%
110	9.723	9.714	9.789	VV	27	944	0.36%	0.209%
111	9.799	9.789	9.807	VV	17	111	0.04%	0.025%
112	9.853	9.807	9.877	VV	24	510	0.20%	0.113%
113	9.891	9.877	9.899	VV	31	261	0.10%	0.058%
114	9.916	9.899	9.937	VV	38	529	0.20%	0.117%
115	9.968	9.937	10.002	VV	23	600	0.23%	0.133%
116	10.022	10.002	10.032	VV	26	306	0.12%	0.068%
117	10.049	10.032	10.060	VV	28	266	0.10%	0.059%
118	10.070	10.060	10.082	VV	20	144	0.06%	0.032%
119	10.095	10.082	10.140	VV	36	515	0.20%	0.114%
120	10.330	10.140	10.339	VV	156	5705	2.20%	1.266%
121	10.359	10.339	10.374	VV	185	3423	1.32%	0.760%
122	10.384	10.374	10.455	VV	186	7544	2.91%	1.674%
123	10.462	10.455	10.545	VV	114	3359	1.30%	0.745%
124	10.554	10.545	10.577	VV	48	705	0.27%	0.156%
125	10.600	10.577	10.610	VV	56	847	0.33%	0.188%
126	10.625	10.610	10.676	VV	58	1639	0.63%	0.364%
127	10.682	10.676	10.691	VV	15	71	0.03%	0.016%
128	10.727	10.691	10.747	PV	27	613	0.24%	0.136%
129	10.762	10.747	10.779	VV	33	470	0.18%	0.104%
130	10.789	10.779	10.815	VV	27	407	0.16%	0.090%
131	10.829	10.815	10.838	VV	25	219	0.08%	0.049%
132	10.848	10.838	10.881	VV	22	389	0.15%	0.086%
133	10.889	10.881	10.896	VV	30	199	0.08%	0.044%
134	10.905	10.896	10.924	VV	32	276	0.11%	0.061%
135	10.955	10.924	10.970	VV	24	396	0.15%	0.088%
136	10.983	10.970	10.995	VV	25	224	0.09%	0.050%
137	11.045	10.995	11.054	VV	24	473	0.18%	0.105%
138	11.065	11.054	11.084	VV	26	340	0.13%	0.075%
139	11.093	11.084	11.103	VV	22	180	0.07%	0.040%
140	11.109	11.103	11.117	VV	25	114	0.04%	0.025%
141	11.145	11.117	11.157	VV	28	322	0.12%	0.071%

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142	11.182	11.157	11.216	VV	18	358	0.14%	0.080%
143	11.238	11.216	11.273	VV	20	327	0.13%	0.073%
144	11.297	11.273	11.324	PV	14	284	0.11%	0.063%
145	11.334	11.324	11.346	VV	24	180	0.07%	0.040%
146	11.400	11.346	11.409	VV	27	642	0.25%	0.142%
147	11.417	11.409	11.434	VV	24	293	0.11%	0.065%
148	11.454	11.434	11.476	VV	23	456	0.18%	0.101%
149	11.524	11.476	11.533	VV	29	653	0.25%	0.145%
150	11.559	11.533	11.572	VV	27	414	0.16%	0.092%
151	11.583	11.572	11.594	VV	31	240	0.09%	0.053%
152	11.606	11.594	11.668	VV	23	657	0.25%	0.146%
153	11.695	11.668	11.740	VV	29	597	0.23%	0.132%
154	11.783	11.740	11.852	VV	26	977	0.38%	0.217%
155	11.880	11.852	11.950	VV	27	1165	0.45%	0.259%
156	11.998	11.950	12.027	PV	27	696	0.27%	0.154%
157	12.068	12.027	12.086	PV	26	505	0.19%	0.112%
158	12.098	12.086	12.173	VV	30	824	0.32%	0.183%
159	12.212	12.173	12.247	VV	31	669	0.26%	0.149%
160	12.262	12.247	12.285	VV	13	259	0.10%	0.058%
161	12.306	12.285	12.361	VV	24	639	0.25%	0.142%
162	12.404	12.361	12.429	PV	26	415	0.16%	0.092%
163	12.558	12.429	12.589	VV	45	2251	0.87%	0.500%
164	12.692	12.589	12.708	VV	36	2051	0.79%	0.455%
165	12.755	12.708	12.815	VV	54	1865	0.72%	0.414%
166	12.890	12.815	13.006	VV	60	4315	1.67%	0.958%
167	13.056	13.006	13.085	VV	45	1686	0.65%	0.374%
168	13.091	13.085	13.115	VV	53	587	0.23%	0.130%
169	13.182	13.115	13.299	VV	69	4044	1.56%	0.897%
170	13.313	13.299	13.336	VV	28	406	0.16%	0.090%
171	13.348	13.336	13.369	VV	11	174	0.07%	0.039%
172	13.391	13.369	13.422	PV	20	373	0.14%	0.083%
173	13.443	13.422	13.552	VV	40	1462	0.56%	0.324%
174	13.603	13.552	13.622	VV	32	711	0.27%	0.158%
175	13.645	13.622	13.675	VV	28	576	0.22%	0.128%
176	13.694	13.675	13.728	VV	26	615	0.24%	0.137%
177	13.743	13.728	13.758	VV	32	422	0.16%	0.094%
178	13.809	13.758	13.824	VV	39	1020	0.39%	0.226%
179	13.892	13.824	13.908	VV	60	1939	0.75%	0.430%
180	13.923	13.908	13.978	VV	71	1972	0.76%	0.438%
181	13.990	13.978	14.004	VV	50	672	0.26%	0.149%
182	14.107	14.004	14.264	VV	148	13642	5.27%	3.027%
183	14.285	14.264	14.335	VV	35	966	0.37%	0.214%
184	14.352	14.335	14.368	VV	23	390	0.15%	0.086%
185	14.425	14.368	14.449	VV	35	1316	0.51%	0.292%
186	14.467	14.449	14.548	VV	20	1013	0.39%	0.225%
187	14.628	14.548	14.649	VV	44	1408	0.54%	0.312%
188	14.683	14.649	14.735	VV	42	1071	0.41%	0.238%
189	14.855	14.735	14.894	PV	35	1387	0.54%	0.308%
190	15.049	14.894	15.162	VV	45	3865	1.49%	0.858%
191	15.185	15.162	15.211	VV	44	709	0.27%	0.157%
192	15.222	15.211	15.242	VV	37	337	0.13%	0.075%
193	15.257	15.242	15.278	VV	21	265	0.10%	0.059%
194	15.290	15.278	15.326	VV	24	405	0.16%	0.090%

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195	15.360	15.326	15.446	VV	45	1751	0.68%	0.388%
196	15.493	15.446	15.598	VV	34	2045	0.79%	0.454%
197	15.679	15.598	15.701	VV	27	1217	0.47%	0.270%
198	15.714	15.701	15.790	VV	23	1056	0.41%	0.234%
199	15.804	15.790	15.816	VV	27	308	0.12%	0.068%
200	15.831	15.816	15.882	VV	30	757	0.29%	0.168%
201	15.895	15.882	15.910	VV	20	340	0.13%	0.075%
202	15.928	15.910	15.946	VV	33	463	0.18%	0.103%
203	15.965	15.946	15.980	VV	34	406	0.16%	0.090%
204	15.999	15.980	16.052	VV	19	624	0.24%	0.138%
205	16.064	16.052	16.089	VV	17	267	0.10%	0.059%
206	16.120	16.089	16.155	VV	32	737	0.28%	0.164%
207	16.205	16.155	16.227	VV	53	1776	0.69%	0.394%
208	16.238	16.227	16.282	VV	46	993	0.38%	0.220%
209	16.297	16.282	16.339	VV	22	488	0.19%	0.108%
210	16.415	16.339	16.434	VV	32	1057	0.41%	0.235%
211	16.455	16.434	16.520	VV	33	893	0.35%	0.198%
212	16.541	16.520	16.570	PV	11	233	0.09%	0.052%
213	16.604	16.570	16.700	VV	20	759	0.29%	0.168%
214	16.761	16.700	16.816	VV	24	1006	0.39%	0.223%
215	16.854	16.816	16.888	VV	21	675	0.26%	0.150%
216	16.930	16.888	16.974	VV	27	822	0.32%	0.182%
			Sum of corrected areas:			450609		

FB053025.M Tue Jun 03 05:58:13 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB060225\
Data File : FB031843.D
Signal(s) : FID2B.CH
Acq On : 2 Jun 2025 15:38
Operator : YP/AJ
Sample : Q2150-04
Misc : 6.73G/5.00 ML DI WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-48

Integration File: Calibration.e
Quant Time: Jun 03 05:27:45 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB053025.M
Quant Title :
QLast Update : Fri May 30 15:30:47 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 g/ml
Signal Phase : RTX-502.2
Signal Info : 60mx0.53mmx3.00um

	Compound	R.T.	Response	Conc Units
System Monitoring Compounds				
5) s	AAA-TFT	8.791	68874	5.644 ng/ml
Target Compounds				

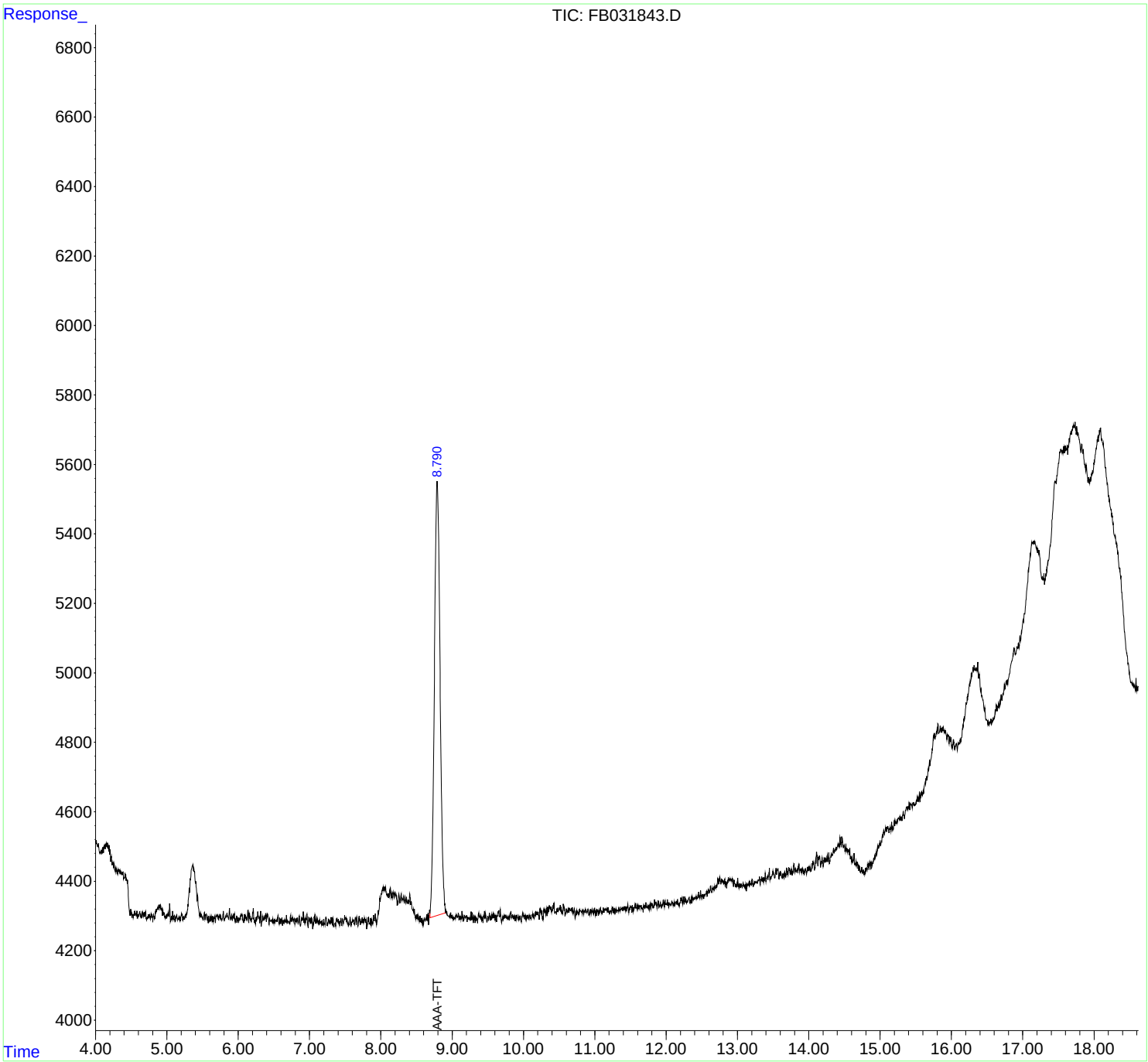
(f)=RT Delta > 1/2 Window (m)=manual int.

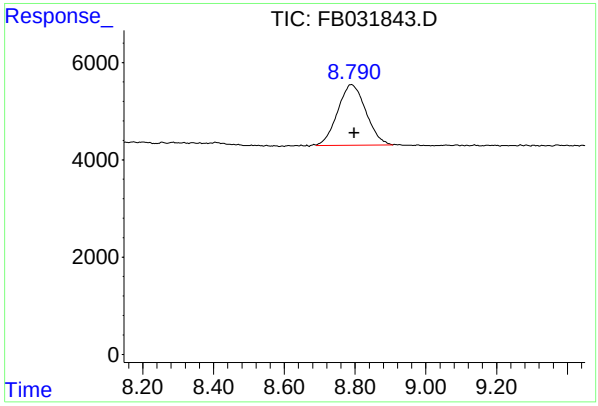
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB060225\
Data File : FB031843.D
Signal(s) : FID2B.CH
Acq On : 2 Jun 2025 15:38
Operator : YP/AJ
Sample : Q2150-04
Misc : 6.73G/5.00 ML DI WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-48

Integration File: Calibration.e
Quant Time: Jun 03 05:27:45 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB053025.M
Quant Title :
QLast Update : Fri May 30 15:30:47 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 g/ml
Signal Phase : RTX-502.2
Signal Info : 60mx0.53mmx3.00um





#5 AAA-TFT

R.T.:	8.791 min
Delta R.T.:	-0.007 mi
Response:	68874
Conc:	5.64 ng/m

Instrument :
FID_B
ClientSampleId :
TP-48

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB060225\
Data File : FB031843.D
Signal(s) : FID2B.CH
Acq On : 2 Jun 2025 15:38
Sample : Q2150-04
Misc : 6.73G/5.00 ML DI WATER
ALS Vial : 10 Sample Multiplier: 1

Integration File: SAMPLE.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB053025.M
Title :

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.619	4.604	4.646	BV	13	150	0.20%	0.047%
2	4.658	4.646	4.682	PV	18	244	0.33%	0.077%
3	4.701	4.682	4.720	VV	23	265	0.36%	0.083%
4	4.729	4.720	4.735	PV	9	50	0.07%	0.016%
5	4.757	4.735	4.768	VV	17	205	0.28%	0.065%
6	4.786	4.768	4.805	VV	20	285	0.39%	0.090%
7	4.815	4.805	4.831	PV	19	186	0.25%	0.058%
8	4.872	4.831	4.879	VV	40	839	1.14%	0.264%
9	4.891	4.879	4.899	VV	47	530	0.72%	0.166%
10	4.960	4.952	4.982	VV	25	333	0.45%	0.105%
11	4.991	4.982	4.998	VV	19	154	0.21%	0.048%
12	5.020	4.998	5.029	VV	26	362	0.49%	0.114%
13	5.039	5.029	5.053	VV	50	372	0.51%	0.117%
14	5.082	5.053	5.092	VV	31	316	0.43%	0.099%
15	5.105	5.092	5.118	VV	20	200	0.27%	0.063%
16	5.140	5.118	5.160	VV	23	309	0.42%	0.097%
17	5.175	5.160	5.183	VV	15	155	0.21%	0.049%
18	5.205	5.183	5.224	VV	26	388	0.53%	0.122%
19	5.526	5.509	5.536	VV	32	319	0.43%	0.100%
20	5.553	5.536	5.581	VV	27	505	0.69%	0.159%
21	5.612	5.581	5.655	VV	21	555	0.75%	0.174%
22	5.672	5.655	5.681	VV	23	246	0.33%	0.077%
23	5.704	5.681	5.726	VV	24	537	0.73%	0.169%
24	5.745	5.726	5.772	VV	29	530	0.72%	0.167%
25	5.791	5.772	5.811	VV	37	493	0.67%	0.155%
26	5.843	5.811	5.865	VV	32	709	0.96%	0.223%
27	5.878	5.865	5.904	VV	46	606	0.82%	0.190%
28	5.909	5.904	5.917	VV	28	178	0.24%	0.056%
29	5.930	5.917	5.938	VV	26	272	0.37%	0.086%
30	5.946	5.938	5.965	VV	30	303	0.41%	0.095%
31	5.978	5.965	6.010	VV	26	454	0.62%	0.143%
32	6.043	6.010	6.082	VV	30	873	1.18%	0.274%
33	6.087	6.082	6.121	VV	30	502	0.68%	0.158%
34	6.135	6.121	6.148	VV	43	427	0.58%	0.134%
35	6.157	6.148	6.184	VV	33	458	0.62%	0.144%
36	6.211	6.184	6.243	VV	46	789	1.07%	0.248%

rteres

37	6.275	6.243	6.302	VV	39	812	1.10%	0.255%
38	6.316	6.302	6.326	VV	40	304	0.41%	0.096%
39	6.343	6.326	6.359	VV	27	346	0.47%	0.109%
40	6.384	6.359	6.396	VV	33	557	0.76%	0.175%
41	6.413	6.396	6.434	VV	37	592	0.80%	0.186%
42	6.444	6.434	6.456	VV	21	216	0.29%	0.068%
43	6.472	6.456	6.480	VV	19	237	0.32%	0.074%
44	6.488	6.480	6.502	VV	23	206	0.28%	0.065%
45	6.558	6.502	6.577	VV	33	843	1.14%	0.265%
46	6.587	6.577	6.611	VV	24	335	0.45%	0.105%
47	6.613	6.611	6.641	VV	25	282	0.38%	0.089%
48	6.678	6.641	6.691	VV	33	560	0.76%	0.176%
49	6.700	6.691	6.724	VV	18	291	0.39%	0.091%
50	6.734	6.724	6.744	VV	32	261	0.35%	0.082%
51	6.762	6.744	6.775	VV	29	421	0.57%	0.132%
52	6.784	6.775	6.796	VV	26	262	0.36%	0.082%
53	6.833	6.796	6.843	VV	27	564	0.77%	0.177%
54	6.857	6.843	6.873	VV	35	339	0.46%	0.106%
55	6.915	6.873	6.945	VV	44	1002	1.36%	0.315%
56	6.964	6.945	6.981	VV	41	497	0.67%	0.156%
57	6.992	6.981	7.003	VV	31	292	0.40%	0.092%
58	7.025	7.003	7.045	VV	30	535	0.73%	0.168%
59	7.079	7.045	7.097	PV	39	706	0.96%	0.222%
60	7.107	7.097	7.133	VV	33	443	0.60%	0.139%
61	7.142	7.133	7.167	VV	25	357	0.49%	0.112%
62	7.177	7.167	7.198	VV	20	299	0.41%	0.094%
63	7.203	7.198	7.216	VV	21	182	0.25%	0.057%
64	7.230	7.216	7.251	VV	32	436	0.59%	0.137%
65	7.270	7.251	7.290	VV	23	407	0.55%	0.128%
66	7.301	7.290	7.327	VV	31	505	0.69%	0.159%
67	7.334	7.327	7.344	VV	25	147	0.20%	0.046%
68	7.358	7.344	7.367	VV	14	156	0.21%	0.049%
69	7.380	7.367	7.427	VV	24	690	0.94%	0.217%
70	7.441	7.427	7.454	VV	26	275	0.37%	0.086%
71	7.463	7.454	7.475	VV	27	258	0.35%	0.081%
72	7.495	7.475	7.554	VV	34	1016	1.38%	0.319%
73	7.570	7.554	7.582	VV	32	303	0.41%	0.095%
74	7.615	7.582	7.632	VV	21	494	0.67%	0.155%
75	7.643	7.632	7.654	VV	29	293	0.40%	0.092%
76	7.665	7.654	7.682	VV	32	351	0.48%	0.110%
77	7.699	7.682	7.714	VV	33	384	0.52%	0.121%
78	7.738	7.714	7.747	VV	30	377	0.51%	0.119%
79	7.773	7.747	7.803	VV	27	689	0.94%	0.217%
80	7.830	7.803	7.849	PV	32	500	0.68%	0.157%
81	7.857	7.849	7.887	VV	27	387	0.52%	0.122%
82	7.898	7.887	7.909	VV	34	308	0.42%	0.097%
83	7.924	7.909	7.943	VV	39	482	0.65%	0.152%
84	8.051	7.943	8.059	VV	116	5462	7.41%	1.716%
85	8.065	8.059	8.092	VV	117	2036	2.76%	0.640%
86	8.100	8.092	8.117	VV	96	1355	1.84%	0.426%
87	8.134	8.117	8.160	VV	111	2508	3.40%	0.788%
88	8.174	8.160	8.186	VV	101	1409	1.91%	0.443%
89	8.201	8.186	8.231	VV	99	2367	3.21%	0.744%

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90	8.256	8.231	8.270	VV	93	1810	2.46%	0.569%
91	8.286	8.270	8.311	VV	93	2002	2.72%	0.629%
92	8.317	8.311	8.331	VV	86	888	1.20%	0.279%
93	8.341	8.331	8.353	VV	84	1051	1.43%	0.330%
94	8.362	8.353	8.371	VV	82	752	1.02%	0.236%
95	8.406	8.371	8.492	VV	91	4162	5.65%	1.308%
96	8.508	8.492	8.542	VV	30	680	0.92%	0.214%
97	8.550	8.542	8.567	VV	27	228	0.31%	0.072%
98	8.573	8.567	8.588	VV	17	149	0.20%	0.047%
99	8.613	8.588	8.623	VV	20	249	0.34%	0.078%
100	8.649	8.623	8.671	VV	29	506	0.69%	0.159%
101	8.790	8.671	8.965	VV	1274	73694	100.00%	23.160%
102	8.978	8.965	8.988	VV	32	343	0.47%	0.108%
103	8.994	8.988	9.025	VV	22	367	0.50%	0.115%
104	9.033	9.025	9.038	VV	18	131	0.18%	0.041%
105	9.058	9.038	9.075	VV	26	448	0.61%	0.141%
106	9.088	9.075	9.125	VV	29	594	0.81%	0.187%
107	9.138	9.125	9.154	VV	33	320	0.43%	0.101%
108	9.174	9.154	9.185	VV	23	299	0.41%	0.094%
109	9.196	9.185	9.211	VV	19	257	0.35%	0.081%
110	9.218	9.211	9.236	VV	16	205	0.28%	0.065%
111	9.247	9.236	9.258	VV	13	159	0.22%	0.050%
112	9.269	9.258	9.277	VV	30	205	0.28%	0.065%
113	9.285	9.277	9.297	VV	28	195	0.27%	0.061%
114	9.305	9.297	9.322	VV	21	185	0.25%	0.058%
115	9.331	9.322	9.358	VV	16	202	0.27%	0.064%
116	9.373	9.358	9.436	PB	25	577	0.78%	0.181%
117	9.455	9.436	9.488	BV	27	409	0.56%	0.129%
118	9.505	9.488	9.513	PV	14	134	0.18%	0.042%
119	9.524	9.513	9.552	VV	26	324	0.44%	0.102%
120	9.579	9.552	9.604	VV	27	521	0.71%	0.164%
121	9.614	9.604	9.624	VV	20	166	0.23%	0.052%
122	9.652	9.624	9.664	VV	32	539	0.73%	0.169%
123	9.678	9.664	9.694	VV	37	356	0.48%	0.112%
124	9.709	9.694	9.718	PV	15	132	0.18%	0.041%
125	9.734	9.718	9.741	VV	21	207	0.28%	0.065%
126	9.750	9.741	9.781	VV	21	352	0.48%	0.111%
127	9.823	9.781	9.834	VV	30	563	0.76%	0.177%
128	9.848	9.834	9.887	VV	22	466	0.63%	0.146%
129	9.896	9.887	9.903	VV	20	119	0.16%	0.037%
130	9.911	9.903	9.930	VV	19	216	0.29%	0.068%
131	9.939	9.930	9.948	VV	17	129	0.18%	0.041%
132	9.956	9.948	9.970	VV	17	124	0.17%	0.039%
133	9.989	9.970	10.042	PV	24	618	0.84%	0.194%
134	10.050	10.042	10.077	VV	18	263	0.36%	0.083%
135	10.088	10.077	10.109	VV	17	220	0.30%	0.069%
136	10.130	10.109	10.150	VV	21	350	0.47%	0.110%
137	10.172	10.150	10.220	VV	25	754	1.02%	0.237%
138	10.231	10.220	10.254	VV	33	478	0.65%	0.150%
139	10.258	10.254	10.279	VV	27	201	0.27%	0.063%
140	10.296	10.279	10.314	VV	31	503	0.68%	0.158%
141	10.322	10.314	10.345	VV	31	480	0.65%	0.151%

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142	10.367	10.345	10.396	VV	41	963	1.31%	0.303%
143	10.428	10.396	10.442	VV	46	910	1.23%	0.286%
144	10.452	10.442	10.462	VV	23	255	0.35%	0.080%
145	10.480	10.462	10.488	VV	30	385	0.52%	0.121%
146	10.515	10.488	10.549	VV	39	989	1.34%	0.311%
147	10.561	10.549	10.584	VV	40	557	0.76%	0.175%
148	10.603	10.584	10.615	VV	28	352	0.48%	0.111%
149	10.629	10.615	10.661	VV	30	700	0.95%	0.220%
150	10.672	10.661	10.698	VV	29	517	0.70%	0.162%
151	10.714	10.698	10.726	VV	28	279	0.38%	0.088%
152	10.737	10.726	10.741	PV	19	86	0.12%	0.027%
153	10.748	10.741	10.774	VV	21	306	0.41%	0.096%
154	10.793	10.774	10.825	VV	23	529	0.72%	0.166%
155	10.835	10.825	10.845	VV	19	196	0.27%	0.061%
156	10.856	10.845	10.866	VV	18	194	0.26%	0.061%
157	10.874	10.866	10.887	VV	20	213	0.29%	0.067%
158	10.904	10.887	10.918	VV	22	291	0.39%	0.091%
159	10.944	10.918	10.952	VV	20	262	0.36%	0.082%
160	10.961	10.952	10.980	VV	18	228	0.31%	0.072%
161	10.996	10.980	11.009	VV	23	238	0.32%	0.075%
162	11.016	11.009	11.024	VV	13	78	0.11%	0.025%
163	11.033	11.024	11.051	PV	15	180	0.24%	0.057%
164	11.079	11.051	11.105	VV	21	385	0.52%	0.121%
165	11.121	11.105	11.132	VV	19	187	0.25%	0.059%
166	11.154	11.132	11.181	VV	18	436	0.59%	0.137%
167	11.189	11.181	11.214	VV	20	183	0.25%	0.057%
168	11.250	11.214	11.292	VV	20	456	0.62%	0.143%
169	11.299	11.292	11.310	VV	14	102	0.14%	0.032%
170	11.339	11.310	11.348	VV	19	230	0.31%	0.072%
171	11.425	11.348	11.448	VV	19	737	1.00%	0.232%
172	11.465	11.448	11.489	VV	25	296	0.40%	0.093%
173	11.499	11.489	11.518	VV	19	234	0.32%	0.073%
174	11.527	11.518	11.537	PV	20	126	0.17%	0.040%
175	11.546	11.537	11.552	VV	14	88	0.12%	0.028%
176	11.575	11.552	11.618	VV	21	543	0.74%	0.171%
177	11.632	11.618	11.676	VV	15	394	0.53%	0.124%
178	11.686	11.676	11.706	PV	14	187	0.25%	0.059%
179	11.719	11.706	11.741	VV	23	242	0.33%	0.076%
180	11.750	11.741	11.765	VV	14	129	0.17%	0.040%
181	11.778	11.765	11.788	VV	21	168	0.23%	0.053%
182	11.804	11.788	11.821	VV	19	244	0.33%	0.077%
183	11.838	11.821	11.876	VV	27	463	0.63%	0.146%
184	11.891	11.876	11.910	VV	21	215	0.29%	0.068%
185	11.920	11.910	11.945	VV	17	185	0.25%	0.058%
186	11.961	11.945	11.977	VV	21	235	0.32%	0.074%
187	12.019	11.977	12.040	VV	20	366	0.50%	0.115%
188	12.058	12.040	12.068	VV	9	104	0.14%	0.033%
189	12.081	12.068	12.128	VV	15	295	0.40%	0.093%
190	12.161	12.128	12.188	VV	18	289	0.39%	0.091%
191	12.208	12.188	12.232	PV	22	323	0.44%	0.102%
192	12.242	12.232	12.252	VV	23	136	0.18%	0.043%
193	12.262	12.252	12.289	VV	21	226	0.31%	0.071%
194	12.298	12.289	12.303	VV	8	50	0.07%	0.016%

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195	12.322	12.303	12.339	VV	18	233	0.32%	0.073%
196	12.365	12.339	12.383	VV	17	286	0.39%	0.090%
197	12.415	12.383	12.433	VV	17	404	0.55%	0.127%
198	12.458	12.433	12.474	VV	28	423	0.57%	0.133%
199	12.485	12.474	12.514	VV	29	418	0.57%	0.131%
200	12.567	12.514	12.576	VV	28	678	0.92%	0.213%
201	12.595	12.576	12.609	VV	32	493	0.67%	0.155%
202	12.625	12.609	12.642	VV	41	588	0.80%	0.185%
203	12.727	12.642	12.737	VV	59	2065	2.80%	0.649%
204	12.755	12.737	12.768	VV	60	964	1.31%	0.303%
205	12.782	12.768	12.812	VV	54	1302	1.77%	0.409%
206	12.822	12.812	12.849	VV	53	937	1.27%	0.294%
207	12.876	12.849	12.943	VV	54	2626	3.56%	0.825%
208	12.952	12.943	12.988	VV	46	954	1.29%	0.300%
209	13.005	12.988	13.023	VV	49	692	0.94%	0.218%
210	13.035	13.023	13.051	VV	34	463	0.63%	0.145%
211	13.058	13.051	13.067	VV	30	265	0.36%	0.083%
212	13.080	13.067	13.107	VV	34	613	0.83%	0.193%
213	13.116	13.107	13.126	VV	28	227	0.31%	0.071%
214	13.210	13.126	13.232	VV	39	1732	2.35%	0.544%
215	13.247	13.232	13.278	VV	33	786	1.07%	0.247%
216	13.292	13.278	13.299	VV	36	398	0.54%	0.125%
217	13.311	13.299	13.321	VV	42	433	0.59%	0.136%
218	13.341	13.321	13.374	VV	41	1040	1.41%	0.327%
219	13.392	13.374	13.402	VV	51	630	0.85%	0.198%
220	13.422	13.402	13.430	VV	41	603	0.82%	0.190%
221	13.447	13.430	13.461	VV	58	766	1.04%	0.241%
222	13.499	13.461	13.523	VV	52	1535	2.08%	0.482%
223	13.539	13.523	13.549	VV	57	717	0.97%	0.225%
224	13.568	13.549	13.584	VV	59	1015	1.38%	0.319%
225	13.599	13.584	13.629	VV	48	1047	1.42%	0.329%
226	13.640	13.629	13.651	VV	41	471	0.64%	0.148%
227	13.664	13.651	13.673	VV	46	510	0.69%	0.160%
228	13.691	13.673	13.709	VV	55	893	1.21%	0.281%
229	13.727	13.709	13.745	VV	54	1001	1.36%	0.315%
230	13.758	13.745	13.768	VV	50	584	0.79%	0.184%
231	13.793	13.768	13.808	VV	65	1125	1.53%	0.353%
232	13.815	13.808	13.827	VV	51	512	0.70%	0.161%
233	13.838	13.827	13.846	VV	48	496	0.67%	0.156%
234	13.861	13.846	13.872	VV	59	785	1.07%	0.247%
235	13.889	13.872	13.899	VV	46	675	0.92%	0.212%
236	13.915	13.899	13.935	VV	45	834	1.13%	0.262%
237	13.954	13.935	13.973	VV	43	819	1.11%	0.257%
238	14.017	13.973	14.033	VV	46	1472	2.00%	0.463%
239	14.059	14.033	14.082	VV	62	1462	1.98%	0.460%
240	14.111	14.082	14.128	VV	86	1727	2.34%	0.543%
241	14.138	14.128	14.147	VV	71	715	0.97%	0.225%
242	14.154	14.147	14.167	VV	74	760	1.03%	0.239%
243	14.188	14.167	14.202	VV	67	1143	1.55%	0.359%
244	14.259	14.202	14.268	VV	71	2366	3.21%	0.743%
245	14.280	14.268	14.290	VV	75	826	1.12%	0.260%
246	14.324	14.290	14.332	VV	73	1636	2.22%	0.514%

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247	14.384	14.332	14.395	VV	92	3113	4.22%	0.978%
248	14.440	14.395	14.454	VV	117	3479	4.72%	1.093%
249	14.464	14.454	14.492	VV	118	2319	3.15%	0.729%
250	14.500	14.492	14.515	VV	94	1170	1.59%	0.368%
251	14.521	14.515	14.552	VV	95	1743	2.37%	0.548%
252	14.560	14.552	14.602	VV	79	1977	2.68%	0.621%
253	14.635	14.602	14.657	VV	65	1471	2.00%	0.462%
254	14.665	14.657	14.672	VV	42	328	0.44%	0.103%
255	14.684	14.672	14.729	VV	39	807	1.10%	0.254%
256	14.745	14.729	14.778	VV	19	274	0.37%	0.086%
257	14.839	14.778	14.846	PV	19	408	0.55%	0.128%
258	14.862	14.846	14.872	VV	22	218	0.30%	0.069%
259	15.000	14.872	15.009	PV	47	2060	2.80%	0.647%
260	15.052	15.009	15.065	VV	67	1789	2.43%	0.562%
261	15.079	15.065	15.094	VV	67	1051	1.43%	0.330%
262	15.110	15.094	15.124	VV	64	1046	1.42%	0.329%
263	15.134	15.124	15.139	VV	53	432	0.59%	0.136%
264	15.145	15.139	15.156	VV	52	467	0.63%	0.147%
265	15.164	15.156	15.182	VV	63	741	1.01%	0.233%
266	15.278	15.182	15.287	VV	52	2980	4.04%	0.936%
267	15.296	15.287	15.304	VV	47	429	0.58%	0.135%
268	15.326	15.304	15.343	VV	53	946	1.28%	0.297%
269	15.372	15.343	15.396	VV	56	1525	2.07%	0.479%
270	15.409	15.396	15.418	VV	59	659	0.89%	0.207%
271	15.428	15.418	15.451	VV	51	880	1.19%	0.276%
272	15.472	15.451	15.497	VV	44	1051	1.43%	0.330%
273	15.524	15.497	15.542	VV	46	996	1.35%	0.313%
274	15.553	15.542	15.562	VV	52	488	0.66%	0.153%
275	15.587	15.562	15.602	VV	48	974	1.32%	0.306%
276	15.764	15.602	15.773	VV	171	10093	13.70%	3.172%
277	15.812	15.773	15.825	VV	187	5165	7.01%	1.623%
278	15.844	15.825	15.872	VV	170	4469	6.06%	1.404%
279	15.880	15.872	15.899	VV	158	2497	3.39%	0.785%
280	15.907	15.899	15.938	VV	144	3109	4.22%	0.977%
281	15.947	15.938	15.968	VV	121	2066	2.80%	0.649%
282	15.977	15.968	15.988	VV	108	1178	1.60%	0.370%
283	15.996	15.988	16.007	VV	99	1037	1.41%	0.326%
284	16.028	16.007	16.049	VV	88	1815	2.46%	0.570%
285	16.072	16.049	16.085	VV	66	1291	1.75%	0.406%
286	16.303	16.085	16.311	VV	227	17658	23.96%	5.549%
287	16.320	16.311	16.338	VV	230	3563	4.84%	1.120%
288	16.348	16.338	16.361	VV	215	2967	4.03%	0.932%
289	16.370	16.361	16.382	VV	225	2523	3.42%	0.793%
290	16.391	16.382	16.530	VV	187	7506	10.19%	2.359%
291	16.554	16.530	16.562	VV	15	195	0.27%	0.061%
292	16.587	16.562	16.594	PV	8	77	0.10%	0.024%
293	16.633	16.594	16.643	PV	23	338	0.46%	0.106%
294	16.698	16.643	16.711	VV	22	364	0.49%	0.114%
295	16.745	16.711	16.754	PV	26	326	0.44%	0.102%
296	16.770	16.754	16.791	VV	21	303	0.41%	0.095%
297	16.877	16.791	16.896	PV	42	1553	2.11%	0.488%
298	16.923	16.896	16.931	VV	20	345	0.47%	0.108%
299	16.940	16.931	16.948	VV	20	117	0.16%	0.037%

rteres
Sum of corrected areas: 318201

FB053025.M Tue Jun 03 05:58:53 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB060225\
Data File : FB031844.D
Signal(s) : FID2B.CH
Acq On : 2 Jun 2025 16:06
Operator : YP/AJ
Sample : Q2150-05
Misc : 4.00G/5.00 ML DI WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-47

Integration File: Calibration.e
Quant Time: Jun 03 05:27:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB053025.M
Quant Title :
QLast Update : Fri May 30 15:30:47 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 g/ml
Signal Phase : RTX-502.2
Signal Info : 60mx0.53mmx3.00um

	Compound	R.T.	Response	Conc Units
System Monitoring Compounds				
5) s	AAA-TFT	8.792	293333	24.039 ng/ml
Target Compounds				

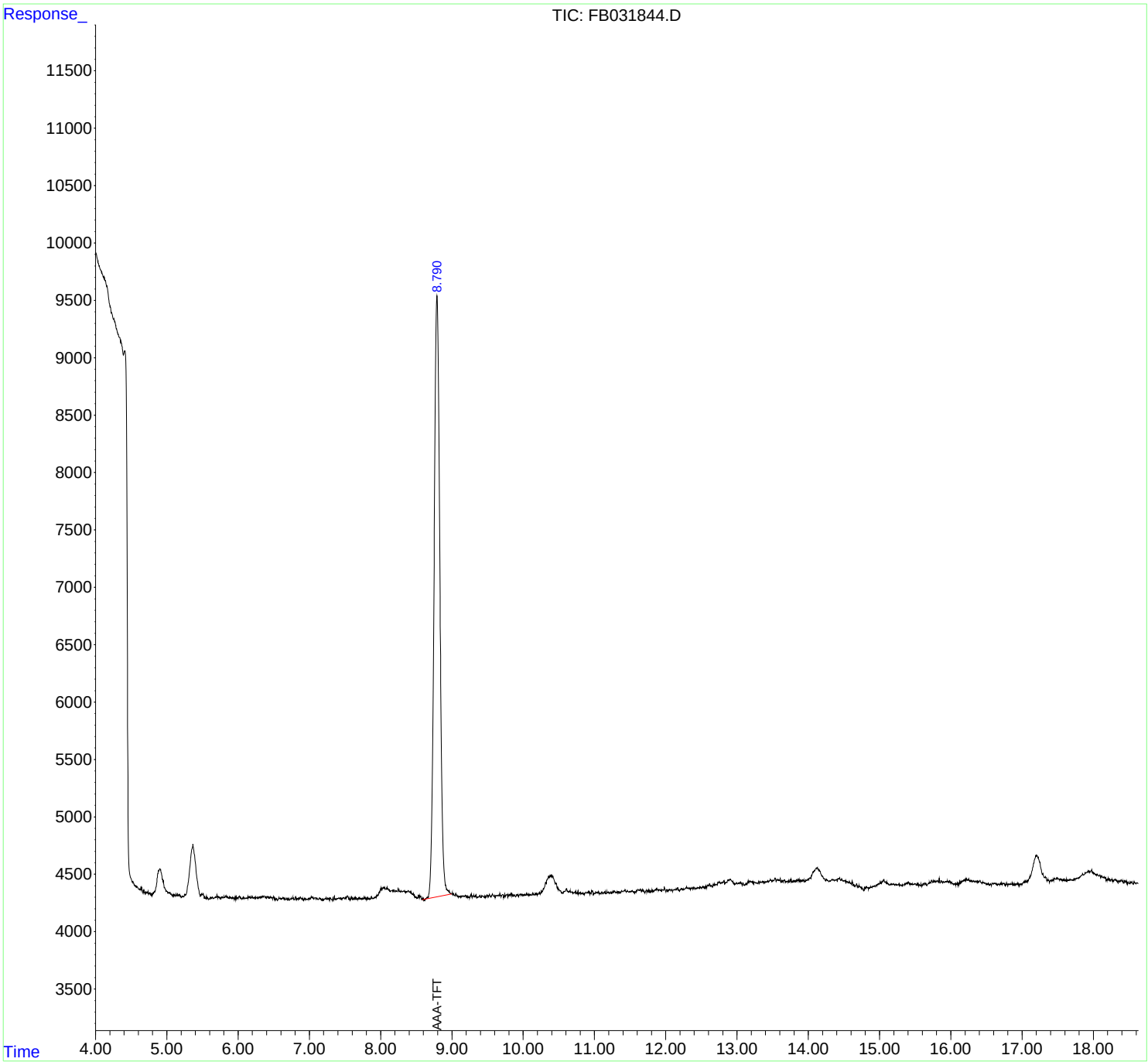
(f)=RT Delta > 1/2 Window (m)=manual int.

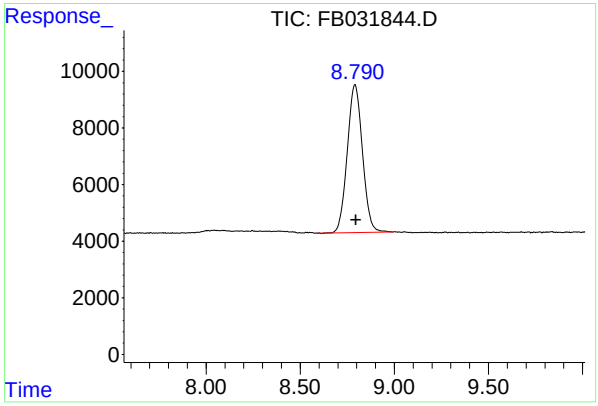
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB060225\
Data File : FB031844.D
Signal(s) : FID2B.CH
Acq On : 2 Jun 2025 16:06
Operator : YP/AJ
Sample : Q2150-05
Misc : 4.00G/5.00 ML DI WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-47

Integration File: Calibration.e
Quant Time: Jun 03 05:27:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB053025.M
Quant Title :
QLast Update : Fri May 30 15:30:47 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 g/ml
Signal Phase : RTX-502.2
Signal Info : 60mx0.53mmx3.00um





#5 AAA-TFT

R.T.:	8.792 min
Delta R.T.:	-0.006 mi
Response:	293333
Conc:	24.04 ng/m

Instrument :
FID_B
ClientSampleId :
TP-47

6

A B C D E F G H I

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB060225\
Data File : FB031844.D
Signal(s) : FID2B.CH
Acq On : 2 Jun 2025 16:06
Sample : Q2150-05
Misc : 4.00G/5.00 ML DI WATER
ALS Vial : 11 Sample Multiplier: 1

Integration File: SAMPLE.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB053025.M
Title :

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.623	4.604	4.631	BV	10	46	0.02%	0.007%
2	4.640	4.631	4.671	VV	31	335	0.11%	0.052%
3	4.678	4.671	4.704	PV	21	102	0.03%	0.016%
4	4.711	4.704	4.721	VV	13	96	0.03%	0.015%
5	4.738	4.721	4.787	VV	24	487	0.16%	0.076%
6	5.046	5.041	5.080	VV	43	610	0.20%	0.096%
7	5.113	5.080	5.122	VV	21	415	0.14%	0.065%
8	5.132	5.122	5.142	VV	30	237	0.08%	0.037%
9	5.152	5.142	5.169	VV	33	325	0.11%	0.051%
10	5.177	5.169	5.206	VV	29	341	0.11%	0.053%
11	5.231	5.206	5.239	VV	16	203	0.07%	0.032%
12	5.251	5.239	5.260	VV	34	289	0.10%	0.045%
13	5.491	5.470	5.506	VV	47	798	0.26%	0.125%
14	5.511	5.506	5.549	VV	46	579	0.19%	0.091%
15	5.558	5.549	5.585	VV	26	254	0.08%	0.040%
16	5.595	5.585	5.602	PV	8	59	0.02%	0.009%
17	5.615	5.602	5.627	VV	21	218	0.07%	0.034%
18	5.640	5.627	5.664	VV	24	325	0.11%	0.051%
19	5.684	5.664	5.692	VV	24	323	0.11%	0.051%
20	5.706	5.692	5.715	VV	40	376	0.12%	0.059%
21	5.722	5.715	5.731	VV	31	235	0.08%	0.037%
22	5.737	5.731	5.758	VV	24	251	0.08%	0.039%
23	5.784	5.758	5.796	VV	25	411	0.14%	0.064%
24	5.839	5.796	5.872	VV	34	1016	0.34%	0.159%
25	5.889	5.872	5.916	VV	27	479	0.16%	0.075%
26	5.927	5.916	5.954	VV	24	358	0.12%	0.056%
27	5.975	5.954	6.054	VV	31	1210	0.40%	0.189%
28	6.076	6.054	6.104	VV	28	456	0.15%	0.071%
29	6.167	6.104	6.180	VV	32	933	0.31%	0.146%
30	6.191	6.180	6.213	VV	30	443	0.15%	0.069%
31	6.228	6.213	6.241	VV	25	322	0.11%	0.050%
32	6.250	6.241	6.263	VV	25	263	0.09%	0.041%
33	6.299	6.263	6.307	VV	31	610	0.20%	0.095%
34	6.320	6.307	6.326	VV	30	283	0.09%	0.044%
35	6.369	6.326	6.399	VV	38	1274	0.42%	0.199%
36	6.408	6.399	6.419	VV	33	342	0.11%	0.053%

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37	6.426	6.419	6.443	VV	29	335	0.11%	0.052%
38	6.455	6.443	6.464	VV	33	328	0.11%	0.051%
39	6.476	6.464	6.486	VV	27	294	0.10%	0.046%
40	6.498	6.486	6.513	VV	31	342	0.11%	0.054%
41	6.522	6.513	6.532	VV	22	159	0.05%	0.025%
42	6.543	6.532	6.555	VV	16	125	0.04%	0.020%
43	6.575	6.555	6.602	PV	26	402	0.13%	0.063%
44	6.633	6.602	6.680	VV	24	686	0.23%	0.107%
45	6.686	6.680	6.695	VV	23	114	0.04%	0.018%
46	6.712	6.695	6.722	VV	20	169	0.06%	0.027%
47	6.734	6.722	6.742	VV	15	112	0.04%	0.018%
48	6.769	6.742	6.787	VV	27	458	0.15%	0.072%
49	6.805	6.787	6.817	VV	30	296	0.10%	0.046%
50	6.827	6.817	6.842	VV	17	190	0.06%	0.030%
51	6.856	6.842	6.865	VV	26	246	0.08%	0.039%
52	6.877	6.865	6.917	VV	30	484	0.16%	0.076%
53	6.947	6.917	6.957	VV	19	302	0.10%	0.047%
54	6.965	6.957	6.977	VV	12	131	0.04%	0.020%
55	7.001	6.977	7.011	VV	21	301	0.10%	0.047%
56	7.029	7.011	7.063	VV	33	719	0.24%	0.113%
57	7.082	7.063	7.096	VV	25	394	0.13%	0.062%
58	7.109	7.096	7.129	VV	22	297	0.10%	0.046%
59	7.145	7.129	7.173	VV	25	394	0.13%	0.062%
60	7.234	7.173	7.248	VV	27	484	0.16%	0.076%
61	7.258	7.248	7.284	VV	22	318	0.11%	0.050%
62	7.294	7.284	7.324	VV	21	303	0.10%	0.047%
63	7.353	7.324	7.365	VV	39	408	0.13%	0.064%
64	7.423	7.365	7.435	VV	24	677	0.22%	0.106%
65	7.442	7.435	7.457	VV	24	226	0.07%	0.035%
66	7.486	7.457	7.498	VV	27	493	0.16%	0.077%
67	7.537	7.498	7.572	VV	42	1073	0.35%	0.168%
68	7.598	7.572	7.611	VV	30	385	0.13%	0.060%
69	7.622	7.611	7.627	VV	19	113	0.04%	0.018%
70	7.648	7.627	7.677	VV	27	535	0.18%	0.084%
71	7.707	7.677	7.716	VV	30	413	0.14%	0.065%
72	7.736	7.716	7.756	VV	22	390	0.13%	0.061%
73	7.770	7.756	7.857	VV	30	1031	0.34%	0.161%
74	7.874	7.857	7.894	VV	30	466	0.15%	0.073%
75	8.044	7.894	8.075	VV	118	7633	2.52%	1.195%
76	8.090	8.075	8.137	VV	113	3650	1.21%	0.571%
77	8.186	8.137	8.233	VV	89	4905	1.62%	0.768%
78	8.247	8.233	8.281	VV	105	2466	0.82%	0.386%
79	8.288	8.281	8.306	VV	89	1216	0.40%	0.190%
80	8.319	8.306	8.368	VV	85	2940	0.97%	0.460%
81	8.388	8.368	8.514	VV	89	5119	1.69%	0.802%
82	8.533	8.514	8.587	VV	40	1319	0.44%	0.206%
83	8.597	8.587	8.613	VV	14	197	0.07%	0.031%
84	8.791	8.613	9.043	PV	5266	302473	100.00%	47.359%
85	9.055	9.043	9.097	VV	58	1248	0.41%	0.195%
86	9.144	9.097	9.252	VV	36	2710	0.90%	0.424%
87	9.270	9.252	9.286	VV	39	660	0.22%	0.103%
88	9.340	9.286	9.356	VV	48	1235	0.41%	0.193%
89	9.391	9.356	9.414	VV	35	821	0.27%	0.129%

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90	9.427	9.414	9.472	VV	31	869	0.29%	0.136%
91	9.493	9.472	9.512	VV	38	681	0.23%	0.107%
92	9.528	9.512	9.553	VV	42	725	0.24%	0.114%
93	9.569	9.553	9.608	VV	43	1006	0.33%	0.158%
94	9.676	9.608	9.692	VV	49	1555	0.51%	0.244%
95	9.713	9.692	9.736	VV	38	776	0.26%	0.122%
96	9.745	9.736	9.787	VV	41	913	0.30%	0.143%
97	9.835	9.787	9.895	VV	51	2026	0.67%	0.317%
98	9.916	9.895	9.938	VV	33	689	0.23%	0.108%
99	9.959	9.938	9.995	VV	38	1105	0.37%	0.173%
100	10.015	9.995	10.032	VV	34	688	0.23%	0.108%
101	10.056	10.032	10.070	VV	39	738	0.24%	0.116%
102	10.085	10.070	10.119	VV	38	933	0.31%	0.146%
103	10.137	10.119	10.154	VV	39	693	0.23%	0.109%
104	10.398	10.154	10.552	VV	202	23816	7.87%	3.729%
105	10.608	10.552	10.635	VV	77	2741	0.91%	0.429%
106	10.658	10.635	10.705	VV	59	1955	0.65%	0.306%
107	10.738	10.705	10.761	VV	56	1400	0.46%	0.219%
108	10.770	10.761	10.786	VV	56	614	0.20%	0.096%
109	10.796	10.786	10.850	VV	38	1283	0.42%	0.201%
110	10.881	10.850	10.894	VV	44	908	0.30%	0.142%
111	10.918	10.894	10.939	VV	43	1059	0.35%	0.166%
112	10.969	10.939	11.014	VV	54	1617	0.53%	0.253%
113	11.044	11.014	11.088	VV	42	1578	0.52%	0.247%
114	11.106	11.088	11.125	VV	37	718	0.24%	0.112%
115	11.140	11.125	11.162	VV	39	763	0.25%	0.119%
116	11.194	11.162	11.212	VV	39	1039	0.34%	0.163%
117	11.226	11.212	11.248	VV	40	681	0.22%	0.107%
118	11.283	11.248	11.301	VV	46	1224	0.40%	0.192%
119	11.319	11.301	11.370	VV	38	1452	0.48%	0.227%
120	11.384	11.370	11.400	VV	48	728	0.24%	0.114%
121	11.431	11.400	11.449	VV	58	1333	0.44%	0.209%
122	11.462	11.449	11.483	VV	48	826	0.27%	0.129%
123	11.530	11.483	11.563	VV	45	1799	0.59%	0.282%
124	11.612	11.563	11.706	VV	58	3733	1.23%	0.585%
125	11.753	11.706	11.789	VV	48	1913	0.63%	0.300%
126	11.874	11.789	11.897	VV	60	2895	0.96%	0.453%
127	11.910	11.897	11.944	VV	52	1271	0.42%	0.199%
128	11.984	11.944	12.032	VV	71	2493	0.82%	0.390%
129	12.061	12.032	12.076	VV	51	1160	0.38%	0.182%
130	12.086	12.076	12.099	VV	50	597	0.20%	0.094%
131	12.128	12.099	12.140	VV	50	1112	0.37%	0.174%
132	12.168	12.140	12.193	VV	65	1577	0.52%	0.247%
133	12.220	12.193	12.258	VV	57	1863	0.62%	0.292%
134	12.292	12.258	12.348	VV	71	3050	1.01%	0.477%
135	12.370	12.348	12.431	VV	64	2765	0.91%	0.433%
136	12.485	12.431	12.503	VV	67	2524	0.83%	0.395%
137	12.524	12.503	12.548	VV	74	1679	0.56%	0.263%
138	12.615	12.548	12.659	VV	92	4854	1.60%	0.760%
139	12.753	12.659	12.776	VV	107	6145	2.03%	0.962%
140	12.817	12.776	12.832	VV	111	3401	1.12%	0.532%
141	12.906	12.832	12.973	VV	128	9083	3.00%	1.422%

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142	13.047	12.973	13.104	VV	101	6860	2.27%	1.074%
143	13.184	13.104	13.238	VV	107	7424	2.45%	1.162%
144	13.250	13.238	13.294	VV	96	3016	1.00%	0.472%
145	13.357	13.294	13.394	VV	104	5698	1.88%	0.892%
146	13.473	13.394	13.491	VV	114	5976	1.98%	0.936%
147	13.534	13.491	13.619	VV	126	8414	2.78%	1.317%
148	13.665	13.619	13.683	VV	110	3887	1.28%	0.609%
149	13.709	13.683	13.731	VV	100	2712	0.90%	0.425%
150	13.748	13.731	13.822	VV	113	5448	1.80%	0.853%
151	13.833	13.822	13.881	VV	108	3575	1.18%	0.560%
152	13.893	13.881	13.953	VV	108	4374	1.45%	0.685%
153	14.125	13.953	14.290	VV	207	28372	9.38%	4.442%
154	14.339	14.290	14.368	VV	108	4550	1.50%	0.712%
155	14.437	14.368	14.465	VV	115	6024	1.99%	0.943%
156	14.471	14.465	14.605	VV	107	6975	2.31%	1.092%
157	14.614	14.605	14.660	VV	87	1905	0.63%	0.298%
158	14.677	14.660	14.699	VV	61	1089	0.36%	0.171%
159	14.712	14.699	14.776	VV	49	1376	0.46%	0.215%
160	14.818	14.776	14.845	PV	37	971	0.32%	0.152%
161	15.062	14.845	15.161	VV	92	9508	3.14%	1.489%
162	15.172	15.161	15.217	VV	54	1571	0.52%	0.246%
163	15.228	15.217	15.253	VV	48	937	0.31%	0.147%
164	15.272	15.253	15.327	VV	46	1733	0.57%	0.271%
165	15.407	15.327	15.471	VV	61	3913	1.29%	0.613%
166	15.500	15.471	15.515	VV	45	1079	0.36%	0.169%
167	15.529	15.515	15.601	VV	50	1714	0.57%	0.268%
168	15.615	15.601	15.665	VV	45	1448	0.48%	0.227%
169	15.733	15.665	15.762	VV	70	2853	0.94%	0.447%
170	15.837	15.762	15.851	VV	85	3151	1.04%	0.493%
171	15.865	15.851	15.888	VV	63	1193	0.39%	0.187%
172	15.951	15.888	15.971	VV	55	2578	0.85%	0.404%
173	15.985	15.971	16.083	VV	58	2501	0.83%	0.392%
174	16.092	16.083	16.108	VV	42	433	0.14%	0.068%
175	16.219	16.108	16.277	VV	76	5282	1.75%	0.827%
176	16.295	16.277	16.394	VV	55	3226	1.07%	0.505%
177	16.409	16.394	16.439	VV	52	1043	0.34%	0.163%
178	16.450	16.439	16.542	VV	32	1486	0.49%	0.233%
179	16.607	16.542	16.656	VV	24	1106	0.37%	0.173%
180	16.714	16.656	16.767	VV	23	876	0.29%	0.137%
181	16.787	16.767	16.853	VV	16	438	0.14%	0.069%
182	16.868	16.853	16.884	VV	19	165	0.05%	0.026%
183	16.946	16.884	16.981	PV	15	273	0.09%	0.043%

Sum of corrected areas: 638682

FB053025.M Tue Jun 03 05:59:19 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB060225\
Data File : FB031847.D
Signal(s) : FID2B.CH
Acq On : 2 Jun 2025 17:55
Operator : YP/AJ
Sample : Q2150-06
Misc : 4.96G/5.00 ML DI WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-50

Integration File: Calibration.e
Quant Time: Jun 03 05:28:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB053025.M
Quant Title :
QLast Update : Fri May 30 15:30:47 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 g/ml
Signal Phase : RTX-502.2
Signal Info : 60mx0.53mmx3.00um

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
5) s	AAA-TFT	8.793	237668	19.477 ng/ml
	Target Compounds			

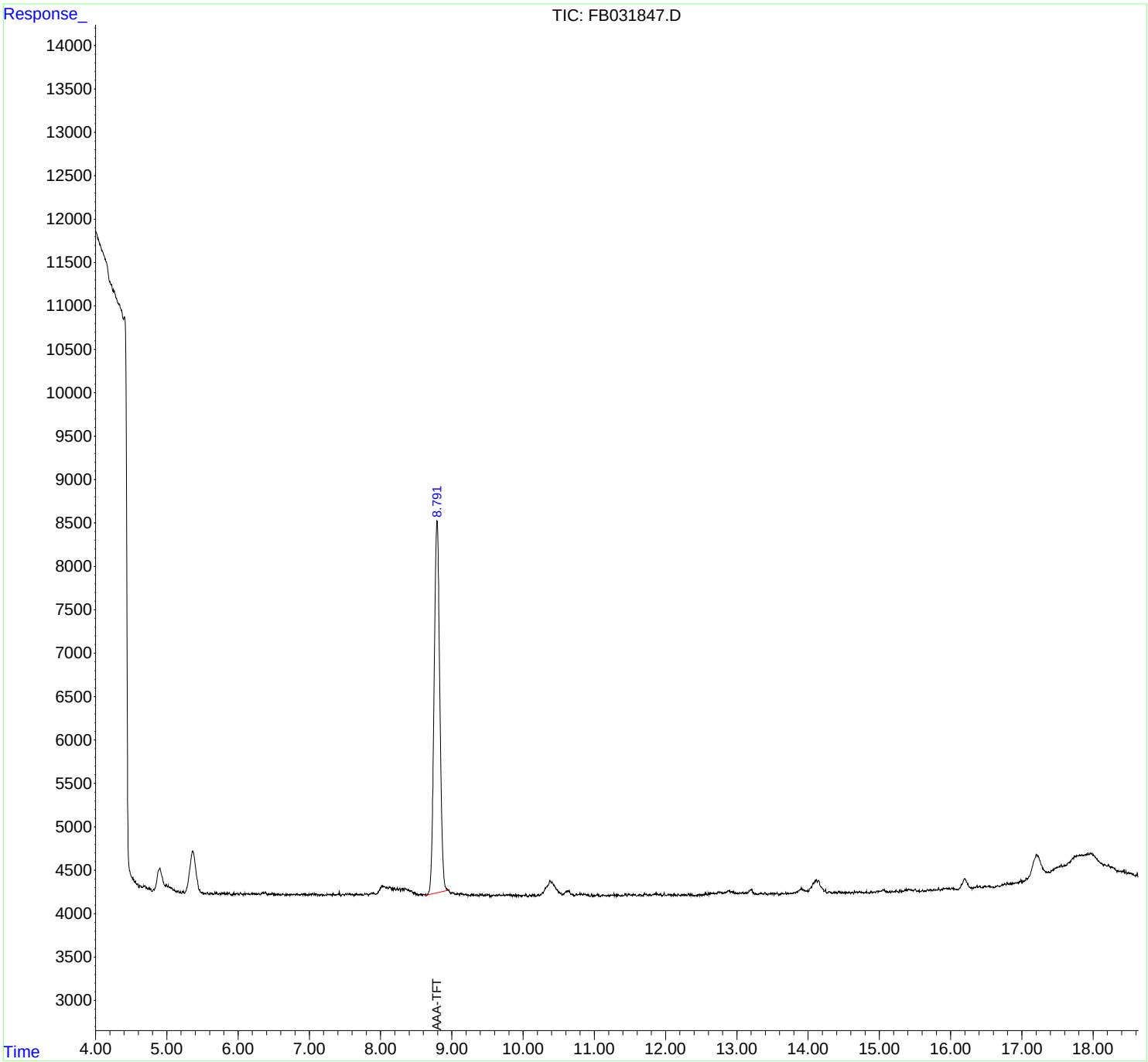
(f)=RT Delta > 1/2 Window (m)=manual int.

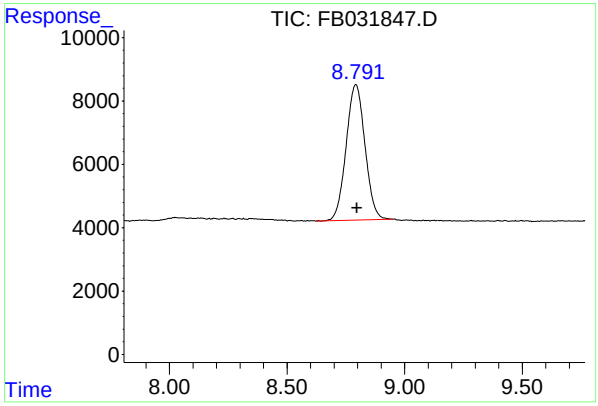
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB060225\
Data File : FB031847.D
Signal(s) : FID2B.CH
Acq On : 2 Jun 2025 17:55
Operator : YP/AJ
Sample : Q2150-06
Misc : 4.96G/5.00 ML DI WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-50

Integration File: Calibration.e
Quant Time: Jun 03 05:28:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB053025.M
Quant Title :
QLast Update : Fri May 30 15:30:47 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 g/ml
Signal Phase : RTX-502.2
Signal Info : 60mx0.53mmx3.00um





#5 AAA-TFT

R.T.: 8.793 min
Delta R.T.: -0.005 mi
Response: 237668
Conc: 19.48 ng/m

Instrument :
FID_B
ClientSampleId :
TP-50

6

A B C D E F G H I

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB060225\
Data File : FB031847.D
Signal(s) : FID2B.CH
Acq On : 2 Jun 2025 17:55
Sample : Q2150-06
Misc : 4.96G/5.00 ML DI WATER
ALS Vial : 18 Sample Multiplier: 1

Integration File: SAMPLE.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB053025.M
Title :

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.620	4.604	4.651	BV	15	299	0.12%	0.069%
2	4.659	4.651	4.665	VV	13	94	0.04%	0.022%
3	4.692	4.665	4.734	VV	40	959	0.39%	0.221%
4	4.747	4.734	4.795	VV	30	585	0.24%	0.135%
5	4.816	4.795	4.824	PV	29	258	0.10%	0.059%
6	4.994	4.988	5.010	VV	94	1074	0.44%	0.248%
7	5.021	5.010	5.041	VV	83	1255	0.51%	0.289%
8	5.048	5.041	5.135	VV	64	2281	0.93%	0.526%
9	5.143	5.135	5.152	VV	28	200	0.08%	0.046%
10	5.161	5.152	5.179	VV	28	236	0.10%	0.054%
11	5.189	5.179	5.208	VV	22	145	0.06%	0.033%
12	5.221	5.208	5.249	PV	24	322	0.13%	0.074%
13	5.494	5.487	5.511	VV	23	227	0.09%	0.052%
14	5.520	5.511	5.529	PV	16	91	0.04%	0.021%
15	5.537	5.529	5.551	VV	14	135	0.05%	0.031%
16	5.570	5.551	5.582	VV	25	266	0.11%	0.061%
17	5.590	5.582	5.600	VV	11	71	0.03%	0.016%
18	5.622	5.600	5.662	PV	17	372	0.15%	0.086%
19	5.675	5.662	5.691	VV	28	253	0.10%	0.058%
20	5.702	5.691	5.720	VV	22	247	0.10%	0.057%
21	5.743	5.720	5.753	VV	20	226	0.09%	0.052%
22	5.788	5.753	5.798	VV	24	404	0.16%	0.093%
23	5.809	5.798	5.818	VV	29	199	0.08%	0.046%
24	5.824	5.818	5.845	VV	16	231	0.09%	0.053%
25	5.851	5.845	5.867	VV	32	265	0.11%	0.061%
26	5.879	5.867	5.918	VV	29	335	0.14%	0.077%
27	5.945	5.918	6.014	VV	31	883	0.36%	0.204%
28	6.036	6.014	6.070	VV	28	544	0.22%	0.125%
29	6.080	6.070	6.090	PV	23	178	0.07%	0.041%
30	6.098	6.090	6.105	VV	19	149	0.06%	0.034%
31	6.121	6.105	6.131	VV	21	277	0.11%	0.064%
32	6.140	6.131	6.168	VV	24	355	0.14%	0.082%
33	6.189	6.168	6.197	VV	23	290	0.12%	0.067%
34	6.202	6.197	6.209	VV	27	140	0.06%	0.032%
35	6.221	6.209	6.233	VV	26	282	0.11%	0.065%
36	6.241	6.233	6.255	VV	25	221	0.09%	0.051%

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37	6.267	6.255	6.282	VV	21	258	0.10%	0.059%
38	6.293	6.282	6.312	VV	30	318	0.13%	0.073%
39	6.354	6.312	6.365	VV	41	831	0.34%	0.192%
40	6.385	6.365	6.410	VV	45	762	0.31%	0.176%
41	6.480	6.410	6.527	VV	27	1197	0.49%	0.276%
42	6.549	6.527	6.557	VV	24	237	0.10%	0.055%
43	6.568	6.557	6.588	VV	23	241	0.10%	0.056%
44	6.597	6.588	6.607	VV	15	115	0.05%	0.027%
45	6.626	6.607	6.633	VV	24	253	0.10%	0.058%
46	6.644	6.633	6.658	VV	20	218	0.09%	0.050%
47	6.670	6.658	6.685	VV	18	174	0.07%	0.040%
48	6.749	6.685	6.764	VV	22	681	0.28%	0.157%
49	6.774	6.764	6.811	VV	21	449	0.18%	0.104%
50	6.818	6.811	6.870	VV	26	575	0.23%	0.133%
51	6.891	6.870	6.901	VV	25	314	0.13%	0.072%
52	6.917	6.901	6.946	VV	27	563	0.23%	0.130%
53	6.953	6.946	6.961	VV	27	141	0.06%	0.032%
54	6.972	6.961	6.982	VV	18	183	0.07%	0.042%
55	6.997	6.982	7.007	VV	23	242	0.10%	0.056%
56	7.051	7.007	7.065	VV	35	772	0.31%	0.178%
57	7.074	7.065	7.117	VV	30	647	0.26%	0.149%
58	7.128	7.117	7.141	VV	24	223	0.09%	0.051%
59	7.176	7.141	7.187	VV	25	420	0.17%	0.097%
60	7.199	7.187	7.215	PV	20	194	0.08%	0.045%
61	7.225	7.215	7.234	VV	18	149	0.06%	0.034%
62	7.274	7.234	7.282	VV	26	578	0.23%	0.133%
63	7.290	7.282	7.318	VV	23	409	0.17%	0.094%
64	7.326	7.318	7.333	VV	24	183	0.07%	0.042%
65	7.341	7.333	7.360	VV	25	315	0.13%	0.073%
66	7.368	7.360	7.376	VV	16	148	0.06%	0.034%
67	7.405	7.376	7.413	VV	28	458	0.19%	0.106%
68	7.423	7.413	7.446	VV	54	518	0.21%	0.120%
69	7.474	7.446	7.495	VV	25	550	0.22%	0.127%
70	7.516	7.495	7.527	VV	35	465	0.19%	0.107%
71	7.539	7.527	7.555	VV	29	395	0.16%	0.091%
72	7.564	7.555	7.589	VV	36	519	0.21%	0.120%
73	7.602	7.589	7.624	VV	28	431	0.18%	0.099%
74	7.663	7.624	7.672	VV	37	654	0.27%	0.151%
75	7.677	7.672	7.687	VV	23	185	0.08%	0.043%
76	7.698	7.687	7.707	VV	29	257	0.10%	0.059%
77	7.725	7.707	7.736	VV	27	353	0.14%	0.081%
78	7.744	7.736	7.761	VV	25	268	0.11%	0.062%
79	7.778	7.761	7.791	VV	36	433	0.18%	0.100%
80	7.807	7.791	7.833	VV	34	608	0.25%	0.140%
81	7.875	7.833	7.935	VV	41	1897	0.77%	0.438%
82	8.027	7.935	8.037	VV	128	4565	1.85%	1.053%
83	8.042	8.037	8.078	VV	116	2669	1.08%	0.616%
84	8.091	8.078	8.110	VV	108	1934	0.79%	0.446%
85	8.123	8.110	8.160	VV	110	2931	1.19%	0.676%
86	8.170	8.160	8.178	VV	96	879	0.36%	0.203%
87	8.191	8.178	8.212	VV	99	1794	0.73%	0.414%
88	8.234	8.212	8.253	VV	101	2035	0.83%	0.469%
89	8.270	8.253	8.282	VV	95	1445	0.59%	0.333%

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90	8.297	8.282	8.311	VV	94	1424	0.58%	0.329%
91	8.316	8.311	8.334	VV	89	1044	0.42%	0.241%
92	8.342	8.334	8.422	VV	96	4021	1.63%	0.928%
93	8.433	8.422	8.462	VV	67	1329	0.54%	0.307%
94	8.479	8.462	8.503	VV	48	956	0.39%	0.221%
95	8.512	8.503	8.534	VV	34	450	0.18%	0.104%
96	8.562	8.534	8.571	VV	34	500	0.20%	0.115%
97	8.589	8.571	8.610	VV	30	490	0.20%	0.113%
98	8.615	8.610	8.624	VV	24	178	0.07%	0.041%
99	8.793	8.624	8.947	VV	4329	246294	100.00%	56.820%
100	8.957	8.947	8.991	VV	82	1508	0.61%	0.348%
101	9.008	8.991	9.021	VV	50	794	0.32%	0.183%
102	9.028	9.021	9.055	VV	44	714	0.29%	0.165%
103	9.064	9.055	9.071	VV	35	281	0.11%	0.065%
104	9.080	9.071	9.109	VV	42	706	0.29%	0.163%
105	9.126	9.109	9.180	VV	41	1263	0.51%	0.291%
106	9.191	9.180	9.231	VV	31	669	0.27%	0.154%
107	9.237	9.231	9.269	VV	20	385	0.16%	0.089%
108	9.282	9.269	9.304	VV	35	444	0.18%	0.102%
109	9.313	9.304	9.341	VV	23	397	0.16%	0.092%
110	9.353	9.341	9.382	VV	29	443	0.18%	0.102%
111	9.397	9.382	9.419	VV	36	515	0.21%	0.119%
112	9.427	9.419	9.444	VV	38	324	0.13%	0.075%
113	9.472	9.444	9.485	VV	30	410	0.17%	0.095%
114	9.496	9.485	9.511	VV	34	346	0.14%	0.080%
115	9.522	9.511	9.532	VV	26	259	0.11%	0.060%
116	9.536	9.532	9.544	VV	18	65	0.03%	0.015%
117	9.583	9.544	9.614	VV	18	506	0.21%	0.117%
118	9.671	9.614	9.687	VV	27	820	0.33%	0.189%
119	9.701	9.687	9.716	VV	22	299	0.12%	0.069%
120	9.725	9.716	9.745	VV	25	301	0.12%	0.069%
121	9.799	9.745	9.814	VV	28	840	0.34%	0.194%
122	9.820	9.814	9.854	VV	30	441	0.18%	0.102%
123	9.868	9.854	9.889	VV	23	340	0.14%	0.079%
124	9.899	9.889	9.919	VV	32	272	0.11%	0.063%
125	9.930	9.919	9.939	VV	28	221	0.09%	0.051%
126	9.952	9.939	9.981	VV	21	358	0.15%	0.083%
127	10.002	9.981	10.021	VV	20	359	0.15%	0.083%
128	10.039	10.021	10.061	VV	35	443	0.18%	0.102%
129	10.093	10.061	10.119	PV	26	386	0.16%	0.089%
130	10.141	10.119	10.154	VV	25	321	0.13%	0.074%
131	10.163	10.154	10.181	VV	29	179	0.07%	0.041%
132	10.216	10.181	10.235	VV	29	520	0.21%	0.120%
133	10.273	10.235	10.281	VV	49	802	0.33%	0.185%
134	10.379	10.281	10.399	VV	186	8430	3.42%	1.945%
135	10.408	10.399	10.550	VV	169	7660	3.11%	1.767%
136	10.616	10.550	10.687	VV	63	3331	1.35%	0.768%
137	10.694	10.687	10.732	VV	25	339	0.14%	0.078%
138	10.746	10.732	10.765	VV	25	318	0.13%	0.073%
139	10.801	10.765	10.809	VV	35	516	0.21%	0.119%
140	10.818	10.809	10.841	VV	28	342	0.14%	0.079%
141	10.850	10.841	10.917	VB	30	597	0.24%	0.138%

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142	10.963	10.917	10.989	BV	27	151	0.06%	0.035%
143	10.998	10.989	11.009	PV	13	86	0.03%	0.020%
144	11.040	11.009	11.089	PV	25	504	0.20%	0.116%
145	11.101	11.089	11.113	PV	14	162	0.07%	0.037%
146	11.125	11.113	11.145	VV	19	293	0.12%	0.068%
147	11.153	11.145	11.171	VV	17	163	0.07%	0.038%
148	11.182	11.171	11.198	VV	17	187	0.08%	0.043%
149	11.205	11.198	11.214	VV	17	88	0.04%	0.020%
150	11.277	11.214	11.298	PV	32	754	0.31%	0.174%
151	11.303	11.298	11.326	VV	18	172	0.07%	0.040%
152	11.335	11.326	11.378	VV	25	358	0.15%	0.083%
153	11.390	11.378	11.400	VV	15	132	0.05%	0.030%
154	11.430	11.400	11.437	VV	30	351	0.14%	0.081%
155	11.444	11.437	11.461	VV	24	255	0.10%	0.059%
156	11.495	11.461	11.517	VV	29	633	0.26%	0.146%
157	11.529	11.517	11.537	VV	18	180	0.07%	0.041%
158	11.549	11.537	11.557	VV	29	227	0.09%	0.052%
159	11.564	11.557	11.596	VV	22	309	0.13%	0.071%
160	11.616	11.596	11.626	VV	16	190	0.08%	0.044%
161	11.641	11.626	11.680	VV	22	436	0.18%	0.101%
162	11.704	11.680	11.718	VV	37	423	0.17%	0.098%
163	11.728	11.718	11.746	VV	28	325	0.13%	0.075%
164	11.787	11.746	11.798	VV	20	447	0.18%	0.103%
165	11.837	11.798	11.849	VV	29	557	0.23%	0.128%
166	11.865	11.849	11.902	VV	35	752	0.31%	0.173%
167	11.910	11.902	11.917	VV	23	160	0.07%	0.037%
168	11.926	11.917	11.936	VV	26	224	0.09%	0.052%
169	11.940	11.936	11.962	VV	16	110	0.04%	0.025%
170	11.981	11.962	11.997	VV	36	391	0.16%	0.090%
171	12.008	11.997	12.017	VV	12	115	0.05%	0.026%
172	12.038	12.017	12.046	VV	25	235	0.10%	0.054%
173	12.074	12.046	12.107	VV	23	488	0.20%	0.113%
174	12.121	12.107	12.136	VV	27	270	0.11%	0.062%
175	12.147	12.136	12.161	VV	9	124	0.05%	0.029%
176	12.176	12.161	12.213	VV	24	380	0.15%	0.088%
177	12.231	12.213	12.244	VV	17	219	0.09%	0.051%
178	12.253	12.244	12.259	VV	20	124	0.05%	0.028%
179	12.264	12.259	12.275	VV	18	110	0.04%	0.025%
180	12.281	12.275	12.300	VV	18	170	0.07%	0.039%
181	12.319	12.300	12.337	VV	27	316	0.13%	0.073%
182	12.345	12.337	12.361	VV	25	176	0.07%	0.041%
183	12.370	12.361	12.406	VV	19	230	0.09%	0.053%
184	12.427	12.406	12.436	PV	11	114	0.05%	0.026%
185	12.443	12.436	12.447	PV	11	45	0.02%	0.010%
186	12.556	12.447	12.584	VV	37	1220	0.50%	0.281%
187	12.597	12.584	12.625	VV	32	490	0.20%	0.113%
188	12.635	12.625	12.645	VV	35	315	0.13%	0.073%
189	12.659	12.645	12.668	VV	32	386	0.16%	0.089%
190	12.677	12.668	12.691	VV	34	387	0.16%	0.089%
191	12.747	12.691	12.756	VV	48	1271	0.52%	0.293%
192	12.767	12.756	12.812	VV	45	1192	0.48%	0.275%
193	12.900	12.812	12.971	VV	62	4020	1.63%	0.927%
194	12.977	12.971	12.992	VV	42	383	0.16%	0.088%

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195	13.006	12.992	13.029	VV	32	559	0.23%	0.129%
196	13.039	13.029	13.060	VV	35	526	0.21%	0.121%
197	13.084	13.060	13.099	VV	37	700	0.28%	0.162%
198	13.144	13.099	13.152	VV	35	863	0.35%	0.199%
199	13.193	13.152	13.201	VV	70	1537	0.62%	0.355%
200	13.210	13.201	13.252	VV	74	1228	0.50%	0.283%
201	13.260	13.252	13.293	VV	26	431	0.17%	0.099%
202	13.344	13.293	13.363	VV	25	811	0.33%	0.187%
203	13.394	13.363	13.409	VV	35	606	0.25%	0.140%
204	13.416	13.409	13.436	VV	21	223	0.09%	0.051%
205	13.476	13.436	13.494	VV	29	608	0.25%	0.140%
206	13.512	13.494	13.522	VV	27	365	0.15%	0.084%
207	13.537	13.522	13.549	VV	23	329	0.13%	0.076%
208	13.565	13.549	13.593	VV	34	463	0.19%	0.107%
209	13.604	13.593	13.608	PV	13	73	0.03%	0.017%
210	13.614	13.608	13.646	VV	19	380	0.15%	0.088%
211	13.653	13.646	13.666	VV	21	202	0.08%	0.047%
212	13.688	13.666	13.697	VV	31	350	0.14%	0.081%
213	13.707	13.697	13.742	VV	25	486	0.20%	0.112%
214	13.766	13.742	13.775	VV	23	377	0.15%	0.087%
215	13.808	13.775	13.819	VV	29	604	0.25%	0.139%
216	13.845	13.819	13.854	VV	42	652	0.26%	0.150%
217	13.903	13.854	13.965	VV	75	3660	1.49%	0.844%
218	13.974	13.965	13.979	VV	47	362	0.15%	0.083%
219	13.986	13.979	13.994	VV	47	380	0.15%	0.088%
220	14.116	13.994	14.131	VV	174	8833	3.59%	2.038%
221	14.143	14.131	14.223	VV	163	5681	2.31%	1.311%
222	14.242	14.223	14.266	VV	49	867	0.35%	0.200%
223	14.292	14.266	14.318	VV	33	731	0.30%	0.169%
224	14.326	14.318	14.335	VV	29	204	0.08%	0.047%
225	14.368	14.335	14.385	VV	27	497	0.20%	0.115%
226	14.391	14.385	14.415	VV	27	308	0.12%	0.071%
227	14.430	14.415	14.461	VV	31	600	0.24%	0.138%
228	14.489	14.461	14.505	VV	24	443	0.18%	0.102%
229	14.515	14.505	14.535	VV	24	294	0.12%	0.068%
230	14.543	14.535	14.554	VV	23	197	0.08%	0.046%
231	14.576	14.554	14.586	VV	21	314	0.13%	0.072%
232	14.591	14.586	14.600	VV	16	89	0.04%	0.020%
233	14.611	14.600	14.618	PV	19	143	0.06%	0.033%
234	14.627	14.618	14.638	VV	21	171	0.07%	0.039%
235	14.653	14.638	14.673	VV	27	379	0.15%	0.088%
236	14.683	14.673	14.697	VV	27	265	0.11%	0.061%
237	14.720	14.697	14.739	VV	28	475	0.19%	0.110%
238	14.818	14.739	14.828	VV	27	695	0.28%	0.160%
239	14.839	14.828	14.861	VV	11	155	0.06%	0.036%
240	14.887	14.861	14.900	VV	27	327	0.13%	0.076%
241	14.935	14.900	14.945	VV	20	407	0.17%	0.094%
242	14.963	14.945	14.984	VV	28	509	0.21%	0.117%
243	14.998	14.984	15.011	VV	25	344	0.14%	0.079%
244	15.052	15.011	15.087	VV	47	1415	0.57%	0.326%
245	15.095	15.087	15.124	VV	27	412	0.17%	0.095%
246	15.141	15.124	15.162	VV	21	335	0.14%	0.077%

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247	15.183	15.162	15.193	VV	25	294	0.12%	0.068%
248	15.235	15.193	15.274	VV	30	872	0.35%	0.201%
249	15.291	15.274	15.318	PV	37	481	0.20%	0.111%
250	15.328	15.318	15.337	VV	23	207	0.08%	0.048%
251	15.362	15.337	15.372	VV	37	502	0.20%	0.116%
252	15.380	15.372	15.393	VV	32	348	0.14%	0.080%
253	15.416	15.393	15.439	VV	40	891	0.36%	0.206%
254	15.447	15.439	15.471	VV	35	480	0.20%	0.111%
255	15.479	15.471	15.486	VV	24	186	0.08%	0.043%
256	15.503	15.486	15.526	VV	37	582	0.24%	0.134%
257	15.608	15.526	15.619	VV	22	624	0.25%	0.144%
258	15.634	15.619	15.657	PV	11	163	0.07%	0.038%
259	15.677	15.657	15.701	PV	20	393	0.16%	0.091%
260	15.715	15.701	15.751	VV	19	470	0.19%	0.109%
261	15.833	15.751	15.857	VV	40	984	0.40%	0.227%
262	15.900	15.857	15.959	VV	32	1318	0.54%	0.304%
263	15.981	15.959	15.999	VV	31	519	0.21%	0.120%
264	16.037	15.999	16.102	VV	30	901	0.37%	0.208%
265	16.198	16.102	16.313	PV	124	6681	2.71%	1.541%
266	16.370	16.313	16.389	VV	37	818	0.33%	0.189%
267	16.410	16.389	16.444	VV	25	597	0.24%	0.138%
268	16.482	16.444	16.506	VV	18	630	0.26%	0.145%
269	16.551	16.506	16.615	VV	26	871	0.35%	0.201%
270	16.662	16.615	16.689	PV	14	389	0.16%	0.090%
271	16.762	16.689	16.778	VV	27	688	0.28%	0.159%
272	16.795	16.778	16.825	VV	36	409	0.17%	0.094%
273	16.840	16.825	16.862	VV	22	218	0.09%	0.050%
274	16.875	16.862	16.891	PV	11	176	0.07%	0.041%
275	16.988	16.891	17.001	PBA	27	586	0.24%	0.135%

Sum of corrected areas: 433467

FB053025.M Tue Jun 03 05:59:55 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB060225\
Data File : FB031848.D
Signal(s) : FID2B.CH
Acq On : 2 Jun 2025 18:23
Operator : YP/AJ
Sample : Q2150-07
Misc : 5.90G/5.00 ML DI WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-51

Integration File: Calibration.e
Quant Time: Jun 03 05:28:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB053025.M
Quant Title :
QLast Update : Fri May 30 15:30:47 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 g/ml
Signal Phase : RTX-502.2
Signal Info : 60mx0.53mmx3.00um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
5) s AAA-TFT	8.792	222047	18.197 ng/ml
Target Compounds			

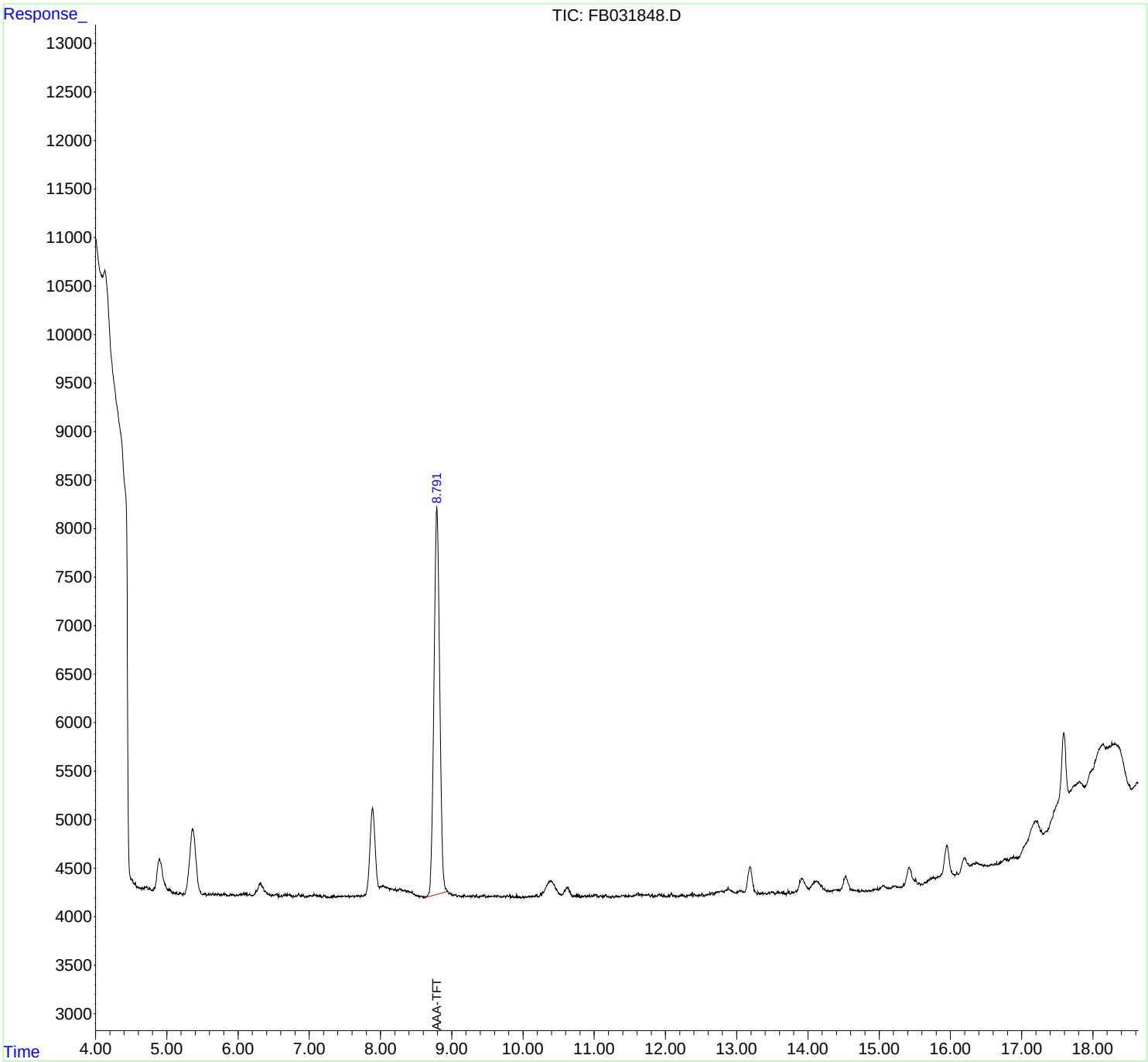
(f)=RT Delta > 1/2 Window (m)=manual int.

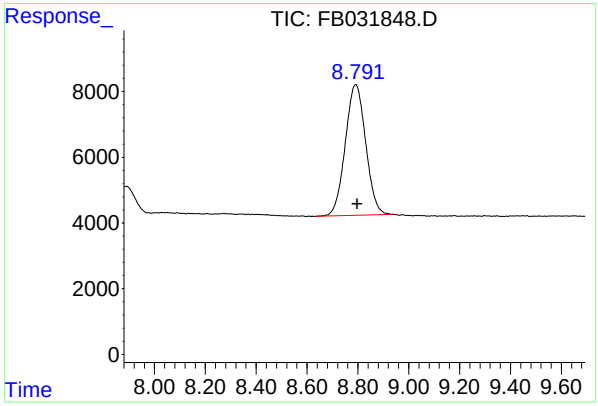
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB060225\
Data File : FB031848.D
Signal(s) : FID2B.CH
Acq On : 2 Jun 2025 18:23
Operator : YP/AJ
Sample : Q2150-07
Misc : 5.90G/5.00 ML DI WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-51

Integration File: Calibration.e
Quant Time: Jun 03 05:28:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB053025.M
Quant Title :
QLast Update : Fri May 30 15:30:47 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 g/ml
Signal Phase : RTX-502.2
Signal Info : 60mx0.53mmx3.00um





#5 AAA-TFT

R.T.:	8.792 min
Delta R.T.:	-0.005 mi
Response:	222047
Conc:	18.20 ng/m

Instrument :
FID_B
ClientSampleId :
TP-51

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB060225\
Data File : FB031848.D
Signal(s) : FID2B.CH
Acq On : 2 Jun 2025 18:23
Sample : Q2150-07
Misc : 5.90G/5.00 ML DI WATER
ALS Vial : 19 Sample Multiplier: 1

Integration File: SAMPLE.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB053025.M
Title :

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.653	4.604	4.679	BV	14	160	0.07%	0.030%
2	4.690	4.679	4.711	PV	31	399	0.17%	0.074%
3	4.722	4.711	4.740	VV	34	310	0.13%	0.058%
4	4.752	4.740	4.810	VV	26	278	0.12%	0.052%
5	4.825	4.810	4.832	PV	28	258	0.11%	0.048%
6	5.037	5.027	5.084	VV	44	951	0.41%	0.177%
7	5.094	5.084	5.113	VV	23	229	0.10%	0.042%
8	5.125	5.113	5.132	VV	18	158	0.07%	0.029%
9	5.140	5.132	5.165	VV	29	224	0.10%	0.042%
10	5.181	5.165	5.225	VV	26	534	0.23%	0.099%
11	5.236	5.225	5.251	PV	24	222	0.10%	0.041%
12	5.545	5.500	5.557	VV	26	613	0.27%	0.114%
13	5.586	5.557	5.597	VV	24	325	0.14%	0.060%
14	5.610	5.597	5.624	VV	27	309	0.13%	0.057%
15	5.648	5.624	5.664	VV	30	439	0.19%	0.082%
16	5.684	5.664	5.692	VV	25	303	0.13%	0.056%
17	5.700	5.692	5.709	VV	23	194	0.08%	0.036%
18	5.721	5.709	5.753	VV	31	505	0.22%	0.094%
19	5.767	5.753	5.780	VV	24	264	0.11%	0.049%
20	5.805	5.780	5.814	VV	28	397	0.17%	0.074%
21	5.825	5.814	5.865	VV	28	468	0.20%	0.087%
22	5.891	5.865	5.909	VV	23	371	0.16%	0.069%
23	5.918	5.909	5.958	VV	25	483	0.21%	0.090%
24	5.966	5.958	5.971	VV	13	82	0.04%	0.015%
25	5.983	5.971	6.007	VV	21	307	0.13%	0.057%
26	6.035	6.007	6.045	VV	32	493	0.21%	0.092%
27	6.078	6.045	6.093	VV	37	758	0.33%	0.141%
28	6.112	6.093	6.136	VV	39	739	0.32%	0.137%
29	6.167	6.136	6.196	VV	30	737	0.32%	0.137%
30	6.204	6.196	6.210	VV	18	129	0.06%	0.024%
31	6.318	6.210	6.469	VV	150	10282	4.46%	1.911%
32	6.478	6.469	6.494	VV	28	341	0.15%	0.063%
33	6.540	6.494	6.594	VV	38	1394	0.61%	0.259%
34	6.609	6.594	6.628	VV	26	326	0.14%	0.061%
35	6.640	6.628	6.650	VV	32	291	0.13%	0.054%
36	6.663	6.650	6.679	VV	33	486	0.21%	0.090%

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37	6.690	6.679	6.772	VV	39	1292	0.56%	0.240%
38	6.781	6.772	6.791	PV	22	139	0.06%	0.026%
39	6.812	6.791	6.822	VV	28	305	0.13%	0.057%
40	6.851	6.822	6.882	VV	43	889	0.39%	0.165%
41	6.910	6.882	6.941	VV	28	652	0.28%	0.121%
42	6.997	6.941	7.006	VV	20	579	0.25%	0.108%
43	7.018	7.006	7.042	VV	26	471	0.20%	0.088%
44	7.072	7.042	7.091	VV	38	809	0.35%	0.150%
45	7.102	7.091	7.131	VV	31	567	0.25%	0.105%
46	7.139	7.131	7.148	VV	27	209	0.09%	0.039%
47	7.156	7.148	7.176	VV	26	283	0.12%	0.053%
48	7.205	7.176	7.279	VV	26	809	0.35%	0.150%
49	7.286	7.279	7.295	VV	8	49	0.02%	0.009%
50	7.313	7.295	7.323	PV	18	171	0.07%	0.032%
51	7.351	7.323	7.362	VV	28	379	0.16%	0.070%
52	7.378	7.362	7.386	VV	17	155	0.07%	0.029%
53	7.409	7.386	7.437	VV	20	477	0.21%	0.089%
54	7.448	7.437	7.470	VV	23	335	0.15%	0.062%
55	7.505	7.470	7.516	VV	26	510	0.22%	0.095%
56	7.551	7.516	7.571	VV	25	572	0.25%	0.106%
57	7.578	7.571	7.601	VV	22	338	0.15%	0.063%
58	7.611	7.601	7.646	VV	24	461	0.20%	0.086%
59	7.693	7.646	7.719	VV	30	904	0.39%	0.168%
60	7.738	7.719	7.747	VV	29	362	0.16%	0.067%
61	7.753	7.747	7.759	VV	22	149	0.06%	0.028%
62	7.891	7.759	7.997	VV	926	51484	22.35%	9.568%
63	8.005	7.997	8.019	VV	121	1544	0.67%	0.287%
64	8.034	8.019	8.081	VV	130	4382	1.90%	0.814%
65	8.090	8.081	8.125	VV	115	2723	1.18%	0.506%
66	8.134	8.125	8.142	VV	100	1013	0.44%	0.188%
67	8.149	8.142	8.162	VV	96	1118	0.49%	0.208%
68	8.174	8.162	8.189	VV	97	1417	0.62%	0.263%
69	8.208	8.189	8.229	VV	95	2027	0.88%	0.377%
70	8.244	8.229	8.252	VV	86	1130	0.49%	0.210%
71	8.273	8.252	8.282	VV	100	1630	0.71%	0.303%
72	8.287	8.282	8.331	VV	93	2417	1.05%	0.449%
73	8.344	8.331	8.362	VV	83	1430	0.62%	0.266%
74	8.370	8.362	8.399	VV	78	1569	0.68%	0.292%
75	8.405	8.399	8.514	VV	72	3265	1.42%	0.607%
76	8.522	8.514	8.551	VV	28	467	0.20%	0.087%
77	8.561	8.551	8.570	VV	22	213	0.09%	0.040%
78	8.584	8.570	8.596	VV	22	286	0.12%	0.053%
79	8.609	8.596	8.627	VV	19	230	0.10%	0.043%
80	8.792	8.627	8.963	VV	4026	230310	100.00%	42.804%
81	8.975	8.963	9.017	VV	59	1402	0.61%	0.261%
82	9.033	9.017	9.080	VV	38	1193	0.52%	0.222%
83	9.098	9.080	9.152	VV	26	962	0.42%	0.179%
84	9.180	9.152	9.200	VV	33	688	0.30%	0.128%
85	9.228	9.200	9.252	VV	26	632	0.27%	0.118%
86	9.258	9.252	9.291	VV	30	483	0.21%	0.090%
87	9.302	9.291	9.326	VV	28	517	0.22%	0.096%
88	9.347	9.326	9.377	VV	34	556	0.24%	0.103%
89	9.450	9.377	9.481	VV	36	1371	0.60%	0.255%

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90	9.593	9.481	9.634	VV	29	1811	0.79%	0.337%
91	9.652	9.634	9.717	VV	30	932	0.40%	0.173%
92	9.780	9.717	9.797	VV	37	1086	0.47%	0.202%
93	9.814	9.797	9.839	VV	35	552	0.24%	0.103%
94	9.858	9.839	9.873	VV	29	357	0.15%	0.066%
95	9.908	9.873	9.971	VV	33	792	0.34%	0.147%
96	10.002	9.971	10.029	PV	19	440	0.19%	0.082%
97	10.091	10.029	10.126	VV	19	971	0.42%	0.180%
98	10.180	10.126	10.210	VV	35	1171	0.51%	0.218%
99	10.396	10.210	10.546	VV	178	18896	8.20%	3.512%
100	10.624	10.546	10.738	VV	110	6544	2.84%	1.216%
101	10.746	10.738	10.808	VV	34	822	0.36%	0.153%
102	10.868	10.808	10.889	VV	23	812	0.35%	0.151%
103	10.933	10.889	10.953	VV	33	673	0.29%	0.125%
104	11.030	10.953	11.064	VV	37	1525	0.66%	0.283%
105	11.093	11.064	11.139	VV	24	700	0.30%	0.130%
106	11.164	11.139	11.233	VV	34	860	0.37%	0.160%
107	11.262	11.233	11.279	VV	20	231	0.10%	0.043%
108	11.307	11.279	11.358	VV	22	621	0.27%	0.115%
109	11.416	11.358	11.459	VV	23	1019	0.44%	0.189%
110	11.501	11.459	11.526	VV	21	609	0.26%	0.113%
111	11.615	11.526	11.649	VV	43	1862	0.81%	0.346%
112	11.660	11.649	11.696	VV	38	775	0.34%	0.144%
113	11.766	11.696	11.788	VV	39	1440	0.63%	0.268%
114	11.817	11.788	11.852	VV	30	654	0.28%	0.122%
115	11.915	11.852	11.966	VV	37	1348	0.59%	0.250%
116	11.976	11.966	12.022	VV	30	475	0.21%	0.088%
117	12.043	12.022	12.059	VV	30	363	0.16%	0.067%
118	12.085	12.059	12.152	VV	31	1035	0.45%	0.192%
119	12.167	12.152	12.183	VV	13	214	0.09%	0.040%
120	12.224	12.183	12.280	VV	32	921	0.40%	0.171%
121	12.373	12.280	12.389	PV	39	1312	0.57%	0.244%
122	12.406	12.389	12.450	VV	31	692	0.30%	0.129%
123	12.513	12.450	12.553	VV	41	1052	0.46%	0.196%
124	12.655	12.553	12.688	VV	43	1985	0.86%	0.369%
125	12.792	12.688	12.829	VV	57	3813	1.66%	0.709%
126	12.882	12.829	12.987	VV	89	5156	2.24%	0.958%
127	13.068	12.987	13.100	VV	54	2857	1.24%	0.531%
128	13.188	13.100	13.287	VV	299	14577	6.33%	2.709%
129	13.301	13.287	13.355	VV	28	722	0.31%	0.134%
130	13.363	13.355	13.388	VV	22	339	0.15%	0.063%
131	13.403	13.388	13.421	VV	21	297	0.13%	0.055%
132	13.452	13.421	13.467	VV	28	496	0.22%	0.092%
133	13.488	13.467	13.540	VV	33	984	0.43%	0.183%
134	13.571	13.540	13.680	VV	38	1497	0.65%	0.278%
135	13.723	13.680	13.752	PV	33	514	0.22%	0.095%
136	13.789	13.752	13.806	PV	24	483	0.21%	0.090%
137	13.915	13.806	14.009	VV	158	10465	4.54%	1.945%
138	14.122	14.009	14.304	VV	128	12704	5.52%	2.361%
139	14.392	14.304	14.417	VV	33	1707	0.74%	0.317%
140	14.434	14.417	14.448	VV	35	539	0.23%	0.100%
141	14.532	14.448	14.738	VV	166	9875	4.29%	1.835%

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142	14.768	14.738	14.802	VV	19	344	0.15%	0.064%
143	14.816	14.802	14.834	VV	8	158	0.07%	0.029%
144	14.977	14.834	14.994	PV	26	1021	0.44%	0.190%
145	15.054	14.994	15.139	PV	45	2187	0.95%	0.406%
146	15.231	15.139	15.284	VV	26	1256	0.55%	0.233%
147	15.421	15.284	15.548	VV	197	11654	5.06%	2.166%
148	15.560	15.548	15.611	VV	23	437	0.19%	0.081%
149	15.644	15.611	15.657	PV	19	334	0.15%	0.062%
150	15.952	15.657	16.066	VV	341	21808	9.47%	4.053%
151	16.092	16.066	16.110	VV	38	499	0.22%	0.093%
152	16.197	16.110	16.275	VV	161	9339	4.06%	1.736%
153	16.363	16.275	16.469	VV	84	7411	3.22%	1.377%
154	16.481	16.469	16.533	VV	33	919	0.40%	0.171%
155	16.581	16.533	16.597	VV	24	639	0.28%	0.119%
156	16.651	16.597	16.664	VV	28	524	0.23%	0.097%
157	16.758	16.664	16.786	PV	45	1629	0.71%	0.303%
158	16.801	16.786	16.817	VV	31	440	0.19%	0.082%
159	16.886	16.817	16.905	VV	35	1478	0.64%	0.275%
160	16.920	16.905	16.936	VV	24	324	0.14%	0.060%

Sum of corrected areas: 538060

FB053025.M Tue Jun 03 06:00:35 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB060225\
Data File : FB031849.D
Signal(s) : FID2B.CH
Acq On : 2 Jun 2025 18:50
Operator : YP/AJ
Sample : Q2150-08
Misc : 6.25G/5.00 ML DI WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-52

Integration File: Calibration.e
Quant Time: Jun 03 05:28:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB053025.M
Quant Title :
QLast Update : Fri May 30 15:30:47 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 g/ml
Signal Phase : RTX-502.2
Signal Info : 60mx0.53mmx3.00um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
5) s AAA-TFT	8.792	252429	20.687 ng/ml
Target Compounds			

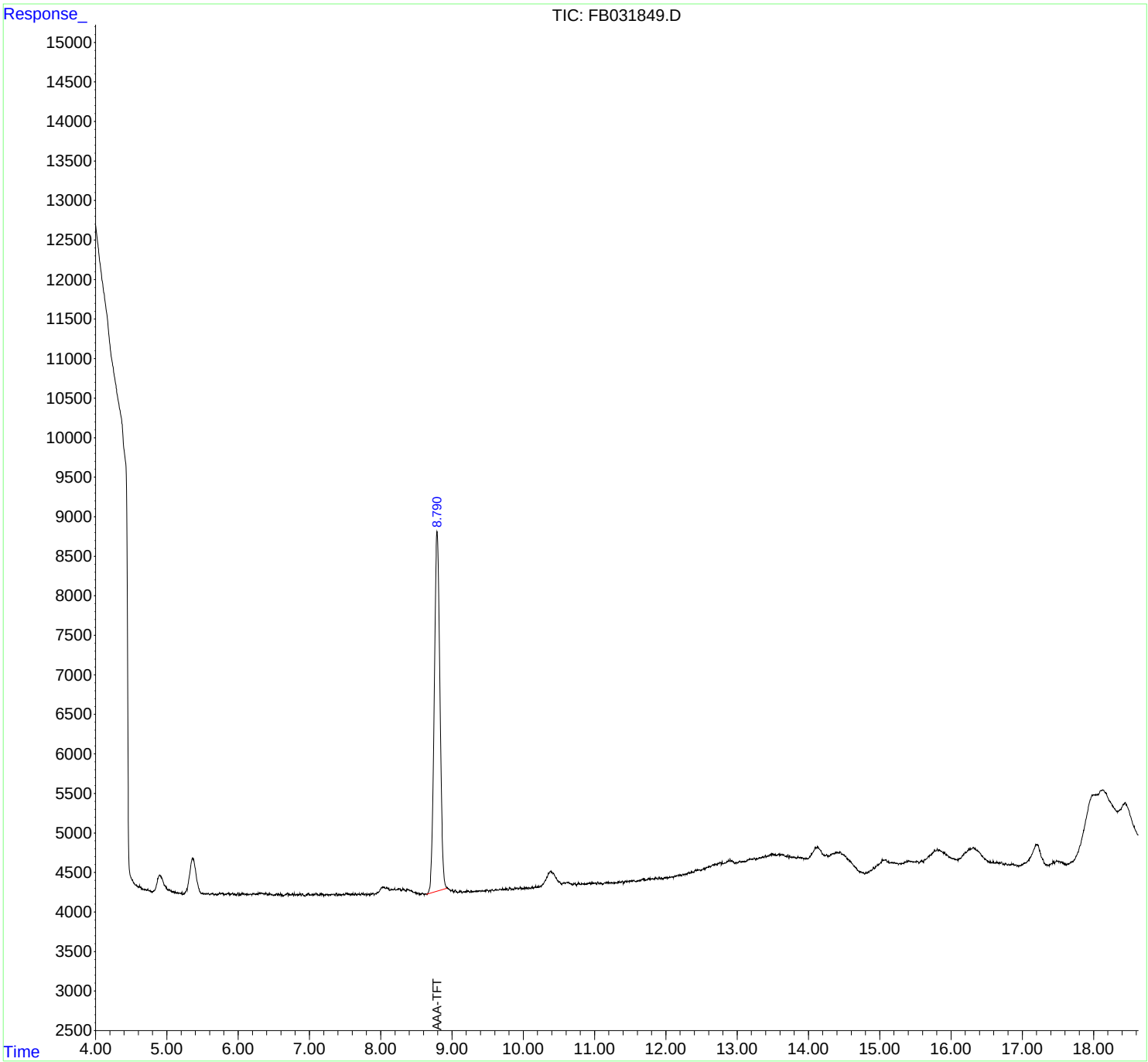
(f)=RT Delta > 1/2 Window (m)=manual int.

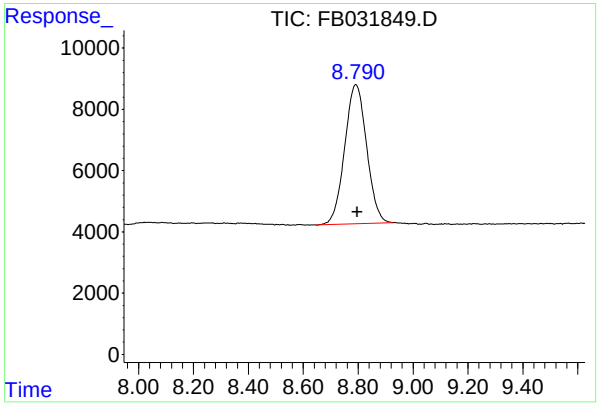
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB060225\
Data File : FB031849.D
Signal(s) : FID2B.CH
Acq On : 2 Jun 2025 18:50
Operator : YP/AJ
Sample : Q2150-08
Misc : 6.25G/5.00 ML DI WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-52

Integration File: Calibration.e
Quant Time: Jun 03 05:28:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB053025.M
Quant Title :
QLast Update : Fri May 30 15:30:47 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 g/ml
Signal Phase : RTX-502.2
Signal Info : 60mx0.53mmx3.00um





#5 AAA-TFT

R.T.:	8.792 min
Delta R.T.:	-0.006 mi
Response:	252429
Conc:	20.69 ng/m

Instrument :
FID_B
ClientSampleId :
TP-52

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB060225\
Data File : FB031849.D
Signal(s) : FID2B.CH
Acq On : 2 Jun 2025 18:50
Sample : Q2150-08
Misc : 6.25G/5.00 ML DI WATER
ALS Vial : 20 Sample Multiplier: 1

Integration File: SAMPLE.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB053025.M
Title :

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.618	4.604	4.646	BV	29	314	0.12%	0.034%
2	4.655	4.646	4.723	PV	20	412	0.16%	0.045%
3	4.734	4.723	4.763	VV	24	259	0.10%	0.028%
4	4.767	4.763	4.799	VV	18	167	0.06%	0.018%
5	5.038	5.027	5.072	VV	54	1039	0.40%	0.113%
6	5.097	5.072	5.147	VV	33	920	0.35%	0.100%
7	5.156	5.147	5.165	VV	24	170	0.07%	0.019%
8	5.176	5.165	5.197	VV	18	261	0.10%	0.028%
9	5.214	5.197	5.230	VV	28	250	0.10%	0.027%
10	5.239	5.230	5.244	PV	15	56	0.02%	0.006%
11	5.533	5.522	5.552	VV	22	266	0.10%	0.029%
12	5.566	5.552	5.576	VV	21	228	0.09%	0.025%
13	5.585	5.576	5.600	VV	24	214	0.08%	0.023%
14	5.648	5.600	5.676	VV	24	654	0.25%	0.071%
15	5.684	5.676	5.700	VV	19	149	0.06%	0.016%
16	5.742	5.700	5.755	PV	36	540	0.21%	0.059%
17	5.774	5.755	5.809	VV	31	730	0.28%	0.079%
18	5.857	5.809	5.890	VV	30	988	0.38%	0.107%
19	5.899	5.890	5.905	VV	23	159	0.06%	0.017%
20	5.924	5.905	5.934	VV	32	407	0.16%	0.044%
21	5.942	5.934	5.949	VV	21	137	0.05%	0.015%
22	5.974	5.949	5.982	VV	20	297	0.11%	0.032%
23	5.997	5.982	6.011	VV	31	365	0.14%	0.040%
24	6.018	6.011	6.025	PV	25	108	0.04%	0.012%
25	6.059	6.025	6.070	VV	37	580	0.22%	0.063%
26	6.080	6.070	6.094	VV	32	314	0.12%	0.034%
27	6.106	6.094	6.114	VV	23	232	0.09%	0.025%
28	6.122	6.114	6.146	VV	25	347	0.13%	0.038%
29	6.151	6.146	6.163	VV	19	193	0.07%	0.021%
30	6.171	6.163	6.196	VV	25	408	0.16%	0.044%
31	6.205	6.196	6.218	VV	30	337	0.13%	0.037%
32	6.224	6.218	6.244	VV	32	382	0.15%	0.042%
33	6.258	6.244	6.280	VV	28	504	0.19%	0.055%
34	6.307	6.280	6.316	VV	39	666	0.26%	0.072%
35	6.329	6.316	6.363	VV	41	908	0.35%	0.099%
36	6.376	6.363	6.385	VV	36	386	0.15%	0.042%

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37	6.393	6.385	6.410	VV	35	407	0.16%	0.044%
38	6.419	6.410	6.428	VV	30	214	0.08%	0.023%
39	6.439	6.428	6.469	VV	37	577	0.22%	0.063%
40	6.477	6.469	6.494	VV	22	229	0.09%	0.025%
41	6.503	6.494	6.508	VV	16	100	0.04%	0.011%
42	6.514	6.508	6.520	VV	17	104	0.04%	0.011%
43	6.543	6.520	6.558	VV	34	479	0.18%	0.052%
44	6.570	6.558	6.581	VV	30	302	0.12%	0.033%
45	6.594	6.581	6.602	VV	33	263	0.10%	0.029%
46	6.611	6.602	6.627	VV	26	203	0.08%	0.022%
47	6.694	6.627	6.706	VV	39	883	0.34%	0.096%
48	6.718	6.706	6.741	VV	29	411	0.16%	0.045%
49	6.765	6.741	6.783	VV	38	571	0.22%	0.062%
50	6.791	6.783	6.805	VV	33	282	0.11%	0.031%
51	6.816	6.805	6.856	VV	27	606	0.23%	0.066%
52	6.872	6.856	6.886	VV	35	432	0.17%	0.047%
53	6.900	6.886	6.940	VV	34	502	0.19%	0.055%
54	6.981	6.940	6.999	PV	38	715	0.27%	0.078%
55	7.009	6.999	7.025	VV	23	278	0.11%	0.030%
56	7.039	7.025	7.062	VV	27	432	0.17%	0.047%
57	7.092	7.062	7.102	VV	39	601	0.23%	0.065%
58	7.108	7.102	7.141	VV	32	455	0.17%	0.049%
59	7.166	7.141	7.196	VV	39	721	0.28%	0.078%
60	7.236	7.196	7.265	VV	24	645	0.25%	0.070%
61	7.274	7.265	7.287	VV	20	197	0.08%	0.021%
62	7.297	7.287	7.305	VV	18	142	0.05%	0.015%
63	7.324	7.305	7.334	VV	22	305	0.12%	0.033%
64	7.343	7.334	7.362	VV	24	286	0.11%	0.031%
65	7.379	7.362	7.407	VV	30	434	0.17%	0.047%
66	7.421	7.407	7.430	VV	23	221	0.08%	0.024%
67	7.436	7.430	7.454	VV	16	159	0.06%	0.017%
68	7.481	7.454	7.499	VV	20	377	0.15%	0.041%
69	7.512	7.499	7.523	VV	32	328	0.13%	0.036%
70	7.533	7.523	7.543	VV	33	305	0.12%	0.033%
71	7.549	7.543	7.556	VV	25	147	0.06%	0.016%
72	7.565	7.556	7.575	VV	23	186	0.07%	0.020%
73	7.587	7.575	7.596	VV	25	219	0.08%	0.024%
74	7.603	7.596	7.634	VV	24	346	0.13%	0.038%
75	7.644	7.634	7.668	VV	34	312	0.12%	0.034%
76	7.679	7.668	7.705	VV	21	332	0.13%	0.036%
77	7.713	7.705	7.721	VV	12	102	0.04%	0.011%
78	7.734	7.721	7.746	VV	26	301	0.12%	0.033%
79	7.754	7.746	7.774	VV	32	282	0.11%	0.031%
80	7.786	7.774	7.799	VV	24	231	0.09%	0.025%
81	7.808	7.799	7.818	PV	22	122	0.05%	0.013%
82	7.837	7.818	7.847	VV	22	229	0.09%	0.025%
83	7.893	7.847	7.908	VV	30	635	0.24%	0.069%
84	7.926	7.908	7.938	VV	21	288	0.11%	0.031%
85	8.022	7.938	8.054	VV	101	4634	1.78%	0.504%
86	8.058	8.054	8.074	VV	98	1097	0.42%	0.119%
87	8.086	8.074	8.128	VV	101	2672	1.03%	0.291%
88	8.148	8.128	8.175	VV	75	1899	0.73%	0.206%
89	8.196	8.175	8.213	VV	79	1566	0.60%	0.170%

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90	8.269	8.213	8.296	VV	79	3427	1.32%	0.373%
91	8.312	8.296	8.320	VV	81	961	0.37%	0.105%
92	8.326	8.320	8.353	VV	71	1155	0.44%	0.126%
93	8.372	8.353	8.414	VV	74	2264	0.87%	0.246%
94	8.425	8.414	8.498	VV	54	1779	0.68%	0.193%
95	8.525	8.498	8.556	VV	22	436	0.17%	0.047%
96	8.565	8.556	8.572	PV	11	59	0.02%	0.006%
97	8.586	8.572	8.626	VV	17	229	0.09%	0.025%
98	8.792	8.626	8.996	PV	4584	260181	100.00%	28.293%
99	9.004	8.996	9.029	VV	46	563	0.22%	0.061%
100	9.047	9.029	9.090	VV	39	699	0.27%	0.076%
101	9.117	9.090	9.142	VV	30	500	0.19%	0.054%
102	9.162	9.142	9.197	VV	17	320	0.12%	0.035%
103	9.209	9.197	9.250	VV	26	476	0.18%	0.052%
104	9.266	9.250	9.288	PV	20	217	0.08%	0.024%
105	9.311	9.288	9.327	VV	14	228	0.09%	0.025%
106	9.352	9.327	9.361	VV	18	276	0.11%	0.030%
107	9.369	9.361	9.377	VV	14	126	0.05%	0.014%
108	9.398	9.377	9.408	VV	19	264	0.10%	0.029%
109	9.423	9.408	9.433	VV	21	198	0.08%	0.022%
110	9.448	9.433	9.458	VV	15	177	0.07%	0.019%
111	9.467	9.458	9.475	VV	21	143	0.05%	0.016%
112	9.489	9.475	9.515	VV	27	392	0.15%	0.043%
113	9.536	9.515	9.545	VV	18	215	0.08%	0.023%
114	9.565	9.545	9.589	PV	27	411	0.16%	0.045%
115	9.613	9.589	9.623	VV	30	385	0.15%	0.042%
116	9.642	9.623	9.651	VV	21	269	0.10%	0.029%
117	9.672	9.651	9.706	VV	29	670	0.26%	0.073%
118	9.712	9.706	9.725	VV	36	275	0.11%	0.030%
119	9.754	9.725	9.762	VV	37	453	0.17%	0.049%
120	9.770	9.762	9.790	VV	28	312	0.12%	0.034%
121	9.811	9.790	9.832	VV	39	603	0.23%	0.066%
122	9.843	9.832	9.867	VV	22	331	0.13%	0.036%
123	9.883	9.867	9.898	VV	29	440	0.17%	0.048%
124	9.916	9.898	9.941	VV	33	601	0.23%	0.065%
125	9.958	9.941	9.999	VV	42	810	0.31%	0.088%
126	10.013	9.999	10.024	VV	34	337	0.13%	0.037%
127	10.044	10.024	10.069	VV	31	580	0.22%	0.063%
128	10.080	10.069	10.091	VV	32	295	0.11%	0.032%
129	10.098	10.091	10.109	VV	20	198	0.08%	0.022%
130	10.127	10.109	10.150	VV	34	588	0.23%	0.064%
131	10.173	10.150	10.190	VV	42	700	0.27%	0.076%
132	10.203	10.190	10.232	VV	38	774	0.30%	0.084%
133	10.387	10.232	10.503	VV	225	21693	8.34%	2.359%
134	10.512	10.503	10.540	VV	86	1492	0.57%	0.162%
135	10.551	10.540	10.562	VV	67	798	0.31%	0.087%
136	10.572	10.562	10.593	VV	72	1212	0.47%	0.132%
137	10.612	10.593	10.623	VV	73	1280	0.49%	0.139%
138	10.632	10.623	10.672	VV	75	1770	0.68%	0.192%
139	10.680	10.672	10.694	VV	54	606	0.23%	0.066%
140	10.731	10.694	10.749	VV	57	1457	0.56%	0.158%
141	10.780	10.749	10.810	VV	57	1623	0.62%	0.176%

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142	10.820	10.810	10.830	VV	53	524	0.20%	0.057%
143	10.858	10.830	10.867	VV	48	896	0.34%	0.097%
144	10.928	10.867	10.950	VV	54	2144	0.82%	0.233%
145	10.971	10.950	11.033	VV	55	2135	0.82%	0.232%
146	11.048	11.033	11.062	VV	58	766	0.29%	0.083%
147	11.075	11.062	11.119	VV	42	1215	0.47%	0.132%
148	11.147	11.119	11.158	VV	46	883	0.34%	0.096%
149	11.167	11.158	11.178	VV	54	576	0.22%	0.063%
150	11.190	11.178	11.199	VV	52	531	0.20%	0.058%
151	11.210	11.199	11.219	VV	45	493	0.19%	0.054%
152	11.233	11.219	11.246	VV	47	632	0.24%	0.069%
153	11.254	11.246	11.278	VV	41	686	0.26%	0.075%
154	11.287	11.278	11.319	VV	41	910	0.35%	0.099%
155	11.330	11.319	11.366	VV	49	1184	0.46%	0.129%
156	11.391	11.366	11.414	VV	57	1206	0.46%	0.131%
157	11.433	11.414	11.451	VV	56	1027	0.39%	0.112%
158	11.459	11.451	11.470	VV	56	538	0.21%	0.058%
159	11.484	11.470	11.512	VV	55	1227	0.47%	0.133%
160	11.525	11.512	11.537	VV	58	804	0.31%	0.087%
161	11.544	11.537	11.587	VV	56	1438	0.55%	0.156%
162	11.679	11.587	11.688	VV	75	3251	1.25%	0.354%
163	11.702	11.688	11.714	VV	77	1000	0.38%	0.109%
164	11.755	11.714	11.768	VV	76	1951	0.75%	0.212%
165	11.776	11.768	11.786	VV	77	683	0.26%	0.074%
166	11.855	11.786	11.871	VV	81	3443	1.32%	0.374%
167	11.877	11.871	11.891	VV	75	772	0.30%	0.084%
168	11.906	11.891	11.921	VV	81	1235	0.47%	0.134%
169	11.935	11.921	11.951	VV	78	1163	0.45%	0.126%
170	11.959	11.951	11.967	VV	65	581	0.22%	0.063%
171	11.981	11.967	11.988	VV	73	873	0.34%	0.095%
172	12.011	11.988	12.024	VV	76	1469	0.56%	0.160%
173	12.055	12.024	12.066	VV	80	1814	0.70%	0.197%
174	12.087	12.066	12.111	VV	82	2061	0.79%	0.224%
175	12.127	12.111	12.141	VV	91	1494	0.57%	0.162%
176	12.150	12.141	12.157	VV	94	804	0.31%	0.087%
177	12.175	12.157	12.184	VV	104	1530	0.59%	0.166%
178	12.189	12.184	12.196	VV	98	672	0.26%	0.073%
179	12.203	12.196	12.224	VV	100	1551	0.60%	0.169%
180	12.323	12.224	12.344	VV	130	7780	2.99%	0.846%
181	12.357	12.344	12.389	VV	130	3304	1.27%	0.359%
182	12.422	12.389	12.431	VV	154	3499	1.34%	0.381%
183	12.447	12.431	12.456	VV	161	2327	0.89%	0.253%
184	12.470	12.456	12.492	VV	152	3146	1.21%	0.342%
185	12.581	12.492	12.590	VV	181	9539	3.67%	1.037%
186	12.663	12.590	12.676	VV	210	9866	3.79%	1.073%
187	12.690	12.676	12.719	VV	217	5405	2.08%	0.588%
188	12.732	12.719	12.739	VV	226	2622	1.01%	0.285%
189	12.767	12.739	12.784	VV	232	6053	2.33%	0.658%
190	12.792	12.784	12.806	VV	237	2876	1.11%	0.313%
191	12.879	12.806	12.893	VV	254	12042	4.63%	1.310%
192	12.901	12.893	12.914	VV	267	3227	1.24%	0.351%
193	12.924	12.914	12.968	VV	248	7529	2.89%	0.819%
194	13.001	12.968	13.010	VV	224	5473	2.10%	0.595%

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195	13.037	13.010	13.057	VV	240	6392	2.46%	0.695%
196	13.079	13.057	13.088	VV	235	4287	1.65%	0.466%
197	13.094	13.088	13.099	VV	229	1446	0.56%	0.157%
198	13.113	13.099	13.124	VV	230	3499	1.34%	0.381%
199	13.176	13.124	13.224	VV	266	14892	5.72%	1.619%
200	13.239	13.224	13.289	VV	271	10060	3.87%	1.094%
201	13.313	13.289	13.322	VV	269	5137	1.97%	0.559%
202	13.357	13.322	13.379	VV	279	9250	3.56%	1.006%
203	13.397	13.379	13.406	VV	297	4584	1.76%	0.499%
204	13.412	13.406	13.416	VV	282	1674	0.64%	0.182%
205	13.438	13.416	13.451	VV	292	6076	2.34%	0.661%
206	13.462	13.451	13.471	VV	304	3421	1.31%	0.372%
207	13.481	13.471	13.488	VV	314	3217	1.24%	0.350%
208	13.498	13.488	13.516	VV	310	5070	1.95%	0.551%
209	13.524	13.516	13.555	VV	302	6828	2.62%	0.742%
210	13.587	13.555	13.607	VV	308	9152	3.52%	0.995%
211	13.630	13.607	13.643	VV	298	6330	2.43%	0.688%
212	13.652	13.643	13.686	VV	295	7176	2.76%	0.780%
213	13.713	13.686	13.727	VV	290	6615	2.54%	0.719%
214	13.737	13.727	13.764	VV	280	5771	2.22%	0.628%
215	13.773	13.764	13.784	VV	262	3160	1.21%	0.344%
216	13.805	13.784	13.834	VV	258	7466	2.87%	0.812%
217	13.858	13.834	13.878	VV	255	6536	2.51%	0.711%
218	13.887	13.878	13.995	VV	250	16452	6.32%	1.789%
219	14.096	13.995	14.109	VV	371	20128	7.74%	2.189%
220	14.128	14.109	14.227	VV	373	22516	8.65%	2.448%
221	14.254	14.227	14.276	VV	266	7421	2.85%	0.807%
222	14.290	14.276	14.300	VV	257	3620	1.39%	0.394%
223	14.389	14.300	14.416	VV	289	19168	7.37%	2.084%
224	14.426	14.416	14.434	VV	290	3143	1.21%	0.342%
225	14.448	14.434	14.468	VV	296	5751	2.21%	0.625%
226	14.476	14.468	14.726	VV	267	23582	9.06%	2.564%
227	14.735	14.726	14.758	VV	33	434	0.17%	0.047%
228	14.775	14.758	14.788	VV	19	229	0.09%	0.025%
229	14.917	14.788	14.927	PV	72	2680	1.03%	0.291%
230	15.035	14.927	15.058	VV	169	9198	3.54%	1.000%
231	15.089	15.058	15.111	VV	169	4971	1.91%	0.541%
232	15.120	15.111	15.137	VV	145	2135	0.82%	0.232%
233	15.158	15.137	15.176	VV	130	2913	1.12%	0.317%
234	15.183	15.176	15.192	VV	125	1188	0.46%	0.129%
235	15.200	15.192	15.264	VV	129	5051	1.94%	0.549%
236	15.384	15.264	15.393	VV	140	8970	3.45%	0.975%
237	15.404	15.393	15.423	VV	141	2398	0.92%	0.261%
238	15.429	15.423	15.437	VV	137	1096	0.42%	0.119%
239	15.447	15.437	15.470	VV	131	2545	0.98%	0.277%
240	15.481	15.470	15.498	VV	124	2027	0.78%	0.220%
241	15.519	15.498	15.553	VV	132	4030	1.55%	0.438%
242	15.585	15.553	15.612	VV	139	4353	1.67%	0.473%
243	15.632	15.612	15.639	VV	148	2149	0.83%	0.234%
244	15.705	15.639	15.713	VV	203	7728	2.97%	0.840%
245	15.771	15.713	15.790	VV	263	10556	4.06%	1.148%
246	15.808	15.790	15.818	VV	272	4350	1.67%	0.473%

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247	15.832	15.818	15.927	VV	261	15315	5.89%	1.665%
248	15.935	15.927	15.981	VV	201	5772	2.22%	0.628%
249	15.985	15.981	16.091	VV	161	9128	3.51%	0.993%
250	16.121	16.091	16.130	VV	137	3012	1.16%	0.327%
251	16.249	16.130	16.268	VV	257	16561	6.37%	1.801%
252	16.313	16.268	16.327	VV	274	9012	3.46%	0.980%
253	16.335	16.327	16.544	VV	262	21002	8.07%	2.284%
254	16.553	16.544	16.562	VV	87	783	0.30%	0.085%
255	16.594	16.562	16.620	VV	87	2344	0.90%	0.255%
256	16.631	16.620	16.666	VV	70	1721	0.66%	0.187%
257	16.682	16.666	16.696	VV	64	1001	0.38%	0.109%
258	16.709	16.696	16.729	VV	71	1093	0.42%	0.119%
259	16.740	16.729	16.749	VV	44	448	0.17%	0.049%
260	16.770	16.749	16.792	VV	52	968	0.37%	0.105%
261	16.805	16.792	16.837	VV	37	767	0.29%	0.083%
262	16.848	16.837	16.856	VV	33	331	0.13%	0.036%
263	16.875	16.856	16.898	VV	41	744	0.29%	0.081%
264	16.913	16.898	16.930	VV	25	338	0.13%	0.037%
265	16.940	16.930	16.951	VV	16	130	0.05%	0.014%
266	16.961	16.951	16.971	PV	11	81	0.03%	0.009%
			Sum of corrected areas:			919580		

FB053025.M Tue Jun 03 06:01:03 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB060325\
Data File : FB031860.D
Signal(s) : FID2B.CH
Acq On : 3 Jun 2025 11:18
Operator : YP/AJ
Sample : Q2150-09
Misc : 7.00G/5.00 ML DI WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-54

Integration File: Calibration.e
Quant Time: Jun 04 01:20:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB053025.M
Quant Title :
QLast Update : Fri May 30 15:30:47 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 g/ml
Signal Phase : RTX-502.2
Signal Info : 60mx0.53mmx3.00um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
5) s AAA-TFT	8.790	293932	24.088 ng/ml
Target Compounds			

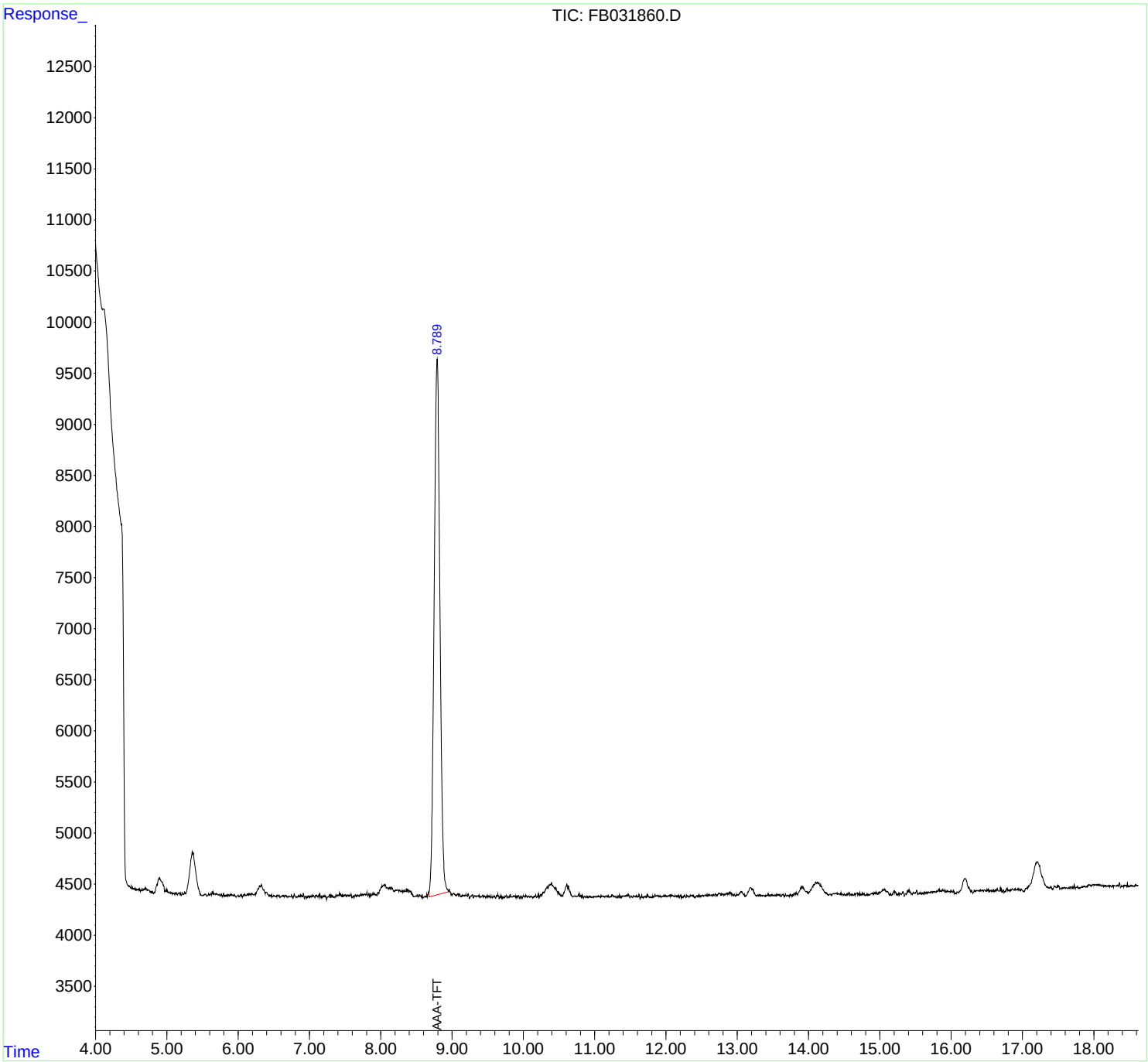
(f)=RT Delta > 1/2 Window (m)=manual int.

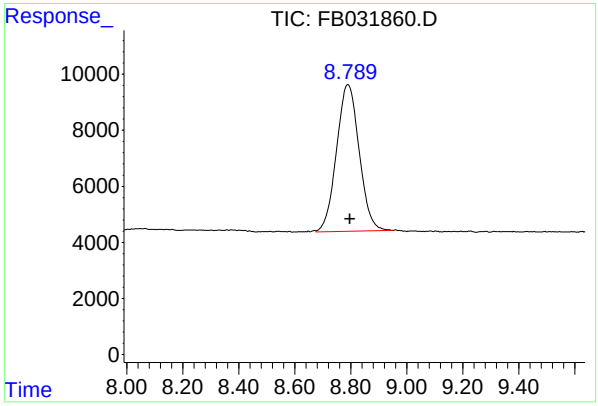
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB060325\
Data File : FB031860.D
Signal(s) : FID2B.CH
Acq On : 3 Jun 2025 11:18
Operator : YP/AJ
Sample : Q2150-09
Misc : 7.00G/5.00 ML DI WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-54

Integration File: Calibration.e
Quant Time: Jun 04 01:20:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB053025.M
Quant Title :
QLast Update : Fri May 30 15:30:47 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 g/ml
Signal Phase : RTX-502.2
Signal Info : 60mx0.53mmx3.00um





#5 AAA-TFT

R.T.: 8.790 min
Delta R.T.: -0.007 mi
Response: 293932
Conc: 24.09 ng/m

Instrument :
FID_B
ClientSampleId :
TP-54

6

A B C D E F G H I

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB060325\
Data File : FB031860.D
Signal(s) : FID2B.CH
Acq On : 3 Jun 2025 11:18
Sample : Q2150-09
Misc : 7.00G/5.00 ML DI WATER
ALS Vial : 5 Sample Multiplier: 1

Integration File: SAMPLE.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB053025.M
Title :

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.641	4.604	4.657	BV	10	39	0.01%	0.007%
2	4.667	4.657	4.679	PV	21	184	0.06%	0.033%
3	4.699	4.679	4.791	VV	39	1402	0.46%	0.255%
4	4.799	4.791	4.815	VV	21	149	0.05%	0.027%
5	4.995	4.988	5.024	VV	52	696	0.23%	0.127%
6	5.029	5.024	5.047	VV	28	283	0.09%	0.052%
7	5.060	5.047	5.091	VV	21	408	0.13%	0.074%
8	5.099	5.091	5.110	VV	17	154	0.05%	0.028%
9	5.128	5.110	5.149	VV	24	322	0.11%	0.059%
10	5.175	5.149	5.201	VV	29	500	0.16%	0.091%
11	5.216	5.201	5.232	PV	28	244	0.08%	0.045%
12	5.251	5.232	5.261	VV	37	388	0.13%	0.071%
13	5.514	5.502	5.521	VV	15	123	0.04%	0.022%
14	5.536	5.521	5.563	VV	23	399	0.13%	0.073%
15	5.590	5.563	5.602	VV	28	341	0.11%	0.062%
16	5.623	5.602	5.631	VV	33	414	0.14%	0.075%
17	5.647	5.631	5.657	VV	50	531	0.17%	0.097%
18	5.663	5.657	5.681	VV	33	394	0.13%	0.072%
19	5.696	5.681	5.723	VV	32	636	0.21%	0.116%
20	5.738	5.723	5.748	VV	27	303	0.10%	0.055%
21	5.763	5.748	5.779	VV	31	300	0.10%	0.055%
22	5.796	5.779	5.841	PV	31	531	0.17%	0.097%
23	5.852	5.841	5.860	VV	25	177	0.06%	0.032%
24	5.869	5.860	5.876	VV	24	175	0.06%	0.032%
25	5.902	5.876	5.932	VV	26	669	0.22%	0.122%
26	5.942	5.932	5.974	VV	25	354	0.12%	0.065%
27	6.000	5.974	6.011	PV	23	246	0.08%	0.045%
28	6.032	6.011	6.063	VV	23	498	0.16%	0.091%
29	6.077	6.063	6.084	VV	28	225	0.07%	0.041%
30	6.093	6.084	6.108	VV	29	320	0.11%	0.058%
31	6.126	6.108	6.166	VV	37	986	0.32%	0.180%
32	6.197	6.166	6.216	VV	43	1013	0.33%	0.184%
33	6.306	6.216	6.316	VV	116	4064	1.34%	0.740%
34	6.328	6.316	6.379	VV	127	3365	1.11%	0.613%
35	6.401	6.379	6.430	VV	57	1363	0.45%	0.248%
36	6.469	6.430	6.491	VV	31	780	0.26%	0.142%

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37	6.501	6.491	6.512	VV	26	258	0.08%	0.047%
38	6.517	6.512	6.526	VV	20	137	0.05%	0.025%
39	6.553	6.526	6.568	VV	29	541	0.18%	0.099%
40	6.577	6.568	6.603	VV	29	363	0.12%	0.066%
41	6.622	6.603	6.631	VV	30	363	0.12%	0.066%
42	6.639	6.631	6.652	VV	29	294	0.10%	0.053%
43	6.672	6.652	6.712	VV	32	731	0.24%	0.133%
44	6.721	6.712	6.730	VV	20	182	0.06%	0.033%
45	6.749	6.730	6.772	VV	35	479	0.16%	0.087%
46	6.787	6.772	6.816	VV	47	627	0.21%	0.114%
47	6.849	6.816	6.859	VV	29	497	0.16%	0.091%
48	6.873	6.859	6.906	VV	35	709	0.23%	0.129%
49	6.916	6.906	6.929	VV	48	411	0.14%	0.075%
50	6.939	6.929	6.964	VV	20	278	0.09%	0.051%
51	6.992	6.964	7.001	VV	23	415	0.14%	0.075%
52	7.020	7.001	7.034	VV	27	443	0.15%	0.081%
53	7.050	7.034	7.078	VV	31	686	0.23%	0.125%
54	7.092	7.078	7.117	VV	36	647	0.21%	0.118%
55	7.148	7.117	7.180	VV	52	1063	0.35%	0.194%
56	7.221	7.180	7.243	VV	31	879	0.29%	0.160%
57	7.282	7.243	7.294	PV	45	731	0.24%	0.133%
58	7.302	7.294	7.308	VV	37	230	0.08%	0.042%
59	7.314	7.308	7.340	VV	40	537	0.18%	0.098%
60	7.349	7.340	7.358	VV	26	217	0.07%	0.039%
61	7.372	7.358	7.389	VV	40	570	0.19%	0.104%
62	7.400	7.389	7.409	VV	44	453	0.15%	0.083%
63	7.422	7.409	7.429	VV	57	498	0.16%	0.091%
64	7.435	7.429	7.457	VV	51	627	0.21%	0.114%
65	7.464	7.457	7.473	VV	48	342	0.11%	0.062%
66	7.504	7.473	7.521	VV	45	998	0.33%	0.182%
67	7.529	7.521	7.567	VV	44	980	0.32%	0.179%
68	7.584	7.567	7.601	VV	49	640	0.21%	0.116%
69	7.615	7.601	7.626	VV	30	340	0.11%	0.062%
70	7.645	7.626	7.661	VV	42	643	0.21%	0.117%
71	7.676	7.661	7.696	VV	44	709	0.23%	0.129%
72	7.707	7.696	7.716	VV	43	447	0.15%	0.081%
73	7.726	7.716	7.757	VV	50	1002	0.33%	0.182%
74	7.808	7.757	7.822	VV	64	1778	0.59%	0.324%
75	7.833	7.822	7.844	VV	57	536	0.18%	0.098%
76	7.853	7.844	7.869	VV	57	573	0.19%	0.104%
77	7.895	7.869	7.950	VV	61	2226	0.73%	0.405%
78	8.048	7.950	8.058	VV	139	6525	2.15%	1.188%
79	8.065	8.058	8.080	VV	142	1758	0.58%	0.320%
80	8.094	8.080	8.109	VV	114	1875	0.62%	0.341%
81	8.118	8.109	8.134	VV	112	1609	0.53%	0.293%
82	8.145	8.134	8.197	VV	113	3555	1.17%	0.647%
83	8.239	8.197	8.256	VV	93	3016	0.99%	0.549%
84	8.262	8.256	8.284	VV	91	1369	0.45%	0.249%
85	8.303	8.284	8.312	VV	85	1312	0.43%	0.239%
86	8.332	8.312	8.342	VV	89	1460	0.48%	0.266%
87	8.359	8.342	8.395	VV	98	2611	0.86%	0.475%
88	8.403	8.395	8.463	VV	81	2345	0.77%	0.427%
89	8.512	8.463	8.528	VV	43	1113	0.37%	0.203%

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90	8.545	8.528	8.556	VV	45	604	0.20%	0.110%
91	8.582	8.556	8.593	VV	42	618	0.20%	0.112%
92	8.790	8.593	8.951	VV	5285	303461	100.00%	55.256%
93	8.961	8.951	9.001	VV	95	2040	0.67%	0.371%
94	9.024	9.001	9.065	VV	57	1758	0.58%	0.320%
95	9.085	9.065	9.096	VV	56	842	0.28%	0.153%
96	9.105	9.096	9.127	VV	53	677	0.22%	0.123%
97	9.151	9.127	9.184	VV	38	1114	0.37%	0.203%
98	9.194	9.184	9.215	VV	46	649	0.21%	0.118%
99	9.229	9.215	9.248	VV	53	685	0.23%	0.125%
100	9.285	9.248	9.298	VV	46	839	0.28%	0.153%
101	9.314	9.298	9.338	VV	37	663	0.22%	0.121%
102	9.352	9.338	9.362	VV	35	425	0.14%	0.077%
103	9.371	9.362	9.413	VV	35	813	0.27%	0.148%
104	9.430	9.413	9.448	VV	36	585	0.19%	0.107%
105	9.456	9.448	9.475	VV	33	398	0.13%	0.073%
106	9.494	9.475	9.502	VV	36	384	0.13%	0.070%
107	9.531	9.502	9.539	VV	33	589	0.19%	0.107%
108	9.547	9.539	9.582	VV	27	582	0.19%	0.106%
109	9.592	9.582	9.614	VV	33	414	0.14%	0.075%
110	9.643	9.614	9.663	VV	48	894	0.29%	0.163%
111	9.691	9.663	9.732	VV	33	740	0.24%	0.135%
112	9.760	9.732	9.773	VV	38	575	0.19%	0.105%
113	9.783	9.773	9.794	VV	26	253	0.08%	0.046%
114	9.804	9.794	9.810	VV	27	232	0.08%	0.042%
115	9.820	9.810	9.836	VV	46	443	0.15%	0.081%
116	9.870	9.836	9.903	VV	34	1032	0.34%	0.188%
117	9.911	9.903	9.920	VV	33	261	0.09%	0.048%
118	9.931	9.920	9.949	VV	34	452	0.15%	0.082%
119	9.967	9.949	9.986	VV	35	431	0.14%	0.078%
120	10.001	9.986	10.027	VV	37	599	0.20%	0.109%
121	10.037	10.027	10.053	VV	35	437	0.14%	0.079%
122	10.063	10.053	10.069	VV	30	245	0.08%	0.045%
123	10.078	10.069	10.095	VV	30	410	0.14%	0.075%
124	10.109	10.095	10.127	VV	30	448	0.15%	0.082%
125	10.174	10.127	10.188	VV	40	894	0.29%	0.163%
126	10.211	10.188	10.225	VV	51	608	0.20%	0.111%
127	10.247	10.225	10.258	VV	48	697	0.23%	0.127%
128	10.335	10.258	10.349	VV	123	4474	1.47%	0.815%
129	10.367	10.349	10.374	VV	143	1977	0.65%	0.360%
130	10.397	10.374	10.447	VV	156	5755	1.90%	1.048%
131	10.456	10.447	10.546	VV	116	3749	1.24%	0.683%
132	10.612	10.546	10.624	VV	143	4169	1.37%	0.759%
133	10.633	10.624	10.694	VV	131	2869	0.95%	0.522%
134	10.712	10.694	10.737	VV	32	741	0.24%	0.135%
135	10.778	10.737	10.797	VV	51	1212	0.40%	0.221%
136	10.804	10.797	10.817	VV	39	363	0.12%	0.066%
137	10.829	10.817	10.846	VV	41	455	0.15%	0.083%
138	10.860	10.846	10.870	VV	32	333	0.11%	0.061%
139	10.906	10.870	10.914	VV	27	582	0.19%	0.106%
140	10.924	10.914	10.960	VV	32	644	0.21%	0.117%
141	10.993	10.960	11.003	VV	31	594	0.20%	0.108%

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142	11.012	11.003	11.036	VV	27	492	0.16%	0.090%
143	11.048	11.036	11.056	VV	33	318	0.10%	0.058%
144	11.069	11.056	11.089	VV	27	485	0.16%	0.088%
145	11.102	11.089	11.131	VV	31	702	0.23%	0.128%
146	11.164	11.131	11.182	VV	35	845	0.28%	0.154%
147	11.194	11.182	11.216	VV	34	526	0.17%	0.096%
148	11.247	11.216	11.323	VV	44	1707	0.56%	0.311%
149	11.332	11.323	11.362	VV	29	608	0.20%	0.111%
150	11.405	11.362	11.416	VV	35	879	0.29%	0.160%
151	11.429	11.416	11.436	VV	37	379	0.12%	0.069%
152	11.459	11.436	11.468	VV	44	683	0.22%	0.124%
153	11.478	11.468	11.497	VV	46	565	0.19%	0.103%
154	11.512	11.497	11.532	VV	35	507	0.17%	0.092%
155	11.546	11.532	11.579	VV	37	772	0.25%	0.140%
156	11.585	11.579	11.613	VV	35	541	0.18%	0.099%
157	11.623	11.613	11.637	VV	46	401	0.13%	0.073%
158	11.662	11.637	11.684	PV	42	608	0.20%	0.111%
159	11.694	11.684	11.719	VV	27	469	0.15%	0.085%
160	11.746	11.719	11.791	VV	46	1098	0.36%	0.200%
161	11.818	11.791	11.832	VV	31	521	0.17%	0.095%
162	11.847	11.832	11.856	VV	43	427	0.14%	0.078%
163	11.868	11.856	11.877	VV	35	394	0.13%	0.072%
164	11.886	11.877	11.934	VV	37	914	0.30%	0.166%
165	11.973	11.934	11.988	VV	36	852	0.28%	0.155%
166	12.001	11.988	12.011	VV	36	394	0.13%	0.072%
167	12.024	12.011	12.032	VV	32	343	0.11%	0.062%
168	12.055	12.032	12.063	VV	39	564	0.19%	0.103%
169	12.071	12.063	12.122	VV	42	1019	0.34%	0.186%
170	12.129	12.122	12.163	VV	29	603	0.20%	0.110%
171	12.173	12.163	12.188	VV	30	351	0.12%	0.064%
172	12.207	12.188	12.216	VV	39	396	0.13%	0.072%
173	12.223	12.216	12.239	VV	24	217	0.07%	0.040%
174	12.265	12.239	12.282	VV	34	587	0.19%	0.107%
175	12.292	12.282	12.303	VV	34	315	0.10%	0.057%
176	12.311	12.303	12.324	VV	27	269	0.09%	0.049%
177	12.349	12.324	12.364	VV	35	615	0.20%	0.112%
178	12.378	12.364	12.403	VV	35	562	0.19%	0.102%
179	12.435	12.403	12.456	VV	29	631	0.21%	0.115%
180	12.465	12.456	12.477	VV	41	350	0.12%	0.064%
181	12.486	12.477	12.492	VV	28	212	0.07%	0.039%
182	12.512	12.492	12.528	VV	32	559	0.18%	0.102%
183	12.535	12.528	12.542	VV	29	226	0.07%	0.041%
184	12.577	12.542	12.619	VV	40	1382	0.46%	0.252%
185	12.633	12.619	12.678	VV	36	1039	0.34%	0.189%
186	12.693	12.678	12.723	VV	48	900	0.30%	0.164%
187	12.743	12.723	12.772	VV	50	1222	0.40%	0.223%
188	12.796	12.772	12.830	VV	40	1264	0.42%	0.230%
189	12.853	12.830	12.948	VV	49	2974	0.98%	0.542%
190	12.958	12.948	12.973	VV	37	412	0.14%	0.075%
191	13.063	12.973	13.116	VV	65	3296	1.09%	0.600%
192	13.187	13.116	13.274	VV	100	5517	1.82%	1.005%
193	13.289	13.274	13.301	VV	27	388	0.13%	0.071%
194	13.315	13.301	13.352	VV	23	655	0.22%	0.119%

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195	13.370	13.352	13.399	VV	25	549	0.18%	0.100%
196	13.434	13.399	13.460	VV	35	839	0.28%	0.153%
197	13.493	13.460	13.533	VV	33	972	0.32%	0.177%
198	13.573	13.533	13.622	VV	31	1149	0.38%	0.209%
199	13.633	13.622	13.662	VV	31	534	0.18%	0.097%
200	13.678	13.662	13.733	VV	33	753	0.25%	0.137%
201	13.748	13.733	13.767	VV	20	397	0.13%	0.072%
202	13.829	13.767	13.847	VV	46	1422	0.47%	0.259%
203	13.907	13.847	13.992	VV	107	5996	1.98%	1.092%
204	14.101	13.992	14.279	VV	145	14939	4.92%	2.720%
205	14.302	14.279	14.322	VV	29	582	0.19%	0.106%
206	14.354	14.322	14.371	VV	31	758	0.25%	0.138%
207	14.394	14.371	14.421	VV	34	917	0.30%	0.167%
208	14.430	14.421	14.493	VV	31	1044	0.34%	0.190%
209	14.507	14.493	14.521	VV	22	307	0.10%	0.056%
210	14.567	14.521	14.582	VV	40	857	0.28%	0.156%
211	14.600	14.582	14.631	VV	22	546	0.18%	0.099%
212	14.680	14.631	14.738	VV	36	1478	0.49%	0.269%
213	14.753	14.738	14.810	VV	37	796	0.26%	0.145%
214	14.893	14.810	14.910	VV	29	1189	0.39%	0.217%
215	14.926	14.910	14.944	VV	29	541	0.18%	0.099%
216	14.951	14.944	14.966	VV	39	364	0.12%	0.066%
217	14.993	14.966	15.005	VV	43	758	0.25%	0.138%
218	15.067	15.005	15.162	VV	64	3934	1.30%	0.716%
219	15.202	15.162	15.259	VV	56	1454	0.48%	0.265%
220	15.267	15.259	15.302	VV	32	543	0.18%	0.099%
221	15.324	15.302	15.348	VV	44	686	0.23%	0.125%
222	15.413	15.348	15.446	PV	56	1809	0.60%	0.329%
223	15.471	15.446	15.484	VV	34	516	0.17%	0.094%
224	15.518	15.484	15.537	VV	49	955	0.31%	0.174%
225	15.562	15.537	15.590	VV	18	536	0.18%	0.098%
226	15.726	15.590	15.790	VV	37	2938	0.97%	0.535%
227	15.831	15.790	15.853	VV	43	1366	0.45%	0.249%
228	15.882	15.853	15.986	VV	46	2602	0.86%	0.474%
229	16.010	15.986	16.059	VV	34	971	0.32%	0.177%
230	16.088	16.059	16.109	VV	20	424	0.14%	0.077%
231	16.194	16.109	16.306	VV	149	8376	2.76%	1.525%
232	16.360	16.306	16.420	VV	29	1614	0.53%	0.294%
233	16.439	16.420	16.515	VV	29	1435	0.47%	0.261%
234	16.521	16.515	16.543	VV	37	360	0.12%	0.066%
235	16.559	16.543	16.582	VV	26	448	0.15%	0.082%
236	16.645	16.582	16.674	VV	35	1197	0.39%	0.218%
237	16.692	16.674	16.749	VV	45	838	0.28%	0.153%
238	16.783	16.749	16.838	VV	30	973	0.32%	0.177%
239	16.859	16.838	16.888	VV	34	706	0.23%	0.129%
240	16.898	16.888	17.016	VV	36	1556	0.51%	0.283%

Sum of corrected areas: 549187

FB053025.M Wed Jun 04 02:12:59 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB060325\
Data File : FB031863.D
Signal(s) : FID2B.CH
Acq On : 3 Jun 2025 13:05
Operator : YP/AJ
Sample : Q2150-10 50X
Misc : 7.37G/5.00 ML MEOH
ALS Vial : 2 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-53

Integration File: Calibration.e
Quant Time: Jun 04 01:21:03 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB053025.M
Quant Title :
QLast Update : Fri May 30 15:30:47 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 g/ml
Signal Phase : RTX-502.2
Signal Info : 60mx0.53mmx3.00um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
5) s AAA-TFT	8.789	234996	19.258 ng/ml
Target Compounds			

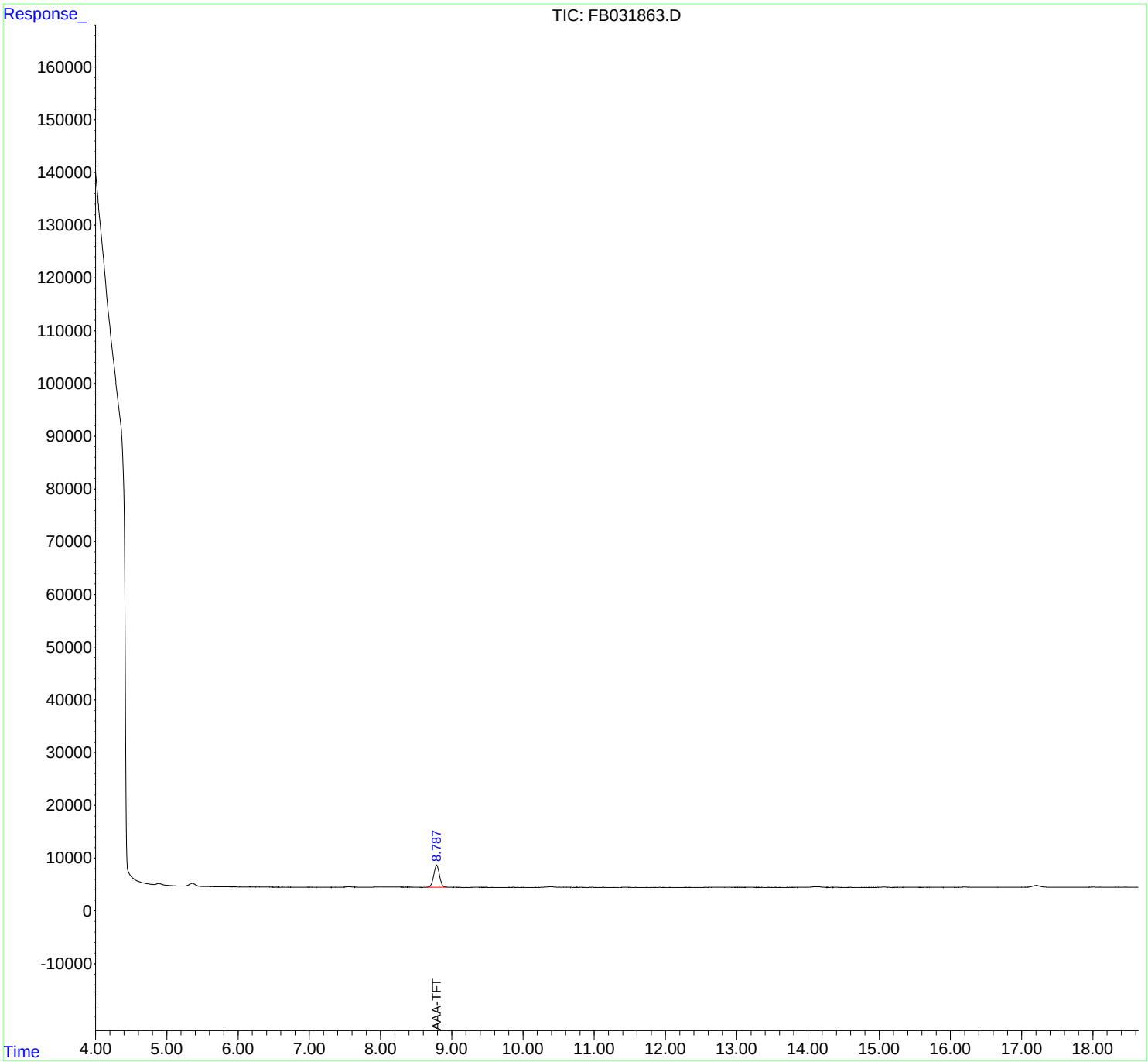
(f)=RT Delta > 1/2 Window (m)=manual int.

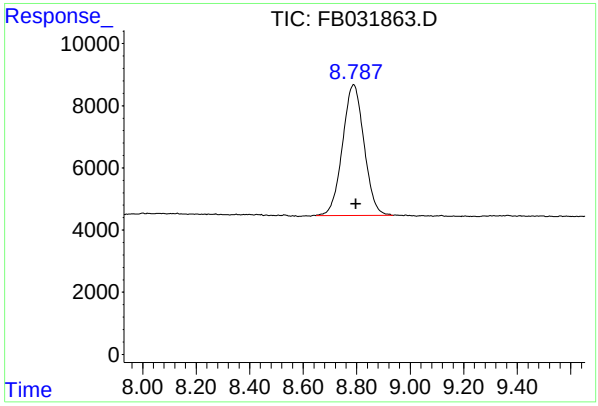
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB060325\
Data File : FB031863.D
Signal(s) : FID2B.CH
Acq On : 3 Jun 2025 13:05
Operator : YP/AJ
Sample : Q2150-10 50X
Misc : 7.37G/5.00 ML MEOH
ALS Vial : 2 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-53

Integration File: Calibration.e
Quant Time: Jun 04 01:21:03 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB053025.M
Quant Title :
QLast Update : Fri May 30 15:30:47 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 g/ml
Signal Phase : RTX-502.2
Signal Info : 60mx0.53mmx3.00um





#5 AAA-TFT

R.T.: 8.789 min
Delta R.T.: -0.009 mi
Response: 234996
Conc: 19.26 ng/m

Instrument :
FID_B
ClientSampleId :
TP-53

6
A
B
C
D
E
F
G
H
I

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB060325\
Data File : FB031863.D
Signal(s) : FID2B.CH
Acq On : 3 Jun 2025 13:05
Sample : Q2150-10 50X
Misc : 7.37G/5.00 ML MEOH
ALS Vial : 2 Sample Multiplier: 1

Integration File: SAMPLE.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB053025.M
Title :

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	5.121	5.113	5.160	PV	25	75	0.03%	0.017%
2	5.173	5.160	5.231	PV	13	279	0.12%	0.064%
3	5.535	5.527	5.598	PV	22	478	0.20%	0.109%
4	5.603	5.598	5.622	VV	17	107	0.04%	0.024%
5	5.635	5.622	5.684	PV	17	307	0.13%	0.070%
6	5.694	5.684	5.712	VV	14	136	0.06%	0.031%
7	5.732	5.712	5.740	PV	12	126	0.05%	0.029%
8	5.793	5.740	5.820	VV	28	661	0.28%	0.151%
9	5.828	5.820	5.841	VV	24	181	0.08%	0.041%
10	5.860	5.841	5.893	PV	22	336	0.14%	0.076%
11	5.911	5.893	5.929	VV	19	175	0.07%	0.040%
12	5.951	5.929	5.960	VV	25	229	0.10%	0.052%
13	5.980	5.960	6.016	VV	20	409	0.17%	0.093%
14	6.025	6.016	6.031	VV	18	93	0.04%	0.021%
15	6.044	6.031	6.053	VV	24	212	0.09%	0.048%
16	6.062	6.053	6.078	VV	21	230	0.10%	0.052%
17	6.091	6.078	6.135	VV	28	712	0.30%	0.162%
18	6.141	6.135	6.149	VV	31	224	0.09%	0.051%
19	6.169	6.149	6.182	VV	49	681	0.28%	0.155%
20	6.187	6.182	6.225	VV	33	677	0.28%	0.154%
21	6.232	6.225	6.252	VV	35	290	0.12%	0.066%
22	6.283	6.252	6.289	PV	41	550	0.23%	0.125%
23	6.302	6.289	6.319	VV	55	687	0.29%	0.156%
24	6.330	6.319	6.345	VV	40	573	0.24%	0.130%
25	6.369	6.345	6.377	VV	48	745	0.31%	0.170%
26	6.382	6.377	6.444	VV	44	1166	0.49%	0.265%
27	6.461	6.444	6.488	VV	34	543	0.23%	0.124%
28	6.536	6.488	6.545	VV	36	601	0.25%	0.137%
29	6.551	6.545	6.563	VV	21	173	0.07%	0.039%
30	6.577	6.563	6.591	VV	23	258	0.11%	0.059%
31	6.597	6.591	6.606	VV	21	138	0.06%	0.031%
32	6.618	6.606	6.638	VV	32	383	0.16%	0.087%
33	6.659	6.638	6.674	VV	26	332	0.14%	0.075%
34	6.739	6.674	6.758	VV	32	1015	0.42%	0.231%
35	6.767	6.758	6.772	VV	19	123	0.05%	0.028%
36	6.778	6.772	6.802	VV	22	258	0.11%	0.059%

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37	6.812	6.802	6.817	VV	24	155	0.06%	0.035%
38	6.831	6.817	6.839	VV	30	295	0.12%	0.067%
39	6.858	6.839	6.883	VV	26	605	0.25%	0.138%
40	6.892	6.883	6.942	VV	31	863	0.36%	0.196%
41	6.950	6.942	6.964	VV	29	343	0.14%	0.078%
42	6.985	6.964	6.998	VV	47	714	0.30%	0.162%
43	7.012	6.998	7.021	VV	50	496	0.21%	0.113%
44	7.036	7.021	7.056	VV	46	769	0.32%	0.175%
45	7.059	7.056	7.108	VV	42	814	0.34%	0.185%
46	7.125	7.108	7.135	PV	24	289	0.12%	0.066%
47	7.183	7.135	7.195	VV	40	867	0.36%	0.197%
48	7.205	7.195	7.223	VV	31	413	0.17%	0.094%
49	7.239	7.223	7.304	VV	25	895	0.37%	0.204%
50	7.325	7.304	7.335	VV	33	345	0.14%	0.079%
51	7.348	7.335	7.356	VV	40	366	0.15%	0.083%
52	7.366	7.356	7.387	VV	54	700	0.29%	0.159%
53	7.392	7.387	7.403	VV	45	322	0.13%	0.073%
54	7.412	7.403	7.421	VV	39	306	0.13%	0.070%
55	7.444	7.421	7.456	VV	35	570	0.24%	0.130%
56	7.547	7.456	7.566	VV	145	5599	2.33%	1.275%
57	7.580	7.566	7.595	VV	131	2051	0.85%	0.467%
58	7.603	7.595	7.644	VV	95	2166	0.90%	0.493%
59	7.657	7.644	7.684	VV	64	1218	0.51%	0.277%
60	7.693	7.684	7.717	VV	51	742	0.31%	0.169%
61	7.728	7.717	7.770	VV	41	873	0.36%	0.199%
62	7.783	7.770	7.819	VV	35	758	0.32%	0.172%
63	7.832	7.819	7.852	VV	32	511	0.21%	0.116%
64	7.968	7.852	7.979	VV	80	4210	1.75%	0.958%
65	8.000	7.979	8.014	VV	103	1789	0.74%	0.407%
66	8.020	8.014	8.044	VV	99	1623	0.68%	0.369%
67	8.058	8.044	8.073	VV	98	1575	0.66%	0.359%
68	8.080	8.073	8.093	VV	94	1032	0.43%	0.235%
69	8.130	8.093	8.154	VV	99	3088	1.29%	0.703%
70	8.164	8.154	8.172	VV	73	751	0.31%	0.171%
71	8.187	8.172	8.195	VV	75	982	0.41%	0.223%
72	8.201	8.195	8.217	VV	73	900	0.37%	0.205%
73	8.232	8.217	8.260	VV	71	1752	0.73%	0.399%
74	8.274	8.260	8.328	VV	78	2400	1.00%	0.546%
75	8.351	8.328	8.368	VV	67	1350	0.56%	0.307%
76	8.399	8.368	8.416	VV	64	1603	0.67%	0.365%
77	8.426	8.416	8.454	VV	61	1125	0.47%	0.256%
78	8.463	8.454	8.476	VV	45	415	0.17%	0.095%
79	8.482	8.476	8.498	VV	35	400	0.17%	0.091%
80	8.507	8.498	8.519	VV	38	406	0.17%	0.092%
81	8.530	8.519	8.553	VV	51	612	0.25%	0.139%
82	8.573	8.553	8.583	VV	21	208	0.09%	0.047%
83	8.789	8.583	8.936	PV	4238	240219	100.00%	54.676%
84	8.945	8.936	8.976	VV	42	766	0.32%	0.174%
85	8.984	8.976	9.024	VV	36	556	0.23%	0.127%
86	9.044	9.024	9.107	PB	15	309	0.13%	0.070%
87	9.162	9.110	9.220	BB	-0	-127	-0.05%	-0.029%
88	9.275	9.224	9.291	BV	13	134	0.06%	0.031%
89	9.313	9.291	9.325	VV	29	420	0.17%	0.096%

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90	9.366	9.325	9.400	VV	43	1040	0.43%	0.237%
91	9.409	9.400	9.441	VV	28	434	0.18%	0.099%
92	9.457	9.441	9.466	VV	17	235	0.10%	0.054%
93	9.475	9.466	9.510	VV	22	465	0.19%	0.106%
94	9.522	9.510	9.545	PV	18	201	0.08%	0.046%
95	9.563	9.545	9.573	VV	25	213	0.09%	0.049%
96	9.587	9.573	9.612	VV	21	309	0.13%	0.070%
97	9.623	9.612	9.650	VV	17	282	0.12%	0.064%
98	9.658	9.650	9.708	VV	19	449	0.19%	0.102%
99	9.721	9.708	9.734	VV	15	164	0.07%	0.037%
100	9.744	9.734	9.756	VV	18	171	0.07%	0.039%
101	9.765	9.756	9.793	VV	19	342	0.14%	0.078%
102	9.804	9.793	9.840	VV	25	577	0.24%	0.131%
103	9.868	9.840	9.884	VV	46	745	0.31%	0.170%
104	9.892	9.884	9.914	VV	29	354	0.15%	0.080%
105	9.927	9.914	9.958	VV	44	543	0.23%	0.124%
106	9.980	9.958	9.989	VV	32	283	0.12%	0.065%
107	10.005	9.989	10.029	VV	31	369	0.15%	0.084%
108	10.036	10.029	10.045	VV	13	81	0.03%	0.018%
109	10.054	10.045	10.068	PV	24	199	0.08%	0.045%
110	10.078	10.068	10.090	VV	23	202	0.08%	0.046%
111	10.126	10.090	10.156	VV	27	700	0.29%	0.159%
112	10.174	10.156	10.192	VV	36	432	0.18%	0.098%
113	10.303	10.192	10.310	VV	90	2995	1.25%	0.682%
114	10.382	10.310	10.499	VV	153	12565	5.23%	2.860%
115	10.509	10.499	10.524	VV	84	1041	0.43%	0.237%
116	10.534	10.524	10.557	VV	62	1089	0.45%	0.248%
117	10.569	10.557	10.591	VV	75	1329	0.55%	0.303%
118	10.612	10.591	10.625	VV	78	1363	0.57%	0.310%
119	10.633	10.625	10.672	VV	72	1405	0.58%	0.320%
120	10.679	10.672	10.705	VV	35	495	0.21%	0.113%
121	10.715	10.705	10.725	VV	29	278	0.12%	0.063%
122	10.758	10.725	10.774	VV	47	793	0.33%	0.180%
123	10.804	10.774	10.850	VV	42	1360	0.57%	0.310%
124	10.860	10.850	10.894	VV	36	584	0.24%	0.133%
125	10.906	10.894	10.917	VV	17	184	0.08%	0.042%
126	10.949	10.917	10.958	VV	30	605	0.25%	0.138%
127	10.970	10.958	10.979	VV	44	418	0.17%	0.095%
128	10.985	10.979	11.013	VV	35	493	0.21%	0.112%
129	11.022	11.013	11.031	VV	28	225	0.09%	0.051%
130	11.039	11.031	11.072	VV	20	362	0.15%	0.082%
131	11.081	11.072	11.099	VV	27	278	0.12%	0.063%
132	11.115	11.099	11.131	VV	46	471	0.20%	0.107%
133	11.136	11.131	11.150	VV	33	174	0.07%	0.040%
134	11.193	11.150	11.231	VV	22	560	0.23%	0.128%
135	11.237	11.231	11.244	VV	16	113	0.05%	0.026%
136	11.272	11.244	11.318	VV	25	587	0.24%	0.134%
137	11.356	11.318	11.367	VV	20	384	0.16%	0.087%
138	11.436	11.367	11.462	VV	55	1991	0.83%	0.453%
139	11.476	11.462	11.487	VV	50	536	0.22%	0.122%
140	11.505	11.487	11.534	VV	40	642	0.27%	0.146%
141	11.542	11.534	11.554	VV	23	195	0.08%	0.044%

rteres

142	11.584	11.554	11.594	VV	33	510	0.21%	0.116%
143	11.607	11.594	11.617	VV	23	232	0.10%	0.053%
144	11.633	11.617	11.675	VV	24	505	0.21%	0.115%
145	11.685	11.675	11.704	VV	18	203	0.08%	0.046%
146	11.719	11.704	11.726	VV	20	182	0.08%	0.041%
147	11.741	11.726	11.766	VV	27	471	0.20%	0.107%
148	11.773	11.766	11.784	VV	26	226	0.09%	0.051%
149	11.795	11.784	11.827	VV	26	496	0.21%	0.113%
150	11.838	11.827	11.847	VV	29	243	0.10%	0.055%
151	11.859	11.847	11.877	VV	28	386	0.16%	0.088%
152	11.920	11.877	11.933	VV	41	888	0.37%	0.202%
153	11.947	11.933	12.008	VV	25	745	0.31%	0.170%
154	12.024	12.008	12.032	VV	13	129	0.05%	0.029%
155	12.041	12.032	12.052	VV	24	178	0.07%	0.040%
156	12.062	12.052	12.092	VV	28	430	0.18%	0.098%
157	12.104	12.092	12.118	VV	15	189	0.08%	0.043%
158	12.128	12.118	12.141	VV	23	240	0.10%	0.055%
159	12.149	12.141	12.167	VV	17	201	0.08%	0.046%
160	12.178	12.167	12.213	VV	21	396	0.16%	0.090%
161	12.227	12.213	12.239	VV	22	186	0.08%	0.042%
162	12.280	12.239	12.288	VV	26	428	0.18%	0.097%
163	12.297	12.288	12.309	VV	36	306	0.13%	0.070%
164	12.333	12.309	12.369	VV	28	725	0.30%	0.165%
165	12.379	12.369	12.397	VV	22	219	0.09%	0.050%
166	12.419	12.397	12.432	VV	26	313	0.13%	0.071%
167	12.453	12.432	12.461	VV	15	182	0.08%	0.041%
168	12.493	12.461	12.508	VV	15	350	0.15%	0.080%
169	12.537	12.508	12.550	VV	28	488	0.20%	0.111%
170	12.557	12.550	12.562	VV	33	180	0.07%	0.041%
171	12.572	12.562	12.587	VV	30	387	0.16%	0.088%
172	12.627	12.587	12.648	VV	41	1069	0.44%	0.243%
173	12.659	12.648	12.668	VV	37	395	0.16%	0.090%
174	12.687	12.668	12.696	VV	40	579	0.24%	0.132%
175	12.759	12.696	12.787	VV	56	2381	0.99%	0.542%
176	12.803	12.787	12.830	VV	47	944	0.39%	0.215%
177	12.863	12.830	12.873	VV	54	929	0.39%	0.212%
178	12.882	12.873	12.888	VV	56	445	0.19%	0.101%
179	12.912	12.888	12.927	VV	56	1048	0.44%	0.239%
180	12.941	12.927	12.969	VV	42	859	0.36%	0.195%
181	12.982	12.969	12.988	VV	28	256	0.11%	0.058%
182	13.001	12.988	13.010	VV	35	345	0.14%	0.079%
183	13.021	13.010	13.035	VV	33	378	0.16%	0.086%
184	13.048	13.035	13.072	VV	49	770	0.32%	0.175%
185	13.084	13.072	13.099	VV	30	402	0.17%	0.092%
186	13.105	13.099	13.110	VV	29	150	0.06%	0.034%
187	13.128	13.110	13.135	VV	30	378	0.16%	0.086%
188	13.177	13.135	13.265	VV	62	3199	1.33%	0.728%
189	13.278	13.265	13.294	VV	30	393	0.16%	0.090%
190	13.308	13.294	13.334	VV	32	416	0.17%	0.095%
191	13.349	13.334	13.399	VV	27	645	0.27%	0.147%
192	13.407	13.399	13.416	VV	18	129	0.05%	0.029%
193	13.434	13.416	13.445	VV	28	342	0.14%	0.078%
194	13.453	13.445	13.485	VV	32	511	0.21%	0.116%

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195	13.494	13.485	13.514	VV	24	283	0.12%	0.064%
196	13.529	13.514	13.572	VV	28	686	0.29%	0.156%
197	13.581	13.572	13.638	VV	21	663	0.28%	0.151%
198	13.660	13.638	13.681	VV	20	398	0.17%	0.090%
199	13.740	13.681	13.758	VV	26	854	0.36%	0.194%
200	13.771	13.758	13.781	VV	28	275	0.11%	0.063%
201	13.805	13.781	13.819	VV	35	586	0.24%	0.133%
202	13.850	13.819	13.860	VV	40	749	0.31%	0.170%
203	13.879	13.860	13.894	VV	48	764	0.32%	0.174%
204	13.942	13.894	13.961	VV	64	1855	0.77%	0.422%
205	13.981	13.961	14.006	VV	44	910	0.38%	0.207%
206	14.083	14.006	14.095	VV	151	4934	2.05%	1.123%
207	14.114	14.095	14.126	VV	157	2723	1.13%	0.620%
208	14.134	14.126	14.156	VV	154	2552	1.06%	0.581%
209	14.164	14.156	14.270	VV	125	4324	1.80%	0.984%
210	14.277	14.270	14.299	VV	30	362	0.15%	0.082%
211	14.308	14.299	14.329	VV	21	355	0.15%	0.081%
212	14.344	14.329	14.362	VV	37	528	0.22%	0.120%
213	14.412	14.362	14.423	VV	45	1215	0.51%	0.277%
214	14.431	14.423	14.465	VV	40	573	0.24%	0.130%
215	14.471	14.465	14.495	VV	21	290	0.12%	0.066%
216	14.505	14.495	14.531	VV	20	325	0.14%	0.074%
217	14.598	14.531	14.609	VV	26	787	0.33%	0.179%
218	14.618	14.609	14.633	VV	38	282	0.12%	0.064%
219	14.641	14.633	14.650	VV	16	105	0.04%	0.024%
220	14.658	14.650	14.680	VV	18	159	0.07%	0.036%
221	14.689	14.680	14.697	VV	11	67	0.03%	0.015%
222	14.723	14.697	14.733	PV	13	160	0.07%	0.036%
223	14.755	14.733	14.785	VV	25	317	0.13%	0.072%
224	14.794	14.785	14.813	VV	25	201	0.08%	0.046%
225	14.821	14.813	14.832	VV	22	166	0.07%	0.038%
226	14.852	14.832	14.877	VV	23	382	0.16%	0.087%
227	14.891	14.877	14.914	VV	21	251	0.10%	0.057%
228	14.925	14.914	14.933	VV	18	121	0.05%	0.028%
229	14.980	14.933	14.991	VV	30	673	0.28%	0.153%
230	15.062	14.991	15.119	VV	91	4301	1.79%	0.979%
231	15.144	15.119	15.164	VV	50	668	0.28%	0.152%
232	15.223	15.164	15.236	VV	26	674	0.28%	0.154%
233	15.245	15.236	15.265	VV	30	419	0.17%	0.095%
234	15.276	15.265	15.306	VV	23	473	0.20%	0.108%
235	15.317	15.306	15.340	VV	37	456	0.19%	0.104%
236	15.351	15.340	15.364	VV	44	442	0.18%	0.101%
237	15.376	15.364	15.385	VV	42	369	0.15%	0.084%
238	15.392	15.385	15.401	VV	31	284	0.12%	0.065%
239	15.418	15.401	15.428	VV	38	527	0.22%	0.120%
240	15.432	15.428	15.450	VV	43	461	0.19%	0.105%
241	15.460	15.450	15.476	VV	41	564	0.23%	0.128%
242	15.488	15.476	15.495	VV	39	368	0.15%	0.084%
243	15.507	15.495	15.564	VV	45	1045	0.44%	0.238%
244	15.573	15.564	15.600	VV	36	377	0.16%	0.086%
245	15.613	15.600	15.624	VV	27	228	0.10%	0.052%
246	15.636	15.624	15.648	VV	29	330	0.14%	0.075%

rteres

247	15.663	15.648	15.682	VV	36	501	0.21%	0.114%
248	15.686	15.682	15.705	VV	27	296	0.12%	0.067%
249	15.734	15.705	15.768	VV	35	909	0.38%	0.207%
250	15.798	15.768	15.841	VV	54	1552	0.65%	0.353%
251	15.861	15.841	15.871	VV	29	458	0.19%	0.104%
252	15.885	15.871	15.898	VV	28	351	0.15%	0.080%
253	15.913	15.898	15.924	VV	30	355	0.15%	0.081%
254	15.952	15.924	15.963	VV	44	791	0.33%	0.180%
255	15.971	15.963	15.981	VV	37	324	0.14%	0.074%
256	15.998	15.981	16.015	VV	53	658	0.27%	0.150%
257	16.023	16.015	16.056	VV	30	443	0.18%	0.101%
258	16.074	16.056	16.083	VV	19	230	0.10%	0.052%
259	16.100	16.083	16.111	VV	33	343	0.14%	0.078%
260	16.187	16.111	16.208	PV	80	2596	1.08%	0.591%
261	16.232	16.208	16.246	VV	64	1332	0.55%	0.303%
262	16.258	16.246	16.312	VV	67	1467	0.61%	0.334%
263	16.368	16.312	16.378	VV	36	1044	0.43%	0.238%
264	16.392	16.378	16.439	VV	37	883	0.37%	0.201%
265	16.449	16.439	16.464	VV	23	296	0.12%	0.067%
266	16.471	16.464	16.500	VV	24	324	0.13%	0.074%
267	16.523	16.500	16.531	VV	19	280	0.12%	0.064%
268	16.555	16.531	16.585	VV	28	508	0.21%	0.116%
269	16.610	16.585	16.621	VV	24	390	0.16%	0.089%
270	16.630	16.621	16.642	VV	24	212	0.09%	0.048%
271	16.658	16.642	16.667	VV	18	194	0.08%	0.044%
272	16.687	16.667	16.717	VV	27	531	0.22%	0.121%
273	16.739	16.717	16.752	VV	38	511	0.21%	0.116%
274	16.848	16.752	16.862	PV	28	1194	0.50%	0.272%
275	16.874	16.862	16.884	VV	28	193	0.08%	0.044%
276	16.917	16.884	16.926	VV	18	318	0.13%	0.072%
277	16.949	16.926	16.962	VV	27	372	0.16%	0.085%
278	16.970	16.962	16.986	VV	19	142	0.06%	0.032%
279	17.000	16.986	17.039	PV	34	499	0.21%	0.114%
280	17.050	17.039	17.076	VV	32	388	0.16%	0.088%

Sum of corrected areas: 439348

FB053025.M Wed Jun 04 02:14:55 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB060225\
Data File : FB031837.D
Signal(s) : FID2B.CH
Acq On : 2 Jun 2025 12:52
Operator : YP/AJ
Sample : VBF0602S1
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
VBF0602S1

Integration File: Calibration.e
Quant Time: Jun 03 05:26:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB053025.M
Quant Title :
QLast Update : Fri May 30 15:30:47 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 g/ml
Signal Phase : RTX-502.2
Signal Info : 60mx0.53mmx3.00um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
5) s AAA-TFT	8.791	227223	18.621 ng/ml
Target Compounds			

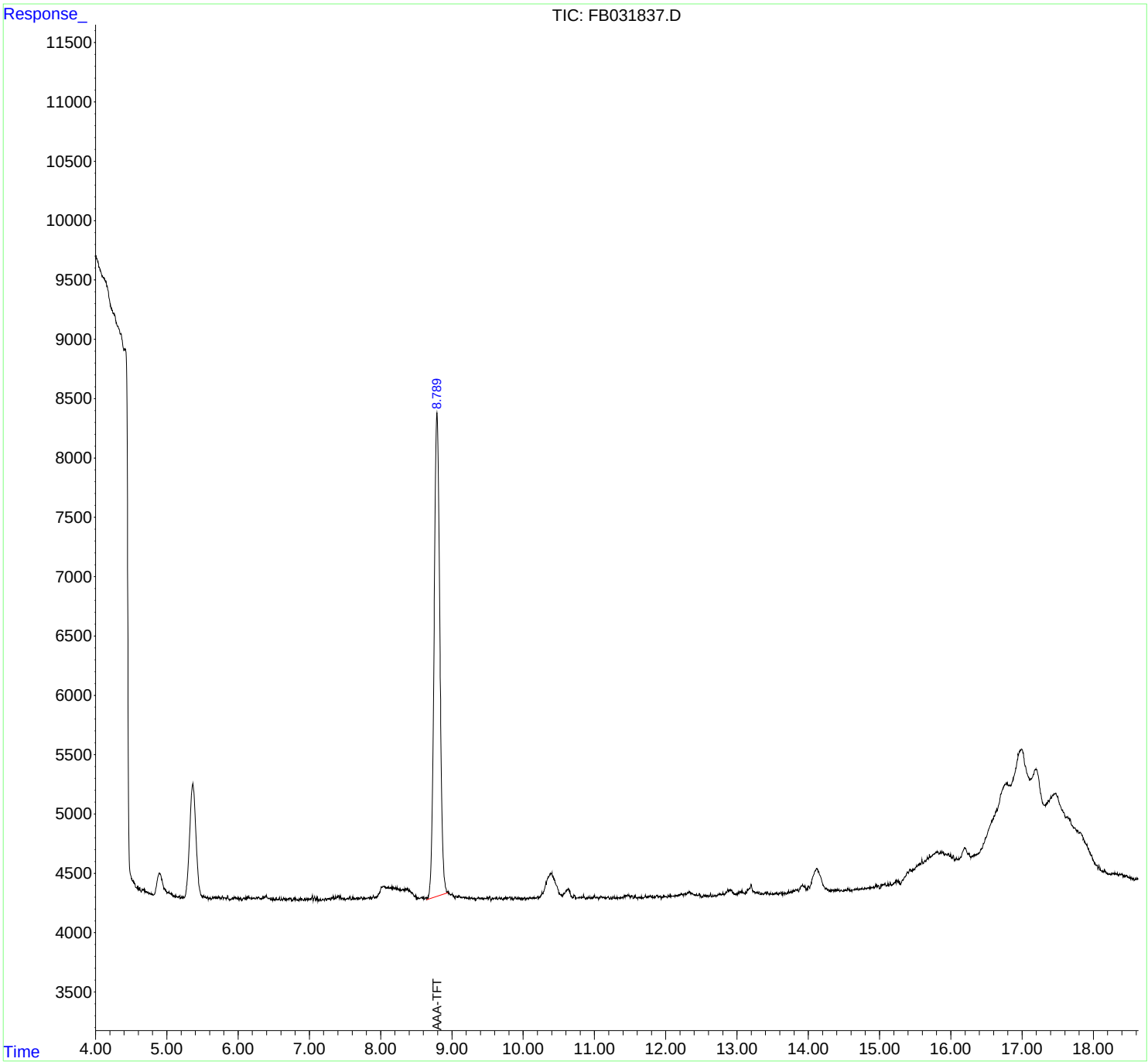
(f)=RT Delta > 1/2 Window (m)=manual int.

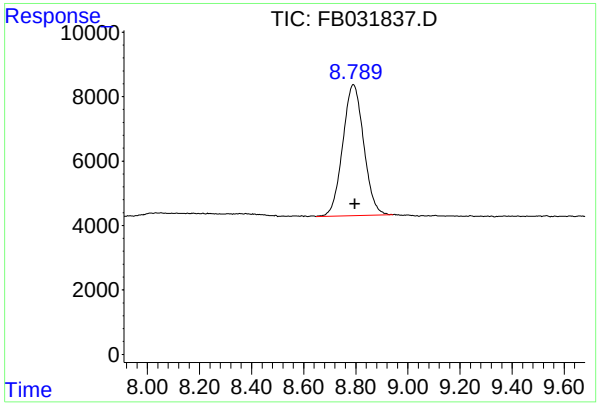
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB060225\
Data File : FB031837.D
Signal(s) : FID2B.CH
Acq On : 2 Jun 2025 12:52
Operator : YP/AJ
Sample : VBF0602S1
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
VBF0602S1

Integration File: Calibration.e
Quant Time: Jun 03 05:26:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB053025.M
Quant Title :
QLast Update : Fri May 30 15:30:47 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 g/ml
Signal Phase : RTX-502.2
Signal Info : 60mx0.53mmx3.00um





#5 AAA-TFT

R.T.: 8.791 min
Delta R.T.: -0.007 mi
Response: 227223
Conc: 18.62 ng/m

Instrument :
FID_B
ClientSampleId :
VBF0602S1

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB060225\
Data File : FB031837.D
Signal(s) : FID2B.CH
Acq On : 2 Jun 2025 12:52
Sample : VBF0602S1
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 2 Sample Multiplier: 1

Integration File: Calibration.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB053025.M
Title :

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	8.791	8.648	8.943	PV	4070	227223	100.00%	100.000%
			Sum of corrected areas:			227223		

FB053025.M Tue Jun 03 05:51:11 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB060325\
Data File : FB031857.D
Signal(s) : FID2B.CH
Acq On : 3 Jun 2025 9:55
Operator : YP/AJ
Sample : VBF0603S1
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
VBF0603S1

Integration File: Calibration.e
Quant Time: Jun 04 01:20:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB053025.M
Quant Title :
QLast Update : Fri May 30 15:30:47 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 g/ml
Signal Phase : RTX-502.2
Signal Info : 60mx0.53mmx3.00um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
5) s AAA-TFT	8.788	243047	19.918 ng/ml
Target Compounds			

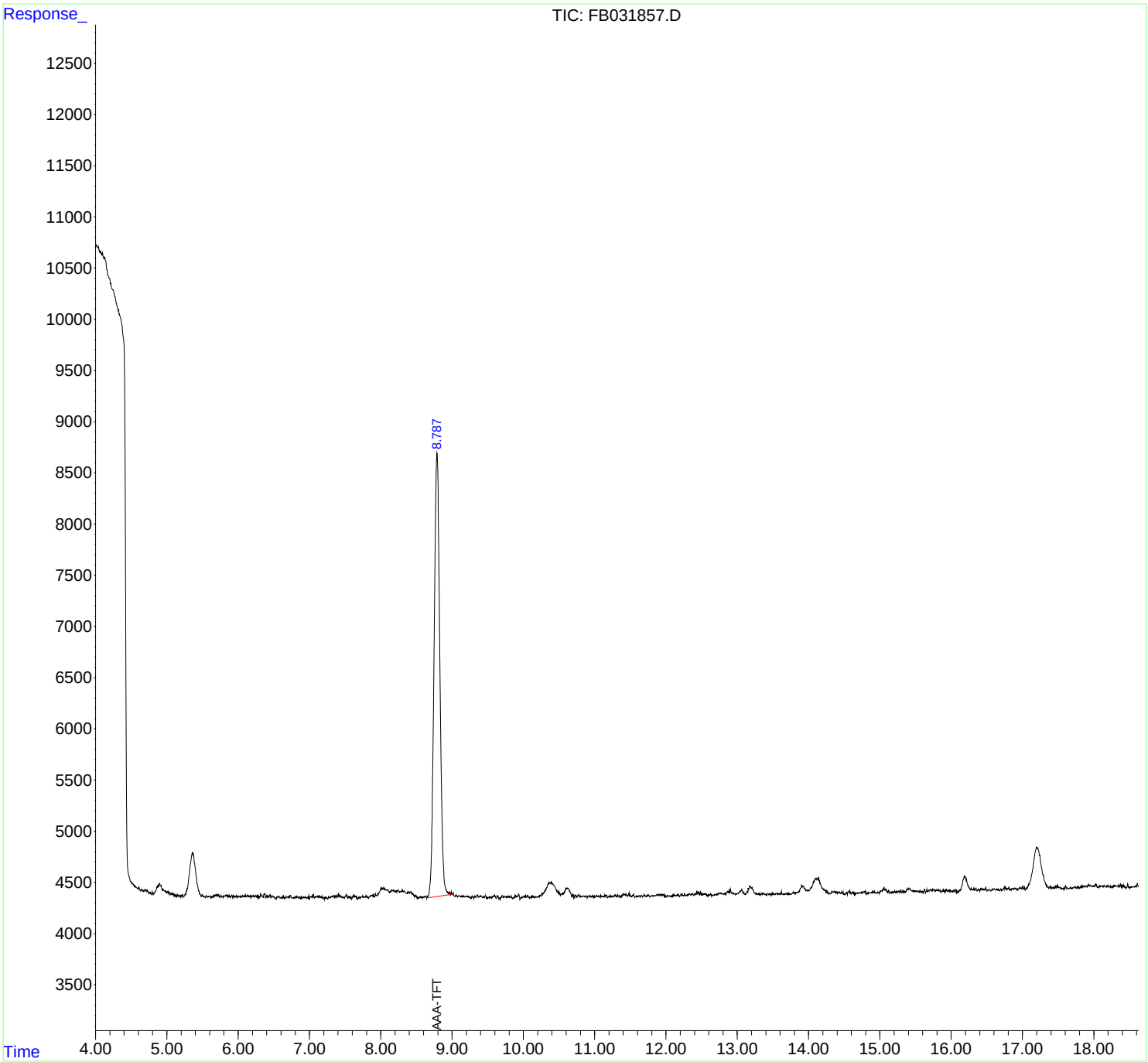
(f)=RT Delta > 1/2 Window (m)=manual int.

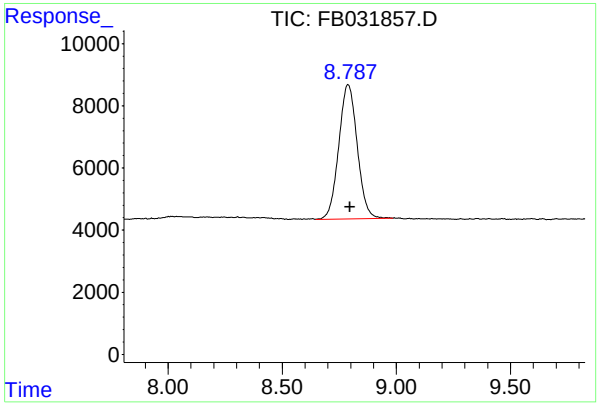
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB060325\
Data File : FB031857.D
Signal(s) : FID2B.CH
Acq On : 3 Jun 2025 9:55
Operator : YP/AJ
Sample : VBF0603S1
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
VBF0603S1

Integration File: Calibration.e
Quant Time: Jun 04 01:20:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB053025.M
Quant Title :
QLast Update : Fri May 30 15:30:47 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 g/ml
Signal Phase : RTX-502.2
Signal Info : 60mx0.53mmx3.00um





#5 AAA-TFT

R.T.: 8.788 min
Delta R.T.: -0.009 mi
Response: 243047
Conc: 19.92 ng/m

Instrument :
FID_B
ClientSampleId :
VBF0603S1

6
A
B
C
D
E
F
G
H
I

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB060325\
Data File : FB031857.D
Signal(s) : FID2B.CH
Acq On : 3 Jun 2025 9:55
Sample : VBF0603S1
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 2 Sample Multiplier: 1

Integration File: Calibration.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB053025.M
Title :

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	8.788	8.648	8.985	BV	4325	243047	100.00%	100.000%
			Sum of corrected areas:			243047		

FB053025.M Wed Jun 04 02:07:19 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB060325\
Data File : FB031858.D
Signal(s) : FID2B.CH
Acq On : 3 Jun 2025 10:23
Operator : YP/AJ
Sample : VBF0603S2 50X
Misc : 5.00G/5.00 ML MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
VBF0603S2

Integration File: Calibration.e
Quant Time: Jun 04 01:20:17 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB053025.M
Quant Title :
QLast Update : Fri May 30 15:30:47 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 g/ml
Signal Phase : RTX-502.2
Signal Info : 60mx0.53mmx3.00um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
5) s AAA-TFT	8.790	218220	17.883 ng/ml
Target Compounds			

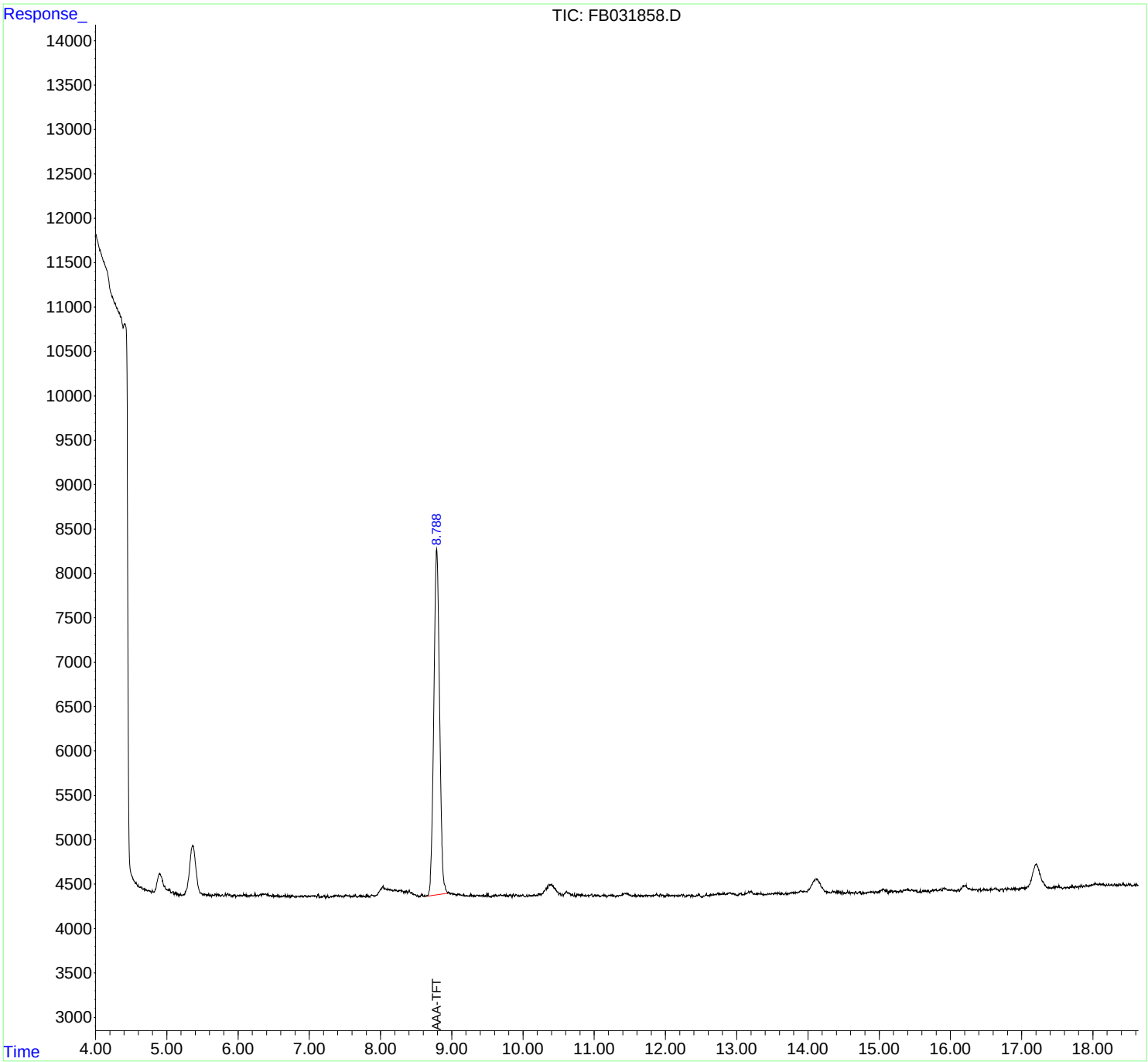
(f)=RT Delta > 1/2 Window (m)=manual int.

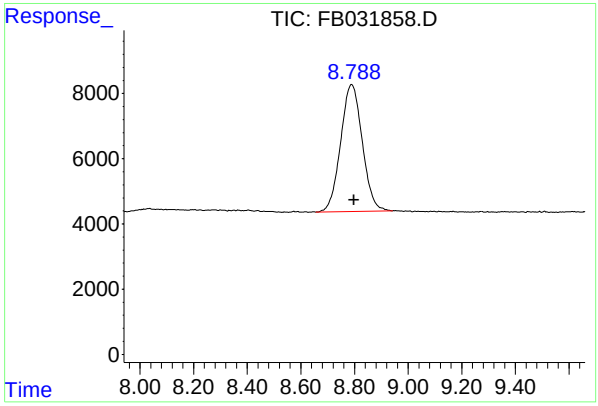
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB060325\
Data File : FB031858.D
Signal(s) : FID2B.CH
Acq On : 3 Jun 2025 10:23
Operator : YP/AJ
Sample : VBF0603S2 50X
Misc : 5.00G/5.00 ML MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
VBF0603S2

Integration File: Calibration.e
Quant Time: Jun 04 01:20:17 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB053025.M
Quant Title :
QLast Update : Fri May 30 15:30:47 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 g/ml
Signal Phase : RTX-502.2
Signal Info : 60mx0.53mmx3.00um





#5 AAA-TFT

R.T.:	8.790 min
Delta R.T.:	-0.008 mi
Response:	218220
Conc:	17.88 ng/m

Instrument :
FID_B
ClientSampleId :
VBF0603S2

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB060325\
Data File : FB031858.D
Signal(s) : FID2B.CH
Acq On : 3 Jun 2025 10:23
Sample : VBF0603S2 50X
Misc : 5.00G/5.00 ML MEOH
ALS Vial : 3 Sample Multiplier: 1

Integration File: Calibration.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB053025.M
Title :

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	8.790	8.655	8.943	PV	3899	218220	100.00%	100.000%
			Sum of corrected areas:			218220		

FB053025.M Wed Jun 04 02:07:48 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB060225\
Data File : FB031839.D
Signal(s) : FID2B.CH
Acq On : 2 Jun 2025 13:47
Operator : YP/AJ
Sample : BSF0602S1
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
BSF0602S1

Integration File: Calibration.e
Quant Time: Jun 03 05:27:09 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB053025.M
Quant Title :
QLast Update : Fri May 30 15:30:47 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 g/ml
Signal Phase : RTX-502.2
Signal Info : 60mx0.53mmx3.00um

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
5) s	AAA-TFT	8.790	339650	27.834 ng/ml
	Target Compounds			
1) t	2-Methylpentane	4.702	522195	30.665 ng/ml
2) t	2,2,4-Trimethylpentane	7.414	640910	31.153 ng/ml
3) t	n-Heptane	7.749	174231	10.187 ng/ml
4) t	Benzene	7.887	271990	13.682 ng/ml
6) t	Toluene	10.620	770275	40.962 ng/ml
7) t	Ethylbenzene	13.057	215608	14.143 ng/ml
8) t	m-Xylene	13.190	446038	26.115 ng/ml
9) t	O-Xylene	13.917	419268	26.444 ng/ml
10) t	1,2,4-Trimethylbenzene	16.193	344013	29.816 ng/ml

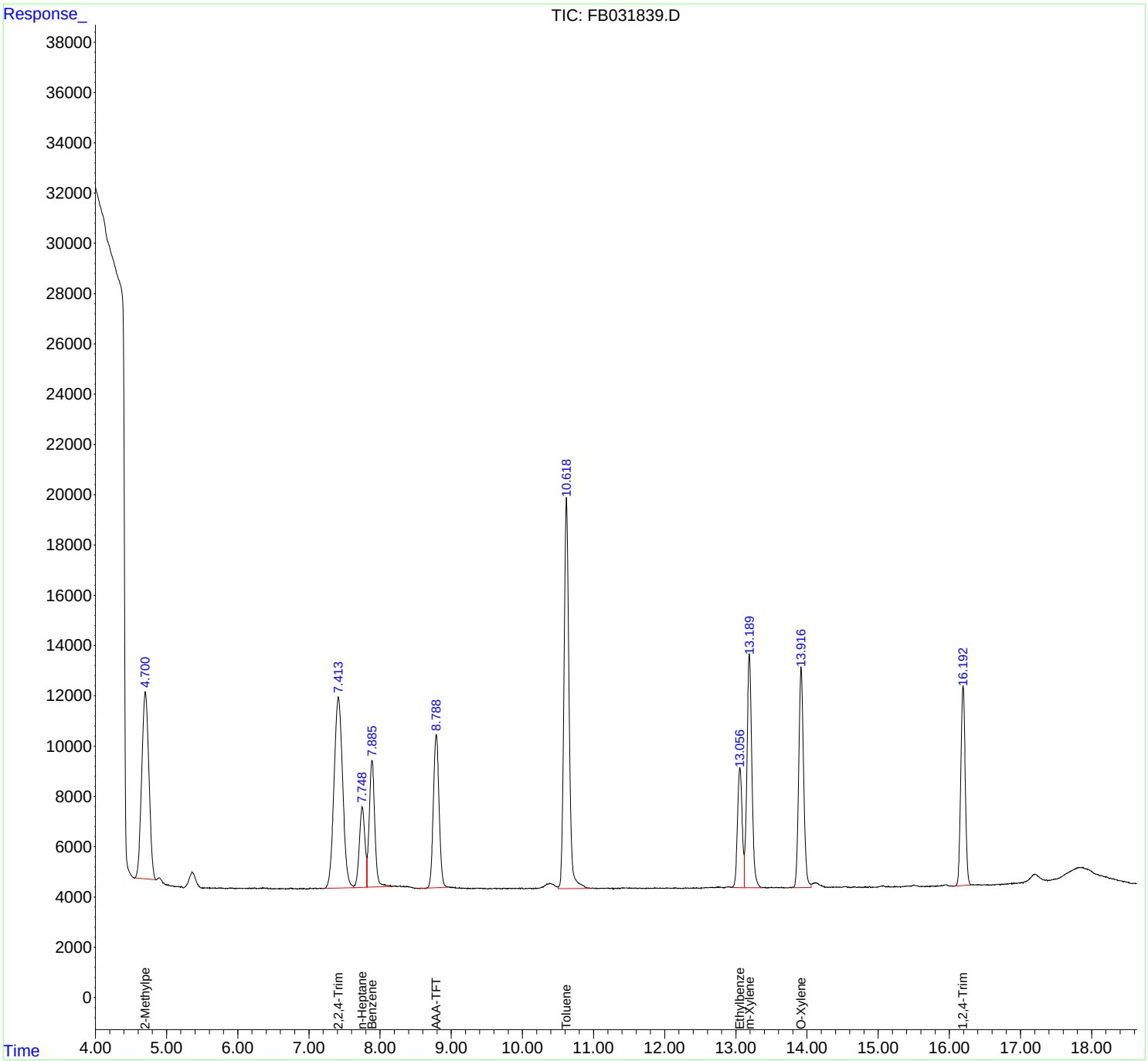
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB060225\
Data File : FB031839.D
Signal(s) : FID2B.CH
Acq On : 2 Jun 2025 13:47
Operator : YP/AJ
Sample : BSF0602S1
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
BSF0602S1

Integration File: Calibration.e
Quant Time: Jun 03 05:27:09 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB053025.M
Quant Title :
QLast Update : Fri May 30 15:30:47 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 g/ml
Signal Phase : RTX-502.2
Signal Info : 60mx0.53mmx3.00um



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB060225\
Data File : FB031839.D
Signal(s) : FID2B.CH
Acq On : 2 Jun 2025 13:47
Sample : BSF0602S1
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 4 Sample Multiplier: 1

Integration File: Calibration.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB053025.M
Title :

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.702	4.537	4.853	BV	7443	522195	67.79%	12.601%
2	7.414	7.220	7.628	PV	7606	640910	83.21%	15.465%
3	7.749	7.628	7.815	VV	3206	174231	22.62%	4.204%
4	7.887	7.815	8.183	VV	5036	271990	35.31%	6.563%
5	8.790	8.545	8.957	BV	6092	339650	44.09%	8.196%
6	10.620	10.505	10.967	VV	15580	770275	100.00%	18.587%
7	13.057	12.945	13.118	VV	4764	215608	27.99%	5.203%
8	13.190	13.118	13.370	VV	9270	446038	57.91%	10.763%
9	13.917	13.796	14.057	VV	8762	419268	54.43%	10.117%
10	16.193	16.049	16.307	BV	7941	344013	44.66%	8.301%

Sum of corrected areas: 4144179

FB053025.M Tue Jun 03 05:51:48 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB060325\
Data File : FB031859.D
Signal(s) : FID2B.CH
Acq On : 3 Jun 2025 10:51
Operator : YP/AJ
Sample : BSF0603S1
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
BSF0603S1

Integration File: Calibration.e
Quant Time: Jun 04 01:20:25 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB053025.M
Quant Title :
QLast Update : Fri May 30 15:30:47 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 g/ml
Signal Phase : RTX-502.2
Signal Info : 60mx0.53mmx3.00um

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
5) s	AAA-TFT	8.790	245621	20.129 ng/ml
	Target Compounds			
1) t	2-Methylpentane	4.702	407484	23.929 ng/ml
2) t	2,2,4-Trimethylpentane	7.413	501407	24.372 ng/ml
3) t	n-Heptane	7.749	129770	7.587 ng/ml
4) t	Benzene	7.887	208083	10.467 ng/ml
6) t	Toluene	10.619	597830	31.792 ng/ml
7) t	Ethylbenzene	13.056	171528	11.251 ng/ml
8) t	m-Xylene	13.189	355408	20.809 ng/ml
9) t	O-Xylene	13.916	341135	21.516 ng/ml
10) t	1,2,4-Trimethylbenzene	16.192	284759	24.680 ng/ml

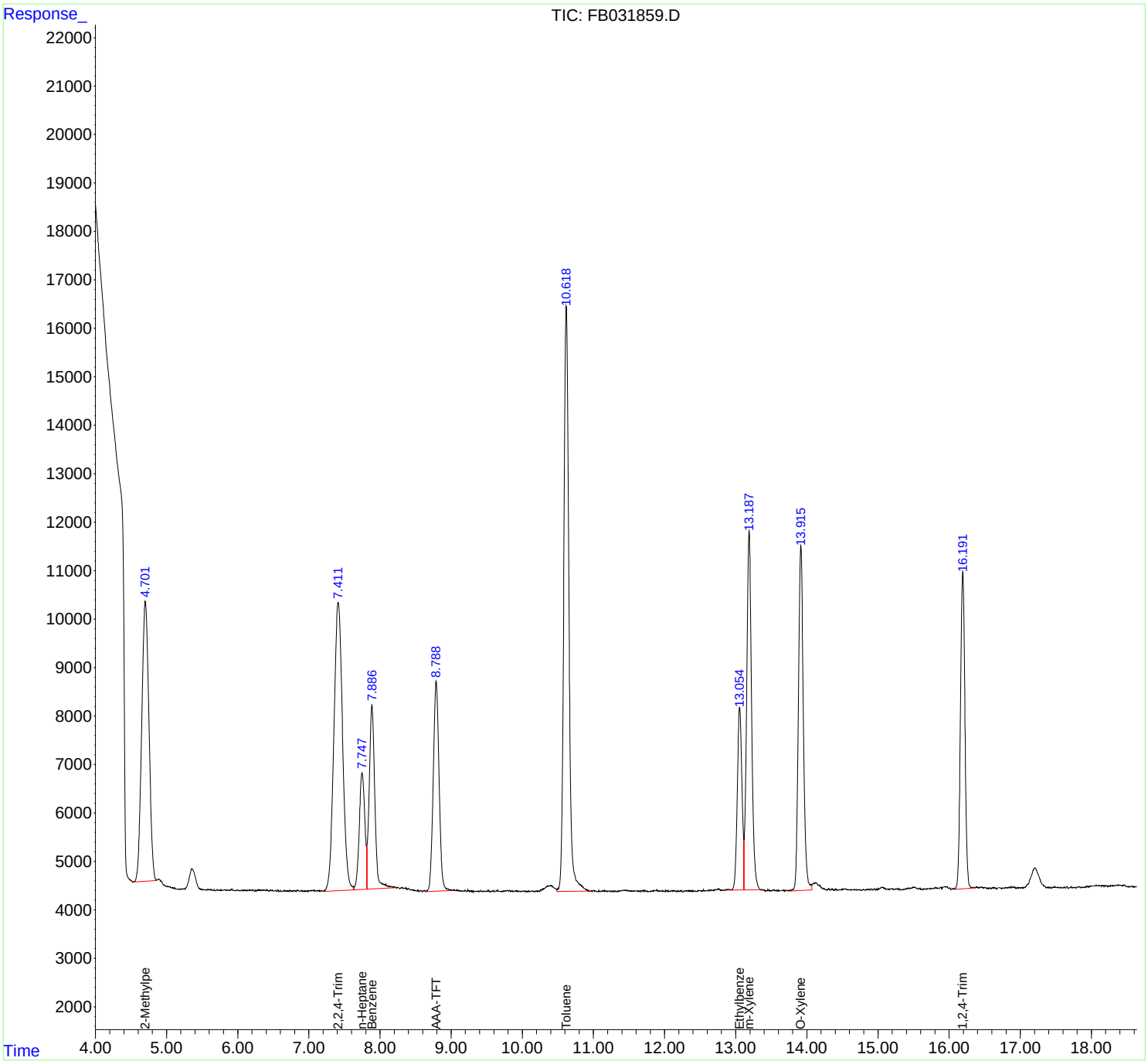
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB060325\
Data File : FB031859.D
Signal(s) : FID2B.CH
Acq On : 3 Jun 2025 10:51
Operator : YP/AJ
Sample : BSF0603S1
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
BSF0603S1

Integration File: Calibration.e
Quant Time: Jun 04 01:20:25 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB053025.M
Quant Title :
QLast Update : Fri May 30 15:30:47 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 g/ml
Signal Phase : RTX-502.2
Signal Info : 60mx0.53mmx3.00um



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB060325\
Data File : FB031859.D
Signal(s) : FID2B.CH
Acq On : 3 Jun 2025 10:51
Sample : BSF0603S1
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 4 Sample Multiplier: 1

Integration File: Calibration.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB053025.M
Title :

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.702	4.532	4.858	BV	5777	407484	68.16%	12.565%
2	7.413	7.218	7.625	PV	5951	501407	83.87%	15.461%
3	7.749	7.637	7.814	VV	2404	129770	21.71%	4.002%
4	7.887	7.814	8.222	VB	3802	208083	34.81%	6.416%
5	8.790	8.645	9.024	PV	4338	245621	41.09%	7.574%
6	10.619	10.485	10.962	VV	12073	597830	100.00%	18.434%
7	13.056	12.862	13.116	VV	3767	171528	28.69%	5.289%
8	13.189	13.116	13.352	VV	7401	355408	59.45%	10.959%
9	13.916	13.744	14.069	VV	7115	341135	57.06%	10.519%
10	16.192	16.069	16.372	PV	6533	284759	47.63%	8.781%

Sum of corrected areas: 3243025

FB053025.M Wed Jun 04 02:08:24 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB060225\
Data File : FB031845.D
Signal(s) : FID2B.CH
Acq On : 2 Jun 2025 16:33
Operator : YP/AJ
Sample : BSF0602S2
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
BSF0602S2

Integration File: Calibration.e
Quant Time: Jun 03 05:28:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB053025.M
Quant Title :
QLast Update : Fri May 30 15:30:47 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 g/ml
Signal Phase : RTX-502.2
Signal Info : 60mx0.53mmx3.00um

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
5) s	AAA-TFT	8.792	247609	20.292 ng/ml
	Target Compounds			
1) t	2-Methylpentane	4.703	558639	32.805 ng/ml
2) t	2,2,4-Trimethylpentane	7.416	693221	33.695 ng/ml
3) t	n-Heptane	7.751	191134	11.175 ng/ml
4) t	Benzene	7.889	283275	14.250 ng/ml
6) t	Toluene	10.621	831184	44.201 ng/ml
7) t	Ethylbenzene	13.057	237023	15.547 ng/ml
8) t	m-Xylene	13.191	481718	28.204 ng/ml
9) t	O-Xylene	13.918	451665	28.488 ng/ml
10) t	1,2,4-Trimethylbenzene	16.194	375667	32.559 ng/ml

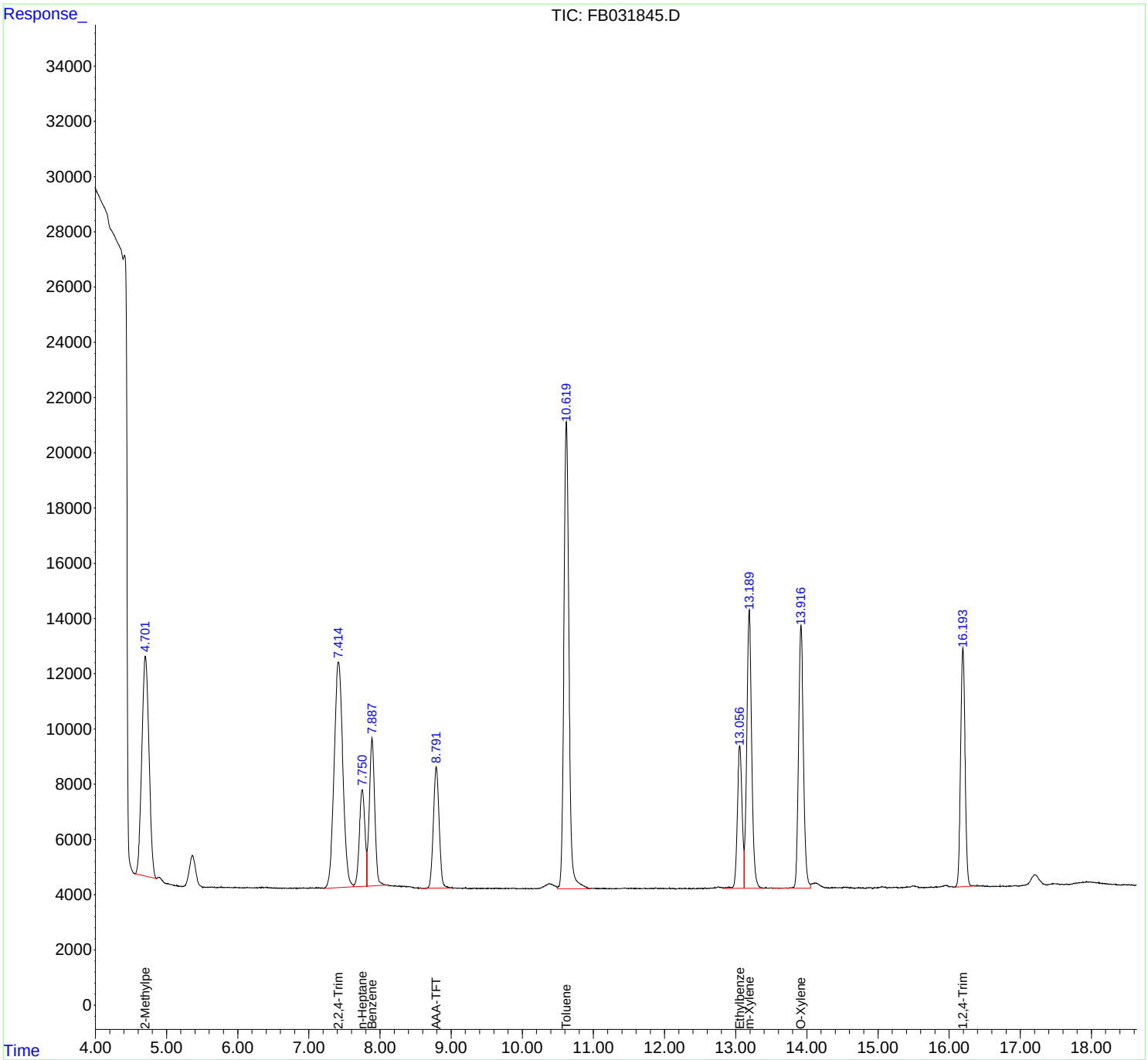
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB060225\
Data File : FB031845.D
Signal(s) : FID2B.CH
Acq On : 2 Jun 2025 16:33
Operator : YP/AJ
Sample : BSF0602S2
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
BSF0602S2

Integration File: Calibration.e
Quant Time: Jun 03 05:28:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB053025.M
Quant Title :
QLast Update : Fri May 30 15:30:47 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 g/ml
Signal Phase : RTX-502.2
Signal Info : 60mx0.53mmx3.00um



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB060225\
Data File : FB031845.D
Signal(s) : FID2B.CH
Acq On : 2 Jun 2025 16:33
Sample : BSF0602S2
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 12 Sample Multiplier: 1

Integration File: Calibration.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB053025.M
Title :

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.703	4.551	4.858	BV	7970	558639	67.21%	12.839%
2	7.416	7.208	7.630	PV	8170	693221	83.40%	15.932%
3	7.751	7.630	7.817	VV	3505	191134	23.00%	4.393%
4	7.889	7.817	8.091	VV	5361	283275	34.08%	6.510%
5	8.792	8.559	9.007	BV	4398	247609	29.79%	5.691%
6	10.621	10.496	10.952	VV	16901	831184	100.00%	19.103%
7	13.057	12.826	13.119	VV	5166	237023	28.52%	5.447%
8	13.191	13.119	13.399	VV	10076	481718	57.96%	11.071%
9	13.918	13.480	14.053	BV	9503	451665	54.34%	10.380%
10	16.194	16.069	16.403	PBA	8642	375667	45.20%	8.634%

Sum of corrected areas: 4351135

FB053025.M Tue Jun 03 05:52:19 2025

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

Manual Integration Report

Sample ID	ClientId ID	File ID	Sequence ID	Parameter	Supervised By	Supervised On	Reason
5 GRO STD		FB031830.D	FB053025	Benzene	mohammad	6/3/2025 2:03:52 AM	Peak Integrated by Software incorrectly
5 GRO STD		FB031830.D	FB053025	n-Heptane	mohammad	6/3/2025 2:03:52 AM	Peak Integrated by Software incorrectly
10 GRO STD		FB031831.D	FB053025	1,2,4-Trimethylbenzene	mohammad	6/3/2025 2:03:52 AM	Peak Integrated by Software incorrectly
10 GRO STD		FB031831.D	FB053025	AAA-TFT	mohammad	6/3/2025 2:03:52 AM	Peak Integrated by Software incorrectly
10 GRO STD		FB031831.D	FB053025	Benzene	mohammad	6/3/2025 2:03:52 AM	Peak Integrated by Software incorrectly
10 GRO STD		FB031831.D	FB053025	n-Heptane	mohammad	6/3/2025 2:03:52 AM	Peak Integrated by Software incorrectly
FB053025GROICV		FB031835.D	FB053025	1,2,4-Trimethylbenzene	mohammad	6/3/2025 2:03:52 AM	Peak Integrated by Software incorrectly

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Manual Integration Report

Sample ID	ClientId ID	File ID	Sequence ID	Parameter	Supervised By	Supervised On	Reason
20 PPB GRO STD		FB031846.D	FB060225	AAA-TFT	mohammad	6/4/2025 3:11:28 AM	Peak Integrated by Software incorrectly
20 PPB GRO STD		FB031846.D	FB060225	Benzene	mohammad	6/4/2025 3:11:28 AM	Peak Integrated by Software incorrectly

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Manual Integration Report

Sample ID	ClientId ID	File ID	Sequence ID	Parameter	Supervised By	Supervised On	Reason
Q2126-09		FB031864.D	FB060325	2,2,4-Trimethylpentane	mohammad	6/5/2025 1:35:21 AM	Peak Integrated by Software incorrectly
Q2126-09		FB031864.D	FB060325	Benzene	mohammad	6/5/2025 1:35:21 AM	Peak Integrated by Software incorrectly
Q2126-09		FB031864.D	FB060325	n-Heptane	mohammad	6/5/2025 1:35:21 AM	Peak Integrated by Software incorrectly
Q2126-09		FB031864.D	FB060325	O-Xylene	mohammad	6/5/2025 1:35:21 AM	Peak Integrated by Software incorrectly
Q2176-07		FB031873.D	FB060325	AAA-TFT	mohammad	6/5/2025 1:35:21 AM	Peak Integrated by Software incorrectly

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Fax : 908 789 8922

Instrument ID: FID_B

Daily Analysis Runlog For Sequence/QCBatch ID # FB053025

Review By	yogesh	Review On	5/30/2025 3:36:07 PM		
Supervise By	mohammad	Supervise On	6/3/2025 2:03:52 AM		
SubDirectory	FB053025	HP Acquire Method		HP Processing Method	FB053025

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24110,PP24606,PP24607,PP24608,PP24609,PP24610
CCC	
Internal Standard/PEM	
ICV/I.BLK	PP24111,PP24611
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	5 GRO STD	FB031830.D	30 May 2025 10:13	YP/AJ	Ok,M
2	10 GRO STD	FB031831.D	30 May 2025 10:41	YP/AJ	Ok,M
3	20 GRO STD	FB031832.D	30 May 2025 11:08	YP/AJ	Ok
4	50 GRO STD	FB031833.D	30 May 2025 11:36	YP/AJ	Ok
5	100 GRO STD	FB031834.D	30 May 2025 12:12	YP/AJ	Ok
6	FB053025GROICV	FB031835.D	30 May 2025 15:26	YP/AJ	Ok,M

M : Manual Integration

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

Instrument ID: FID_B

Daily Analysis Runlog For Sequence/QCBatch ID # FB060225

Review By	yogesh	Review On	6/2/2025 4:01:19 PM		
Supervise By	mohammad	Supervise On	6/4/2025 3:11:28 AM		
SubDirectory	FB060225	HP Acquire Method		HP Processing Method	FB053025

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24110,PP24606,PP24607,PP24608,PP24609,PP24610
CCC	PP24612,PP24613,PP24614
Internal Standard/PEM	
ICV/I.BLK	PP24111,PP24611
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	20 PPB GRO STD	FB031836.D	2 Jun 2025 12:00	YP/AJ	Ok
2	VBF0602S1	FB031837.D	2 Jun 2025 12:52	YP/AJ	Ok
3	VBF0602S2	FB031838.D	2 Jun 2025 13:20	YP/AJ	Ok
4	BSF0602S1	FB031839.D	2 Jun 2025 13:47	YP/AJ	Ok
5	Q2150-01	FB031840.D	2 Jun 2025 14:15	YP/AJ	Ok
6	Q2150-02	FB031841.D	2 Jun 2025 14:43	YP/AJ	Not Ok
7	Q2150-03	FB031842.D	2 Jun 2025 15:10	YP/AJ	Ok
8	Q2150-04	FB031843.D	2 Jun 2025 15:38	YP/AJ	Ok
9	Q2150-05	FB031844.D	2 Jun 2025 16:06	YP/AJ	Ok
10	BSF0602S2	FB031845.D	2 Jun 2025 16:33	YP/AJ	Ok
11	20 PPB GRO STD	FB031846.D	2 Jun 2025 17:00	YP/AJ	Ok,M
12	Q2150-06	FB031847.D	2 Jun 2025 17:55	YP/AJ	Ok
13	Q2150-07	FB031848.D	2 Jun 2025 18:23	YP/AJ	Ok
14	Q2150-08	FB031849.D	2 Jun 2025 18:50	YP/AJ	Ok
15	Q2150-09	FB031850.D	2 Jun 2025 19:18	YP/AJ	Not Ok
16	Q2150-10	FB031851.D	2 Jun 2025 19:45	YP/AJ	Not Ok
17	Q2150-02	FB031852.D	2 Jun 2025 20:12	YP/AJ	Ok
18	Q2150-04	FB031853.D	2 Jun 2025 20:39	YP/AJ	Not Ok
19	BSF0602S3	FB031854.D	2 Jun 2025 21:07	YP/AJ	Ok
20	20 PPB GRO STD	FB031855.D	2 Jun 2025 21:34	YP/AJ	Ok

M : Manual Integration

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

Instrument ID: FID_B

Daily Analysis Runlog For Sequence/QCBatch ID # FB060325

Review By	yogesh	Review On	6/3/2025 11:24:47 AM		
Supervise By	mohammad	Supervise On	6/5/2025 1:35:21 AM		
SubDirectory	FB060325	HP Acquire Method		HP Processing Method	FB053025

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24110,PP24606,PP24607,PP24608,PP24609,PP24610
CCC	PP24615,PP24616,PP24617
Internal Standard/PEM	
ICV/I.BLK	PP24111,PP24611
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	20 PPB GRO STD	FB031856.D	3 Jun 2025 9:12	YP/AJ	Ok
2	VBF0603S1	FB031857.D	3 Jun 2025 9:55	YP/AJ	Ok
3	VBF0603S2	FB031858.D	3 Jun 2025 10:23	YP/AJ	Ok
4	BSF0603S1	FB031859.D	3 Jun 2025 10:51	YP/AJ	Ok
5	Q2150-09	FB031860.D	3 Jun 2025 11:18	YP/AJ	Ok
6	Q2150-10	FB031861.D	3 Jun 2025 11:46	YP/AJ	Not Ok
7	Q2150-04	FB031862.D	3 Jun 2025 12:38	YP/AJ	Not Ok
8	Q2150-10	FB031863.D	3 Jun 2025 13:05	YP/AJ	Ok
9	Q2126-09	FB031864.D	3 Jun 2025 13:33	YP/AJ	Ok,M
10	BSF0603S2	FB031865.D	3 Jun 2025 14:24	YP/AJ	Ok
11	20 PPB GRO STD	FB031866.D	3 Jun 2025 14:52	YP/AJ	Ok
12	Q2176-01	FB031867.D	3 Jun 2025 15:52	YP/AJ	Not Ok
13	Q2176-02	FB031868.D	3 Jun 2025 16:20	YP/AJ	Ok
14	Q2176-03	FB031869.D	3 Jun 2025 16:48	YP/AJ	Ok
15	Q2176-04	FB031870.D	3 Jun 2025 17:15	YP/AJ	Ok
16	Q2176-05	FB031871.D	3 Jun 2025 17:43	YP/AJ	Ok
17	Q2176-06	FB031872.D	3 Jun 2025 18:10	YP/AJ	Ok
18	Q2176-07	FB031873.D	3 Jun 2025 18:38	YP/AJ	Ok,M
19	Q2176-08	FB031874.D	3 Jun 2025 19:06	YP/AJ	Not Ok
20	BSF0603S3	FB031875.D	3 Jun 2025 19:33	YP/AJ	Ok
21	20 PPB GRO STD	FB031876.D	3 Jun 2025 20:01	YP/AJ	Ok

M : Manual Integration

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Instrument ID: FID_B

Daily Analysis Runlog For Sequence/QCBatch ID # FB053025

Review By	yogesh	Review On	5/30/2025 3:36:07 PM		
Supervise By	mohammad	Supervise On	6/3/2025 2:03:52 AM		
SubDirectory	FB053025	HP Acquire Method		HP Processing Method	FB053025

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24110,PP24606,PP24607,PP24608,PP24609,PP24610
CCC	
Internal Standard/PEM	
ICV/I.BLK	PP24111,PP24611
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	5 GRO STD		FB031830.D	30 May 2025 10:13		YP/AJ	Ok,M
2	10 GRO STD		FB031831.D	30 May 2025 10:41		YP/AJ	Ok,M
3	20 GRO STD		FB031832.D	30 May 2025 11:08		YP/AJ	Ok
4	50 GRO STD		FB031833.D	30 May 2025 11:36		YP/AJ	Ok
5	100 GRO STD		FB031834.D	30 May 2025 12:12		YP/AJ	Ok
6	FB053025GROICV		FB031835.D	30 May 2025 15:26		YP/AJ	Ok,M

M : Manual Integration

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Instrument ID: FID_B

Daily Analysis Runlog For Sequence/QCBatch ID # FB060225

Review By	yogesh	Review On	6/2/2025 4:01:19 PM		
Supervise By	mohammad	Supervise On	6/4/2025 3:11:28 AM		
SubDirectory	FB060225	HP Acquire Method		HP Processing Method	FB053025

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24110,PP24606,PP24607,PP24608,PP24609,PP24610
CCC	PP24612,PP24613,PP24614
Internal Standard/PEM	
ICV/I.BLK	PP24111,PP24611
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	20 PPB GRO STD		FB031836.D	2 Jun 2025 12:00		YP/AJ	Ok
2	VBF0602S1		FB031837.D	2 Jun 2025 12:52		YP/AJ	Ok
3	VBF0602S2		FB031838.D	2 Jun 2025 13:20		YP/AJ	Ok
4	BSF0602S1		FB031839.D	2 Jun 2025 13:47		YP/AJ	Ok
5	Q2150-01		FB031840.D	2 Jun 2025 14:15	Vial-A	YP/AJ	Ok
6	Q2150-02		FB031841.D	2 Jun 2025 14:43	Vial-A, Not Purged	YP/AJ	Not Ok
7	Q2150-03		FB031842.D	2 Jun 2025 15:10	Vial-A	YP/AJ	Ok
8	Q2150-04		FB031843.D	2 Jun 2025 15:38	Vial-A, Surr Fail	YP/AJ	Ok
9	Q2150-05		FB031844.D	2 Jun 2025 16:06	Vial-A	YP/AJ	Ok
10	BSF0602S2		FB031845.D	2 Jun 2025 16:33		YP/AJ	Ok
11	20 PPB GRO STD		FB031846.D	2 Jun 2025 17:00		YP/AJ	Ok,M
12	Q2150-06		FB031847.D	2 Jun 2025 17:55	Vial-A	YP/AJ	Ok
13	Q2150-07		FB031848.D	2 Jun 2025 18:23	Vial-A	YP/AJ	Ok
14	Q2150-08		FB031849.D	2 Jun 2025 18:50	Vial-A	YP/AJ	Ok
15	Q2150-09		FB031850.D	2 Jun 2025 19:18	Vial-A, Not Purged	YP/AJ	Not Ok
16	Q2150-10		FB031851.D	2 Jun 2025 19:45	Vial-A, Not Purged	YP/AJ	Not Ok
17	Q2150-02		FB031852.D	2 Jun 2025 20:12	Vial-B	YP/AJ	Ok
18	Q2150-04		FB031853.D	2 Jun 2025 20:39	Vial-B, Not Purged	YP/AJ	Not Ok

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Instrument ID: FID_B

Daily Analysis Runlog For Sequence/QCBatch ID # FB060225

Review By	yogesh	Review On	6/2/2025 4:01:19 PM		
Supervise By	mohammad	Supervise On	6/4/2025 3:11:28 AM		
SubDirectory	FB060225	HP Acquire Method		HP Processing Method	FB053025

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24110,PP24606,PP24607,PP24608,PP24609,PP24610
CCC	PP24612,PP24613,PP24614
Internal Standard/PEM	
ICV/I.BLK	PP24111,PP24611
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	BSF0602S3		FB031854.D	2 Jun 2025 21:07		YP/AJ	Ok
20	20 PPB GRO STD		FB031855.D	2 Jun 2025 21:34		YP/AJ	Ok

M : Manual Integration

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Instrument ID: FID_B

Daily Analysis Runlog For Sequence/QCBatch ID # FB060325

Review By	yogesh	Review On	6/3/2025 11:24:47 AM		
Supervise By	mohammad	Supervise On	6/5/2025 1:35:21 AM		
SubDirectory	FB060325	HP Acquire Method		HP Processing Method	FB053025

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24110,PP24606,PP24607,PP24608,PP24609,PP24610
CCC	PP24615,PP24616,PP24617
Internal Standard/PEM	
ICV/I.BLK	PP24111,PP24611
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	20 PPB GRO STD		FB031856.D	3 Jun 2025 9:12		YP/AJ	Ok
2	VBF0603S1		FB031857.D	3 Jun 2025 9:55		YP/AJ	Ok
3	VBF0603S2		FB031858.D	3 Jun 2025 10:23		YP/AJ	Ok
4	BSF0603S1		FB031859.D	3 Jun 2025 10:51		YP/AJ	Ok
5	Q2150-09		FB031860.D	3 Jun 2025 11:18	Vial- B	YP/AJ	Ok
6	Q2150-10		FB031861.D	3 Jun 2025 11:46	Vial- B, Not Purged	YP/AJ	Not Ok
7	Q2150-04		FB031862.D	3 Jun 2025 12:38	Vial- C,not required	YP/AJ	Not Ok
8	Q2150-10		FB031863.D	3 Jun 2025 13:05	VIal-C	YP/AJ	Ok
9	Q2126-09		FB031864.D	3 Jun 2025 13:33	Vial- A	YP/AJ	Ok,M
10	BSF0603S2		FB031865.D	3 Jun 2025 14:24		YP/AJ	Ok
11	20 PPB GRO STD		FB031866.D	3 Jun 2025 14:52		YP/AJ	Ok
12	Q2176-01		FB031867.D	3 Jun 2025 15:52	Vial-A, Not purge	YP/AJ	Not Ok
13	Q2176-02		FB031868.D	3 Jun 2025 16:20	Vial-A	YP/AJ	Ok
14	Q2176-03		FB031869.D	3 Jun 2025 16:48	Vial-A	YP/AJ	Ok
15	Q2176-04		FB031870.D	3 Jun 2025 17:15	Vial-A	YP/AJ	Ok
16	Q2176-05		FB031871.D	3 Jun 2025 17:43	Vial-A	YP/AJ	Ok
17	Q2176-06		FB031872.D	3 Jun 2025 18:10	Vial-A	YP/AJ	Ok
18	Q2176-07		FB031873.D	3 Jun 2025 18:38	Vial-A	YP/AJ	Ok,M

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Instrument ID: FID_B

Daily Analysis Runlog For Sequence/QCBatch ID # FB060325

Review By	yogesh	Review On	6/3/2025 11:24:47 AM		
Supervise By	mohammad	Supervise On	6/5/2025 1:35:21 AM		
SubDirectory	FB060325	HP Acquire Method		HP Processing Method	FB053025

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24110,PP24606,PP24607,PP24608,PP24609,PP24610
CCC	PP24615,PP24616,PP24617
Internal Standard/PEM	
ICV/I.BLK	PP24111,PP24611
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q2176-08		FB031874.D	3 Jun 2025 19:06	Vial-A, Not Purged	YP/AJ	Not Ok
20	BSF0603S3		FB031875.D	3 Jun 2025 19:33		YP/AJ	Ok
21	20 PPB GRO STD		FB031876.D	3 Jun 2025 20:01		YP/AJ	Ok

M : Manual Integration

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LAB CHRONICLE

OrderID:	Q2150	**OrderDate:**	5/28/2025 3:53:00 PM
Client:	CDM Smith	**Project:**	South River WM Replacement
Contact:	Marcie Ann Encinas	**Location:**	L41,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2150-01	**TP-44**	**SOIL**			**05/27/25**			**05/28/25**
			Gasoline Range Organics	8015D			06/02/25	
			PCB	8082A		05/30/25	05/30/25	
			Pesticide-TCL	8081B		05/30/25	05/30/25	
Q2150-02	**TP-42**	**SOIL**			**05/27/25**			**05/28/25**
			Gasoline Range Organics	8015D			06/02/25	
			PCB	8082A		05/30/25	05/30/25	
			Pesticide-TCL	8081B		05/30/25	05/30/25	
Q2150-03	**TP-39**	**SOIL**			**05/27/25**			**05/28/25**
			Gasoline Range Organics	8015D			06/02/25	
			PCB	8082A		05/30/25	05/30/25	
			Pesticide-TCL	8081B		05/30/25	05/30/25	
Q2150-04	**TP-48**	**SOIL**			**05/27/25**			**05/28/25**
			Gasoline Range Organics	8015D			06/02/25	
			PCB	8082A		05/30/25	05/30/25	
			Pesticide-TCL	8081B		05/30/25	05/30/25	
Q2150-05	**TP-47**	**SOIL**			**05/27/25**			**05/28/25**
			Gasoline Range Organics	8015D			06/02/25	
			PCB	8082A		05/30/25	05/30/25	
			Pesticide-TCL	8081B		05/30/25	05/30/25	
Q2150-06	**TP-50**	**SOIL**			**05/27/25**			**05/28/25**
			Gasoline Range Organics	8015D			06/02/25	
			PCB	8082A		05/30/25	05/30/25	
			Pesticide-TCL	8081B		05/30/25	05/30/25	
Q2150-07	**TP-51**	**SOIL**			**05/27/25**			**05/28/25**

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LAB CHRONICLE

			Gasoline Range Organics	8015D			06/02/25	
			PCB	8082A		05/30/25	05/30/25	
			Pesticide-TCL	8081B		05/30/25	05/30/25	
Q2150-08	**TP-52**	**SOIL**			**05/28/25**			**05/28/25**
			Gasoline Range Organics	8015D			06/02/25	
			PCB	8082A		05/30/25	05/30/25	
			Pesticide-TCL	8081B		05/30/25	05/30/25	
Q2150-09	**TP-54**	**SOIL**			**05/28/25**			**05/28/25**
			Gasoline Range Organics	8015D			06/03/25	
			PCB	8082A		05/30/25	05/30/25	
			Pesticide-TCL	8081B		05/30/25	05/30/25	
Q2150-10	**TP-53**	**SOIL**			**05/28/25**			**05/28/25**
			Gasoline Range Organics	8015D			06/03/25	
			PCB	8082A		05/30/25	05/30/25	
			Pesticide-TCL	8081B		05/30/25	05/30/25	

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Hit Summary Sheet
SW-846

SDG No.: Q2150

Client: CDM Smith

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID :	**TP-44**							
Q2150-01	TP-44	SOIL	Acenaphthylene	350.000		36.6	220	ug/Kg
Q2150-01	TP-44	SOIL	Acenaphthene	260.000		27	220	ug/Kg
Q2150-01	TP-44	SOIL	Dibenzofuran	210.000	J	28.7	220	ug/Kg
Q2150-01	TP-44	SOIL	Fluorene	450.000		32	220	ug/Kg
Q2150-01	TP-44	SOIL	Phenanthrene	2,200.000		26.4	220	ug/Kg
Q2150-01	TP-44	SOIL	Anthracene	1,100.000		42.1	220	ug/Kg
Q2150-01	TP-44	SOIL	Carbazole	170.000	J	39.5	220	ug/Kg
Q2150-01	TP-44	SOIL	Fluoranthene	5,200.000	E	38	220	ug/Kg
Q2150-01	TP-44	SOIL	Pyrene	2,700.000		45.6	220	ug/Kg
Q2150-01	TP-44	SOIL	Benzo(a)anthracene	2,700.000		29.1	220	ug/Kg
Q2150-01	TP-44	SOIL	Chrysene	2,200.000		25.2	220	ug/Kg
Q2150-01	TP-44	SOIL	Benzo(b)fluoranthene	3,400.000	E	24	220	ug/Kg
Q2150-01	TP-44	SOIL	Benzo(k)fluoranthene	1,500.000		28.3	220	ug/Kg
Q2150-01	TP-44	SOIL	Benzo(a)pyrene	2,500.000		37.3	220	ug/Kg
Q2150-01	TP-44	SOIL	Indeno(1,2,3-cd)pyrene	1,000.000		36.8	220	ug/Kg
Q2150-01	TP-44	SOIL	Dibenzo(a,h)anthracene	320.000		34.7	220	ug/Kg
Q2150-01	TP-44	SOIL	Benzo(g,h,i)perylene	1,200.000		32.5	220	ug/Kg
			Total Svoc :	**27,460.00**				
Q2150-01	TP-44	SOIL	2-Pentanone, 4-hydroxy-4-methyl *	250.000	AB	0	0	ug/Kg
Q2150-01	TP-44	SOIL	4H-Cyclopenta[def]phenanthrene *	1,100.000	J	0	0	ug/Kg
Q2150-01	TP-44	SOIL	9,10-Dimethylanthracene *	470.000	J	0	0	ug/Kg
Q2150-01	TP-44	SOIL	9-Cyanophenanthrene *	150.000	J	0	0	ug/Kg
Q2150-01	TP-44	SOIL	Anthracene, 1-methyl- *	250.000	J	0	0	ug/Kg
Q2150-01	TP-44	SOIL	Anthracene, 2-methyl- *	700.000	J	0	0	ug/Kg
Q2150-01	TP-44	SOIL	Benzene, 1,1-(1,3-butadiyne-1,4-d *	150.000	J	0	0	ug/Kg
Q2150-01	TP-44	SOIL	Benzo[e]pyrene *	600.000	J	0	0	ug/Kg
Q2150-01	TP-44	SOIL	Benzophenone *	230.000	J	0	0	ug/Kg
Q2150-01	TP-44	SOIL	Cyclopenta(def)phenanthrenone *	290.000	J	0	0	ug/Kg
Q2150-01	TP-44	SOIL	Dibenzothiophene *	230.000	J	0	0	ug/Kg
Q2150-01	TP-44	SOIL	Fluoranthene, 2-methyl- *	230.000	J	0	0	ug/Kg
Q2150-01	TP-44	SOIL	Pyrene, 1-methyl- *	150.000	J	0	0	ug/Kg
Q2150-01	TP-44	SOIL	Pyrene, 4,5,9,10-tetrahydro- *	390.000	J	0	0	ug/Kg
Q2150-01	TP-44	SOIL	Pyrene, 4-methyl- *	130.000	J	0	0	ug/Kg
Q2150-01	TP-44	SOIL	unknown10.851 *	130.000	J	0	0	ug/Kg
Q2150-01	TP-44	SOIL	unknown9.645 *	140.000	J	0	0	ug/Kg
Q2150-01	TP-44	SOIL	Naphthalene, 2-phenyl- *	260.000	J	0	0	ug/Kg
Q2150-01	TP-44	SOIL	Perylene *	1,800.000	J	0	0	ug/Kg

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Hit Summary Sheet
SW-846

SDG No.: Q2150

Client: CDM Smith

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Q2150-01	TP-44	SOIL	Phenanthrene, 2-methyl-	*	280.000	J	0	0	ug/Kg
			Total Tics :		**7,930.00**				
			Total Concentration:		**35,390.00**				
Client ID :	**TP-44DL**								
Q2150-01DL	TP-44DL	SOIL	Fluorene		480.000	JD	160	1100	ug/Kg
Q2150-01DL	TP-44DL	SOIL	Phenanthrene		2,500.000	D	130	1100	ug/Kg
Q2150-01DL	TP-44DL	SOIL	Anthracene		1,100.000	D	210	1100	ug/Kg
Q2150-01DL	TP-44DL	SOIL	Fluoranthene		4,800.000	D	190	1100	ug/Kg
Q2150-01DL	TP-44DL	SOIL	Pyrene		3,100.000	D	230	1100	ug/Kg
Q2150-01DL	TP-44DL	SOIL	Benzo(a)anthracene		2,700.000	D	150	1100	ug/Kg
Q2150-01DL	TP-44DL	SOIL	Chrysene		2,600.000	D	130	1100	ug/Kg
Q2150-01DL	TP-44DL	SOIL	Benzo(b)fluoranthene		3,900.000	D	120	1100	ug/Kg
Q2150-01DL	TP-44DL	SOIL	Benzo(k)fluoranthene		1,200.000	D	140	1100	ug/Kg
Q2150-01DL	TP-44DL	SOIL	Benzo(a)pyrene		2,800.000	D	190	1100	ug/Kg
Q2150-01DL	TP-44DL	SOIL	Indeno(1,2,3-cd)pyrene		1,100.000	D	180	1100	ug/Kg
Q2150-01DL	TP-44DL	SOIL	Benzo(g,h,i)perylene		1,100.000	D	160	1100	ug/Kg
			Total Svoc :		**27,380.00**				
			Total Concentration:		**27,380.00**				
Client ID :	**TP-42**								
Q2150-02	TP-42	SOIL	Fluoranthene		130.000	J	34.7	200	ug/Kg
Q2150-02	TP-42	SOIL	Pyrene		100.000	J	41.7	200	ug/Kg
Q2150-02	TP-42	SOIL	Benzo(b)fluoranthene		77.900	J	22	200	ug/Kg
			Total Svoc :		**307.90**				
Q2150-02	TP-42	SOIL	Benzophenone	*	150.000	J	0	0	ug/Kg
Q2150-02	TP-42	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	250.000	AB	0	0	ug/Kg
Q2150-02	TP-42	SOIL	Heptadecyl trifluoroacetate	*	110.000	J	0	0	ug/Kg
Q2150-02	TP-42	SOIL	n-Hexadecanoic acid	*	190.000	J	0	0	ug/Kg
			Total Tics :		**700.00**				
			Total Concentration:		**1,007.90**				
Client ID :	**TP-39**								
Q2150-03	TP-39	SOIL	Phenanthrene		96.600	J	24.9	200	ug/Kg
Q2150-03	TP-39	SOIL	Fluoranthene		130.000	J	35.7	200	ug/Kg
Q2150-03	TP-39	SOIL	Pyrene		95.600	J	42.9	200	ug/Kg
Q2150-03	TP-39	SOIL	Bis(2-ethylhexyl)phthalate		370.000		70.5	200	ug/Kg
Q2150-03	TP-39	SOIL	Benzo(b)fluoranthene		83.100	J	22.6	200	ug/Kg
			Total Svoc :		**775.30**				
Q2150-03	TP-39	SOIL	n-Hexadecanoic acid	*	340.000	J	0	0	ug/Kg
Q2150-03	TP-39	SOIL	1,3-Dioxolane, 2,2-dimethyl-	*	160.000	J	0	0	ug/Kg
Q2150-03	TP-39	SOIL	1-Heneicosanol	*	140.000	J	0	0	ug/Kg

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Hit Summary Sheet
SW-846

SDG No.: Q2150

Client: CDM Smith

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Q2150-03	TP-39	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	430.000	AB	0	0	ug/Kg
Q2150-03	TP-39	SOIL	Benzophenone	*	260.000	J	0	0	ug/Kg
			Total Tics :		**1,330.00**				
			Total Concentration:		**2,105.30**				
Client ID :	**TP-48**								
Q2150-04	TP-48	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	460.000	AB	0	0	ug/Kg
Q2150-04	TP-48	SOIL	Benzophenone	*	280.000	J	0	0	ug/Kg
Q2150-04	TP-48	SOIL	Heptadecyl heptafluorobutyrate	*	180.000	J	0	0	ug/Kg
Q2150-04	TP-48	SOIL	n-Hexadecanoic acid	*	430.000	J	0	0	ug/Kg
			Total Tics :		**1,350.00**				
			Total Concentration:		**1,350.00**				
Client ID :	**TP-47**								
Q2150-05	TP-47	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	290.000	AB	0	0	ug/Kg
Q2150-05	TP-47	SOIL	Benzophenone	*	180.000	J	0	0	ug/Kg
Q2150-05	TP-47	SOIL	n-Hexadecanoic acid	*	410.000	J	0	0	ug/Kg
Q2150-05	TP-47	SOIL	Octadecanoic acid	*	150.000	J	0	0	ug/Kg
Q2150-05	TP-47	SOIL	Trifluoroacetoxy hexadecane	*	200.000	J	0	0	ug/Kg
			Total Tics :		**1,230.00**				
			Total Concentration:		**1,230.00**				
Client ID :	**TP-50**								
Q2150-06	TP-50	SOIL	Phenanthrene		280.000		24.3	200	ug/Kg
Q2150-06	TP-50	SOIL	Anthracene		86.900	J	38.7	200	ug/Kg
Q2150-06	TP-50	SOIL	Fluoranthene		670.000		34.9	200	ug/Kg
Q2150-06	TP-50	SOIL	Pyrene		350.000		41.8	200	ug/Kg
Q2150-06	TP-50	SOIL	Benzo(a)anthracene		340.000		26.7	200	ug/Kg
Q2150-06	TP-50	SOIL	Chrysene		290.000		23.1	200	ug/Kg
Q2150-06	TP-50	SOIL	Benzo(b)fluoranthene		440.000		22.1	200	ug/Kg
Q2150-06	TP-50	SOIL	Benzo(k)fluoranthene		150.000	J	26	200	ug/Kg
Q2150-06	TP-50	SOIL	Benzo(a)pyrene		320.000		34.3	200	ug/Kg
Q2150-06	TP-50	SOIL	Indeno(1,2,3-cd)pyrene		110.000	J	33.8	200	ug/Kg
Q2150-06	TP-50	SOIL	Benzo(g,h,i)perylene		130.000	J	29.9	200	ug/Kg
			Total Svoc :		**3,166.90**				
Q2150-06	TP-50	SOIL	11H-Benzo[a]fluoren-11-one	*	110.000	J	0	0	ug/Kg
Q2150-06	TP-50	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	250.000	AB	0	0	ug/Kg
Q2150-06	TP-50	SOIL	4H-Cyclopenta[def]phenanthrene	*	90.200	J	0	0	ug/Kg
Q2150-06	TP-50	SOIL	Benzo[e]pyrene	*	210.000	J	0	0	ug/Kg
Q2150-06	TP-50	SOIL	Benzophenone	*	130.000	J	0	0	ug/Kg
Q2150-06	TP-50	SOIL	n-Hexadecanoic acid	*	240.000	J	0	0	ug/Kg
			Total Tics :		**1,030.20**				

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Hit Summary Sheet
SW-846

SDG No.: Q2150

Client: CDM Smith

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
			Total Concentration:		**4,197.10**				
Client ID : TP-51									
Q2150-07	TP-51	SOIL	1-Tetracosene	*	430.000	J	0	0	ug/Kg
Q2150-07	TP-51	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	410.000	AB	0	0	ug/Kg
Q2150-07	TP-51	SOIL	Benzophenone	*	200.000	J	0	0	ug/Kg
Q2150-07	TP-51	SOIL	n-Hexadecanoic acid	*	330.000	J	0	0	ug/Kg
Q2150-07	TP-51	SOIL	Pentadecafluorooctanoic acid, oct	*	110.000	J	0	0	ug/Kg
Q2150-07	TP-51	SOIL	unknown10.345	*	130.000	J	0	0	ug/Kg
			Total Tics :		**1,610.00**				
			Total Concentration:		**1,610.00**				
Client ID : TP-52									
Q2150-08	TP-52	SOIL	Acenaphthylene		92.600	J	33.7	200	ug/Kg
Q2150-08	TP-52	SOIL	Phenanthrene		270.000		24.3	200	ug/Kg
Q2150-08	TP-52	SOIL	Anthracene		140.000	J	38.8	200	ug/Kg
Q2150-08	TP-52	SOIL	Fluoranthene		1,300.000		34.9	200	ug/Kg
Q2150-08	TP-52	SOIL	Pyrene		770.000		41.9	200	ug/Kg
Q2150-08	TP-52	SOIL	Benzo(a)anthracene		750.000		26.8	200	ug/Kg
Q2150-08	TP-52	SOIL	Chrysene		780.000		23.2	200	ug/Kg
Q2150-08	TP-52	SOIL	Benzo(b)fluoranthene		1,100.000		22.1	200	ug/Kg
Q2150-08	TP-52	SOIL	Benzo(k)fluoranthene		360.000		26.1	200	ug/Kg
Q2150-08	TP-52	SOIL	Benzo(a)pyrene		830.000		34.4	200	ug/Kg
Q2150-08	TP-52	SOIL	Indeno(1,2,3-cd)pyrene		300.000		33.9	200	ug/Kg
Q2150-08	TP-52	SOIL	Dibenzo(a,h)anthracene		93.900	J	31.9	200	ug/Kg
Q2150-08	TP-52	SOIL	Benzo(g,h,i)perylene		350.000		29.9	200	ug/Kg
			Total Svoc :		**7,136.50**				
Q2150-08	TP-52	SOIL	11H-Benzo[a]fluorene	*	130.000	J	0	0	ug/Kg
Q2150-08	TP-52	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	290.000	AB	0	0	ug/Kg
Q2150-08	TP-52	SOIL	4H-Cyclopenta[def]phenanthrene	*	220.000	J	0	0	ug/Kg
Q2150-08	TP-52	SOIL	Ethanol, 2-butoxy-	*	79.600	J	0	0	ug/Kg
Q2150-08	TP-52	SOIL	Benzo[e]pyrene	*	190.000	J	0	0	ug/Kg
Q2150-08	TP-52	SOIL	Benzophenone	*	170.000	J	0	0	ug/Kg
Q2150-08	TP-52	SOIL	Pyrene, 4,5,9,10-tetrahydro-	*	83.100	J	0	0	ug/Kg
Q2150-08	TP-52	SOIL	n-Hexadecanoic acid	*	460.000	J	0	0	ug/Kg
Q2150-08	TP-52	SOIL	Pentadecafluorooctanoic acid, oct	*	94.400	J	0	0	ug/Kg
Q2150-08	TP-52	SOIL	Perylene	*	630.000	J	0	0	ug/Kg
Q2150-08	TP-52	SOIL	Phenanthrene, 2,5-dimethyl-	*	100.000	J	0	0	ug/Kg
			Total Tics :		**2,447.10**				
			Total Concentration:		**9,583.60**				
Client ID : TP-54									

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Hit Summary Sheet
SW-846

SDG No.: Q2150

Client: CDM Smith

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Q2150-09	TP-54	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	360.000	AB	0	0	ug/Kg
Q2150-09	TP-54	SOIL	Benzophenone	*	250.000	J	0	0	ug/Kg
Q2150-09	TP-54	SOIL	n-Hexadecanoic acid	*	550.000	J	0	0	ug/Kg
Q2150-09	TP-54	SOIL	Octadecanoic acid	*	110.000	J	0	0	ug/Kg
Q2150-09	TP-54	SOIL	Octadecyl trifluoroacetate	*	360.000	J	0	0	ug/Kg
Q2150-09	TP-54	SOIL	Supraene	*	110.000	J	0	0	ug/Kg
			Total Tics :		**1,740.00**				
			Total Concentration:		**1,740.00**				

Client ID : TP-53

Q2150-10	TP-53	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	270.000	AB	0	0	ug/Kg
Q2150-10	TP-53	SOIL	Benzophenone	*	130.000	J	0	0	ug/Kg
Q2150-10	TP-53	SOIL	n-Hexadecanoic acid	*	150.000	J	0	0	ug/Kg
Q2150-10	TP-53	SOIL	Trichloroacetic acid, hexadecyl es	*	160.000	J	0	0	ug/Kg
			Total Tics :		**710.00**				
			Total Concentration:		**710.00**				

SAMPLE DATA

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

Client:	CDM Smith	Date Collected:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-44	SDG No.:	Q2150
Lab Sample ID:	Q2150-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	78.9
Sample Wt/Vol:	30.05 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
BF142586.D	1	05/30/25 09:50	05/30/25 23:10	PB168211

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	200	U	200	420	ug/Kg
108-95-2	Phenol	28.0	U	28.0	220	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	30.7	U	30.7	220	ug/Kg
95-57-8	2-Chlorophenol	30.9	U	30.9	220	ug/Kg
95-48-7	2-Methylphenol	37.8	U	37.8	220	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	47.4	U	47.4	220	ug/Kg
98-86-2	Acetophenone	37.3	U	37.3	220	ug/Kg
65794-96-9	3+4-Methylphenols	52.0	U	52.0	420	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	60.0	U	60.0	100	ug/Kg
67-72-1	Hexachloroethane	22.3	U	22.3	220	ug/Kg
98-95-3	Nitrobenzene	23.2	U	23.2	220	ug/Kg
78-59-1	Isophorone	41.5	U	41.5	220	ug/Kg
88-75-5	2-Nitrophenol	73.6	U	73.6	220	ug/Kg
105-67-9	2,4-Dimethylphenol	82.0	U	82.0	220	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	39.0	U	39.0	220	ug/Kg
120-83-2	2,4-Dichlorophenol	35.8	U	35.8	220	ug/Kg
91-20-3	Naphthalene	28.7	U	28.7	220	ug/Kg
106-47-8	4-Chloroaniline	44.8	U	44.8	220	ug/Kg
87-68-3	Hexachlorobutadiene	32.0	U	32.0	220	ug/Kg
105-60-2	Caprolactam	65.9	U	65.9	420	ug/Kg
59-50-7	4-Chloro-3-methylphenol	36.3	U	36.3	220	ug/Kg
91-57-6	2-Methylnaphthalene	32.4	U	32.4	220	ug/Kg
77-47-4	Hexachlorocyclopentadiene	150	U	150	420	ug/Kg
88-06-2	2,4,6-Trichlorophenol	25.1	U	25.1	220	ug/Kg
95-95-4	2,4,5-Trichlorophenol	36.8	U	36.8	220	ug/Kg
92-52-4	1,1-Biphenyl	27.6	U	27.6	220	ug/Kg
91-58-7	2-Chloronaphthalene	28.5	U	28.5	220	ug/Kg
88-74-4	2-Nitroaniline	60.9	U	60.9	220	ug/Kg
131-11-3	Dimethylphthalate	34.3	U	34.3	220	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-44	SDG No.:	Q2150
Lab Sample ID:	Q2150-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	78.9
Sample Wt/Vol:	30.05 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
BF142586.D	1	05/30/25 09:50	05/30/25 23:10	PB168211

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	350		36.6	220	ug/Kg
606-20-2	2,6-Dinitrotoluene	42.5	U	42.5	220	ug/Kg
99-09-2	3-Nitroaniline	58.2	U	58.2	220	ug/Kg
83-32-9	Acenaphthene	260		27.0	220	ug/Kg
51-28-5	2,4-Dinitrophenol	290	U	290	420	ug/Kg
100-02-7	4-Nitrophenol	140	U	140	420	ug/Kg
132-64-9	Dibenzofuran	210	J	28.7	220	ug/Kg
121-14-2	2,4-Dinitrotoluene	63.4	U	63.4	220	ug/Kg
84-66-2	Diethylphthalate	35.8	U	35.8	220	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	33.8	U	33.8	220	ug/Kg
86-73-7	Fluorene	450		32.0	220	ug/Kg
100-01-6	4-Nitroaniline	81.2	U	81.2	220	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	130	U	130	420	ug/Kg
86-30-6	n-Nitrosodiphenylamine	41.6	U	41.6	220	ug/Kg
101-55-3	4-Bromophenyl-phenylether	35.2	U	35.2	220	ug/Kg
118-74-1	Hexachlorobenzene	32.0	U	32.0	220	ug/Kg
1912-24-9	Atrazine	43.0	U	43.0	220	ug/Kg
87-86-5	Pentachlorophenol	64.9	U	64.9	420	ug/Kg
85-01-8	Phenanthrene	2200		26.4	220	ug/Kg
120-12-7	Anthracene	1100		42.1	220	ug/Kg
86-74-8	Carbazole	170	J	39.5	220	ug/Kg
84-74-2	Di-n-butylphthalate	60.6	U	60.6	220	ug/Kg
206-44-0	Fluoranthene	5200	E	38.0	220	ug/Kg
129-00-0	Pyrene	2700		45.6	220	ug/Kg
85-68-7	Butylbenzylphthalate	90.3	U	90.3	220	ug/Kg
91-94-1	3,3-Dichlorobenzidine	46.4	U	46.4	420	ug/Kg
56-55-3	Benzo(a)anthracene	2700		29.1	220	ug/Kg
218-01-9	Chrysene	2200		25.2	220	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	74.9	U	74.9	220	ug/Kg
117-84-0	Di-n-octyl phthalate	110	U	110	420	ug/Kg
205-99-2	Benzo(b)fluoranthene	3400	E	24.0	220	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-44	SDG No.:	Q2150
Lab Sample ID:	Q2150-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	78.9
Sample Wt/Vol:	30.05 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
BF142586.D	1	05/30/25 09:50	05/30/25 23:10	PB168211

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1500		28.3	220	ug/Kg
50-32-8	Benzo(a)pyrene	2500		37.3	220	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1000		36.8	220	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	320		34.7	220	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1200		32.5	220	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	32.4	U	32.4	220	ug/Kg
123-91-1	1,4-Dioxane	57.2	U	57.2	220	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	34.7	U	34.7	220	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	69.9		18 - 112	47%	SPK: 150
13127-88-3	Phenol-d6	67.4		15 - 107	45%	SPK: 150
4165-60-0	Nitrobenzene-d5	47.1		18 - 107	47%	SPK: 100
321-60-8	2-Fluorobiphenyl	50.2		20 - 109	50%	SPK: 100
118-79-6	2,4,6-Tribromophenol	63.6		10 - 116	42%	SPK: 150
1718-51-0	Terphenyl-d14	31.1		10 - 105	31%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	128000	6.898			
1146-65-2	Naphthalene-d8	419000	8.181			
15067-26-2	Acenaphthene-d10	173000	9.939			
1517-22-2	Phenanthrene-d10	272000	11.428			
1719-03-5	Chrysene-d12	273000	14.074			
1520-96-3	Perylene-d12	221000	15.574			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	250	AB		5.11	ug/Kg
	unknown9.645	140	J		9.64	ug/Kg
000119-61-9	Benzophenone	230	J		10.6	ug/Kg
	unknown10.851	130	J		10.9	ug/Kg
000132-65-0	Dibenzothiophene	230	J		11.3	ug/Kg
002531-84-2	Phenanthrene, 2-methyl-	280	J		11.9	ug/Kg
000613-12-7	Anthracene, 2-methyl-	700	J		12.0	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-44	SDG No.:	Q2150
Lab Sample ID:	Q2150-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	78.9
Sample Wt/Vol:	30.05 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
BF142586.D	1	05/30/25 09:50	05/30/25 23:10	PB168211

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
000610-48-0	Anthracene, 1-methyl-	250	J		12.0	ug/Kg
000203-64-5	4H-Cyclopenta[def]phenanthrene	1100	J		12.0	ug/Kg
000612-94-2	Naphthalene, 2-phenyl-	260	J		12.2	ug/Kg
000781-43-1	9,10-Dimethylanthracene	470	J		12.5	ug/Kg
000781-17-9	Pyrene, 4,5,9,10-tetrahydro-	390	J		12.5	ug/Kg
005737-13-3	Cyclopenta(def)phenanthrenone	290	J		12.6	ug/Kg
002510-55-6	9-Cyanophenanthrene	150	J		12.7	ug/Kg
000886-66-8	Benzene, 1,1-(1,3-butadiyne-1,4-d	150	J		12.7	ug/Kg
002381-21-7	Pyrene, 1-methyl-	150	J		13.1	ug/Kg
033543-31-6	Fluoranthene, 2-methyl-	230	J		13.2	ug/Kg
003353-12-6	Pyrene, 4-methyl-	130	J		13.3	ug/Kg
000192-97-2	Benzo[e]pyrene	600	J		15.2	ug/Kg
000198-55-0	Perylene	1800	J		15.4	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:	CDM Smith	Date Collected:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-44DL	SDG No.:	Q2150
Lab Sample ID:	Q2150-01DL	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	78.9
Sample Wt/Vol:	30.05 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
BF142598.D	5	05/30/25 09:50	06/02/25 15:34	PB168211

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	990	UD	990	2100	ug/Kg
108-95-2	Phenol	140	UD	140	1100	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	150	UD	150	1100	ug/Kg
95-57-8	2-Chlorophenol	150	UD	150	1100	ug/Kg
95-48-7	2-Methylphenol	190	UD	190	1100	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	240	UD	240	1100	ug/Kg
98-86-2	Acetophenone	190	UD	190	1100	ug/Kg
65794-96-9	3+4-Methylphenols	260	UD	260	2100	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	300	UD	300	510	ug/Kg
67-72-1	Hexachloroethane	110	UD	110	1100	ug/Kg
98-95-3	Nitrobenzene	120	UD	120	1100	ug/Kg
78-59-1	Isophorone	210	UD	210	1100	ug/Kg
88-75-5	2-Nitrophenol	370	UD	370	1100	ug/Kg
105-67-9	2,4-Dimethylphenol	410	UD	410	1100	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	190	UD	190	1100	ug/Kg
120-83-2	2,4-Dichlorophenol	180	UD	180	1100	ug/Kg
91-20-3	Naphthalene	140	UD	140	1100	ug/Kg
106-47-8	4-Chloroaniline	220	UD	220	1100	ug/Kg
87-68-3	Hexachlorobutadiene	160	UD	160	1100	ug/Kg
105-60-2	Caprolactam	330	UD	330	2100	ug/Kg
59-50-7	4-Chloro-3-methylphenol	180	UD	180	1100	ug/Kg
91-57-6	2-Methylnaphthalene	160	UD	160	1100	ug/Kg
77-47-4	Hexachlorocyclopentadiene	730	UD	730	2100	ug/Kg
88-06-2	2,4,6-Trichlorophenol	130	UD	130	1100	ug/Kg
95-95-4	2,4,5-Trichlorophenol	180	UD	180	1100	ug/Kg
92-52-4	1,1-Biphenyl	140	UD	140	1100	ug/Kg
91-58-7	2-Chloronaphthalene	140	UD	140	1100	ug/Kg
88-74-4	2-Nitroaniline	300	UD	300	1100	ug/Kg
131-11-3	Dimethylphthalate	170	UD	170	1100	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-44DL	SDG No.:	Q2150
Lab Sample ID:	Q2150-01DL	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	78.9
Sample Wt/Vol:	30.05 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
BF142598.D	5	05/30/25 09:50	06/02/25 15:34	PB168211

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	180	UD	180	1100	ug/Kg
606-20-2	2,6-Dinitrotoluene	210	UD	210	1100	ug/Kg
99-09-2	3-Nitroaniline	290	UD	290	1100	ug/Kg
83-32-9	Acenaphthene	130	UD	130	1100	ug/Kg
51-28-5	2,4-Dinitrophenol	1400	UD	1400	2100	ug/Kg
100-02-7	4-Nitrophenol	680	UD	680	2100	ug/Kg
132-64-9	Dibenzofuran	140	UD	140	1100	ug/Kg
121-14-2	2,4-Dinitrotoluene	320	UD	320	1100	ug/Kg
84-66-2	Diethylphthalate	180	UD	180	1100	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	170	UD	170	1100	ug/Kg
86-73-7	Fluorene	480	JD	160	1100	ug/Kg
100-01-6	4-Nitroaniline	410	UD	410	1100	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	650	UD	650	2100	ug/Kg
86-30-6	n-Nitrosodiphenylamine	210	UD	210	1100	ug/Kg
101-55-3	4-Bromophenyl-phenylether	180	UD	180	1100	ug/Kg
118-74-1	Hexachlorobenzene	160	UD	160	1100	ug/Kg
1912-24-9	Atrazine	220	UD	220	1100	ug/Kg
87-86-5	Pentachlorophenol	320	UD	320	2100	ug/Kg
85-01-8	Phenanthrene	2500	D	130	1100	ug/Kg
120-12-7	Anthracene	1100	D	210	1100	ug/Kg
86-74-8	Carbazole	200	UD	200	1100	ug/Kg
84-74-2	Di-n-butylphthalate	300	UD	300	1100	ug/Kg
206-44-0	Fluoranthene	4800	D	190	1100	ug/Kg
129-00-0	Pyrene	3100	D	230	1100	ug/Kg
85-68-7	Butylbenzylphthalate	450	UD	450	1100	ug/Kg
91-94-1	3,3-Dichlorobenzidine	230	UD	230	2100	ug/Kg
56-55-3	Benzo(a)anthracene	2700	D	150	1100	ug/Kg
218-01-9	Chrysene	2600	D	130	1100	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	370	UD	370	1100	ug/Kg
117-84-0	Di-n-octyl phthalate	550	UD	550	2100	ug/Kg
205-99-2	Benzo(b)fluoranthene	3900	D	120	1100	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-44DL	SDG No.:	Q2150
Lab Sample ID:	Q2150-01DL	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	78.9
Sample Wt/Vol:	30.05 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
BF142598.D	5	05/30/25 09:50	06/02/25 15:34	PB168211

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1200	D	140	1100	ug/Kg
50-32-8	Benzo(a)pyrene	2800	D	190	1100	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1100	D	180	1100	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	170	UD	170	1100	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1100	D	160	1100	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	160	UD	160	1100	ug/Kg
123-91-1	1,4-Dioxane	290	UD	290	1100	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	170	UD	170	1100	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	78.1		18 - 112	52%	SPK: 150
13127-88-3	Phenol-d6	78.6		15 - 107	52%	SPK: 150
4165-60-0	Nitrobenzene-d5	48.2		18 - 107	48%	SPK: 100
321-60-8	2-Fluorobiphenyl	53.3		20 - 109	53%	SPK: 100
118-79-6	2,4,6-Tribromophenol	62.5		10 - 116	42%	SPK: 150
1718-51-0	Terphenyl-d14	33.9		10 - 105	34%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	127000	6.898			
1146-65-2	Naphthalene-d8	471000	8.181			
15067-26-2	Acenaphthene-d10	232000	9.939			
1517-22-2	Phenanthrene-d10	326000	11.427			
1719-03-5	Chrysene-d12	251000	14.068			
1520-96-3	Perylene-d12	279000	15.568			

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:	CDM Smith	Date Collected:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-42	SDG No.:	Q2150
Lab Sample ID:	Q2150-02	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.2
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
BF142583.D	1	05/30/25 09:50	05/30/25 21:42	PB168211

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	25.6	U	25.6	200	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	28.1	U	28.1	200	ug/Kg
95-57-8	2-Chlorophenol	28.2	U	28.2	200	ug/Kg
95-48-7	2-Methylphenol	34.6	U	34.6	200	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	43.4	U	43.4	200	ug/Kg
98-86-2	Acetophenone	34.2	U	34.2	200	ug/Kg
65794-96-9	3+4-Methylphenols	47.6	U	47.6	380	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	54.9	U	54.9	92.6	ug/Kg
67-72-1	Hexachloroethane	20.4	U	20.4	200	ug/Kg
98-95-3	Nitrobenzene	21.2	U	21.2	200	ug/Kg
78-59-1	Isophorone	38.0	U	38.0	200	ug/Kg
88-75-5	2-Nitrophenol	67.4	U	67.4	200	ug/Kg
105-67-9	2,4-Dimethylphenol	75.0	U	75.0	200	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	35.7	U	35.7	200	ug/Kg
120-83-2	2,4-Dichlorophenol	32.8	U	32.8	200	ug/Kg
91-20-3	Naphthalene	26.3	U	26.3	200	ug/Kg
106-47-8	4-Chloroaniline	41.0	U	41.0	200	ug/Kg
87-68-3	Hexachlorobutadiene	29.3	U	29.3	200	ug/Kg
105-60-2	Caprolactam	60.3	U	60.3	380	ug/Kg
59-50-7	4-Chloro-3-methylphenol	33.2	U	33.2	200	ug/Kg
91-57-6	2-Methylnaphthalene	29.6	U	29.6	200	ug/Kg
77-47-4	Hexachlorocyclopentadiene	130	U	130	380	ug/Kg
88-06-2	2,4,6-Trichlorophenol	22.9	U	22.9	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	33.7	U	33.7	200	ug/Kg
92-52-4	1,1-Biphenyl	25.2	U	25.2	200	ug/Kg
91-58-7	2-Chloronaphthalene	26.1	U	26.1	200	ug/Kg
88-74-4	2-Nitroaniline	55.7	U	55.7	200	ug/Kg
131-11-3	Dimethylphthalate	31.4	U	31.4	200	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-42	SDG No.:	Q2150
Lab Sample ID:	Q2150-02	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.2
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
BF142583.D	1	05/30/25 09:50	05/30/25 21:42	PB168211

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	33.5	U	33.5	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	38.9	U	38.9	200	ug/Kg
99-09-2	3-Nitroaniline	53.3	U	53.3	200	ug/Kg
83-32-9	Acenaphthene	24.7	U	24.7	200	ug/Kg
51-28-5	2,4-Dinitrophenol	270	U	270	380	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	380	ug/Kg
132-64-9	Dibenzofuran	26.3	U	26.3	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	58.0	U	58.0	200	ug/Kg
84-66-2	Diethylphthalate	32.8	U	32.8	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	30.9	U	30.9	200	ug/Kg
86-73-7	Fluorene	29.3	U	29.3	200	ug/Kg
100-01-6	4-Nitroaniline	74.3	U	74.3	200	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	U	120	380	ug/Kg
86-30-6	n-Nitrosodiphenylamine	38.1	U	38.1	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	32.2	U	32.2	200	ug/Kg
118-74-1	Hexachlorobenzene	29.3	U	29.3	200	ug/Kg
1912-24-9	Atrazine	39.4	U	39.4	200	ug/Kg
87-86-5	Pentachlorophenol	59.4	U	59.4	380	ug/Kg
85-01-8	Phenanthrene	24.2	U	24.2	200	ug/Kg
120-12-7	Anthracene	38.6	U	38.6	200	ug/Kg
86-74-8	Carbazole	36.1	U	36.1	200	ug/Kg
84-74-2	Di-n-butylphthalate	55.5	U	55.5	200	ug/Kg
206-44-0	Fluoranthene	130	J	34.7	200	ug/Kg
129-00-0	Pyrene	100	J	41.7	200	ug/Kg
85-68-7	Butylbenzylphthalate	82.7	U	82.7	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	42.5	U	42.5	380	ug/Kg
56-55-3	Benzo(a)anthracene	26.6	U	26.6	200	ug/Kg
218-01-9	Chrysene	23.0	U	23.0	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	68.5	U	68.5	200	ug/Kg
117-84-0	Di-n-octyl phthalate	100	U	100	380	ug/Kg
205-99-2	Benzo(b)fluoranthene	77.9	J	22.0	200	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-42	SDG No.:	Q2150
Lab Sample ID:	Q2150-02	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.2
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
BF142583.D	1	05/30/25 09:50	05/30/25 21:42	PB168211

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	25.9	U	25.9	200	ug/Kg
50-32-8	Benzo(a)pyrene	34.2	U	34.2	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	33.7	U	33.7	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	31.7	U	31.7	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	29.8	U	29.8	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	29.6	U	29.6	200	ug/Kg
123-91-1	1,4-Dioxane	52.3	U	52.3	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	31.7	U	31.7	200	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	78.1		18 - 112	52%	SPK: 150
13127-88-3	Phenol-d6	78.9		15 - 107	53%	SPK: 150
4165-60-0	Nitrobenzene-d5	48.9		18 - 107	49%	SPK: 100
321-60-8	2-Fluorobiphenyl	46.0		20 - 109	46%	SPK: 100
118-79-6	2,4,6-Tribromophenol	69.5		10 - 116	46%	SPK: 150
1718-51-0	Terphenyl-d14	37.3		10 - 105	37%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	143000	6.898			
1146-65-2	Naphthalene-d8	546000	8.181			
15067-26-2	Acenaphthene-d10	277000	9.933			
1517-22-2	Phenanthrene-d10	434000	11.421			
1719-03-5	Chrysene-d12	257000	14.068			
1520-96-3	Perylene-d12	308000	15.562			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	250	AB		5.12	ug/Kg
000119-61-9	Benzophenone	150	J		10.6	ug/Kg
000057-10-3	n-Hexadecanoic acid	190	J		11.9	ug/Kg
1010351-87-0	Heptadecyl trifluoroacetate	110	J		13.9	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-42	SDG No.:	Q2150
Lab Sample ID:	Q2150-02	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.2
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
BF142583.D	1	05/30/25 09:50	05/30/25 21:42	PB168211

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:	CDM Smith	Date Collected:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-39	SDG No.:	Q2150
Lab Sample ID:	Q2150-03	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	83.7
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
BF142580.D	1	05/30/25 09:50	05/30/25 20:14	PB168211

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	26.3	U	26.3	200	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	29.0	U	29.0	200	ug/Kg
95-57-8	2-Chlorophenol	29.1	U	29.1	200	ug/Kg
95-48-7	2-Methylphenol	35.6	U	35.6	200	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	44.7	U	44.7	200	ug/Kg
98-86-2	Acetophenone	35.2	U	35.2	200	ug/Kg
65794-96-9	3+4-Methylphenols	49.0	U	49.0	390	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	56.5	U	56.5	95.3	ug/Kg
67-72-1	Hexachloroethane	21.0	U	21.0	200	ug/Kg
98-95-3	Nitrobenzene	21.8	U	21.8	200	ug/Kg
78-59-1	Isophorone	39.1	U	39.1	200	ug/Kg
88-75-5	2-Nitrophenol	69.3	U	69.3	200	ug/Kg
105-67-9	2,4-Dimethylphenol	77.2	U	77.2	200	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	36.7	U	36.7	200	ug/Kg
120-83-2	2,4-Dichlorophenol	33.7	U	33.7	200	ug/Kg
91-20-3	Naphthalene	27.0	U	27.0	200	ug/Kg
106-47-8	4-Chloroaniline	42.2	U	42.2	200	ug/Kg
87-68-3	Hexachlorobutadiene	30.1	U	30.1	200	ug/Kg
105-60-2	Caprolactam	62.1	U	62.1	390	ug/Kg
59-50-7	4-Chloro-3-methylphenol	34.2	U	34.2	200	ug/Kg
91-57-6	2-Methylnaphthalene	30.5	U	30.5	200	ug/Kg
77-47-4	Hexachlorocyclopentadiene	140	U	140	390	ug/Kg
88-06-2	2,4,6-Trichlorophenol	23.6	U	23.6	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	34.7	U	34.7	200	ug/Kg
92-52-4	1,1-Biphenyl	26.0	U	26.0	200	ug/Kg
91-58-7	2-Chloronaphthalene	26.8	U	26.8	200	ug/Kg
88-74-4	2-Nitroaniline	57.3	U	57.3	200	ug/Kg
131-11-3	Dimethylphthalate	32.3	U	32.3	200	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-39	SDG No.:	Q2150
Lab Sample ID:	Q2150-03	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	83.7
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
BF142580.D	1	05/30/25 09:50	05/30/25 20:14	PB168211

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	34.4	U	34.4	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	40.0	U	40.0	200	ug/Kg
99-09-2	3-Nitroaniline	54.8	U	54.8	200	ug/Kg
83-32-9	Acenaphthene	25.4	U	25.4	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	27.0	U	27.0	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	59.7	U	59.7	200	ug/Kg
84-66-2	Diethylphthalate	33.7	U	33.7	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	31.8	U	31.8	200	ug/Kg
86-73-7	Fluorene	30.1	U	30.1	200	ug/Kg
100-01-6	4-Nitroaniline	76.5	U	76.5	200	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	U	120	390	ug/Kg
86-30-6	n-Nitrosodiphenylamine	39.2	U	39.2	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	33.1	U	33.1	200	ug/Kg
118-74-1	Hexachlorobenzene	30.1	U	30.1	200	ug/Kg
1912-24-9	Atrazine	40.5	U	40.5	200	ug/Kg
87-86-5	Pentachlorophenol	61.1	U	61.1	390	ug/Kg
85-01-8	Phenanthrene	96.6	J	24.9	200	ug/Kg
120-12-7	Anthracene	39.7	U	39.7	200	ug/Kg
86-74-8	Carbazole	37.2	U	37.2	200	ug/Kg
84-74-2	Di-n-butylphthalate	57.1	U	57.1	200	ug/Kg
206-44-0	Fluoranthene	130	J	35.7	200	ug/Kg
129-00-0	Pyrene	95.6	J	42.9	200	ug/Kg
85-68-7	Butylbenzylphthalate	85.1	U	85.1	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	43.7	U	43.7	390	ug/Kg
56-55-3	Benzo(a)anthracene	27.4	U	27.4	200	ug/Kg
218-01-9	Chrysene	23.7	U	23.7	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	370		70.5	200	ug/Kg
117-84-0	Di-n-octyl phthalate	100	U	100	390	ug/Kg
205-99-2	Benzo(b)fluoranthene	83.1	J	22.6	200	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-39	SDG No.:	Q2150
Lab Sample ID:	Q2150-03	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	83.7
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
BF142580.D	1	05/30/25 09:50	05/30/25 20:14	PB168211

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	26.7	U	26.7	200	ug/Kg
50-32-8	Benzo(a)pyrene	35.2	U	35.2	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	34.7	U	34.7	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	32.6	U	32.6	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	30.6	U	30.6	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	30.5	U	30.5	200	ug/Kg
123-91-1	1,4-Dioxane	53.9	U	53.9	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	32.6	U	32.6	200	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	122		18 - 112	81%	SPK: 150
13127-88-3	Phenol-d6	126		15 - 107	84%	SPK: 150
4165-60-0	Nitrobenzene-d5	77.9		18 - 107	78%	SPK: 100
321-60-8	2-Fluorobiphenyl	71.9		20 - 109	72%	SPK: 100
118-79-6	2,4,6-Tribromophenol	124		10 - 116	82%	SPK: 150
1718-51-0	Terphenyl-d14	67.6		10 - 105	68%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	122000	6.898			
1146-65-2	Naphthalene-d8	461000	8.181			
15067-26-2	Acenaphthene-d10	242000	9.933			
1517-22-2	Phenanthrene-d10	399000	11.422			
1719-03-5	Chrysene-d12	235000	14.068			
1520-96-3	Perylene-d12	244000	15.562			
TENTATIVE IDENTIFIED COMPOUNDS						
002916-31-6	1,3-Dioxolane, 2,2-dimethyl-	160	J		2.41	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	430	AB		5.12	ug/Kg
000119-61-9	Benzophenone	260	J		10.7	ug/Kg
000057-10-3	n-Hexadecanoic acid	340	J		12.0	ug/Kg
015594-90-8	1-Heneicosanol	140	J		13.9	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-39	SDG No.:	Q2150
Lab Sample ID:	Q2150-03	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	83.7
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
BF142580.D	1	05/30/25 09:50	05/30/25 20:14	PB168211

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:	CDM Smith	Date Collected:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-48	SDG No.:	Q2150
Lab Sample ID:	Q2150-04	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	80.7
Sample Wt/Vol:	30.05 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
BF142581.D	1	05/30/25 09:50	05/30/25 20:43	PB168211

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	190	U	190	410	ug/Kg
108-95-2	Phenol	27.3	U	27.3	210	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	30.1	U	30.1	210	ug/Kg
95-57-8	2-Chlorophenol	30.2	U	30.2	210	ug/Kg
95-48-7	2-Methylphenol	37.0	U	37.0	210	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	46.4	U	46.4	210	ug/Kg
98-86-2	Acetophenone	36.5	U	36.5	210	ug/Kg
65794-96-9	3+4-Methylphenols	50.8	U	50.8	410	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	58.6	U	58.6	99.0	ug/Kg
67-72-1	Hexachloroethane	21.8	U	21.8	210	ug/Kg
98-95-3	Nitrobenzene	22.6	U	22.6	210	ug/Kg
78-59-1	Isophorone	40.6	U	40.6	210	ug/Kg
88-75-5	2-Nitrophenol	72.0	U	72.0	210	ug/Kg
105-67-9	2,4-Dimethylphenol	80.2	U	80.2	210	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	38.1	U	38.1	210	ug/Kg
120-83-2	2,4-Dichlorophenol	35.0	U	35.0	210	ug/Kg
91-20-3	Naphthalene	28.1	U	28.1	210	ug/Kg
106-47-8	4-Chloroaniline	43.8	U	43.8	210	ug/Kg
87-68-3	Hexachlorobutadiene	31.3	U	31.3	210	ug/Kg
105-60-2	Caprolactam	64.5	U	64.5	410	ug/Kg
59-50-7	4-Chloro-3-methylphenol	35.5	U	35.5	210	ug/Kg
91-57-6	2-Methylnaphthalene	31.7	U	31.7	210	ug/Kg
77-47-4	Hexachlorocyclopentadiene	140	U	140	410	ug/Kg
88-06-2	2,4,6-Trichlorophenol	24.5	U	24.5	210	ug/Kg
95-95-4	2,4,5-Trichlorophenol	36.0	U	36.0	210	ug/Kg
92-52-4	1,1-Biphenyl	27.0	U	27.0	210	ug/Kg
91-58-7	2-Chloronaphthalene	27.8	U	27.8	210	ug/Kg
88-74-4	2-Nitroaniline	59.5	U	59.5	210	ug/Kg
131-11-3	Dimethylphthalate	33.5	U	33.5	210	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-48	SDG No.:	Q2150
Lab Sample ID:	Q2150-04	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	80.7
Sample Wt/Vol:	30.05 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
BF142581.D	1	05/30/25 09:50	05/30/25 20:43	PB168211

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	35.8	U	35.8	210	ug/Kg
606-20-2	2,6-Dinitrotoluene	41.6	U	41.6	210	ug/Kg
99-09-2	3-Nitroaniline	56.9	U	56.9	210	ug/Kg
83-32-9	Acenaphthene	26.4	U	26.4	210	ug/Kg
51-28-5	2,4-Dinitrophenol	280	U	280	410	ug/Kg
100-02-7	4-Nitrophenol	130	U	130	410	ug/Kg
132-64-9	Dibenzofuran	28.1	U	28.1	210	ug/Kg
121-14-2	2,4-Dinitrotoluene	62.0	U	62.0	210	ug/Kg
84-66-2	Diethylphthalate	35.0	U	35.0	210	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	33.0	U	33.0	210	ug/Kg
86-73-7	Fluorene	31.3	U	31.3	210	ug/Kg
100-01-6	4-Nitroaniline	79.4	U	79.4	210	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	130	U	130	410	ug/Kg
86-30-6	n-Nitrosodiphenylamine	40.7	U	40.7	210	ug/Kg
101-55-3	4-Bromophenyl-phenylether	34.4	U	34.4	210	ug/Kg
118-74-1	Hexachlorobenzene	31.3	U	31.3	210	ug/Kg
1912-24-9	Atrazine	42.1	U	42.1	210	ug/Kg
87-86-5	Pentachlorophenol	63.5	U	63.5	410	ug/Kg
85-01-8	Phenanthrene	25.9	U	25.9	210	ug/Kg
120-12-7	Anthracene	41.2	U	41.2	210	ug/Kg
86-74-8	Carbazole	38.6	U	38.6	210	ug/Kg
84-74-2	Di-n-butylphthalate	59.3	U	59.3	210	ug/Kg
206-44-0	Fluoranthene	37.1	U	37.1	210	ug/Kg
129-00-0	Pyrene	44.5	U	44.5	210	ug/Kg
85-68-7	Butylbenzylphthalate	88.3	U	88.3	210	ug/Kg
91-94-1	3,3-Dichlorobenzidine	45.4	U	45.4	410	ug/Kg
56-55-3	Benzo(a)anthracene	28.5	U	28.5	210	ug/Kg
218-01-9	Chrysene	24.6	U	24.6	210	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	73.2	U	73.2	210	ug/Kg
117-84-0	Di-n-octyl phthalate	110	U	110	410	ug/Kg
205-99-2	Benzo(b)fluoranthene	23.5	U	23.5	210	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-48	SDG No.:	Q2150
Lab Sample ID:	Q2150-04	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	80.7
Sample Wt/Vol:	30.05 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
BF142581.D	1	05/30/25 09:50	05/30/25 20:43	PB168211

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	27.7	U	27.7	210	ug/Kg
50-32-8	Benzo(a)pyrene	36.5	U	36.5	210	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	36.0	U	36.0	210	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	33.9	U	33.9	210	ug/Kg
191-24-2	Benzo(g,h,i)perylene	31.8	U	31.8	210	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	31.7	U	31.7	210	ug/Kg
123-91-1	1,4-Dioxane	55.9	U	55.9	210	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	33.9	U	33.9	210	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	128		18 - 112	85%	SPK: 150
13127-88-3	Phenol-d6	130		15 - 107	87%	SPK: 150
4165-60-0	Nitrobenzene-d5	83.0		18 - 107	83%	SPK: 100
321-60-8	2-Fluorobiphenyl	74.0		20 - 109	74%	SPK: 100
118-79-6	2,4,6-Tribromophenol	128		10 - 116	85%	SPK: 150
1718-51-0	Terphenyl-d14	67.5		10 - 105	67%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	128000	6.898			
1146-65-2	Naphthalene-d8	479000	8.181			
15067-26-2	Acenaphthene-d10	252000	9.933			
1517-22-2	Phenanthrene-d10	420000	11.421			
1719-03-5	Chrysene-d12	240000	14.068			
1520-96-3	Perylene-d12	261000	15.562			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	460	AB		5.13	ug/Kg
000119-61-9	Benzophenone	280	J		10.7	ug/Kg
000057-10-3	n-Hexadecanoic acid	430	J		12.0	ug/Kg
959085-66-6	Heptadecyl heptafluorobutyrate	180	J		13.9	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-48	SDG No.:	Q2150
Lab Sample ID:	Q2150-04	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	80.7
Sample Wt/Vol:	30.05 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
BF142581.D	1	05/30/25 09:50	05/30/25 20:43	PB168211

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:	CDM Smith	Date Collected:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-47	SDG No.:	Q2150
Lab Sample ID:	Q2150-05	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	81
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
BF142569.D	1	05/30/25 09:50	05/30/25 14:52	PB168211

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	190	U	190	410	ug/Kg
108-95-2	Phenol	27.2	U	27.2	210	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	30.0	U	30.0	210	ug/Kg
95-57-8	2-Chlorophenol	30.1	U	30.1	210	ug/Kg
95-48-7	2-Methylphenol	36.9	U	36.9	210	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	46.2	U	46.2	210	ug/Kg
98-86-2	Acetophenone	36.4	U	36.4	210	ug/Kg
65794-96-9	3+4-Methylphenols	50.7	U	50.7	410	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	58.4	U	58.4	98.6	ug/Kg
67-72-1	Hexachloroethane	21.7	U	21.7	210	ug/Kg
98-95-3	Nitrobenzene	22.6	U	22.6	210	ug/Kg
78-59-1	Isophorone	40.4	U	40.4	210	ug/Kg
88-75-5	2-Nitrophenol	71.8	U	71.8	210	ug/Kg
105-67-9	2,4-Dimethylphenol	79.9	U	79.9	210	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	38.0	U	38.0	210	ug/Kg
120-83-2	2,4-Dichlorophenol	34.9	U	34.9	210	ug/Kg
91-20-3	Naphthalene	28.0	U	28.0	210	ug/Kg
106-47-8	4-Chloroaniline	43.6	U	43.6	210	ug/Kg
87-68-3	Hexachlorobutadiene	31.2	U	31.2	210	ug/Kg
105-60-2	Caprolactam	64.2	U	64.2	410	ug/Kg
59-50-7	4-Chloro-3-methylphenol	35.4	U	35.4	210	ug/Kg
91-57-6	2-Methylnaphthalene	31.6	U	31.6	210	ug/Kg
77-47-4	Hexachlorocyclopentadiene	140	U	140	410	ug/Kg
88-06-2	2,4,6-Trichlorophenol	24.4	U	24.4	210	ug/Kg
95-95-4	2,4,5-Trichlorophenol	35.9	U	35.9	210	ug/Kg
92-52-4	1,1-Biphenyl	26.9	U	26.9	210	ug/Kg
91-58-7	2-Chloronaphthalene	27.7	U	27.7	210	ug/Kg
88-74-4	2-Nitroaniline	59.3	U	59.3	210	ug/Kg
131-11-3	Dimethylphthalate	33.4	U	33.4	210	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-47	SDG No.:	Q2150
Lab Sample ID:	Q2150-05	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	81
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
BF142569.D	1	05/30/25 09:50	05/30/25 14:52	PB168211

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	35.6	U	35.6	210	ug/Kg
606-20-2	2,6-Dinitrotoluene	41.4	U	41.4	210	ug/Kg
99-09-2	3-Nitroaniline	56.7	U	56.7	210	ug/Kg
83-32-9	Acenaphthene	26.3	U	26.3	210	ug/Kg
51-28-5	2,4-Dinitrophenol	280	U	280	410	ug/Kg
100-02-7	4-Nitrophenol	130	U	130	410	ug/Kg
132-64-9	Dibenzofuran	28.0	U	28.0	210	ug/Kg
121-14-2	2,4-Dinitrotoluene	61.8	U	61.8	210	ug/Kg
84-66-2	Diethylphthalate	34.9	U	34.9	210	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	32.9	U	32.9	210	ug/Kg
86-73-7	Fluorene	31.2	U	31.2	210	ug/Kg
100-01-6	4-Nitroaniline	79.2	U	79.2	210	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	130	U	130	410	ug/Kg
86-30-6	n-Nitrosodiphenylamine	40.6	U	40.6	210	ug/Kg
101-55-3	4-Bromophenyl-phenylether	34.3	U	34.3	210	ug/Kg
118-74-1	Hexachlorobenzene	31.2	U	31.2	210	ug/Kg
1912-24-9	Atrazine	41.9	U	41.9	210	ug/Kg
87-86-5	Pentachlorophenol	63.2	U	63.2	410	ug/Kg
85-01-8	Phenanthrene	25.8	U	25.8	210	ug/Kg
120-12-7	Anthracene	41.1	U	41.1	210	ug/Kg
86-74-8	Carbazole	38.5	U	38.5	210	ug/Kg
84-74-2	Di-n-butylphthalate	59.1	U	59.1	210	ug/Kg
206-44-0	Fluoranthene	37.0	U	37.0	210	ug/Kg
129-00-0	Pyrene	44.4	U	44.4	210	ug/Kg
85-68-7	Butylbenzylphthalate	88.0	U	88.0	210	ug/Kg
91-94-1	3,3-Dichlorobenzidine	45.2	U	45.2	410	ug/Kg
56-55-3	Benzo(a)anthracene	28.4	U	28.4	210	ug/Kg
218-01-9	Chrysene	24.5	U	24.5	210	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	73.0	U	73.0	210	ug/Kg
117-84-0	Di-n-octyl phthalate	110	U	110	410	ug/Kg
205-99-2	Benzo(b)fluoranthene	23.4	U	23.4	210	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-47	SDG No.:	Q2150
Lab Sample ID:	Q2150-05	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	81
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
BF142569.D	1	05/30/25 09:50	05/30/25 14:52	PB168211

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	27.6	U	27.6	210	ug/Kg
50-32-8	Benzo(a)pyrene	36.4	U	36.4	210	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	35.9	U	35.9	210	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	33.8	U	33.8	210	ug/Kg
191-24-2	Benzo(g,h,i)perylene	31.7	U	31.7	210	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	31.6	U	31.6	210	ug/Kg
123-91-1	1,4-Dioxane	55.7	U	55.7	210	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	33.8	U	33.8	210	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	81.7		18 - 112	54%	SPK: 150
13127-88-3	Phenol-d6	83.6		15 - 107	56%	SPK: 150
4165-60-0	Nitrobenzene-d5	51.5		18 - 107	51%	SPK: 100
321-60-8	2-Fluorobiphenyl	49.7		20 - 109	50%	SPK: 100
118-79-6	2,4,6-Tribromophenol	80.9		10 - 116	54%	SPK: 150
1718-51-0	Terphenyl-d14	45.5		10 - 105	45%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	120000	6.898			
1146-65-2	Naphthalene-d8	453000	8.181			
15067-26-2	Acenaphthene-d10	238000	9.939			
1517-22-2	Phenanthrene-d10	379000	11.422			
1719-03-5	Chrysene-d12	214000	14.068			
1520-96-3	Perylene-d12	234000	15.563			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	290	AB		5.12	ug/Kg
000119-61-9	Benzophenone	180	J		10.7	ug/Kg
000057-10-3	n-Hexadecanoic acid	410	J		11.9	ug/Kg
000057-11-4	Octadecanoic acid	150	J		12.7	ug/Kg
006222-03-3	Trifluoroacetoxy hexadecane	200	J		13.9	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-47	SDG No.:	Q2150
Lab Sample ID:	Q2150-05	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	81
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
BF142569.D	1	05/30/25 09:50	05/30/25 14:52	PB168211

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:	CDM Smith	Date Collected:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-50	SDG No.:	Q2150
Lab Sample ID:	Q2150-06	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86
Sample Wt/Vol:	30.02 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
BF142584.D	1	05/30/25 09:50	05/30/25 22:11	PB168211

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	25.7	U	25.7	200	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	28.2	U	28.2	200	ug/Kg
95-57-8	2-Chlorophenol	28.4	U	28.4	200	ug/Kg
95-48-7	2-Methylphenol	34.7	U	34.7	200	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	43.6	U	43.6	200	ug/Kg
98-86-2	Acetophenone	34.3	U	34.3	200	ug/Kg
65794-96-9	3+4-Methylphenols	47.8	U	47.8	380	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	55.1	U	55.1	93.0	ug/Kg
67-72-1	Hexachloroethane	20.5	U	20.5	200	ug/Kg
98-95-3	Nitrobenzene	21.3	U	21.3	200	ug/Kg
78-59-1	Isophorone	38.1	U	38.1	200	ug/Kg
88-75-5	2-Nitrophenol	67.6	U	67.6	200	ug/Kg
105-67-9	2,4-Dimethylphenol	75.3	U	75.3	200	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	35.8	U	35.8	200	ug/Kg
120-83-2	2,4-Dichlorophenol	32.9	U	32.9	200	ug/Kg
91-20-3	Naphthalene	26.4	U	26.4	200	ug/Kg
106-47-8	4-Chloroaniline	41.1	U	41.1	200	ug/Kg
87-68-3	Hexachlorobutadiene	29.4	U	29.4	200	ug/Kg
105-60-2	Caprolactam	60.5	U	60.5	380	ug/Kg
59-50-7	4-Chloro-3-methylphenol	33.3	U	33.3	200	ug/Kg
91-57-6	2-Methylnaphthalene	29.7	U	29.7	200	ug/Kg
77-47-4	Hexachlorocyclopentadiene	130	U	130	380	ug/Kg
88-06-2	2,4,6-Trichlorophenol	23.0	U	23.0	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	33.8	U	33.8	200	ug/Kg
92-52-4	1,1-Biphenyl	25.3	U	25.3	200	ug/Kg
91-58-7	2-Chloronaphthalene	26.1	U	26.1	200	ug/Kg
88-74-4	2-Nitroaniline	55.9	U	55.9	200	ug/Kg
131-11-3	Dimethylphthalate	31.5	U	31.5	200	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-50	SDG No.:	Q2150
Lab Sample ID:	Q2150-06	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86
Sample Wt/Vol:	30.02 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
BF142584.D	1	05/30/25 09:50	05/30/25 22:11	PB168211

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	33.6	U	33.6	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	39.0	U	39.0	200	ug/Kg
99-09-2	3-Nitroaniline	53.5	U	53.5	200	ug/Kg
83-32-9	Acenaphthene	24.8	U	24.8	200	ug/Kg
51-28-5	2,4-Dinitrophenol	270	U	270	380	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	380	ug/Kg
132-64-9	Dibenzofuran	26.4	U	26.4	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	58.2	U	58.2	200	ug/Kg
84-66-2	Diethylphthalate	32.9	U	32.9	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	31.0	U	31.0	200	ug/Kg
86-73-7	Fluorene	29.4	U	29.4	200	ug/Kg
100-01-6	4-Nitroaniline	74.6	U	74.6	200	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	U	120	380	ug/Kg
86-30-6	n-Nitrosodiphenylamine	38.2	U	38.2	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	32.3	U	32.3	200	ug/Kg
118-74-1	Hexachlorobenzene	29.4	U	29.4	200	ug/Kg
1912-24-9	Atrazine	39.5	U	39.5	200	ug/Kg
87-86-5	Pentachlorophenol	59.6	U	59.6	380	ug/Kg
85-01-8	Phenanthrene	280		24.3	200	ug/Kg
120-12-7	Anthracene	86.9	J	38.7	200	ug/Kg
86-74-8	Carbazole	36.3	U	36.3	200	ug/Kg
84-74-2	Di-n-butylphthalate	55.7	U	55.7	200	ug/Kg
206-44-0	Fluoranthene	670		34.9	200	ug/Kg
129-00-0	Pyrene	350		41.8	200	ug/Kg
85-68-7	Butylbenzylphthalate	83.0	U	83.0	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	42.6	U	42.6	380	ug/Kg
56-55-3	Benzo(a)anthracene	340		26.7	200	ug/Kg
218-01-9	Chrysene	290		23.1	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	68.8	U	68.8	200	ug/Kg
117-84-0	Di-n-octyl phthalate	100	U	100	380	ug/Kg
205-99-2	Benzo(b)fluoranthene	440		22.1	200	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-50	SDG No.:	Q2150
Lab Sample ID:	Q2150-06	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86
Sample Wt/Vol:	30.02 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
BF142584.D	1	05/30/25 09:50	05/30/25 22:11	PB168211

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	150	J	26.0	200	ug/Kg
50-32-8	Benzo(a)pyrene	320		34.3	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	110	J	33.8	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	31.8	U	31.8	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	130	J	29.9	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	29.7	U	29.7	200	ug/Kg
123-91-1	1,4-Dioxane	52.5	U	52.5	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	31.8	U	31.8	200	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	77.6		18 - 112	52%	SPK: 150
13127-88-3	Phenol-d6	75.5		15 - 107	50%	SPK: 150
4165-60-0	Nitrobenzene-d5	49.6		18 - 107	50%	SPK: 100
321-60-8	2-Fluorobiphenyl	53.5		20 - 109	53%	SPK: 100
118-79-6	2,4,6-Tribromophenol	61.4		10 - 116	41%	SPK: 150
1718-51-0	Terphenyl-d14	33.4		10 - 105	33%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	132000	6.898			
1146-65-2	Naphthalene-d8	471000	8.181			
15067-26-2	Acenaphthene-d10	213000	9.934			
1517-22-2	Phenanthrene-d10	295000	11.422			
1719-03-5	Chrysene-d12	274000	14.069			
1520-96-3	Perylene-d12	279000	15.563			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	250	AB		5.12	ug/Kg
000119-61-9	Benzophenone	130	J		10.6	ug/Kg
000057-10-3	n-Hexadecanoic acid	240	J		11.9	ug/Kg
000203-64-5	4H-Cyclopenta[def]phenanthrene	90.2	J		12.0	ug/Kg
000479-79-8	11H-Benzo[a]fluoren-11-one	110	J		13.9	ug/Kg
000192-97-2	Benzo[e]pyrene	210	J		15.4	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-50	SDG No.:	Q2150
Lab Sample ID:	Q2150-06	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86
Sample Wt/Vol:	30.02 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
BF142584.D	1	05/30/25 09:50	05/30/25 22:11	PB168211

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:	CDM Smith	Date Collected:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-51	SDG No.:	Q2150
Lab Sample ID:	Q2150-07	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	83.7
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
BF142579.D	1	05/30/25 09:50	05/30/25 19:45	PB168211

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	26.4	U	26.4	200	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	29.0	U	29.0	200	ug/Kg
95-57-8	2-Chlorophenol	29.1	U	29.1	200	ug/Kg
95-48-7	2-Methylphenol	35.7	U	35.7	200	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	44.8	U	44.8	200	ug/Kg
98-86-2	Acetophenone	35.2	U	35.2	200	ug/Kg
65794-96-9	3+4-Methylphenols	49.1	U	49.1	390	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	56.6	U	56.6	95.5	ug/Kg
67-72-1	Hexachloroethane	21.0	U	21.0	200	ug/Kg
98-95-3	Nitrobenzene	21.8	U	21.8	200	ug/Kg
78-59-1	Isophorone	39.1	U	39.1	200	ug/Kg
88-75-5	2-Nitrophenol	69.5	U	69.5	200	ug/Kg
105-67-9	2,4-Dimethylphenol	77.3	U	77.3	200	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	36.8	U	36.8	200	ug/Kg
120-83-2	2,4-Dichlorophenol	33.8	U	33.8	200	ug/Kg
91-20-3	Naphthalene	27.1	U	27.1	200	ug/Kg
106-47-8	4-Chloroaniline	42.3	U	42.3	200	ug/Kg
87-68-3	Hexachlorobutadiene	30.2	U	30.2	200	ug/Kg
105-60-2	Caprolactam	62.2	U	62.2	390	ug/Kg
59-50-7	4-Chloro-3-methylphenol	34.3	U	34.3	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	23.6	U	23.6	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	34.7	U	34.7	200	ug/Kg
92-52-4	1,1-Biphenyl	26.0	U	26.0	200	ug/Kg
91-58-7	2-Chloronaphthalene	26.9	U	26.9	200	ug/Kg
88-74-4	2-Nitroaniline	57.4	U	57.4	200	ug/Kg
131-11-3	Dimethylphthalate	32.3	U	32.3	200	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-51	SDG No.:	Q2150
Lab Sample ID:	Q2150-07	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	83.7
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
BF142579.D	1	05/30/25 09:50	05/30/25 19:45	PB168211

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	34.5	U	34.5	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	40.1	U	40.1	200	ug/Kg
99-09-2	3-Nitroaniline	54.9	U	54.9	200	ug/Kg
83-32-9	Acenaphthene	25.4	U	25.4	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	27.1	U	27.1	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	59.8	U	59.8	200	ug/Kg
84-66-2	Diethylphthalate	33.8	U	33.8	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	31.9	U	31.9	200	ug/Kg
86-73-7	Fluorene	30.2	U	30.2	200	ug/Kg
100-01-6	4-Nitroaniline	76.6	U	76.6	200	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	U	120	390	ug/Kg
86-30-6	n-Nitrosodiphenylamine	39.3	U	39.3	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	33.2	U	33.2	200	ug/Kg
118-74-1	Hexachlorobenzene	30.2	U	30.2	200	ug/Kg
1912-24-9	Atrazine	40.6	U	40.6	200	ug/Kg
87-86-5	Pentachlorophenol	61.2	U	61.2	390	ug/Kg
85-01-8	Phenanthrene	24.9	U	24.9	200	ug/Kg
120-12-7	Anthracene	39.7	U	39.7	200	ug/Kg
86-74-8	Carbazole	37.2	U	37.2	200	ug/Kg
84-74-2	Di-n-butylphthalate	57.2	U	57.2	200	ug/Kg
206-44-0	Fluoranthene	35.8	U	35.8	200	ug/Kg
129-00-0	Pyrene	43.0	U	43.0	200	ug/Kg
85-68-7	Butylbenzylphthalate	85.2	U	85.2	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	43.8	U	43.8	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	70.7	U	70.7	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:	CDM Smith	Date Collected:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-51	SDG No.:	Q2150
Lab Sample ID:	Q2150-07	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	83.7
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
BF142579.D	1	05/30/25 09:50	05/30/25 19:45	PB168211

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	26.7	U	26.7	200	ug/Kg
50-32-8	Benzo(a)pyrene	35.2	U	35.2	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	34.7	U	34.7	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	32.7	U	32.7	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	30.7	U	30.7	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	53.9	U	53.9	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	32.7	U	32.7	200	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	122		18 - 112	81%	SPK: 150
13127-88-3	Phenol-d6	126		15 - 107	84%	SPK: 150
4165-60-0	Nitrobenzene-d5	78.0		18 - 107	78%	SPK: 100
321-60-8	2-Fluorobiphenyl	72.9		20 - 109	73%	SPK: 100
118-79-6	2,4,6-Tribromophenol	121		10 - 116	81%	SPK: 150
1718-51-0	Terphenyl-d14	70.5		10 - 105	71%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	123000	6.898			
1146-65-2	Naphthalene-d8	466000	8.181			
15067-26-2	Acenaphthene-d10	242000	9.933			
1517-22-2	Phenanthrene-d10	396000	11.422			
1719-03-5	Chrysene-d12	235000	14.063			
1520-96-3	Perylene-d12	242000	15.562			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	410	AB		5.13	ug/Kg
	unknown10.345	130	J		10.3	ug/Kg
000119-61-9	Benzophenone	200	J		10.7	ug/Kg
000057-10-3	n-Hexadecanoic acid	330	J		11.9	ug/Kg
010192-32-2	1-Tetracosene	430	J		13.9	ug/Kg
1000406-04-8	Pentadecafluorooctanoic acid, octa	110	J		14.5	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-51	SDG No.:	Q2150
Lab Sample ID:	Q2150-07	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	83.7
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
BF142579.D	1	05/30/25 09:50	05/30/25 19:45	PB168211

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:	CDM Smith	Date Collected:	05/28/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-52	SDG No.:	Q2150
Lab Sample ID:	Q2150-08	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	85.7
Sample Wt/Vol:	30.05 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
BF142585.D	1	05/30/25 09:50	05/30/25 22:41	PB168211

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	25.7	U	25.7	200	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	28.3	U	28.3	200	ug/Kg
95-57-8	2-Chlorophenol	28.4	U	28.4	200	ug/Kg
95-48-7	2-Methylphenol	34.8	U	34.8	200	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	43.7	U	43.7	200	ug/Kg
98-86-2	Acetophenone	34.4	U	34.4	200	ug/Kg
65794-96-9	3+4-Methylphenols	47.9	U	47.9	380	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	55.2	U	55.2	93.2	ug/Kg
67-72-1	Hexachloroethane	20.5	U	20.5	200	ug/Kg
98-95-3	Nitrobenzene	21.3	U	21.3	200	ug/Kg
78-59-1	Isophorone	38.2	U	38.2	200	ug/Kg
88-75-5	2-Nitrophenol	67.8	U	67.8	200	ug/Kg
105-67-9	2,4-Dimethylphenol	75.5	U	75.5	200	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	35.9	U	35.9	200	ug/Kg
120-83-2	2,4-Dichlorophenol	33.0	U	33.0	200	ug/Kg
91-20-3	Naphthalene	26.4	U	26.4	200	ug/Kg
106-47-8	4-Chloroaniline	41.2	U	41.2	200	ug/Kg
87-68-3	Hexachlorobutadiene	29.5	U	29.5	200	ug/Kg
105-60-2	Caprolactam	60.7	U	60.7	380	ug/Kg
59-50-7	4-Chloro-3-methylphenol	33.4	U	33.4	200	ug/Kg
91-57-6	2-Methylnaphthalene	29.8	U	29.8	200	ug/Kg
77-47-4	Hexachlorocyclopentadiene	140	U	140	380	ug/Kg
88-06-2	2,4,6-Trichlorophenol	23.1	U	23.1	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	33.9	U	33.9	200	ug/Kg
92-52-4	1,1-Biphenyl	25.4	U	25.4	200	ug/Kg
91-58-7	2-Chloronaphthalene	26.2	U	26.2	200	ug/Kg
88-74-4	2-Nitroaniline	56.0	U	56.0	200	ug/Kg
131-11-3	Dimethylphthalate	31.6	U	31.6	200	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/28/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-52	SDG No.:	Q2150
Lab Sample ID:	Q2150-08	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	85.7
Sample Wt/Vol:	30.05 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
BF142585.D	1	05/30/25 09:50	05/30/25 22:41	PB168211

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	92.6	J	33.7	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	39.1	U	39.1	200	ug/Kg
99-09-2	3-Nitroaniline	53.6	U	53.6	200	ug/Kg
83-32-9	Acenaphthene	24.8	U	24.8	200	ug/Kg
51-28-5	2,4-Dinitrophenol	270	U	270	380	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	380	ug/Kg
132-64-9	Dibenzofuran	26.4	U	26.4	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	58.4	U	58.4	200	ug/Kg
84-66-2	Diethylphthalate	33.0	U	33.0	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	31.1	U	31.1	200	ug/Kg
86-73-7	Fluorene	29.5	U	29.5	200	ug/Kg
100-01-6	4-Nitroaniline	74.8	U	74.8	200	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	U	120	380	ug/Kg
86-30-6	n-Nitrosodiphenylamine	38.3	U	38.3	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	32.4	U	32.4	200	ug/Kg
118-74-1	Hexachlorobenzene	29.5	U	29.5	200	ug/Kg
1912-24-9	Atrazine	39.6	U	39.6	200	ug/Kg
87-86-5	Pentachlorophenol	59.8	U	59.8	380	ug/Kg
85-01-8	Phenanthrene	270		24.3	200	ug/Kg
120-12-7	Anthracene	140	J	38.8	200	ug/Kg
86-74-8	Carbazole	36.3	U	36.3	200	ug/Kg
84-74-2	Di-n-butylphthalate	55.8	U	55.8	200	ug/Kg
206-44-0	Fluoranthene	1300		34.9	200	ug/Kg
129-00-0	Pyrene	770		41.9	200	ug/Kg
85-68-7	Butylbenzylphthalate	83.2	U	83.2	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	42.8	U	42.8	380	ug/Kg
56-55-3	Benzo(a)anthracene	750		26.8	200	ug/Kg
218-01-9	Chrysene	780		23.2	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	69.0	U	69.0	200	ug/Kg
117-84-0	Di-n-octyl phthalate	100	U	100	380	ug/Kg
205-99-2	Benzo(b)fluoranthene	1100		22.1	200	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/28/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-52	SDG No.:	Q2150
Lab Sample ID:	Q2150-08	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	85.7
Sample Wt/Vol:	30.05 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
BF142585.D	1	05/30/25 09:50	05/30/25 22:41	PB168211

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	360		26.1	200	ug/Kg
50-32-8	Benzo(a)pyrene	830		34.4	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	300		33.9	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	93.9	J	31.9	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	350		29.9	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	29.8	U	29.8	200	ug/Kg
123-91-1	1,4-Dioxane	52.7	U	52.7	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	31.9	U	31.9	200	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	89.7		18 - 112	60%	SPK: 150
13127-88-3	Phenol-d6	89.5		15 - 107	60%	SPK: 150
4165-60-0	Nitrobenzene-d5	57.0		18 - 107	57%	SPK: 100
321-60-8	2-Fluorobiphenyl	55.0		20 - 109	55%	SPK: 100
118-79-6	2,4,6-Tribromophenol	75.4		10 - 116	50%	SPK: 150
1718-51-0	Terphenyl-d14	36.4		10 - 105	36%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	134000	6.898			
1146-65-2	Naphthalene-d8	477000	8.181			
15067-26-2	Acenaphthene-d10	214000	9.939			
1517-22-2	Phenanthrene-d10	298000	11.427			
1719-03-5	Chrysene-d12	272000	14.068			
1520-96-3	Perylene-d12	265000	15.568			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	290	AB		5.12	ug/Kg
000111-76-2	Ethanol, 2-butoxy-	79.6	J		5.84	ug/Kg
000119-61-9	Benzophenone	170	J		10.6	ug/Kg
000057-10-3	n-Hexadecanoic acid	460	J		12.0	ug/Kg
000203-64-5	4H-Cyclopenta[def]phenanthrene	220	J		12.0	ug/Kg
003674-66-6	Phenanthrene, 2,5-dimethyl-	100	J		12.5	ug/Kg
000781-17-9	Pyrene, 4,5,9,10-tetrahydro-	83.1	J		12.5	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/28/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-52	SDG No.:	Q2150
Lab Sample ID:	Q2150-08	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	85.7
Sample Wt/Vol:	30.05 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
BF142585.D	1	05/30/25 09:50	05/30/25 22:41	PB168211

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
000238-84-6	11H-Benzo[a]fluorene	130	J		13.2	ug/Kg
1000406-04-8	Pentadecafluorooctanoic acid, octa	94.4	J		13.9	ug/Kg
000192-97-2	Benzo[e]pyrene	190	J		15.2	ug/Kg
000198-55-0	Perylene	630	J		15.4	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:	CDM Smith	Date Collected:	05/28/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-54	SDG No.:	Q2150
Lab Sample ID:	Q2150-09	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	83.6
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
BF142570.D	1	05/30/25 09:50	05/30/25 15:21	PB168211

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	26.4	U	26.4	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)	44.8	U	44.8	200	ug/Kg
98-86-2	Acetophenone	35.3	U	35.3	200	ug/Kg
65794-96-9	3+4-Methylphenols	49.1	U	49.1	390	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	56.7	U	56.7	95.7	ug/Kg
67-72-1	Hexachloroethane	21.0	U	21.0	200	ug/Kg
98-95-3	Nitrobenzene	21.9	U	21.9	200	ug/Kg
78-59-1	Isophorone	39.2	U	39.2	200	ug/Kg
88-75-5	2-Nitrophenol	69.6	U	69.6	200	ug/Kg
105-67-9	2,4-Dimethylphenol	77.5	U	77.5	200	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	36.8	U	36.8	200	ug/Kg
120-83-2	2,4-Dichlorophenol	33.8	U	33.8	200	ug/Kg
91-20-3	Naphthalene	27.1	U	27.1	200	ug/Kg
106-47-8	4-Chloroaniline	42.3	U	42.3	200	ug/Kg
87-68-3	Hexachlorobutadiene	30.3	U	30.3	200	ug/Kg
105-60-2	Caprolactam	62.3	U	62.3	390	ug/Kg
59-50-7	4-Chloro-3-methylphenol	34.3	U	34.3	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	57.5	U	57.5	200	ug/Kg
131-11-3	Dimethylphthalate	32.4	U	32.4	200	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/28/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-54	SDG No.:	Q2150
Lab Sample ID:	Q2150-09	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	83.6
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
BF142570.D	1	05/30/25 09:50	05/30/25 15:21	PB168211

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	55.0	U	55.0	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	27.1	U	27.1	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	59.9	U	59.9	200	ug/Kg
84-66-2	Diethylphthalate	33.8	U	33.8	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	31.9	U	31.9	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	39.3	U	39.3	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	33.2	U	33.2	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	61.3	U	61.3	390	ug/Kg
85-01-8	Phenanthrene	25.0	U	25.0	200	ug/Kg
120-12-7	Anthracene	39.8	U	39.8	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	43.0	U	43.0	200	ug/Kg
85-68-7	Butylbenzylphthalate	85.4	U	85.4	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	43.9	U	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	70.8	U	70.8	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:	CDM Smith	Date Collected:	05/28/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-54	SDG No.:	Q2150
Lab Sample ID:	Q2150-09	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	83.6
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
BF142570.D	1	05/30/25 09:50	05/30/25 15:21	PB168211

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	30.7	U	30.7	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	54.0	U	54.0	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	108		18 - 112	72%	SPK: 150
13127-88-3	Phenol-d6	112		15 - 107	75%	SPK: 150
4165-60-0	Nitrobenzene-d5	68.7		18 - 107	69%	SPK: 100
321-60-8	2-Fluorobiphenyl	62.7		20 - 109	63%	SPK: 100
118-79-6	2,4,6-Tribromophenol	118		10 - 116	79%	SPK: 150
1718-51-0	Terphenyl-d14	62.3		10 - 105	62%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	118000	6.898			
1146-65-2	Naphthalene-d8	442000	8.181			
15067-26-2	Acenaphthene-d10	231000	9.933			
1517-22-2	Phenanthrene-d10	379000	11.422			
1719-03-5	Chrysene-d12	216000	14.068			
1520-96-3	Perylene-d12	226000	15.562			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	360	AB		5.12	ug/Kg
000119-61-9	Benzophenone	250	J		10.7	ug/Kg
000057-10-3	n-Hexadecanoic acid	550	J		12.0	ug/Kg
000057-11-4	Octadecanoic acid	110	J		12.7	ug/Kg
079392-43-1	Octadecyl trifluoroacetate	360	J		13.9	ug/Kg
007683-64-9	Supraene	110	J		14.9	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/28/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-54	SDG No.:	Q2150
Lab Sample ID:	Q2150-09	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	83.6
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
BF142570.D	1	05/30/25 09:50	05/30/25 15:21	PB168211

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:	CDM Smith	Date Collected:	05/28/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-53	SDG No.:	Q2150
Lab Sample ID:	Q2150-10	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	85.3
Sample Wt/Vol:	30.05 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
BF142582.D	1	05/30/25 09:50	05/30/25 21:13	PB168211

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	180	U	180	390	ug/Kg
108-95-2	Phenol	25.9	U	25.9	200	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	28.4	U	28.4	200	ug/Kg
95-57-8	2-Chlorophenol	28.6	U	28.6	200	ug/Kg
95-48-7	2-Methylphenol	35.0	U	35.0	200	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	43.9	U	43.9	200	ug/Kg
98-86-2	Acetophenone	34.5	U	34.5	200	ug/Kg
65794-96-9	3+4-Methylphenols	48.1	U	48.1	390	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	55.5	U	55.5	93.6	ug/Kg
67-72-1	Hexachloroethane	20.6	U	20.6	200	ug/Kg
98-95-3	Nitrobenzene	21.4	U	21.4	200	ug/Kg
78-59-1	Isophorone	38.4	U	38.4	200	ug/Kg
88-75-5	2-Nitrophenol	68.1	U	68.1	200	ug/Kg
105-67-9	2,4-Dimethylphenol	75.8	U	75.8	200	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	36.0	U	36.0	200	ug/Kg
120-83-2	2,4-Dichlorophenol	33.1	U	33.1	200	ug/Kg
91-20-3	Naphthalene	26.6	U	26.6	200	ug/Kg
106-47-8	4-Chloroaniline	41.4	U	41.4	200	ug/Kg
87-68-3	Hexachlorobutadiene	29.6	U	29.6	200	ug/Kg
105-60-2	Caprolactam	61.0	U	61.0	390	ug/Kg
59-50-7	4-Chloro-3-methylphenol	33.6	U	33.6	200	ug/Kg
91-57-6	2-Methylnaphthalene	30.0	U	30.0	200	ug/Kg
77-47-4	Hexachlorocyclopentadiene	140	U	140	390	ug/Kg
88-06-2	2,4,6-Trichlorophenol	23.2	U	23.2	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	34.1	U	34.1	200	ug/Kg
92-52-4	1,1-Biphenyl	25.5	U	25.5	200	ug/Kg
91-58-7	2-Chloronaphthalene	26.3	U	26.3	200	ug/Kg
88-74-4	2-Nitroaniline	56.3	U	56.3	200	ug/Kg
131-11-3	Dimethylphthalate	31.7	U	31.7	200	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/28/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-53	SDG No.:	Q2150
Lab Sample ID:	Q2150-10	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	85.3
Sample Wt/Vol:	30.05 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
BF142582.D	1	05/30/25 09:50	05/30/25 21:13	PB168211

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	33.8	U	33.8	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	39.3	U	39.3	200	ug/Kg
99-09-2	3-Nitroaniline	53.8	U	53.8	200	ug/Kg
83-32-9	Acenaphthene	24.9	U	24.9	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	26.6	U	26.6	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	58.6	U	58.6	200	ug/Kg
84-66-2	Diethylphthalate	33.1	U	33.1	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	31.2	U	31.2	200	ug/Kg
86-73-7	Fluorene	29.6	U	29.6	200	ug/Kg
100-01-6	4-Nitroaniline	75.1	U	75.1	200	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	U	120	390	ug/Kg
86-30-6	n-Nitrosodiphenylamine	38.5	U	38.5	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	32.5	U	32.5	200	ug/Kg
118-74-1	Hexachlorobenzene	29.6	U	29.6	200	ug/Kg
1912-24-9	Atrazine	39.8	U	39.8	200	ug/Kg
87-86-5	Pentachlorophenol	60.0	U	60.0	390	ug/Kg
85-01-8	Phenanthrene	24.5	U	24.5	200	ug/Kg
120-12-7	Anthracene	39.0	U	39.0	200	ug/Kg
86-74-8	Carbazole	36.5	U	36.5	200	ug/Kg
84-74-2	Di-n-butylphthalate	56.1	U	56.1	200	ug/Kg
206-44-0	Fluoranthene	35.1	U	35.1	200	ug/Kg
129-00-0	Pyrene	42.1	U	42.1	200	ug/Kg
85-68-7	Butylbenzylphthalate	83.6	U	83.6	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	43.0	U	43.0	390	ug/Kg
56-55-3	Benzo(a)anthracene	26.9	U	26.9	200	ug/Kg
218-01-9	Chrysene	23.3	U	23.3	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	69.3	U	69.3	200	ug/Kg
117-84-0	Di-n-octyl phthalate	100	U	100	390	ug/Kg
205-99-2	Benzo(b)fluoranthene	22.2	U	22.2	200	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/28/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-53	SDG No.:	Q2150
Lab Sample ID:	Q2150-10	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	85.3
Sample Wt/Vol:	30.05 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
BF142582.D	1	05/30/25 09:50	05/30/25 21:13	PB168211

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	26.2	U	26.2	200	ug/Kg
50-32-8	Benzo(a)pyrene	34.5	U	34.5	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	34.1	U	34.1	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	32.1	U	32.1	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	30.1	U	30.1	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	30.0	U	30.0	200	ug/Kg
123-91-1	1,4-Dioxane	52.9	U	52.9	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	32.1	U	32.1	200	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	82.6		18 - 112	55%	SPK: 150
13127-88-3	Phenol-d6	84.0		15 - 107	56%	SPK: 150
4165-60-0	Nitrobenzene-d5	51.5		18 - 107	52%	SPK: 100
321-60-8	2-Fluorobiphenyl	47.6		20 - 109	48%	SPK: 100
118-79-6	2,4,6-Tribromophenol	73.2		10 - 116	49%	SPK: 150
1718-51-0	Terphenyl-d14	43.9		10 - 105	44%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	130000	6.898			
1146-65-2	Naphthalene-d8	495000	8.181			
15067-26-2	Acenaphthene-d10	255000	9.933			
1517-22-2	Phenanthrene-d10	399000	11.422			
1719-03-5	Chrysene-d12	232000	14.063			
1520-96-3	Perylene-d12	263000	15.562			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	270	AB		5.12	ug/Kg
000119-61-9	Benzophenone	130	J		10.7	ug/Kg
000057-10-3	n-Hexadecanoic acid	150	J		11.9	ug/Kg
074339-54-1	Trichloroacetic acid, hexadecyl es	160	J		13.9	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/28/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-53	SDG No.:	Q2150
Lab Sample ID:	Q2150-10	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	85.3
Sample Wt/Vol:	30.05 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
BF142582.D	1	05/30/25 09:50	05/30/25 21:13	PB168211

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

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Surrogate Summary

SW-846

SDG No.: Q2150

Client: CDM Smith

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB168211BL	PB168211BL	2-Fluorophenol	150	120	80		18	112
		Phenol-d6	150	121	81		15	107
		Nitrobenzene-d5	100	74.3	74		18	107
		2-Fluorobiphenyl	100	71.1	71		20	109
		2,4,6-Tribromophenol	150	124	83		10	116
		Terphenyl-d14	100	68.4	68		10	105
PB168211BS	PB168211BS	2-Fluorophenol	150	118	78		18	112
		Phenol-d6	150	120	80		15	107
		Nitrobenzene-d5	100	73.3	73		18	107
		2-Fluorobiphenyl	100	70.5	70		20	109
		2,4,6-Tribromophenol	150	127	85		10	116
		Terphenyl-d14	100	73.7	74		10	105
Q2150-01	TP-44	2-Fluorophenol	150	69.9	47		18	112
		Phenol-d6	150	67.4	45		15	107
		Nitrobenzene-d5	100	47.1	47		18	107
		2-Fluorobiphenyl	100	50.2	50		20	109
		2,4,6-Tribromophenol	150	63.6	42		10	116
		Terphenyl-d14	100	31.1	31		10	105
Q2150-01DL	TP-44DL	2-Fluorophenol	150	78.1	52		18	112
		Phenol-d6	150	78.6	52		15	107
		Nitrobenzene-d5	100	48.2	48		18	107
		2-Fluorobiphenyl	100	53.3	53		20	109
		2,4,6-Tribromophenol	150	62.5	42		10	116
		Terphenyl-d14	100	33.9	34		10	105
Q2150-02	TP-42	2-Fluorophenol	150	78.1	52		18	112
		Phenol-d6	150	78.9	53		15	107
		Nitrobenzene-d5	100	48.9	49		18	107
		2-Fluorobiphenyl	100	46.0	46		20	109
		2,4,6-Tribromophenol	150	69.5	46		10	116
		Terphenyl-d14	100	37.3	37		10	105
Q2150-03	TP-39	2-Fluorophenol	150	122	81		18	112
		Phenol-d6	150	126	84		15	107
		Nitrobenzene-d5	100	77.9	78		18	107
		2-Fluorobiphenyl	100	71.9	72		20	109
		2,4,6-Tribromophenol	150	124	82		10	116
		Terphenyl-d14	100	67.6	68		10	105
Q2150-04	TP-48	2-Fluorophenol	150	128	85		18	112
		Phenol-d6	150	130	87		15	107
		Nitrobenzene-d5	100	83.0	83		18	107
		2-Fluorobiphenyl	100	74.0	74		20	109
		2,4,6-Tribromophenol	150	128	85		10	116
		Terphenyl-d14	100	67.5	67		10	105
Q2150-05	TP-47	2-Fluorophenol	150	81.7	54		18	112
		Phenol-d6	150	83.6	56		15	107
		Nitrobenzene-d5	100	51.5	51		18	107
		2-Fluorobiphenyl	100	49.7	50		20	109
		2,4,6-Tribromophenol	150	80.9	54		10	116
		Terphenyl-d14	100	45.5	45		10	105
Q2150-06	TP-50	2-Fluorophenol	150	77.6	52		18	112
		Phenol-d6	150	75.5	50		15	107
		Nitrobenzene-d5	100	49.6	50		18	107

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Surrogate Summary

SW-846

SDG No.: Q2150

Client: CDM Smith

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
Q2150-06	TP-50	2-Fluorobiphenyl	100	53.5	53		20	109
		2,4,6-Tribromophenol	150	61.4	41		10	116
		Terphenyl-d14	100	33.4	33		10	105
Q2150-07	TP-51	2-Fluorophenol	150	122	81		18	112
		Phenol-d6	150	126	84		15	107
		Nitrobenzene-d5	100	78.0	78		18	107
		2-Fluorobiphenyl	100	72.9	73		20	109
		2,4,6-Tribromophenol	150	121	81		10	116
		Terphenyl-d14	100	70.5	71		10	105
Q2150-08	TP-52	2-Fluorophenol	150	89.7	60		18	112
		Phenol-d6	150	89.5	60		15	107
		Nitrobenzene-d5	100	57.0	57		18	107
		2-Fluorobiphenyl	100	55.0	55		20	109
		2,4,6-Tribromophenol	150	75.4	50		10	116
		Terphenyl-d14	100	36.4	36		10	105
Q2150-09	TP-54	2-Fluorophenol	150	108	72		18	112
		Phenol-d6	150	112	75		15	107
		Nitrobenzene-d5	100	68.7	69		18	107
		2-Fluorobiphenyl	100	62.7	63		20	109
		2,4,6-Tribromophenol	150	118	79		10	116
		Terphenyl-d14	100	62.3	62		10	105
Q2150-09MS	TP-54MS	2-Fluorophenol	150	86.9	58		18	112
		Phenol-d6	150	89.9	60		15	107
		Nitrobenzene-d5	100	55.3	55		18	107
		2-Fluorobiphenyl	100	52.7	53		20	109
		2,4,6-Tribromophenol	150	92.4	62		10	116
		Terphenyl-d14	100	51.3	51		10	105
Q2150-09MSD	TP-54MSD	2-Fluorophenol	150	88.2	59		18	112
		Phenol-d6	150	90.6	60		15	107
		Nitrobenzene-d5	100	55.6	56		18	107
		2-Fluorobiphenyl	100	53.1	53		20	109
		2,4,6-Tribromophenol	150	94.6	63		10	116
		Terphenyl-d14	100	52.7	53		10	105
Q2150-10	TP-53	2-Fluorophenol	150	82.6	55		18	112
		Phenol-d6	150	84.0	56		15	107
		Nitrobenzene-d5	100	51.5	52		18	107
		2-Fluorobiphenyl	100	47.6	48		20	109
		2,4,6-Tribromophenol	150	73.2	49		10	116
		Terphenyl-d14	100	43.9	44		10	105

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2150

Client: CDM Smith

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q2150-09MS		**Client Sample ID: TP-54MS**						**DataFile: BF142571.D**			
Benzaldehyde	2000	0	1500	ug/Kg	75				10	171	
Phenol	2000	0	1600	ug/Kg	80				51	122	
bis(2-Chloroethyl)ether	2000	0	1700	ug/Kg	85				54	125	
2-Chlorophenol	2000	0	1700	ug/Kg	85				51	121	
2-Methylphenol	2000	0	1600	ug/Kg	80				47	125	
2,2-oxybis(1-Chloropropane)	2000	0	1600	ug/Kg	80				46	119	
Acetophenone	2000	0	1700	ug/Kg	85				55	128	
3+4-Methylphenols	2000	0	1600	ug/Kg	80				49	125	
N-Nitroso-di-n-propylamine	2000	0	1600	ug/Kg	80				59	119	
Hexachloroethane	2000	0	1600	ug/Kg	80				51	116	
Nitrobenzene	2000	0	1700	ug/Kg	85				47	124	
Isophorone	2000	0	1600	ug/Kg	80				49	127	
2-Nitrophenol	2000	0	1800	ug/Kg	90				43	131	
2,4-Dimethylphenol	2000	0	1700	ug/Kg	85				63	151	
bis(2-Chloroethoxy)methane	2000	0	1700	ug/Kg	85				51	119	
2,4-Dichlorophenol	2000	0	1700	ug/Kg	85				50	122	
Naphthalene	2000	0	1700	ug/Kg	85				51	121	
4-Chloroaniline	2000	0	360	ug/Kg	18				10	100	
Hexachlorobutadiene	2000	0	1700	ug/Kg	85				44	126	
Caprolactam	2000	0	1800	ug/Kg	90				51	134	
4-Chloro-3-methylphenol	2000	0	1600	ug/Kg	80				57	132	
2-Methylnaphthalene	2000	0	1600	ug/Kg	80				59	123	
Hexachlorocyclopentadiene	4000	0	3200	ug/Kg	80				10	175	
2,4,6-Trichlorophenol	2000	0	1700	ug/Kg	85				33	141	
2,4,5-Trichlorophenol	2000	0	1700	ug/Kg	85				38	135	
1,1-Biphenyl	2000	0	1700	ug/Kg	85				55	131	
2-Chloronaphthalene	2000	0	1700	ug/Kg	85				48	124	
2-Nitroaniline	2000	0	1700	ug/Kg	85				47	134	
Dimethylphthalate	2000	0	1700	ug/Kg	85				54	120	
Acenaphthylene	2000	0	1700	ug/Kg	85				57	125	
2,6-Dinitrotoluene	2000	0	1800	ug/Kg	90				48	127	
3-Nitroaniline	2000	0	730	ug/Kg	37				10	112	
Acenaphthene	2000	0	1800	ug/Kg	90				70	121	
2,4-Dinitrophenol	4000	0	3700	ug/Kg	93				10	155	
4-Nitrophenol	4000	0	3500	ug/Kg	88				10	175	
Dibenzofuran	2000	0	1700	ug/Kg	85				52	114	
2,4-Dinitrotoluene	2000	0	1800	ug/Kg	90				41	140	
Diethylphthalate	2000	0	1700	ug/Kg	85				51	119	
4-Chlorophenyl-phenylether	2000	0	1700	ug/Kg	85				48	122	
Fluorene	2000	0	1600	ug/Kg	80				53	118	
4-Nitroaniline	2000	0	1700	ug/Kg	85				29	140	
4,6-Dinitro-2-methylphenol	2000	0	1900	ug/Kg	95				10	160	
N-Nitrosodiphenylamine	2000	0	1700	ug/Kg	85				73	118	
4-Bromophenyl-phenylether	2000	0	1700	ug/Kg	85				65	121	
Hexachlorobenzene	2000	0	1700	ug/Kg	85				67	118	
Atrazine	2000	0	1900	ug/Kg	95				45	175	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2150

Client: CDM Smith

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Pentachlorophenol	4000	0	3400	ug/Kg	85				13	153	
Phenanthrene	2000	0	1700	ug/Kg	85				52	128	
Anthracene	2000	0	1700	ug/Kg	85				62	124	
Carbazole	2000	0	1700	ug/Kg	85				59	119	
Di-n-butylphthalate	2000	0	1800	ug/Kg	90				55	125	
Fluoranthene	2000	0	1600	ug/Kg	80				44	125	
Pyrene	2000	0	1500	ug/Kg	75				37	122	
Butylbenzylphthalate	2000	0	2100	ug/Kg	105				44	135	
3,3-Dichlorobenzidine	2000	0	870	ug/Kg	44				15	112	
Benzo(a)anthracene	2000	0	1800	ug/Kg	90				53	119	
Chrysene	2000	0	1700	ug/Kg	85				57	121	
bis(2-Ethylhexyl)phthalate	2000	0	2200	ug/Kg	110				42	169	
Di-n-octyl phthalate	2000	0	1900	ug/Kg	95				51	156	
Benzo(b)fluoranthene	2000	0	1700	ug/Kg	85				52	117	
Benzo(k)fluoranthene	2000	0	1700	ug/Kg	85				57	134	
Benzo(a)pyrene	2000	0	1800	ug/Kg	90				70	142	
Indeno(1,2,3-cd)pyrene	2000	0	1700	ug/Kg	85				40	129	
Dibenz(a,h)anthracene	2000	0	1700	ug/Kg	85				43	123	
Benzo(g,h,i)perylene	2000	0	1700	ug/Kg	85				24	125	
1,2,4,5-Tetrachlorobenzene	2000	0	1800	ug/Kg	90				52	134	
1,4-Dioxane	2000	0	1500	ug/Kg	75				46	112	
2,3,4,6-Tetrachlorophenol	2000	0	1700	ug/Kg	85				24	146	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2150

Client: CDM Smith

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q2150-09MSD		**Client Sample ID: TP-54MSD**						**DataFile: BF142572.D**			
Benzaldehyde	2000	0	1500	ug/Kg	75	0			10	171	20
Phenol	2000	0	1700	ug/Kg	85	6			51	122	20
bis(2-Chloroethyl)ether	2000	0	1700	ug/Kg	85	0			54	125	20
2-Chlorophenol	2000	0	1700	ug/Kg	85	0			51	121	20
2-Methylphenol	2000	0	1700	ug/Kg	85	6			47	125	20
2,2-oxybis(1-Chloropropane)	2000	0	1700	ug/Kg	85	6			46	119	20
Acetophenone	2000	0	1700	ug/Kg	85	0			55	128	20
3+4-Methylphenols	2000	0	1600	ug/Kg	80	0			49	125	20
N-Nitroso-di-n-propylamine	2000	0	1600	ug/Kg	80	0			59	119	20
Hexachloroethane	2000	0	1700	ug/Kg	85	6			51	116	20
Nitrobenzene	2000	0	1700	ug/Kg	85	0			47	124	20
Isophorone	2000	0	1700	ug/Kg	85	6			49	127	20
2-Nitrophenol	2000	0	1800	ug/Kg	90	0			43	131	20
2,4-Dimethylphenol	2000	0	1700	ug/Kg	85	0			63	151	20
bis(2-Chloroethoxy)methane	2000	0	1700	ug/Kg	85	0			51	119	20
2,4-Dichlorophenol	2000	0	1700	ug/Kg	85	0			50	122	20
Naphthalene	2000	0	1700	ug/Kg	85	0			51	121	20
4-Chloroaniline	2000	0	400	ug/Kg	20	11			10	100	20
Hexachlorobutadiene	2000	0	1700	ug/Kg	85	0			44	126	20
Caprolactam	2000	0	1900	ug/Kg	95	5			51	134	20
4-Chloro-3-methylphenol	2000	0	1700	ug/Kg	85	6			57	132	20
2-Methylnaphthalene	2000	0	1600	ug/Kg	80	0			59	123	20
Hexachlorocyclopentadiene	4000	0	3200	ug/Kg	80	0			10	175	20
2,4,6-Trichlorophenol	2000	0	1800	ug/Kg	90	6			33	141	20
2,4,5-Trichlorophenol	2000	0	1700	ug/Kg	85	0			38	135	20
1,1-Biphenyl	2000	0	1700	ug/Kg	85	0			55	131	20
2-Chloronaphthalene	2000	0	1700	ug/Kg	85	0			48	124	20
2-Nitroaniline	2000	0	1700	ug/Kg	85	0			47	134	20
Dimethylphthalate	2000	0	1700	ug/Kg	85	0			54	120	20
Acenaphthylene	2000	0	1700	ug/Kg	85	0			57	125	20
2,6-Dinitrotoluene	2000	0	1800	ug/Kg	90	0			48	127	20
3-Nitroaniline	2000	0	750	ug/Kg	38	3			10	112	20
Acenaphthene	2000	0	1900	ug/Kg	95	5			70	121	20
2,4-Dinitrophenol	4000	0	3800	ug/Kg	95	2			10	155	20
4-Nitrophenol	4000	0	3500	ug/Kg	88	0			10	175	20
Dibenzofuran	2000	0	1700	ug/Kg	85	0			52	114	20
2,4-Dinitrotoluene	2000	0	1800	ug/Kg	90	0			41	140	20
Diethylphthalate	2000	0	1700	ug/Kg	85	0			51	119	20
4-Chlorophenyl-phenylether	2000	0	1700	ug/Kg	85	0			48	122	20
Fluorene	2000	0	1700	ug/Kg	85	6			53	118	20
4-Nitroaniline	2000	0	1700	ug/Kg	85	0			29	140	20
4,6-Dinitro-2-methylphenol	2000	0	1900	ug/Kg	95	0			10	160	20
N-Nitrosodiphenylamine	2000	0	1700	ug/Kg	85	0			73	118	20
4-Bromophenyl-phenylether	2000	0	1700	ug/Kg	85	0			65	121	20
Hexachlorobenzene	2000	0	1700	ug/Kg	85	0			67	118	20
Atrazine	2000	0	1900	ug/Kg	95	0			45	175	20

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2150

Client: CDM Smith

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Pentachlorophenol	4000	0	3400	ug/Kg	85	0			13	153	20
Phenanthrene	2000	0	1700	ug/Kg	85	0			52	128	20
Anthracene	2000	0	1700	ug/Kg	85	0			62	124	20
Carbazole	2000	0	1700	ug/Kg	85	0			59	119	20
Di-n-butylphthalate	2000	0	1900	ug/Kg	95	5			55	125	20
Fluoranthene	2000	0	1700	ug/Kg	85	6			44	125	20
Pyrene	2000	0	1600	ug/Kg	80	6			37	122	20
Butylbenzylphthalate	2000	0	2200	ug/Kg	110	5			44	135	20
3,3-Dichlorobenzidine	2000	0	860	ug/Kg	43	2			15	112	20
Benzo(a)anthracene	2000	0	1700	ug/Kg	85	6			53	119	20
Chrysene	2000	0	1800	ug/Kg	90	6			57	121	20
bis(2-Ethylhexyl)phthalate	2000	0	2200	ug/Kg	110	0			42	169	20
Di-n-octyl phthalate	2000	0	1900	ug/Kg	95	0			51	156	20
Benzo(b)fluoranthene	2000	0	1700	ug/Kg	85	0			52	117	20
Benzo(k)fluoranthene	2000	0	1800	ug/Kg	90	6			57	134	20
Benzo(a)pyrene	2000	0	1800	ug/Kg	90	0			70	142	20
Indeno(1,2,3-cd)pyrene	2000	0	1700	ug/Kg	85	0			40	129	20
Dibenz(a,h)anthracene	2000	0	1700	ug/Kg	85	0			43	123	20
Benzo(g,h,i)perylene	2000	0	1700	ug/Kg	85	0			24	125	20
1,2,4,5-Tetrachlorobenzene	2000	0	1800	ug/Kg	90	0			52	134	20
1,4-Dioxane	2000	0	1500	ug/Kg	75	0			46	112	20
2,3,4,6-Tetrachlorophenol	2000	0	1700	ug/Kg	85	0			24	146	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2150

Client: CDM Smith

Analytical Method: 8270E **DataFile:** BF142568.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB168211BS	Benzaldehyde	1700	1100	ug/Kg	65				10	133	
	Phenol	1700	1400	ug/Kg	82				62	112	
	bis(2-Chloroethyl)ether	1700	1400	ug/Kg	82				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	1300	ug/Kg	76				51	100	
	Acetophenone	1700	1400	ug/Kg	82				66	98	
	3+4-Methylphenols	1700	1400	ug/Kg	82				58	111	
	N-Nitroso-di-n-propylamine	1700	1300	ug/Kg	76				63	95	
	Hexachloroethane	1700	1300	ug/Kg	76				72	108	
	Nitrobenzene	1700	1400	ug/Kg	82				57	101	
	Isophorone	1700	1400	ug/Kg	82				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	1400	ug/Kg	82				66	97	
	2,4-Dichlorophenol	1700	1500	ug/Kg	88				62	107	
	Naphthalene	1700	1400	ug/Kg	82				62	100	
	4-Chloroaniline	1700	700	ug/Kg	41				16	100	
	Hexachlorobutadiene	1700	1300	ug/Kg	76				53	98	
	Caprolactam	1700	1700	ug/Kg	100				67	110	
	4-Chloro-3-methylphenol	1700	1500	ug/Kg	88				58	112	
	2-Methylnaphthalene	1700	1400	ug/Kg	82				60	104	
	Hexachlorocyclopentadiene	3300	2700	ug/Kg	82				45	165	
	2,4,6-Trichlorophenol	1700	1400	ug/Kg	82				59	102	
	2,4,5-Trichlorophenol	1700	1500	ug/Kg	88				61	98	
	1,1-Biphenyl	1700	1400	ug/Kg	82				57	103	
	2-Chloronaphthalene	1700	1400	ug/Kg	82				58	99	
	2-Nitroaniline	1700	1500	ug/Kg	88				66	101	
	Dimethylphthalate	1700	1500	ug/Kg	88				61	99	
	Acenaphthylene	1700	1400	ug/Kg	82				63	101	
	2,6-Dinitrotoluene	1700	1500	ug/Kg	88				61	104	
	3-Nitroaniline	1700	990	ug/Kg	58				28	100	
	Acenaphthene	1700	1600	ug/Kg	94				57	104	
	2,4-Dinitrophenol	3300	3600	ug/Kg	109				37	128	
	4-Nitrophenol	3300	3300	ug/Kg	100				48	119	
	Dibenzofuran	1700	1400	ug/Kg	82				63	99	
	2,4-Dinitrotoluene	1700	1600	ug/Kg	94				60	106	
	Diethylphthalate	1700	1500	ug/Kg	88				60	101	
	4-Chlorophenyl-phenylether	1700	1400	ug/Kg	82				58	98	
	Fluorene	1700	1400	ug/Kg	82				61	101	
	4-Nitroaniline	1700	1600	ug/Kg	94				64	103	
	4,6-Dinitro-2-methylphenol	1700	1700	ug/Kg	100				76	113	
	N-Nitrosodiphenylamine	1700	1400	ug/Kg	82				71	99	
	4-Bromophenyl-phenylether	1700	1400	ug/Kg	82				66	102	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2150

Client: CDM Smith

Analytical Method: 8270E **DataFile:** BF142568.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB168211BS	Hexachlorobenzene	1700	1400	ug/Kg	82				64	98	
	Atrazine	1700	1600	ug/Kg	94				47	152	
	Pentachlorophenol	3300	2900	ug/Kg	88				67	105	
	Phenanthrene	1700	1400	ug/Kg	82				59	103	
	Anthracene	1700	1400	ug/Kg	82				61	105	
	Carbazole	1700	1500	ug/Kg	88				61	99	
	Di-n-butylphthalate	1700	1600	ug/Kg	94				58	104	
	Fluoranthene	1700	1500	ug/Kg	88				57	107	
	Pyrene	1700	1400	ug/Kg	82				59	103	
	Butylbenzylphthalate	1700	1700	ug/Kg	100				55	103	
	3,3-Dichlorobenzidine	1700	800	ug/Kg	47				42	91	
	Benzo(a)anthracene	1700	1500	ug/Kg	88				60	102	
	Chrysene	1700	1400	ug/Kg	82				59	101	
	bis(2-Ethylhexyl)phthalate	1700	1500	ug/Kg	88				54	135	
	Di-n-octyl phthalate	1700	1200	ug/Kg	71				52	137	
	Benzo(b)fluoranthene	1700	1500	ug/Kg	88				62	109	
	Benzo(k)fluoranthene	1700	1500	ug/Kg	88				62	109	
	Benzo(a)pyrene	1700	1500	ug/Kg	88				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	1300	ug/Kg	76				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.

PB168211BL

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2150 SAS No.: Q2150 SDG NO.: Q2150

Lab File ID: BF142567.D Lab Sample ID: PB168211BL

Instrument ID: BNA_F Date Extracted: 05/30/2025

Matrix: (soil/water) SOIL Date Analyzed: 05/30/2025

Level: (low/med) LOW Time Analyzed: 13:49

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB168211BS	PB168211BS	BF142568.D	05/30/2025
TP-39	Q2150-03	BF142580.D	05/30/2025
TP-48	Q2150-04	BF142581.D	05/30/2025
TP-42	Q2150-02	BF142583.D	05/30/2025
TP-44	Q2150-01	BF142586.D	05/30/2025
TP-47	Q2150-05	BF142569.D	05/30/2025
TP-54	Q2150-09	BF142570.D	05/30/2025
TP-54MS	Q2150-09MS	BF142571.D	05/30/2025
TP-54MSD	Q2150-09MSD	BF142572.D	05/30/2025
TP-51	Q2150-07	BF142579.D	05/30/2025
TP-53	Q2150-10	BF142582.D	05/30/2025
TP-50	Q2150-06	BF142584.D	05/30/2025
TP-52	Q2150-08	BF142585.D	05/30/2025

COMMENTS:

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM SAS No.: Q2150 SDG NO.: Q2150

Lab File ID: BF142465.D DFTPP Injection Date: 05/20/2025

Instrument ID: BNA_F DFTPP Injection Time: 11:13

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	36.8
68	Less than 2.0% of mass 69	0.5 (1.9) 1
69	Mass 69 relative abundance	33.1
70	Less than 2.0% of mass 69	0.1 (0.5) 1
127	10.0 - 80.0% of mass 198	44.9
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	6.6
275	10.0 - 60.0% of mass 198	29.9
365	Greater than 1% of mass 198	4.2
441	Present, but less than mass 443	19.9
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19 (19) 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	BF142467.D	05/20/2025	12:10
SSTDICC005	SSTDICC005	BF142468.D	05/20/2025	12:38
SSTDICC010	SSTDICC010	BF142469.D	05/20/2025	13:07
SSTDICC020	SSTDICC020	BF142470.D	05/20/2025	13:36
SSTDICCC040	SSTDICCC040	BF142471.D	05/20/2025	14:05
SSTDICC050	SSTDICC050	BF142472.D	05/20/2025	14:34
SSTDICC060	SSTDICC060	BF142473.D	05/20/2025	15:03
SSTDICC080	SSTDICC080	BF142474.D	05/20/2025	15:31

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM SAS No.: Q2150 SDG NO.: Q2150

Lab File ID: BF142565.D DFTPP Injection Date: 05/30/2025

Instrument ID: BNA_F DFTPP Injection Time: 12:23

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	37.9
68	Less than 2.0% of mass 69	0.5 (1.8) 1
69	Mass 69 relative abundance	34.2
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	46.4
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	6.8
275	10.0 - 60.0% of mass 198	28.8
365	Greater than 1% of mass 198	3.8
441	Present, but less than mass 443	18.2
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	BF142566.D	05/30/2025	13:20
PB168211BL	PB168211BL	BF142567.D	05/30/2025	13:49
PB168211BS	PB168211BS	BF142568.D	05/30/2025	14:18
TP-47	Q2150-05	BF142569.D	05/30/2025	14:52
TP-54	Q2150-09	BF142570.D	05/30/2025	15:21
TP-54MS	Q2150-09MS	BF142571.D	05/30/2025	15:50
TP-54MSD	Q2150-09MSD	BF142572.D	05/30/2025	16:19
TP-51	Q2150-07	BF142579.D	05/30/2025	19:45
TP-39	Q2150-03	BF142580.D	05/30/2025	20:14
TP-48	Q2150-04	BF142581.D	05/30/2025	20:43
TP-53	Q2150-10	BF142582.D	05/30/2025	21:13
TP-42	Q2150-02	BF142583.D	05/30/2025	21:42
TP-50	Q2150-06	BF142584.D	05/30/2025	22:11
TP-52	Q2150-08	BF142585.D	05/30/2025	22:41
TP-44	Q2150-01	BF142586.D	05/30/2025	23:10

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM SAS No.: Q2150 SDG NO.: Q2150

Lab File ID: BF142589.D DFTPP Injection Date: 06/02/2025

Instrument ID: BNA_F DFTPP Injection Time: 11:01

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	36.3
68	Less than 2.0% of mass 69	0.4 (1.8) 1
69	Mass 69 relative abundance	32.4
70	Less than 2.0% of mass 69	0.1 (0.6) 1
127	10.0 - 80.0% of mass 198	45.2
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	6.6
275	10.0 - 60.0% of mass 198	29.1
365	Greater than 1% of mass 198	3.9
441	Present, but less than mass 443	20.6
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.3 (19.3) 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	BF142590.D	06/02/2025	11:30
TP-44DL	Q2150-01DL	BF142598.D	06/02/2025	15:34

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2150 SAS No.: Q2150 SDG NO.: Q2150

EPA Sample No.: SSTDCCC040 Date Analyzed: 05/30/2025

Lab File ID: BF142566.D Time Analyzed: 13:20

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	109753	6.898	434666	8.19	234624	9.95
	UPPER LIMIT	219506	7.398	869332	8.686	469248	10.445
	LOWER LIMIT	54876.5	6.398	217333	7.686	117312	9.445
	EPA SAMPLE NO.						
01	PB168211BL	120363	6.90	465933	8.18	259895	9.94
02	PB168211BS	122043	6.90	476655	8.19	264068	9.95
03	TP-44	127932	6.90	419456	8.18	173324	9.94
04	TP-42	143411	6.90	545898	8.18	276939	9.93
05	TP-39	122275	6.90	460916	8.18	242076	9.93
06	TP-48	128466	6.90	478682	8.18	251559	9.93
07	TP-47	119655	6.90	452665	8.18	237881	9.94
08	TP-50	131837	6.90	470624	8.18	213475	9.93
09	TP-51	123122	6.90	465540	8.18	241553	9.93
10	TP-52	133645	6.90	476744	8.18	213806	9.94
11	TP-54	118247	6.90	441924	8.18	231484	9.93
12	TP-54MS	123670	6.90	460723	8.18	236866	9.94
13	TP-54MSD	119675	6.90	451884	8.19	233525	9.94
14	TP-53	130201	6.90	494621	8.18	254536	9.93

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.: Q2150 SAS No.: Q2150 SDG NO.: Q2150

EPA Sample No.: SSTDCCC040 Date Analyzed: 05/30/2025

Lab File ID: BF142566.D Time Analyzed: 13:20

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	409802	11.427	223422	14.074	206730	15.568
	UPPER LIMIT	819604	11.927	446844	14.574	413460	16.068
	LOWER LIMIT	204901	10.927	111711	13.574	103365	15.068
	EPA SAMPLE NO.						
01	PB168211BL	480220	11.43	319274	14.07	249124	15.57
02	PB168211BS	470473	11.43	271265	14.07	242037	15.57
03	TP-44	272258	11.43	273238	14.07	220770	15.57
04	TP-42	434462	11.42	256745	14.07	308145	15.56
05	TP-39	399449	11.42	234709	14.07	243865	15.56
06	TP-48	419835	11.42	239865	14.07	260798	15.56
07	TP-47	379317	11.42	213577	14.07	233735	15.56
08	TP-50	294969	11.42	274370	14.07	279386	15.56
09	TP-51	396120	11.42	234971	14.06	241563	15.56
10	TP-52	298216	11.43	272466	14.07	264844	15.57
11	TP-54	379392	11.42	216438	14.07	226398	15.56
12	TP-54MS	378954	11.43	208599	14.07	243037	15.57
13	TP-54MSD	376587	11.43	204232	14.07	234981	15.57
14	TP-53	398630	11.42	231944	14.06	262922	15.56

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.: Q2150 SAS No.: Q2150 SDG NO.: Q2150

EPA Sample No.: SSTDCCC040 Date Analyzed: 06/02/2025

Lab File ID: BF142590.D Time Analyzed: 11:30

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	112830	6.898	441878	8.19	241388	9.94
	UPPER LIMIT	225660	7.398	883756	8.686	482776	10.439
	LOWER LIMIT	56415	6.398	220939	7.686	120694	9.439
	EPA SAMPLE NO.						
01	TP-44DL	127289	6.90	470532	8.18	232054	9.94

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.: Q2150 SAS No.: Q2150 SDG NO.: Q2150

EPA Sample No.: SSTDCCC040 Date Analyzed: 06/02/2025

Lab File ID: BF142590.D Time Analyzed: 11:30

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	415282	11.427	230387	14.074	238851	15.568
	UPPER LIMIT	830564	11.927	460774	14.574	477702	16.068
	LOWER LIMIT	207641	10.927	115194	13.574	119426	15.068
	EPA SAMPLE NO.						
01	TP-44DL	325882	11.43	250994	14.07	278926	15.57

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:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	PB168211BL	SDG No.:	Q2150
Lab Sample ID:	PB168211BL	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
Sample Wt/Vol:	30.02 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
BF142567.D	1	05/30/25 09:50	05/30/25 13:49	PB168211

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	79.9	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

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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	PB168211BL	SDG No.:	Q2150
Lab Sample ID:	PB168211BL	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
Sample Wt/Vol:	30.02 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
BF142567.D	1	05/30/25 09:50	05/30/25 13:49	PB168211

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	86.7	U	86.7	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:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	PB168211BL	SDG No.:	Q2150
Lab Sample ID:	PB168211BL	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
Sample Wt/Vol:	30.02 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
BF142567.D	1	05/30/25 09:50	05/30/25 13:49	PB168211

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	120		18 - 112	80%	SPK: 150
13127-88-3	Phenol-d6	121		15 - 107	81%	SPK: 150
4165-60-0	Nitrobenzene-d5	74.3		18 - 107	74%	SPK: 100
321-60-8	2-Fluorobiphenyl	71.1		20 - 109	71%	SPK: 100
118-79-6	2,4,6-Tribromophenol	124		10 - 116	83%	SPK: 150
1718-51-0	Terphenyl-d14	68.4		10 - 105	68%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	120000	6.898			
1146-65-2	Naphthalene-d8	466000	8.181			
15067-26-2	Acenaphthene-d10	260000	9.939			
1517-22-2	Phenanthrene-d10	480000	11.428			
1719-03-5	Chrysene-d12	319000	14.069			
1520-96-3	Perylene-d12	249000	15.568			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	320	A		5.13	ug/Kg

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Report of Analysis

Client:	CDM Smith			Date Collected:	
Project:	South River WM Replacement			Date Received:	
Client Sample ID:	PB168211BL			SDG No.:	Q2150
Lab Sample ID:	PB168211BL			Matrix:	SOIL
Analytical Method:	8270E			% Solid:	100
Sample Wt/Vol:	30.02	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
BF142567.D	1	05/30/25 09:50	05/30/25 13:49	PB168211

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:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	PB168211BS	SDG No.:	Q2150
Lab Sample ID:	PB168211BS	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
BF142568.D	1	05/30/25 09:50	05/30/25 14:18	PB168211

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	1100		160	330	ug/Kg
108-95-2	Phenol	1400		22.1	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1400		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)	1300		37.5	170	ug/Kg
98-86-2	Acetophenone	1400		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	1300		47.4	80.0	ug/Kg
67-72-1	Hexachloroethane	1300		17.6	170	ug/Kg
98-95-3	Nitrobenzene	1400		18.3	170	ug/Kg
78-59-1	Isophorone	1400		32.8	170	ug/Kg
88-75-5	2-Nitrophenol	1500		58.2	170	ug/Kg
105-67-9	2,4-Dimethylphenol	1400		64.8	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1400		30.8	170	ug/Kg
120-83-2	2,4-Dichlorophenol	1500		28.3	170	ug/Kg
91-20-3	Naphthalene	1400		22.7	170	ug/Kg
106-47-8	4-Chloroaniline	700		35.4	170	ug/Kg
87-68-3	Hexachlorobutadiene	1300		25.3	170	ug/Kg
105-60-2	Caprolactam	1700		52.1	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1500		28.7	170	ug/Kg
91-57-6	2-Methylnaphthalene	1400		25.6	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	2700	E	120	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1400		19.8	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1500		29.1	170	ug/Kg
92-52-4	1,1-Biphenyl	1400		21.8	170	ug/Kg
91-58-7	2-Chloronaphthalene	1400		22.5	170	ug/Kg
88-74-4	2-Nitroaniline	1500		48.1	170	ug/Kg
131-11-3	Dimethylphthalate	1500		27.1	170	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	PB168211BS	SDG No.:	Q2150
Lab Sample ID:	PB168211BS	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
BF142568.D	1	05/30/25 09:50	05/30/25 14:18	PB168211

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	1400		28.9	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1500		33.6	170	ug/Kg
99-09-2	3-Nitroaniline	990		46.0	170	ug/Kg
83-32-9	Acenaphthene	1600		21.3	170	ug/Kg
51-28-5	2,4-Dinitrophenol	3600	E	230	330	ug/Kg
100-02-7	4-Nitrophenol	3300	E	110	330	ug/Kg
132-64-9	Dibenzofuran	1400		22.7	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	1600		50.1	170	ug/Kg
84-66-2	Diethylphthalate	1500		28.3	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1400		26.7	170	ug/Kg
86-73-7	Fluorene	1400		25.3	170	ug/Kg
100-01-6	4-Nitroaniline	1600		64.2	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1700		100	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1400		32.9	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1400		27.8	170	ug/Kg
118-74-1	Hexachlorobenzene	1400		25.3	170	ug/Kg
1912-24-9	Atrazine	1600		34.0	170	ug/Kg
87-86-5	Pentachlorophenol	2900	E	51.3	330	ug/Kg
85-01-8	Phenanthrene	1400		20.9	170	ug/Kg
120-12-7	Anthracene	1400		33.3	170	ug/Kg
86-74-8	Carbazole	1500		31.2	170	ug/Kg
84-74-2	Di-n-butylphthalate	1600		47.9	170	ug/Kg
206-44-0	Fluoranthene	1500		30.0	170	ug/Kg
129-00-0	Pyrene	1400		36.0	170	ug/Kg
85-68-7	Butylbenzylphthalate	1700		71.4	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	800		36.7	330	ug/Kg
56-55-3	Benzo(a)anthracene	1500		23.0	170	ug/Kg
218-01-9	Chrysene	1400		19.9	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1500		59.2	170	ug/Kg
117-84-0	Di-n-octyl phthalate	1200		86.8	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1500		19.0	170	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	PB168211BS	SDG No.:	Q2150
Lab Sample ID:	PB168211BS	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
BF142568.D	1	05/30/25 09:50	05/30/25 14:18	PB168211

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1500		22.4	170	ug/Kg
50-32-8	Benzo(a)pyrene	1500		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	1300		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	78%	SPK: 150
13127-88-3	Phenol-d6	120		15 - 107	80%	SPK: 150
4165-60-0	Nitrobenzene-d5	73.3		18 - 107	73%	SPK: 100
321-60-8	2-Fluorobiphenyl	70.5		20 - 109	70%	SPK: 100
118-79-6	2,4,6-Tribromophenol	127		10 - 116	85%	SPK: 150
1718-51-0	Terphenyl-d14	73.7		10 - 105	74%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	122000	6.898			
1146-65-2	Naphthalene-d8	477000	8.186			
15067-26-2	Acenaphthene-d10	264000	9.945			
1517-22-2	Phenanthrene-d10	470000	11.433			
1719-03-5	Chrysene-d12	271000	14.074			
1520-96-3	Perylene-d12	242000	15.568			

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:	CDM Smith	Date Collected:	05/28/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-54MS	SDG No.:	Q2150
Lab Sample ID:	Q2150-09MS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	83.6
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
BF142571.D	1	05/30/25 09:50	05/30/25 15:50	PB168211

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	1500		190	390	ug/Kg
108-95-2	Phenol	1600		26.4	200	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1700		29.0	200	ug/Kg
95-57-8	2-Chlorophenol	1700		29.1	200	ug/Kg
95-48-7	2-Methylphenol	1600		35.7	200	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1600		44.8	200	ug/Kg
98-86-2	Acetophenone	1700		35.2	200	ug/Kg
65794-96-9	3+4-Methylphenols	1600		49.1	390	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1600		56.6	95.5	ug/Kg
67-72-1	Hexachloroethane	1600		21.0	200	ug/Kg
98-95-3	Nitrobenzene	1700		21.8	200	ug/Kg
78-59-1	Isophorone	1600		39.2	200	ug/Kg
88-75-5	2-Nitrophenol	1800		69.5	200	ug/Kg
105-67-9	2,4-Dimethylphenol	1700		77.4	200	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1700		36.8	200	ug/Kg
120-83-2	2,4-Dichlorophenol	1700		33.8	200	ug/Kg
91-20-3	Naphthalene	1700		27.1	200	ug/Kg
106-47-8	4-Chloroaniline	360		42.3	200	ug/Kg
87-68-3	Hexachlorobutadiene	1700		30.2	200	ug/Kg
105-60-2	Caprolactam	1800		62.2	390	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1600		34.3	200	ug/Kg
91-57-6	2-Methylnaphthalene	1600		30.6	200	ug/Kg
77-47-4	Hexachlorocyclopentadiene	3200	E	140	390	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1700		23.6	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1700		34.7	200	ug/Kg
92-52-4	1,1-Biphenyl	1700		26.0	200	ug/Kg
91-58-7	2-Chloronaphthalene	1700		26.9	200	ug/Kg
88-74-4	2-Nitroaniline	1700		57.4	200	ug/Kg
131-11-3	Dimethylphthalate	1700		32.4	200	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/28/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-54MS	SDG No.:	Q2150
Lab Sample ID:	Q2150-09MS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	83.6
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
BF142571.D	1	05/30/25 09:50	05/30/25 15:50	PB168211

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	1700		34.5	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	1800		40.1	200	ug/Kg
99-09-2	3-Nitroaniline	730		54.9	200	ug/Kg
83-32-9	Acenaphthene	1800		25.4	200	ug/Kg
51-28-5	2,4-Dinitrophenol	3700	E	270	390	ug/Kg
100-02-7	4-Nitrophenol	3500	E	130	390	ug/Kg
132-64-9	Dibenzofuran	1700		27.1	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	1800		59.8	200	ug/Kg
84-66-2	Diethylphthalate	1700		33.8	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1700		31.9	200	ug/Kg
86-73-7	Fluorene	1600		30.2	200	ug/Kg
100-01-6	4-Nitroaniline	1700		76.6	200	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1900		120	390	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1700		39.3	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1700		33.2	200	ug/Kg
118-74-1	Hexachlorobenzene	1700		30.2	200	ug/Kg
1912-24-9	Atrazine	1900		40.6	200	ug/Kg
87-86-5	Pentachlorophenol	3400	E	61.2	390	ug/Kg
85-01-8	Phenanthrene	1700		25.0	200	ug/Kg
120-12-7	Anthracene	1700		39.8	200	ug/Kg
86-74-8	Carbazole	1700		37.2	200	ug/Kg
84-74-2	Di-n-butylphthalate	1800		57.2	200	ug/Kg
206-44-0	Fluoranthene	1600		35.8	200	ug/Kg
129-00-0	Pyrene	1500		43.0	200	ug/Kg
85-68-7	Butylbenzylphthalate	2100		85.2	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	870		43.8	390	ug/Kg
56-55-3	Benzo(a)anthracene	1800		27.5	200	ug/Kg
218-01-9	Chrysene	1700		23.8	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	2200		70.7	200	ug/Kg
117-84-0	Di-n-octyl phthalate	1900		100	390	ug/Kg
205-99-2	Benzo(b)fluoranthene	1700		22.7	200	ug/Kg

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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/28/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-54MS	SDG No.:	Q2150
Lab Sample ID:	Q2150-09MS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	83.6
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
BF142571.D	1	05/30/25 09:50	05/30/25 15:50	PB168211

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1700		26.7	200	ug/Kg
50-32-8	Benzo(a)pyrene	1800		35.2	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1700		34.7	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1700		32.7	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1700		30.7	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1800		30.6	200	ug/Kg
123-91-1	1,4-Dioxane	1500		54.0	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1700		32.7	200	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	86.9		18 - 112	58%	SPK: 150
13127-88-3	Phenol-d6	89.9		15 - 107	60%	SPK: 150
4165-60-0	Nitrobenzene-d5	55.3		18 - 107	55%	SPK: 100
321-60-8	2-Fluorobiphenyl	52.7		20 - 109	53%	SPK: 100
118-79-6	2,4,6-Tribromophenol	92.4		10 - 116	62%	SPK: 150
1718-51-0	Terphenyl-d14	51.3		10 - 105	51%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	124000	6.898			
1146-65-2	Naphthalene-d8	461000	8.181			
15067-26-2	Acenaphthene-d10	237000	9.939			
1517-22-2	Phenanthrene-d10	379000	11.428			
1719-03-5	Chrysene-d12	209000	14.074			
1520-96-3	Perylene-d12	243000	15.568			

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
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Fax : 908 789 8922

Report of Analysis

Client:	CDM Smith	Date Collected:	05/28/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-54MSD	SDG No.:	Q2150
Lab Sample ID:	Q2150-09MSD	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	83.6
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
BF142572.D	1	05/30/25 09:50	05/30/25 16:19	PB168211

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	1500		190	390	ug/Kg
108-95-2	Phenol	1700		26.4	200	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1700		29.0	200	ug/Kg
95-57-8	2-Chlorophenol	1700		29.1	200	ug/Kg
95-48-7	2-Methylphenol	1700		35.7	200	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1700		44.8	200	ug/Kg
98-86-2	Acetophenone	1700		35.2	200	ug/Kg
65794-96-9	3+4-Methylphenols	1600		49.1	390	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1600		56.6	95.6	ug/Kg
67-72-1	Hexachloroethane	1700		21.0	200	ug/Kg
98-95-3	Nitrobenzene	1700		21.9	200	ug/Kg
78-59-1	Isophorone	1700		39.2	200	ug/Kg
88-75-5	2-Nitrophenol	1800		69.5	200	ug/Kg
105-67-9	2,4-Dimethylphenol	1700		77.4	200	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1700		36.8	200	ug/Kg
120-83-2	2,4-Dichlorophenol	1700		33.8	200	ug/Kg
91-20-3	Naphthalene	1700		27.1	200	ug/Kg
106-47-8	4-Chloroaniline	400		42.3	200	ug/Kg
87-68-3	Hexachlorobutadiene	1700		30.2	200	ug/Kg
105-60-2	Caprolactam	1900		62.2	390	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1700		34.3	200	ug/Kg
91-57-6	2-Methylnaphthalene	1600		30.6	200	ug/Kg
77-47-4	Hexachlorocyclopentadiene	3200	E	140	390	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1800		23.7	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1700		34.8	200	ug/Kg
92-52-4	1,1-Biphenyl	1700		26.0	200	ug/Kg
91-58-7	2-Chloronaphthalene	1700		26.9	200	ug/Kg
88-74-4	2-Nitroaniline	1700		57.5	200	ug/Kg
131-11-3	Dimethylphthalate	1700		32.4	200	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/28/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-54MSD	SDG No.:	Q2150
Lab Sample ID:	Q2150-09MSD	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	83.6
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
BF142572.D	1	05/30/25 09:50	05/30/25 16:19	PB168211

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	1700		34.5	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	1800		40.1	200	ug/Kg
99-09-2	3-Nitroaniline	750		55.0	200	ug/Kg
83-32-9	Acenaphthene	1900		25.4	200	ug/Kg
51-28-5	2,4-Dinitrophenol	3800	E	270	390	ug/Kg
100-02-7	4-Nitrophenol	3500	E	130	390	ug/Kg
132-64-9	Dibenzofuran	1700		27.1	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	1800		59.8	200	ug/Kg
84-66-2	Diethylphthalate	1700		33.8	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1700		31.9	200	ug/Kg
86-73-7	Fluorene	1700		30.2	200	ug/Kg
100-01-6	4-Nitroaniline	1700		76.7	200	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1900		120	390	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1700		39.3	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1700		33.2	200	ug/Kg
118-74-1	Hexachlorobenzene	1700		30.2	200	ug/Kg
1912-24-9	Atrazine	1900		40.6	200	ug/Kg
87-86-5	Pentachlorophenol	3400	E	61.3	390	ug/Kg
85-01-8	Phenanthrene	1700		25.0	200	ug/Kg
120-12-7	Anthracene	1700		39.8	200	ug/Kg
86-74-8	Carbazole	1700		37.3	200	ug/Kg
84-74-2	Di-n-butylphthalate	1900		57.2	200	ug/Kg
206-44-0	Fluoranthene	1700		35.8	200	ug/Kg
129-00-0	Pyrene	1600		43.0	200	ug/Kg
85-68-7	Butylbenzylphthalate	2200		85.3	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	860		43.8	390	ug/Kg
56-55-3	Benzo(a)anthracene	1700		27.5	200	ug/Kg
218-01-9	Chrysene	1800		23.8	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	2200		70.7	200	ug/Kg
117-84-0	Di-n-octyl phthalate	1900		100	390	ug/Kg
205-99-2	Benzo(b)fluoranthene	1700		22.7	200	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/28/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-54MSD	SDG No.:	Q2150
Lab Sample ID:	Q2150-09MSD	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	83.6
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
BF142572.D	1	05/30/25 09:50	05/30/25 16:19	PB168211

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1800		26.8	200	ug/Kg
50-32-8	Benzo(a)pyrene	1800		35.2	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1700		34.8	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1700		32.7	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1700		30.7	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1800		30.6	200	ug/Kg
123-91-1	1,4-Dioxane	1500		54.0	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1700		32.7	200	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	88.2		18 - 112	59%	SPK: 150
13127-88-3	Phenol-d6	90.6		15 - 107	60%	SPK: 150
4165-60-0	Nitrobenzene-d5	55.6		18 - 107	56%	SPK: 100
321-60-8	2-Fluorobiphenyl	53.1		20 - 109	53%	SPK: 100
118-79-6	2,4,6-Tribromophenol	94.6		10 - 116	63%	SPK: 150
1718-51-0	Terphenyl-d14	52.7		10 - 105	53%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	120000	6.898			
1146-65-2	Naphthalene-d8	452000	8.187			
15067-26-2	Acenaphthene-d10	234000	9.939			
1517-22-2	Phenanthrene-d10	377000	11.428			
1719-03-5	Chrysene-d12	204000	14.074			
1520-96-3	Perylene-d12	235000	15.568			

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-BF052025.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue May 20 16:26:47 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BF142467.D 5 =BF142468.D 10 =BF142469.D 20 =BF142470.D 40 =BF142471.D 50 =BF142472.D 60 =BF142473.D 80 =BF1424
74.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	ISTD									
2)		1,4-Dioxane		0.493	0.460	0.474	0.458	0.500	0.486	0.456	0.475	3.79
3)		Pyridine		1.237	1.150	1.212	1.170	1.273	1.234	1.190	1.210	3.52
4)		n-Nitrosodimet...		0.612	0.593	0.627	0.619	0.673	0.652	0.621	0.628	4.21
5)	S	2-Fluorophenol		1.264	1.214	1.225	1.125	1.220	1.164	1.098	1.187	5.03
6)		Aniline		2.044	1.889	1.963	1.844	1.993	1.910	1.808	1.921	4.35
7)	S	Phenol-d6		1.530	1.449	1.459	1.367	1.467	1.403	1.328	1.429	4.77
8)		2-Chlorophenol		1.345	1.293	1.315	1.252	1.338	1.285	1.223	1.293	3.44
9)		Benzaldehyde		1.035	0.975	0.969	0.817	0.872	0.758	0.591	0.859	17.81
10)	C	Phenol		1.716	1.621	1.646	1.530	1.657	1.597	1.487	1.608	4.85
11)		bis(2-Chloroet...		1.202	1.155	1.168	1.108	1.209	1.156	1.105	1.157	3.52
12)		1,3-Dichlorobe...		1.562	1.470	1.473	1.389	1.482	1.407	1.317	1.443	5.48
13)	C	1,4-Dichlorobe...		1.540	1.476	1.491	1.407	1.495	1.430	1.335	1.453	4.70
14)		1,2-Dichlorobe...		1.495	1.405	1.436	1.327	1.432	1.357	1.284	1.391	5.20
15)		Benzyl Alcohol		1.059	1.024	1.058	1.021	1.131	1.073	1.026	1.056	3.69
16)		2,2'-oxybis(1-...		2.082	1.978	1.983	1.868	2.011	1.898	1.786	1.944	5.11
17)		2-Methylphenol		1.040	0.992	1.026	0.976	1.053	1.015	0.965	1.010	3.27
18)		Hexachloroethane		0.533	0.503	0.523	0.489	0.529	0.497	0.477	0.507	4.23
19)	P	n-Nitroso-di-n...	0.923	0.941	0.880	0.900	0.843	0.912	0.866	0.819	0.886	4.69
20)		3+4-Methylphenols		1.412	1.319	1.337	1.246	1.337	1.250	1.149	1.293	6.59
21)	I	Naphthalene-d8	ISTD									
22)		Acetophenone		0.480	0.453	0.459	0.429	0.452	0.428	0.399	0.443	5.98
23)	S	Nitrobenzene-d5		0.376	0.365	0.379	0.356	0.382	0.363	0.347	0.367	3.51
24)		Nitrobenzene		0.338	0.328	0.338	0.323	0.343	0.331	0.316	0.331	2.94
25)		Isophorone		0.636	0.615	0.620	0.593	0.638	0.607	0.585	0.613	3.26
26)	C	2-Nitrophenol		0.167	0.170	0.180	0.175	0.190	0.182	0.173	0.177	4.44
27)		2,4-Dimethylph...		0.315	0.315	0.318	0.303	0.325	0.312	0.295	0.312	3.22
28)		bis(2-Chloroet...		0.406	0.394	0.394	0.364	0.391	0.375	0.358	0.383	4.63
29)	C	2,4-Dichloroph...		0.288	0.282	0.290	0.276	0.300	0.283	0.266	0.283	3.74
30)		1,2,4-Trichlor...		0.325	0.313	0.317	0.295	0.320	0.300	0.284	0.308	4.89
31)		Naphthalene		1.061	1.021	1.020	0.941	1.007	0.953	0.891	0.985	5.94
32)		Benzoic acid			0.153	0.176	0.188	0.211	0.209	0.201	0.190	11.73
33)		4-Chloroaniline		0.424	0.409	0.416	0.389	0.415	0.397	0.343	0.399	6.87
34)	C	Hexachlorobuta...		0.203	0.192	0.197	0.187	0.198	0.192	0.176	0.192	4.52
35)		Caprolactam		0.081	0.076	0.083	0.079	0.085	0.078	0.076	0.080	4.29
36)	C	4-Chloro-3-met...		0.304	0.290	0.299	0.282	0.301	0.287	0.271	0.291	4.02
37)		2-Methylnaphth...		0.679	0.638	0.646	0.590	0.631	0.598	0.556	0.620	6.62
38)		1-Methylnaphth...		0.703	0.668	0.672	0.615	0.650	0.611	0.566	0.641	7.19

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF052025.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.592	0.580	0.588	0.552	0.592	0.573	0.544	0.574	3.39
41)	P	Hexachlorocycl...	0.318	0.350	0.383	0.393	0.430	0.425	0.411	0.387	10.57
42)	S	2,4,6-Tribromo...	0.230	0.225	0.234	0.211	0.233	0.218	0.202	0.222	5.39
43)	C	2,4,6-Trichlor...	0.387	0.373	0.406	0.371	0.406	0.388	0.379	0.387	3.69
44)		2,4,5-Trichlor...	0.410	0.411	0.416	0.395	0.437	0.408	0.381	0.408	4.27
45)	S	2-Fluorobiphenyl	1.726	1.619	1.558	1.387	1.480	1.396	1.268	1.490	10.46
46)		1,1'-Biphenyl	1.672	1.605	1.595	1.480	1.595	1.507	1.408	1.552	5.82
47)		2-Chloronaphth...	1.218	1.170	1.177	1.094	1.183	1.122	1.061	1.146	4.84
48)		2-Nitroaniline	0.333	0.318	0.338	0.324	0.354	0.332	0.320	0.331	3.72
49)		Acenaphthylene	2.064	1.982	2.027	1.851	1.998	1.885	1.745	1.936	5.85
50)		Dimethylphthalate	1.441	1.340	1.367	1.255	1.366	1.256	1.211	1.320	6.16
51)		2,6-Dinitrotol...	0.290	0.283	0.289	0.280	0.302	0.281	0.268	0.285	3.74
52)	C	Acenaphthene	1.259	1.222	1.227	1.120	1.223	1.146	1.077	1.182	5.72
53)		3-Nitroaniline	0.320	0.309	0.327	0.299	0.330	0.305	0.287	0.311	5.02
54)	P	2,4-Dinitrophenol		0.110	0.137	0.149	0.169	0.160	0.158	0.147	14.36
55)		Dibenzofuran	1.886	1.766	1.768	1.606	1.736	1.635	1.509	1.701	7.38
56)	P	4-Nitrophenol	0.221	0.217	0.242	0.227	0.252	0.229	0.220	0.230	5.57
57)		2,4-Dinitrotol...	0.372	0.367	0.387	0.364	0.398	0.372	0.344	0.372	4.62
58)		Fluorene	1.477	1.399	1.372	1.231	1.343	1.238	1.140	1.314	8.85
59)		2,3,4,6-Tetrac...	0.347	0.336	0.360	0.333	0.361	0.333	0.317	0.341	4.71
60)		Diethylphthalate	1.422	1.310	1.359	1.231	1.343	1.218	1.140	1.289	7.51
61)		4-Chlorophenyl...	0.724	0.678	0.676	0.609	0.653	0.612	0.566	0.646	8.25
62)		4-Nitroaniline	0.303	0.283	0.303	0.277	0.294	0.265	0.251	0.282	6.95
63)		Azobenzene	1.239	1.194	1.188	1.107	1.197	1.123	1.055	1.158	5.55
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...	0.086	0.094	0.110	0.115	0.129	0.125	0.123	0.112	14.72
66)	c	n-Nitrosodiphe...	0.712	0.682	0.696	0.649	0.697	0.694	0.660	0.684	3.30
67)		4-Bromophenyl-...	0.240	0.235	0.239	0.222	0.246	0.243	0.230	0.236	3.45
68)		Hexachlorobenzene	0.265	0.267	0.263	0.251	0.273	0.262	0.250	0.262	3.19
69)		Atrazine	0.184	0.174	0.186	0.178	0.196	0.181	0.174	0.182	4.29
70)	C	Pentachlorophenol	0.130	0.135	0.149	0.147	0.162	0.157	0.154	0.148	7.88
71)		Phenanthrene	1.196	1.094	1.100	1.012	1.085	1.033	0.964	1.069	7.00
72)		Anthracene	1.191	1.132	1.124	1.036	1.110	1.048	0.996	1.091	6.15
73)		Carbazole	1.030	0.968	0.982	0.889	0.950	0.877	0.832	0.933	7.39
74)		Di-n-butylphth...	1.108	1.039	1.083	0.976	1.059	0.974	0.908	1.021	6.95
75)	C	Fluoranthene	1.177	1.081	1.052	0.938	0.997	0.901	0.846	0.999	11.41
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.670	0.782	0.903	0.797	0.805	0.698	0.556	0.744	15.12
78)		Pyrene	1.929	1.967	2.066	1.859	1.959	1.773	1.507	1.866	9.79
79)	S	Terphenyl-d14	1.624	1.582	1.660	1.423	1.492	1.337	1.126	1.464	12.80
80)		Butylbenzylpht...	0.462	0.453	0.525	0.526	0.575	0.550	0.517	0.516	8.54
81)		Benzo(a)anthra...	1.424	1.287	1.403	1.278	1.391	1.327	1.238	1.336	5.36
82)		3,3'-Dichlorob...	0.360	0.364	0.402	0.407	0.444	0.442	0.417	0.405	8.30
83)		Chrysene	1.222	1.204	1.193	1.145	1.255	1.223	1.158	1.200	3.20
84)		Bis(2-ethylhex...	0.510	0.548	0.618	0.673	0.765	0.778	0.727	0.660	15.91
85)	c	Di-n-octyl pht...		0.958	1.108	1.266	1.432	1.542	1.437	1.290	17.30

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF052025.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.421	1.495	1.583	1.448	1.583	1.546	1.434	1.501	4.64
88)		Benzo(b)fluora...	1.317	1.105	1.293	1.126	1.209	1.122	1.114	1.184	7.62
89)		Benzo(k)fluora...	1.191	1.166	1.032	1.042	1.178	1.128	1.023	1.109	6.68
90)	C	Benzo(a)pyrene	1.154	1.081	1.114	1.081	1.185	1.133	1.062	1.116	4.00
91)		Dibenzo(a,h)an...	1.152	1.228	1.275	1.184	1.290	1.245	1.149	1.218	4.67
92)		Benzo(g,h,i)pe...	1.154	1.220	1.270	1.180	1.299	1.245	1.158	1.218	4.64

(#) = Out of Range

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2150 SAS No.: Q2150 SDG No.: Q2150

Instrument ID: BNA_F Calibration Date/Time: 05/30/2025 13:20

Lab File ID: BF142566.D Init. Calib. Date(s): 05/20/2025 05/20/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:10 15:31

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.187	1.142		-3.8	
Benzaldehyde	0.859	0.818		-4.8	
Phenol-d6	1.429	1.395		-2.4	
Phenol	1.608	1.584		-1.5	20.0
bis(2-Chloroethyl)ether	1.157	1.123		-2.9	
2-Chlorophenol	1.293	1.256		-2.9	
2-Methylphenol	1.010	0.992		-1.8	
2,2-oxybis(1-Chloropropane)	1.944	1.881		-3.2	
Acetophenone	0.443	0.414		-6.5	
3+4-Methylphenols	1.293	1.261		-2.5	
n-Nitroso-di-n-propylamine	0.886	0.830	0.050	-6.3	
Nitrobenzene-d5	0.367	0.349		-4.9	
Hexachloroethane	0.507	0.479		-5.5	
Nitrobenzene	0.331	0.318		-3.9	
Isophorone	0.613	0.577		-5.9	
2-Nitrophenol	0.177	0.175		-1.1	20.0
2,4-Dimethylphenol	0.312	0.302		-3.2	
bis(2-Chloroethoxy)methane	0.383	0.367		-4.2	
2,4-Dichlorophenol	0.283	0.273		-3.5	20.0
Naphthalene	0.985	0.922		-6.4	
4-Chloroaniline	0.399	0.386		-3.3	
Hexachlorobutadiene	0.192	0.175		-8.9	20.0
Caprolactam	0.080	0.083		3.8	
4-Chloro-3-methylphenol	0.291	0.279		-4.1	20.0
2-Methylnaphthalene	0.620	0.583		-6.0	
Hexachlorocyclopentadiene	0.387	0.358	0.050	-7.5	
2,4,6-Trichlorophenol	0.387	0.373		-3.6	20.0
2-Fluorobiphenyl	1.490	1.348		-9.5	
2,4,5-Trichlorophenol	0.408	0.398		-2.5	
1,1-Biphenyl	1.552	1.466		-5.5	
2-Chloronaphthalene	1.146	1.087		-5.1	
2-Nitroaniline	0.331	0.326		-1.5	
Dimethylphthalate	1.320	1.261		-4.5	
Acenaphthylene	1.936	1.851		-4.4	
2,6-Dinitrotoluene	0.285	0.281		-1.4	
3-Nitroaniline	0.311	0.320		2.9	
Acenaphthene	1.182	1.133		-4.1	20.0
2,4-Dinitrophenol	0.147	0.156	0.050	6.1	
4-Nitrophenol	0.230	0.234	0.050	1.7	

Form VII SV-1

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2150 SAS No.: Q2150 SDG No.: Q2150

Instrument ID: BNA_F Calibration Date/Time: 05/30/2025 13:20

Lab File ID: BF142566.D Init. Calib. Date(s): 05/20/2025 05/20/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:10 15:31

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.701	1.625		-4.5	
2,4-Dinitrotoluene	0.372	0.380		2.2	
Diethylphthalate	1.289	1.248		-3.2	
4-Chlorophenyl-phenylether	0.646	0.618		-4.3	
Fluorene	1.314	1.256		-4.4	
4-Nitroaniline	0.282	0.303		7.4	
4,6-Dinitro-2-methylphenol	0.112	0.117		4.5	
n-Nitrosodiphenylamine	0.684	0.624		-8.8	20.0
2,4,6-Tribromophenol	0.222	0.215		-3.2	
4-Bromophenyl-phenylether	0.236	0.217		-8.1	
Hexachlorobenzene	0.262	0.244		-6.9	
Atrazine	0.182	0.184		1.1	
Pentachlorophenol	0.148	0.139		-6.1	20.0
Phenanthrene	1.069	0.997		-6.7	
Anthracene	1.091	1.035		-5.1	
Carbazole	0.933	0.916		-1.8	
Di-n-butylphthalate	1.021	1.020		-0.1	
Fluoranthene	0.999	1.004		0.5	20.0
Pyrene	1.866	1.816		-2.7	
Terphenyl-d14	1.464	1.377		-5.9	
Butylbenzylphthalate	0.516	0.551		6.8	
3,3-Dichlorobenzidine	0.405	0.411		1.5	
Benzo(a)anthracene	1.336	1.270		-4.9	
Chrysene	1.200	1.171		-2.4	
Bis(2-ethylhexyl)phthalate	0.660	0.643		-2.6	
Di-n-octyl phthalate	1.290	1.047		-18.8	20.0
Benzo(b)fluoranthene	1.184	1.220		3.0	
Benzo(k)fluoranthene	1.109	1.007		-9.2	
Benzo(a)pyrene	1.116	1.095		-1.9	20.0
Indeno(1,2,3-cd)pyrene	1.501	1.407		-6.3	
Dibenzo(a,h)anthracene	1.218	1.143		-6.2	
Benzo(g,h,i)perylene	1.218	1.131		-7.1	
1,2,4,5-Tetrachlorobenzene	0.574	0.549		-4.4	
1,4-Dioxane	0.475	0.463		-2.5	20.0
2,3,4,6-Tetrachlorophenol	0.341	0.332		-2.6	

All other compounds must meet a minimum RRF of 0.010.

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2150 SAS No.: Q2150 SDG No.: Q2150

Instrument ID: BNA_F Calibration Date/Time: 06/02/2025 11:30

Lab File ID: BF142590.D Init. Calib. Date(s): 05/20/2025 05/20/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:10 15:31

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.187	1.153		-2.9	
Benzaldehyde	0.859	0.802		-6.6	
Phenol-d6	1.429	1.385		-3.1	
Phenol	1.608	1.558		-3.1	20.0
bis(2-Chloroethyl)ether	1.157	1.124		-2.9	
2-Chlorophenol	1.293	1.260		-2.6	
2-Methylphenol	1.010	0.984		-2.6	
2,2-oxybis(1-Chloropropane)	1.944	1.872		-3.7	
Acetophenone	0.443	0.417		-5.9	
3+4-Methylphenols	1.293	1.242		-3.9	
n-Nitroso-di-n-propylamine	0.886	0.829	0.050	-6.4	
Nitrobenzene-d5	0.367	0.347		-5.4	
Hexachloroethane	0.507	0.483		-4.7	
Nitrobenzene	0.331	0.314		-5.1	
Isophorone	0.613	0.575		-6.2	
2-Nitrophenol	0.177	0.176		-0.6	20.0
2,4-Dimethylphenol	0.312	0.299		-4.2	
bis(2-Chloroethoxy)methane	0.383	0.365		-4.7	
2,4-Dichlorophenol	0.283	0.275		-2.8	20.0
Naphthalene	0.985	0.939		-4.7	
4-Chloroaniline	0.399	0.389		-2.5	
Hexachlorobutadiene	0.192	0.175		-8.9	20.0
Caprolactam	0.080	0.084		5.0	
4-Chloro-3-methylphenol	0.291	0.275		-5.5	20.0
2-Methylnaphthalene	0.620	0.581		-6.3	
Hexachlorocyclopentadiene	0.387	0.340	0.050	-12.1	
2,4,6-Trichlorophenol	0.387	0.366		-5.4	20.0
2-Fluorobiphenyl	1.490	1.341		-10.0	
2,4,5-Trichlorophenol	0.408	0.396		-2.9	
1,1-Biphenyl	1.552	1.455		-6.3	
2-Chloronaphthalene	1.146	1.080		-5.8	
2-Nitroaniline	0.331	0.325		-1.8	
Dimethylphthalate	1.320	1.263		-4.3	
Acenaphthylene	1.936	1.830		-5.5	
2,6-Dinitrotoluene	0.285	0.279		-2.1	
3-Nitroaniline	0.311	0.315		1.3	
Acenaphthene	1.182	1.118		-5.4	20.0
2,4-Dinitrophenol	0.147	0.143	0.050	-2.7	
4-Nitrophenol	0.230	0.227	0.050	-1.3	

Form VII SV-1

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2150 SAS No.: Q2150 SDG No.: Q2150

Instrument ID: BNA_F Calibration Date/Time: 06/02/2025 11:30

Lab File ID: BF142590.D Init. Calib. Date(s): 05/20/2025 05/20/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:10 15:31

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.701	1.606		-5.6	
2,4-Dinitrotoluene	0.372	0.374		0.5	
Diethylphthalate	1.289	1.226		-4.9	
4-Chlorophenyl-phenylether	0.646	0.612		-5.3	
Fluorene	1.314	1.257		-4.3	
4-Nitroaniline	0.282	0.295		4.6	
4,6-Dinitro-2-methylphenol	0.112	0.113		0.9	
n-Nitrosodiphenylamine	0.684	0.641		-6.3	20.0
2,4,6-Tribromophenol	0.222	0.212		-4.5	
4-Bromophenyl-phenylether	0.236	0.220		-6.8	
Hexachlorobenzene	0.262	0.246		-6.1	
Atrazine	0.182	0.184		1.1	
Pentachlorophenol	0.148	0.139		-6.1	20.0
Phenanthrene	1.069	1.016		-5.0	
Anthracene	1.091	1.045		-4.2	
Carbazole	0.933	0.918		-1.6	
Di-n-butylphthalate	1.021	1.018		-0.3	
Fluoranthene	0.999	0.991		-0.8	20.0
Pyrene	1.866	1.760		-5.7	
Terphenyl-d14	1.464	1.327		-9.4	
Butylbenzylphthalate	0.516	0.546		5.8	
3,3-Dichlorobenzidine	0.405	0.425		4.9	
Benzo(a)anthracene	1.336	1.272		-4.8	
Chrysene	1.200	1.136		-5.3	
Bis(2-ethylhexyl)phthalate	0.660	0.694		5.2	
Di-n-octyl phthalate	1.290	1.195		-7.4	20.0
Benzo(b)fluoranthene	1.184	1.126		-4.9	
Benzo(k)fluoranthene	1.109	1.039		-6.3	
Benzo(a)pyrene	1.116	1.071		-4.0	20.0
Indeno(1,2,3-cd)pyrene	1.501	1.368		-8.9	
Dibenzo(a,h)anthracene	1.218	1.126		-7.6	
Benzo(g,h,i)perylene	1.218	1.105		-9.3	
1,2,4,5-Tetrachlorobenzene	0.574	0.542		-5.6	
1,4-Dioxane	0.475	0.464		-2.3	20.0
2,3,4,6-Tetrachlorophenol	0.341	0.334		-2.1	

All other compounds must meet a minimum RRF of 0.010.

SAMPLE RAW DATA

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053025\
Data File : BF142586.D
Acq On : 30 May 2025 23:10
Operator : RC/JU
Sample : Q2150-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-44

Quant Time: May 31 00:12:12 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration

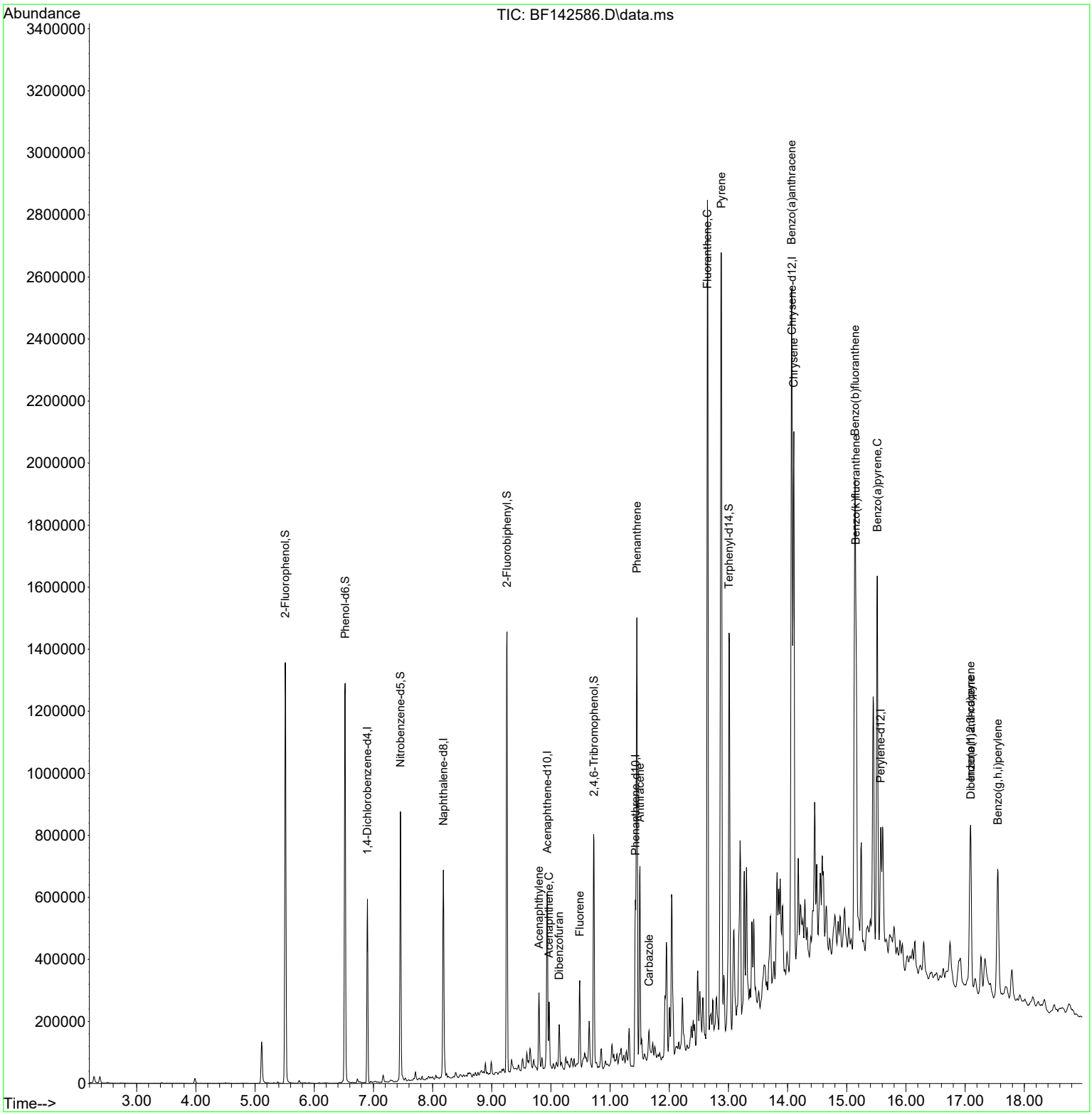
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.898	152	127932	20.000	ng		0.00
21) Naphthalene-d8	8.181	136	419456	20.000	ng		0.00
39) Acenaphthene-d10	9.939	164	173324	20.000	ng		0.00
64) Phenanthrene-d10	11.428	188	272258	20.000	ng		0.00
76) Chrysene-d12	14.074	240	273238	20.000	ng	#	0.00
86) Perylene-d12	15.574	264	220770	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.510	112	530834	69.906	ng		0.00
7) Phenol-d6	6.522	99	616313	67.425	ng		-0.01
23) Nitrobenzene-d5	7.457	82	362018	47.062	ng		-0.02
42) 2,4,6-Tribromophenol	10.728	330	122333	63.593	ng		-0.01
45) 2-Fluorobiphenyl	9.257	172	648355	50.195	ng		-0.01
79) Terphenyl-d14	13.010	244	620873	31.052	ng		0.00
Target Compounds							Qvalue
49) Acenaphthylene	9.798	152	139334	8.306	ng		99
52) Acenaphthene	9.969	154	63172	6.167	ng		99
55) Dibenzofuran	10.139	168	71986	4.883	ng		98
58) Fluorene	10.486	166	122179	10.729	ng		100
71) Phenanthrene	11.451	178	761506	52.337	ng		100
72) Anthracene	11.504	178	375473	25.285	ng		99
73) Carbazole	11.657	167	50150	3.950	ng		99
75) Fluoranthene	12.645	202	1677367	123.377	ng		97
78) Pyrene	12.880	202	1627047	63.833	ng		98
81) Benzo(a)anthracene	14.069	228	1158541	63.497	ng		92
83) Chrysene	14.104	228	860064	52.460	ng		96
87) Indeno(1,2,3-cd)pyrene	17.092	276	403177	24.326	ng		97
88) Benzo(b)fluoranthene	15.139	252	1057398m	80.926	ng		
89) Benzo(k)fluoranthene	15.151	252	444893m	36.354	ng		
90) Benzo(a)pyrene	15.516	252	736688	59.815	ng		97
91) Dibenzo(a,h)anthracene	17.098	278	103346	7.688	ng	#	91
92) Benzo(g,h,i)perylene	17.551	276	385367	28.662	ng		98

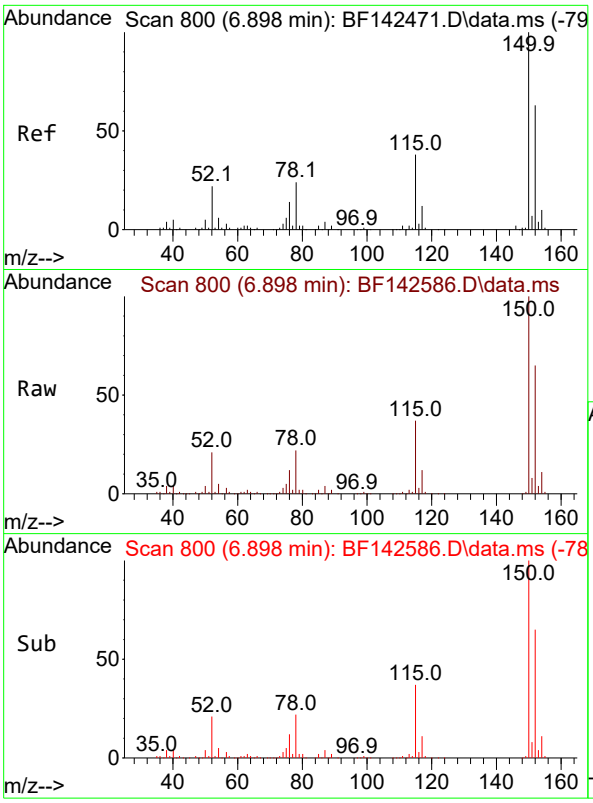
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053025\
Data File : BF142586.D
Acq On : 30 May 2025 23:10
Operator : RC/JU
Sample : Q2150-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-44

Quant Time: May 31 00:12:12 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration



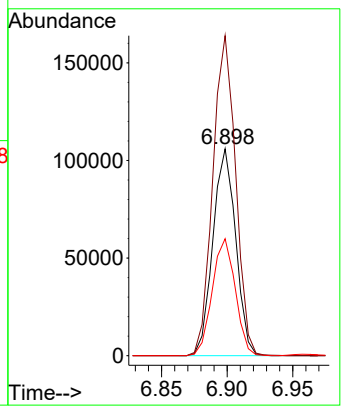


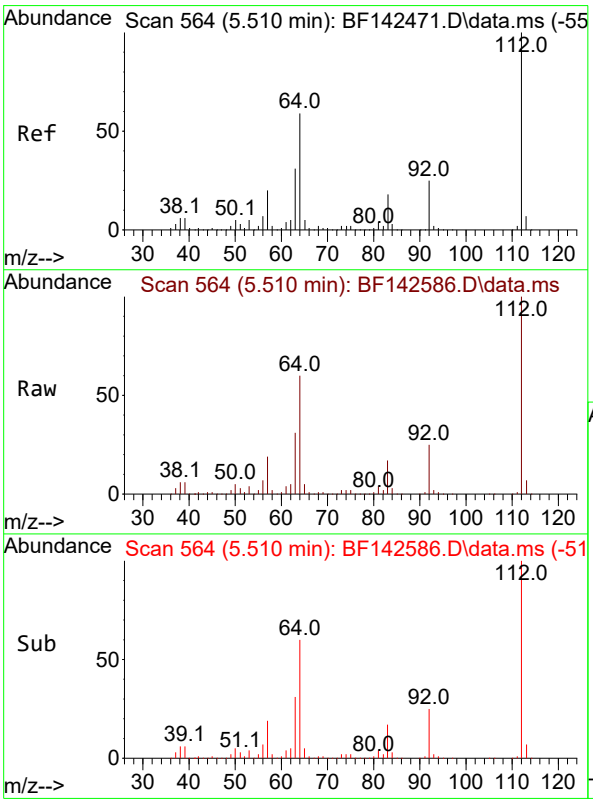
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142586.D
Acq: 30 May 2025 23:10

Instrument :
BNA_F
ClientSampleId :
TP-44

Tgt Ion:152 Resp: 127932

Ion	Ratio	Lower	Upper
152	100		
150	154.7	128.2	192.4
115	56.5	48.3	72.5

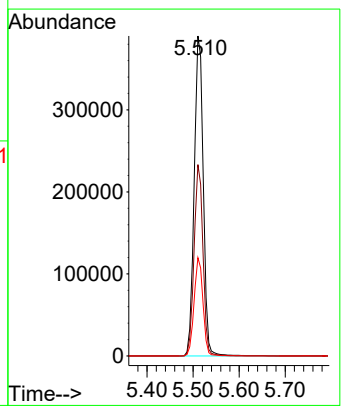


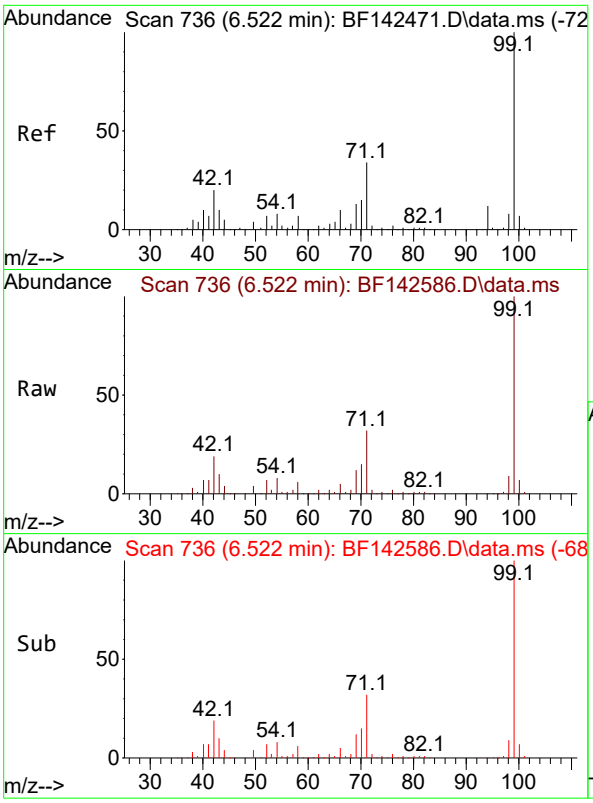


#5
2-Fluorophenol
Concen: 69.906 ng
RT: 5.510 min Scan# 564
Delta R.T. -0.006 min
Lab File: BF142586.D
Acq: 30 May 2025 23:10

Tgt Ion:112 Resp: 530834

Ion	Ratio	Lower	Upper
112	100		
64	59.8	47.5	71.3
63	30.7	24.9	37.3



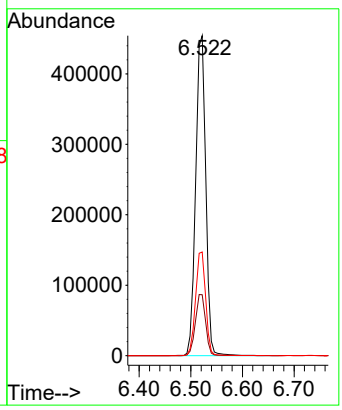


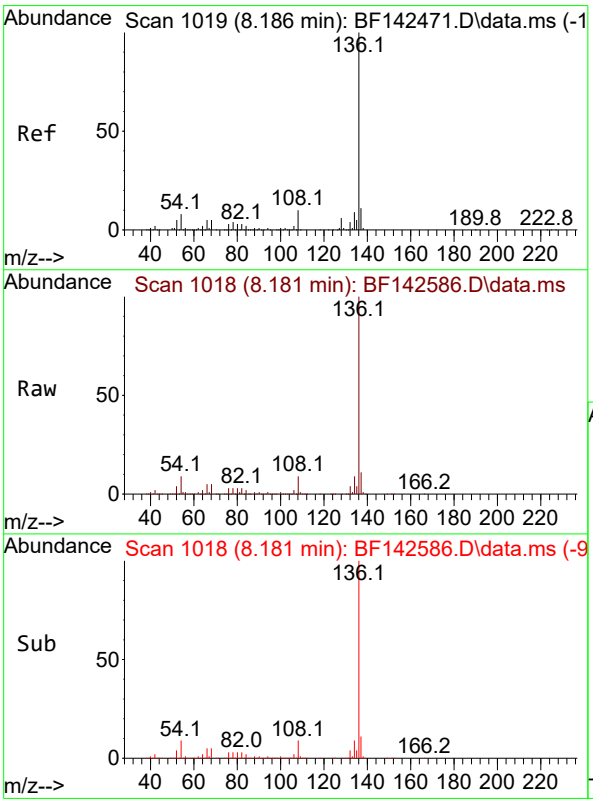
#7
Phenol-d6
Concen: 67.425 ng
RT: 6.522 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF142586.D
Acq: 30 May 2025 23:10

Instrument :
BNA_F
ClientSampleId :
TP-44

Tgt Ion: 99 Resp: 616313

Ion	Ratio	Lower	Upper
99	100		
42	19.0	16.2	24.2
71	32.4	27.3	40.9

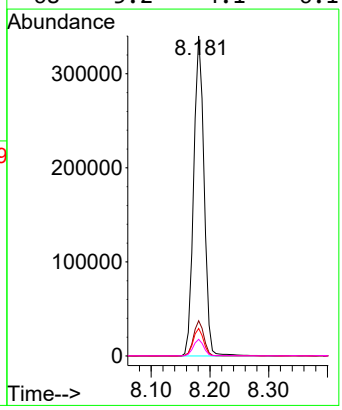


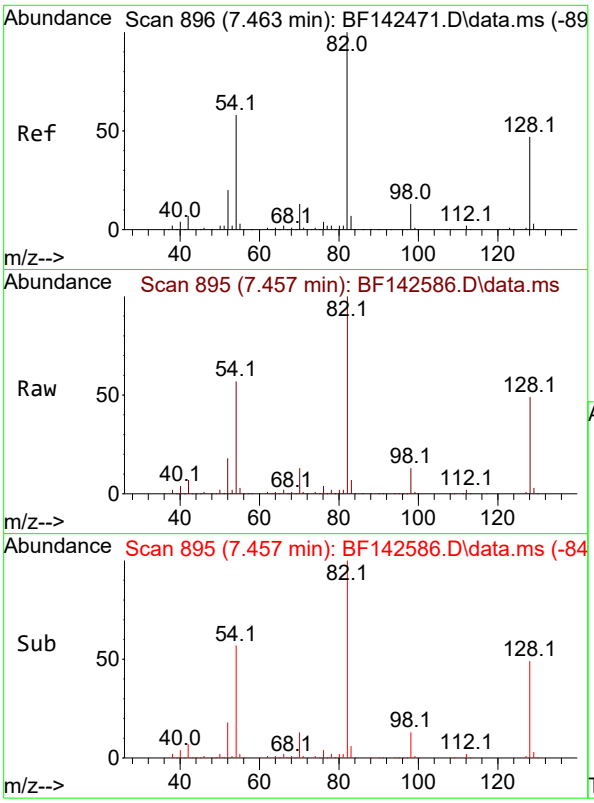


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF142586.D
Acq: 30 May 2025 23:10

Tgt Ion:136 Resp: 419456

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	13.0
54	8.6	6.6	10.0
68	5.2	4.1	6.1



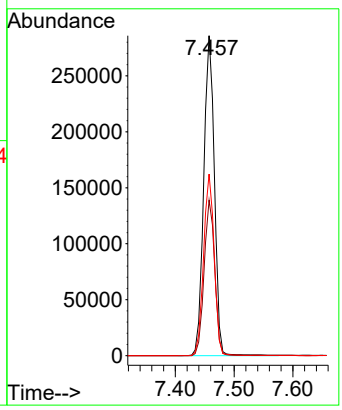


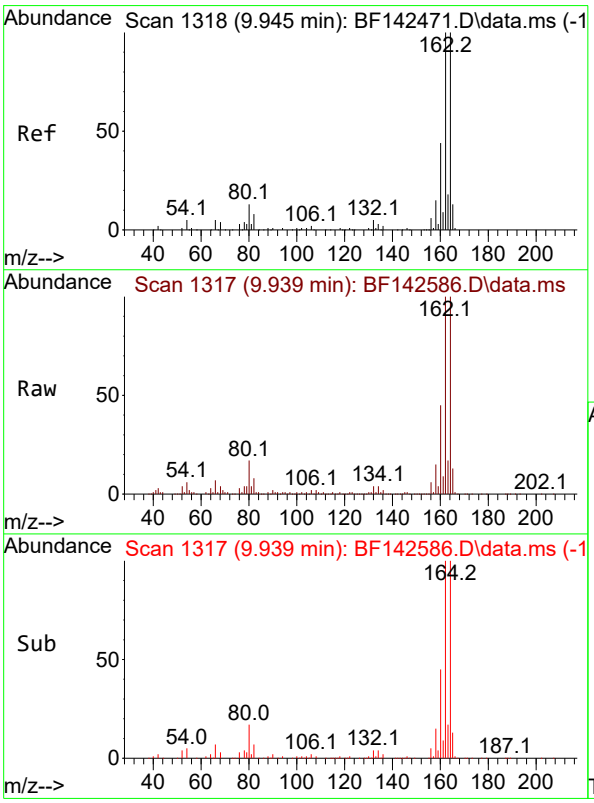
#23
Nitrobenzene-d5
Concen: 47.062 ng
RT: 7.457 min Scan# 8
Delta R.T. -0.017 min
Lab File: BF142586.D
Acq: 30 May 2025 23:10

Instrument :
BNA_F
ClientSampleId :
TP-44

Tgt Ion: 82 Resp: 362018

Ion	Ratio	Lower	Upper
82	100		
128	48.6	37.4	56.2
54	56.7	46.6	70.0

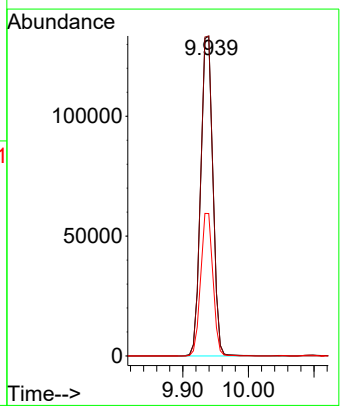


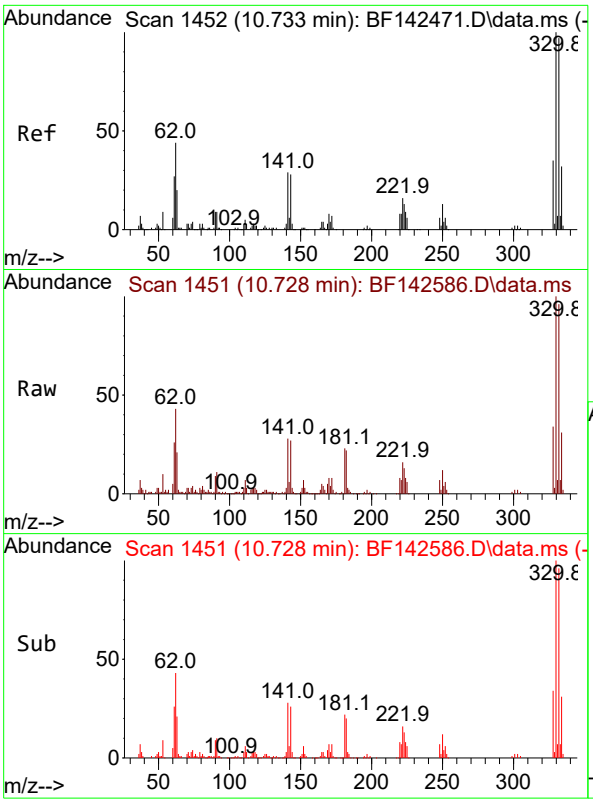


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 1317
Delta R.T. -0.006 min
Lab File: BF142586.D
Acq: 30 May 2025 23:10

Tgt Ion:164 Resp: 173324

Ion	Ratio	Lower	Upper
164	100		
162	100.1	80.2	120.4
160	44.6	35.6	53.4



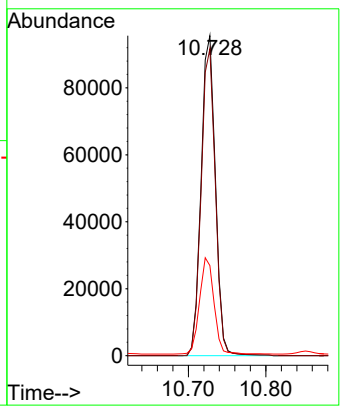


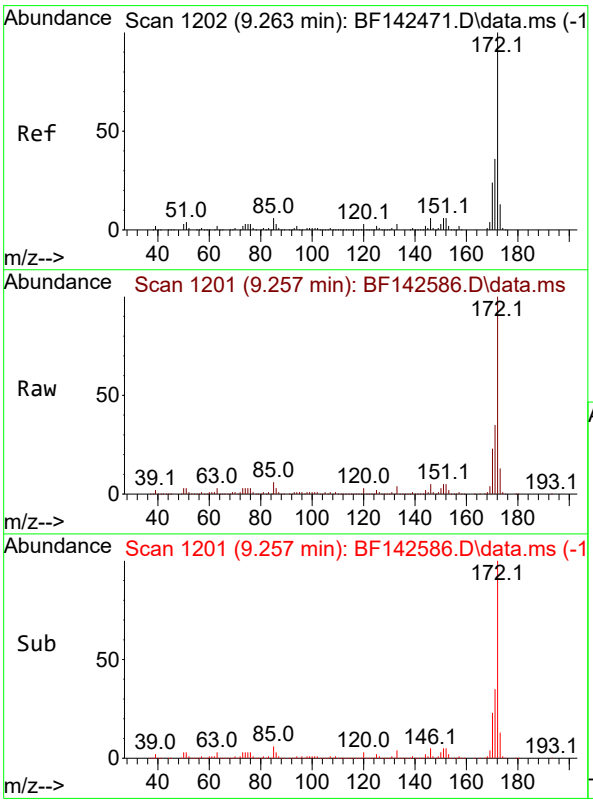
#42
2,4,6-Tribromophenol
Concen: 63.593 ng
RT: 10.728 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF142586.D
Acq: 30 May 2025 23:10

Instrument :
BNA_F
ClientSampleId :
TP-44

Tgt Ion:330 Resp: 122333

Ion	Ratio	Lower	Upper
330	100		
332	95.4	77.6	116.4
141	30.6	24.6	36.8

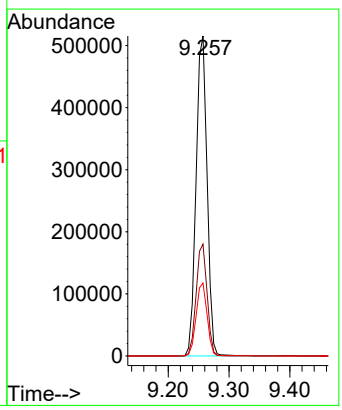


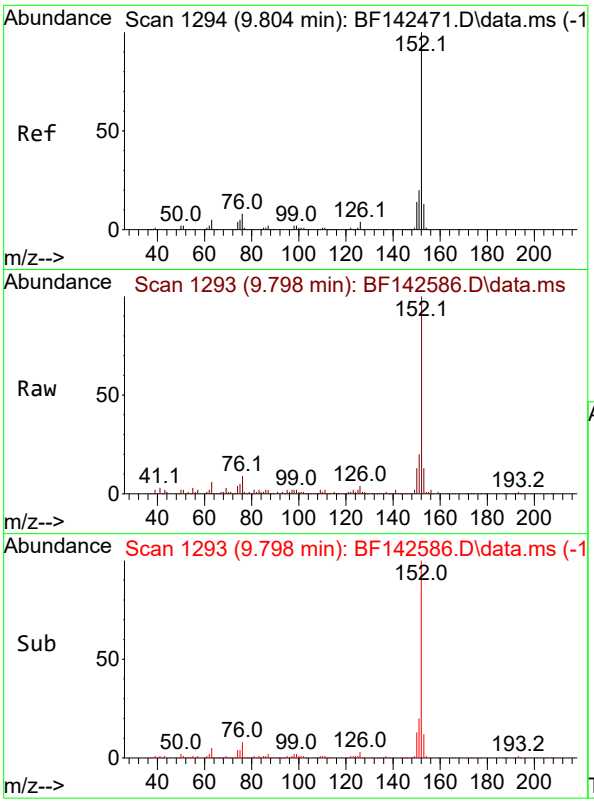


#45
2-Fluorobiphenyl
Concen: 50.195 ng
RT: 9.257 min Scan# 1201
Delta R.T. -0.011 min
Lab File: BF142586.D
Acq: 30 May 2025 23:10

Tgt Ion:172 Resp: 648355

Ion	Ratio	Lower	Upper
172	100		
171	35.0	28.6	42.8
170	22.8	18.9	28.3



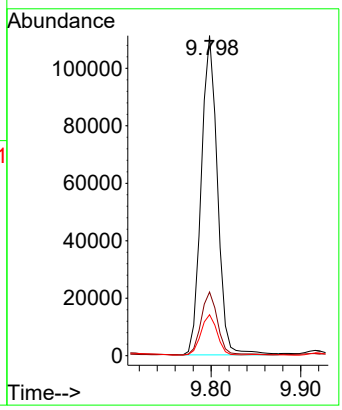


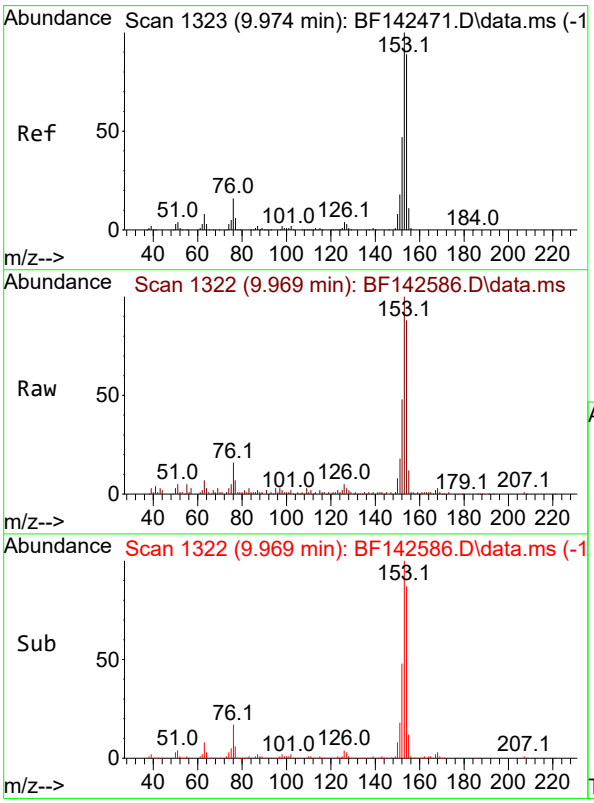
#49
Acenaphthylene
Concen: 8.306 ng
RT: 9.798 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142586.D
Acq: 30 May 2025 23:10

Instrument :
BNA_F
ClientSampleId :
TP-44

Tgt Ion:152 Resp: 139334

Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.8	23.8
153	12.8	10.6	15.8

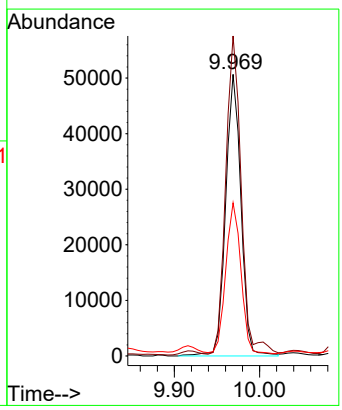


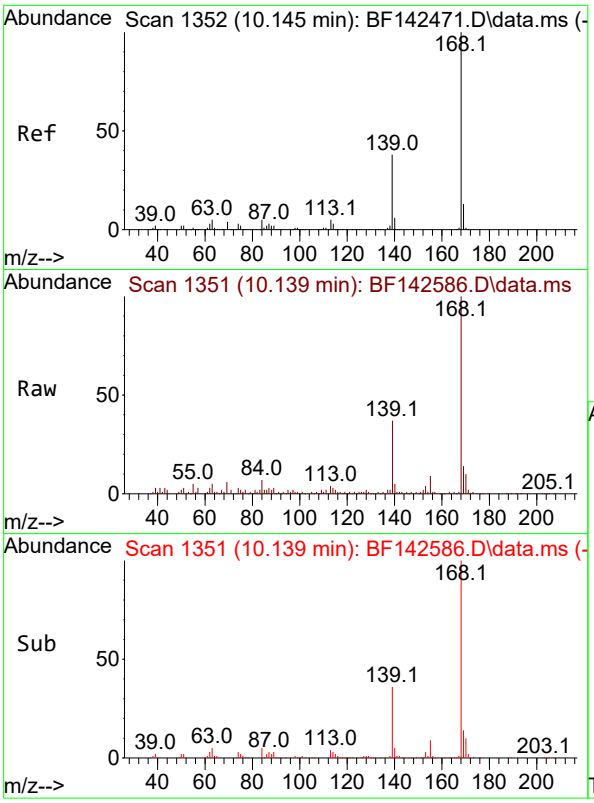


#52
Acenaphthene
Concen: 6.167 ng
RT: 9.969 min Scan# 1322
Delta R.T. -0.011 min
Lab File: BF142586.D
Acq: 30 May 2025 23:10

Tgt Ion:154 Resp: 63172

Ion	Ratio	Lower	Upper
154	100		
153	113.6	90.0	135.0
152	54.4	42.6	64.0



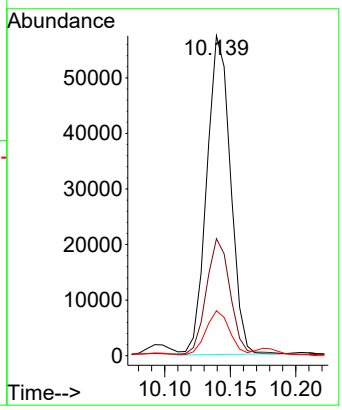


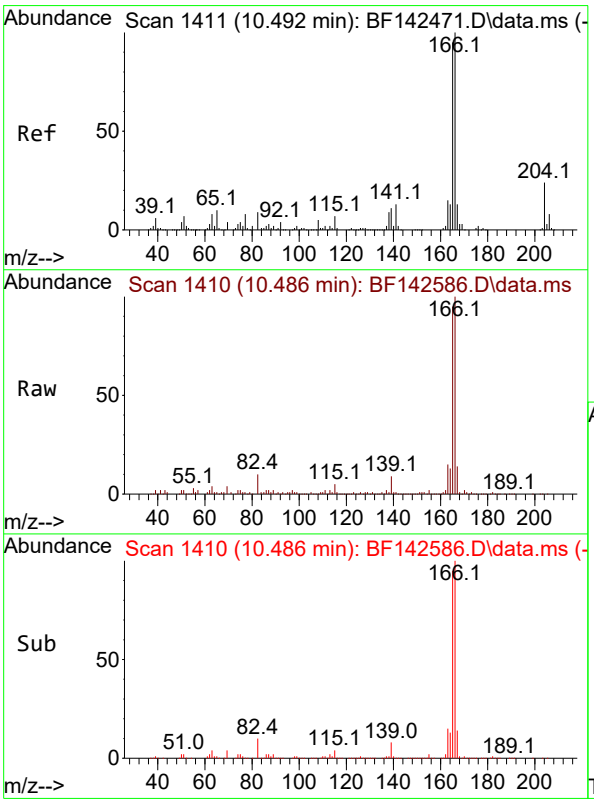
#55
Dibenzofuran
Concen: 4.883 ng
RT: 10.139 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142586.D
Acq: 30 May 2025 23:10

Instrument :
BNA_F
ClientSampleId :
TP-44

Tgt Ion:168 Resp: 71986

Ion	Ratio	Lower	Upper
168	100		
139	36.5	30.2	45.2
169	14.0	10.7	16.1

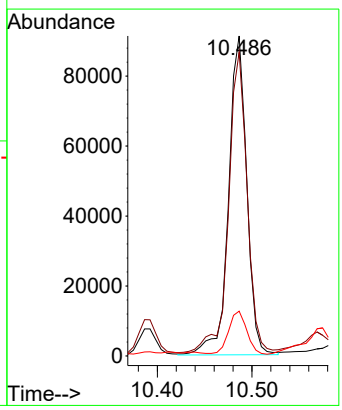


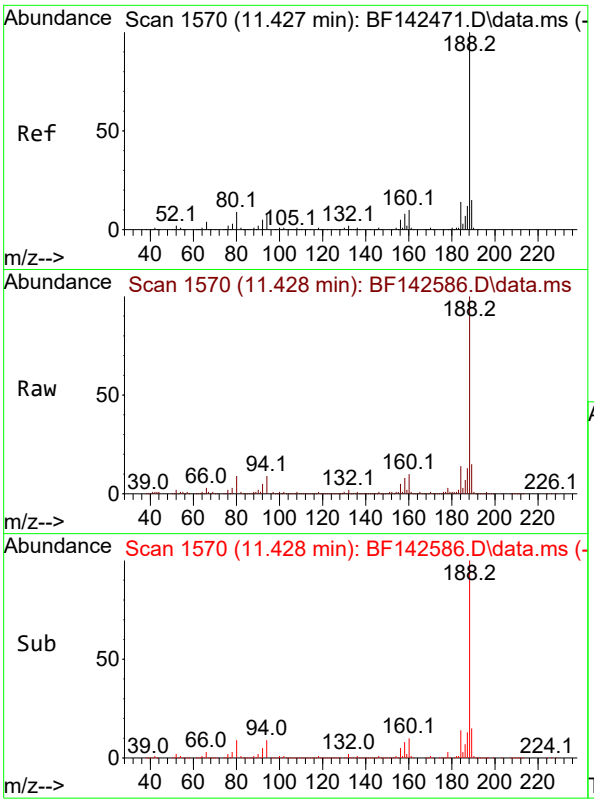


#58
Fluorene
Concen: 10.729 ng
RT: 10.486 min Scan# 1410
Delta R.T. -0.011 min
Lab File: BF142586.D
Acq: 30 May 2025 23:10

Tgt Ion:166 Resp: 122179

Ion	Ratio	Lower	Upper
166	100		
165	95.0	75.8	113.8
167	14.0	10.6	16.0



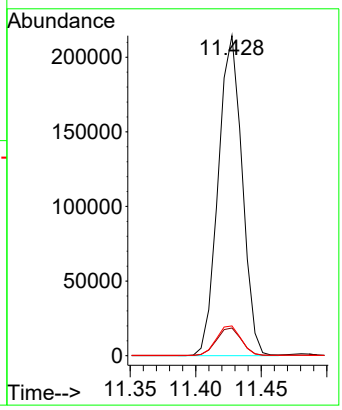


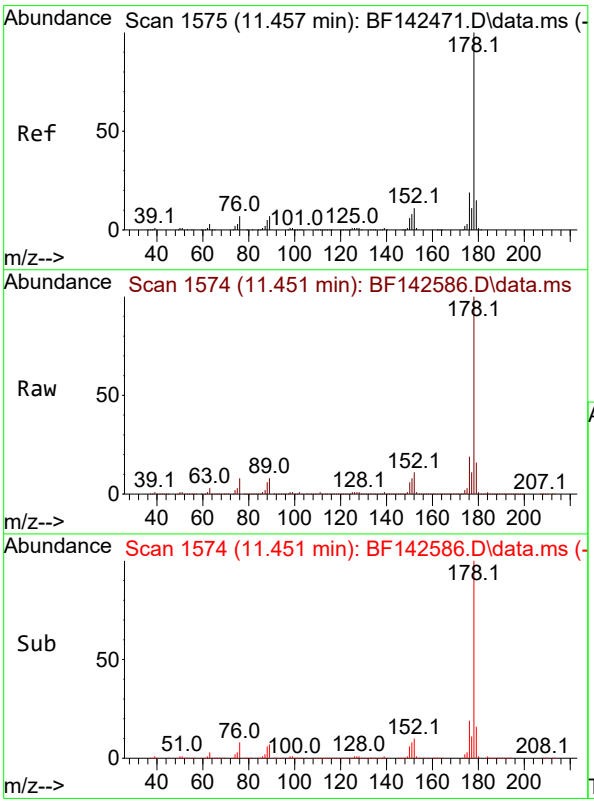
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.428 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142586.D
Acq: 30 May 2025 23:10

Instrument :
BNA_F
ClientSampleId :
TP-44

Tgt Ion:188 Resp: 272258

Ion	Ratio	Lower	Upper
188	100		
94	8.6	6.6	10.0
80	9.3	7.4	11.0

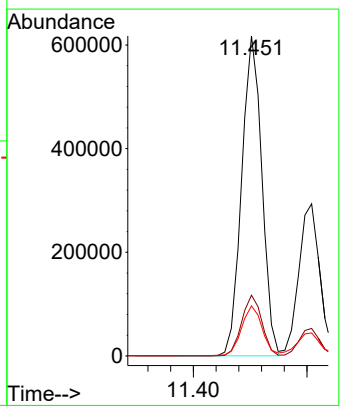


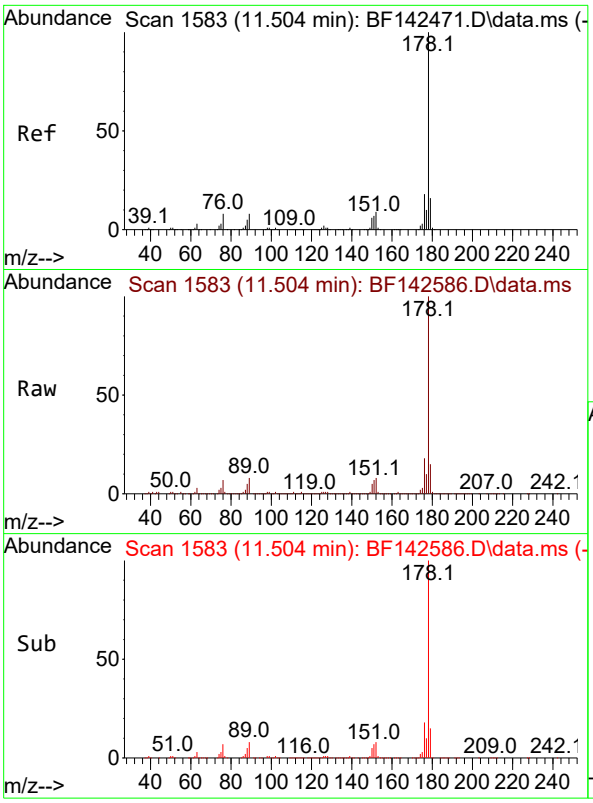


#71
Phenanthrene
Concen: 52.337 ng
RT: 11.451 min Scan# 1574
Delta R.T. -0.006 min
Lab File: BF142586.D
Acq: 30 May 2025 23:10

Tgt Ion:178 Resp: 761506

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.4	23.0
179	15.7	12.3	18.5



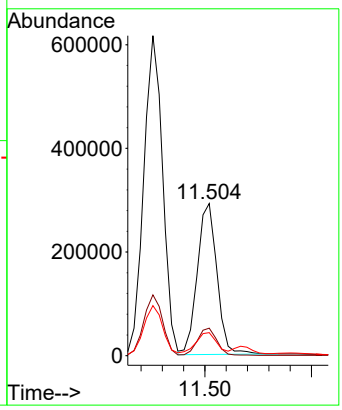


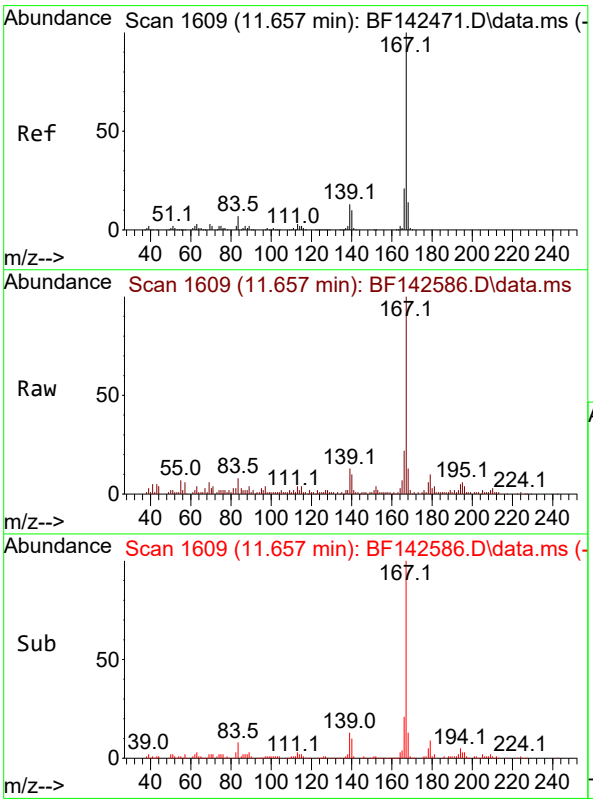
#72
Anthracene
Concen: 25.285 ng
RT: 11.504 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142586.D
Acq: 30 May 2025 23:10

Instrument :
BNA_F
ClientSampleId :
TP-44

Tgt Ion:178 Resp: 375473

Ion	Ratio	Lower	Upper
178	100		
176	18.0	14.6	21.8
179	15.2	12.4	18.6

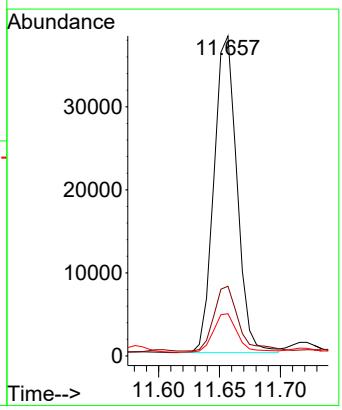


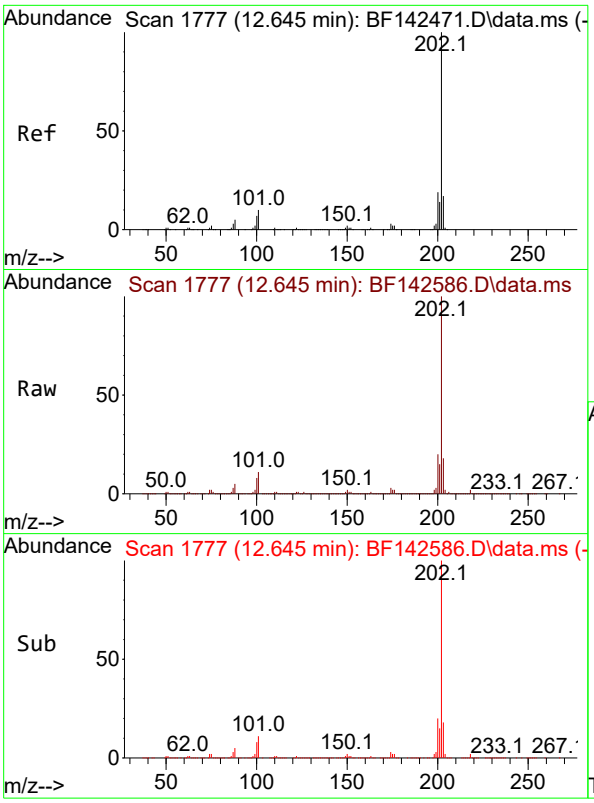


#73
Carbazole
Concen: 3.950 ng
RT: 11.657 min Scan# 1609
Delta R.T. -0.006 min
Lab File: BF142586.D
Acq: 30 May 2025 23:10

Tgt Ion:167 Resp: 50150

Ion	Ratio	Lower	Upper
167	100		
166	21.8	16.9	25.3
139	13.2	10.2	15.4



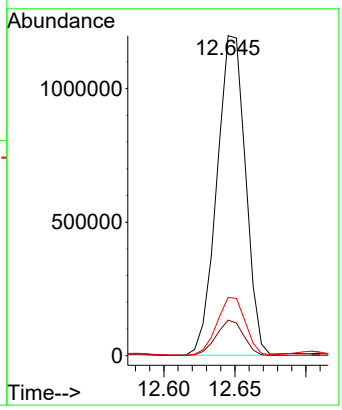


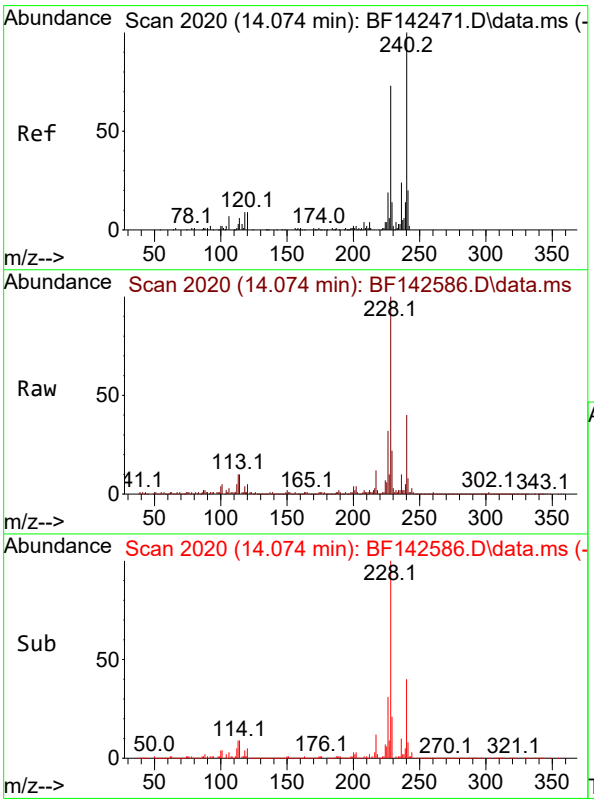
#75
Fluoranthene
Concen: 123.377 ng
RT: 12.645 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142586.D
Acq: 30 May 2025 23:10

Instrument :
BNA_F
ClientSampleId :
TP-44

Tgt Ion:202 Resp: 1677367

Ion	Ratio	Lower	Upper
202	100		
101	11.1	0.0	29.6
203	18.2	0.0	37.2

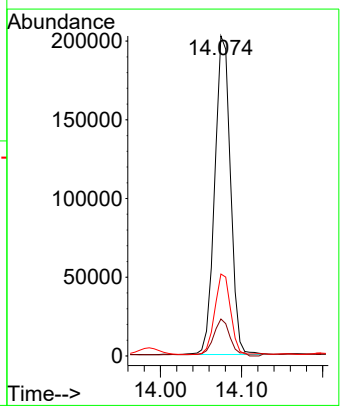


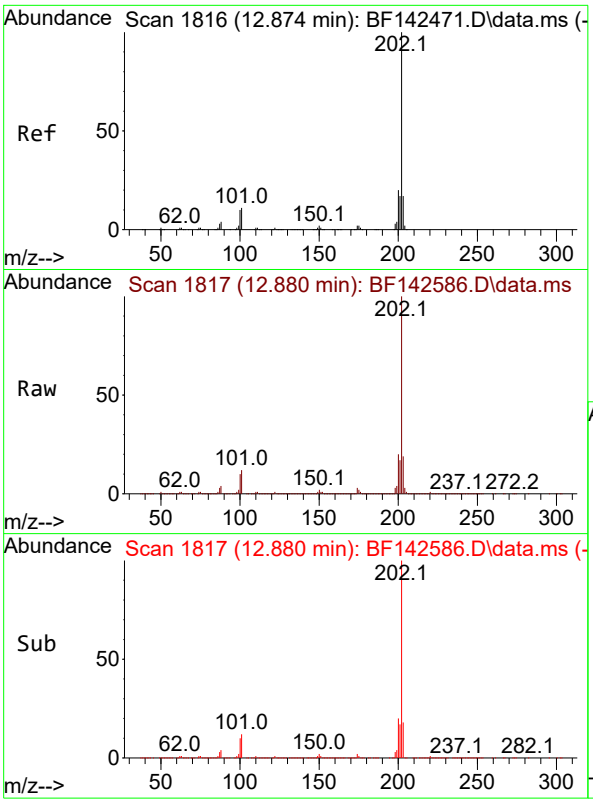


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.074 min Scan# 2020
Delta R.T. 0.000 min
Lab File: BF142586.D
Acq: 30 May 2025 23:10

Tgt Ion:240 Resp: 273238

Ion	Ratio	Lower	Upper
240	100		
120	11.6	7.5	11.3#
236	25.6	19.6	29.4



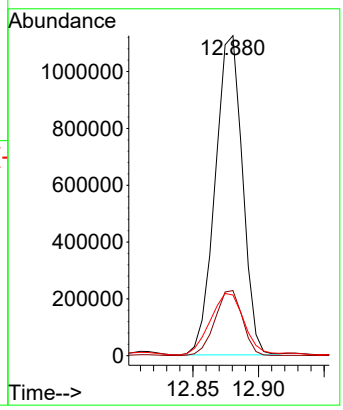


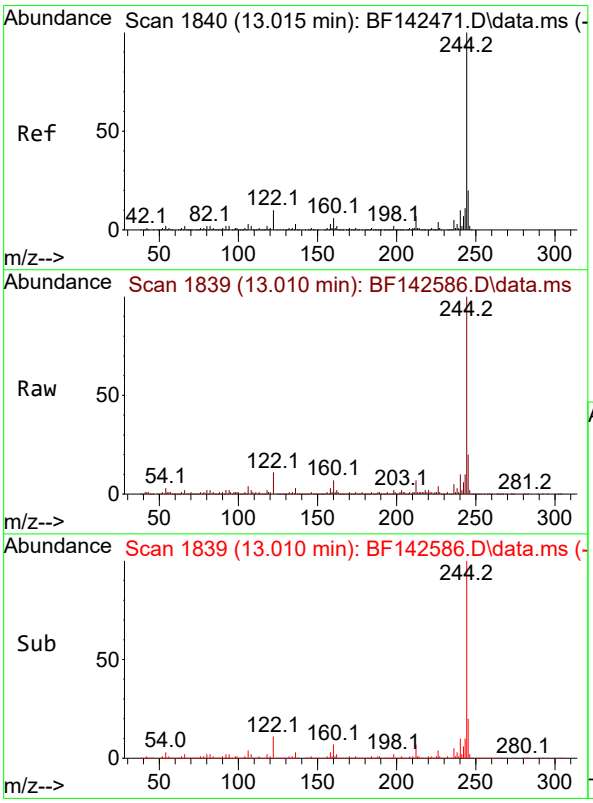
#78
Pyrene
Concen: 63.833 ng
RT: 12.880 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142586.D
Acq: 30 May 2025 23:10

Instrument :
BNA_F
ClientSampleId :
TP-44

Tgt Ion:202 Resp: 1627047

Ion	Ratio	Lower	Upper
202	100		
200	20.3	16.1	24.1
203	19.0	13.9	20.9

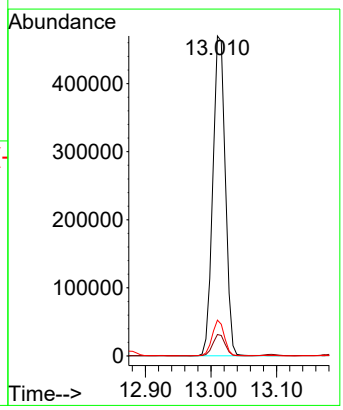


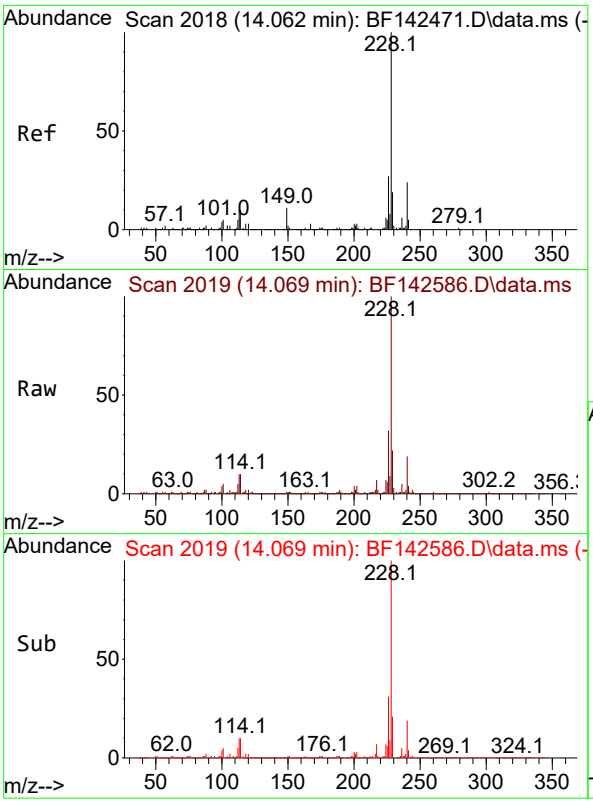


#79
Terphenyl-d14
Concen: 31.052 ng
RT: 13.010 min Scan# 1839
Delta R.T. -0.006 min
Lab File: BF142586.D
Acq: 30 May 2025 23:10

Tgt Ion:244 Resp: 620873

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.3	7.9
122	11.2	8.2	12.2



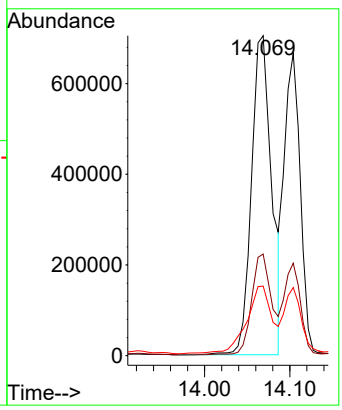


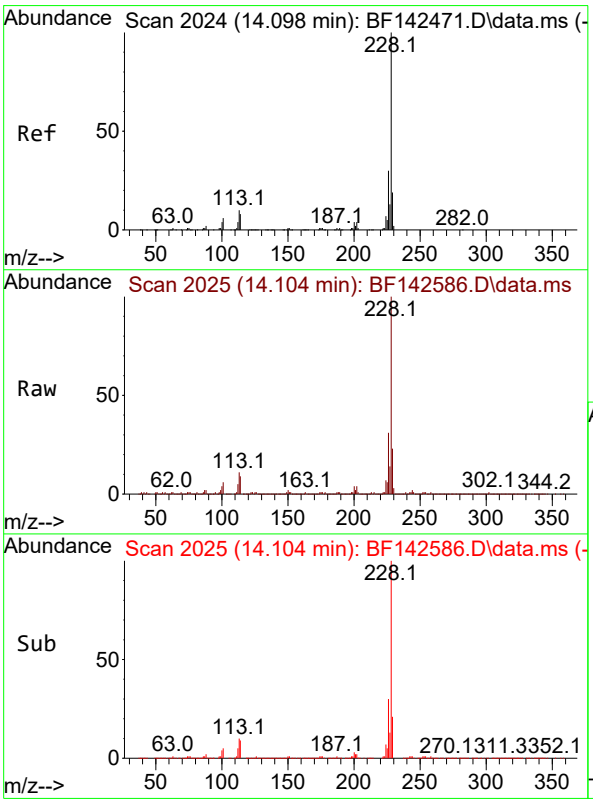
#81
Benzo(a)anthracene
Concen: 63.497 ng
RT: 14.069 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF142586.D
Acq: 30 May 2025 23:10

Instrument :
BNA_F
ClientSampleId :
TP-44

Tgt Ion:228 Resp: 1158541

Ion	Ratio	Lower	Upper
228	100		
226	31.7	21.2	31.8
229	21.8	15.5	23.3

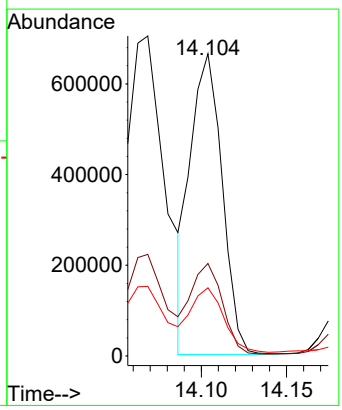


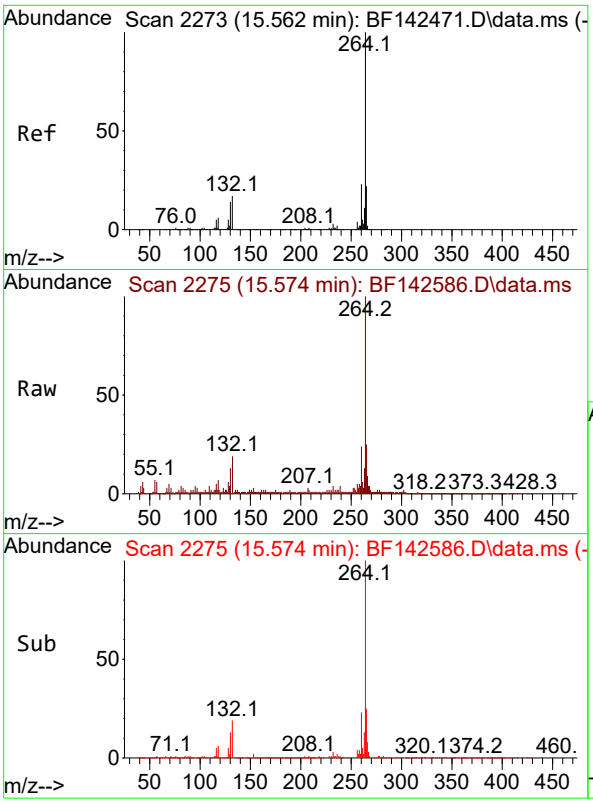


#83
Chrysene
Concen: 52.460 ng
RT: 14.104 min Scan# 2025
Delta R.T. 0.000 min
Lab File: BF142586.D
Acq: 30 May 2025 23:10

Tgt Ion:228 Resp: 860064

Ion	Ratio	Lower	Upper
228	100		
226	30.6	23.8	35.6
229	22.5	15.4	23.2



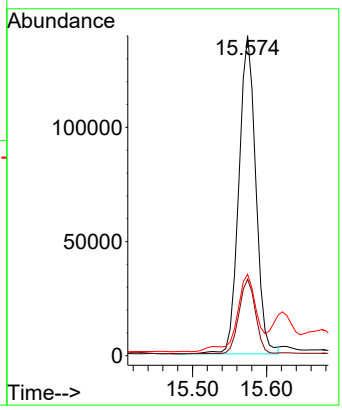


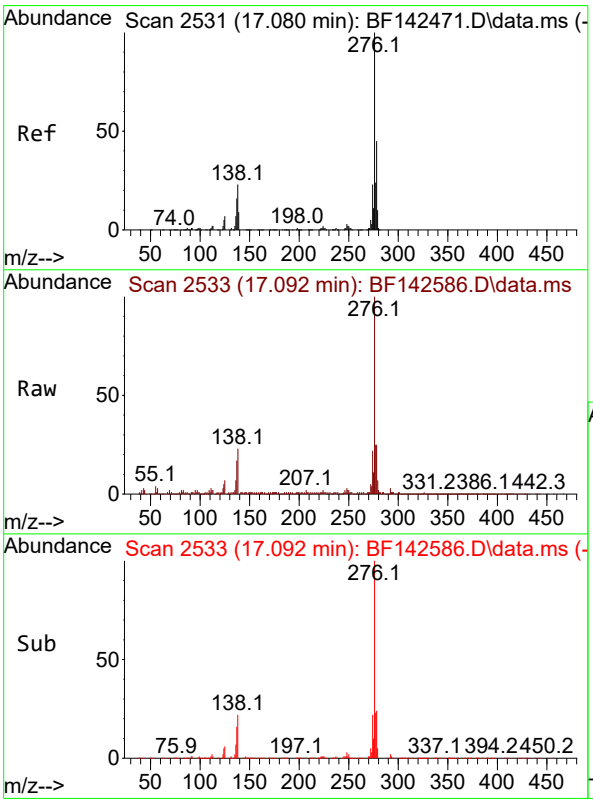
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.574 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF142586.D
Acq: 30 May 2025 23:10

Instrument :
BNA_F
ClientSampleId :
TP-44

Tgt Ion:264 Resp: 220770

Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.6	28.0
265	25.5	17.7	26.5

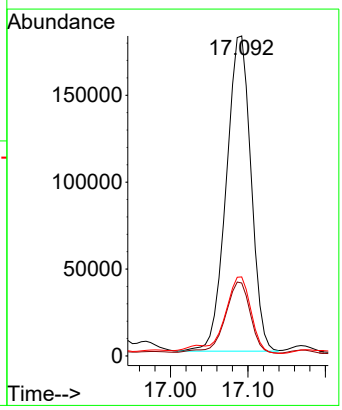


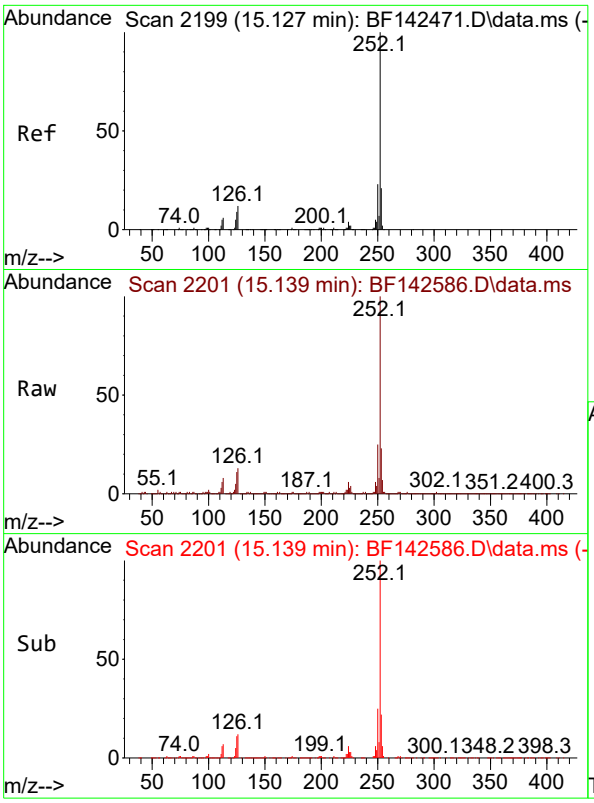


#87
Indeno(1,2,3-cd)pyrene
Concen: 24.326 ng
RT: 17.092 min Scan# 2533
Delta R.T. 0.000 min
Lab File: BF142586.D
Acq: 30 May 2025 23:10

Tgt Ion:276 Resp: 403177

Ion	Ratio	Lower	Upper
276	100		
138	23.1	19.9	29.9
277	26.8	20.2	30.2



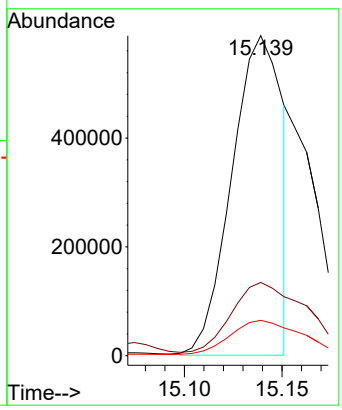


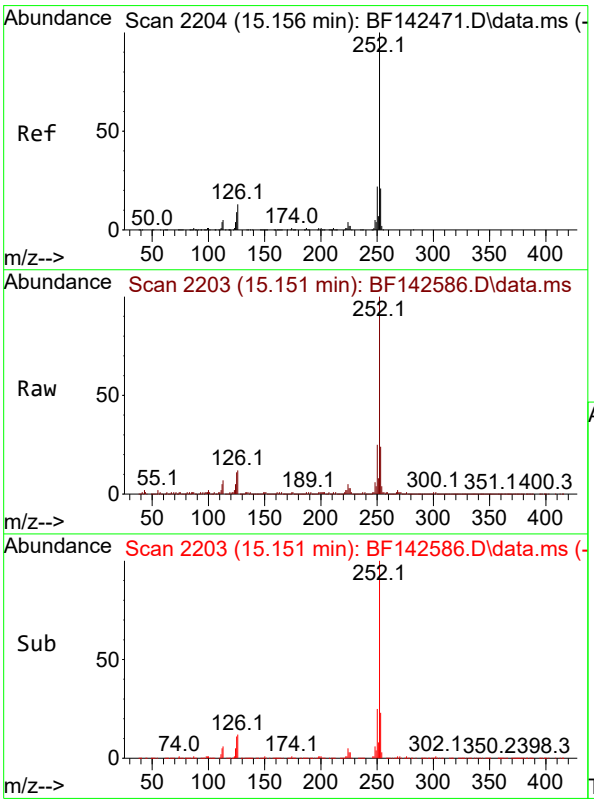
#88
Benzo(b)fluoranthene
Concen: 80.926 ng m
RT: 15.139 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF142586.D
Acq: 30 May 2025 23:10

Instrument :
BNA_F
ClientSampleId :
TP-44

Tgt Ion:252 Resp: 1057398

Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.0	25.4
125	11.1	7.4	11.0#

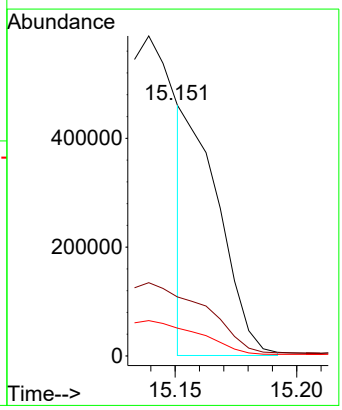


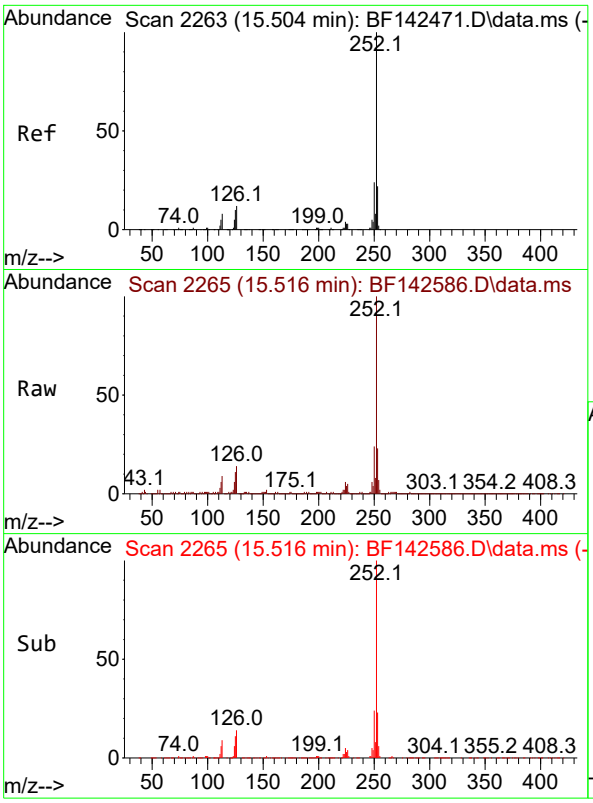


#89
Benzo(k)fluoranthene
Concen: 36.354 ng m
RT: 15.151 min Scan# 2203
Delta R.T. -0.012 min
Lab File: BF142586.D
Acq: 30 May 2025 23:10

Tgt Ion:252 Resp: 444893

Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.0	25.4
125	11.1	7.3	10.9#



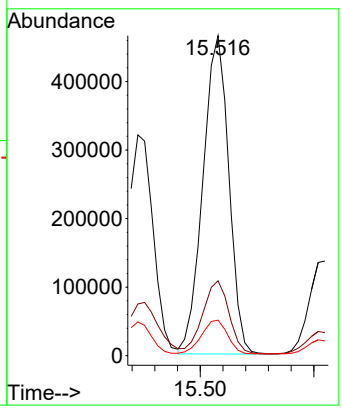


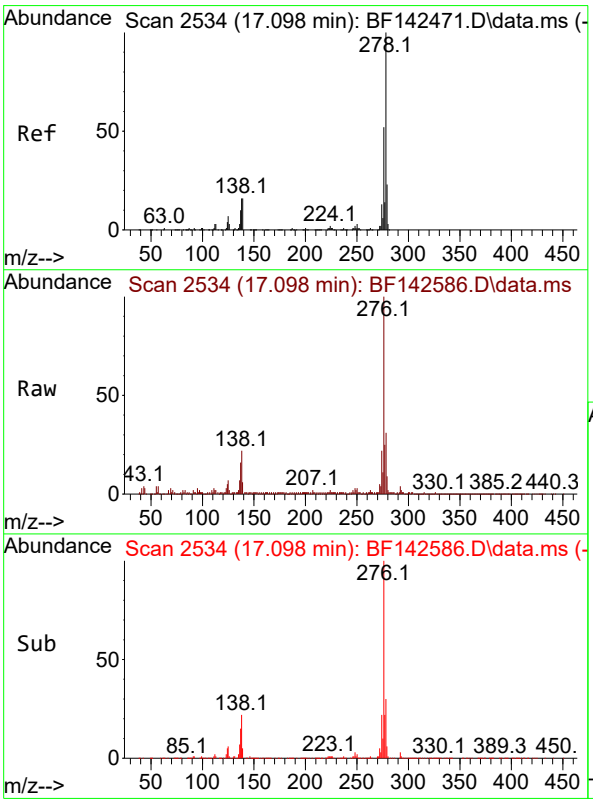
#90
Benzo(a)pyrene
Concen: 59.815 ng
RT: 15.516 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF142586.D
Acq: 30 May 2025 23:10

Instrument :
BNA_F
ClientSampleId :
TP-44

Tgt Ion:252 Resp: 736688

Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.4	26.0
125	11.1	7.9	11.9

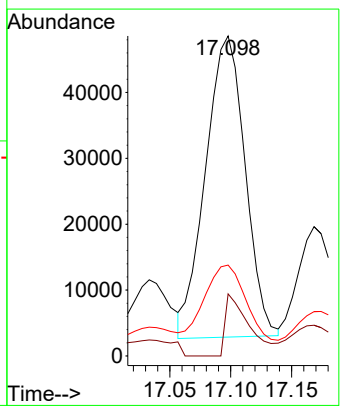


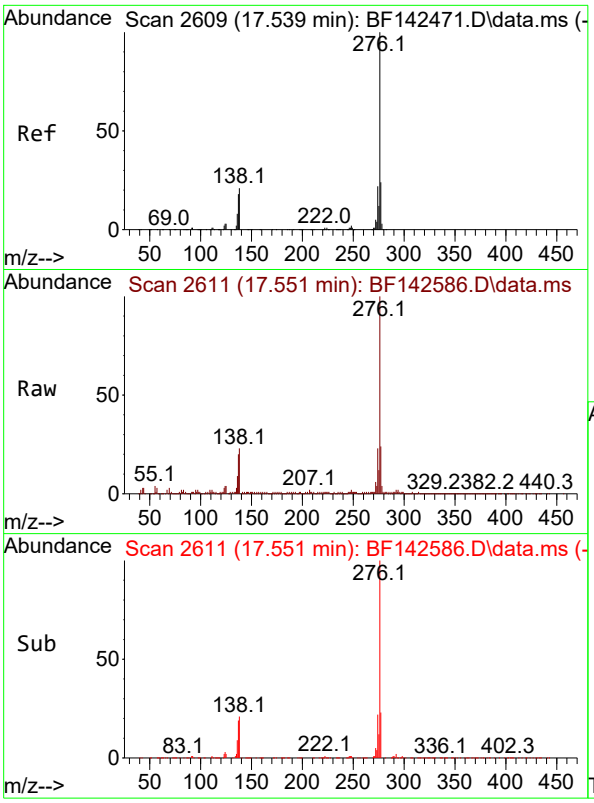


#91
Dibenzo(a,h)anthracene
Concen: 7.688 ng
RT: 17.098 min Scan# 2534
Delta R.T. -0.017 min
Lab File: BF142586.D
Acq: 30 May 2025 23:10

Tgt Ion:278 Resp: 103346

Ion	Ratio	Lower	Upper
278	100		
139	19.4	12.8	19.2#
279	28.4	18.6	28.0#



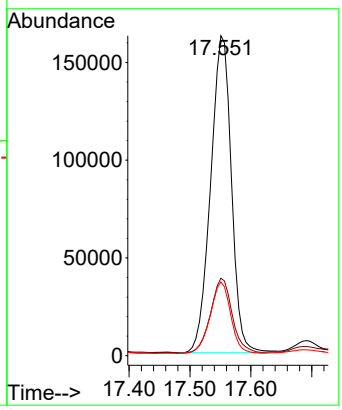


#92
Benzo(g,h,i)perylene
Concen: 28.662 ng
RT: 17.551 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142586.D
Acq: 30 May 2025 23:10

Instrument :
BNA_F
ClientSampleId :
TP-44

Tgt Ion:276 Resp: 385367

Ion	Ratio	Lower	Upper
276	100		
277	24.2	19.2	28.8
138	23.1	16.8	25.2



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053025\
Data File : BF142586.D
Acq On : 30 May 2025 23:10
Operator : RC/JU
Sample : Q2150-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-44

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-BF052025.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF142586.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	487	496	511	rBV	133766	210435	4.91%	0.399%
2	5.510	553	564	584	rBV	1356665	1834317	42.78%	3.477%
3	6.522	730	736	754	rVB	1288178	1763669	41.13%	3.343%
4	6.898	795	800	805	rBV	591069	716473	16.71%	1.358%
5	7.457	884	895	900	rBV	870836	1118766	26.09%	2.120%
6	8.181	1011	1018	1025	rBV	669527	891603	20.79%	1.690%
7	8.992	1152	1156	1164	rVB	41394	54433	1.27%	0.103%
8	9.257	1195	1201	1206	rBV	1421425	1799868	41.98%	3.411%
9	9.334	1210	1214	1221	rBV2	38798	80303	1.87%	0.152%
10	9.522	1241	1246	1250	rBV	38978	63669	1.48%	0.121%
11	9.592	1254	1258	1261	rVV	56993	85430	1.99%	0.162%
12	9.645	1264	1267	1274	rVV4	69315	127302	2.97%	0.241%
13	9.710	1274	1278	1288	rVB3	32452	68546	1.60%	0.130%
14	9.798	1288	1293	1298	rBV	249202	321119	7.49%	0.609%
15	9.845	1298	1301	1306	rVV2	36223	50580	1.18%	0.096%
16	9.934	1310	1316	1320	rVV	562462	793014	18.50%	1.503%
17	9.969	1320	1322	1330	rVB	214657	244887	5.71%	0.464%
18	10.139	1347	1351	1355	rBV	135464	167432	3.91%	0.317%
19	10.251	1366	1370	1373	rBV2	39237	62209	1.45%	0.118%
20	10.345	1382	1386	1391	rBV5	28390	51528	1.20%	0.098%
21	10.486	1405	1410	1415	rVB	279172	364763	8.51%	0.691%
22	10.569	1416	1424	1427	rBV4	43256	104816	2.44%	0.199%
23	10.645	1433	1437	1445	rVB	149368	219972	5.13%	0.417%
24	10.722	1445	1450	1456	rBV	750873	1009350	23.54%	1.913%
25	10.851	1467	1472	1477	rVB2	64286	101801	2.37%	0.193%
26	11.034	1498	1503	1506	rBV2	61595	93264	2.18%	0.177%
27	11.275	1540	1544	1548	rBV2	39269	63658	1.48%	0.121%
28	11.322	1548	1552	1558	rVB	123244	173381	4.04%	0.329%
29	11.428	1565	1570	1571	rBV	537520	647926	15.11%	1.228%
30	11.451	1571	1574	1578	rVV	1439727	1793751	41.84%	3.400%
31	11.504	1578	1583	1586	rVV	630191	827641	19.30%	1.569%
32	11.533	1586	1588	1593	rVB2	63634	78077	1.82%	0.148%
33	11.657	1605	1609	1616	rBV	82169	135870	3.17%	0.258%
34	11.722	1617	1620	1623	rVV	44903	56437	1.32%	0.107%
35	11.757	1623	1626	1631	rVB3	35388	48796	1.14%	0.092%
36	11.928	1651	1655	1656	rBV	193431	215971	5.04%	0.409%

Sample Results: **BF142586.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053025\
Data File : BF142586.D
Acq On : 30 May 2025 23:10
Operator : RC/JU
Sample : Q2150-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-44

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-BF052025.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	11.951	1656	1659	1664	rVV2	364325	540511	12.61%	1.024%
38	12.004	1664	1668	1670	rVV	153266	192956	4.50%	0.366%
39	12.039	1670	1674	1682	rVB	515468	875380	20.42%	1.659%
40	12.222	1701	1705	1709	rBV	149550	202180	4.72%	0.383%
41	12.404	1733	1736	1738	rBV	57161	60032	1.40%	0.114%
42	12.480	1744	1749	1752	rBV	239894	364695	8.51%	0.691%
43	12.516	1752	1755	1761	rVV2	165767	299770	6.99%	0.568%
44	12.569	1761	1764	1772	rVB3	136919	218972	5.11%	0.415%
45	12.645	1772	1777	1782	rBV	2704129	3724141	86.86%	7.059%
46	12.704	1782	1787	1789	rVV2	62323	118193	2.76%	0.224%
47	12.733	1789	1792	1796	rVB	100015	118568	2.77%	0.225%
48	12.798	1799	1803	1809	rVB3	104605	183412	4.28%	0.348%
49	12.875	1809	1816	1822	rBV	2504817	4287590	100.00%	8.127%
50	12.922	1822	1824	1829	rVB2	178314	227409	5.30%	0.431%
51	13.010	1831	1839	1847	rVB2	1278209	2115090	49.33%	4.009%
52	13.092	1847	1853	1860	rBV4	320415	693878	16.18%	1.315%
53	13.198	1864	1871	1875	rVB	560113	1032510	24.08%	1.957%
54	13.269	1879	1883	1886	rVV	423772	554161	12.92%	1.050%
55	13.304	1886	1889	1896	rVB2	424173	595676	13.89%	1.129%
56	13.398	1901	1905	1907	rBV	244419	296785	6.92%	0.563%
57	13.427	1907	1910	1914	rVB	224820	269706	6.29%	0.511%
58	13.710	1951	1958	1962	rBV2	220399	407211	9.50%	0.772%
59	13.822	1972	1977	1979	rBV3	330427	512024	11.94%	0.970%
60	13.874	1984	1986	1990	rVB2	188343	227411	5.30%	0.431%
61	14.069	2012	2019	2022	rBV2	2195525	3780788	88.18%	7.166%
62	14.104	2022	2025	2031	rVB	1701299	2322671	54.17%	4.402%
63	14.180	2035	2038	2041	rVB	248893	291907	6.81%	0.553%
64	14.292	2054	2057	2061	rVB2	131674	160172	3.74%	0.304%
65	14.457	2081	2085	2088	rBV	361347	482225	11.25%	0.914%
66	14.492	2089	2091	2095	rVB	226872	231224	5.39%	0.438%
67	14.586	2104	2107	2109	rBV	159422	195761	4.57%	0.371%
68	15.139	2194	2201	2210	rBV	1511861	3877801	90.44%	7.350%
69	15.245	2215	2219	2223	rVB	320204	444418	10.37%	0.842%
70	15.445	2248	2253	2259	rVB	782088	1319042	30.76%	2.500%
71	15.516	2259	2265	2270	rVV	1174673	1823846	42.54%	3.457%
72	15.574	2271	2275	2278	rVV	366569	621877	14.50%	1.179%
73	15.604	2278	2280	2288	rVB2	368518	576723	13.45%	1.093%
74	17.092	2526	2533	2541	rVB2	520999	1150182	26.83%	2.180%
75	17.551	2605	2611	2621	rVB	402404	922232	21.51%	1.748%

Sample Results: **BF142586.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053025\
Data File : BF142586.D
Acq On : 30 May 2025 23:10
Operator : RC/JU
Sample : Q2150-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-44

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-BF052025.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Sum of corrected areas: 52760187

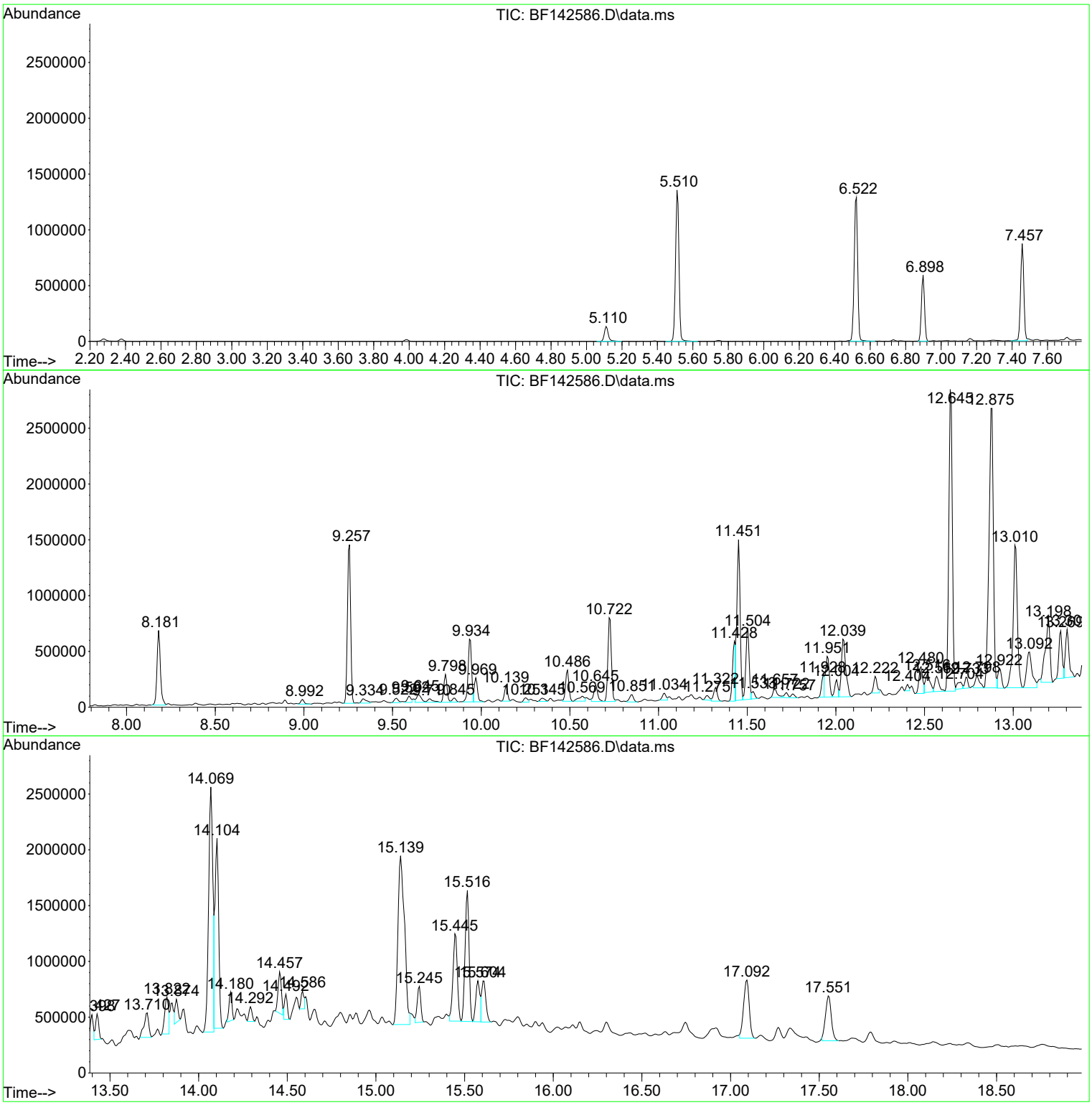
Sample Results: **BF142586.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053025\
Data File : BF142586.D
Acq On : 30 May 2025 23:10
Operator : RC/JU
Sample : Q2150-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-44

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.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\BF053025\
Data File : BF142586.D
Acq On : 30 May 2025 23:10
Operator : RC/JU
Sample : Q2150-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-44

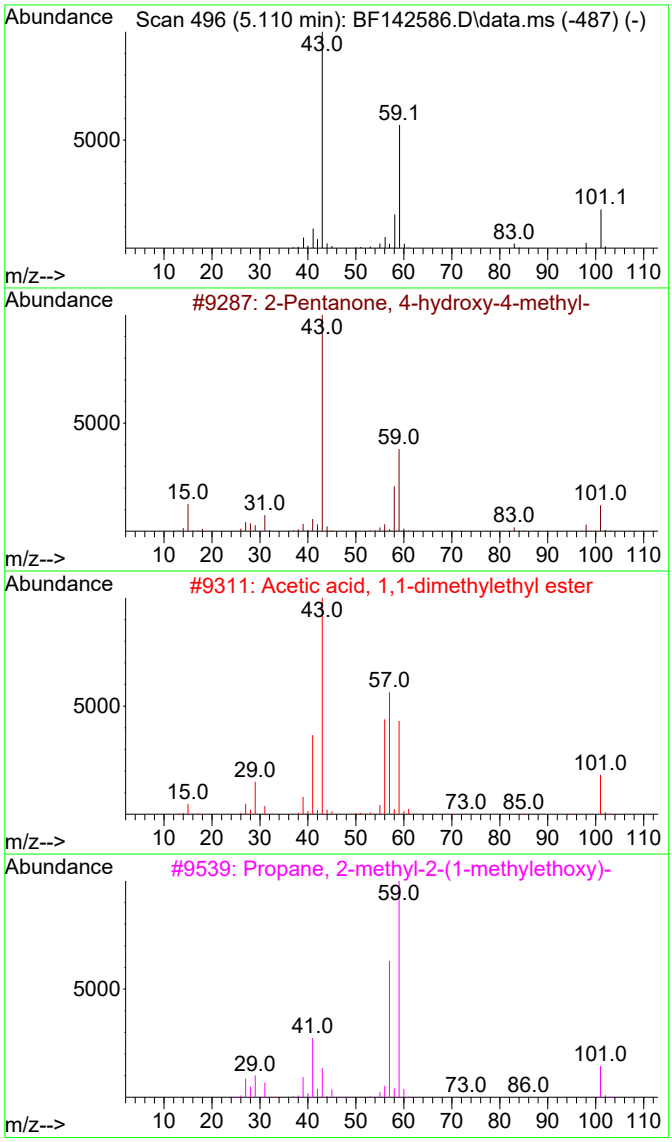
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

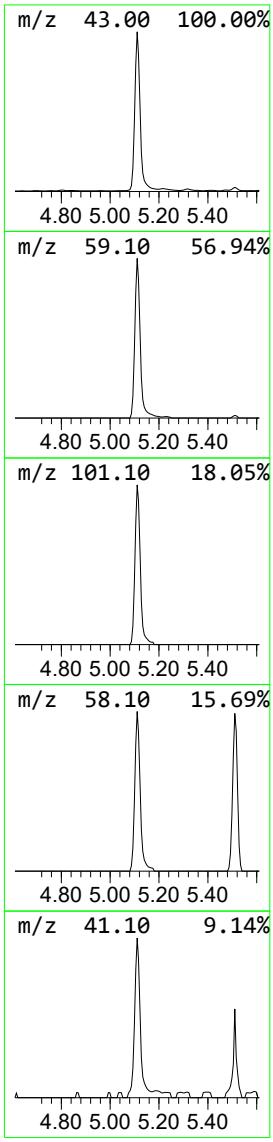
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.110	5.87 ng	210435	1,4-Dichlorobenzene-d4	6.898

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	45
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	39
3	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	33
4	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
5	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053025\
Data File : BF142586.D
Acq On : 30 May 2025 23:10
Operator : RC/JU
Sample : Q2150-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-44

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.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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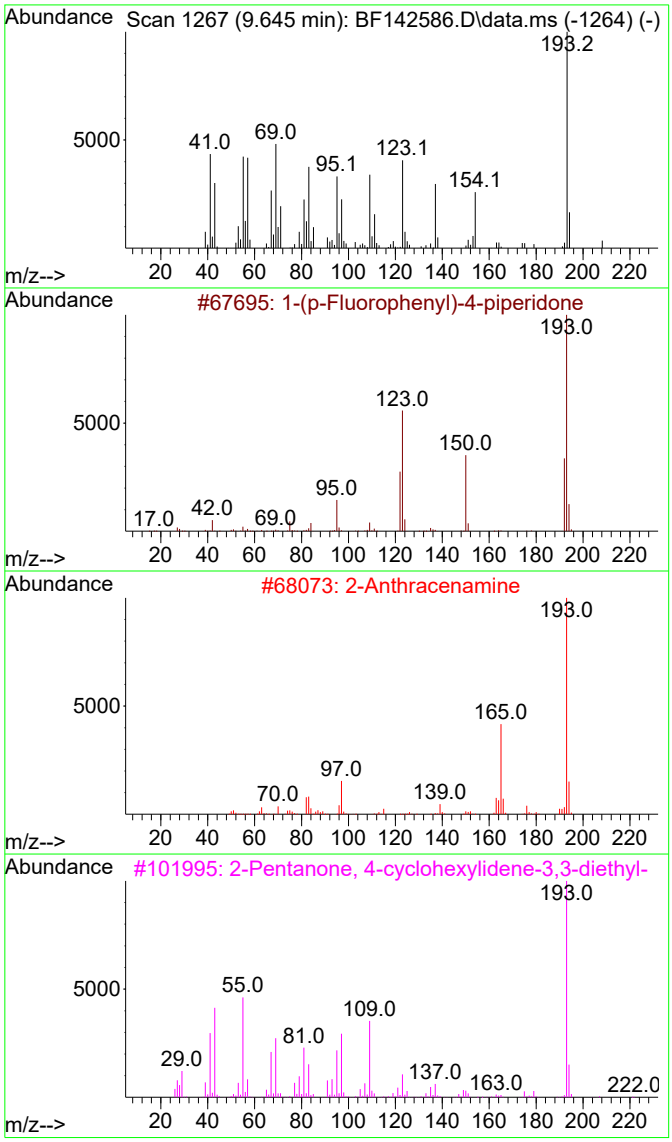
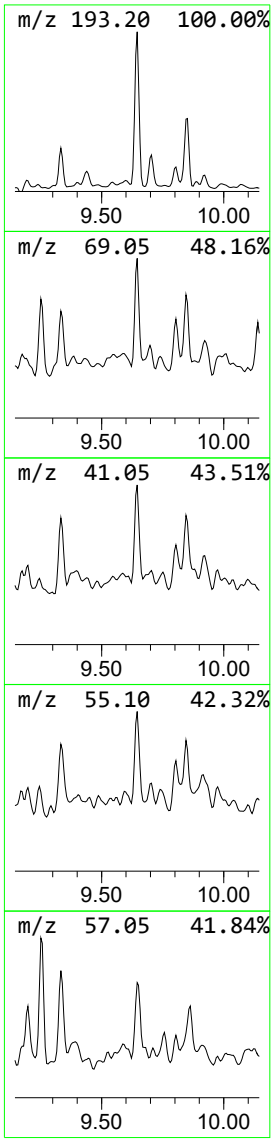
Peak Number 2 unknown9.645 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.645	3.21 ng	127302	Acenaphthene-d10	9.939

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-(p-Fluorophenyl)-4-piperidone	193	C11H12FNO	1000238-56-7	46
2	2-Anthracenamine	193	C14H11N	000613-13-8	35
3	2-Pentanone, 4-cyclohexylidene-3...	222	C15H26O	313253-65-5	35
4	Butan-2-one, 1-[3-(3,3-dimethyl-...	278	C16H26N2O2	1000303-34-2	35
5	Pyrazole, 5-methyl-3-(5-nitro-2-...	193	C8H7N3O3	016239-90-0	27





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Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.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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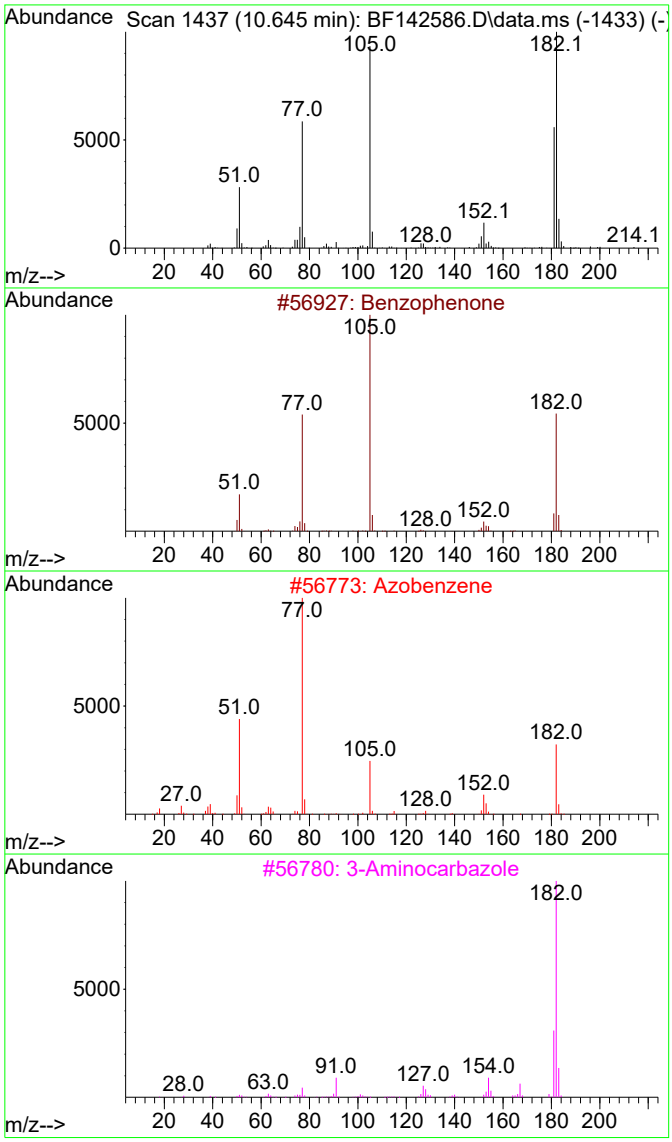
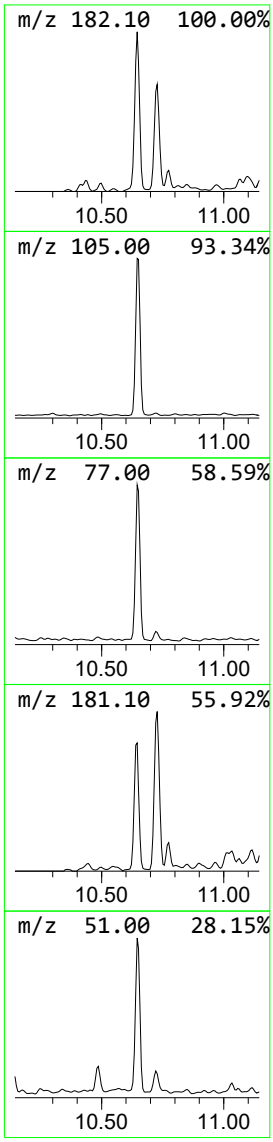
Peak Number 3 Benzophenone Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.645	5.55 ng	219972	Acenaphthene-d10	9.939

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	87
2	Azobenzene	182	C12H10N2	000103-33-3	53
3	3-Aminocarbazole	182	C12H10N2	006377-12-4	38
4	Phenyl 4-pyridyl ketone	183	C12H9NO	014548-46-0	38
5	Benzenecarbothioic acid, S-methy...	152	C8H8OS	005925-68-8	38





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Sample : Q2150-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.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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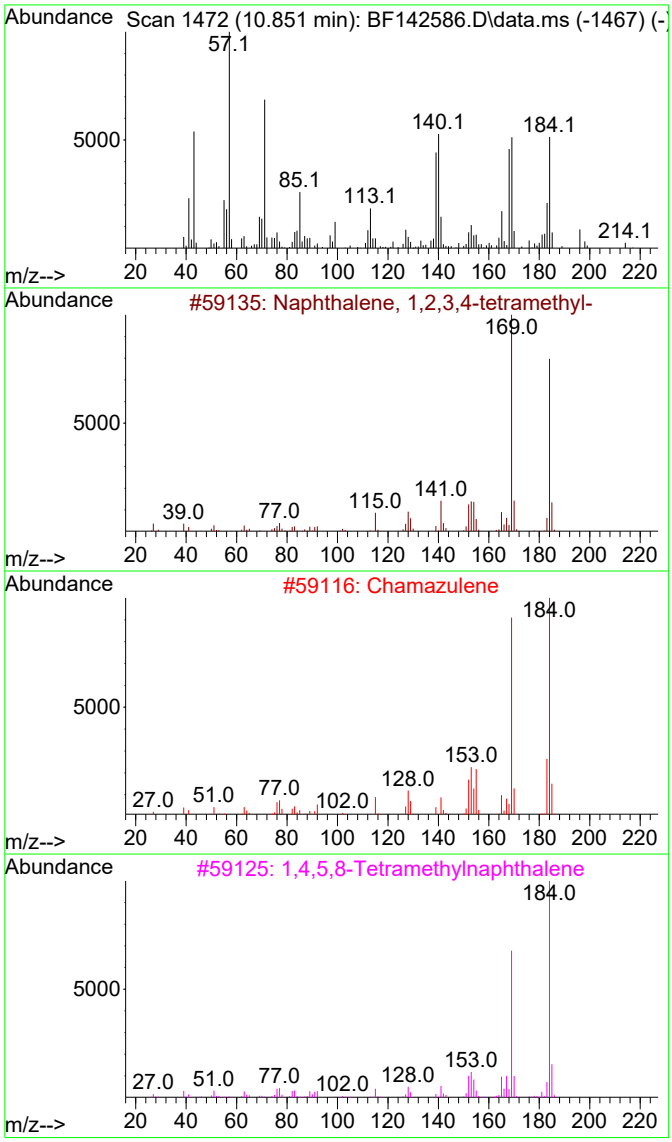
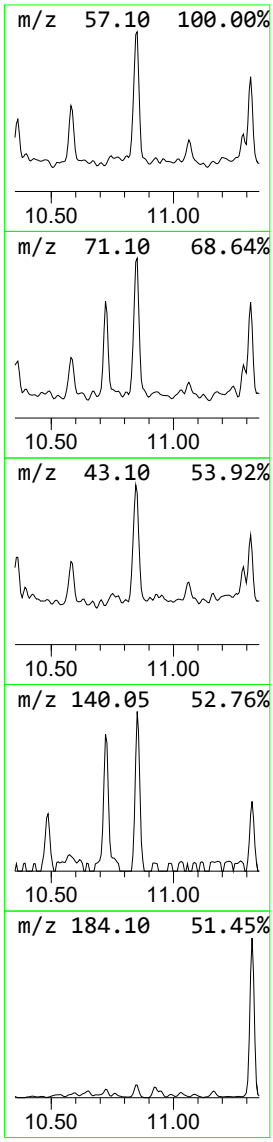
Peak Number 4 unknown10.851 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.851	3.14 ng	101801	Phenanthrene-d10	11.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetramethyl-	184	C14H16	003031-15-0	35
2	Chamazulene	184	C14H16	000529-05-5	35
3	1,4,5,8-Tetramethylnaphthalene	184	C14H16	002717-39-7	35
4	Benzene, (4,5,5-trimethyl-1,3-cy...	184	C14H16	033930-85-7	35
5	2,4,6(1H,3H,5H)-Pyrimidinetrione...	184	C8H12N2O3	007391-61-9	30





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Sample : Q2150-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-44

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.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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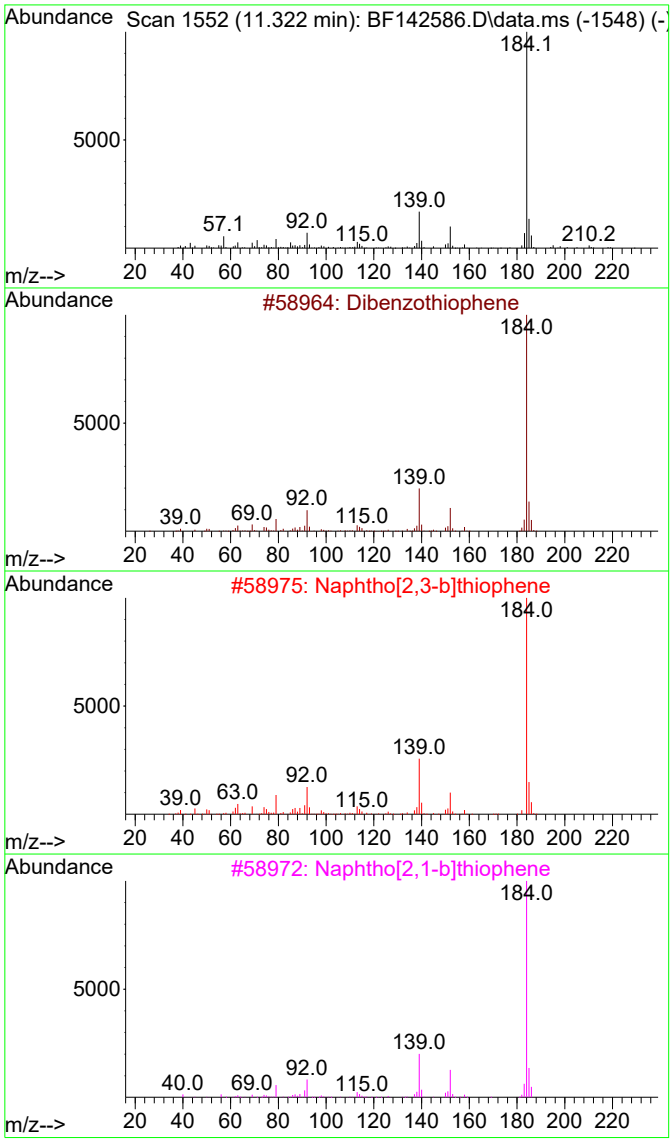
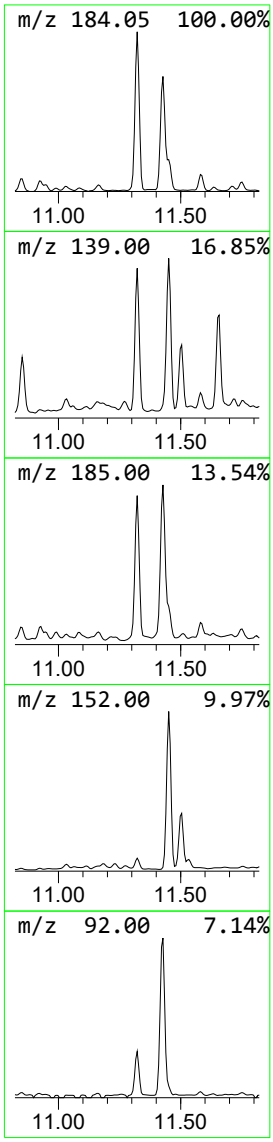
Peak Number 5 Dibenzothiophene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.322	5.35 ng	173381	Phenanthrene-d10	11.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	97
2	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	97
3	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	95
4	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	95
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91





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Sample : Q2150-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-44

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.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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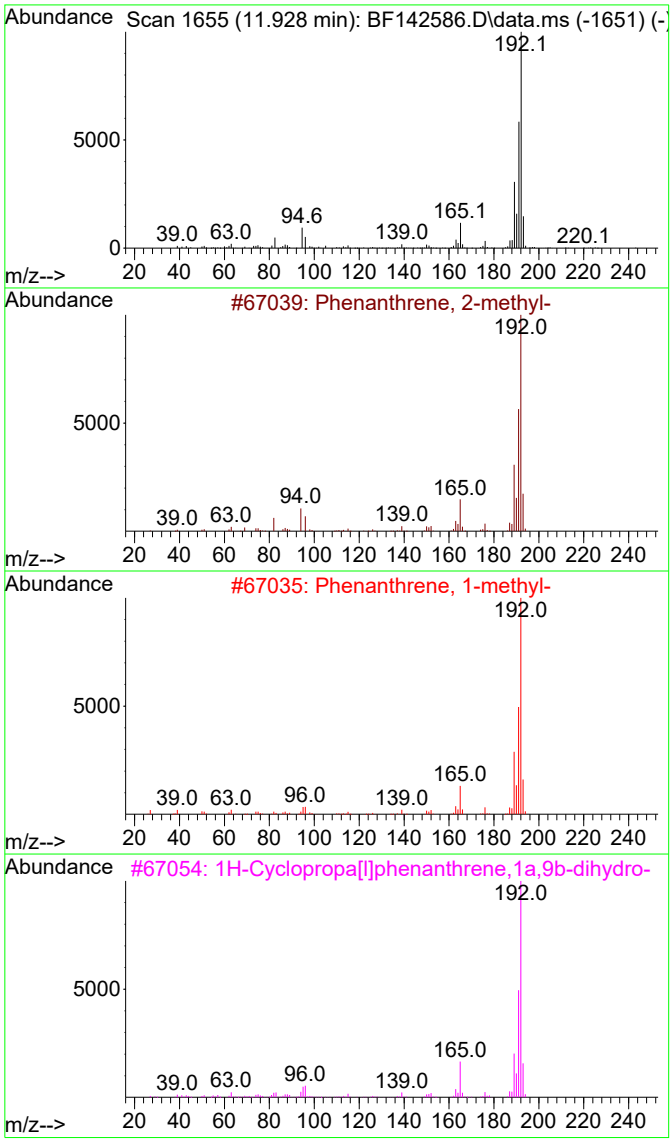
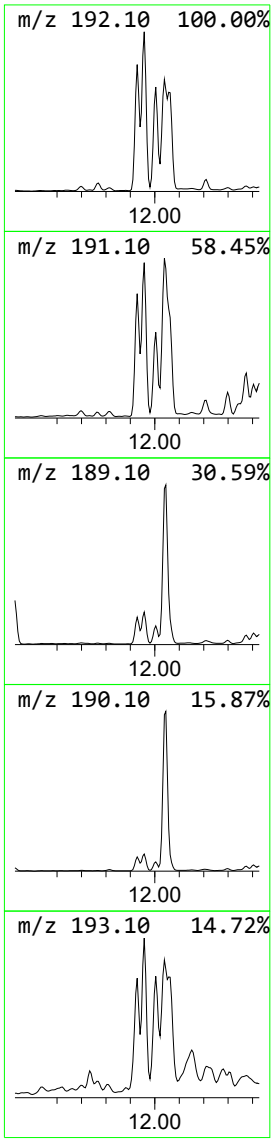
Peak Number 6 Phenanthrene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.928	6.67 ng	215971	Phenanthrene-d10	11.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	93





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Sample : Q2150-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-44

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.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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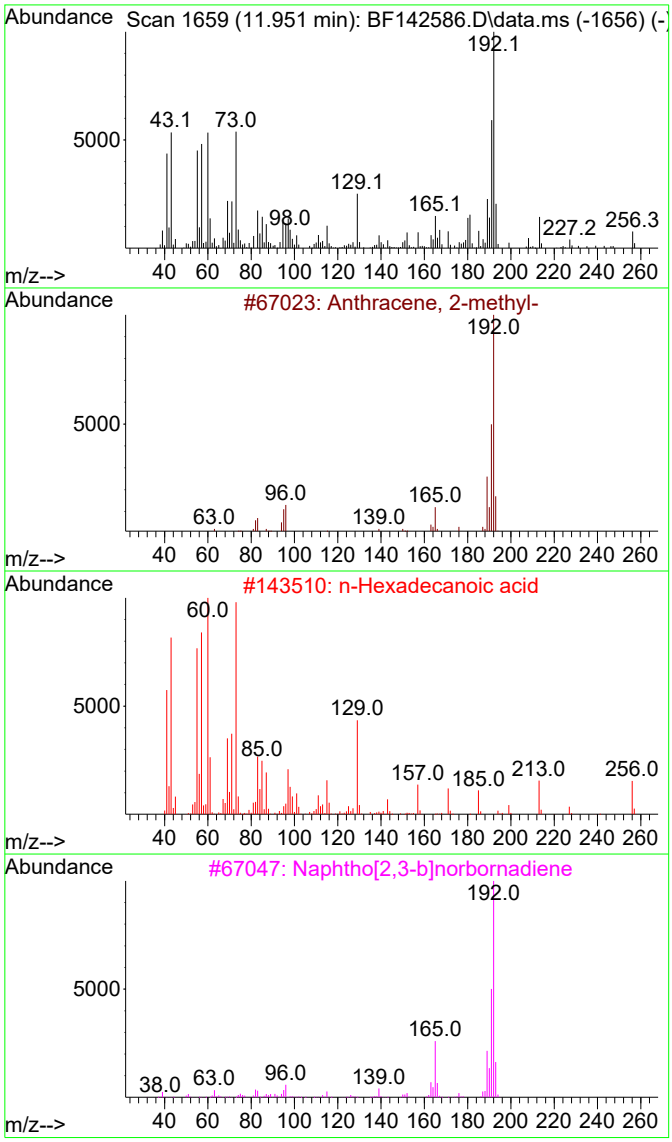
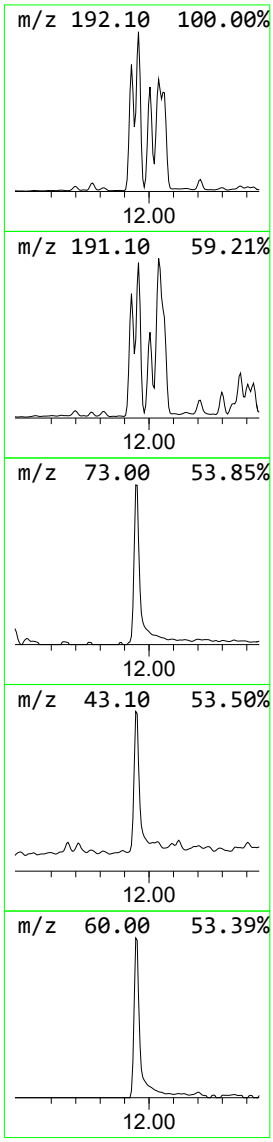
Peak Number 7 Anthracene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.951	16.68 ng	540511	Phenanthrene-d10	11.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	91
3	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	90
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	87
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	70





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Sample : Q2150-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-44

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.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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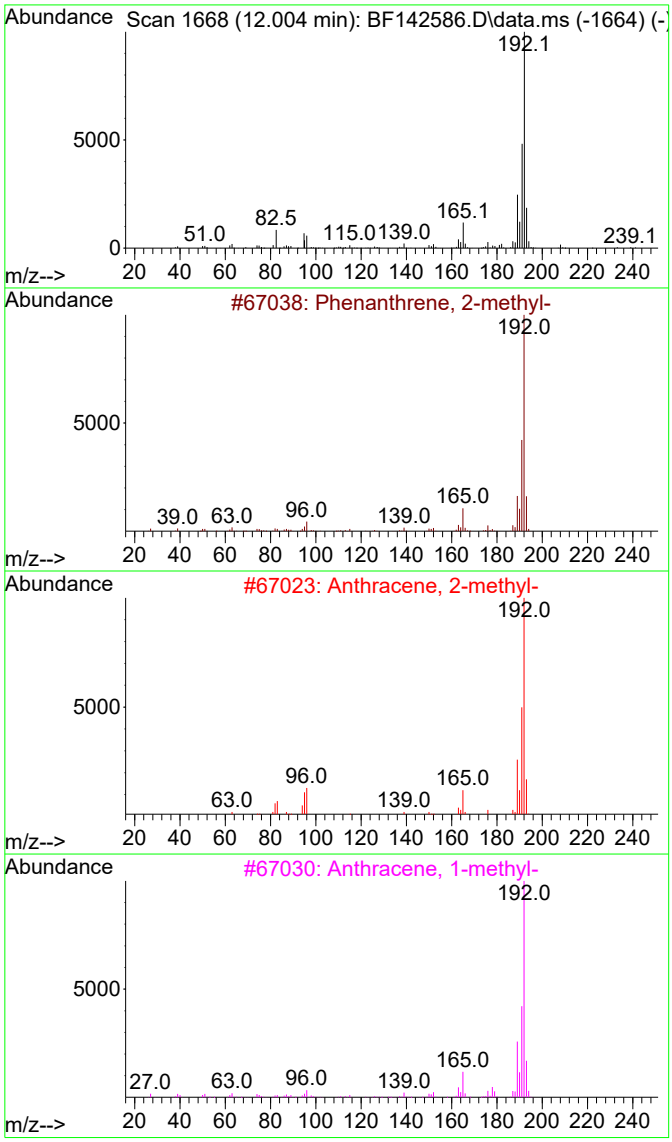
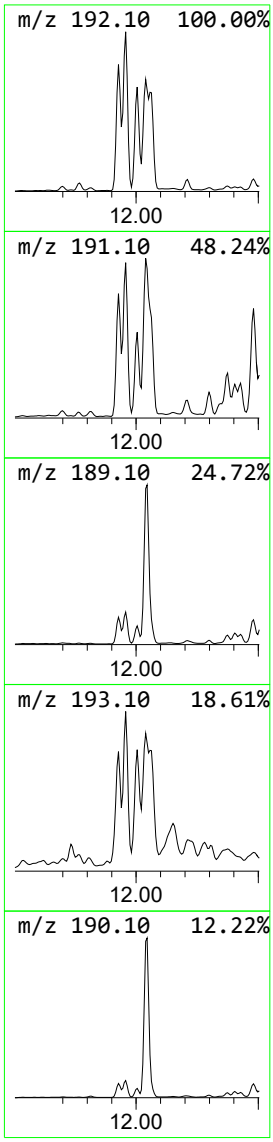
Peak Number 8 Anthracene, 1-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.004	5.96 ng	192956	Phenanthrene-d10	11.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94





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Sample : Q2150-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-44

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.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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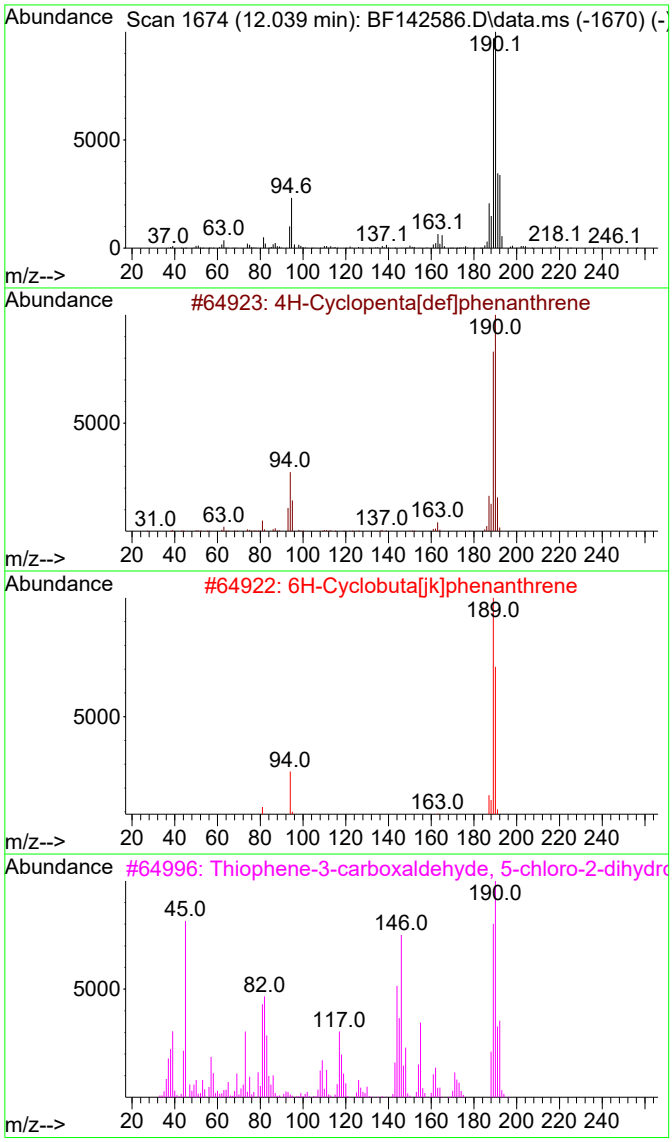
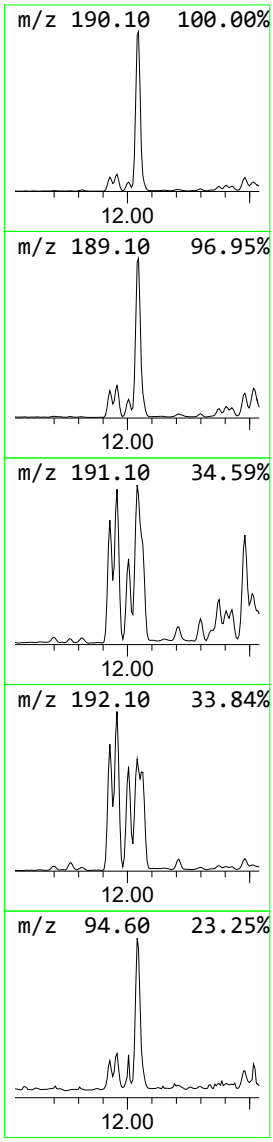
Peak Number 9 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.039	27.02 ng	875380	Phenanthrene-d10	11.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	72
3	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	52
4	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
5	Methyl diselenide	190	C2H6Se2	007101-31-7	46





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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.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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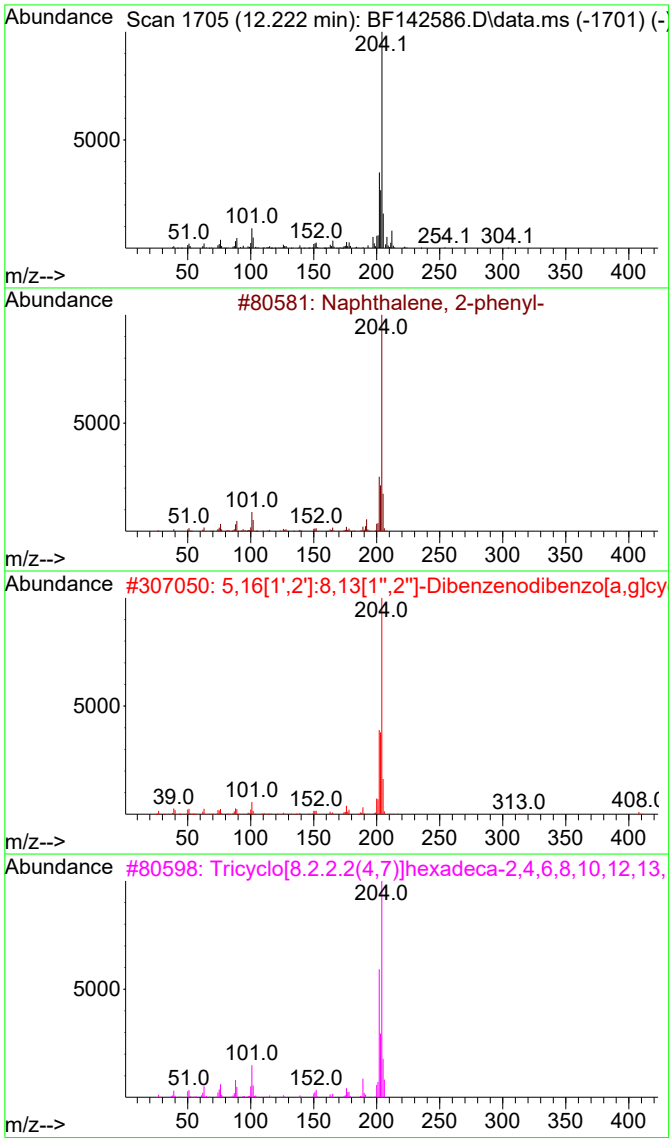
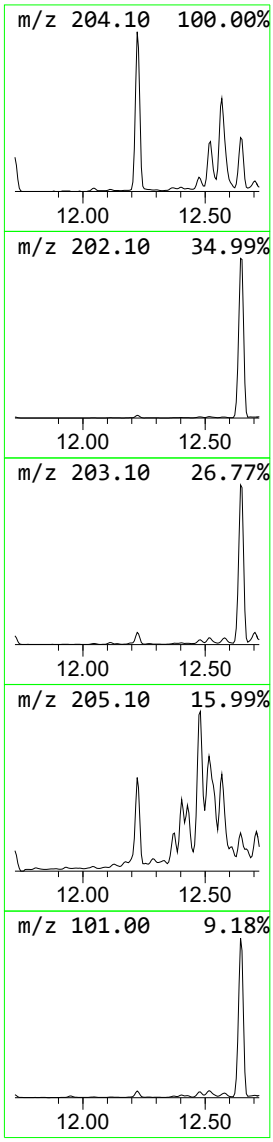
Peak Number 10 Naphthalene, 2-phenyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.222	6.24 ng	202180	Phenanthrene-d10	11.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	74
4	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	52
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	52





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TIC Library : C:\Database\NIST20.L
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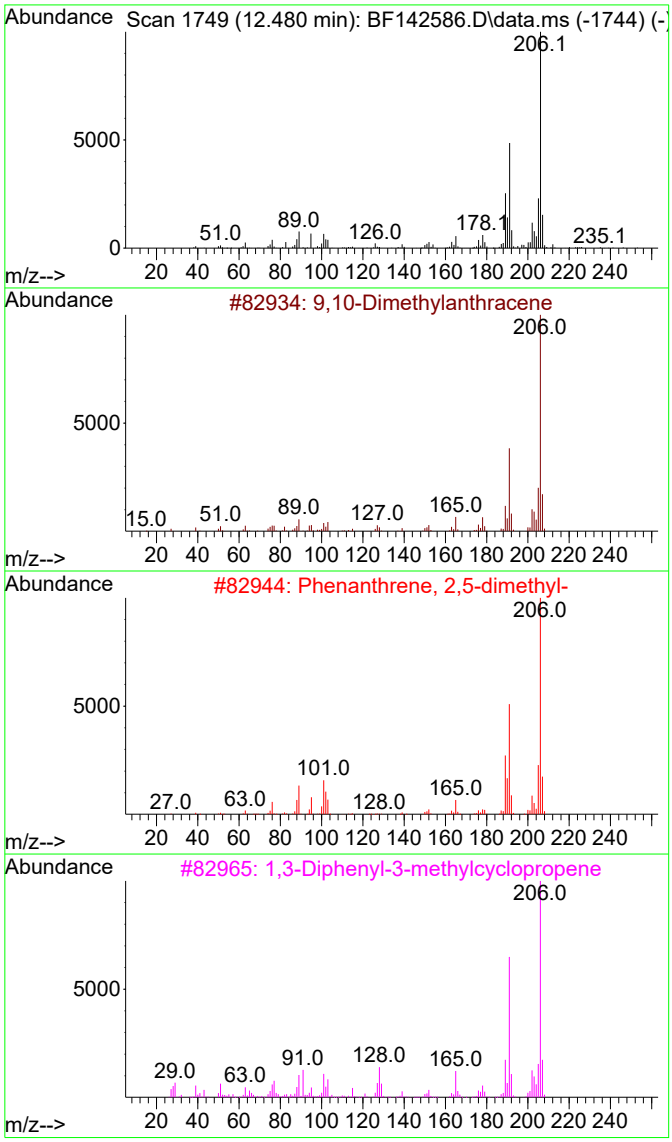
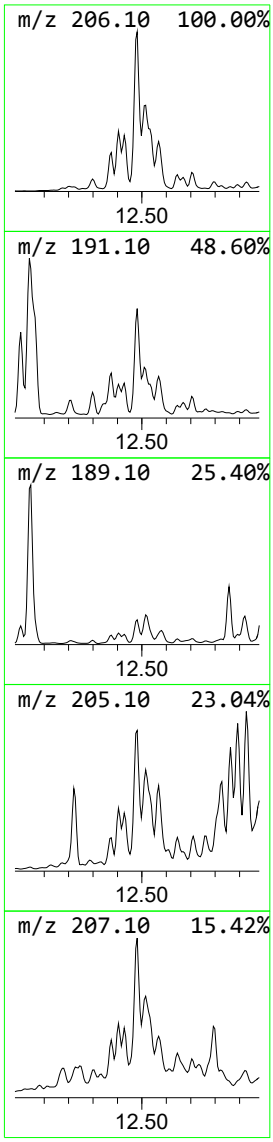
Peak Number 11 9,10-Dimethylanthracene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.480	11.26 ng	364695	Phenanthrene-d10	11.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	95
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
3	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	90
4	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	87
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87





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ALS Vial : 22 Sample Multiplier: 1

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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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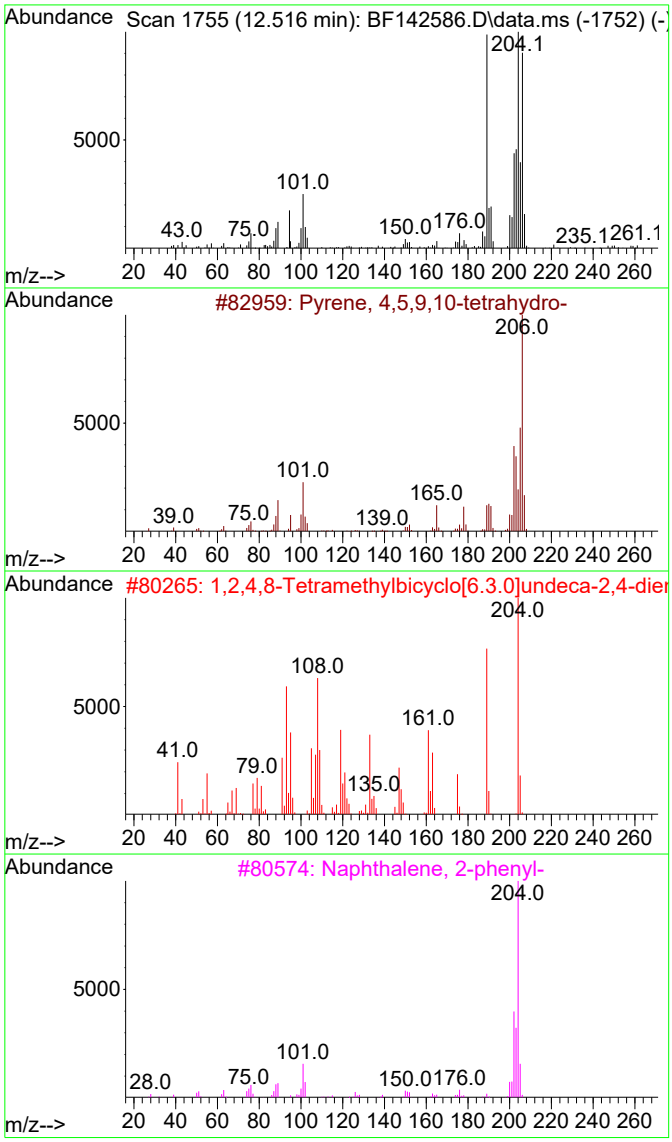
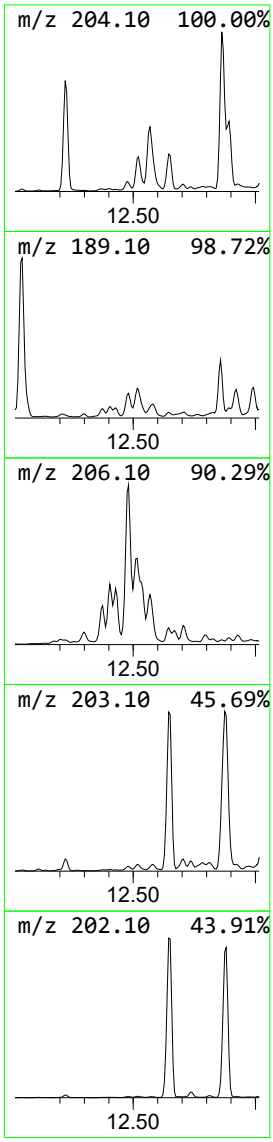
Peak Number 12 Pyrene, 4,5,9,10-tetrahydro- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.516	9.25 ng	299770	Phenanthrene-d10	11.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	55
2	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	38
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	38
4	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	35
5	Benzoic acid, p-[[(dimethylamino...	206	C11H14N2O2	029390-16-7	30





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Sample : Q2150-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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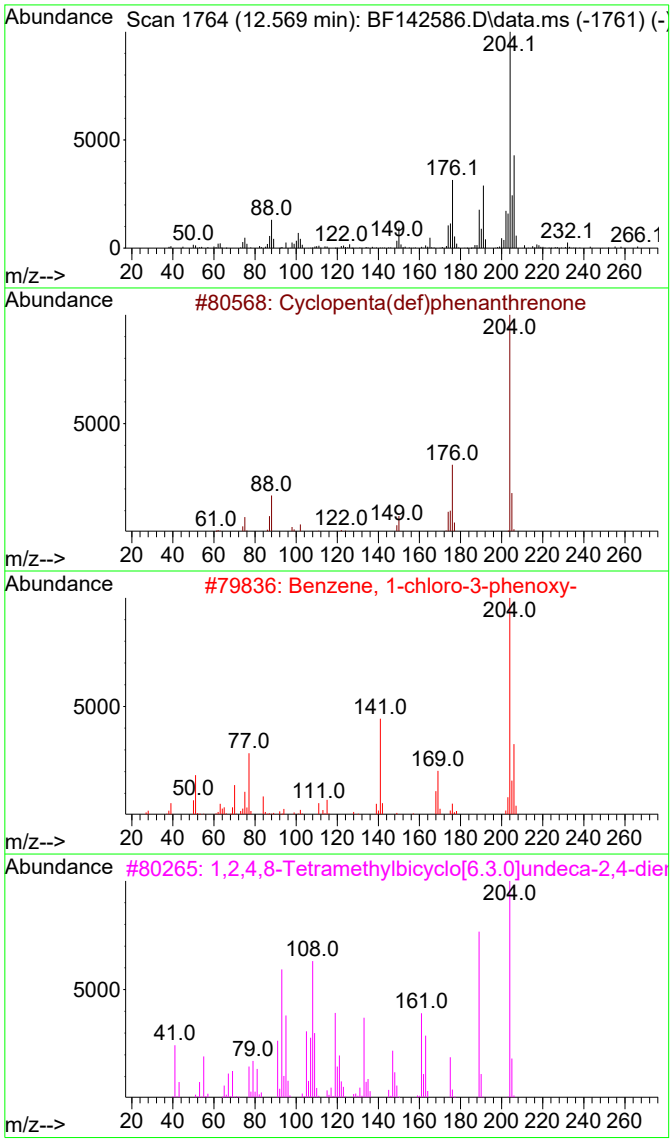
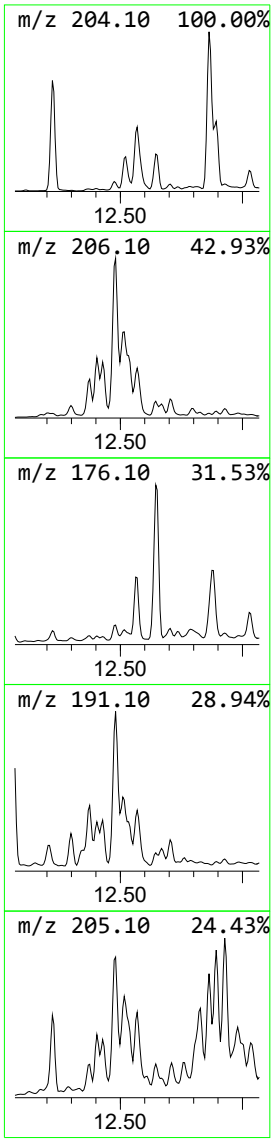
Peak Number 13 Cyclopenta(def)phenanthrenone Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.569	6.76 ng	218972	Phenanthrene-d10	11.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	90
2	Benzene, 1-chloro-3-phenoxy-	204	C12H9ClO	006452-49-9	50
3	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	50
4	5,6,7,8-Tetrahydrothieno[2,3-b]q...	204	C11H12N2S	122914-50-5	50
5	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053025\
Data File : BF142586.D
Acq On : 30 May 2025 23:10
Operator : RC/JU
Sample : Q2150-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-44

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

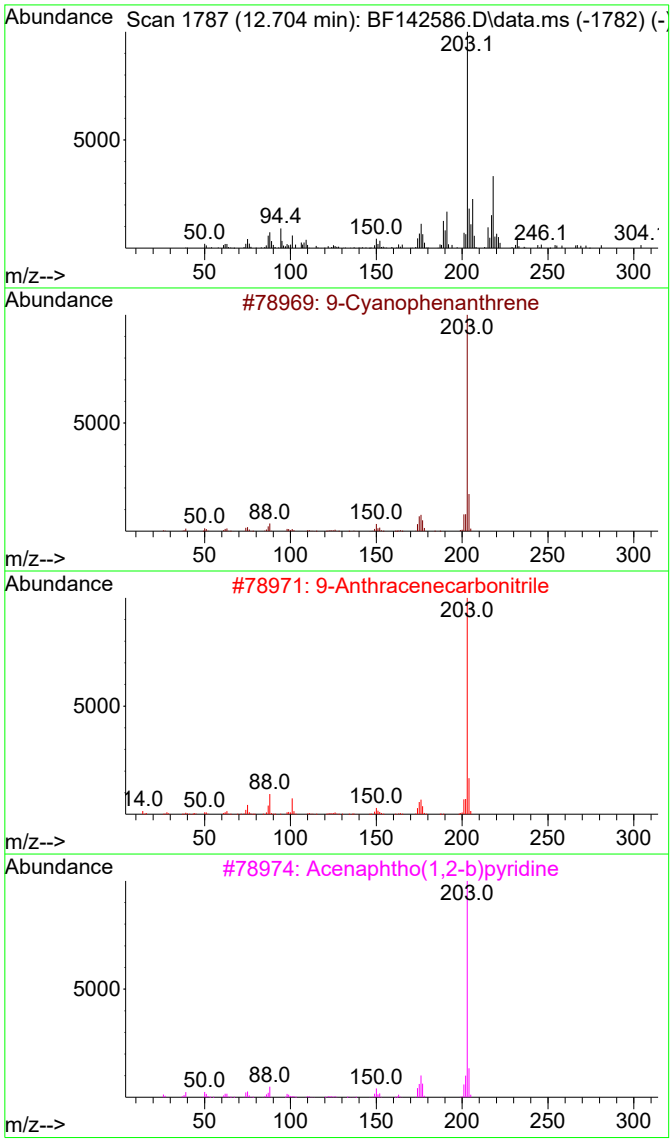
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

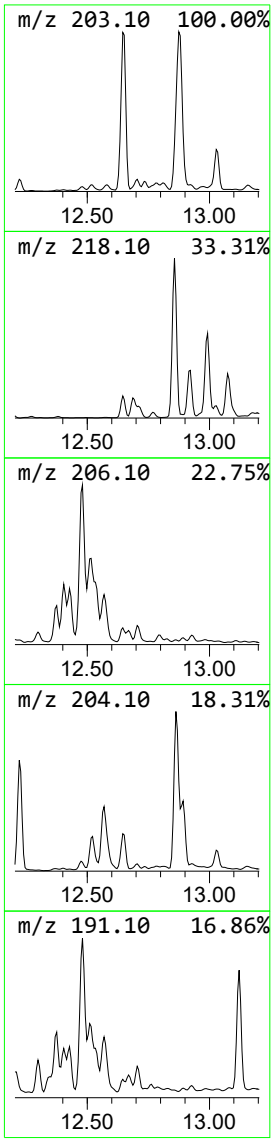
****

Peak Number 14 9-Cyanophenanthrene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.704	3.65 ng	118193	Phenanthrene-d10	11.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Cyanophenanthrene	203	C15H9N	002510-55-6	90
2	9-Anthracenecarbonitrile	203	C15H9N	001210-12-4	90
3	Acenaphtho(1,2-b)pyridine	203	C15H9N	000206-49-5	64
4	6-Quinoxalinol, TMS derivative	218	C11H14N2OSi	1000474-34-3	52
5	3H-1,2,4-Triazole-3-thione, 2,4-...	218	C10H10N4S	091813-63-7	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053025\
Data File : BF142586.D
Acq On : 30 May 2025 23:10
Operator : RC/JU
Sample : Q2150-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-44

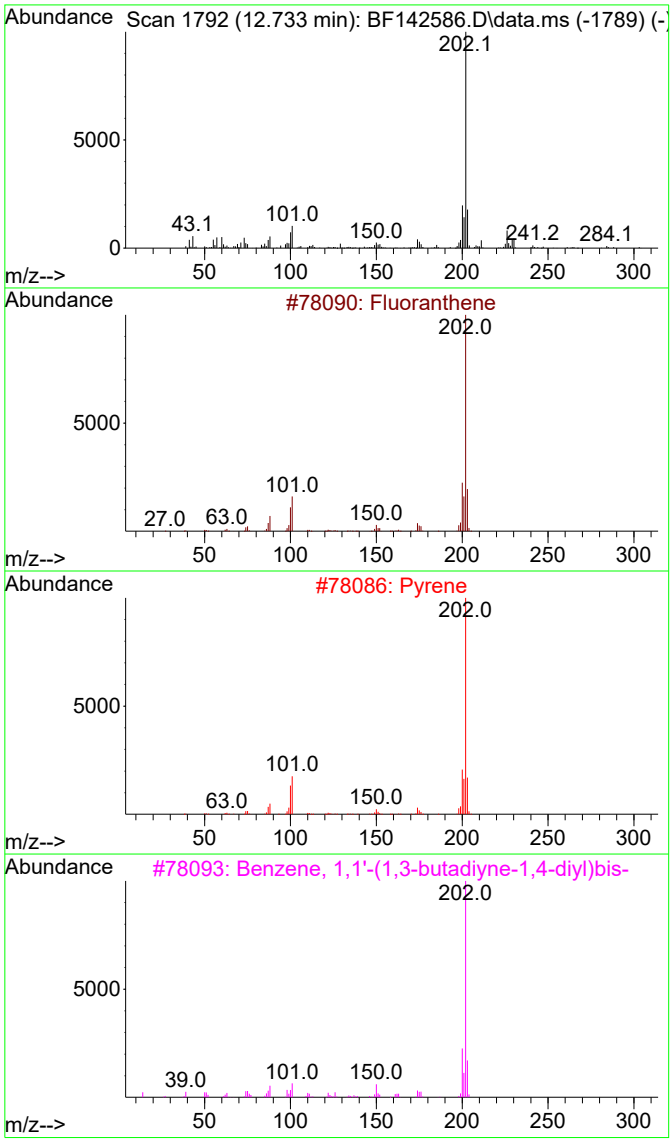
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

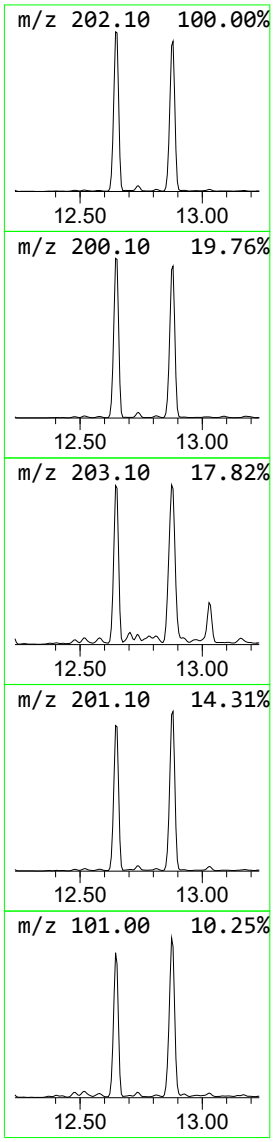
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 Benzene, 1,1'-(1,3-butadiyn... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.733	3.66 ng	118568	Phenanthrene-d10	11.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene	202	C16H10	000206-44-0	96
2	Pyrene	202	C16H10	000129-00-0	83
3	Benzene, 1,1'-(1,3-butadiyne-1,4...	202	C16H10	000886-66-8	70
4	4,4'-Bis(tetrahydrothiopyran)	202	C10H18S2	116196-83-9	60
5	3(2H)-Pyridazinone, 6-(4-methoxy...	202	C11H10N2O2	002166-33-8	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053025\
Data File : BF142586.D
Acq On : 30 May 2025 23:10
Operator : RC/JU
Sample : Q2150-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-44

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

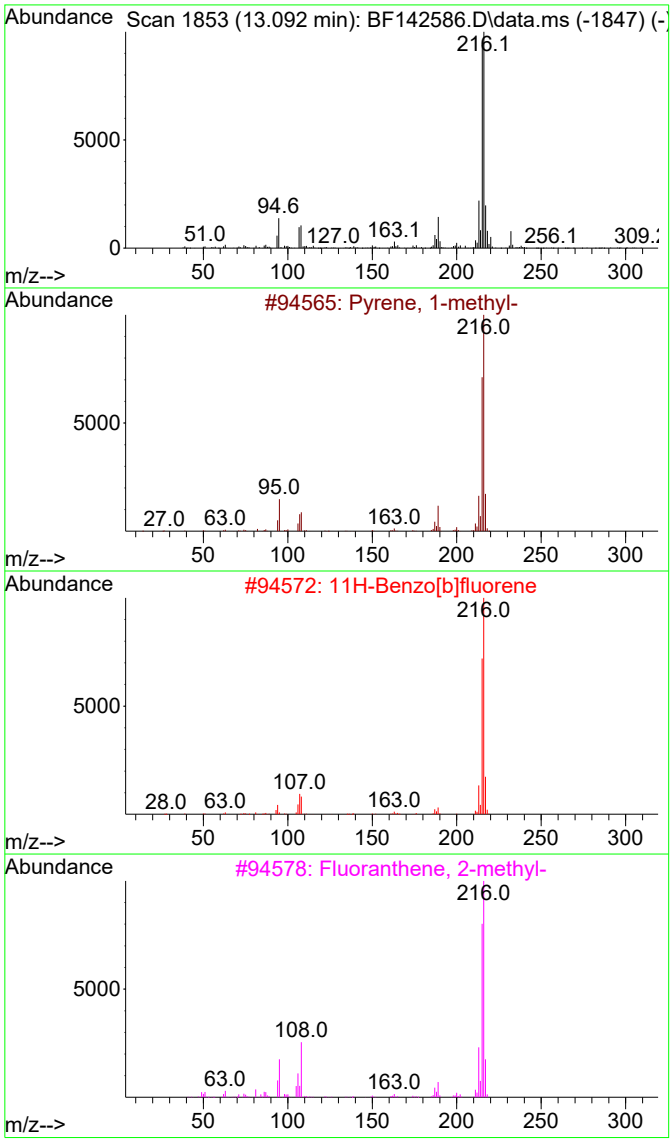
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

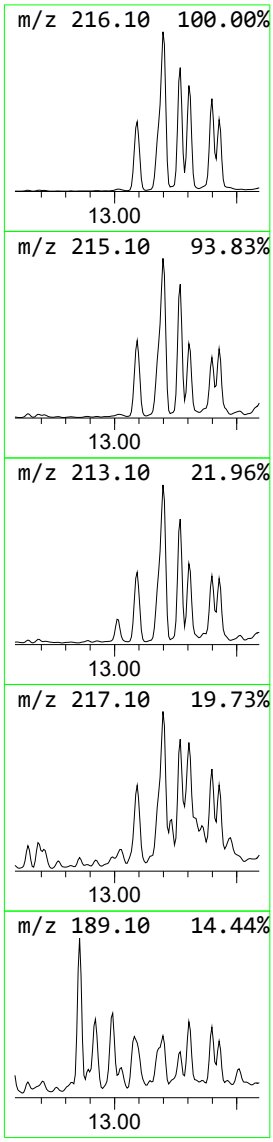
****

Peak Number 16 Pyrene, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.092	3.67 ng	693878	Chrysene-d12	14.075

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	89
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	83





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053025\
Data File : BF142586.D
Acq On : 30 May 2025 23:10
Operator : RC/JU
Sample : Q2150-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-44

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

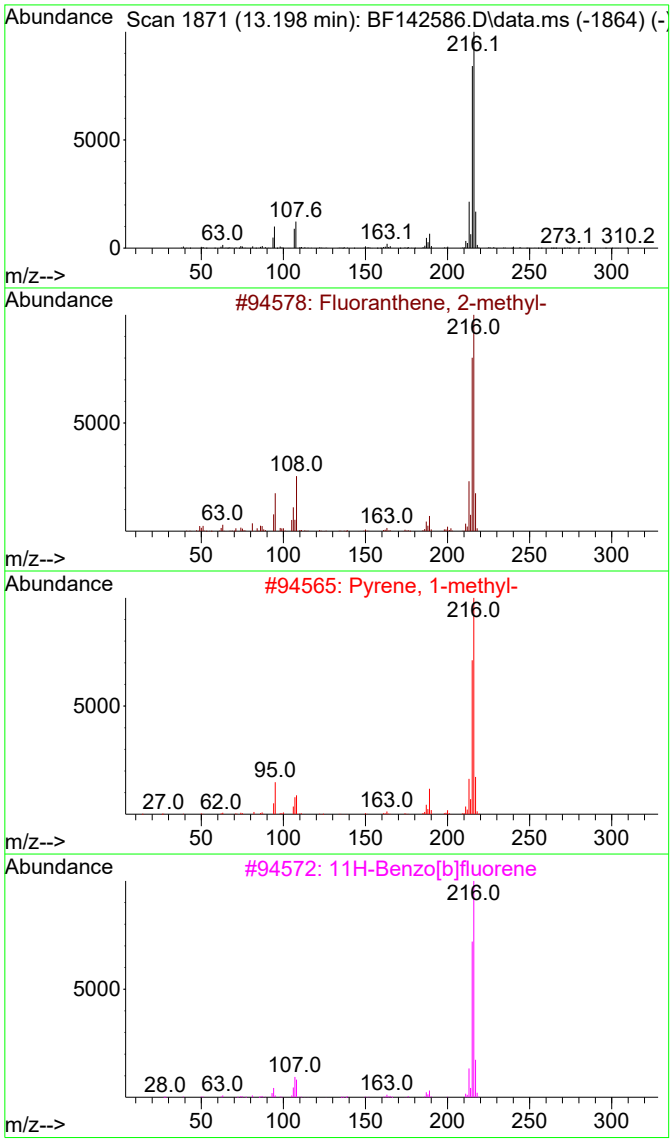
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

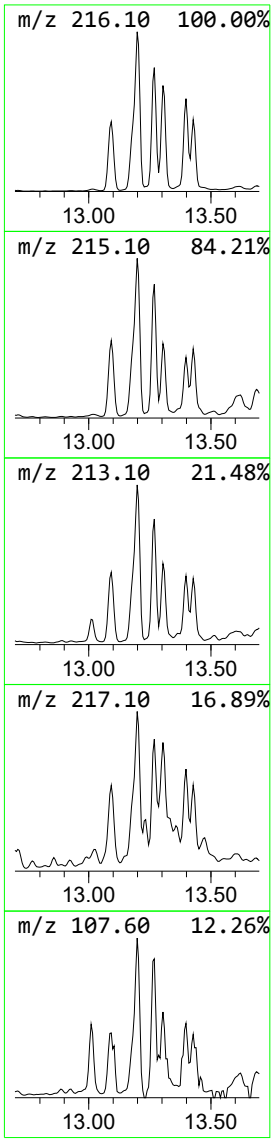
****

Peak Number 17 Fluoranthene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.198	5.46 ng	1032510	Chrysene-d12	14.075

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053025\
Data File : BF142586.D
Acq On : 30 May 2025 23:10
Operator : RC/JU
Sample : Q2150-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-44

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

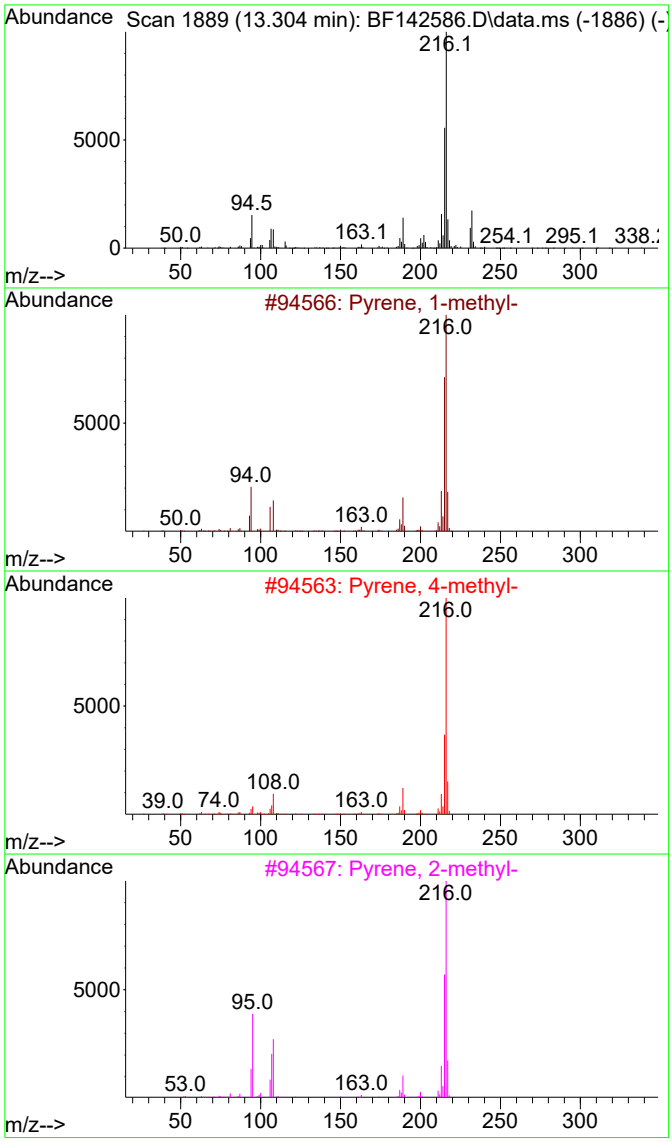
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

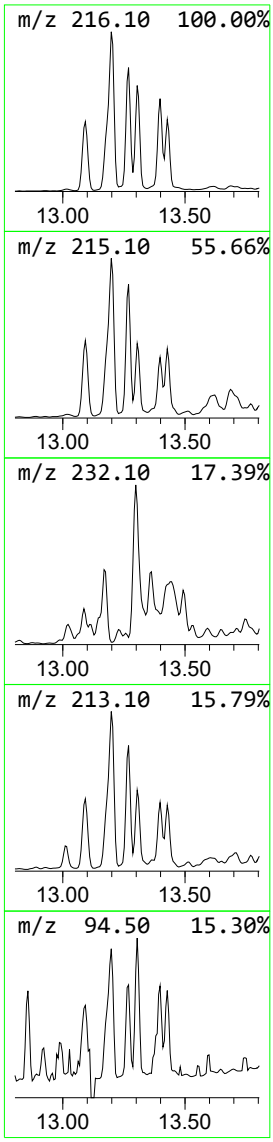
****

Peak Number 18 Pyrene, 4-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.304	3.15 ng	595676	Chrysene-d12	14.075

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Pyrene, 4-methyl-	216	C17H12	003353-12-6	93
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	92
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053025\
Data File : BF142586.D
Acq On : 30 May 2025 23:10
Operator : RC/JU
Sample : Q2150-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-44

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

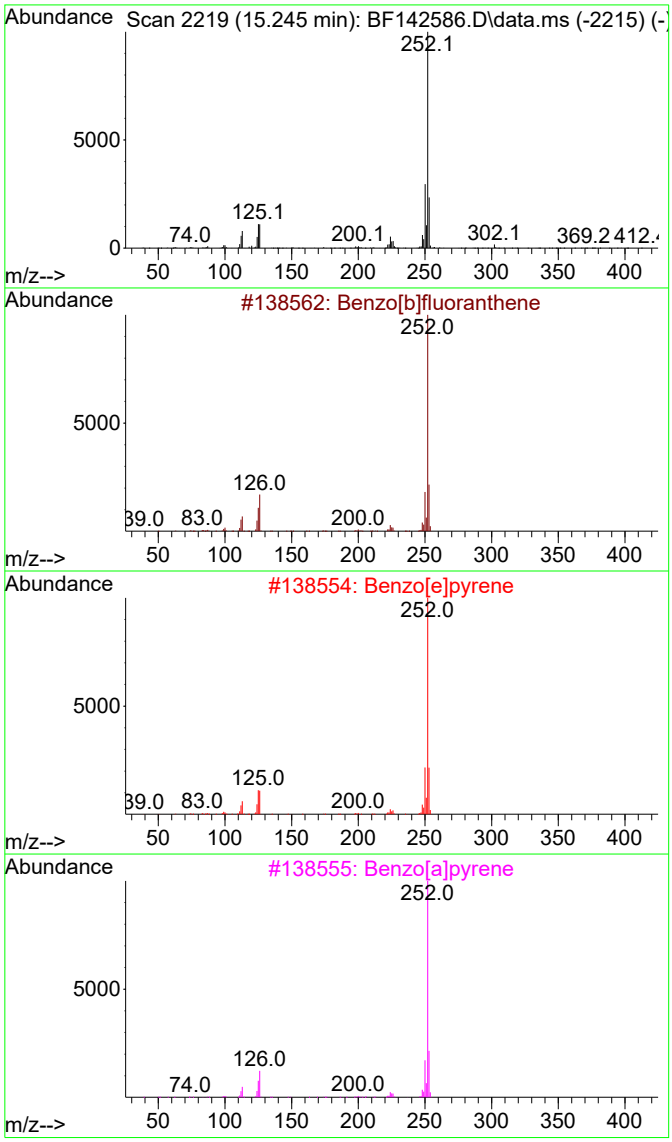
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

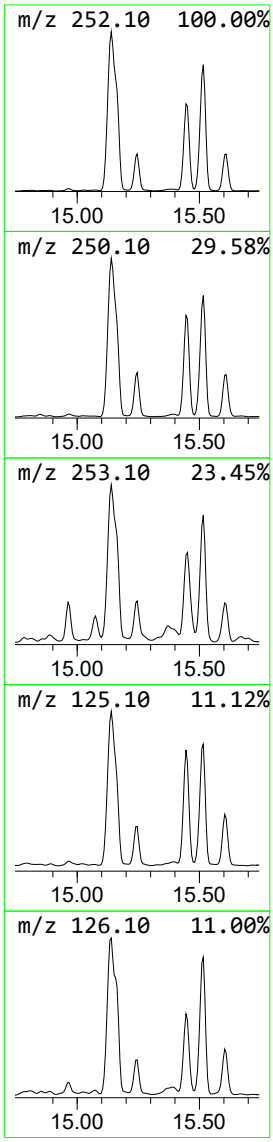
****

Peak Number 19 Benzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.245	14.29 ng	444418	Perylene-d12	15.574

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]fluoranthene	252	C20H12	000205-99-2	97
2	Benzo[e]pyrene	252	C20H12	000192-97-2	93
3	Benzo[a]pyrene	252	C20H12	000050-32-8	90
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	81





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053025\
Data File : BF142586.D
Acq On : 30 May 2025 23:10
Operator : RC/JU
Sample : Q2150-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-44

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

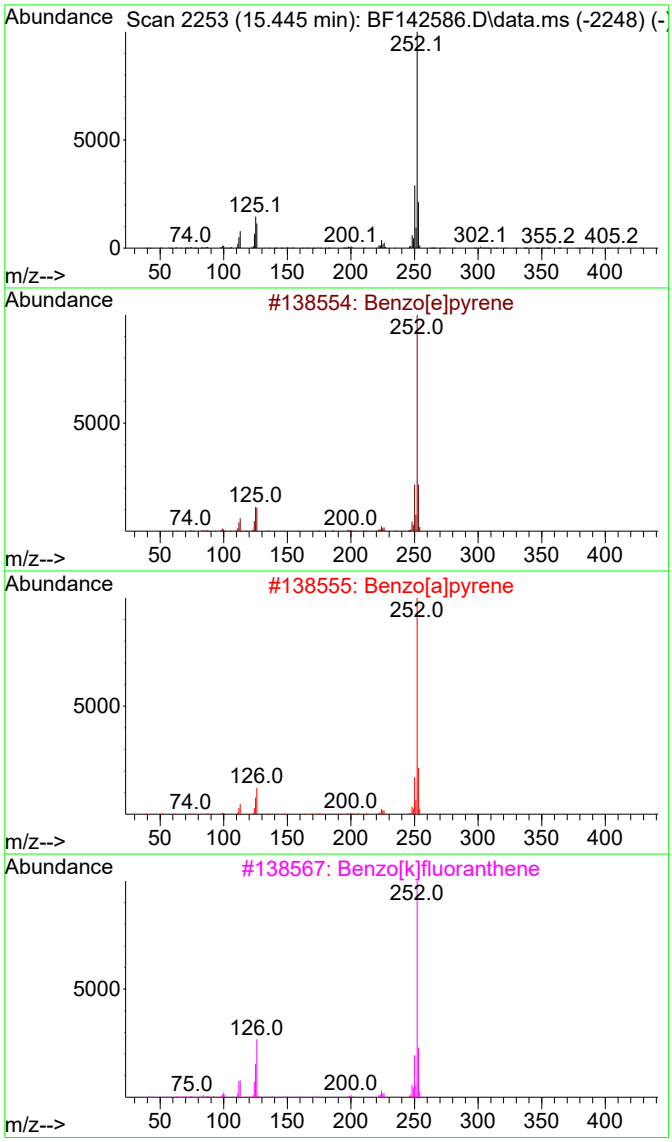
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

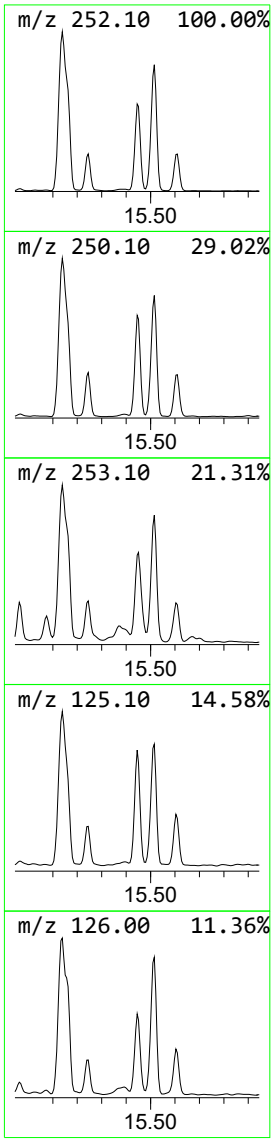
****

Peak Number 20 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.445	42.42 ng	1319040	Perylene-d12	15.574

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	94
2	Benzo[a]pyrene	252	C20H12	000050-32-8	93
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
4	Perylene	252	C20H12	000198-55-0	90
5	Benzo[b]fluoranthene	252	C20H12	000205-99-2	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053025\
Data File : BF142586.D
Acq On : 30 May 2025 23:10
Operator : RC/JU
Sample : Q2150-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-44

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.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	5.9	ng	210435	1	6.898	716473	20.0
unknown9.645	9.645	3.2	ng	127302	3	9.939	793014	20.0
Benzophenone	10.645	5.5	ng	219972	3	9.939	793014	20.0
unknown10.851	10.851	3.1	ng	101801	4	11.428	647926	20.0
Dibenzothiophene	11.322	5.3	ng	173381	4	11.428	647926	20.0
Phenanthrene, 2...	11.928	6.7	ng	215971	4	11.428	647926	20.0
Anthracene, 2-m...	11.951	16.7	ng	540511	4	11.428	647926	20.0
Anthracene, 1-m...	12.004	6.0	ng	192956	4	11.428	647926	20.0
4H-Cyclopenta[d...	12.039	27.0	ng	875380	4	11.428	647926	20.0
Naphthalene, 2-...	12.222	6.2	ng	202180	4	11.428	647926	20.0
9,10-Dimethylan...	12.480	11.3	ng	364695	4	11.428	647926	20.0
Pyrene, 4,5,9,1...	12.516	9.3	ng	299770	4	11.428	647926	20.0
Cyclopenta(def)...	12.569	6.8	ng	218972	4	11.428	647926	20.0
9-Cyanophenanth...	12.704	3.6	ng	118193	4	11.428	647926	20.0
Benzene, 1,1'-(...	12.733	3.7	ng	118568	4	11.428	647926	20.0
Pyrene, 1-methyl-	13.092	3.7	ng	693878	5	14.075	3780790	20.0
Fluoranthene, 2...	13.198	5.5	ng	1032510	5	14.075	3780790	20.0
Pyrene, 4-methyl-	13.304	3.1	ng	595676	5	14.075	3780790	20.0
Benzo[e]pyrene	15.245	14.3	ng	444418	6	15.574	621877	20.0
Perylene	15.445	42.4	ng	1319040	6	15.574	621877	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060225\
Data File : BF142598.D
Acq On : 02 Jun 2025 15:34
Operator : RC/JU
Sample : Q2150-01DL 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 02 16:03:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
TP-44DL

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 06/03/2025
Supervised By :Jagrut Upadhyay 06/03/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	127289	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	470532	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	232054	20.000	ng	0.00
64) Phenanthrene-d10	11.427	188	325882	20.000	ng	0.00
76) Chrysene-d12	14.068	240	250994	20.000	ng	# 0.00
86) Perylene-d12	15.568	264	278926	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	117955	15.612	ng	-0.01
7) Phenol-d6	6.516	99	142903	15.713	ng	-0.02
23) Nitrobenzene-d5	7.451	82	83225	9.645	ng	-0.02
42) 2,4,6-Tribromophenol	10.727	330	32201	12.503	ng	-0.01
45) 2-Fluorobiphenyl	9.251	172	184171	10.650	ng	-0.02
79) Terphenyl-d14	13.010	244	124670	6.788	ng	0.00
Target Compounds						Qvalue
58) Fluorene	10.486	166	35042	2.298	ng	98
71) Phenanthrene	11.451	178	208888	11.994	ng	100
72) Anthracene	11.504	178	91928	5.172	ng	100
75) Fluoranthene	12.639	202	373090	22.927	ng	98
78) Pyrene	12.869	202	347198	14.829	ng	98
81) Benzo(a)anthracene	14.057	228	215675	12.868	ng	94
83) Chrysene	14.092	228	187480	12.449	ng	98
87) Indeno(1,2,3-cd)pyrene	17.074	276	104960	5.012	ng	97
88) Benzo(b)fluoranthene	15.127	252	305919m	18.531	ng	
89) Benzo(k)fluoranthene	15.145	252	85656m	5.540	ng	
90) Benzo(a)pyrene	15.504	252	206792	13.289	ng	97
92) Benzo(g,h,i)perylene	17.533	276	92128	5.423	ng	99

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

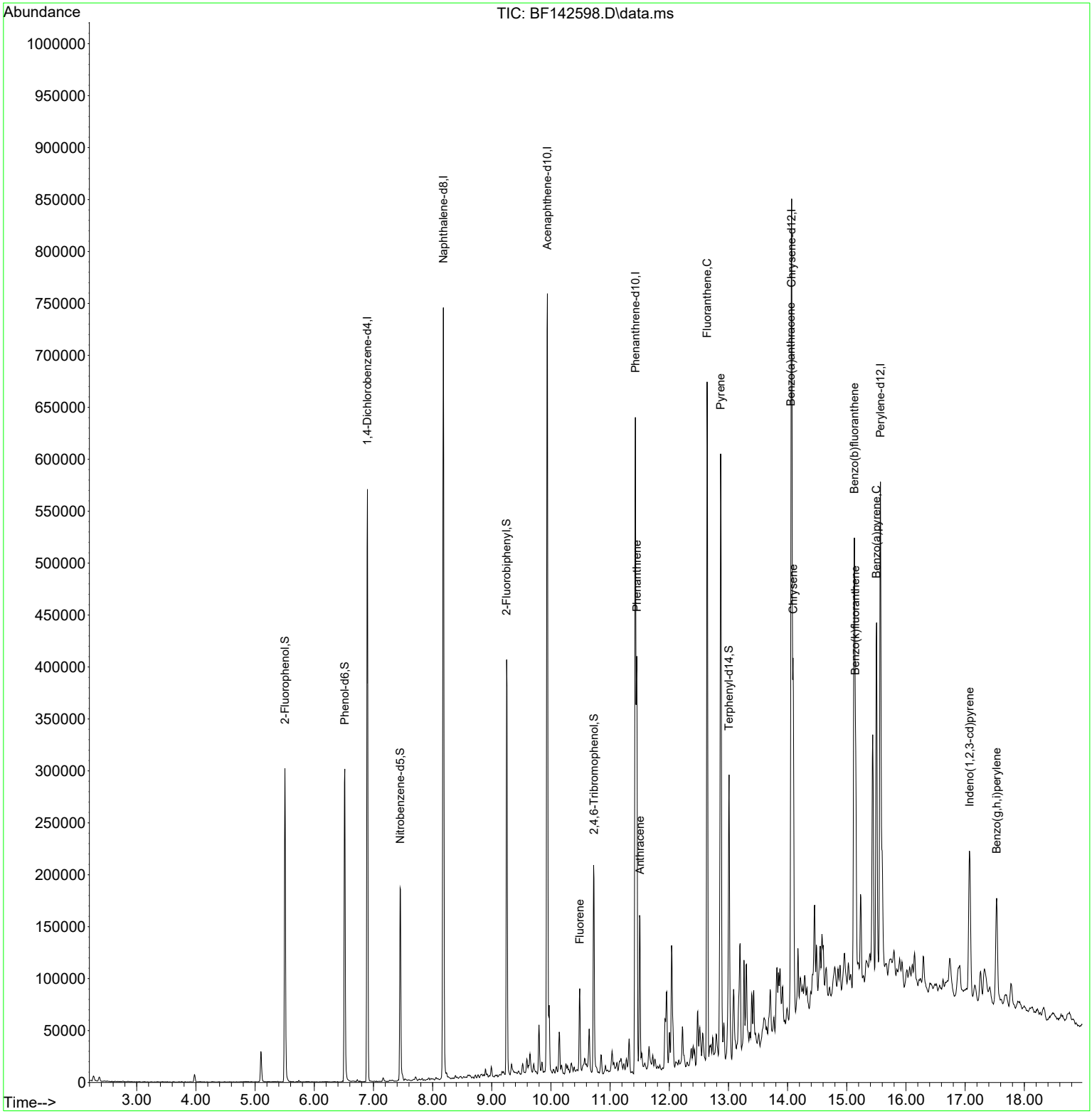
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060225\
Data File : BF142598.D
Acq On : 02 Jun 2025 15:34
Operator : RC/JU
Sample : Q2150-01DL 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

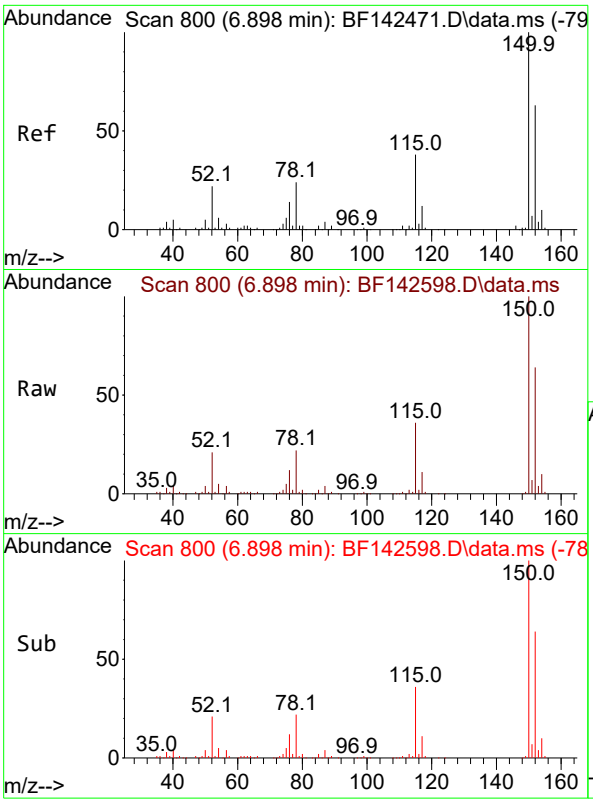
Quant Time: Jun 02 16:03:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
TP-44DL

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 06/03/2025
Supervised By :Jagrut Upadhyay 06/03/2025

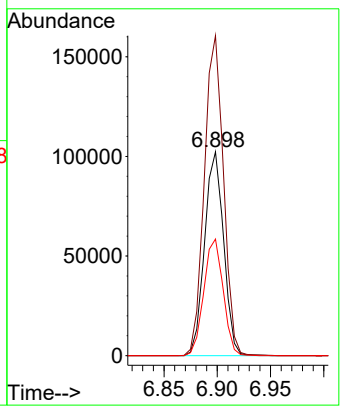




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142598.D
Acq: 02 Jun 2025 15:34

Tgt Ion:152 Resp: 12728

Ion	Ratio	Lower	Upper
152	100		
150	156.9	128.2	192.4
115	57.2	48.3	72.5



Instrument :
BNA_F
ClientSampleId :
TP-44DL

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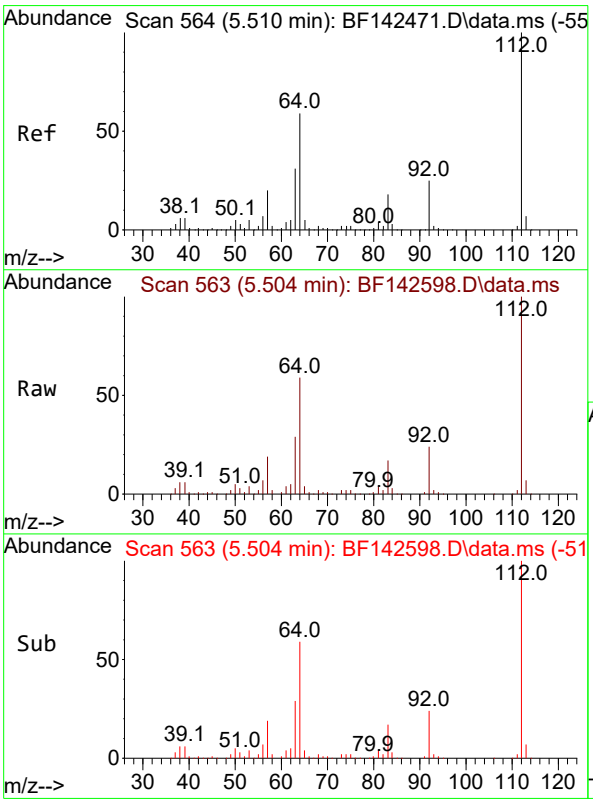
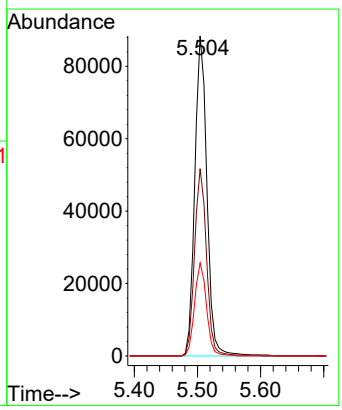
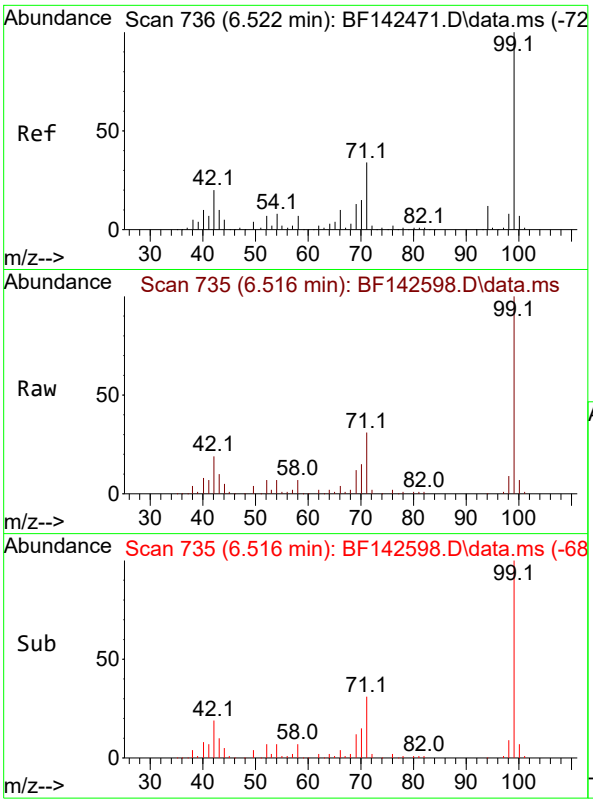


#5
2-Fluorophenol
Concen: 15.612 ng
RT: 5.504 min Scan# 563
Delta R.T. -0.012 min
Lab File: BF142598.D
Acq: 02 Jun 2025 15:34

Tgt Ion:112 Resp: 117955

Ion	Ratio	Lower	Upper
112	100		
64	58.5	47.5	71.3
63	29.1	24.9	37.3

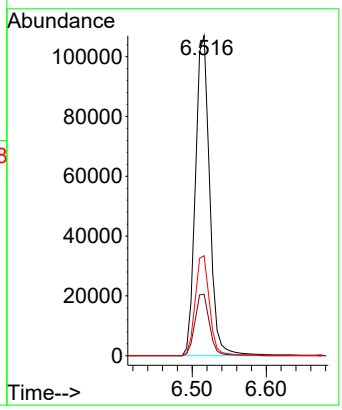




#7
Phenol-d6
Concen: 15.713 ng
RT: 6.516 min Scan# 7
Delta R.T. -0.018 min
Lab File: BF142598.D
Acq: 02 Jun 2025 15:34

Tgt Ion: 99 Resp: 14290

Ion	Ratio	Lower	Upper
99	100		
42	19.2	16.2	24.2
71	31.2	27.3	40.9



Instrument :
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ClientSampleId :
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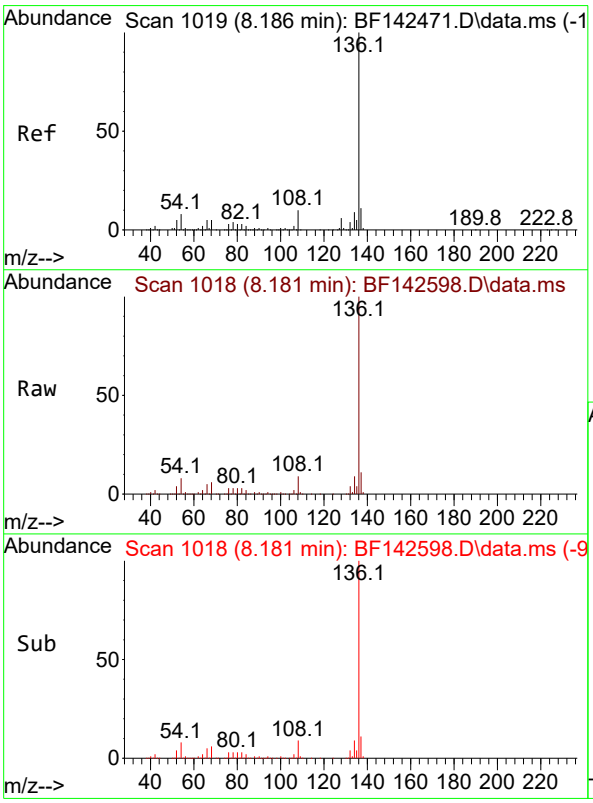
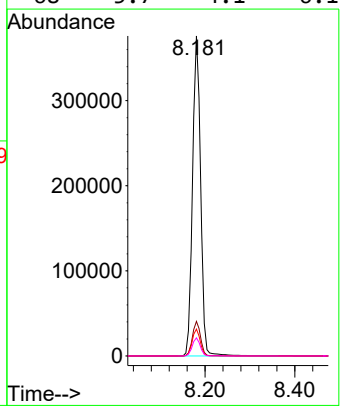
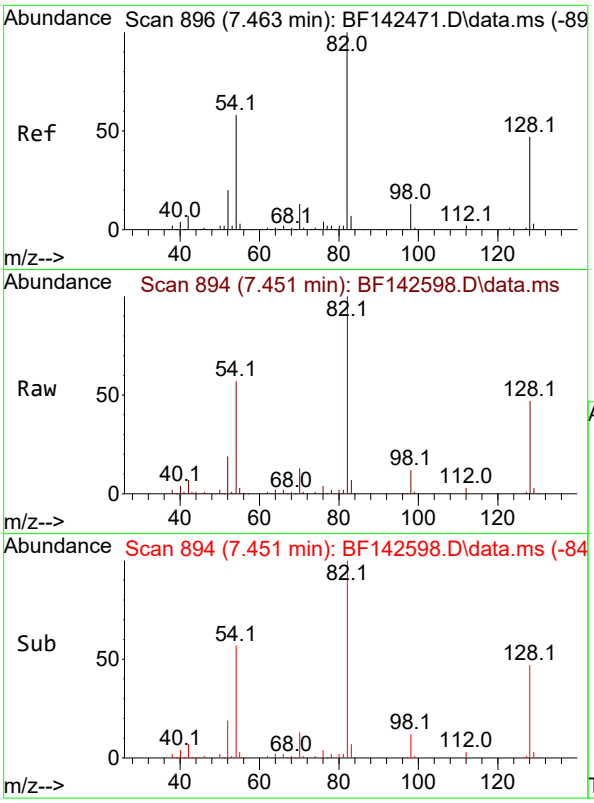


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF142598.D
Acq: 02 Jun 2025 15:34

Tgt Ion:136 Resp: 470532

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	8.4	6.6	10.0
68	5.7	4.1	6.1

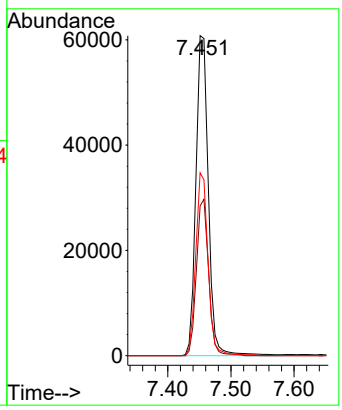




#23
Nitrobenzene-d5
Concen: 9.645 ng
RT: 7.451 min Scan# 8
Delta R.T. -0.023 min
Lab File: BF142598.D
Acq: 02 Jun 2025 15:34

Tgt Ion: 82 Resp: 8322

Ion	Ratio	Lower	Upper
82	100		
128	46.8	37.4	56.2
54	57.2	46.6	70.0



Instrument :
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ClientSampleId :
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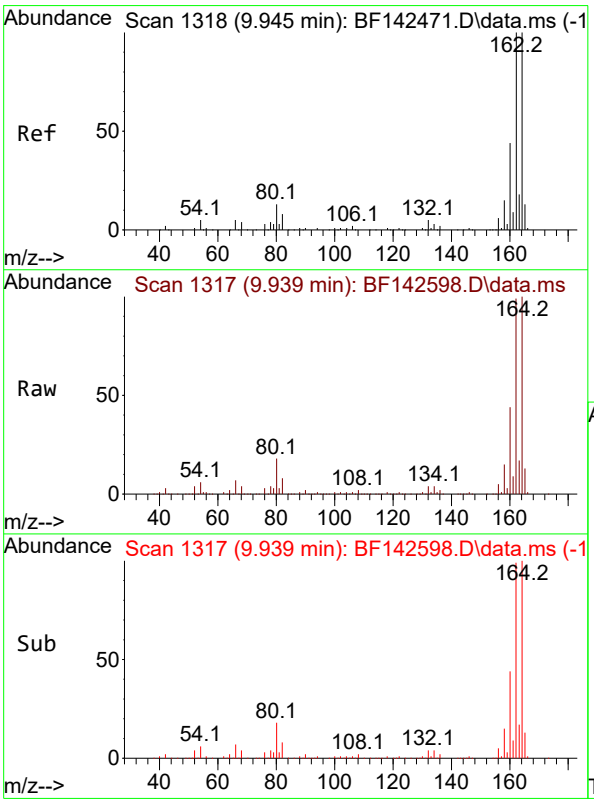
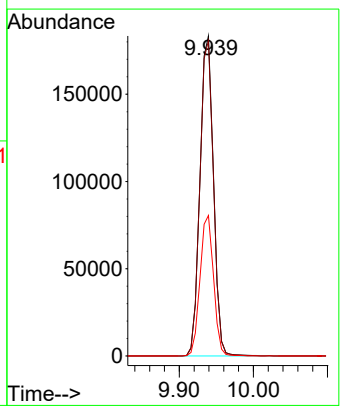
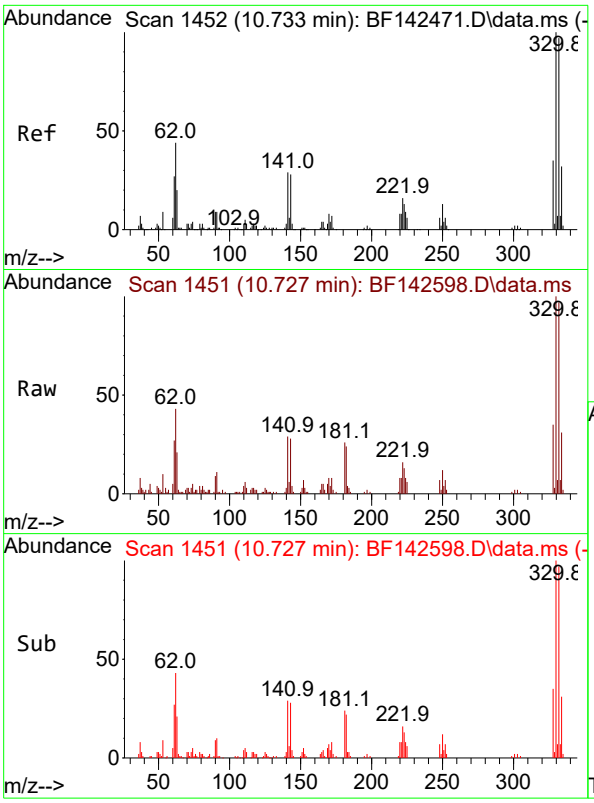


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 1317
Delta R.T. -0.006 min
Lab File: BF142598.D
Acq: 02 Jun 2025 15:34

Tgt Ion:164 Resp: 232054

Ion	Ratio	Lower	Upper
164	100		
162	98.5	80.2	120.4
160	43.9	35.6	53.4

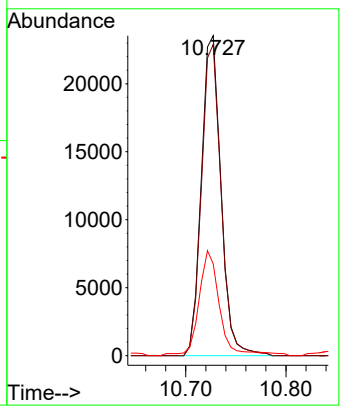




#42
2,4,6-Tribromophenol
Concen: 12.503 ng
RT: 10.727 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF142598.D
Acq: 02 Jun 2025 15:34

Tgt Ion:330 Resp: 3220

Ion	Ratio	Lower	Upper
330	100		
332	96.5	77.6	116.4
141	34.6	24.6	36.8



Instrument :
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ClientSampleId :
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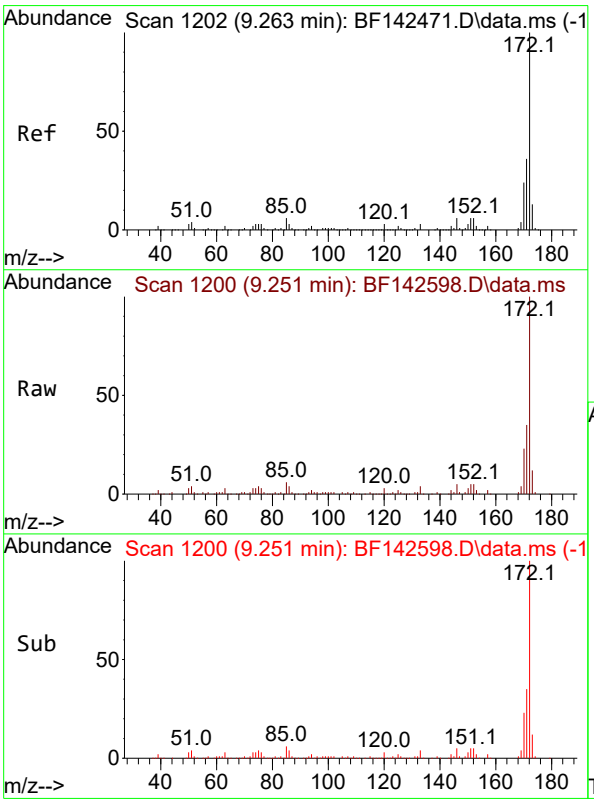
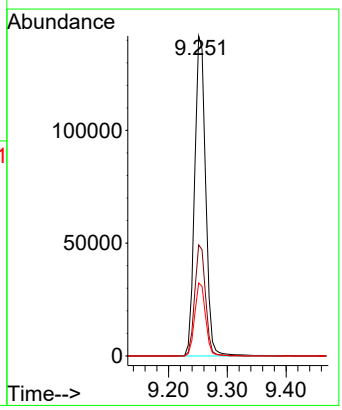
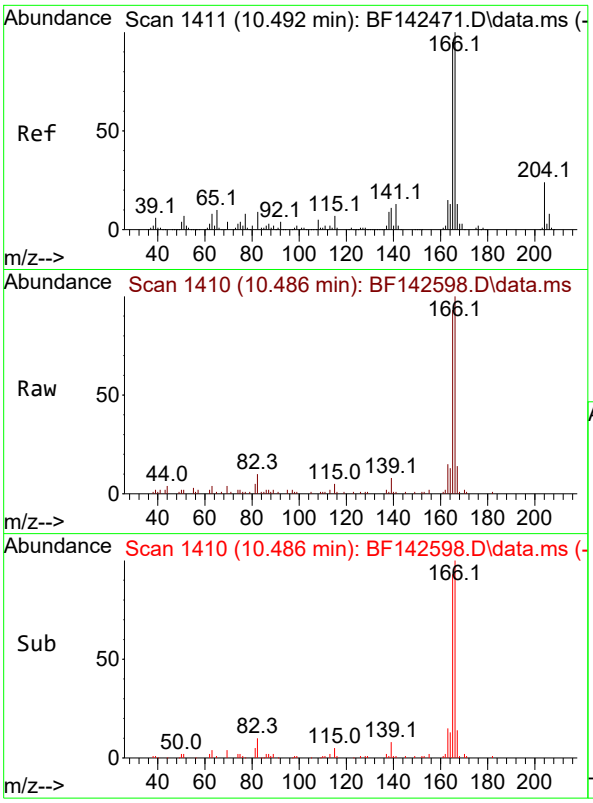


#45
2-Fluorobiphenyl
Concen: 10.650 ng
RT: 9.251 min Scan# 1200
Delta R.T. -0.018 min
Lab File: BF142598.D
Acq: 02 Jun 2025 15:34

Tgt Ion:172 Resp: 184171

Ion	Ratio	Lower	Upper
172	100		
171	34.7	28.6	42.8
170	22.8	18.9	28.3

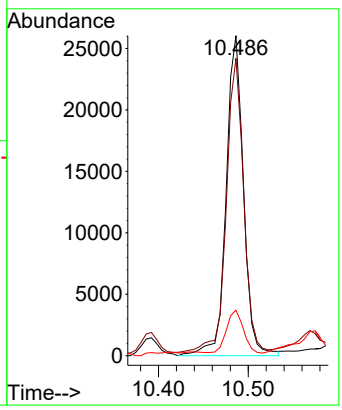




#58
Fluorene
Concen: 2.298 ng
RT: 10.486 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF142598.D
Acq: 02 Jun 2025 15:34

Tgt Ion:166 Resp: 3504

Ion	Ratio	Lower	Upper
166	100		
165	93.0	75.8	113.8
167	14.2	10.6	16.0



Instrument :
BNA_F
ClientSampleId :
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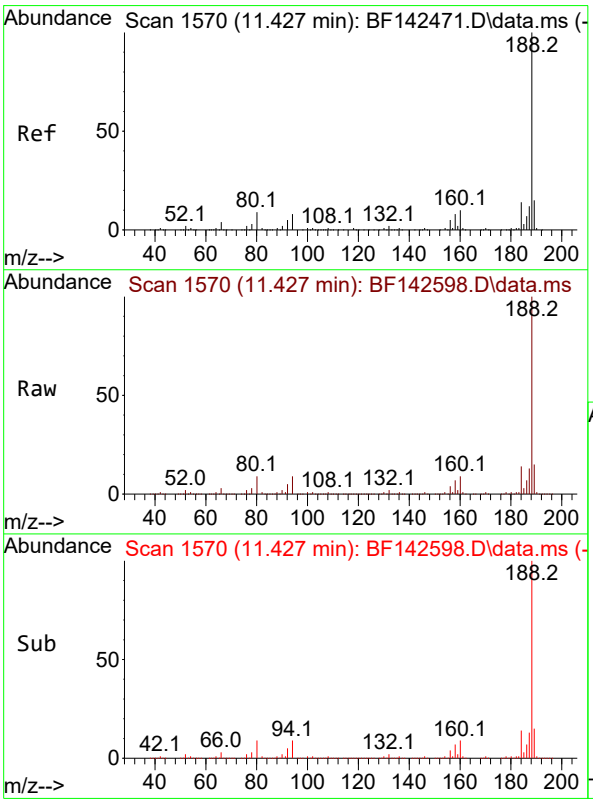
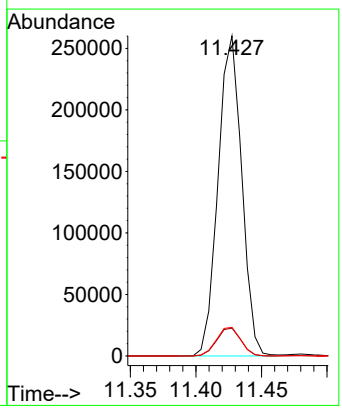
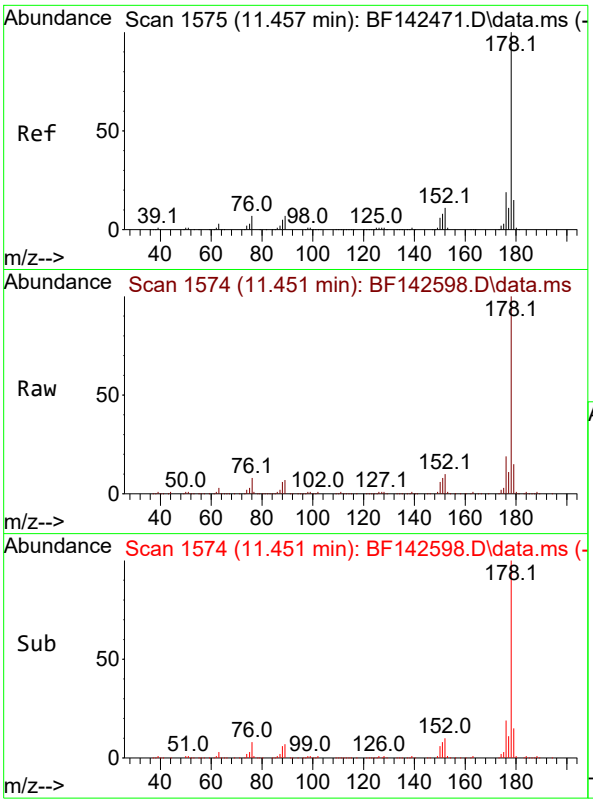


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.427 min Scan# 1570
Delta R.T. -0.006 min
Lab File: BF142598.D
Acq: 02 Jun 2025 15:34

Tgt Ion:188 Resp: 325882

Ion	Ratio	Lower	Upper
188	100		
94	8.7	6.6	10.0
80	8.9	7.4	11.0

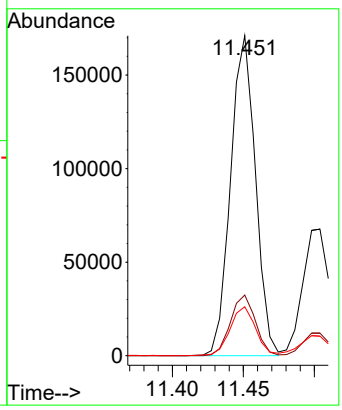




#71
Phenanthrene
Concen: 11.994 ng
RT: 11.451 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142598.D
Acq: 02 Jun 2025 15:34

Tgt Ion:178 Resp: 20888

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.4	23.0
179	15.3	12.3	18.5



Instrument :
BNA_F
ClientSampleId :
TP-44DL

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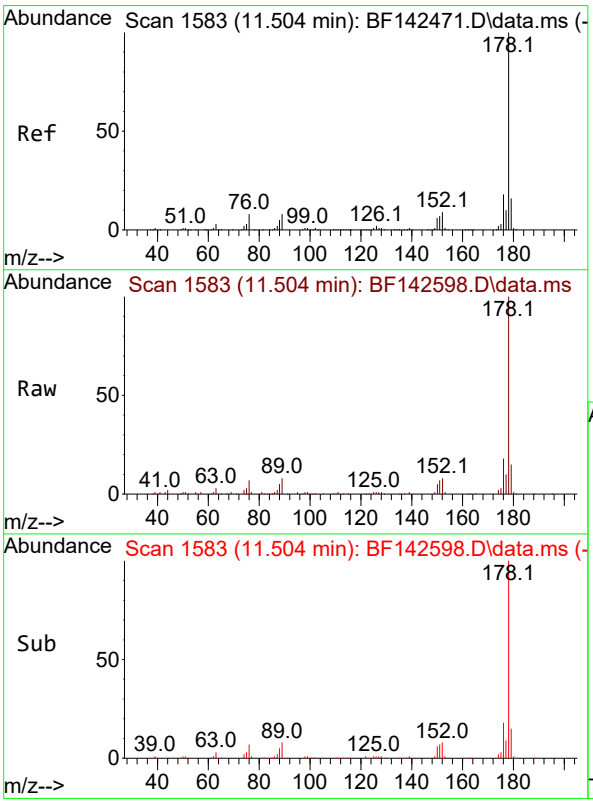
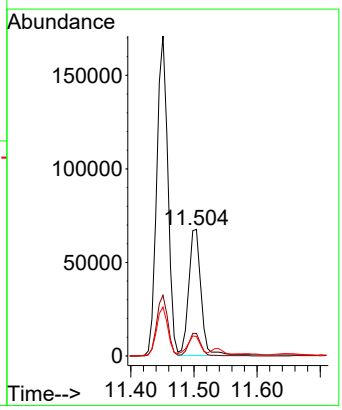
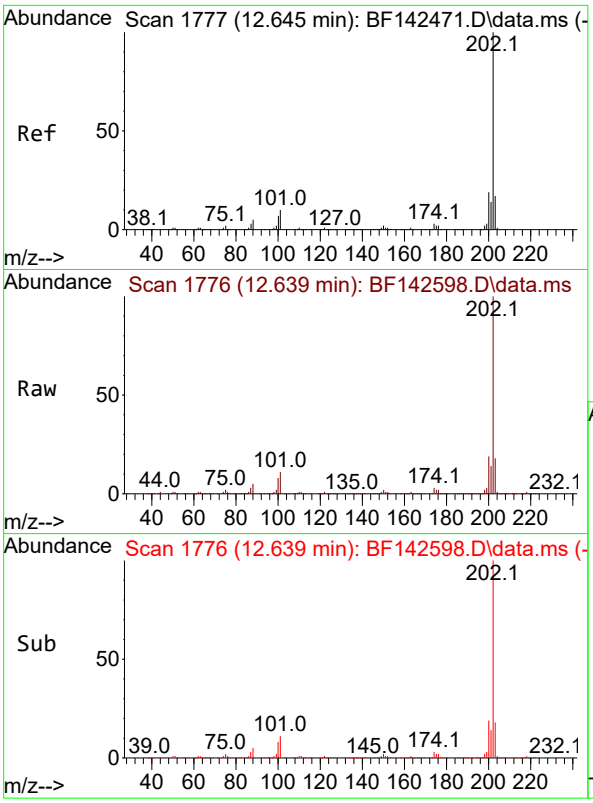


#72
Anthracene
Concen: 5.172 ng
RT: 11.504 min Scan# 1583
Delta R.T. -0.006 min
Lab File: BF142598.D
Acq: 02 Jun 2025 15:34

Tgt Ion:178 Resp: 91928

Ion	Ratio	Lower	Upper
178	100		
176	17.9	14.6	21.8
179	15.4	12.4	18.6

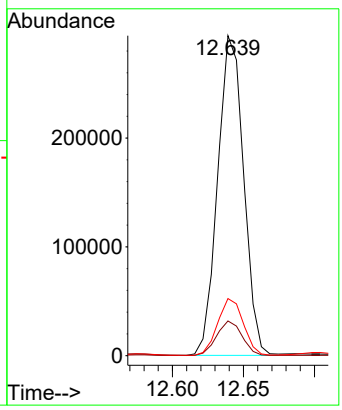




#75
Fluoranthene
Concen: 22.927 ng
RT: 12.639 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142598.D
Acq: 02 Jun 2025 15:34

Tgt Ion:202 Resp: 373090

Ion	Ratio	Lower	Upper
202	100		
101	10.9	0.0	29.6
203	17.8	0.0	37.2



Instrument :
BNA_F
ClientSampleId :
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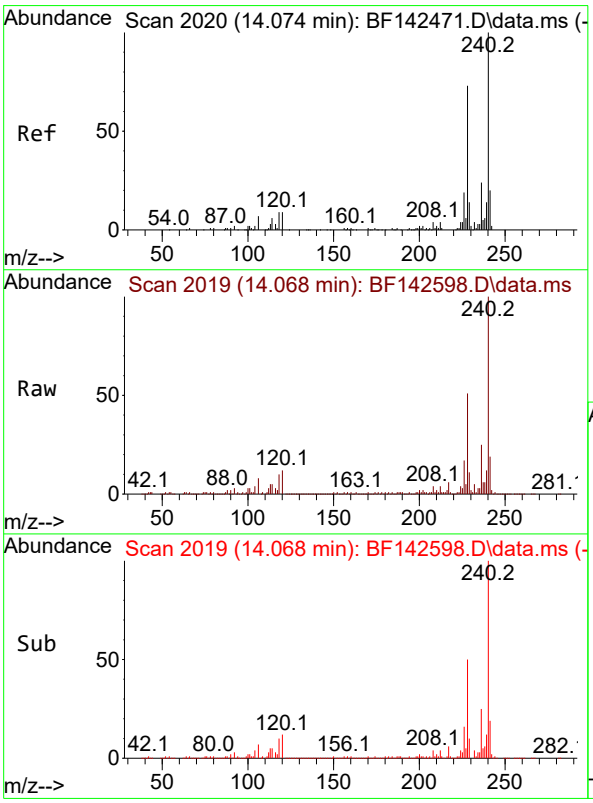
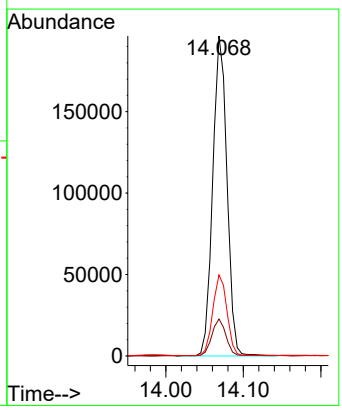
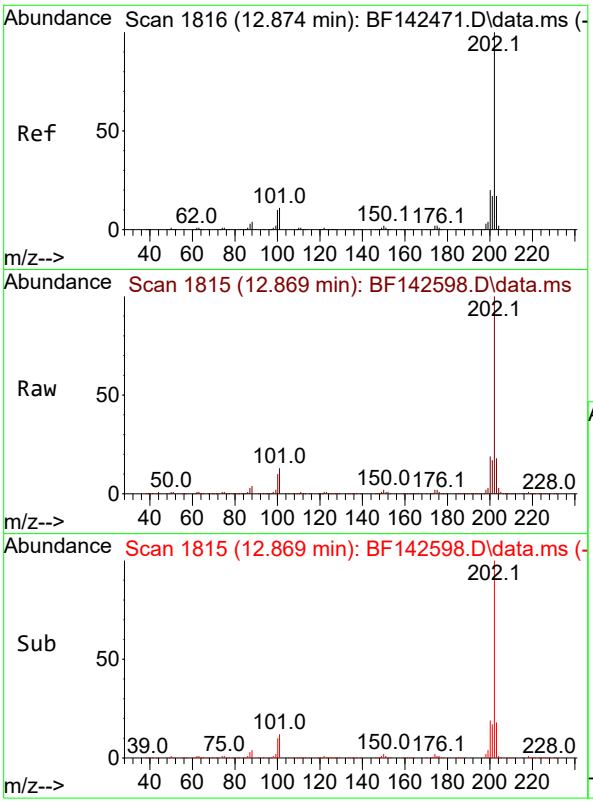


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.068 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF142598.D
Acq: 02 Jun 2025 15:34

Tgt Ion:240 Resp: 250994

Ion	Ratio	Lower	Upper
240	100		
120	11.6	7.5	11.3#
236	25.4	19.6	29.4

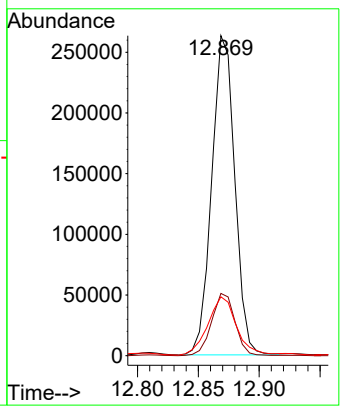




#78
Pyrene
Concen: 14.829 ng
RT: 12.869 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142598.D
Acq: 02 Jun 2025 15:34

Tgt Ion:202 Resp: 34719

Ion	Ratio	Lower	Upper
202	100		
200	19.5	16.1	24.1
203	18.4	13.9	20.9



Instrument :
BNA_F
ClientSampleId :
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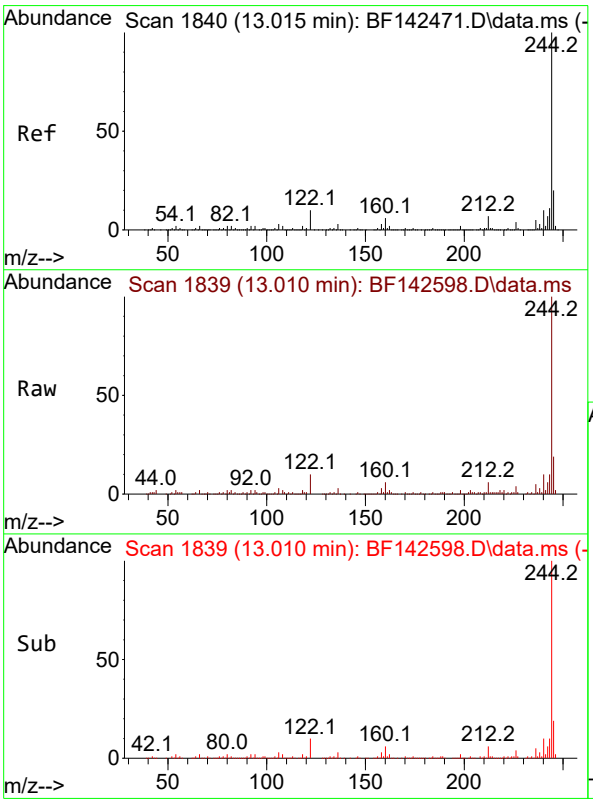
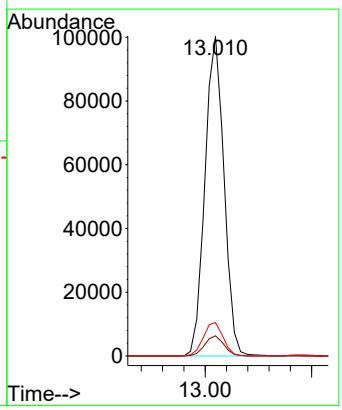
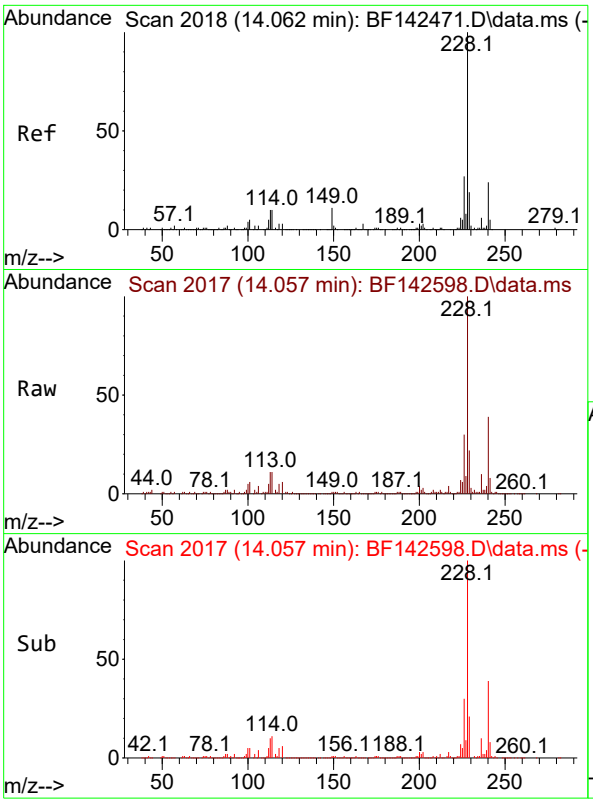


#79
Terphenyl-d14
Concen: 6.788 ng
RT: 13.010 min Scan# 1839
Delta R.T. -0.006 min
Lab File: BF142598.D
Acq: 02 Jun 2025 15:34

Tgt Ion:244 Resp: 124670

Ion	Ratio	Lower	Upper
244	100		
212	6.3	5.3	7.9
122	10.4	8.2	12.2

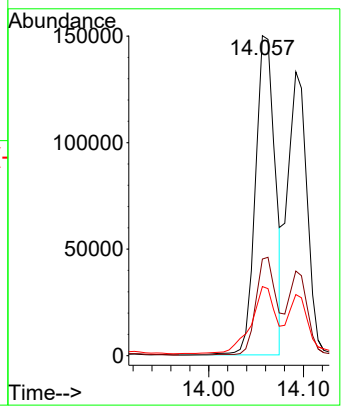




#81
Benzo(a)anthracene
Concen: 12.868 ng
RT: 14.057 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142598.D
Acq: 02 Jun 2025 15:34

Tgt Ion:228 Resp: 21567

Ion	Ratio	Lower	Upper
228	100		
226	30.2	21.2	31.8
229	21.6	15.5	23.3



Instrument :
BNA_F
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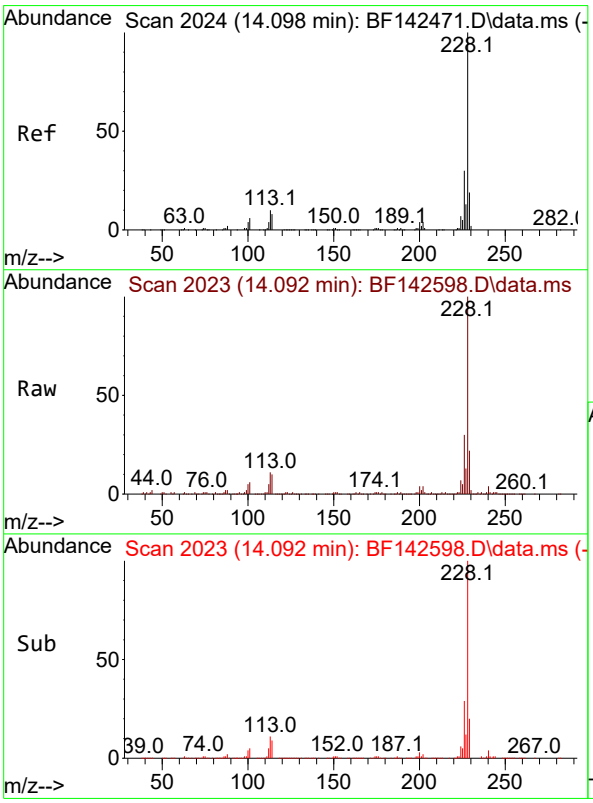
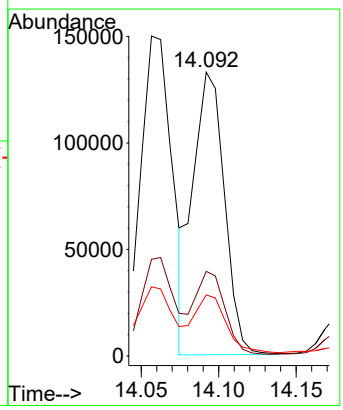
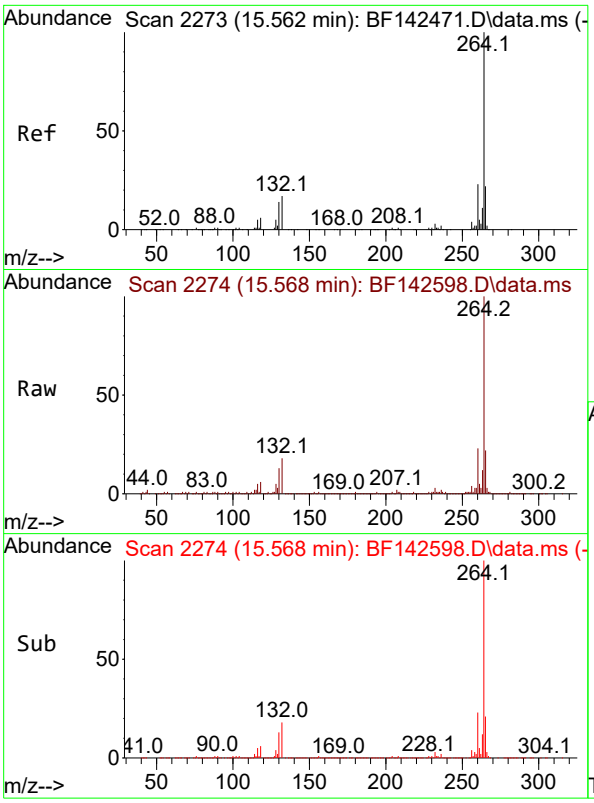


#83
Chrysene
Concen: 12.449 ng
RT: 14.092 min Scan# 2023
Delta R.T. -0.012 min
Lab File: BF142598.D
Acq: 02 Jun 2025 15:34

Tgt Ion:228 Resp: 187480

Ion	Ratio	Lower	Upper
228	100		
226	29.8	23.8	35.6
229	21.6	15.4	23.2

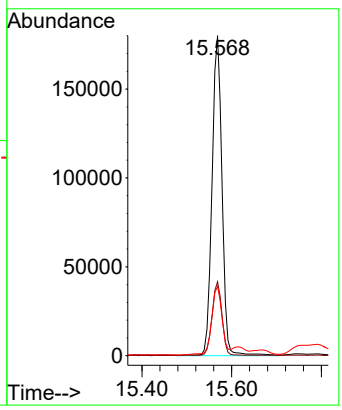




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.568 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF142598.D
Acq: 02 Jun 2025 15:34

Tgt Ion:264 Resp: 27892

Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.6	28.0
265	21.7	17.7	26.5



Instrument :
BNA_F
ClientSampleId :
TP-44DL

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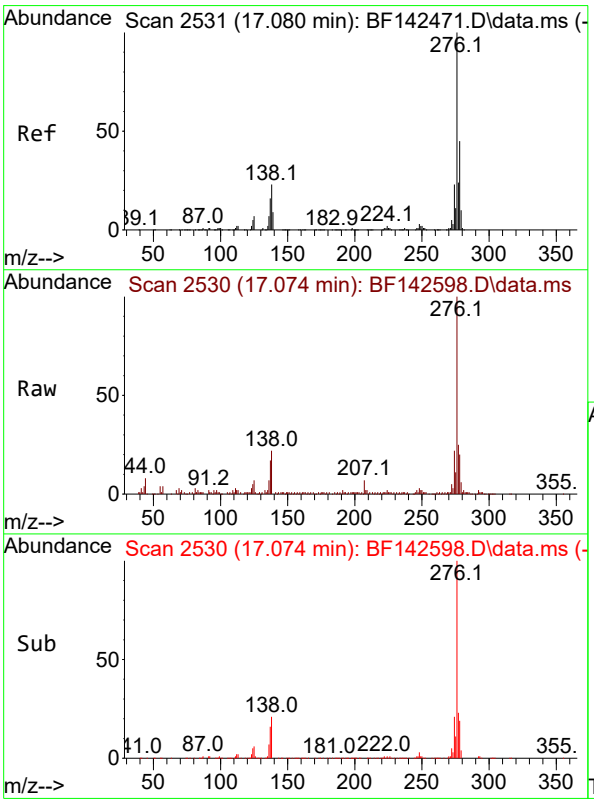
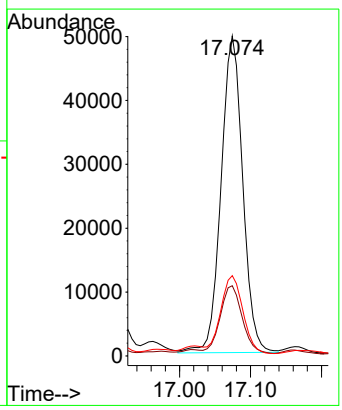
Reviewed By :Rahul Chavli 06/03/2025
Supervised By :Jagrut Upadhyay 06/03/2025

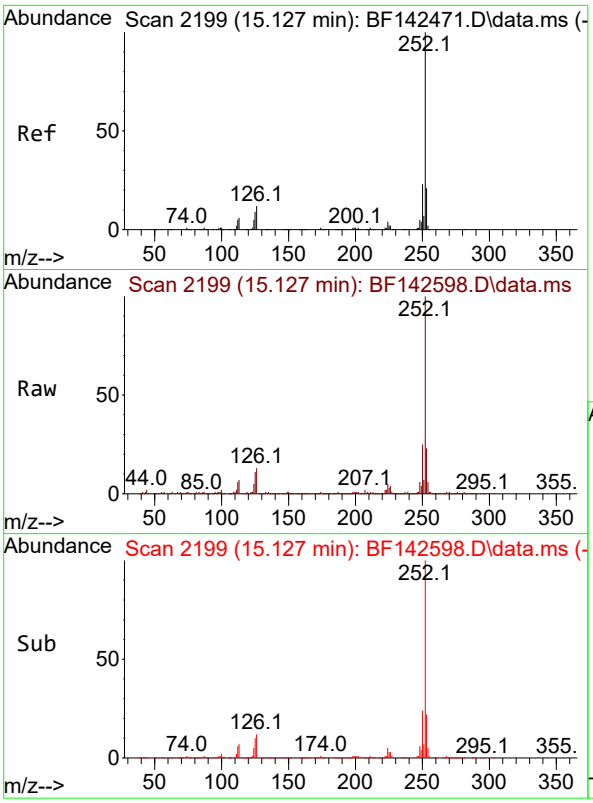


#87
Indeno(1,2,3-cd)pyrene
Concen: 5.012 ng
RT: 17.074 min Scan# 2530
Delta R.T. -0.018 min
Lab File: BF142598.D
Acq: 02 Jun 2025 15:34

Tgt Ion:276 Resp: 104960

Ion	Ratio	Lower	Upper
276	100		
138	21.5	19.9	29.9
277	25.2	20.2	30.2

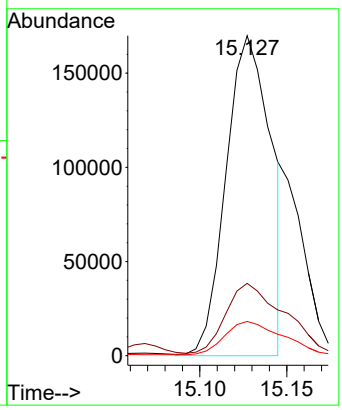




#88
Benzo(b)fluoranthene
Concen: 18.531 ng m
RT: 15.127 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF142598.D
Acq: 02 Jun 2025 15:34

Tgt Ion:252 Resp: 30591

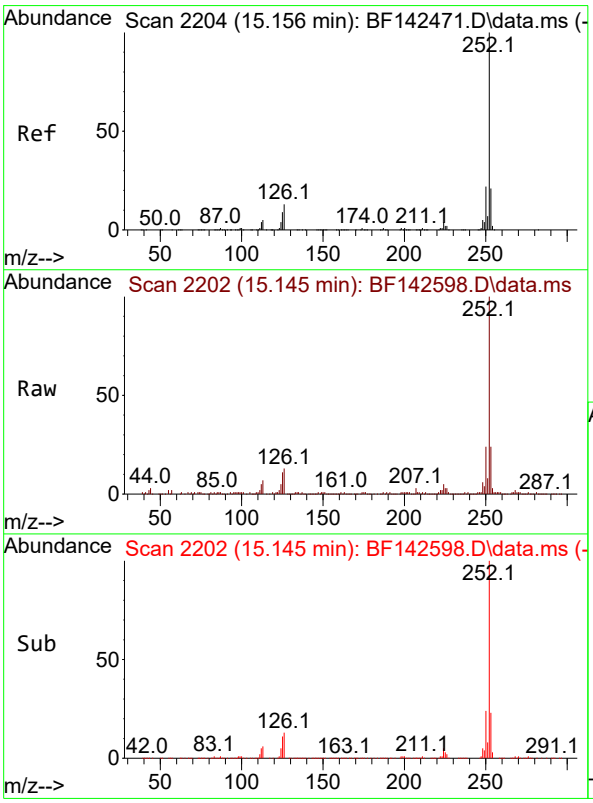
Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.0	25.4
125	10.7	7.4	11.0



Instrument :
BNA_F
ClientSampleId :
TP-44DL

Manual Integrations
APPROVED

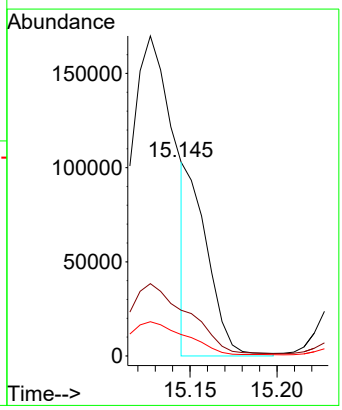
Reviewed By :Rahul Chavli 06/03/2025
Supervised By :Jagrut Upadhyay 06/03/2025

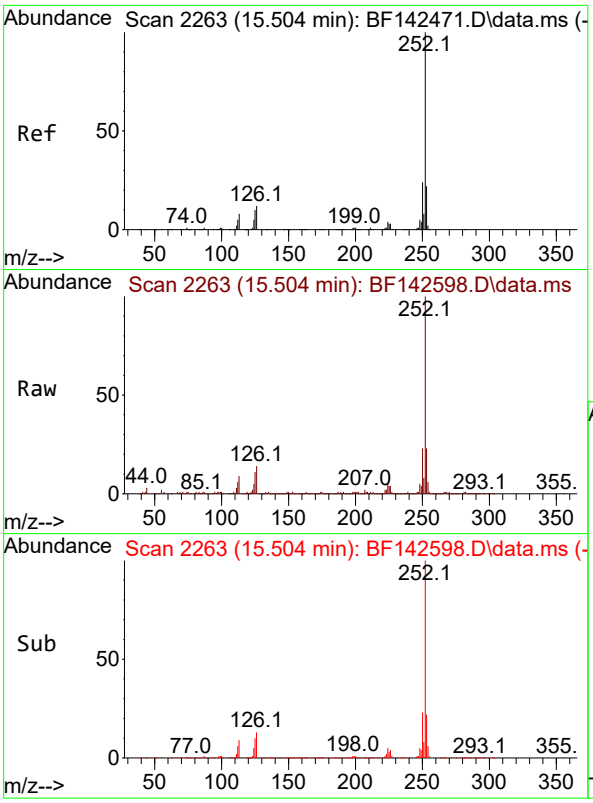


#89
Benzo(k)fluoranthene
Concen: 5.540 ng m
RT: 15.145 min Scan# 2202
Delta R.T. -0.018 min
Lab File: BF142598.D
Acq: 02 Jun 2025 15:34

Tgt Ion:252 Resp: 85656

Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.0	25.4
125	11.1	7.3	10.9#

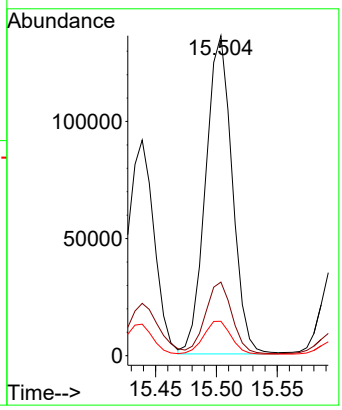




#90
Benzo(a)pyrene
Concen: 13.289 ng
RT: 15.504 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142598.D
Acq: 02 Jun 2025 15:34

Tgt Ion:252 Resp: 20679

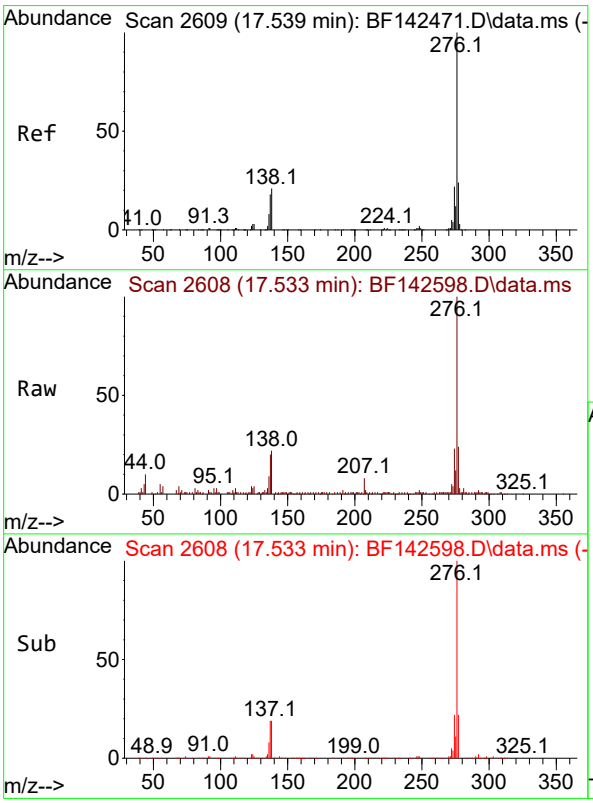
Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.4	26.0
125	10.8	7.9	11.9



Instrument :
BNA_F
ClientSampleId :
TP-44DL

Manual Integrations
APPROVED

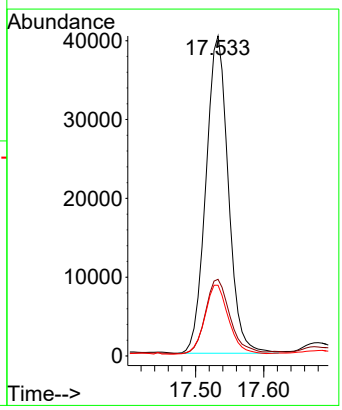
Reviewed By :Rahul Chavli 06/03/2025
Supervised By :Jagrut Upadhyay 06/03/2025



#92
Benzo(g,h,i)perylene
Concen: 5.423 ng
RT: 17.533 min Scan# 2608
Delta R.T. -0.023 min
Lab File: BF142598.D
Acq: 02 Jun 2025 15:34

Tgt Ion:276 Resp: 92128

Ion	Ratio	Lower	Upper
276	100		
277	23.9	19.2	28.8
138	22.1	16.8	25.2



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053025\
Data File : BF142583.D
Acq On : 30 May 2025 21:42
Operator : RC/JU
Sample : Q2150-02
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-42

Quant Time: May 30 22:29:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration

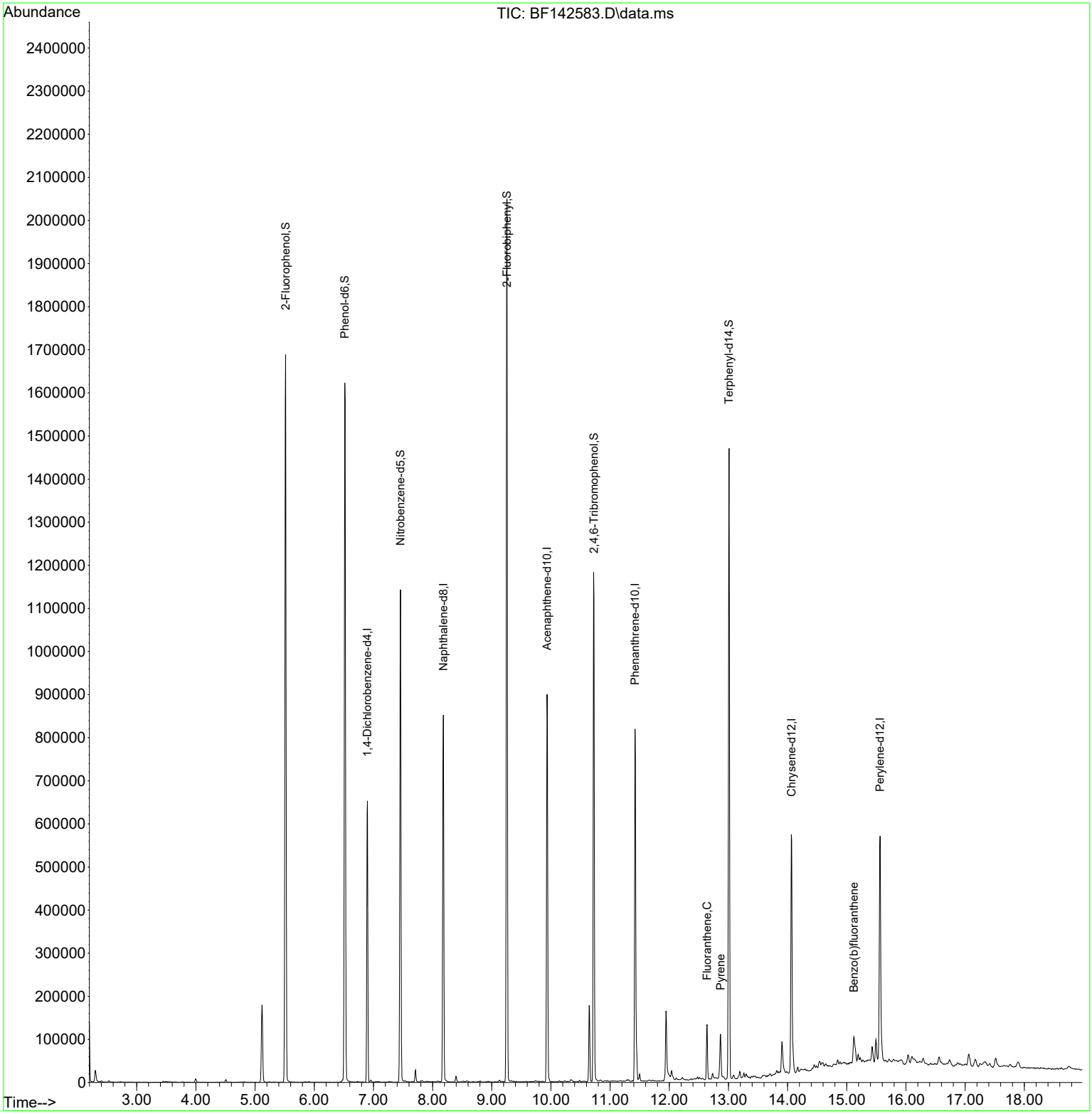
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	143411	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	545898	20.000	ng	0.00
39) Acenaphthene-d10	9.933	164	276939	20.000	ng	-0.01
64) Phenanthrene-d10	11.421	188	434462	20.000	ng	-0.01
76) Chrysene-d12	14.068	240	256745	20.000	ng	0.00
86) Perylene-d12	15.562	264	308145	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	665218	78.148	ng	0.00
7) Phenol-d6	6.516	99	808288	78.882	ng	-0.02
23) Nitrobenzene-d5	7.457	82	489226	48.868	ng	-0.02
42) 2,4,6-Tribromophenol	10.727	330	213548	69.476	ng	-0.01
45) 2-Fluorobiphenyl	9.257	172	949387	46.001	ng	-0.01
79) Terphenyl-d14	13.010	244	700083	37.262	ng	0.00
Target Compounds						Qvalue
75) Fluoranthene	12.639	202	75247	3.468	ng	100
78) Pyrene	12.868	202	63857	2.666	ng	97
88) Benzo(b)fluoranthene	15.121	252	36811m	2.018	ng	

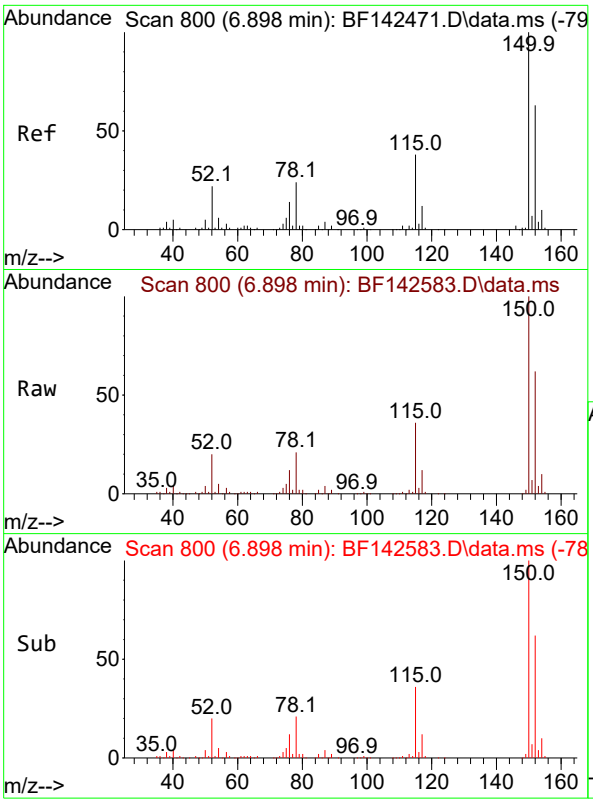
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053025\
Data File : BF142583.D
Acq On : 30 May 2025 21:42
Operator : RC/JU
Sample : Q2150-02
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-42

Quant Time: May 30 22:29:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration



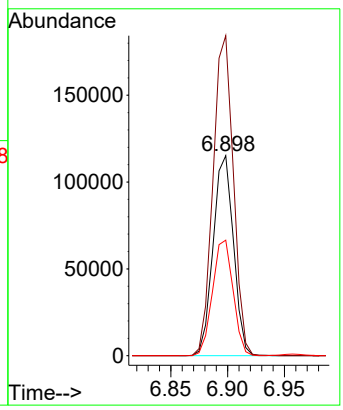


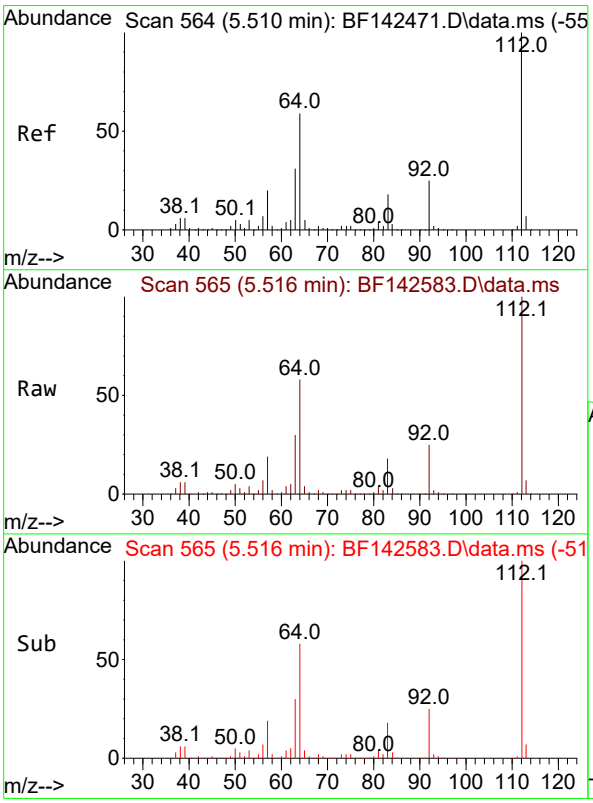
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142583.D
Acq: 30 May 2025 21:42

Instrument :
BNA_F
ClientSampleId :
TP-42

Tgt Ion:152 Resp: 143411

Ion	Ratio	Lower	Upper
152	100		
150	160.0	128.2	192.4
115	57.8	48.3	72.5

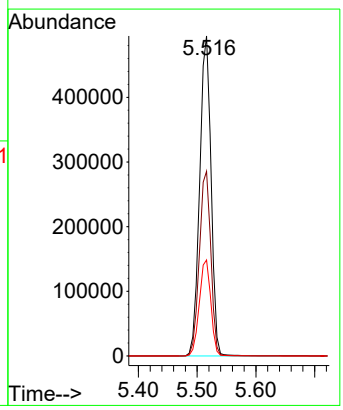


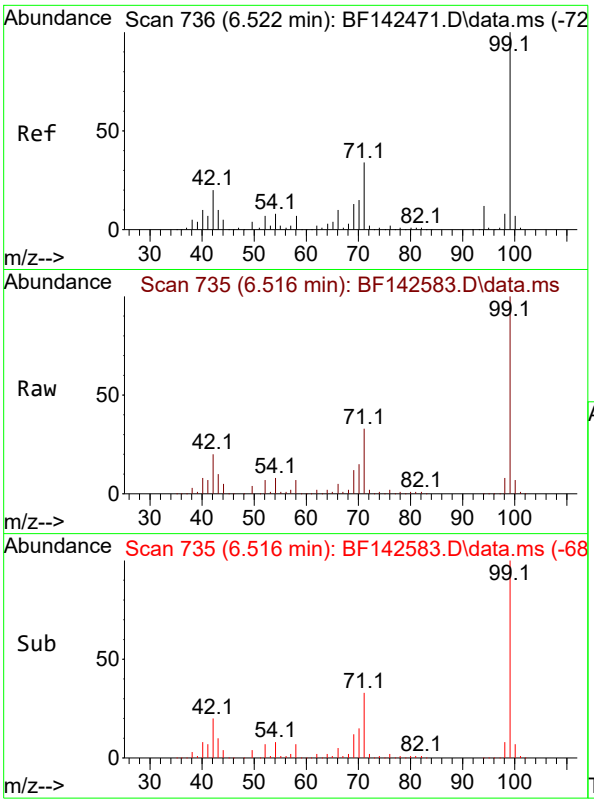


#5
2-Fluorophenol
Concen: 78.148 ng
RT: 5.516 min Scan# 565
Delta R.T. 0.000 min
Lab File: BF142583.D
Acq: 30 May 2025 21:42

Tgt Ion:112 Resp: 665218

Ion	Ratio	Lower	Upper
112	100		
64	57.7	47.5	71.3
63	30.0	24.9	37.3



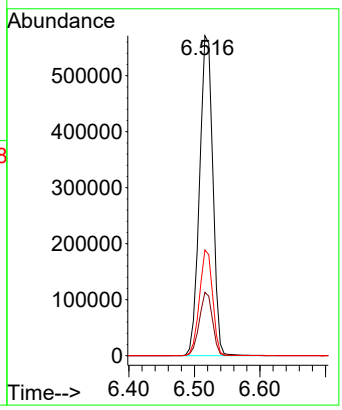


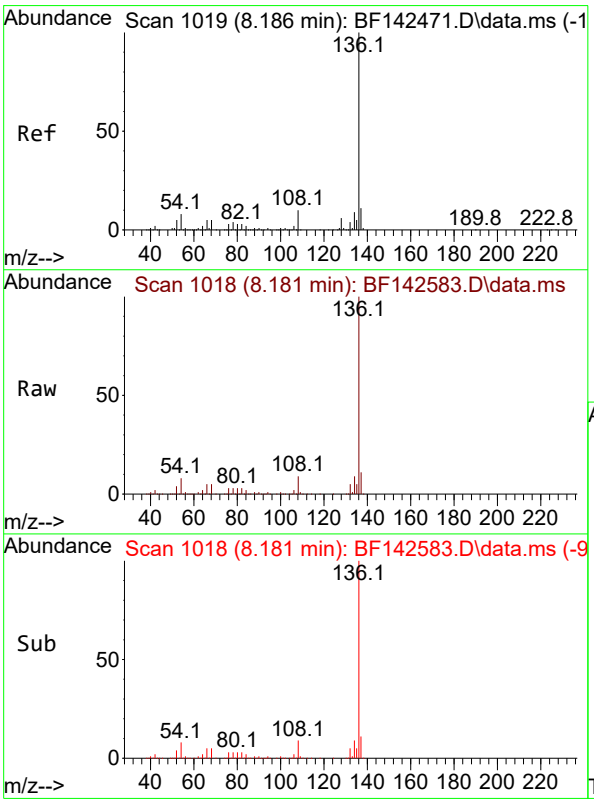
#7
Phenol-d6
Concen: 78.882 ng
RT: 6.516 min Scan# 7
Delta R.T. -0.018 min
Lab File: BF142583.D
Acq: 30 May 2025 21:42

Instrument :
BNA_F
ClientSampleId :
TP-42

Tgt Ion: 99 Resp: 808288

Ion	Ratio	Lower	Upper
99	100		
42	19.8	16.2	24.2
71	33.0	27.3	40.9

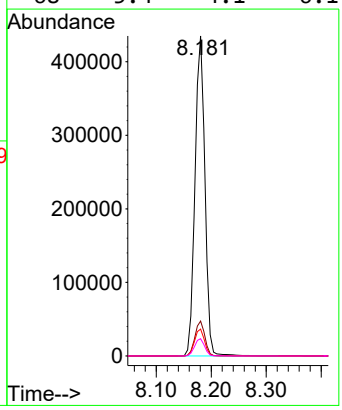


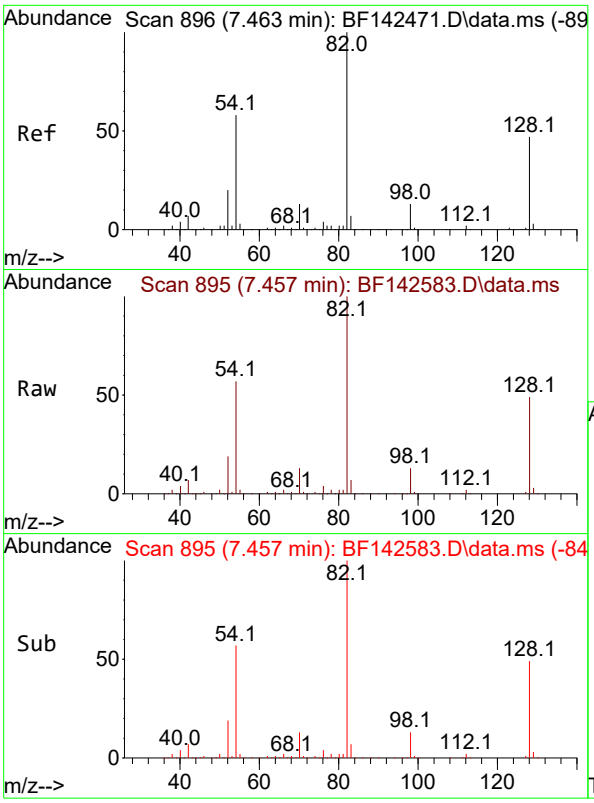


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF142583.D
Acq: 30 May 2025 21:42

Tgt Ion:136 Resp: 545898

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	8.4	6.6	10.0
68	5.4	4.1	6.1



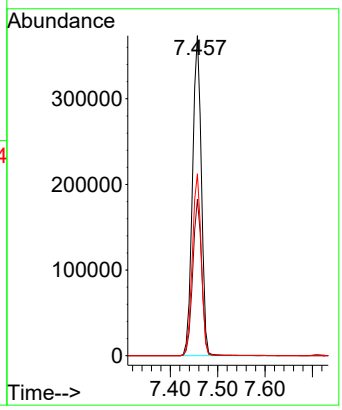


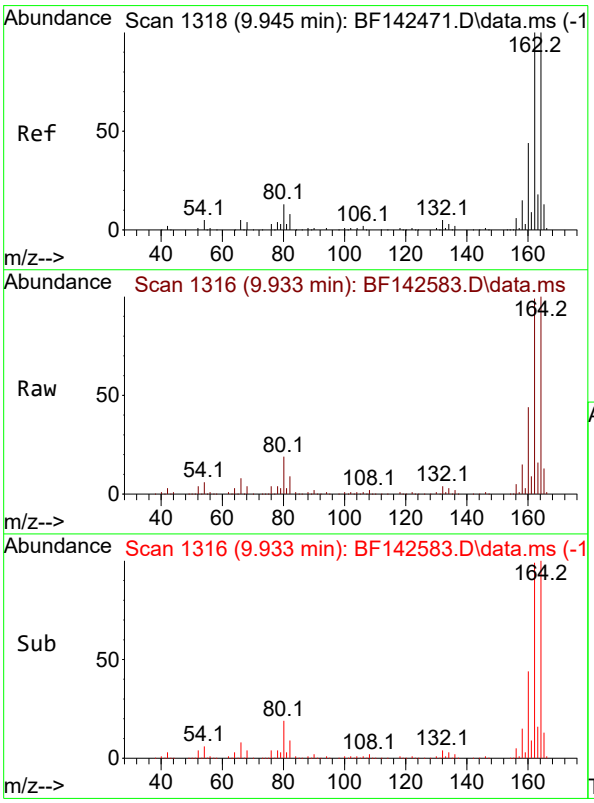
#23
Nitrobenzene-d5
Concen: 48.868 ng
RT: 7.457 min Scan# 8
Delta R.T. -0.018 min
Lab File: BF142583.D
Acq: 30 May 2025 21:42

Instrument :
BNA_F
ClientSampleId :
TP-42

Tgt Ion: 82 Resp: 489226

Ion	Ratio	Lower	Upper
82	100		
128	48.9	37.4	56.2
54	56.9	46.6	70.0

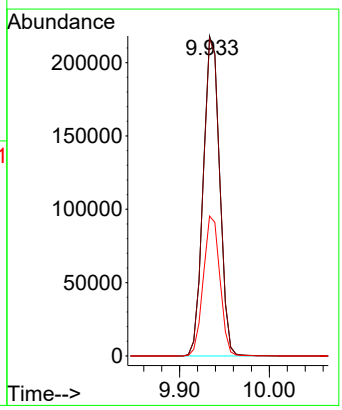


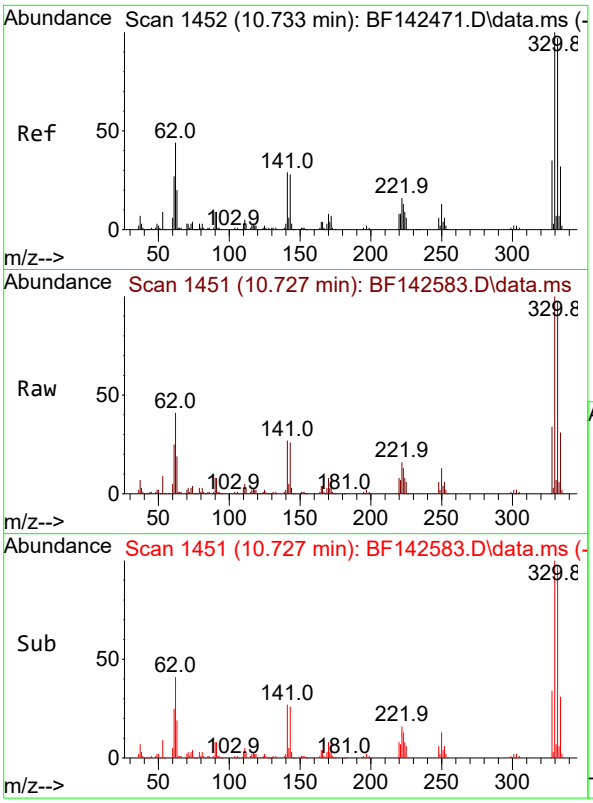


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.933 min Scan# 1316
Delta R.T. -0.012 min
Lab File: BF142583.D
Acq: 30 May 2025 21:42

Tgt Ion:164 Resp: 276939

Ion	Ratio	Lower	Upper
164	100		
162	99.2	80.2	120.4
160	43.7	35.6	53.4



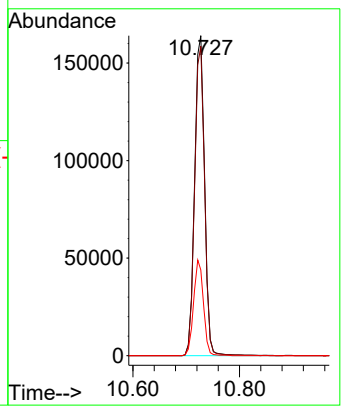


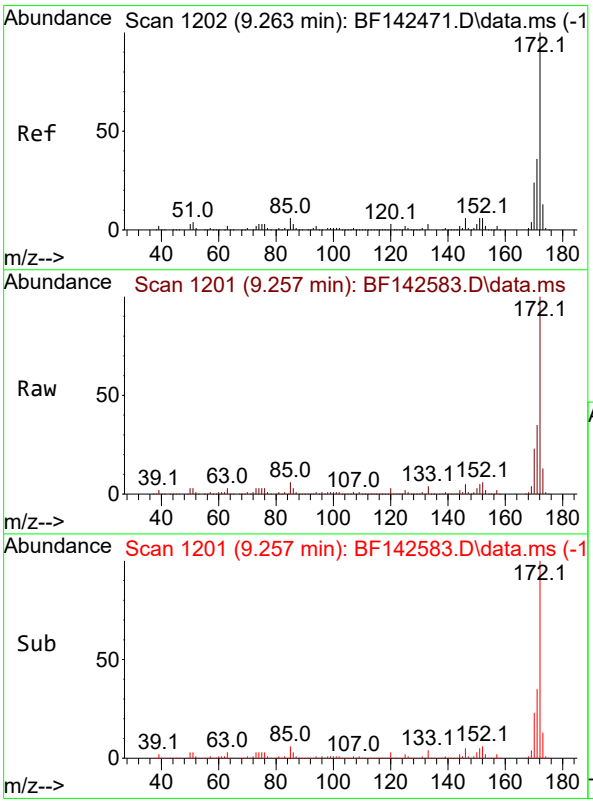
#42
2,4,6-Tribromophenol
Concen: 69.476 ng
RT: 10.727 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF142583.D
Acq: 30 May 2025 21:42

Instrument :
BNA_F
ClientSampleId :
TP-42

Tgt Ion:330 Resp: 213548

Ion	Ratio	Lower	Upper
330	100		
332	96.4	77.6	116.4
141	29.6	24.6	36.8

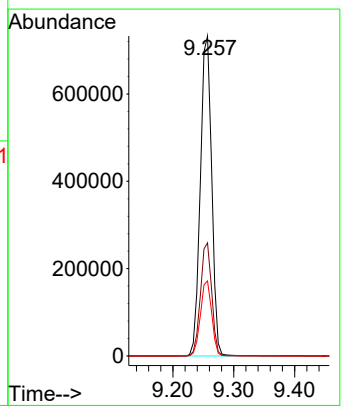


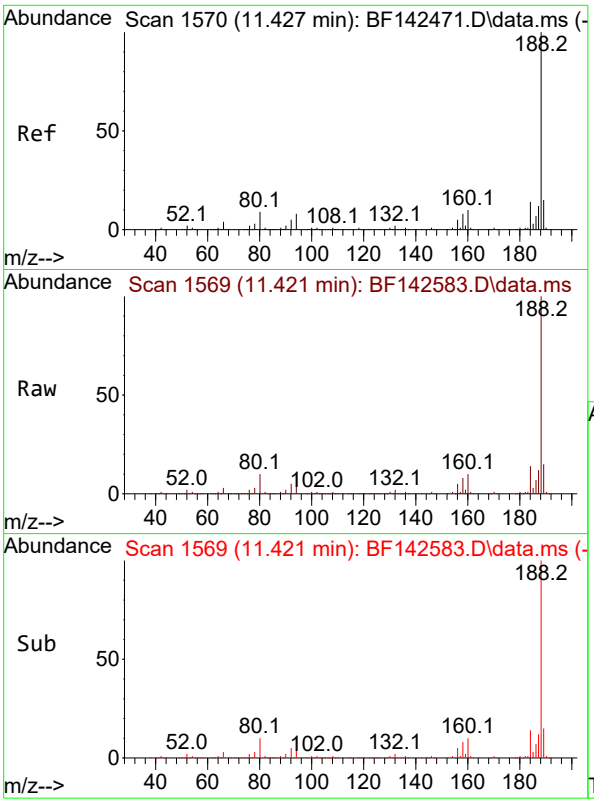


#45
2-Fluorobiphenyl
Concen: 46.001 ng
RT: 9.257 min Scan# 1201
Delta R.T. -0.012 min
Lab File: BF142583.D
Acq: 30 May 2025 21:42

Tgt Ion:172 Resp: 949387

Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.6	42.8
170	23.4	18.9	28.3



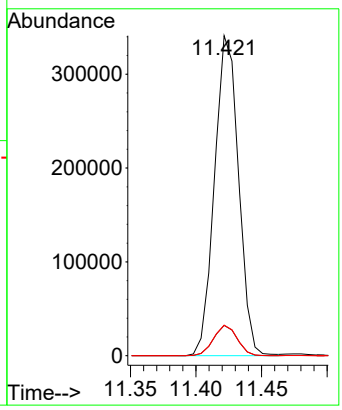


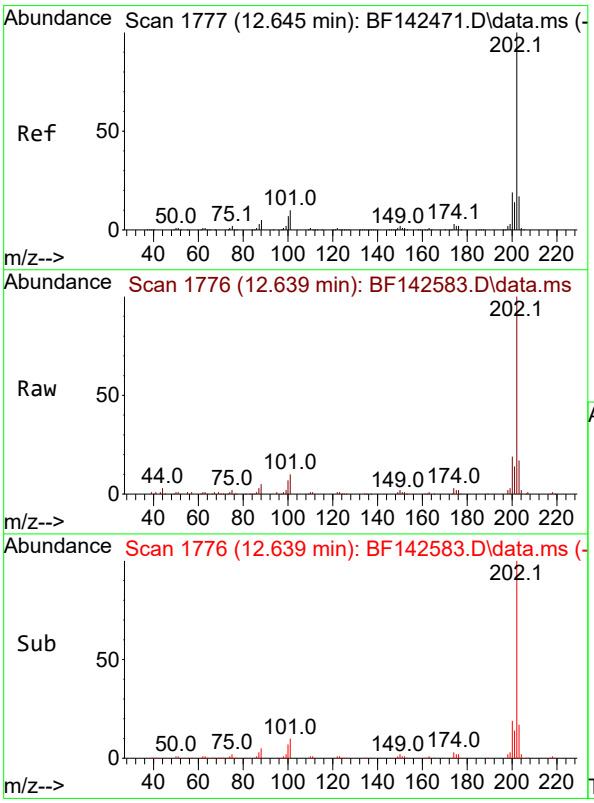
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.421 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142583.D
Acq: 30 May 2025 21:42

Instrument :
BNA_F
ClientSampleId :
TP-42

Tgt Ion:188 Resp: 434462

Ion	Ratio	Lower	Upper
188	100		
94	9.4	6.6	10.0
80	9.5	7.4	11.0

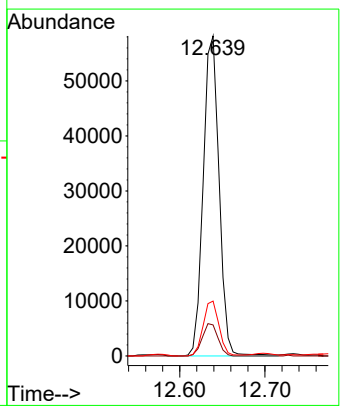


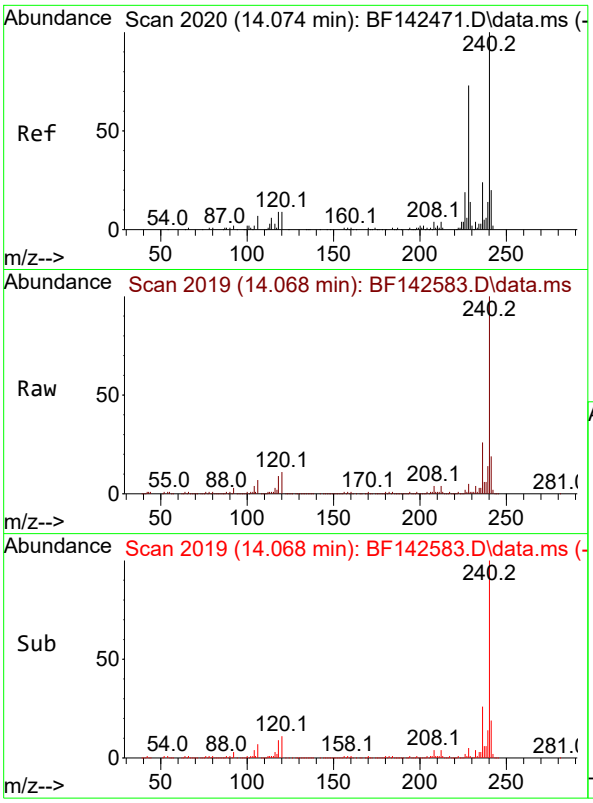


#75
Fluoranthene
Concen: 3.468 ng
RT: 12.639 min Scan# 1776
Delta R.T. -0.006 min
Lab File: BF142583.D
Acq: 30 May 2025 21:42

Tgt Ion:202 Resp: 75247

Ion	Ratio	Lower	Upper
202	100		
101	9.7	0.0	29.6
203	17.2	0.0	37.2



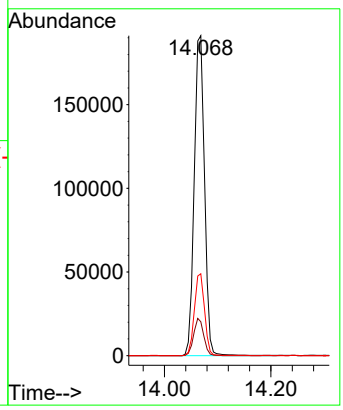


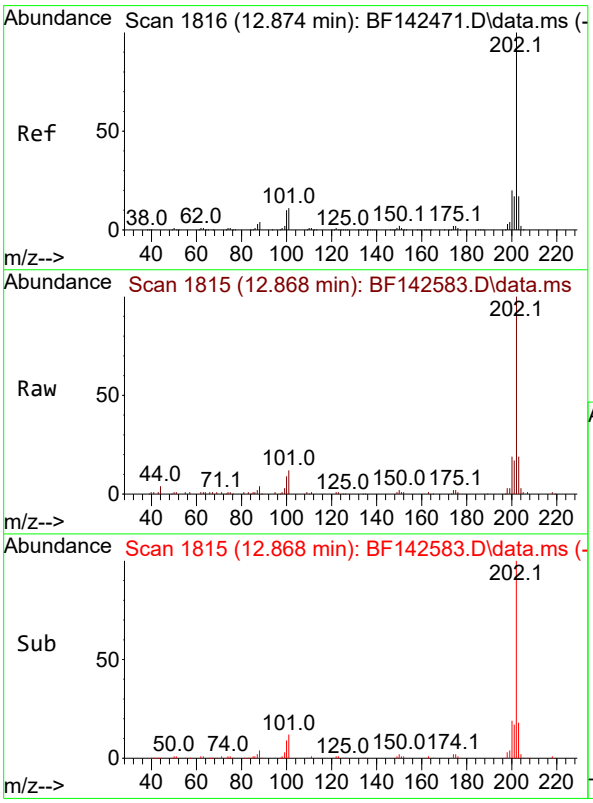
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.068 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142583.D
Acq: 30 May 2025 21:42

Instrument :
BNA_F
ClientSampleId :
TP-42

Tgt Ion:240 Resp: 256745

Ion	Ratio	Lower	Upper
240	100		
120	10.6	7.5	11.3
236	25.6	19.6	29.4

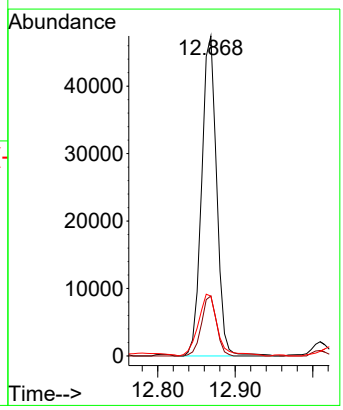


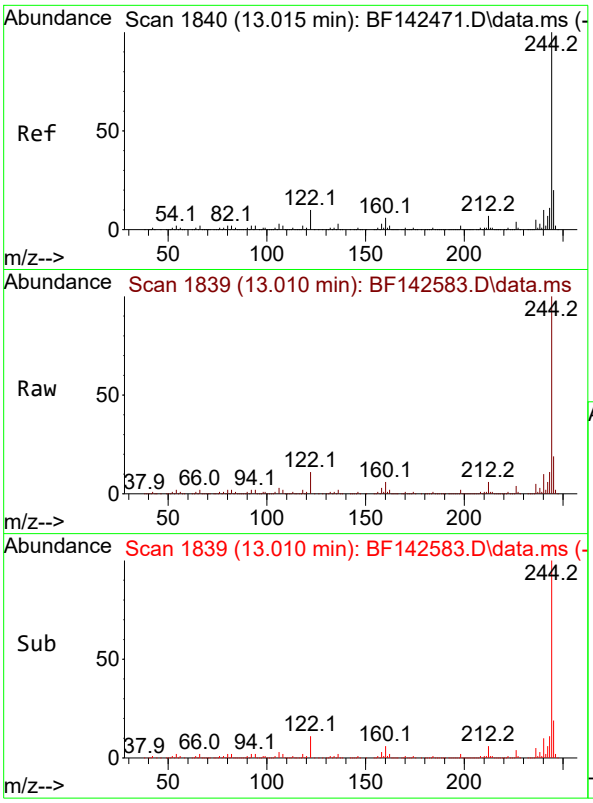


#78
Pyrene
Concen: 2.666 ng
RT: 12.868 min Scan# 1815
Delta R.T. -0.006 min
Lab File: BF142583.D
Acq: 30 May 2025 21:42

Tgt Ion:202 Resp: 63857

Ion	Ratio	Lower	Upper
202	100		
200	18.8	16.1	24.1
203	18.7	13.9	20.9



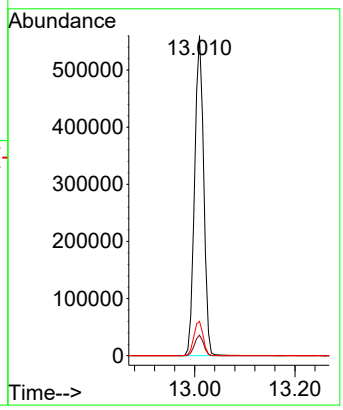


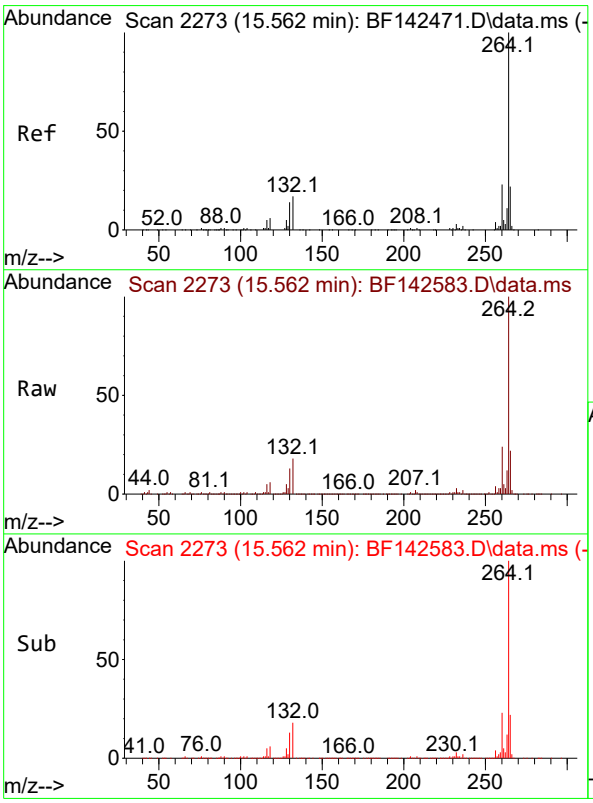
#79
Terphenyl-d14
Concen: 37.262 ng
RT: 13.010 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142583.D
Acq: 30 May 2025 21:42

Instrument :
BNA_F
ClientSampleId :
TP-42

Tgt Ion:244 Resp: 700083

Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.3	7.9
122	10.7	8.2	12.2

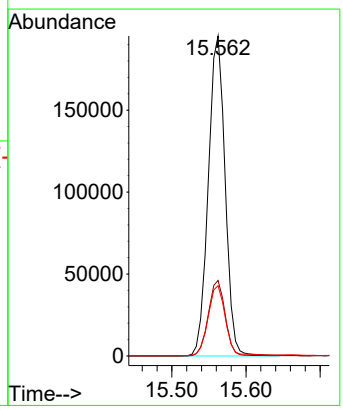


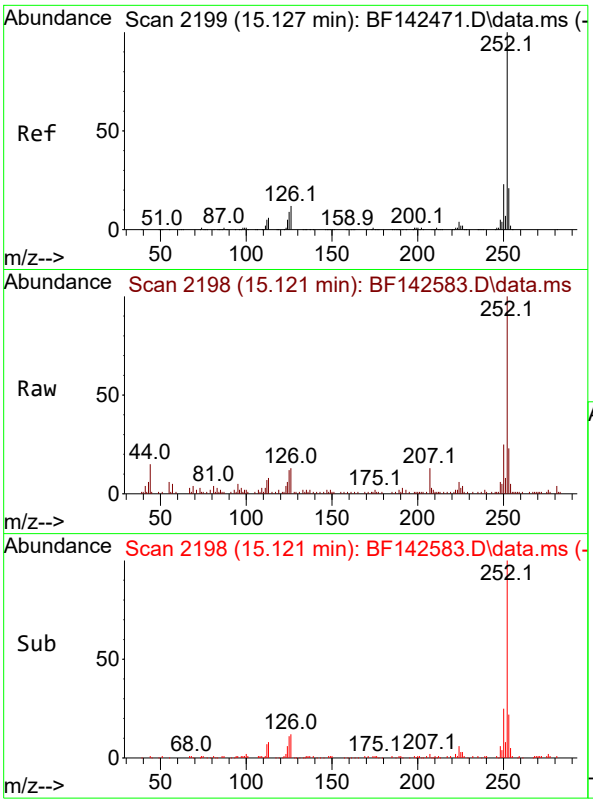


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.562 min Scan# 2273
Delta R.T. -0.006 min
Lab File: BF142583.D
Acq: 30 May 2025 21:42

Tgt Ion:264 Resp: 308145

Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.6	28.0
265	21.9	17.7	26.5



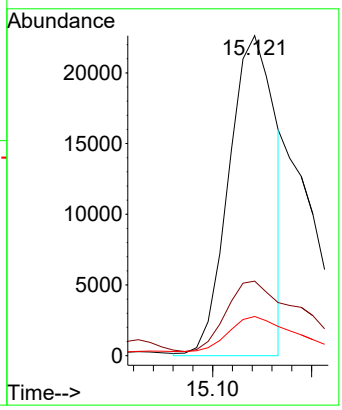


#88
Benzo(b)fluoranthene
Concen: 2.018 ng m
RT: 15.121 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF142583.D
Acq: 30 May 2025 21:42

Instrument :
BNA_F
ClientSampleId :
TP-42

Tgt Ion:252 Resp: 36811

Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.0	25.4
125	12.2	7.4	11.0#



Sample Results: **BF142583.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053025\
Data File : BF142583.D
Acq On : 30 May 2025 21:42
Operator : RC/JU
Sample : Q2150-02
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-42

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-BF052025.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF142583.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.299	13	18	29	rVB2	26093	45733	1.72%	0.231%
2	5.116	489	497	514	rBV	179059	265837	9.99%	1.344%
3	5.516	558	565	570	rBV	1687789	2272847	85.44%	11.488%
4	6.516	729	735	741	rBV	1617452	2288359	86.03%	11.567%
5	6.898	794	800	805	rBV	651980	820738	30.85%	4.148%
6	7.457	888	895	900	rBV	1142551	1486624	55.89%	7.514%
7	7.710	934	938	949	rVB	27327	36740	1.38%	0.186%
8	8.181	1012	1018	1034	rVB	851172	1068726	40.18%	5.402%
9	9.257	1195	1201	1206	rBV	2048441	2660074	100.00%	13.446%
10	9.933	1311	1316	1326	rVB	898361	1147703	43.15%	5.801%
11	10.645	1432	1437	1445	rBV	176557	224303	8.43%	1.134%
12	10.722	1445	1450	1464	rBV	1181528	1553082	58.38%	7.850%
13	11.421	1564	1569	1577	rBV	817404	1125115	42.30%	5.687%
14	11.945	1651	1658	1670	rBV3	162543	281753	10.59%	1.424%
15	12.039	1670	1674	1684	rVB	20943	43368	1.63%	0.219%
16	12.639	1771	1776	1781	rBV	127377	163810	6.16%	0.828%
17	12.863	1808	1814	1819	rBV	101751	156773	5.89%	0.792%
18	13.010	1833	1839	1844	rBV	1461213	1832329	68.88%	9.262%
19	13.192	1863	1870	1875	rBV	16585	29542	1.11%	0.149%
20	13.904	1987	1991	2002	rVB2	71319	122975	4.62%	0.622%
21	14.063	2012	2018	2030	rVB	552999	850896	31.99%	4.301%
22	15.121	2193	2198	2206	rBV	58576	133880	5.03%	0.677%
23	15.427	2247	2250	2256	rVB	35049	55991	2.10%	0.283%
24	15.492	2257	2261	2266	rVV	50730	80108	3.01%	0.405%
25	15.562	2267	2273	2285	rVB	522027	889041	33.42%	4.494%
26	16.039	2350	2354	2359	rVB	18415	31818	1.20%	0.161%
27	17.062	2523	2528	2537	rVB2	28432	68089	2.56%	0.344%
28	17.515	2601	2605	2617	rVB	19664	47821	1.80%	0.242%

Sum of corrected areas: 19784075

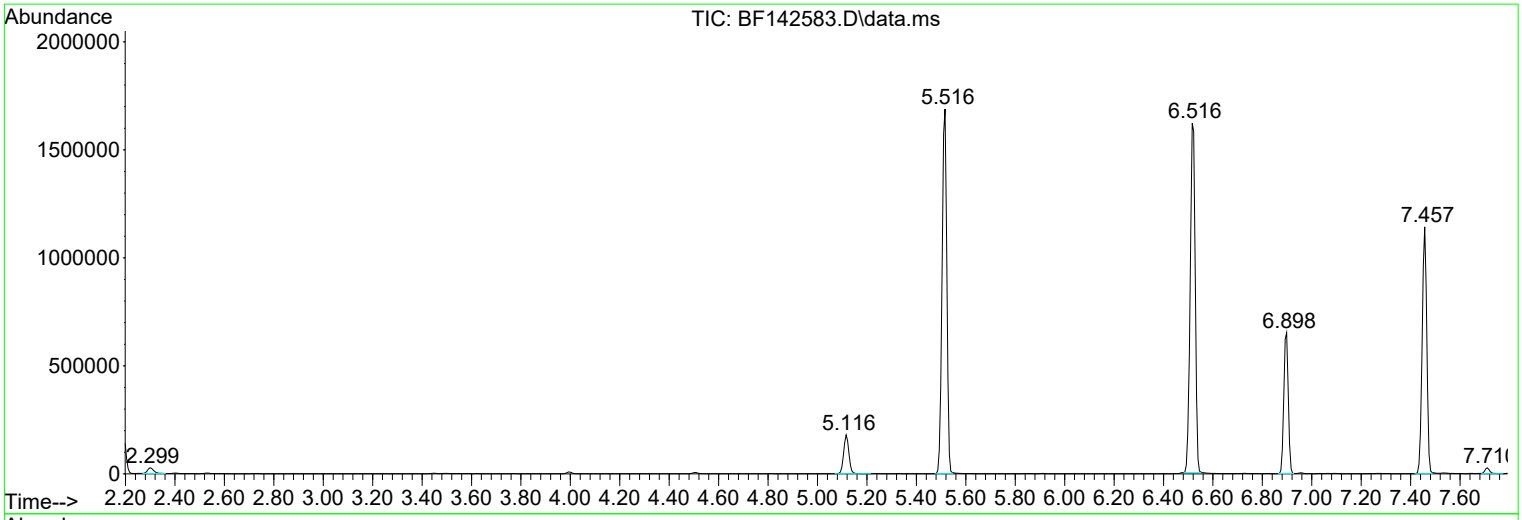
Sample Results: **BF142583.D**

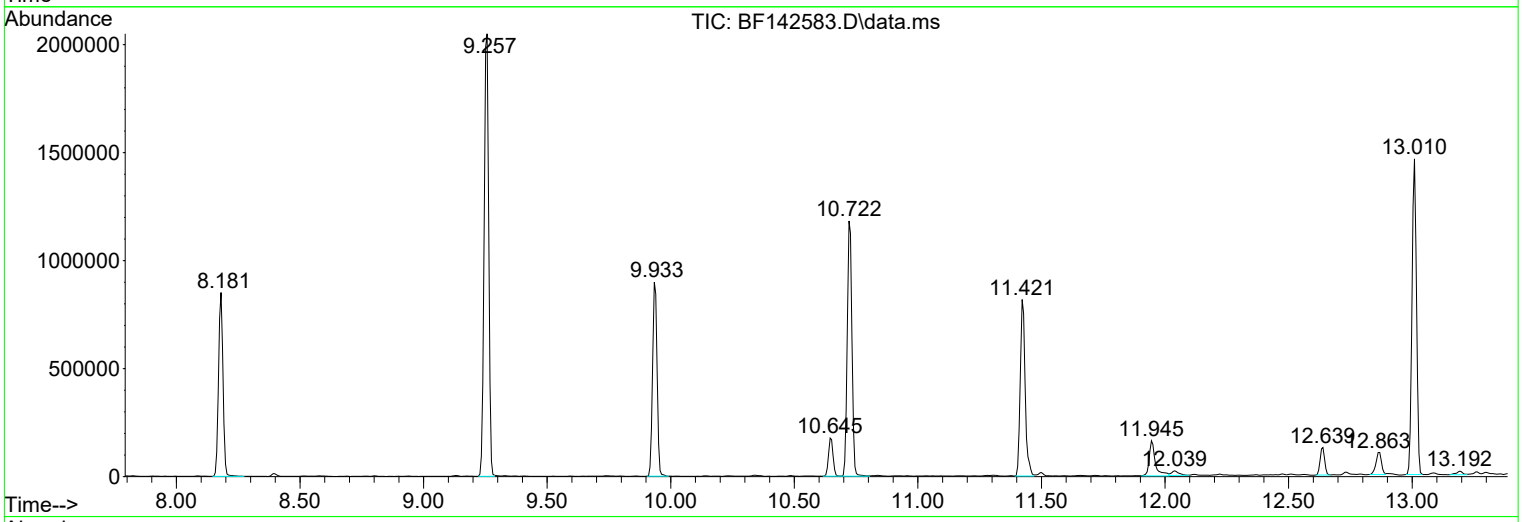
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053025\
Data File : BF142583.D
Acq On : 30 May 2025 21:42
Operator : RC/JU
Sample : Q2150-02
Misc :
ALS Vial : 19 Sample Multiplier: 1

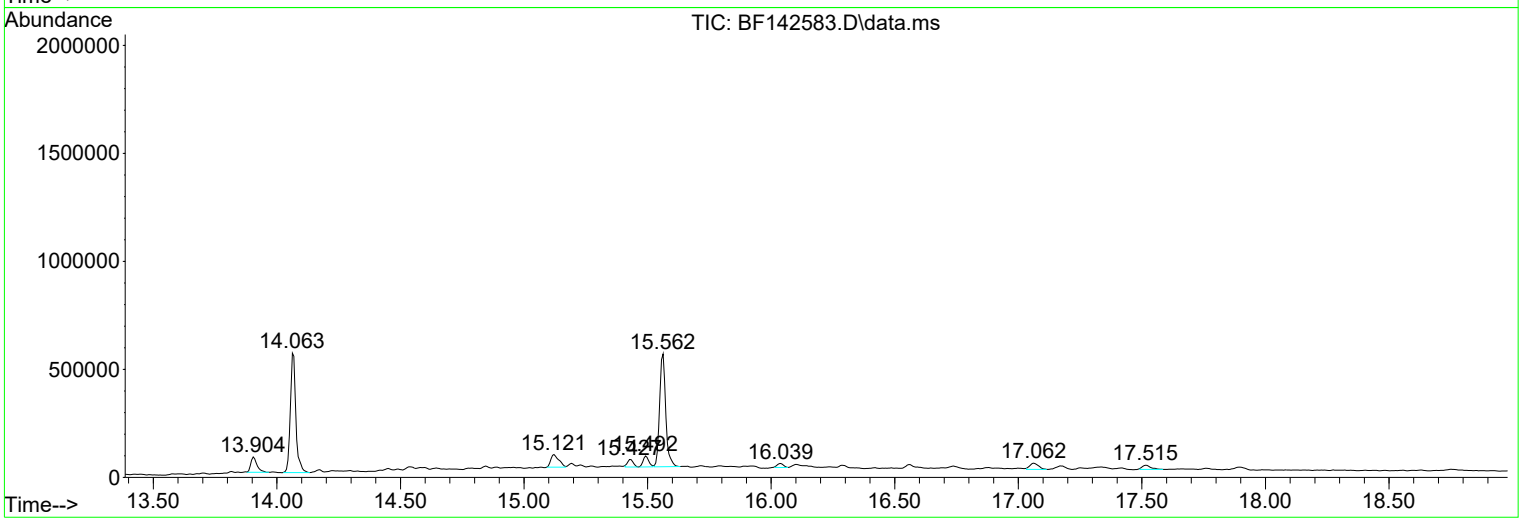
Instrument :
BNA_F
ClientSampleId :
TP-42

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.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\BF053025\
Data File : BF142583.D
Acq On : 30 May 2025 21:42
Operator : RC/JU
Sample : Q2150-02
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-42

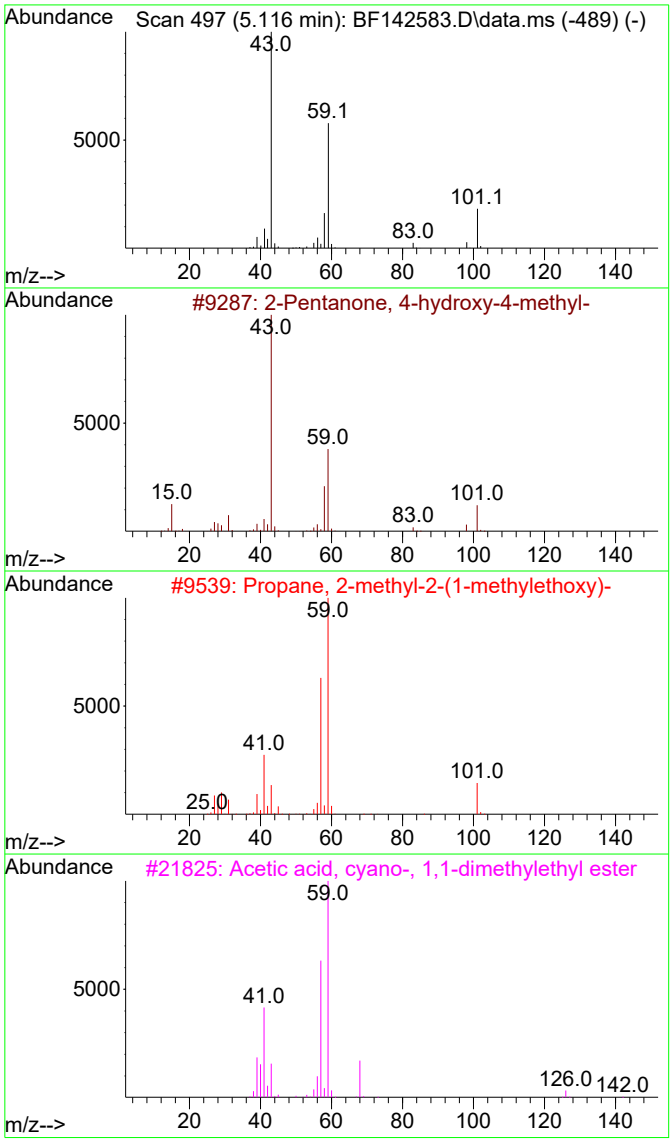
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

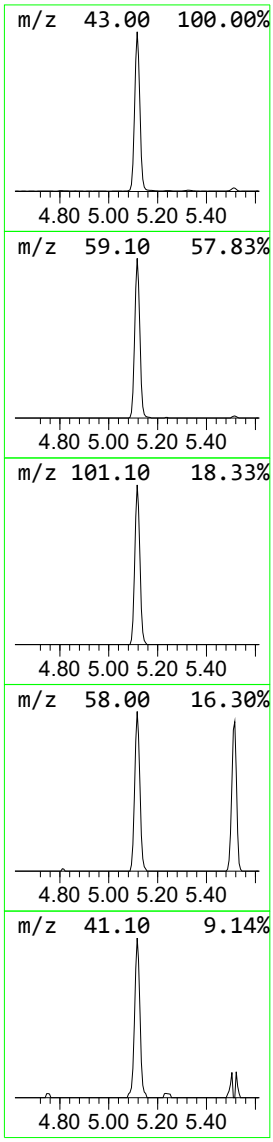
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.116	6.48 ng	265837	1,4-Dichlorobenzene-d4	6.898

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	36
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	32
4	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	12
5	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053025\
Data File : BF142583.D
Acq On : 30 May 2025 21:42
Operator : RC/JU
Sample : Q2150-02
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-42

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

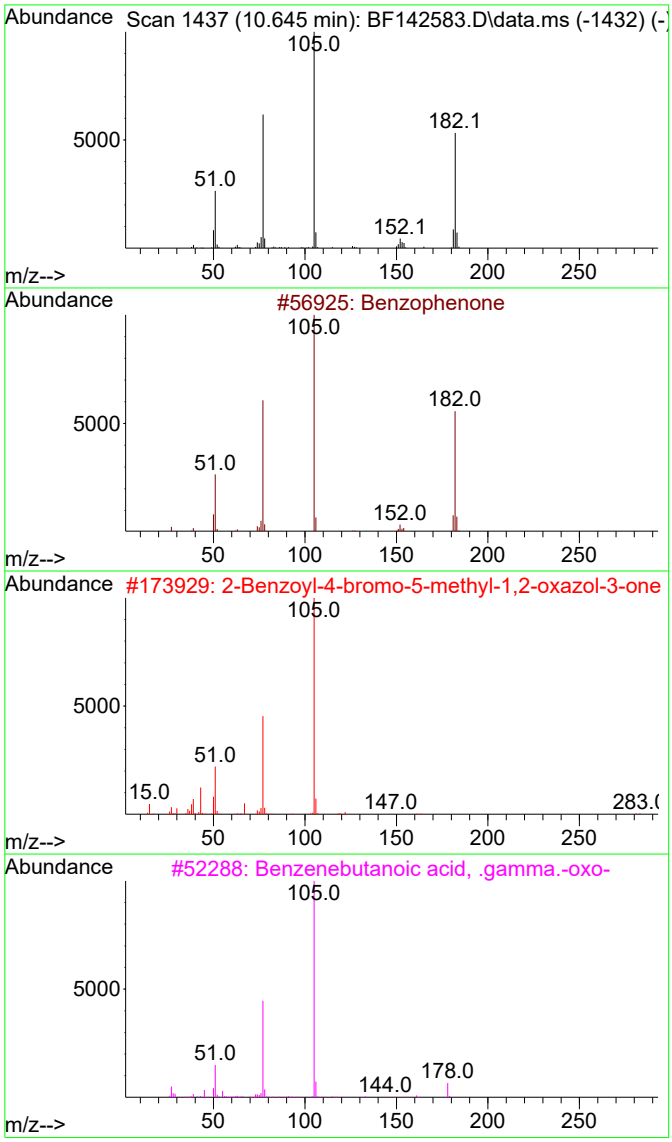
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

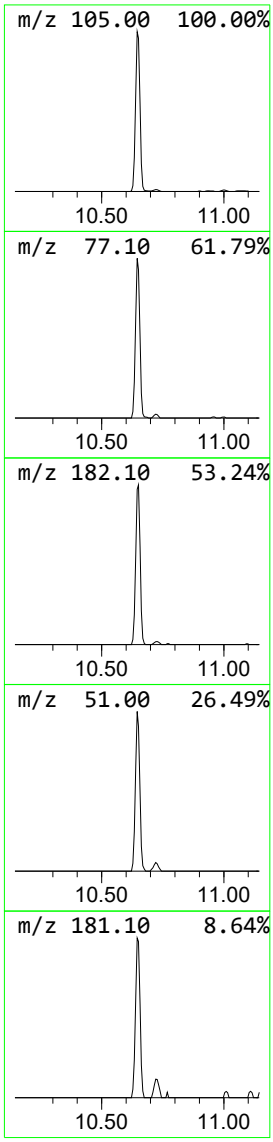
****

Peak Number 2 Benzophenone Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.645	3.91 ng	224303	Acenaphthene-d10	9.933

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	2-Benzoyl-4-bromo-5-methyl-1,2-o...	281	C11H8BrNO3	1000444-92-3	47
3	Benzenebutanoic acid, .gamma.-oxo-	178	C10H10O3	002051-95-8	47
4	1,2,4-Triazine-3,5(2H,4H)-dione,...	249	C10H7N3O3S	024168-34-1	47
5	1-Propanone, 3-chloro-1-phenyl-	168	C9H9ClO	000936-59-4	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053025\
Data File : BF142583.D
Acq On : 30 May 2025 21:42
Operator : RC/JU
Sample : Q2150-02
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-42

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

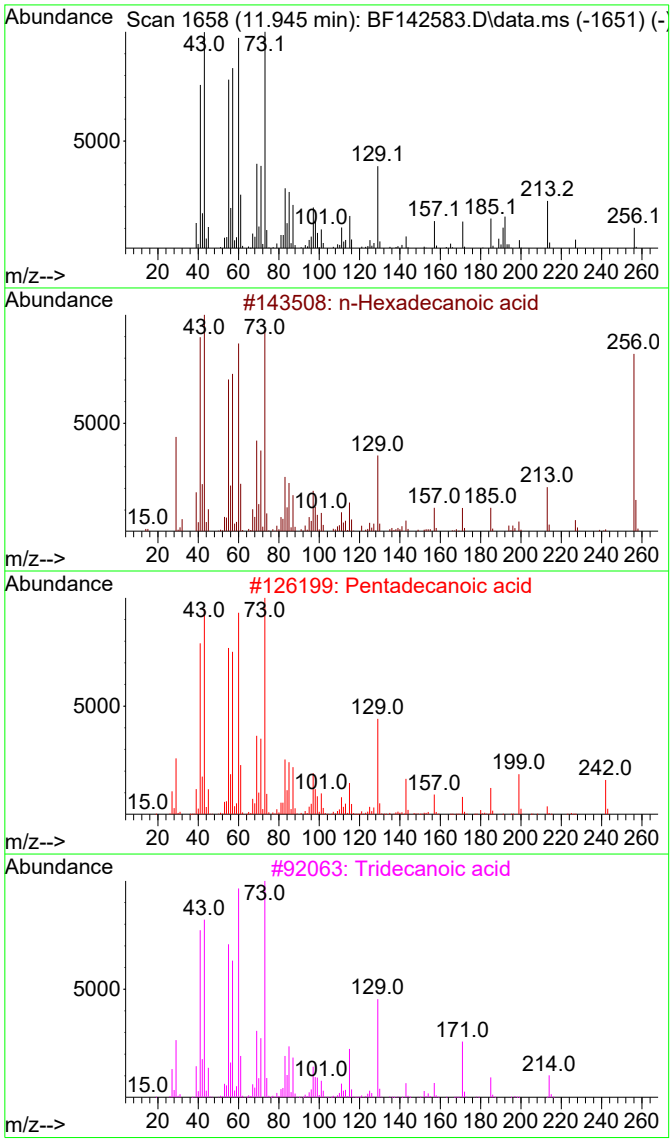
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

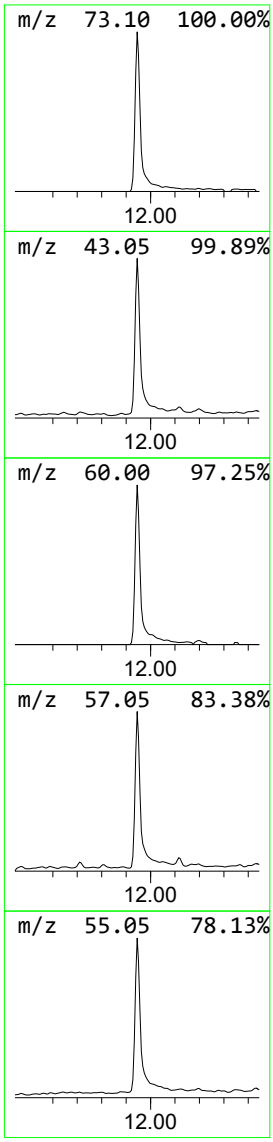
****

Peak Number 3 n-Hexadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.945	5.01 ng	281753	Phenanthrene-d10	11.422

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	93
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	87
5	n-Decanoic acid	172	C10H20O2	000334-48-5	76





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053025\
Data File : BF142583.D
Acq On : 30 May 2025 21:42
Operator : RC/JU
Sample : Q2150-02
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-42

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

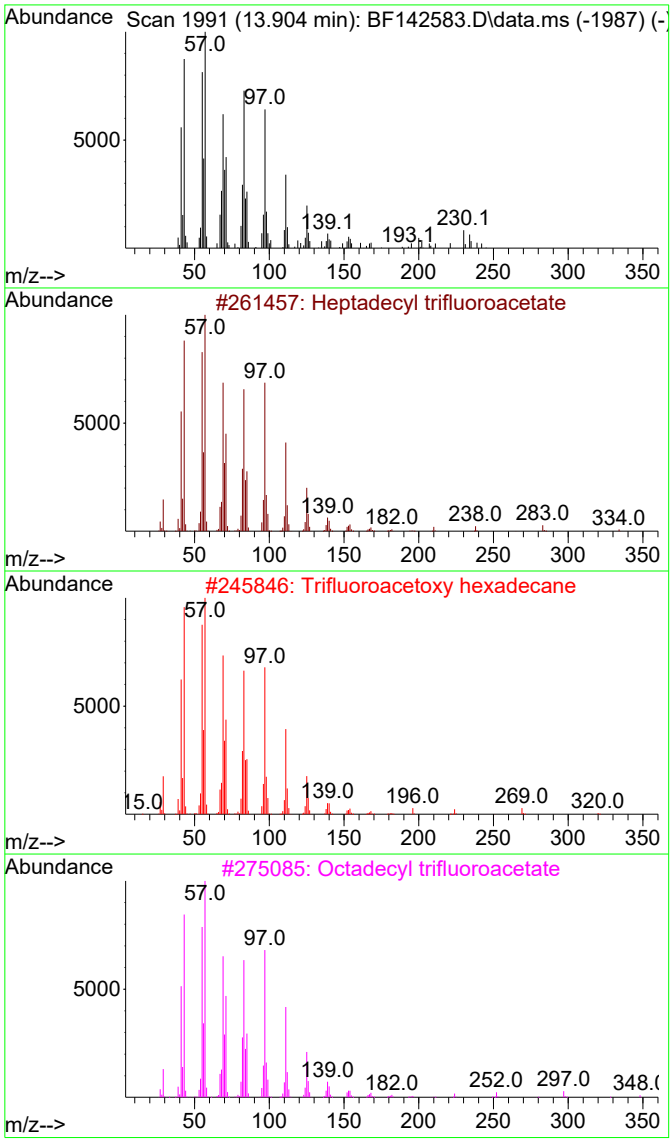
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

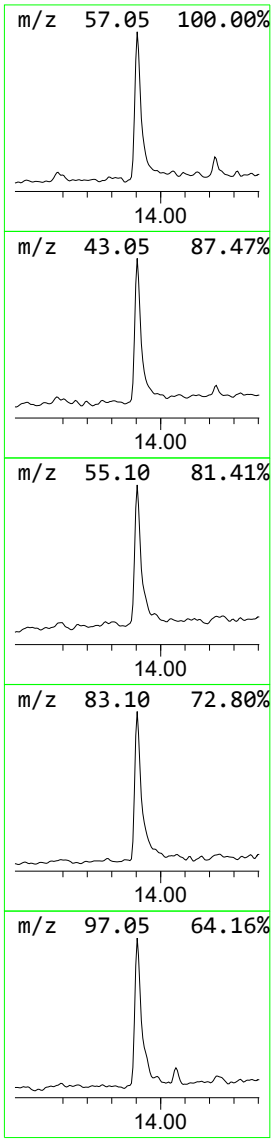
****

Peak Number 4 Heptadecyl trifluoroacetate Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.904	2.89 ng	122975	Chrysene-d12	14.068

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecyl trifluoroacetate	352	C19H35F3O2	1010351-87-0	95
2	Trifluoroacetoxy hexadecane	338	C18H33F3O2	006222-03-3	95
3	Octadecyl trifluoroacetate	366	C20H37F3O2	079392-43-1	94
4	Heptafluorobutyric acid, hexadec...	438	C20H33F7O2	006385-15-5	94
5	Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	94





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053025\
Data File : BF142583.D
Acq On : 30 May 2025 21:42
Operator : RC/JU
Sample : Q2150-02
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-42

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.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-...	5.116	6.5	ng	265837	1	6.898	820738	20.0
Benzophenone	10.645	3.9	ng	224303	3	9.933	1147700	20.0
n-Hexadecanoic ...	11.945	5.0	ng	281753	4	11.422	1125120	20.0
Heptadecyl trif...	13.904	2.9	ng	122975	5	14.068	850896	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053025\
Data File : BF142580.D
Acq On : 30 May 2025 20:14
Operator : RC/JU
Sample : Q2150-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-39

Quant Time: May 30 22:29:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration

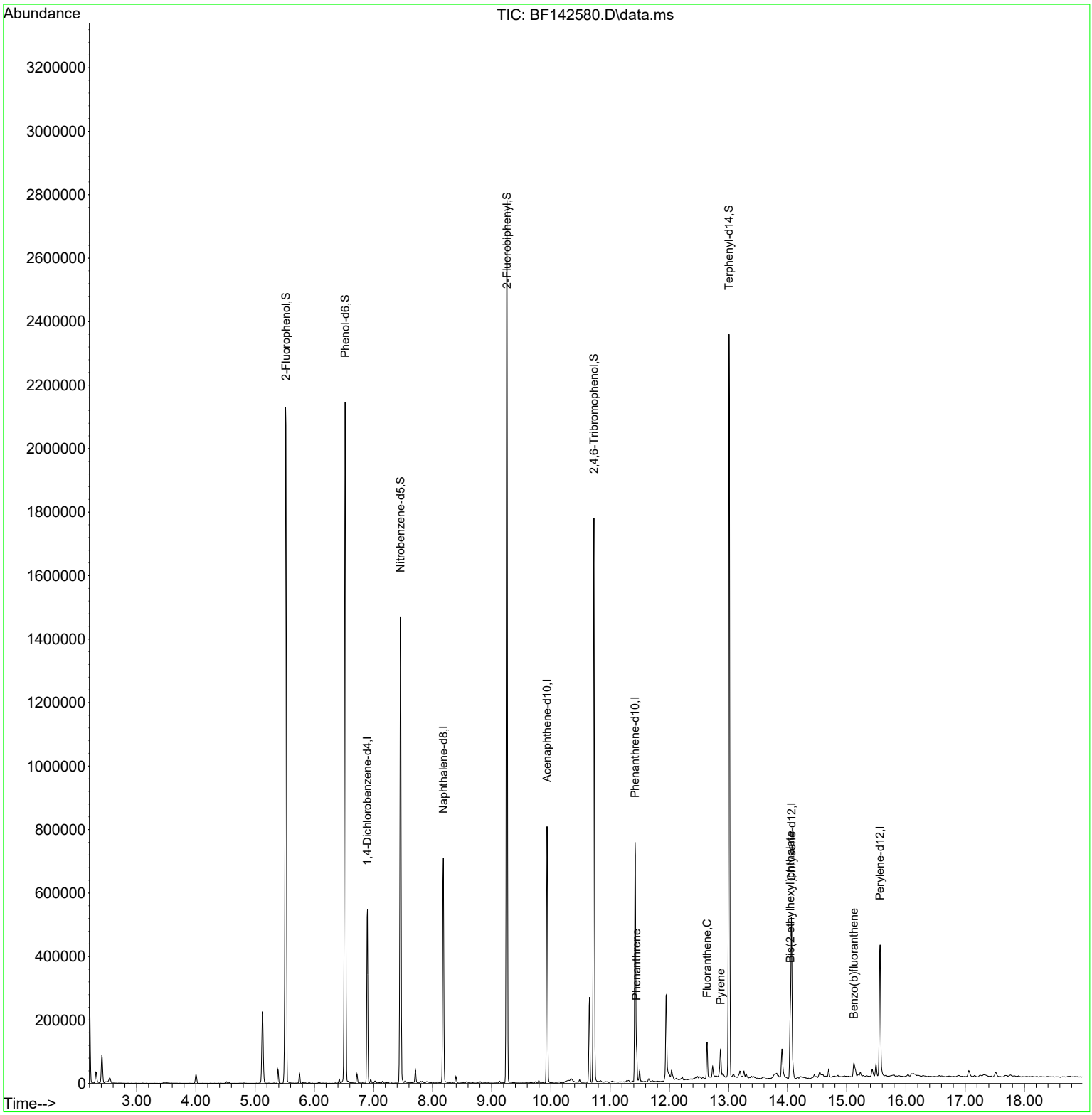
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	122275	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	460916	20.000	ng	0.00
39) Acenaphthene-d10	9.933	164	242076	20.000	ng	-0.01
64) Phenanthrene-d10	11.422	188	399449	20.000	ng	-0.01
76) Chrysene-d12	14.068	240	234709	20.000	ng	0.00
86) Perylene-d12	15.562	264	243865	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	881832	121.502	ng	0.00
7) Phenol-d6	6.522	99	1097956	125.674	ng	-0.01
23) Nitrobenzene-d5	7.457	82	658106	77.857	ng	-0.02
42) 2,4,6-Tribromophenol	10.727	330	332339	123.696	ng	-0.01
45) 2-Fluorobiphenyl	9.257	172	1296910	71.890	ng	-0.01
79) Terphenyl-d14	13.010	244	1161574	67.630	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.445	178	51900	2.431	ng	99
75) Fluoranthene	12.639	202	64278	3.222	ng	99
78) Pyrene	12.868	202	52703	2.407	ng	98
84) Bis(2-ethylhexyl)phtha...	14.045	149	72176	9.319	ng	98
88) Benzo(b)fluoranthene	15.121	252	30210m	2.093	ng	

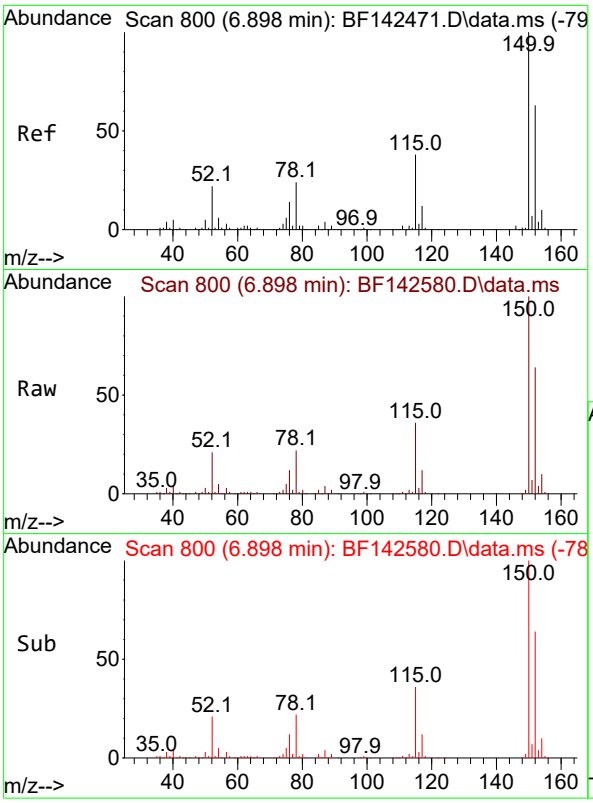
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053025\
Data File : BF142580.D
Acq On : 30 May 2025 20:14
Operator : RC/JU
Sample : Q2150-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-39

Quant Time: May 30 22:29:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration



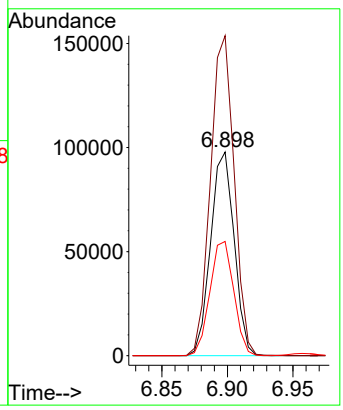


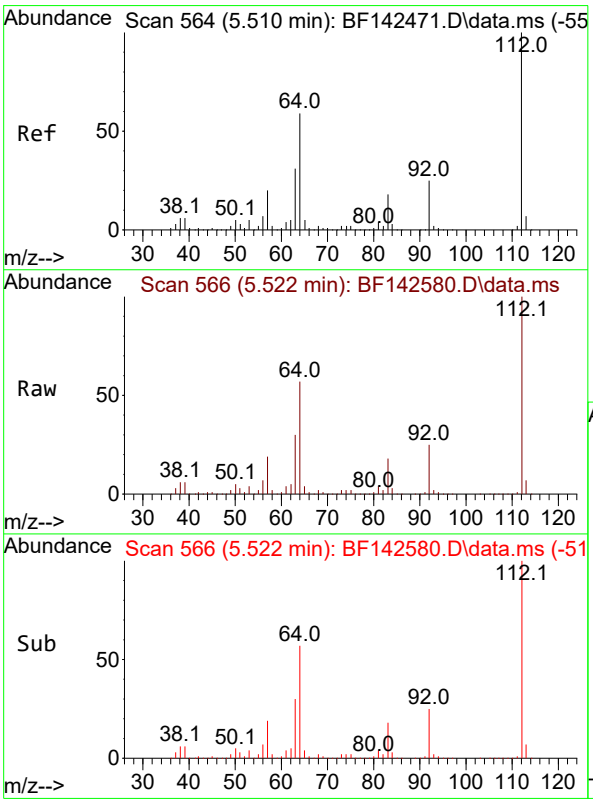
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142580.D
Acq: 30 May 2025 20:14

Instrument :
BNA_F
ClientSampleId :
TP-39

Tgt Ion:152 Resp: 122275

Ion	Ratio	Lower	Upper
152	100		
150	157.0	128.2	192.4
115	56.0	48.3	72.5

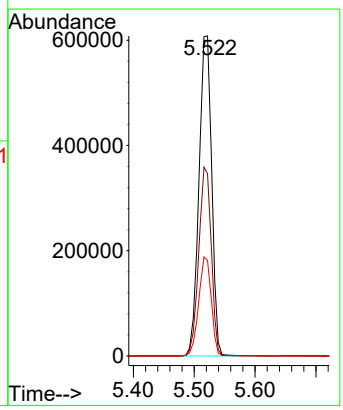


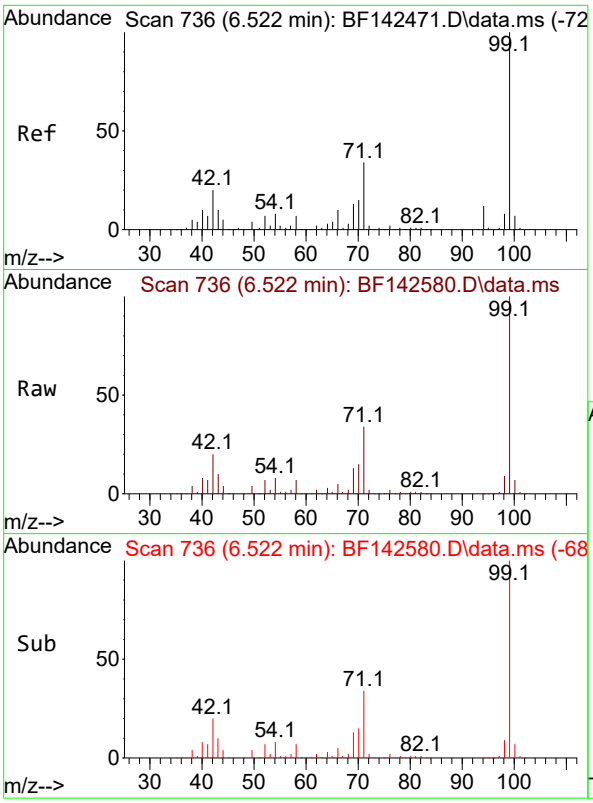


#5
2-Fluorophenol
Concen: 121.502 ng
RT: 5.522 min Scan# 566
Delta R.T. 0.006 min
Lab File: BF142580.D
Acq: 30 May 2025 20:14

Tgt Ion:112 Resp: 881832

Ion	Ratio	Lower	Upper
112	100		
64	57.0	47.5	71.3
63	29.8	24.9	37.3



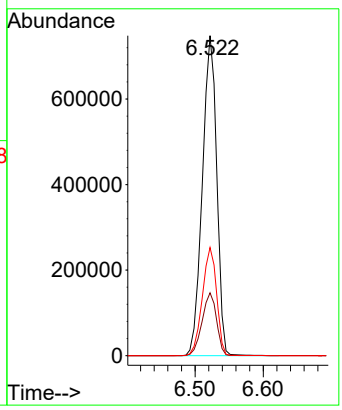


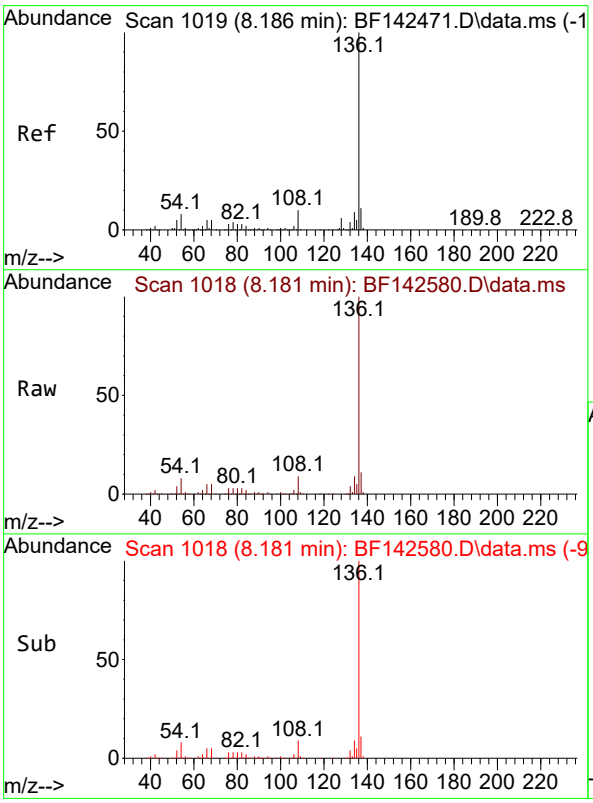
#7
Phenol-d6
Concen: 125.674 ng
RT: 6.522 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF142580.D
Acq: 30 May 2025 20:14

Instrument :
BNA_F
ClientSampleId :
TP-39

Tgt Ion: 99 Resp: 1097956

Ion	Ratio	Lower	Upper
99	100		
42	19.7	16.2	24.2
71	33.8	27.3	40.9

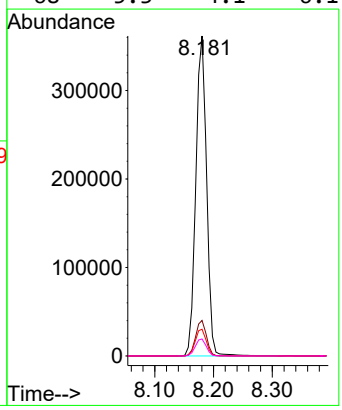


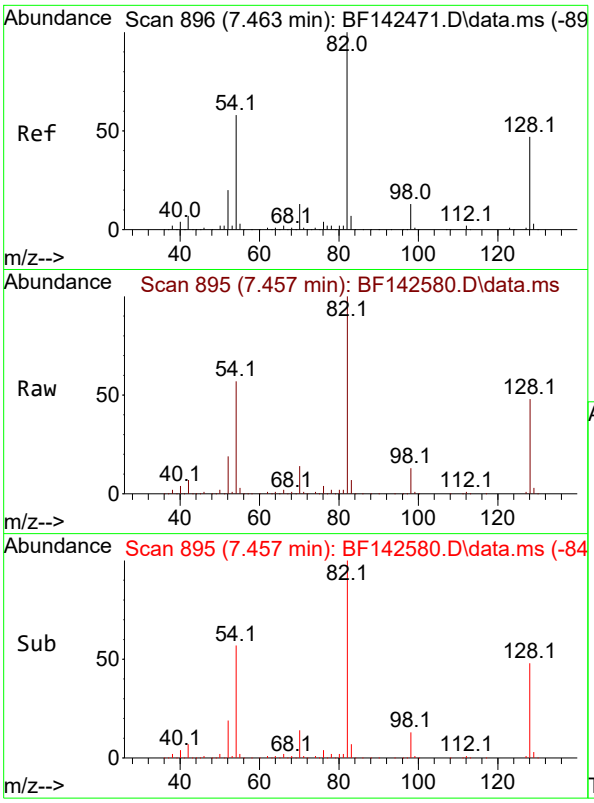


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF142580.D
Acq: 30 May 2025 20:14

Tgt Ion:136 Resp: 460916

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.6	13.0
54	8.4	6.6	10.0
68	5.3	4.1	6.1



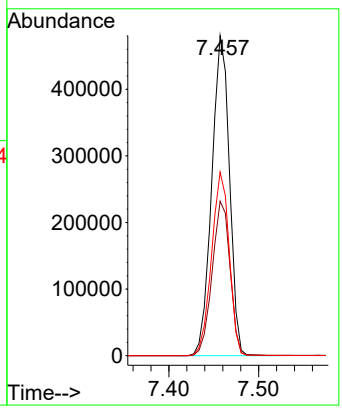


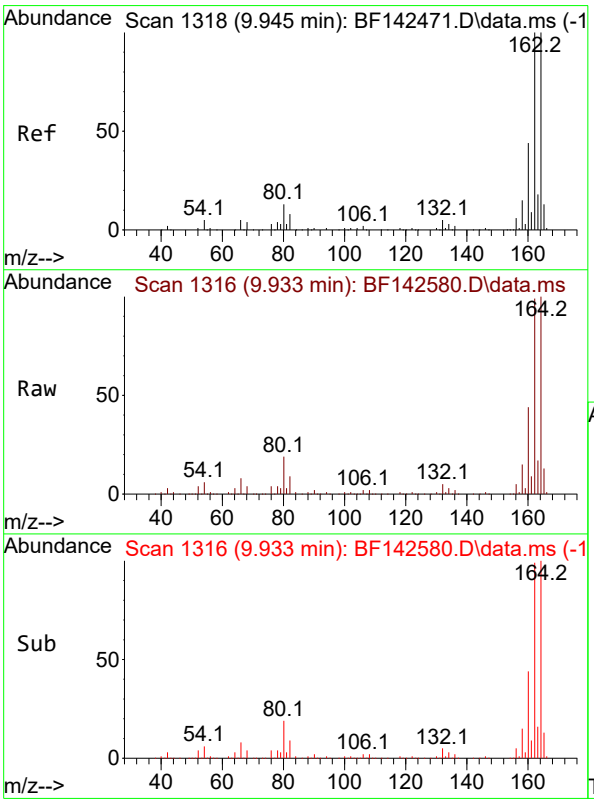
#23
Nitrobenzene-d5
Concen: 77.857 ng
RT: 7.457 min Scan# 8
Delta R.T. -0.018 min
Lab File: BF142580.D
Acq: 30 May 2025 20:14

Instrument :
BNA_F
ClientSampleId :
TP-39

Tgt Ion: 82 Resp: 658106

Ion	Ratio	Lower	Upper
82	100		
128	48.2	37.4	56.2
54	57.4	46.6	70.0

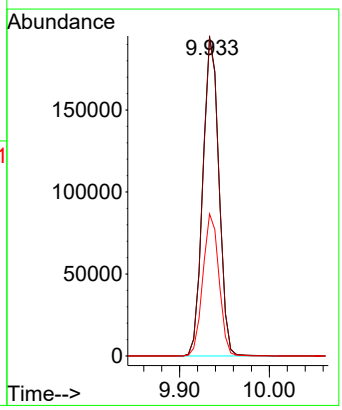


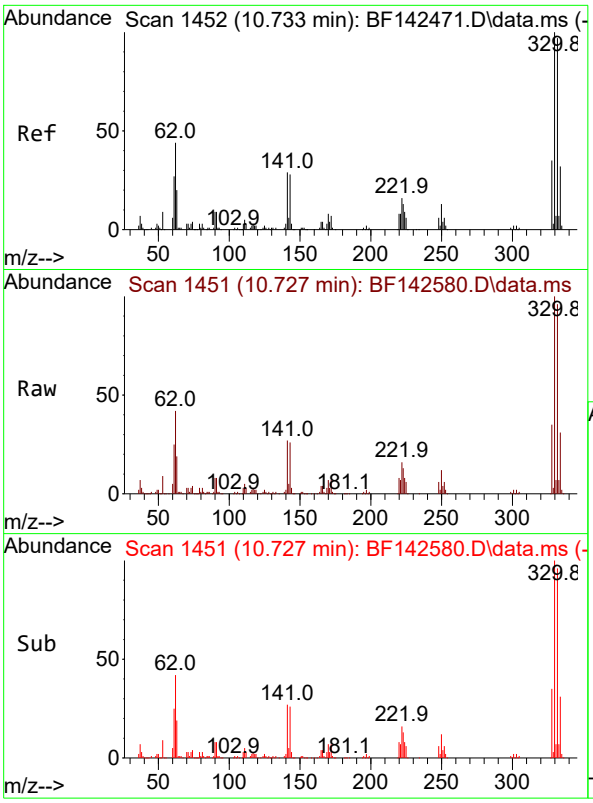


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.933 min Scan# 1316
Delta R.T. -0.012 min
Lab File: BF142580.D
Acq: 30 May 2025 20:14

Tgt Ion:164 Resp: 242076

Ion	Ratio	Lower	Upper
164	100		
162	99.1	80.2	120.4
160	44.4	35.6	53.4



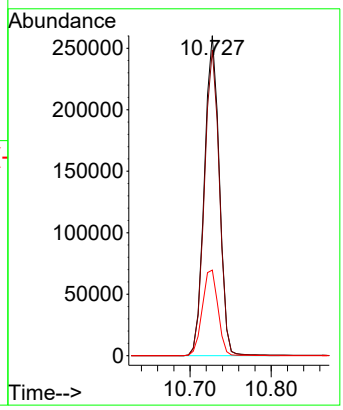


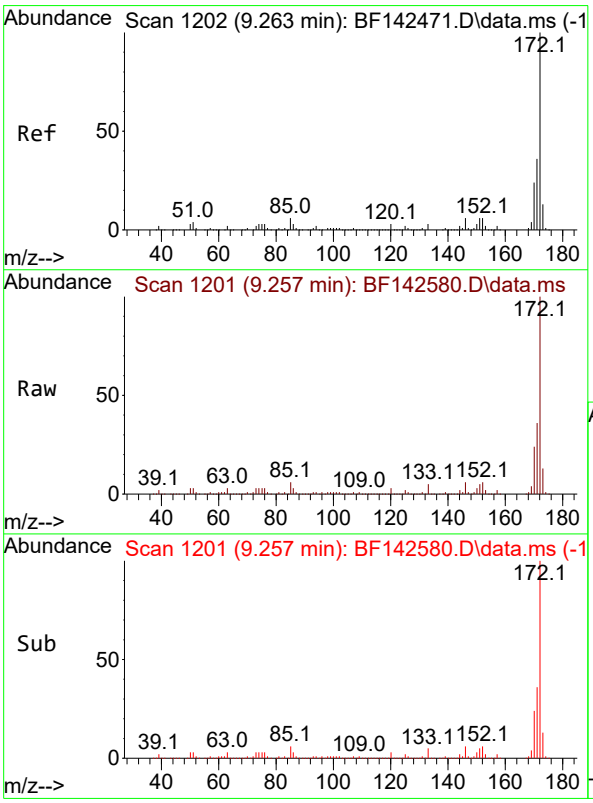
#42
2,4,6-Tribromophenol
Concen: 123.696 ng
RT: 10.727 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF142580.D
Acq: 30 May 2025 20:14

Instrument :
BNA_F
ClientSampleId :
TP-39

Tgt Ion:330 Resp: 332339

Ion	Ratio	Lower	Upper
330	100		
332	96.0	77.6	116.4
141	28.1	24.6	36.8

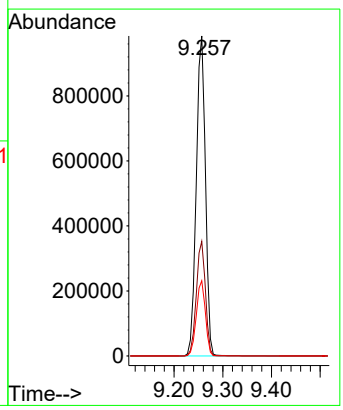


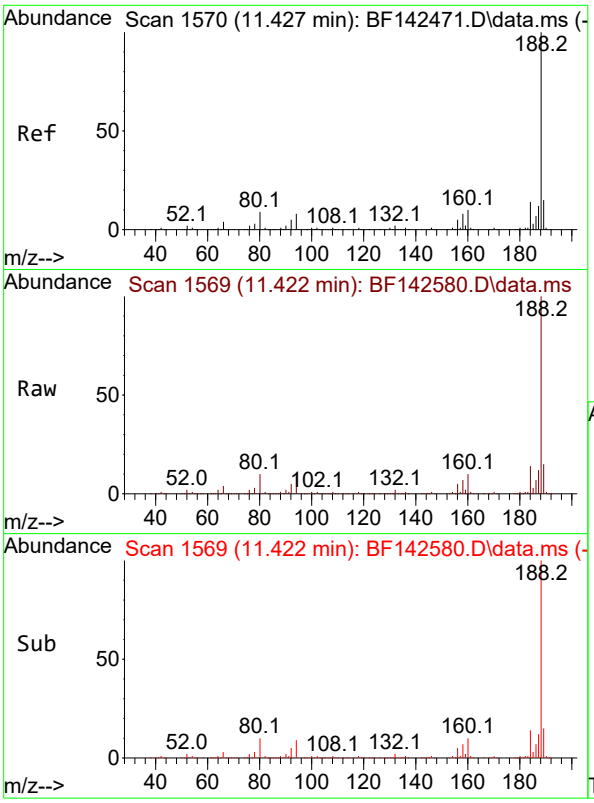


#45
2-Fluorobiphenyl
Concen: 71.890 ng
RT: 9.257 min Scan# 1201
Delta R.T. -0.012 min
Lab File: BF142580.D
Acq: 30 May 2025 20:14

Tgt Ion:172 Resp: 1296910

Ion	Ratio	Lower	Upper
172	100		
171	35.8	28.6	42.8
170	23.5	18.9	28.3



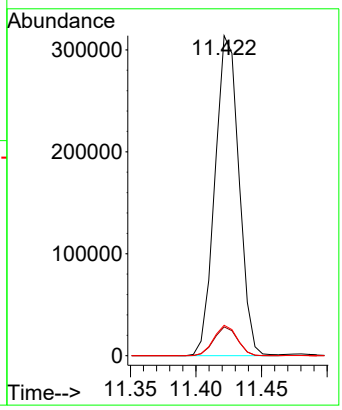


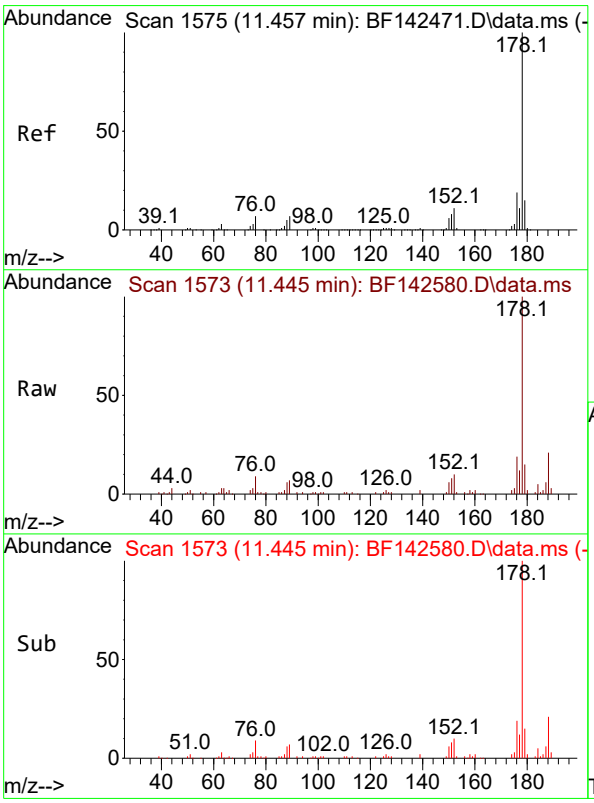
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142580.D
Acq: 30 May 2025 20:14

Instrument :
BNA_F
ClientSampleId :
TP-39

Tgt Ion:188 Resp: 399449

Ion	Ratio	Lower	Upper
188	100		
94	9.0	6.6	10.0
80	9.5	7.4	11.0

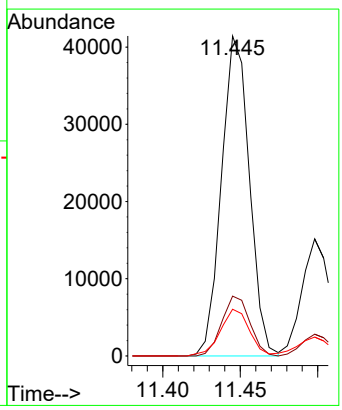


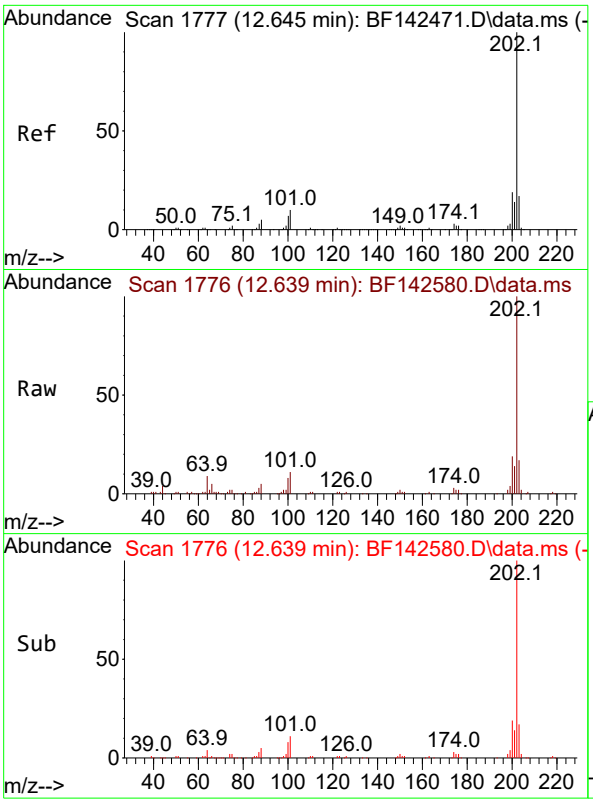


#71
Phenanthrene
Concen: 2.431 ng
RT: 11.445 min Scan# 1573
Delta R.T. -0.012 min
Lab File: BF142580.D
Acq: 30 May 2025 20:14

Tgt Ion:178 Resp: 51900

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.4	23.0
179	14.6	12.3	18.5



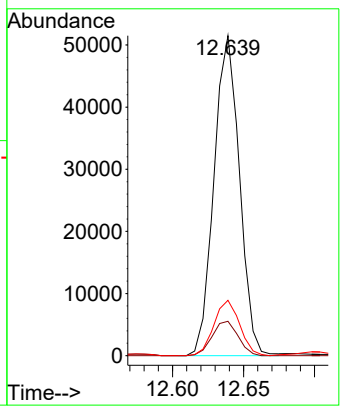


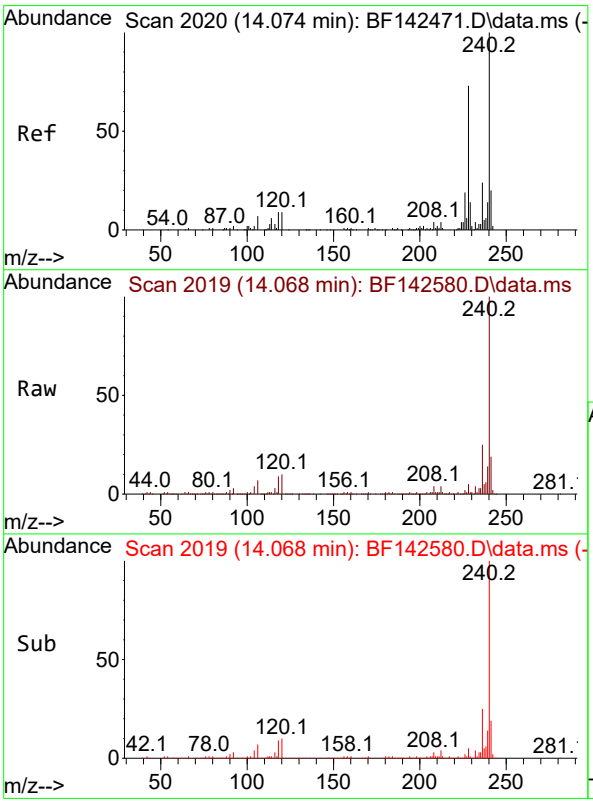
#75
Fluoranthene
Concen: 3.222 ng
RT: 12.639 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142580.D
Acq: 30 May 2025 20:14

Instrument :
BNA_F
ClientSampleId :
TP-39

Tgt Ion:202 Resp: 64278

Ion	Ratio	Lower	Upper
202	100		
101	10.8	0.0	29.6
203	17.3	0.0	37.2

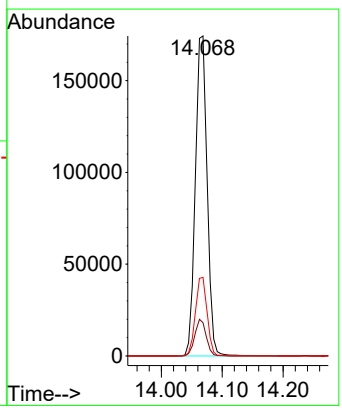


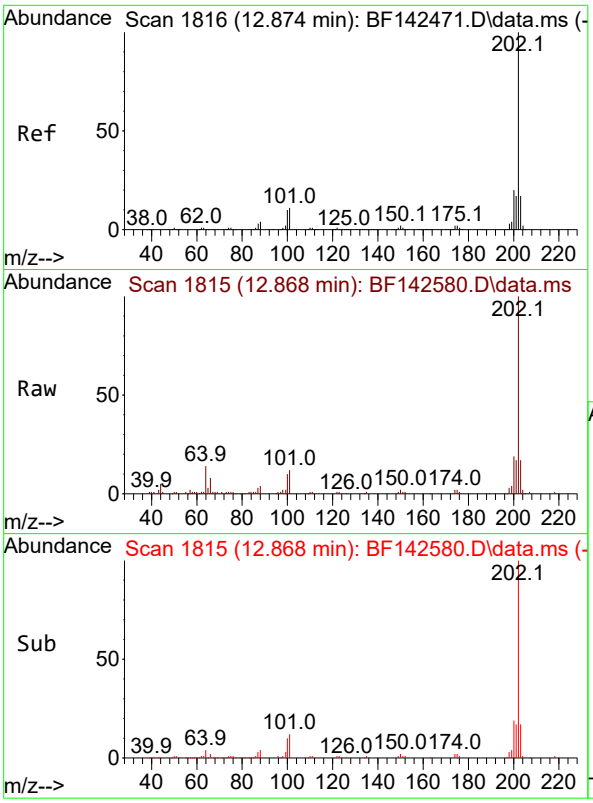


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.068 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF142580.D
Acq: 30 May 2025 20:14

Tgt Ion:240 Resp: 234709

Ion	Ratio	Lower	Upper
240	100		
120	10.4	7.5	11.3
236	24.5	19.6	29.4



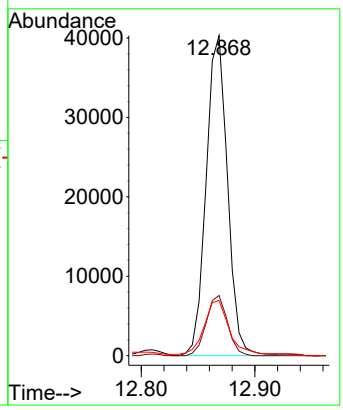


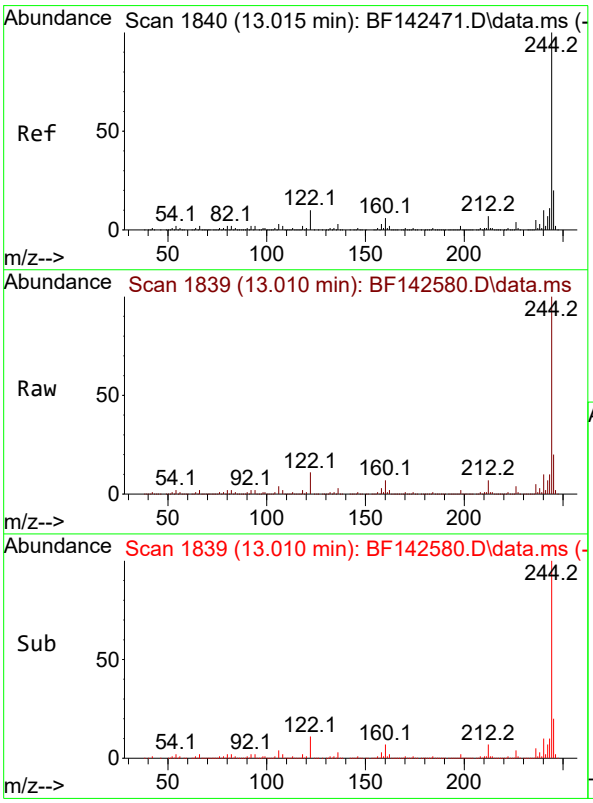
#78
Pyrene
Concen: 2.407 ng
RT: 12.868 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142580.D
Acq: 30 May 2025 20:14

Instrument :
BNA_F
ClientSampleId :
TP-39

Tgt Ion:202 Resp: 52703

Ion	Ratio	Lower	Upper
202	100		
200	18.8	16.1	24.1
203	17.2	13.9	20.9

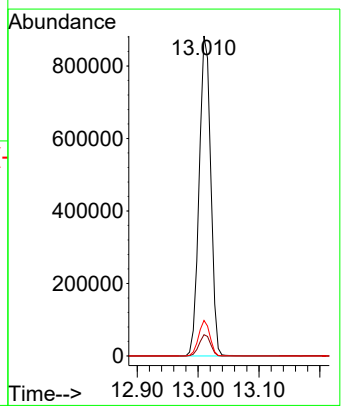


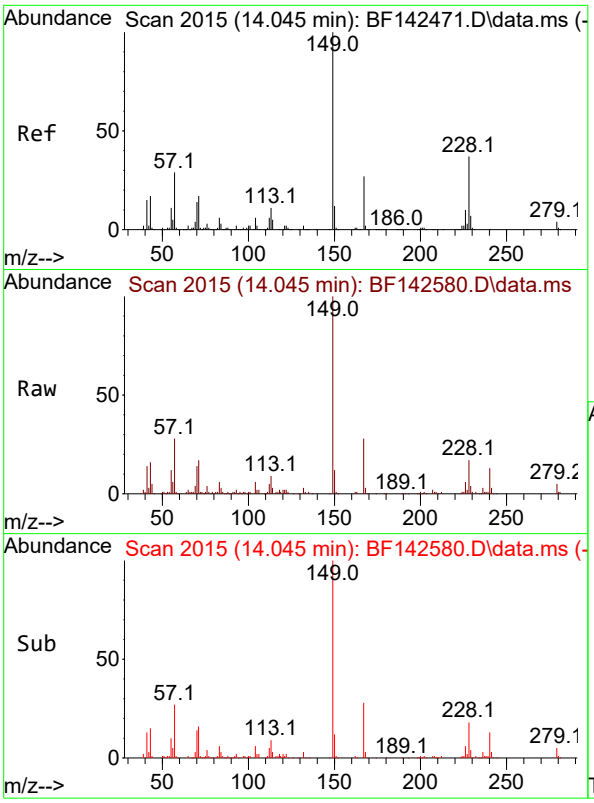


#79
Terphenyl-d14
Concen: 67.630 ng
RT: 13.010 min Scan# 1839
Delta R.T. -0.006 min
Lab File: BF142580.D
Acq: 30 May 2025 20:14

Tgt Ion:244 Resp: 1161574

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.3	7.9
122	11.1	8.2	12.2



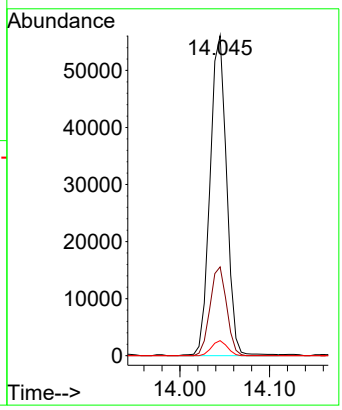


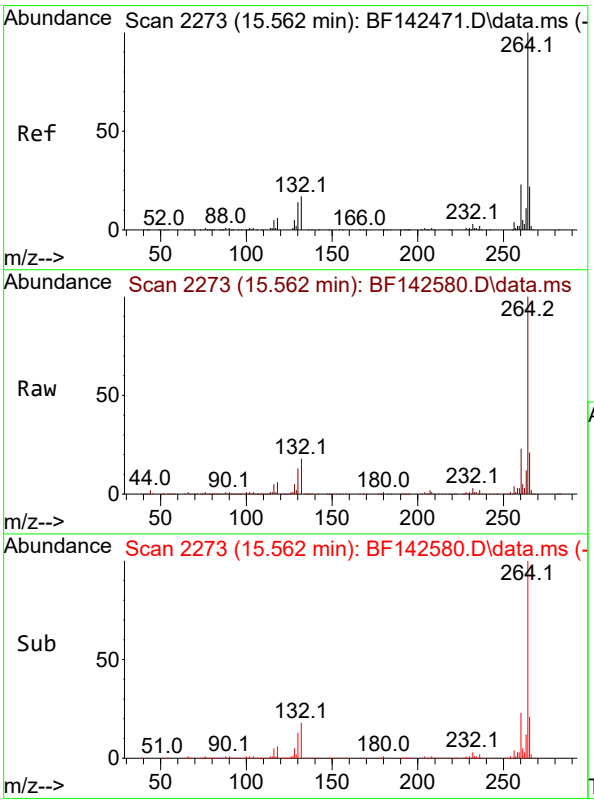
#84
Bis(2-ethylhexyl)phthalate
Concen: 9.319 ng
RT: 14.045 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142580.D
Acq: 30 May 2025 20:14

Instrument :
BNA_F
ClientSampleId :
TP-39

Tgt Ion:149 Resp: 72176

Ion	Ratio	Lower	Upper
149	100		
167	27.7	21.5	32.3
279	4.7	3.2	4.8

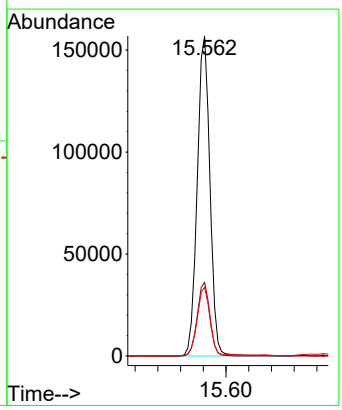


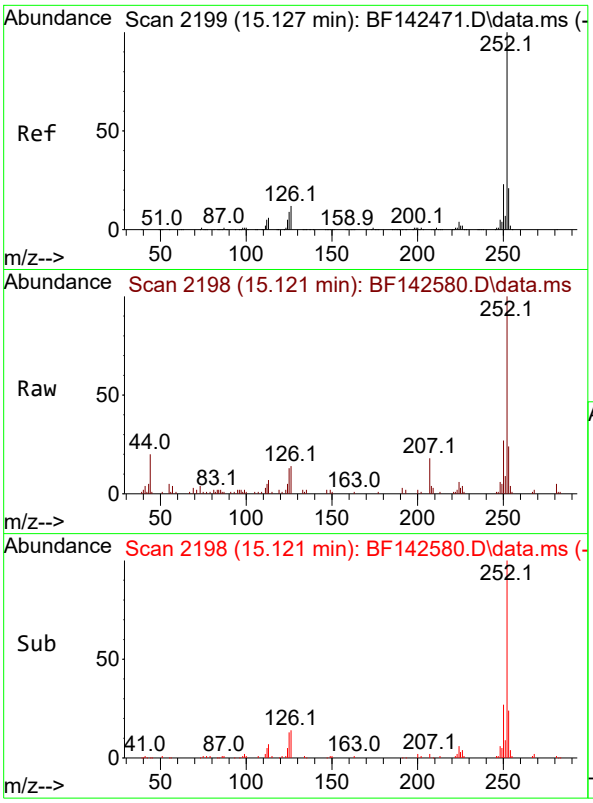


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.562 min Scan# 2273
Delta R.T. -0.006 min
Lab File: BF142580.D
Acq: 30 May 2025 20:14

Tgt Ion:264 Resp: 243865

Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.6	28.0
265	21.5	17.7	26.5



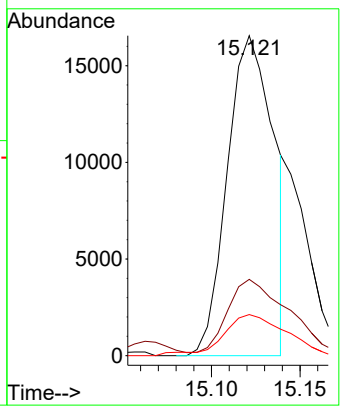


#88
Benzo(b)fluoranthene
Concen: 2.093 ng m
RT: 15.121 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142580.D
Acq: 30 May 2025 20:14

Instrument :
BNA_F
ClientSampleId :
TP-39

Tgt Ion:252 Resp: 30210

Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.0	25.4
125	12.9	7.4	11.0#



Sample Results: **BF142580.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053025\
Data File : BF142580.D
Acq On : 30 May 2025 20:14
Operator : RC/JU
Sample : Q2150-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-39

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-BF052025.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF142580.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.310	12	20	31	rBV2	33588	60128	1.64%	0.240%
2	2.410	31	37	44	rVB	88497	140598	3.84%	0.561%
3	4.004	299	308	316	rBV	27508	44396	1.21%	0.177%
4	5.122	487	498	507	rBV	225791	372705	10.18%	1.487%
5	5.387	538	543	548	rVB	42918	53795	1.47%	0.215%
6	5.516	556	565	571	rBV	2129479	3094571	84.54%	12.343%
7	6.522	726	736	741	rBV	2142221	3166768	86.51%	12.631%
8	6.722	765	770	776	rBV2	28795	37009	1.01%	0.148%
9	6.898	794	800	805	rBV	547254	693801	18.95%	2.767%
10	7.457	888	895	900	rBV	1469913	2021148	55.22%	8.061%
11	7.710	933	938	946	rVB	39662	52923	1.45%	0.211%
12	8.181	1012	1018	1032	rVB	709119	910743	24.88%	3.632%
13	9.257	1194	1201	1206	rBV	2780800	3660397	100.00%	14.599%
14	9.933	1311	1316	1328	rVB	807758	1003179	27.41%	4.001%
15	10.651	1432	1438	1445	rBV	268098	334321	9.13%	1.333%
16	10.727	1445	1451	1456	rBV	1776778	2335126	63.79%	9.314%
17	11.422	1564	1569	1578	rBV2	755144	1081310	29.54%	4.313%
18	11.498	1578	1582	1586	rVB	32386	40489	1.11%	0.161%
19	11.951	1650	1659	1670	rBV3	273057	465643	12.72%	1.857%
20	12.039	1670	1674	1682	rVB2	29559	58024	1.59%	0.231%
21	12.639	1771	1776	1781	rBV	115271	149091	4.07%	0.595%
22	12.733	1788	1792	1799	rBV	34064	51446	1.41%	0.205%
23	12.868	1808	1815	1819	rBV2	85115	127187	3.47%	0.507%
24	13.010	1833	1839	1845	rBV	2337381	3054203	83.44%	12.182%
25	13.192	1863	1870	1875	rBV2	19775	36865	1.01%	0.147%
26	13.904	1986	1991	2009	rVB	93928	177374	4.85%	0.707%
27	14.063	2010	2018	2030	rVB2	510537	986172	26.94%	3.933%
28	15.121	2193	2198	2206	rBV	44170	101833	2.78%	0.406%
29	15.492	2256	2261	2266	rBV	36639	55069	1.50%	0.220%
30	15.562	2266	2273	2285	rVV	412791	663248	18.12%	2.645%
31	17.062	2523	2528	2537	rVB2	19244	42728	1.17%	0.170%

Sum of corrected areas: 25072290

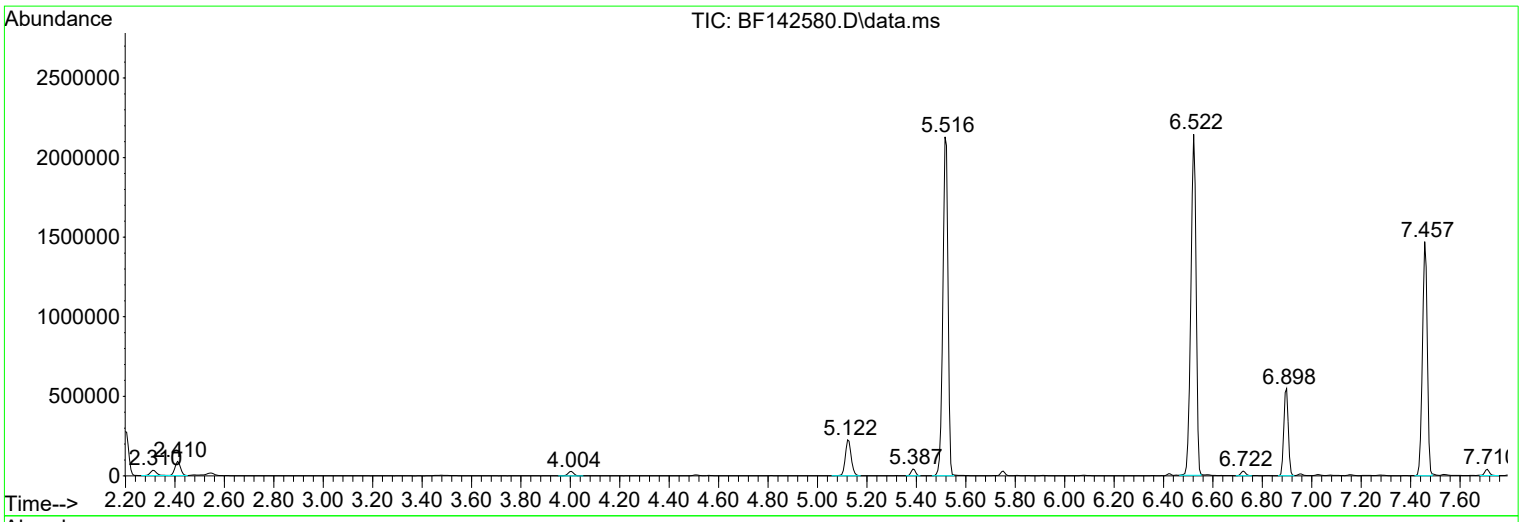
Sample Results: **BF142580.D**

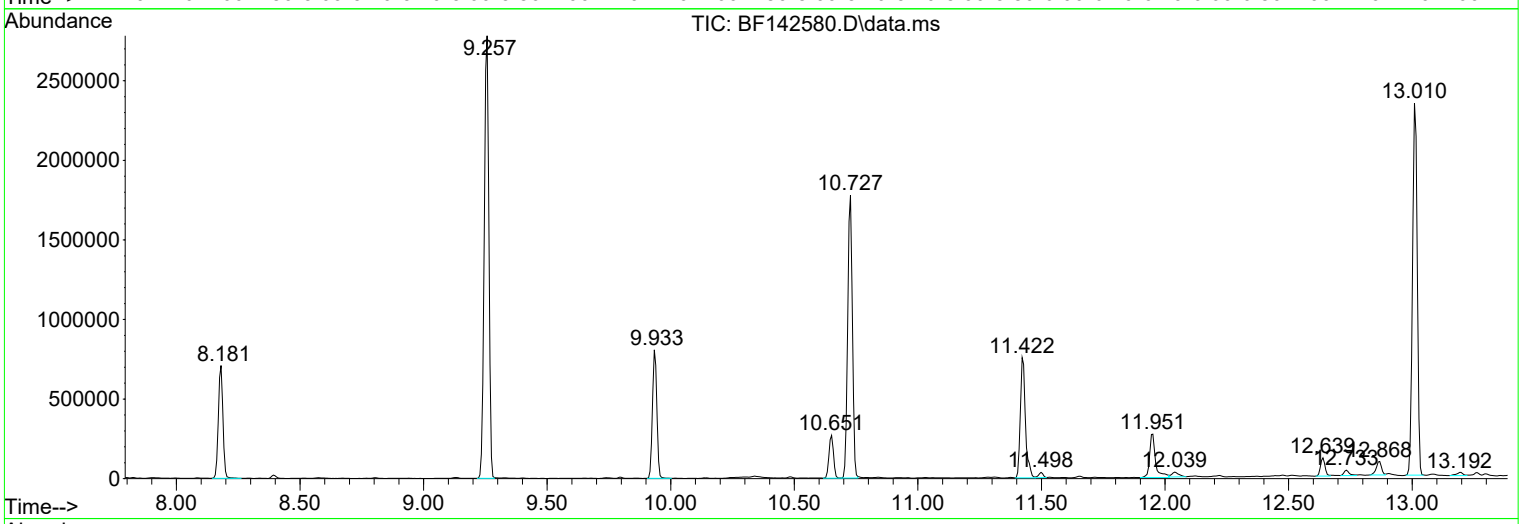
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053025\
Data File : BF142580.D
Acq On : 30 May 2025 20:14
Operator : RC/JU
Sample : Q2150-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

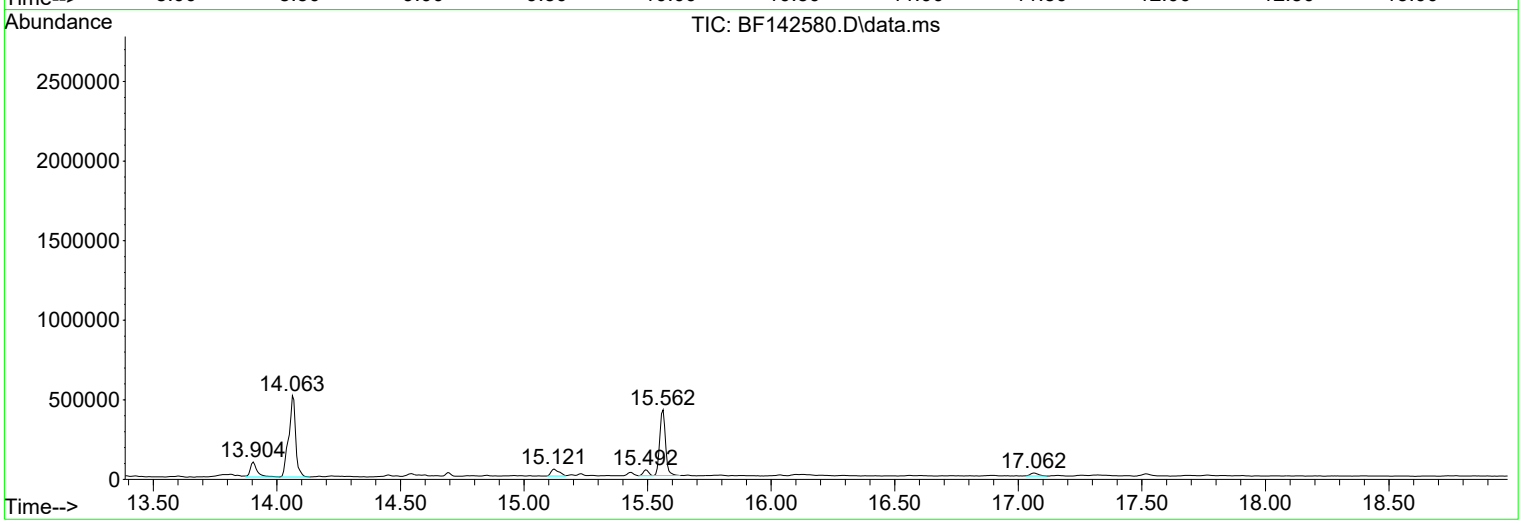
Instrument :
BNA_F
ClientSampleId :
TP-39

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.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\BF053025\
Data File : BF142580.D
Acq On : 30 May 2025 20:14
Operator : RC/JU
Sample : Q2150-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-39

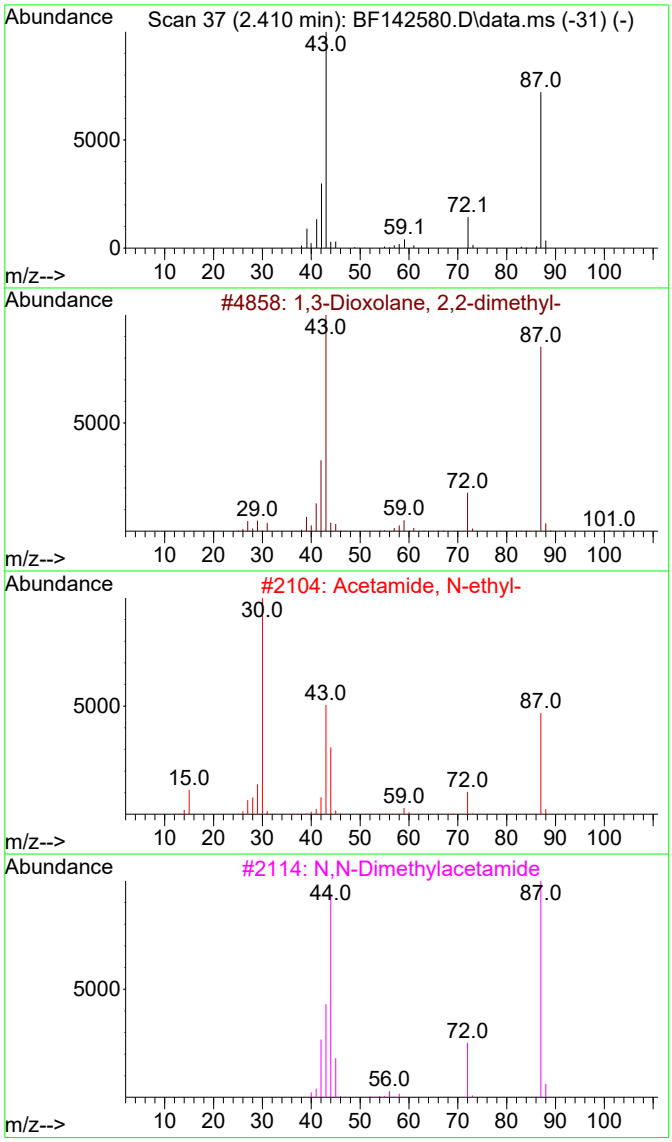
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

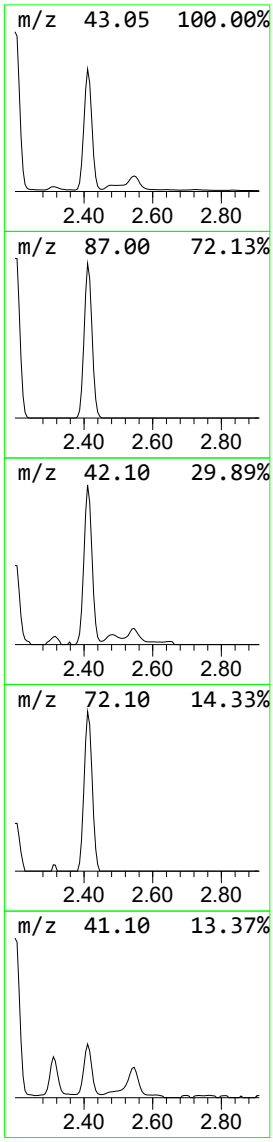
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 1,3-Dioxolane, 2,2-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.410	4.05 ng	140598	1,4-Dichlorobenzene-d4	6.898

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Dioxolane, 2,2-dimethyl-	102	C5H10O2	002916-31-6	90
2	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	64
3	N,N-Dimethylacetamide	87	C4H9NO	000127-19-5	47
4	2-Propanone, O-methyloxime	87	C4H9NO	003376-35-0	43
5	Ethanol, 2,2'-oxybis-, diacetate	190	C8H14O5	000628-68-2	38





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053025\
Data File : BF142580.D
Acq On : 30 May 2025 20:14
Operator : RC/JU
Sample : Q2150-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-39

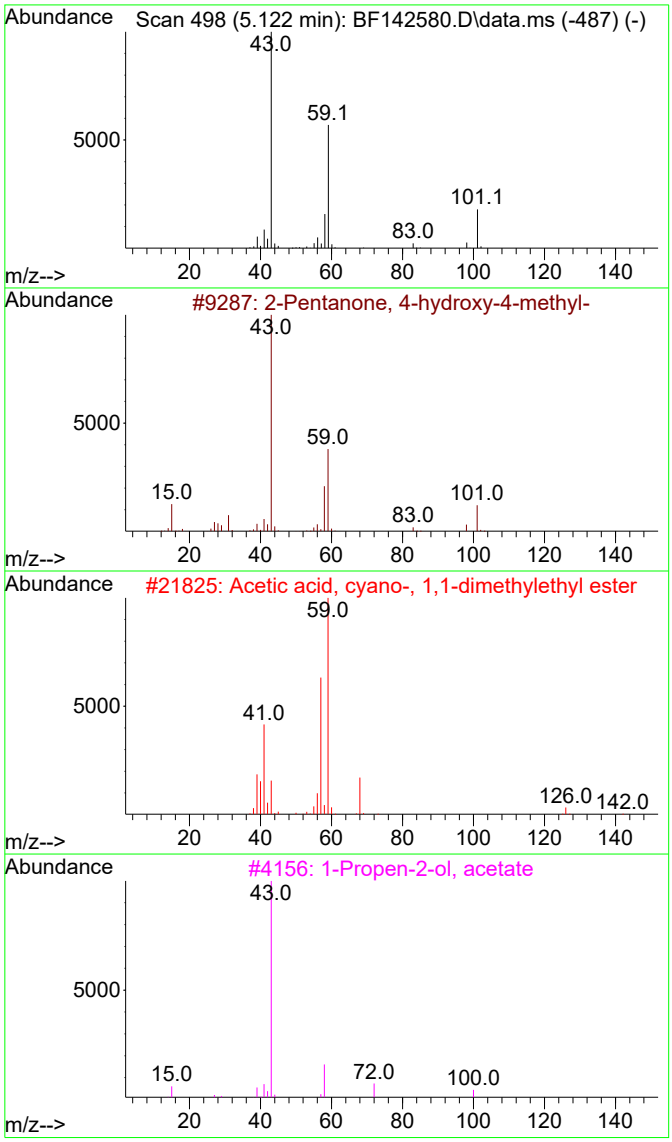
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

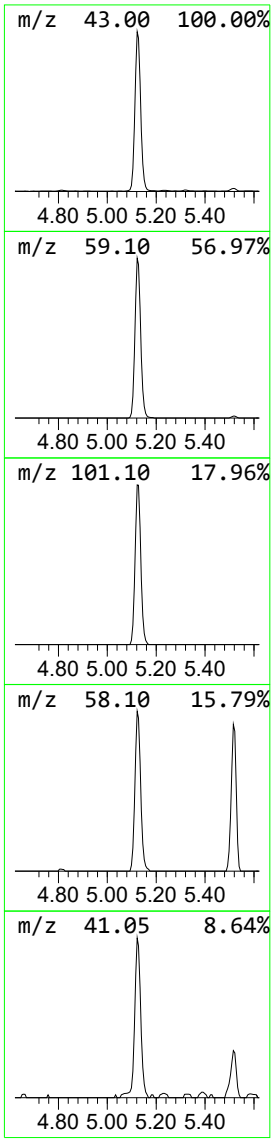
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.122	10.74 ng	372705	1,4-Dichlorobenzene-d4	6.898

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
3	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	12
4	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9
5	Ethanol, pentamethyl-	116	C7H16O	000594-83-2	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053025\
Data File : BF142580.D
Acq On : 30 May 2025 20:14
Operator : RC/JU
Sample : Q2150-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-39

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

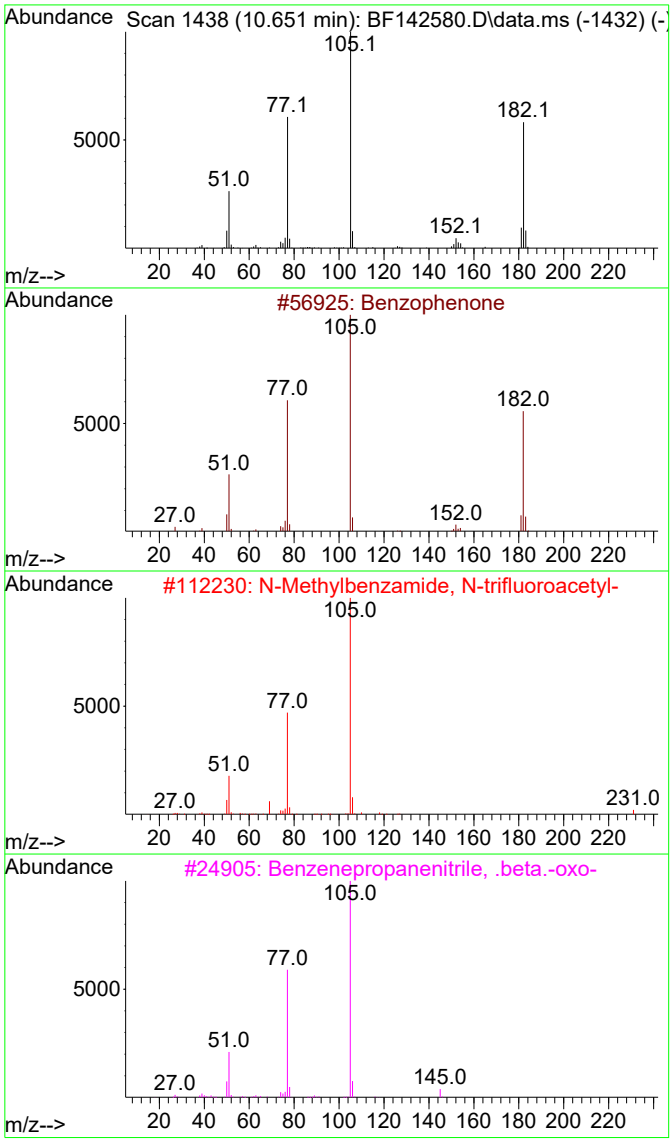
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

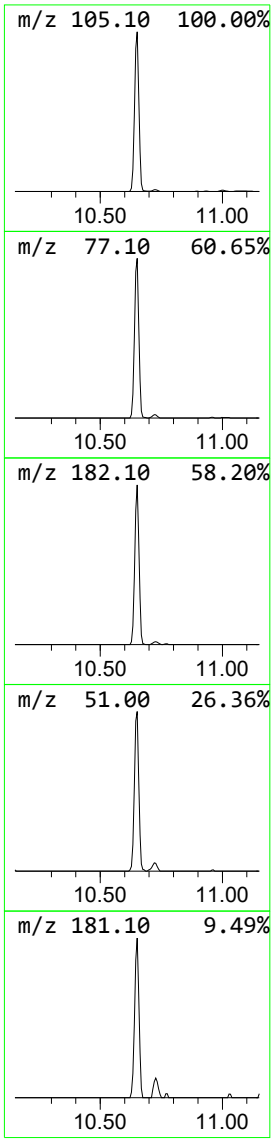
****

Peak Number 3 Benzophenone Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.651	6.67 ng	334321	Acenaphthene-d10	9.933

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	N-Methylbenzamide, N-trifluoroac...	231	C10H8F3NO2	1000446-91-5	47
3	Benzenepropanenitrile, .beta.-oxo-	145	C9H7NO	000614-16-4	47
4	Benzenebutanoic acid, .gamma.-oxo-	178	C10H10O3	002051-95-8	47
5	acetic acid, 2-bromo-, 2-oxo-2-p...	256	C10H9BrO3	1000401-50-0	47





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Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053025\
Data File : BF142580.D
Acq On    : 30 May 2025  20:14
Operator  : RC/JU
Sample    : Q2150-03
Misc      :
ALS Vial  : 16   Sample Multiplier: 1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title  : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

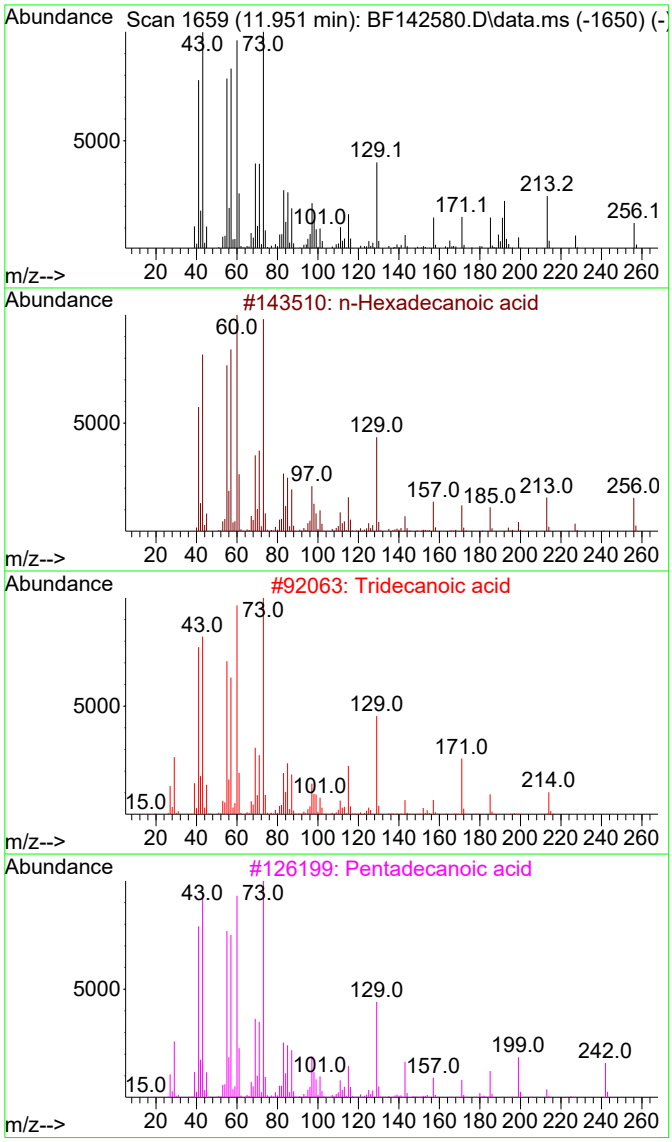
Instrument : BNA_F
ClientSampleId : TP-39

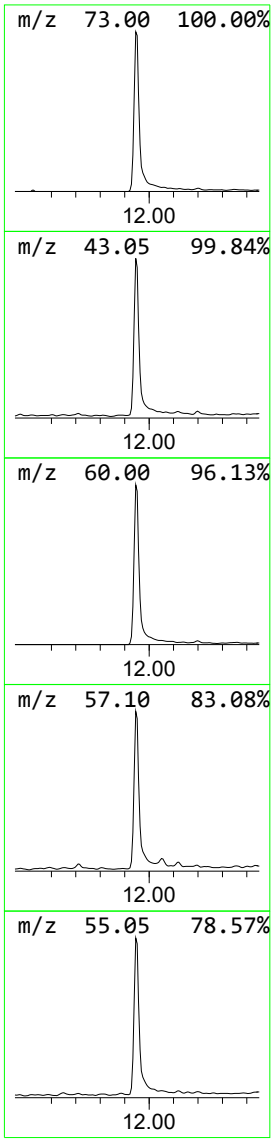
****

Peak Number 4 n-Hexadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.951	8.61 ng	465643	Phenanthrene-d10	11.422

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	91
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	90
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	74
5	n-Decanoic acid	172	C10H20O2	000334-48-5	60





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053025\
Data File : BF142580.D
Acq On : 30 May 2025 20:14
Operator : RC/JU
Sample : Q2150-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-39

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

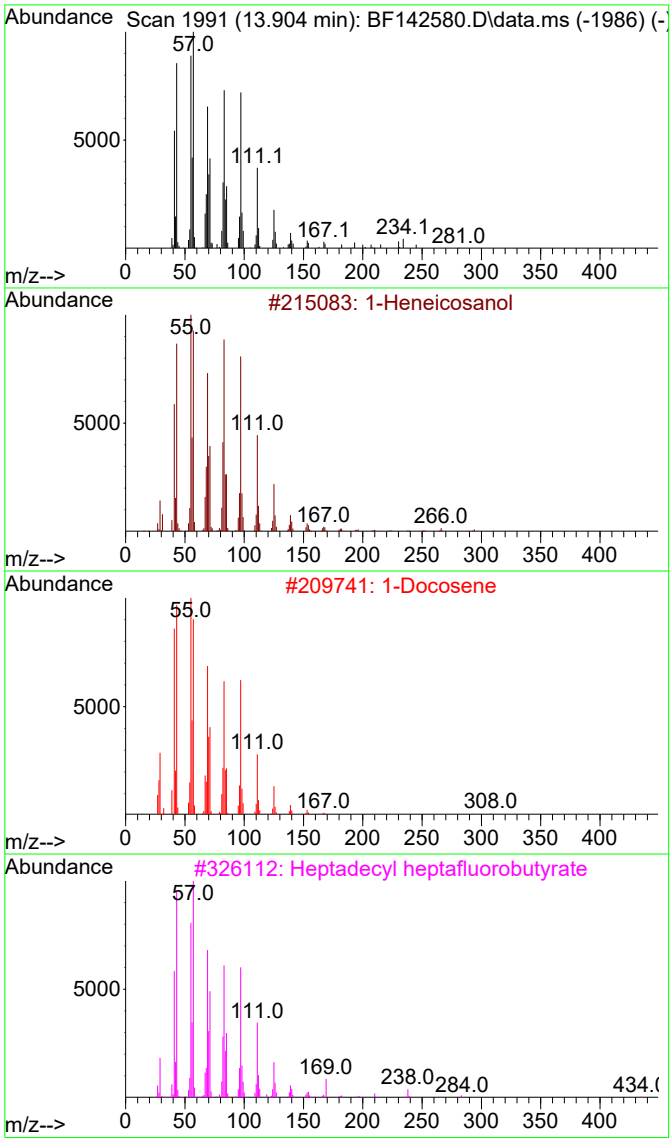
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

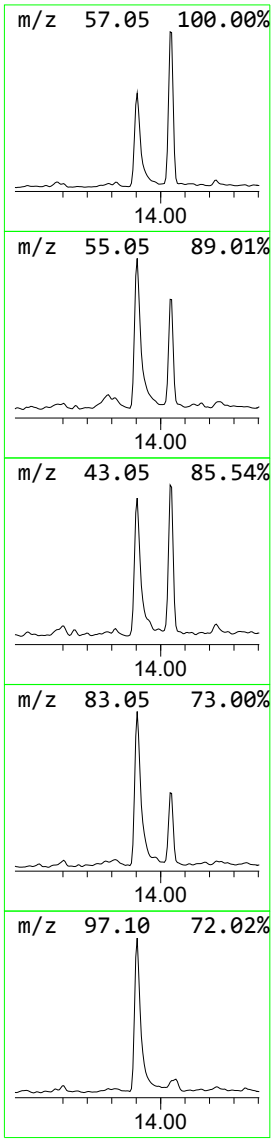
****

Peak Number 5 1-Heneicosanol Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.904	3.60 ng	177374	Chrysene-d12	14.068

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Heneicosanol	312	C21H44O	015594-90-8	95
2	1-Docosene	308	C22H44	001599-67-3	94
3	Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	94
4	Octadecyl trifluoroacetate	366	C20H37F3O2	079392-43-1	94
5	n-Tetracosanol-1	354	C24H50O	000506-51-4	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053025\
Data File : BF142580.D
Acq On : 30 May 2025 20:14
Operator : RC/JU
Sample : Q2150-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-39

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.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
1,3-Dioxolane, ...	2.410	4.0	ng	140598	1	6.898	693801	20.0
2-Pentanone, 4-...	5.122	10.7	ng	372705	1	6.898	693801	20.0
Benzophenone	10.651	6.7	ng	334321	3	9.933	1003180	20.0
n-Hexadecanoic ...	11.951	8.6	ng	465643	4	11.422	1081310	20.0
1-Heneicosanol	13.904	3.6	ng	177374	5	14.068	986172	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053025\
Data File : BF142581.D
Acq On : 30 May 2025 20:43
Operator : RC/JU
Sample : Q2150-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-48

Quant Time: May 30 22:29:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration

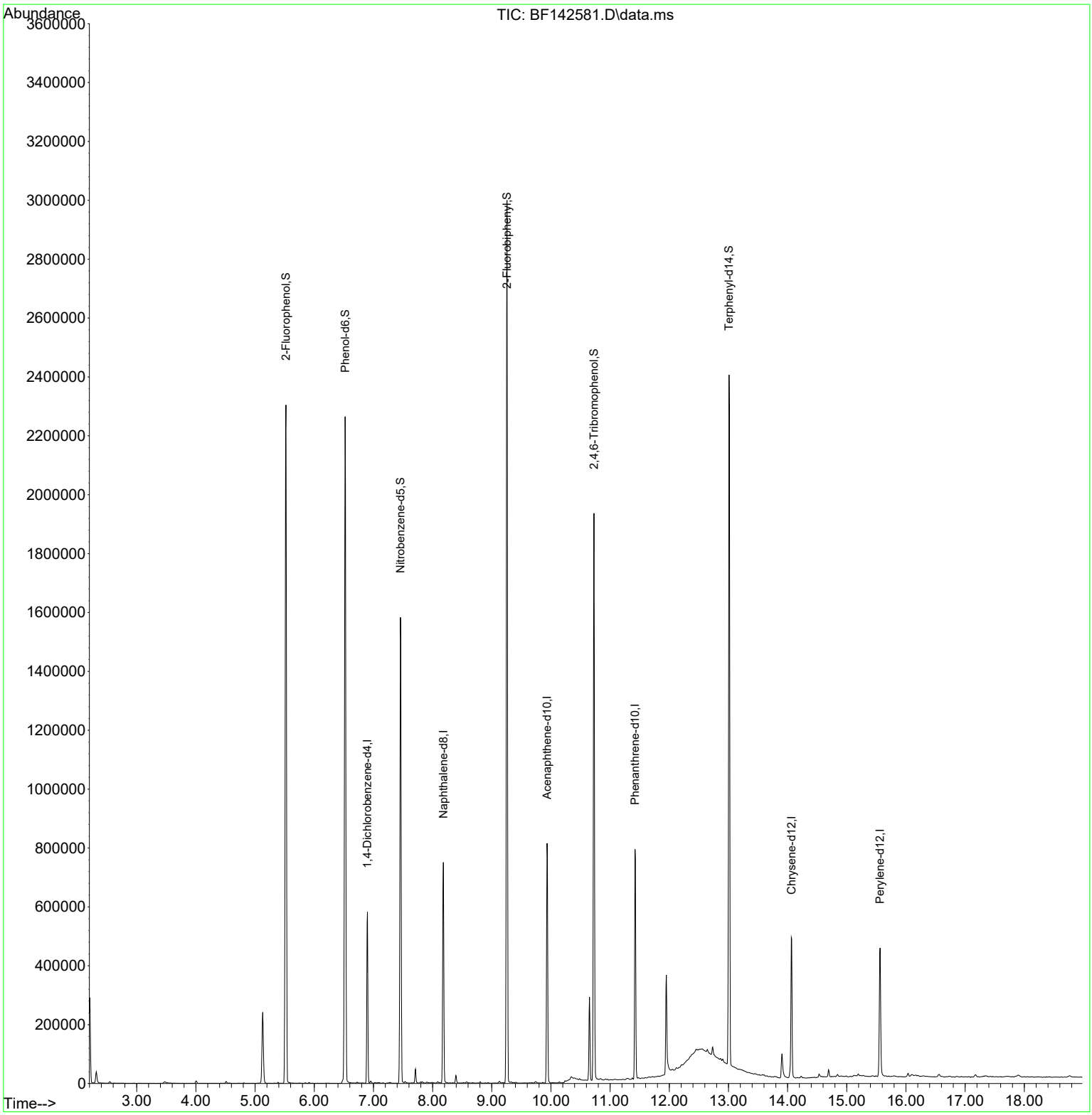
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	128466	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	478682	20.000	ng	0.00
39) Acenaphthene-d10	9.933	164	251559	20.000	ng	-0.01
64) Phenanthrene-d10	11.421	188	419835	20.000	ng	-0.01
76) Chrysene-d12	14.068	240	239865	20.000	ng	0.00
86) Perylene-d12	15.562	264	260798	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	973305	127.643	ng	0.00
7) Phenol-d6	6.522	99	1194091	130.091	ng	-0.01
23) Nitrobenzene-d5	7.457	82	728299	82.964	ng	-0.02
42) 2,4,6-Tribromophenol	10.727	330	357324	127.982	ng	-0.01
45) 2-Fluorobiphenyl	9.257	172	1386957	73.983	ng	-0.01
79) Terphenyl-d14	13.010	244	1184744	67.497	ng	0.00
Target Compounds						Qvalue

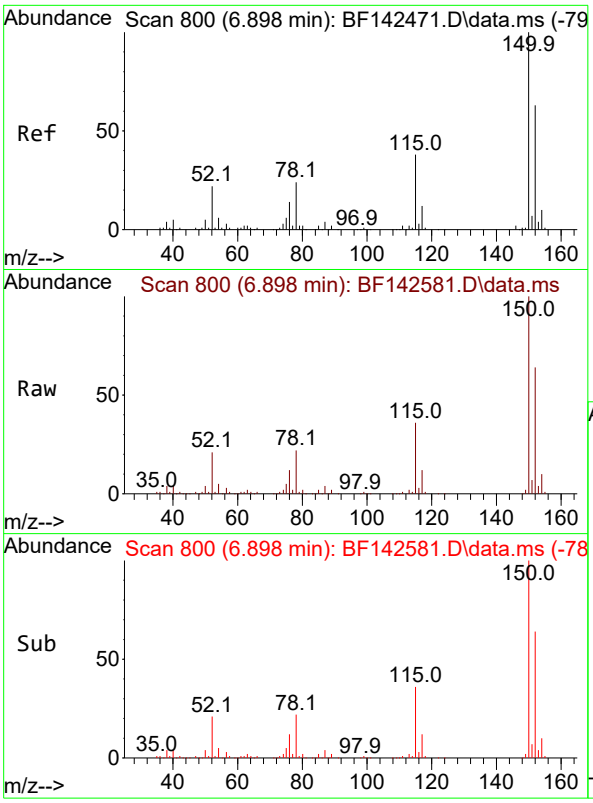
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053025\
Data File : BF142581.D
Acq On : 30 May 2025 20:43
Operator : RC/JU
Sample : Q2150-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-48

Quant Time: May 30 22:29:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration



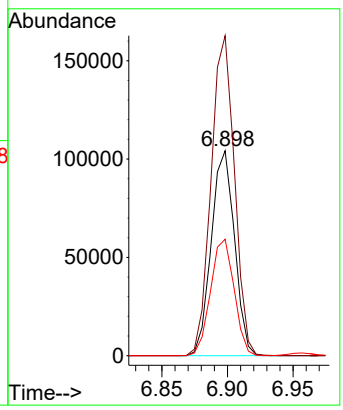


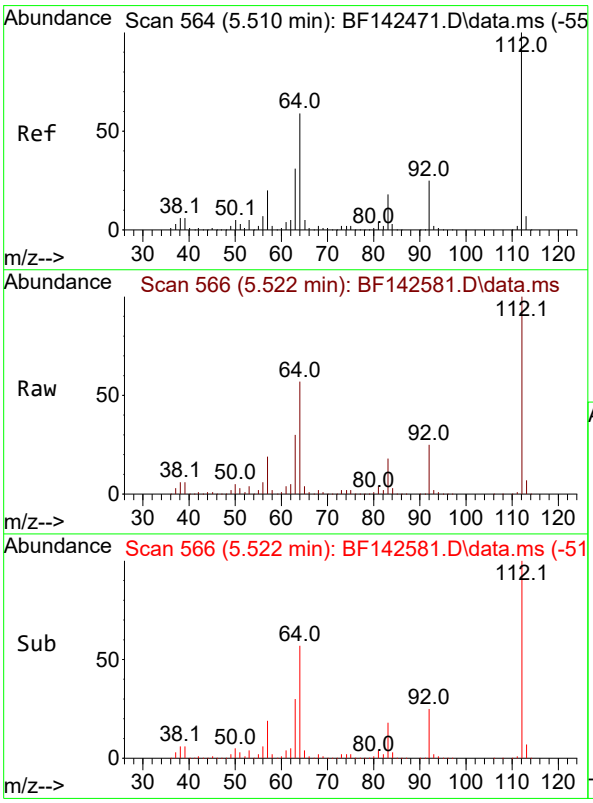
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142581.D
Acq: 30 May 2025 20:43

Instrument :
BNA_F
ClientSampleId :
TP-48

Tgt Ion:152 Resp: 128466

Ion	Ratio	Lower	Upper
152	100		
150	156.1	128.2	192.4
115	56.8	48.3	72.5

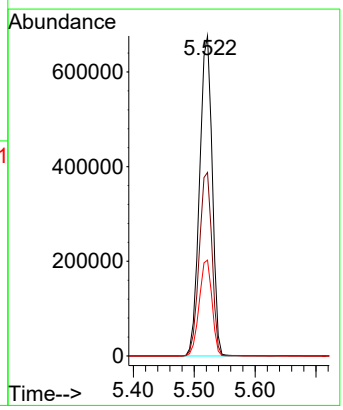


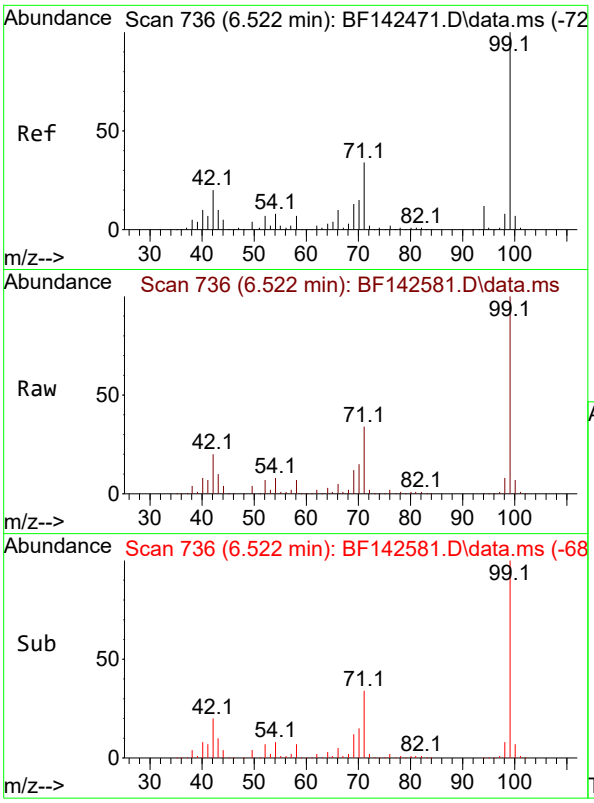


#5
2-Fluorophenol
Concen: 127.643 ng
RT: 5.522 min Scan# 566
Delta R.T. 0.006 min
Lab File: BF142581.D
Acq: 30 May 2025 20:43

Tgt Ion:112 Resp: 973305

Ion	Ratio	Lower	Upper
112	100		
64	57.3	47.5	71.3
63	30.0	24.9	37.3



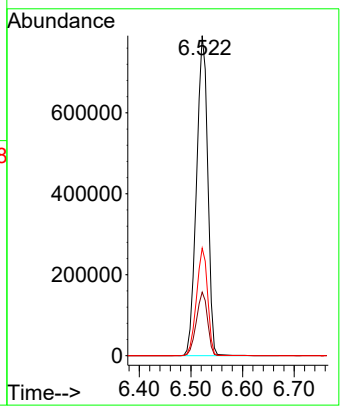


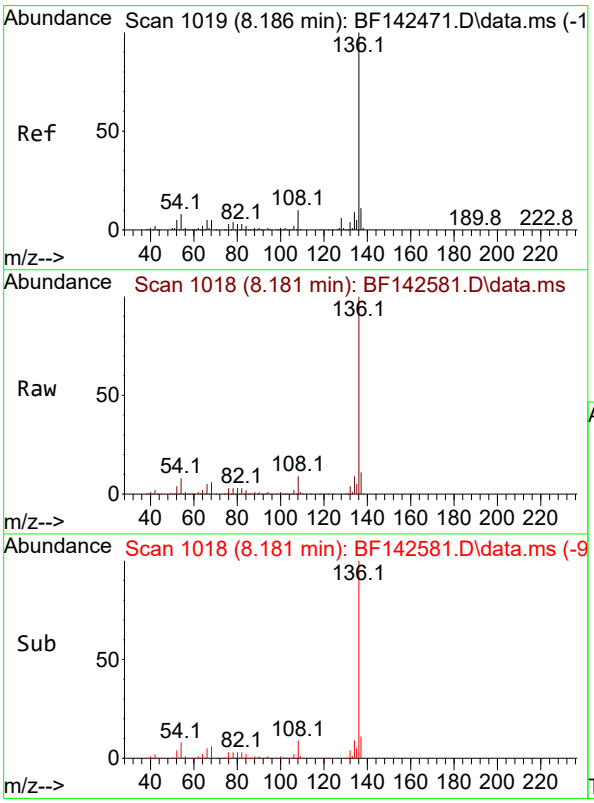
#7
Phenol-d6
Concen: 130.091 ng
RT: 6.522 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF142581.D
Acq: 30 May 2025 20:43

Instrument :
BNA_F
ClientSampleId :
TP-48

Tgt Ion: 99 Resp: 1194091

Ion	Ratio	Lower	Upper
99	100		
42	19.8	16.2	24.2
71	33.6	27.3	40.9

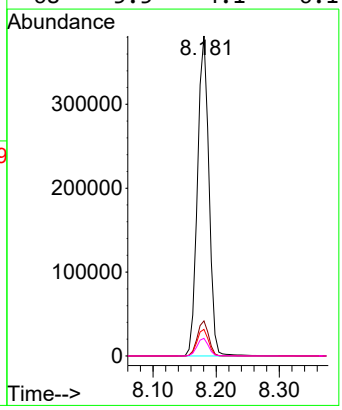


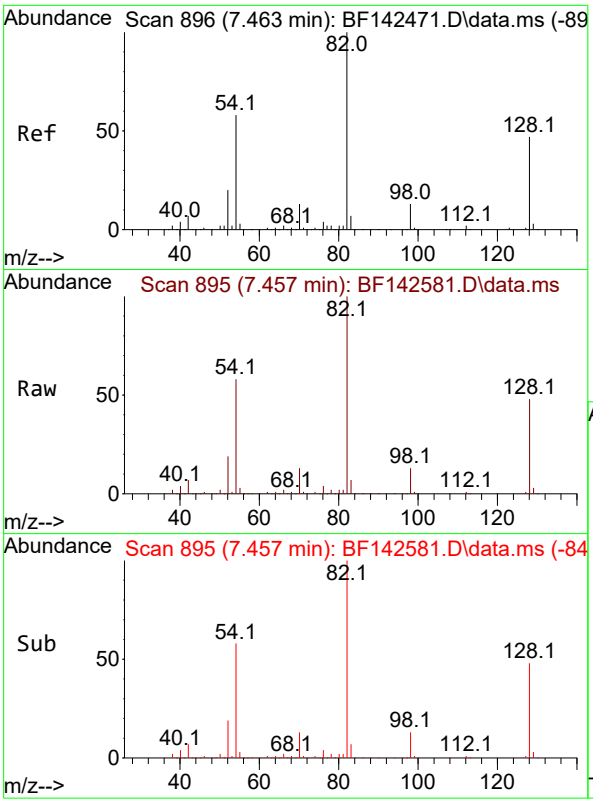


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF142581.D
Acq: 30 May 2025 20:43

Tgt Ion:136 Resp: 478682

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	8.3	6.6	10.0
68	5.5	4.1	6.1



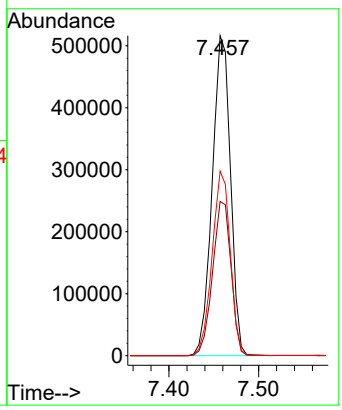


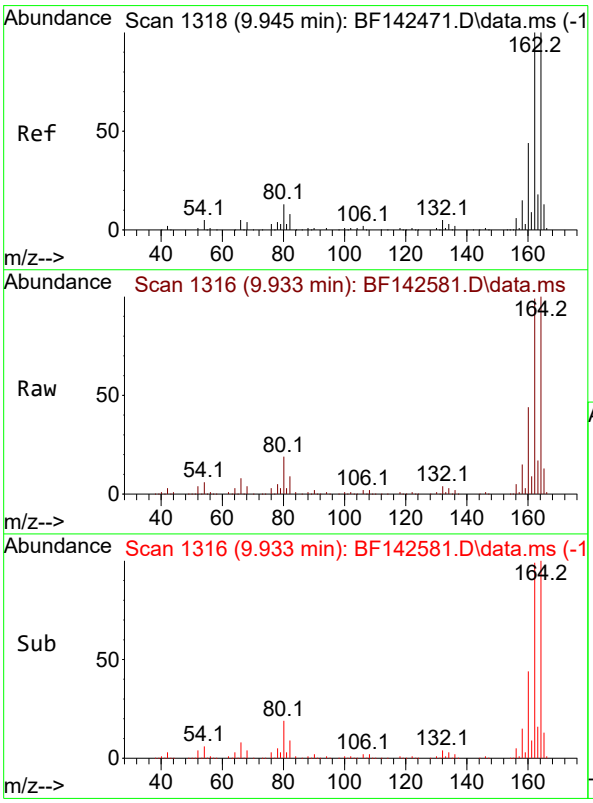
#23
Nitrobenzene-d5
Concen: 82.964 ng
RT: 7.457 min Scan# 8
Delta R.T. -0.018 min
Lab File: BF142581.D
Acq: 30 May 2025 20:43

Instrument :
BNA_F
ClientSampleId :
TP-48

Tgt Ion: 82 Resp: 728299

Ion	Ratio	Lower	Upper
82	100		
128	48.2	37.4	56.2
54	57.6	46.6	70.0

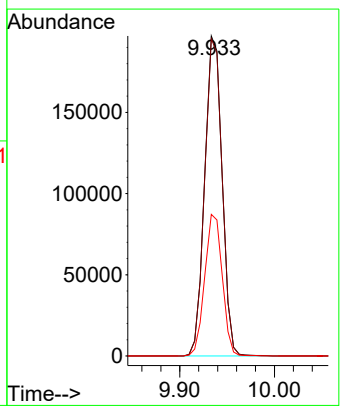


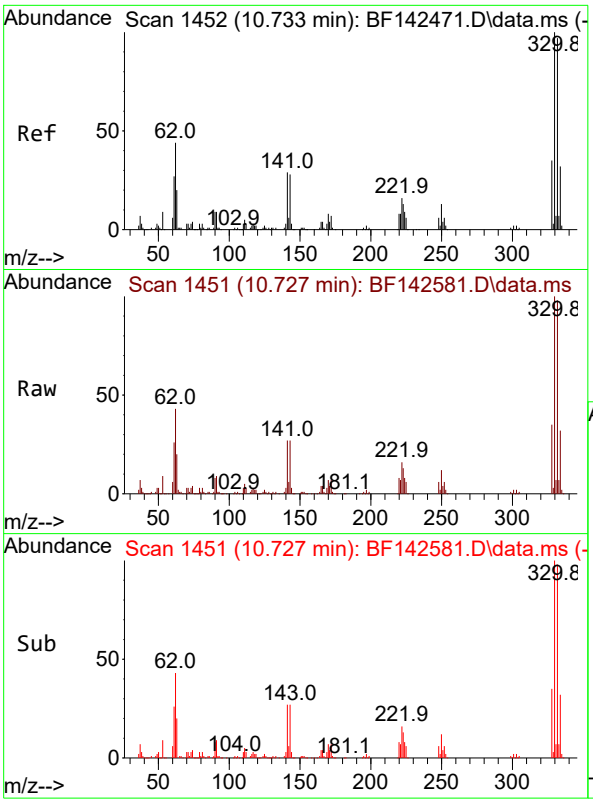


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.933 min Scan# 1316
Delta R.T. -0.012 min
Lab File: BF142581.D
Acq: 30 May 2025 20:43

Tgt Ion:164 Resp: 251559

Ion	Ratio	Lower	Upper
164	100		
162	99.1	80.2	120.4
160	44.3	35.6	53.4



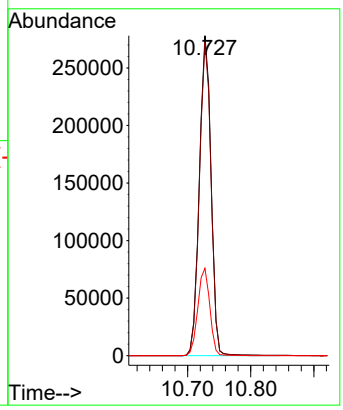


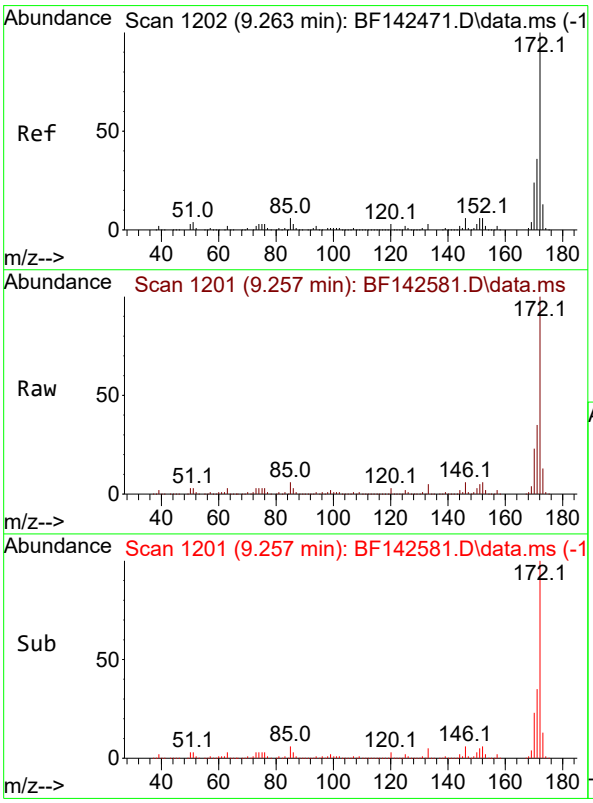
#42
2,4,6-Tribromophenol
Concen: 127.982 ng
RT: 10.727 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF142581.D
Acq: 30 May 2025 20:43

Instrument :
BNA_F
ClientSampleId :
TP-48

Tgt Ion:330 Resp: 357324

Ion	Ratio	Lower	Upper
330	100		
332	97.9	77.6	116.4
141	28.0	24.6	36.8

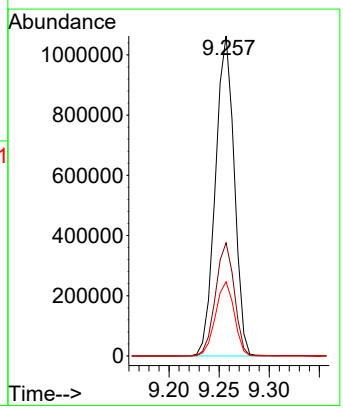


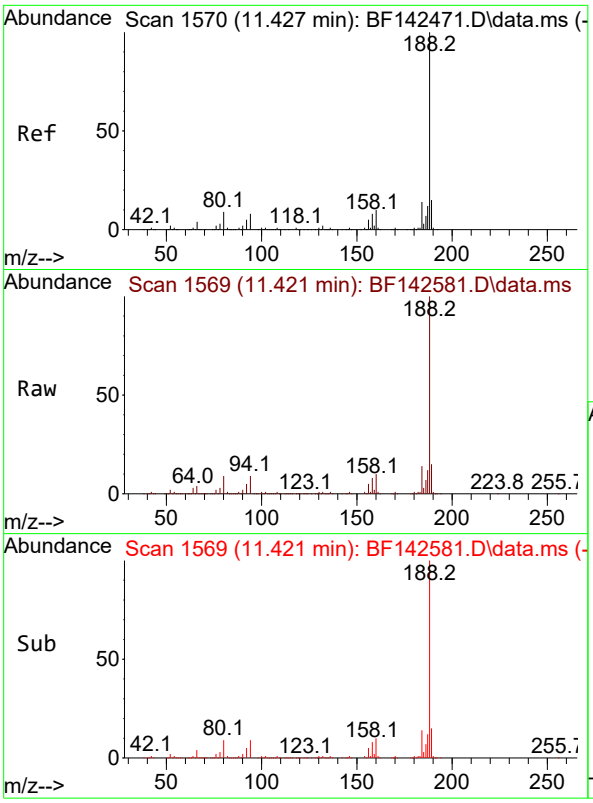


#45
2-Fluorobiphenyl
Concen: 73.983 ng
RT: 9.257 min Scan# 1201
Delta R.T. -0.012 min
Lab File: BF142581.D
Acq: 30 May 2025 20:43

Tgt Ion:172 Resp: 1386957

Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.6	42.8
170	23.2	18.9	28.3



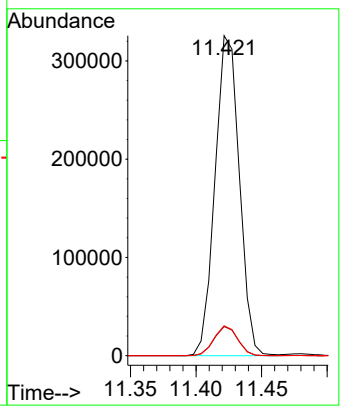


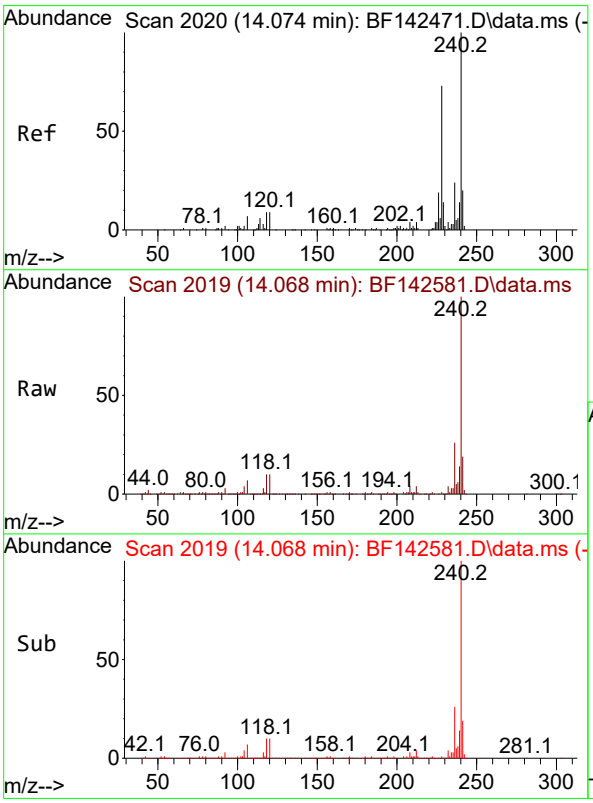
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.421 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142581.D
Acq: 30 May 2025 20:43

Instrument :
BNA_F
ClientSampleId :
TP-48

Tgt Ion:188 Resp: 419835

Ion	Ratio	Lower	Upper
188	100		
94	9.1	6.6	10.0
80	9.4	7.4	11.0

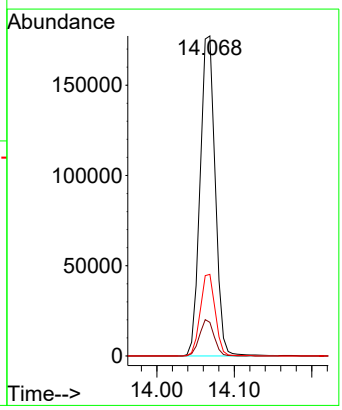


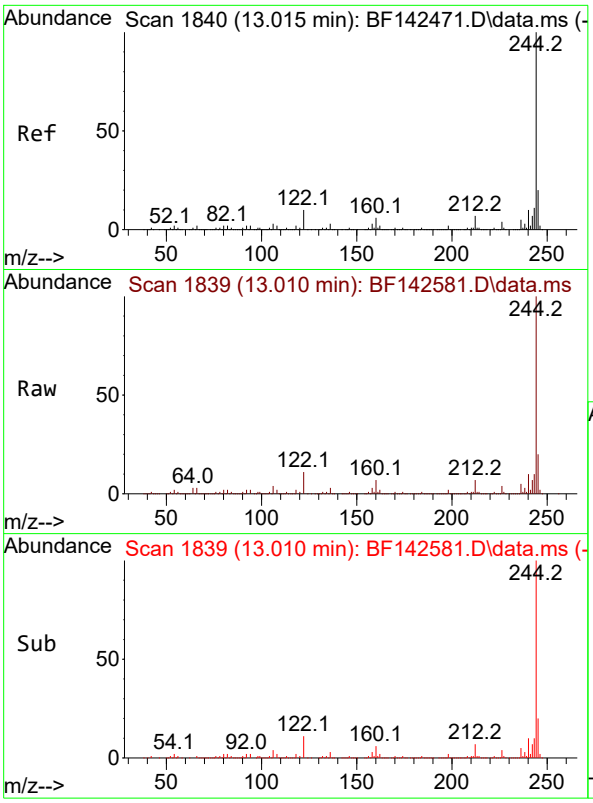


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.068 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF142581.D
Acq: 30 May 2025 20:43

Tgt Ion:240 Resp: 239865

Ion	Ratio	Lower	Upper
240	100		
120	10.5	7.5	11.3
236	25.5	19.6	29.4



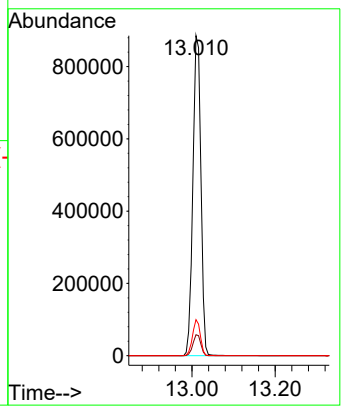


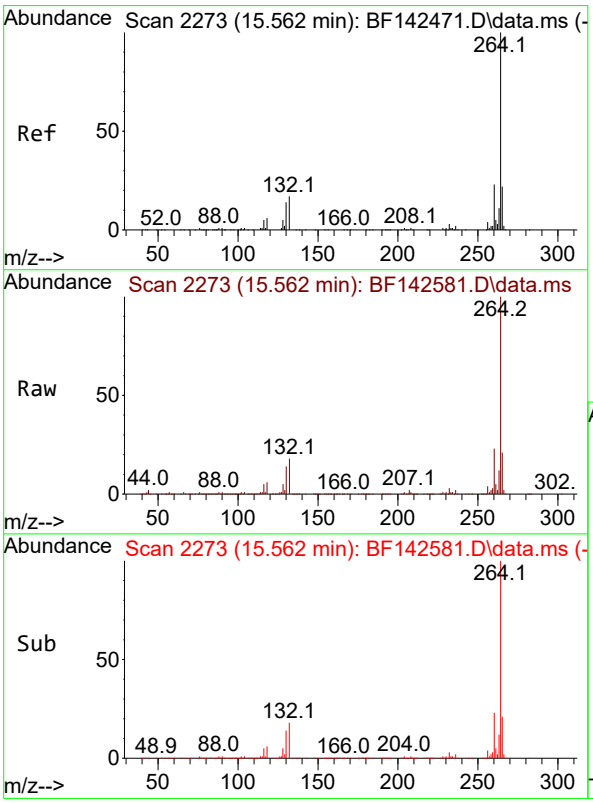
#79
Terphenyl-d14
Concen: 67.497 ng
RT: 13.010 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142581.D
Acq: 30 May 2025 20:43

Instrument :
BNA_F
ClientSampleId :
TP-48

Tgt Ion:244 Resp: 1184744

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.3	7.9
122	11.2	8.2	12.2

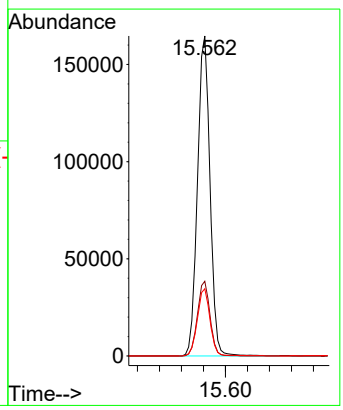




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.562 min Scan# 2273
Delta R.T. -0.006 min
Lab File: BF142581.D
Acq: 30 May 2025 20:43

Tgt Ion:264 Resp: 260798

Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.6	28.0
265	21.0	17.7	26.5



Sample Results: **BF142581.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053025\
Data File : BF142581.D
Acq On : 30 May 2025 20:43
Operator : RC/JU
Sample : Q2150-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-48

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-BF052025.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF142581.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.316	15	21	30	rVB2	38154	64036	1.64%	0.255%
2	5.128	489	499	512	rBV	241088	403121	10.31%	1.603%
3	5.522	559	566	571	rBV	2303653	3331907	85.23%	13.249%
4	6.522	729	736	742	rVB	2257320	3400334	86.98%	13.521%
5	6.898	794	800	805	rBV	581292	728417	18.63%	2.896%
6	7.457	888	895	901	rBV	1582513	2233089	57.12%	8.879%
7	7.710	933	938	949	rVB	46550	59356	1.52%	0.236%
8	8.181	1012	1018	1035	rVB	749614	942941	24.12%	3.749%
9	9.257	1194	1201	1206	rBV	2998857	3909208	100.00%	15.544%
10	9.933	1311	1316	1327	rBV	813874	1042063	26.66%	4.144%
11	10.651	1433	1438	1445	rVB	282618	349242	8.93%	1.389%
12	10.727	1445	1451	1456	rBV	1926228	2496703	63.87%	9.928%
13	11.421	1564	1569	1576	rBV	780561	1013025	25.91%	4.028%
14	11.951	1654	1659	1671	rBV	337931	524586	13.42%	2.086%
15	13.010	1834	1839	1845	rVB	2344237	3099718	79.29%	12.325%
16	13.904	1986	1991	2009	rBV	82090	152440	3.90%	0.606%
17	14.062	2010	2018	2030	rVB	478064	685497	17.54%	2.726%
18	15.562	2266	2273	2287	rBV	436763	713201	18.24%	2.836%

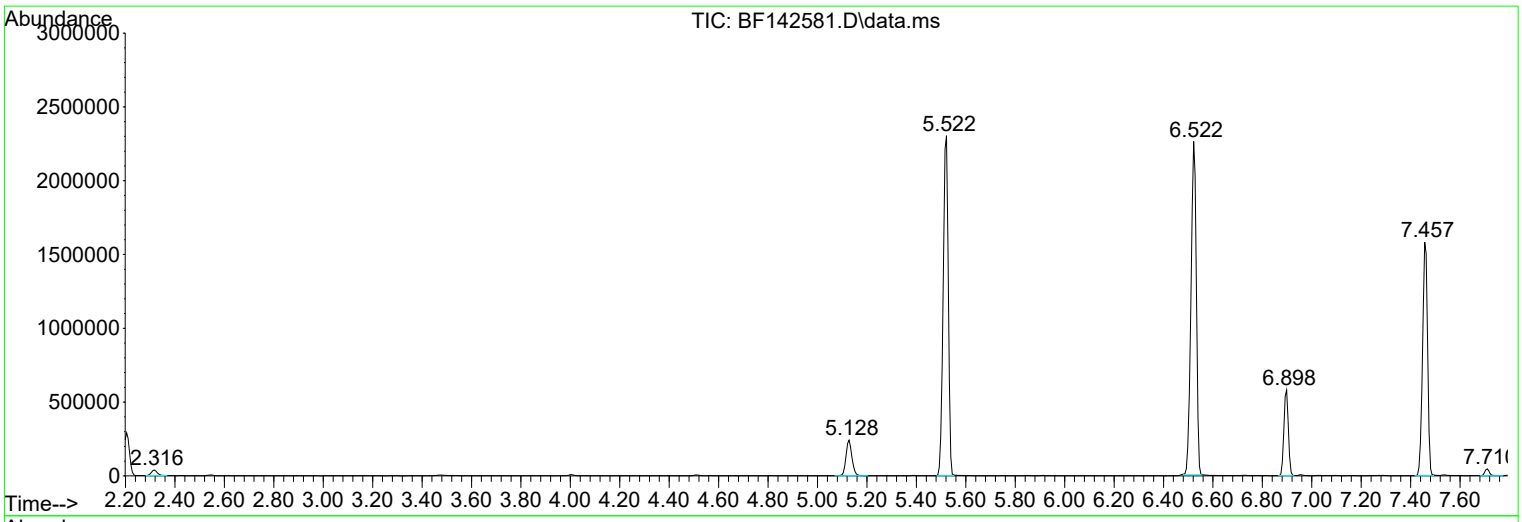
Sum of corrected areas: 25148884

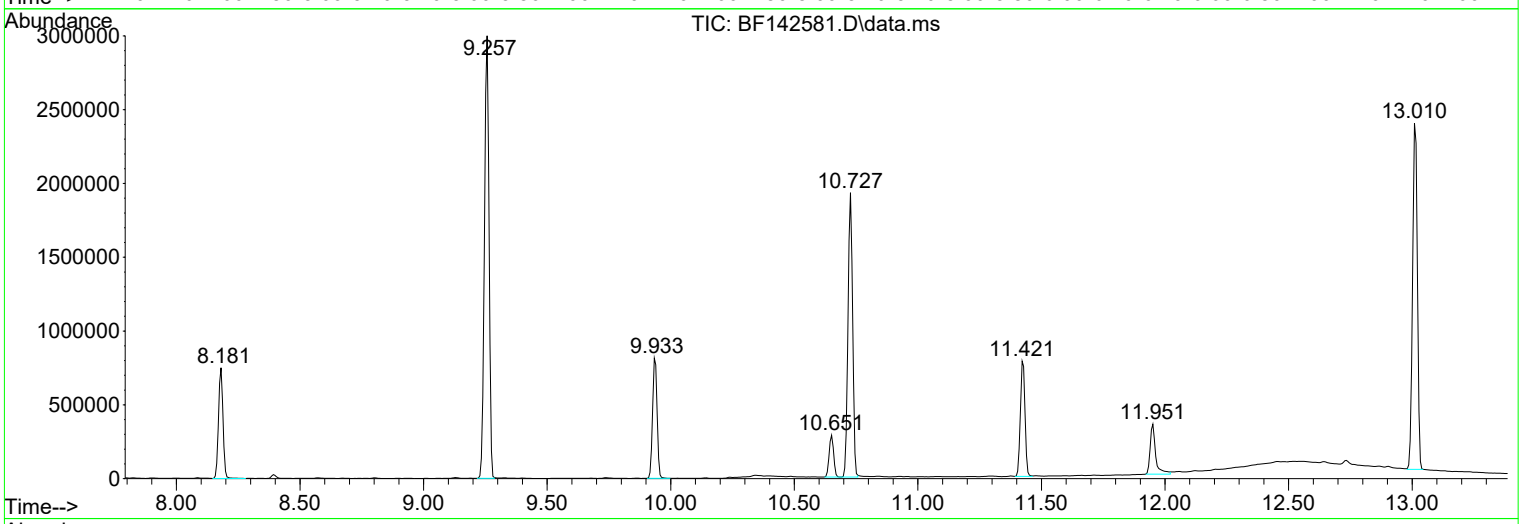
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053025\
Data File : BF142581.D
Acq On : 30 May 2025 20:43
Operator : RC/JU
Sample : Q2150-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

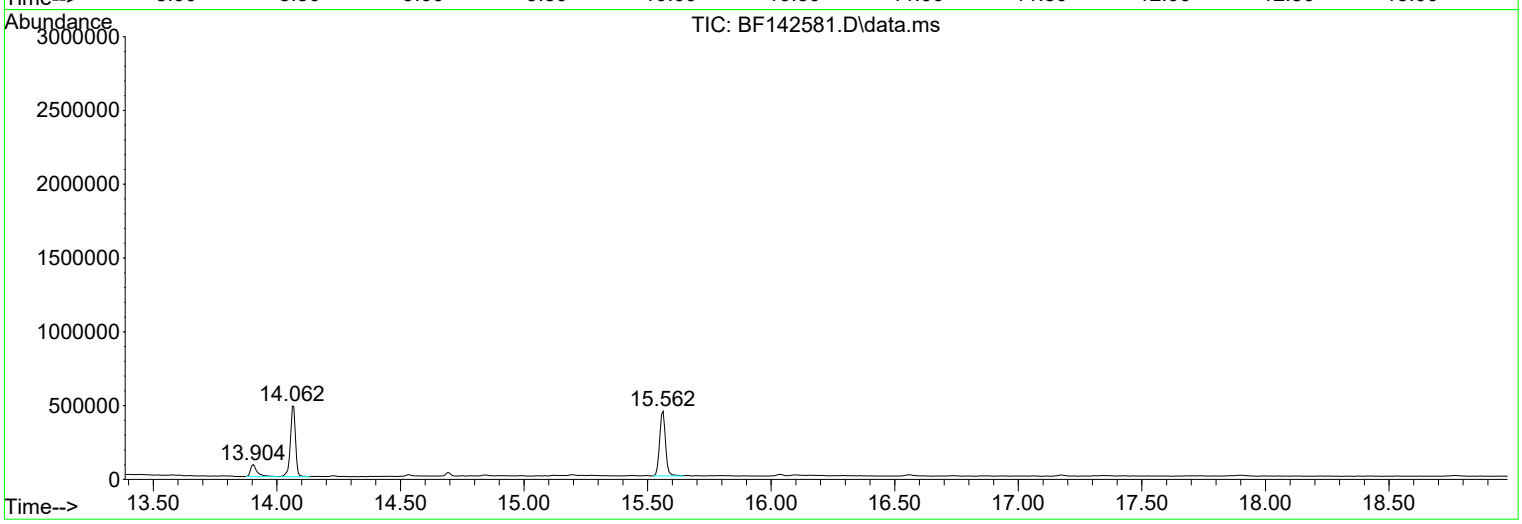
Instrument :
BNA_F
ClientSampleId :
TP-48

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.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\BF053025\
Data File : BF142581.D
Acq On : 30 May 2025 20:43
Operator : RC/JU
Sample : Q2150-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-48

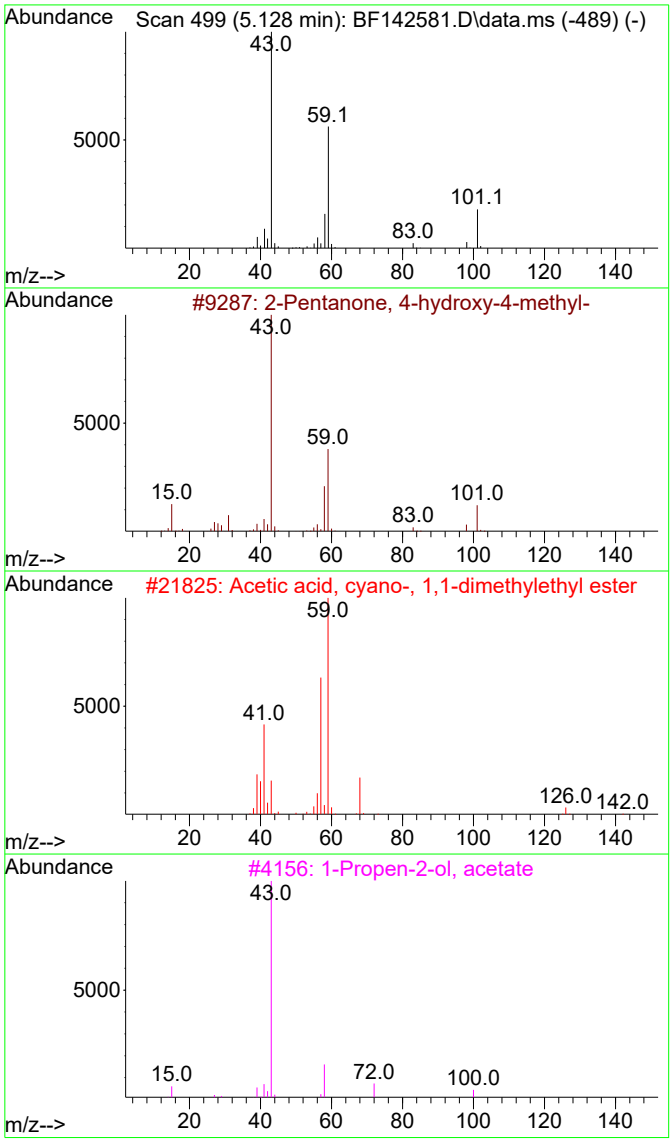
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

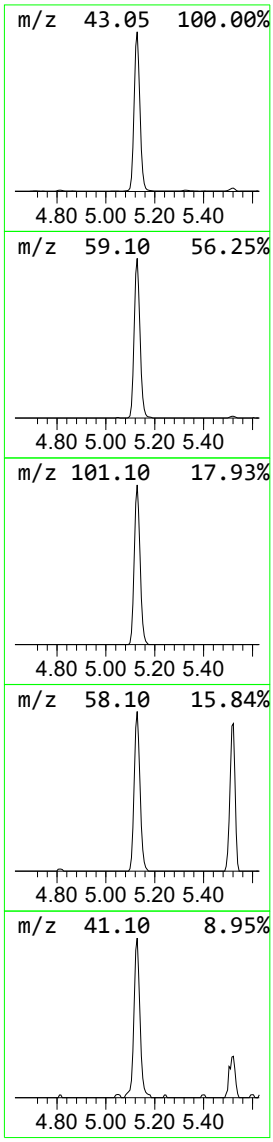
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.128	11.07 ng	403121	1,4-Dichlorobenzene-d4	6.898

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
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-Propanone, 1-(1-methylethoxy)-	116	C6H12O2	042781-12-4	9
5	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053025\
Data File : BF142581.D
Acq On : 30 May 2025 20:43
Operator : RC/JU
Sample : Q2150-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-48

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

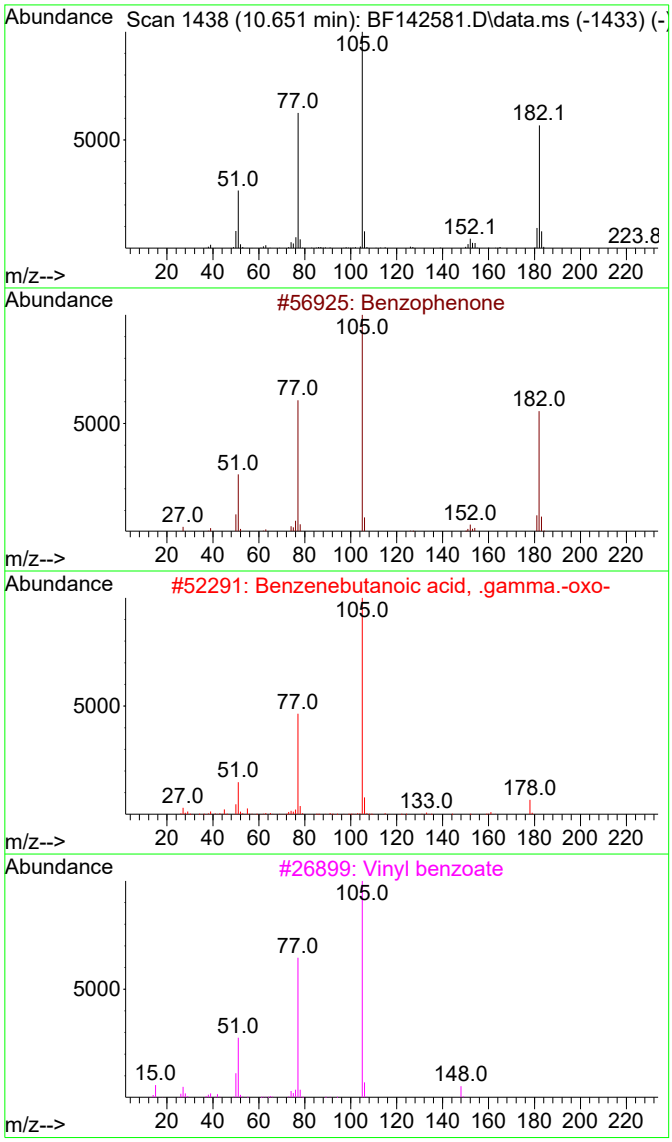
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

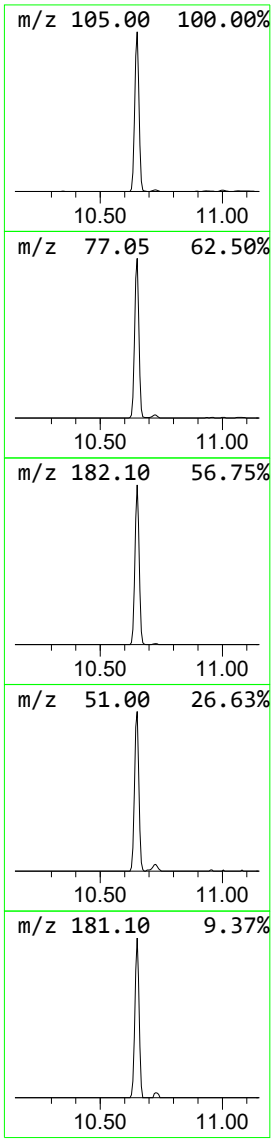
****

Peak Number 2 Benzophenone Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.651	6.70 ng	349242	Acenaphthene-d10	9.933

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	Benzenebutanoic acid, .gamma.-oxo-	178	C10H10O3	002051-95-8	47
3	Vinyl benzoate	148	C9H8O2	000769-78-8	47
4	2-Benzoyl-4-bromo-5-methyl-1,2-o...	281	C11H8BrNO3	1000444-92-3	47
5	N-Methoxy-N-methylbenzamide	165	C9H11NO2	006919-61-5	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053025\
Data File : BF142581.D
Acq On : 30 May 2025 20:43
Operator : RC/JU
Sample : Q2150-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-48

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

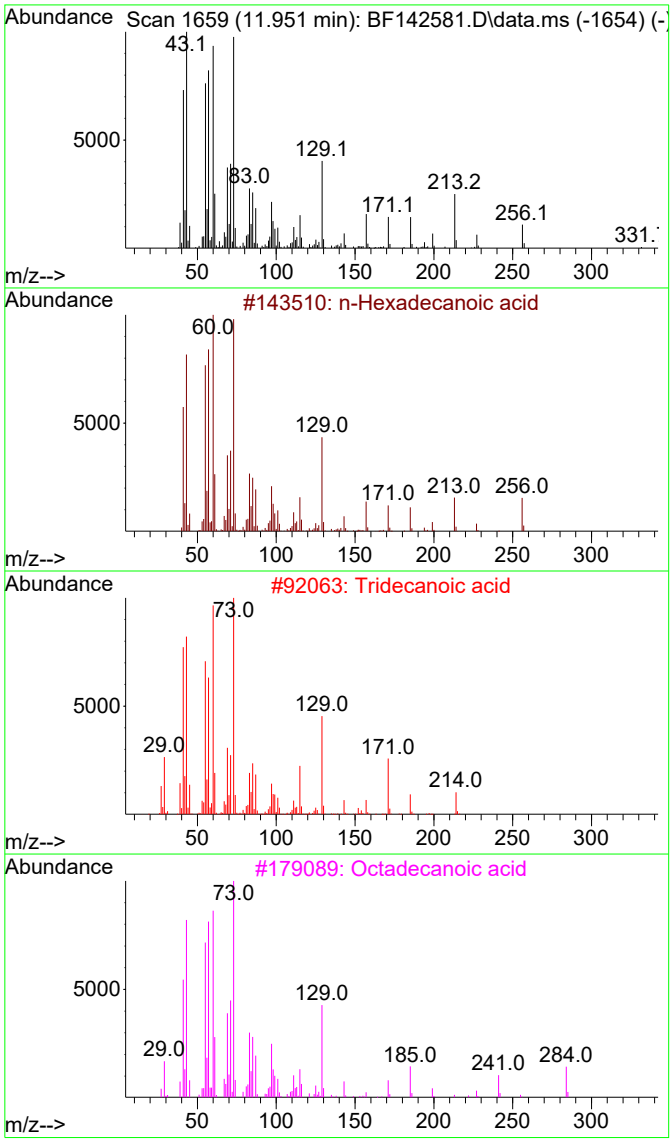
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

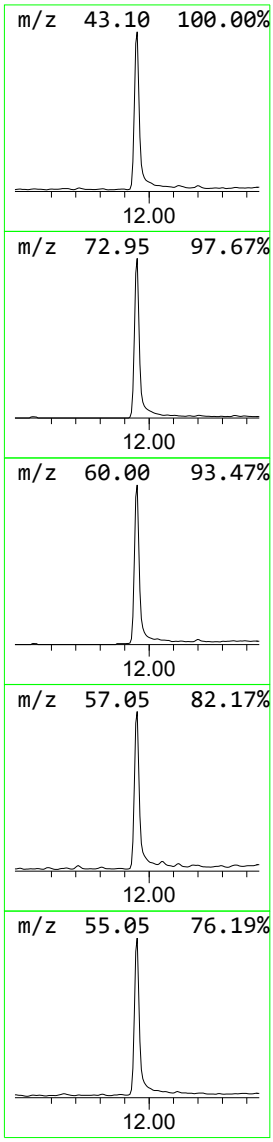
****

Peak Number 3 n-Hexadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.951	10.36 ng	524586	Phenanthrene-d10	11.422

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	Octadecanoic acid	284	C18H36O2	000057-11-4	93
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	91
5	Tetradecanoic acid	228	C14H28O2	000544-63-8	83





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053025\
Data File : BF142581.D
Acq On : 30 May 2025 20:43
Operator : RC/JU
Sample : Q2150-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-48

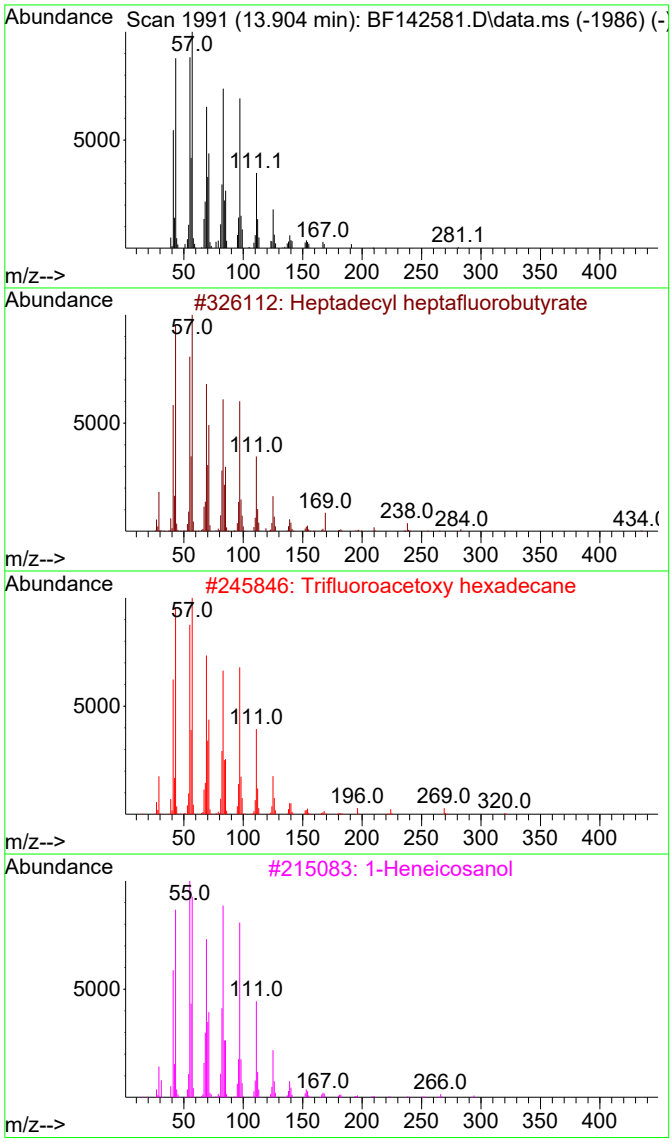
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

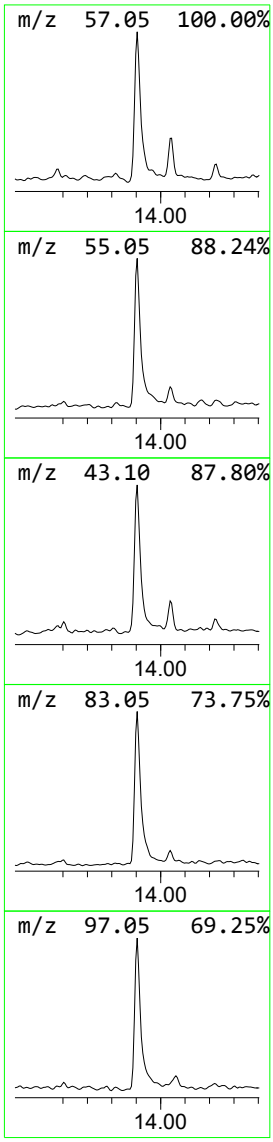
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Heptadecyl heptafluorobutyrate Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.904	4.45 ng	152440	Chrysene-d12	14.068

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	95
2	Trifluoroacetoxy hexadecane	338	C18H33F3O2	006222-03-3	95
3	1-Heneicosanol	312	C21H44O	015594-90-8	93
4	Heptafluorobutyric acid, pentade...	424	C19H31F7O2	959261-23-5	93
5	Pentafluoropropionic acid, penta...	374	C18H31F5O2	959092-08-1	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053025\
Data File : BF142581.D
Acq On : 30 May 2025 20:43
Operator : RC/JU
Sample : Q2150-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-48

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.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-...	5.128	11.1	ng	403121	1	6.898	728417	20.0
Benzophenone	10.651	6.7	ng	349242	3	9.933	1042060	20.0
n-Hexadecanoic ...	11.951	10.4	ng	524586	4	11.422	1013030	20.0
Heptadecyl hept...	13.904	4.5	ng	152440	5	14.068	685497	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053025\
Data File : BF142569.D
Acq On : 30 May 2025 14:52
Operator : RC/JU
Sample : Q2150-05
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-47

Quant Time: May 30 15:13:47 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration

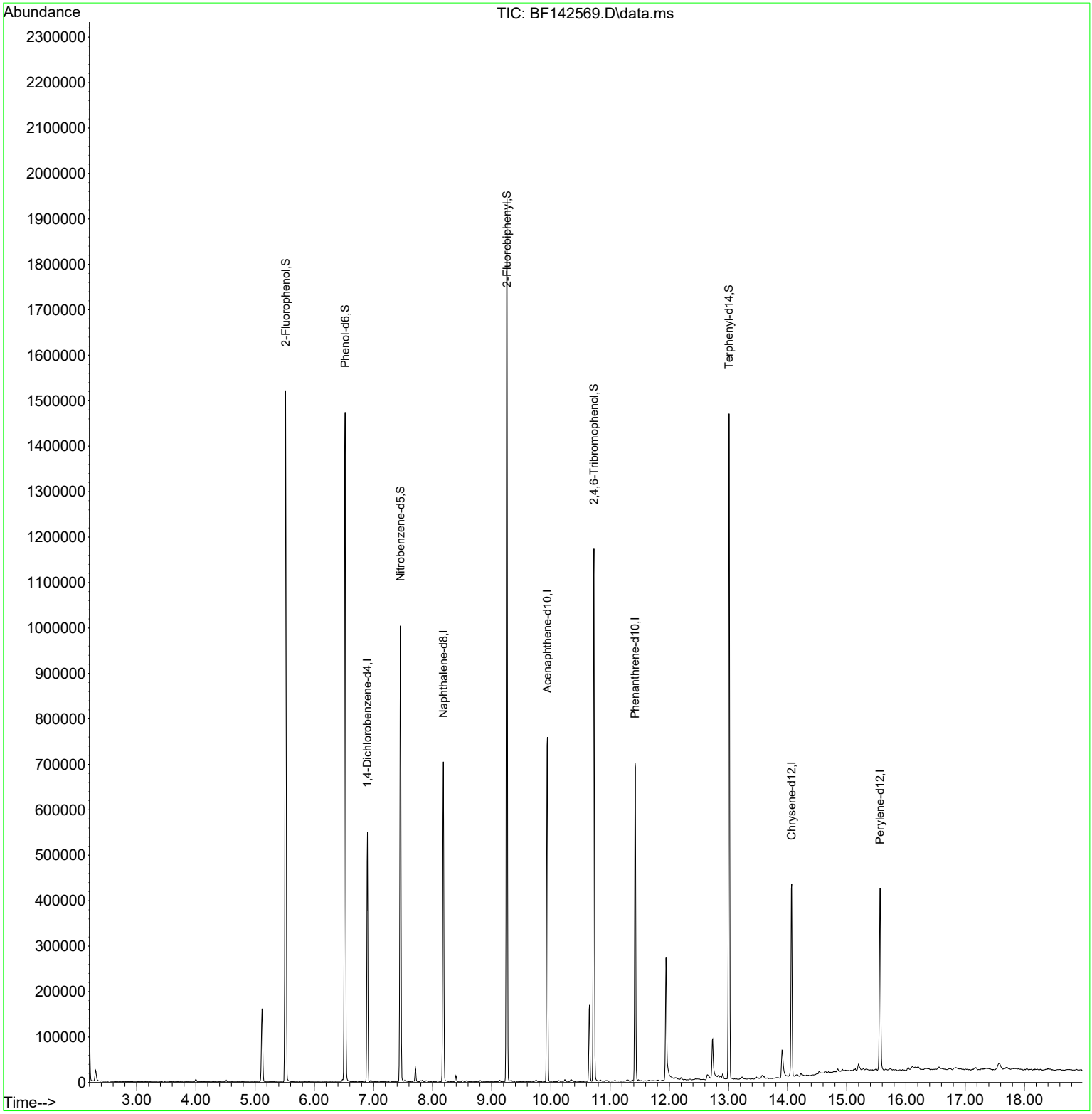
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	119655	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	452665	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	237881	20.000	ng	0.00
64) Phenanthrene-d10	11.422	188	379317	20.000	ng	-0.01
76) Chrysene-d12	14.068	240	213577	20.000	ng	0.00
86) Perylene-d12	15.563	264	233735	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	580421	81.724	ng	0.00
7) Phenol-d6	6.522	99	715121	83.646	ng	-0.01
23) Nitrobenzene-d5	7.457	82	427464	51.493	ng	-0.02
42) 2,4,6-Tribromophenol	10.728	330	213540	80.881	ng	-0.01
45) 2-Fluorobiphenyl	9.257	172	880377	49.661	ng	-0.01
79) Terphenyl-d14	13.010	244	710605	45.467	ng	0.00
Target Compounds						Qvalue

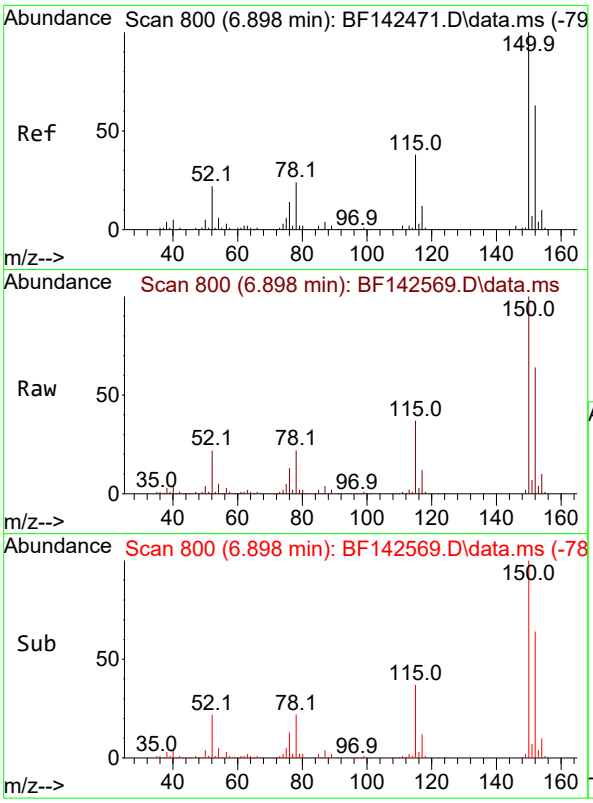
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053025\
Data File : BF142569.D
Acq On : 30 May 2025 14:52
Operator : RC/JU
Sample : Q2150-05
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-47

Quant Time: May 30 15:13:47 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration



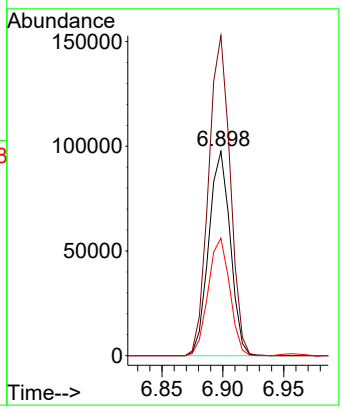


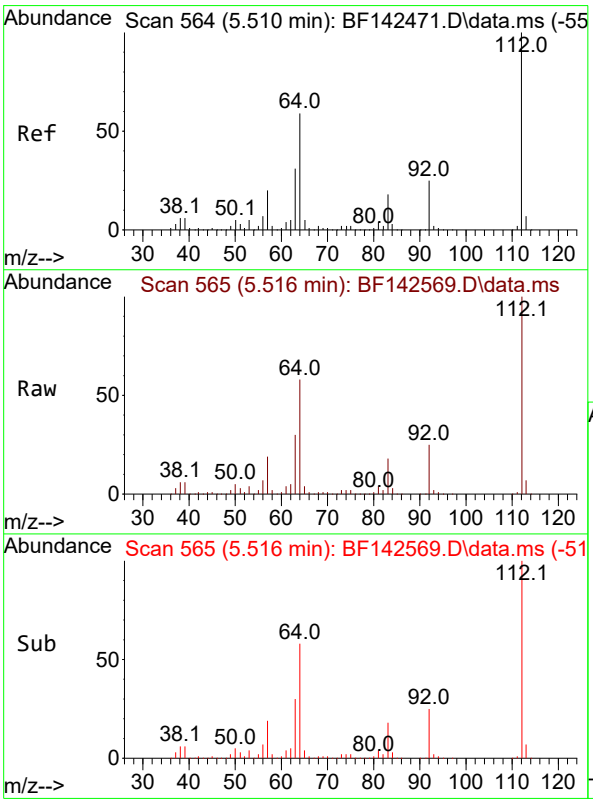
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142569.D
Acq: 30 May 2025 14:52

Instrument :
BNA_F
ClientSampleId :
TP-47

Tgt Ion:152 Resp: 119655

Ion	Ratio	Lower	Upper
152	100		
150	156.6	128.2	192.4
115	57.5	48.3	72.5

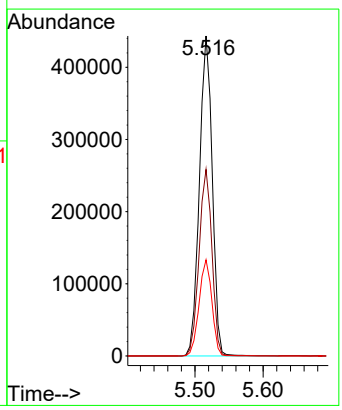


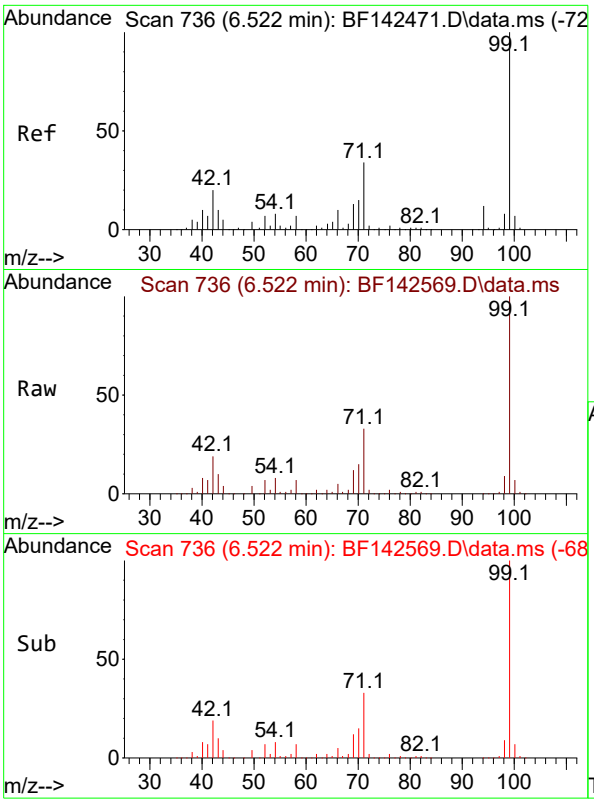


#5
2-Fluorophenol
Concen: 81.724 ng
RT: 5.516 min Scan# 565
Delta R.T. 0.000 min
Lab File: BF142569.D
Acq: 30 May 2025 14:52

Tgt Ion:112 Resp: 580421

Ion	Ratio	Lower	Upper
112	100		
64	58.3	47.5	71.3
63	30.1	24.9	37.3



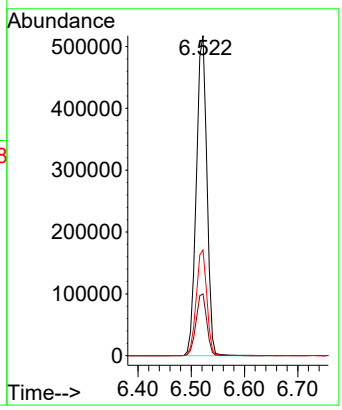


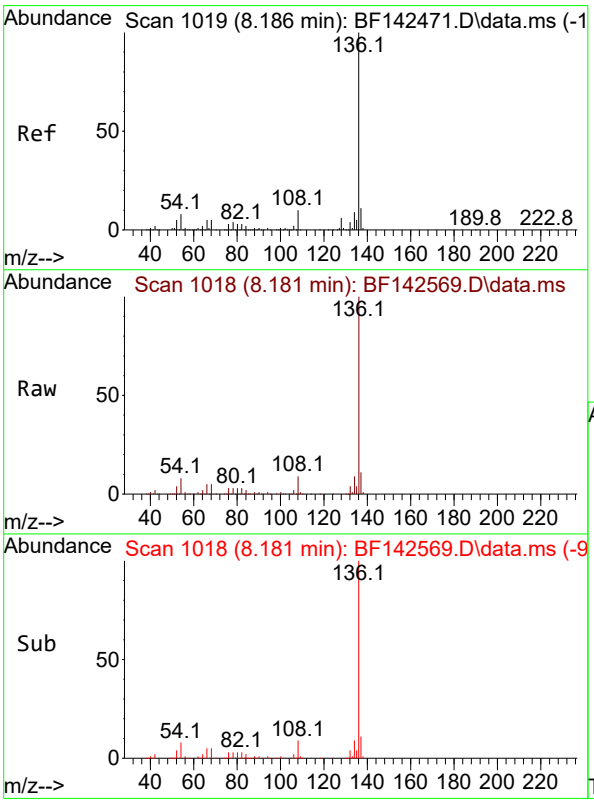
#7
Phenol-d6
Concen: 83.646 ng
RT: 6.522 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF142569.D
Acq: 30 May 2025 14:52

Instrument :
BNA_F
ClientSampleId :
TP-47

Tgt Ion: 99 Resp: 715121

Ion	Ratio	Lower	Upper
99	100		
42	19.3	16.2	24.2
71	33.0	27.3	40.9

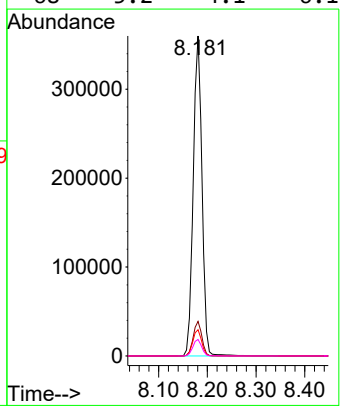


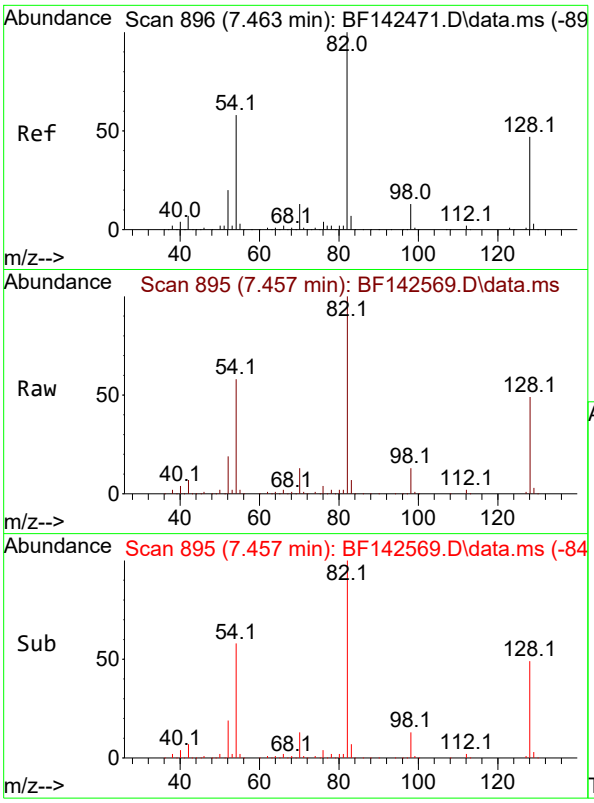


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF142569.D
Acq: 30 May 2025 14:52

Tgt Ion:136 Resp: 452665

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	8.2	6.6	10.0
68	5.2	4.1	6.1



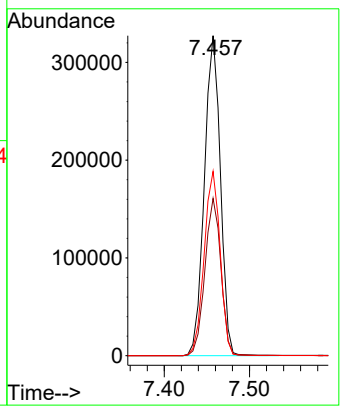


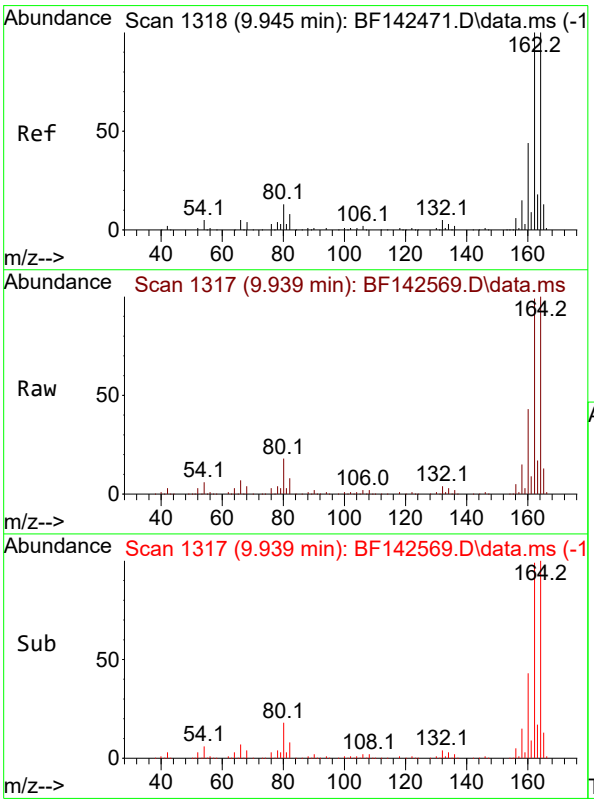
#23
Nitrobenzene-d5
Concen: 51.493 ng
RT: 7.457 min Scan# 8
Delta R.T. -0.017 min
Lab File: BF142569.D
Acq: 30 May 2025 14:52

Instrument :
BNA_F
ClientSampleId :
TP-47

Tgt Ion: 82 Resp: 427464

Ion	Ratio	Lower	Upper
82	100		
128	49.1	37.4	56.2
54	57.6	46.6	70.0

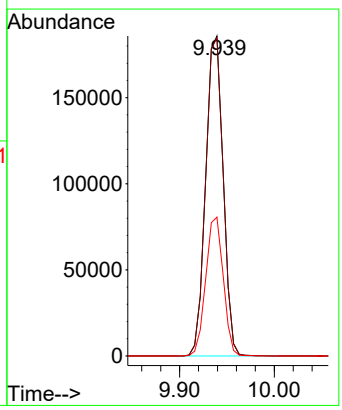


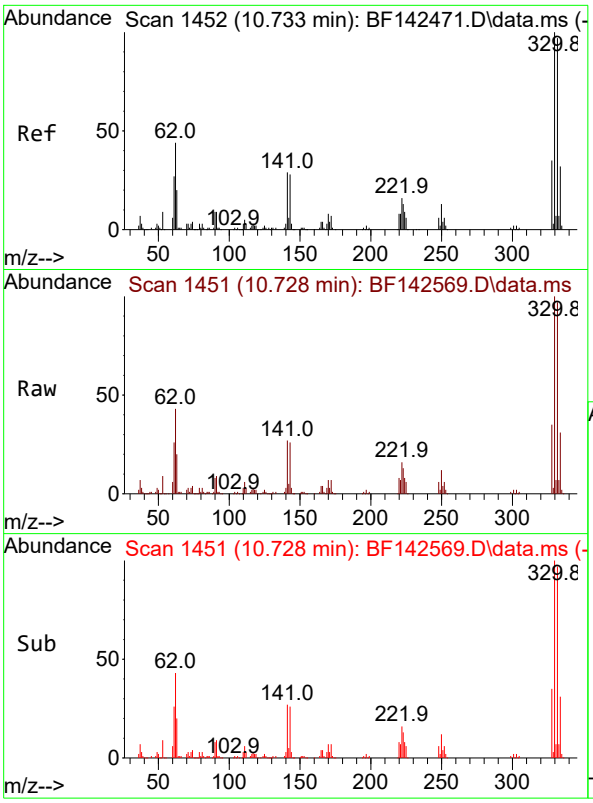


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 1317
Delta R.T. -0.006 min
Lab File: BF142569.D
Acq: 30 May 2025 14:52

Tgt Ion:164 Resp: 237881

Ion	Ratio	Lower	Upper
164	100		
162	99.4	80.2	120.4
160	43.4	35.6	53.4



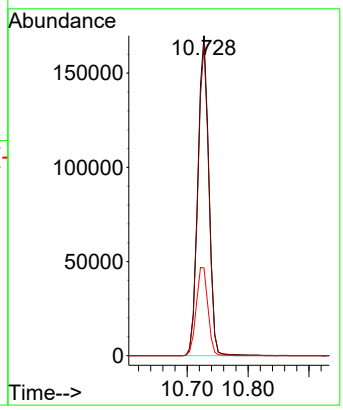


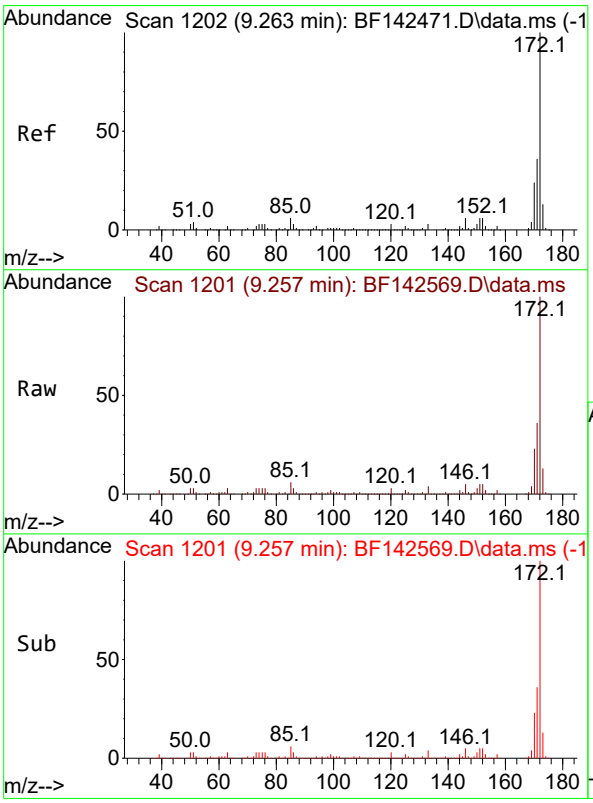
#42
2,4,6-Tribromophenol
Concen: 80.881 ng
RT: 10.728 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF142569.D
Acq: 30 May 2025 14:52

Instrument :
BNA_F
ClientSampleId :
TP-47

Tgt Ion:330 Resp: 213540

Ion	Ratio	Lower	Upper
330	100		
332	96.7	77.6	116.4
141	29.2	24.6	36.8

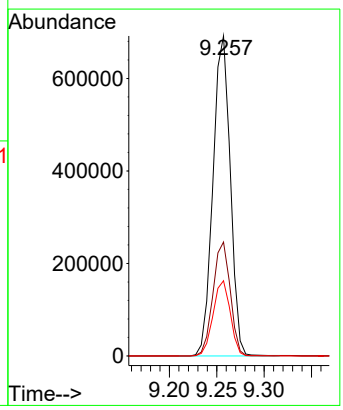


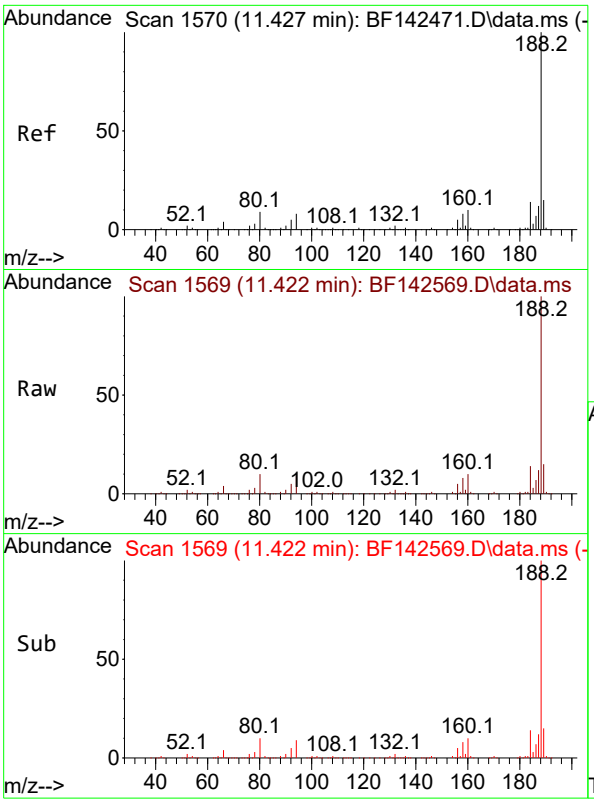


#45
2-Fluorobiphenyl
Concen: 49.661 ng
RT: 9.257 min Scan# 1201
Delta R.T. -0.012 min
Lab File: BF142569.D
Acq: 30 May 2025 14:52

Tgt Ion:172 Resp: 880377

Ion	Ratio	Lower	Upper
172	100		
171	35.6	28.6	42.8
170	23.5	18.9	28.3



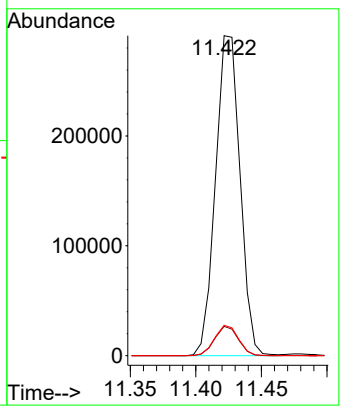


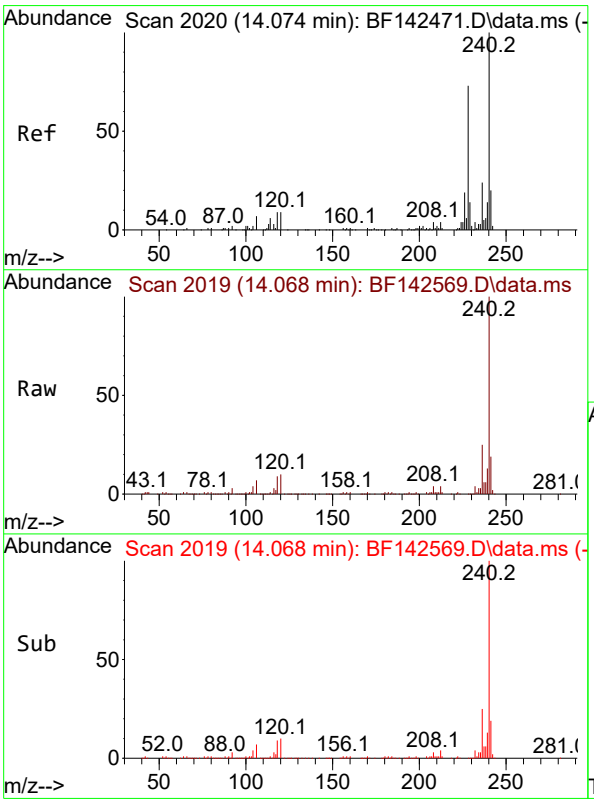
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142569.D
Acq: 30 May 2025 14:52

Instrument :
BNA_F
ClientSampleId :
TP-47

Tgt Ion:188 Resp: 379317

Ion	Ratio	Lower	Upper
188	100		
94	9.2	6.6	10.0
80	9.5	7.4	11.0

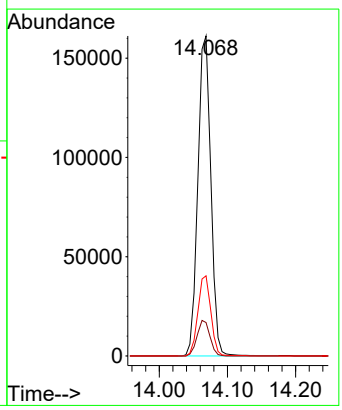


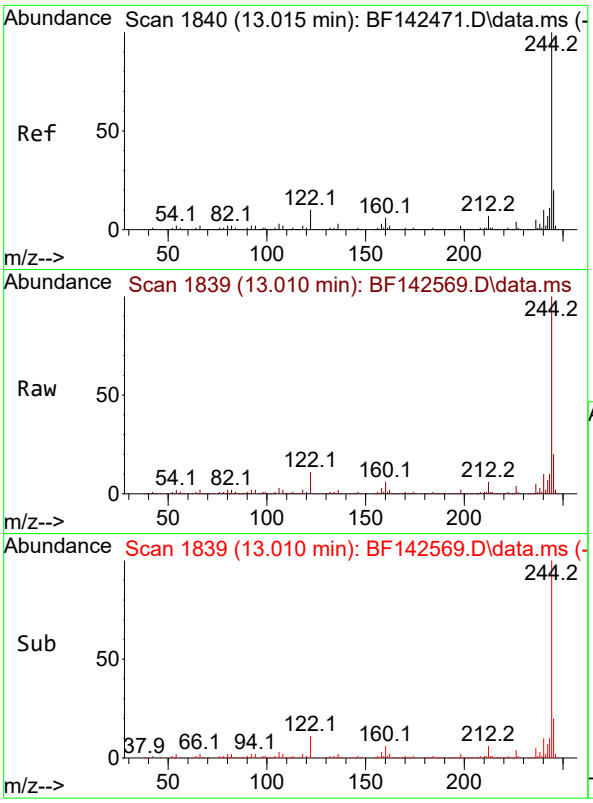


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.068 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF142569.D
Acq: 30 May 2025 14:52

Tgt Ion:240 Resp: 213577

Ion	Ratio	Lower	Upper
240	100		
120	10.5	7.5	11.3
236	25.1	19.6	29.4



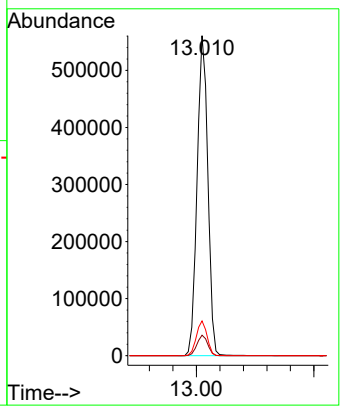


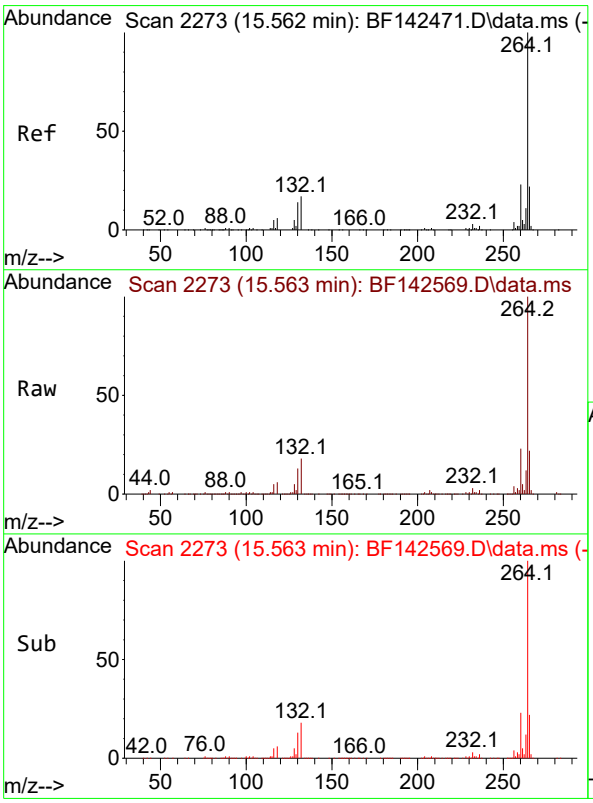
#79
Terphenyl-d14
Concen: 45.467 ng
RT: 13.010 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142569.D
Acq: 30 May 2025 14:52

Instrument :
BNA_F
ClientSampleId :
TP-47

Tgt Ion:244 Resp: 710605

Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.3	7.9
122	10.9	8.2	12.2

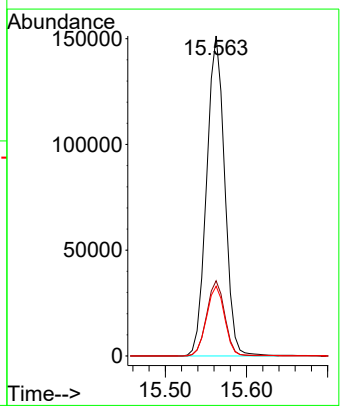




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.563 min Scan# 2273
Delta R.T. -0.006 min
Lab File: BF142569.D
Acq: 30 May 2025 14:52

Tgt Ion:264 Resp: 233735

Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.6	28.0
265	21.8	17.7	26.5



Sample Results: **BF142569.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053025\
Data File : BF142569.D
Acq On : 30 May 2025 14:52
Operator : RC/JU
Sample : Q2150-05
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-47

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-BF052025.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF142569.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.305	14	19	33	rVB2	23803	43463	1.76%	0.253%
2	5.116	489	497	508	rBV	161275	238633	9.64%	1.391%
3	5.516	559	565	570	rBV	1521441	1982878	80.14%	11.557%
4	6.522	729	736	747	rVB	1471626	2045280	82.66%	11.921%
5	6.898	795	800	805	rBV	550419	678910	27.44%	3.957%
6	7.457	889	895	900	rBV	1003469	1306695	52.81%	7.616%
7	7.710	934	938	944	rVB	28059	34336	1.39%	0.200%
8	8.181	1012	1018	1026	rBV	703631	879909	35.56%	5.129%
9	9.257	1195	1201	1206	rBV	1941885	2474302	100.00%	14.421%
10	9.939	1311	1317	1322	rBV	757613	978352	39.54%	5.702%
11	10.651	1432	1438	1445	rBV	168011	212672	8.60%	1.240%
12	10.728	1445	1451	1461	rBV	1171370	1524740	61.62%	8.887%
13	11.422	1564	1569	1576	rBV	700093	910343	36.79%	5.306%
14	11.945	1651	1658	1680	rBV	269944	455982	18.43%	2.658%
15	12.645	1772	1777	1786	rBV6	11212	33255	1.34%	0.194%
16	12.733	1786	1792	1805	rVV	85848	162859	6.58%	0.949%
17	13.010	1833	1839	1844	rBV	1463095	1841426	74.42%	10.733%
18	13.904	1986	1991	2005	rBV	61133	138903	5.61%	0.810%
19	14.068	2011	2019	2026	rVB	422603	567387	22.93%	3.307%
20	15.198	2207	2211	2219	rBV7	12607	24746	1.00%	0.144%
21	15.563	2267	2273	2283	rVB	399645	621975	25.14%	3.625%

Sum of corrected areas: 17157046

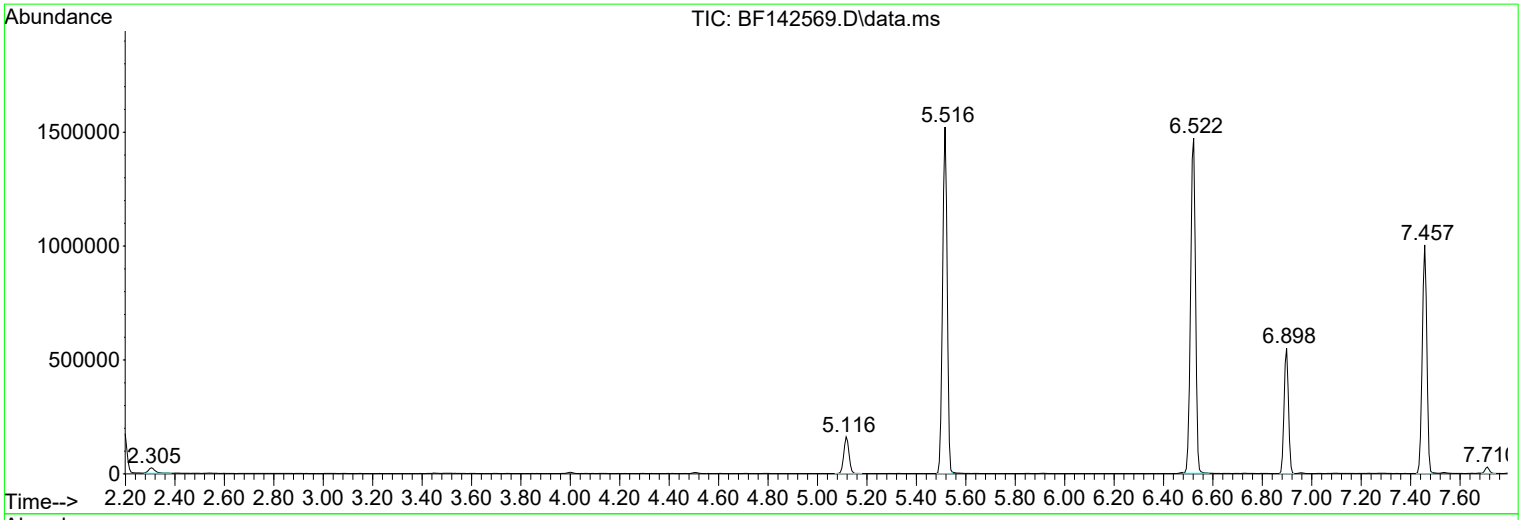
Sample Results: **BF142569.D**

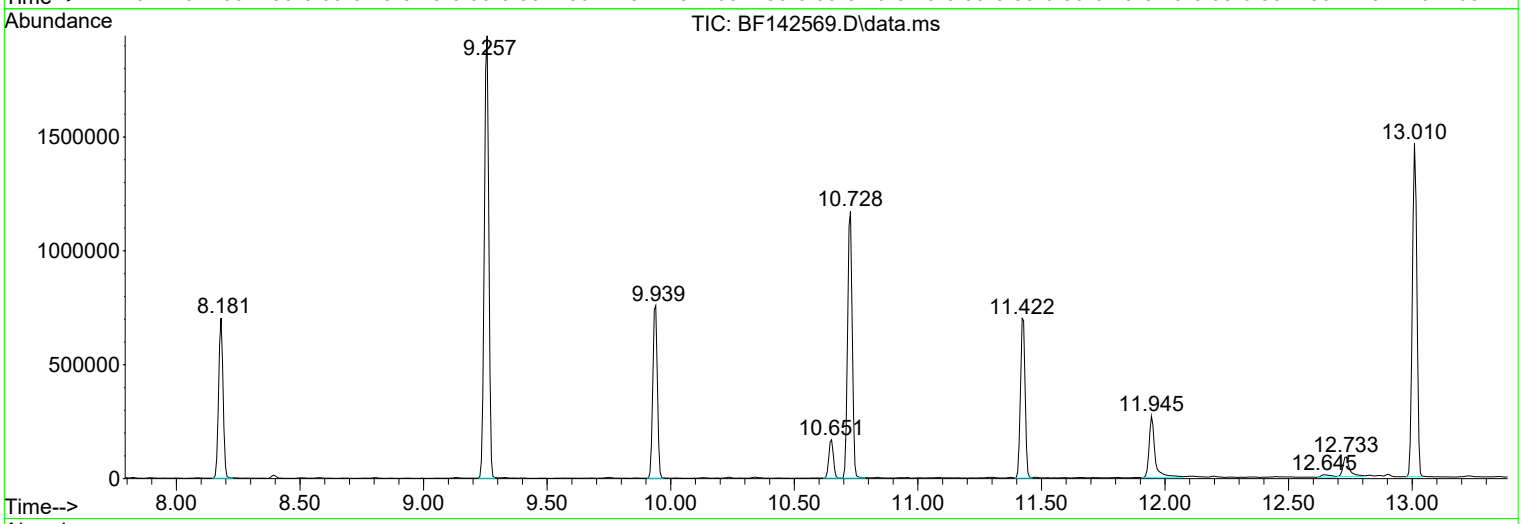
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053025\
Data File : BF142569.D
Acq On : 30 May 2025 14:52
Operator : RC/JU
Sample : Q2150-05
Misc :
ALS Vial : 5 Sample Multiplier: 1

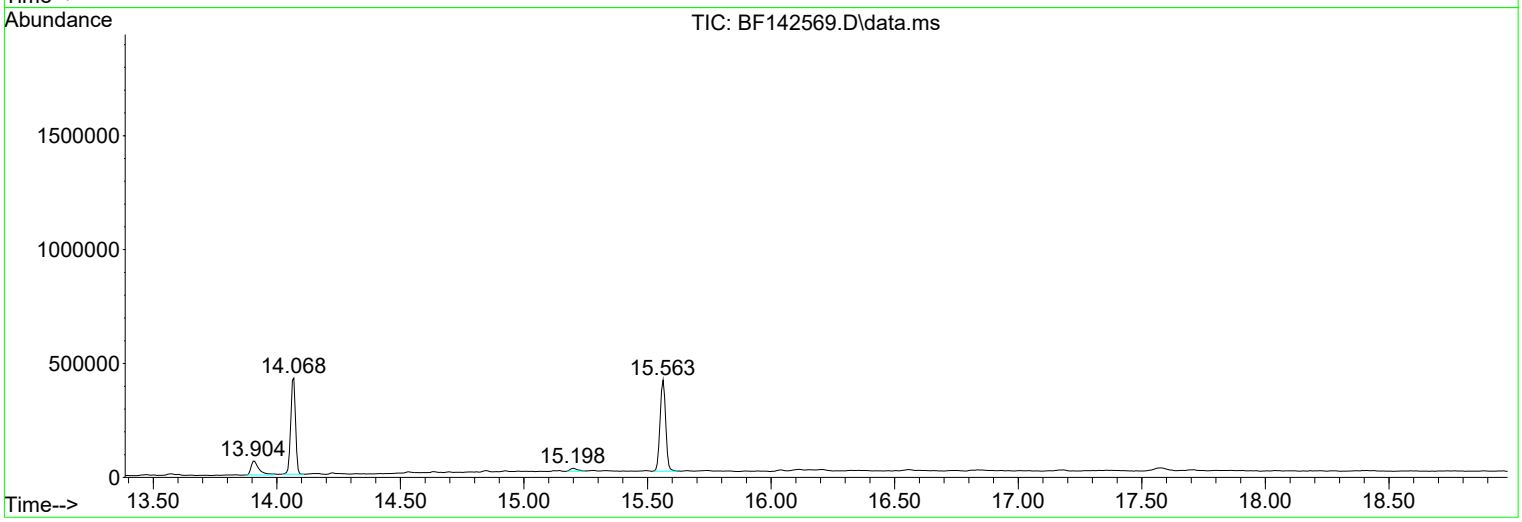
Instrument :
BNA_F
ClientSampleId :
TP-47

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.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\BF053025\
Data File : BF142569.D
Acq On : 30 May 2025 14:52
Operator : RC/JU
Sample : Q2150-05
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-47

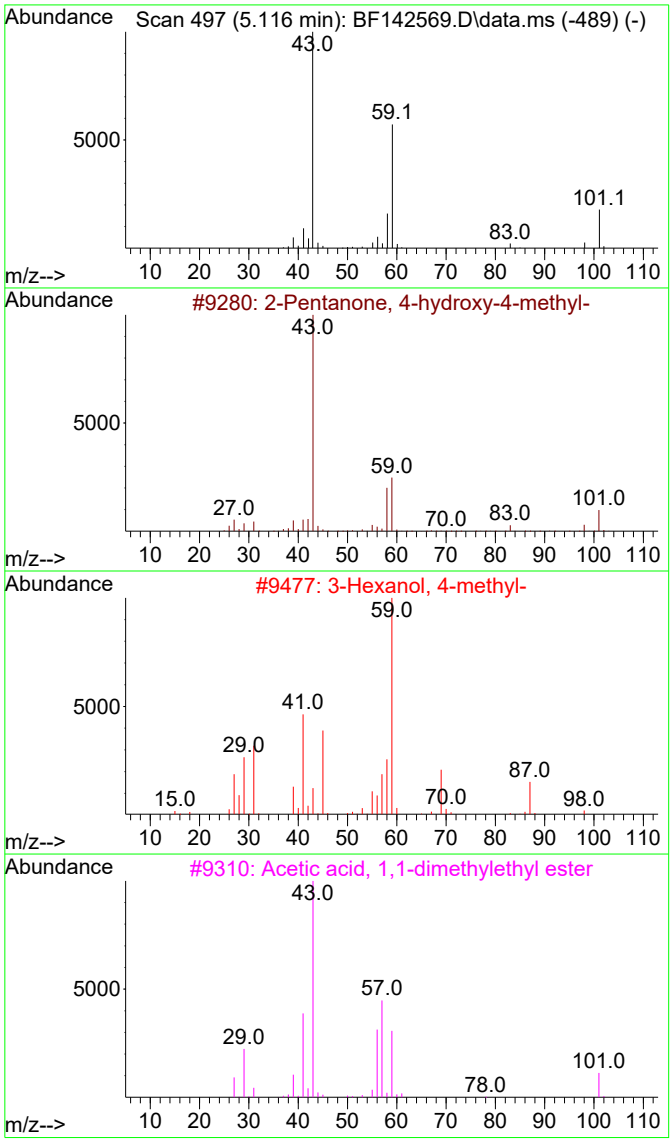
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

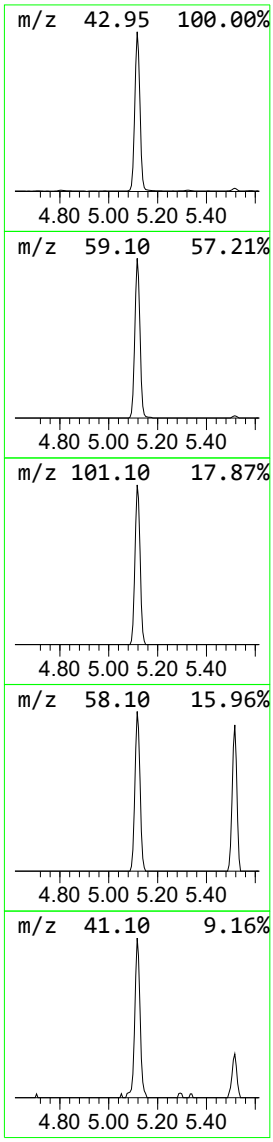
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.116	7.03 ng	238633	1,4-Dichlorobenzene-d4	6.898

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
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	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	12





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053025\
Data File : BF142569.D
Acq On : 30 May 2025 14:52
Operator : RC/JU
Sample : Q2150-05
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-47

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

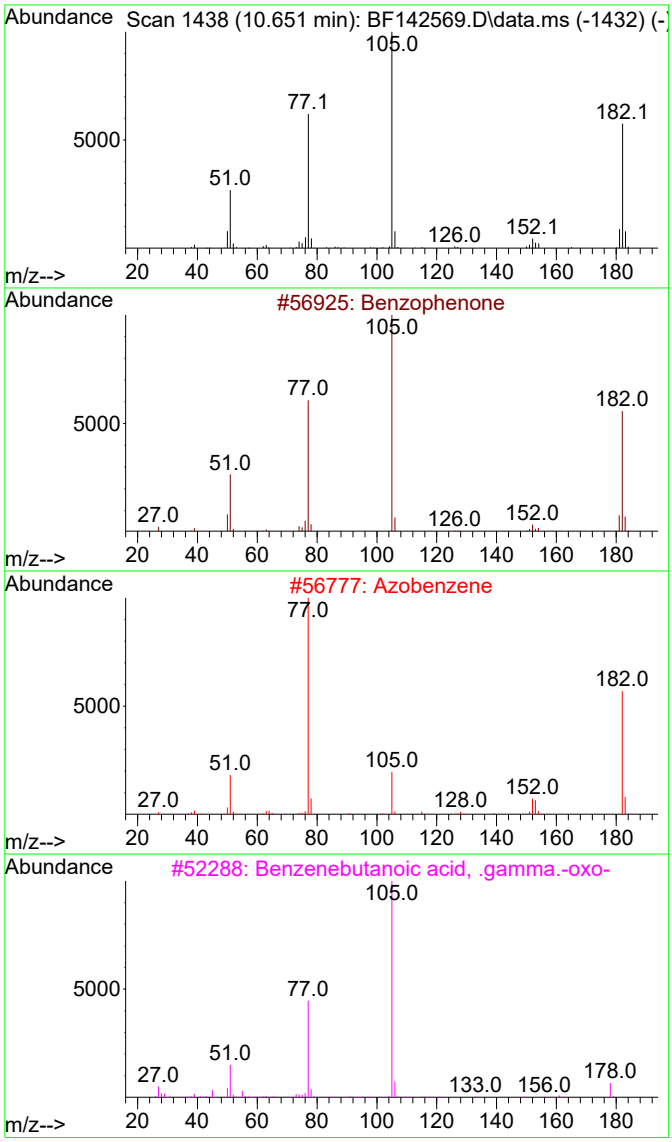
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

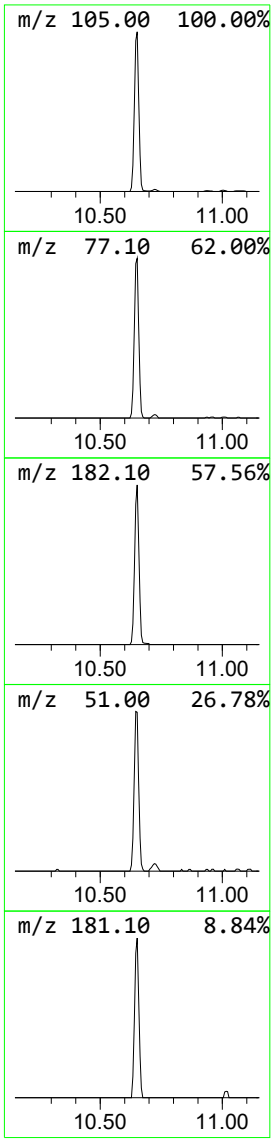
****

Peak Number 2 Benzophenone Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.651	4.35 ng	212672	Acenaphthene-d10	9.939

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	Azobenzene	182	C12H10N2	000103-33-3	59
3	Benzenebutanoic acid, .gamma.-oxo-	178	C10H10O3	002051-95-8	47
4	Benzeneacetic acid, .alpha.-oxo-...	178	C10H10O3	001603-79-8	47
5	2-Benzoyl-4-bromo-5-methyl-1,2-o...	281	C11H8BrNO3	1000444-92-3	47





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Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053025\
Data File : BF142569.D
Acq On    : 30 May 2025  14:52
Operator  : RC/JU
Sample    : Q2150-05
Misc      :
ALS Vial  : 5   Sample Multiplier: 1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title  : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

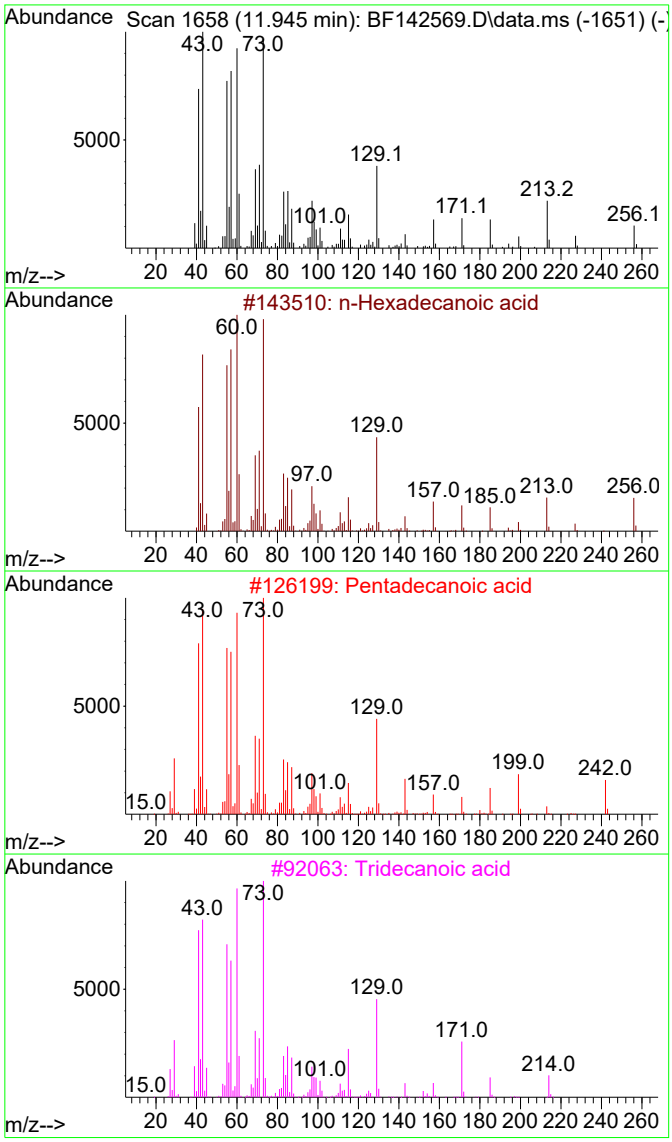
Instrument : BNA_F
ClientSampleId : TP-47

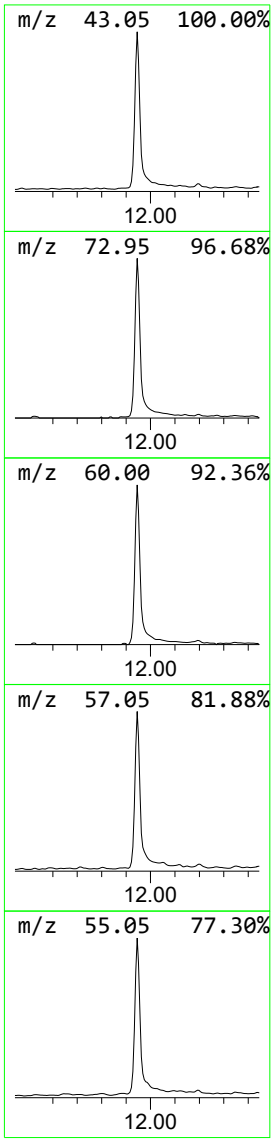
****

Peak Number 3 n-Hexadecanoic acid Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.945	10.02 ng	455982	Phenanthrene-d10	11.422

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	98
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	91
3	Tridecanoic acid	214	C13H26O2	000638-53-9	91
4	n-Decanoic acid	172	C10H20O2	000334-48-5	70
5	Tetradecanoic acid	228	C14H28O2	000544-63-8	62





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053025\
Data File : BF142569.D
Acq On : 30 May 2025 14:52
Operator : RC/JU
Sample : Q2150-05
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-47

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

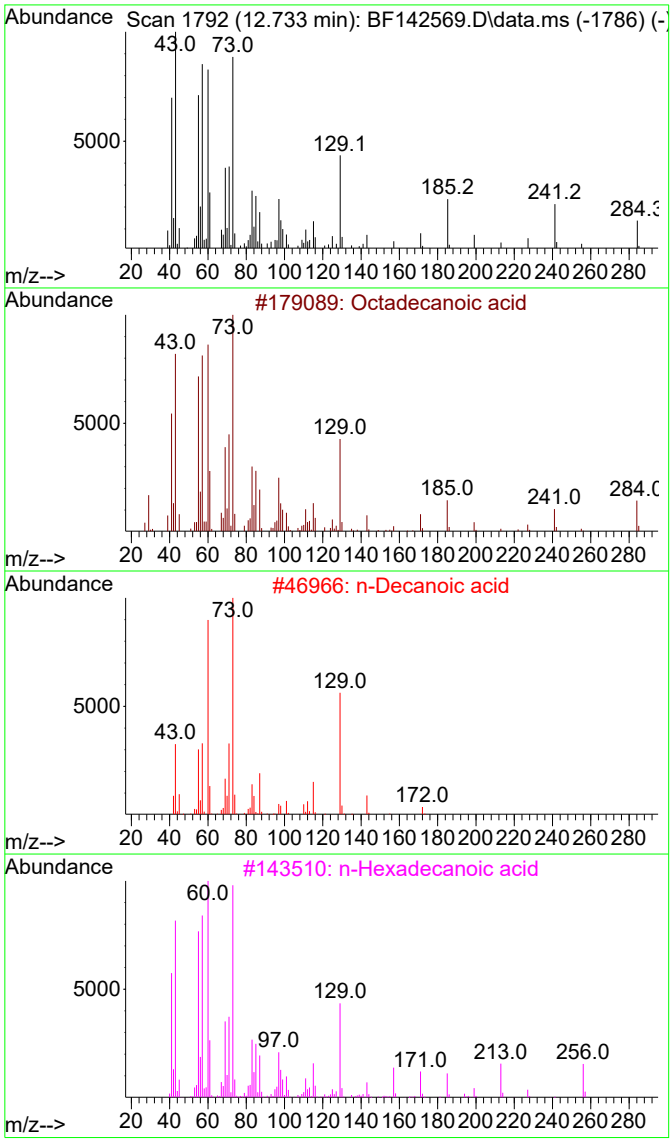
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

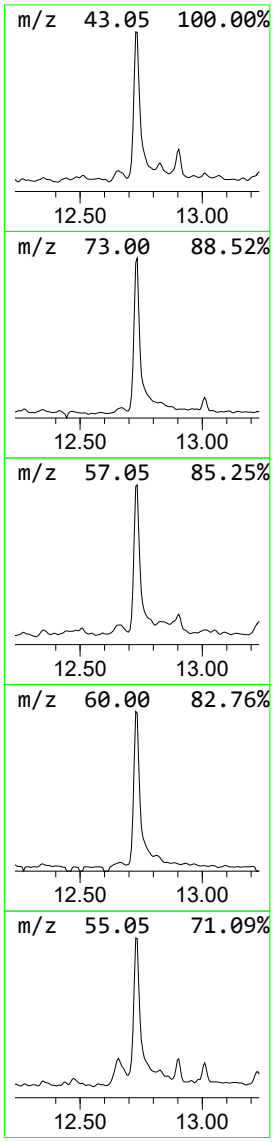
****

Peak Number 4 Octadecanoic acid Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.733	3.58 ng	162859	Phenanthrene-d10	11.422

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	87
3	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	83
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	74
5	Pentadecanoic acid	242	C15H30O2	001002-84-2	70





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Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053025\
Data File : BF142569.D
Acq On    : 30 May 2025  14:52
Operator  : RC/JU
Sample    : Q2150-05
Misc      :
ALS Vial  : 5   Sample Multiplier: 1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title  : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

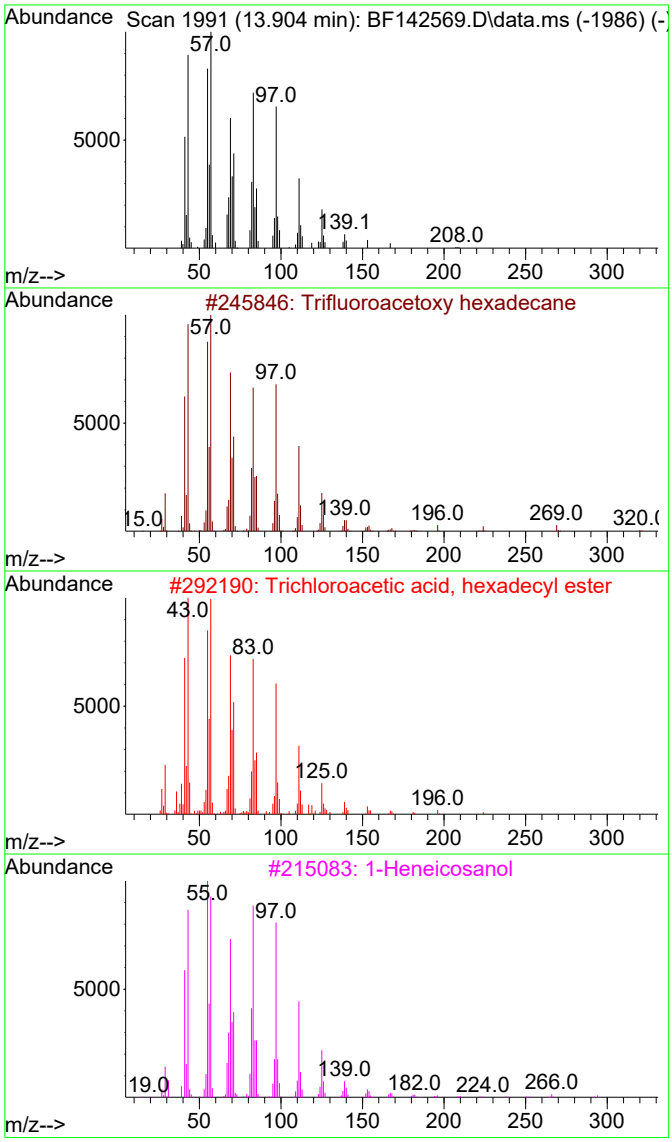
Instrument :
BNA_F
ClientSampleId :
TP-47

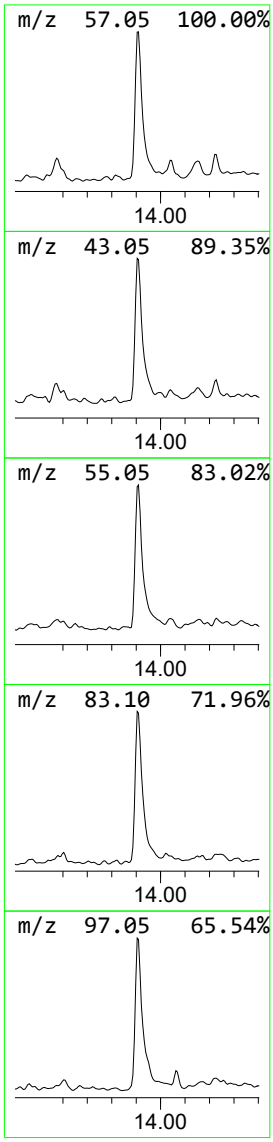
****

Peak Number 5 Trifluoroacetoxy hexadecane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.904	4.90 ng	138903	Chrysene-d12	14.069

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Trifluoroacetoxy hexadecane	338	C18H33F3O2	006222-03-3	95
2	Trichloroacetic acid, hexadecyl ...	386	C18H33Cl3O2	074339-54-1	94
3	1-Heneicosanol	312	C21H44O	015594-90-8	93
4	Octacosanol	410	C28H58O	000557-61-9	93
5	1-Heptacosanol	396	C27H56O	002004-39-9	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053025\
Data File : BF142569.D
Acq On : 30 May 2025 14:52
Operator : RC/JU
Sample : Q2150-05
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-47

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.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-...	5.116	7.0	ng	238633	1	6.898	678910	20.0
Benzophenone	10.651	4.3	ng	212672	3	9.939	978352	20.0
n-Hexadecanoic ...	11.945	10.0	ng	455982	4	11.422	910343	20.0
Octadecanoic acid	12.733	3.6	ng	162859	4	11.422	910343	20.0
Trifluoroacetox...	13.904	4.9	ng	138903	5	14.069	567387	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053025\
Data File : BF142584.D
Acq On : 30 May 2025 22:11
Operator : RC/JU
Sample : Q2150-06
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-50

Quant Time: May 31 00:11:34 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration

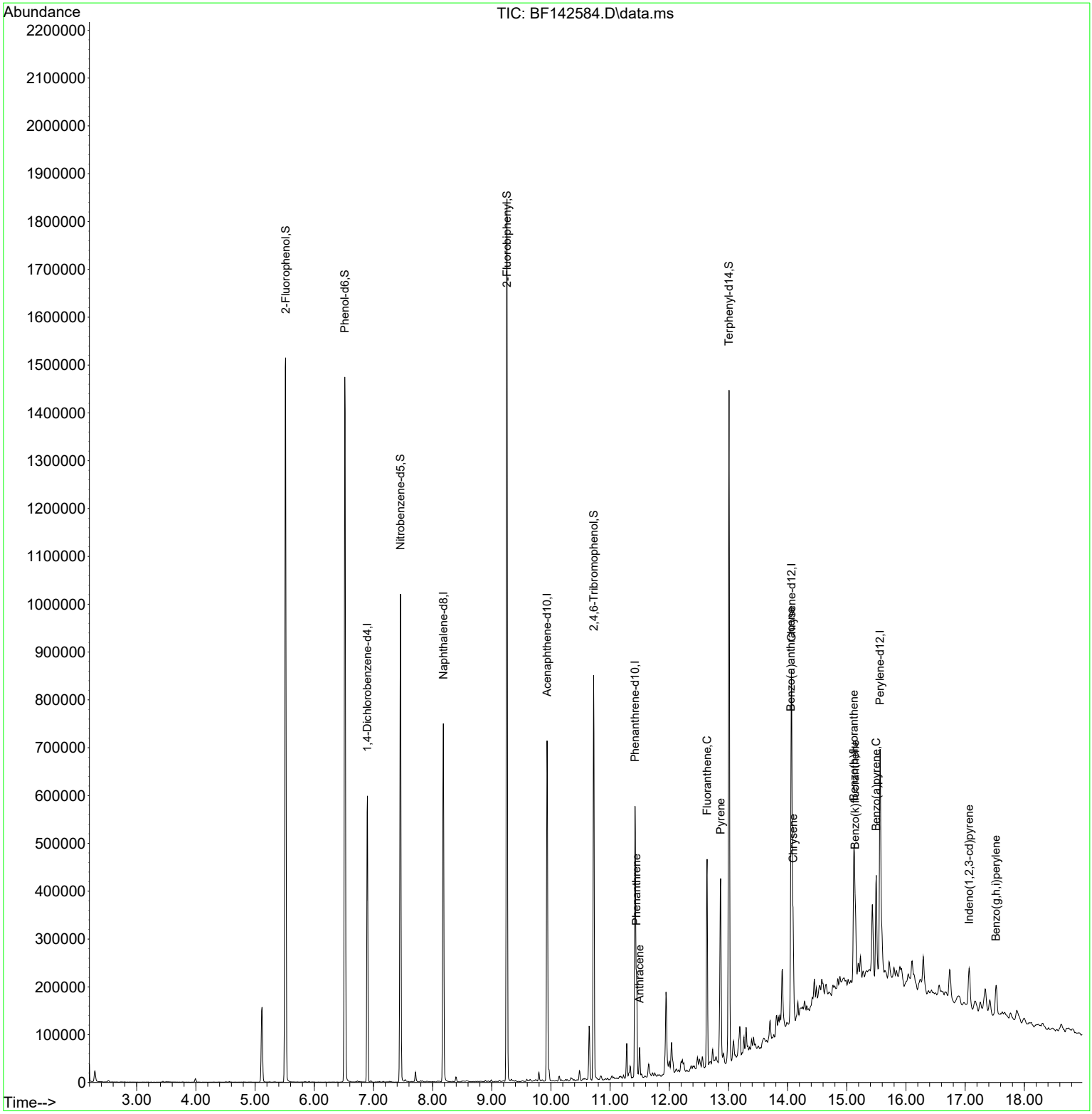
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	131837	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	470624	20.000	ng	0.00
39) Acenaphthene-d10	9.934	164	213475	20.000	ng	-0.01
64) Phenanthrene-d10	11.422	188	294969	20.000	ng	-0.01
76) Chrysene-d12	14.069	240	274370	20.000	ng	0.00
86) Perylene-d12	15.563	264	279386	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	606974	77.566	ng	0.00
7) Phenol-d6	6.516	99	711329	75.514	ng	-0.02
23) Nitrobenzene-d5	7.457	82	427869	49.575	ng	-0.02
42) 2,4,6-Tribromophenol	10.722	330	145565	61.438	ng	-0.02
45) 2-Fluorobiphenyl	9.257	172	850482	53.460	ng	-0.01
79) Terphenyl-d14	13.010	244	670828	33.412	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.445	178	113607	7.207	ng	100
72) Anthracene	11.498	178	36095	2.244	ng	99
75) Fluoranthene	12.639	202	254483	17.277	ng	100
78) Pyrene	12.869	202	230618	9.010	ng	99
81) Benzo(a)anthracene	14.057	228	161449	8.812	ng	95
83) Chrysene	14.092	228	122044	7.413	ng	97
87) Indeno(1,2,3-cd)pyrene	17.068	276	60492	2.884	ng	97
88) Benzo(b)fluoranthene	15.121	252	189779m	11.477	ng	
89) Benzo(k)fluoranthene	15.139	252	61390m	3.964	ng	
90) Benzo(a)pyrene	15.498	252	130312	8.361	ng	97
92) Benzo(g,h,i)perylene	17.521	276	58698	3.450	ng	95

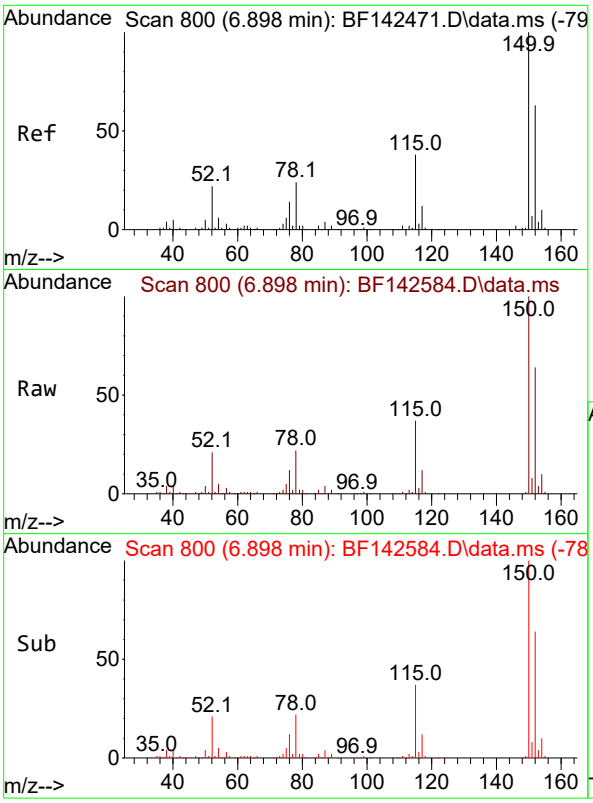
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053025\
Data File : BF142584.D
Acq On : 30 May 2025 22:11
Operator : RC/JU
Sample : Q2150-06
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-50

Quant Time: May 31 00:11:34 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration



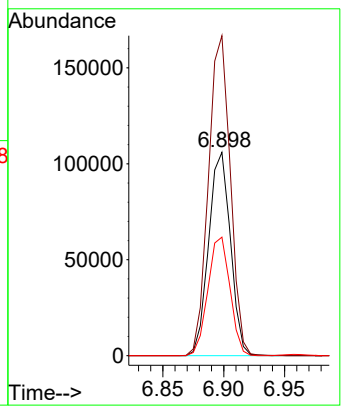


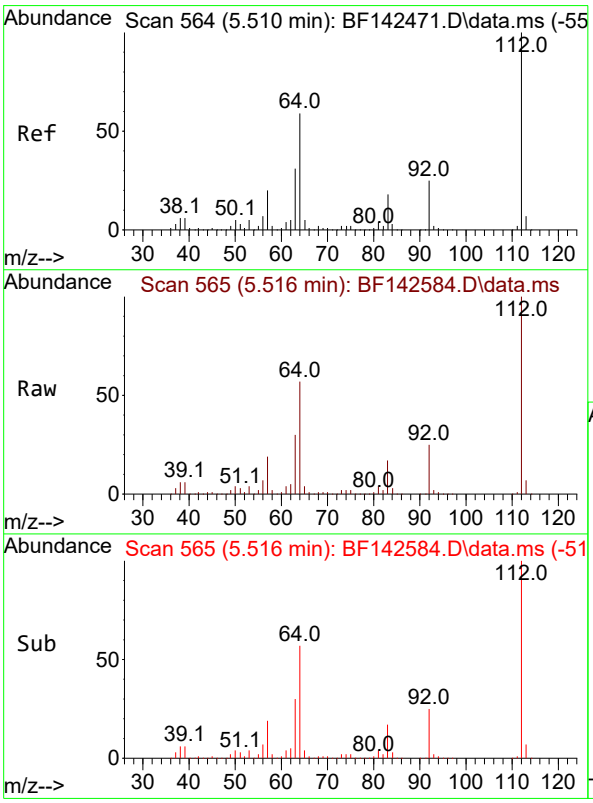
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142584.D
Acq: 30 May 2025 22:11

Instrument :
BNA_F
ClientSampleId :
TP-50

Tgt Ion:152 Resp: 131837

Ion	Ratio	Lower	Upper
152	100		
150	157.3	128.2	192.4
115	58.3	48.3	72.5

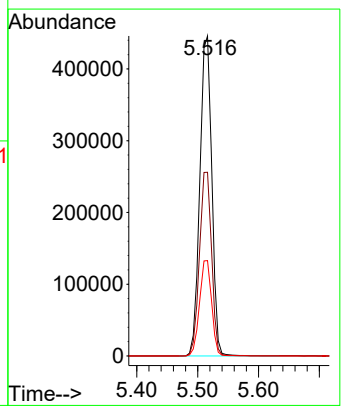


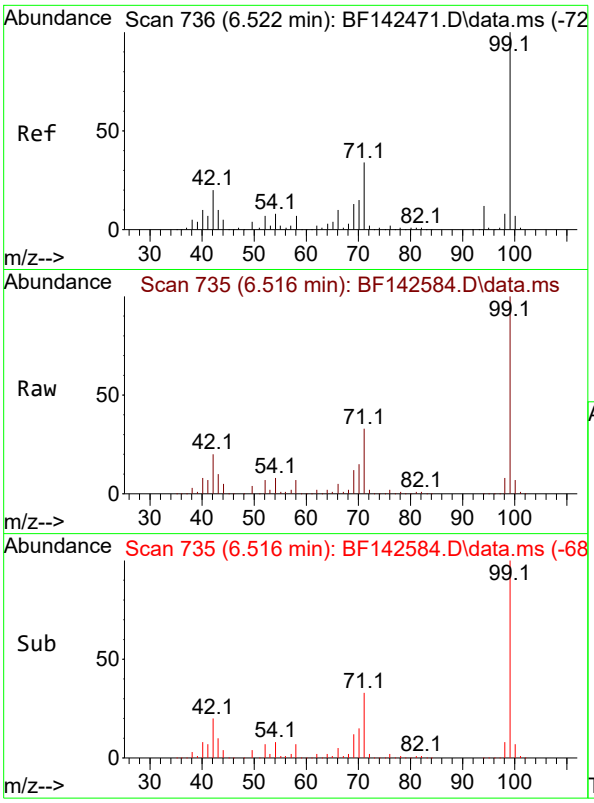


#5
2-Fluorophenol
Concen: 77.566 ng
RT: 5.516 min Scan# 565
Delta R.T. 0.000 min
Lab File: BF142584.D
Acq: 30 May 2025 22:11

Tgt Ion:112 Resp: 606974

Ion	Ratio	Lower	Upper
112	100		
64	57.4	47.5	71.3
63	29.8	24.9	37.3



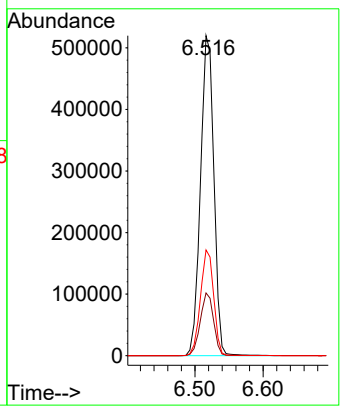


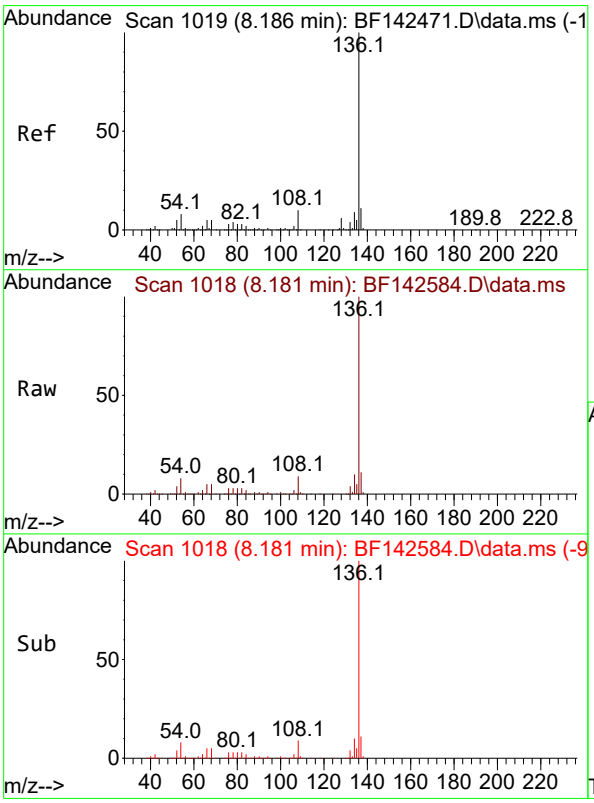
#7
Phenol-d6
Concen: 75.514 ng
RT: 6.516 min Scan# 7
Delta R.T. -0.017 min
Lab File: BF142584.D
Acq: 30 May 2025 22:11

Instrument :
BNA_F
ClientSampleId :
TP-50

Tgt Ion: 99 Resp: 711329

Ion	Ratio	Lower	Upper
99	100		
42	19.6	16.2	24.2
71	33.1	27.3	40.9

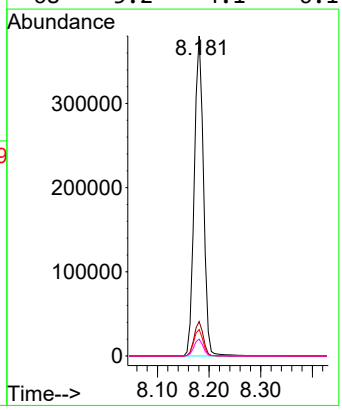


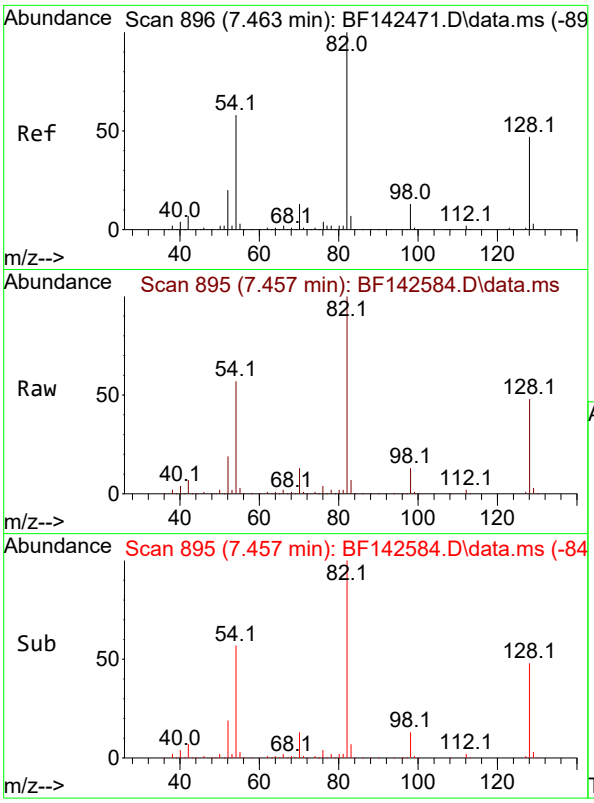


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF142584.D
Acq: 30 May 2025 22:11

Tgt Ion:136 Resp: 470624

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.6	13.0
54	8.3	6.6	10.0
68	5.2	4.1	6.1



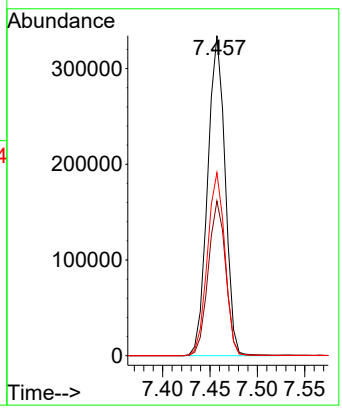


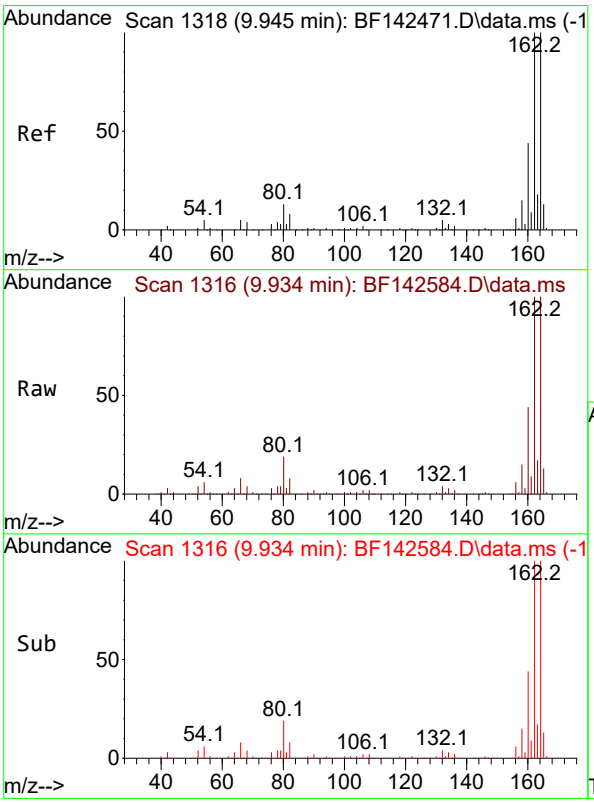
#23
Nitrobenzene-d5
Concen: 49.575 ng
RT: 7.457 min Scan# 8
Delta R.T. -0.017 min
Lab File: BF142584.D
Acq: 30 May 2025 22:11

Instrument :
BNA_F
ClientSampleId :
TP-50

Tgt Ion: 82 Resp: 427869

Ion	Ratio	Lower	Upper
82	100		
128	48.4	37.4	56.2
54	57.2	46.6	70.0

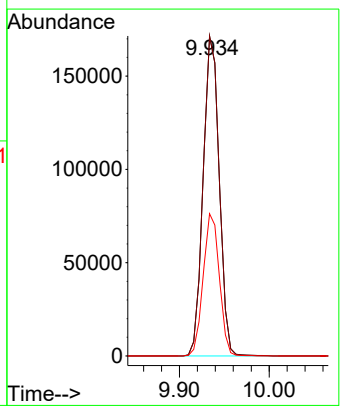


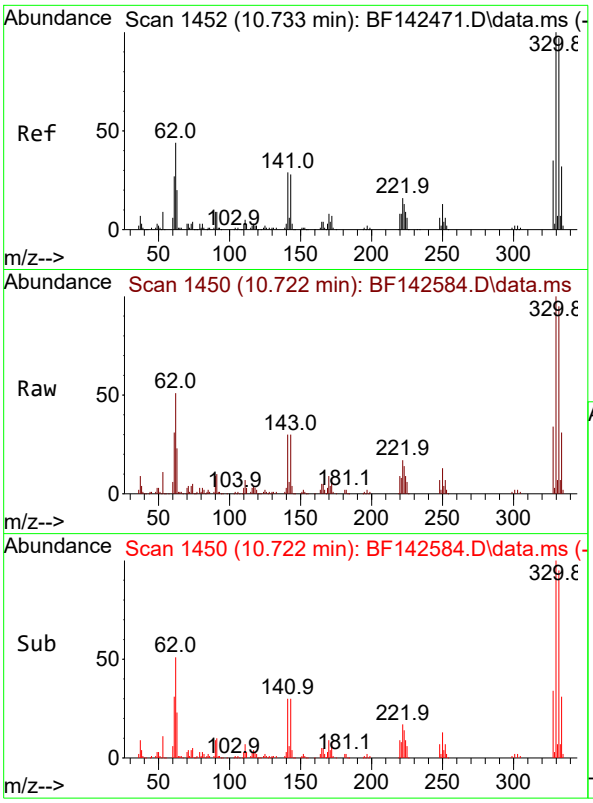


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.934 min Scan# 1316
Delta R.T. -0.012 min
Lab File: BF142584.D
Acq: 30 May 2025 22:11

Tgt Ion:164 Resp: 213475

Ion	Ratio	Lower	Upper
164	100		
162	100.1	80.2	120.4
160	44.5	35.6	53.4



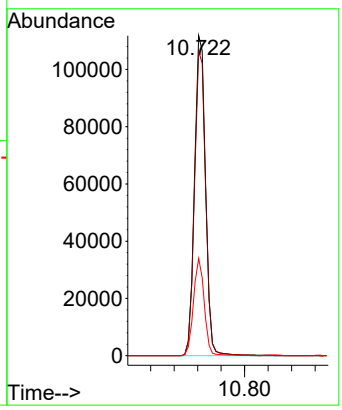


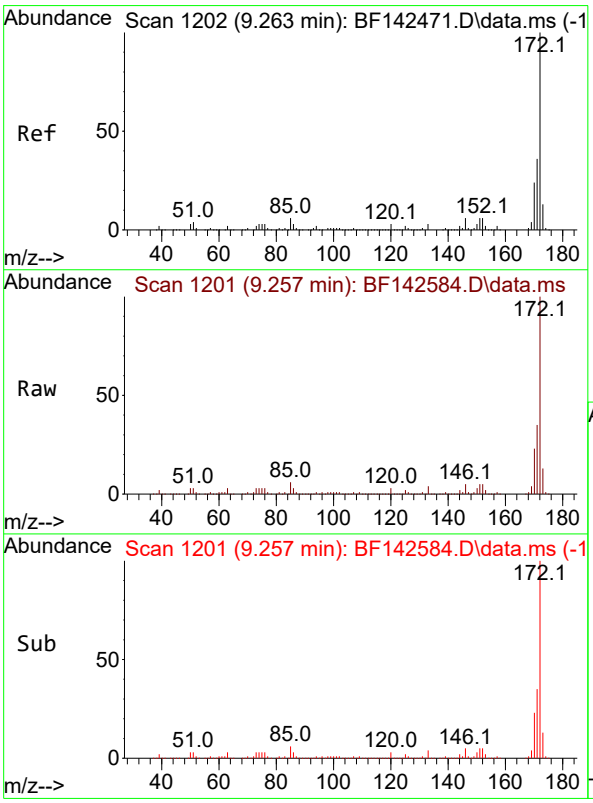
#42
2,4,6-Tribromophenol
Concen: 61.438 ng
RT: 10.722 min Scan# 14
Delta R.T. -0.017 min
Lab File: BF142584.D
Acq: 30 May 2025 22:11

Instrument :
BNA_F
ClientSampleId :
TP-50

Tgt Ion:330 Resp: 145565

Ion	Ratio	Lower	Upper
330	100		
332	95.7	77.6	116.4
141	29.7	24.6	36.8

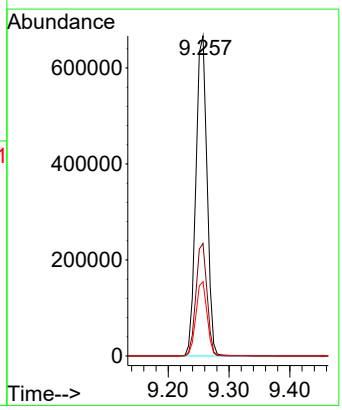


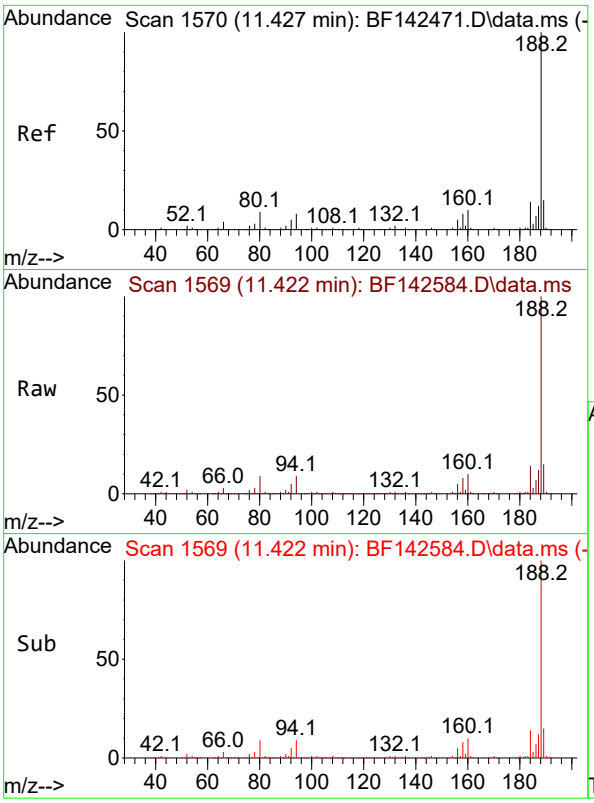


#45
2-Fluorobiphenyl
Concen: 53.460 ng
RT: 9.257 min Scan# 1201
Delta R.T. -0.012 min
Lab File: BF142584.D
Acq: 30 May 2025 22:11

Tgt Ion:172 Resp: 850482

Ion	Ratio	Lower	Upper
172	100		
171	35.1	28.6	42.8
170	23.2	18.9	28.3



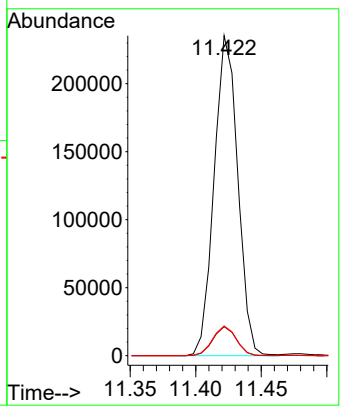


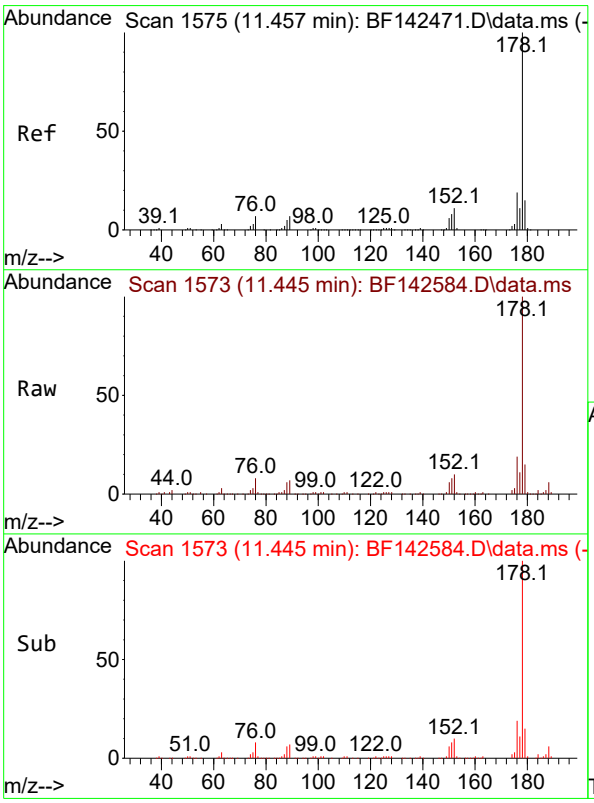
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142584.D
Acq: 30 May 2025 22:11

Instrument :
BNA_F
ClientSampleId :
TP-50

Tgt Ion:188 Resp: 294969

Ion	Ratio	Lower	Upper
188	100		
94	9.0	6.6	10.0
80	9.3	7.4	11.0

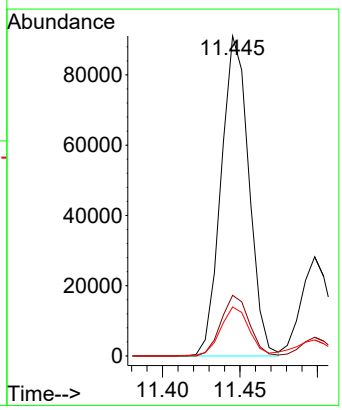


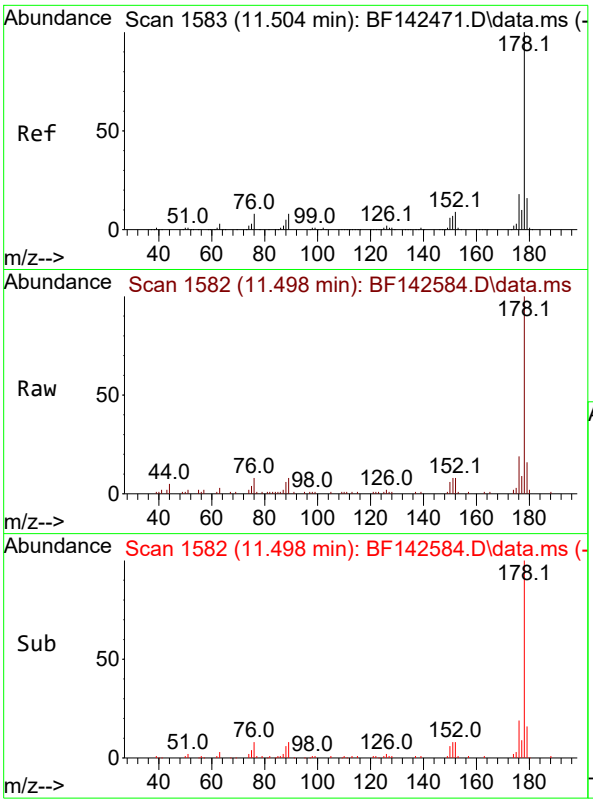


#71
Phenanthrene
Concen: 7.207 ng
RT: 11.445 min Scan# 1573
Delta R.T. -0.012 min
Lab File: BF142584.D
Acq: 30 May 2025 22:11

Tgt Ion:178 Resp: 113607

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.4	23.0
179	15.3	12.3	18.5



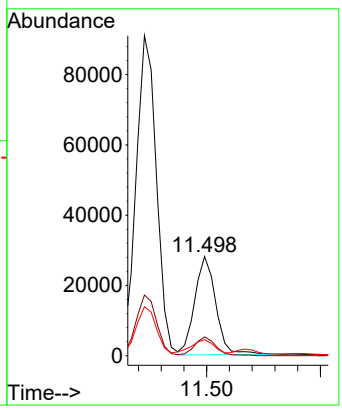


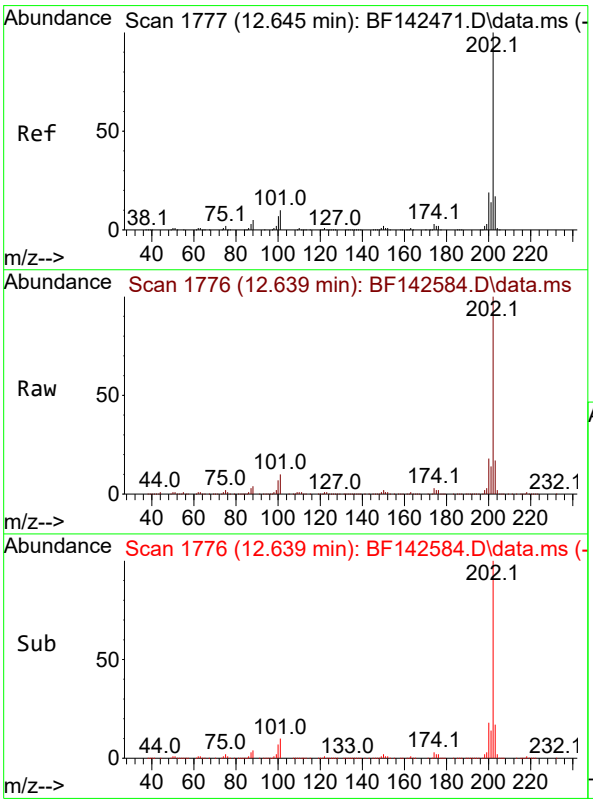
#72
Anthracene
Concen: 2.244 ng
RT: 11.498 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142584.D
Acq: 30 May 2025 22:11

Instrument :
BNA_F
ClientSampleId :
TP-50

Tgt Ion:178 Resp: 36095

Ion	Ratio	Lower	Upper
178	100		
176	18.8	14.6	21.8
179	16.1	12.4	18.6

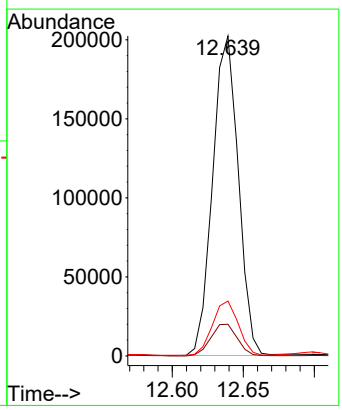


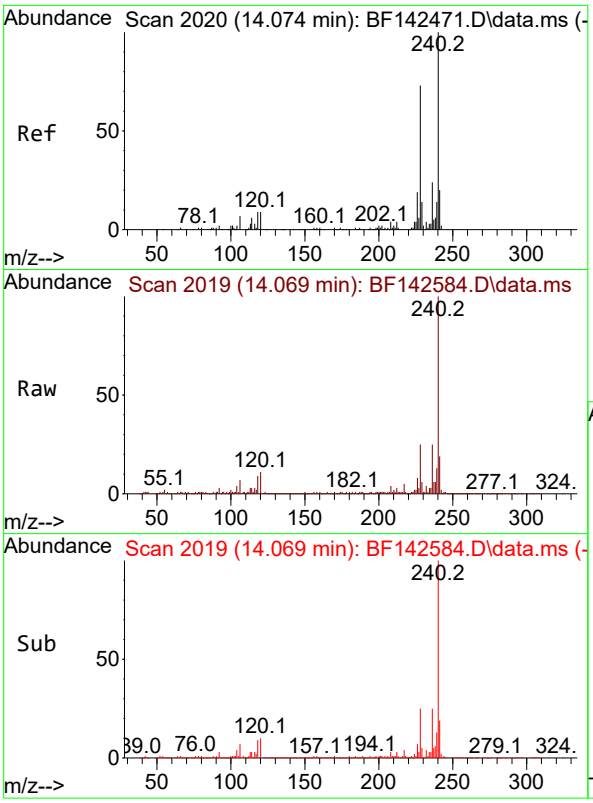


#75
Fluoranthene
Concen: 17.277 ng
RT: 12.639 min Scan# 1776
Delta R.T. -0.006 min
Lab File: BF142584.D
Acq: 30 May 2025 22:11

Tgt Ion:202 Resp: 254483

Ion	Ratio	Lower	Upper
202	100		
101	9.9	0.0	29.6
203	17.1	0.0	37.2



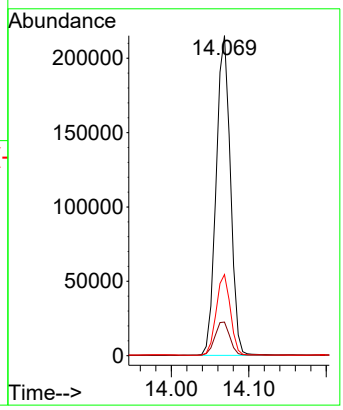


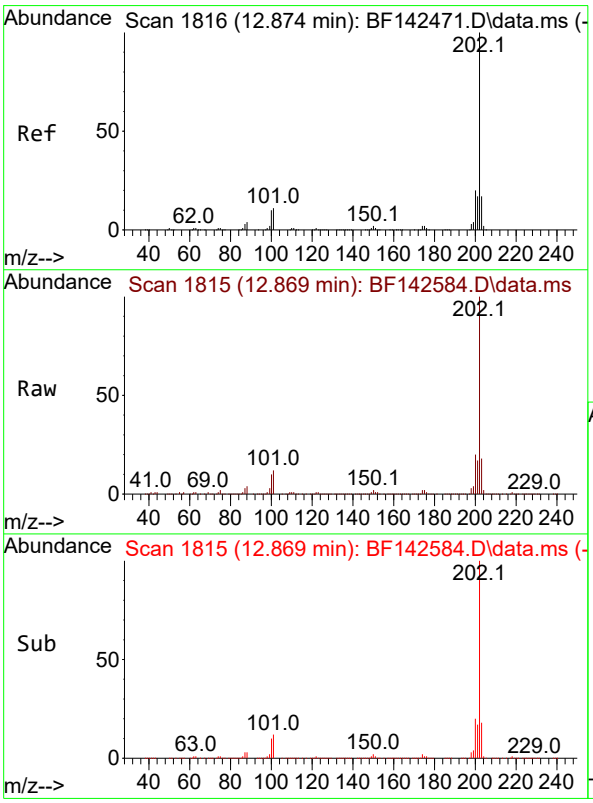
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.069 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142584.D
Acq: 30 May 2025 22:11

Instrument :
BNA_F
ClientSampleId :
TP-50

Tgt Ion:240 Resp: 274370

Ion	Ratio	Lower	Upper
240	100		
120	10.5	7.5	11.3
236	25.4	19.6	29.4

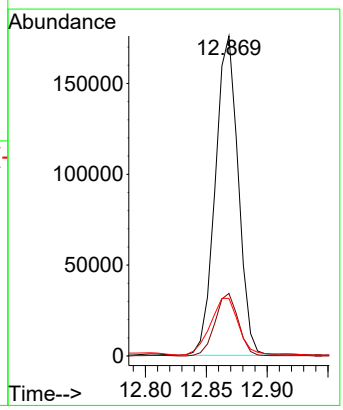


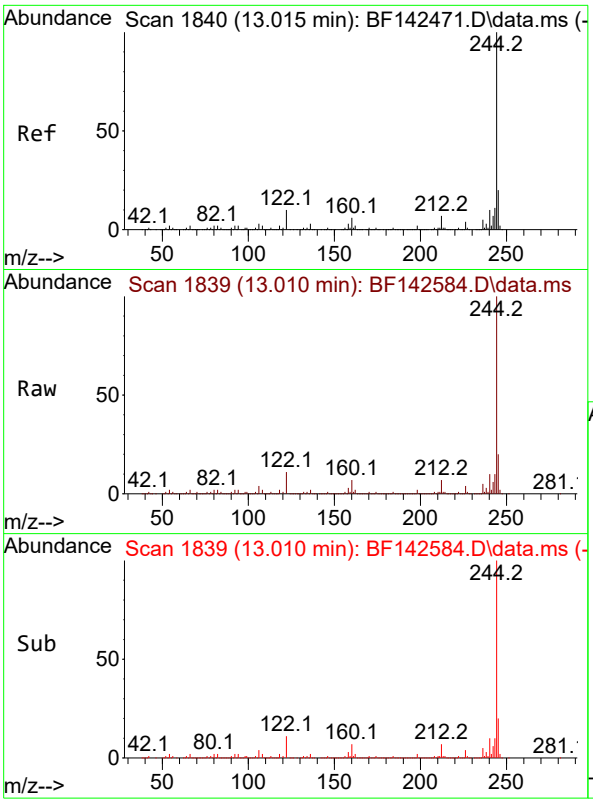


#78
Pyrene
Concen: 9.010 ng
RT: 12.869 min Scan# 1815
Delta R.T. -0.006 min
Lab File: BF142584.D
Acq: 30 May 2025 22:11

Tgt Ion:202 Resp: 230618

Ion	Ratio	Lower	Upper
202	100		
200	19.6	16.1	24.1
203	18.0	13.9	20.9



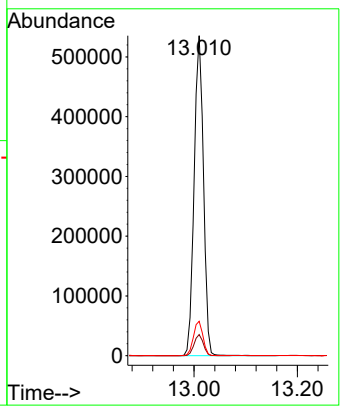


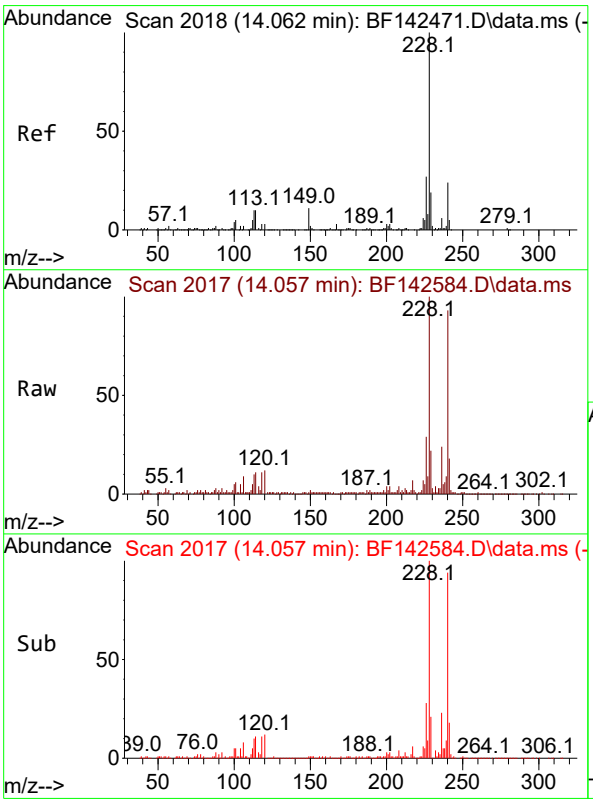
#79
Terphenyl-d14
Concen: 33.412 ng
RT: 13.010 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142584.D
Acq: 30 May 2025 22:11

Instrument :
BNA_F
ClientSampleId :
TP-50

Tgt Ion:244 Resp: 670828

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.3	7.9
122	10.8	8.2	12.2

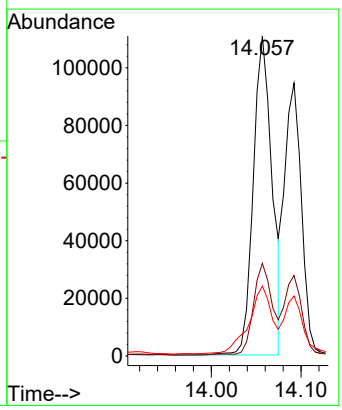


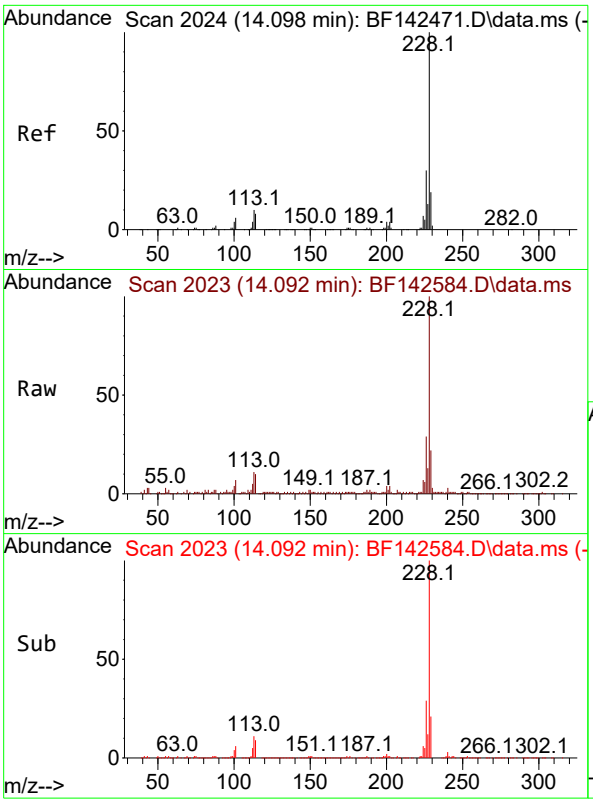


#81
Benzo(a)anthracene
Concen: 8.812 ng
RT: 14.057 min Scan# 2017
Delta R.T. -0.006 min
Lab File: BF142584.D
Acq: 30 May 2025 22:11

Tgt Ion:228 Resp: 161449

Ion	Ratio	Lower	Upper
228	100		
226	29.0	21.2	31.8
229	21.9	15.5	23.3



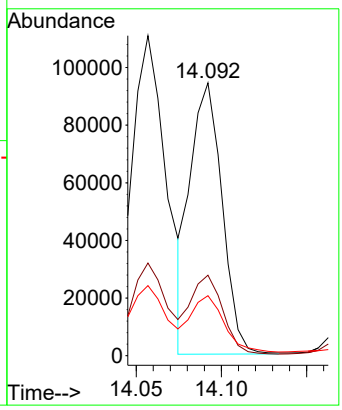


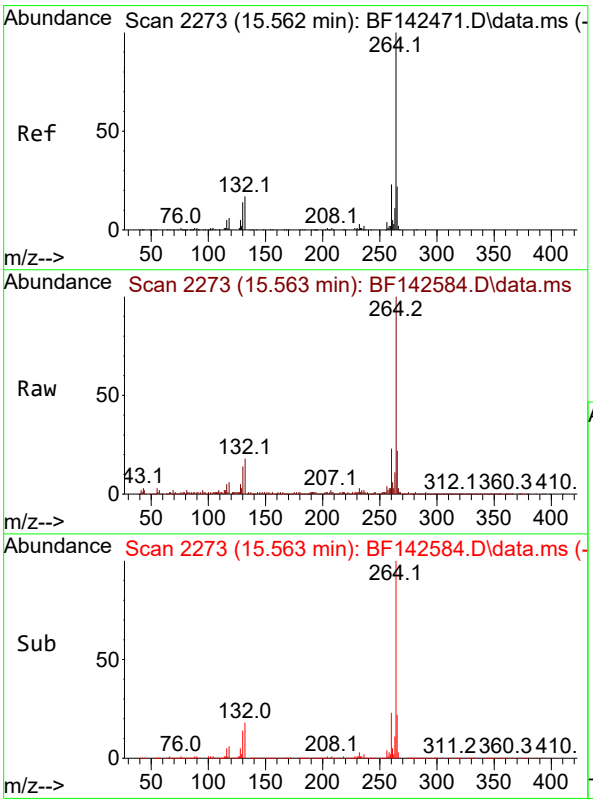
#83
Chrysene
Concen: 7.413 ng
RT: 14.092 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF142584.D
Acq: 30 May 2025 22:11

Instrument :
BNA_F
ClientSampleId :
TP-50

Tgt Ion:228 Resp: 122044

Ion	Ratio	Lower	Upper
228	100		
226	29.5	23.8	35.6
229	22.0	15.4	23.2

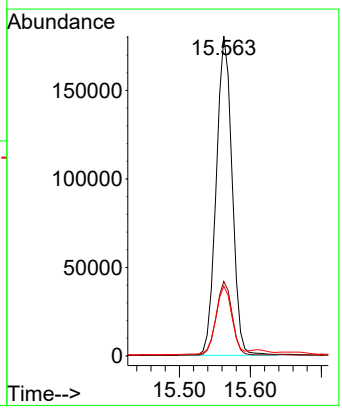


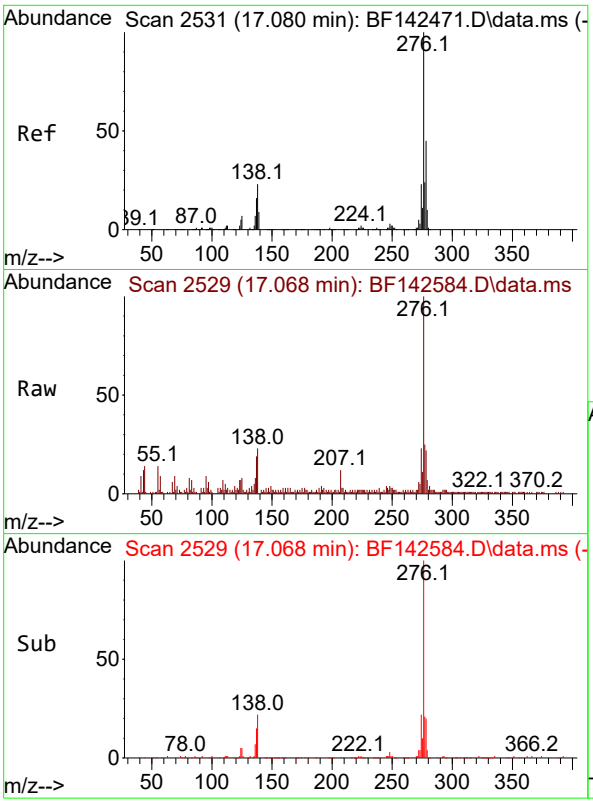


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.563 min Scan# 2273
Delta R.T. -0.006 min
Lab File: BF142584.D
Acq: 30 May 2025 22:11

Tgt Ion:264 Resp: 279386

Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.6	28.0
265	21.8	17.7	26.5



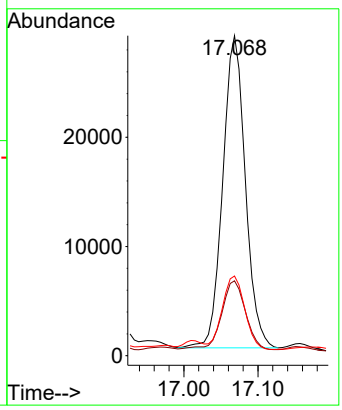


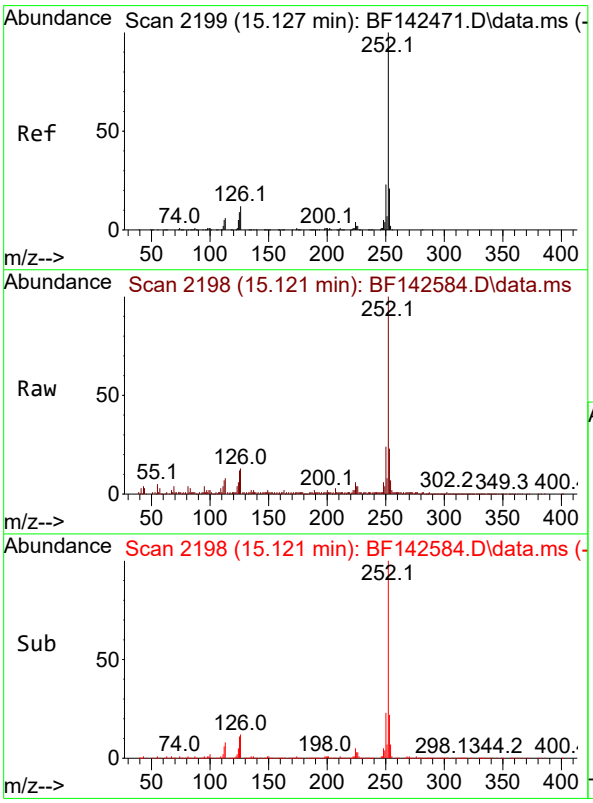
#87
Indeno(1,2,3-cd)pyrene
Concen: 2.884 ng
RT: 17.068 min Scan# 2
Delta R.T. -0.023 min
Lab File: BF142584.D
Acq: 30 May 2025 22:11

Instrument :
BNA_F
ClientSampleId :
TP-50

Tgt Ion:276 Resp: 60492

Ion	Ratio	Lower	Upper
276	100		
138	23.4	19.9	29.9
277	23.5	20.2	30.2

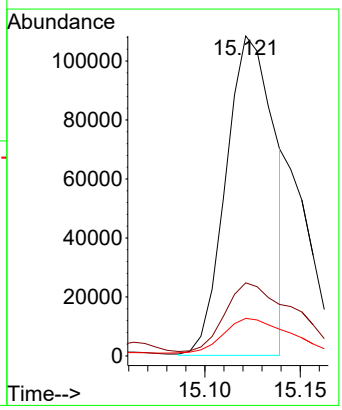


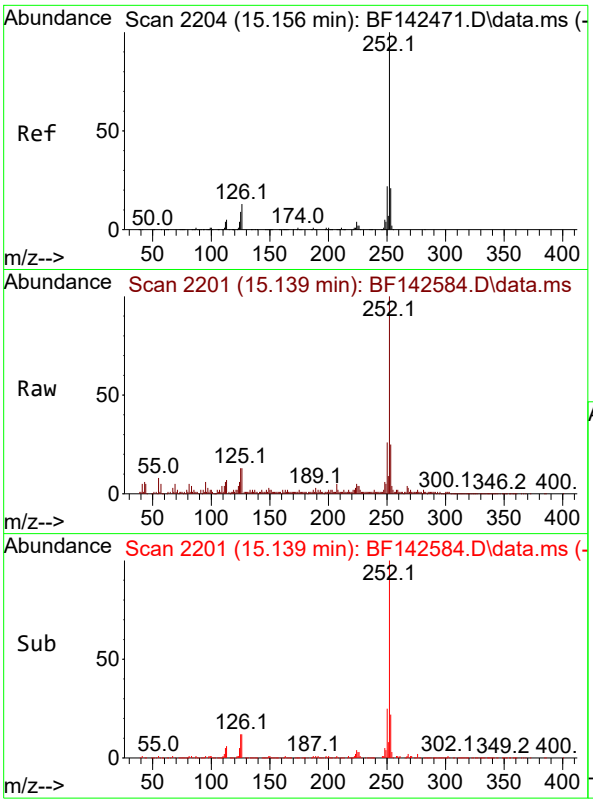


#88
Benzo(b)fluoranthene
Concen: 11.477 ng m
RT: 15.121 min Scan# 2198
Delta R.T. -0.006 min
Lab File: BF142584.D
Acq: 30 May 2025 22:11

Tgt Ion:252 Resp: 189779

Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.0	25.4
125	11.8	7.4	11.0#



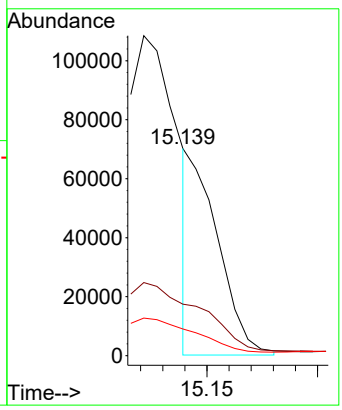


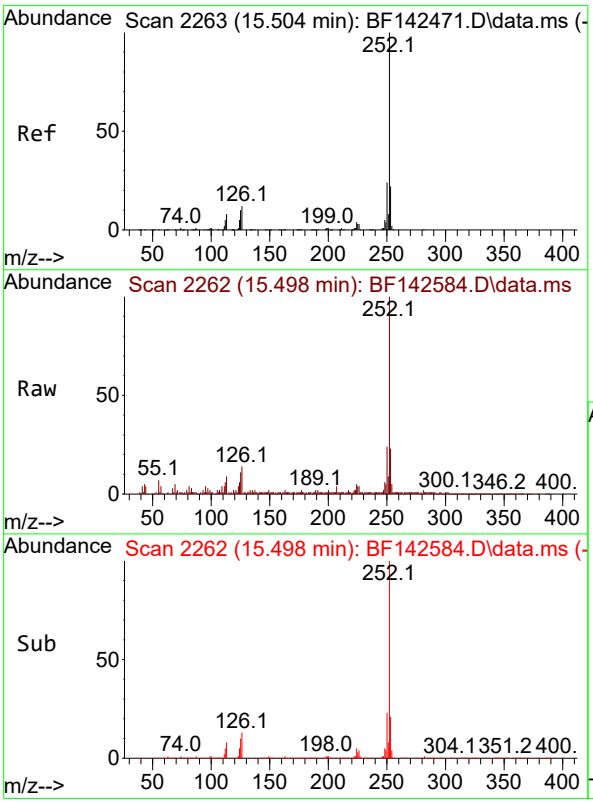
#89
Benzo(k)fluoranthene
Concen: 3.964 ng m
RT: 15.139 min Scan# 2
Delta R.T. -0.023 min
Lab File: BF142584.D
Acq: 30 May 2025 22:11

Instrument :
BNA_F
ClientSampleId :
TP-50

Tgt Ion:252 Resp: 61390

Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.0	25.4
125	12.9	7.3	10.9#

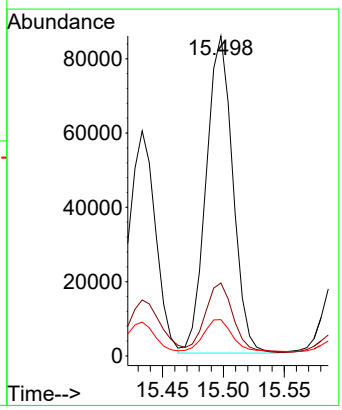


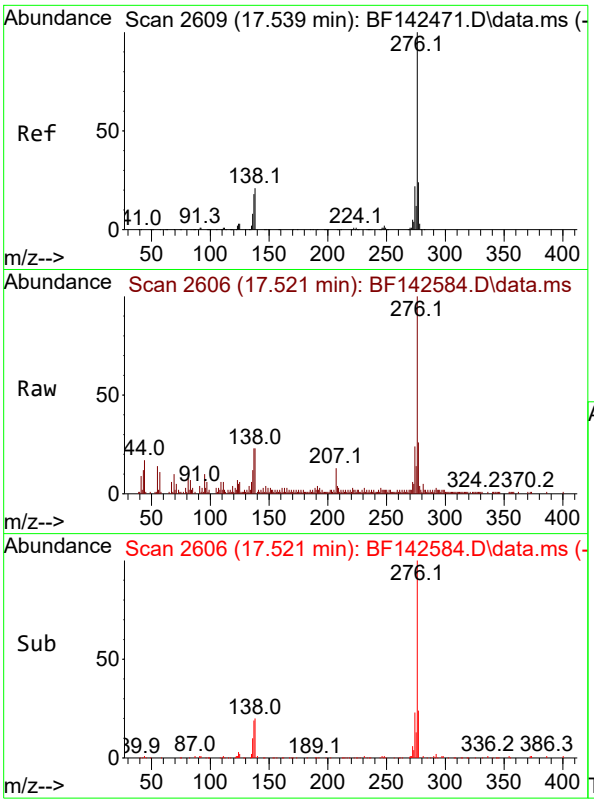


#90
Benzo(a)pyrene
Concen: 8.361 ng
RT: 15.498 min Scan# 2262
Delta R.T. -0.012 min
Lab File: BF142584.D
Acq: 30 May 2025 22:11

Tgt Ion:252 Resp: 130312

Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.4	26.0
125	11.4	7.9	11.9



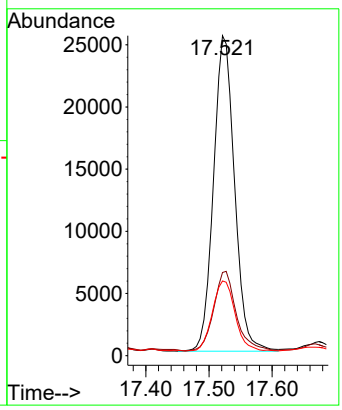


#92
Benzo(g,h,i)perylene
Concen: 3.450 ng
RT: 17.521 min Scan# 2
Delta R.T. -0.035 min
Lab File: BF142584.D
Acq: 30 May 2025 22:11

Instrument :
BNA_F
ClientSampleId :
TP-50

Tgt Ion:276 Resp: 58698

Ion	Ratio	Lower	Upper
276	100		
277	26.0	19.2	28.8
138	23.4	16.8	25.2



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053025\
Data File : BF142584.D
Acq On : 30 May 2025 22:11
Operator : RC/JU
Sample : Q2150-06
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-50

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-BF052025.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF142584.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.293	11	17	29	rVB	22407	39153	1.65%	0.188%
2	5.116	488	497	507	rBV	156927	237811	10.05%	1.141%
3	5.516	558	565	570	rBV	1514657	2071322	87.50%	9.934%
4	6.516	729	735	749	rVB	1472988	2021827	85.41%	9.696%
5	6.898	794	800	805	rBV	598320	750434	31.70%	3.599%
6	7.457	889	895	900	rBV	1020565	1305577	55.15%	6.261%
7	7.710	934	938	949	rVB	20316	27863	1.18%	0.134%
8	8.181	1013	1018	1030	rBV	748295	928074	39.20%	4.451%
9	9.257	1195	1201	1206	rBV	1845056	2367318	100.00%	11.353%
10	9.934	1311	1316	1321	rBV	710782	895006	37.81%	4.292%
11	10.481	1405	1409	1415	rVB	20887	28170	1.19%	0.135%
12	10.645	1432	1437	1445	rVB	113423	144926	6.12%	0.695%
13	10.722	1445	1450	1466	rBV	846599	1081535	45.69%	5.187%
14	11.281	1540	1545	1549	rBV2	72827	92708	3.92%	0.445%
15	11.339	1549	1555	1559	rVB2	24799	43302	1.83%	0.208%
16	11.422	1564	1569	1578	rBV2	566025	973547	41.12%	4.669%
17	11.498	1578	1582	1586	rVB	57450	69333	2.93%	0.333%
18	11.651	1603	1608	1616	rBV2	27204	50559	2.14%	0.242%
19	11.945	1651	1658	1664	rBV2	172289	300309	12.69%	1.440%
20	12.039	1670	1674	1682	rVB2	62549	113191	4.78%	0.543%
21	12.198	1697	1701	1703	rBV4	21211	31224	1.32%	0.150%
22	12.475	1744	1748	1751	rBV	24286	34467	1.46%	0.165%
23	12.510	1751	1754	1759	rVV2	17264	27360	1.16%	0.131%
24	12.563	1759	1763	1768	rVB2	23016	32932	1.39%	0.158%
25	12.639	1771	1776	1780	rBV	434455	553254	23.37%	2.653%
26	12.733	1788	1792	1796	rBV2	29834	41467	1.75%	0.199%
27	12.869	1808	1815	1820	rBV	384967	593346	25.06%	2.846%
28	13.010	1831	1839	1846	rBV	1406482	1830782	77.34%	8.780%
29	13.086	1847	1852	1856	rBV2	40405	71342	3.01%	0.342%
30	13.192	1863	1870	1874	rBV	60998	112525	4.75%	0.540%
31	13.263	1878	1882	1884	rBV	33273	38793	1.64%	0.186%
32	13.298	1884	1888	1892	rVV2	44393	54578	2.31%	0.262%
33	13.392	1901	1904	1906	rBV	20950	23854	1.01%	0.114%
34	13.704	1954	1957	1961	rVB	36981	48034	2.03%	0.230%
35	13.816	1972	1976	1978	rBV2	38028	56352	2.38%	0.270%
36	13.910	1988	1992	2001	rVB	119906	201180	8.50%	0.965%

Sample Results: **BF142584.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053025\
Data File : BF142584.D
Acq On : 30 May 2025 22:11
Operator : RC/JU
Sample : Q2150-06
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-50

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-BF052025.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	14.063	2012	2018	2029	rBV2	732753	1452452	61.35%	6.966%
38	15.121	2193	2198	2207	rBV	284551	659973	27.88%	3.165%
39	15.433	2247	2251	2257	rVB	148894	240930	10.18%	1.155%
40	15.498	2257	2262	2267	rBV	209688	331522	14.00%	1.590%
41	15.563	2268	2273	2285	rVB	467765	872822	36.87%	4.186%

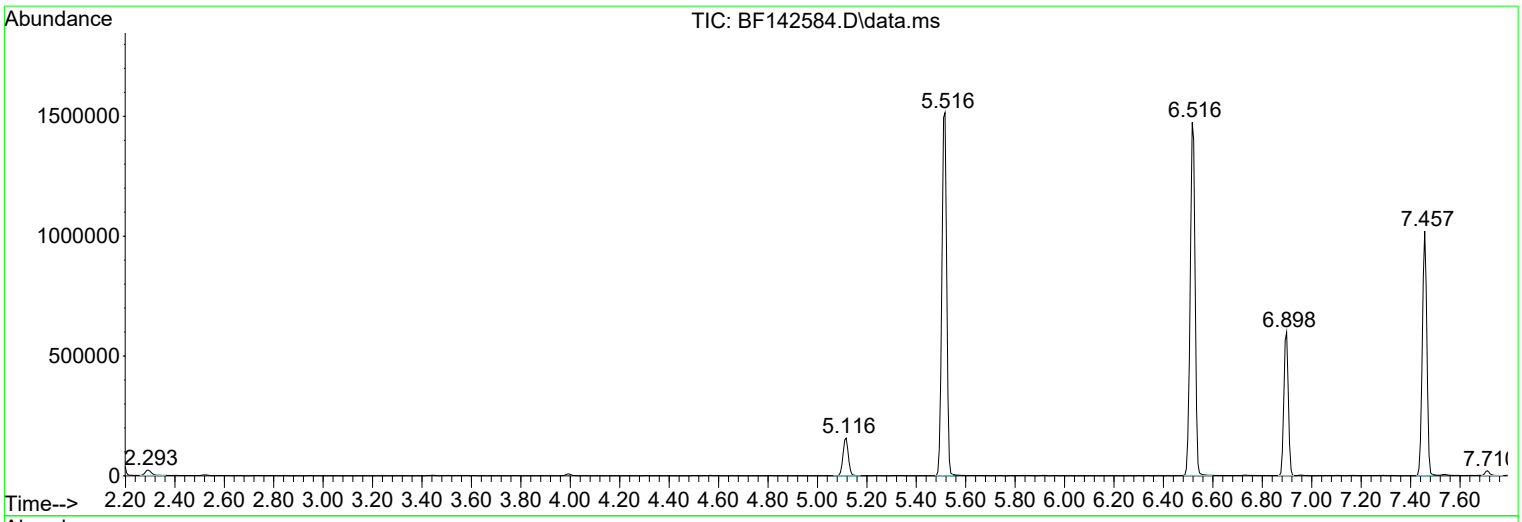
Sum of corrected areas: 20851154

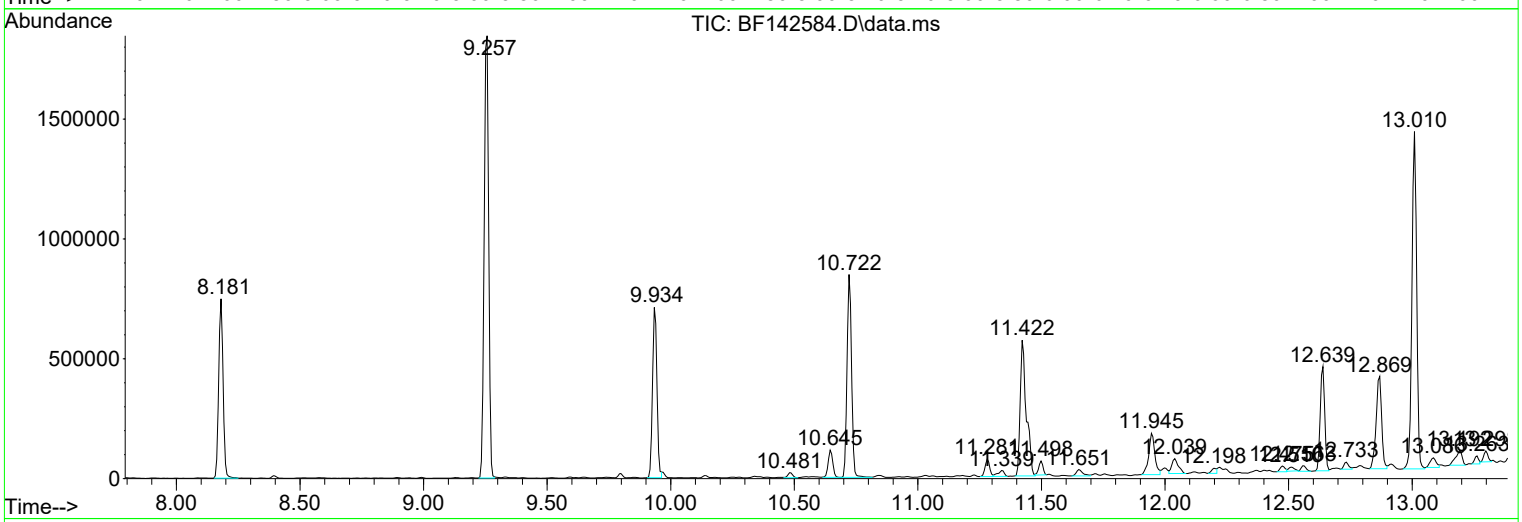
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053025\
Data File : BF142584.D
Acq On : 30 May 2025 22:11
Operator : RC/JU
Sample : Q2150-06
Misc :
ALS Vial : 20 Sample Multiplier: 1

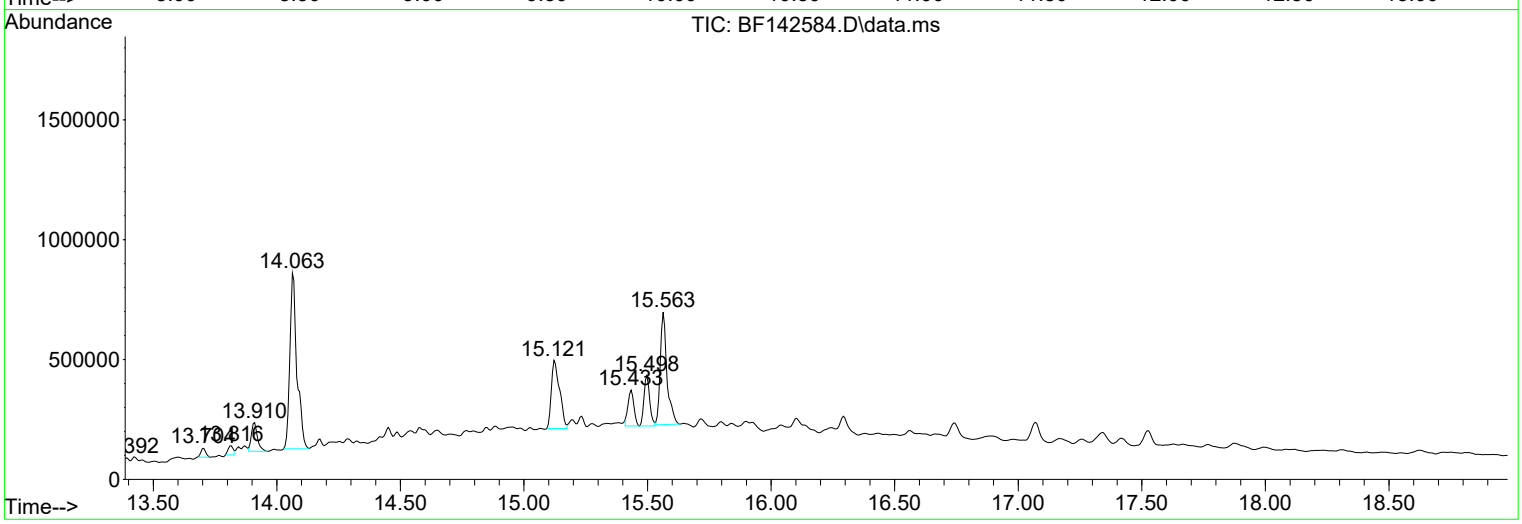
Instrument :
BNA_F
ClientSampleId :
TP-50

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.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\BF053025\
Data File : BF142584.D
Acq On : 30 May 2025 22:11
Operator : RC/JU
Sample : Q2150-06
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-50

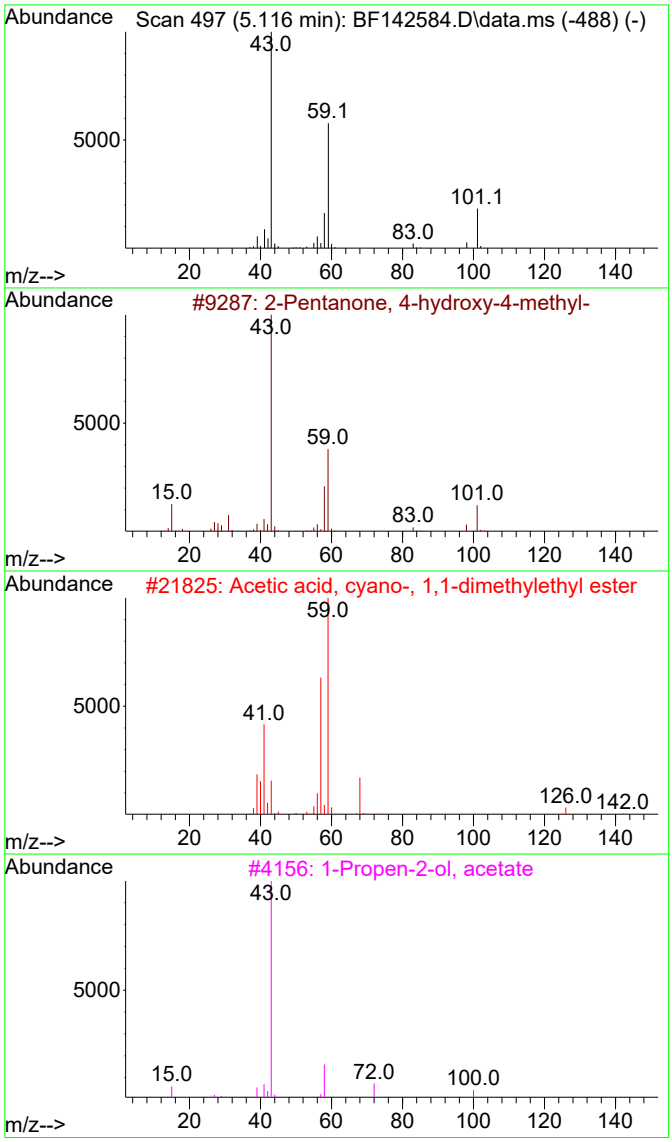
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

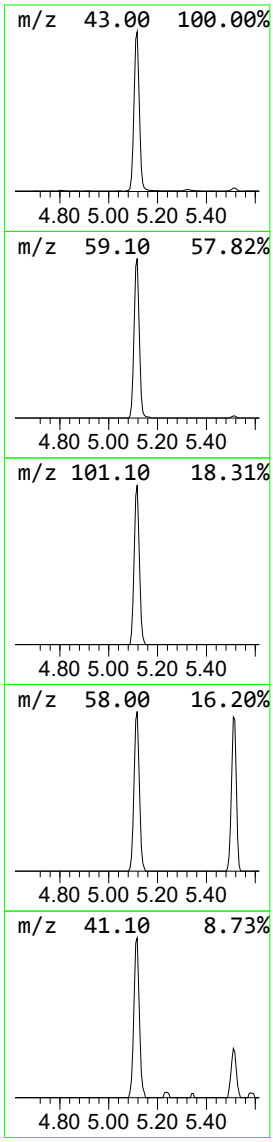
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.116	6.34 ng	237811	1,4-Dichlorobenzene-d4	6.898

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
3	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	12
4	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
5	1-Butanol, 3-methoxy-	104	C5H12O2	002517-43-3	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053025\
Data File : BF142584.D
Acq On : 30 May 2025 22:11
Operator : RC/JU
Sample : Q2150-06
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-50

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

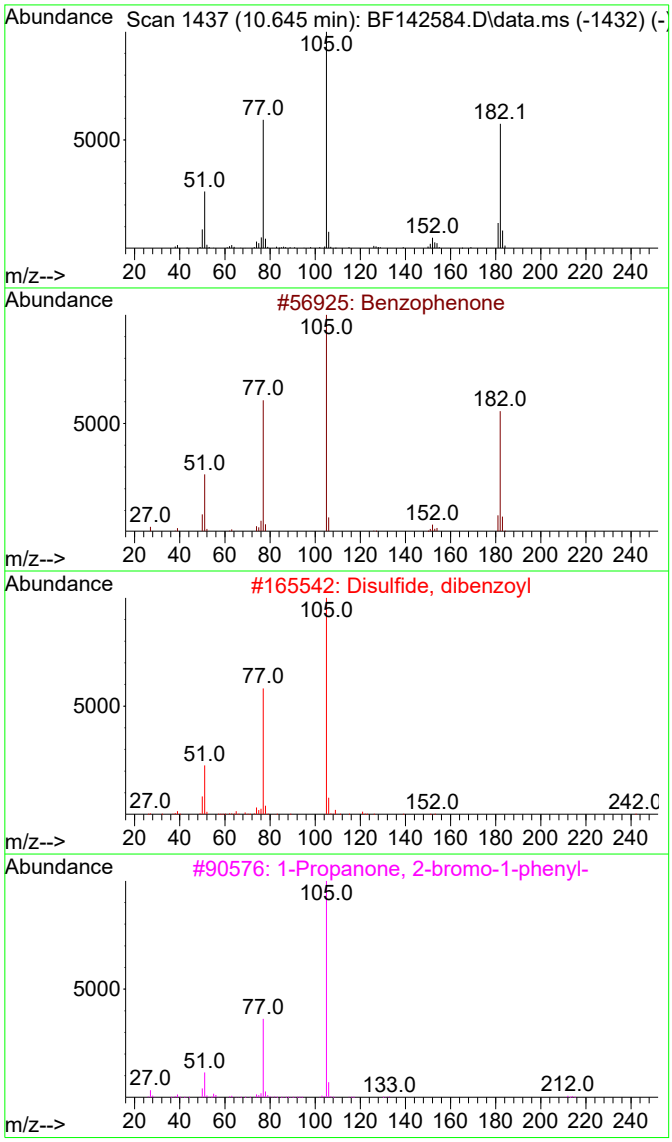
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

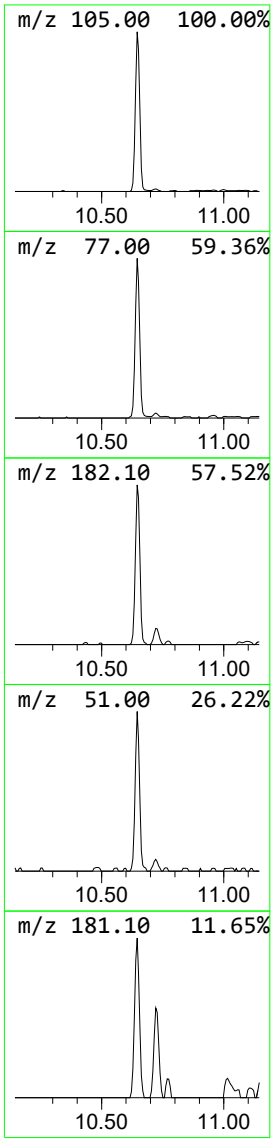
****

Peak Number 2 Benzophenone Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.645	3.24 ng	144926	Acenaphthene-d10	9.934

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	Disulfide, dibenzoyl	274	C14H10O2S2	000644-32-6	49
3	1-Propanone, 2-bromo-1-phenyl-	212	C9H9BrO	002114-00-3	47
4	acetic acid, 2-bromo-, 2-oxo-2-p...	256	C10H9BrO3	1000401-50-0	47
5	Benzenebutanoic acid, .gamma.-oxo-	178	C10H10O3	002051-95-8	47





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Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053025\
Data File : BF142584.D
Acq On    : 30 May 2025  22:11
Operator  : RC/JU
Sample    : Q2150-06
Misc      :
ALS Vial  : 20   Sample Multiplier: 1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title  : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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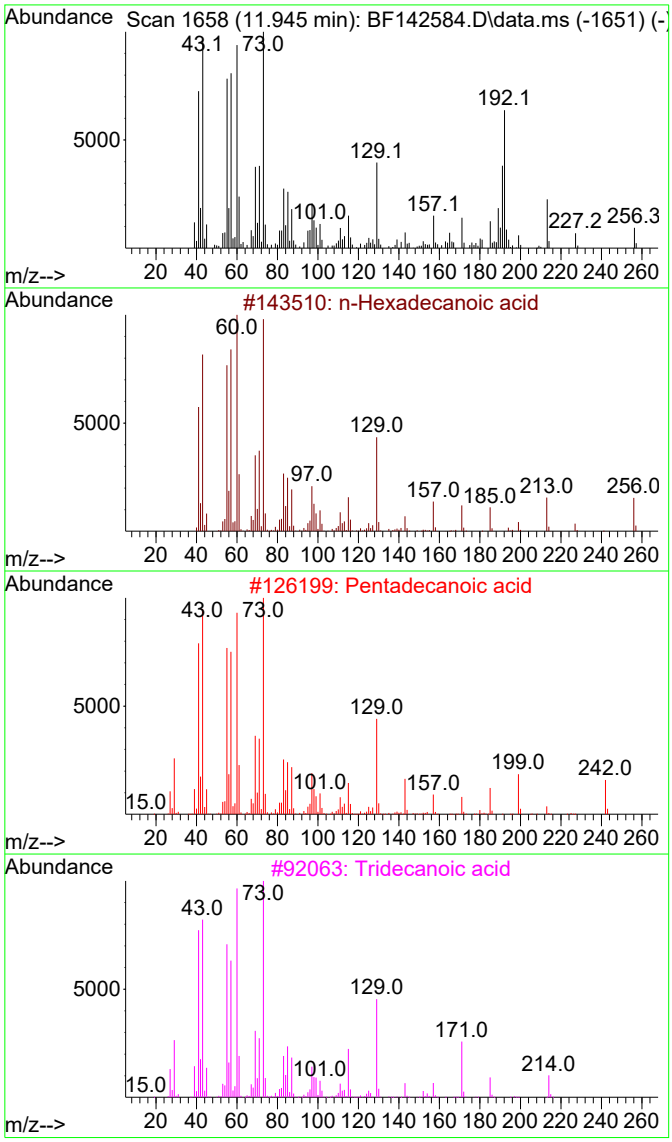
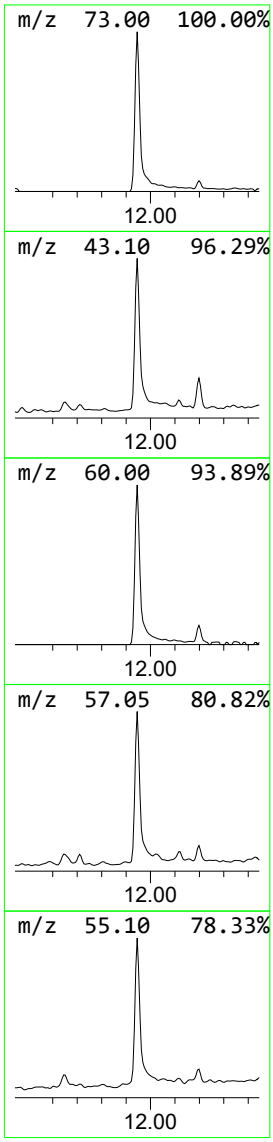

Instrument : BNA_F
ClientSampleId : TP-50

Peak Number 3 n-Hexadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.945	6.17 ng	300309	Phenanthrene-d10	11.422

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	86
3	Tridecanoic acid	214	C13H26O2	000638-53-9	83
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	59
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	55





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053025\
Data File : BF142584.D
Acq On : 30 May 2025 22:11
Operator : RC/JU
Sample : Q2150-06
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-50

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

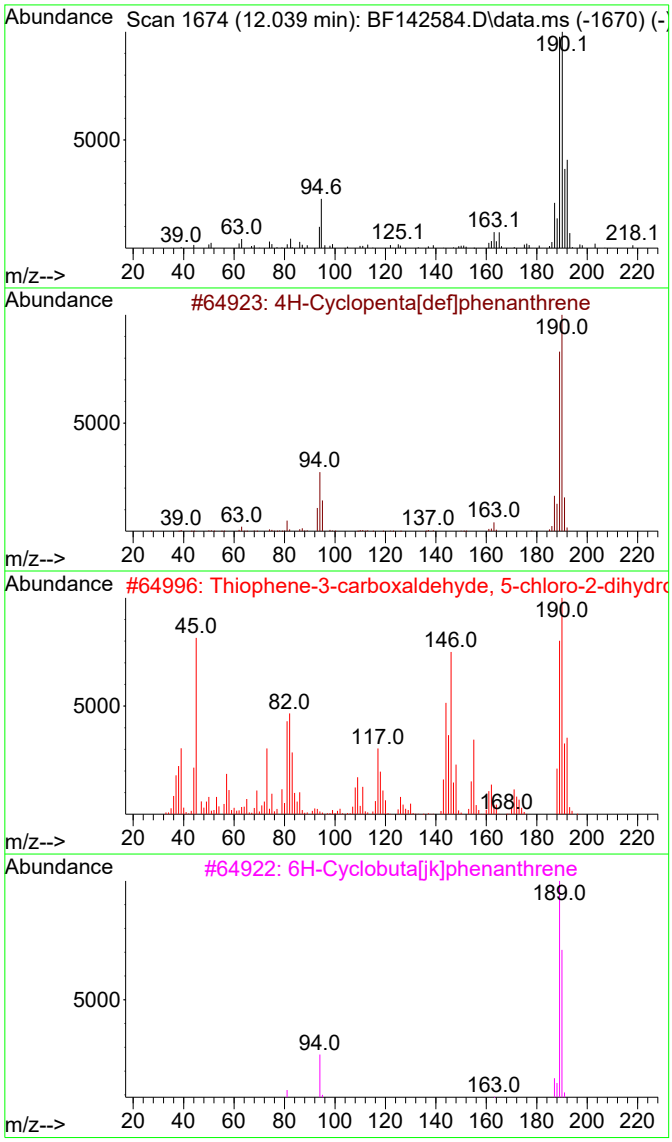
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

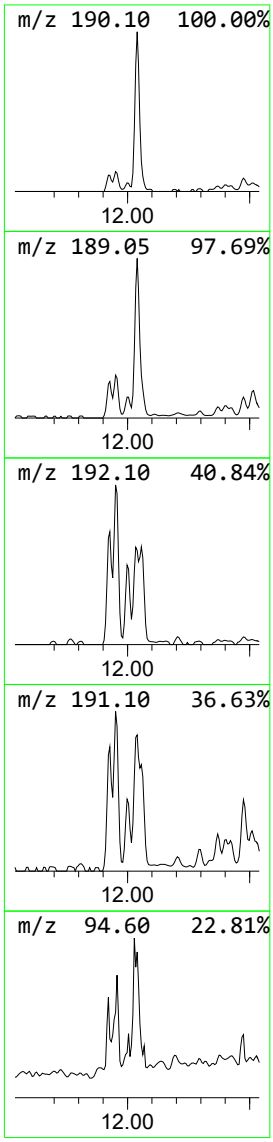
****

Peak Number 4 4H-Cyclopenta[def]phenanthrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.039	2.33 ng	113191	Phenanthrene-d10	11.422

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	81
2	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	50
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	45
4	Carbonic acid, ethyl 2-formyl-4,...	262	C10H8Cl2O4	1000331-34-4	40
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	36





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053025\
Data File : BF142584.D
Acq On : 30 May 2025 22:11
Operator : RC/JU
Sample : Q2150-06
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-50

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

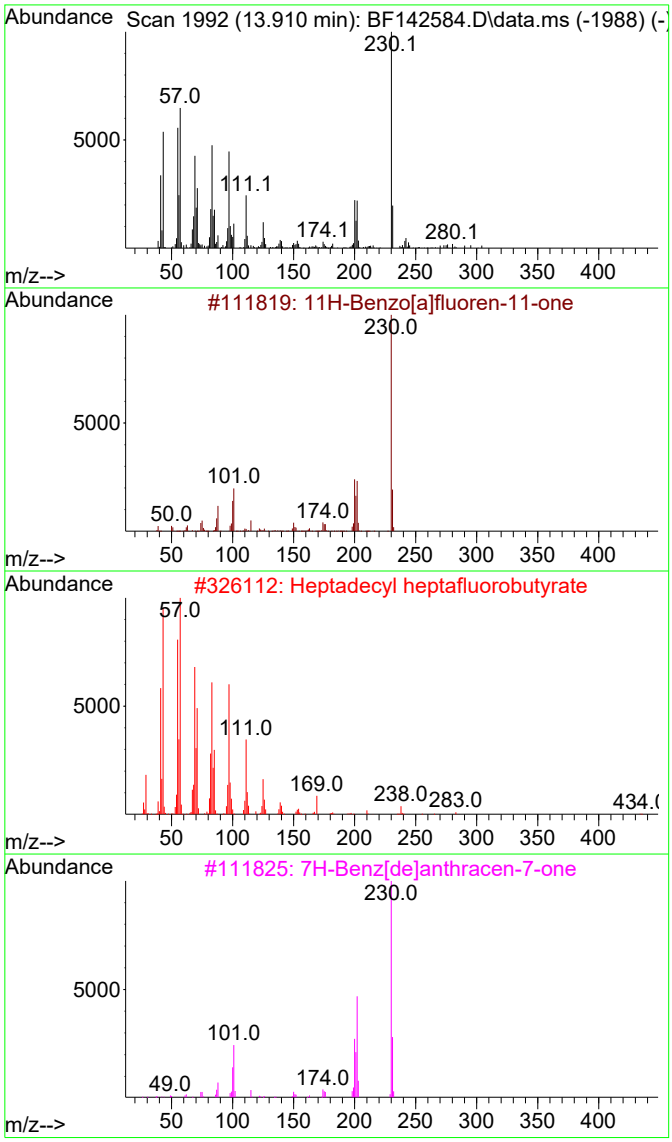
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

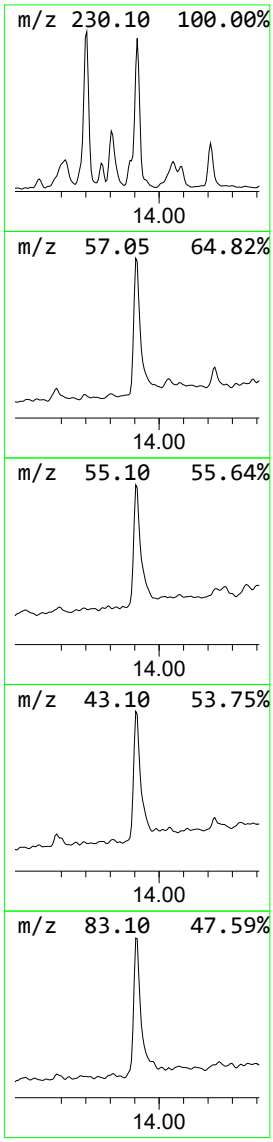
****

Peak Number 5 11H-Benzo[a]fluoren-11-one Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.910	2.77 ng	201180	Chrysene-d12	14.069

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	89
2	Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	55
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	55
4	Heptafluorobutyric acid, hexadec...	438	C20H33F7O2	006385-15-5	53
5	Cycloeicosane	280	C20H40	000296-56-0	45





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053025\
Data File : BF142584.D
Acq On : 30 May 2025 22:11
Operator : RC/JU
Sample : Q2150-06
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-50

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

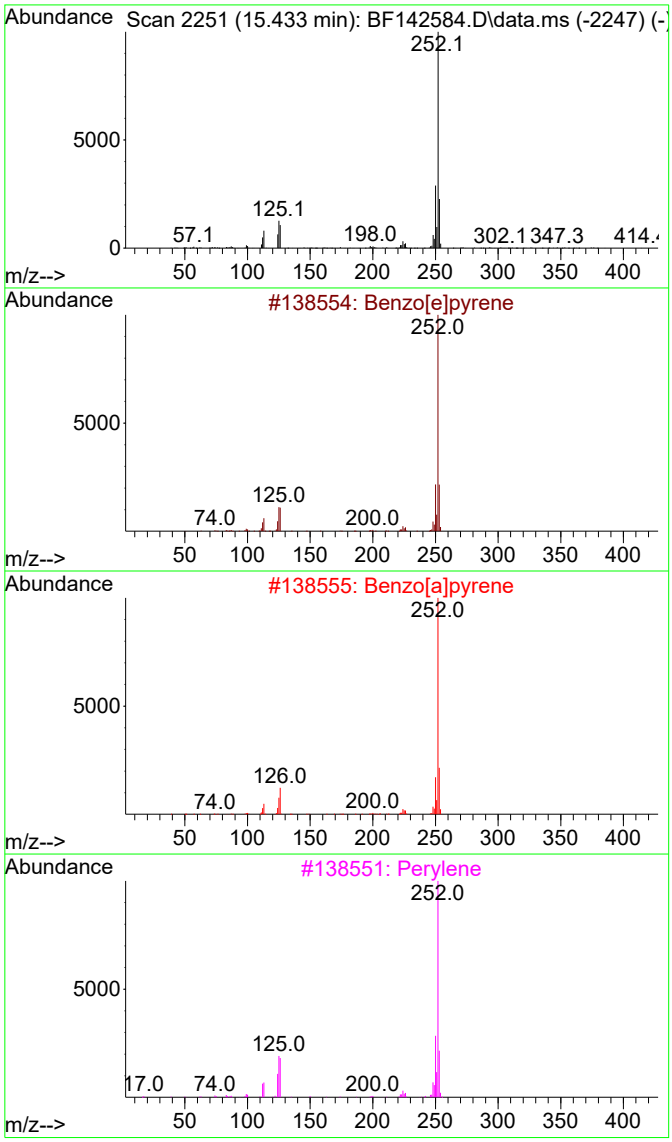
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

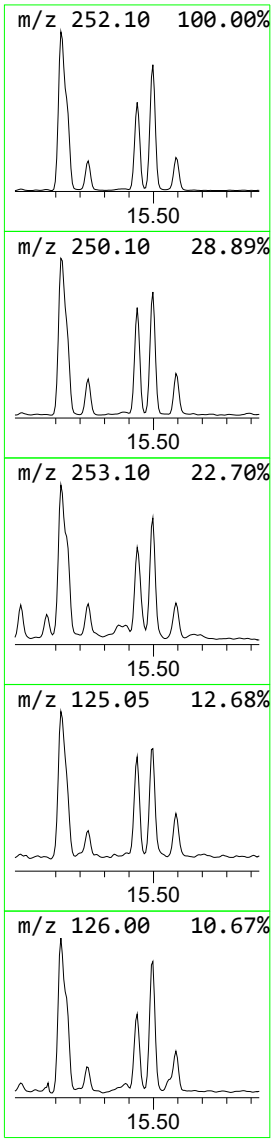
****

Peak Number 6 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.433	5.52 ng	240930	Perylene-d12	15.563

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Benzo[a]pyrene	252	C20H12	000050-32-8	97
3	Perylene	252	C20H12	000198-55-0	93
4	Benzo[b]fluoranthene	252	C20H12	000205-99-2	93
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053025\
Data File : BF142584.D
Acq On : 30 May 2025 22:11
Operator : RC/JU
Sample : Q2150-06
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-50

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.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-...	5.116	6.3	ng	237811	1	6.898	750434	20.0
Benzophenone	10.645	3.2	ng	144926	3	9.934	895006	20.0
n-Hexadecanoic ...	11.945	6.2	ng	300309	4	11.422	973547	20.0
4H-Cyclopenta[d...	12.039	2.3	ng	113191	4	11.422	973547	20.0
11H-Benzo[a]flu...	13.910	2.8	ng	201180	5	14.069	1452450	20.0
Benzo[e]pyrene	15.433	5.5	ng	240930	6	15.563	872822	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053025\
Data File : BF142579.D
Acq On : 30 May 2025 19:45
Operator : RC/JU
Sample : Q2150-07
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-51

Quant Time: May 30 22:29:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration

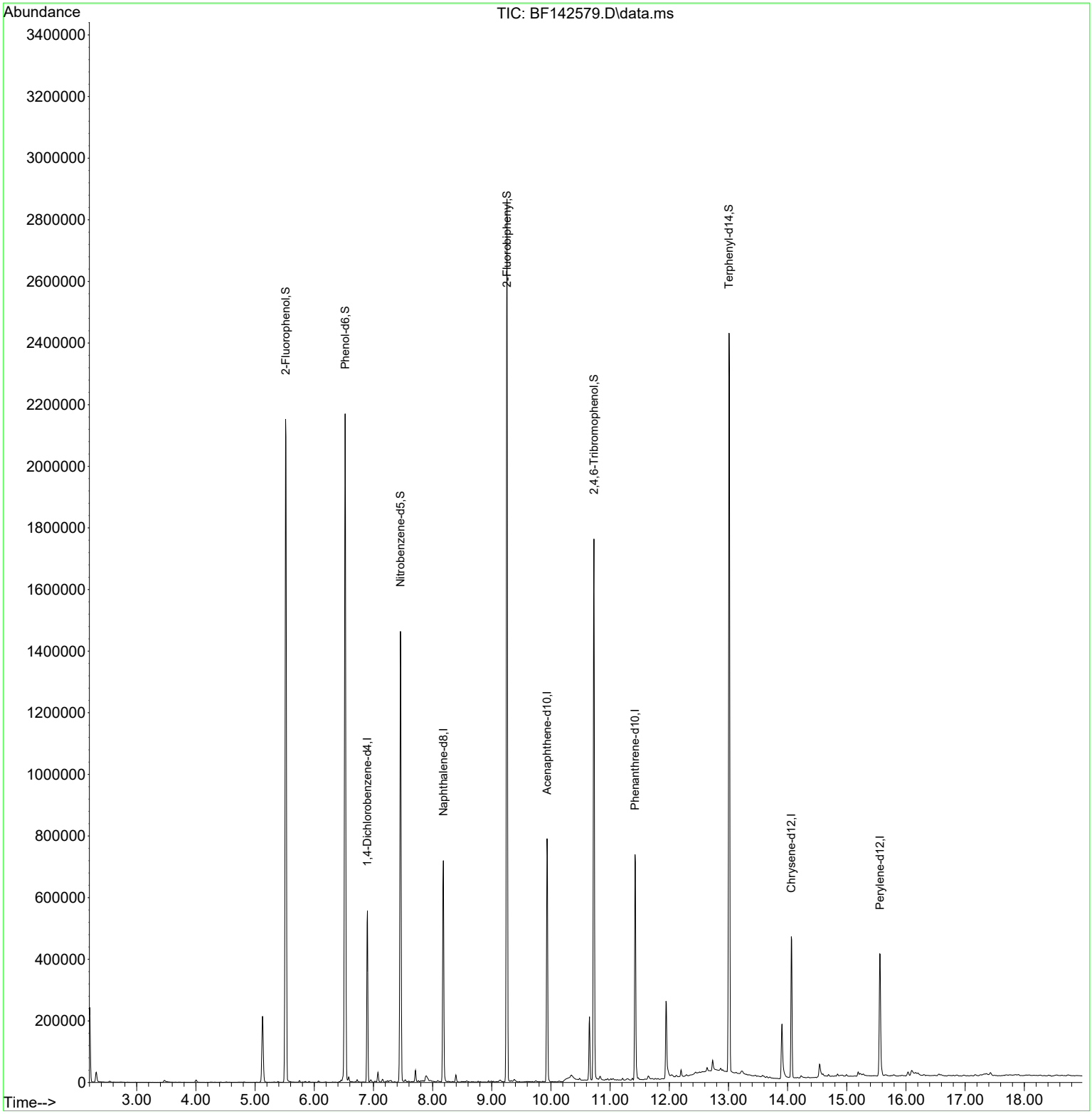
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	123122	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	465540	20.000	ng	0.00
39) Acenaphthene-d10	9.933	164	241553	20.000	ng	-0.01
64) Phenanthrene-d10	11.422	188	396120	20.000	ng	-0.01
76) Chrysene-d12	14.063	240	234971	20.000	ng	-0.01
86) Perylene-d12	15.562	264	241563	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	892849	122.174	ng	0.00
7) Phenol-d6	6.522	99	1110920	126.283	ng	-0.01
23) Nitrobenzene-d5	7.457	82	666097	78.020	ng	-0.02
42) 2,4,6-Tribromophenol	10.727	330	325495	121.411	ng	-0.01
45) 2-Fluorobiphenyl	9.257	172	1311542	72.858	ng	-0.01
79) Terphenyl-d14	13.010	244	1212570	70.521	ng	0.00
Target Compounds						Qvalue

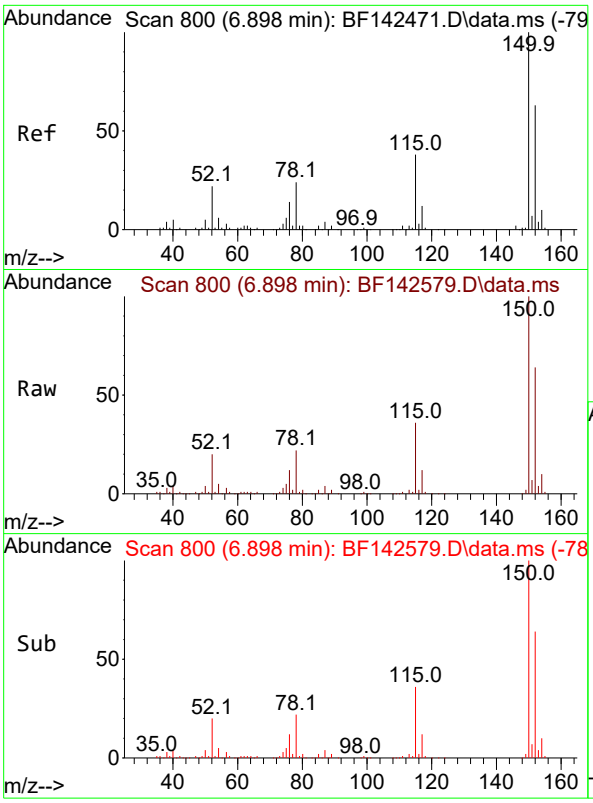
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053025\
Data File : BF142579.D
Acq On : 30 May 2025 19:45
Operator : RC/JU
Sample : Q2150-07
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-51

Quant Time: May 30 22:29:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration



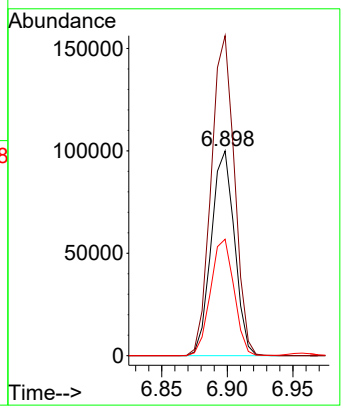


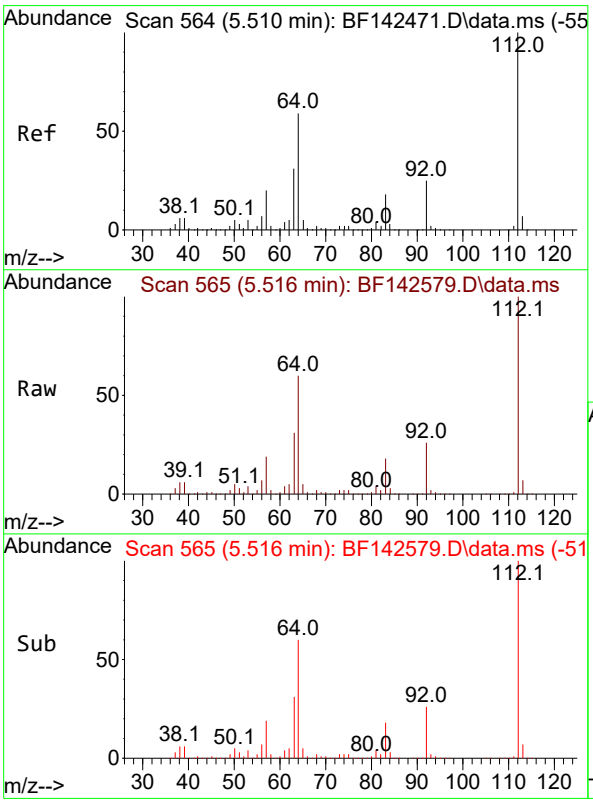
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142579.D
Acq: 30 May 2025 19:45

Instrument :
BNA_F
ClientSampleId :
TP-51

Tgt Ion:152 Resp: 123122

Ion	Ratio	Lower	Upper
152	100		
150	156.2	128.2	192.4
115	56.8	48.3	72.5

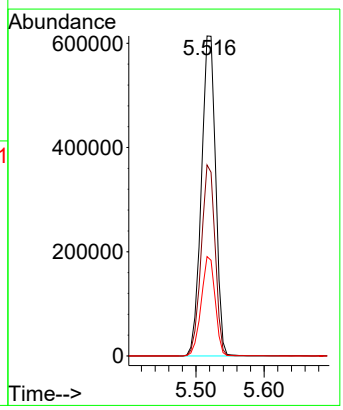


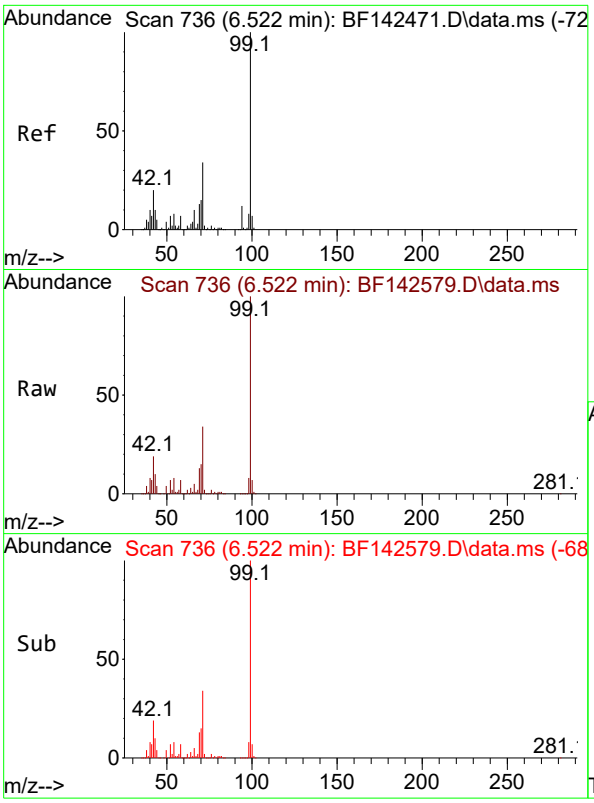


#5
2-Fluorophenol
Concen: 122.174 ng
RT: 5.516 min Scan# 565
Delta R.T. 0.000 min
Lab File: BF142579.D
Acq: 30 May 2025 19:45

Tgt Ion:112 Resp: 892849

Ion	Ratio	Lower	Upper
112	100		
64	59.7	47.5	71.3
63	31.1	24.9	37.3



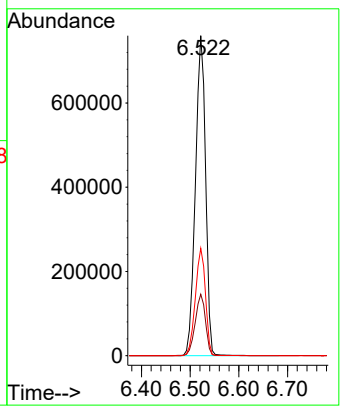


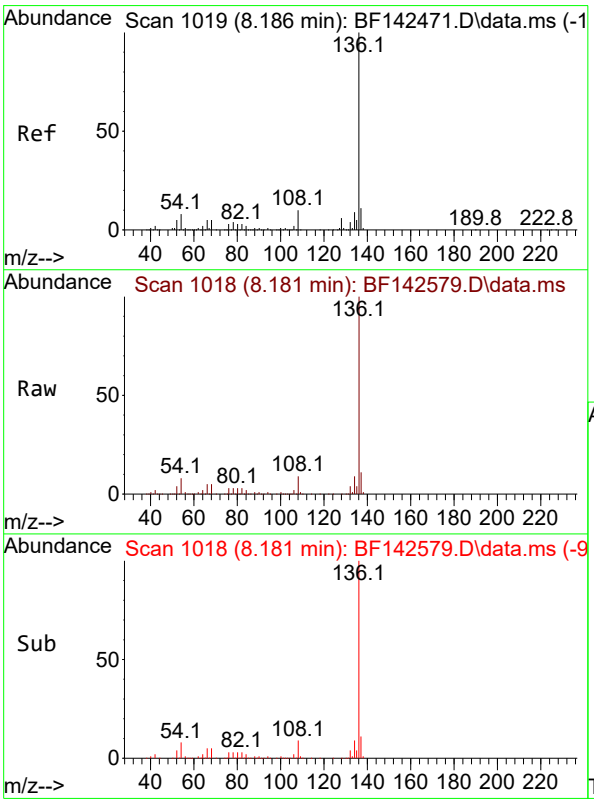
#7
Phenol-d6
Concen: 126.283 ng
RT: 6.522 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF142579.D
Acq: 30 May 2025 19:45

Instrument :
BNA_F
ClientSampleId :
TP-51

Tgt Ion: 99 Resp: 1110920

Ion	Ratio	Lower	Upper
99	100		
42	19.2	16.2	24.2
71	33.6	27.3	40.9

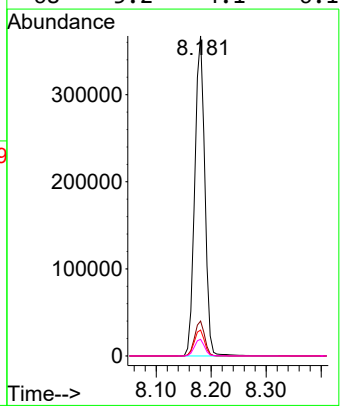


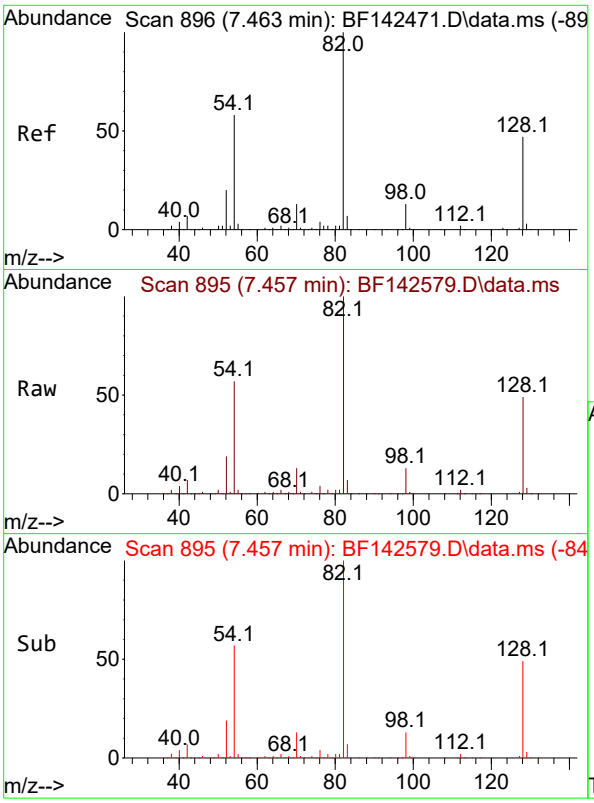


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF142579.D
Acq: 30 May 2025 19:45

Tgt Ion:136 Resp: 465540

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	8.1	6.6	10.0
68	5.2	4.1	6.1



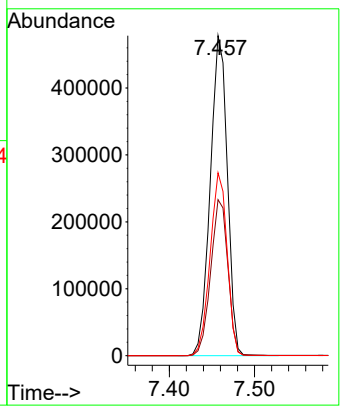


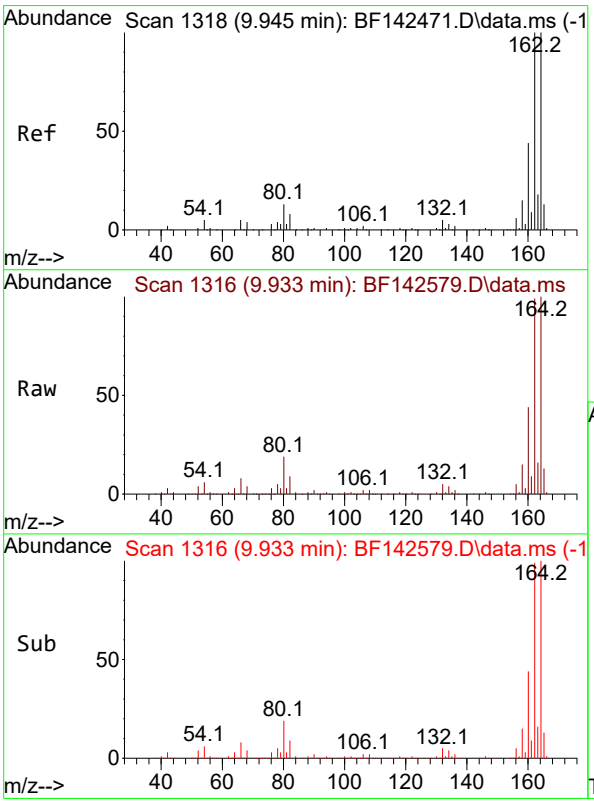
#23
Nitrobenzene-d5
Concen: 78.020 ng
RT: 7.457 min Scan# 8
Delta R.T. -0.018 min
Lab File: BF142579.D
Acq: 30 May 2025 19:45

Instrument :
BNA_F
ClientSampleId :
TP-51

Tgt Ion: 82 Resp: 666097

Ion	Ratio	Lower	Upper
82	100		
128	48.7	37.4	56.2
54	57.2	46.6	70.0

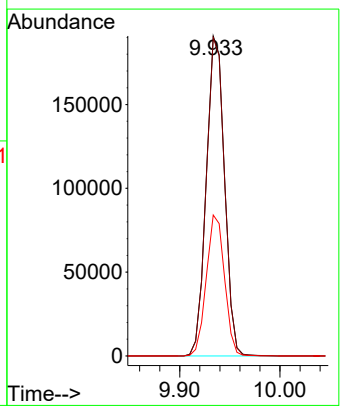


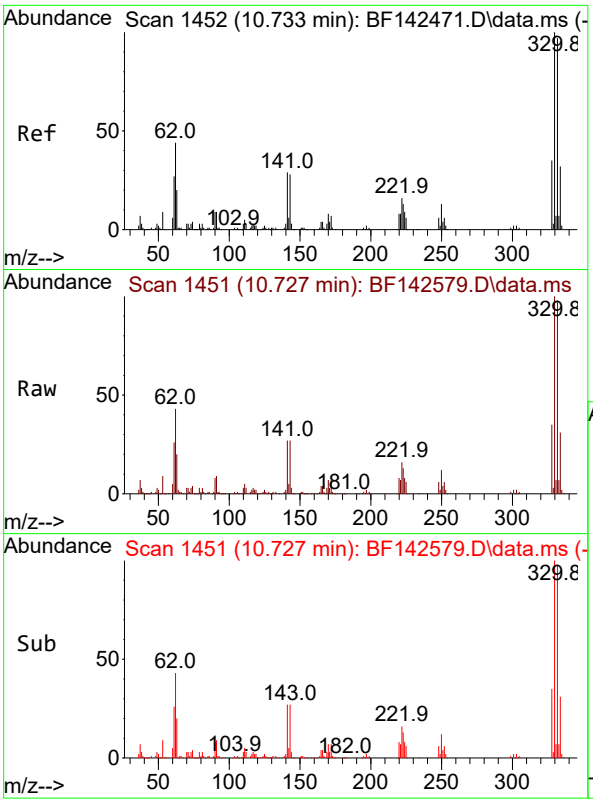


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.933 min Scan# 1316
Delta R.T. -0.012 min
Lab File: BF142579.D
Acq: 30 May 2025 19:45

Tgt Ion:164 Resp: 241553

Ion	Ratio	Lower	Upper
164	100		
162	99.5	80.2	120.4
160	44.0	35.6	53.4



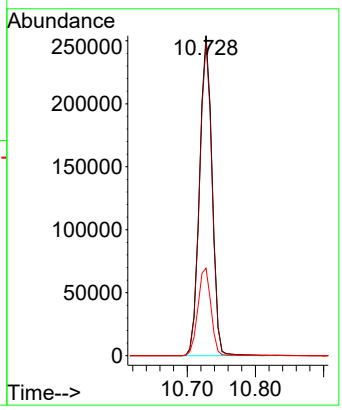


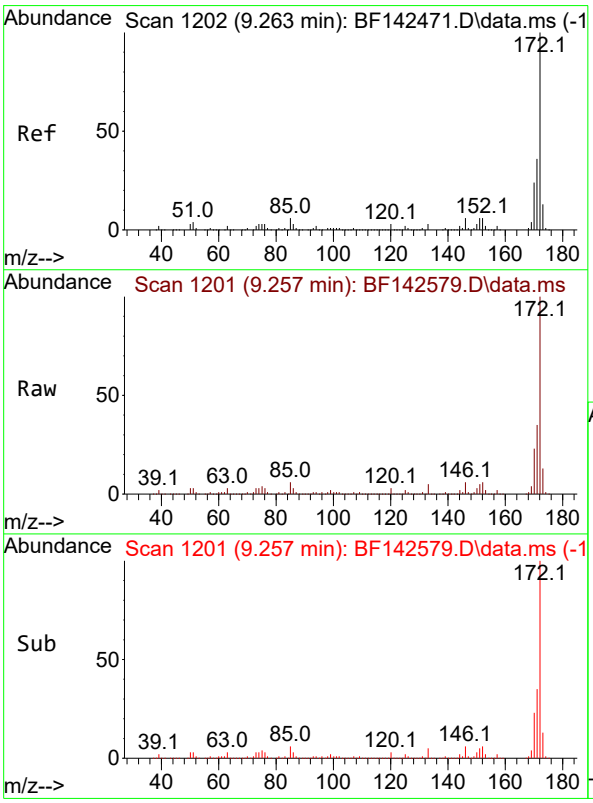
#42
2,4,6-Tribromophenol
Concen: 121.411 ng
RT: 10.727 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF142579.D
Acq: 30 May 2025 19:45

Instrument :
BNA_F
ClientSampleId :
TP-51

Tgt Ion:330 Resp: 325495

Ion	Ratio	Lower	Upper
330	100		
332	97.7	77.6	116.4
141	28.5	24.6	36.8

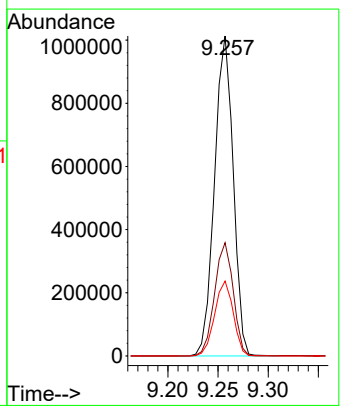


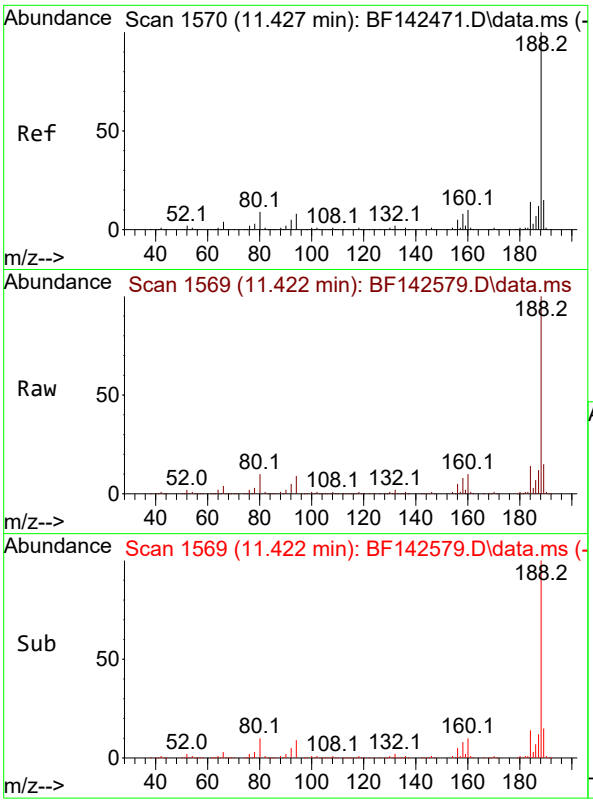


#45
2-Fluorobiphenyl
Concen: 72.858 ng
RT: 9.257 min Scan# 1201
Delta R.T. -0.012 min
Lab File: BF142579.D
Acq: 30 May 2025 19:45

Tgt Ion:172 Resp: 1311542

Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.6	42.8
170	23.4	18.9	28.3



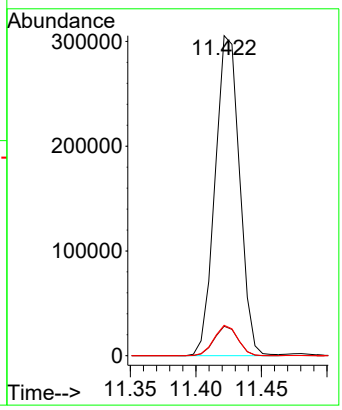


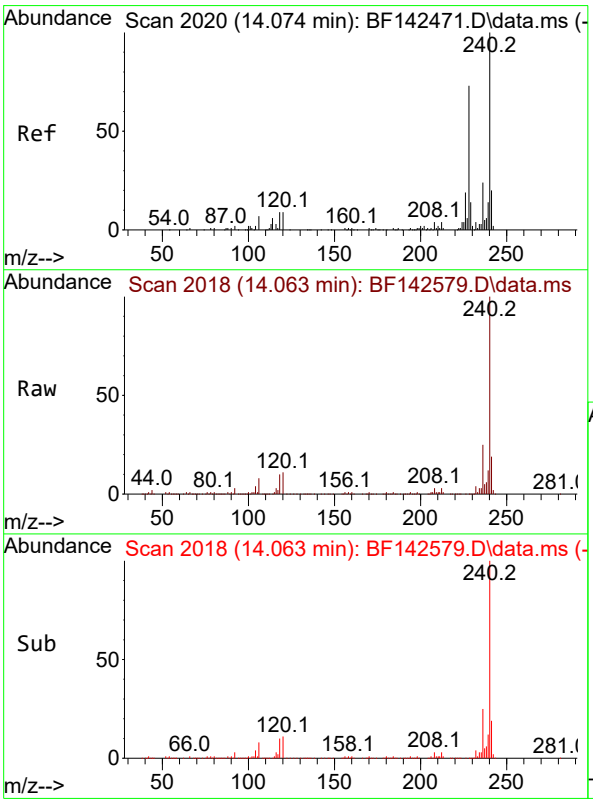
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142579.D
Acq: 30 May 2025 19:45

Instrument :
BNA_F
ClientSampleId :
TP-51

Tgt Ion:188 Resp: 396120

Ion	Ratio	Lower	Upper
188	100		
94	9.2	6.6	10.0
80	9.5	7.4	11.0

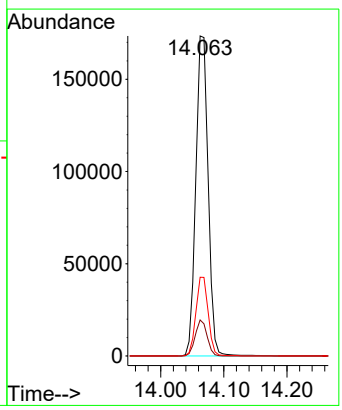


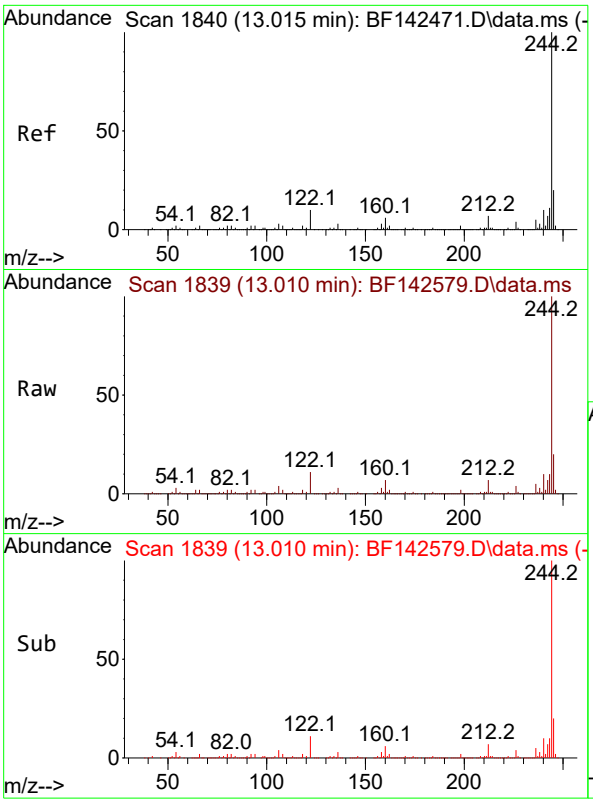


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.012 min
Lab File: BF142579.D
Acq: 30 May 2025 19:45

Tgt Ion:240 Resp: 234971

Ion	Ratio	Lower	Upper
240	100		
120	11.2	7.5	11.3
236	24.6	19.6	29.4



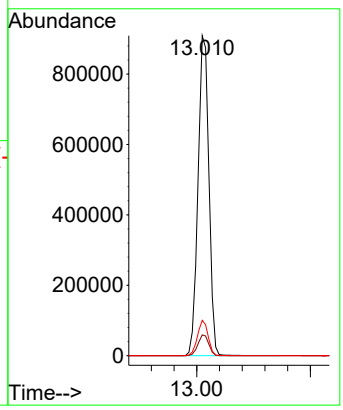


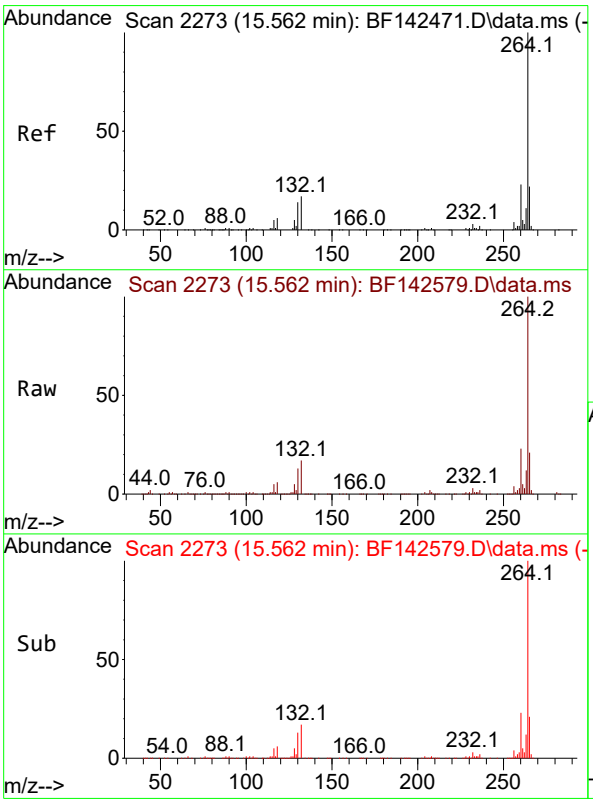
#79
Terphenyl-d14
Concen: 70.521 ng
RT: 13.010 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142579.D
Acq: 30 May 2025 19:45

Instrument :
BNA_F
ClientSampleId :
TP-51

Tgt Ion:244 Resp: 1212570

Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.3	7.9
122	11.1	8.2	12.2

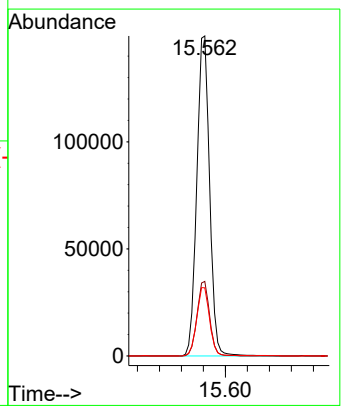




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.562 min Scan# 2273
Delta R.T. -0.006 min
Lab File: BF142579.D
Acq: 30 May 2025 19:45

Tgt Ion:264 Resp: 241563

Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.6	28.0
265	21.3	17.7	26.5



Sample Results: **BF142579.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053025\
Data File : BF142579.D
Acq On : 30 May 2025 19:45
Operator : RC/JU
Sample : Q2150-07
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-51

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-BF052025.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF142579.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.316	15	21	32	rBV2	32604	57893	1.56%	0.239%
2	5.128	490	499	508	rBV	213507	358975	9.67%	1.481%
3	5.516	558	565	571	rBV	2151792	3082394	83.05%	12.720%
4	6.522	726	736	743	rBV	2164691	3183733	85.78%	13.138%
5	6.898	794	800	805	rBV	556730	693690	18.69%	2.863%
6	7.075	826	830	839	rVB	31128	39807	1.07%	0.164%
7	7.457	884	895	901	rBV	1463263	2045750	55.12%	8.442%
8	7.710	930	938	943	rBV	37128	48326	1.30%	0.199%
9	7.892	964	969	978	rBV4	17117	46710	1.26%	0.193%
10	8.181	1012	1018	1027	rBV	718169	919727	24.78%	3.795%
11	9.257	1194	1201	1206	rBV	2865612	3711360	100.00%	15.315%
12	9.933	1311	1316	1327	rVB	789539	1001490	26.98%	4.133%
13	10.345	1361	1386	1401	rBV4	21435	161203	4.34%	0.665%
14	10.651	1433	1438	1445	rBV	204759	252562	6.81%	1.042%
15	10.728	1445	1451	1456	rBV	1755696	2292160	61.76%	9.459%
16	11.422	1564	1569	1576	rBV	731533	975449	26.28%	4.025%
17	11.945	1653	1658	1669	rBV	251228	402114	10.83%	1.659%
18	12.733	1788	1792	1800	rBV	33339	57158	1.54%	0.236%
19	13.010	1833	1839	1845	rBV	2396808	3165768	85.30%	13.064%
20	13.904	1986	1991	2010	rBV	177278	330809	8.91%	1.365%
21	14.063	2013	2018	2027	rVB	458518	613277	16.52%	2.531%
22	14.539	2094	2099	2107	rBV	41226	87826	2.37%	0.362%
23	15.557	2266	2272	2283	rBV	396225	661147	17.81%	2.728%
24	16.098	2359	2364	2372	rBV3	15289	43525	1.17%	0.180%

Sum of corrected areas: 24232853

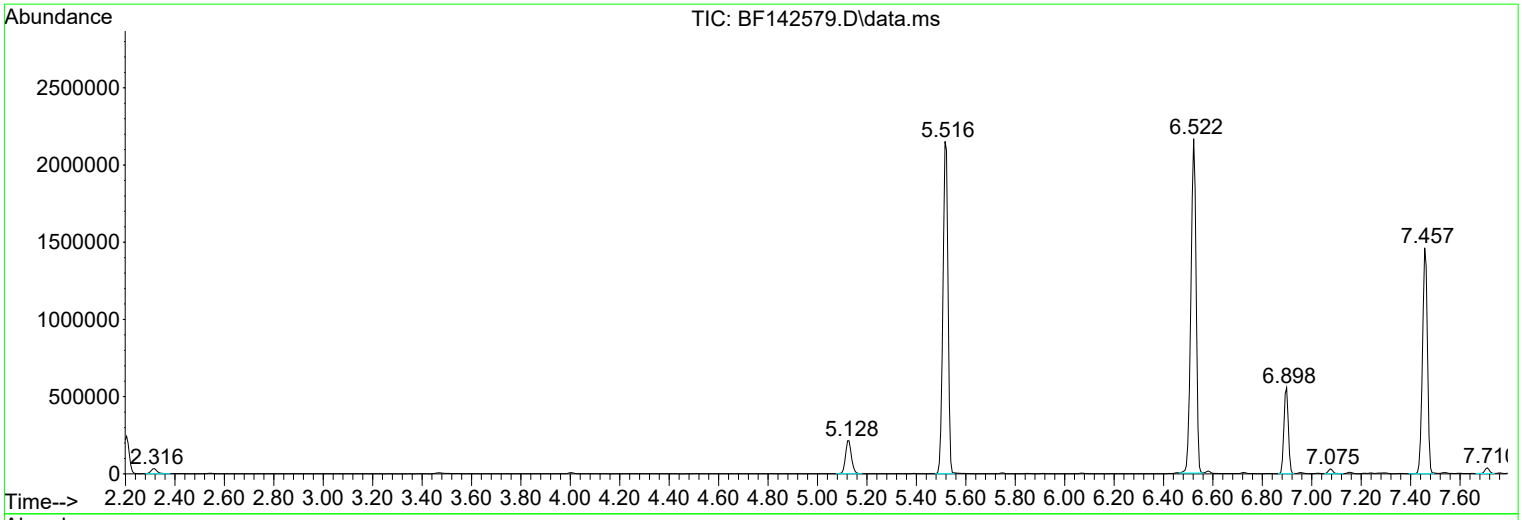
Sample Results: **BF142579.D**

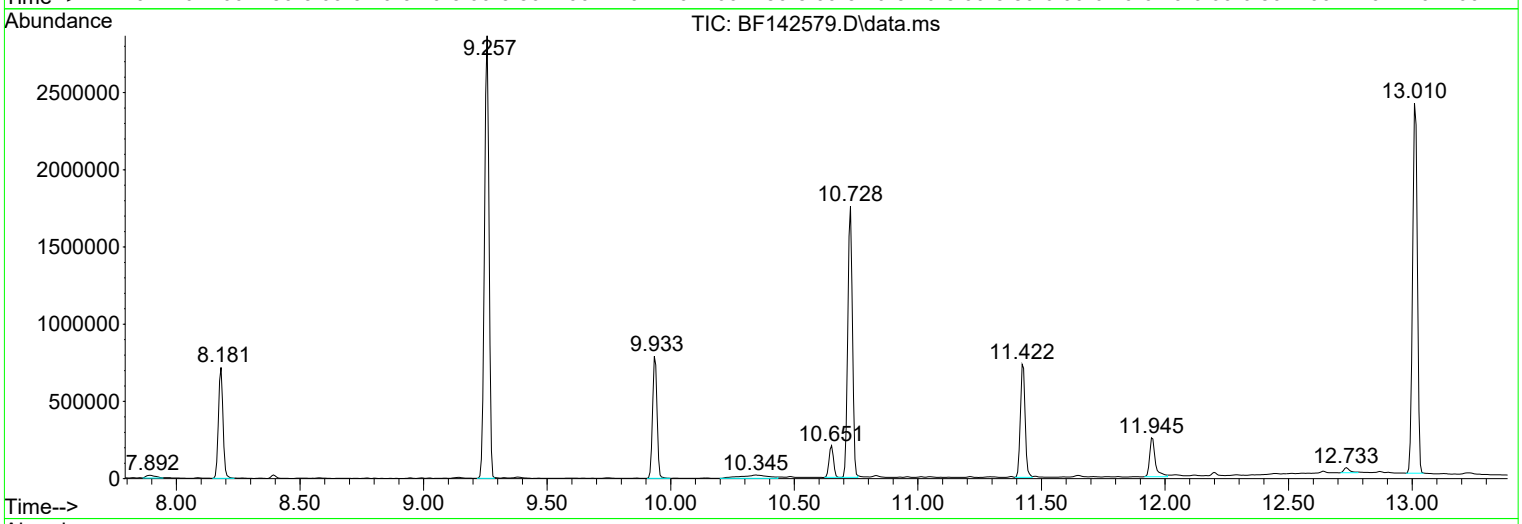
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053025\
Data File : BF142579.D
Acq On : 30 May 2025 19:45
Operator : RC/JU
Sample : Q2150-07
Misc :
ALS Vial : 15 Sample Multiplier: 1

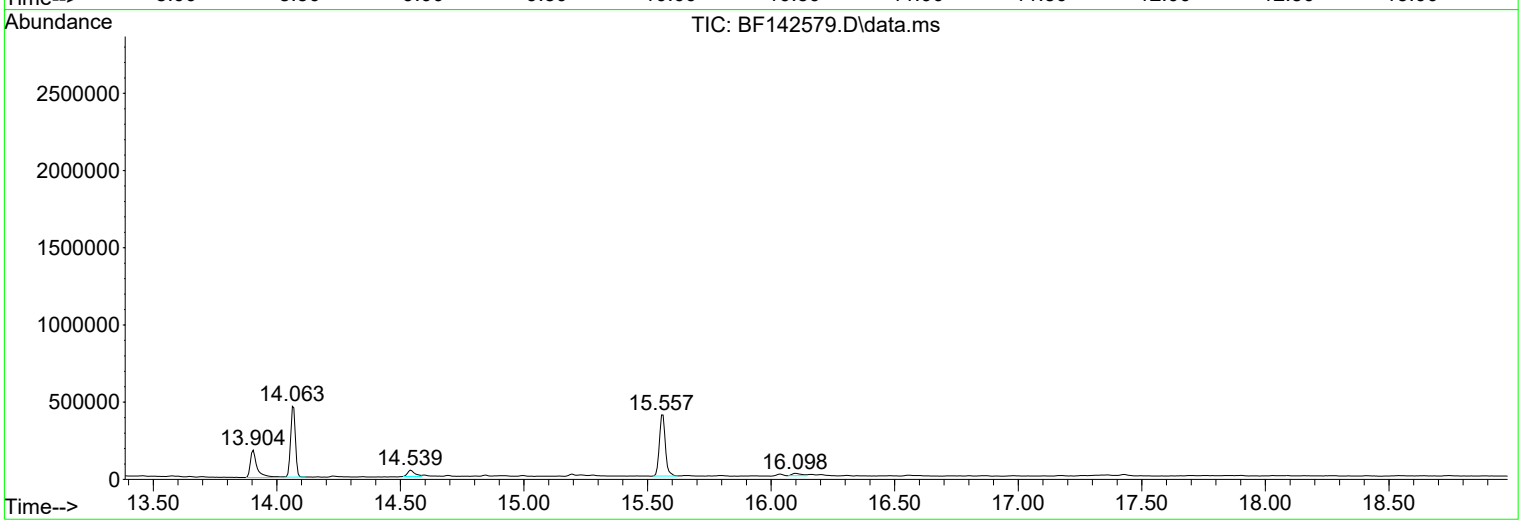
Instrument :
BNA_F
ClientSampleId :
TP-51

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.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\BF053025\
Data File : BF142579.D
Acq On : 30 May 2025 19:45
Operator : RC/JU
Sample : Q2150-07
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-51

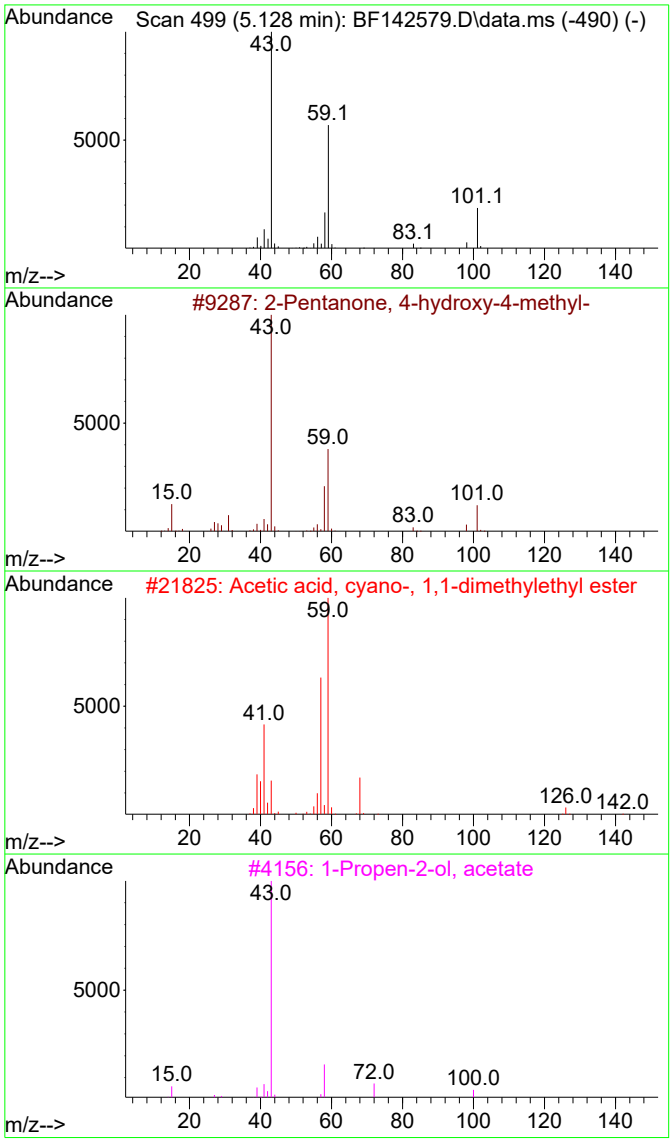
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

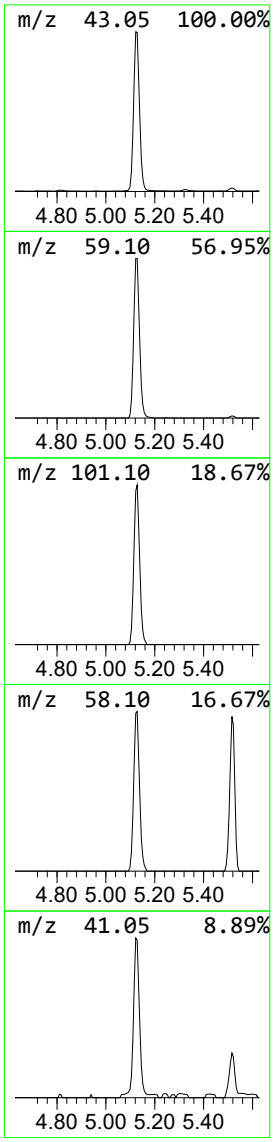
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.128	10.35 ng	358975	1,4-Dichlorobenzene-d4	6.898

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
3	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	12
4	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
5	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053025\
Data File : BF142579.D
Acq On : 30 May 2025 19:45
Operator : RC/JU
Sample : Q2150-07
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-51

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

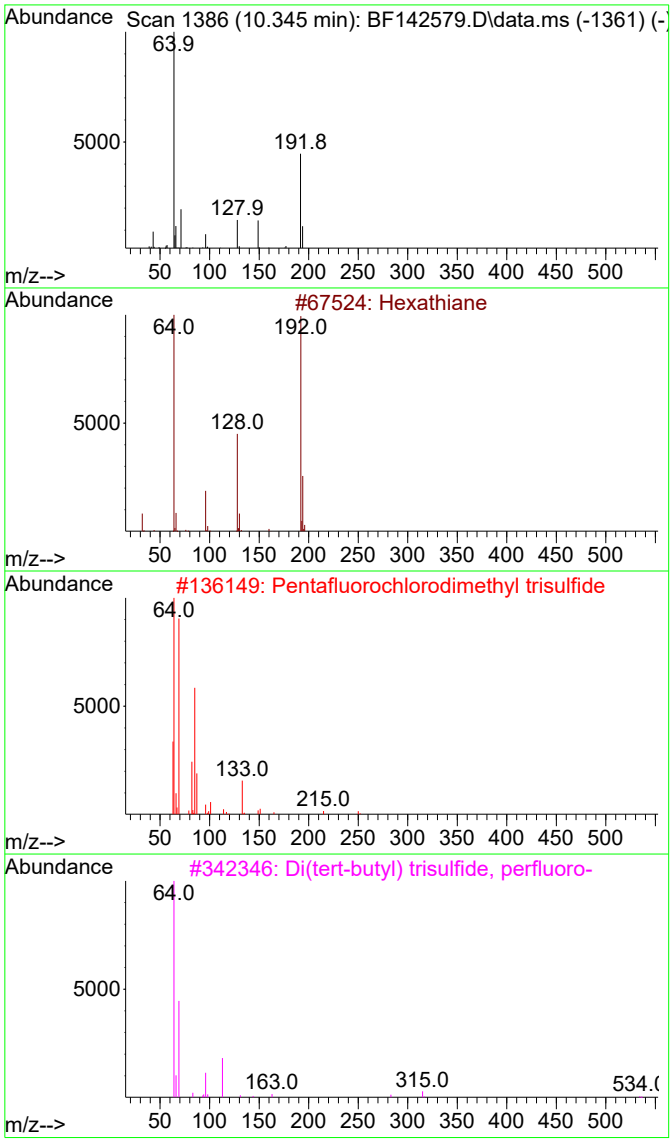
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

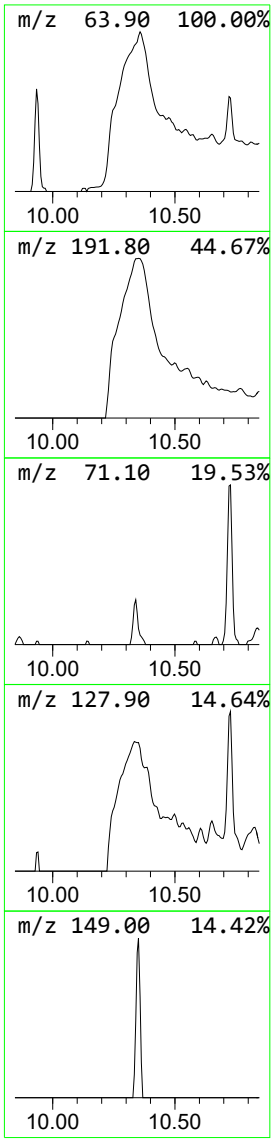
****

Peak Number 2 unknown10.345 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.345	3.22 ng	161203	Acenaphthene-d10	9.933

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexathiane	192	S6	013798-23-7	10
2	Pentafluorochlorodimethyl trisul...	250	C2ClF5S3	1000226-65-9	9
3	Di(tert-butyl) trisulfide, perfl...	534	C8F18S3	016005-64-4	9
4	Sulfur dioxide	64	O2S	007446-09-5	4
5	Ethyl Chloride	64	C2H5Cl	000075-00-3	4





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053025\
Data File : BF142579.D
Acq On : 30 May 2025 19:45
Operator : RC/JU
Sample : Q2150-07
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-51

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

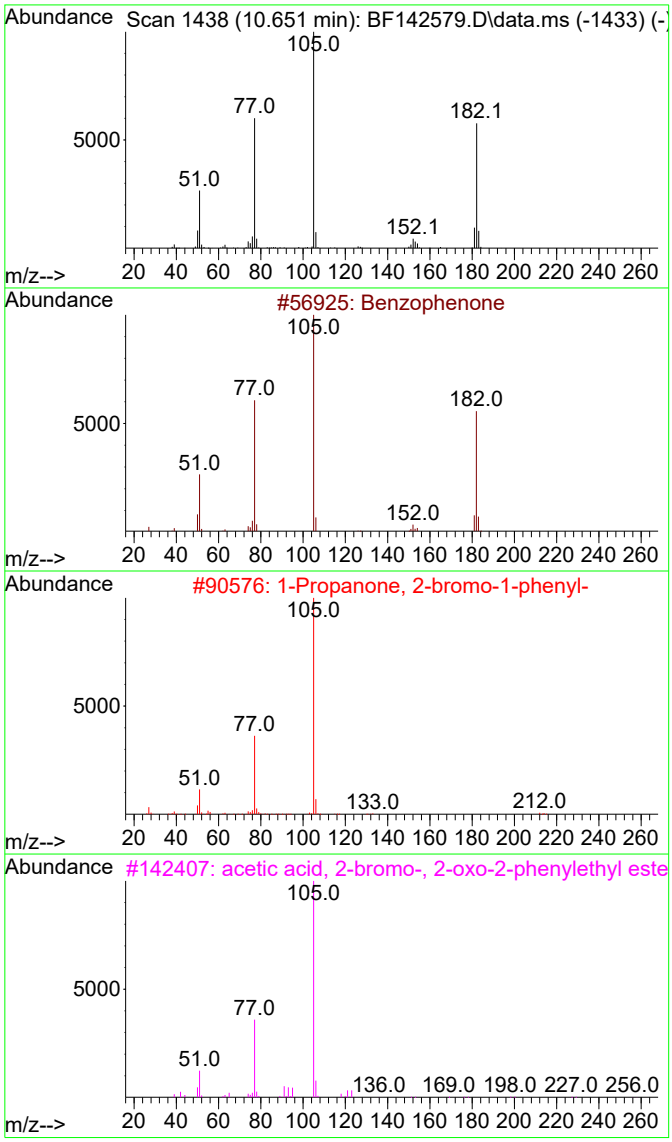
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

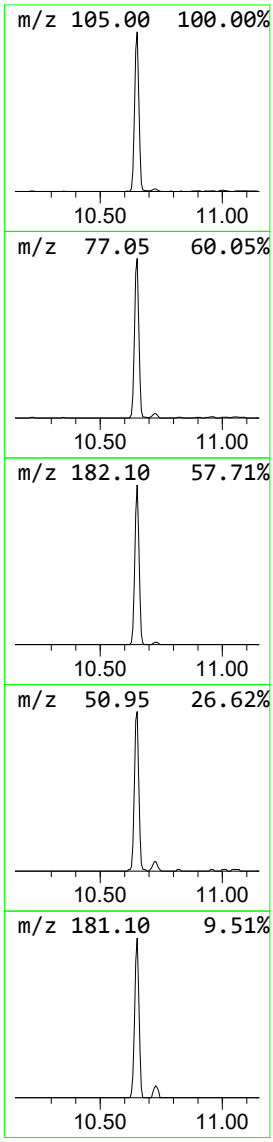
****

Peak Number 3 Benzophenone Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.651	5.04 ng	252562	Acenaphthene-d10	9.933

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	1-Propanone, 2-bromo-1-phenyl-	212	C9H9BrO	002114-00-3	47
3	acetic acid, 2-bromo-, 2-oxo-2-p...	256	C10H9BrO3	1000401-50-0	47
4	Pentafluoroethyl phenyl ketone	224	C9H5F5O	000394-52-5	47
5	Benzoic acid, phenyl ester	198	C13H10O2	000093-99-2	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053025\
Data File : BF142579.D
Acq On : 30 May 2025 19:45
Operator : RC/JU
Sample : Q2150-07
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-51

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

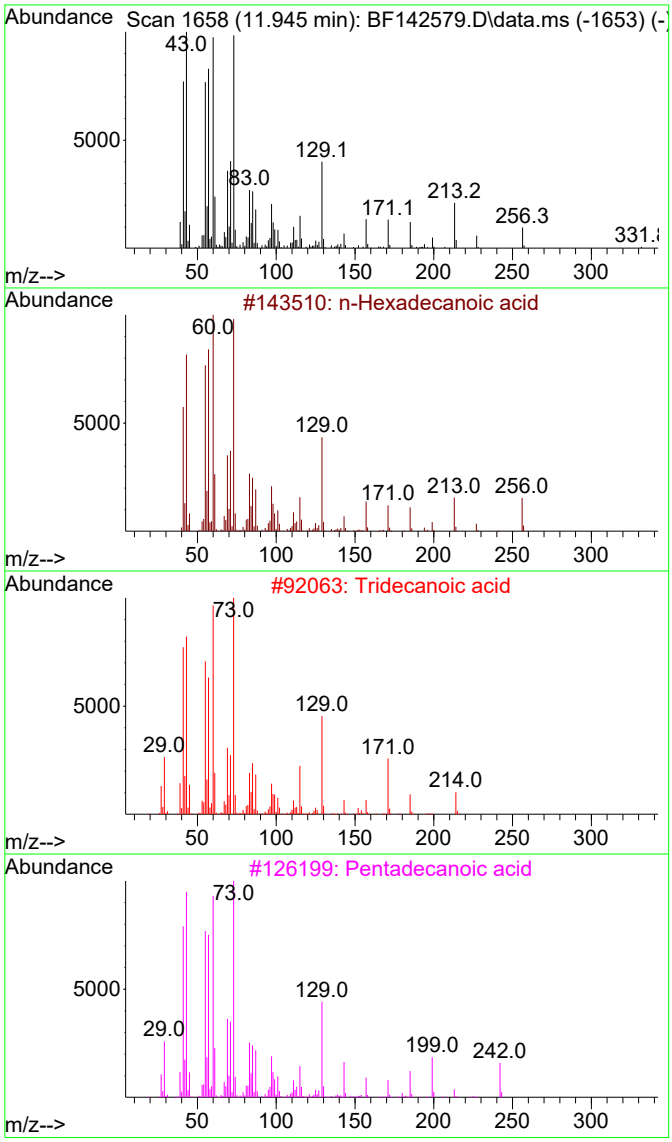
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

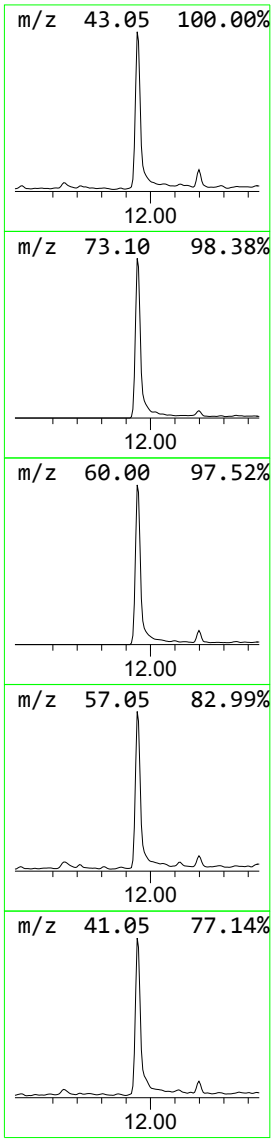
****

Peak Number 4 n-Hexadecanoic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.945	8.24 ng	402114	Phenanthrene-d10	11.422

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	91
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	91
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	74
5	8-Methylnonanoic acid	172	C10H20O2	005963-14-4	70





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053025\
Data File : BF142579.D
Acq On : 30 May 2025 19:45
Operator : RC/JU
Sample : Q2150-07
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-51

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

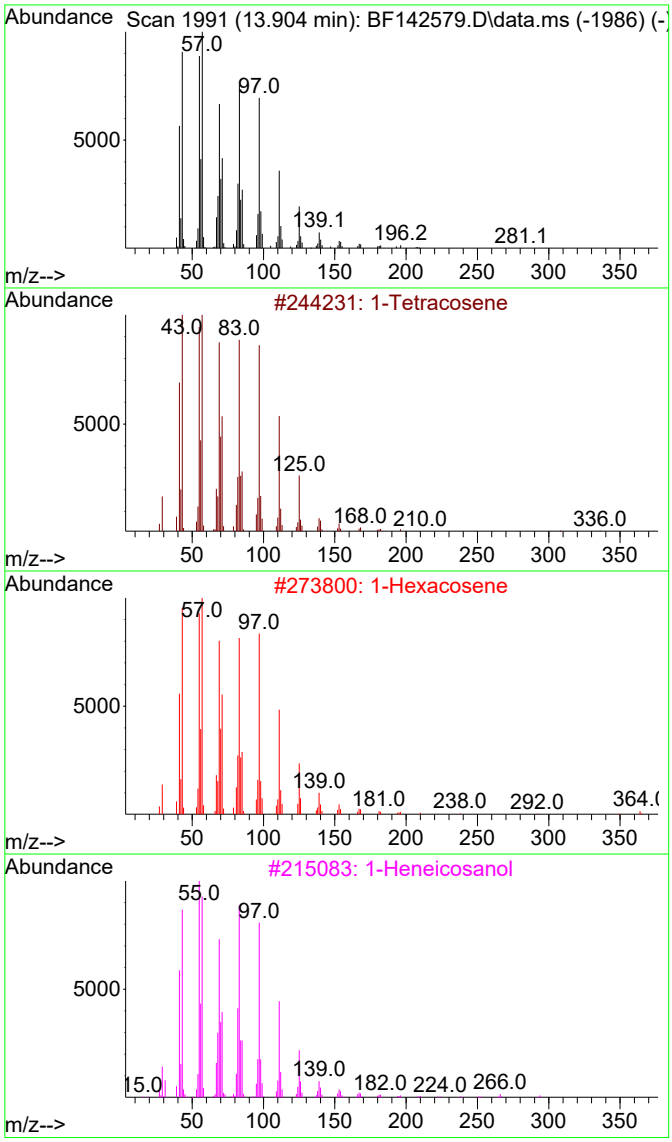
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

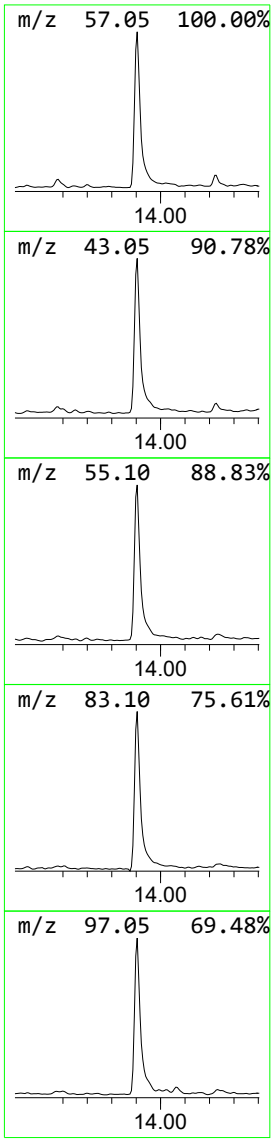
****

Peak Number 5 1-Tetracosene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.904	10.79 ng	330809	Chrysene-d12	14.063

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Tetracosene	336	C24H48	010192-32-2	95
2	1-Hexacosene	364	C26H52	018835-33-1	95
3	1-Heneicosanol	312	C21H44O	015594-90-8	95
4	Trifluoroacetoxy hexadecane	338	C18H33F3O2	006222-03-3	94
5	Behenic alcohol	326	C22H46O	000661-19-8	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053025\
Data File : BF142579.D
Acq On : 30 May 2025 19:45
Operator : RC/JU
Sample : Q2150-07
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-51

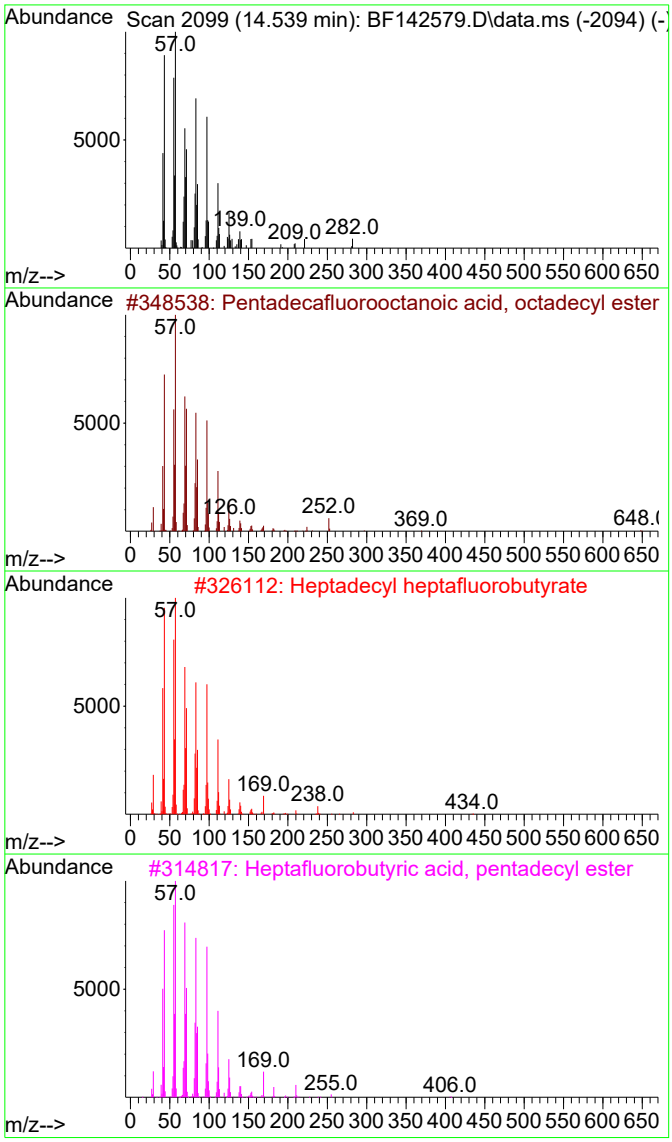
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

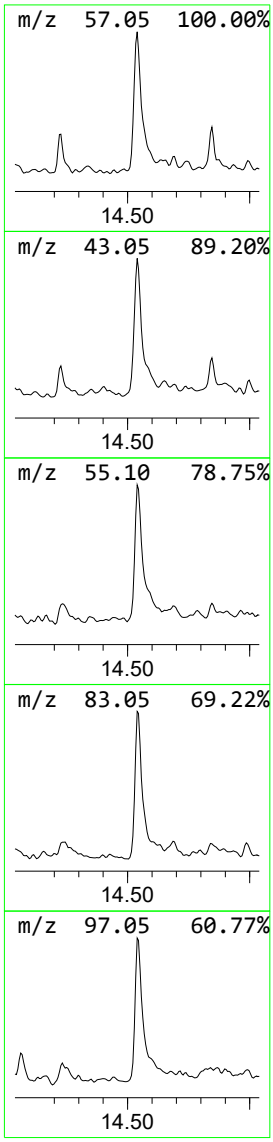
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Pentadecafluorooctanoic aci... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.539	2.86 ng	87826	Chrysene-d12	14.063

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecafluorooctanoic acid, oc...	666	C26H37F15O2	1000406-04-8	94
2	Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	93
3	Heptafluorobutyric acid, pentade...	424	C19H31F7O2	959261-23-5	93
4	1-Hexacosene	364	C26H52	018835-33-1	93
5	Heptadecyl trifluoroacetate	352	C19H35F3O2	1010351-87-0	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053025\
Data File : BF142579.D
Acq On : 30 May 2025 19:45
Operator : RC/JU
Sample : Q2150-07
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-51

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.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-...	5.128	10.4	ng	358975	1	6.898	693690	20.0
unknown10.345	10.345	3.2	ng	161203	3	9.933	1001490	20.0
Benzophenone	10.651	5.0	ng	252562	3	9.933	1001490	20.0
n-Hexadecanoic ...	11.945	8.2	ng	402114	4	11.422	975449	20.0
1-Tetracosene	13.904	10.8	ng	330809	5	14.063	613277	20.0
Pentadecafluoro...	14.539	2.9	ng	87826	5	14.063	613277	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053025\
Data File : BF142585.D
Acq On : 30 May 2025 22:41
Operator : RC/JU
Sample : Q2150-08
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-52

Quant Time: May 31 00:11:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration

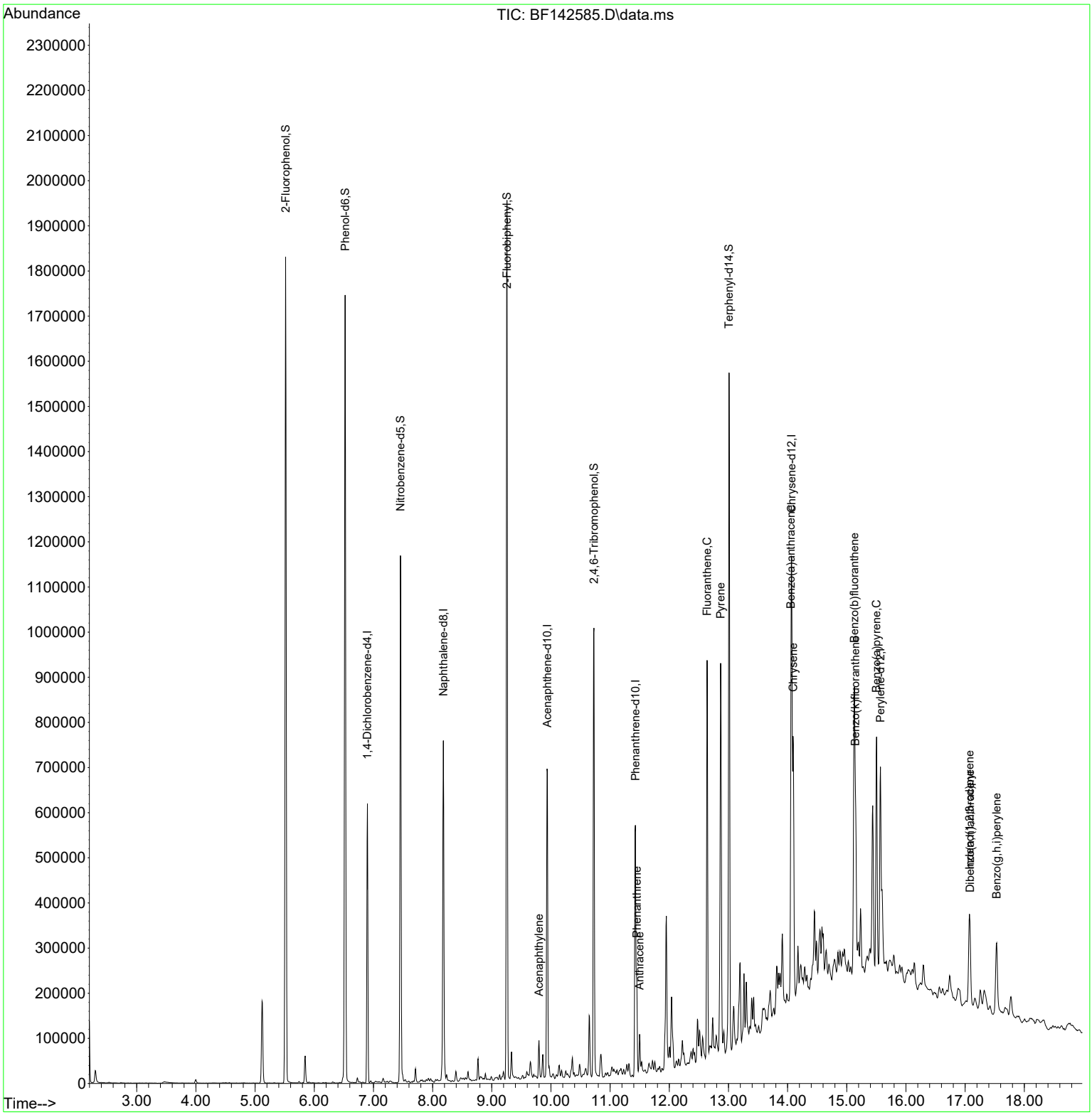
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.898	152	133645	20.000	ng		0.00
21) Naphthalene-d8	8.181	136	476744	20.000	ng		0.00
39) Acenaphthene-d10	9.939	164	213806	20.000	ng		0.00
64) Phenanthrene-d10	11.427	188	298216	20.000	ng		0.00
76) Chrysene-d12	14.068	240	272466	20.000	ng		0.00
86) Perylene-d12	15.568	264	264844	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.516	112	711745	89.724	ng		0.00
7) Phenol-d6	6.522	99	854204	89.455	ng		-0.01
23) Nitrobenzene-d5	7.457	82	498554	57.023	ng		-0.02
42) 2,4,6-Tribromophenol	10.727	330	178930	75.403	ng		-0.01
45) 2-Fluorobiphenyl	9.257	172	877026	55.043	ng		-0.01
79) Terphenyl-d14	13.010	244	725082	36.366	ng		0.00
Target Compounds							Qvalue
49) Acenaphthylene	9.798	152	49367	2.386	ng		100
71) Phenanthrene	11.451	178	112000	7.028	ng		99
72) Anthracene	11.498	178	56976	3.503	ng		99
75) Fluoranthene	12.639	202	497661	33.419	ng		99
78) Pyrene	12.868	202	507160	19.953	ng		98
81) Benzo(a)anthracene	14.057	228	350812	19.282	ng		94
83) Chrysene	14.092	228	326975	20.000	ng		98
87) Indeno(1,2,3-cd)pyrene	17.074	276	152667	7.678	ng		99
88) Benzo(b)fluoranthene	15.127	252	459256m	29.299	ng		
89) Benzo(k)fluoranthene	15.145	252	135303m	9.216	ng		
90) Benzo(a)pyrene	15.504	252	317279	21.474	ng		98
91) Dibenzo(a,h)anthracene	17.086	278	39006	2.419	ng	#	88
92) Benzo(g,h,i)perylene	17.533	276	147088	9.119	ng		98

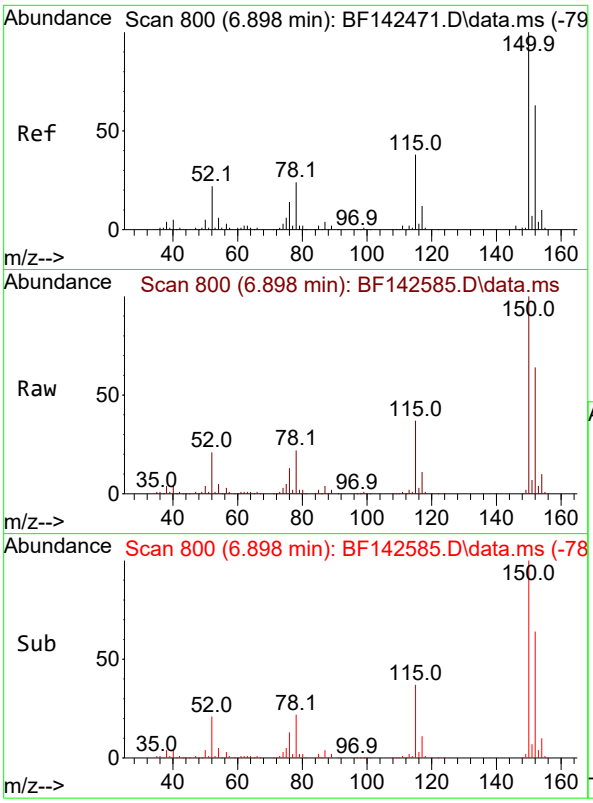
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053025\
Data File : BF142585.D
Acq On : 30 May 2025 22:41
Operator : RC/JU
Sample : Q2150-08
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-52

Quant Time: May 31 00:11:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration



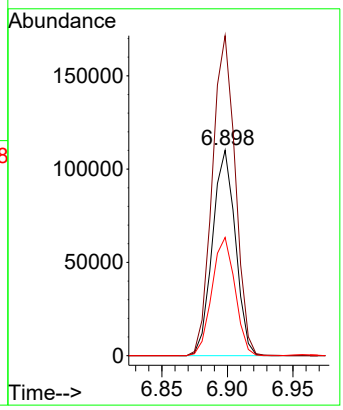


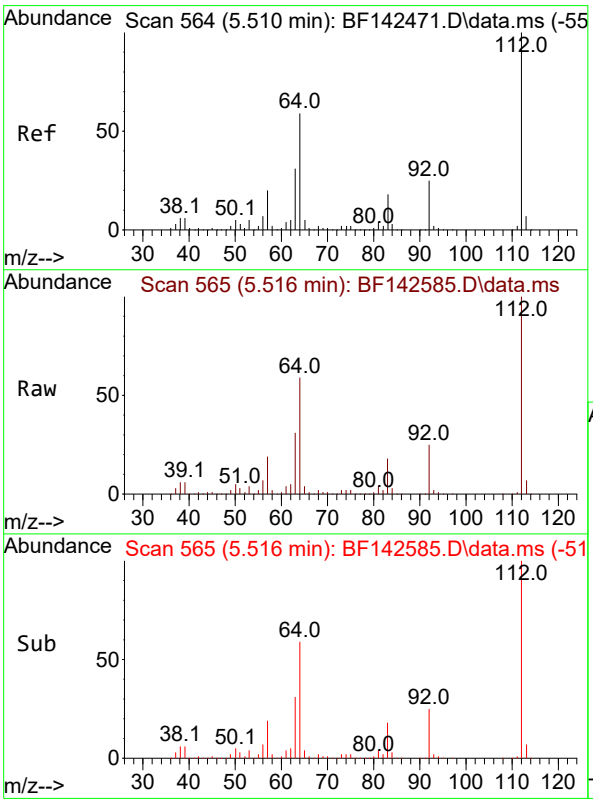
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142585.D
Acq: 30 May 2025 22:41

Instrument :
BNA_F
ClientSampleId :
TP-52

Tgt Ion:152 Resp: 133645

Ion	Ratio	Lower	Upper
152	100		
150	155.7	128.2	192.4
115	57.5	48.3	72.5

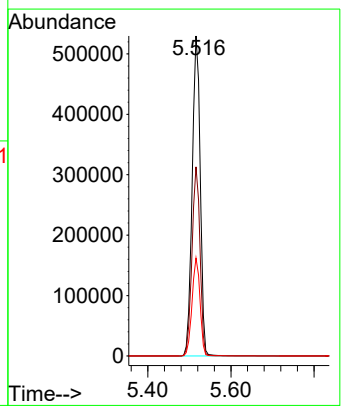


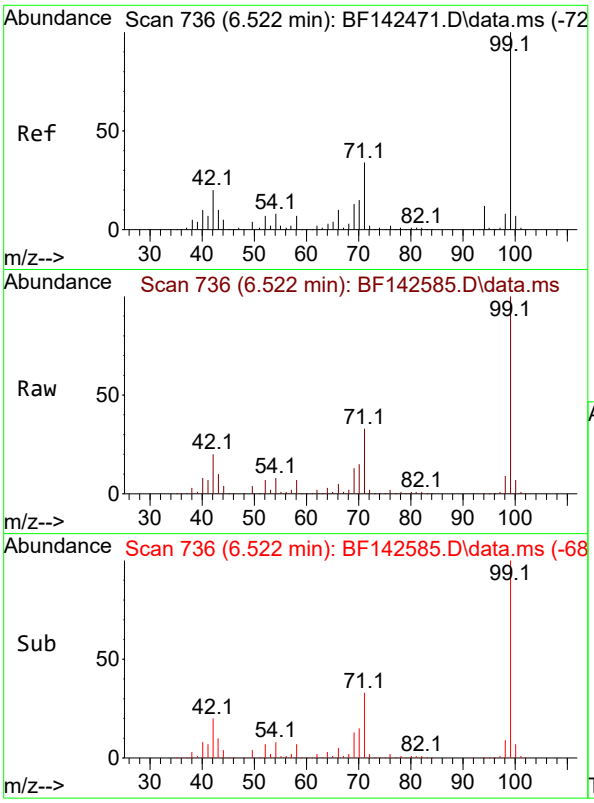


#5
2-Fluorophenol
Concen: 89.724 ng
RT: 5.516 min Scan# 565
Delta R.T. 0.000 min
Lab File: BF142585.D
Acq: 30 May 2025 22:41

Tgt Ion:112 Resp: 711745

Ion	Ratio	Lower	Upper
112	100		
64	59.1	47.5	71.3
63	30.6	24.9	37.3



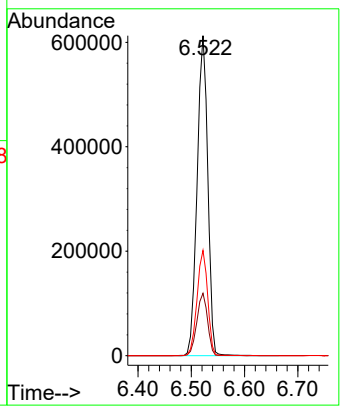


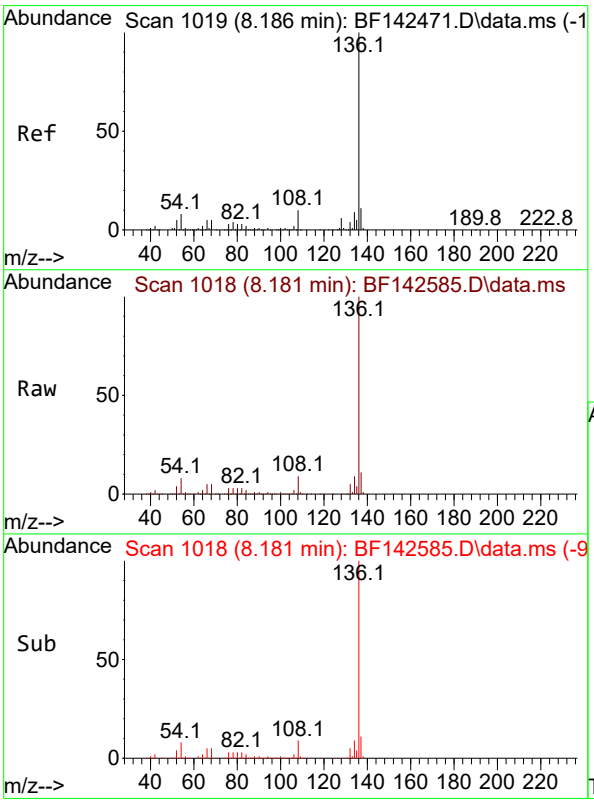
#7
Phenol-d6
Concen: 89.455 ng
RT: 6.522 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF142585.D
Acq: 30 May 2025 22:41

Instrument :
BNA_F
ClientSampleId :
TP-52

Tgt Ion: 99 Resp: 854204

Ion	Ratio	Lower	Upper
99	100		
42	19.5	16.2	24.2
71	32.9	27.3	40.9

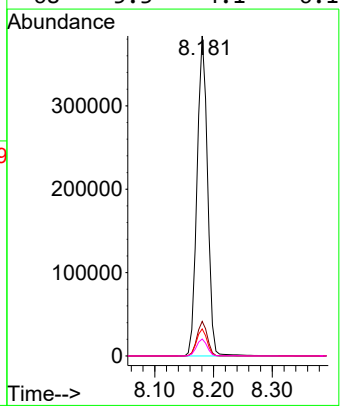


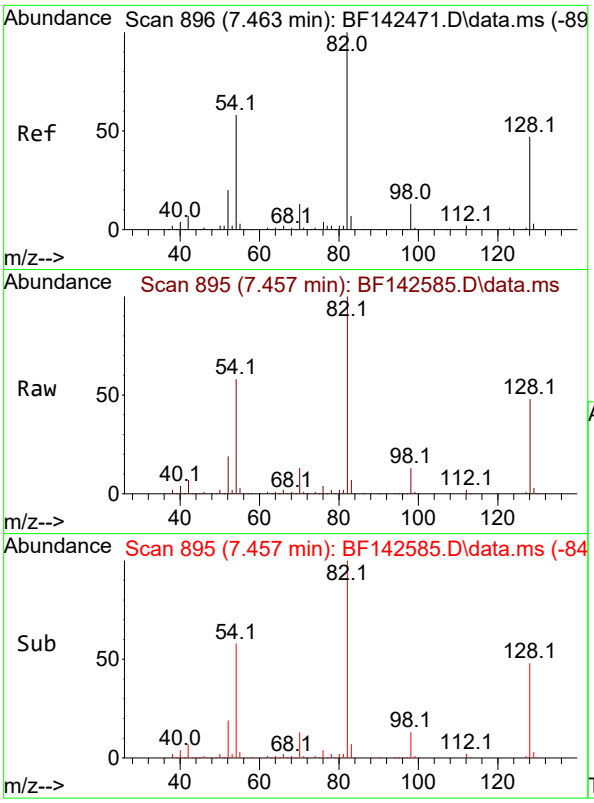


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF142585.D
Acq: 30 May 2025 22:41

Tgt Ion:136 Resp: 476744

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	8.4	6.6	10.0
68	5.3	4.1	6.1



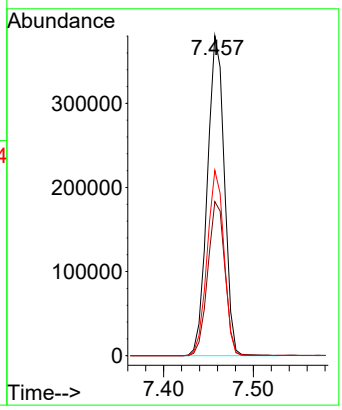


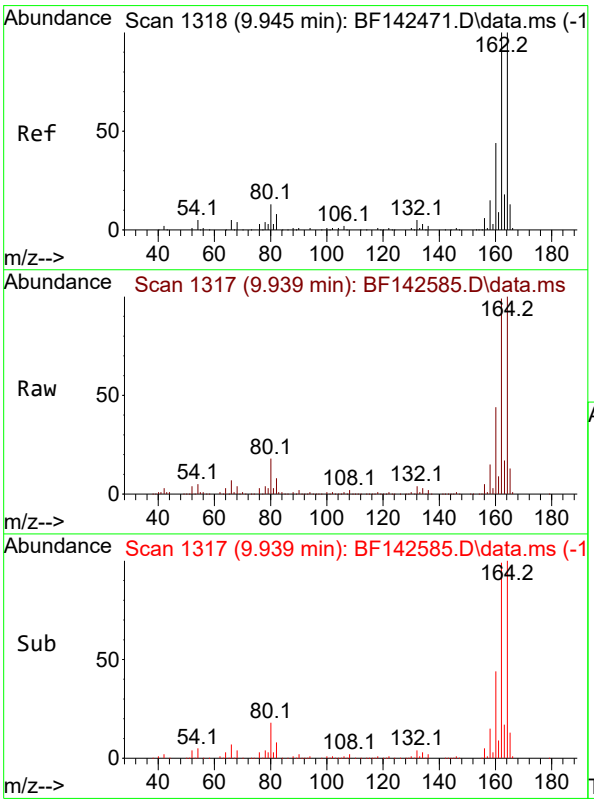
#23
Nitrobenzene-d5
Concen: 57.023 ng
RT: 7.457 min Scan# 8
Delta R.T. -0.018 min
Lab File: BF142585.D
Acq: 30 May 2025 22:41

Instrument :
BNA_F
ClientSampleId :
TP-52

Tgt Ion: 82 Resp: 498554

Ion	Ratio	Lower	Upper
82	100		
128	48.2	37.4	56.2
54	57.9	46.6	70.0

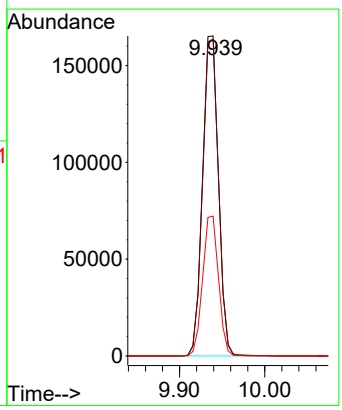


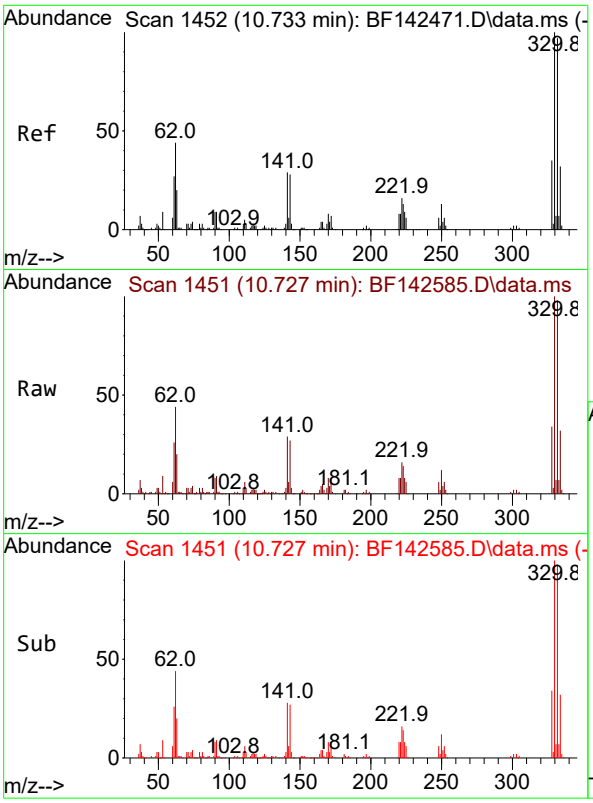


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 1317
Delta R.T. -0.006 min
Lab File: BF142585.D
Acq: 30 May 2025 22:41

Tgt Ion:164 Resp: 213806

Ion	Ratio	Lower	Upper
164	100		
162	99.1	80.2	120.4
160	43.7	35.6	53.4



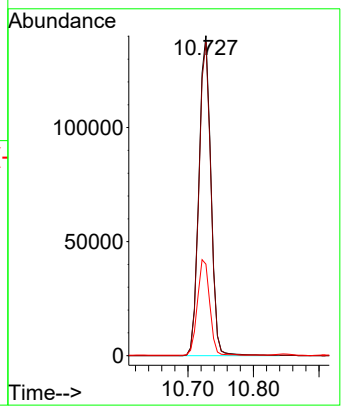


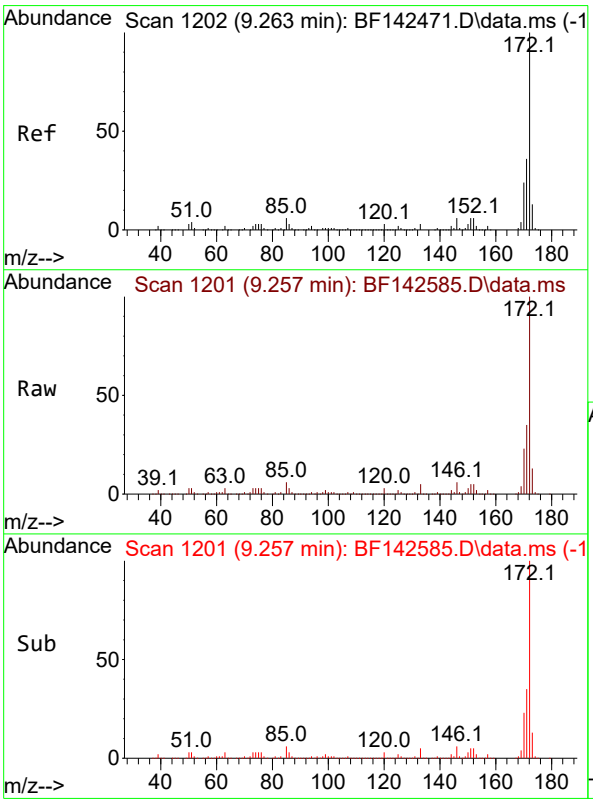
#42
2,4,6-Tribromophenol
Concen: 75.403 ng
RT: 10.727 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF142585.D
Acq: 30 May 2025 22:41

Instrument :
BNA_F
ClientSampleId :
TP-52

Tgt Ion:330 Resp: 178930

Ion	Ratio	Lower	Upper
330	100		
332	97.3	77.6	116.4
141	30.5	24.6	36.8

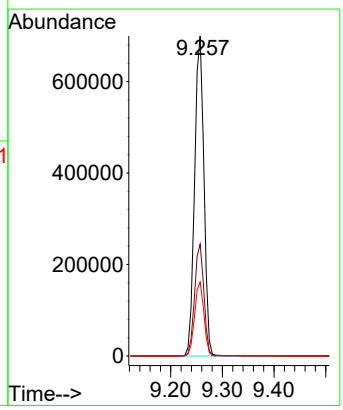


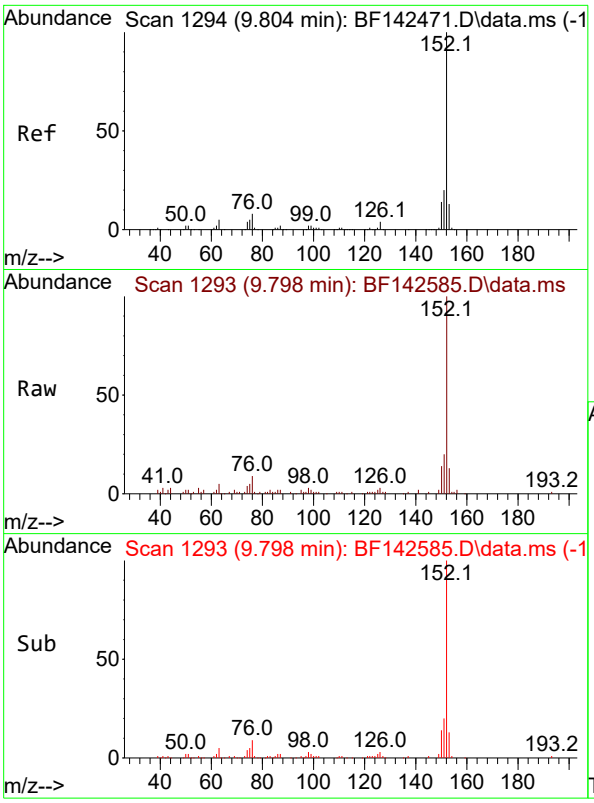


#45
2-Fluorobiphenyl
Concen: 55.043 ng
RT: 9.257 min Scan# 1201
Delta R.T. -0.012 min
Lab File: BF142585.D
Acq: 30 May 2025 22:41

Tgt Ion:172 Resp: 877026

Ion	Ratio	Lower	Upper
172	100		
171	34.9	28.6	42.8
170	23.1	18.9	28.3



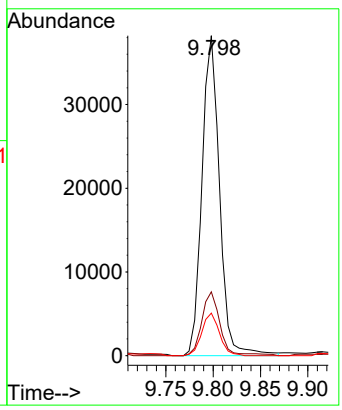


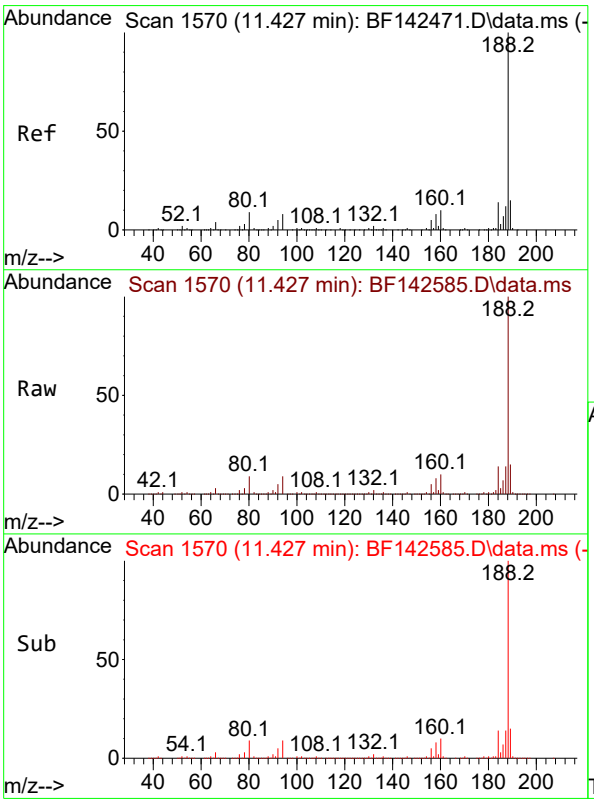
#49
Acenaphthylene
Concen: 2.386 ng
RT: 9.798 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142585.D
Acq: 30 May 2025 22:41

Instrument :
BNA_F
ClientSampleId :
TP-52

Tgt Ion:152 Resp: 49367

Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.8	23.8
153	13.3	10.6	15.8

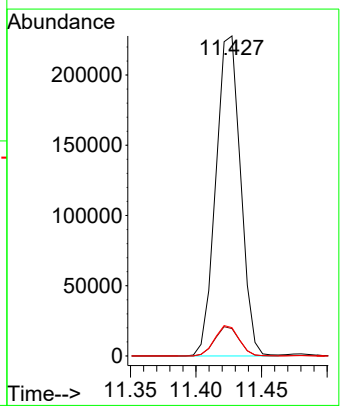


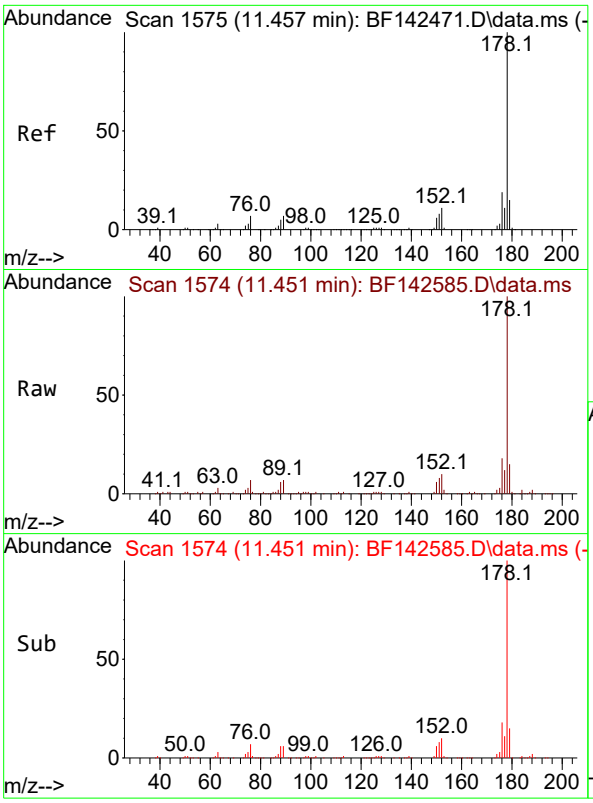


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.427 min Scan# 1570
Delta R.T. -0.006 min
Lab File: BF142585.D
Acq: 30 May 2025 22:41

Tgt Ion:188 Resp: 298216

Ion	Ratio	Lower	Upper
188	100		
94	8.6	6.6	10.0
80	8.9	7.4	11.0



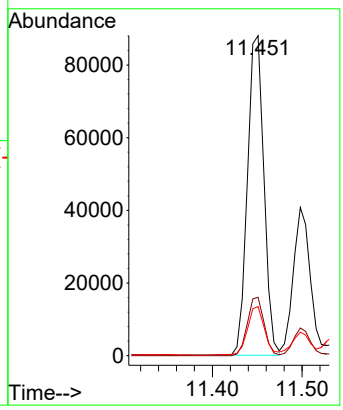


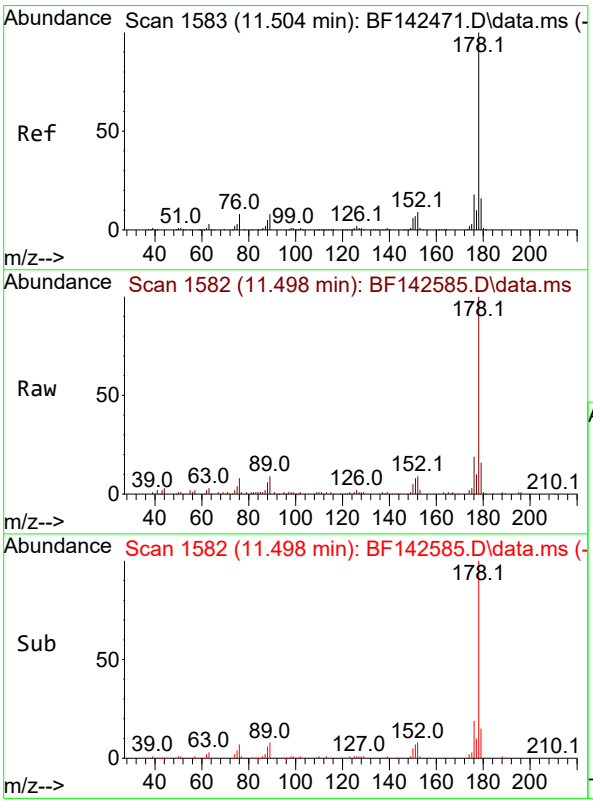
#71
Phenanthrene
Concen: 7.028 ng
RT: 11.451 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142585.D
Acq: 30 May 2025 22:41

Instrument :
BNA_F
ClientSampleId :
TP-52

Tgt Ion:178 Resp: 112000

Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.4	23.0
179	15.4	12.3	18.5

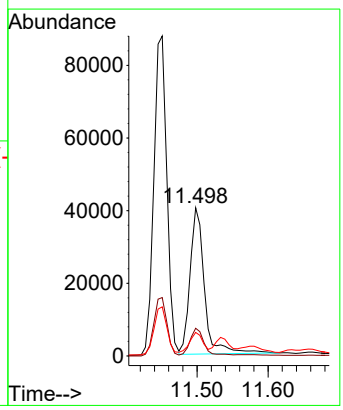


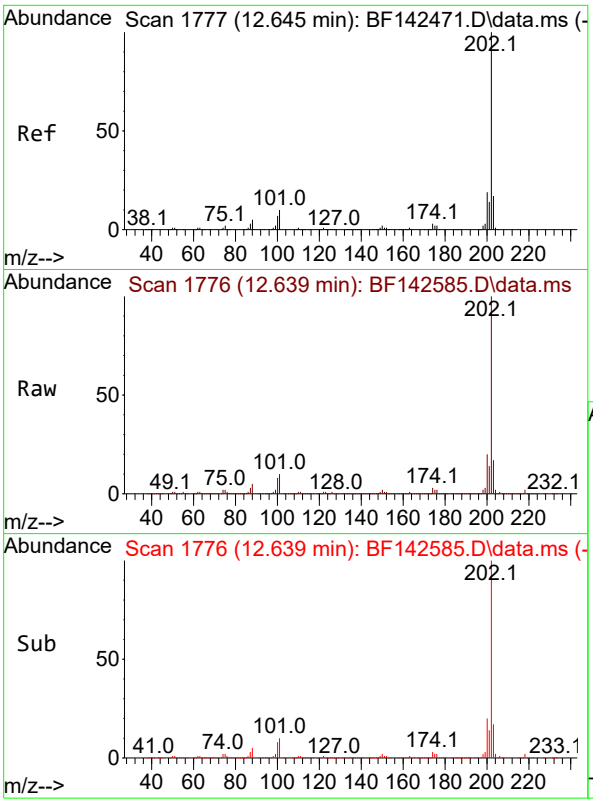


#72
Anthracene
Concen: 3.503 ng
RT: 11.498 min Scan# 1582
Delta R.T. -0.012 min
Lab File: BF142585.D
Acq: 30 May 2025 22:41

Tgt Ion:178 Resp: 56976

Ion	Ratio	Lower	Upper
178	100		
176	18.7	14.6	21.8
179	15.9	12.4	18.6



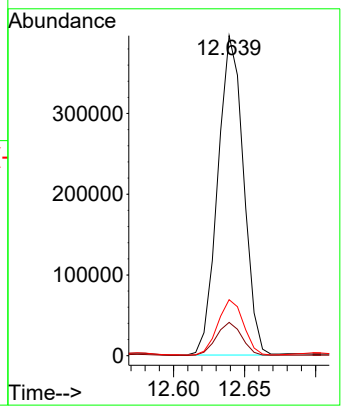


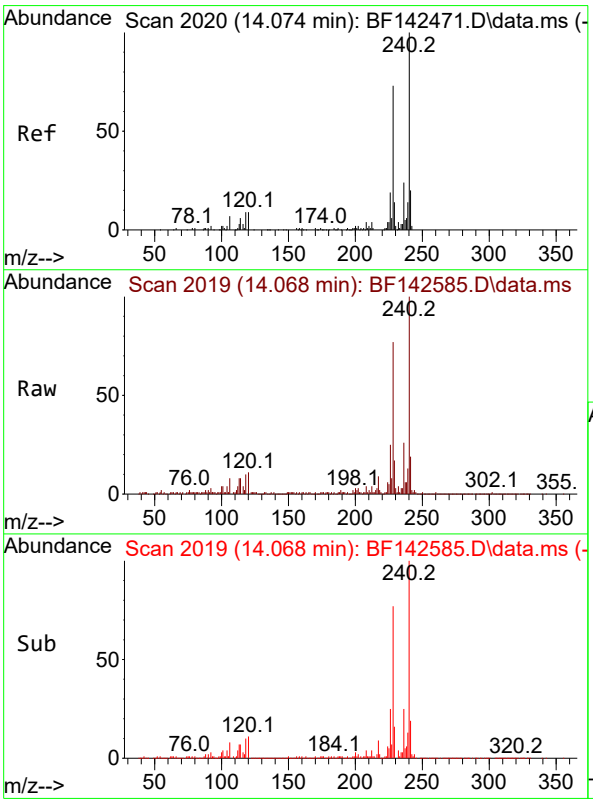
#75
Fluoranthene
Concen: 33.419 ng
RT: 12.639 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142585.D
Acq: 30 May 2025 22:41

Instrument :
BNA_F
ClientSampleId :
TP-52

Tgt Ion:202 Resp: 497661

Ion	Ratio	Lower	Upper
202	100		
101	10.4	0.0	29.6
203	17.5	0.0	37.2

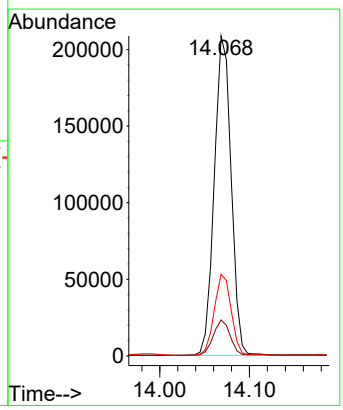


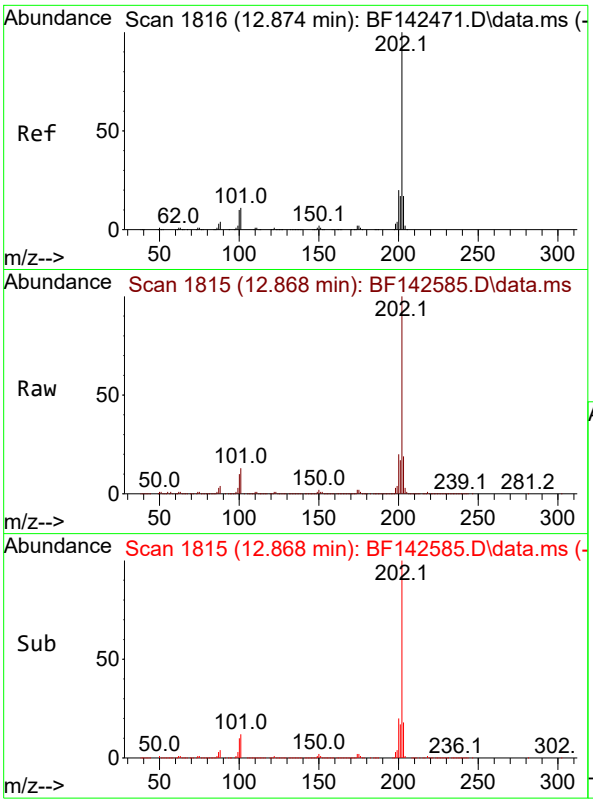


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.068 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF142585.D
Acq: 30 May 2025 22:41

Tgt Ion:240 Resp: 272466

Ion	Ratio	Lower	Upper
240	100		
120	11.3	7.5	11.3
236	25.6	19.6	29.4



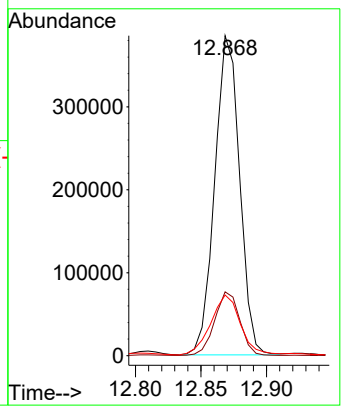


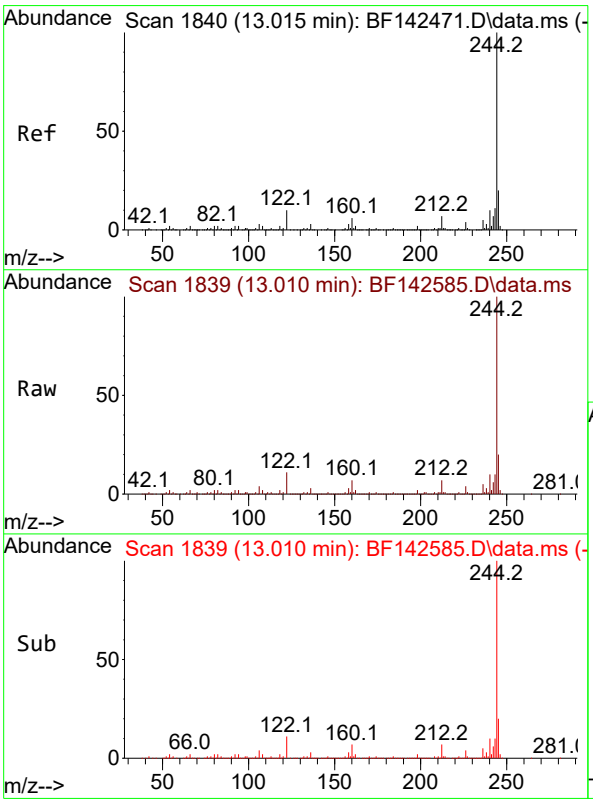
#78
Pyrene
Concen: 19.953 ng
RT: 12.868 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142585.D
Acq: 30 May 2025 22:41

Instrument :
BNA_F
ClientSampleId :
TP-52

Tgt Ion:202 Resp: 507160

Ion	Ratio	Lower	Upper
202	100		
200	20.0	16.1	24.1
203	18.9	13.9	20.9

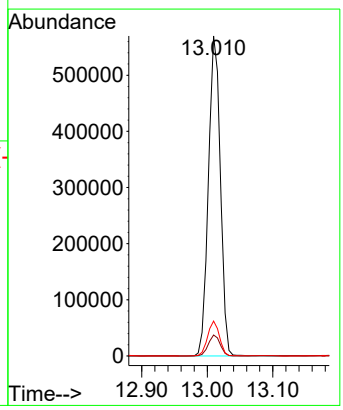


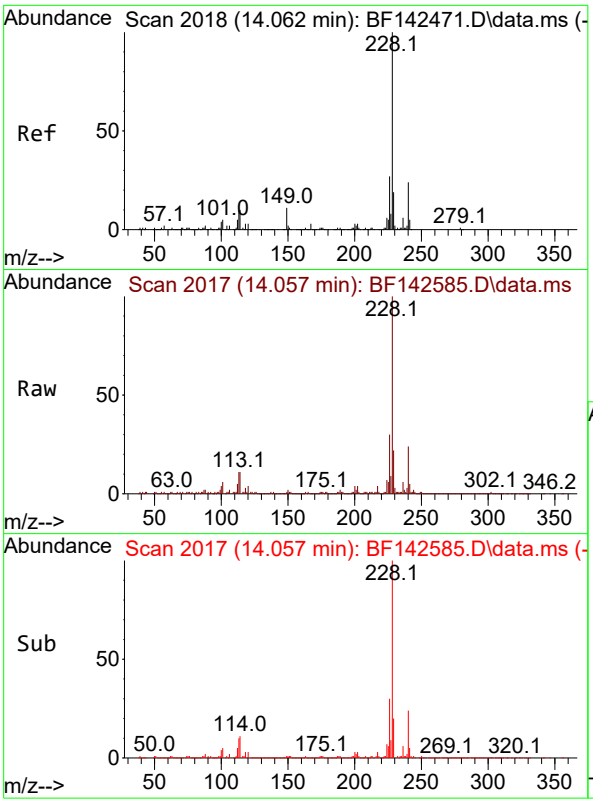


#79
Terphenyl-d14
Concen: 36.366 ng
RT: 13.010 min Scan# 1839
Delta R.T. -0.006 min
Lab File: BF142585.D
Acq: 30 May 2025 22:41

Tgt Ion:244 Resp: 725082

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.3	7.9
122	10.9	8.2	12.2



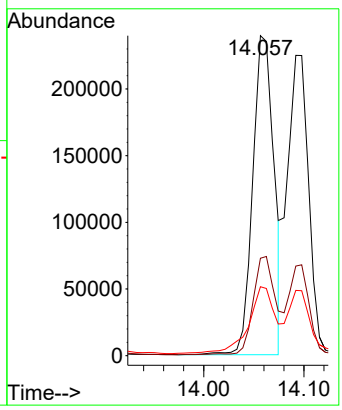


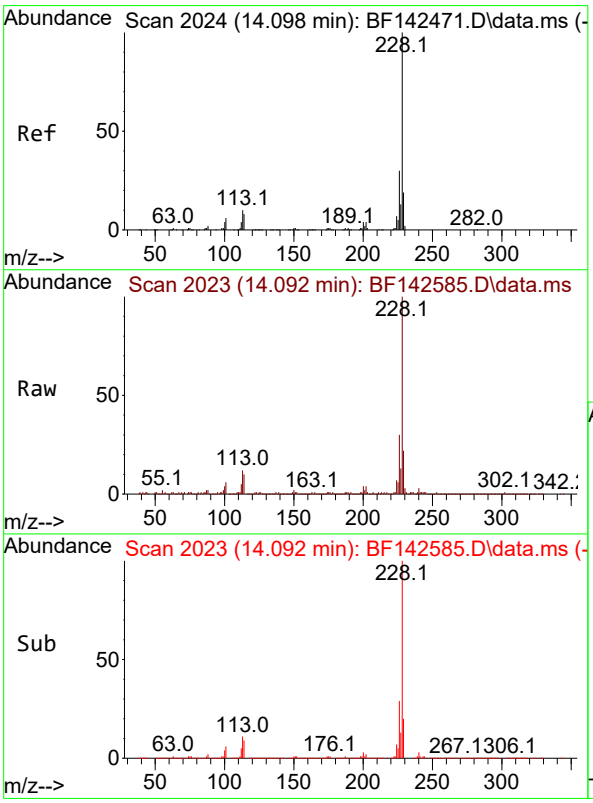
#81
Benzo(a)anthracene
Concen: 19.282 ng
RT: 14.057 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142585.D
Acq: 30 May 2025 22:41

Instrument :
BNA_F
ClientSampleId :
TP-52

Tgt Ion:228 Resp: 350812

Ion	Ratio	Lower	Upper
228	100		
226	30.4	21.2	31.8
229	21.5	15.5	23.3

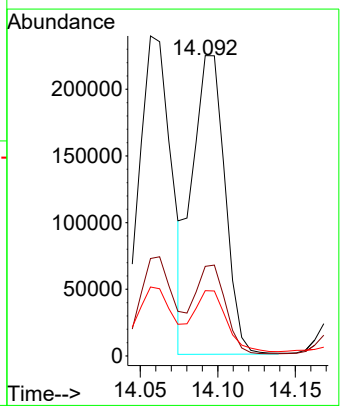


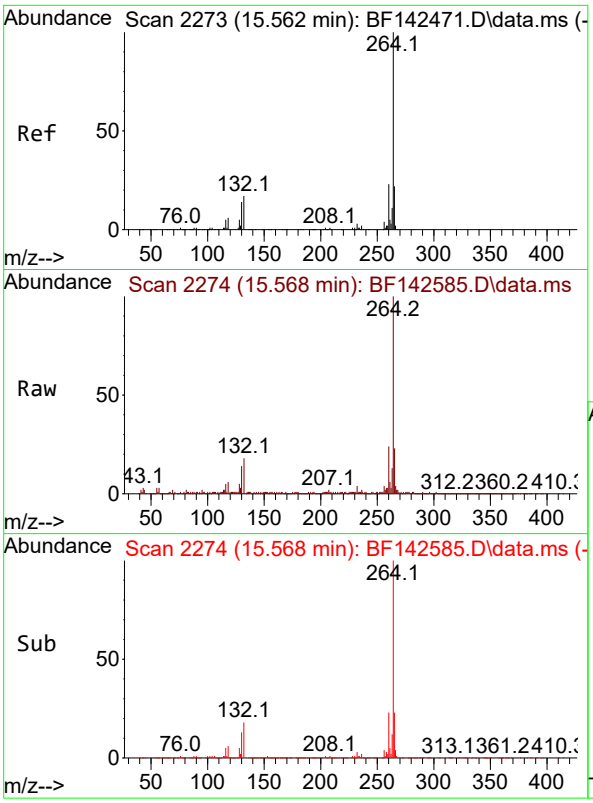


#83
Chrysene
Concen: 20.000 ng
RT: 14.092 min Scan# 2023
Delta R.T. -0.012 min
Lab File: BF142585.D
Acq: 30 May 2025 22:41

Tgt Ion:228 Resp: 326975

Ion	Ratio	Lower	Upper
228	100		
226	29.9	23.8	35.6
229	21.7	15.4	23.2



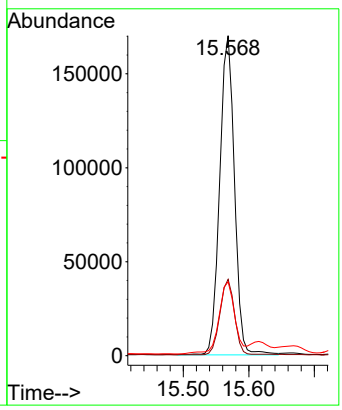


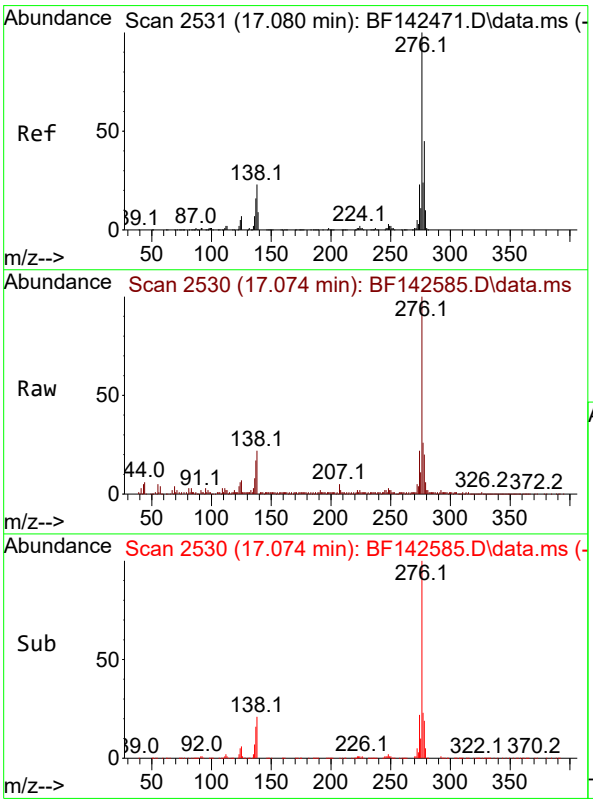
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.568 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF142585.D
Acq: 30 May 2025 22:41

Instrument :
BNA_F
ClientSampleId :
TP-52

Tgt Ion:264 Resp: 264844

Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.6	28.0
265	23.1	17.7	26.5

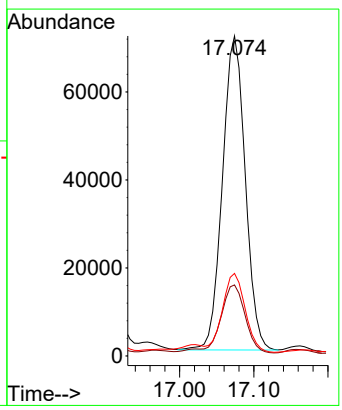


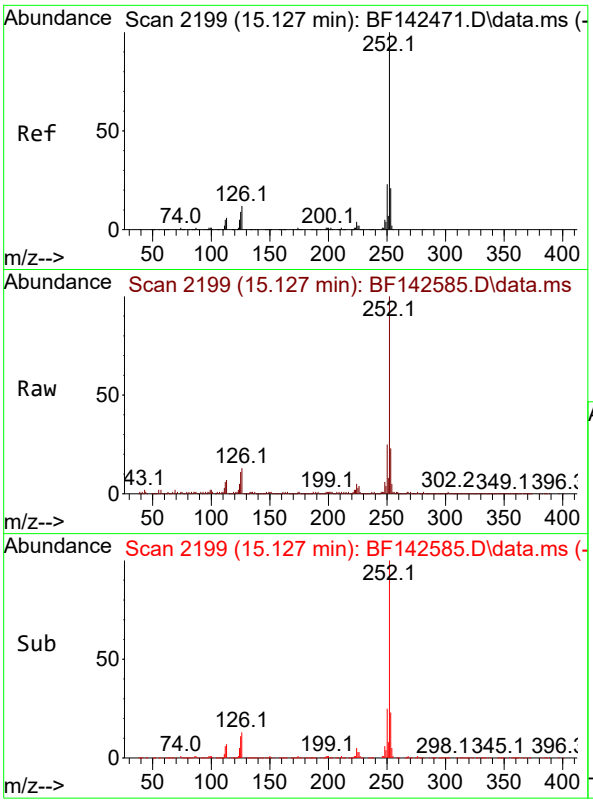


#87
Indeno(1,2,3-cd)pyrene
Concen: 7.678 ng
RT: 17.074 min Scan# 2530
Delta R.T. -0.018 min
Lab File: BF142585.D
Acq: 30 May 2025 22:41

Tgt Ion:276 Resp: 152667

Ion	Ratio	Lower	Upper
276	100		
138	23.6	19.9	29.9
277	25.0	20.2	30.2



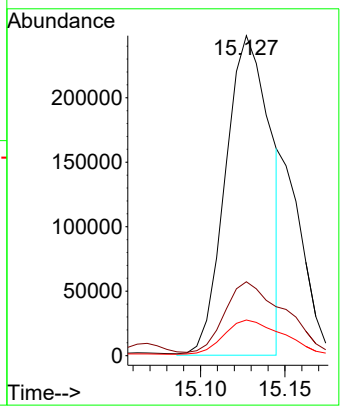


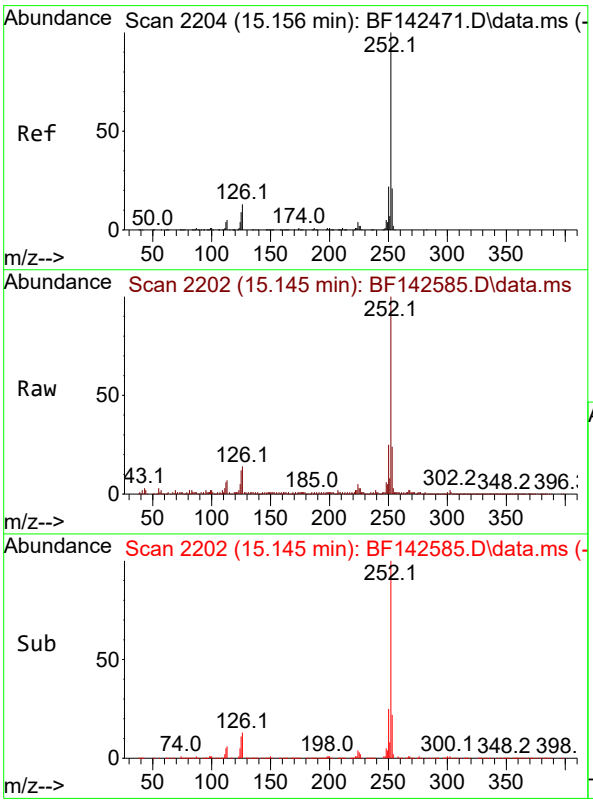
#88
Benzo(b)fluoranthene
Concen: 29.299 ng m
RT: 15.127 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF142585.D
Acq: 30 May 2025 22:41

Instrument :
BNA_F
ClientSampleId :
TP-52

Tgt Ion:252 Resp: 459256

Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.0	25.4
125	11.2	7.4	11.0#

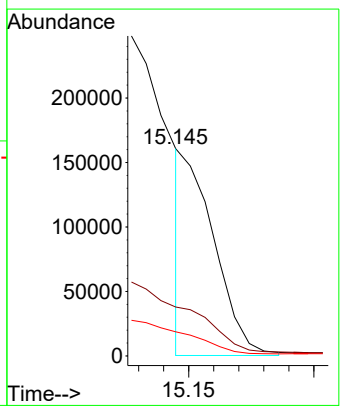


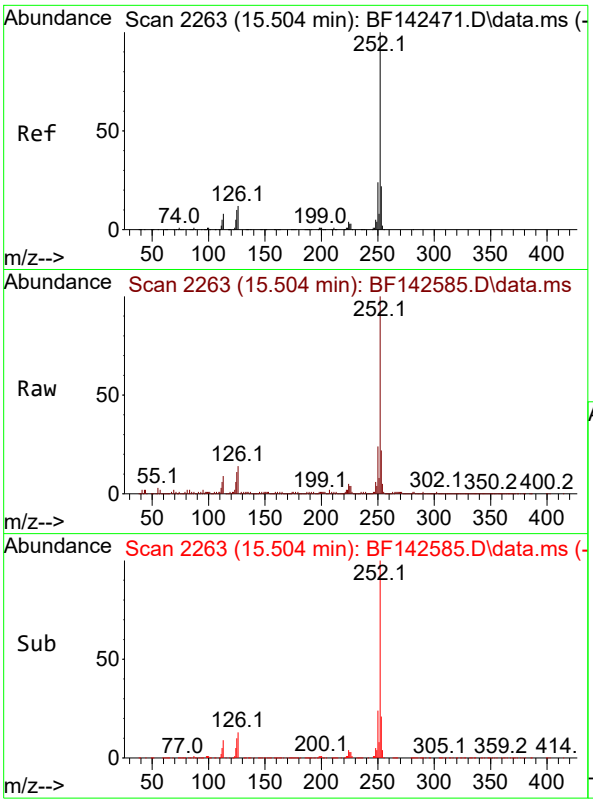


#89
Benzo(k)fluoranthene
Concen: 9.216 ng m
RT: 15.145 min Scan# 2202
Delta R.T. -0.018 min
Lab File: BF142585.D
Acq: 30 May 2025 22:41

Tgt Ion:252 Resp: 135303

Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.0	25.4
125	11.7	7.3	10.9#



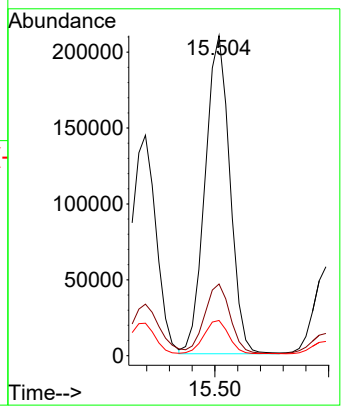


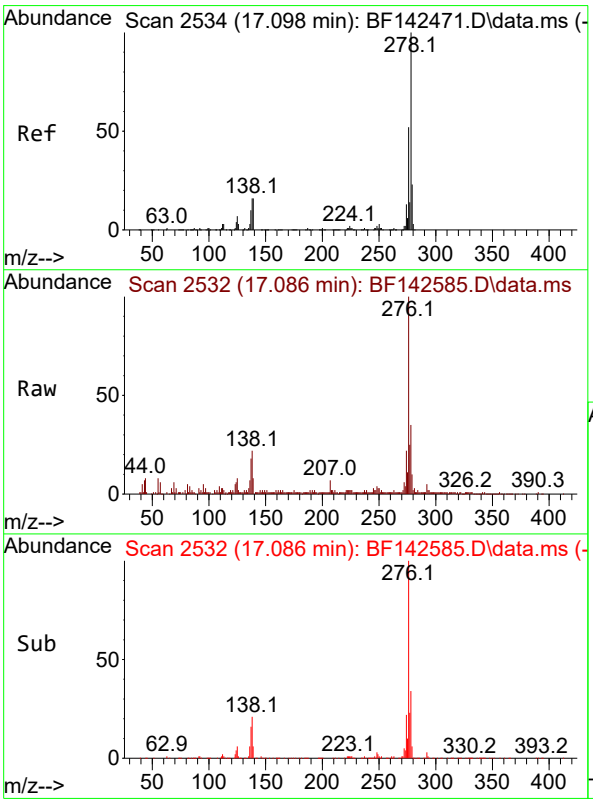
#90
Benzo(a)pyrene
Concen: 21.474 ng
RT: 15.504 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142585.D
Acq: 30 May 2025 22:41

Instrument :
BNA_F
ClientSampleId :
TP-52

Tgt Ion:252 Resp: 317279

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.4	26.0
125	11.0	7.9	11.9

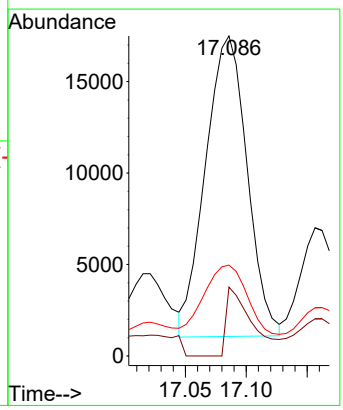


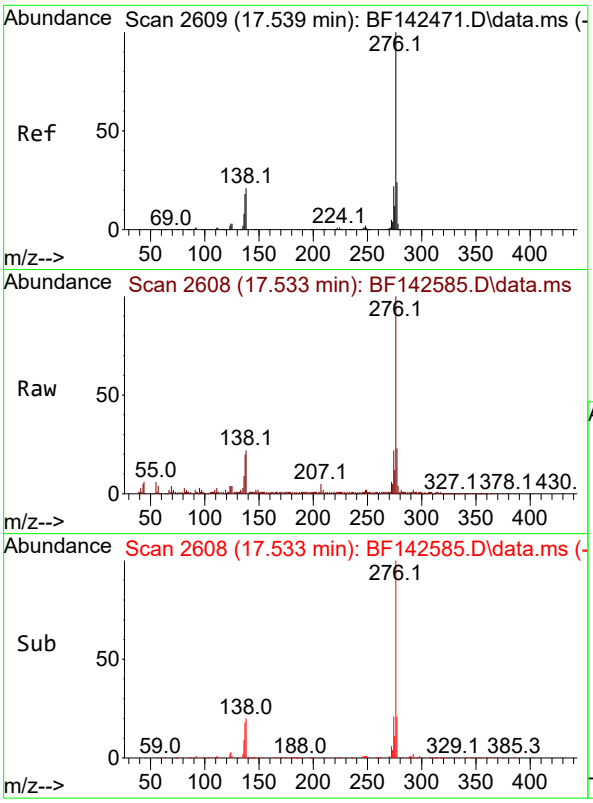


#91
Dibenzo(a,h)anthracene
Concen: 2.419 ng
RT: 17.086 min Scan# 2532
Delta R.T. -0.029 min
Lab File: BF142585.D
Acq: 30 May 2025 22:41

Tgt Ion:278 Resp: 39006

Ion	Ratio	Lower	Upper
278	100		
139	21.5	12.8	19.2#
279	28.4	18.6	28.0#



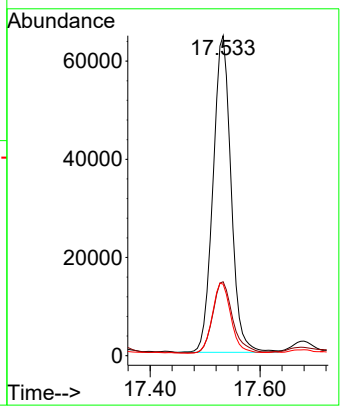


#92
Benzo(g,h,i)perylene
Concen: 9.119 ng
RT: 17.533 min Scan# 2
Delta R.T. -0.023 min
Lab File: BF142585.D
Acq: 30 May 2025 22:41

Instrument :
BNA_F
ClientSampleId :
TP-52

Tgt Ion:276 Resp: 147088

Ion	Ratio	Lower	Upper
276	100		
277	23.1	19.2	28.8
138	22.4	16.8	25.2



Sample Results: **BF142585.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053025\
Data File : BF142585.D
Acq On : 30 May 2025 22:41
Operator : RC/JU
Sample : Q2150-08
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-52

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-BF052025.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF142585.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.299	13	18	30	rVB	26923	48271	1.97%	0.163%
2	5.116	488	497	511	rBV	181854	286965	11.70%	0.967%
3	5.516	559	565	570	rBV	1829344	2435191	99.31%	8.203%
4	5.845	616	621	629	rBV	59485	77449	3.16%	0.261%
5	6.522	725	736	741	rBV	1744939	2450336	99.92%	8.254%
6	6.898	795	800	805	rVB	618469	756248	30.84%	2.547%
7	7.457	884	895	900	rBV	1167788	1545101	63.01%	5.205%
8	7.710	934	938	944	rVB	29908	38949	1.59%	0.131%
9	8.181	1010	1018	1025	rBV	752382	993402	40.51%	3.346%
10	8.392	1049	1054	1061	rVB2	21813	30372	1.24%	0.102%
11	8.769	1113	1118	1121	rBV	47599	56880	2.32%	0.192%
12	9.257	1195	1201	1206	rBV	1947349	2452188	100.00%	8.260%
13	9.333	1209	1214	1222	rBV	59595	84450	3.44%	0.284%
14	9.651	1264	1268	1275	rVB3	34707	60017	2.45%	0.202%
15	9.798	1288	1293	1298	rBV	83747	105670	4.31%	0.356%
16	9.863	1299	1304	1308	rVB	50821	65336	2.66%	0.220%
17	9.933	1311	1316	1321	rBV	681221	892695	36.40%	3.007%
18	10.139	1346	1351	1355	rBV	24313	34283	1.40%	0.115%
19	10.363	1381	1389	1392	rBV2	44212	76550	3.12%	0.258%
20	10.486	1406	1410	1415	rVB	27940	43201	1.76%	0.146%
21	10.586	1422	1427	1432	rVV2	14527	25754	1.05%	0.087%
22	10.645	1432	1437	1444	rVB	135497	190869	7.78%	0.643%
23	10.727	1445	1451	1462	rBV	993381	1335038	54.44%	4.497%
24	10.845	1466	1471	1477	rVB3	50767	89507	3.65%	0.301%
25	11.033	1498	1503	1506	rBV3	18361	32522	1.33%	0.110%
26	11.280	1540	1545	1548	rBV4	21777	36030	1.47%	0.121%
27	11.316	1548	1551	1558	rVB2	28460	45187	1.84%	0.152%
28	11.427	1564	1570	1578	rBV2	557293	1003037	40.90%	3.379%
29	11.498	1578	1582	1586	rVV	86795	117359	4.79%	0.395%
30	11.533	1586	1588	1594	rVB2	21603	28282	1.15%	0.095%
31	11.657	1605	1609	1615	rBV3	18619	38530	1.57%	0.130%
32	11.716	1616	1619	1623	rVV2	24134	35776	1.46%	0.121%
33	11.757	1623	1626	1630	rVB	22058	27961	1.14%	0.094%
34	11.951	1650	1659	1664	rBV3	341234	597240	24.36%	2.012%
35	12.004	1664	1668	1670	rVV	46771	73801	3.01%	0.249%
36	12.039	1670	1674	1683	rVB	157183	285312	11.63%	0.961%

Sample Results: **BF142585.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053025\
Data File : BF142585.D
Acq On : 30 May 2025 22:41
Operator : RC/JU
Sample : Q2150-08
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-52

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-BF052025.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	12.221	1698	1705	1708	rBV	55980	98202	4.00%	0.331%
38	12.368	1725	1730	1733	rBV2	25600	44918	1.83%	0.151%
39	12.404	1733	1736	1738	rBV	21968	25673	1.05%	0.086%
40	12.474	1744	1748	1751	rBV	94828	133878	5.46%	0.451%
41	12.510	1751	1754	1760	rVV2	63777	107570	4.39%	0.362%
42	12.563	1760	1763	1771	rVB3	47496	80789	3.29%	0.272%
43	12.639	1771	1776	1781	rBV	881883	1115306	45.48%	3.757%
44	12.733	1788	1792	1799	rVB	67960	80375	3.28%	0.271%
45	12.792	1799	1802	1808	rVB3	34082	53914	2.20%	0.182%
46	12.868	1808	1815	1821	rBV	859017	1285596	52.43%	4.330%
47	12.921	1821	1824	1828	rVB2	48347	67224	2.74%	0.226%
48	13.010	1832	1839	1846	rVB	1499817	1990263	81.16%	6.704%
49	13.086	1847	1852	1859	rBV3	95839	180214	7.35%	0.607%
50	13.198	1863	1871	1875	rVB	175326	317474	12.95%	1.069%
51	13.263	1878	1882	1885	rVV	136985	168186	6.86%	0.567%
52	13.304	1885	1889	1896	rVB2	114166	172086	7.02%	0.580%
53	13.392	1901	1904	1907	rBV	67437	83895	3.42%	0.283%
54	13.427	1907	1910	1913	rVB	63606	75575	3.08%	0.255%
55	13.580	1933	1936	1938	rBV2	33736	49434	2.02%	0.167%
56	13.815	1972	1976	1979	rBV2	93135	145657	5.94%	0.491%
57	13.910	1988	1992	1998	rVB3	147816	225973	9.22%	0.761%
58	14.062	2012	2018	2022	rBV2	980257	1860542	75.87%	6.267%
59	14.174	2034	2037	2040	rVB	81209	87549	3.57%	0.295%
60	14.451	2081	2084	2088	rVB	109745	138458	5.65%	0.466%
61	14.580	2104	2106	2108	rBV	54384	56867	2.32%	0.192%
62	15.127	2193	2199	2208	rBV	630627	1532319	62.49%	5.162%
63	15.233	2214	2217	2222	rVB	131231	174754	7.13%	0.589%
64	15.439	2247	2252	2258	rVB	354503	576011	23.49%	1.940%
65	15.504	2258	2263	2268	rBV	506601	757564	30.89%	2.552%
66	15.568	2269	2274	2277	rBV	435399	704576	28.73%	2.373%
67	17.074	2524	2530	2540	rVB2	201871	448824	18.30%	1.512%
68	17.533	2602	2608	2621	rVB	153340	351948	14.35%	1.186%

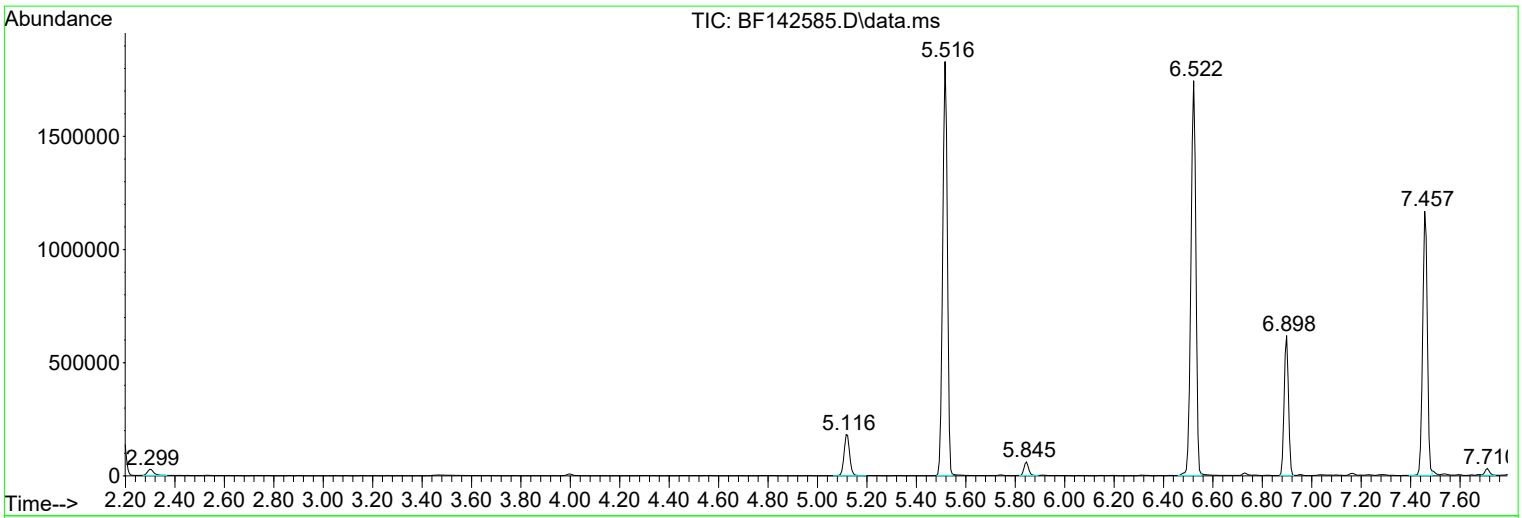
Sum of corrected areas: 29687373

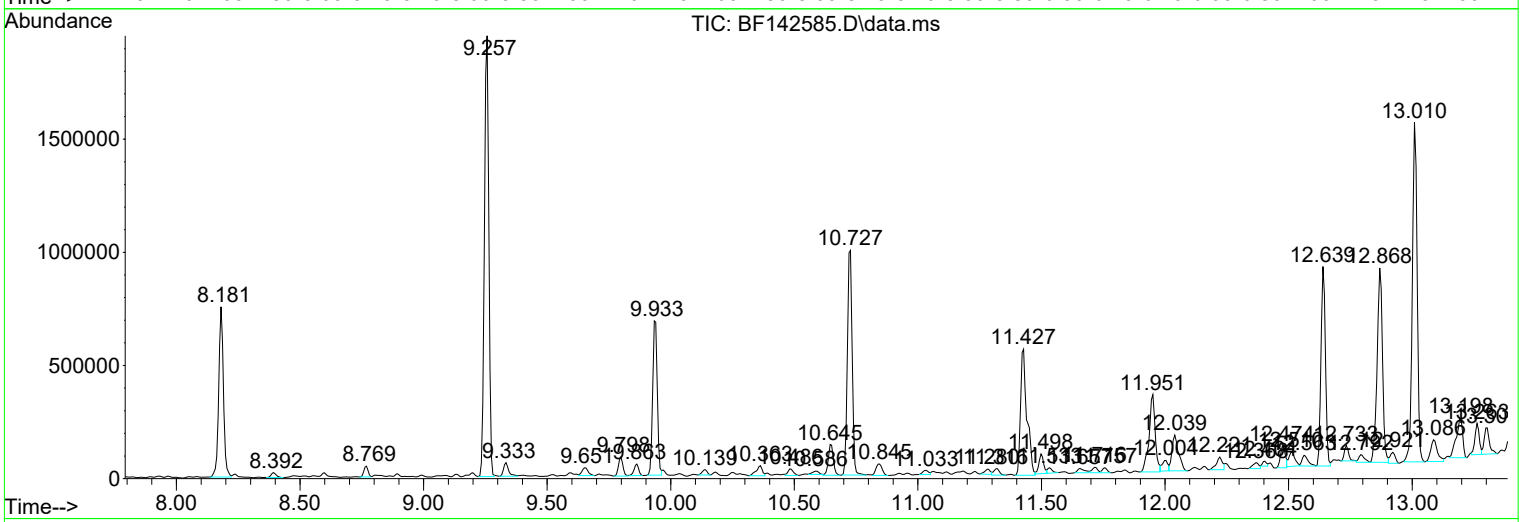
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053025\
Data File : BF142585.D
Acq On : 30 May 2025 22:41
Operator : RC/JU
Sample : Q2150-08
Misc :
ALS Vial : 21 Sample Multiplier: 1

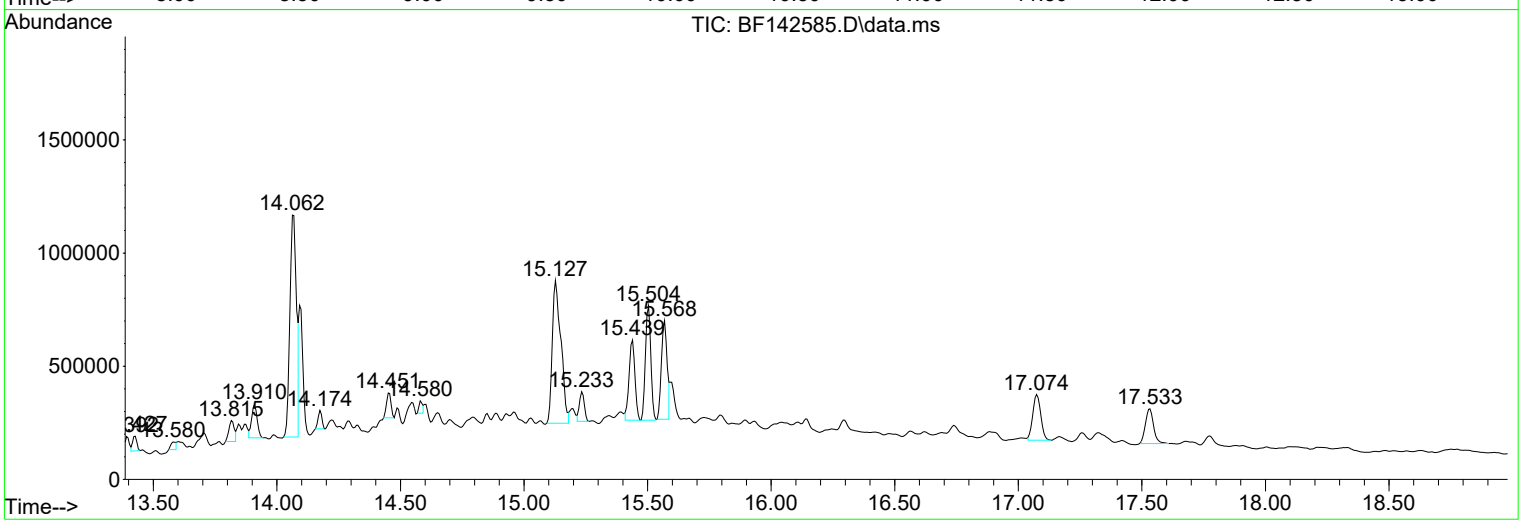
Instrument :
BNA_F
ClientSampleId :
TP-52

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.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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Acq On : 30 May 2025 22:41
Operator : RC/JU
Sample : Q2150-08
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-52

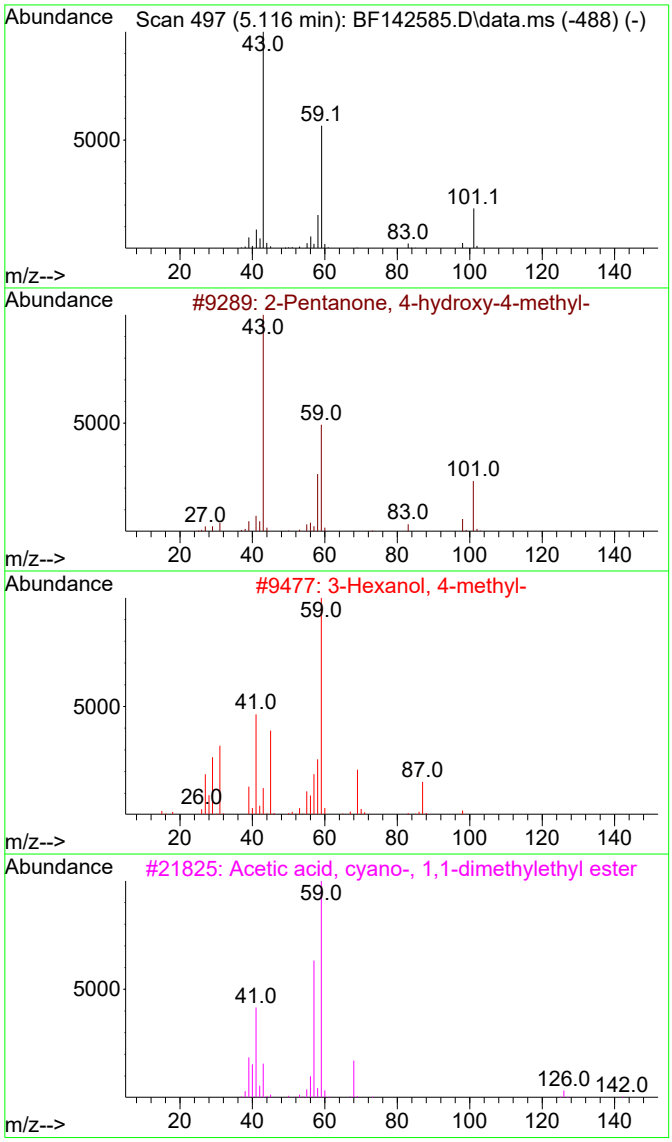
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

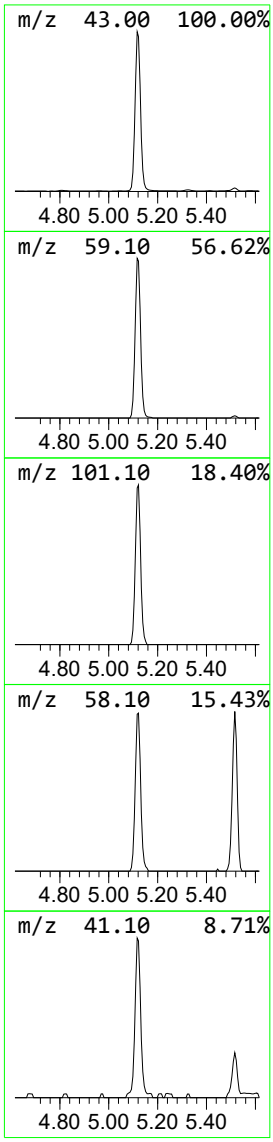
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.116	7.59 ng	286965	1,4-Dichlorobenzene-d4	6.898

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	33
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
4	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	12
5	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9





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Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

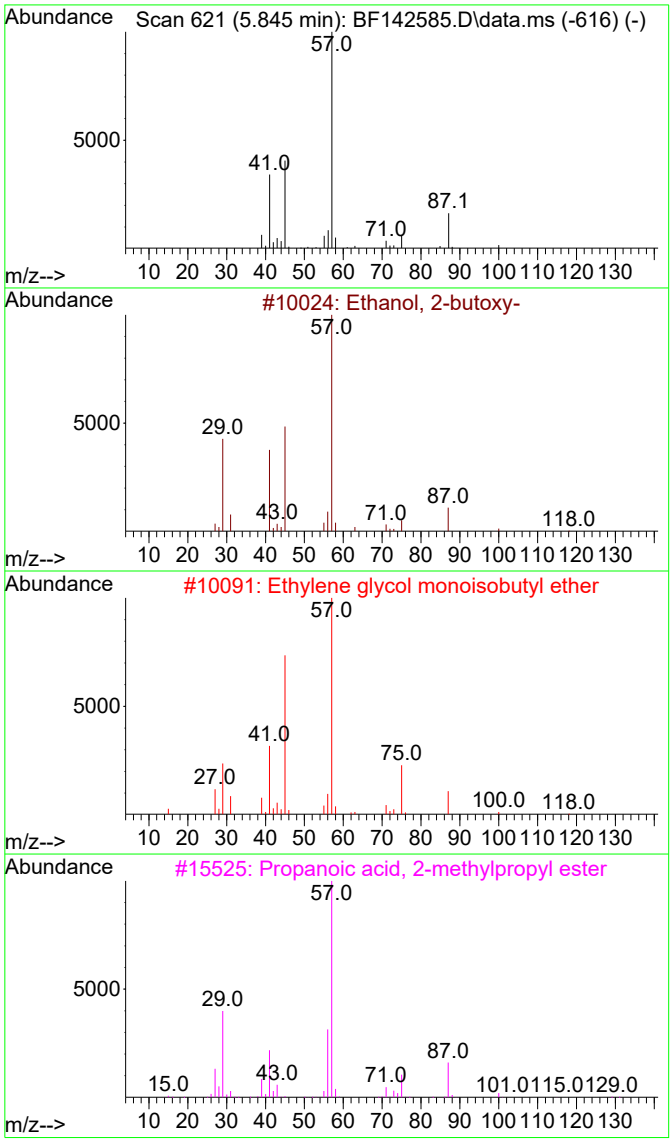
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

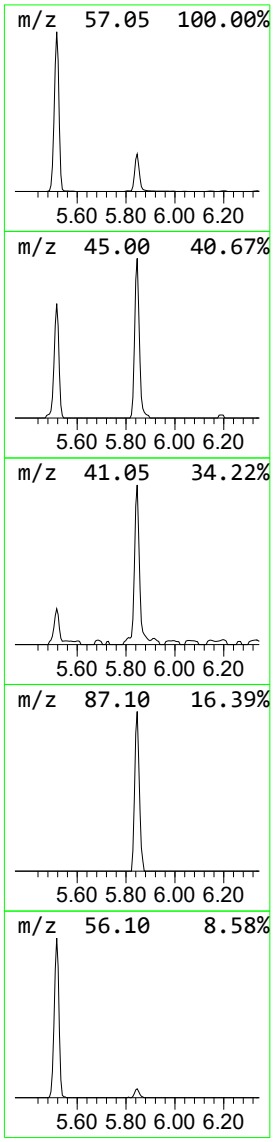
****

Peak Number 2 Ethanol, 2-butoxy- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.845	2.05 ng	77449	1,4-Dichlorobenzene-d4	6.898

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanol, 2-butoxy-	118	C6H14O2	000111-76-2	74
2	Ethylene glycol monoisobutyl ether	118	C6H14O2	004439-24-1	42
3	Propanoic acid, 2-methylpropyl e...	130	C7H14O2	000540-42-1	17
4	Isobutyl ether	130	C8H18O	000628-55-7	16
5	n-Butyl ether	130	C8H18O	000142-96-1	16





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Sample : Q2150-08
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

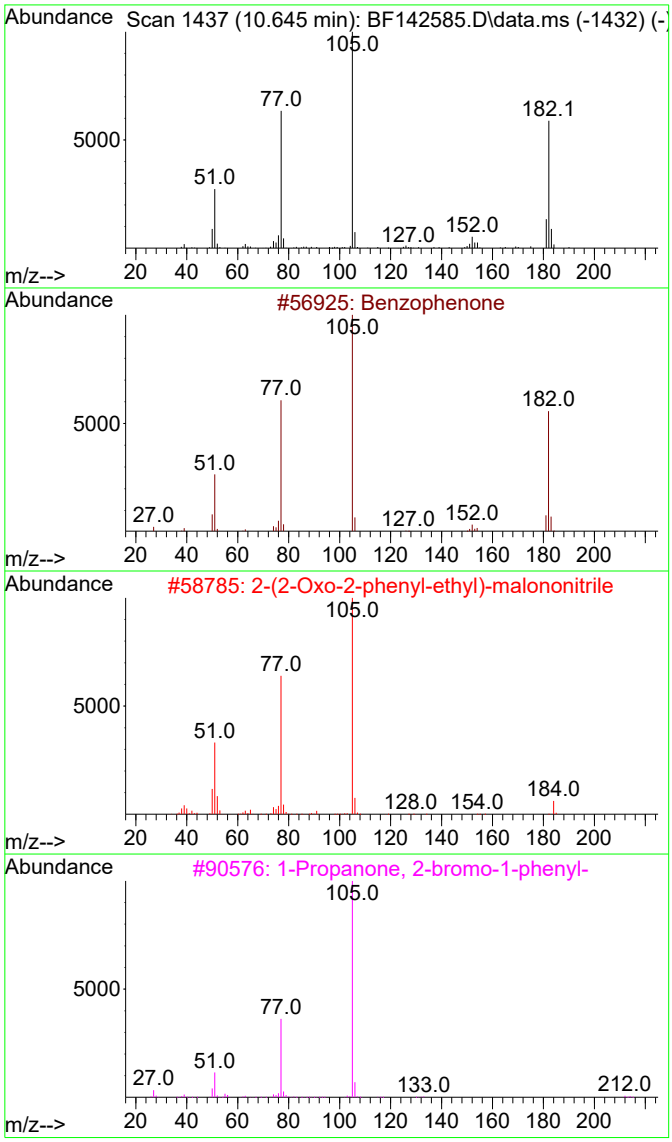
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

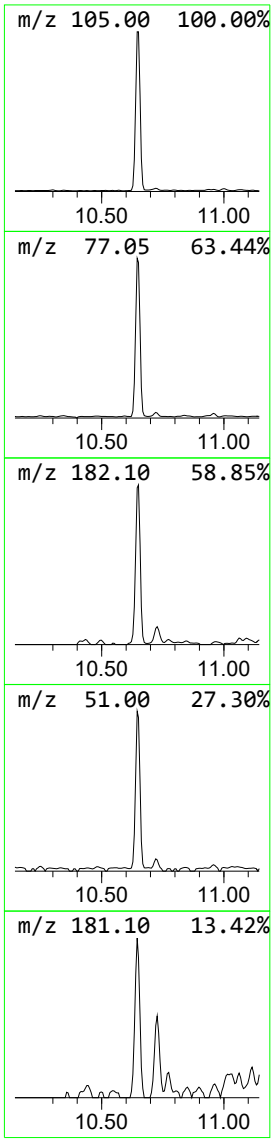
****

Peak Number 3 Benzophenone Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.645	4.28 ng	190869	Acenaphthene-d10	9.939

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	2-(2-Oxo-2-phenyl-ethyl)-malonon...	184	C11H8N2O	1000296-76-9	53
3	1-Propanone, 2-bromo-1-phenyl-	212	C9H9BrO	002114-00-3	47
4	acetic acid, 2-bromo-, 2-oxo-2-p...	256	C10H9BrO3	1000401-50-0	47
5	N-Methylbenzamide, N-chlorodiflu...	247	C10H8ClF2NO2	1000446-98-2	47





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Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

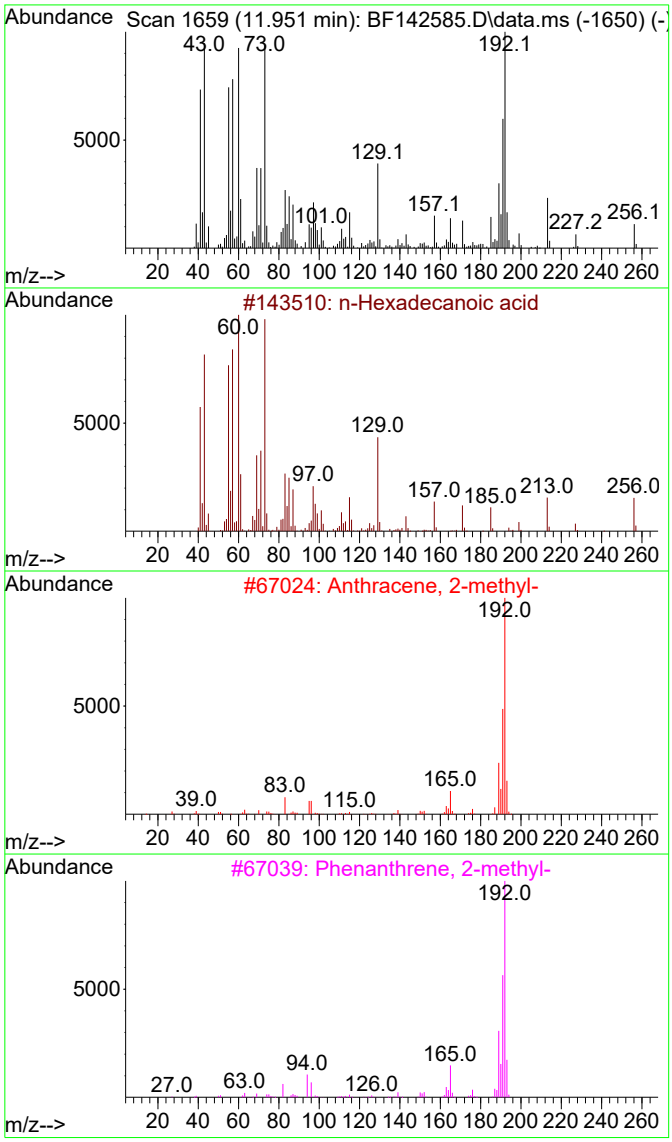
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

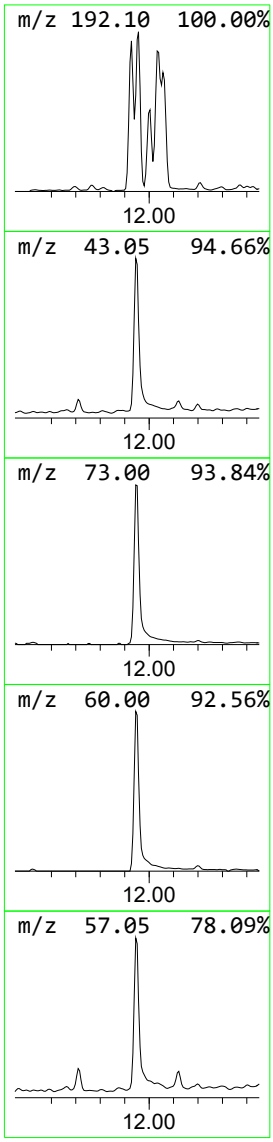
****

Peak Number 4 n-Hexadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.951	11.91 ng	597240	Phenanthrene-d10	11.427

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	97
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
4	Tridecanoic acid	214	C13H26O2	000638-53-9	87
5	n-Decanoic acid	172	C10H20O2	000334-48-5	83





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Sample    : Q2150-08
Misc      :
ALS Vial  : 21   Sample Multiplier: 1

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TIC Library   : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P
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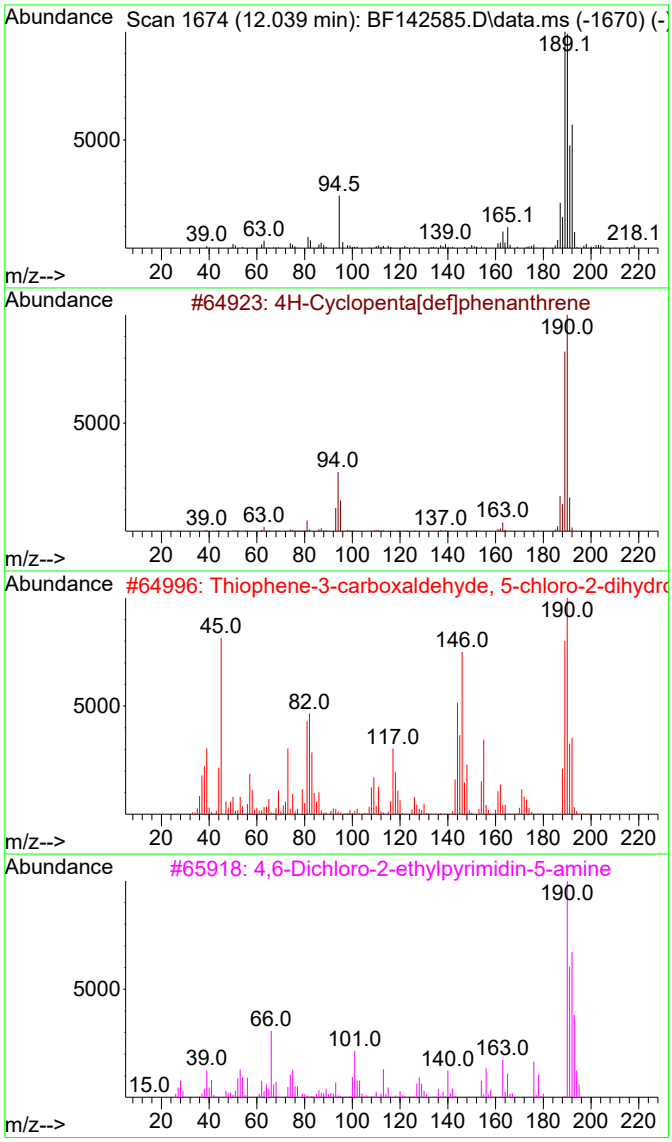
Instrument :
BNA_F
ClientSampleId :
TP-52

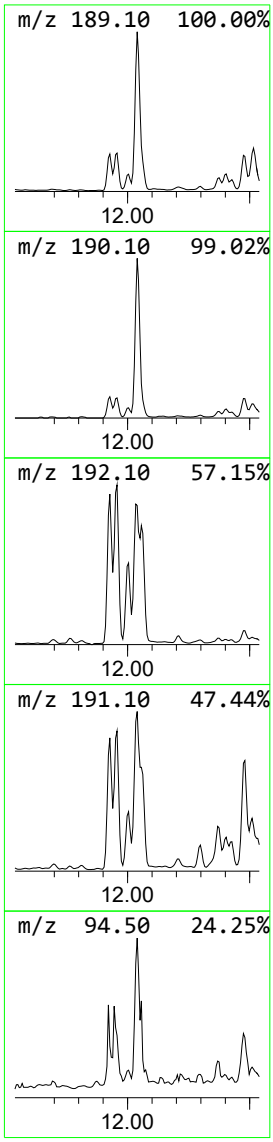
****

Peak Number 5 4H-Cyclopenta[def]phenanthrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.039	5.69 ng	285312	Phenanthrene-d10	11.427

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	50
3	4,6-Dichloro-2-ethylpyrimidin-5-...	191	C6H7Cl2N3	006237-96-3	43
4	2-Amino-4,6-dichloropyrimidine-5...	191	C5H3Cl2N3O	005604-46-6	43
5	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	43





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Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-52

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

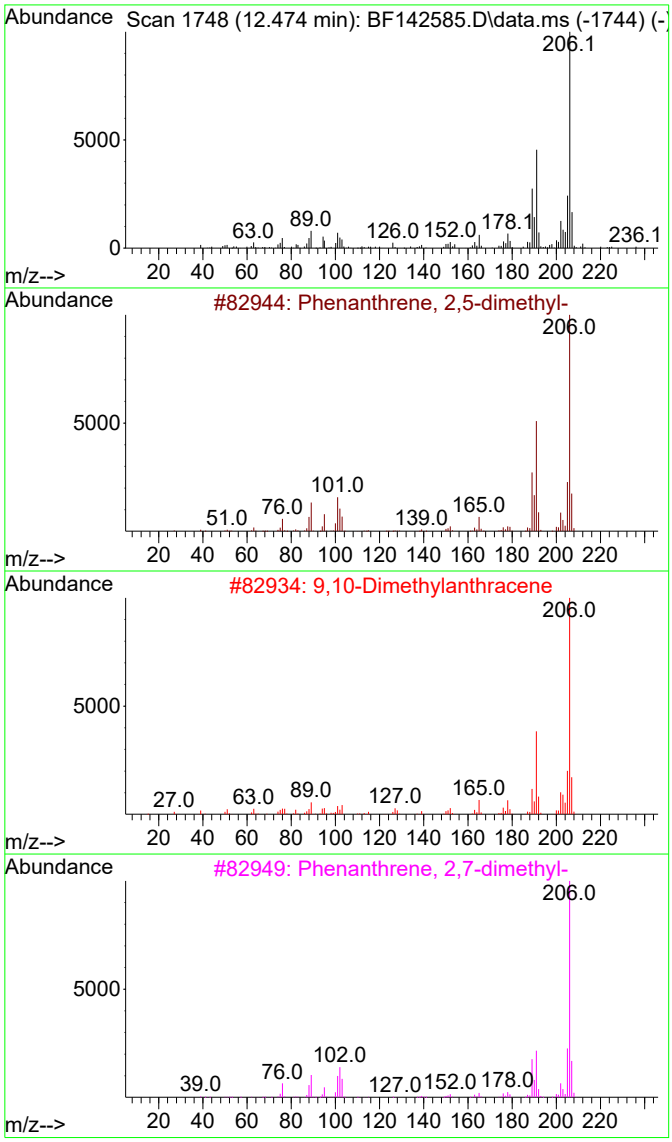
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

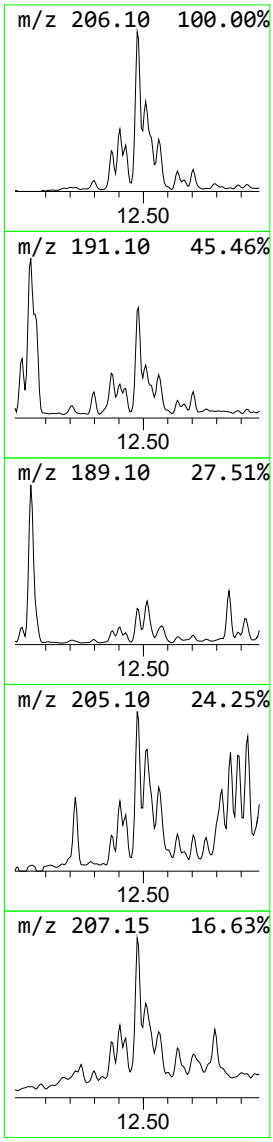
****

Peak Number 6 Phenanthrene, 2,5-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.474	2.67 ng	133878	Phenanthrene-d10	11.427

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	96
3	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	93
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91





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Misc :
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Instrument :
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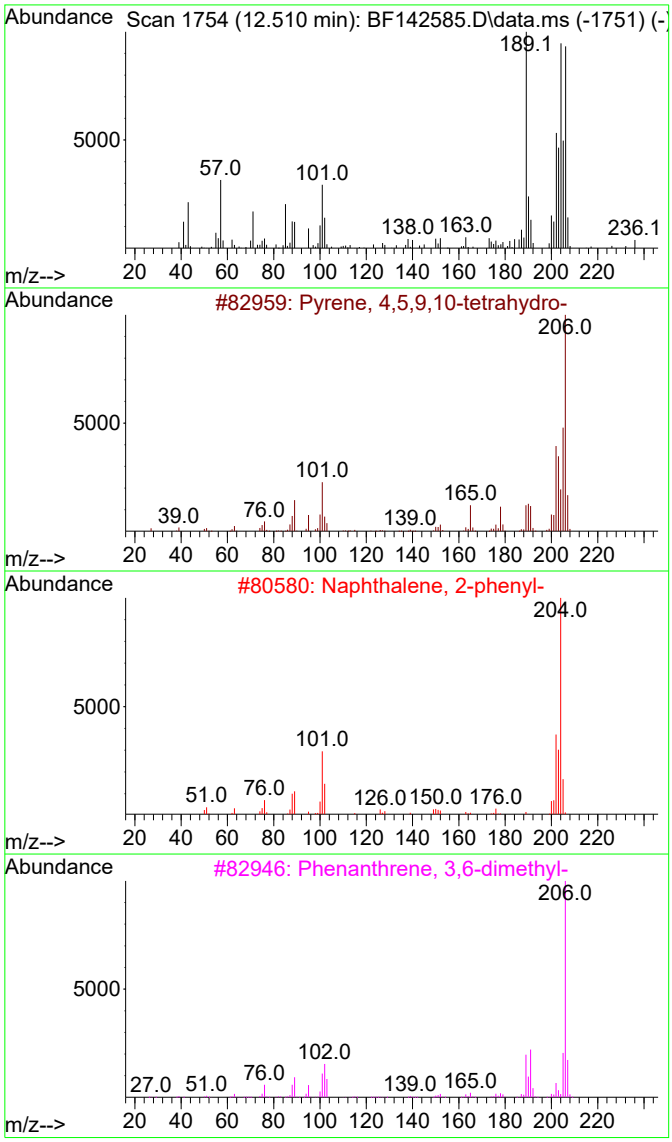
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

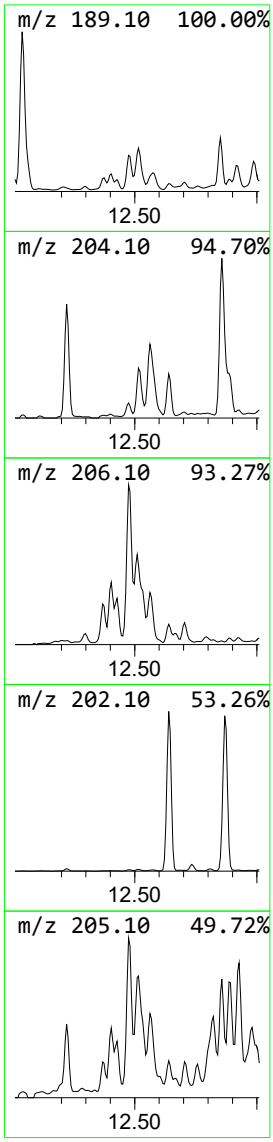
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Pyrene, 4,5,9,10-tetrahydro- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.510	2.14 ng	107570	Phenanthrene-d10	11.427

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	51
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	35
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	27
4	Isoquinoline, 1,2,3,4-tetrahydro...	205	C12H19NSi	069944-96-3	25
5	4-(Trifluoromethoxy)benzoic acid	206	C8H5F3O3	000330-12-1	22





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ALS Vial : 21 Sample Multiplier: 1

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TIC Library : C:\Database\NIST20.L
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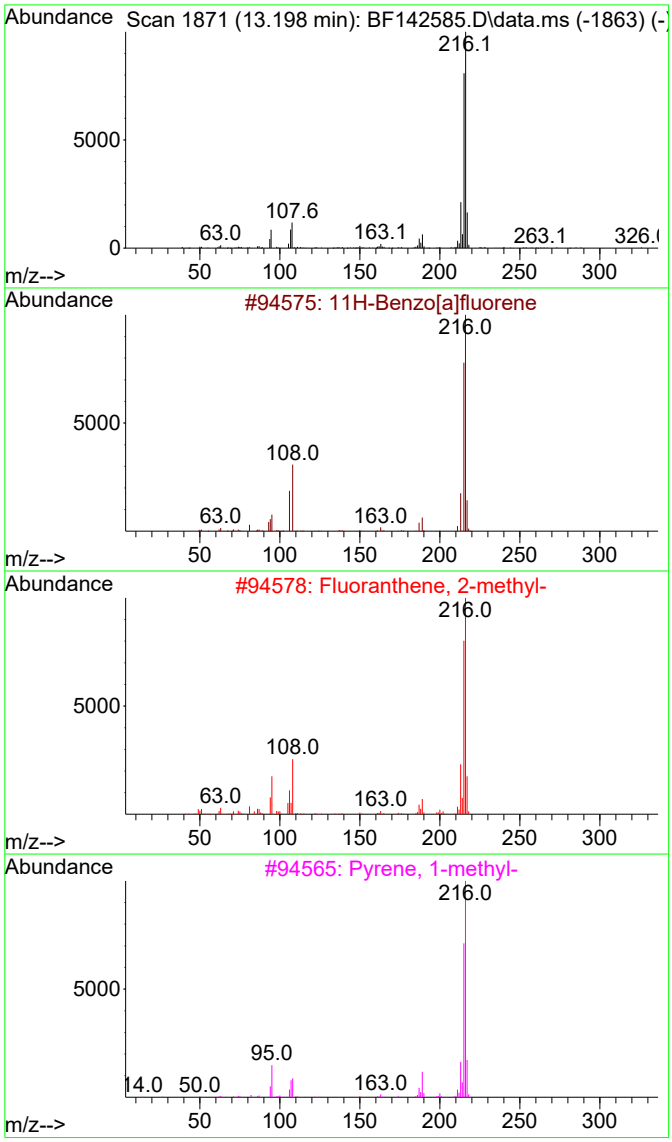
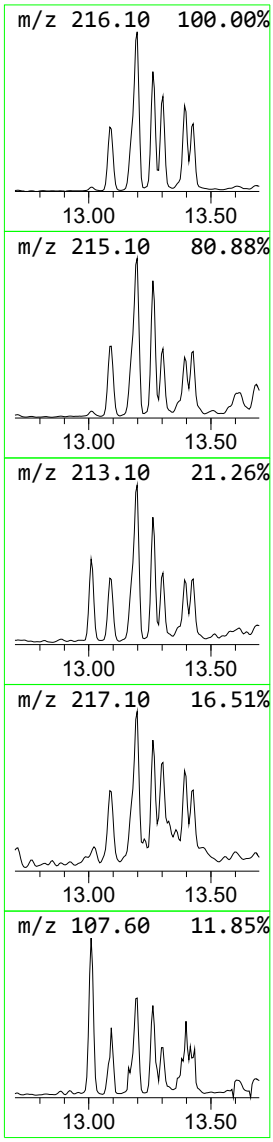
****

Peak Number 8 11H-Benzo[a]fluorene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.198	3.41 ng	317474	Chrysene-d12	14.068

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	87





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ClientSampleId :
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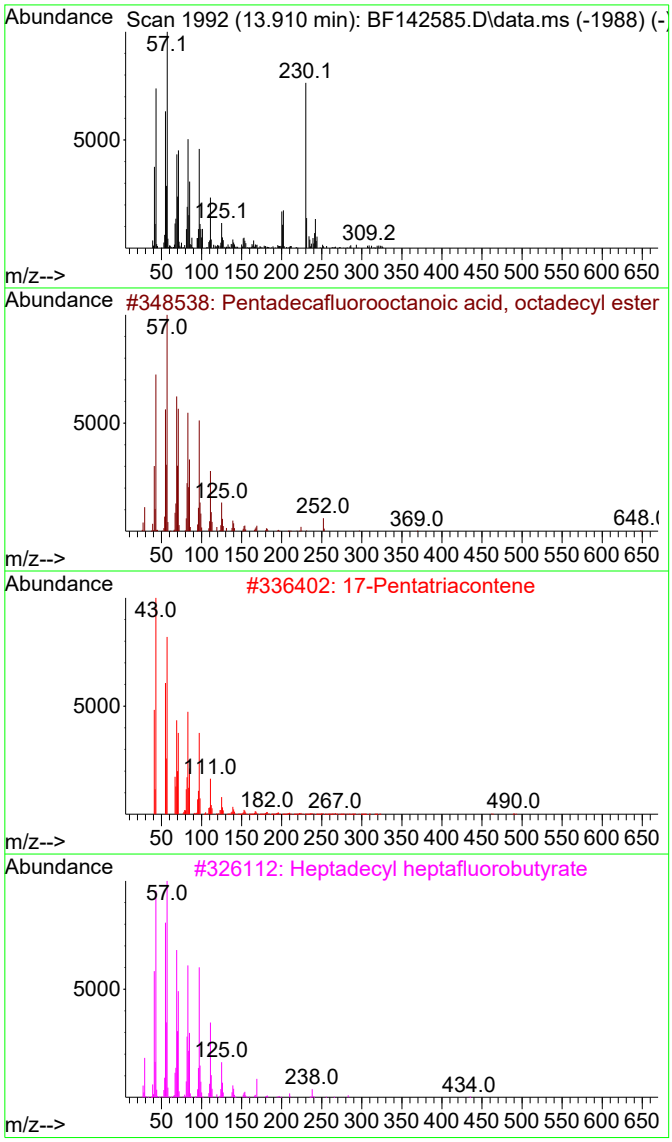
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

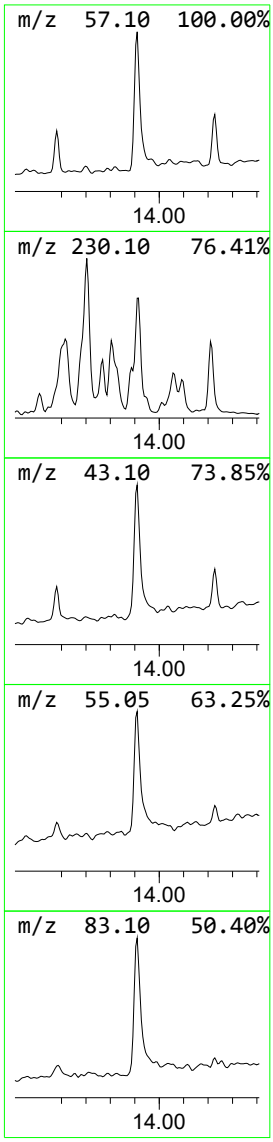
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Pentadecafluorooctanoic aci... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.910	2.43 ng	225973	Chrysene-d12	14.068

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecafluorooctanoic acid, oc...	666	C26H37F15O2	1000406-04-8	78
2	17-Pentatriacontene	491	C35H70	006971-40-0	60
3	Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	60
4	Tricosyl trifluoroacetate	436	C25H47F3O2	1000351-75-1	60
5	Tetracosyl heptafluorobutyrate	550	C28H49F7O2	1000351-83-7	60





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ALS Vial : 21 Sample Multiplier: 1

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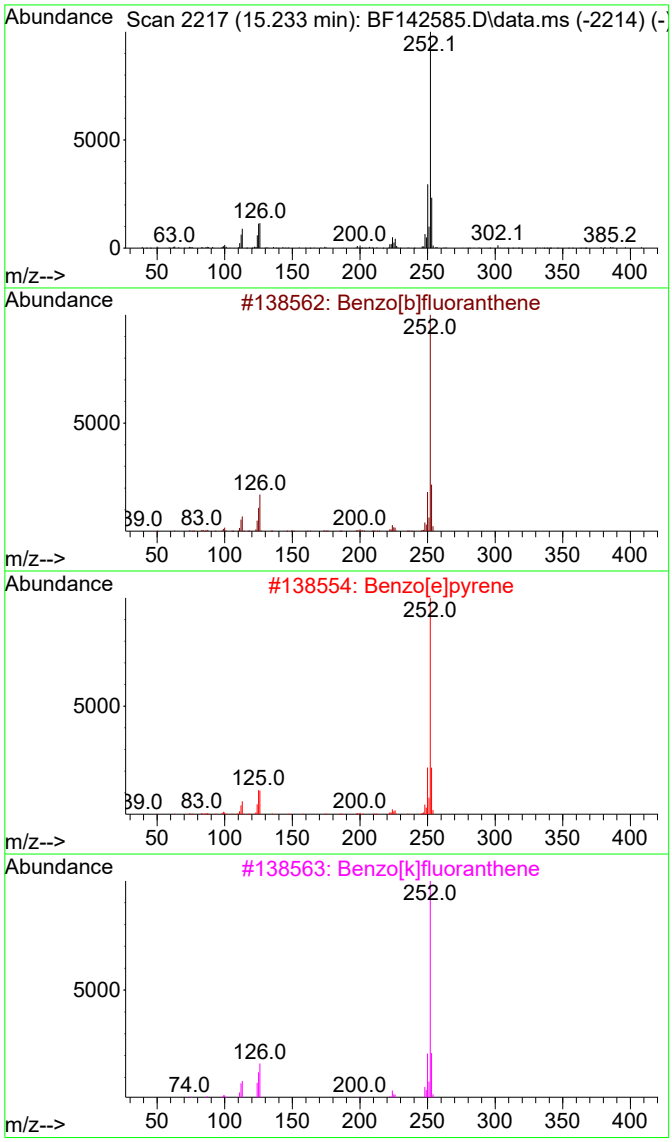
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

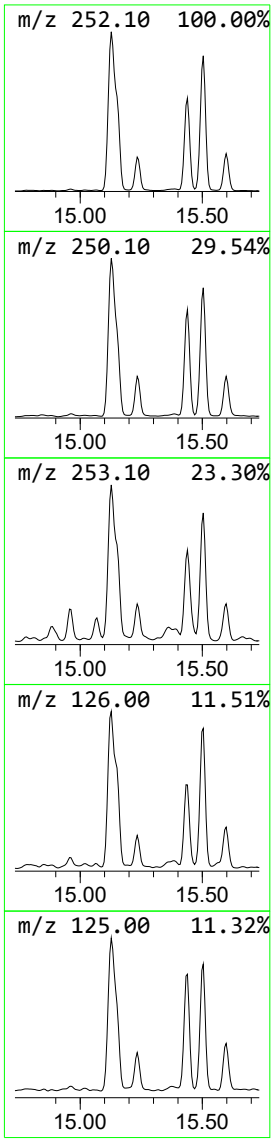
****

Peak Number 10 Benzo[e]pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.233	4.96 ng	174754	Perylene-d12	15.568

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]fluoranthene	252	C20H12	000205-99-2	93
2	Benzo[e]pyrene	252	C20H12	000192-97-2	93
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
4	Benzo[a]pyrene	252	C20H12	000050-32-8	91
5	Perylene	252	C20H12	000198-55-0	81





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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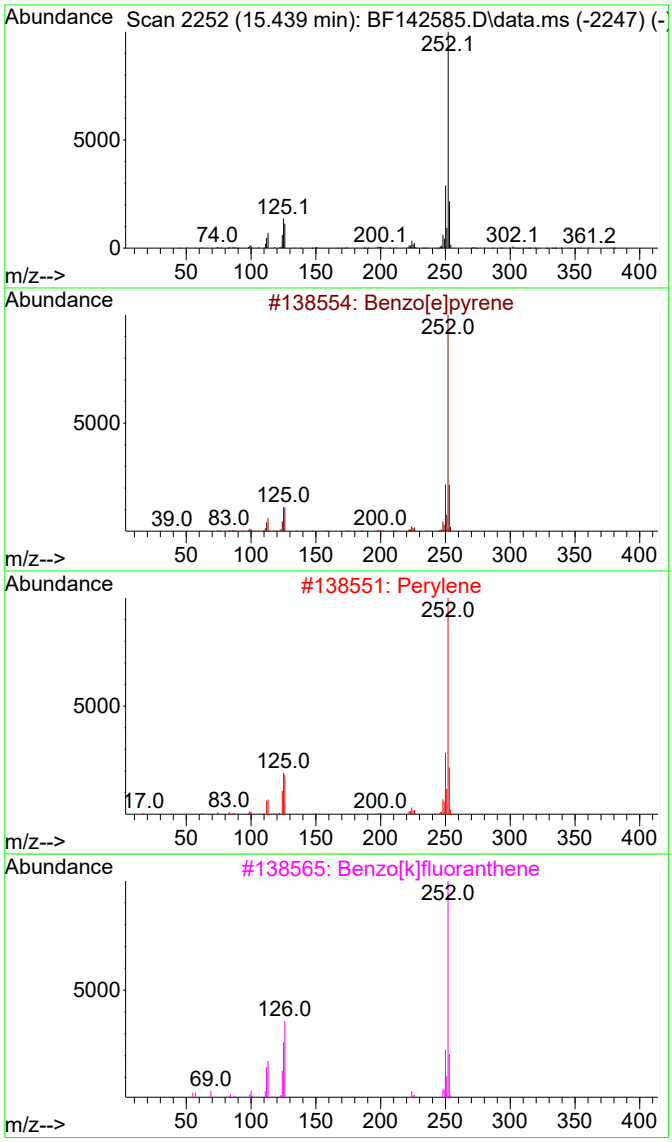
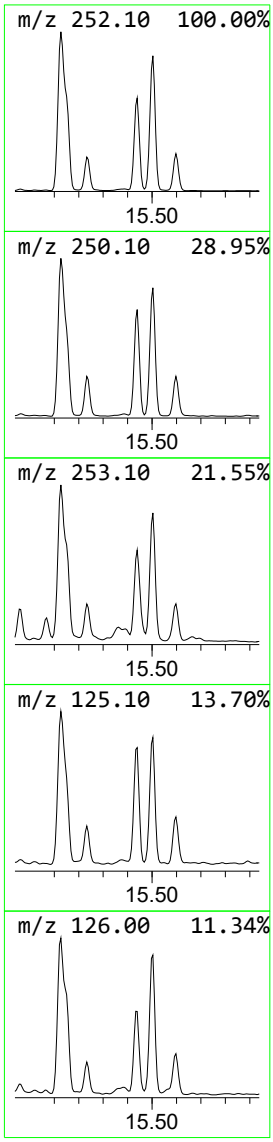
Peak Number 11 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.439	16.35 ng	576011	Perylene-d12	15.568

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Perylene	252	C20H12	000198-55-0	97
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	96
4	Benzo[b]fluoranthene	252	C20H12	000205-99-2	94
5	Benzo[a]pyrene	252	C20H12	000050-32-8	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053025\
Data File : BF142585.D
Acq On : 30 May 2025 22:41
Operator : RC/JU
Sample : Q2150-08
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-52

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.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-...	5.116	7.6	ng	286965	1	6.898	756248	20.0
Ethanol, 2-butoxy-	5.845	2.0	ng	77449	1	6.898	756248	20.0
Benzophenone	10.645	4.3	ng	190869	3	9.939	892695	20.0
n-Hexadecanoic ...	11.951	11.9	ng	597240	4	11.427	1003040	20.0
4H-Cyclopenta[d...	12.039	5.7	ng	285312	4	11.427	1003040	20.0
Phenanthrene, 2...	12.474	2.7	ng	133878	4	11.427	1003040	20.0
Pyrene, 4,5,9,1...	12.510	2.1	ng	107570	4	11.427	1003040	20.0
11H-Benzo[a]flu...	13.198	3.4	ng	317474	5	14.068	1860540	20.0
Pentadecafluoro...	13.910	2.4	ng	225973	5	14.068	1860540	20.0
Benzo[e]pyrene	15.233	5.0	ng	174754	6	15.568	704576	20.0
Perylene	15.439	16.4	ng	576011	6	15.568	704576	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053025\
Data File : BF142570.D
Acq On : 30 May 2025 15:21
Operator : RC/JU
Sample : Q2150-09
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-54

Quant Time: May 30 15:43:17 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration

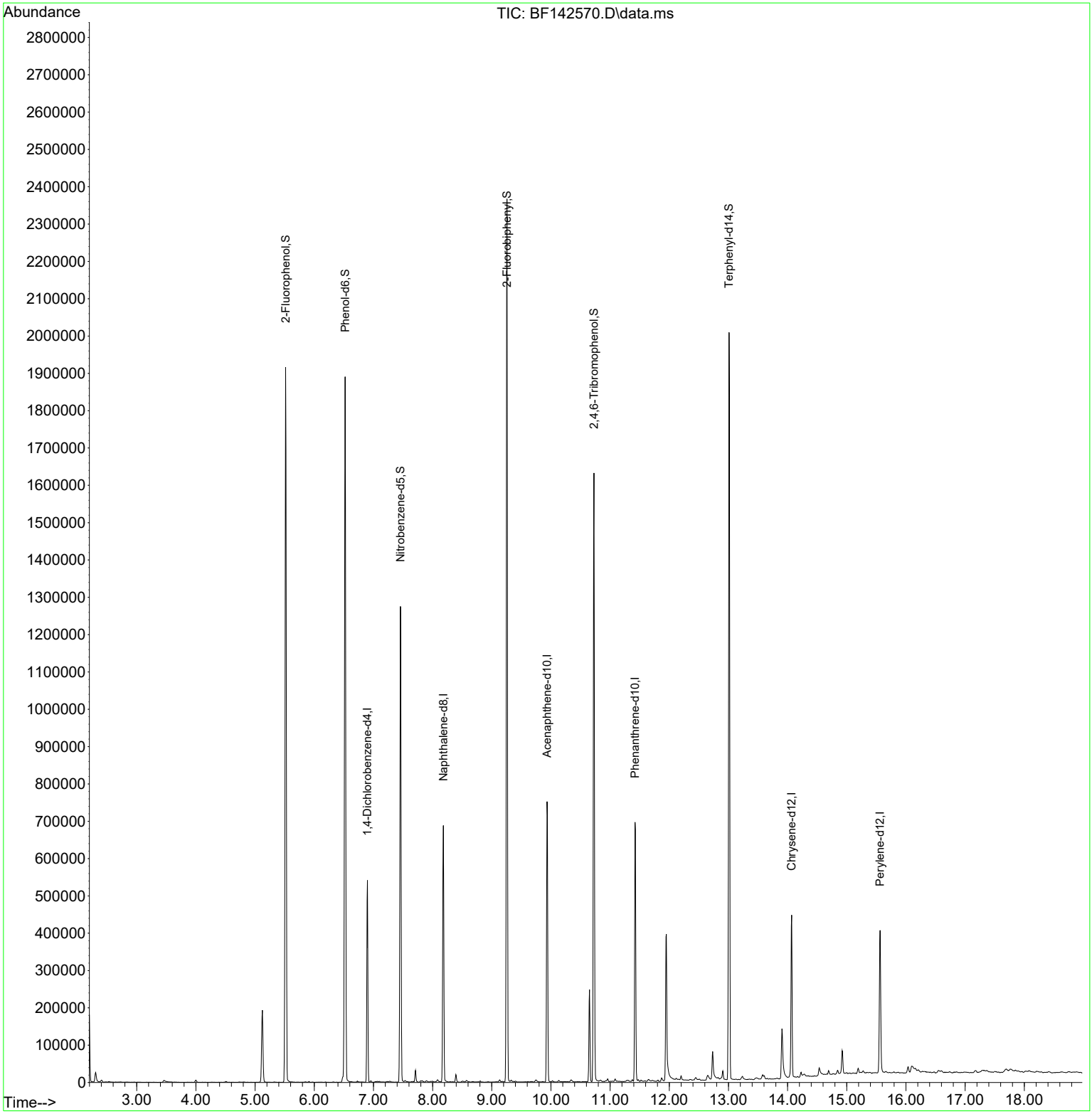
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	118247	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	441924	20.000	ng	0.00
39) Acenaphthene-d10	9.933	164	231484	20.000	ng	-0.01
64) Phenanthrene-d10	11.422	188	379392	20.000	ng	-0.01
76) Chrysene-d12	14.068	240	216438	20.000	ng	0.00
86) Perylene-d12	15.562	264	226398	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	756406	107.771	ng	0.00
7) Phenol-d6	6.522	99	949761	112.414	ng	-0.01
23) Nitrobenzene-d5	7.457	82	557041	68.733	ng	-0.02
42) 2,4,6-Tribromophenol	10.727	330	303025	117.946	ng	-0.01
45) 2-Fluorobiphenyl	9.257	172	1081028	62.665	ng	-0.01
79) Terphenyl-d14	13.010	244	985998	62.254	ng	0.00
Target Compounds						Qvalue

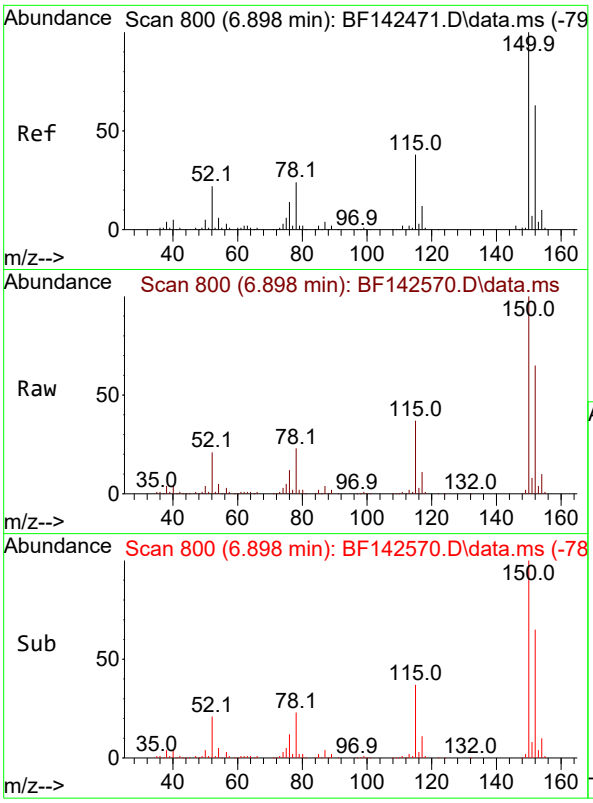
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053025\
Data File : BF142570.D
Acq On : 30 May 2025 15:21
Operator : RC/JU
Sample : Q2150-09
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-54

Quant Time: May 30 15:43:17 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration



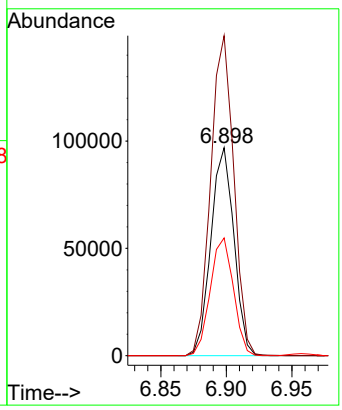


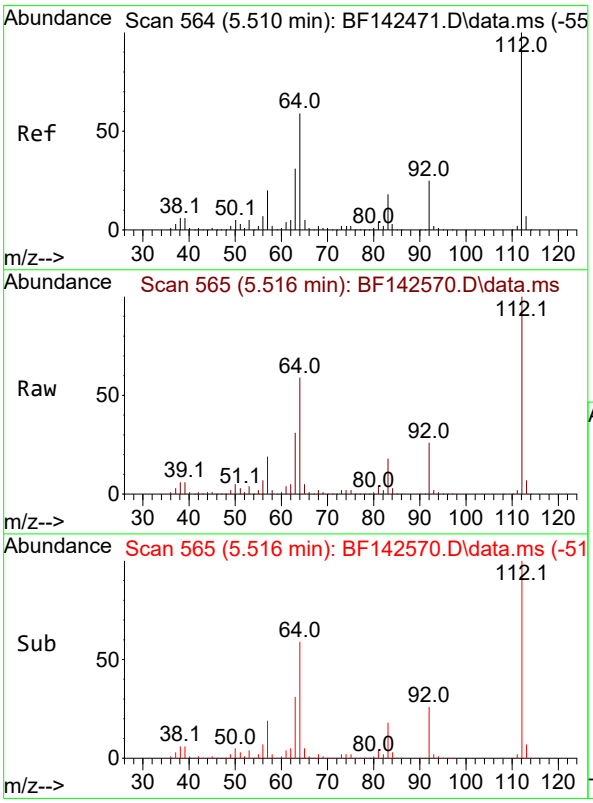
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142570.D
Acq: 30 May 2025 15:21

Instrument :
BNA_F
ClientSampleId :
TP-54

Tgt Ion:152 Resp: 118247

Ion	Ratio	Lower	Upper
152	100		
150	153.9	128.2	192.4
115	56.6	48.3	72.5

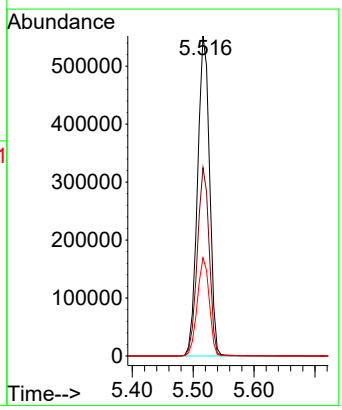


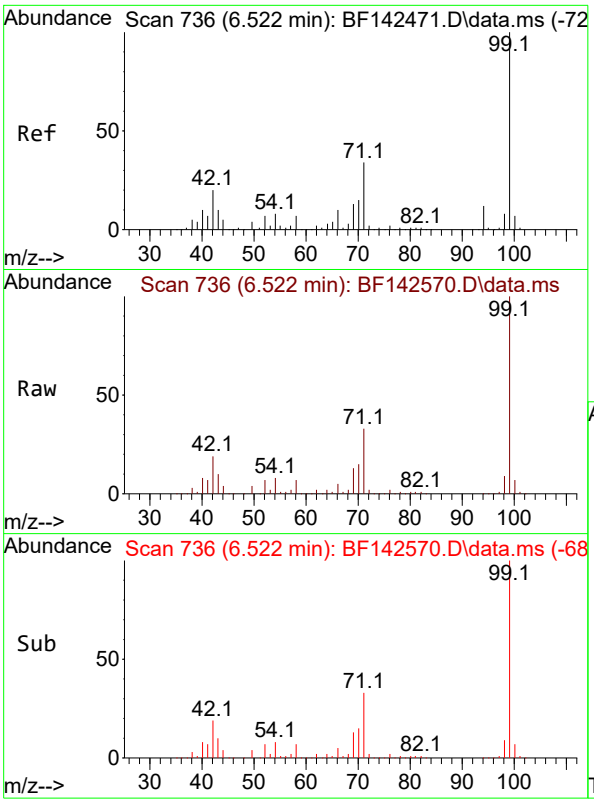


#5
2-Fluorophenol
Concen: 107.771 ng
RT: 5.516 min Scan# 565
Delta R.T. 0.000 min
Lab File: BF142570.D
Acq: 30 May 2025 15:21

Tgt Ion:112 Resp: 756406

Ion	Ratio	Lower	Upper
112	100		
64	58.8	47.5	71.3
63	30.7	24.9	37.3



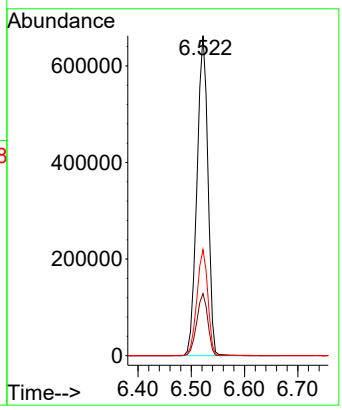


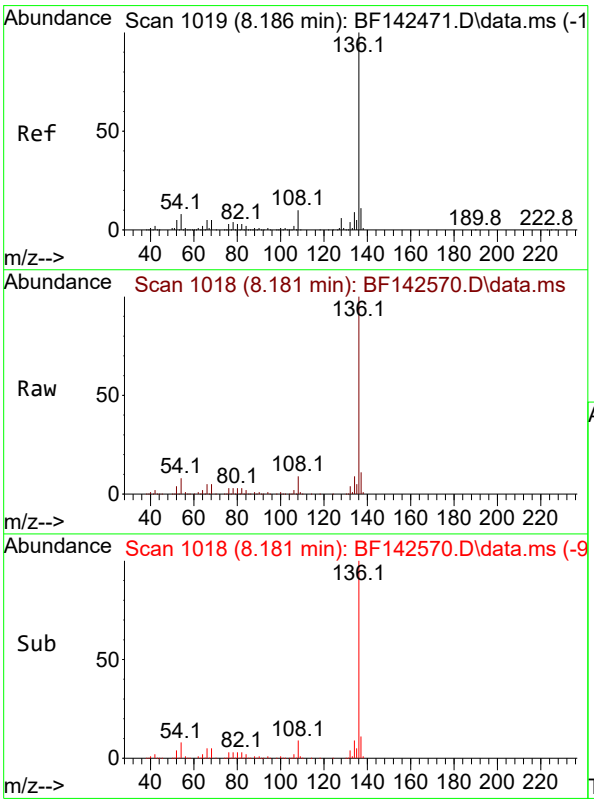
#7
Phenol-d6
Concen: 112.414 ng
RT: 6.522 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF142570.D
Acq: 30 May 2025 15:21

Instrument :
BNA_F
ClientSampleId :
TP-54

Tgt Ion: 99 Resp: 949761

Ion	Ratio	Lower	Upper
99	100		
42	19.4	16.2	24.2
71	33.1	27.3	40.9

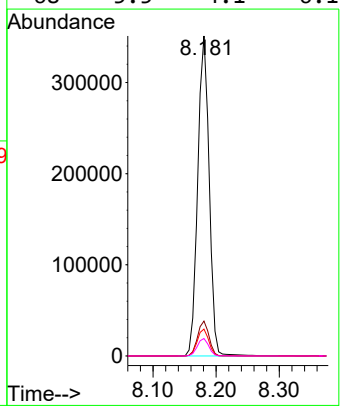


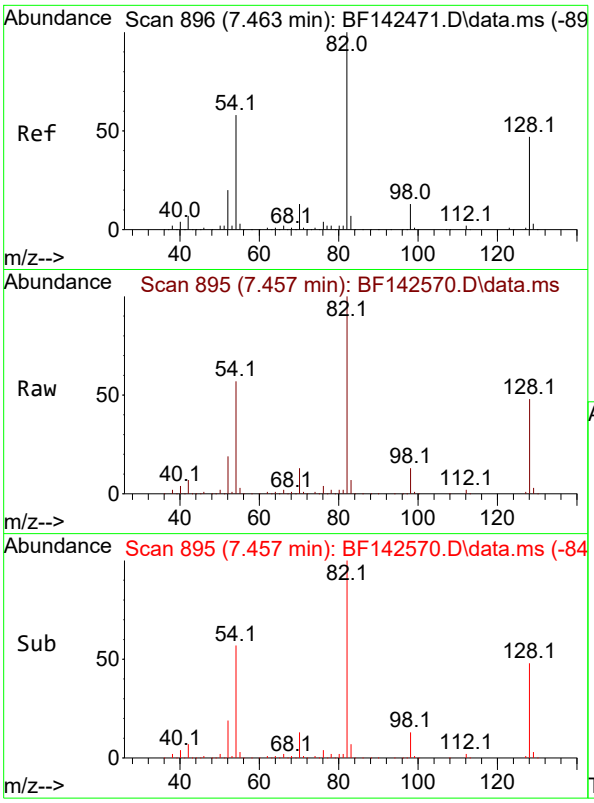


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF142570.D
Acq: 30 May 2025 15:21

Tgt Ion:136 Resp: 441924

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	8.4	6.6	10.0
68	5.5	4.1	6.1



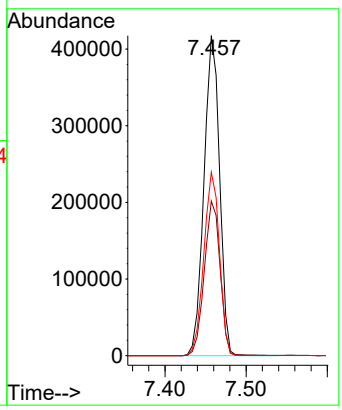


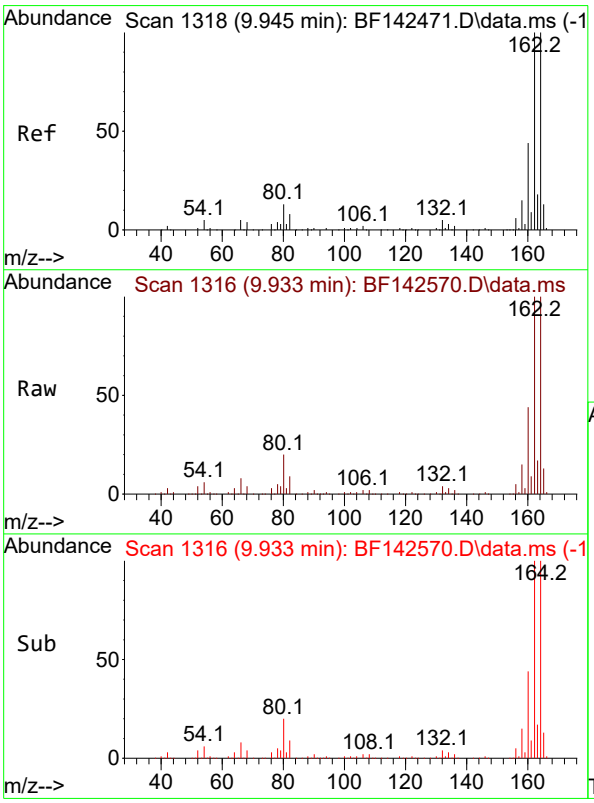
#23
Nitrobenzene-d5
Concen: 68.733 ng
RT: 7.457 min Scan# 8
Delta R.T. -0.018 min
Lab File: BF142570.D
Acq: 30 May 2025 15:21

Instrument :
BNA_F
ClientSampleId :
TP-54

Tgt Ion: 82 Resp: 557041

Ion	Ratio	Lower	Upper
82	100		
128	48.3	37.4	56.2
54	57.4	46.6	70.0

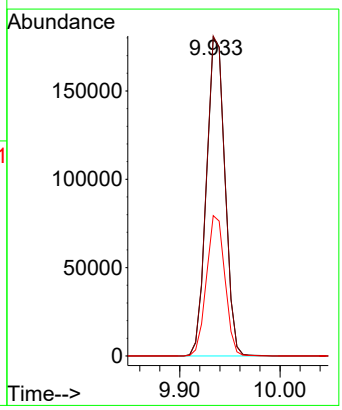


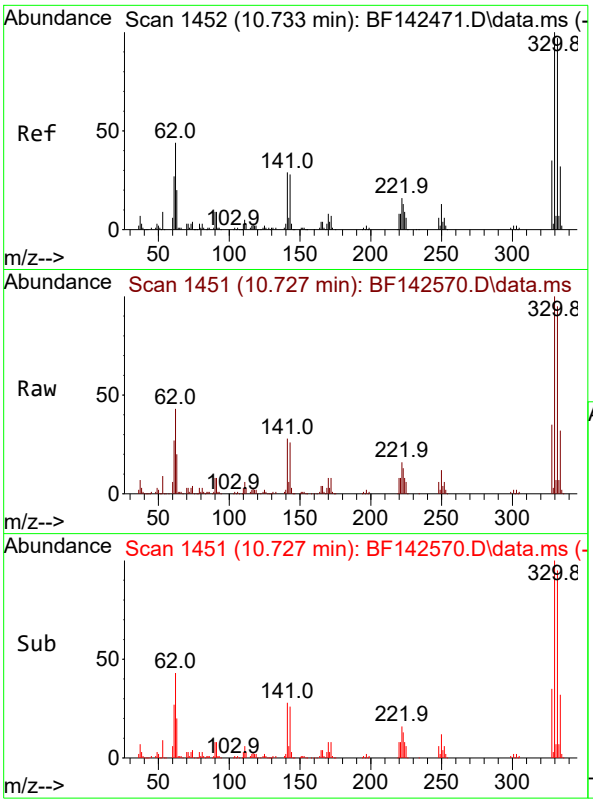


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.933 min Scan# 1316
Delta R.T. -0.012 min
Lab File: BF142570.D
Acq: 30 May 2025 15:21

Tgt Ion:164 Resp: 231484

Ion	Ratio	Lower	Upper
164	100		
162	100.4	80.2	120.4
160	44.1	35.6	53.4



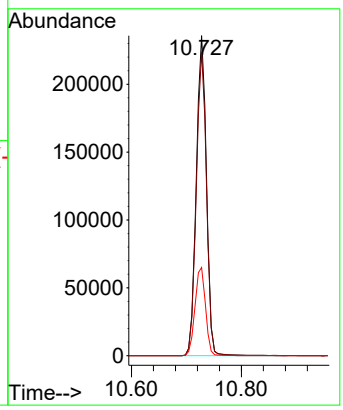


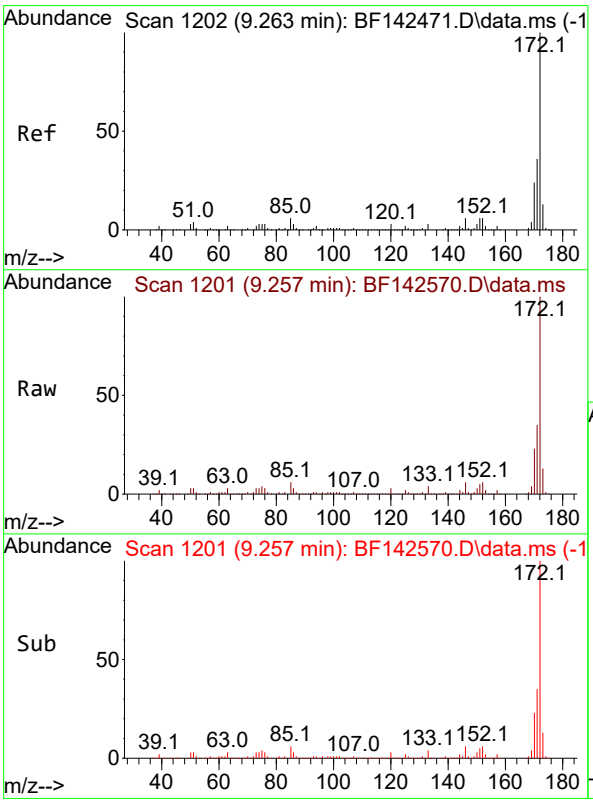
#42
2,4,6-Tribromophenol
Concen: 117.946 ng
RT: 10.727 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF142570.D
Acq: 30 May 2025 15:21

Instrument :
BNA_F
ClientSampleId :
TP-54

Tgt Ion:330 Resp: 303025

Ion	Ratio	Lower	Upper
330	100		
332	94.8	77.6	116.4
141	28.5	24.6	36.8

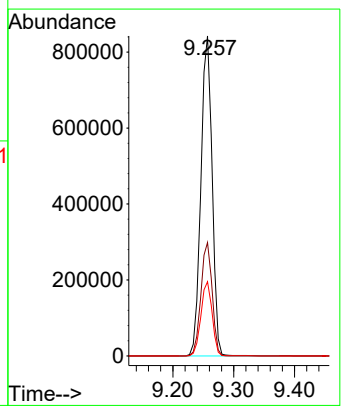


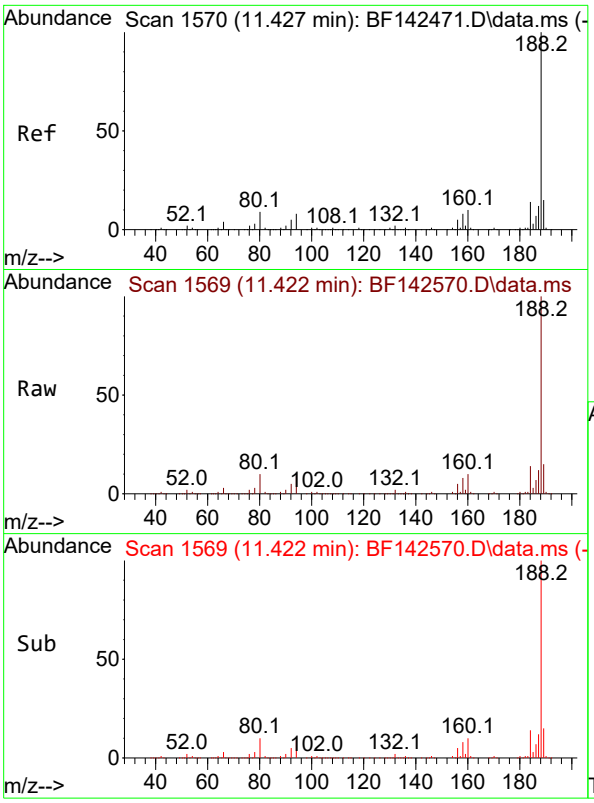


#45
2-Fluorobiphenyl
Concen: 62.665 ng
RT: 9.257 min Scan# 1201
Delta R.T. -0.012 min
Lab File: BF142570.D
Acq: 30 May 2025 15:21

Tgt Ion:172 Resp: 1081028

Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.6	42.8
170	23.2	18.9	28.3



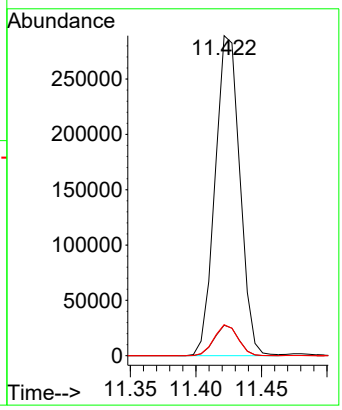


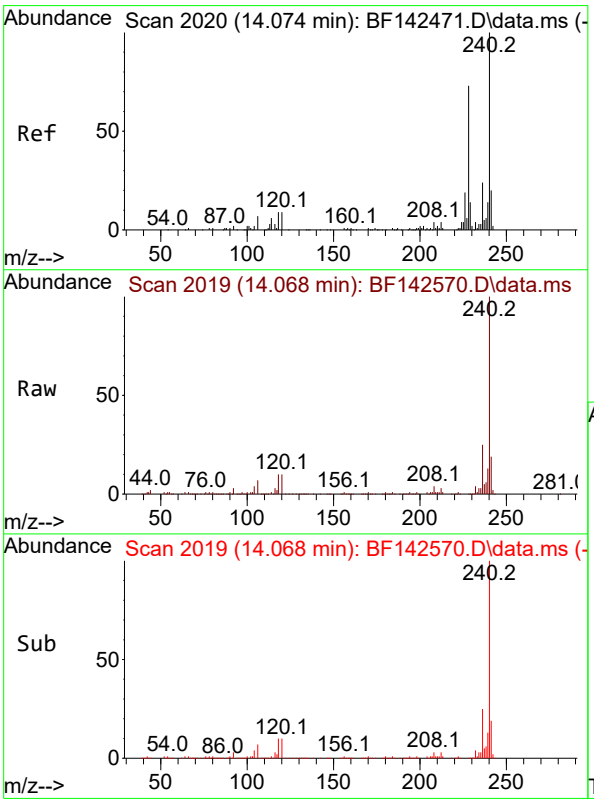
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142570.D
Acq: 30 May 2025 15:21

Instrument :
BNA_F
ClientSampleId :
TP-54

Tgt Ion:188 Resp: 379392

Ion	Ratio	Lower	Upper
188	100		
94	9.5	6.6	10.0
80	9.7	7.4	11.0

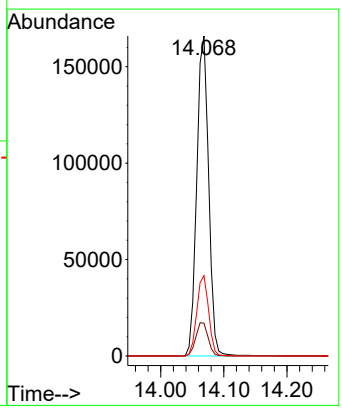


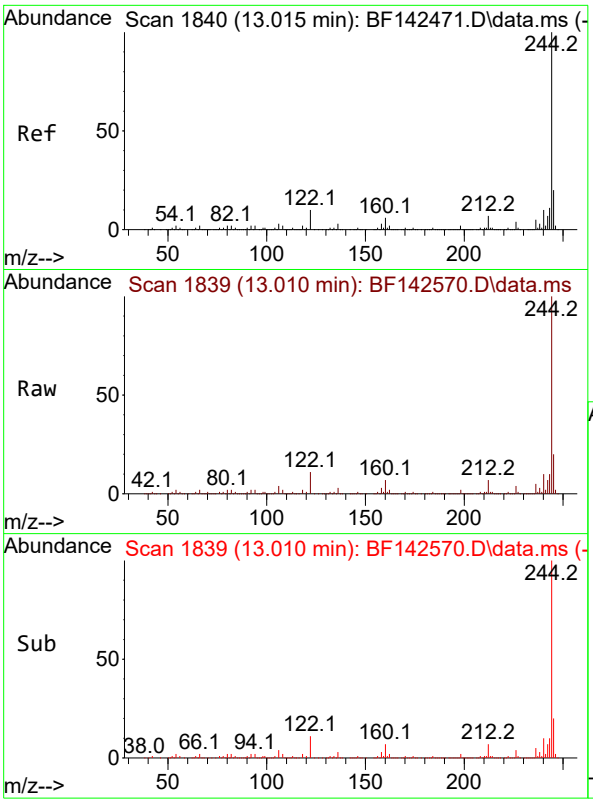


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.068 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF142570.D
Acq: 30 May 2025 15:21

Tgt Ion:240 Resp: 216438

Ion	Ratio	Lower	Upper
240	100		
120	10.3	7.5	11.3
236	25.1	19.6	29.4



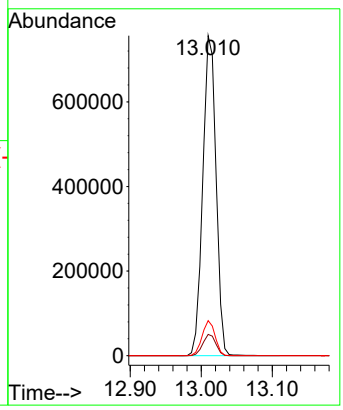


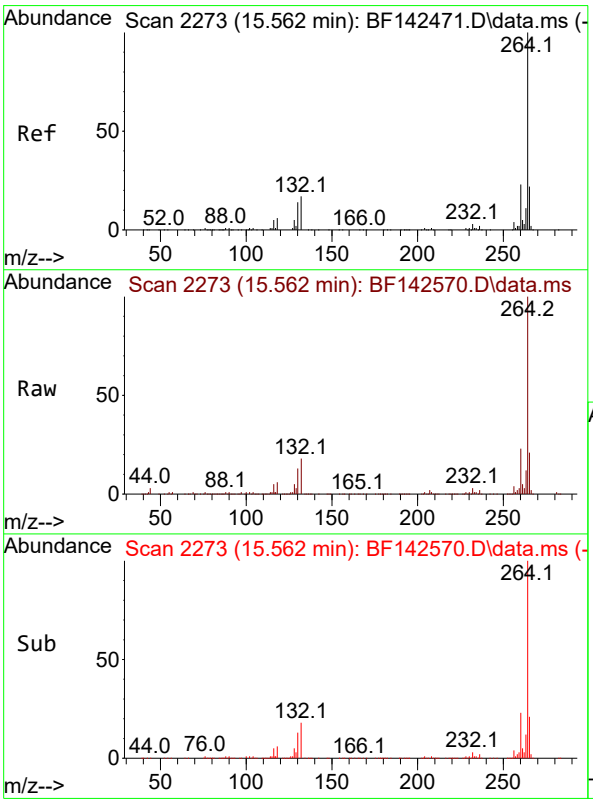
#79
Terphenyl-d14
Concen: 62.254 ng
RT: 13.010 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142570.D
Acq: 30 May 2025 15:21

Instrument :
BNA_F
ClientSampleId :
TP-54

Tgt Ion:244 Resp: 985998

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.3	7.9
122	11.0	8.2	12.2

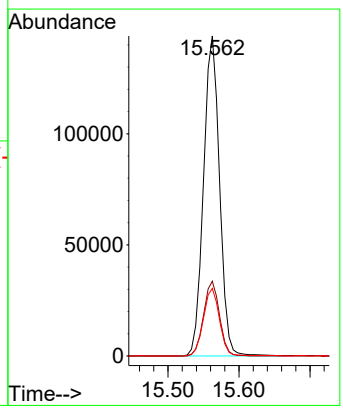




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.562 min Scan# 2273
Delta R.T. -0.006 min
Lab File: BF142570.D
Acq: 30 May 2025 15:21

Tgt Ion:264 Resp: 226398

Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.6	28.0
265	21.1	17.7	26.5



Sample Results: **BF142570.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053025\
Data File : BF142570.D
Acq On : 30 May 2025 15:21
Operator : RC/JU
Sample : Q2150-09
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-54

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-BF052025.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF142570.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.304	13	19	31	rBV2	25126	45043	1.48%	0.212%
2	5.122	489	498	506	rBV	192771	301649	9.94%	1.421%
3	5.516	559	565	570	rBV	1915484	2596113	85.53%	12.233%
4	6.522	729	736	741	rVB	1881074	2685951	88.49%	12.656%
5	6.898	795	800	805	rBV	540480	664947	21.91%	3.133%
6	7.457	889	895	900	rBV	1274566	1700937	56.04%	8.015%
7	7.710	934	938	947	rVB	31521	41540	1.37%	0.196%
8	8.181	1012	1018	1023	rBV	686761	858279	28.28%	4.044%
9	9.257	1195	1201	1206	rBV	2365398	3035149	100.00%	14.301%
10	9.933	1311	1316	1326	rBV	750939	958238	31.57%	4.515%
11	10.651	1433	1438	1445	rBV	246638	303148	9.99%	1.428%
12	10.727	1445	1451	1456	rBV	1630652	2127815	70.11%	10.026%
13	11.422	1564	1569	1575	rBV	693882	905627	29.84%	4.267%
14	11.951	1653	1659	1679	rBV	391813	626761	20.65%	2.953%
15	12.651	1772	1778	1786	rBV6	12813	34081	1.12%	0.161%
16	12.733	1787	1792	1805	rVV	73858	127848	4.21%	0.602%
17	13.010	1834	1839	1844	rBV	2001553	2583432	85.12%	12.173%
18	13.904	1986	1991	2007	rBV	133859	260305	8.58%	1.227%
19	14.068	2011	2019	2028	rVV	434334	580839	19.14%	2.737%
20	14.533	2094	2098	2111	rBV3	20345	48772	1.61%	0.230%
21	14.921	2160	2164	2170	rVB	60418	83775	2.76%	0.395%
22	15.562	2267	2273	2282	rBV	380488	601105	19.80%	2.832%
23	16.098	2359	2364	2372	rBV5	15604	51647	1.70%	0.243%

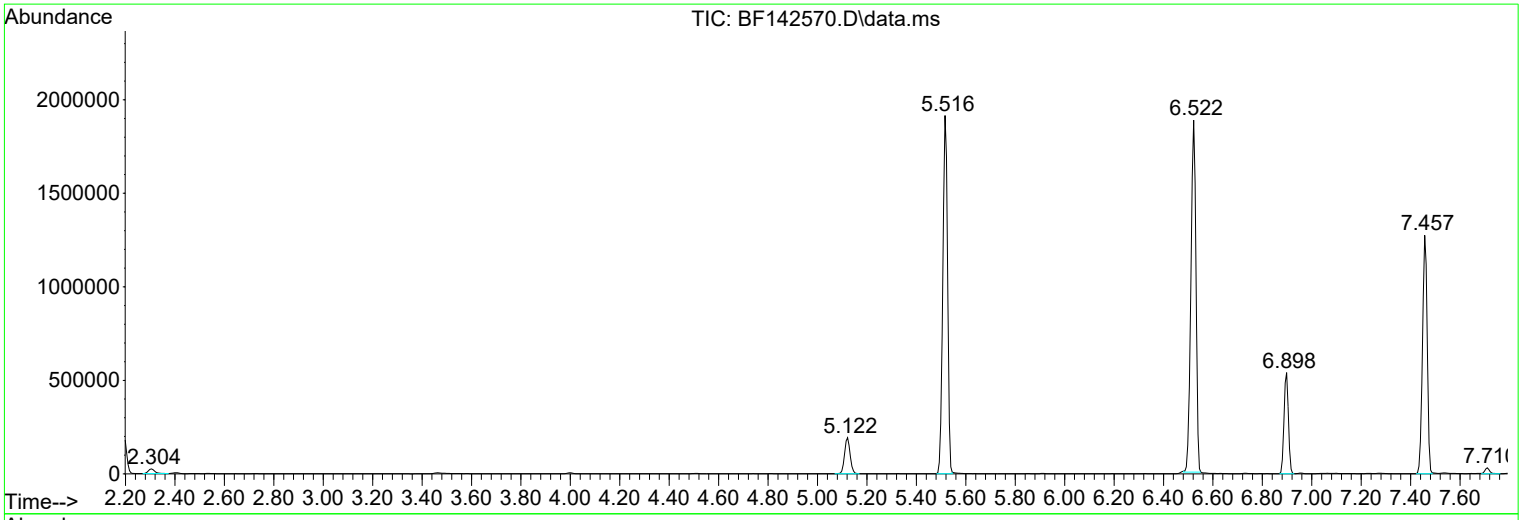
Sum of corrected areas: 21223001

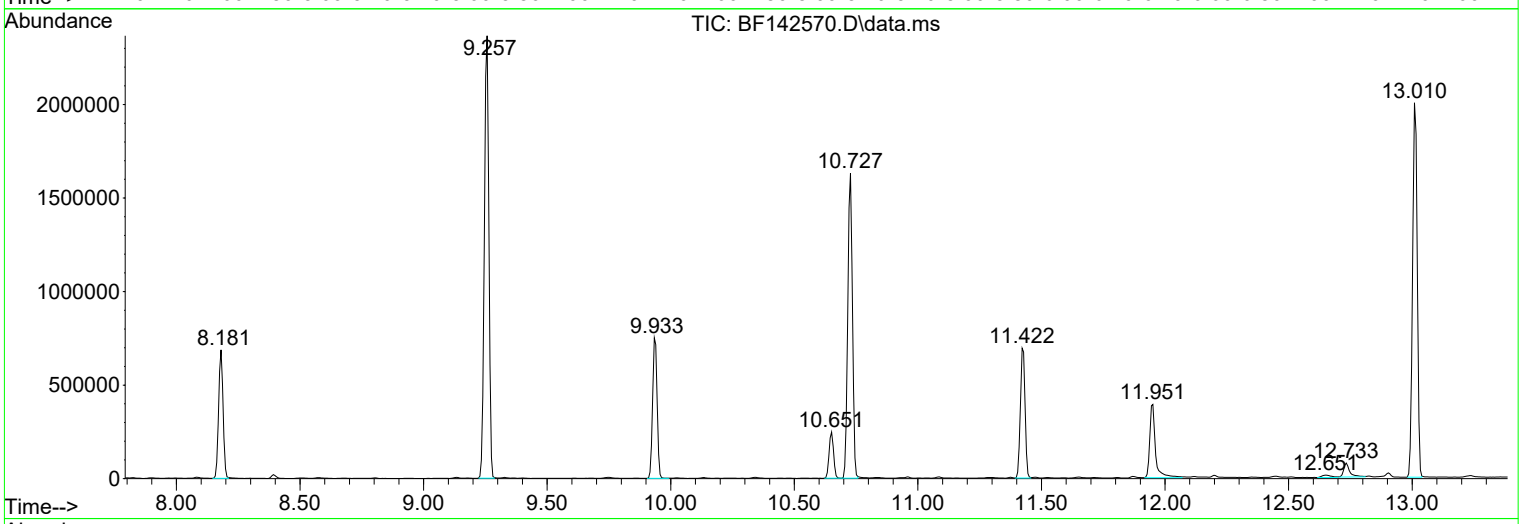
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053025\
Data File : BF142570.D
Acq On : 30 May 2025 15:21
Operator : RC/JU
Sample : Q2150-09
Misc :
ALS Vial : 6 Sample Multiplier: 1

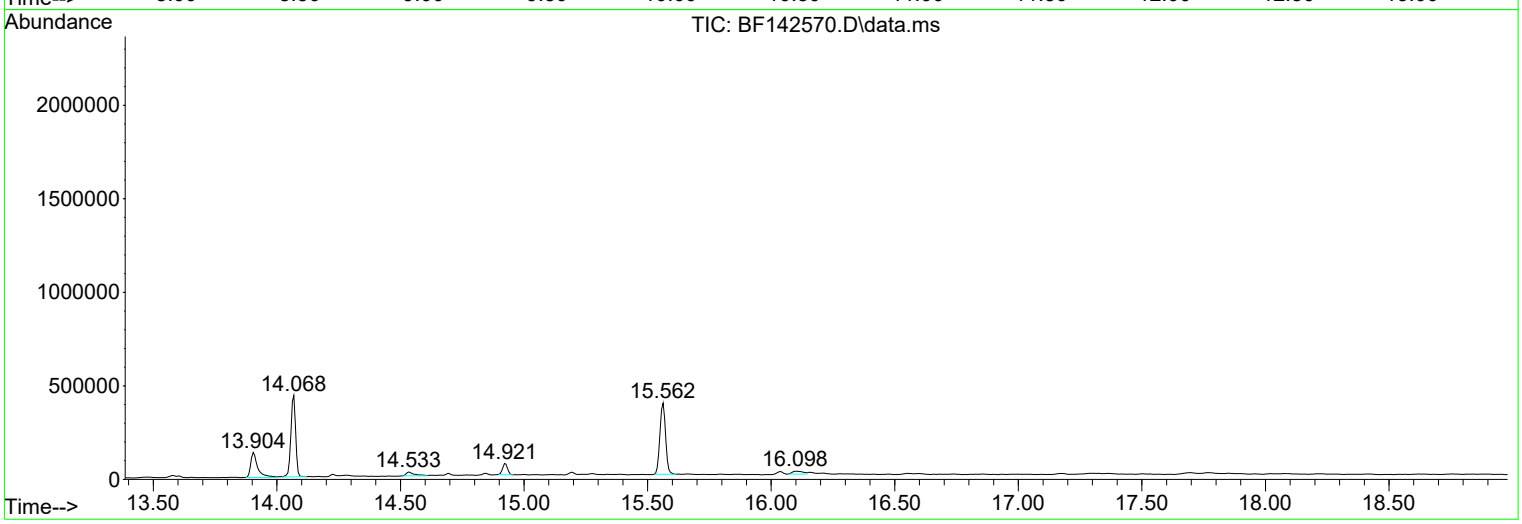
Instrument :
BNA_F
ClientSampleId :
TP-54

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.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\BF053025\
Data File : BF142570.D
Acq On : 30 May 2025 15:21
Operator : RC/JU
Sample : Q2150-09
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-54

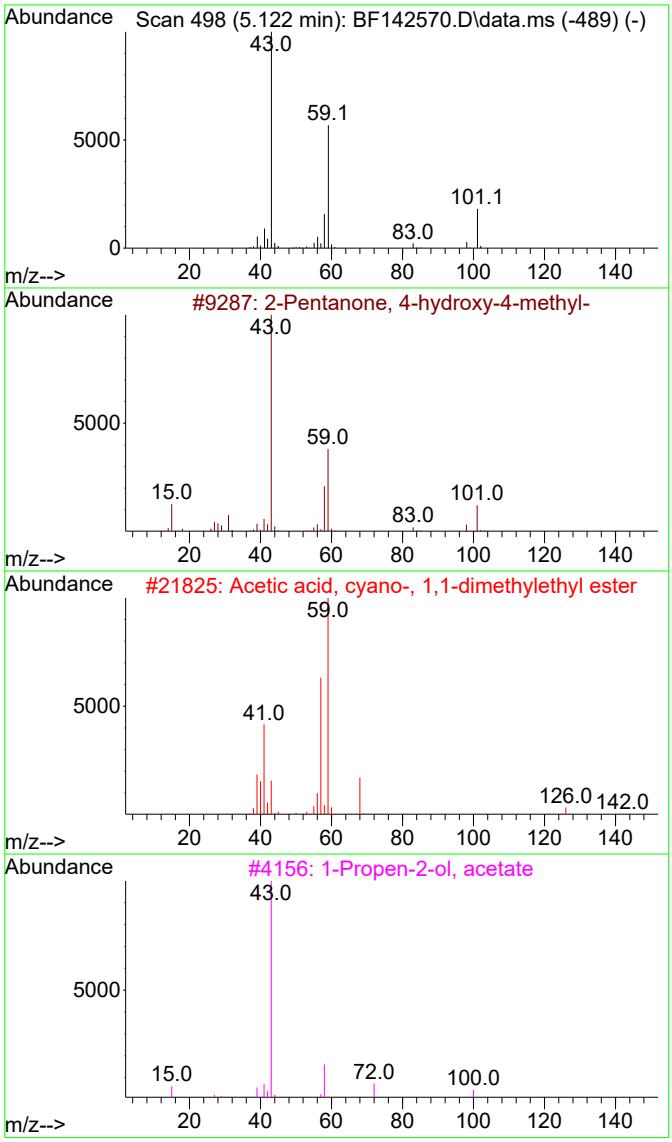
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

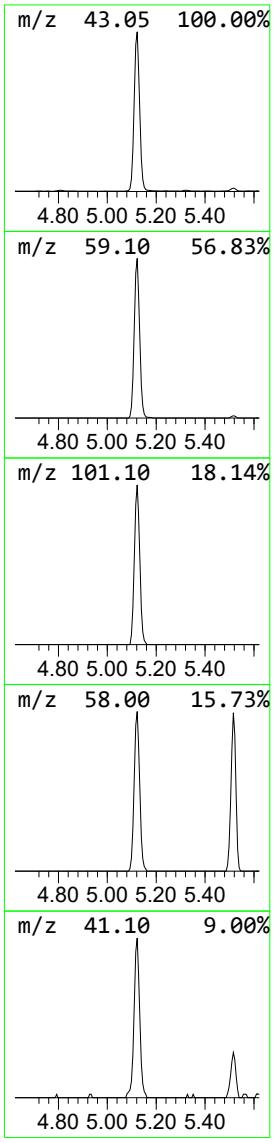
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.122	9.07 ng	301649	1,4-Dichlorobenzene-d4	6.898

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
3	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	12
4	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9
5	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053025\
Data File : BF142570.D
Acq On : 30 May 2025 15:21
Operator : RC/JU
Sample : Q2150-09
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-54

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

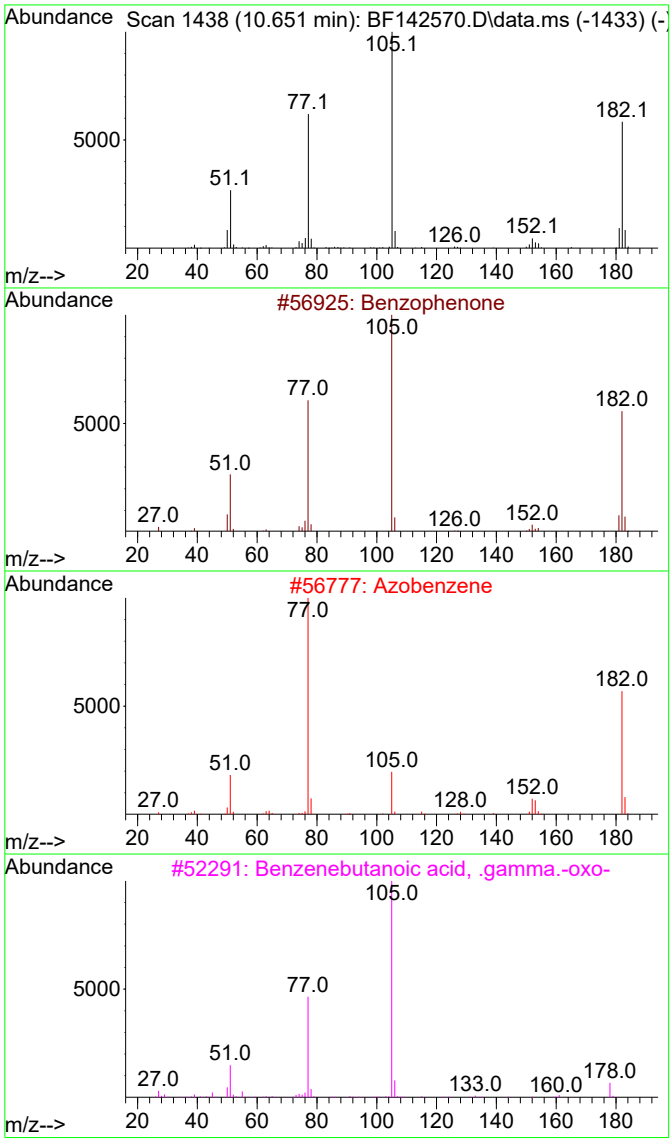
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

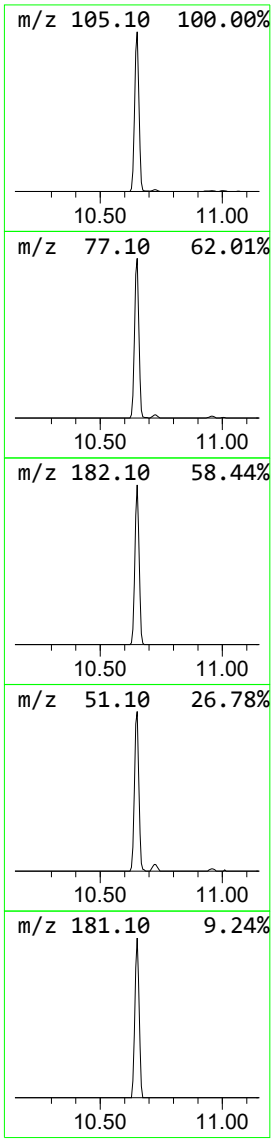
****

Peak Number 2 Benzophenone Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.651	6.33 ng	303148	Acenaphthene-d10	9.933

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	Azobenzene	182	C12H10N2	000103-33-3	64
3	Benzenebutanoic acid, .gamma.-oxo-	178	C10H10O3	002051-95-8	47
4	Vinyl benzoate	148	C9H8O2	000769-78-8	47
5	1-Propanone, 3-chloro-1-phenyl-	168	C9H9ClO	000936-59-4	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053025\
Data File : BF142570.D
Acq On : 30 May 2025 15:21
Operator : RC/JU
Sample : Q2150-09
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-54

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

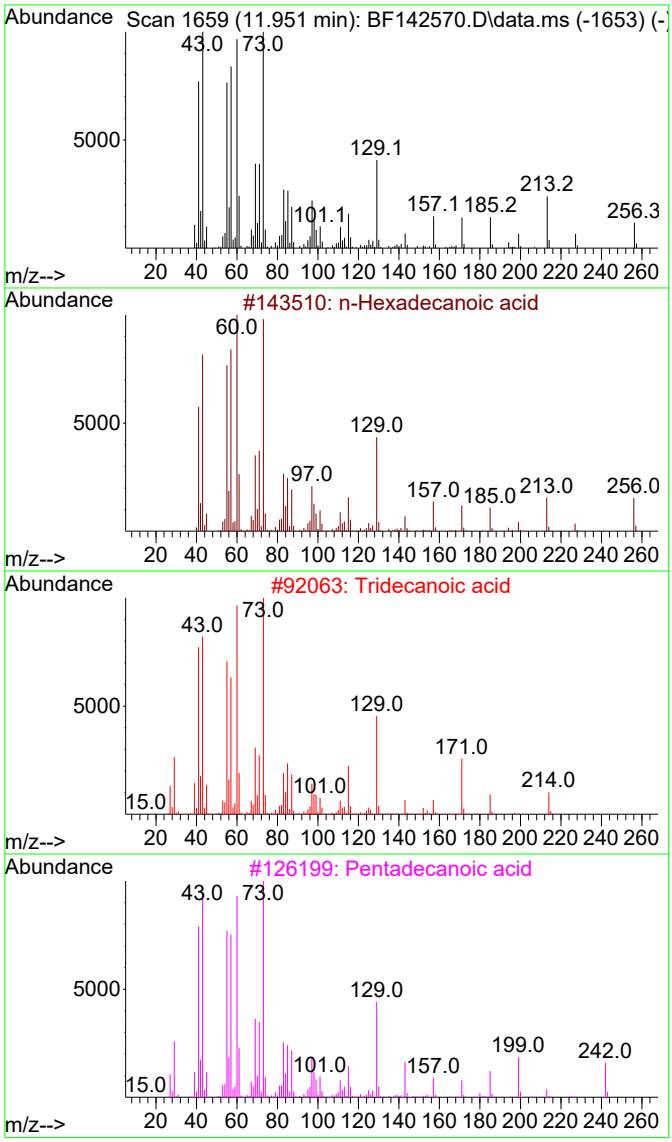
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

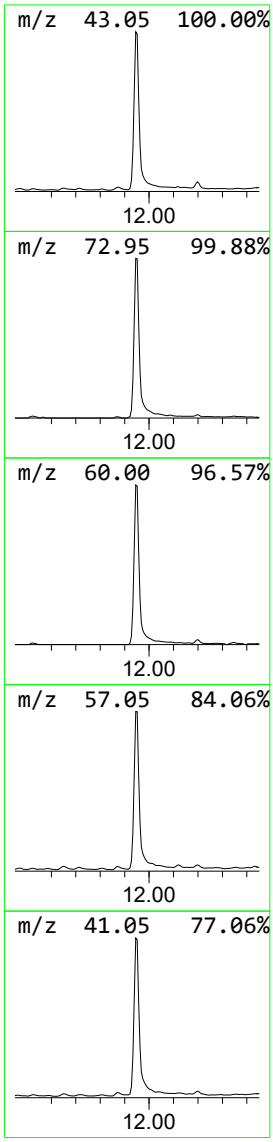
****

Peak Number 3 n-Hexadecanoic acid Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.951	13.84 ng	626761	Phenanthrene-d10	11.422

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	93
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	87
5	n-Decanoic acid	172	C10H20O2	000334-48-5	76





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053025\
Data File : BF142570.D
Acq On : 30 May 2025 15:21
Operator : RC/JU
Sample : Q2150-09
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-54

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

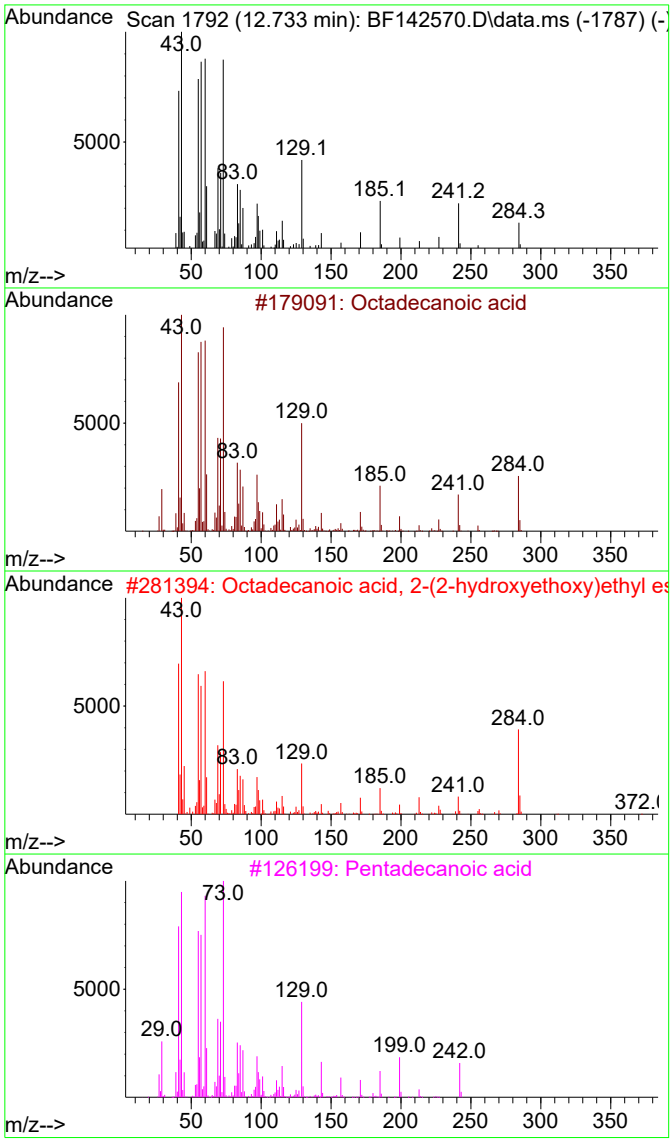
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

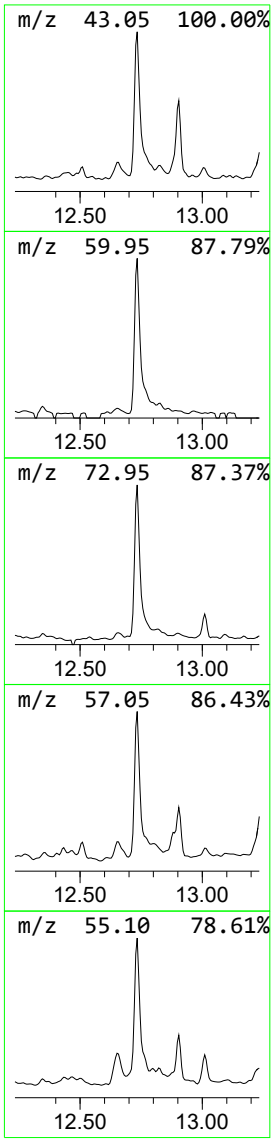
****

Peak Number 4 Octadecanoic acid Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.733	2.82 ng	127848	Phenanthrene-d10	11.422

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2	Octadecanoic acid, 2-(2-hydroxye...	372	C22H44O4	000106-11-6	87
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	83
4	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	74
5	Tetradecanoic acid	228	C14H28O2	000544-63-8	74





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053025\
Data File : BF142570.D
Acq On : 30 May 2025 15:21
Operator : RC/JU
Sample : Q2150-09
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-54

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

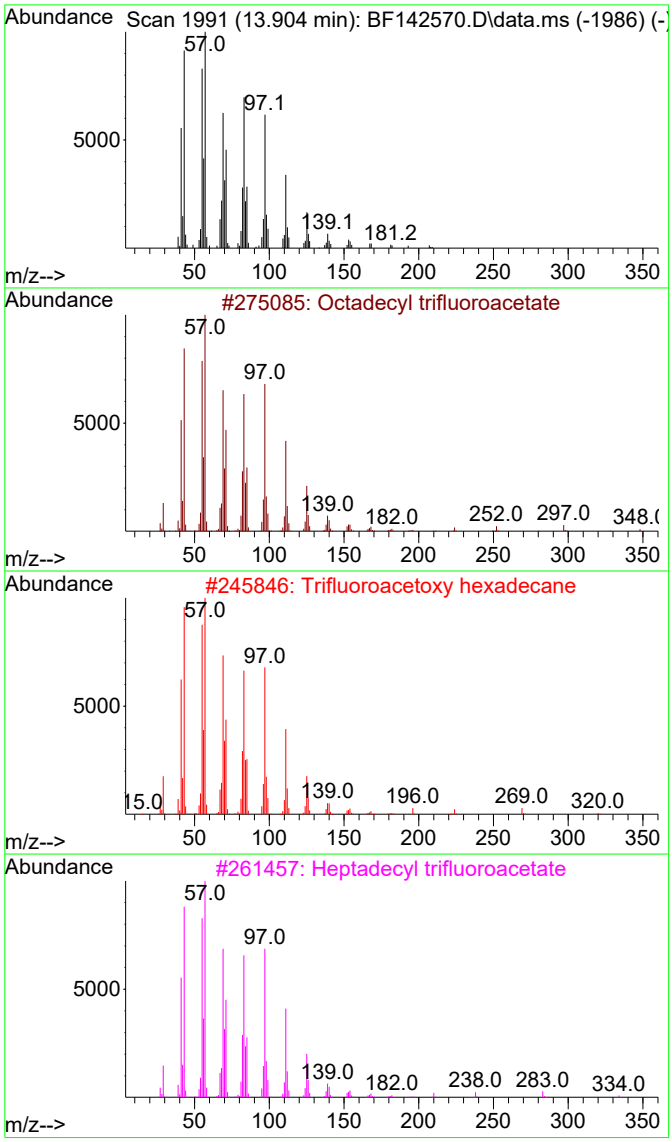
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

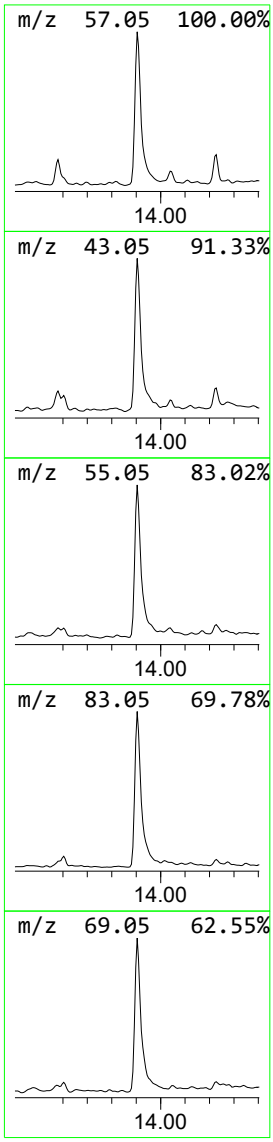
****

Peak Number 5 Octadecyl trifluoroacetate Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.904	8.96 ng	260305	Chrysene-d12	14.068

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecyl trifluoroacetate	366	C20H37F3O2	079392-43-1	94
2	Trifluoroacetoxy hexadecane	338	C18H33F3O2	006222-03-3	94
3	Heptadecyl trifluoroacetate	352	C19H35F3O2	1010351-87-0	93
4	1-Heneicosanol	312	C21H44O	015594-90-8	93
5	n-Tetracosanol-1	354	C24H50O	000506-51-4	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053025\
Data File : BF142570.D
Acq On : 30 May 2025 15:21
Operator : RC/JU
Sample : Q2150-09
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-54

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

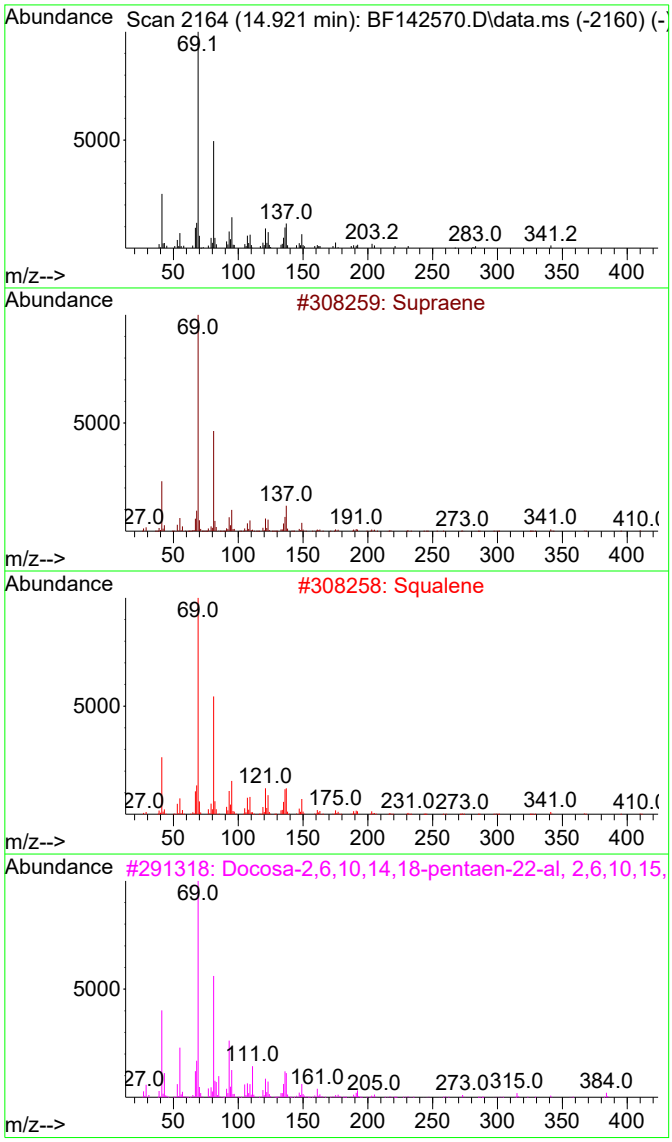
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

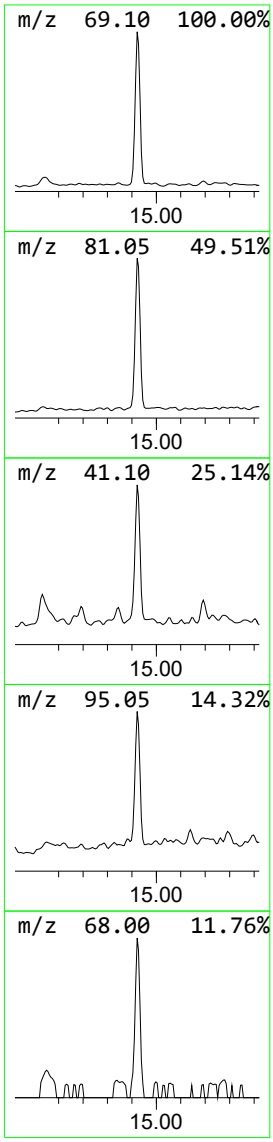
****

Peak Number 6 Supraene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.921	2.79 ng	83775	Perylene-d12	15.563

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Supraene	410	C30H50	007683-64-9	91
2	Squalene	410	C30H50	000111-02-4	91
3	Docosa-2,6,10,14,18-pentaen-22-a...	384	C27H44O	1000163-04-7	90
4	1,5,9-Undecatriene, 2,6,10-trime...	192	C14H24	062951-96-6	87
5	4,9,13,17-Tetramethyl-4,8,12,16-...	316	C22H36O	056882-09-8	83





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053025\
Data File : BF142570.D
Acq On : 30 May 2025 15:21
Operator : RC/JU
Sample : Q2150-09
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-54

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.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-...	5.122	9.1	ng	301649	1	6.898	664947	20.0
Benzophenone	10.651	6.3	ng	303148	3	9.933	958238	20.0
n-Hexadecanoic ...	11.951	13.8	ng	626761	4	11.422	905627	20.0
Octadecanoic acid	12.733	2.8	ng	127848	4	11.422	905627	20.0
Octadecyl trifl...	13.904	9.0	ng	260305	5	14.068	580839	20.0
Supraene	14.921	2.8	ng	83775	6	15.563	601105	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053025\
Data File : BF142582.D
Acq On : 30 May 2025 21:13
Operator : RC/JU
Sample : Q2150-10
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-53

Quant Time: May 30 22:29:46 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration

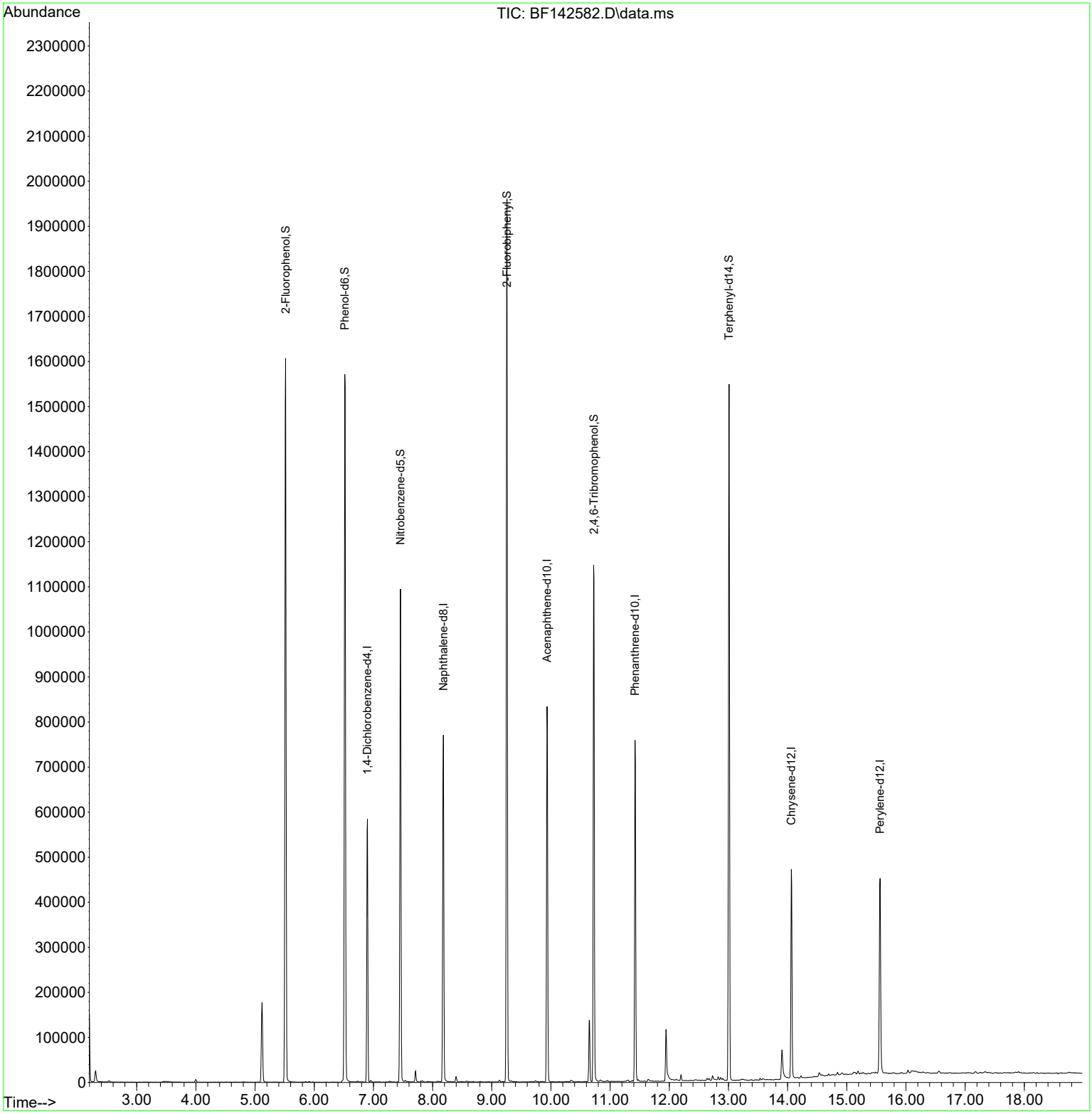
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	130201	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	494621	20.000	ng	0.00
39) Acenaphthene-d10	9.933	164	254536	20.000	ng	-0.01
64) Phenanthrene-d10	11.422	188	398630	20.000	ng	-0.01
76) Chrysene-d12	14.063	240	231944	20.000	ng	#-0.01
86) Perylene-d12	15.562	264	262922	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	638105	82.569	ng	0.00
7) Phenol-d6	6.516	99	781521	84.008	ng	-0.02
23) Nitrobenzene-d5	7.457	82	467367	51.524	ng	-0.02
42) 2,4,6-Tribromophenol	10.727	330	206735	73.180	ng	-0.01
45) 2-Fluorobiphenyl	9.257	172	902888	47.598	ng	-0.01
79) Terphenyl-d14	13.010	244	744692	43.875	ng	0.00
Target Compounds						Qvalue

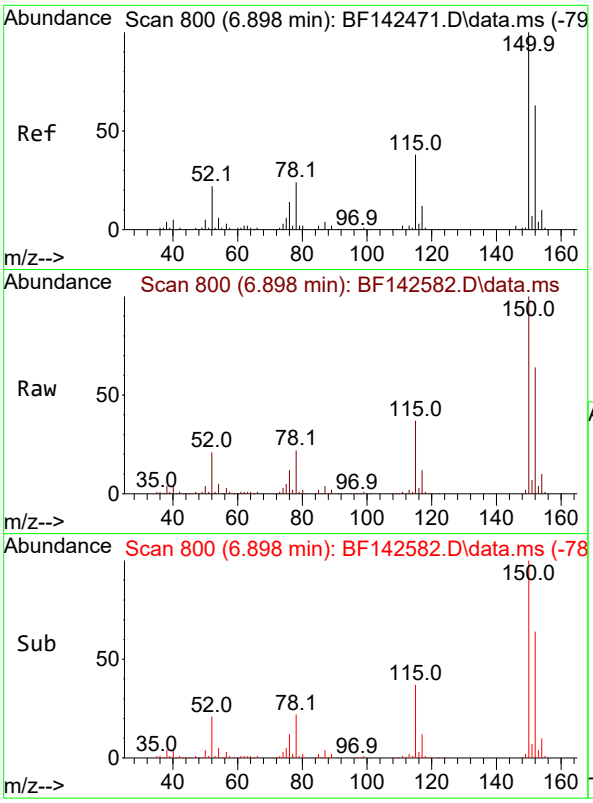
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053025\
Data File : BF142582.D
Acq On : 30 May 2025 21:13
Operator : RC/JU
Sample : Q2150-10
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-53

Quant Time: May 30 22:29:46 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration



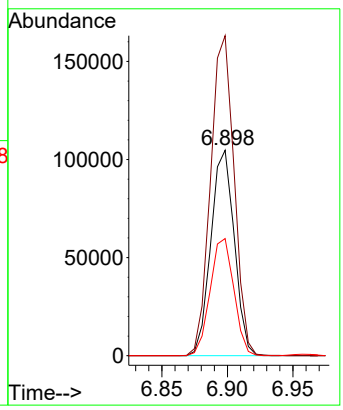


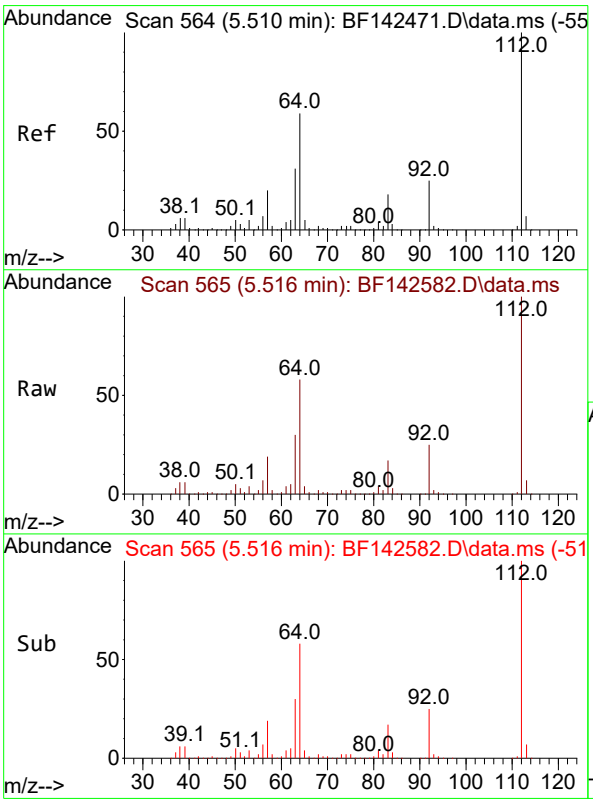
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142582.D
Acq: 30 May 2025 21:13

Instrument :
BNA_F
ClientSampleId :
TP-53

Tgt Ion:152 Resp: 130201

Ion	Ratio	Lower	Upper
152	100		
150	155.7	128.2	192.4
115	57.0	48.3	72.5

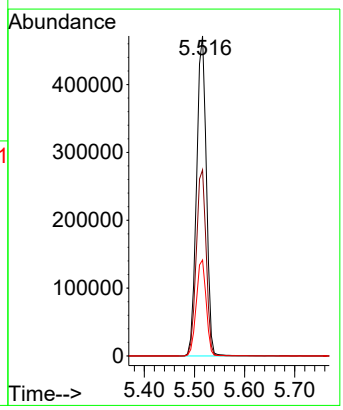


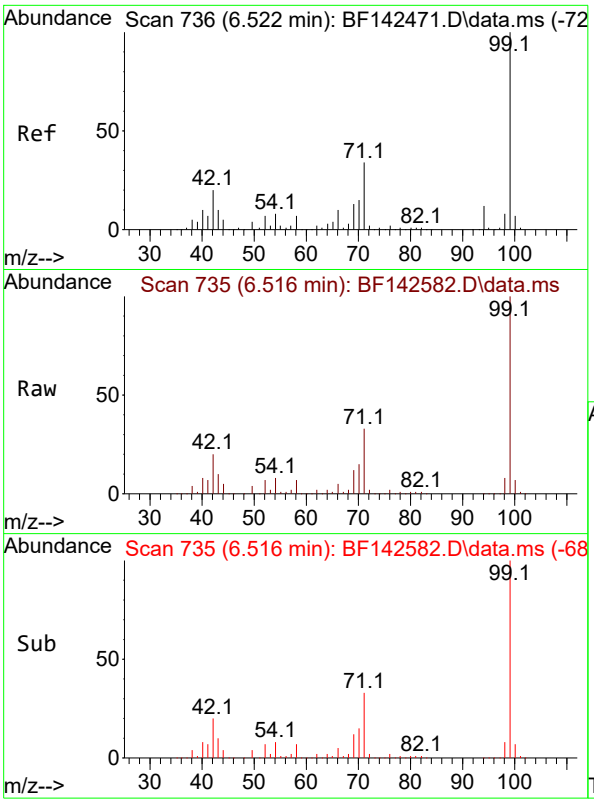


#5
2-Fluorophenol
Concen: 82.569 ng
RT: 5.516 min Scan# 565
Delta R.T. 0.000 min
Lab File: BF142582.D
Acq: 30 May 2025 21:13

Tgt Ion:112 Resp: 638105

Ion	Ratio	Lower	Upper
112	100		
64	58.1	47.5	71.3
63	30.0	24.9	37.3



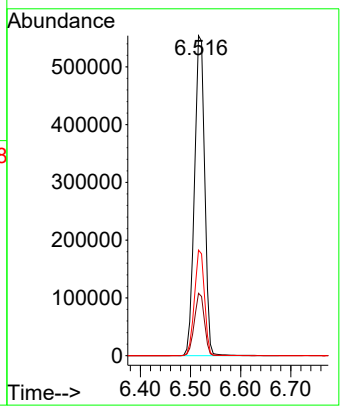


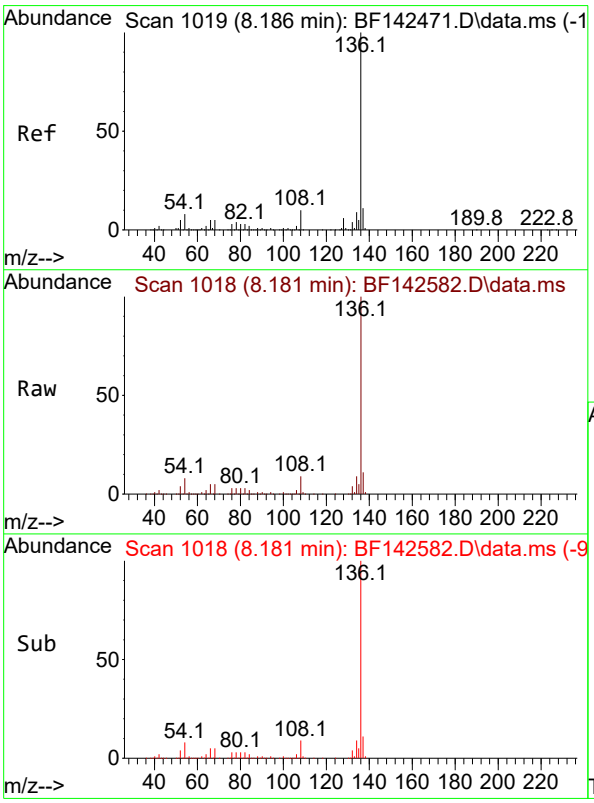
#7
Phenol-d6
Concen: 84.008 ng
RT: 6.516 min Scan# 7
Delta R.T. -0.018 min
Lab File: BF142582.D
Acq: 30 May 2025 21:13

Instrument :
BNA_F
ClientSampleId :
TP-53

Tgt Ion: 99 Resp: 781521

Ion	Ratio	Lower	Upper
99	100		
42	19.5	16.2	24.2
71	33.0	27.3	40.9

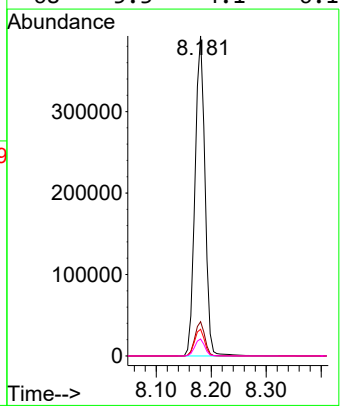


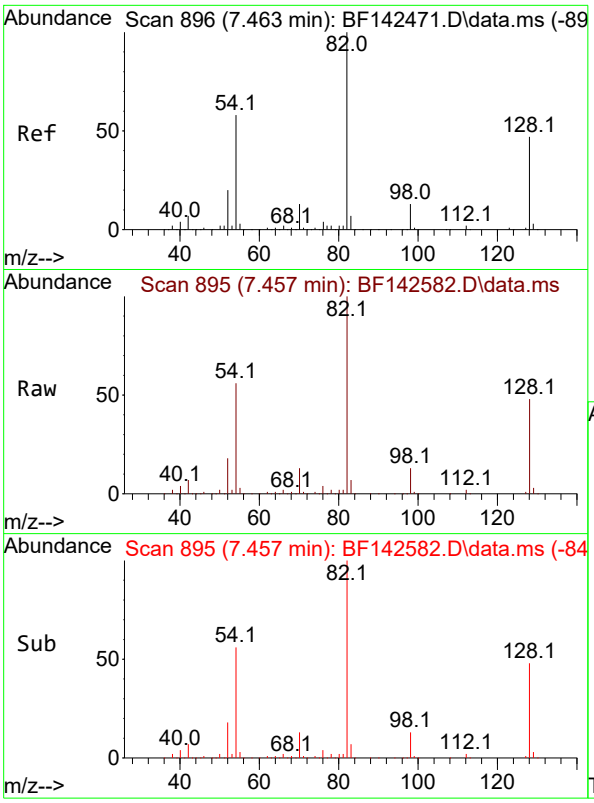


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF142582.D
Acq: 30 May 2025 21:13

Tgt Ion:136 Resp: 494621

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.6	13.0
54	8.4	6.6	10.0
68	5.3	4.1	6.1



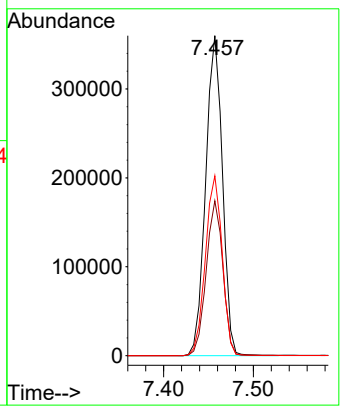


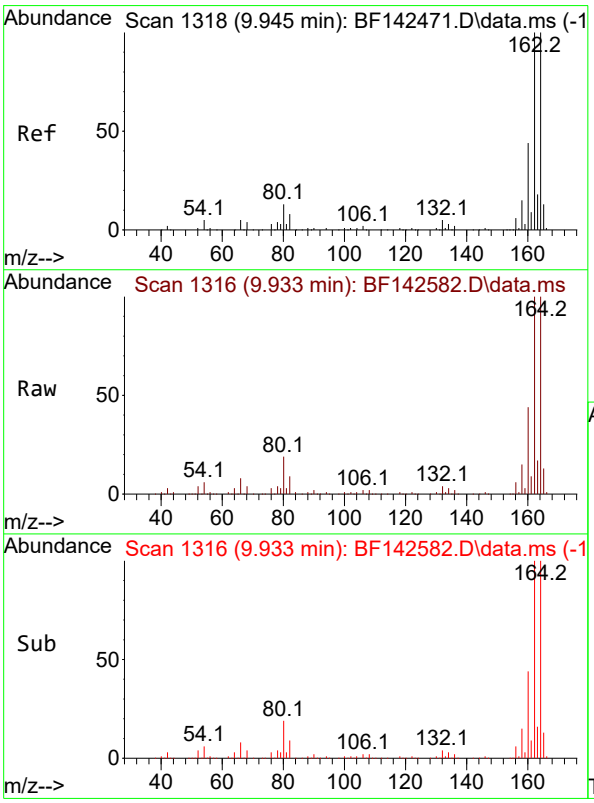
#23
Nitrobenzene-d5
Concen: 51.524 ng
RT: 7.457 min Scan# 8
Delta R.T. -0.018 min
Lab File: BF142582.D
Acq: 30 May 2025 21:13

Instrument :
BNA_F
ClientSampleId :
TP-53

Tgt Ion: 82 Resp: 467367

Ion	Ratio	Lower	Upper
82	100		
128	48.4	37.4	56.2
54	56.2	46.6	70.0

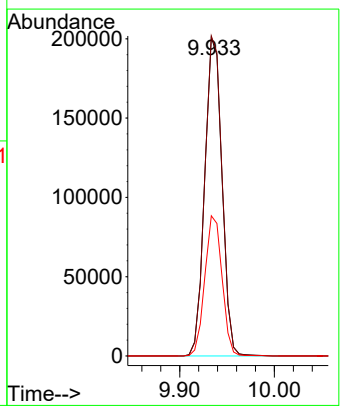


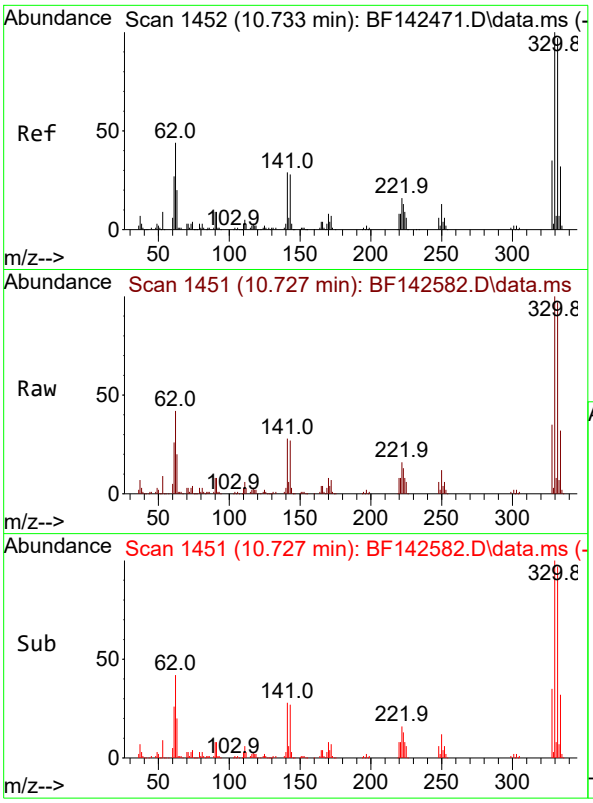


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.933 min Scan# 1316
Delta R.T. -0.012 min
Lab File: BF142582.D
Acq: 30 May 2025 21:13

Tgt Ion:164 Resp: 254536

Ion	Ratio	Lower	Upper
164	100		
162	100.4	80.2	120.4
160	44.0	35.6	53.4



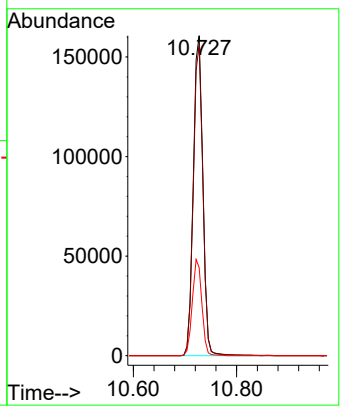


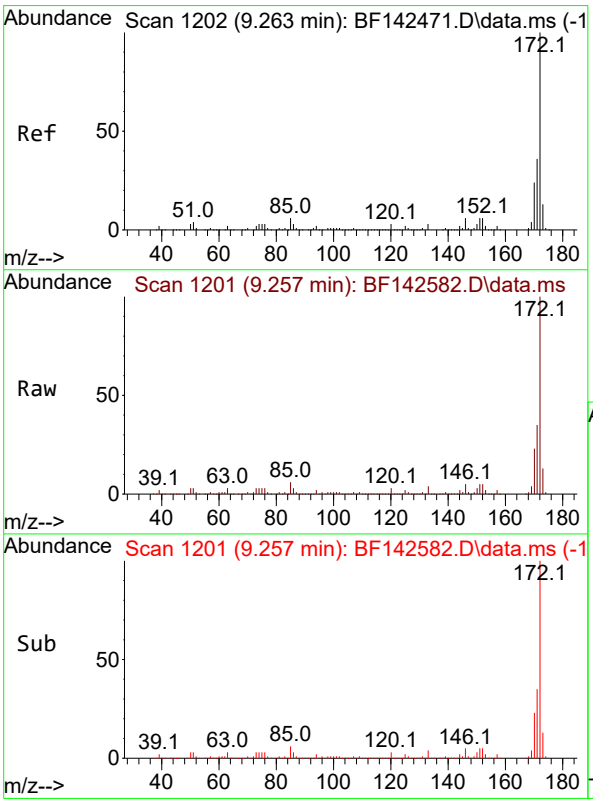
#42
2,4,6-Tribromophenol
Concen: 73.180 ng
RT: 10.727 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF142582.D
Acq: 30 May 2025 21:13

Instrument :
BNA_F
ClientSampleId :
TP-53

Tgt Ion:330 Resp: 206735

Ion	Ratio	Lower	Upper
330	100		
332	96.7	77.6	116.4
141	29.9	24.6	36.8

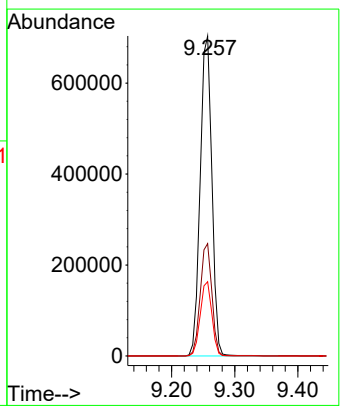


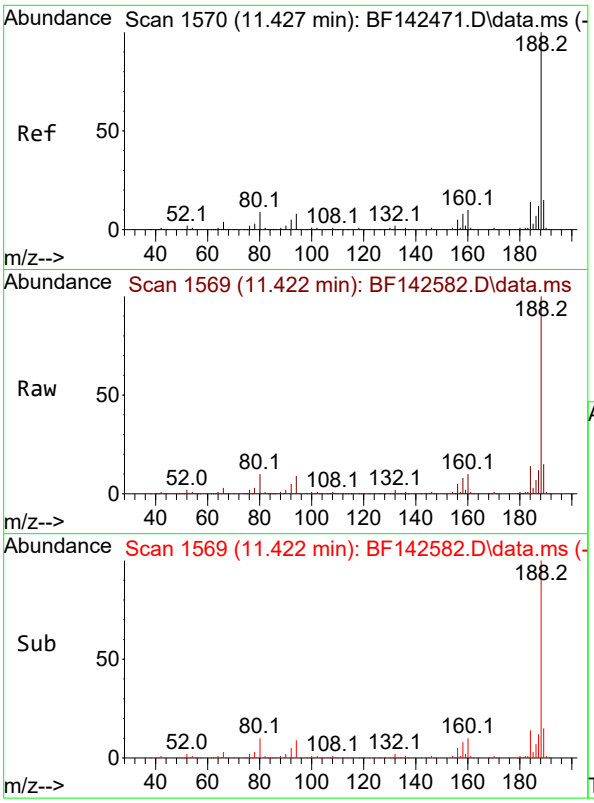


#45
2-Fluorobiphenyl
Concen: 47.598 ng
RT: 9.257 min Scan# 1201
Delta R.T. -0.012 min
Lab File: BF142582.D
Acq: 30 May 2025 21:13

Tgt Ion:172 Resp: 902888

Ion	Ratio	Lower	Upper
172	100		
171	35.1	28.6	42.8
170	23.2	18.9	28.3



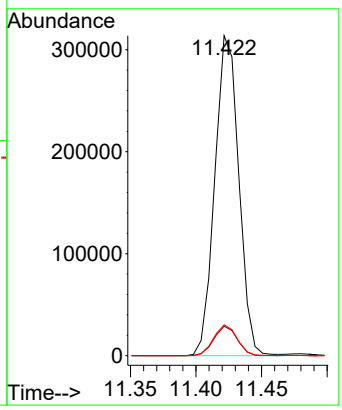


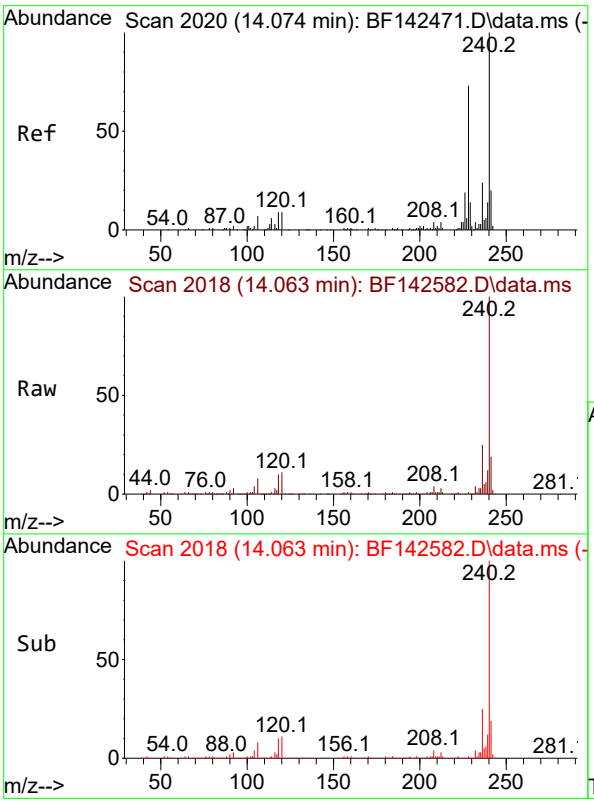
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142582.D
Acq: 30 May 2025 21:13

Instrument :
BNA_F
ClientSampleId :
TP-53

Tgt Ion:188 Resp: 398630

Ion	Ratio	Lower	Upper
188	100		
94	9.2	6.6	10.0
80	9.6	7.4	11.0

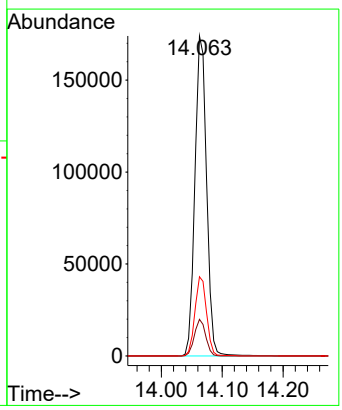


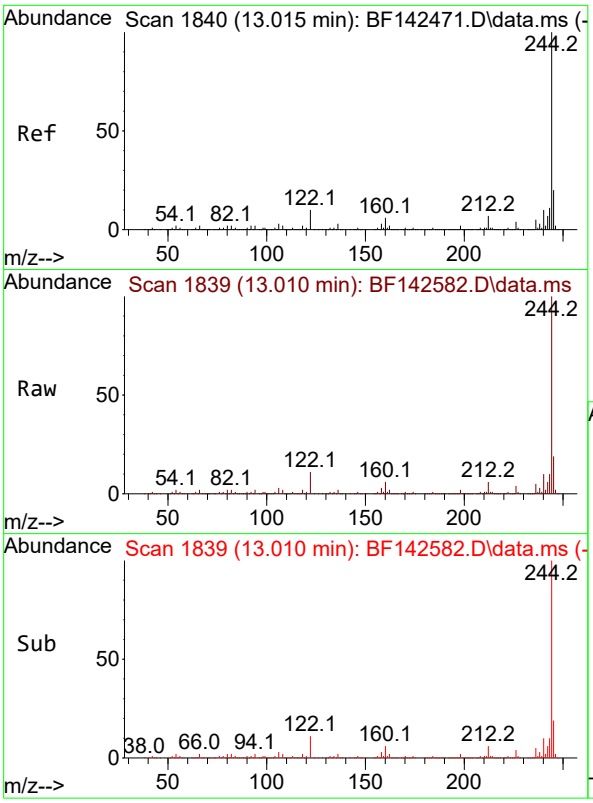


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.012 min
Lab File: BF142582.D
Acq: 30 May 2025 21:13

Tgt Ion:240 Resp: 231944

Ion	Ratio	Lower	Upper
240	100		
120	11.4	7.5	11.3#
236	24.8	19.6	29.4



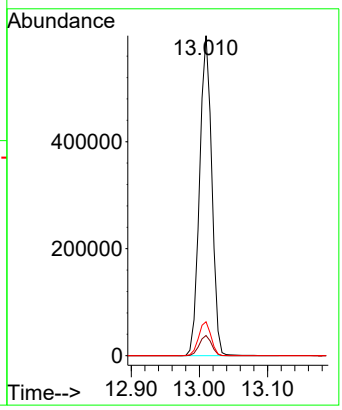


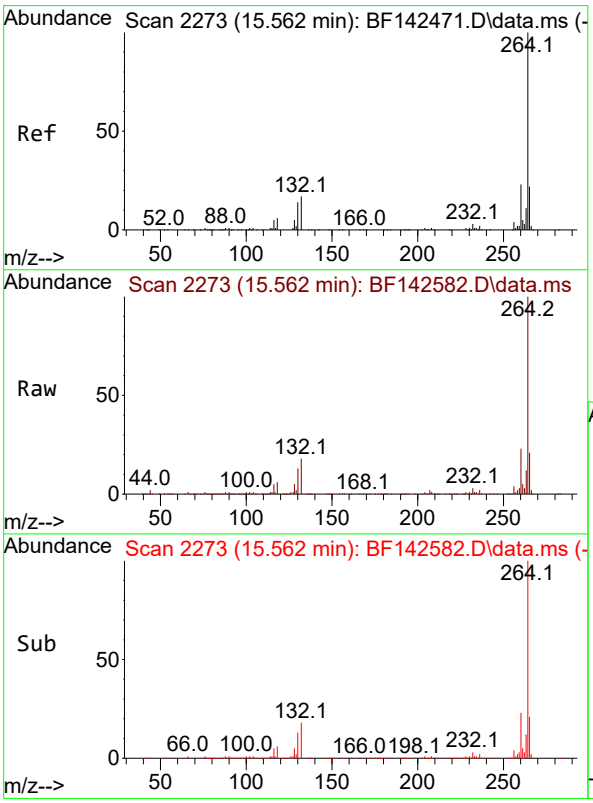
#79
Terphenyl-d14
Concen: 43.875 ng
RT: 13.010 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142582.D
Acq: 30 May 2025 21:13

Instrument :
BNA_F
ClientSampleId :
TP-53

Tgt Ion:244 Resp: 744692

Ion	Ratio	Lower	Upper
244	100		
212	6.3	5.3	7.9
122	10.6	8.2	12.2

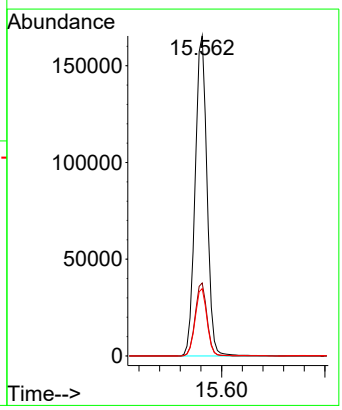




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.562 min Scan# 2273
Delta R.T. -0.006 min
Lab File: BF142582.D
Acq: 30 May 2025 21:13

Tgt Ion:264 Resp: 262922

Ion	Ratio	Lower	Upper
264	100		
260	22.8	18.6	28.0
265	21.1	17.7	26.5



Sample Results: **BF142582.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053025\
Data File : BF142582.D
Acq On : 30 May 2025 21:13
Operator : RC/JU
Sample : Q2150-10
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-53

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-BF052025.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF142582.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.304	13	19	32	rVB2	23795	41387	1.64%	0.235%
2	5.116	490	497	509	rBV	176576	256339	10.17%	1.454%
3	5.516	558	565	570	rBV	1606462	2180198	86.47%	12.369%
4	6.516	729	735	754	rVB	1570508	2226301	88.30%	12.631%
5	6.898	794	800	805	rBV	583375	734666	29.14%	4.168%
6	7.457	889	895	900	rBV	1094436	1417903	56.24%	8.044%
7	7.710	930	938	950	rBV	23993	34102	1.35%	0.193%
8	8.181	1012	1018	1031	rBV	769427	965546	38.30%	5.478%
9	9.257	1195	1201	1206	rBV	1959377	2521311	100.00%	14.304%
10	9.933	1311	1316	1327	rVB	833050	1051238	41.69%	5.964%
11	10.651	1432	1438	1445	rBV	136361	179070	7.10%	1.016%
12	10.722	1445	1450	1464	rBV	1146853	1509951	59.89%	8.566%
13	11.422	1564	1569	1576	rBV	757058	959464	38.05%	5.443%
14	11.945	1653	1658	1674	rBV2	114711	187369	7.43%	1.063%
15	13.010	1833	1839	1844	rBV	1545181	1926148	76.39%	10.928%
16	13.904	1986	1991	2004	rBV	65597	128012	5.08%	0.726%
17	14.063	2013	2018	2027	rVB	462499	613506	24.33%	3.481%
18	15.562	2266	2273	2284	rBV	432508	693756	27.52%	3.936%

Sum of corrected areas: 17626267

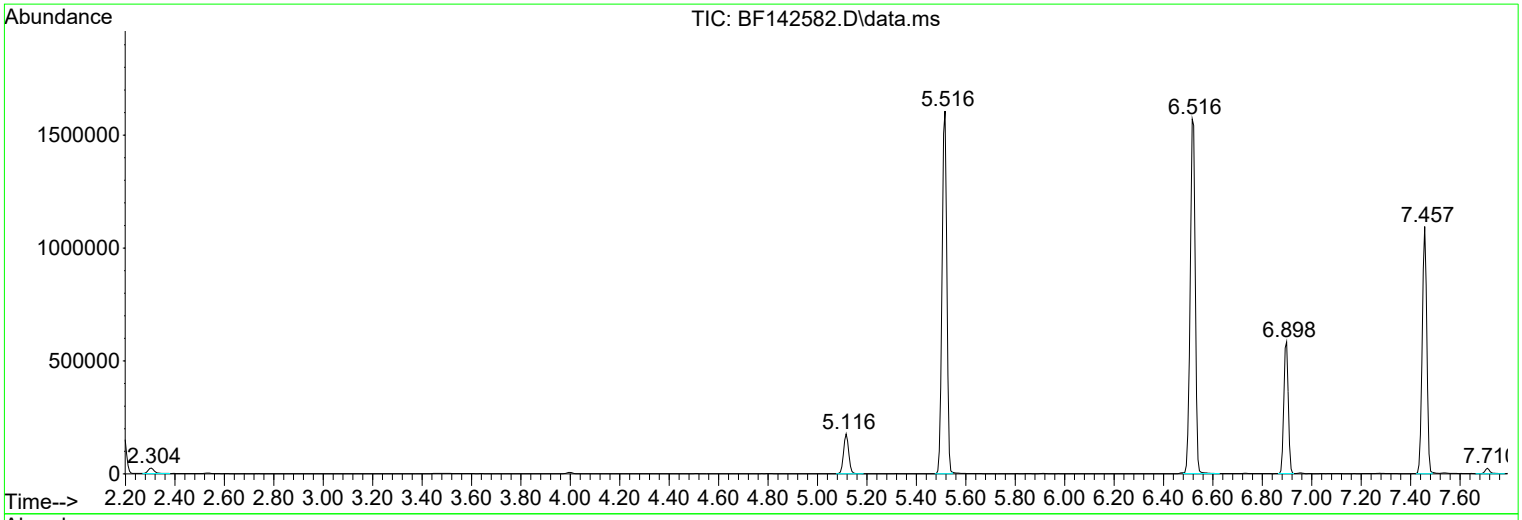
Sample Results: **BF142582.D**

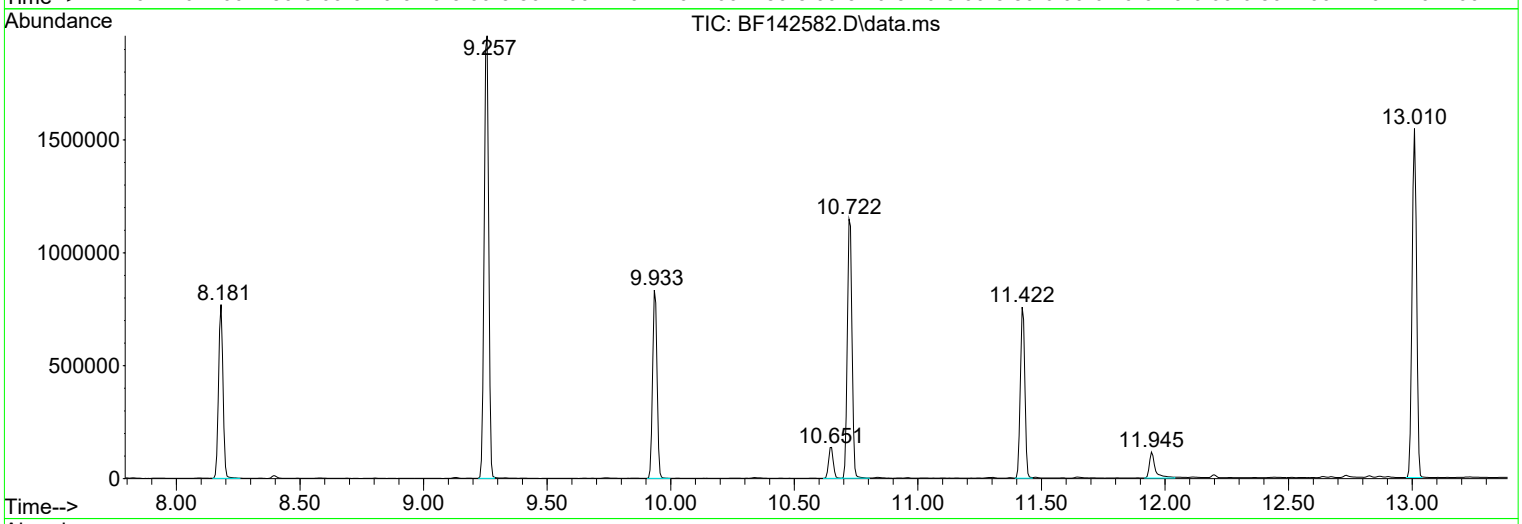
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053025\
Data File : BF142582.D
Acq On : 30 May 2025 21:13
Operator : RC/JU
Sample : Q2150-10
Misc :
ALS Vial : 18 Sample Multiplier: 1

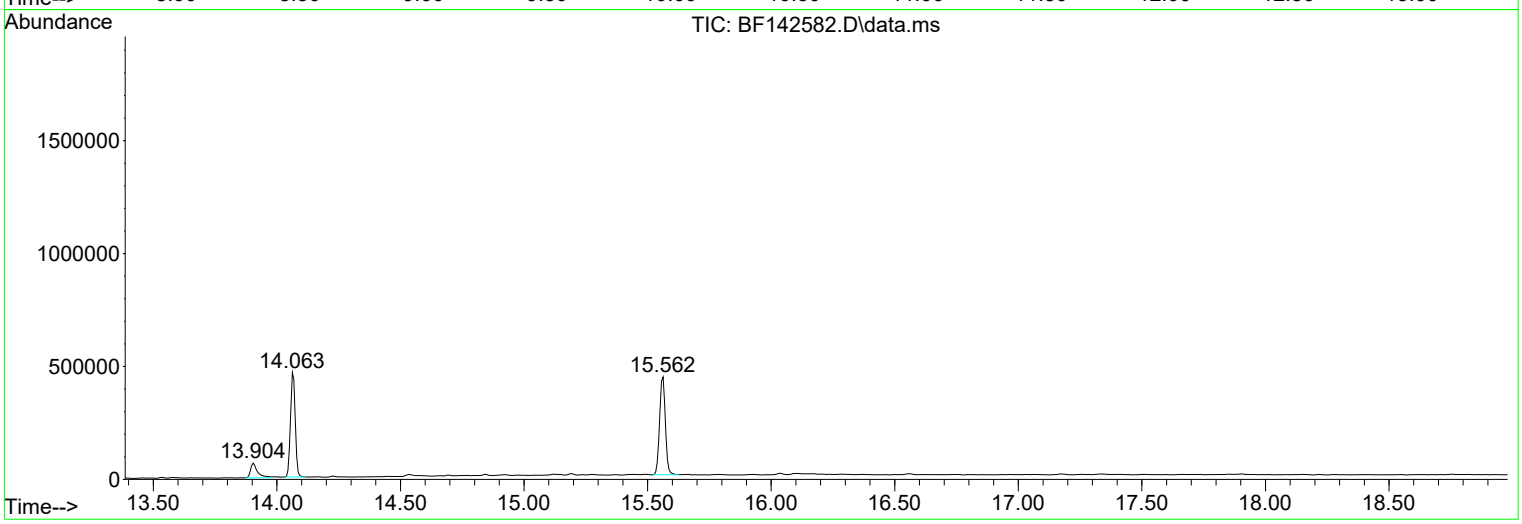
Instrument :
BNA_F
ClientSampleId :
TP-53

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.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\BF053025\
Data File : BF142582.D
Acq On : 30 May 2025 21:13
Operator : RC/JU
Sample : Q2150-10
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-53

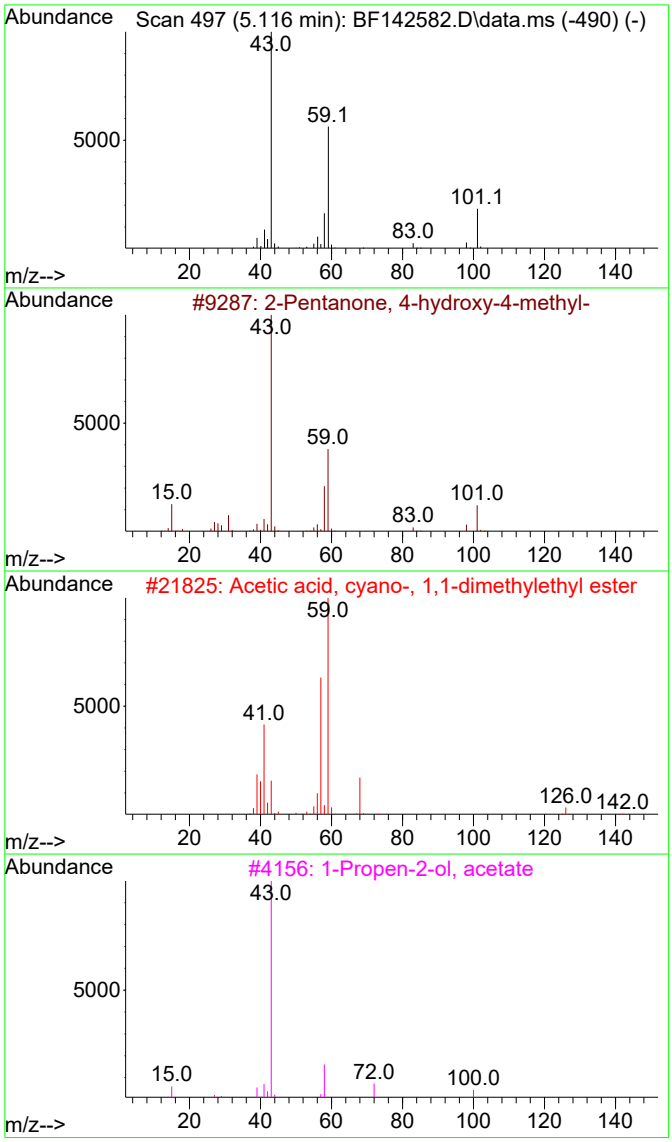
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

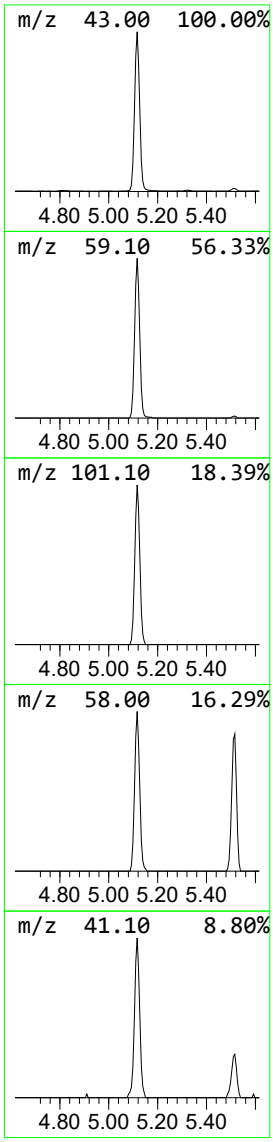
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.116	6.98 ng	256339	1,4-Dichlorobenzene-d4	6.898

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
3	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	12
4	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9
5	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053025\
Data File : BF142582.D
Acq On : 30 May 2025 21:13
Operator : RC/JU
Sample : Q2150-10
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-53

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

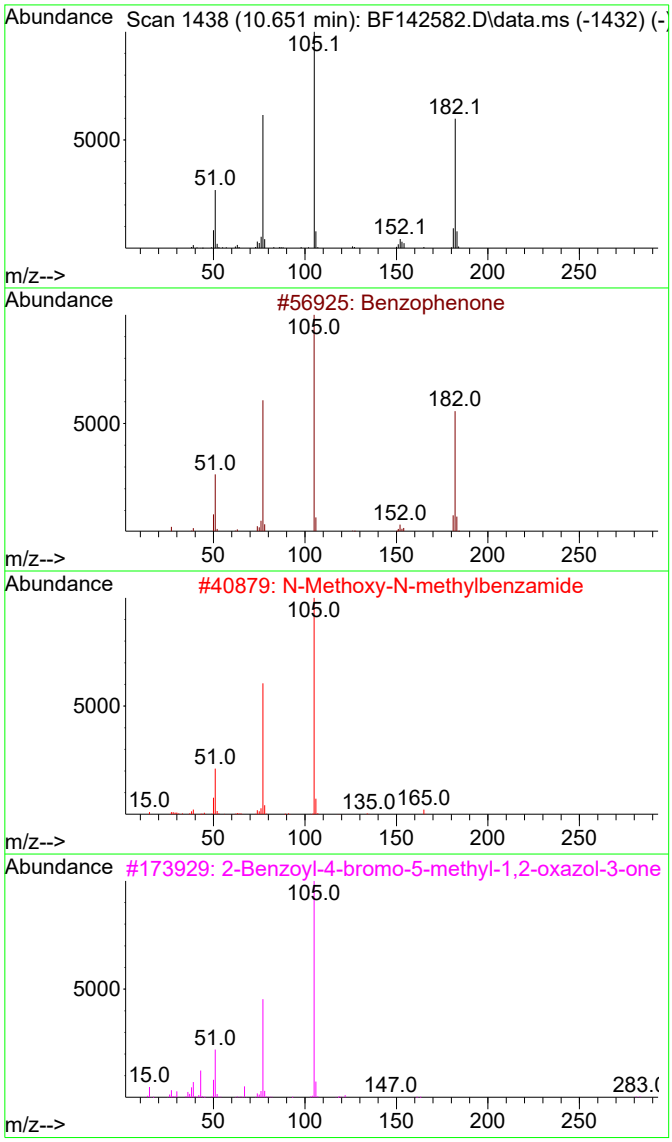
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

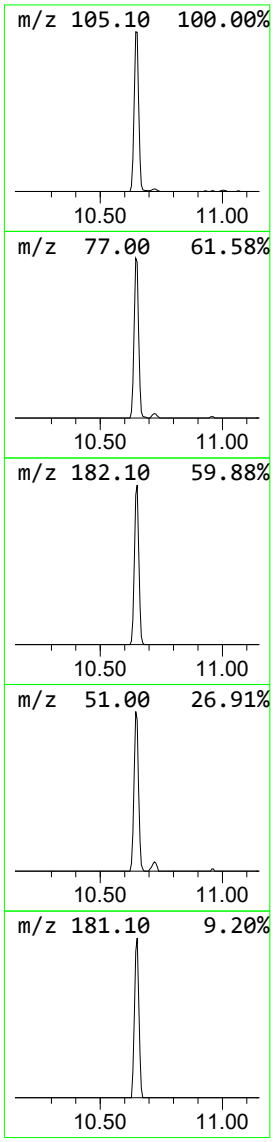
****

Peak Number 2 Benzophenone Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.651	3.41 ng	179070	Acenaphthene-d10	9.933

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	N-Methoxy-N-methylbenzamide	165	C9H11NO2	006919-61-5	47
3	2-Benzoyl-4-bromo-5-methyl-1,2-o...	281	C11H8BrNO3	1000444-92-3	47
4	Benzoyl bromide	184	C7H5BrO	000618-32-6	47
5	1-Propanone, 2-bromo-1-phenyl-	212	C9H9BrO	002114-00-3	47





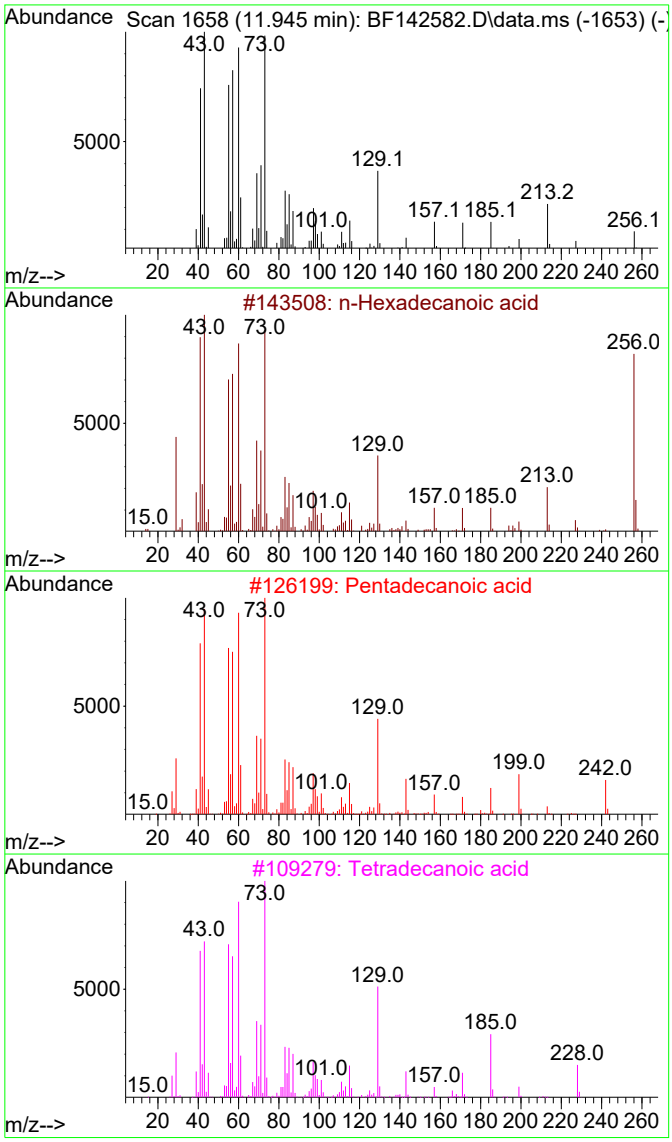
```
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053025\
Data File : BF142582.D
Acq On    : 30 May 2025  21:13
Operator  : RC/JU
Sample    : Q2150-10
Misc      :
ALS Vial  : 18   Sample Multiplier: 1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title  : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

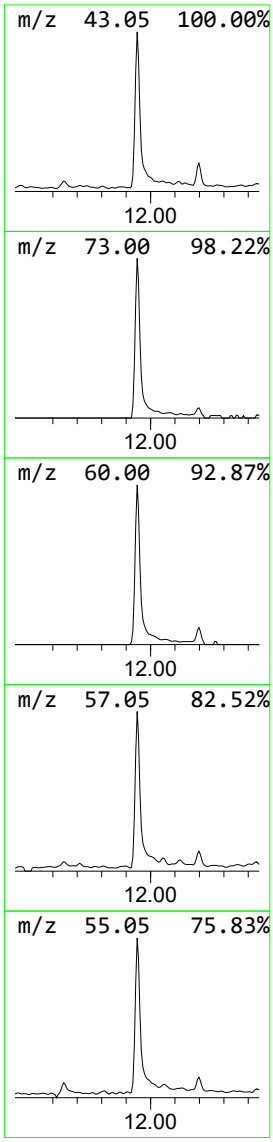
Instrument :
BNA_F
ClientSampleId :
TP-53

Peak Number 3 n-Hexadecanoic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.945	3.91 ng	187369	Phenanthrene-d10	11.422

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	Tetradecanoic acid	228	C14H28O2	000544-63-8	83
4	8-Methylnonanoic acid	172	C10H20O2	005963-14-4	78
5	Tridecanoic acid	214	C13H26O2	000638-53-9	76





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053025\
Data File : BF142582.D
Acq On : 30 May 2025 21:13
Operator : RC/JU
Sample : Q2150-10
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-53

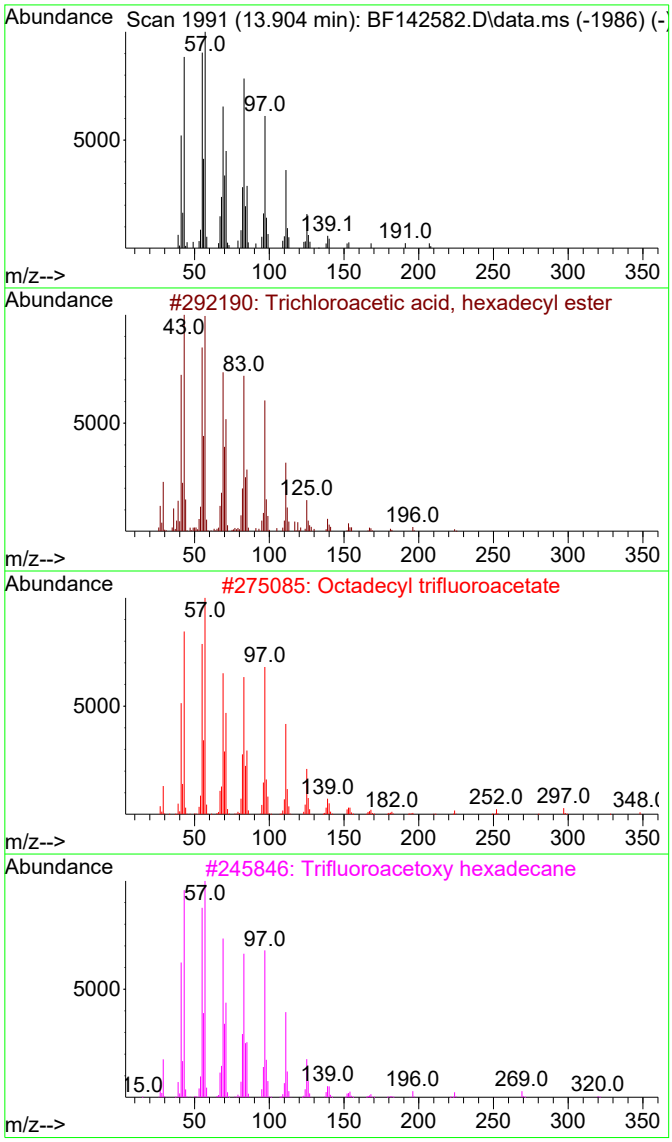
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

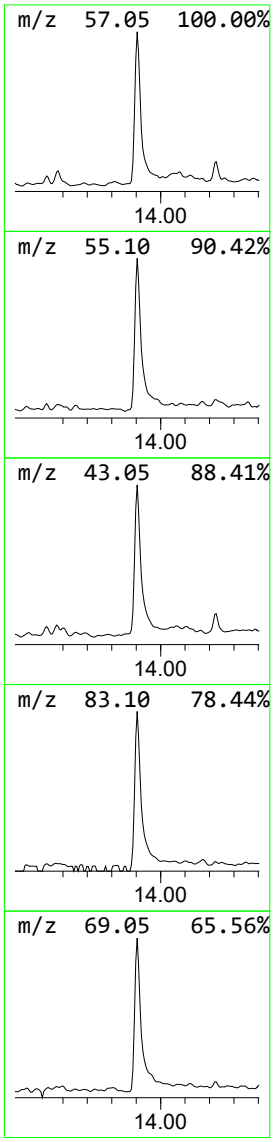
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Trichloroacetic acid, hexad... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.904	4.17 ng	128012	Chrysene-d12	14.063

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Trichloroacetic acid, hexadecyl ...	386	C18H33Cl3O2	074339-54-1	95
2	Octadecyl trifluoroacetate	366	C20H37F3O2	079392-43-1	94
3	Trifluoroacetoxy hexadecane	338	C18H33F3O2	006222-03-3	93
4	Heptadecyl trifluoroacetate	352	C19H35F3O2	1010351-87-0	93
5	1-Heneicosanol	312	C21H44O	015594-90-8	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053025\
Data File : BF142582.D
Acq On : 30 May 2025 21:13
Operator : RC/JU
Sample : Q2150-10
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-53

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.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-...	5.116	7.0	ng	256339	1	6.898	734666	20.0
Benzophenone	10.651	3.4	ng	179070	3	9.933	1051240	20.0
n-Hexadecanoic ...	11.945	3.9	ng	187369	4	11.422	959464	20.0
Trichloroacetic...	13.904	4.2	ng	128012	5	14.063	613506	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053025\
Data File : BF142567.D
Acq On : 30 May 2025 13:49
Operator : RC/JU
Sample : PB168211BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168211BL

Quant Time: May 30 14:21:26 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration

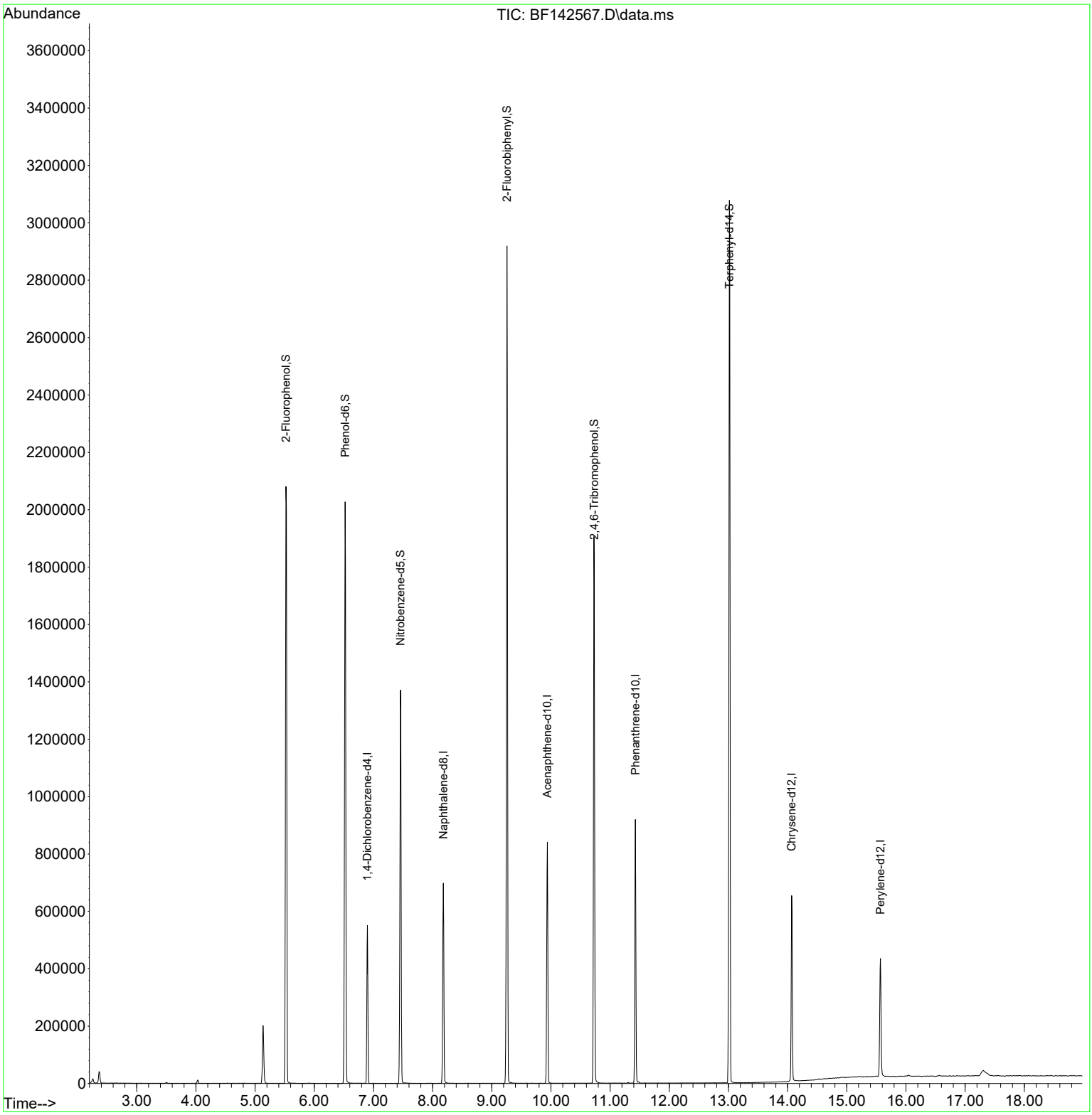
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	120363	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	465933	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	259895	20.000	ng	0.00
64) Phenanthrene-d10	11.428	188	480220	20.000	ng	0.00
76) Chrysene-d12	14.069	240	319274	20.000	ng	# 0.00
86) Perylene-d12	15.568	264	249124	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	858655	120.188	ng	0.00
7) Phenol-d6	6.522	99	1042703	121.245	ng	-0.01
23) Nitrobenzene-d5	7.457	82	634450	74.251	ng	-0.02
42) 2,4,6-Tribromophenol	10.733	330	359050	124.475	ng	0.00
45) 2-Fluorobiphenyl	9.257	172	1376467	71.068	ng	-0.01
79) Terphenyl-d14	13.016	244	1598136	68.403	ng	0.00
Target Compounds						Qvalue

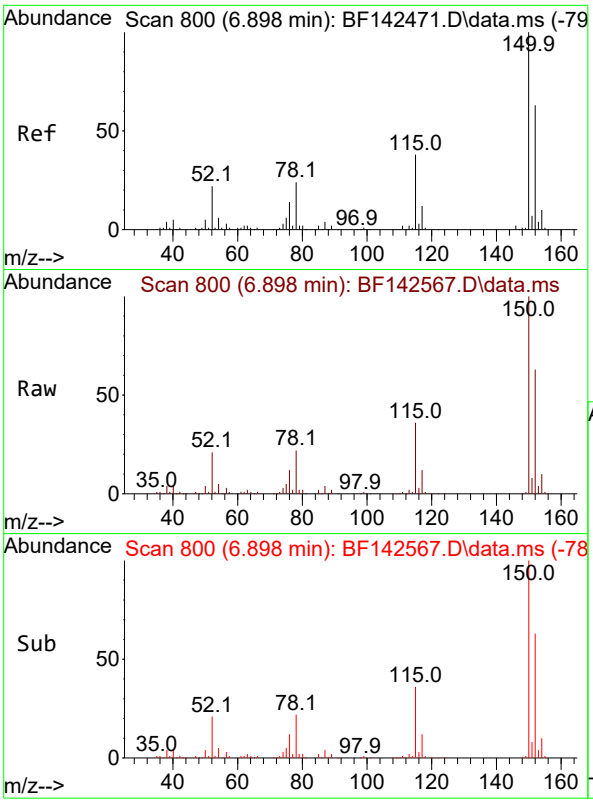
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053025\
Data File : BF142567.D
Acq On : 30 May 2025 13:49
Operator : RC/JU
Sample : PB168211BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168211BL

Quant Time: May 30 14:21:26 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration



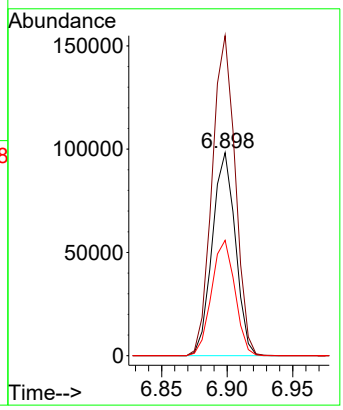


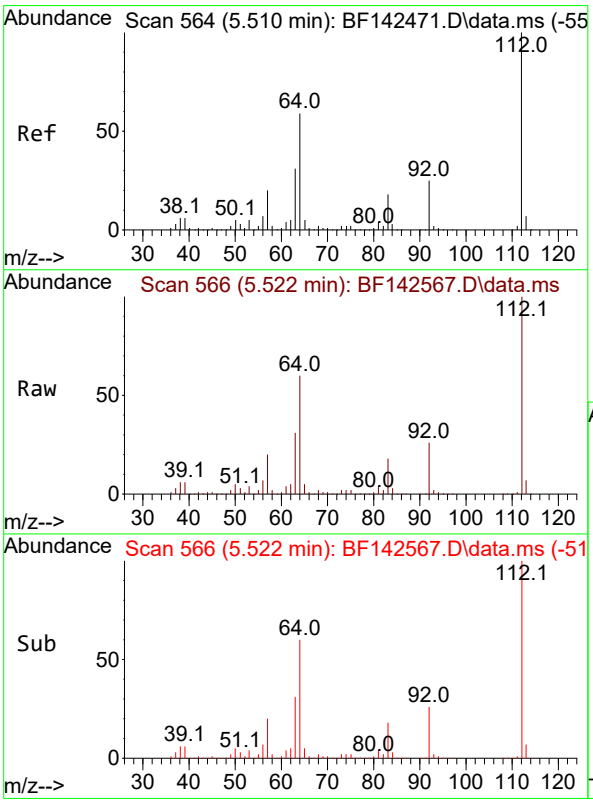
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142567.D
Acq: 30 May 2025 13:49

Instrument :
BNA_F
ClientSampleId :
PB168211BL

Tgt Ion:152 Resp: 120363

Ion	Ratio	Lower	Upper
152	100		
150	157.6	128.2	192.4
115	56.8	48.3	72.5

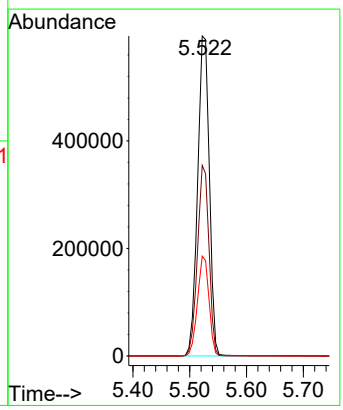


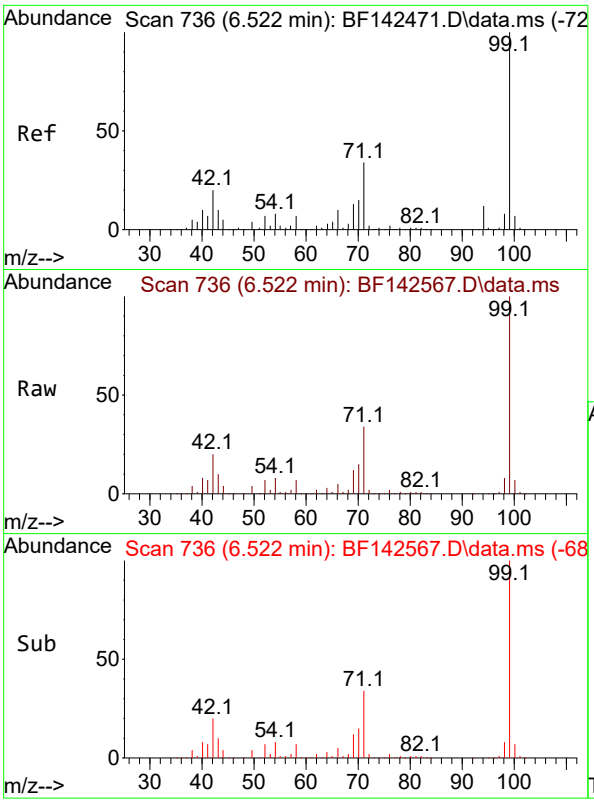


#5
2-Fluorophenol
Concen: 120.188 ng
RT: 5.522 min Scan# 566
Delta R.T. 0.006 min
Lab File: BF142567.D
Acq: 30 May 2025 13:49

Tgt Ion:112 Resp: 858655

Ion	Ratio	Lower	Upper
112	100		
64	59.6	47.5	71.3
63	31.2	24.9	37.3



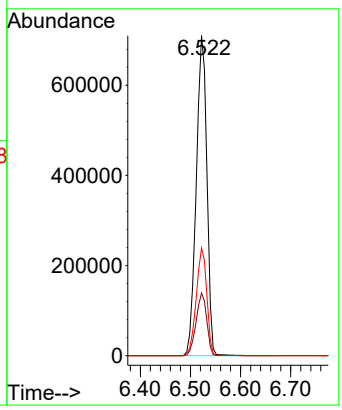


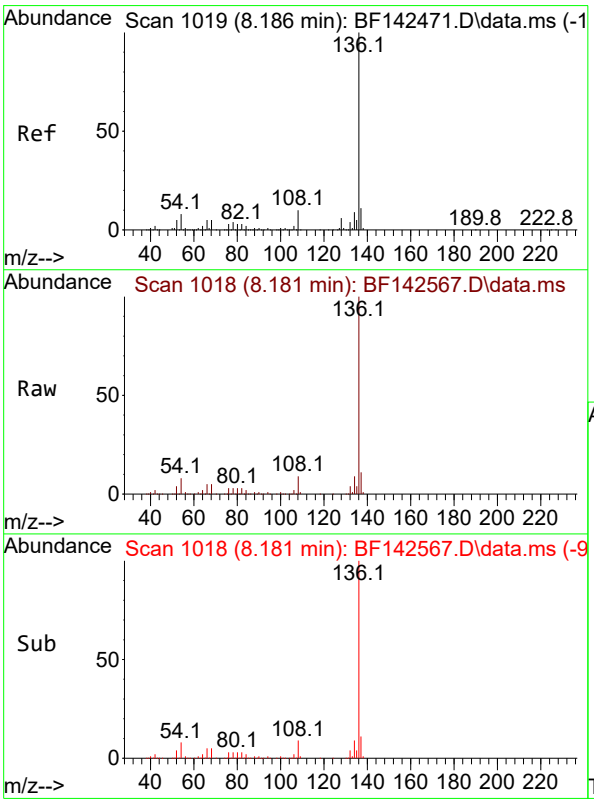
#7
Phenol-d6
Concen: 121.245 ng
RT: 6.522 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF142567.D
Acq: 30 May 2025 13:49

Instrument :
BNA_F
ClientSampleId :
PB168211BL

Tgt Ion: 99 Resp: 1042703

Ion	Ratio	Lower	Upper
99	100		
42	19.5	16.2	24.2
71	33.7	27.3	40.9

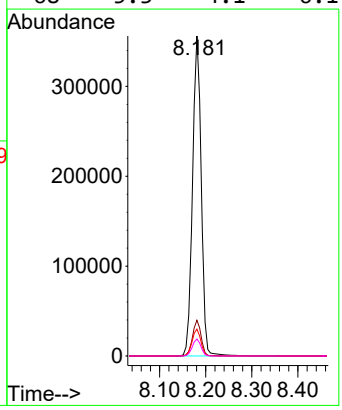


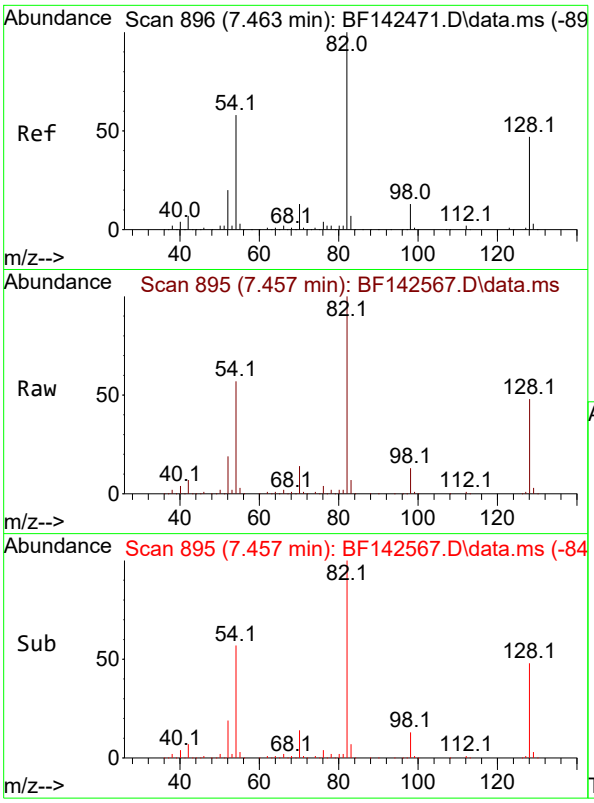


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF142567.D
Acq: 30 May 2025 13:49

Tgt Ion:136 Resp: 465933

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.6	13.0
54	8.4	6.6	10.0
68	5.3	4.1	6.1



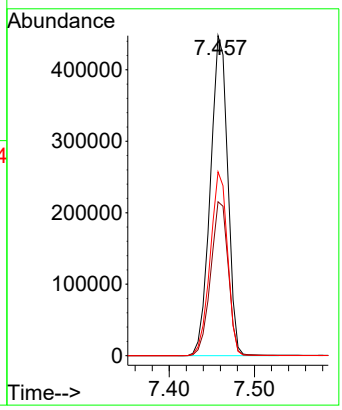


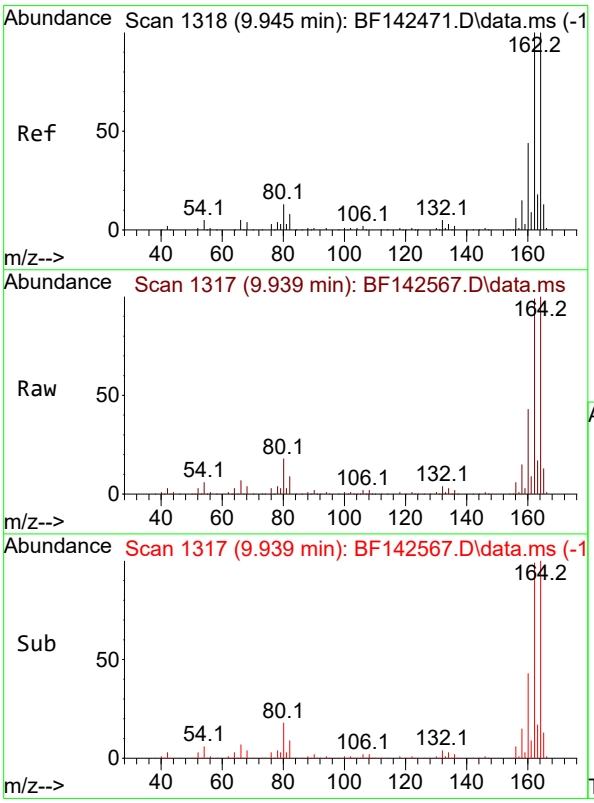
#23
Nitrobenzene-d5
Concen: 74.251 ng
RT: 7.457 min Scan# 8
Delta R.T. -0.017 min
Lab File: BF142567.D
Acq: 30 May 2025 13:49

Instrument :
BNA_F
ClientSampleId :
PB168211BL

Tgt Ion: 82 Resp: 634450

Ion	Ratio	Lower	Upper
82	100		
128	48.1	37.4	56.2
54	57.4	46.6	70.0

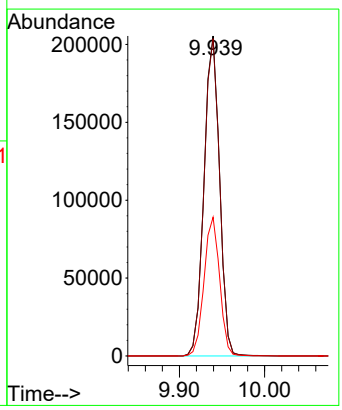


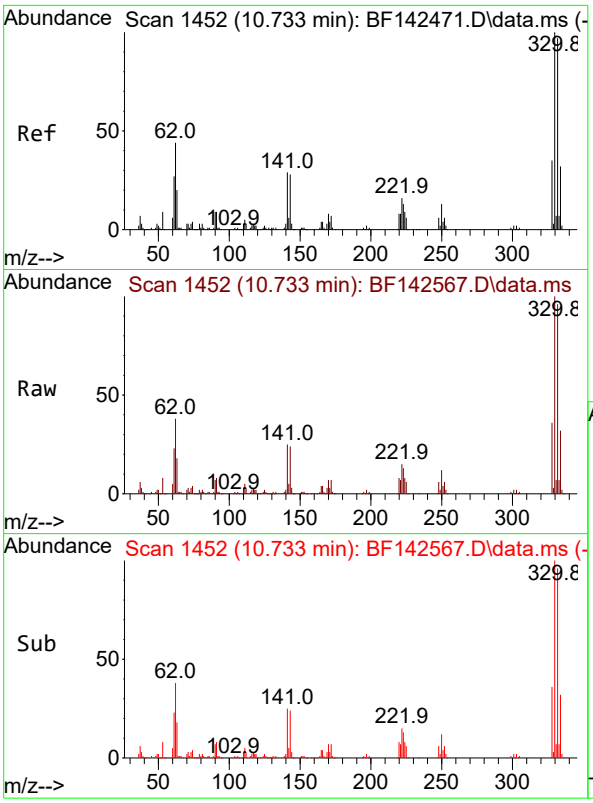


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 1317
Delta R.T. -0.006 min
Lab File: BF142567.D
Acq: 30 May 2025 13:49

Tgt Ion:164 Resp: 259895

Ion	Ratio	Lower	Upper
164	100		
162	99.2	80.2	120.4
160	43.4	35.6	53.4



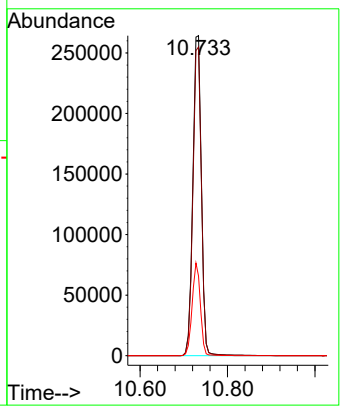


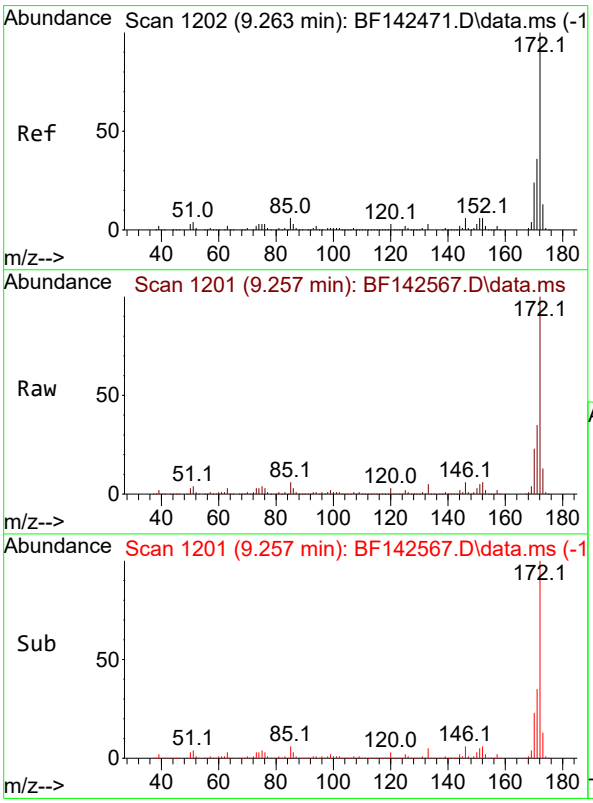
#42
2,4,6-Tribromophenol
Concen: 124.475 ng
RT: 10.733 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142567.D
Acq: 30 May 2025 13:49

Instrument :
BNA_F
ClientSampleId :
PB168211BL

Tgt Ion:330 Resp: 359050

Ion	Ratio	Lower	Upper
330	100		
332	95.8	77.6	116.4
141	27.9	24.6	36.8

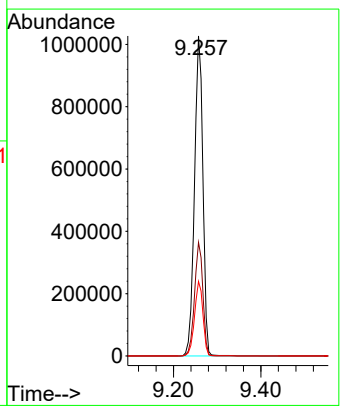


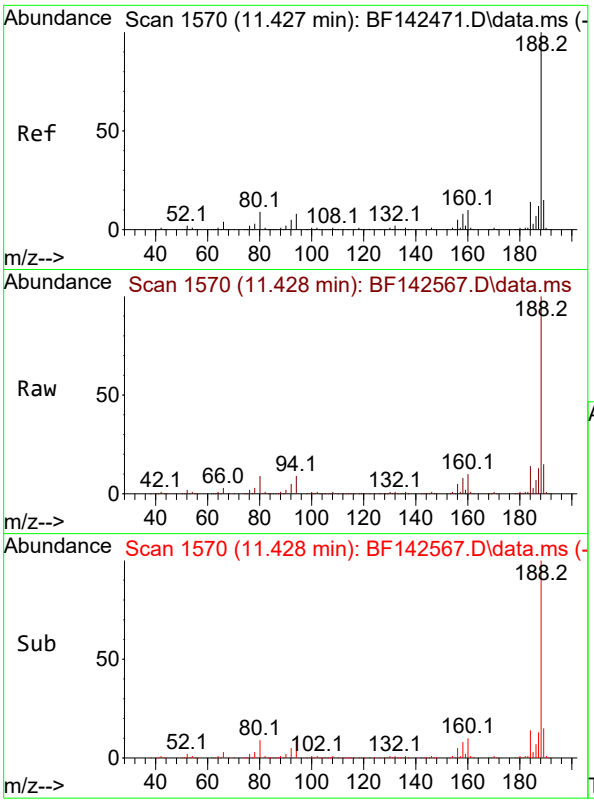


#45
2-Fluorobiphenyl
Concen: 71.068 ng
RT: 9.257 min Scan# 1201
Delta R.T. -0.012 min
Lab File: BF142567.D
Acq: 30 May 2025 13:49

Tgt Ion:172 Resp: 1376467

Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.6	42.8
170	23.3	18.9	28.3



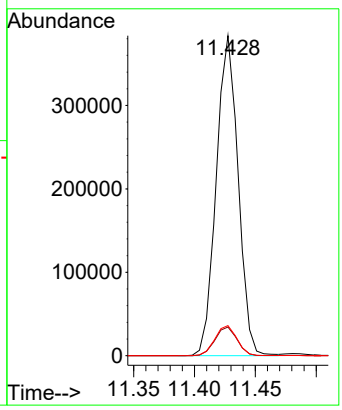


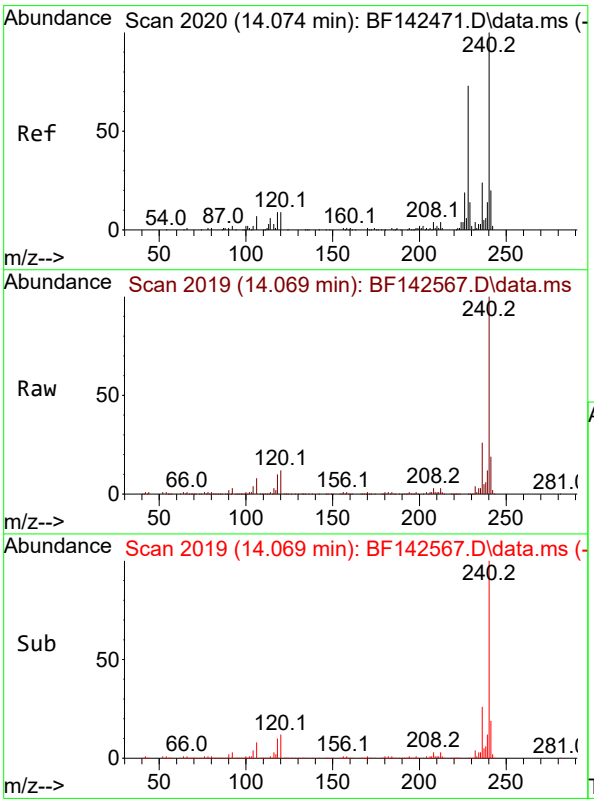
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.428 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142567.D
Acq: 30 May 2025 13:49

Instrument :
BNA_F
ClientSampleId :
PB168211BL

Tgt Ion:188 Resp: 480220

Ion	Ratio	Lower	Upper
188	100		
94	9.0	6.6	10.0
80	9.4	7.4	11.0

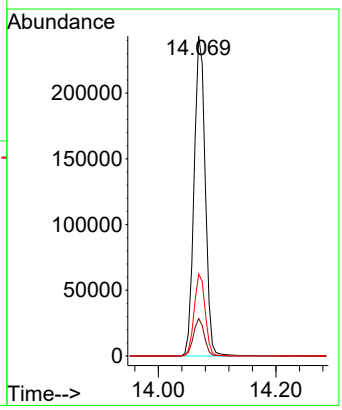


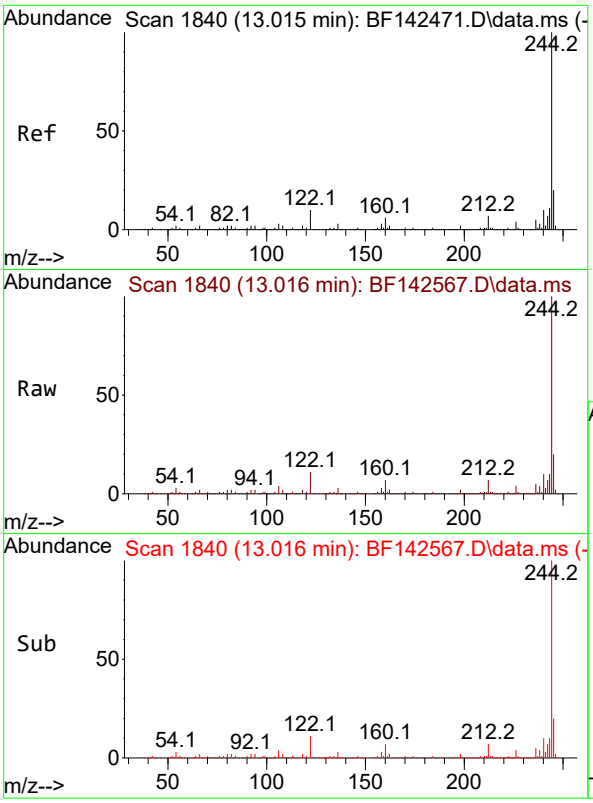


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.069 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF142567.D
Acq: 30 May 2025 13:49

Tgt Ion:240 Resp: 319274

Ion	Ratio	Lower	Upper
240	100		
120	11.7	7.5	11.3#
236	25.6	19.6	29.4



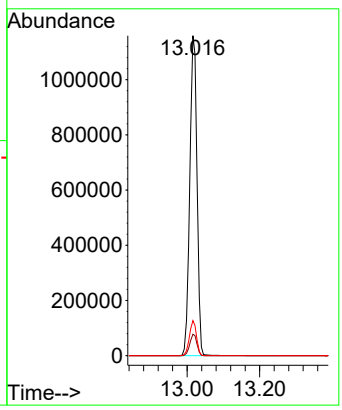


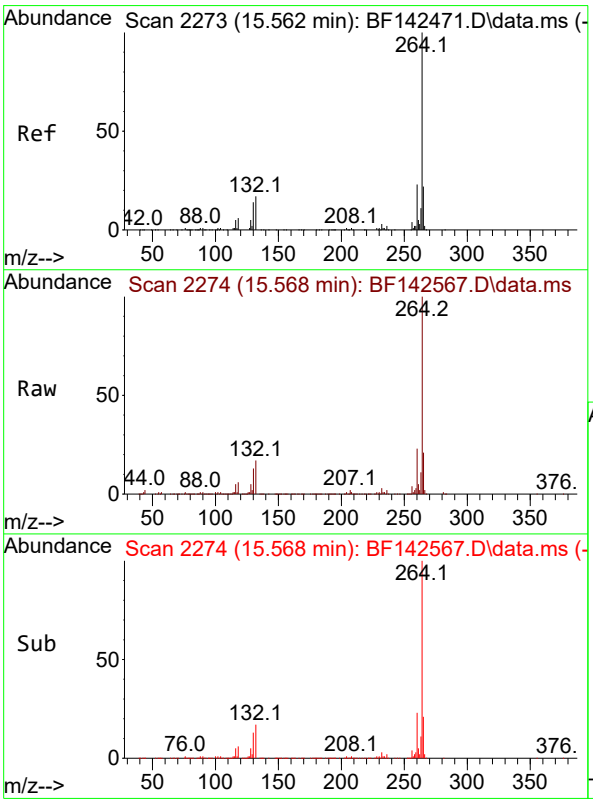
#79
Terphenyl-d14
Concen: 68.403 ng
RT: 13.016 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142567.D
Acq: 30 May 2025 13:49

Instrument :
BNA_F
ClientSampleId :
PB168211BL

Tgt Ion:244 Resp: 1598136

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.3	7.9
122	10.9	8.2	12.2

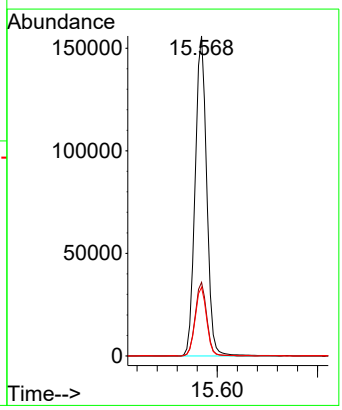




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.568 min Scan# 2274
Delta R.T. 0.000 min
Lab File: BF142567.D
Acq: 30 May 2025 13:49

Tgt Ion:264 Resp: 249124

Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.6	28.0
265	21.5	17.7	26.5



Sample Results: **BF142567.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053025\
Data File : BF142567.D
Acq On : 30 May 2025 13:49
Operator : RC/JU
Sample : PB168211BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168211BL

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-BF052025.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF142567.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.363	20	29	39	rVB	39739	67676	1.62%	0.280%
2	5.134	494	500	517	rBV	201442	323138	7.72%	1.338%
3	5.522	560	566	572	rBV	2080786	2950934	70.48%	12.220%
4	6.522	729	736	742	rBV	2027286	2972206	70.99%	12.308%
5	6.898	795	800	805	rBV	551358	678646	16.21%	2.810%
6	7.457	888	895	901	rBV	1371044	1941005	46.36%	8.038%
7	8.181	1012	1018	1032	rBV	698181	904610	21.61%	3.746%
8	9.257	1194	1201	1206	rBV	2918803	3862734	92.26%	15.996%
9	9.939	1311	1317	1322	rBV	840683	1064988	25.44%	4.410%
10	10.728	1445	1451	1467	rBV	1905522	2525588	60.32%	10.458%
11	11.428	1564	1570	1575	rBV	919013	1145953	27.37%	4.745%
12	13.016	1834	1840	1846	rBV	3076276	4186924	100.00%	17.338%
13	14.069	2010	2019	2032	rBV	648148	864665	20.65%	3.581%
14	15.568	2267	2274	2287	rBV	411807	659691	15.76%	2.732%

Sum of corrected areas: 24148758

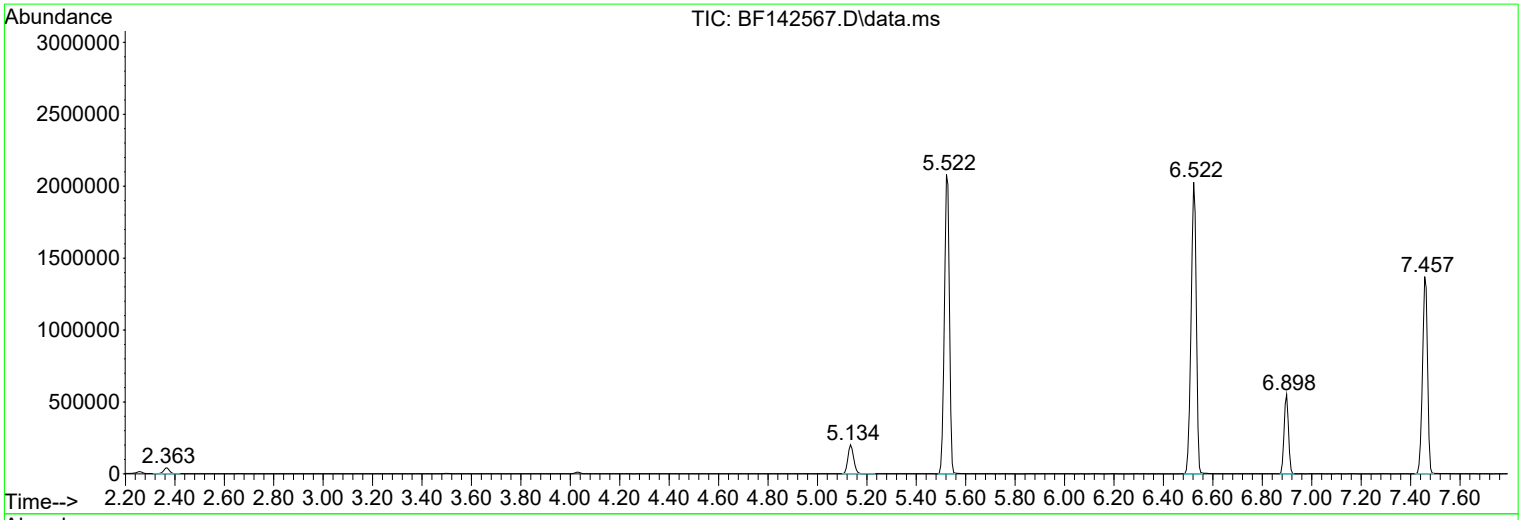
Sample Results: **BF142567.D**

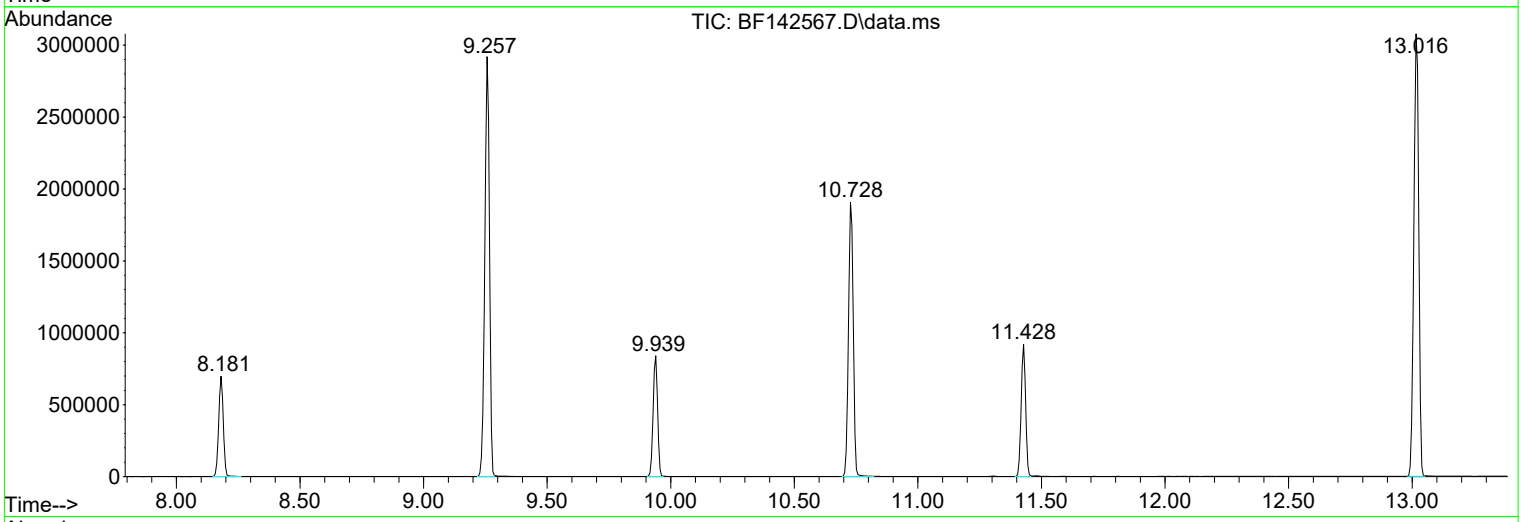
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053025\
Data File : BF142567.D
Acq On : 30 May 2025 13:49
Operator : RC/JU
Sample : PB168211BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

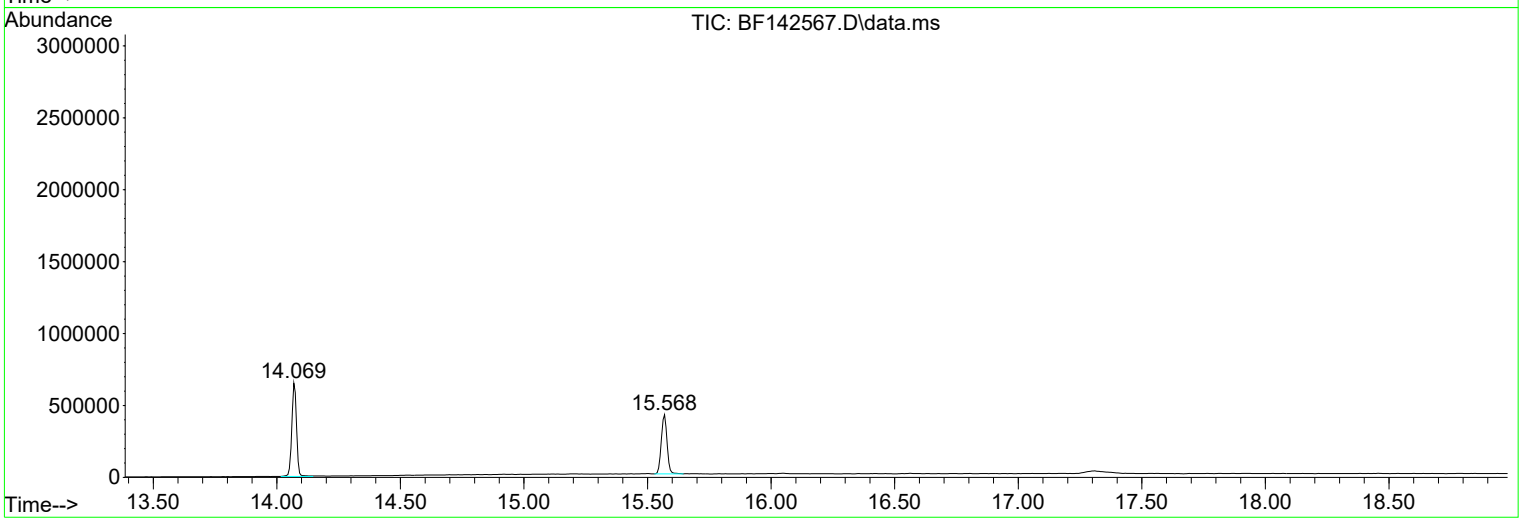
Instrument :
BNA_F
ClientSampleId :
PB168211BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.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\BF053025\
Data File : BF142567.D
Acq On : 30 May 2025 13:49
Operator : RC/JU
Sample : PB168211BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168211BL

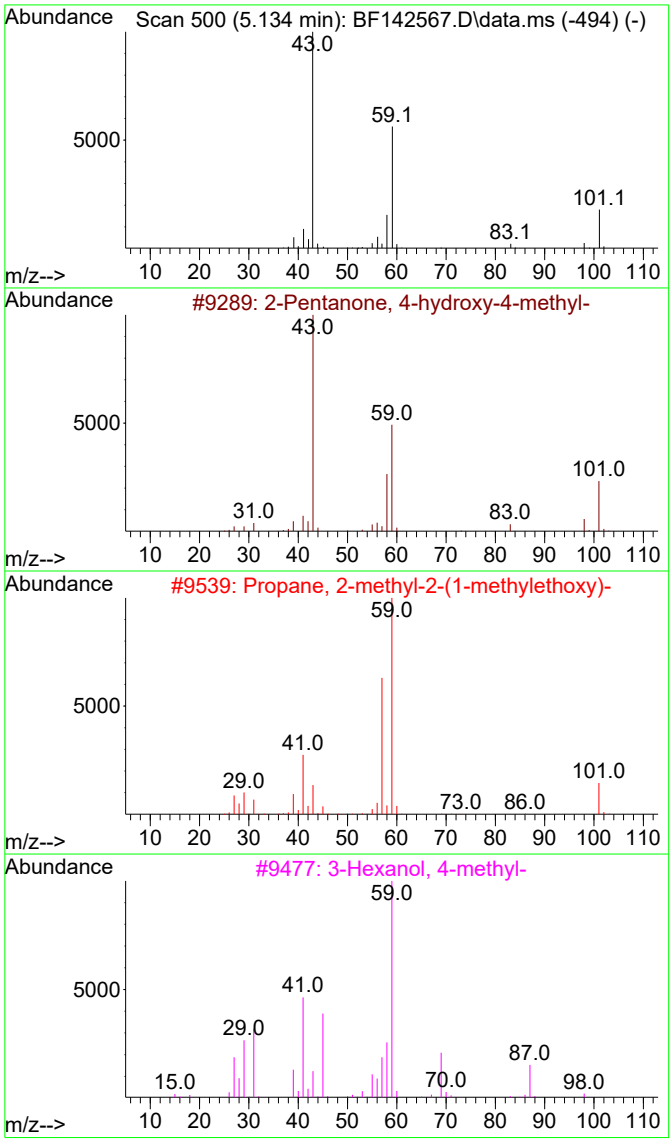
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

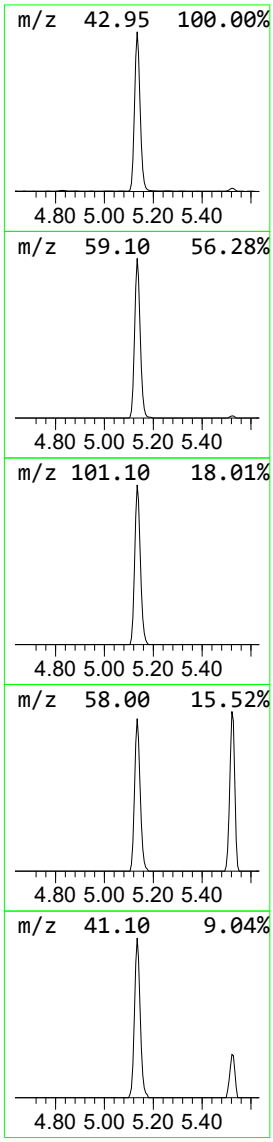
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.134	9.52 ng	323138	1,4-Dichlorobenzene-d4	6.898

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	33
3	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
4	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	32
5	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	12





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053025\
Data File : BF142567.D
Acq On : 30 May 2025 13:49
Operator : RC/JU
Sample : PB168211BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168211BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.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-...	5.134	9.5	ng	323138	1	6.898	678646	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053025\
Data File : BF142568.D
Acq On : 30 May 2025 14:18
Operator : RC/JU
Sample : PB168211BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168211BS

Quant Time: May 30 17:24:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	122043	20.000	ng	0.00
21) Naphthalene-d8	8.186	136	476655	20.000	ng	0.00
39) Acenaphthene-d10	9.945	164	264068	20.000	ng	0.00
64) Phenanthrene-d10	11.433	188	470473	20.000	ng	0.00
76) Chrysene-d12	14.074	240	271265	20.000	ng	0.00
86) Perylene-d12	15.568	264	242037	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.528	112	852680	117.709	ng	0.01
7) Phenol-d6	6.528	99	1047774	120.158	ng	0.00
23) Nitrobenzene-d5	7.463	82	640818	73.309	ng	-0.01
42) 2,4,6-Tribromophenol	10.733	330	372617	127.137	ng	0.00
45) 2-Fluorobiphenyl	9.263	172	1387067	70.484	ng	0.00
79) Terphenyl-d14	13.015	244	1462423	73.672	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.769	88	103387	35.666	ng	99
3) Pyridine	3.528	79	287654	38.968	ng	98
4) n-Nitrosodimethylamine	3.481	42	153912	40.157	ng	93
6) Aniline	6.563	93	386546	32.968	ng	100
8) 2-Chlorophenol	6.681	128	334430	42.385	ng	98
9) Benzaldehyde	6.451	77	176933	33.735	ng	99
10) Phenol	6.545	94	407345	41.516	ng	94
11) bis(2-Chloroethyl)ether	6.634	93	294278	41.665	ng	99
12) 1,3-Dichlorobenzene	6.839	146	348789	39.616	ng	99
13) 1,4-Dichlorobenzene	6.916	146	351735	39.660	ng	98
14) 1,2-Dichlorobenzene	7.069	146	345320	40.692	ng	99
15) Benzyl Alcohol	7.039	79	276133	42.851	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.175	45	478931	40.378	ng	99
17) 2-Methylphenol	7.151	107	265099	43.034	ng	99
18) Hexachloroethane	7.410	117	124413	40.175	ng	97
19) n-Nitroso-di-n-propyla...	7.310	70	216777	40.112	ng	99
20) 3+4-Methylphenols	7.304	107	331352	42.003	ng	98
22) Acetophenone	7.310	105	431045	40.851	ng	99
24) Nitrobenzene	7.481	77	327349	41.521	ng	98
25) Isophorone	7.722	82	603262	41.277	ng	98
26) 2-Nitrophenol	7.798	139	184515	43.800	ng	96
27) 2,4-Dimethylphenol	7.833	122	319426	42.997	ng	100
28) bis(2-Chloroethoxy)met...	7.928	93	377464	41.345	ng	99
29) 2,4-Dichlorophenol	8.039	162	294165	43.541	ng	99
30) 1,2,4-Trichlorobenzene	8.122	180	297631	40.592	ng	98
31) Naphthalene	8.204	128	964027	41.074	ng	100
32) Benzoic acid	7.957	122	216728	47.925	ng	95
33) 4-Chloroaniline	8.251	127	199850	21.014	ng	98
34) Hexachlorobutadiene	8.322	225	179561	39.221	ng	99
35) Caprolactam	8.622	113	95942m	50.562	ng	
36) 4-Chloro-3-methylphenol	8.733	107	307511	44.413	ng	99
37) 2-Methylnaphthalene	8.898	142	603358	40.862	ng	100
38) 1-Methylnaphthalene	8.998	142	628687	41.163	ng	100
40) 1,2,4,5-Tetrachloroben...	9.063	216	306920	40.489	ng	99
41) Hexachlorocyclopentadiene	9.051	237	409386	80.059	ng	99
43) 2,4,6-Trichlorophenol	9.175	196	218158	42.680	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053025\
Data File : BF142568.D
Acq On : 30 May 2025 14:18
Operator : RC/JU
Sample : PB168211BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168211BS

Quant Time: May 30 17:24:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration

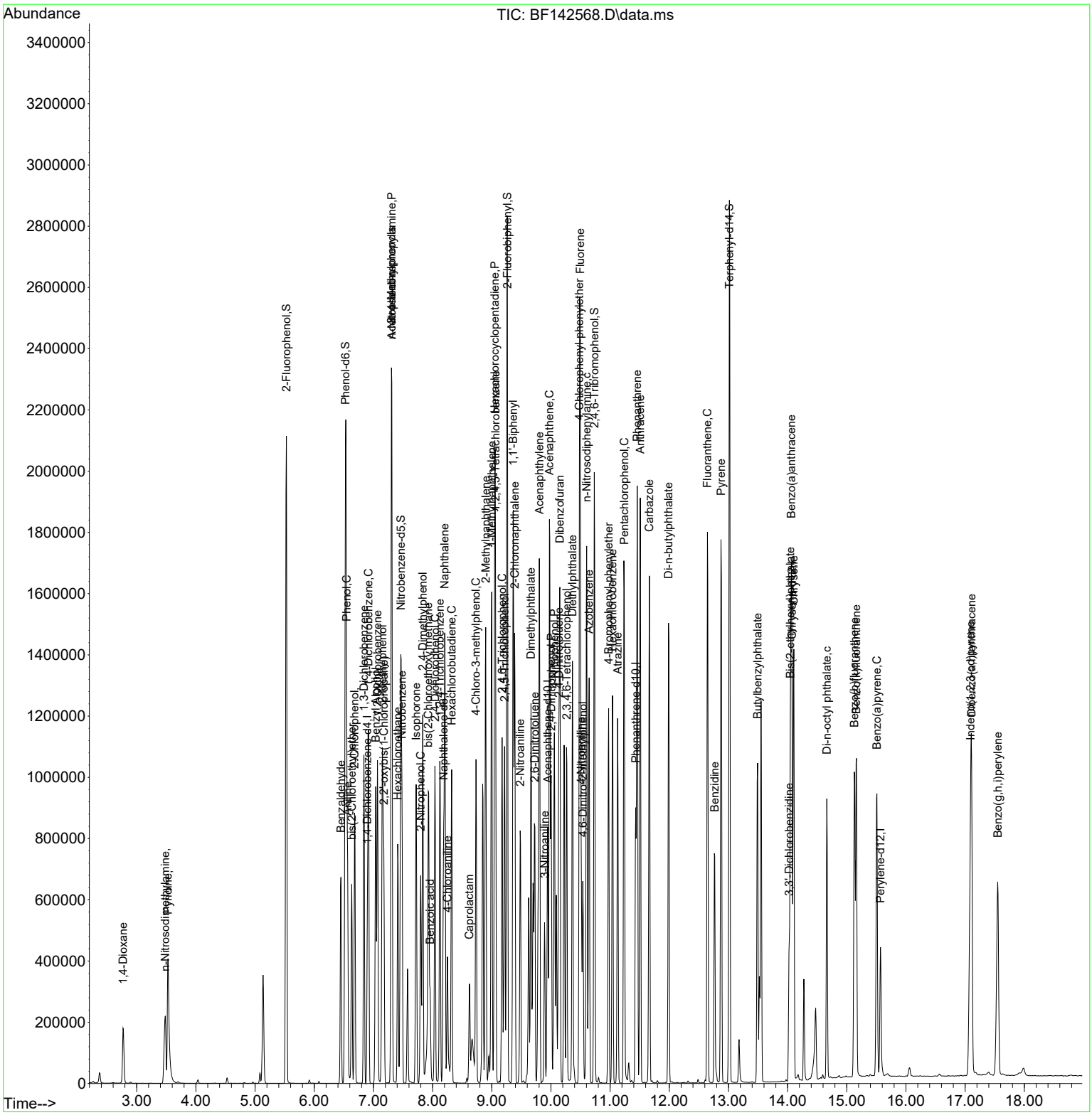
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.216	196	237861	44.123	ng	98
46) 1,1'-Biphenyl	9.363	154	838760	40.941	ng	99
47) 2-Chloronaphthalene	9.386	162	621764	41.077	ng	99
48) 2-Nitroaniline	9.480	65	194996	44.570	ng	99
49) Acenaphthylene	9.804	152	1077928	42.174	ng	100
50) Dimethylphthalate	9.663	163	767183	44.030	ng	100
51) 2,6-Dinitrotoluene	9.727	165	170243	45.269	ng	96
52) Acenaphthene	9.974	154	726019	46.519	ng	99
53) 3-Nitroaniline	9.892	138	122177	29.745	ng	99
54) 2,4-Dinitrophenol	10.004	184	208199	107.159	ng	92
55) Dibenzofuran	10.151	168	943056	41.990	ng	99
56) 4-Nitrophenol	10.057	139	297298	98.094	ng	99
57) 2,4-Dinitrotoluene	10.133	165	232579	47.356	ng	98
58) Fluorene	10.492	166	737241	42.491	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.269	232	200089	44.461	ng	99
60) Diethylphthalate	10.363	149	750725	44.116	ng	100
61) 4-Chlorophenyl-phenyle...	10.480	204	360489	42.294	ng	98
62) 4-Nitroaniline	10.510	138	183943	49.377	ng	97
63) Azobenzene	10.645	77	661165	43.257	ng	99
65) 4,6-Dinitro-2-methylph...	10.539	198	131023	49.902	ng	100
66) n-Nitrosodiphenylamine	10.604	169	657232	40.832	ng	100
67) 4-Bromophenyl-phenylether	10.974	248	229459	41.247	ng	98
68) Hexachlorobenzene	11.039	284	253935	41.271	ng	99
69) Atrazine	11.127	200	207887	48.633	ng	99
70) Pentachlorophenol	11.239	266	304411	87.631	ng	99
71) Phenanthrene	11.457	178	1049379	41.736	ng	99
72) Anthracene	11.510	178	1083954	42.242	ng	99
73) Carbazole	11.663	167	987084	44.996	ng	100
74) Di-n-butylphthalate	11.986	149	1125656	46.879	ng	99
75) Fluoranthene	12.645	202	1074252	45.725	ng	98
77) Benzidine	12.768	184	437383	43.328	ng	99
78) Pyrene	12.874	202	1070790	42.315	ng	99
80) Butylbenzylphthalate	13.492	149	358852	51.321	ng	97
81) Benzo(a)anthracene	14.062	228	811376	44.793	ng	99
82) 3,3'-Dichlorobenzidine	14.027	252	131683	23.968	ng	99
83) Chrysene	14.104	228	682489	41.931	ng	100
84) Bis(2-ethylhexyl)phtha...	14.045	149	409441	45.742	ng	99
85) Di-n-octyl phthalate	14.662	149	624867	35.702	ng	100
87) Indeno(1,2,3-cd)pyrene	17.092	276	748803	41.209	ng	99
88) Benzo(b)fluoranthene	15.127	252	663382	46.310	ng	98
89) Benzo(k)fluoranthene	15.162	252	589241	43.918	ng	99
90) Benzo(a)pyrene	15.509	252	605231	44.823	ng	99
91) Dibenzo(a,h)anthracene	17.109	278	612544	41.564	ng	100
92) Benzo(g,h,i)perylene	17.550	276	603462	40.939	ng	98

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053025\
Data File : BF142568.D
Acq On : 30 May 2025 14:18
Operator : RC/JU
Sample : PB168211BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168211BS

Quant Time: May 30 17:24:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053025\
Data File : BF142571.D
Acq On : 30 May 2025 15:50
Operator : RC/JU
Sample : Q2150-09MS
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-54MS

Quant Time: May 30 17:24:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	123670	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	460723	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	236866	20.000	ng	0.00
64) Phenanthrene-d10	11.428	188	378954	20.000	ng	0.00
76) Chrysene-d12	14.074	240	208599	20.000	ng	0.00
86) Perylene-d12	15.568	264	243037	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	637889	86.900	ng	0.00
7) Phenol-d6	6.528	99	794110	89.870	ng	0.00
23) Nitrobenzene-d5	7.463	82	467633	55.347	ng	-0.01
42) 2,4,6-Tribromophenol	10.733	330	242888	92.391	ng	0.00
45) 2-Fluorobiphenyl	9.257	172	929576	52.661	ng	-0.01
79) Terphenyl-d14	13.010	244	783393	51.321	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.746	88	109776	37.372	ng	99
3) Pyridine	3.505	79	302573	40.450	ng	98
4) n-Nitrosodimethylamine	3.463	42	160959	41.443	ng	92
6) Aniline	6.563	93	316940	26.676	ng	99
8) 2-Chlorophenol	6.681	128	338147	42.293	ng	98
9) Benzaldehyde	6.445	77	193731	36.452	ng	97
10) Phenol	6.540	94	406216	40.856	ng	100
11) bis(2-Chloroethyl)ether	6.634	93	301601	42.140	ng	99
12) 1,3-Dichlorobenzene	6.840	146	367071	41.143	ng	98
13) 1,4-Dichlorobenzene	6.916	146	369977	41.168	ng	99
14) 1,2-Dichlorobenzene	7.069	146	353989	41.165	ng	98
15) Benzyl Alcohol	7.040	79	268961	41.189	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.169	45	496978	41.349	ng	97
17) 2-Methylphenol	7.151	107	258669	41.437	ng	99
18) Hexachloroethane	7.410	117	128740	41.025	ng	98
19) n-Nitroso-di-n-propyla...	7.310	70	218260	39.855	ng	99
20) 3+4-Methylphenols	7.304	107	322695	40.368	ng	96
22) Acetophenone	7.310	105	427657	41.931	ng	99
24) Nitrobenzene	7.481	77	329801	43.279	ng	99
25) Isophorone	7.722	82	584319	41.364	ng	98
26) 2-Nitrophenol	7.798	139	182519	44.825	ng	97
27) 2,4-Dimethylphenol	7.834	122	308400	42.948	ng	99
28) bis(2-Chloroethoxy)met...	7.928	93	371689	42.120	ng	100
29) 2,4-Dichlorophenol	8.040	162	279177	42.751	ng	100
30) 1,2,4-Trichlorobenzene	8.122	180	306167	43.200	ng	98
31) Naphthalene	8.204	128	949468	41.853	ng	100
32) Benzoic acid	7.951	122	196256	44.899	ng	98
33) 4-Chloroaniline	8.251	127	83788	9.115	ng	97
34) Hexachlorobutadiene	8.322	225	184383	41.667	ng	99
35) Caprolactam	8.622	113	83353m	45.447	ng	
36) 4-Chloro-3-methylphenol	8.734	107	276787	41.358	ng	97
37) 2-Methylnaphthalene	8.898	142	586972	41.127	ng	100
38) 1-Methylnaphthalene	8.998	142	601058	40.715	ng	100
40) 1,2,4,5-Tetrachloroben...	9.063	216	300567	44.205	ng	99
41) Hexachlorocyclopentadiene	9.051	237	370150	80.699	ng	99
43) 2,4,6-Trichlorophenol	9.175	196	199554	43.524	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053025\
Data File : BF142571.D
Acq On : 30 May 2025 15:50
Operator : RC/JU
Sample : Q2150-09MS
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-54MS

Quant Time: May 30 17:24:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration

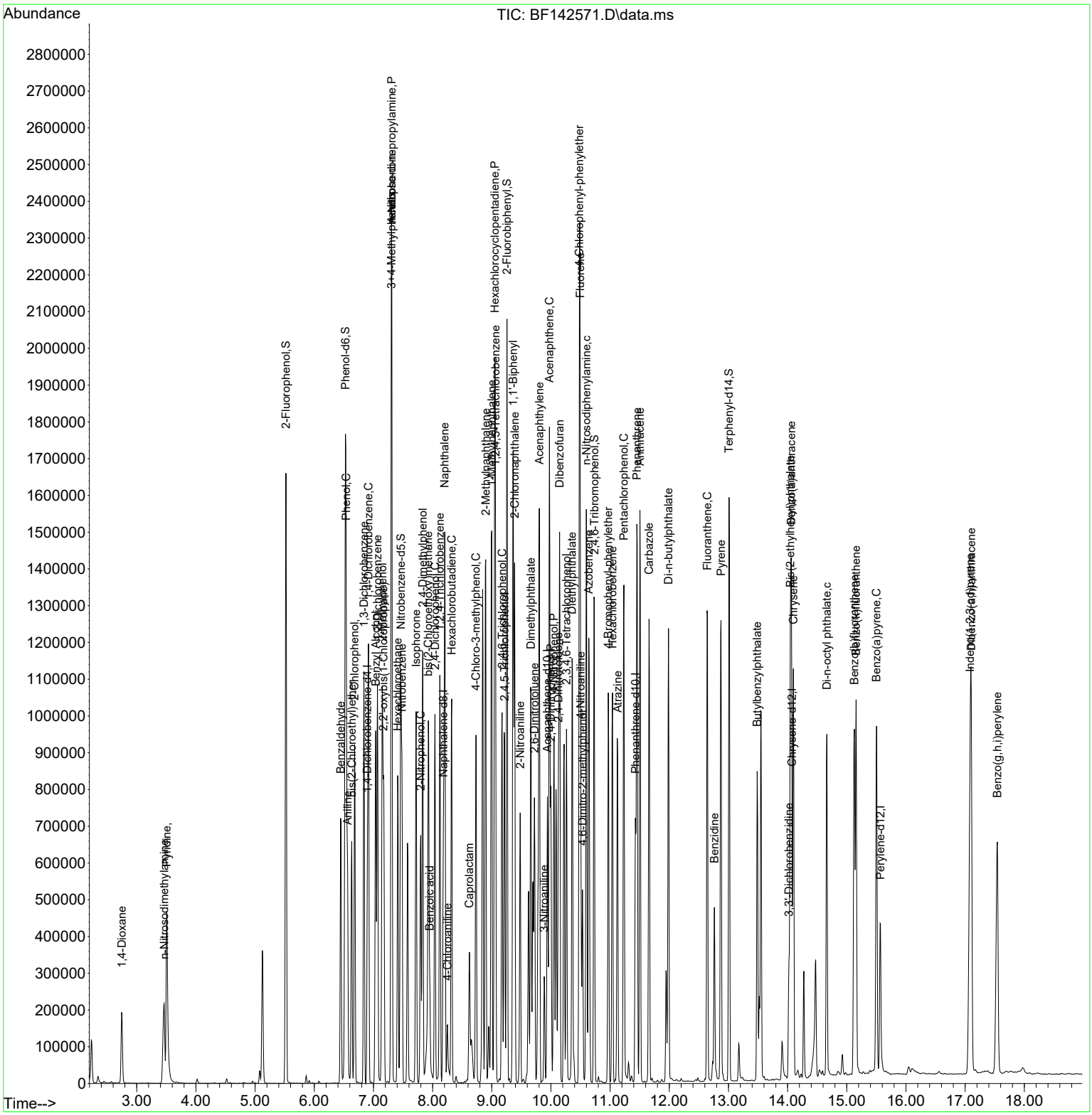
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.216	196	209342	43.293	ng	97
46) 1,1'-Biphenyl	9.363	154	792558	43.129	ng	100
47) 2-Chloronaphthalene	9.386	162	588404	43.338	ng	99
48) 2-Nitroaniline	9.481	65	166305	42.377	ng	97
49) Acenaphthylene	9.804	152	978892	42.698	ng	100
50) Dimethylphthalate	9.663	163	676381	43.277	ng	99
51) 2,6-Dinitrotoluene	9.722	165	148602	44.053	ng	97
52) Acenaphthene	9.975	154	643854	45.992	ng	100
53) 3-Nitroaniline	9.886	138	67401	18.294	ng	99
54) 2,4-Dinitrophenol	9.998	184	161261	92.532	ng	92
55) Dibenzofuran	10.145	168	849661	42.177	ng	99
56) 4-Nitrophenol	10.051	139	237434	87.339	ng	97
57) 2,4-Dinitrotoluene	10.128	165	197146	44.751	ng	99
58) Fluorene	10.492	166	644831	41.433	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.263	232	171201	42.410	ng	100
60) Diethylphthalate	10.357	149	637907	41.791	ng	100
61) 4-Chlorophenyl-phenyle...	10.481	204	318453	41.653	ng	97
62) 4-Nitroaniline	10.504	138	141774	42.427	ng	98
63) Azobenzene	10.639	77	611242	44.583	ng	98
65) 4,6-Dinitro-2-methylph...	10.533	198	103049	48.726	ng	98
66) n-Nitrosodiphenylamine	10.598	169	566216	43.673	ng	100
67) 4-Bromophenyl-phenylether	10.969	248	192434	42.946	ng	99
68) Hexachlorobenzene	11.039	284	213538	43.087	ng	98
69) Atrazine	11.128	200	164223	47.696	ng	99
70) Pentachlorophenol	11.233	266	235596	84.200	ng	99
71) Phenanthrene	11.451	178	847323	41.839	ng	100
72) Anthracene	11.504	178	875823	42.374	ng	100
73) Carbazole	11.657	167	742117	42.000	ng	99
74) Di-n-butylphthalate	11.986	149	879121	45.454	ng	100
75) Fluoranthene	12.645	202	773487	40.874	ng	99
77) Benzidine	12.763	184	265343	34.182	ng	99
78) Pyrene	12.874	202	751841	38.637	ng	100
80) Butylbenzylphthalate	13.486	149	280690	52.203	ng	99
81) Benzo(a)anthracene	14.063	228	612892	44.000	ng	99
82) 3,3'-Dichlorobenzidine	14.021	252	92517	21.898	ng	99
83) Chrysene	14.098	228	536134	42.835	ng	99
84) Bis(2-ethylhexyl)phtha...	14.045	149	383177	55.668	ng	99
85) Di-n-octyl phthalate	14.663	149	659017	48.965	ng	99
87) Indeno(1,2,3-cd)pyrene	17.086	276	773974	42.419	ng	99
88) Benzo(b)fluoranthene	15.127	252	610821	42.465	ng	99
89) Benzo(k)fluoranthene	15.157	252	581284	43.147	ng	98
90) Benzo(a)pyrene	15.504	252	600806	44.312	ng	99
91) Dibenzo(a,h)anthracene	17.104	278	634178	42.855	ng	100
92) Benzo(g,h,i)perylene	17.545	276	619254	41.838	ng	98

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053025\
Data File : BF142571.D
Acq On : 30 May 2025 15:50
Operator : RC/JU
Sample : Q2150-09MS
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-54MS

Quant Time: May 30 17:24:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053025\
Data File : BF142572.D
Acq On : 30 May 2025 16:19
Operator : RC/JU
Sample : Q2150-09MSD
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-54MSD

Quant Time: May 30 17:25:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	119675	20.000	ng	0.00
21) Naphthalene-d8	8.187	136	451884	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	233525	20.000	ng	0.00
64) Phenanthrene-d10	11.428	188	376587	20.000	ng	0.00
76) Chrysene-d12	14.074	240	204232	20.000	ng	0.00
86) Perylene-d12	15.568	264	234981	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	626206	88.156	ng	0.00
7) Phenol-d6	6.528	99	774467	90.572	ng	0.00
23) Nitrobenzene-d5	7.463	82	460687	55.591	ng	-0.01
42) 2,4,6-Tribromophenol	10.733	330	245306	94.646	ng	0.00
45) 2-Fluorobiphenyl	9.257	172	923939	53.091	ng	-0.01
79) Terphenyl-d14	13.010	244	787087	52.665	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.746	88	107868	37.948	ng	99
3) Pyridine	3.504	79	294169	40.639	ng	99
4) n-Nitrosodimethylamine	3.457	42	158199	42.092	ng	94
6) Aniline	6.563	93	315467	27.438	ng	100
8) 2-Chlorophenol	6.681	128	330816	42.757	ng	98
9) Benzaldehyde	6.451	77	188917	36.733	ng	99
10) Phenol	6.540	94	399774	41.550	ng	99
11) bis(2-Chloroethyl)ether	6.634	93	297241	42.917	ng	99
12) 1,3-Dichlorobenzene	6.840	146	361346	41.854	ng	99
13) 1,4-Dichlorobenzene	6.916	146	360999	41.510	ng	99
14) 1,2-Dichlorobenzene	7.069	146	352553	42.366	ng	99
15) Benzyl Alcohol	7.040	79	264525	41.862	ng	97
16) 2,2'-oxybis(1-Chloropr...	7.169	45	487250	41.893	ng	97
17) 2-Methylphenol	7.151	107	254267	42.092	ng	100
18) Hexachloroethane	7.410	117	126375	41.616	ng	98
19) n-Nitroso-di-n-propyla...	7.310	70	213930	40.369	ng	99
20) 3+4-Methylphenols	7.304	107	316160	40.870	ng	96
22) Acetophenone	7.310	105	422319	42.218	ng	99
24) Nitrobenzene	7.481	77	322834	43.193	ng	100
25) Isophorone	7.722	82	577626	41.690	ng	98
26) 2-Nitrophenol	7.798	139	179840	45.031	ng	96
27) 2,4-Dimethylphenol	7.834	122	305712	43.407	ng	98
28) bis(2-Chloroethoxy)met...	7.928	93	370438	42.800	ng	99
29) 2,4-Dichlorophenol	8.039	162	272520	42.548	ng	99
30) 1,2,4-Trichlorobenzene	8.122	180	297632	42.817	ng	98
31) Naphthalene	8.204	128	949483	42.672	ng	100
32) Benzoic acid	7.951	122	192119	44.812	ng	95
33) 4-Chloroaniline	8.251	127	90517	10.040	ng	98
34) Hexachlorobutadiene	8.322	225	182076	41.950	ng	99
35) Caprolactam	8.622	113	85172m	47.347	ng	
36) 4-Chloro-3-methylphenol	8.734	107	272050	41.445	ng	97
37) 2-Methylnaphthalene	8.898	142	572580	40.904	ng	99
38) 1-Methylnaphthalene	8.998	142	592334	40.908	ng	100
40) 1,2,4,5-Tetrachloroben...	9.063	216	295710	44.113	ng	99
41) Hexachlorocyclopentadiene	9.051	237	367045	81.167	ng	99
43) 2,4,6-Trichlorophenol	9.175	196	199370	44.106	ng	97

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053025\
Data File : BF142572.D
Acq On : 30 May 2025 16:19
Operator : RC/JU
Sample : Q2150-09MSD
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-54MSD

Quant Time: May 30 17:25:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration

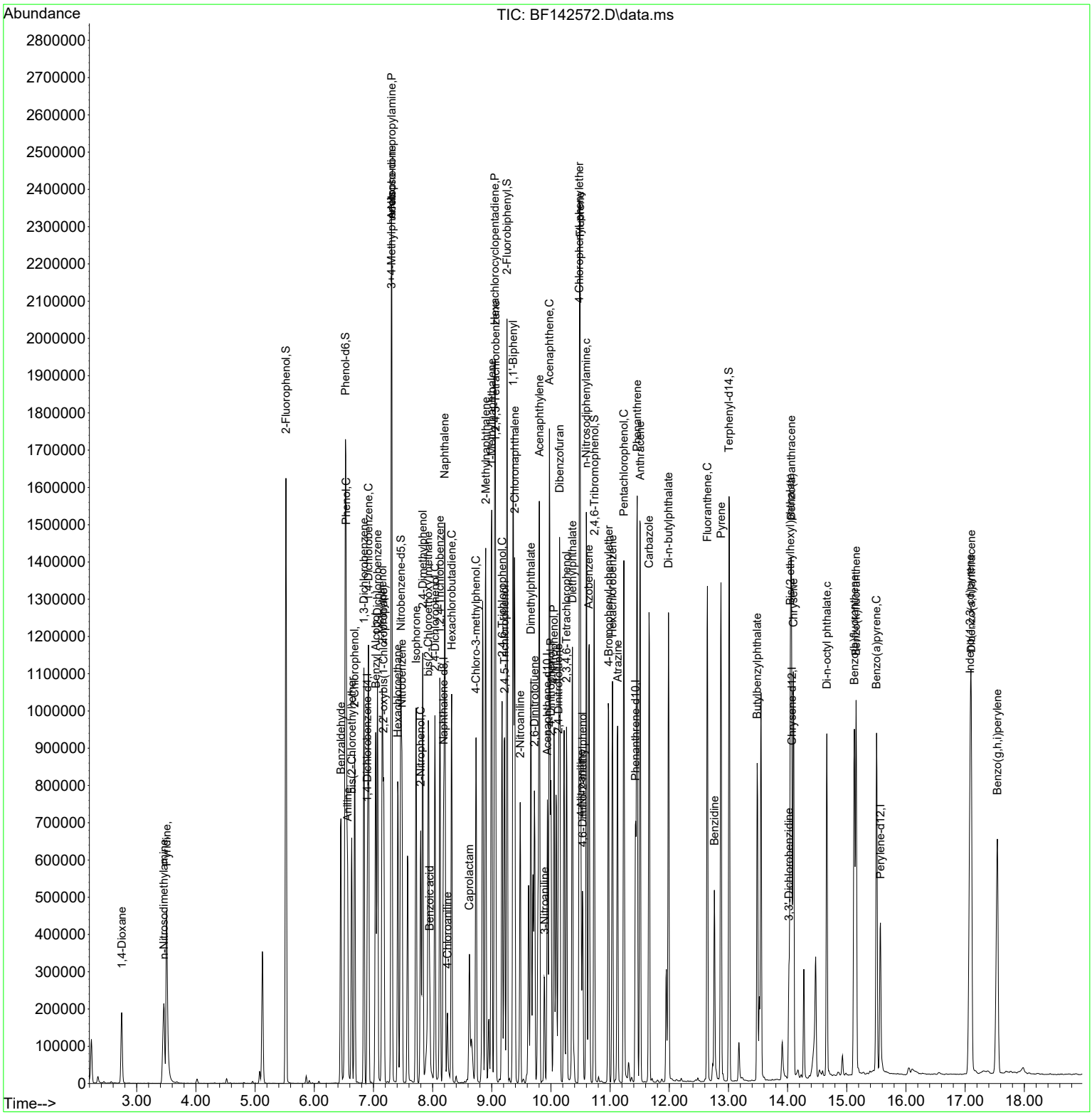
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.216	196	206416	43.298	ng		97
46) 1,1'-Biphenyl	9.363	154	782223	43.175	ng		100
47) 2-Chloronaphthalene	9.386	162	580508	43.368	ng		98
48) 2-Nitroaniline	9.481	65	169375	43.777	ng		98
49) Acenaphthylene	9.804	152	966376	42.755	ng		100
50) Dimethylphthalate	9.663	163	663411	43.054	ng		100
51) 2,6-Dinitrotoluene	9.722	165	146601	44.081	ng		99
52) Acenaphthene	9.975	154	647101	46.885	ng		98
53) 3-Nitroaniline	9.892	138	68290	18.800	ng		96
54) 2,4-Dinitrophenol	9.998	184	162358	94.494	ng		93
55) Dibenzofuran	10.145	168	835708	42.078	ng		99
56) 4-Nitrophenol	10.051	139	232388	86.705	ng		98
57) 2,4-Dinitrotoluene	10.128	165	196609	45.268	ng		100
58) Fluorene	10.492	166	644728	42.019	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.263	232	166679	41.881	ng		98
60) Diethylphthalate	10.363	149	645000	42.860	ng		99
61) 4-Chlorophenyl-phenyle...	10.480	204	314568	41.734	ng		98
62) 4-Nitroaniline	10.510	138	141101	42.830	ng		96
63) Azobenzene	10.639	77	613439	45.384	ng		99
65) 4,6-Dinitro-2-methylph...	10.533	198	102404	48.726	ng		99
66) n-Nitrosodiphenylamine	10.598	169	558179	43.324	ng		99
67) 4-Bromophenyl-phenylether	10.975	248	192522	43.235	ng		98
68) Hexachlorobenzene	11.039	284	212135	43.073	ng		99
69) Atrazine	11.128	200	166454	48.648	ng		100
70) Pentachlorophenol	11.233	266	236131	84.922	ng		100
71) Phenanthrene	11.457	178	866540	43.057	ng		100
72) Anthracene	11.510	178	876073	42.653	ng		100
73) Carbazole	11.657	167	760532	43.312	ng		100
74) Di-n-butylphthalate	11.986	149	894989	46.565	ng		100
75) Fluoranthene	12.645	202	782953	41.635	ng		99
77) Benzidine	12.763	184	279867	36.824	ng		99
78) Pyrene	12.874	202	777772	40.824	ng		100
80) Butylbenzylphthalate	13.486	149	285871	54.303	ng		100
81) Benzo(a)anthracene	14.063	228	596751	43.758	ng		99
82) 3,3'-Dichlorobenzidine	14.021	252	88980	21.511	ng		98
83) Chrysene	14.098	228	538958	43.981	ng		99
84) Bis(2-ethylhexyl)phtha...	14.045	149	378894	56.222	ng		99
85) Di-n-octyl phthalate	14.663	149	640360	48.596	ng	#	100
87) Indeno(1,2,3-cd)pyrene	17.086	276	753995	42.741	ng		99
88) Benzo(b)fluoranthene	15.127	252	582813	41.907	ng		99
89) Benzo(k)fluoranthene	15.157	252	593433	45.559	ng		99
90) Benzo(a)pyrene	15.504	252	584344	44.576	ng		99
91) Dibenzo(a,h)anthracene	17.104	278	611507	42.740	ng		99
92) Benzo(g,h,i)perylene	17.545	276	599741	41.909	ng		98

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053025\
Data File : BF142572.D
Acq On : 30 May 2025 16:19
Operator : RC/JU
Sample : Q2150-09MSD
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-54MSD

Quant Time: May 30 17:25:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration



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

Manual Integration Report

Sequence:	bf052025	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC010	BF142469.D	Benzoic acid	Rahul	5/21/2025 2:07:30 PM	Jagrut	5/21/2025 4:43:55 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	bf053025	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PB168211BS	BF142568.D	Caprolactam	Rahul	6/2/2025 9:37:32 AM	Jagrut	6/2/2025 11:12:45 AM	Peak Integrated by Software
Q2150-09MS	BF142571.D	Caprolactam	Rahul	6/2/2025 9:37:36 AM	Jagrut	6/2/2025 11:12:47 AM	Peak Integrated by Software
Q2150-09MSD	BF142572.D	Caprolactam	Rahul	6/2/2025 9:37:39 AM	Jagrut	6/2/2025 11:12:50 AM	Peak Integrated by Software
Q2150-03	BF142580.D	Benzo(b)fluoranthene	Rahul	6/2/2025 9:37:55 AM	Jagrut	6/2/2025 11:13:22 AM	Peak Integrated by Software
Q2150-02	BF142583.D	Benzo(b)fluoranthene	Rahul	6/2/2025 9:37:58 AM	Jagrut	6/2/2025 11:13:24 AM	Peak Integrated by Software
Q2150-06	BF142584.D	Benzo(b)fluoranthene	Rahul	6/2/2025 9:38:01 AM	Jagrut	6/2/2025 11:13:26 AM	Peak Integrated by Software
Q2150-06	BF142584.D	Benzo(k)fluoranthene	Rahul	6/2/2025 9:38:01 AM	Jagrut	6/2/2025 11:13:26 AM	Peak Integrated by Software
Q2150-08	BF142585.D	Benzo(b)fluoranthene	Rahul	6/2/2025 9:38:05 AM	Jagrut	6/2/2025 11:13:28 AM	Peak Integrated by Software
Q2150-08	BF142585.D	Benzo(k)fluoranthene	Rahul	6/2/2025 9:38:05 AM	Jagrut	6/2/2025 11:13:28 AM	Peak Integrated by Software
Q2150-01	BF142586.D	Benzo(b)fluoranthene	Rahul	6/2/2025 9:38:08 AM	Jagrut	6/2/2025 11:13:31 AM	Peak Integrated by Software
Q2150-01	BF142586.D	Benzo(k)fluoranthene	Rahul	6/2/2025 9:38:08 AM	Jagrut	6/2/2025 11:13:31 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	BF060225	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2150-01DL	BF142598.D	Benzo(b)fluoranthene	Rahul	6/3/2025 1:29:44 PM	Jagrut	6/3/2025 5:25:08 PM	Peak Integrated by Software
Q2150-01DL	BF142598.D	Benzo(k)fluoranthene	Rahul	6/3/2025 1:29:44 PM	Jagrut	6/3/2025 5:25:08 PM	Peak Integrated by Software

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Fax : 908 789 8922

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF052025

Review By	Rahul	Review On	5/21/2025 2:52:20 PM		
Supervise By	Jagrut	Supervise On	5/21/2025 4:44:06 PM		
SubDirectory	BF052025	HP Acquire Method	BNA_F	HP Processing Method	bf052025

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12665,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF142465.D	20 May 2025 11:13	RC/JU	Ok
2	SSTDCCC040	BF142466.D	20 May 2025 11:41	RC/JU	Not Ok
3	SSTDICC2.5	BF142467.D	20 May 2025 12:10	RC/JU	Ok
4	SSTDICC005	BF142468.D	20 May 2025 12:38	RC/JU	Ok
5	SSTDICC010	BF142469.D	20 May 2025 13:07	RC/JU	Ok,M
6	SSTDICC020	BF142470.D	20 May 2025 13:36	RC/JU	Ok
7	SSTDICCC040	BF142471.D	20 May 2025 14:05	RC/JU	Ok
8	SSTDICC050	BF142472.D	20 May 2025 14:34	RC/JU	Ok
9	SSTDICC060	BF142473.D	20 May 2025 15:03	RC/JU	Ok
10	SSTDICC080	BF142474.D	20 May 2025 15:31	RC/JU	Ok
11	SSTDICV040	BF142475.D	20 May 2025 16:31	RC/JU	Ok
12	PB168067TB	BF142476.D	20 May 2025 17:29	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 # BF053025

Review By	Rahul	Review On	6/2/2025 9:40:01 AM		
Supervise By	Jagrut	Supervise On	6/2/2025 11:13:47 AM		
SubDirectory	BF053025	HP Acquire Method	BNA_F	HP Processing Method	bf052025

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12667,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF142565.D	30 May 2025 12:23	RC/JU	Ok
2	SSTDCCC040	BF142566.D	30 May 2025 13:20	RC/JU	Ok
3	PB168211BL	BF142567.D	30 May 2025 13:49	RC/JU	Ok
4	PB168211BS	BF142568.D	30 May 2025 14:18	RC/JU	Ok,M
5	Q2150-05	BF142569.D	30 May 2025 14:52	RC/JU	Ok
6	Q2150-09	BF142570.D	30 May 2025 15:21	RC/JU	Ok
7	Q2150-09MS	BF142571.D	30 May 2025 15:50	RC/JU	Ok,M
8	Q2150-09MSD	BF142572.D	30 May 2025 16:19	RC/JU	Ok,M
9	Q2151-01	BF142573.D	30 May 2025 16:49	RC/JU	Ok
10	Q2136-05	BF142574.D	30 May 2025 17:18	RC/JU	Ok
11	Q2136-05MS	BF142575.D	30 May 2025 17:47	RC/JU	Ok,M
12	Q2136-05MSD	BF142576.D	30 May 2025 18:16	RC/JU	Ok,M
13	Q2146-04	BF142577.D	30 May 2025 18:46	RC/JU	Ok
14	Q2151-04	BF142578.D	30 May 2025 19:15	RC/JU	Ok,M
15	Q2150-07	BF142579.D	30 May 2025 19:45	RC/JU	Ok
16	Q2150-03	BF142580.D	30 May 2025 20:14	RC/JU	Ok,M
17	Q2150-04	BF142581.D	30 May 2025 20:43	RC/JU	Ok
18	Q2150-10	BF142582.D	30 May 2025 21:13	RC/JU	Ok
19	Q2150-02	BF142583.D	30 May 2025 21:42	RC/JU	Ok,M
20	Q2150-06	BF142584.D	30 May 2025 22:11	RC/JU	Ok,M
21	Q2150-08	BF142585.D	30 May 2025 22:41	RC/JU	Ok,M

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF053025

Review By	Rahul	Review On	6/2/2025 9:40:01 AM				
Supervise By	Jagrut	Supervise On	6/2/2025 11:13:47 AM				
SubDirectory	BF053025	HP Acquire Method	BNA_F		HP Processing Method	bf052025	

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12667,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q2150-01	BF142586.D	30 May 2025 23:10	RC/JU	Dilution
23	Q2153-01	BF142587.D	30 May 2025 23:41	RC/JU	Ok,M
24	Q2152-01	BF142588.D	31 May 2025 00:10	RC/JU	Ok,M

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF060225

Review By	Rahul	Review On	6/3/2025 1:30:43 PM		
Supervise By	Jagrut	Supervise On	6/3/2025 5:25:27 PM		
SubDirectory	BF060225	HP Acquire Method	BNA_F	HP Processing Method	bf052025

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12667,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF142589.D	02 Jun 2025 11:01	RC/JU	Ok
2	SSTDCCC040	BF142590.D	02 Jun 2025 11:30	RC/JU	Ok
3	PB168219BL	BF142591.D	02 Jun 2025 11:59	RC/JU	Ok
4	PB168219BS	BF142592.D	02 Jun 2025 12:28	RC/JU	Ok,M
5	PB168190TB	BF142593.D	02 Jun 2025 12:57	RC/JU	Ok
6	PB168235BL	BF142594.D	02 Jun 2025 13:26	RC/JU	Ok
7	PB168235BS	BF142595.D	02 Jun 2025 13:54	RC/JU	Ok,M
8	PB168235BSD	BF142596.D	02 Jun 2025 14:23	RC/JU	Ok,M
9	Q2134-01	BF142597.D	02 Jun 2025 15:05	RC/JU	Ok
10	Q2150-01DL	BF142598.D	02 Jun 2025 15:34	RC/JU	Ok,M
11	Q2149-01	BF142599.D	02 Jun 2025 16:03	RC/JU	Dilution
12	Q2149-01DL	BF142600.D	02 Jun 2025 17:11	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 # BF052025

Review By	Rahul	Review On	5/21/2025 2:52:20 PM		
Supervise By	Jagrut	Supervise On	5/21/2025 4:44:06 PM		
SubDirectory	BF052025	HP Acquire Method	BNA_F	HP Processing Method	bf052025

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12665,10ul/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	BF142465.D	20 May 2025 11:13		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF142466.D	20 May 2025 11:41	Fresh Calibration Required	RC/JU	Not Ok
3	SSTDICC2.5	SSTDICC2.5	BF142467.D	20 May 2025 12:10		RC/JU	Ok
4	SSTDICC005	SSTDICC005	BF142468.D	20 May 2025 12:38	Compound #32,54,85 removed from 5ppm	RC/JU	Ok
5	SSTDICC010	SSTDICC010	BF142469.D	20 May 2025 13:07		RC/JU	Ok,M
6	SSTDICC020	SSTDICC020	BF142470.D	20 May 2025 13:36		RC/JU	Ok
7	SSTDICCC040	SSTDICCC040	BF142471.D	20 May 2025 14:05	This calibration is good for both the methods, 8270E DOD and 625.1.	RC/JU	Ok
8	SSTDICC050	SSTDICC050	BF142472.D	20 May 2025 14:34		RC/JU	Ok
9	SSTDICC060	SSTDICC060	BF142473.D	20 May 2025 15:03		RC/JU	Ok
10	SSTDICC080	SSTDICC080	BF142474.D	20 May 2025 15:31		RC/JU	Ok
11	SSTDICV040	ICVBF052025	BF142475.D	20 May 2025 16:31		RC/JU	Ok
12	PB168067TB	PB168067TB	BF142476.D	20 May 2025 17:29		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 # BF053025

Review By	Rahul	Review On	6/2/2025 9:40:01 AM		
Supervise By	Jagrut	Supervise On	6/2/2025 11:13:47 AM		
SubDirectory	BF053025	HP Acquire Method	BNA_F	HP Processing Method	bf052025

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12667,10ul/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	BF142565.D	30 May 2025 12:23		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF142566.D	30 May 2025 13:20		RC/JU	Ok
3	PB168211BL	PB168211BL	BF142567.D	30 May 2025 13:49		RC/JU	Ok
4	PB168211BS	PB168211BS	BF142568.D	30 May 2025 14:18		RC/JU	Ok,M
5	Q2150-05	TP-47	BF142569.D	30 May 2025 14:52		RC/JU	Ok
6	Q2150-09	TP-54	BF142570.D	30 May 2025 15:21		RC/JU	Ok
7	Q2150-09MS	TP-54MS	BF142571.D	30 May 2025 15:50		RC/JU	Ok,M
8	Q2150-09MSD	TP-54MSD	BF142572.D	30 May 2025 16:19		RC/JU	Ok,M
9	Q2151-01	WC-1	BF142573.D	30 May 2025 16:49		RC/JU	Ok
10	Q2136-05	OR-646-COMP-52	BF142574.D	30 May 2025 17:18		RC/JU	Ok
11	Q2136-05MS	OR-646-COMP-52MS	BF142575.D	30 May 2025 17:47		RC/JU	Ok,M
12	Q2136-05MSD	OR-646-COMP-52MSD	BF142576.D	30 May 2025 18:16		RC/JU	Ok,M
13	Q2146-04	TP04-MHN-WC	BF142577.D	30 May 2025 18:46		RC/JU	Ok
14	Q2151-04	WC-1	BF142578.D	30 May 2025 19:15		RC/JU	Ok,M
15	Q2150-07	TP-51	BF142579.D	30 May 2025 19:45		RC/JU	Ok
16	Q2150-03	TP-39	BF142580.D	30 May 2025 20:14		RC/JU	Ok,M
17	Q2150-04	TP-48	BF142581.D	30 May 2025 20:43		RC/JU	Ok
18	Q2150-10	TP-53	BF142582.D	30 May 2025 21:13		RC/JU	Ok

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Fax : 908 789 8922

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF053025

Review By	Rahul	Review On	6/2/2025 9:40:01 AM		
Supervise By	Jagrut	Supervise On	6/2/2025 11:13:47 AM		
SubDirectory	BF053025	HP Acquire Method	BNA_F	HP Processing Method	bf052025

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12667,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q2150-02	TP-42	BF142583.D	30 May 2025 21:42		RC/JU	Ok,M
20	Q2150-06	TP-50	BF142584.D	30 May 2025 22:11		RC/JU	Ok,M
21	Q2150-08	TP-52	BF142585.D	30 May 2025 22:41		RC/JU	Ok,M
22	Q2150-01	TP-44	BF142586.D	30 May 2025 23:10	Need 5X Dilution	RC/JU	Dilution
23	Q2153-01	TR-04-0592025	BF142587.D	30 May 2025 23:41		RC/JU	Ok,M
24	Q2152-01	OK-02-05292025	BF142588.D	31 May 2025 00:10		RC/JU	Ok,M

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF060225

Review By	Rahul	Review On	6/3/2025 1:30:43 PM		
Supervise By	Jagrut	Supervise On	6/3/2025 5:25:27 PM		
SubDirectory	BF060225	HP Acquire Method	BNA_F	HP Processing Method	bf052025

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12667,10ul/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	BF142589.D	02 Jun 2025 11:01		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF142590.D	02 Jun 2025 11:30		RC/JU	Ok
3	PB168219BL	PB168219BL	BF142591.D	02 Jun 2025 11:59		RC/JU	Ok
4	PB168219BS	PB168219BS	BF142592.D	02 Jun 2025 12:28		RC/JU	Ok,M
5	PB168190TB	PB168190TB	BF142593.D	02 Jun 2025 12:57		RC/JU	Ok
6	PB168235BL	PB168235BL	BF142594.D	02 Jun 2025 13:26		RC/JU	Ok
7	PB168235BS	PB168235BS	BF142595.D	02 Jun 2025 13:54		RC/JU	Ok,M
8	PB168235BSD	PB168235BSD	BF142596.D	02 Jun 2025 14:23		RC/JU	Ok,M
9	Q2134-01	MW10	BF142597.D	02 Jun 2025 15:05		RC/JU	Ok
10	Q2150-01DL	TP-44DL	BF142598.D	02 Jun 2025 15:34		RC/JU	Ok,M
11	Q2149-01	FILTER-CAKE	BF142599.D	02 Jun 2025 16:03	Need 5X Dilution	RC/JU	Dilution
12	Q2149-01DL	FILTER-CAKEDL	BF142600.D	02 Jun 2025 17:11		RC/JU	Ok

M : Manual Integration

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB168211

SOP ID:	M3541-ASE Extraction-14				
Clean Up SOP #:	N/A			**Extraction Start Date :**	05/30/2025
Matrix :	Solid			**Extraction Start Time :**	09:50
Weigh By:	EH	**Extraction By:**	RJ	**Extraction End Date :**	05/30/2025
Balance check:	RJ	**Filter By:**	RJ	**Extraction End Time :**	12:50
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	SP6782
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	EP2614
Sand	N/A	EP2865
Methylene Chloride	N/A	E3939
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 Vial 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
5/30/25	RS (Ext Lab)	RC/svor
12:55	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB168211

Analytical Method: M3541-ASE Extraction-14 **Concentration Date:** 05/30/2025

Sample ID	Client Sample ID	Test	g/ mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB168211BL	SBLK211	SVOC-TCL BNA -20	30.02	N/A	ritesh	Evelyn	1			U3-1
PB168211BS	SLCS211	SVOC-TCL BNA -20	30.01	N/A	ritesh	Evelyn	1			2
Q2150-01	TP-44	SVOC-TCL BNA -20	30.05	N/A	ritesh	Evelyn	1	E		3
Q2150-02	TP-42	SVOC-TCL BNA -20	30.06	N/A	ritesh	Evelyn	1	E		4
Q2150-03	TP-39	SVOC-TCL BNA -20	30.08	N/A	ritesh	Evelyn	1	E		5
Q2150-04	TP-48	SVOC-TCL BNA -20	30.05	N/A	ritesh	Evelyn	1	E		6
Q2150-05	TP-47	SVOC-TCL BNA -20	30.04	N/A	ritesh	Evelyn	1	E		U6-1
Q2150-06	TP-50	SVOC-TCL BNA -20	30.02	N/A	ritesh	Evelyn	1	E		2
Q2150-07	TP-51	SVOC-TCL BNA -20	30.03	N/A	ritesh	Evelyn	1	E		3
Q2150-08	TP-52	SVOC-TCL BNA -20	30.05	N/A	ritesh	Evelyn	1	E		4
Q2150-09	TP-54	SVOC-TCL BNA -20	30.01	N/A	ritesh	Evelyn	1	E		5
Q2150-09MS	TP-54MS	SVOC-TCL BNA -20	30.06	N/A	ritesh	Evelyn	1	E		6
Q2150-09MSD	TP-54MSD	SVOC-TCL BNA -20	30.04	N/A	ritesh	Evelyn	1	E		U2-1
Q2150-10	TP-53	SVOC-TCL BNA -20	30.05	N/A	ritesh	Evelyn	1	E		2
Q2151-01	WC-1	SVOC-TCL BNA -20	50.03	N/A	ritesh	Evelyn	1	E		3
Q2152-01	OK-02-05292025	SVOC-TCL BNA -20	50.06	N/A	ritesh	Evelyn	1	E		4
Q2153-01	TR-04-0592025	SVOC-TCL BNA -20	50.07	N/A	ritesh	Evelyn	1	E		5

RS 5/30

* **Extracts relinquished on the same date as received.**

Q2150 9:50

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q2152 **WorkList ID :** 189839 **Department :** Extraction **Date :** 05-30-2025 08:43:26

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2150-01	TP-44	Solid	SVOC-TCL BNA -20	Cool 4 deg C	CAMP02	L41	05/27/2025	8270E
Q2150-02	TP-42	Solid	SVOC-TCL BNA -20	Cool 4 deg C	CAMP02	L41	05/27/2025	8270E
Q2150-03	TP-39	Solid	SVOC-TCL BNA -20	Cool 4 deg C	CAMP02	L41	05/27/2025	8270E
Q2150-04	TP-48	Solid	SVOC-TCL BNA -20	Cool 4 deg C	CAMP02	L41	05/27/2025	8270E
Q2150-05	TP-47	Solid	SVOC-TCL BNA -20	Cool 4 deg C	CAMP02	L41	05/27/2025	8270E
Q2150-06	TP-50	Solid	SVOC-TCL BNA -20	Cool 4 deg C	CAMP02	L41	05/27/2025	8270E
Q2150-07	TP-51	Solid	SVOC-TCL BNA -20	Cool 4 deg C	CAMP02	L41	05/27/2025	8270E
Q2150-08	TP-52	Solid	SVOC-TCL BNA -20	Cool 4 deg C	CAMP02	L41	05/28/2025	8270E
Q2150-09	TP-54	Solid	SVOC-TCL BNA -20	Cool 4 deg C	CAMP02	L41	05/28/2025	8270E
Q2150-10	TP-53	Solid	SVOC-TCL BNA -20	Cool 4 deg C	CAMP02	L41	05/28/2025	8270E
Q2151-01	WC-1	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	L41	05/29/2025	8270E
Q2152-01	OK-02-05292025	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG05	L21	05/29/2025	8270E
Q2153-01	TR-04-0592025	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG05	L31	05/29/2025	8270E

775 of 1448

Date/Time 05/30/25 9:45
Raw Sample Received by: RJ (FedEx-Lab)
Raw Sample Relinquished by: SM

Date/Time 05/30/25 10:05
Raw Sample Received by: SM
Raw Sample Relinquished by: RJ (FedEx-Lab)

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LAB CHRONICLE

OrderID:	Q2150	**OrderDate:**	5/28/2025 3:53:00 PM
Client:	CDM Smith	**Project:**	South River WM Replacement
Contact:	Marcie Ann Encinas	**Location:**	L41,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2150-01	**TP-44**	**SOIL**			**05/27/25**			**05/28/25**
			SVOC-TCL BNA -20	8270E		05/30/25	05/30/25	
Q2150-01DL	**TP-44DL**	**SOIL**			**05/27/25**			**05/28/25**
			SVOC-TCL BNA -20	8270E		05/30/25	06/02/25	
Q2150-02	**TP-42**	**SOIL**			**05/27/25**			**05/28/25**
			SVOC-TCL BNA -20	8270E		05/30/25	05/30/25	
Q2150-03	**TP-39**	**SOIL**			**05/27/25**			**05/28/25**
			SVOC-TCL BNA -20	8270E		05/30/25	05/30/25	
Q2150-04	**TP-48**	**SOIL**			**05/27/25**			**05/28/25**
			SVOC-TCL BNA -20	8270E		05/30/25	05/30/25	
Q2150-05	**TP-47**	**SOIL**			**05/27/25**			**05/28/25**
			SVOC-TCL BNA -20	8270E		05/30/25	05/30/25	
Q2150-06	**TP-50**	**SOIL**			**05/27/25**			**05/28/25**
			SVOC-TCL BNA -20	8270E		05/30/25	05/30/25	
Q2150-07	**TP-51**	**SOIL**			**05/27/25**			**05/28/25**
			SVOC-TCL BNA -20	8270E		05/30/25	05/30/25	
Q2150-08	**TP-52**	**SOIL**			**05/28/25**			**05/28/25**
			SVOC-TCL BNA -20	8270E		05/30/25	05/30/25	
Q2150-09	**TP-54**	**SOIL**			**05/28/25**			**05/28/25**
			SVOC-TCL BNA -20	8270E		05/30/25	05/30/25	
Q2150-10	**TP-53**	**SOIL**			**05/28/25**			**05/28/25**
			SVOC-TCL BNA -20	8270E		05/30/25	05/30/25	

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Hit Summary Sheet
SW-846

SDG No.: Q2150 **Order ID:** Q2150

Client: CDM Smith **Project ID:** South River WM Replacement

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : TP-44								
Q2150-01	TP-44	SOIL	alpha-Chlordane	0.76	J	0.15	2.20	ug/kg
Q2150-01	TP-44	SOIL	gamma-Chlordane	0.30	J	0.19	2.20	ug/kg
			Total Concentration:	**1.060**				
Client ID : TP-50								
Q2150-06	TP-50	SOIL	alpha-Chlordane	1.40	JP	0.14	2.00	ug/kg
Q2150-06	TP-50	SOIL	gamma-Chlordane	0.80	JP	0.17	2.00	ug/kg
			Total Concentration:	**2.200**				

SAMPLE DATA

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-44	SDG No.:	Q2150
Lab Sample ID:	Q2150-01	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	78.9 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
PL095842.D	1	05/30/25 08:50	05/30/25 13:24	PB168209

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.16	U	0.16	2.20	ug/kg
319-85-7	beta-BHC	0.23	U	0.23	2.20	ug/kg
319-86-8	delta-BHC	0.49	U	0.49	2.20	ug/kg
58-89-9	gamma-BHC (Lindane)	0.18	U	0.18	2.20	ug/kg
76-44-8	Heptachlor	0.15	U	0.15	2.20	ug/kg
309-00-2	Aldrin	0.15	U	0.15	2.20	ug/kg
1024-57-3	Heptachlor epoxide	0.24	U	0.24	2.20	ug/kg
959-98-8	Endosulfan I	0.18	U	0.18	2.20	ug/kg
60-57-1	Dieldrin	0.18	U	0.18	2.20	ug/kg
72-55-9	4,4-DDE	0.18	U	0.18	2.20	ug/kg
72-20-8	Endrin	0.18	U	0.18	2.20	ug/kg
33213-65-9	Endosulfan II	0.37	U	0.37	2.20	ug/kg
72-54-8	4,4-DDD	0.19	U	0.19	2.20	ug/kg
1031-07-8	Endosulfan Sulfate	0.16	U	0.16	2.20	ug/kg
50-29-3	4,4-DDT	0.18	U	0.18	2.20	ug/kg
72-43-5	Methoxychlor	0.47	U	0.47	2.20	ug/kg
53494-70-5	Endrin ketone	0.24	U	0.24	2.20	ug/kg
7421-93-4	Endrin aldehyde	0.47	U	0.47	2.20	ug/kg
5103-71-9	alpha-Chlordane	0.76	J	0.15	2.20	ug/kg
5103-74-2	gamma-Chlordane	0.30	J	0.19	2.20	ug/kg
8001-35-2	Toxaphene	6.80	U	6.80	41.8	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	8.77		20 - 144	44%	SPK: 20
877-09-8	Tetrachloro-m-xylene	11.5		19 - 148	58%	SPK: 20

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-44	SDG No.:	Q2150
Lab Sample ID:	Q2150-01	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	78.9 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
PL095842.D	1	05/30/25 08:50	05/30/25 13:24	PB168209

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:	CDM Smith	Date Collected:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-42	SDG No.:	Q2150
Lab Sample ID:	Q2150-02	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	86.2 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
PL095843.D	1	05/30/25 08:50	05/30/25 13:38	PB168209

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	0.16	U	0.16	2.00	ug/kg
72-20-8	Endrin	0.16	U	0.16	2.00	ug/kg
33213-65-9	Endosulfan II	0.34	U	0.34	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	0.16	U	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	0.14	U	0.14	2.00	ug/kg
5103-74-2	gamma-Chlordane	0.17	U	0.17	2.00	ug/kg
8001-35-2	Toxaphene	6.30	U	6.30	38.2	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	8.23		20 - 144	41%	SPK: 20
877-09-8	Tetrachloro-m-xylene	12.3		19 - 148	62%	SPK: 20

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-42	SDG No.:	Q2150
Lab Sample ID:	Q2150-02	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	86.2 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
PL095843.D	1	05/30/25 08:50	05/30/25 13:38	PB168209

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:	CDM Smith	Date Collected:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-39	SDG No.:	Q2150
Lab Sample ID:	Q2150-03	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	83.7 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
PL095844.D	1	05/30/25 08:50	05/30/25 13:51	PB168209

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	0.46	U	0.46	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	0.15	U	0.15	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	6.40	U	6.40	39.3	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	9.19		20 - 144	46%	SPK: 20
877-09-8	Tetrachloro-m-xylene	17.4		19 - 148	87%	SPK: 20

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-39	SDG No.:	Q2150
Lab Sample ID:	Q2150-03	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	83.7 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
PL095844.D	1	05/30/25 08:50	05/30/25 13:51	PB168209

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:	CDM Smith	Date Collected:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-48	SDG No.:	Q2150
Lab Sample ID:	Q2150-04	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	80.7 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
PL095845.D	1	05/30/25 08:50	05/30/25 14:05	PB168209

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.16	U	0.16	2.10	ug/kg
319-85-7	beta-BHC	0.22	U	0.22	2.10	ug/kg
319-86-8	delta-BHC	0.48	U	0.48	2.10	ug/kg
58-89-9	gamma-BHC (Lindane)	0.17	U	0.17	2.10	ug/kg
76-44-8	Heptachlor	0.15	U	0.15	2.10	ug/kg
309-00-2	Aldrin	0.15	U	0.15	2.10	ug/kg
1024-57-3	Heptachlor epoxide	0.24	U	0.24	2.10	ug/kg
959-98-8	Endosulfan I	0.17	U	0.17	2.10	ug/kg
60-57-1	Dieldrin	0.17	U	0.17	2.10	ug/kg
72-55-9	4,4-DDE	0.17	U	0.17	2.10	ug/kg
72-20-8	Endrin	0.17	U	0.17	2.10	ug/kg
33213-65-9	Endosulfan II	0.36	U	0.36	2.10	ug/kg
72-54-8	4,4-DDD	0.19	U	0.19	2.10	ug/kg
1031-07-8	Endosulfan Sulfate	0.16	U	0.16	2.10	ug/kg
50-29-3	4,4-DDT	0.17	U	0.17	2.10	ug/kg
72-43-5	Methoxychlor	0.46	U	0.46	2.10	ug/kg
53494-70-5	Endrin ketone	0.24	U	0.24	2.10	ug/kg
7421-93-4	Endrin aldehyde	0.46	U	0.46	2.10	ug/kg
5103-71-9	alpha-Chlordane	0.15	U	0.15	2.10	ug/kg
5103-74-2	gamma-Chlordane	0.19	U	0.19	2.10	ug/kg
8001-35-2	Toxaphene	6.70	U	6.70	40.8	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	8.61		20 - 144	43%	SPK: 20
877-09-8	Tetrachloro-m-xylene	10.1		19 - 148	50%	SPK: 20

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-48	SDG No.:	Q2150
Lab Sample ID:	Q2150-04	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	80.7 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
PL095845.D	1	05/30/25 08:50	05/30/25 14:05	PB168209

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:	CDM Smith	Date Collected:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-47	SDG No.:	Q2150
Lab Sample ID:	Q2150-05	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	81 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
PL095846.D	1	05/30/25 08:50	05/30/25 14:18	PB168209

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.16	U	0.16	2.10	ug/kg
319-85-7	beta-BHC	0.22	U	0.22	2.10	ug/kg
319-86-8	delta-BHC	0.48	U	0.48	2.10	ug/kg
58-89-9	gamma-BHC (Lindane)	0.17	U	0.17	2.10	ug/kg
76-44-8	Heptachlor	0.15	U	0.15	2.10	ug/kg
309-00-2	Aldrin	0.15	U	0.15	2.10	ug/kg
1024-57-3	Heptachlor epoxide	0.23	U	0.23	2.10	ug/kg
959-98-8	Endosulfan I	0.17	U	0.17	2.10	ug/kg
60-57-1	Dieldrin	0.17	U	0.17	2.10	ug/kg
72-55-9	4,4-DDE	0.17	U	0.17	2.10	ug/kg
72-20-8	Endrin	0.17	U	0.17	2.10	ug/kg
33213-65-9	Endosulfan II	0.36	U	0.36	2.10	ug/kg
72-54-8	4,4-DDD	0.18	U	0.18	2.10	ug/kg
1031-07-8	Endosulfan Sulfate	0.16	U	0.16	2.10	ug/kg
50-29-3	4,4-DDT	0.17	U	0.17	2.10	ug/kg
72-43-5	Methoxychlor	0.46	U	0.46	2.10	ug/kg
53494-70-5	Endrin ketone	0.23	U	0.23	2.10	ug/kg
7421-93-4	Endrin aldehyde	0.46	U	0.46	2.10	ug/kg
5103-71-9	alpha-Chlordane	0.15	U	0.15	2.10	ug/kg
5103-74-2	gamma-Chlordane	0.18	U	0.18	2.10	ug/kg
8001-35-2	Toxaphene	6.70	U	6.70	40.7	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	11.4		20 - 144	57%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.4		19 - 148	92%	SPK: 20

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-47	SDG No.:	Q2150
Lab Sample ID:	Q2150-05	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	81 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
PL095846.D	1	05/30/25 08:50	05/30/25 14:18	PB168209

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:	CDM Smith	Date Collected:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-50	SDG No.:	Q2150
Lab Sample ID:	Q2150-06	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	86 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
PL095847.D	1	05/30/25 08:50	05/30/25 14:32	PB168209

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	0.16	U	0.16	2.00	ug/kg
72-20-8	Endrin	0.16	U	0.16	2.00	ug/kg
33213-65-9	Endosulfan II	0.34	U	0.34	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	0.16	U	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	1.40	JP	0.14	2.00	ug/kg
5103-74-2	gamma-Chlordane	0.80	JP	0.17	2.00	ug/kg
8001-35-2	Toxaphene	6.30	U	6.30	38.3	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	10.6		20 - 144	53%	SPK: 20
877-09-8	Tetrachloro-m-xylene	12.8		19 - 148	64%	SPK: 20

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-50	SDG No.:	Q2150
Lab Sample ID:	Q2150-06	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	86 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
PL095847.D	1	05/30/25 08:50	05/30/25 14:32	PB168209

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:	CDM Smith	Date Collected:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-51	SDG No.:	Q2150
Lab Sample ID:	Q2150-07	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	83.7 Decanted:
Sample Wt/Vol:	30.07 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
PL095848.D	1	05/30/25 08:50	05/30/25 14:46	PB168209

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	0.21	U	0.21	2.00	ug/kg
319-86-8	delta-BHC	0.46	U	0.46	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	6.40	U	6.40	39.3	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	10.6		20 - 144	53%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.4		19 - 148	92%	SPK: 20

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-51	SDG No.:	Q2150
Lab Sample ID:	Q2150-07	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	83.7 Decanted:
Sample Wt/Vol:	30.07 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
PL095848.D	1	05/30/25 08:50	05/30/25 14:46	PB168209

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:	CDM Smith	Date Collected:	05/28/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-52	SDG No.:	Q2150
Lab Sample ID:	Q2150-08	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	85.7 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
PL095851.D	1	05/30/25 08:50	05/30/25 15:26	PB168209

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	0.16	U	0.16	2.00	ug/kg
72-20-8	Endrin	0.16	U	0.16	2.00	ug/kg
33213-65-9	Endosulfan II	0.34	U	0.34	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	0.16	U	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	0.14	U	0.14	2.00	ug/kg
5103-74-2	gamma-Chlordane	0.17	U	0.17	2.00	ug/kg
8001-35-2	Toxaphene	6.30	U	6.30	38.5	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	7.81		20 - 144	39%	SPK: 20
877-09-8	Tetrachloro-m-xylene	12.0		19 - 148	60%	SPK: 20

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/28/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-52	SDG No.:	Q2150
Lab Sample ID:	Q2150-08	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	85.7 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
PL095851.D	1	05/30/25 08:50	05/30/25 15:26	PB168209

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:	CDM Smith	Date Collected:	05/28/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-54	SDG No.:	Q2150
Lab Sample ID:	Q2150-09	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	83.6 Decanted:
Sample Wt/Vol:	30.09 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
PL095852.D	1	05/30/25 08:50	05/30/25 15:40	PB168209

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	0.21	U	0.21	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	39.4	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	10.7		20 - 144	53%	SPK: 20
877-09-8	Tetrachloro-m-xylene	16.2		19 - 148	81%	SPK: 20

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/28/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-54	SDG No.:	Q2150
Lab Sample ID:	Q2150-09	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	83.6 Decanted:
Sample Wt/Vol:	30.09 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
PL095852.D	1	05/30/25 08:50	05/30/25 15:40	PB168209

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
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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

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/28/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-53	SDG No.:	Q2150
Lab Sample ID:	Q2150-10	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	85.3 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
PL095853.D	1	05/30/25 08:50	05/30/25 15:54	PB168209

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	0.46	U	0.46	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	0.16	U	0.16	2.00	ug/kg
72-20-8	Endrin	0.16	U	0.16	2.00	ug/kg
33213-65-9	Endosulfan II	0.34	U	0.34	2.00	ug/kg
72-54-8	4,4-DDD	0.18	U	0.18	2.00	ug/kg
1031-07-8	Endosulfan Sulfate	0.15	U	0.15	2.00	ug/kg
50-29-3	4,4-DDT	0.16	U	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	0.14	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	6.30	U	6.30	38.6	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	12.2		20 - 144	61%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.4		19 - 148	92%	SPK: 20

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/28/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-53	SDG No.:	Q2150
Lab Sample ID:	Q2150-10	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	85.3 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
PL095853.D	1	05/30/25 08:50	05/30/25 15:54	PB168209

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
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() = Laboratory InHouse Limit

QC SUMMARY

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Surrogate Summary

SDG No.: Q2150

Client: CDM Smith

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits Low	Limits High
I.BLK-PL095732.D	PIBLK-PL095732.D	Decachlorobiphenyl	1	20	18.2	91		43	140
		Tetrachloro-m-xylene	1	20	16.4	82		77	126
		Decachlorobiphenyl	2	20	17.5	88		43	140
		Tetrachloro-m-xylene	2	20	16.0	80		77	126
I.BLK-PL095838.D	PIBLK-PL095838.D	Decachlorobiphenyl	1	20	17.9	89		43	140
		Tetrachloro-m-xylene	1	20	22.7	114		77	126
		Decachlorobiphenyl	2	20	17.0	85		43	140
		Tetrachloro-m-xylene	2	20	22.5	113		77	126
PB168209BL	PB168209BL	Decachlorobiphenyl	1	20	18.1	90		20	144
		Tetrachloro-m-xylene	1	20	20.6	103		19	148
		Decachlorobiphenyl	2	20	17.1	85		20	144
		Tetrachloro-m-xylene	2	20	20.5	103		19	148
Q2150-01	TP-44	Decachlorobiphenyl	1	20	8.77	44		20	144
		Tetrachloro-m-xylene	1	20	11.5	58		19	148
		Decachlorobiphenyl	2	20	7.28	36		20	144
		Tetrachloro-m-xylene	2	20	11.2	56		19	148
Q2150-02	TP-42	Decachlorobiphenyl	1	20	8.23	41		20	144
		Tetrachloro-m-xylene	1	20	12.3	62		19	148
		Decachlorobiphenyl	2	20	6.84	34		20	144
		Tetrachloro-m-xylene	2	20	12.0	60		19	148
Q2150-03	TP-39	Decachlorobiphenyl	1	20	9.19	46		20	144
		Tetrachloro-m-xylene	1	20	17.4	87		19	148
		Decachlorobiphenyl	2	20	8.42	42		20	144
		Tetrachloro-m-xylene	2	20	17.4	87		19	148
Q2150-04	TP-48	Decachlorobiphenyl	1	20	8.61	43		20	144
		Tetrachloro-m-xylene	1	20	10.1	50		19	148
		Decachlorobiphenyl	2	20	7.41	37		20	144
		Tetrachloro-m-xylene	2	20	9.82	49		19	148
Q2150-05	TP-47	Decachlorobiphenyl	1	20	11.4	57		20	144
		Tetrachloro-m-xylene	1	20	18.3	92		19	148
		Decachlorobiphenyl	2	20	10.1	50		20	144
		Tetrachloro-m-xylene	2	20	18.4	92		19	148
Q2150-06	TP-50	Decachlorobiphenyl	1	20	10.6	53		20	144
		Tetrachloro-m-xylene	1	20	12.8	64		19	148
		Decachlorobiphenyl	2	20	9.40	47		20	144
		Tetrachloro-m-xylene	2	20	12.7	63		19	148
Q2150-07	TP-51	Decachlorobiphenyl	1	20	10.6	53		20	144
		Tetrachloro-m-xylene	1	20	18.4	92		19	148
		Decachlorobiphenyl	2	20	9.64	48		20	144
		Tetrachloro-m-xylene	2	20	18.3	92		19	148
Q2150-07MS	TP-51MS	Decachlorobiphenyl	1	20	8.47	42		20	144

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Surrogate Summary

SDG No.: Q2150

Client: CDM Smith

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits Low	Limits High
Q2150-07MS	TP-51MS	Tetrachloro-m-xylene	1	20	14.6	73		19	148
		Decachlorobiphenyl	2	20	8.02	40		20	144
		Tetrachloro-m-xylene	2	20	14.5	73		19	148
Q2150-07MSD	TP-51MSD	Decachlorobiphenyl	1	20	8.48	42		20	144
		Tetrachloro-m-xylene	1	20	14.6	73		19	148
		Decachlorobiphenyl	2	20	8.31	42		20	144
		Tetrachloro-m-xylene	2	20	14.6	73		19	148
Q2150-08	TP-52	Decachlorobiphenyl	1	20	7.81	39		20	144
		Tetrachloro-m-xylene	1	20	12.0	60		19	148
		Decachlorobiphenyl	2	20	7.25	36		20	144
		Tetrachloro-m-xylene	2	20	11.9	59		19	148
Q2150-09	TP-54	Decachlorobiphenyl	1	20	10.7	53		20	144
		Tetrachloro-m-xylene	1	20	16.1	80		19	148
		Decachlorobiphenyl	2	20	10.2	51		20	144
		Tetrachloro-m-xylene	2	20	16.2	81		19	148
Q2150-10	TP-53	Decachlorobiphenyl	1	20	12.2	61		20	144
		Tetrachloro-m-xylene	1	20	18.1	91		19	148
		Decachlorobiphenyl	2	20	11.8	59		20	144
		Tetrachloro-m-xylene	2	20	18.4	92		19	148
PB168209BS	PB168209BS	Decachlorobiphenyl	1	20	19.3	97		20	144
		Tetrachloro-m-xylene	1	20	21.9	109		19	148
		Decachlorobiphenyl	2	20	19.2	96		20	144
		Tetrachloro-m-xylene	2	20	22.0	110		19	148
I.BLK-PL095858.D	PIBLK-PL095858.D	Decachlorobiphenyl	1	20	23.7	118		43	140
		Tetrachloro-m-xylene	1	20	22.7	113		77	126
		Decachlorobiphenyl	2	20	20.2	101		43	140
		Tetrachloro-m-xylene	2	20	22.2	111		77	126

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2150 **Analytical Method:** 8081B

Client: CDM Smith **DataFile :** PL095849.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Client Sample ID:	**TP-51MS**											
Q2150-07MS (Column 1)	alpha-BHC	19.86	0	19.7	ug/kg	99				60	144	
	beta-BHC	19.86	0	18.8	ug/kg	95				54	143	
	delta-BHC	19.86	0	19.3	ug/kg	97				29	151	
	gamma-BHC (Lindane)	19.86	0	19.6	ug/kg	99				61	140	
	Heptachlor	19.86	0	18.1	ug/kg	91				63	135	
	Aldrin	19.86	0	19.2	ug/kg	97				49	139	
	Heptachlor epoxide	19.86	0	19.1	ug/kg	96				41	156	
	Endosulfan I	19.86	0	18.6	ug/kg	94				56	142	
	Dieldrin	19.86	0	18.4	ug/kg	93				47	161	
	4,4'-DDE	19.86	0	18.2	ug/kg	92				55	136	
	Endrin	19.86	0	16.9	ug/kg	85				57	139	
	Endosulfan II	19.86	0	17.1	ug/kg	86				40	163	
	4,4'-DDD	19.86	0	18.8	ug/kg	95				47	163	
	Endosulfan sulfate	19.86	0	16.9	ug/kg	85				62	139	
	4,4'-DDT	19.86	0	15.2	ug/kg	77				51	146	
	Methoxychlor	19.86	0	15.4	ug/kg	78				54	136	
	Endrin ketone	19.86	0	17.8	ug/kg	90				60	129	
	Endrin aldehyde	19.86	0	18.2	ug/kg	92				59	132	
	alpha-Chlordane	19.86	0	18.4	ug/kg	93				39	166	
	gamma-Chlordane	19.86	0	18.9	ug/kg	95				44	175	
Client Sample ID:	**TP-51MS**											
Q2150-07MS (Column 2)	alpha-BHC	19.86	0	20.4	ug/kg	103				60	144	
	beta-BHC	19.86	0	18.9	ug/kg	95				54	143	
	delta-BHC	19.86	0	19.9	ug/kg	100				29	151	
	gamma-BHC (Lindane)	19.86	0	20.3	ug/kg	102				61	140	
	Heptachlor	19.86	0	19.1	ug/kg	96				63	135	
	Aldrin	19.86	0	20.0	ug/kg	101				49	139	
	Heptachlor epoxide	19.86	0	19.7	ug/kg	99				41	156	
	Endosulfan I	19.86	0	19.1	ug/kg	96				56	142	
	Dieldrin	19.86	0	19.0	ug/kg	96				47	161	
	4,4'-DDE	19.86	0	18.9	ug/kg	95				55	136	
	Endrin	19.86	0	17.6	ug/kg	89				57	139	
	Endosulfan II	19.86	0	18.5	ug/kg	93				40	163	
	4,4'-DDD	19.86	0	18.7	ug/kg	94				47	163	
	Endosulfan sulfate	19.86	0	17.8	ug/kg	90				62	139	
	4,4'-DDT	19.86	0	15.8	ug/kg	80				51	146	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2150 **Analytical Method:** 8081B

Client: CDM Smith **DataFile :** PL095849.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Q2150-07MS (Column 2)	Methoxychlor	19.86	0	15.2	ug/kg	77				54	136	
	Endrin ketone	19.86	0	18.4	ug/kg	93				60	129	
	Endrin aldehyde	19.86	0	18.9	ug/kg	95				59	132	
	alpha-Chlordane	19.86	0	19.4	ug/kg	98				39	166	
	gamma-Chlordane	19.86	0	19.5	ug/kg	98				44	175	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2150 **Analytical Method:** 8081B

Client: CDM Smith **DataFile :** PL095850.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Client Sample ID:	**TP-51MSD**											
Q2150-07MSD (Column 1)	alpha-BHC	19.88	0	19.8	ug/kg	100		1		60	144	20
	beta-BHC	19.88	0	18.8	ug/kg	95		0		54	143	20
	delta-BHC	19.88	0	19.4	ug/kg	98		1		29	151	20
	gamma-BHC (Lindane)	19.88	0	19.7	ug/kg	99		0		61	140	20
	Heptachlor	19.88	0	18.2	ug/kg	92		1		63	135	20
	Aldrin	19.88	0	19.3	ug/kg	97		0		49	139	20
	Heptachlor epoxide	19.88	0	19.2	ug/kg	97		1		41	156	20
	Endosulfan I	19.88	0	18.7	ug/kg	94		0		56	142	20
	Dieldrin	19.88	0	18.5	ug/kg	93		0		47	161	20
	4,4'-DDE	19.88	0	18.3	ug/kg	92		0		55	136	20
	Endrin	19.88	0	17.0	ug/kg	86		1		57	139	20
	Endosulfan II	19.88	0	17.2	ug/kg	87		1		40	163	20
	4,4'-DDD	19.88	0	18.9	ug/kg	95		0		47	163	20
	Endosulfan sulfate	19.88	0	17.6	ug/kg	89		5		62	139	20
	4,4'-DDT	19.88	0	15.3	ug/kg	77		0		51	146	20
	Methoxychlor	19.88	0	15.9	ug/kg	80		3		54	136	20
	Endrin ketone	19.88	0	17.9	ug/kg	90		0		60	129	20
	Endrin aldehyde	19.88	0	18.2	ug/kg	92		0		59	132	20
	alpha-Chlordane	19.88	0	18.5	ug/kg	93		0		39	166	20
	gamma-Chlordane	19.88	0	19.0	ug/kg	96		1		44	175	20
Client Sample ID:	**TP-51MSD**											
Q2150-07MSD (Column 2)	alpha-BHC	19.88	0	20.5	ug/kg	103		0		60	144	20
	beta-BHC	19.88	0	18.8	ug/kg	95		0		54	143	20
	delta-BHC	19.88	0	20.1	ug/kg	101		1		29	151	20
	gamma-BHC (Lindane)	19.88	0	20.4	ug/kg	103		1		61	140	20
	Heptachlor	19.88	0	19.0	ug/kg	96		0		63	135	20
	Aldrin	19.88	0	20.2	ug/kg	102		1		49	139	20
	Heptachlor epoxide	19.88	0	19.9	ug/kg	100		1		41	156	20
	Endosulfan I	19.88	0	19.4	ug/kg	98		2		56	142	20
	Dieldrin	19.88	0	19.2	ug/kg	97		1		47	161	20
	4,4'-DDE	19.88	0	19.1	ug/kg	96		1		55	136	20
	Endrin	19.88	0	17.9	ug/kg	90		1		57	139	20
	Endosulfan II	19.88	0	18.6	ug/kg	94		1		40	163	20
	4,4'-DDD	19.88	0	19.0	ug/kg	96		2		47	163	20
	Endosulfan sulfate	19.88	0	18.2	ug/kg	92		2		62	139	20
	4,4'-DDT	19.88	0	16.2	ug/kg	81		1		51	146	20

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2150 **Analytical Method:** 8081B

Client: CDM Smith **DataFile :** PL095850.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Q2150-07MSD (Column 2)	Methoxychlor	19.88	0	15.4	ug/kg	77		0		54	136	20
	Endrin ketone	19.88	0	18.9	ug/kg	95		2		60	129	20
	Endrin aldehyde	19.88	0	19.1	ug/kg	96		1		59	132	20
	alpha-Chlordane	19.88	0	19.6	ug/kg	99		1		39	166	20
	gamma-Chlordane	19.88	0	19.6	ug/kg	99		1		44	175	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2150 **Analytical Method:** 8081B

Client: CDM Smith **Datafile :** PL095854.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB168209BS (Column 1)	alpha-BHC	16.66	17.2	ug/kg	103				84	123	
	beta-BHC	16.66	16.8	ug/kg	101				82	123	
	delta-BHC	16.66	16.0	ug/kg	96				83	126	
	gamma-BHC (Lindane)	16.66	17.3	ug/kg	104				83	125	
	Heptachlor	16.66	16.2	ug/kg	97				83	122	
	Aldrin	16.66	17.0	ug/kg	102				82	124	
	Heptachlor epoxide	16.66	17.0	ug/kg	102				83	120	
	Endosulfan I	16.66	16.6	ug/kg	100				81	124	
	Dieldrin	16.66	16.6	ug/kg	100				85	121	
	4,4'-DDE	16.66	16.2	ug/kg	97				81	123	
	Endrin	16.66	14.6	ug/kg	88				76	130	
	Endosulfan II	16.66	15.6	ug/kg	94				80	125	
	4,4'-DDD	16.66	17.1	ug/kg	103				80	131	
	Endosulfan sulfate	16.66	15.6	ug/kg	94				81	122	
	4,4'-DDT	16.66	13.8	ug/kg	83				70	129	
	Methoxychlor	16.66	13.7	ug/kg	82				60	119	
	Endrin ketone	16.66	16.5	ug/kg	99				77	132	
	Endrin aldehyde	16.66	16.0	ug/kg	96				79	124	
	alpha-Chlordane	16.66	16.6	ug/kg	100				84	120	
	gamma-Chlordane	16.66	16.9	ug/kg	101				83	122	
PB168209BS (Column 2)	alpha-BHC	16.66	18.0	ug/kg	108				84	123	
	beta-BHC	16.66	16.3	ug/kg	98				82	123	
	delta-BHC	16.66	16.7	ug/kg	100				83	126	
	gamma-BHC (Lindane)	16.66	17.9	ug/kg	107				83	125	
	Heptachlor	16.66	16.9	ug/kg	101				83	122	
	Aldrin	16.66	18.0	ug/kg	108				82	124	
	Heptachlor epoxide	16.66	17.7	ug/kg	106				83	120	
	Endosulfan I	16.66	16.8	ug/kg	101				81	124	
	Dieldrin	16.66	17.5	ug/kg	105				85	121	
	4,4'-DDE	16.66	17.1	ug/kg	103				81	123	
	Endrin	16.66	15.7	ug/kg	94				76	130	
	Endosulfan II	16.66	17.0	ug/kg	102				80	125	
	4,4'-DDD	16.66	18.0	ug/kg	108				80	131	
	Endosulfan sulfate	16.66	16.3	ug/kg	98				81	122	
	4,4'-DDT	16.66	14.2	ug/kg	85				70	129	
	Methoxychlor	16.66	13.3	ug/kg	80				60	119	
	Endrin ketone	16.66	16.9	ug/kg	101				77	132	
	Endrin aldehyde	16.66	17.0	ug/kg	102				79	124	
	alpha-Chlordane	16.66	17.4	ug/kg	104				84	120	
	gamma-Chlordane	16.66	17.7	ug/kg	106				83	122	

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4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB168209BL

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2150 SAS No.: Q2150 SDG NO.: Q2150

Lab Sample ID: PB168209BL Lab File ID: PL095840.D

Matrix: (soil/water) Solid Extraction: (Type) SOXH

Sulfur Cleanup: (Y/N) N Date Extracted: 05/30/2025

Date Analyzed (1): 05/30/2025 Date Analyzed (2): 05/30/2025

Time Analyzed (1): 12:57 Time Analyzed (2): 12:57

Instrument ID (1): ECD_L Instrument ID (2): ECD_L

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
TP-44	Q2150-01	PL095842.D	05/30/2025	05/30/2025
TP-42	Q2150-02	PL095843.D	05/30/2025	05/30/2025
TP-39	Q2150-03	PL095844.D	05/30/2025	05/30/2025
TP-48	Q2150-04	PL095845.D	05/30/2025	05/30/2025
TP-47	Q2150-05	PL095846.D	05/30/2025	05/30/2025
TP-50	Q2150-06	PL095847.D	05/30/2025	05/30/2025
TP-51	Q2150-07	PL095848.D	05/30/2025	05/30/2025
TP-51MS	Q2150-07MS	PL095849.D	05/30/2025	05/30/2025
TP-51MSD	Q2150-07MSD	PL095850.D	05/30/2025	05/30/2025
TP-52	Q2150-08	PL095851.D	05/30/2025	05/30/2025
TP-54	Q2150-09	PL095852.D	05/30/2025	05/30/2025
TP-53	Q2150-10	PL095853.D	05/30/2025	05/30/2025
PB168209BS	PB168209BS	PL095854.D	05/30/2025	05/30/2025

COMMENTS:

QC SAMPLE DATA

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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	PB168209BL	SDG No.:	Q2150
Lab Sample ID:	PB168209BL	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
PL095840.D	1	05/30/25 08:50	05/30/25 12:57	PB168209

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	18.1		20 - 144	90%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.6		19 - 148	103%	SPK: 20

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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	PB168209BL	SDG No.:	Q2150
Lab Sample ID:	PB168209BL	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
PL095840.D	1	05/30/25 08:50	05/30/25 12:57	PB168209

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:	CDM Smith	Date Collected:	05/21/25
Project:	South River WM Replacement	Date Received:	05/21/25
Client Sample ID:	PIBLK-PL095732.D	SDG No.:	Q2150
Lab Sample ID:	I.BLK-PL095732.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
PL095732.D	1		05/21/25	PL052125

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	18.2		43 - 140	91%	SPK: 20
877-09-8	Tetrachloro-m-xylene	16.4		77 - 126	82%	SPK: 20

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/21/25
Project:	South River WM Replacement	Date Received:	05/21/25
Client Sample ID:	PIBLK-PL095732.D	SDG No.:	Q2150
Lab Sample ID:	I.BLK-PL095732.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
PL095732.D	1		05/21/25	PL052125

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:	CDM Smith	Date Collected:	05/30/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	PIBLK-PL095838.D	SDG No.:	Q2150
Lab Sample ID:	I.BLK-PL095838.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
PL095838.D	1		05/30/25	pl053025

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	17.9		43 - 140	89%	SPK: 20
877-09-8	Tetrachloro-m-xylene	22.7		77 - 126	114%	SPK: 20

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/30/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	PIBLK-PL095838.D	SDG No.:	Q2150
Lab Sample ID:	I.BLK-PL095838.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
PL095838.D	1		05/30/25	pl053025

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:	CDM Smith	Date Collected:	05/30/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	PIBLK-PL095858.D	SDG No.:	Q2150
Lab Sample ID:	I.BLK-PL095858.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
PL095858.D	1		05/30/25	pl053025

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	23.7		43 - 140	118%	SPK: 20
877-09-8	Tetrachloro-m-xylene	22.7		77 - 126	113%	SPK: 20

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/30/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	PIBLK-PL095858.D	SDG No.:	Q2150
Lab Sample ID:	I.BLK-PL095858.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
PL095858.D	1		05/30/25	pl053025

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:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	PB168209BS	SDG No.:	Q2150
Lab Sample ID:	PB168209BS	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
PL095854.D	1	05/30/25 08:50	05/30/25 16:07	PB168209

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	18.0		0.13	1.70	ug/kg
319-85-7	beta-BHC	16.8		0.18	1.70	ug/kg
319-86-8	delta-BHC	16.7		0.39	1.70	ug/kg
58-89-9	gamma-BHC (Lindane)	17.9		0.14	1.70	ug/kg
76-44-8	Heptachlor	16.9		0.12	1.70	ug/kg
309-00-2	Aldrin	18.0		0.12	1.70	ug/kg
1024-57-3	Heptachlor epoxide	17.7		0.19	1.70	ug/kg
959-98-8	Endosulfan I	16.8		0.14	1.70	ug/kg
60-57-1	Dieldrin	17.5		0.14	1.70	ug/kg
72-55-9	4,4-DDE	17.1		0.14	1.70	ug/kg
72-20-8	Endrin	15.7		0.14	1.70	ug/kg
33213-65-9	Endosulfan II	17.0		0.29	1.70	ug/kg
72-54-8	4,4-DDD	18.0		0.15	1.70	ug/kg
1031-07-8	Endosulfan Sulfate	16.3		0.13	1.70	ug/kg
50-29-3	4,4-DDT	14.2		0.14	1.70	ug/kg
72-43-5	Methoxychlor	13.7		0.37	1.70	ug/kg
53494-70-5	Endrin ketone	16.9		0.19	1.70	ug/kg
7421-93-4	Endrin aldehyde	17.0		0.37	1.70	ug/kg
5103-71-9	alpha-Chlordane	17.4		0.12	1.70	ug/kg
5103-74-2	gamma-Chlordane	17.7		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	97%	SPK: 20
877-09-8	Tetrachloro-m-xylene	22.0		19 - 148	110%	SPK: 20

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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	PB168209BS	SDG No.:	Q2150
Lab Sample ID:	PB168209BS	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
PL095854.D	1	05/30/25 08:50	05/30/25 16:07	PB168209

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:	CDM Smith	Date Collected:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-51MS	SDG No.:	Q2150
Lab Sample ID:	Q2150-07MS	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	83.7 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
PL095849.D	1	05/30/25 08:50	05/30/25 14:59	PB168209

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	20.4		0.15	2.00	ug/kg
319-85-7	beta-BHC	18.9		0.21	2.00	ug/kg
319-86-8	delta-BHC	19.9		0.46	2.00	ug/kg
58-89-9	gamma-BHC (Lindane)	20.3		0.17	2.00	ug/kg
76-44-8	Heptachlor	19.1		0.14	2.00	ug/kg
309-00-2	Aldrin	20.0		0.14	2.00	ug/kg
1024-57-3	Heptachlor epoxide	19.7		0.23	2.00	ug/kg
959-98-8	Endosulfan I	19.1		0.17	2.00	ug/kg
60-57-1	Dieldrin	19.0		0.17	2.00	ug/kg
72-55-9	4,4-DDE	18.9		0.17	2.00	ug/kg
72-20-8	Endrin	17.6		0.17	2.00	ug/kg
33213-65-9	Endosulfan II	18.5		0.35	2.00	ug/kg
72-54-8	4,4-DDD	18.8		0.18	2.00	ug/kg
1031-07-8	Endosulfan Sulfate	17.8		0.15	2.00	ug/kg
50-29-3	4,4-DDT	15.8		0.17	2.00	ug/kg
72-43-5	Methoxychlor	15.4		0.44	2.00	ug/kg
53494-70-5	Endrin ketone	18.4		0.23	2.00	ug/kg
7421-93-4	Endrin aldehyde	18.9		0.44	2.00	ug/kg
5103-71-9	alpha-Chlordane	19.4		0.14	2.00	ug/kg
5103-74-2	gamma-Chlordane	19.5		0.18	2.00	ug/kg
8001-35-2	Toxaphene	6.40	U	6.40	39.3	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	8.47		20 - 144	42%	SPK: 20
877-09-8	Tetrachloro-m-xylene	14.6		19 - 148	73%	SPK: 20

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-51MS	SDG No.:	Q2150
Lab Sample ID:	Q2150-07MS	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	83.7 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
PL095849.D	1	05/30/25 08:50	05/30/25 14:59	PB168209

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
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Report of Analysis

Client:	CDM Smith	Date Collected:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-51MSD	SDG No.:	Q2150
Lab Sample ID:	Q2150-07MSD	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	83.7 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
PL095850.D	1	05/30/25 08:50	05/30/25 15:13	PB168209

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	20.5		0.16	2.00	ug/kg
319-85-7	beta-BHC	18.8		0.21	2.00	ug/kg
319-86-8	delta-BHC	20.1		0.47	2.00	ug/kg
58-89-9	gamma-BHC (Lindane)	20.4		0.17	2.00	ug/kg
76-44-8	Heptachlor	19.0		0.14	2.00	ug/kg
309-00-2	Aldrin	20.2		0.14	2.00	ug/kg
1024-57-3	Heptachlor epoxide	19.9		0.23	2.00	ug/kg
959-98-8	Endosulfan I	19.4		0.17	2.00	ug/kg
60-57-1	Dieldrin	19.2		0.17	2.00	ug/kg
72-55-9	4,4-DDE	19.1		0.17	2.00	ug/kg
72-20-8	Endrin	17.9		0.17	2.00	ug/kg
33213-65-9	Endosulfan II	18.6		0.35	2.00	ug/kg
72-54-8	4,4-DDD	19.0		0.18	2.00	ug/kg
1031-07-8	Endosulfan Sulfate	18.2		0.16	2.00	ug/kg
50-29-3	4,4-DDT	16.2		0.17	2.00	ug/kg
72-43-5	Methoxychlor	15.9		0.44	2.00	ug/kg
53494-70-5	Endrin ketone	18.9		0.23	2.00	ug/kg
7421-93-4	Endrin aldehyde	19.1		0.44	2.00	ug/kg
5103-71-9	alpha-Chlordane	19.6		0.14	2.00	ug/kg
5103-74-2	gamma-Chlordane	19.6		0.18	2.00	ug/kg
8001-35-2	Toxaphene	6.50	U	6.50	39.4	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	8.48		20 - 144	42%	SPK: 20
877-09-8	Tetrachloro-m-xylene	14.6		19 - 148	73%	SPK: 20

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-51MSD	SDG No.:	Q2150
Lab Sample ID:	Q2150-07MSD	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	83.7 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
PL095850.D	1	05/30/25 08:50	05/30/25 15:13	PB168209

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

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RETENTION TIMES OF INITIAL CALIBRATION

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2150 **SAS No.:** Q2150 **SDG NO.:** Q2150

Instrument ID: ECD_L **Calibration Date(s):** 05/21/2025 05/21/2025

Calibration Times: 11:35 12:29

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

LAB FILE ID: RT 100 = PL095735.D RT 075 = PL095736.D

RT 050 = PL095737.D RT 025 = PL095738.D RT 005 = PL095739.D

COMPOUND	RT 100	RT 075	RT 050	RT 025	RT 005	MEAN RT	RT WINDOW FROM	RT WINDOW TO
4,4'-DDD	6.74	6.74	6.73	6.73	6.73	6.74	6.64	6.84
4,4'-DDE	6.23	6.22	6.22	6.22	6.22	6.22	6.12	6.32
4,4'-DDT	7.05	7.05	7.05	7.05	7.05	7.05	6.95	7.15
Aldrin	5.30	5.30	5.30	5.30	5.30	5.30	5.20	5.40
alpha-BHC	4.03	4.03	4.03	4.02	4.02	4.03	3.93	4.13
alpha-Chlordane	6.06	6.05	6.05	6.05	6.05	6.05	5.95	6.15
beta-BHC	4.55	4.54	4.54	4.54	4.54	4.54	4.44	4.64
Decachlorobiphenyl	9.11	9.10	9.10	9.10	9.10	9.10	9.00	9.20
delta-BHC	4.80	4.79	4.79	4.79	4.79	4.79	4.69	4.89
Dieldrin	6.38	6.38	6.38	6.37	6.37	6.38	6.28	6.48
Endosulfan I	6.11	6.10	6.10	6.10	6.10	6.10	6.00	6.20
Endosulfan II	6.82	6.82	6.82	6.81	6.81	6.82	6.72	6.92
Endosulfan sulfate	7.18	7.18	7.18	7.18	7.18	7.18	7.08	7.28
Endrin	6.61	6.60	6.60	6.60	6.60	6.60	6.50	6.70
Endrin aldehyde	6.95	6.94	6.94	6.94	6.94	6.94	6.84	7.04
Endrin ketone	7.66	7.66	7.66	7.66	7.66	7.66	7.56	7.76
gamma-BHC (Lindane)	4.36	4.36	4.36	4.36	4.36	4.36	4.26	4.46
gamma-Chlordane	5.98	5.97	5.97	5.97	5.97	5.97	5.87	6.07
Heptachlor	4.96	4.95	4.96	4.95	4.95	4.96	4.86	5.06
Heptachlor epoxide	5.72	5.72	5.72	5.72	5.72	5.72	5.62	5.82
Methoxychlor	7.53	7.52	7.52	7.52	7.52	7.52	7.42	7.62
Tetrachloro-m-xylene	3.58	3.57	3.57	3.57	3.57	3.57	3.47	3.67

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RETENTION TIMES OF INITIAL CALIBRATION

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2150 **SAS No.:** Q2150 **SDG NO.:** Q2150

Instrument ID: ECD_L **Calibration Date(s):** 05/21/2025 05/21/2025

Calibration Times: 11:35 12:29

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

LAB FILE ID: RT 100 = PL095735.D RT 075 = PL095736.D

RT 050 = PL095737.D RT 025 = PL095738.D RT 005 = PL095739.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	5.37	5.37	5.37	5.37	5.37	5.37	5.27	5.47
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	3.40	3.40	3.40	3.40	3.40	3.30	3.50
alpha-Chlordane	5.19	5.19	5.19	5.19	5.19	5.19	5.09	5.29
beta-BHC	4.02	4.03	4.03	4.03	4.02	4.03	3.93	4.13
Decachlorobiphenyl	8.06	8.06	8.06	8.06	8.06	8.06	7.96	8.16
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	5.24	5.24	5.24	5.24	5.24	5.24	5.14	5.34
Endosulfan II	6.07	6.07	6.07	6.07	6.07	6.07	5.97	6.17
Endosulfan sulfate	6.47	6.47	6.48	6.48	6.47	6.47	6.37	6.57
Endrin	5.78	5.78	5.78	5.78	5.78	5.78	5.68	5.88
Endrin aldehyde	6.25	6.25	6.25	6.25	6.25	6.25	6.15	6.35
Endrin ketone	6.98	6.98	6.98	6.98	6.98	6.98	6.88	7.08
gamma-BHC (Lindane)	3.73	3.73	3.73	3.73	3.73	3.73	3.63	3.83
gamma-Chlordane	5.12	5.12	5.12	5.12	5.12	5.12	5.02	5.22
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	6.75	6.75	6.75	6.75	6.75	6.75	6.65	6.85
Tetrachloro-m-xylene	2.88	2.89	2.89	2.89	2.89	2.89	2.79	2.99

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2150 **SAS No.:** Q2150 **SDG NO.:** Q2150

Instrument ID: ECD_L

Calibration Date(s): 05/21/2025 05/21/2025

Calibration Times: 11:35 12:29

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

LAB FILE ID: **CF 100 =** PL095735.D **CF 075 =** PL095736.D

CF 050 = PL095737.D **CF 025 =** PL095738.D **CF 005 =** PL095739.D

COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	3029170000	2897950000	2890660000	2805810000	3029440000	2930610000	3
4,4'-DDE	3753620000	3658270000	3631690000	3489800000	3806130000	3667900000	3
4,4'-DDT	2712830000	2654360000	2650610000	2590070000	2917840000	2705140000	5
Aldrin	4347110000	4211420000	4211170000	4079190000	4539770000	4277730000	4
alpha-BHC	5055140000	4887150000	4799900000	4583430000	4914010000	4847930000	4
alpha-Chlordane	3936090000	3857140000	3869930000	3816090000	4261610000	3948170000	5
beta-BHC	1911140000	1892640000	1930210000	1931530000	2191310000	1971370000	6
Decachlorobiphenyl	2296450000	2273040000	2304350000	2354860000	2552990000	2356340000	5
delta-BHC	4510360000	4418490000	4383980000	4233750000	4621480000	4433610000	3
Dieldrin	3903950000	3813000000	3813820000	3708570000	4056580000	3859180000	3
Endosulfan I	3625480000	3571730000	3593970000	3550090000	3982900000	3664830000	5
Endosulfan II	3313830000	3256160000	3325550000	3384990000	3949720000	3446050000	8
Endosulfan sulfate	2925470000	2895950000	2926550000	2906380000	3280250000	2986920000	6
Endrin	3186950000	3188700000	3185310000	3116310000	3456510000	3226750000	4
Endrin aldehyde	2356490000	2323760000	2365700000	2353750000	2688400000	2417620000	6
Endrin ketone	3179290000	3121440000	3135900000	3068650000	3329290000	3166910000	3
gamma-BHC (Lindane)	4588190000	4447360000	4400770000	4245410000	4677520000	4471850000	4
gamma-Chlordane	3946420000	3852300000	3845310000	3754890000	4061530000	3892090000	3
Heptachlor	3804040000	3718580000	3721520000	3622900000	4058170000	3785040000	4
Heptachlor epoxide	3727710000	3692000000	3731080000	3682110000	4251420000	3816860000	6
Methoxychlor	1252650000	1237700000	1261470000	1251380000	1373430000	1275330000	4
Tetrachloro-m-xylene	3099670000	3048860000	3065820000	3062420000	3499570000	3155270000	6

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2150 **SAS No.:** Q2150 **SDG NO.:** Q2150

Instrument ID: ECD_L

Calibration Date(s): 05/21/2025 05/21/2025

Calibration Times: 11:35 12:29

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

LAB FILE ID: **CF 100 =** PL095735.D **CF 075 =** PL095736.D

CF 050 = PL095737.D **CF 025 =** PL095738.D **CF 005 =** PL095739.D

COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	4445580000	4366880000	4404380000	4229840000	4477970000	4384930000	2
4,4'-DDE	5328200000	5286620000	5342960000	5185270000	5667730000	5362160000	3
4,4'-DDT	4834370000	4768870000	4805750000	4636730000	4867260000	4782600000	2
Aldrin	5413270000	5337420000	5359250000	5094120000	5331460000	5307100000	2
alpha-BHC	6120380000	5984780000	5956690000	5567970000	5656920000	5857350000	4
alpha-Chlordane	5212180000	5117720000	5169640000	5059150000	5455120000	5202760000	3
beta-BHC	2433740000	2431120000	2471290000	2436550000	2615060000	2477550000	3
Decachlorobiphenyl	4307130000	4293010000	4424120000	4407270000	4440750000	4374460000	2
delta-BHC	5855570000	5710500000	5700250000	5411210000	5559290000	5647370000	3
Dieldrin	5312990000	5256750000	5296490000	5103800000	5530570000	5300120000	3
Endosulfan I	4730980000	4708290000	4767730000	4668460000	4949420000	4764970000	2
Endosulfan II	4687260000	4644550000	4721900000	4610060000	5095140000	4751780000	4
Endosulfan sulfate	4396050000	4376160000	4475180000	4410280000	4816080000	4494750000	4
Endrin	4781360000	4775420000	4841120000	4733510000	5249090000	4876100000	4
Endrin aldehyde	3353000000	3342650000	3418100000	3365440000	3792270000	3454290000	6
Endrin ketone	5025560000	5055710000	5163390000	5096070000	5528620000	5173870000	4
gamma-BHC (Lindane)	5738840000	5640150000	5652210000	5354130000	5620800000	5601220000	3
gamma-Chlordane	5300820000	5202550000	5232880000	5068800000	5458400000	5252690000	3
Heptachlor	5660130000	5568750000	5611780000	5421260000	5783370000	5609060000	2
Heptachlor epoxide	4854250000	4848530000	4943810000	4810760000	5229780000	4937430000	3
Methoxychlor	2503630000	2513740000	2592490000	2627630000	2843040000	2616110000	5
Tetrachloro-m-xylene	3908270000	3796990000	3846980000	3798040000	4219390000	3913940000	5

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2150 **SAS No.:** Q2150 **SDG NO.:** Q2150

Instrument ID: ECD_L **Date(s) Analyzed:** 05/21/2025 05/21/2025

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Toxaphene	500	1	5.88	5.78	5.98	11156600
		2	6.27	6.17	6.37	26557800
		3	7.09	6.99	7.19	93865100
		4	7.18	7.08	7.28	65544600
		5	7.96	7.86	8.06	45659000

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2150 **SAS No.:** Q2150 **SDG NO.:** Q2150

Instrument ID: ECD_L **Date(s) Analyzed:** 05/21/2025 05/21/2025

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Toxaphene	500	1	5.15	5.05	5.25	30765000
		2	5.83	5.73	5.93	34678400
		3	6.11	6.01	6.21	36071200
		4	6.75	6.65	6.85	117492000
		5	7.19	7.09	7.29	80236600

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2150 **SAS No.:** Q2150 **SDG NO.:** Q2150

Continuing Calib Date: 05/30/2025 **Initial Calibration Date(s):** 05/21/2025 05/21/2025

Continuing Calib Time: 12:40 **Initial Calibration Time(s):** 11:35 12:29

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.11	9.10	9.00	9.20	-0.01
Tetrachloro-m-xylene	3.58	3.57	3.47	3.67	-0.01
alpha-BHC	4.03	4.03	3.93	4.13	0.00
beta-BHC	4.55	4.54	4.44	4.64	-0.01
delta-BHC	4.80	4.79	4.69	4.89	-0.01
gamma-BHC (Lindane)	4.36	4.36	4.26	4.46	0.00
Heptachlor	4.96	4.96	4.86	5.06	0.00
Aldrin	5.30	5.30	5.20	5.40	0.00
Heptachlor epoxide	5.72	5.72	5.62	5.82	0.00
Endosulfan I	6.11	6.10	6.00	6.20	-0.01
Dieldrin	6.38	6.38	6.28	6.48	0.00
4,4'-DDE	6.23	6.22	6.12	6.32	-0.01
Endrin	6.61	6.60	6.50	6.70	-0.01
Endosulfan II	6.82	6.82	6.72	6.92	0.00
4,4'-DDD	6.74	6.73	6.63	6.83	-0.01
Endosulfan sulfate	7.19	7.18	7.08	7.28	-0.01
4,4'-DDT	7.06	7.05	6.95	7.15	-0.01
Methoxychlor	7.53	7.52	7.42	7.62	-0.01
Endrin ketone	7.67	7.66	7.56	7.76	-0.01
Endrin aldehyde	6.95	6.94	6.84	7.04	-0.01
alpha-Chlordane	6.06	6.05	5.95	6.15	-0.01
gamma-Chlordane	5.98	5.97	5.87	6.07	-0.01

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2150 **SAS No.:** Q2150 **SDG NO.:** Q2150

Continuing Calib Date: 05/30/2025 **Initial Calibration Date(s):** 05/21/2025 05/21/2025

Continuing Calib Time: 12:40 **Initial Calibration Time(s):** 11:35 12:29

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	8.06	8.06	7.96	8.16	0.00
Tetrachloro-m-xylene	2.88	2.89	2.79	2.99	0.01
alpha-BHC	3.39	3.40	3.30	3.50	0.01
beta-BHC	4.02	4.03	3.93	4.13	0.01
delta-BHC	4.26	4.26	4.16	4.36	0.00
gamma-BHC (Lindane)	3.73	3.73	3.63	3.83	0.01
Heptachlor	4.08	4.08	3.98	4.18	0.00
Aldrin	4.36	4.37	4.27	4.47	0.01
Heptachlor epoxide	4.87	4.87	4.77	4.97	0.00
Endosulfan I	5.24	5.24	5.14	5.34	0.00
Dieldrin	5.50	5.51	5.41	5.61	0.01
4,4'-DDE	5.37	5.37	5.27	5.47	0.00
Endrin	5.78	5.78	5.68	5.88	0.00
Endosulfan II	6.07	6.07	5.97	6.17	0.00
4,4'-DDD	5.92	5.93	5.83	6.03	0.01
Endosulfan sulfate	6.47	6.48	6.38	6.58	0.01
4,4'-DDT	6.18	6.18	6.08	6.28	0.00
Methoxychlor	6.75	6.75	6.65	6.85	0.00
Endrin ketone	6.98	6.98	6.88	7.08	0.00
Endrin aldehyde	6.25	6.25	6.15	6.35	0.00
alpha-Chlordane	5.18	5.19	5.09	5.29	0.01
gamma-Chlordane	5.12	5.12	5.02	5.22	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2150 **SAS No.:** Q2150 **SDG NO.:** Q2150

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 05/21/2025 05/21/2025

Client Sample No.: CCAL01 **Date Analyzed:** 05/30/2025

Lab Sample No.: PSTDCCC050 **Data File :** PL095839.D **Time Analyzed:** 12:40

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.742	6.634	6.834	52.630	50.000	5.3
4,4'-DDE	6.232	6.124	6.324	48.800	50.000	-2.4
4,4'-DDT	7.058	6.950	7.150	43.650	50.000	-12.7
Aldrin	5.304	5.197	5.397	54.070	50.000	8.1
alpha-BHC	4.031	3.925	4.125	56.630	50.000	13.3
alpha-Chlordane	6.061	5.954	6.154	52.450	50.000	4.9
beta-BHC	4.550	4.444	4.644	54.950	50.000	9.9
Decachlorobiphenyl	9.114	9.003	9.203	46.650	50.000	-6.7
delta-BHC	4.798	4.692	4.892	55.280	50.000	10.6
Dieldrin	6.382	6.275	6.475	51.990	50.000	4.0
Endosulfan I	6.109	6.002	6.202	52.340	50.000	4.7
Endosulfan II	6.823	6.715	6.915	49.290	50.000	-1.4
Endosulfan sulfate	7.186	7.078	7.278	49.150	50.000	-1.7
Endrin	6.610	6.502	6.702	45.300	50.000	-9.4
Endrin aldehyde	6.952	6.844	7.044	48.220	50.000	-3.6
Endrin ketone	7.667	7.560	7.760	50.720	50.000	1.4
gamma-BHC (Lindane)	4.362	4.257	4.457	56.780	50.000	13.6
gamma-Chlordane	5.980	5.873	6.073	53.770	50.000	7.5
Heptachlor	4.961	4.855	5.055	50.260	50.000	0.5
Heptachlor epoxide	5.724	5.618	5.818	50.040	50.000	0.1
Methoxychlor	7.531	7.423	7.623	43.480	50.000	-13.0
Tetrachloro-m-xylene	3.578	3.473	3.673	56.560	50.000	13.1

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2150 **SAS No.:** Q2150 **SDG NO.:** Q2150

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 05/21/2025 05/21/2025

Client Sample No.: CCAL01 **Date Analyzed:** 05/30/2025

Lab Sample No.: PSTDCCC050 **Data File :** PL095839.D **Time Analyzed:** 12:40

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.923	5.826	6.026	55.200	50.000	10.4
4,4'-DDE	5.371	5.274	5.474	47.740	50.000	-4.5
4,4'-DDT	6.178	6.080	6.280	41.880	50.000	-16.2
Aldrin	4.363	4.268	4.468	56.630	50.000	13.3
alpha-BHC	3.391	3.296	3.496	57.910	50.000	15.8
alpha-Chlordane	5.184	5.087	5.287	54.420	50.000	8.8
beta-BHC	4.021	3.926	4.126	55.690	50.000	11.4
Decachlorobiphenyl	8.062	7.964	8.164	43.500	50.000	-13.0
delta-BHC	4.257	4.161	4.361	55.940	50.000	11.9
Dieldrin	5.504	5.408	5.608	53.480	50.000	7.0
Endosulfan I	5.239	5.143	5.343	54.970	50.000	9.9
Endosulfan II	6.071	5.973	6.173	53.480	50.000	7.0
Endosulfan sulfate	6.472	6.375	6.575	51.060	50.000	2.1
Endrin	5.780	5.683	5.883	43.470	50.000	-13.1
Endrin aldehyde	6.249	6.151	6.351	51.400	50.000	2.8
Endrin ketone	6.978	6.880	7.080	50.750	50.000	1.5
gamma-BHC (Lindane)	3.725	3.630	3.830	56.550	50.000	13.1
gamma-Chlordane	5.119	5.023	5.223	55.410	50.000	10.8
Heptachlor	4.078	3.983	4.183	52.900	50.000	5.8
Heptachlor epoxide	4.866	4.771	4.971	57.090	50.000	14.2
Methoxychlor	6.748	6.651	6.851	41.270	50.000	-17.5
Tetrachloro-m-xylene	2.881	2.786	2.986	56.350	50.000	12.7

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2150 **SAS No.:** Q2150 **SDG NO.:** Q2150

Continuing Calib Date: 05/30/2025 **Initial Calibration Date(s):** 05/21/2025 05/21/2025

Continuing Calib Time: 18:33 **Initial Calibration Time(s):** 11:35 12:29

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.10	9.10	9.00	9.20	0.00
Tetrachloro-m-xylene	3.57	3.57	3.47	3.67	0.00
alpha-BHC	4.03	4.03	3.93	4.13	0.00
beta-BHC	4.54	4.54	4.44	4.64	0.00
delta-BHC	4.79	4.79	4.69	4.89	0.00
gamma-BHC (Lindane)	4.36	4.36	4.26	4.46	0.00
Heptachlor	4.96	4.96	4.86	5.06	0.01
Aldrin	5.30	5.30	5.20	5.40	0.00
Heptachlor epoxide	5.72	5.72	5.62	5.82	0.00
Endosulfan I	6.10	6.10	6.00	6.20	0.00
Dieldrin	6.38	6.38	6.28	6.48	0.00
4,4'-DDE	6.23	6.22	6.12	6.32	0.00
Endrin	6.60	6.60	6.50	6.70	0.00
Endosulfan II	6.82	6.82	6.72	6.92	0.00
4,4'-DDD	6.74	6.73	6.63	6.83	-0.01
Endosulfan sulfate	7.18	7.18	7.08	7.28	0.00
4,4'-DDT	7.05	7.05	6.95	7.15	0.00
Methoxychlor	7.52	7.52	7.42	7.62	0.00
Endrin ketone	7.66	7.66	7.56	7.76	0.00
Endrin aldehyde	6.95	6.94	6.84	7.04	-0.01
alpha-Chlordane	6.06	6.05	5.95	6.15	0.00
gamma-Chlordane	5.97	5.97	5.87	6.07	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2150 **SAS No.:** Q2150 **SDG NO.:** Q2150

Continuing Calib Date: 05/30/2025 **Initial Calibration Date(s):** 05/21/2025 05/21/2025

Continuing Calib Time: 18:33 **Initial Calibration Time(s):** 11:35 12:29

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	8.06	8.06	7.96	8.16	0.00
Tetrachloro-m-xylene	2.89	2.89	2.79	2.99	0.01
alpha-BHC	3.40	3.40	3.30	3.50	0.01
beta-BHC	4.02	4.03	3.93	4.13	0.01
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	5.24	5.24	5.14	5.34	0.00
Dieldrin	5.51	5.51	5.41	5.61	0.00
4,4'-DDE	5.37	5.37	5.27	5.47	0.00
Endrin	5.78	5.78	5.68	5.88	0.00
Endosulfan II	6.07	6.07	5.97	6.17	0.00
4,4'-DDD	5.93	5.93	5.83	6.03	0.00
Endosulfan sulfate	6.47	6.48	6.38	6.58	0.01
4,4'-DDT	6.18	6.18	6.08	6.28	0.00
Methoxychlor	6.75	6.75	6.65	6.85	0.00
Endrin ketone	6.98	6.98	6.88	7.08	0.00
Endrin aldehyde	6.25	6.25	6.15	6.35	0.00
alpha-Chlordane	5.19	5.19	5.09	5.29	0.00
gamma-Chlordane	5.12	5.12	5.02	5.22	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2150 **SAS No.:** Q2150 **SDG NO.:** Q2150

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 05/21/2025 05/21/2025

Client Sample No.: CCAL02 **Date Analyzed:** 05/30/2025

Lab Sample No.: PSTDCCC050 **Data File :** PL095859.D **Time Analyzed:** 18:33

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.735	6.634	6.834	50.550	50.000	1.1
4,4'-DDE	6.225	6.124	6.324	51.080	50.000	2.2
4,4'-DDT	7.050	6.950	7.150	53.550	50.000	7.1
Aldrin	5.297	5.197	5.397	51.670	50.000	3.3
alpha-BHC	4.025	3.925	4.125	54.220	50.000	8.4
alpha-Chlordane	6.055	5.954	6.154	50.700	50.000	1.4
beta-BHC	4.544	4.444	4.644	52.730	50.000	5.5
Decachlorobiphenyl	9.103	9.003	9.203	51.680	50.000	3.4
delta-BHC	4.792	4.692	4.892	48.340	50.000	-3.3
Dieldrin	6.375	6.275	6.475	51.390	50.000	2.8
Endosulfan I	6.102	6.002	6.202	50.990	50.000	2.0
Endosulfan II	6.816	6.715	6.915	54.940	50.000	9.9
Endosulfan sulfate	7.179	7.078	7.278	51.290	50.000	2.6
Endrin	6.603	6.502	6.702	51.420	50.000	2.8
Endrin aldehyde	6.945	6.844	7.044	51.330	50.000	2.7
Endrin ketone	7.660	7.560	7.760	51.090	50.000	2.2
gamma-BHC (Lindane)	4.356	4.257	4.457	54.370	50.000	8.7
gamma-Chlordane	5.973	5.873	6.073	50.760	50.000	1.5
Heptachlor	4.955	4.855	5.055	52.490	50.000	5.0
Heptachlor epoxide	5.719	5.618	5.818	49.240	50.000	-1.5
Methoxychlor	7.523	7.423	7.623	54.700	50.000	9.4
Tetrachloro-m-xylene	3.572	3.473	3.673	53.520	50.000	7.0

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2150 **SAS No.:** Q2150 **SDG NO.:** Q2150

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 05/21/2025 05/21/2025

Client Sample No.: CCAL02 **Date Analyzed:** 05/30/2025

Lab Sample No.: PSTDCCC050 **Data File :** PL095859.D **Time Analyzed:** 18:33

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.925	5.826	6.026	49.660	50.000	-0.7
4,4'-DDE	5.373	5.274	5.474	50.560	50.000	1.1
4,4'-DDT	6.179	6.080	6.280	48.750	50.000	-2.5
Aldrin	4.366	4.268	4.468	53.760	50.000	7.5
alpha-BHC	3.395	3.296	3.496	54.870	50.000	9.7
alpha-Chlordane	5.186	5.087	5.287	51.750	50.000	3.5
beta-BHC	4.024	3.926	4.126	52.720	50.000	5.4
Decachlorobiphenyl	8.063	7.964	8.164	46.490	50.000	-7.0
delta-BHC	4.260	4.161	4.361	53.340	50.000	6.7
Dieldrin	5.507	5.408	5.608	50.790	50.000	1.6
Endosulfan I	5.242	5.143	5.343	51.710	50.000	3.4
Endosulfan II	6.072	5.973	6.173	49.930	50.000	-0.1
Endosulfan sulfate	6.474	6.375	6.575	48.620	50.000	-2.8
Endrin	5.782	5.683	5.883	51.010	50.000	2.0
Endrin aldehyde	6.250	6.151	6.351	49.370	50.000	-1.3
Endrin ketone	6.979	6.880	7.080	45.180	50.000	-9.6
gamma-BHC (Lindane)	3.728	3.630	3.830	53.950	50.000	7.9
gamma-Chlordane	5.122	5.023	5.223	51.880	50.000	3.8
Heptachlor	4.081	3.983	4.183	53.780	50.000	7.6
Heptachlor epoxide	4.869	4.771	4.971	52.620	50.000	5.2
Methoxychlor	6.750	6.651	6.851	47.570	50.000	-4.9
Tetrachloro-m-xylene	2.885	2.786	2.986	53.470	50.000	6.9

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PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2150 **SAS No.:** Q2150 **SDG NO.:** Q2150

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 05/21/2025 05/21/2025

Client Sample No. (PEM): PEM - PL095733.D **Date Analyzed:** 05/21/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 11:01

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.103	9.000	9.200	21.750	20.000	8.8
Tetrachloro-m-xylene	3.573	3.520	3.620	20.300	20.000	1.5
alpha-BHC	4.025	3.970	4.080	9.870	10.000	-1.3
beta-BHC	4.544	4.490	4.590	10.330	10.000	3.3
gamma-BHC (Lindane)	4.356	4.310	4.410	10.120	10.000	1.2
Endrin	6.602	6.530	6.670	51.510	50.000	3.0
4,4'-DDT	7.049	6.980	7.120	98.360	100.000	-1.6
Methoxychlor	7.523	7.450	7.590	249.140	250.000	-0.3

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 05/21/2025 05/21/2025

Client Sample No. (PEM): PEM - PL095733.D **Date Analyzed:** 05/21/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 11:01

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	8.063	7.960	8.160	20.860	20.000	4.3
Tetrachloro-m-xylene	2.886	2.840	2.940	19.970	20.000	-0.2
alpha-BHC	3.396	3.350	3.450	9.630	10.000	-3.7
beta-BHC	4.024	3.970	4.070	10.010	10.000	0.1
gamma-BHC (Lindane)	3.730	3.680	3.780	9.770	10.000	-2.3
Endrin	5.782	5.710	5.850	51.350	50.000	2.7
4,4'-DDT	6.179	6.110	6.250	105.590	100.000	5.6
Methoxychlor	6.750	6.680	6.820	232.680	250.000	-6.9

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PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2150 **SAS No.:** Q2150 **SDG NO.:** Q2150

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 05/21/2025 05/21/2025

Client Sample No. (PEM): PEM - PL095835.D **Date Analyzed:** 05/30/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 09:10

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.105	9.000	9.210	21.880	20.000	9.4
Tetrachloro-m-xylene	3.573	3.520	3.620	23.720	20.000	18.6
alpha-BHC	4.025	3.970	4.080	11.500	10.000	15.0
beta-BHC	4.545	4.490	4.600	11.780	10.000	17.8
gamma-BHC (Lindane)	4.357	4.310	4.410	11.730	10.000	17.3
Endrin	6.603	6.530	6.670	52.970	50.000	5.9
4,4'-DDT	7.051	6.980	7.120	97.310	100.000	-2.7
Methoxychlor	7.524	7.450	7.590	238.170	250.000	-4.7

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 05/21/2025 05/21/2025

Client Sample No. (PEM): PEM - PL095835.D **Date Analyzed:** 05/30/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 09:10

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	8.063	7.960	8.160	21.510	20.000	7.6
Tetrachloro-m-xylene	2.886	2.840	2.940	23.260	20.000	16.3
alpha-BHC	3.396	3.350	3.450	11.320	10.000	13.2
beta-BHC	4.024	3.970	4.070	11.850	10.000	18.5
gamma-BHC (Lindane)	3.729	3.680	3.780	11.360	10.000	13.6
Endrin	5.782	5.710	5.850	54.050	50.000	8.1
4,4'-DDT	6.179	6.110	6.250	105.040	100.000	5.0
Methoxychlor	6.750	6.680	6.820	221.430	250.000	-11.4

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Analytical Sequence

Client: CDM Smith **SDG No.:** Q2150

Project: South River WM Replacement **Instrument ID:** ECD_L

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 05/21/2025 05/21/2025

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

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
I.BLK	I.BLK	05/21/2025	10:47	PL095732.D	9.10	3.57
PEM	PEM	05/21/2025	11:01	PL095733.D	9.10	3.57
RESCHK	RESCHK	05/21/2025	11:14	PL095734.D	9.10	3.57
PSTDICC100	PSTDICC100	05/21/2025	11:35	PL095735.D	9.11	3.58
PSTDICC075	PSTDICC075	05/21/2025	11:48	PL095736.D	9.10	3.57
PSTDICC050	PSTDICC050	05/21/2025	12:02	PL095737.D	9.10	3.57
PSTDICC025	PSTDICC025	05/21/2025	12:15	PL095738.D	9.10	3.57
PSTDICC005	PSTDICC005	05/21/2025	12:29	PL095739.D	9.10	3.57
PCHLORICC500	PCHLORICC500	05/21/2025	13:10	PL095742.D	9.10	3.57
PTOXICC500	PTOXICC500	05/21/2025	14:18	PL095747.D	9.10	3.57
PEM	PEM	05/30/2025	09:10	PL095835.D	9.11	3.57
I.BLK	I.BLK	05/30/2025	11:17	PL095838.D	9.11	3.58
PSTDCCC050	PSTDCCC050	05/30/2025	12:40	PL095839.D	9.11	3.58
PB168209BL	PB168209BL	05/30/2025	12:57	PL095840.D	9.11	3.58
TP-44	Q2150-01	05/30/2025	13:24	PL095842.D	9.11	3.57
TP-42	Q2150-02	05/30/2025	13:38	PL095843.D	9.11	3.57
TP-39	Q2150-03	05/30/2025	13:51	PL095844.D	9.11	3.57
TP-48	Q2150-04	05/30/2025	14:05	PL095845.D	9.11	3.57
TP-47	Q2150-05	05/30/2025	14:18	PL095846.D	9.11	3.57
TP-50	Q2150-06	05/30/2025	14:32	PL095847.D	9.11	3.57
TP-51	Q2150-07	05/30/2025	14:46	PL095848.D	9.10	3.57
TP-51MS	Q2150-07MS	05/30/2025	14:59	PL095849.D	9.10	3.57
TP-51MSD	Q2150-07MSD	05/30/2025	15:13	PL095850.D	9.11	3.57
TP-52	Q2150-08	05/30/2025	15:26	PL095851.D	9.11	3.57
TP-54	Q2150-09	05/30/2025	15:40	PL095852.D	9.11	3.57
TP-53	Q2150-10	05/30/2025	15:54	PL095853.D	9.11	3.57
PB168209BS	PB168209BS	05/30/2025	16:07	PL095854.D	9.11	3.57
I.BLK	I.BLK	05/30/2025	18:19	PL095858.D	9.11	3.58
PSTDCCC050	PSTDCCC050	05/30/2025	18:33	PL095859.D	9.10	3.57

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Analytical Sequence

Client: CDM Smith **SDG No.:** Q2150

Project: South River WM Replacement **Instrument ID:** ECD_L

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 05/21/2025 05/21/2025

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

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
I.BLK	I.BLK	05/21/2025	10:47	PL095732.D	8.06	2.89
PEM	PEM	05/21/2025	11:01	PL095733.D	8.06	2.89
RESCHK	RESCHK	05/21/2025	11:14	PL095734.D	8.06	2.89
PSTDICC100	PSTDICC100	05/21/2025	11:35	PL095735.D	8.06	2.88
PSTDICC075	PSTDICC075	05/21/2025	11:48	PL095736.D	8.06	2.89
PSTDICC050	PSTDICC050	05/21/2025	12:02	PL095737.D	8.06	2.89
PSTDICC025	PSTDICC025	05/21/2025	12:15	PL095738.D	8.06	2.89
PSTDICC005	PSTDICC005	05/21/2025	12:29	PL095739.D	8.06	2.89
PCHLORICC500	PCHLORICC500	05/21/2025	13:10	PL095742.D	8.06	2.89
PTOXICC500	PTOXICC500	05/21/2025	14:18	PL095747.D	8.06	2.89
PEM	PEM	05/30/2025	09:10	PL095835.D	8.06	2.89
I.BLK	I.BLK	05/30/2025	11:17	PL095838.D	8.06	2.88
PSTDCCC050	PSTDCCC050	05/30/2025	12:40	PL095839.D	8.06	2.88
PB168209BL	PB168209BL	05/30/2025	12:57	PL095840.D	8.06	2.88
TP-44	Q2150-01	05/30/2025	13:24	PL095842.D	8.06	2.89
TP-42	Q2150-02	05/30/2025	13:38	PL095843.D	8.06	2.89
TP-39	Q2150-03	05/30/2025	13:51	PL095844.D	8.06	2.89
TP-48	Q2150-04	05/30/2025	14:05	PL095845.D	8.06	2.89
TP-47	Q2150-05	05/30/2025	14:18	PL095846.D	8.06	2.89
TP-50	Q2150-06	05/30/2025	14:32	PL095847.D	8.06	2.89
TP-51	Q2150-07	05/30/2025	14:46	PL095848.D	8.06	2.89
TP-51MS	Q2150-07MS	05/30/2025	14:59	PL095849.D	8.06	2.89
TP-51MSD	Q2150-07MSD	05/30/2025	15:13	PL095850.D	8.06	2.89
TP-52	Q2150-08	05/30/2025	15:26	PL095851.D	8.06	2.89
TP-54	Q2150-09	05/30/2025	15:40	PL095852.D	8.06	2.89
TP-53	Q2150-10	05/30/2025	15:54	PL095853.D	8.06	2.89
PB168209BS	PB168209BS	05/30/2025	16:07	PL095854.D	8.06	2.89
I.BLK	I.BLK	05/30/2025	18:19	PL095858.D	8.06	2.88
PSTDCCC050	PSTDCCC050	05/30/2025	18:33	PL095859.D	8.06	2.89

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.
PB168209BS

Contract: CAMP02
Lab Code: CHEM **Case No.:** Q2150 **SAS No.:** Q2150 **SDG NO.:** Q2150
Lab Sample ID: PB168209BS **Date(s) Analyzed:** 05/30/2025 05/30/2025
Instrument ID (1): ECD_L **Instrument ID (2):** ECD_L
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	6.74	6.69	6.79	17.1	5.1
	2	5.93	5.88	5.98	18.0	
4,4'-DDT	1	7.05	7.00	7.10	13.8	2.9
	2	6.18	6.13	6.23	14.2	
alpha-BHC	1	4.03	3.98	4.08	17.2	4.5
	2	3.40	3.35	3.45	18.0	
Aldrin	1	5.30	5.25	5.35	17.0	5.7
	2	4.37	4.32	4.42	18.0	
beta-BHC	1	4.54	4.49	4.59	16.8	3
	2	4.03	3.98	4.08	16.3	
alpha-Chlordane	1	6.05	6.00	6.10	16.6	4.7
	2	5.19	5.14	5.24	17.4	
4,4'-DDE	1	6.22	6.17	6.27	16.2	5.4
	2	5.37	5.32	5.42	17.1	
Endosulfan II	1	6.82	6.77	6.87	15.6	8.6
	2	6.07	6.02	6.12	17.0	
Endrin aldehyde	1	6.95	6.90	7.00	16.0	6.1
	2	6.25	6.20	6.30	17.0	
Endosulfan sulfate	1	7.18	7.13	7.23	15.6	4.4
	2	6.47	6.42	6.52	16.3	
Methoxychlor	1	7.52	7.47	7.57	13.7	3
	2	6.75	6.70	6.80	13.3	
Endrin ketone	1	7.66	7.61	7.71	16.5	2.4
	2	6.98	6.93	7.03	16.9	
gamma-BHC (Lindane)	1	4.36	4.31	4.41	17.3	3.4
	2	3.73	3.68	3.78	17.9	
Heptachlor	1	4.95	4.90	5.00	16.2	4.2
	2	4.08	4.03	4.13	16.9	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB168209BS

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2150 **SAS No.:** Q2150 **SDG NO.:** Q2150

Lab Sample ID: PB168209BS **Date(s) Analyzed:** 05/30/2025 05/30/2025

Instrument ID (1): ECD_L **Instrument ID (2):** ECD_L

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
delta-BHC	1	4.79	4.74	4.84	16.0	4.3
	2	4.26	4.21	4.31	16.7	
Heptachlor epoxide	1	5.72	5.67	5.77	17.0	4
	2	4.87	4.82	4.92	17.7	
Endosulfan I	1	6.10	6.05	6.15	16.6	1.2
	2	5.24	5.19	5.29	16.8	
gamma-Chlordane	1	5.97	5.92	6.02	16.9	4.6
	2	5.12	5.07	5.17	17.7	
Dieldrin	1	6.38	6.33	6.43	16.6	5.3
	2	5.51	5.46	5.56	17.5	
Endrin	1	6.60	6.55	6.65	14.6	7.3
	2	5.78	5.73	5.83	15.7	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

TP-44

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2150 **SAS No.:** Q2150 **SDG NO.:** Q2150

Lab Sample ID: Q2150-01 **Date(s) Analyzed:** 05/30/2025 05/30/2025

Instrument ID (1): ECD_L **Instrument ID (2):** ECD_L

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	5.97	5.92	6.02	0.30	23.3
	2	5.12	5.07	5.17	0.24	
alpha-Chlordane	1	6.06	6.01	6.11	0.76	39.7
	2	5.19	5.14	5.24	0.51	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

TP-50

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2150 **SAS No.:** Q2150 **SDG NO.:** Q2150

Lab Sample ID: Q2150-06 **Date(s) Analyzed:** 05/30/2025 05/30/2025

Instrument ID (1): ECD_L **Instrument ID (2):** ECD_L

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	5.97	5.92	6.02	0.80	76.9
	2	5.12	5.07	5.17	0.36	
alpha-Chlordane	1	6.06	6.01	6.11	1.40	51.7
	2	5.18	5.13	5.23	0.83	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

TP-51MS

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2150 **SAS No.:** Q2150 **SDG NO.:** Q2150

Lab Sample ID: Q2150-07MS **Date(s) Analyzed:** 05/30/2025 05/30/2025

Instrument ID (1): ECD_L **Instrument ID (2):** ECD_L

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	6.74	6.69	6.79	18.8	0.5
	2	5.93	5.88	5.98	18.7	
4,4'-DDT	1	7.05	7.00	7.10	15.2	3.9
	2	6.18	6.13	6.23	15.8	
alpha-BHC	1	4.02	3.97	4.07	19.7	3.5
	2	3.40	3.35	3.45	20.4	
Aldrin	1	5.30	5.25	5.35	19.2	4.1
	2	4.37	4.32	4.42	20.0	
beta-BHC	1	4.54	4.49	4.59	18.8	0.5
	2	4.03	3.98	4.08	18.9	
delta-BHC	1	4.79	4.74	4.84	19.3	3.1
	2	4.26	4.21	4.31	19.9	
alpha-Chlordane	1	6.06	6.01	6.11	18.4	5.3
	2	5.19	5.14	5.24	19.4	
4,4'-DDE	1	6.23	6.18	6.28	18.2	3.8
	2	5.37	5.32	5.42	18.9	
Endosulfan II	1	6.82	6.77	6.87	17.1	7.9
	2	6.07	6.02	6.12	18.5	
Endrin aldehyde	1	6.95	6.90	7.00	18.2	3.8
	2	6.25	6.20	6.30	18.9	
Endosulfan sulfate	1	7.18	7.13	7.23	16.9	5.2
	2	6.47	6.42	6.52	17.8	
Methoxychlor	1	7.52	7.47	7.57	15.4	1.3
	2	6.75	6.70	6.80	15.2	
Endrin ketone	1	7.66	7.61	7.71	17.8	3.3
	2	6.98	6.93	7.03	18.4	
gamma-BHC (Lindane)	1	4.36	4.31	4.41	19.6	3.5
	2	3.73	3.68	3.78	20.3	

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

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

TP-51MS

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2150 **SAS No.:** Q2150 **SDG NO.:** Q2150

Lab Sample ID: Q2150-07MS **Date(s) Analyzed:** 05/30/2025 05/30/2025

Instrument ID (1): ECD_L **Instrument ID (2):** ECD_L

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
Heptachlor	1	4.96	4.91	5.01	18.1	5.4
	2	4.08	4.03	4.13	19.1	
Heptachlor epoxide	1	5.72	5.67	5.77	19.1	3.1
	2	4.87	4.82	4.92	19.7	
Endosulfan I	1	6.10	6.05	6.15	18.6	2.7
	2	5.24	5.19	5.29	19.1	
gamma-Chlordane	1	5.97	5.92	6.02	18.9	3.1
	2	5.12	5.07	5.17	19.5	
Dieldrin	1	6.38	6.33	6.43	18.4	3.2
	2	5.51	5.46	5.56	19.0	
Endrin	1	6.60	6.55	6.65	16.9	4.1
	2	5.78	5.73	5.83	17.6	

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

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

TP-51MSD

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2150 **SAS No.:** Q2150 **SDG NO.:** Q2150

Lab Sample ID: Q2150-07MSD **Date(s) Analyzed:** 05/30/2025 05/30/2025

Instrument ID (1): ECD_L **Instrument ID (2):** ECD_L

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	6.82	6.77	6.87	17.2	7.8
	2	6.07	6.02	6.12	18.6	
4,4'-DDD	1	6.74	6.69	6.79	18.9	0.5
	2	5.93	5.88	5.98	19.0	
4,4'-DDT	1	7.05	7.00	7.10	15.3	5.7
	2	6.18	6.13	6.23	16.2	
Endrin aldehyde	1	6.95	6.90	7.00	18.2	4.8
	2	6.25	6.20	6.30	19.1	
Endosulfan sulfate	1	7.18	7.13	7.23	17.6	3.4
	2	6.47	6.42	6.52	18.2	
Methoxychlor	1	7.52	7.47	7.57	15.9	3.2
	2	6.75	6.70	6.80	15.4	
Endrin ketone	1	7.66	7.61	7.71	17.9	5.4
	2	6.98	6.93	7.03	18.9	
alpha-BHC	1	4.03	3.98	4.08	19.8	3.5
	2	3.40	3.35	3.45	20.5	
gamma-BHC (Lindane)	1	4.36	4.31	4.41	19.7	3.5
	2	3.73	3.68	3.78	20.4	
Heptachlor	1	4.96	4.91	5.01	18.2	4.3
	2	4.08	4.03	4.13	19.0	
Aldrin	1	5.30	5.25	5.35	19.3	4.6
	2	4.37	4.32	4.42	20.2	
beta-BHC	1	4.55	4.50	4.60	18.8	0
	2	4.03	3.98	4.08	18.8	
delta-BHC	1	4.79	4.74	4.84	19.4	3.5
	2	4.26	4.21	4.31	20.1	
Heptachlor epoxide	1	5.72	5.67	5.77	19.2	3.6
	2	4.87	4.82	4.92	19.9	

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

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

TP-51MSD

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2150 **SAS No.:** Q2150 **SDG NO.:** Q2150

Lab Sample ID: Q2150-07MSD **Date(s) Analyzed:** 05/30/2025 05/30/2025

Instrument ID (1): ECD_L **Instrument ID (2):** ECD_L

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	6.10	6.05	6.15	18.7	3.7
	2	5.24	5.19	5.29	19.4	
gamma-Chlordane	1	5.97	5.92	6.02	19.0	3.1
	2	5.12	5.07	5.17	19.6	
alpha-Chlordane	1	6.06	6.01	6.11	18.5	5.8
	2	5.19	5.14	5.24	19.6	
4,4'-DDE	1	6.23	6.18	6.28	18.3	4.3
	2	5.37	5.32	5.42	19.1	
Dieldrin	1	6.38	6.33	6.43	18.5	3.7
	2	5.51	5.46	5.56	19.2	
Endrin	1	6.60	6.55	6.65	17.0	5.2
	2	5.78	5.73	5.83	17.9	

SAMPLE RAW DATA

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL053025\
Data File : PL095842.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 May 2025 13:24
Operator : AR\AJ
Sample : Q2150-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
TP-44

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 06/02/2025
Supervised By :mohammad ahmed 06/03/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 30 22:52:14 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:29:30 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.573	2.885	36363777	44005242	11.525	11.243
28)	SA Decachlor...	9.105	8.063	20658463	31866376	8.767	7.285
	Target Compounds						
10)	B gamma-Chl...	5.972	5.121	2795399	3019453	0.718m	0.575m
11)	B alpha-Chl...	6.057	5.185	7158092	6283936	1.813	1.208m#

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

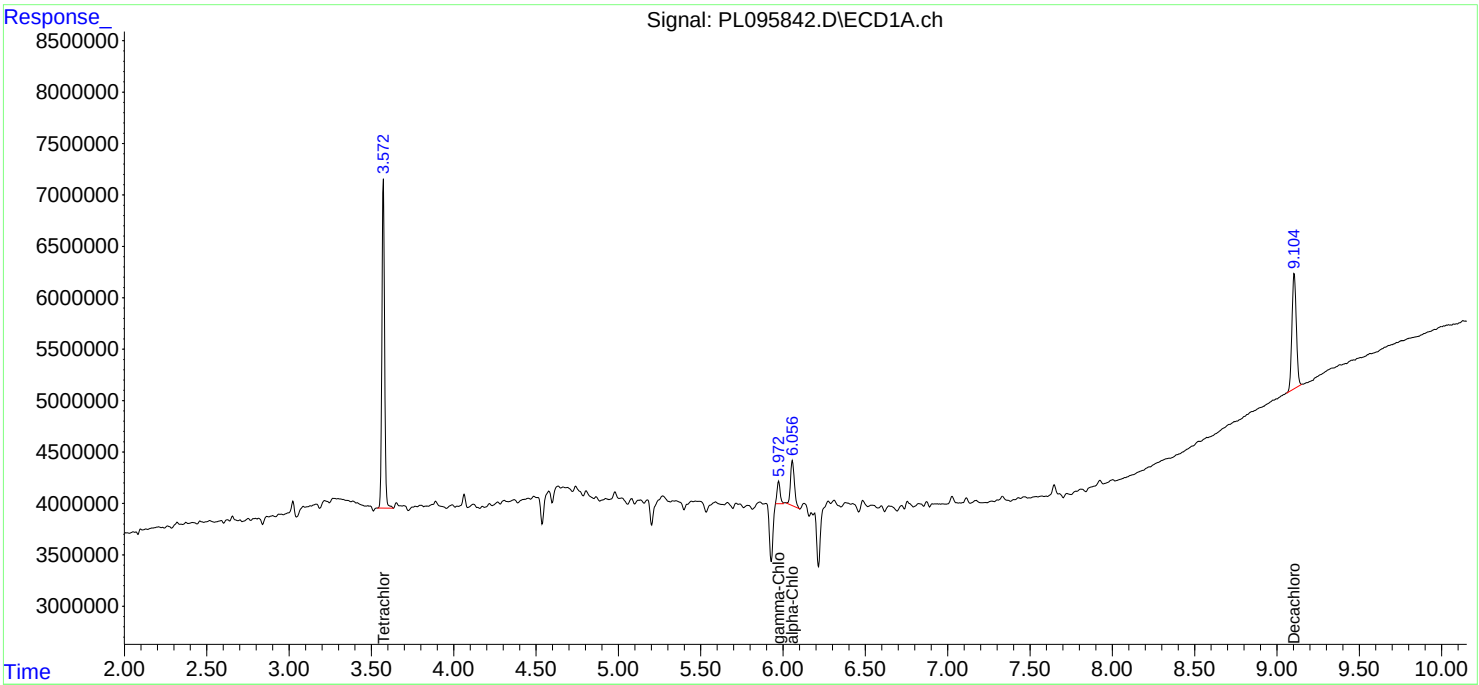
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL053025\
Data File : PL095842.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 May 2025 13:24
Operator : AR\AJ
Sample : Q2150-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

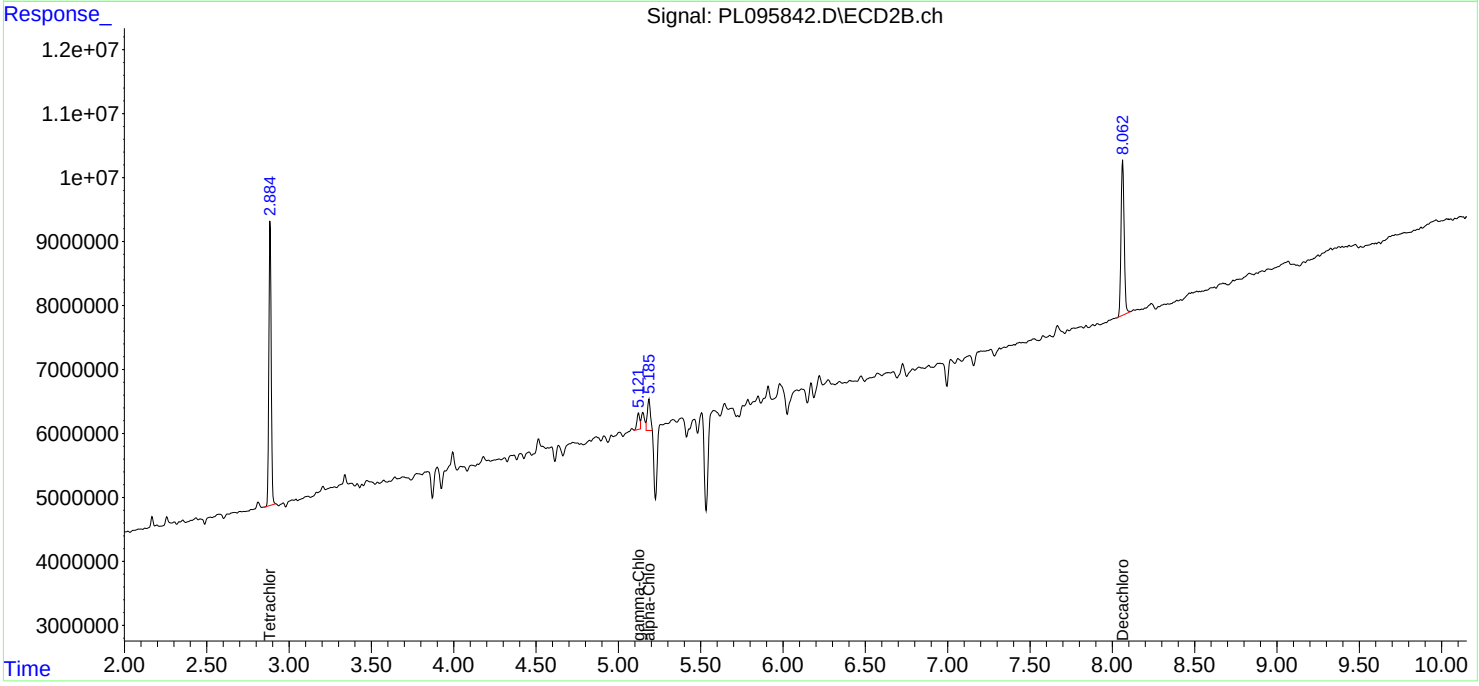
Instrument :
ECD_L
ClientSampleId :
TP-44

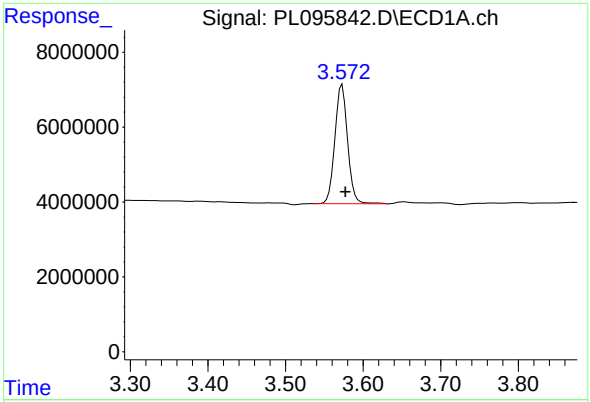
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 06/02/2025
Supervised By :mohammad ahmed 06/03/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 30 22:52:14 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:29:30 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm







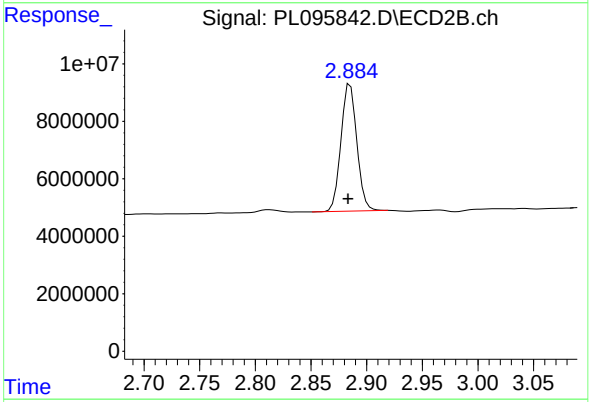
#1 Tetrachloro-m-xylene

R.T.: 3.573 min
Delta R.T.: -0.004 min
Response: 36363777
Conc: 11.52 ng/ml

Instrument :
ECD_L
ClientSampleId :
TP-44

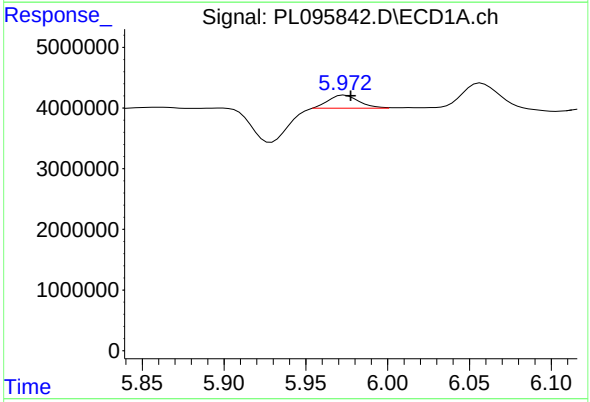
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/02/2025
Supervised By :mohammad ahmed 06/03/2025



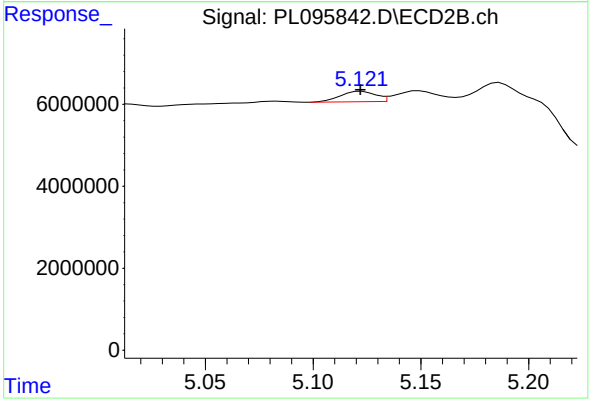
#1 Tetrachloro-m-xylene

R.T.: 2.885 min
Delta R.T.: 0.002 min
Response: 44005242
Conc: 11.24 ng/ml



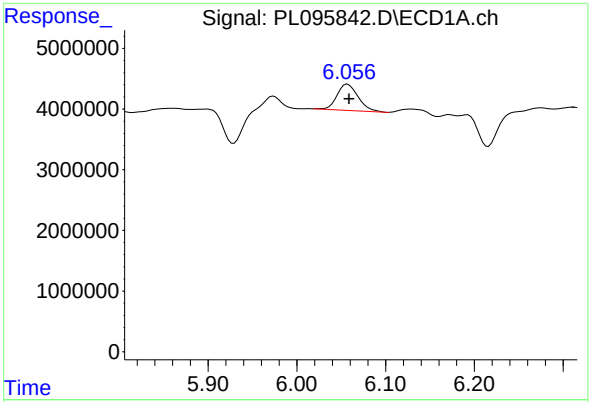
#10 gamma-Chlordane

R.T.: 5.972 min
Delta R.T.: -0.005 min
Response: 2795399
Conc: 0.72 ng/ml m



#10 gamma-Chlordane

R.T.: 5.121 min
Delta R.T.: 0.000 min
Response: 3019453
Conc: 0.57 ng/ml m



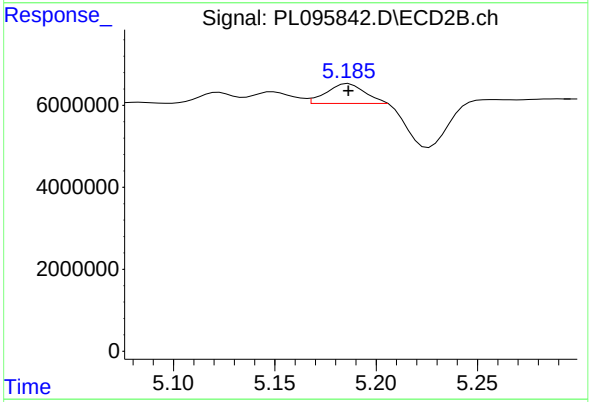
#11 alpha-Chlordane

R.T.: 6.057 min
Delta R.T.: -0.002 min
Response: 7158092
Conc: 1.81 ng/ml

Instrument :
ECD_L
ClientSampleId :
TP-44

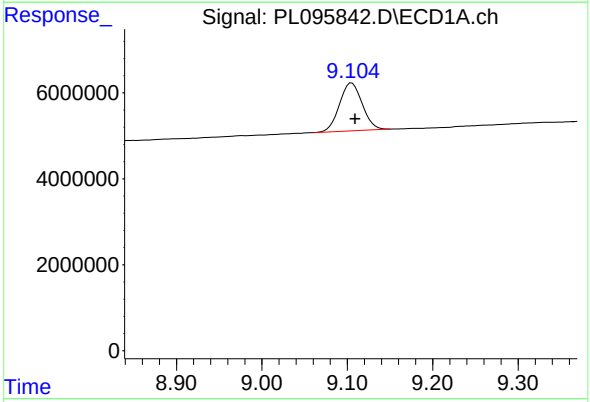
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/02/2025
Supervised By :mohammad ahmed 06/03/2025



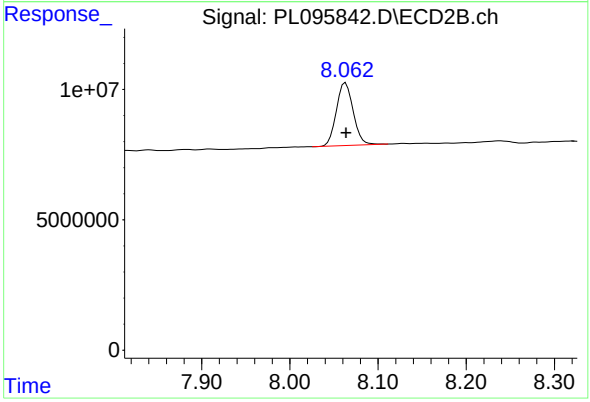
#11 alpha-Chlordane

R.T.: 5.185 min
Delta R.T.: -0.001 min
Response: 6283936
Conc: 1.21 ng/ml m



#28 Decachlorobiphenyl

R.T.: 9.105 min
Delta R.T.: -0.004 min
Response: 20658463
Conc: 8.77 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.063 min
Delta R.T.: 0.000 min
Response: 31866376
Conc: 7.28 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL053025\
Data File : PL095843.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 May 2025 13:38
Operator : AR\AJ
Sample : Q2150-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
TP-42

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 30 22:52:31 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:29:30 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.573	2.886	38913594	47027429	12.333	12.015
28)	SA Decachlor...	9.105	8.064	19388323	29929885	8.228	6.842
	Target Compounds						

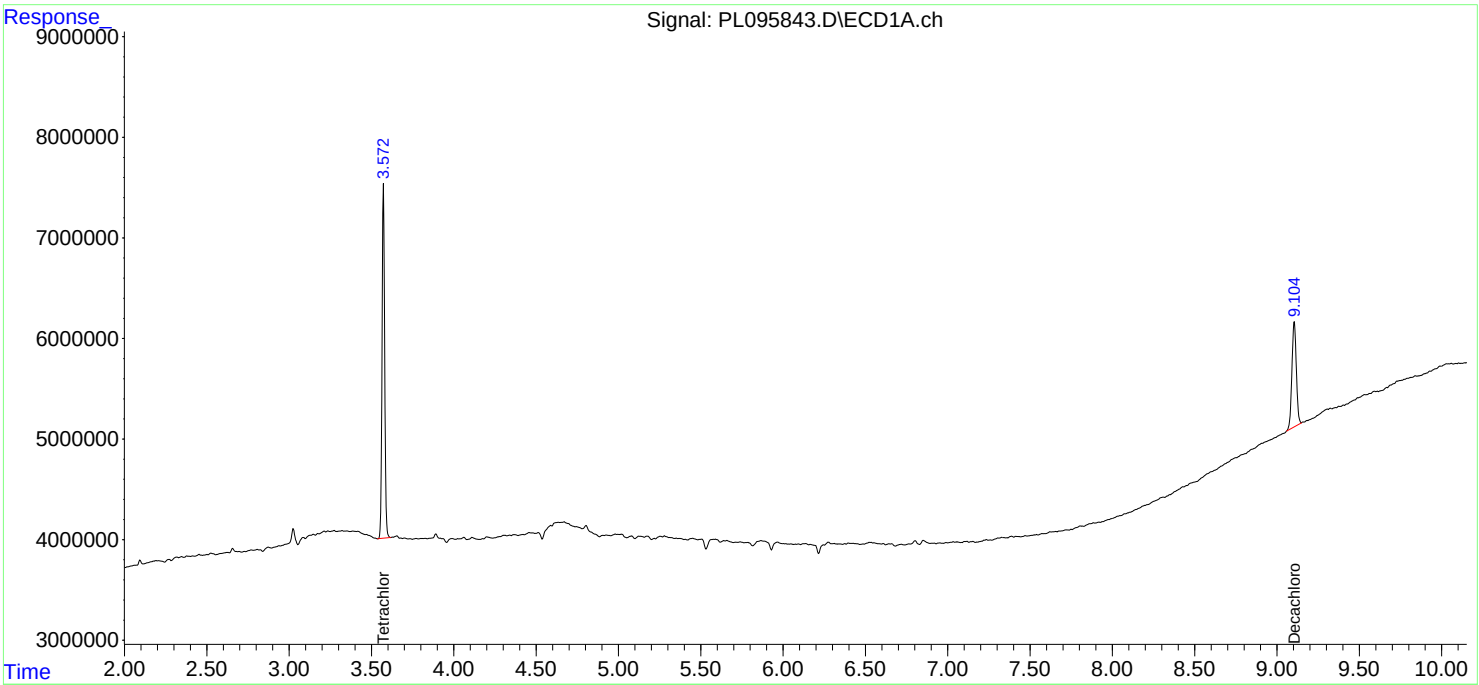
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

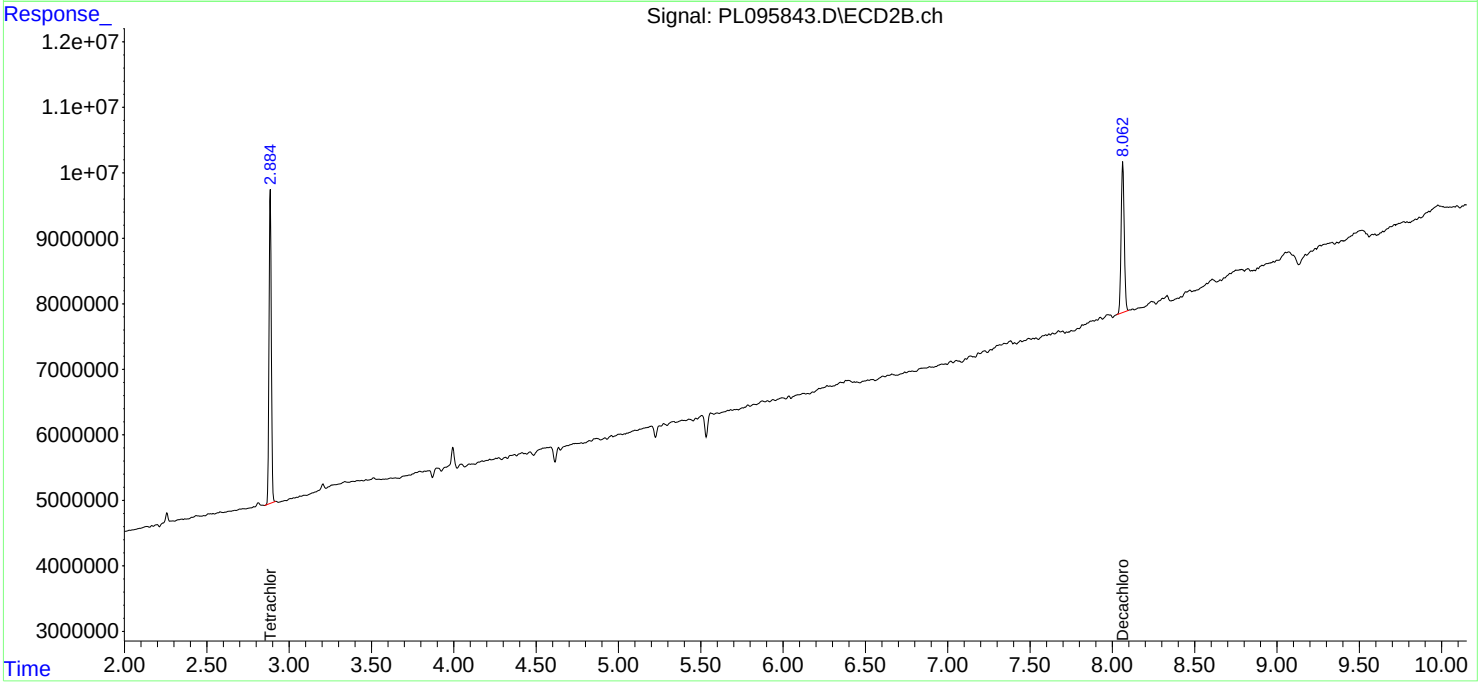
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL053025\
Data File : PL095843.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 May 2025 13:38
Operator : AR\AJ
Sample : Q2150-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

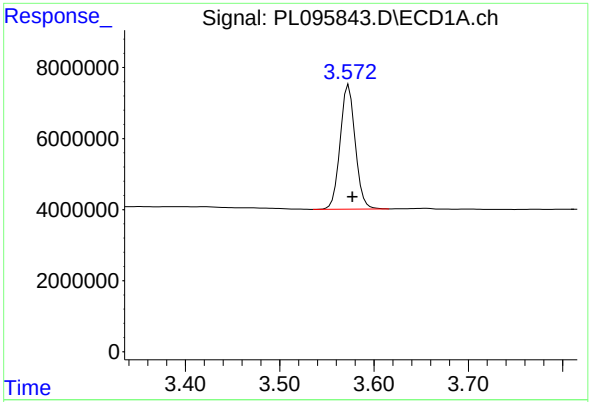
Instrument :
ECD_L
ClientSampleId :
TP-42

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 30 22:52:31 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:29:30 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm



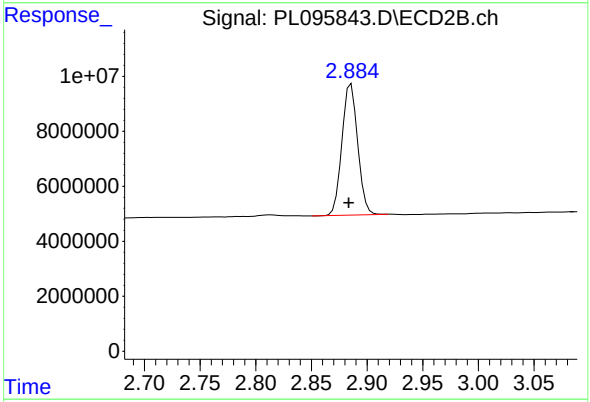




#1 Tetrachloro-m-xylene

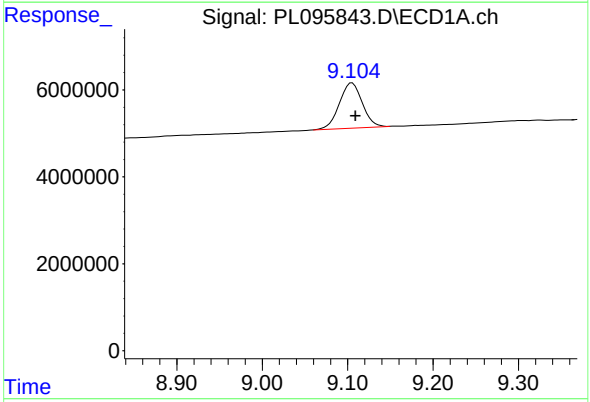
R.T.: 3.573 min
Delta R.T.: -0.004 min
Response: 38913594
Conc: 12.33 ng/ml

Instrument :
ECD_L
ClientSampleId :
TP-42



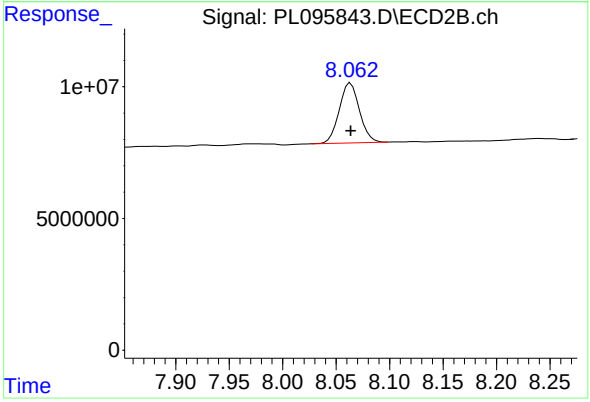
#1 Tetrachloro-m-xylene

R.T.: 2.886 min
Delta R.T.: 0.002 min
Response: 47027429
Conc: 12.02 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.105 min
Delta R.T.: -0.004 min
Response: 19388323
Conc: 8.23 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.064 min
Delta R.T.: 0.000 min
Response: 29929885
Conc: 6.84 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL053025\
Data File : PL095844.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 May 2025 13:51
Operator : AR\AJ
Sample : Q2150-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
TP-39

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 06/02/2025
Supervised By :mohammad ahmed 06/03/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 30 22:52:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:29:30 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.572	2.886	55009401	68255122	17.434m	17.439
28)	SA Decachlor...	9.105	8.063	21653015	36843317	9.189	8.422
	Target Compounds						

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

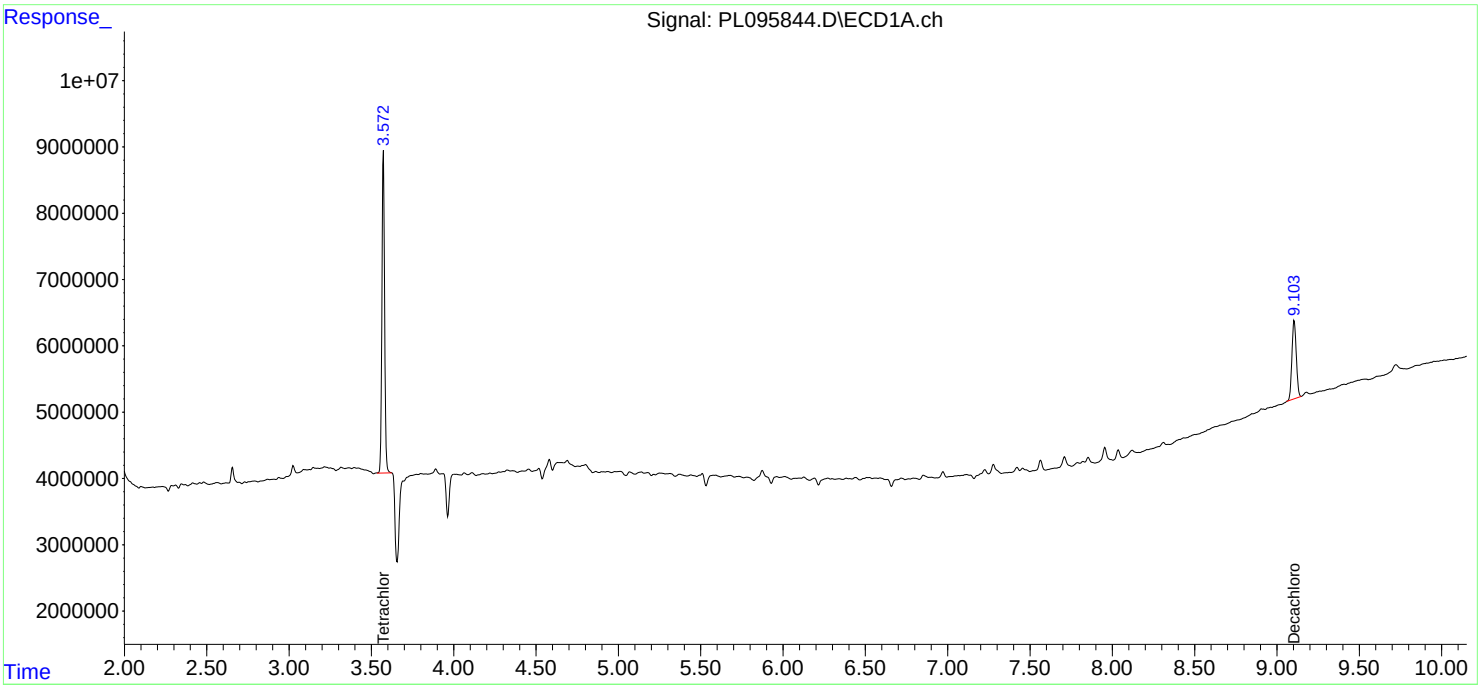
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL053025\
Data File : PL095844.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 May 2025 13:51
Operator : AR\AJ
Sample : Q2150-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

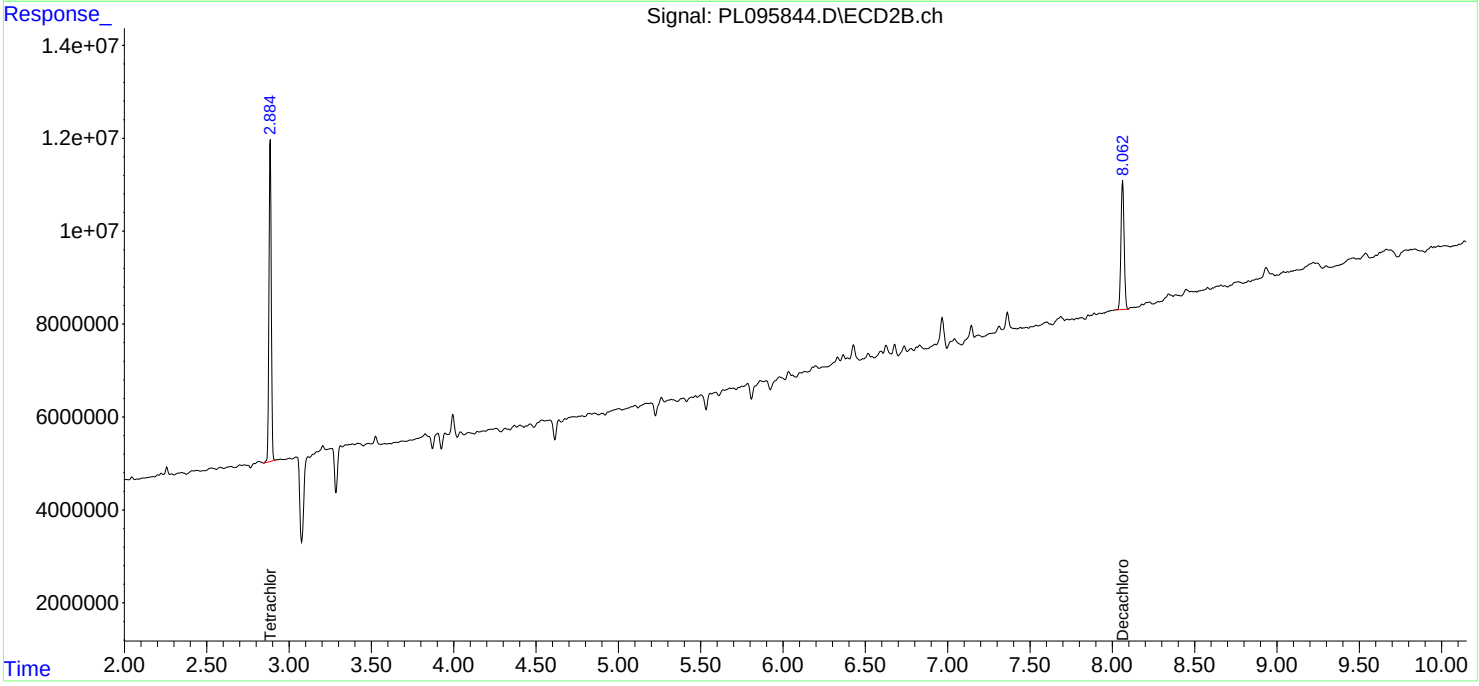
Instrument :
ECD_L
ClientSampleId :
TP-39

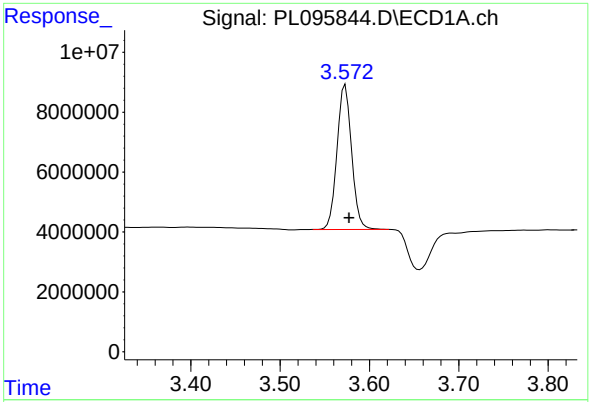
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 06/02/2025
Supervised By :mohammad ahmed 06/03/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 30 22:52:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:29:30 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm







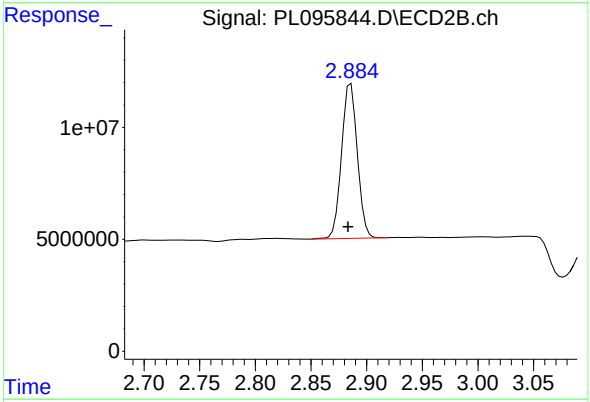
#1 Tetrachloro-m-xylene

R.T.: 3.572 min
Delta R.T.: -0.005 min
Response: 55009401
Conc: 17.43 ng/ml

Instrument :
ECD_L
ClientSampleId :
TP-39

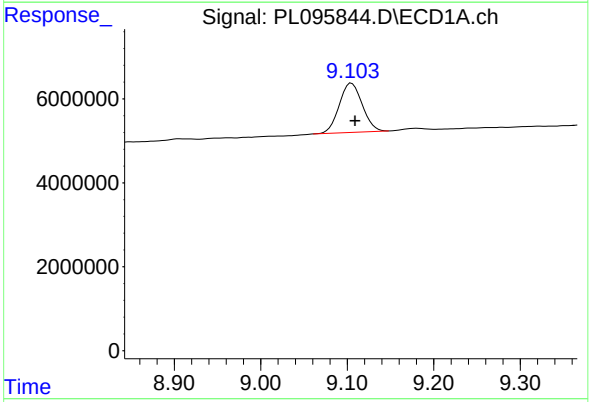
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/02/2025
Supervised By :mohammad ahmed 06/03/2025



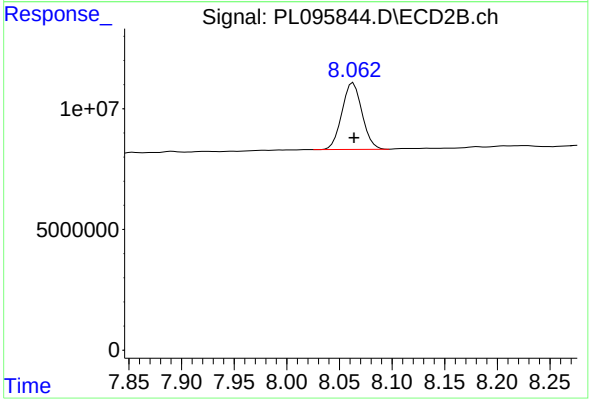
#1 Tetrachloro-m-xylene

R.T.: 2.886 min
Delta R.T.: 0.002 min
Response: 68255122
Conc: 17.44 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.105 min
Delta R.T.: -0.004 min
Response: 21653015
Conc: 9.19 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.063 min
Delta R.T.: 0.000 min
Response: 36843317
Conc: 8.42 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL053025\
Data File : PL095845.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 May 2025 14:05
Operator : AR\AJ
Sample : Q2150-04
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
TP-48

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 30 22:52:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:29:30 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.573	2.886	31781236	38422331	10.072	9.817
28)	SA Decachlor...	9.105	8.063	20281440	32433545	8.607	7.414
	Target Compounds						

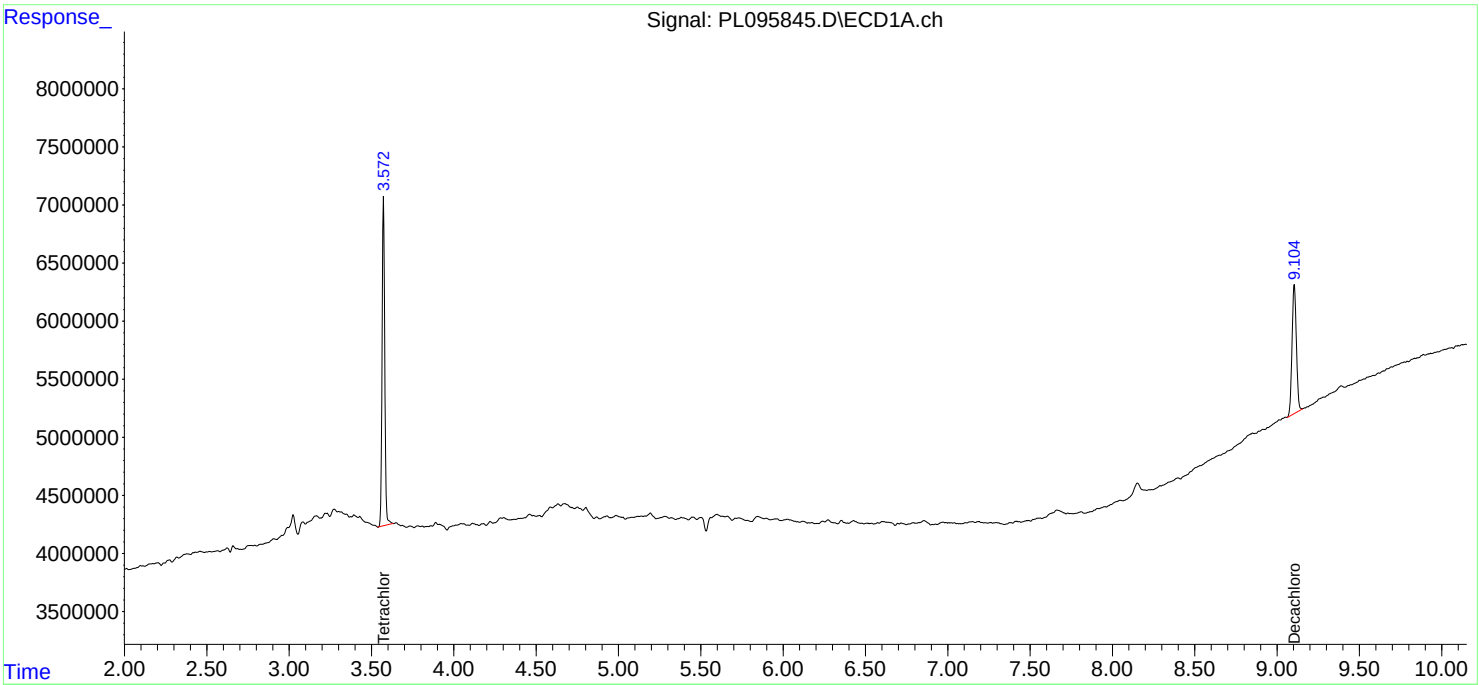
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

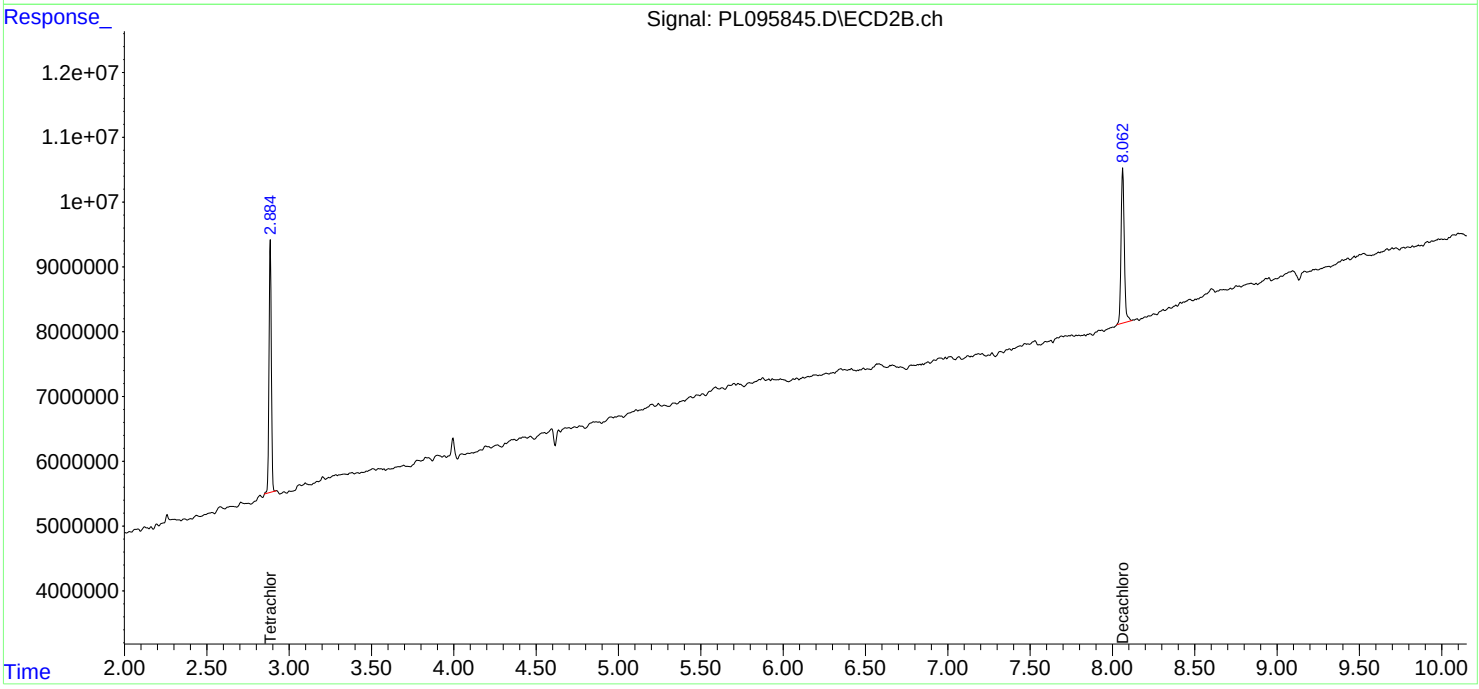
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL053025\
Data File : PL095845.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 May 2025 14:05
Operator : AR\AJ
Sample : Q2150-04
Misc :
ALS Vial : 11 Sample Multiplier: 1

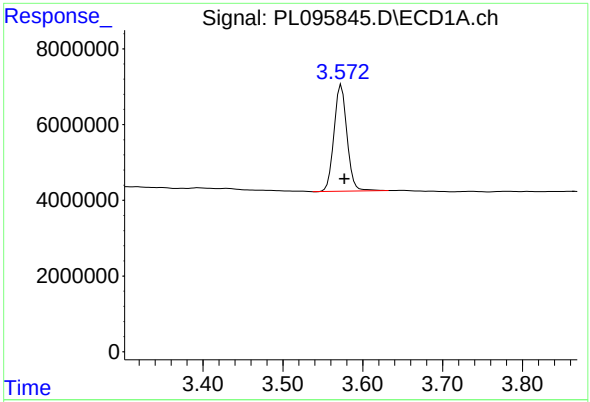
Instrument :
ECD_L
ClientSampleId :
TP-48

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 30 22:52:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:29:30 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm



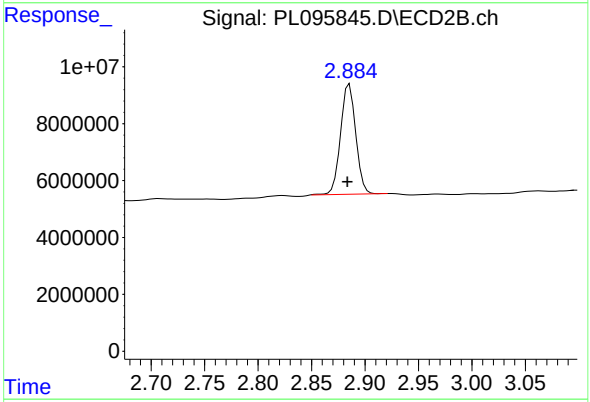




#1 Tetrachloro-m-xylene

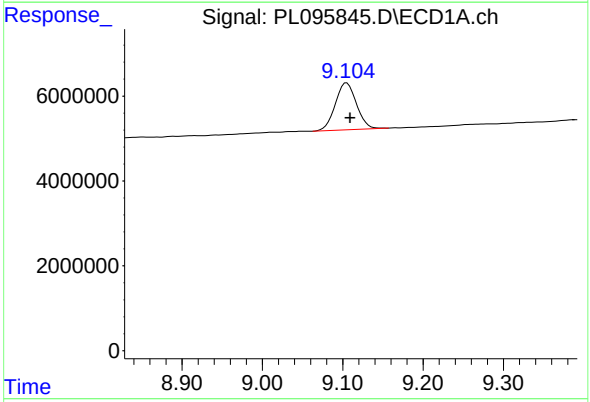
R.T.: 3.573 min
Delta R.T.: -0.004 min
Response: 31781236
Conc: 10.07 ng/ml

Instrument :
ECD_L
ClientSampleId :
TP-48



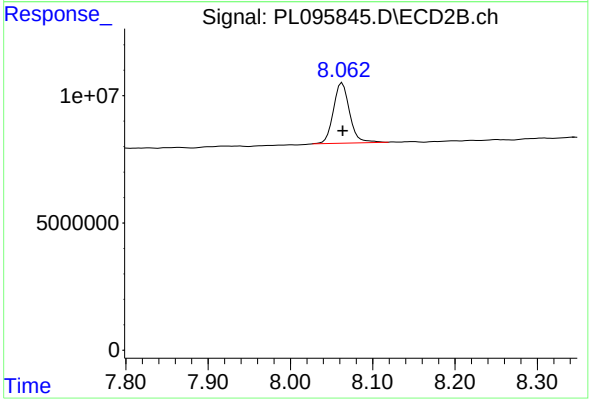
#1 Tetrachloro-m-xylene

R.T.: 2.886 min
Delta R.T.: 0.002 min
Response: 38422331
Conc: 9.82 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.105 min
Delta R.T.: -0.004 min
Response: 20281440
Conc: 8.61 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.063 min
Delta R.T.: 0.000 min
Response: 32433545
Conc: 7.41 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL053025\
Data File : PL095846.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 May 2025 14:18
Operator : AR\AJ
Sample : Q2150-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
TP-47

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/02/2025
Supervised By :mohammad ahmed 06/03/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 30 22:53:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:29:30 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.571	2.886	57844821	72074466	18.333m	18.415
28)	SA Decachlor...	9.106	8.064	26913847	43943693	11.422	10.046
	Target Compounds						

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

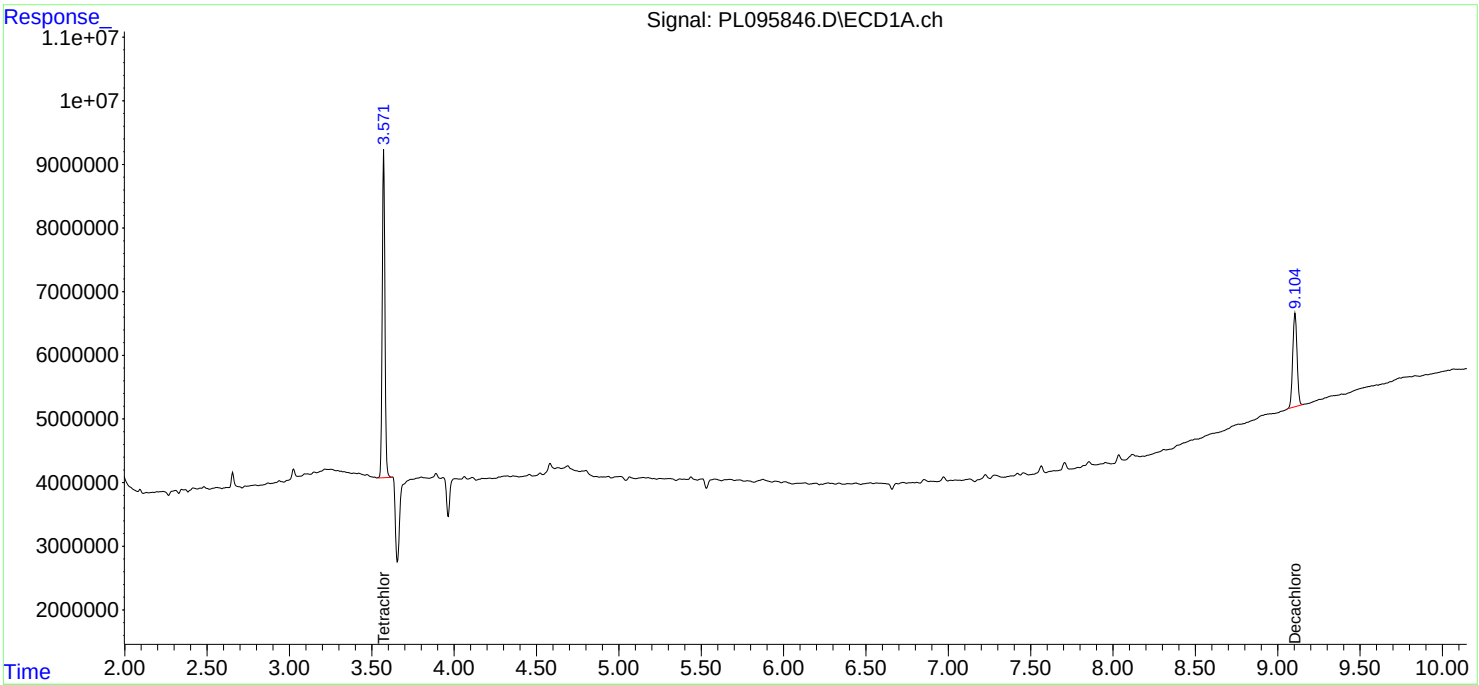
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL053025\
Data File : PL095846.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 May 2025 14:18
Operator : AR\AJ
Sample : Q2150-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

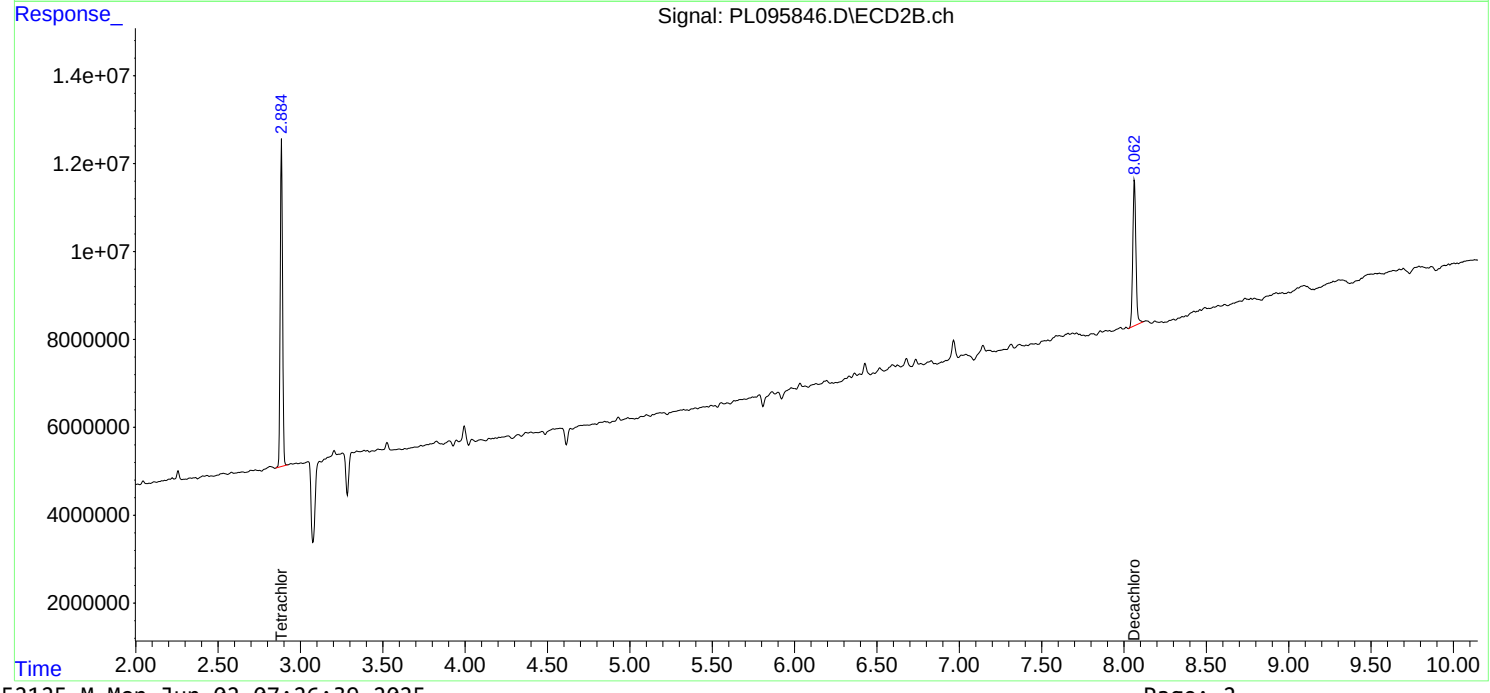
Instrument :
ECD_L
ClientSampleId :
TP-47

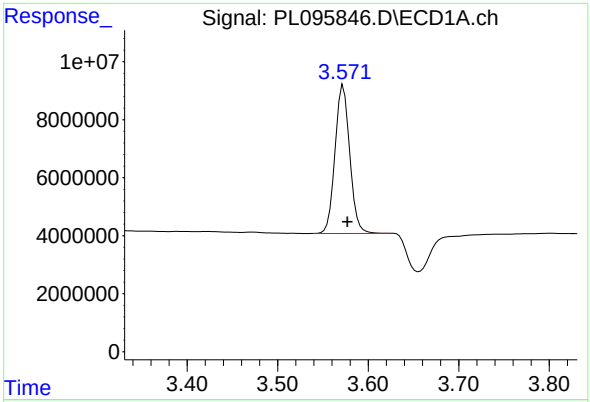
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 06/02/2025
Supervised By :mohammad ahmed 06/03/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 30 22:53:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:29:30 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm







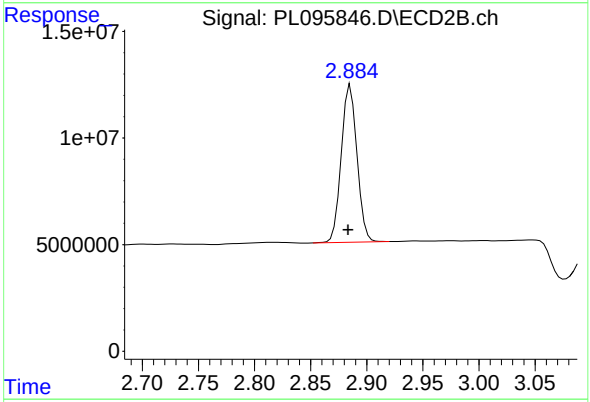
#1 Tetrachloro-m-xylene

R.T.: 3.571 min
Delta R.T.: -0.006 min
Response: 57844821
Conc: 18.33 ng/ml

Instrument :
ECD_L
ClientSampleId :
TP-47

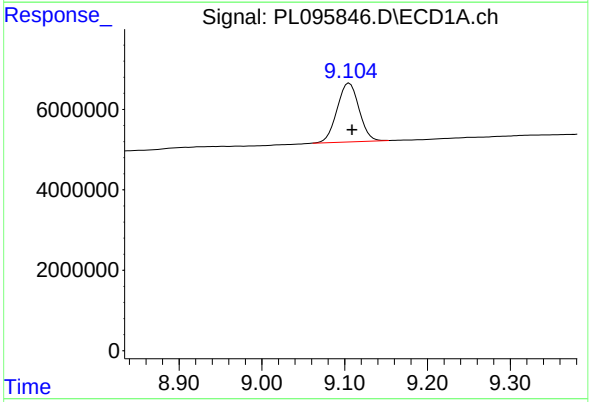
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/02/2025
Supervised By :mohammad ahmed 06/03/2025



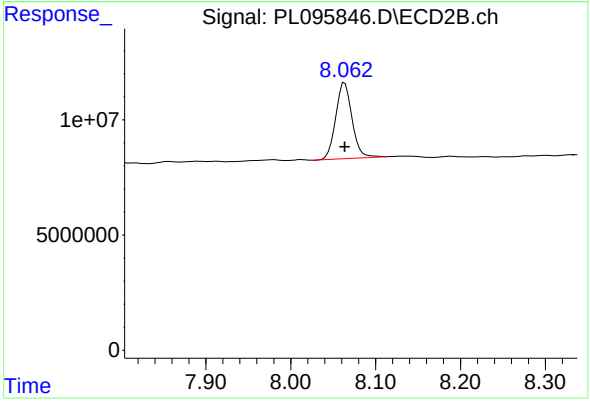
#1 Tetrachloro-m-xylene

R.T.: 2.886 min
Delta R.T.: 0.002 min
Response: 72074466
Conc: 18.41 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.106 min
Delta R.T.: -0.003 min
Response: 26913847
Conc: 11.42 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.064 min
Delta R.T.: 0.000 min
Response: 43943693
Conc: 10.05 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL053025\
Data File : PL095847.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 May 2025 14:32
Operator : AR\AJ
Sample : Q2150-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
TP-50

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/02/2025
Supervised By :mohammad ahmed 06/03/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 30 22:53:09 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:29:30 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.573	2.886	40540572	49606538	12.849	12.674
28)	SA Decachlor...	9.106	8.063	24863221	41101885	10.552	9.396
	Target Compounds						
10)	B gamma-Chl...	5.973	5.121	8055239	4855307	2.070m	0.924m#
11)	B alpha-Chl...	6.058	5.184	14270580	11106458	3.614m	2.135m#

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

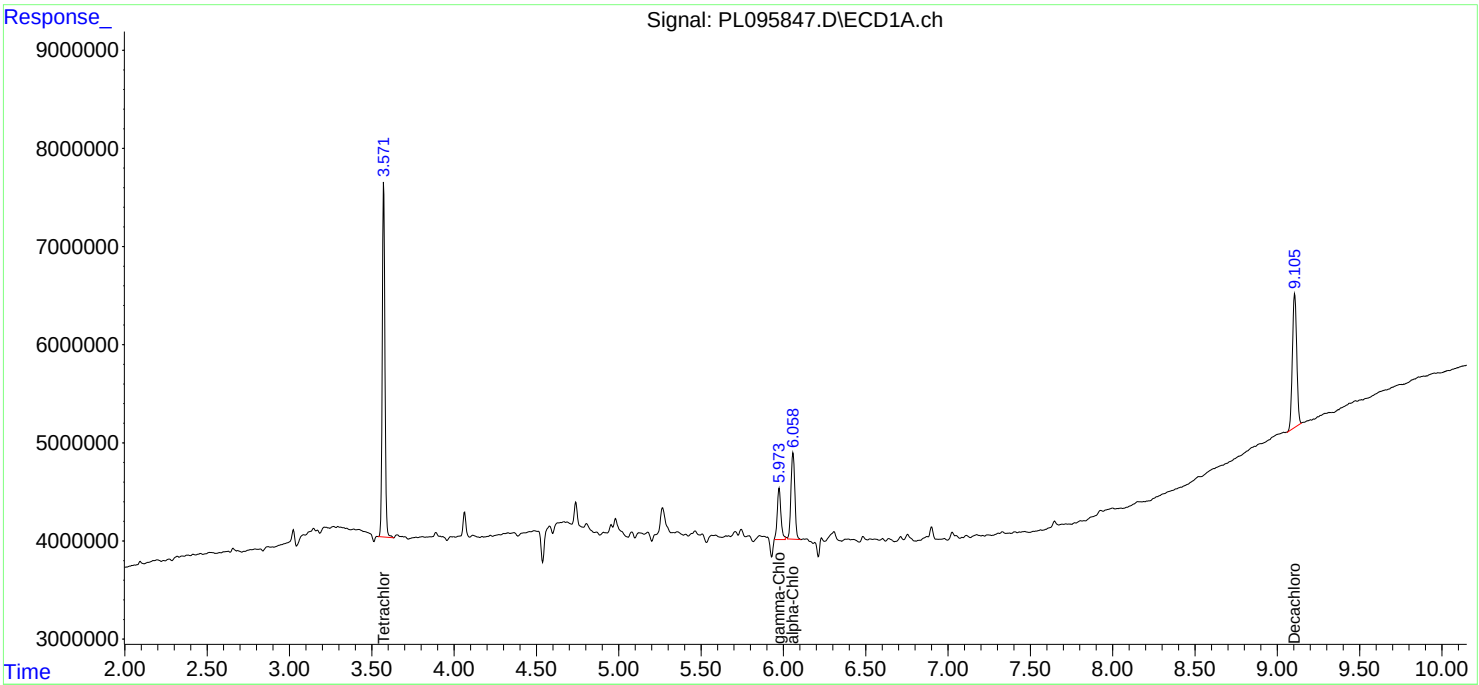
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL053025\
Data File : PL095847.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 May 2025 14:32
Operator : AR\AJ
Sample : Q2150-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

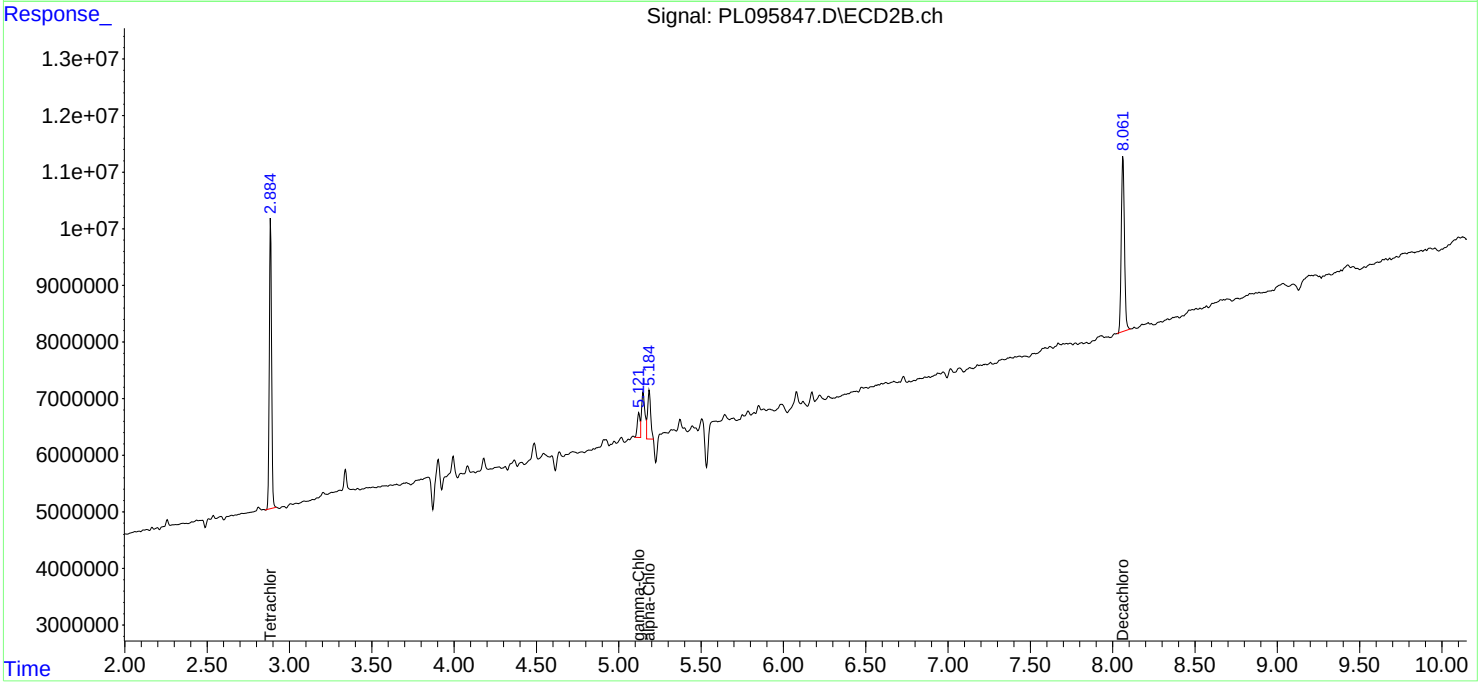
Instrument :
ECD_L
ClientSampleId :
TP-50

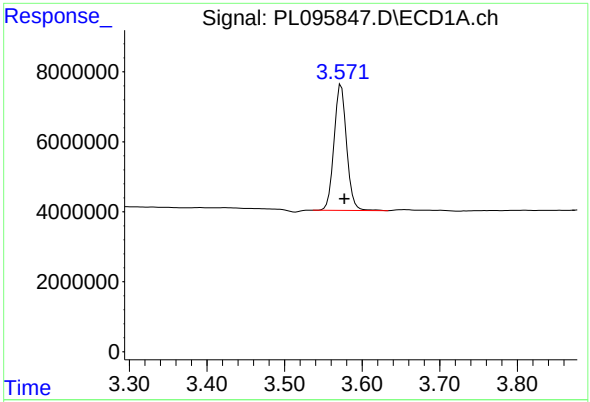
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 06/02/2025
Supervised By :mohammad ahmed 06/03/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 30 22:53:09 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:29:30 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm







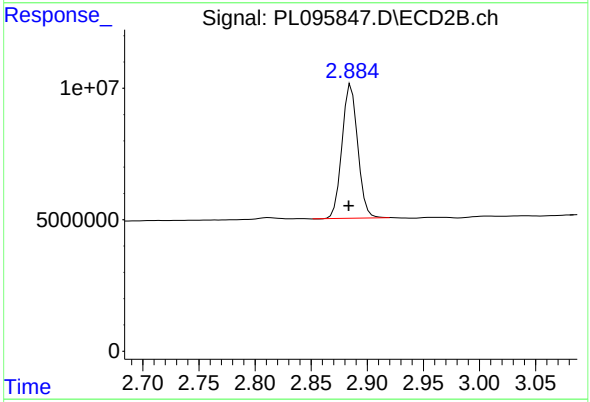
#1 Tetrachloro-m-xylene

R.T.: 3.573 min
Delta R.T.: -0.004 min
Response: 40540572
Conc: 12.85 ng/ml

Instrument :
ECD_L
ClientSampleId :
TP-50

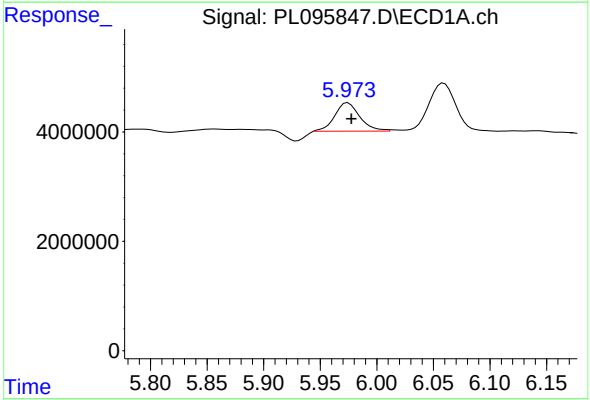
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/02/2025
Supervised By :mohammad ahmed 06/03/2025



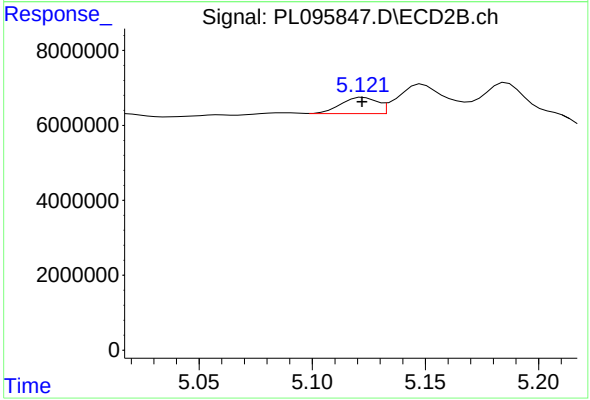
#1 Tetrachloro-m-xylene

R.T.: 2.886 min
Delta R.T.: 0.002 min
Response: 49606538
Conc: 12.67 ng/ml



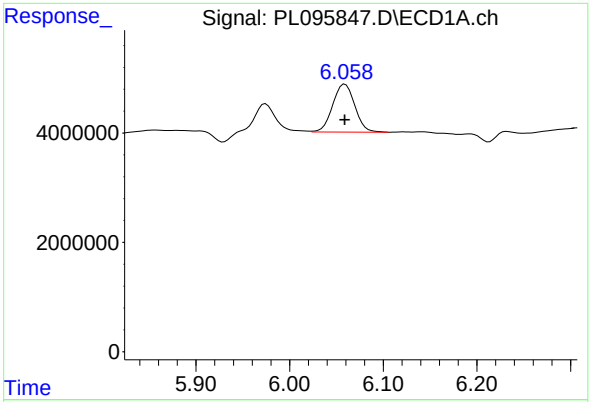
#10 gamma-Chlordane

R.T.: 5.973 min
Delta R.T.: -0.004 min
Response: 8055239
Conc: 2.07 ng/ml m



#10 gamma-Chlordane

R.T.: 5.121 min
Delta R.T.: 0.000 min
Response: 4855307
Conc: 0.92 ng/ml m



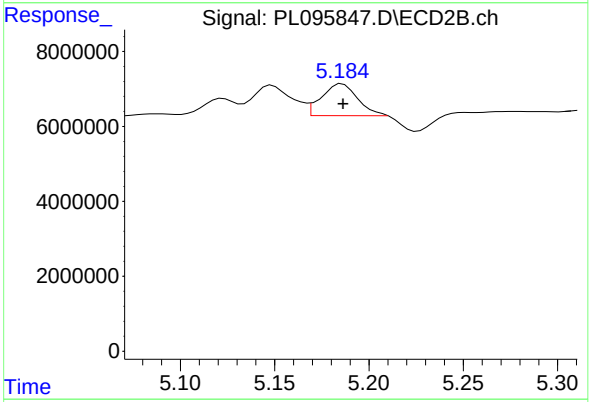
#11 alpha-Chlordane

R.T.: 6.058 min
Delta R.T.: 0.000 min
Response: 14270580
Conc: 3.61 ng/ml

Instrument :
ECD_L
ClientSampleId :
TP-50

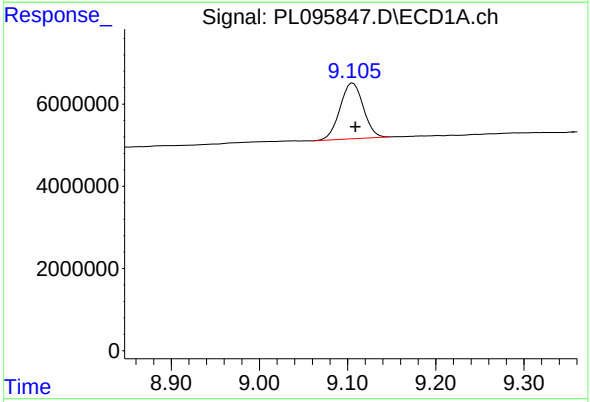
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/02/2025
Supervised By :mohammad ahmed 06/03/2025



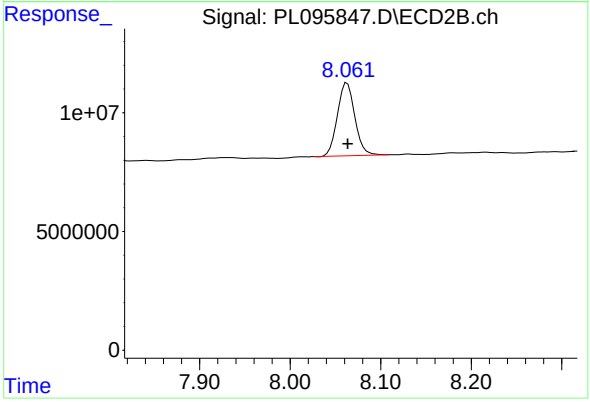
#11 alpha-Chlordane

R.T.: 5.184 min
Delta R.T.: -0.002 min
Response: 11106458
Conc: 2.13 ng/ml m



#28 Decachlorobiphenyl

R.T.: 9.106 min
Delta R.T.: -0.003 min
Response: 24863221
Conc: 10.55 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.063 min
Delta R.T.: 0.000 min
Response: 41101885
Conc: 9.40 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL053025\
Data File : PL095848.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 May 2025 14:46
Operator : AR\AJ
Sample : Q2150-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
TP-51

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/02/2025
Supervised By :mohammad ahmed 06/03/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 30 22:53:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:29:30 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.572	2.886	58123793	71772232	18.421m	18.338
28)	SA Decachlor...	9.104	8.063	24999736	42166068	10.610	9.639
	Target Compounds						

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

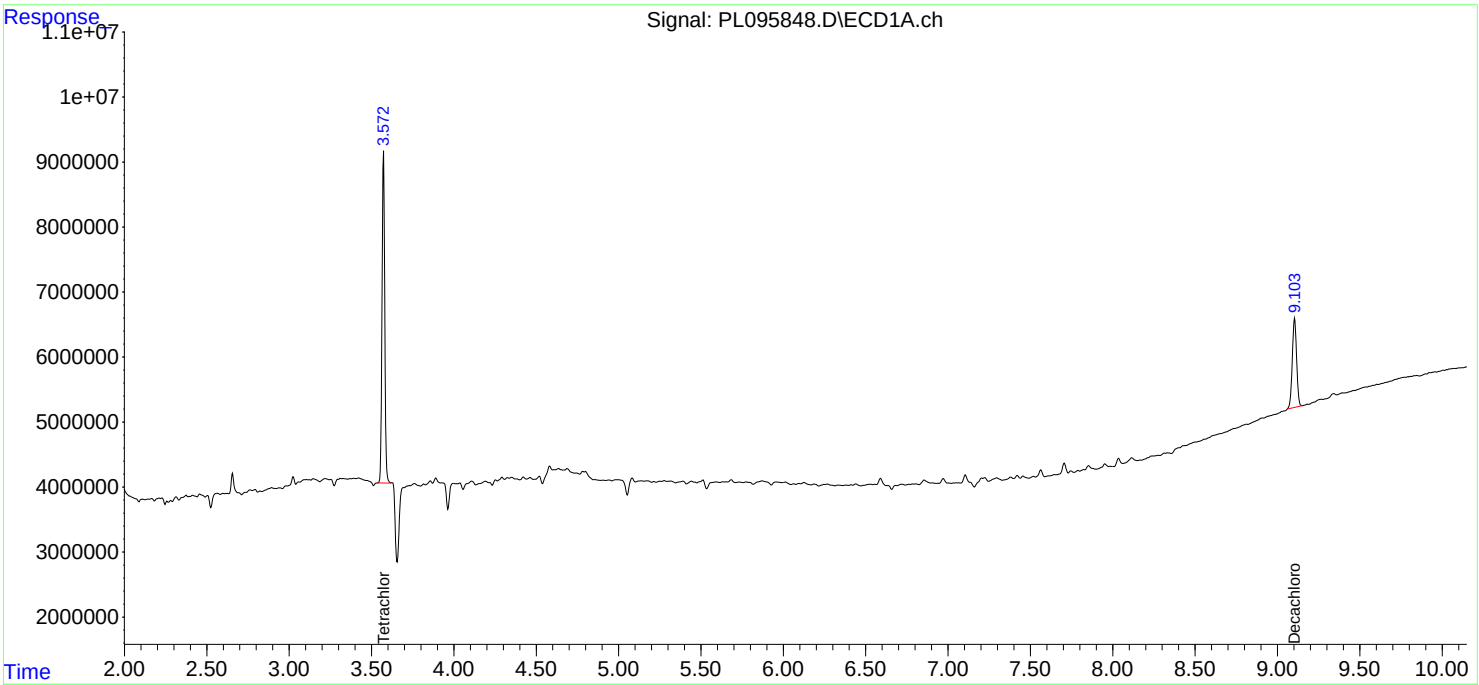
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL053025\
Data File : PL095848.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 May 2025 14:46
Operator : AR\AJ
Sample : Q2150-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

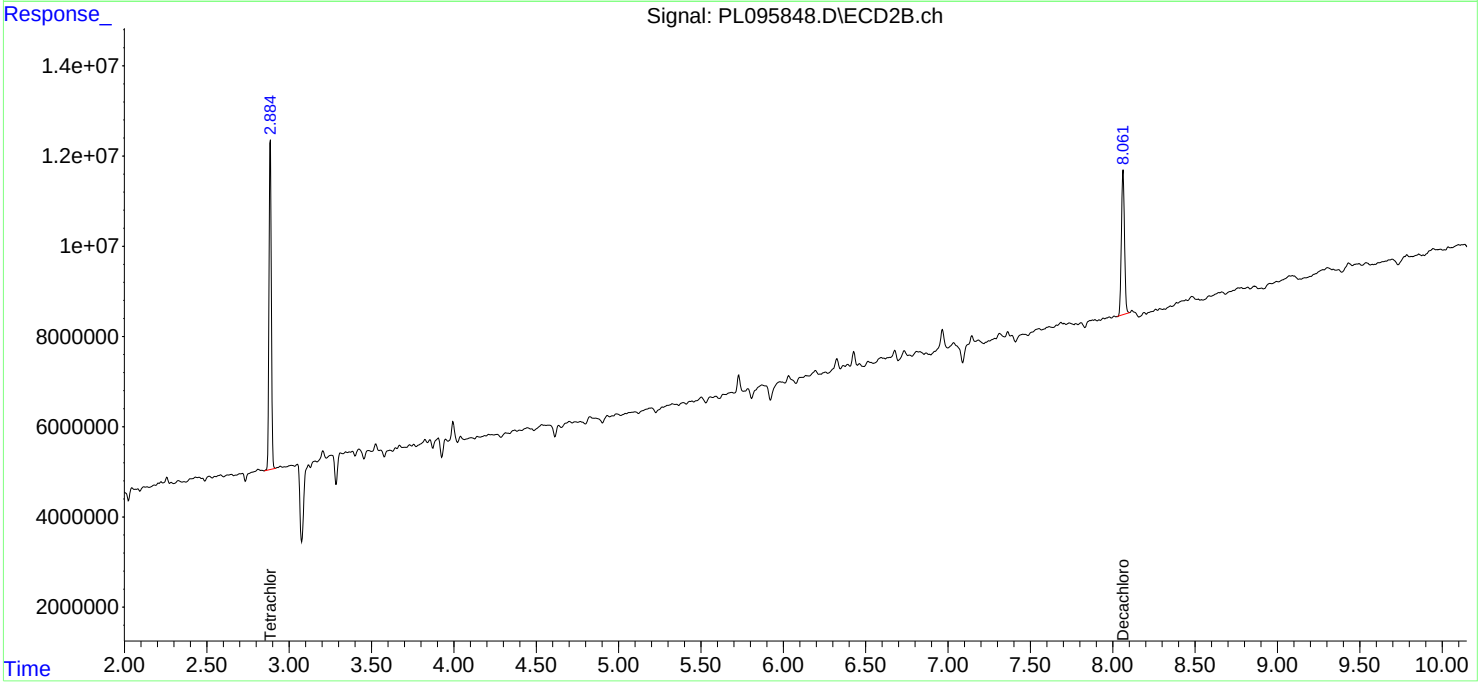
Instrument :
ECD_L
ClientSampleId :
TP-51

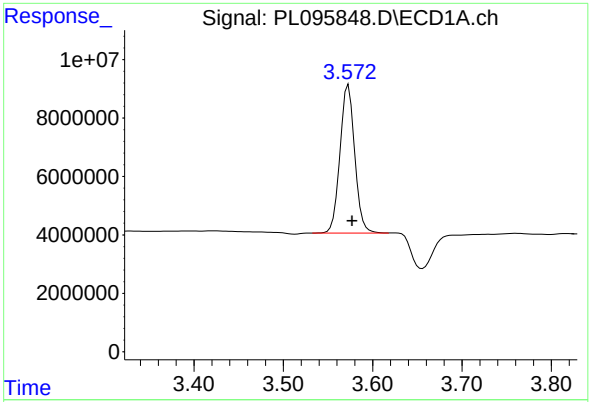
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 06/02/2025
Supervised By :mohammad ahmed 06/03/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 30 22:53:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:29:30 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm







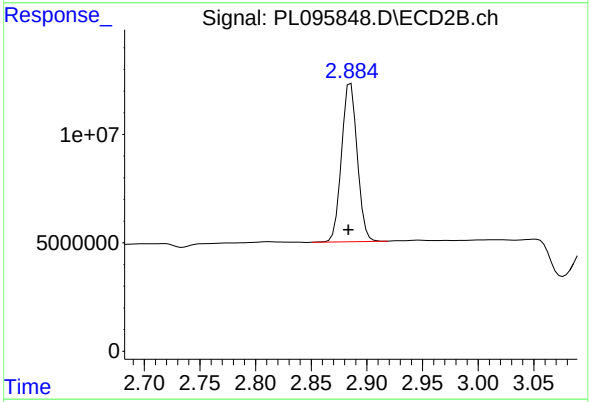
#1 Tetrachloro-m-xylene

R.T.: 3.572 min
Delta R.T.: -0.005 min
Response: 58123793
Conc: 18.42 ng/ml

Instrument :
ECD_L
ClientSampleId :
TP-51

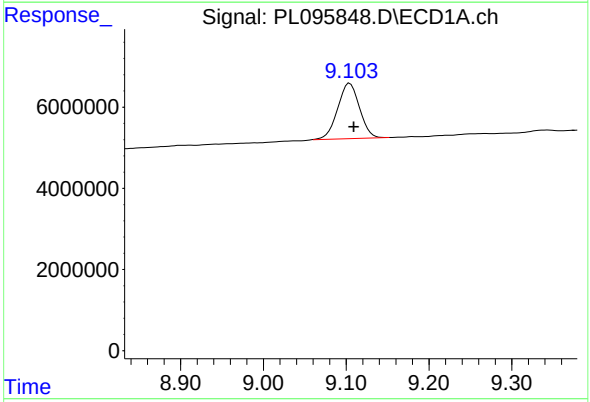
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/02/2025
Supervised By :mohammad ahmed 06/03/2025



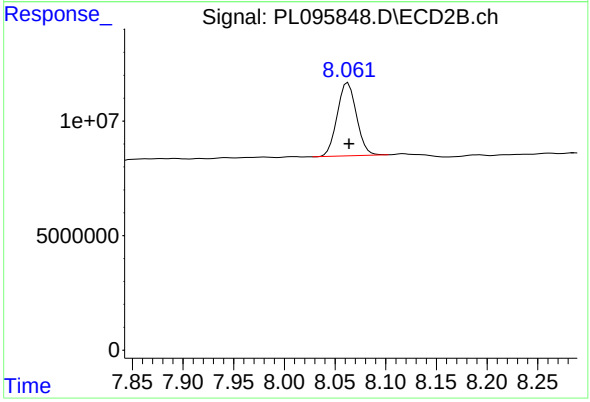
#1 Tetrachloro-m-xylene

R.T.: 2.886 min
Delta R.T.: 0.002 min
Response: 71772232
Conc: 18.34 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.104 min
Delta R.T.: -0.005 min
Response: 24999736
Conc: 10.61 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.063 min
Delta R.T.: 0.000 min
Response: 42166068
Conc: 9.64 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL053025\
Data File : PL095851.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 May 2025 15:26
Operator : AR\AJ
Sample : Q2150-08
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
TP-52

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 30 22:53:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:29:30 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.573	2.886	37853833	46452014	11.997	11.868
28)	SA Decachlor...	9.105	8.063	18413644	31707730	7.815	7.248
	Target Compounds						

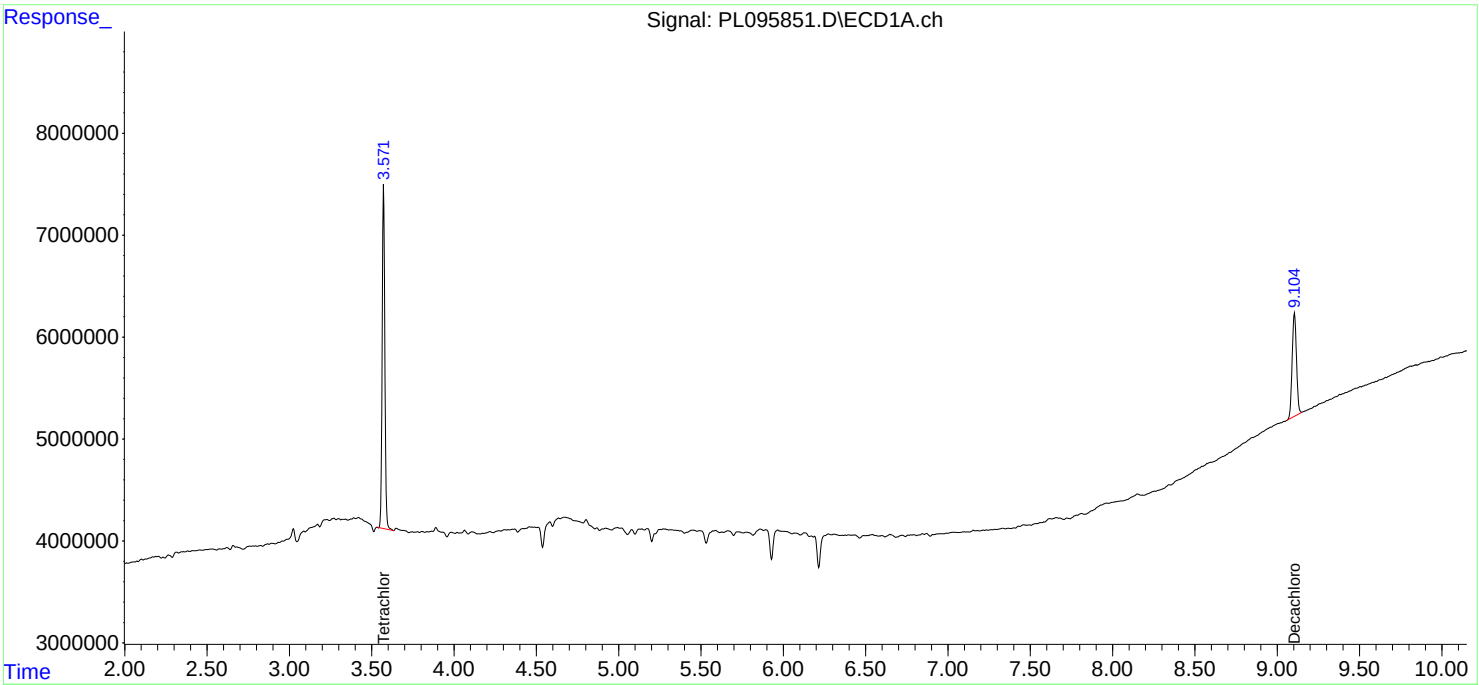
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

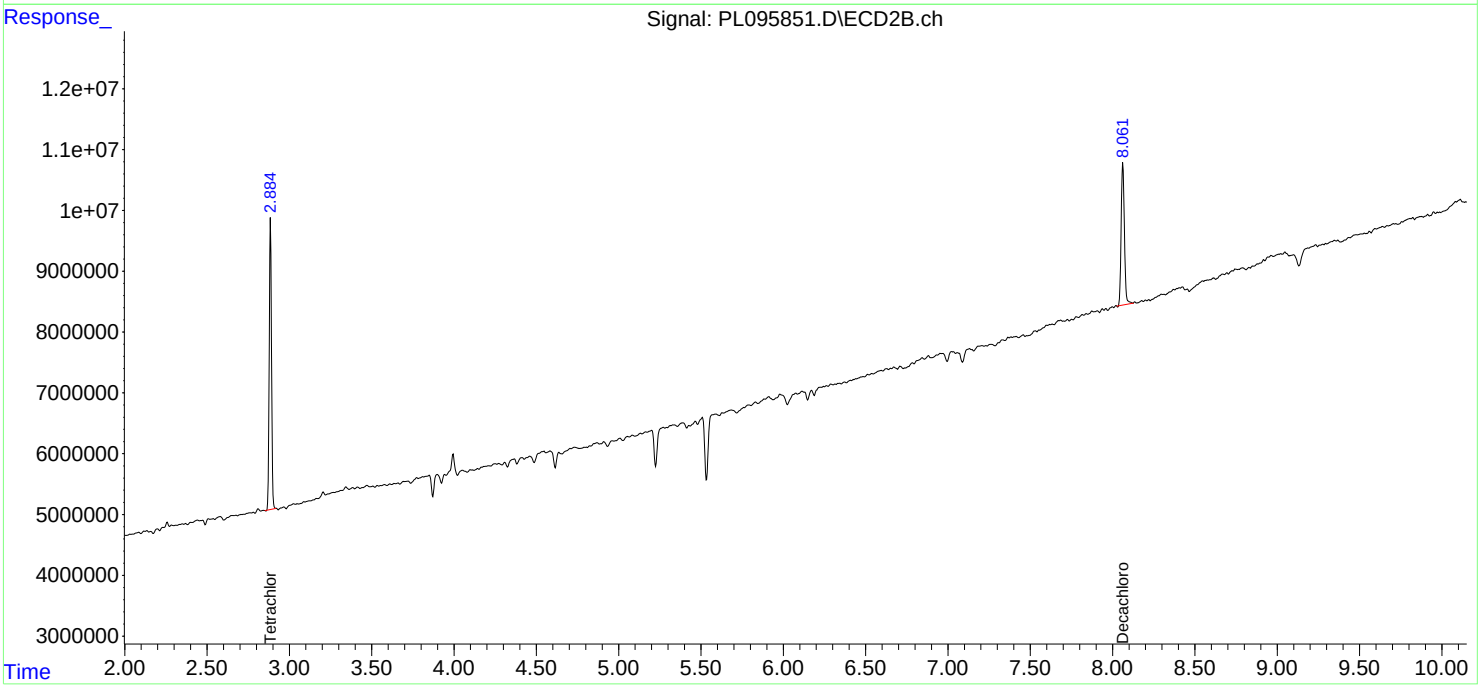
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL053025\
Data File : PL095851.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 May 2025 15:26
Operator : AR\AJ
Sample : Q2150-08
Misc :
ALS Vial : 17 Sample Multiplier: 1

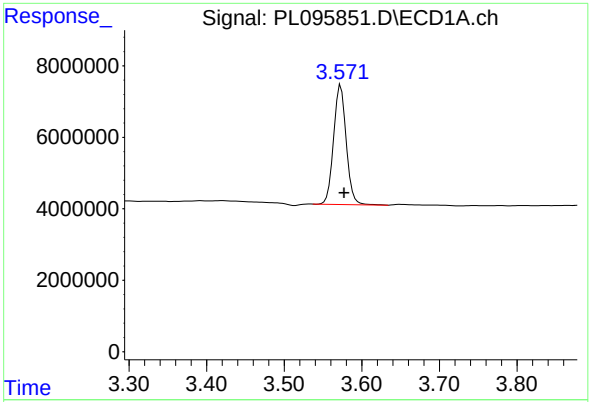
Instrument :
ECD_L
ClientSampleId :
TP-52

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 30 22:53:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:29:30 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm



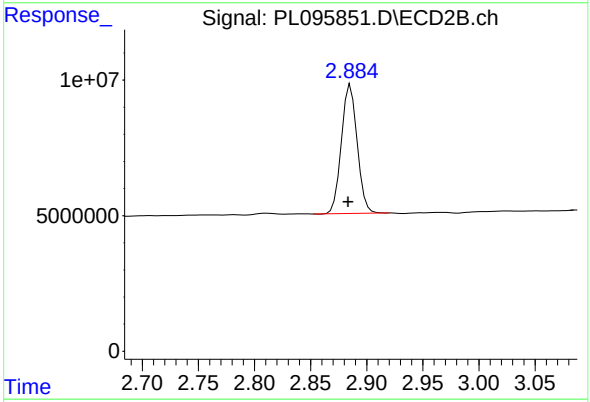




#1 Tetrachloro-m-xylene

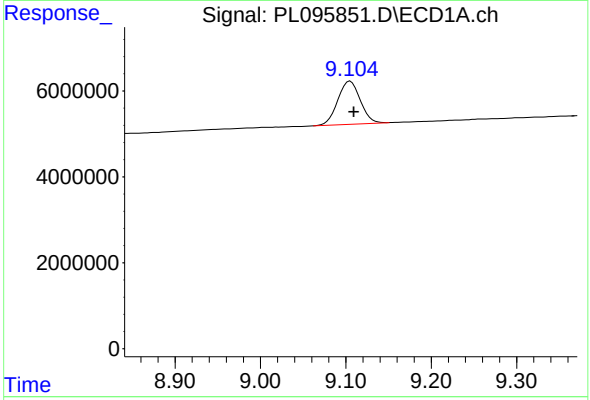
R.T.: 3.573 min
Delta R.T.: -0.004 min
Response: 37853833
Conc: 12.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
TP-52



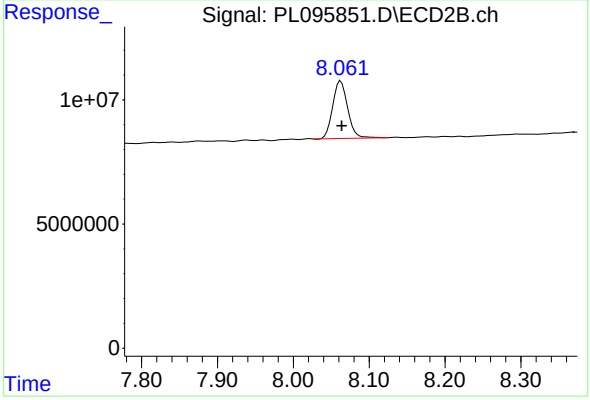
#1 Tetrachloro-m-xylene

R.T.: 2.886 min
Delta R.T.: 0.002 min
Response: 46452014
Conc: 11.87 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.105 min
Delta R.T.: -0.004 min
Response: 18413644
Conc: 7.81 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.063 min
Delta R.T.: -0.001 min
Response: 31707730
Conc: 7.25 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL053025\
Data File : PL095852.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 May 2025 15:40
Operator : AR\AJ
Sample : Q2150-09
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
TP-54

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/02/2025
Supervised By :mohammad ahmed 06/03/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 30 22:54:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:29:30 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.572	2.886	50754470	63501486	16.086m	16.224
28)	SA Decachlor...	9.105	8.063	25211301	44804489	10.699	10.242
	Target Compounds						

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

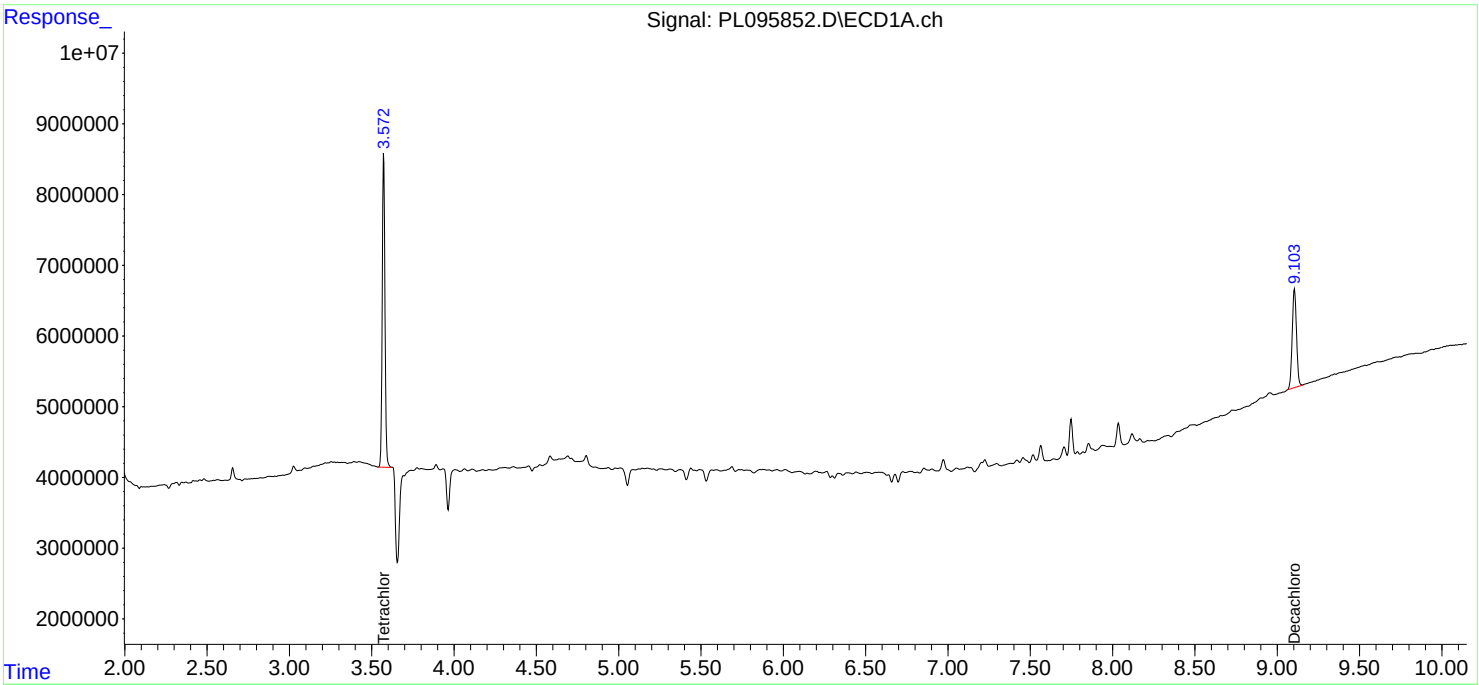
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL053025\
Data File : PL095852.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 May 2025 15:40
Operator : AR\AJ
Sample : Q2150-09
Misc :
ALS Vial : 18 Sample Multiplier: 1

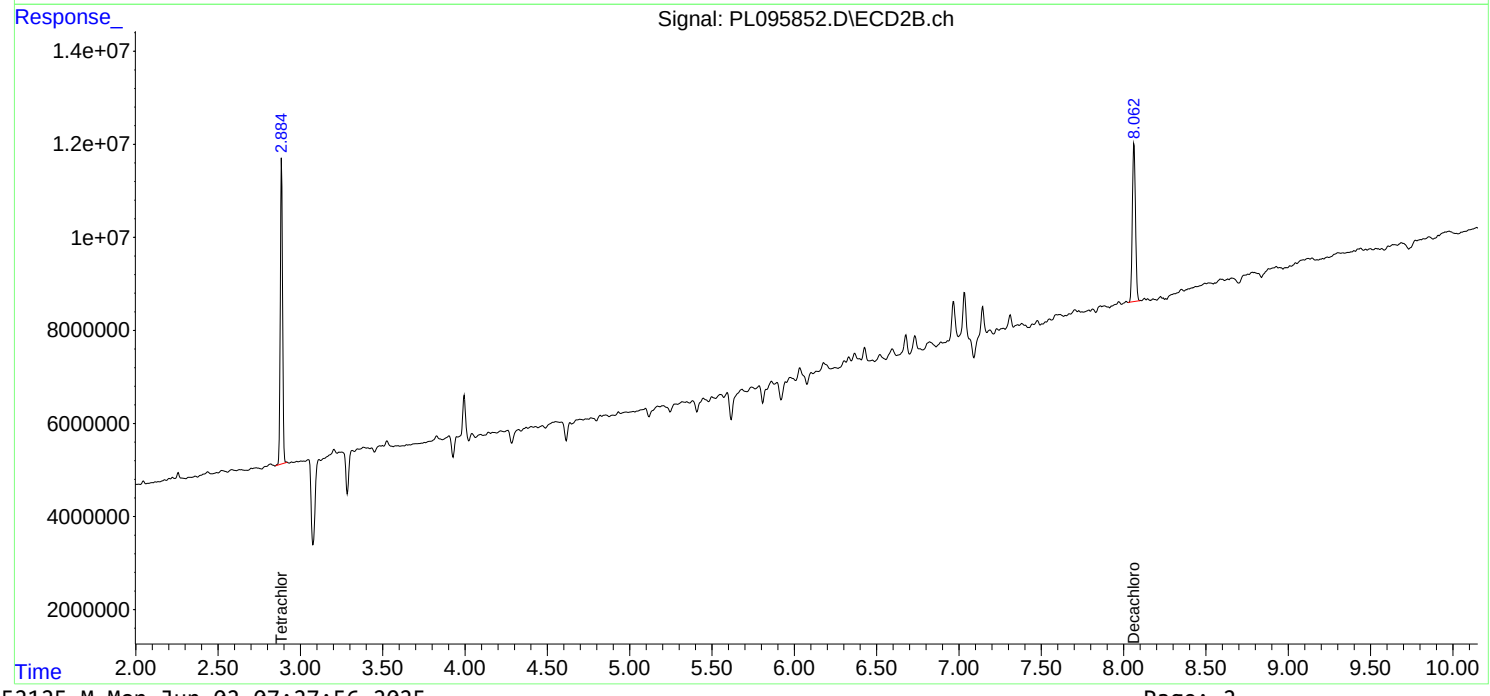
Instrument :
ECD_L
ClientSampleId :
TP-54

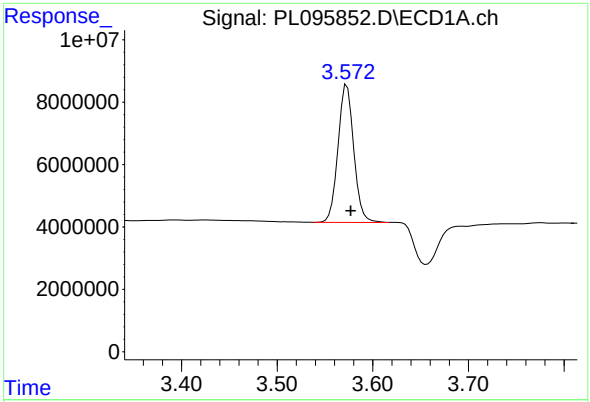
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 06/02/2025
Supervised By :mohammad ahmed 06/03/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 30 22:54:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:29:30 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm







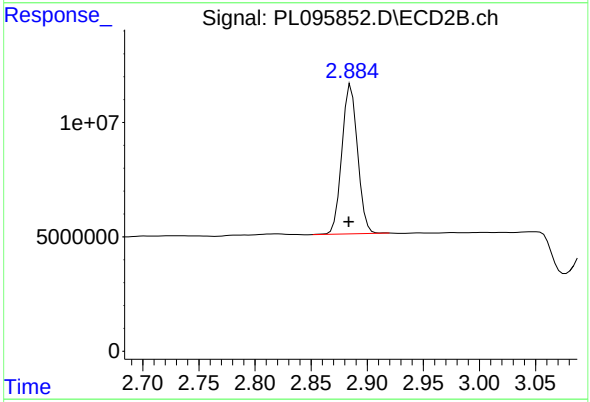
#1 Tetrachloro-m-xylene

R.T.: 3.572 min
Delta R.T.: -0.005 min
Response: 50754470
Conc: 16.09 ng/ml

Instrument :
ECD_L
ClientSampleId :
TP-54

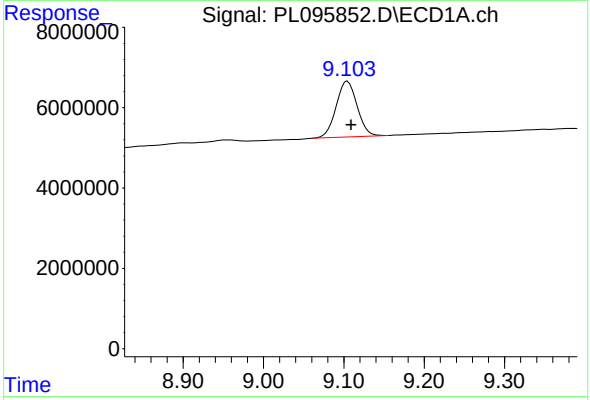
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/02/2025
Supervised By :mohammad ahmed 06/03/2025



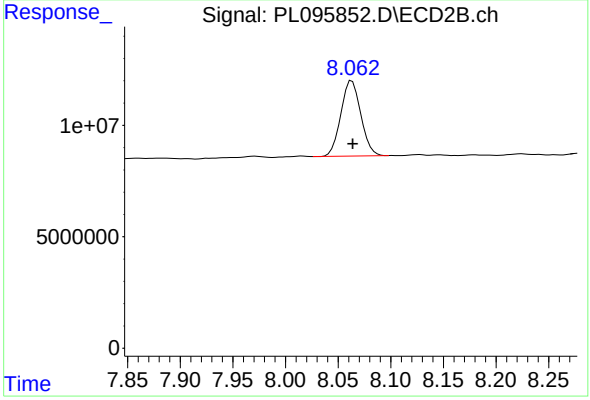
#1 Tetrachloro-m-xylene

R.T.: 2.886 min
Delta R.T.: 0.002 min
Response: 63501486
Conc: 16.22 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.105 min
Delta R.T.: -0.004 min
Response: 25211301
Conc: 10.70 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.063 min
Delta R.T.: 0.000 min
Response: 44804489
Conc: 10.24 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL053025\
Data File : PL095853.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 May 2025 15:54
Operator : AR\AJ
Sample : Q2150-10
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
TP-53

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/02/2025
Supervised By :mohammad ahmed 06/03/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 30 22:54:18 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:29:30 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.572	2.885	57163232	72015639	18.117m	18.400
28)	SA Decachlor...	9.105	8.063	28749887	51660986	12.201	11.810
	Target Compounds						

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

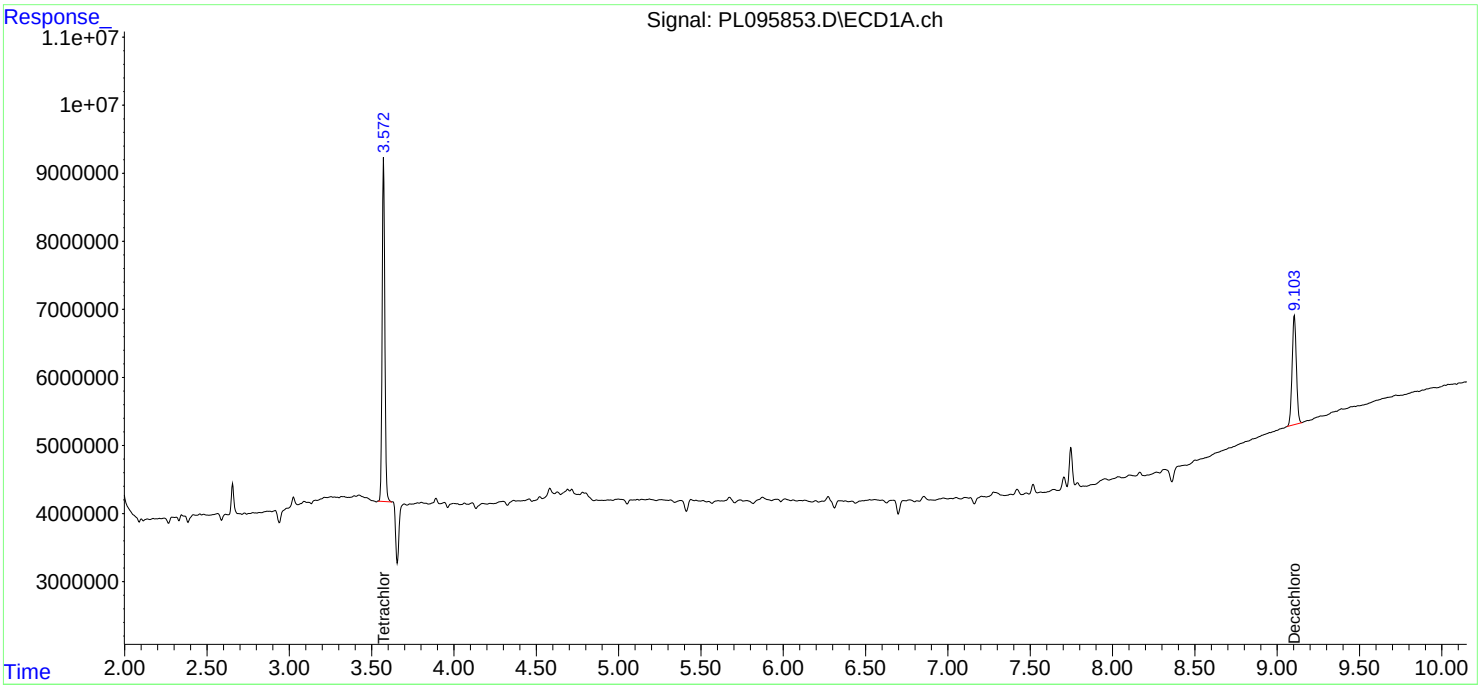
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL053025\
Data File : PL095853.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 May 2025 15:54
Operator : AR\AJ
Sample : Q2150-10
Misc :
ALS Vial : 19 Sample Multiplier: 1

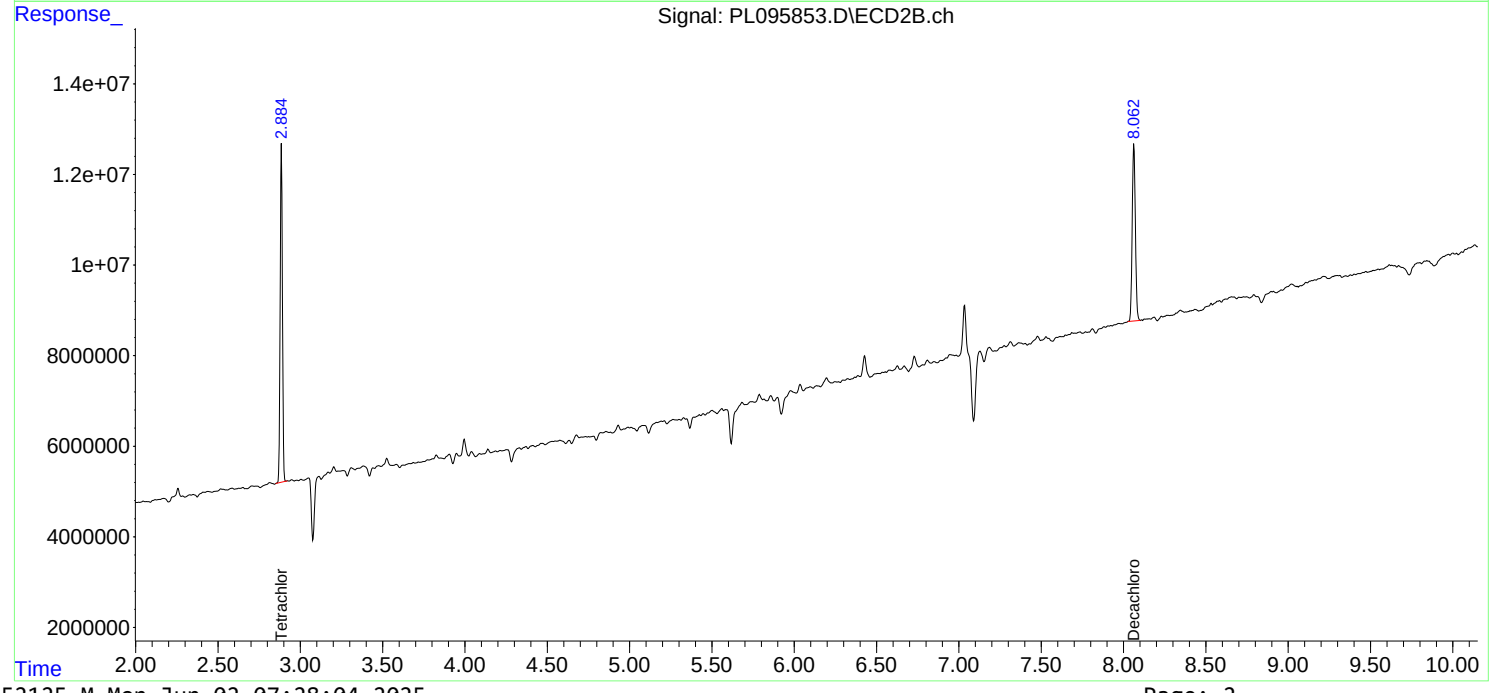
Instrument :
ECD_L
ClientSampleId :
TP-53

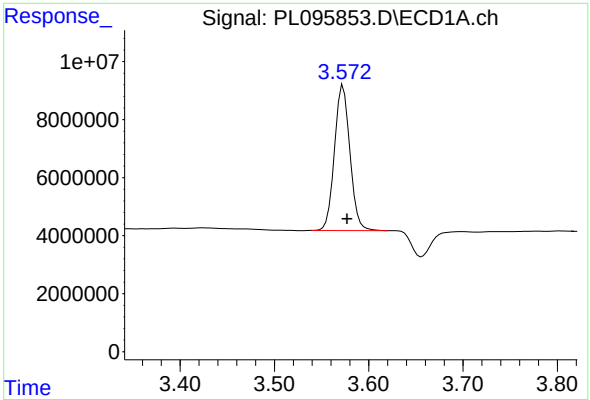
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 06/02/2025
Supervised By :mohammad ahmed 06/03/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 30 22:54:18 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:29:30 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm







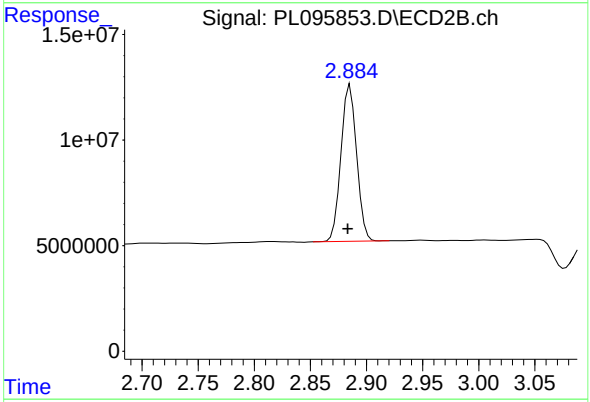
#1 Tetrachloro-m-xylene

R.T.: 3.572 min
Delta R.T.: -0.005 min
Response: 57163232
Conc: 18.12 ng/ml

Instrument :
ECD_L
ClientSampleId :
TP-53

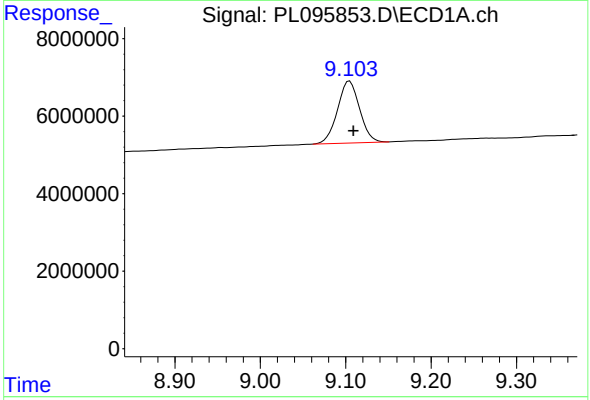
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/02/2025
Supervised By :mohammad ahmed 06/03/2025



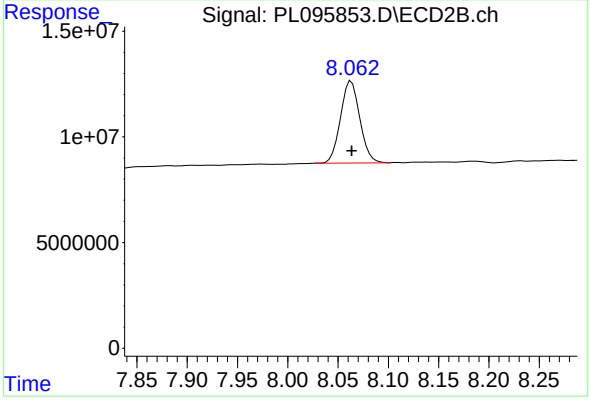
#1 Tetrachloro-m-xylene

R.T.: 2.885 min
Delta R.T.: 0.002 min
Response: 72015639
Conc: 18.40 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.105 min
Delta R.T.: -0.004 min
Response: 28749887
Conc: 12.20 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.063 min
Delta R.T.: 0.000 min
Response: 51660986
Conc: 11.81 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL053025\
Data File : PL095840.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 May 2025 12:57
Operator : AR\AJ
Sample : PB168209BL
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PB168209BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 30 22:51:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:29:30 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.576	2.883	64933194	80350436	20.579	20.529
28)	SA Decachlor...	9.110	8.063	42520177	74723483	18.045	17.082
	Target Compounds						

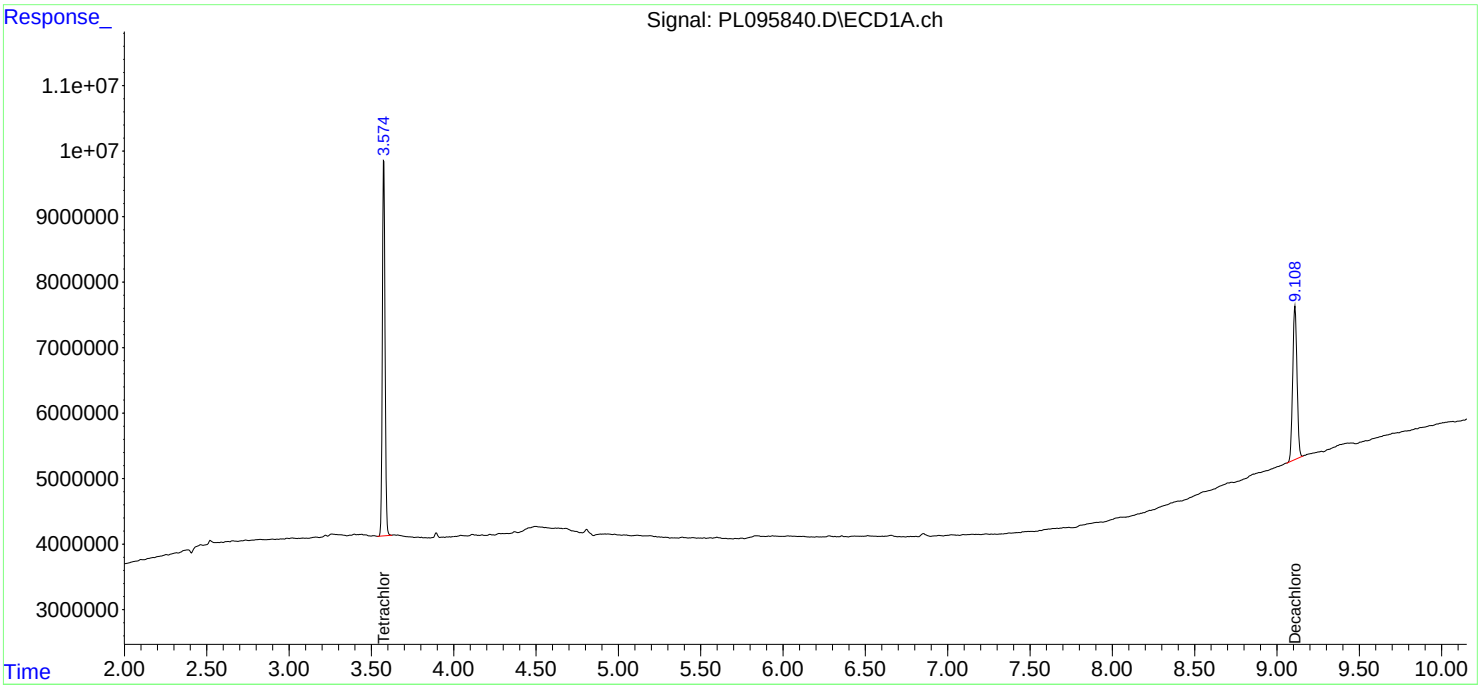
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

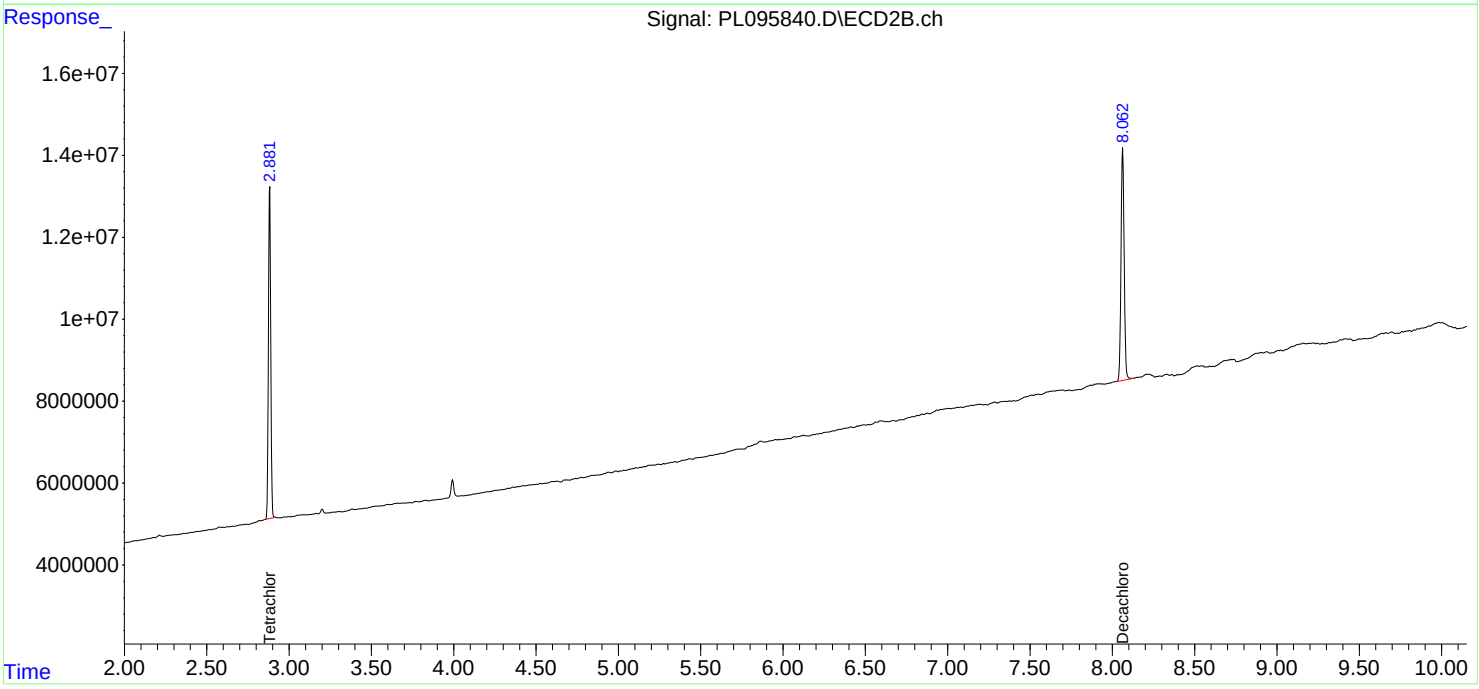
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL053025\
Data File : PL095840.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 May 2025 12:57
Operator : AR\AJ
Sample : PB168209BL
Misc :
ALS Vial : 6 Sample Multiplier: 1

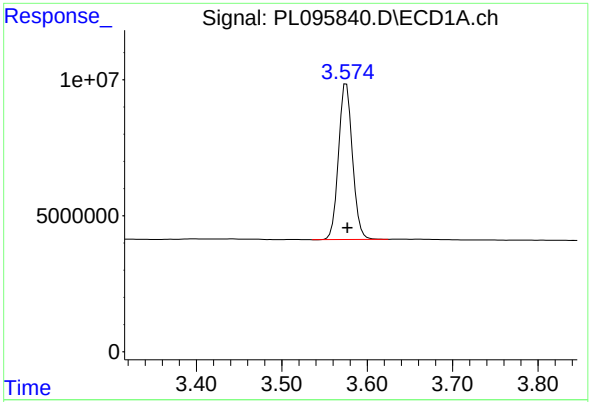
Instrument :
ECD_L
ClientSampleId :
PB168209BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 30 22:51:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:29:30 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm



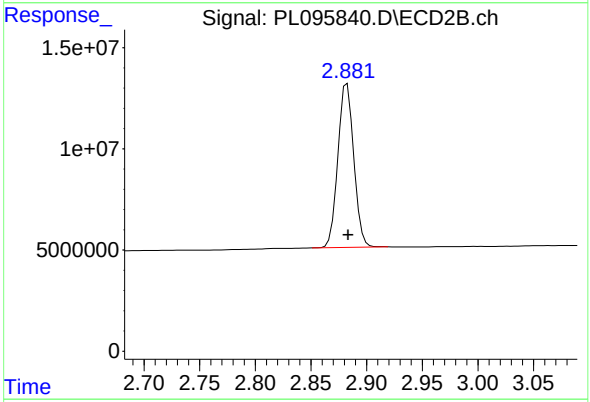




#1 Tetrachloro-m-xylene

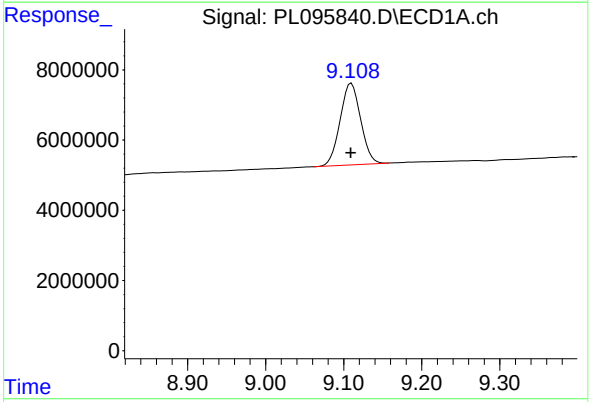
R.T.: 3.576 min
Delta R.T.: -0.001 min
Response: 64933194
Conc: 20.58 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168209BL



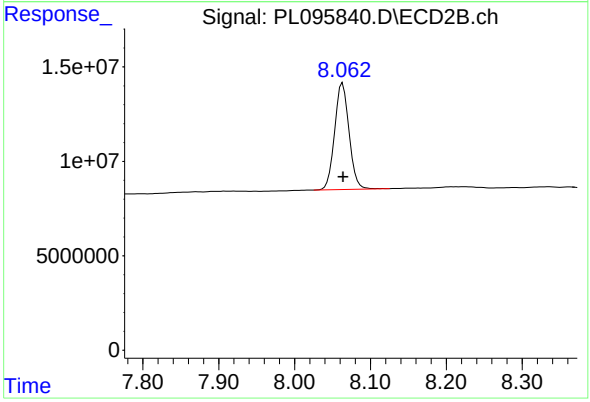
#1 Tetrachloro-m-xylene

R.T.: 2.883 min
Delta R.T.: 0.000 min
Response: 80350436
Conc: 20.53 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.110 min
Delta R.T.: 0.000 min
Response: 42520177
Conc: 18.05 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.063 min
Delta R.T.: 0.000 min
Response: 74723483
Conc: 17.08 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL053025\
Data File : PL095854.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 May 2025 16:07
Operator : AR\AJ
Sample : PB168209BS
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PB168209BS

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 06/02/2025
Supervised By :mohammad ahmed 06/03/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 30 22:54:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:29:30 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.572	2.886	68956154	85970625	21.854	21.965
28)	SA Decachlor...	9.105	8.064	45513665	84079413	19.315	19.221
	Target Compounds						
2)	A alpha-BHC	4.025	3.396	250.9E6	317.2E6	51.754	54.161
3)	MA gamma-BHC...	4.356	3.729	231.8E6	300.4E6	51.845	53.627
4)	MA Heptachlor	4.954	4.082	183.9E6	284.5E6	48.576	50.717
5)	MB Aldrin	5.297	4.367	218.4E6	287.2E6	51.056	54.118
6)	B beta-BHC	4.544	4.025	99486083	121.4E6	50.466	49.002
7)	B delta-BHC	4.792	4.260	213.2E6	283.6E6	48.087	50.213
8)	B Heptachlo...	5.718	4.870	194.7E6	262.5E6	51.007	53.160
9)	A Endosulfan I	6.102	5.242	183.1E6	240.8E6	49.952	50.536
10)	B gamma-Chl...	5.972	5.122	197.7E6	278.6E6	50.802m	53.031
11)	B alpha-Chl...	6.054	5.186	196.8E6	272.3E6	49.852	52.340
12)	B 4,4'-DDE	6.224	5.374	178.7E6	275.1E6	48.712	51.313
13)	MA Dieldrin	6.375	5.507	192.5E6	278.5E6	49.878	52.555
14)	MA Endrin	6.603	5.782	141.4E6	229.9E6	43.836	47.141
15)	B Endosulfa...	6.816	6.073	161.5E6	242.5E6	46.858	51.025
16)	A 4,4'-DDD	6.735	5.925	150.3E6	236.8E6	51.299	54.008
17)	MA 4,4'-DDT	7.051	6.179	112.3E6	203.6E6	41.512	42.563
18)	B Endrin al...	6.945	6.250	115.9E6	176.6E6	47.945	51.121
19)	B Endosulfa...	7.179	6.474	139.7E6	220.2E6	46.754	48.999
20)	A Methoxychlor	7.523	6.749	52401262	104.2E6	41.089	39.827
21)	B Endrin ke...	7.661	6.980	157.1E6	261.8E6	49.610	50.609
22)	Mirex	8.142	7.173	108.1E6	186.6E6	46.706	45.958

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

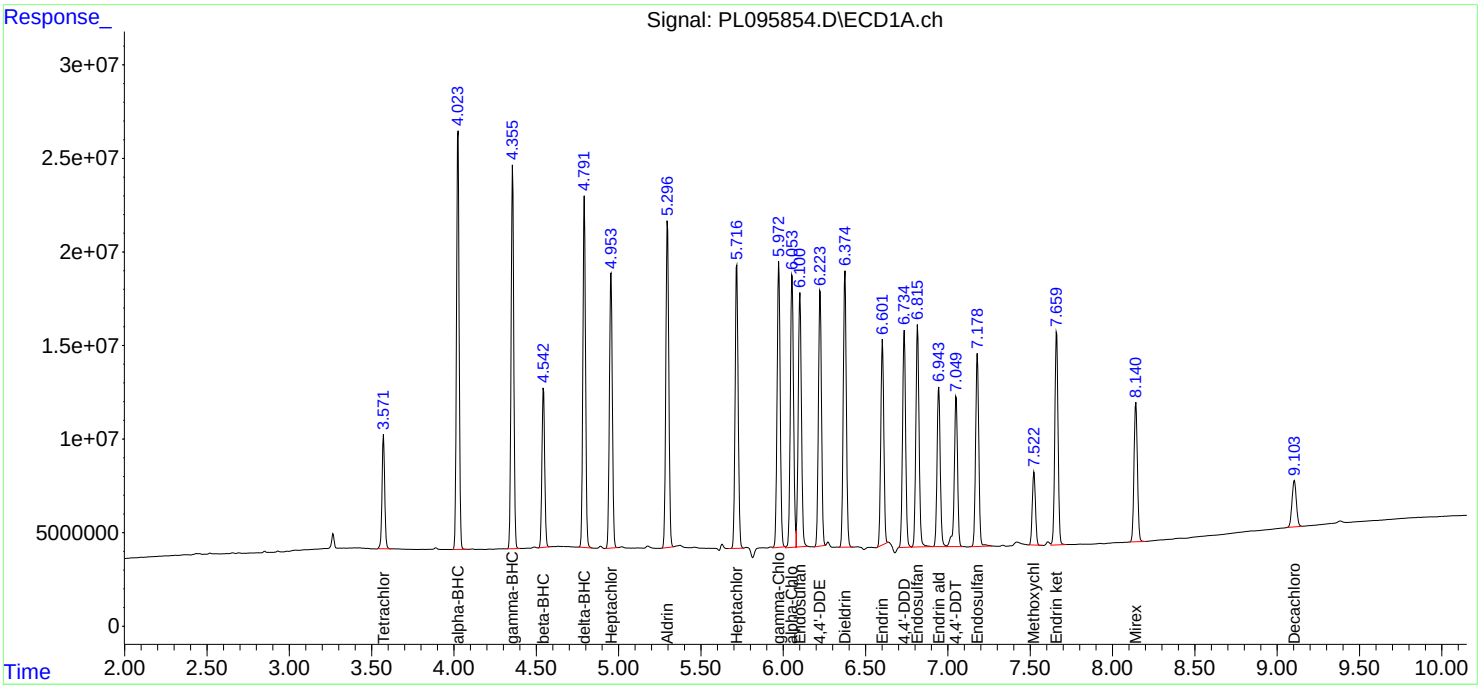
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL053025\
Data File : PL095854.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 May 2025 16:07
Operator : AR\AJ
Sample : PB168209BS
Misc :
ALS Vial : 7 Sample Multiplier: 1

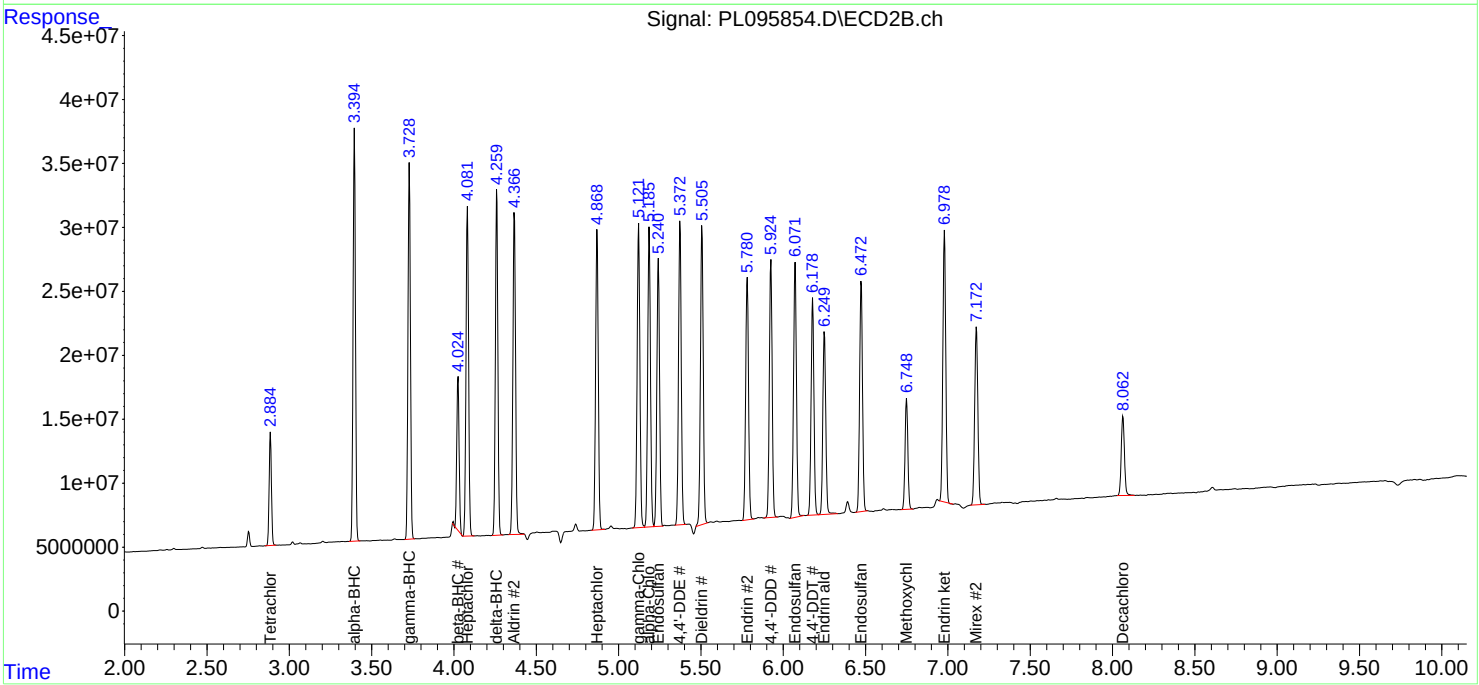
Instrument :
ECD_L
ClientSampleId :
PB168209BS

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 06/02/2025
Supervised By :mohammad ahmed 06/03/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 30 22:54:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:29:30 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm





Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL053025\
Data File : PL095849.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 May 2025 14:59
Operator : AR\AJ
Sample : Q2150-07MS
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
TP-51MS

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 06/02/2025
Supervised By :mohammad ahmed 06/03/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 30 22:53:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:29:30 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.571	2.886	46026539	56802519	14.587m	14.513
28)	SA Decachlor...	9.104	8.063	19956949	35065244	8.469	8.016
	Target Compounds						
2)	A alpha-BHC	4.024	3.396	240.3E6	300.1E6	49.576	51.241
3)	MA gamma-BHC...	4.356	3.729	220.6E6	285.8E6	49.328	51.023
4)	MA Heptachlor	4.955	4.082	172.3E6	269.3E6	45.525	48.005
5)	MB Aldrin	5.298	4.367	206.9E6	267.5E6	48.364	50.405
6)	B beta-BHC	4.544	4.025	93065263	117.8E6	47.209	47.528
7)	B delta-BHC	4.792	4.260	215.9E6	283.1E6	48.699	50.133
8)	B Heptachlo...	5.719	4.869	183.3E6	245.4E6	48.032	49.697
9)	A Endosulfan I	6.102	5.242	171.4E6	229.7E6	46.766	48.197
10)	B gamma-Chl...	5.974	5.121	185.6E6	257.2E6	47.683	48.967
11)	B alpha-Chl...	6.055	5.186	182.8E6	254.6E6	46.307	48.937
12)	B 4,4'-DDE	6.225	5.372	168.0E6	254.8E6	45.802	47.516
13)	MA Dieldrin	6.376	5.507	179.2E6	253.8E6	46.432	47.882
14)	MA Endrin	6.603	5.781	137.6E6	216.3E6	42.653	44.362
15)	B Endosulfa...	6.816	6.072	148.6E6	221.4E6	43.135	46.583
16)	A 4,4'-DDD	6.735	5.925	138.7E6	206.0E6	47.314	46.979
17)	MA 4,4'-DDT	7.051	6.178	103.5E6	190.8E6	38.265	39.897
18)	B Endrin al...	6.945	6.250	111.1E6	164.6E6	45.934	47.657
19)	B Endosulfa...	7.179	6.474	127.4E6	202.0E6	42.666	44.937
20)	A Methoxychlor	7.524	6.749	49499322	100.1E6	38.813	38.257
21)	B Endrin ke...	7.660	6.979	141.9E6	239.8E6	44.813	46.347
22)	Mirex	8.143	7.173	100.9E6	174.0E6	43.630	42.846

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

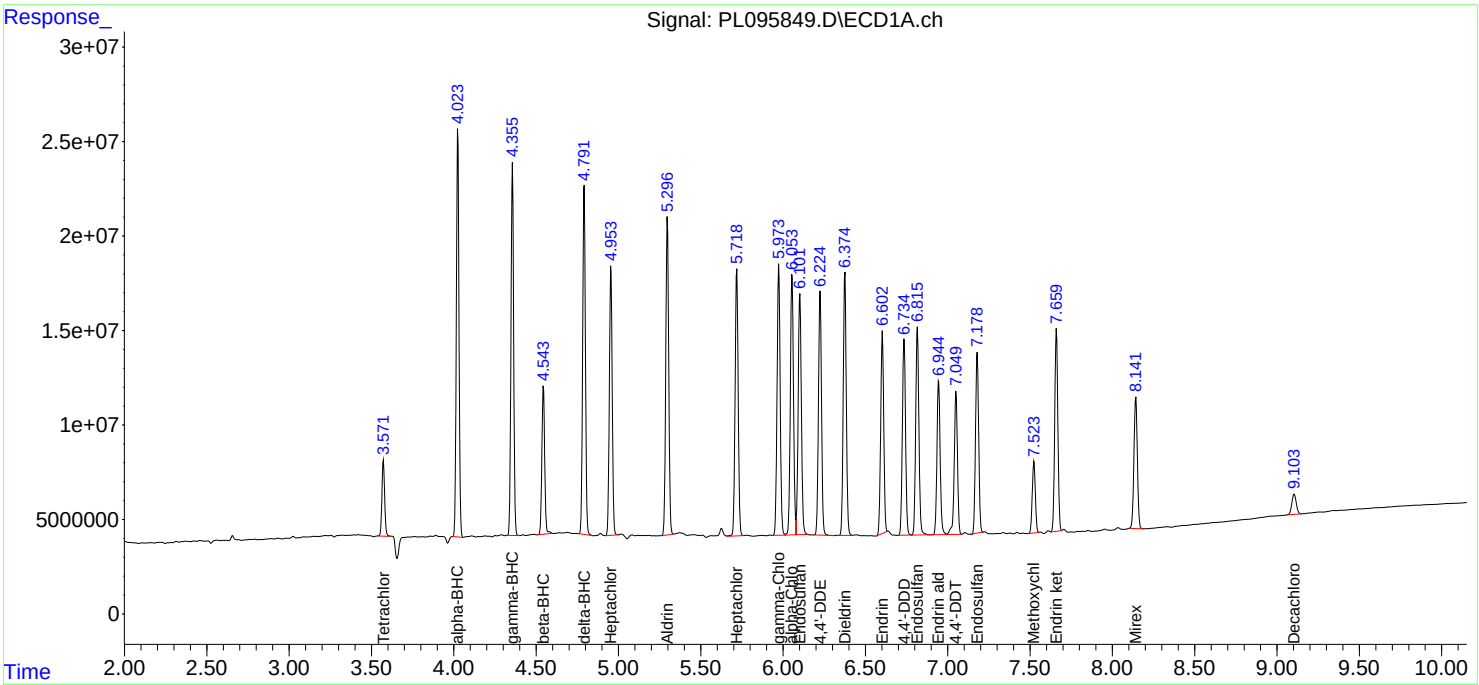
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL053025\
Data File : PL095849.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 May 2025 14:59
Operator : AR\AJ
Sample : Q2150-07MS
Misc :
ALS Vial : 15 Sample Multiplier: 1

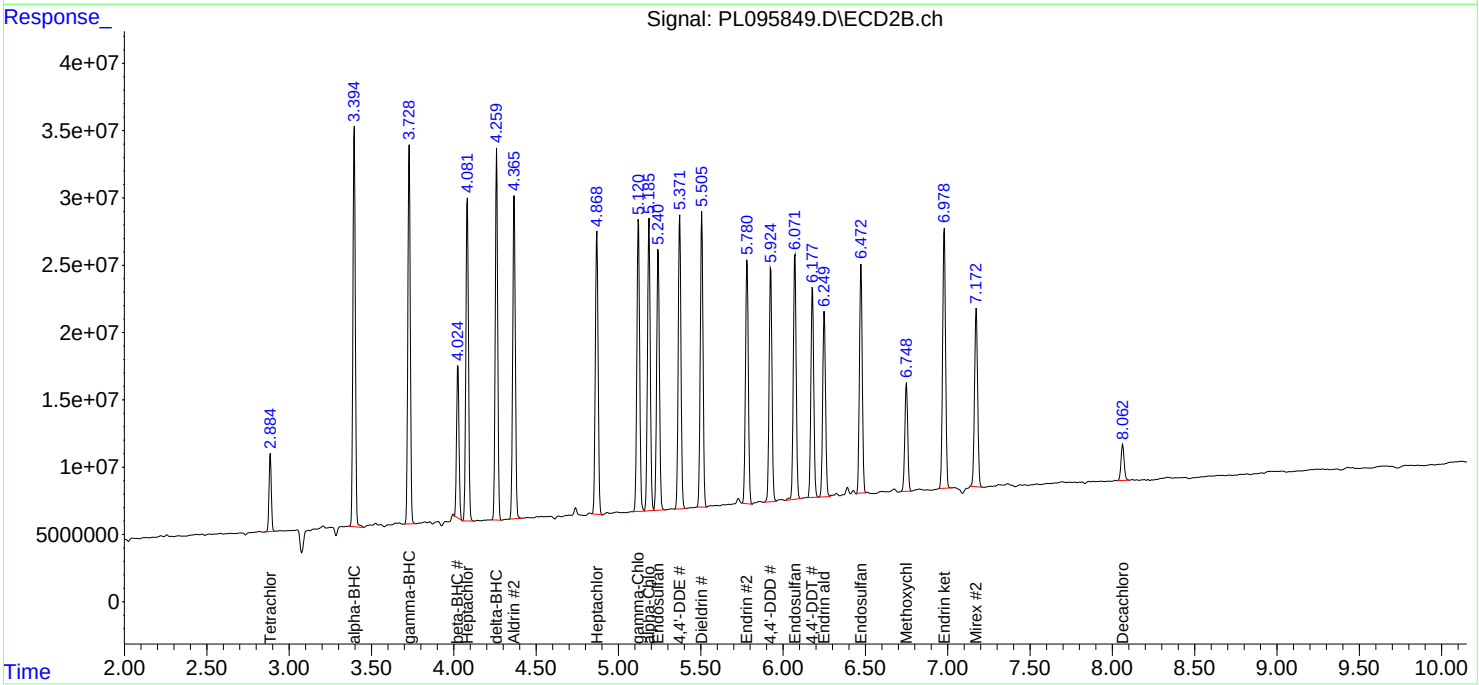
Instrument :
ECD_L
ClientSampleId :
TP-51MS

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 06/02/2025
Supervised By :mohammad ahmed 06/03/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 30 22:53:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:29:30 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm





Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL053025\
Data File : PL095850.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 May 2025 15:13
Operator : AR\AJ
Sample : Q2150-07MSD
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
TP-51MSD

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 06/02/2025
Supervised By :mohammad ahmed 06/03/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 30 22:53:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:29:30 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.572	2.885	46002112	57167551	14.579m	14.606
28)	SA Decachlor...	9.105	8.063	19993273	36343270	8.485	8.308
	Target Compounds						
2)	A alpha-BHC	4.025	3.395	240.8E6	301.5E6	49.675	51.470
3)	MA gamma-BHC...	4.357	3.729	221.8E6	286.9E6	49.594	51.224
4)	MA Heptachlor	4.955	4.082	173.2E6	268.2E6	45.746	47.811
5)	MB Aldrin	5.297	4.367	207.3E6	270.3E6	48.465	50.932
6)	B beta-BHC	4.545	4.025	93409250	117.4E6	47.383	47.369
7)	B delta-BHC	4.793	4.260	216.4E6	285.8E6	48.817	50.601
8)	B Heptachlo...	5.719	4.869	184.1E6	247.4E6	48.246	50.098
9)	A Endosulfan I	6.103	5.241	172.2E6	232.4E6	46.985	48.778
10)	B gamma-Chl...	5.973	5.121	186.1E6	259.4E6	47.818m	49.394
11)	B alpha-Chl...	6.055	5.186	183.7E6	257.1E6	46.535	49.424
12)	B 4,4'-DDE	6.225	5.372	168.7E6	257.4E6	45.987	47.999
13)	MA Dieldrin	6.376	5.506	179.8E6	256.2E6	46.595	48.341
14)	MA Endrin	6.603	5.781	138.2E6	219.1E6	42.825	44.938
15)	B Endosulfa...	6.816	6.072	149.3E6	222.3E6	43.334	46.773
16)	A 4,4'-DDD	6.735	5.925	139.5E6	209.7E6	47.603	47.828
17)	MA 4,4'-DDT	7.051	6.178	103.8E6	194.5E6	38.360	40.669
18)	B Endrin al...	6.946	6.250	110.5E6	166.1E6	45.701	48.095
19)	B Endosulfa...	7.179	6.473	132.1E6	206.3E6	44.233	45.900
20)	A Methoxychlor	7.523	6.749	50869306	101.4E6	39.887	38.757
21)	B Endrin ke...	7.661	6.979	142.3E6	246.1E6	44.924	47.575
22)	Mirex	8.143	7.173	101.8E6	175.6E6	43.982	43.238

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

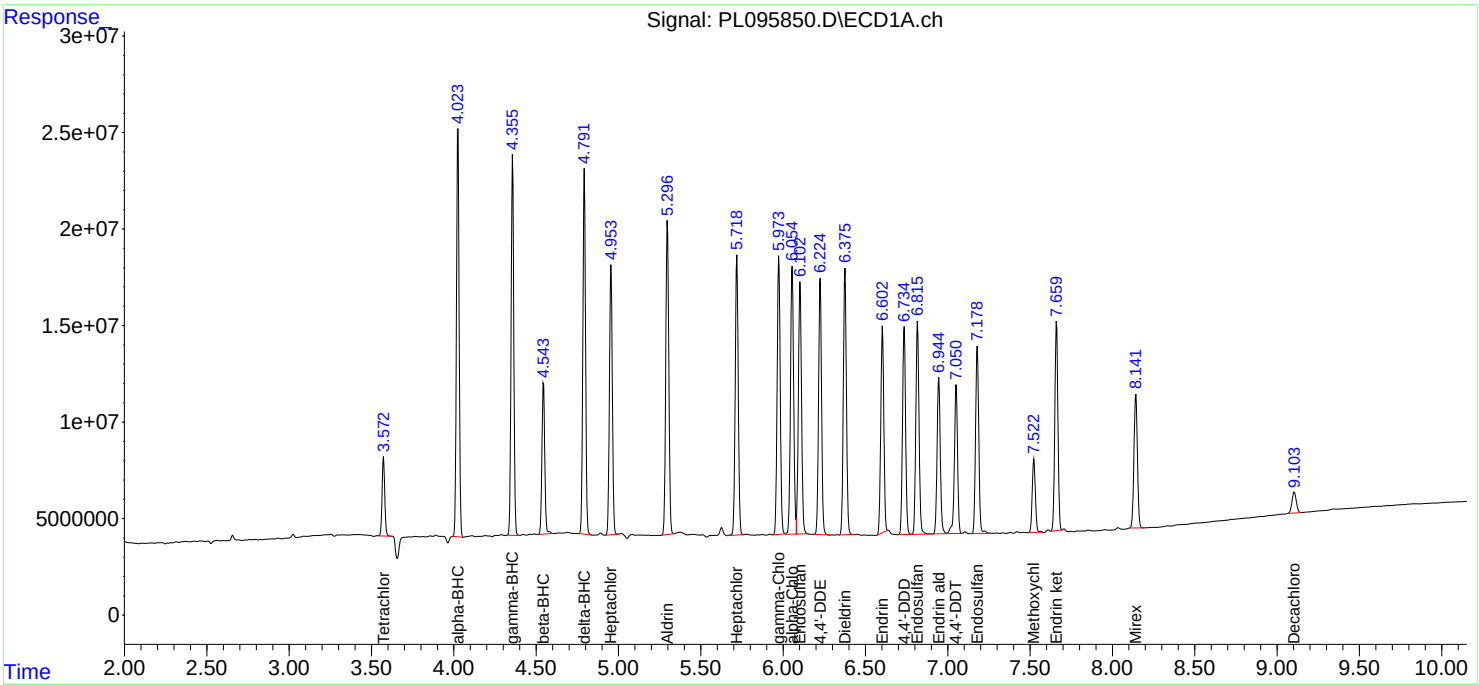
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL053025\
Data File : PL095850.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 May 2025 15:13
Operator : AR\AJ
Sample : Q2150-07MSD
Misc :
ALS Vial : 16 Sample Multiplier: 1

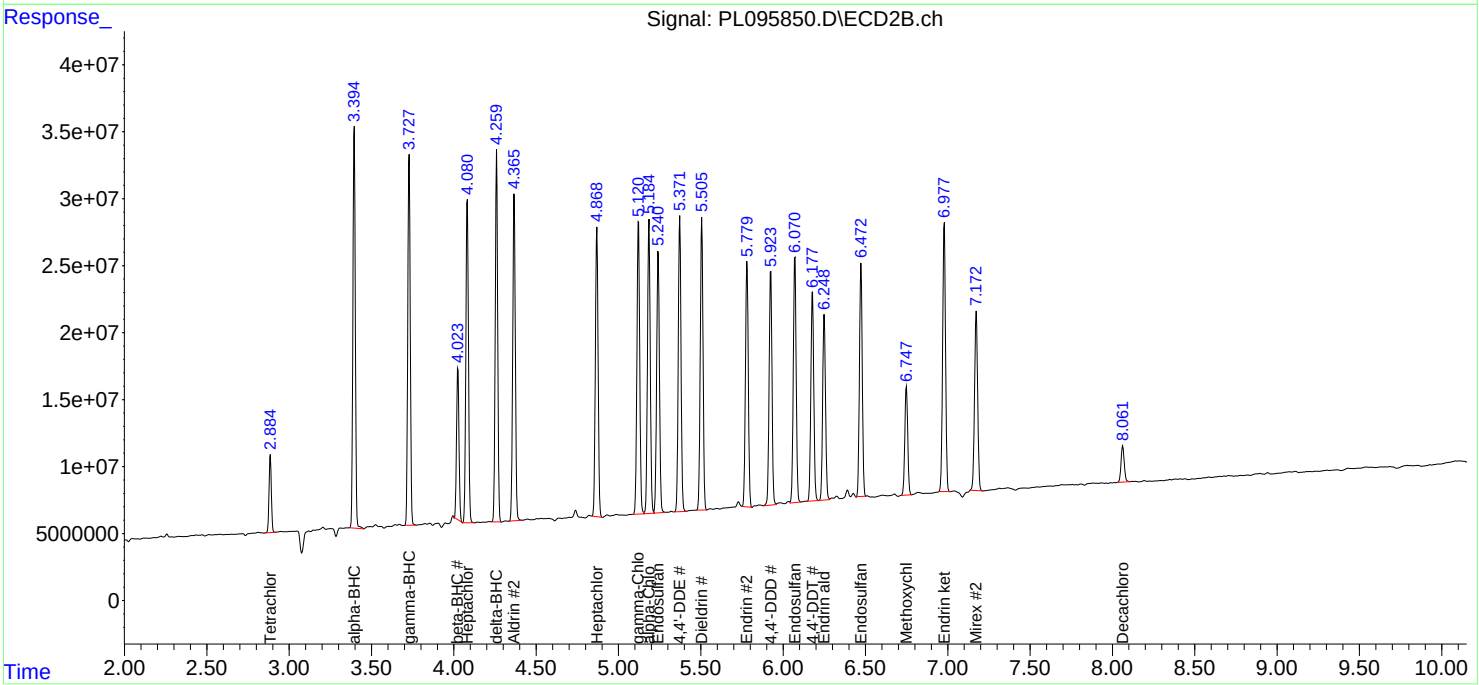
Instrument :
ECD_L
ClientSampleId :
TP-51MSD

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 06/02/2025
Supervised By :mohammad ahmed 06/03/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 30 22:53:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:29:30 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm





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

Manual Integration Report

Sequence:	PL052125	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL095733.D	4,4"-DDD	Abdul	5/22/2025 8:03:45 AM	mohammad	5/23/2025 5:17:22	Peak Integrated by Software
PEM	PL095733.D	4,4"-DDD #2	Abdul	5/22/2025 8:03:45 AM	mohammad	5/23/2025 5:17:22	Peak Integrated by Software
PEM	PL095733.D	beta-BHC #2	Abdul	5/22/2025 8:03:45 AM	mohammad	5/23/2025 5:17:22	Peak Integrated by Software
PEM	PL095733.D	Endrin aldehyde	Abdul	5/22/2025 8:03:45 AM	mohammad	5/23/2025 5:17:22	Peak Integrated by Software
PEM	PL095733.D	Endrin aldehyde #2	Abdul	5/22/2025 8:03:45 AM	mohammad	5/23/2025 5:17:22	Peak Integrated by Software
PEM	PL095733.D	Endrin ketone	Abdul	5/22/2025 8:03:45 AM	mohammad	5/23/2025 5:17:22	Peak Integrated by Software
PEM	PL095733.D	Endrin ketone #2	Abdul	5/22/2025 8:03:45 AM	mohammad	5/23/2025 5:17:22	Peak Integrated by Software
RESCHK	PL095734.D	Endosulfan I #2	Abdul	5/22/2025 8:03:50 AM	mohammad	5/23/2025 5:17:22	Peak Integrated by Software
RESCHK	PL095734.D	Endrin ketone	Abdul	5/22/2025 8:03:50 AM	mohammad	5/23/2025 5:17:22	Peak Integrated by Software
PSTDICC025	PL095738.D	Endrin ketone	Abdul	5/22/2025 8:03:56 AM	mohammad	5/23/2025 5:17:22	Peak Integrated by Software
PSTDICC005	PL095739.D	beta-BHC #2	Abdul	5/22/2025 8:04:00 AM	mohammad	5/23/2025 5:17:22	Peak Integrated by Software
PSTDICC005	PL095739.D	Endosulfan II	Abdul	5/22/2025 8:04:00 AM	mohammad	5/23/2025 5:17:22	Peak Integrated by Software
PSTDICC005	PL095739.D	Endrin ketone	Abdul	5/22/2025 8:04:00 AM	mohammad	5/23/2025 5:17:22	Peak Integrated by Software

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

Manual Integration Report

Sequence:	PL052125	Instrument	ECD_I

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:	pl053025	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL095835.D	4,4"-DDE	Abdul	6/2/2025 8:50:36 AM	mohammad	6/3/2025 2:04:07	Peak Integrated by Software
PEM	PL095835.D	4,4"-DDE #2	Abdul	6/2/2025 8:50:36 AM	mohammad	6/3/2025 2:04:07	Peak Integrated by Software
PEM	PL095835.D	beta-BHC #2	Abdul	6/2/2025 8:50:36 AM	mohammad	6/3/2025 2:04:07	Peak Integrated by Software
PEM	PL095835.D	Endrin aldehyde	Abdul	6/2/2025 8:50:36 AM	mohammad	6/3/2025 2:04:07	Peak Integrated by Software
PEM	PL095835.D	Endrin aldehyde #2	Abdul	6/2/2025 8:50:36 AM	mohammad	6/3/2025 2:04:07	Peak Integrated by Software
Q2150-01	PL095842.D	alpha-Chlordane #2	Abdul	6/2/2025 8:50:42 AM	mohammad	6/3/2025 2:04:07	Peak Integrated by Software
Q2150-01	PL095842.D	gamma-Chlordane	Abdul	6/2/2025 8:50:42 AM	mohammad	6/3/2025 2:04:07	Peak Integrated by Software
Q2150-01	PL095842.D	gamma-Chlordane #2	Abdul	6/2/2025 8:50:42 AM	mohammad	6/3/2025 2:04:07	Peak Integrated by Software
Q2150-03	PL095844.D	Tetrachloro-m-xylene	Abdul	6/2/2025 8:50:46 AM	mohammad	6/3/2025 2:04:07	Peak Integrated by Software
Q2150-05	PL095846.D	Tetrachloro-m-xylene	Abdul	6/2/2025 8:50:50 AM	mohammad	6/3/2025 2:04:07	Peak Integrated by Software
Q2150-06	PL095847.D	alpha-Chlordane	Abdul	6/2/2025 8:50:54 AM	mohammad	6/3/2025 2:04:07	Peak Integrated by Software
Q2150-06	PL095847.D	alpha-Chlordane #2	Abdul	6/2/2025 8:50:54 AM	mohammad	6/3/2025 2:04:07	Peak Integrated by Software
Q2150-06	PL095847.D	gamma-Chlordane	Abdul	6/2/2025 8:50:54 AM	mohammad	6/3/2025 2:04:07	Peak Integrated by Software

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

Manual Integration Report

Sequence:	pl053025	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2150-06	PL095847.D	gamma-Chlordane #2	Abdul	6/2/2025 8:50:54 AM	mohammad	6/3/2025 2:04:07	Peak Integrated by Software
Q2150-07	PL095848.D	Tetrachloro-m-xylene	Abdul	6/2/2025 8:50:58 AM	mohammad	6/3/2025 2:04:07	Peak Integrated by Software
Q2150-07MS	PL095849.D	Tetrachloro-m-xylene	Abdul	6/2/2025 8:51:03 AM	mohammad	6/3/2025 2:04:07	Peak Integrated by Software
Q2150-07MSD	PL095850.D	gamma-Chlordane	Abdul	6/2/2025 8:51:07 AM	mohammad	6/3/2025 2:04:07	Peak Integrated by Software
Q2150-07MSD	PL095850.D	Tetrachloro-m-xylene	Abdul	6/2/2025 8:51:07 AM	mohammad	6/3/2025 2:04:07	Peak Integrated by Software
Q2150-09	PL095852.D	Tetrachloro-m-xylene	Abdul	6/2/2025 8:51:11 AM	mohammad	6/3/2025 2:04:07	Peak Integrated by Software
Q2150-10	PL095853.D	Tetrachloro-m-xylene	Abdul	6/2/2025 8:51:15 AM	mohammad	6/3/2025 2:04:07	Peak Integrated by Software
PB168209BS	PL095854.D	gamma-Chlordane	Abdul	6/2/2025 8:51:19 AM	mohammad	6/3/2025 2:04:07	Peak Integrated by Software

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL052125

Review By	Abdul	Review On	5/22/2025 8:04:32 AM		
Supervise By	mohammad	Supervise On	5/23/2025 5:17:22 AM		
SubDirectory	PL052125	HP Acquire Method		HP Processing Method	pl052125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24095
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	PL095731.D	21 May 2025 10:33	AR\AJ	Ok
2	I.BLK	PL095732.D	21 May 2025 10:47	AR\AJ	Ok
3	PEM	PL095733.D	21 May 2025 11:01	AR\AJ	Ok,M
4	RESCHK	PL095734.D	21 May 2025 11:14	AR\AJ	Ok,M
5	PSTDICC100	PL095735.D	21 May 2025 11:35	AR\AJ	Ok
6	PSTDICC075	PL095736.D	21 May 2025 11:48	AR\AJ	Ok
7	PSTDICC050	PL095737.D	21 May 2025 12:02	AR\AJ	Ok
8	PSTDICC025	PL095738.D	21 May 2025 12:15	AR\AJ	Ok,M
9	PSTDICC005	PL095739.D	21 May 2025 12:29	AR\AJ	Ok,M
10	PCHLORICC1000	PL095740.D	21 May 2025 12:42	AR\AJ	Ok
11	PCHLORICC750	PL095741.D	21 May 2025 12:56	AR\AJ	Ok
12	PCHLORICC500	PL095742.D	21 May 2025 13:10	AR\AJ	Ok
13	PCHLORICC250	PL095743.D	21 May 2025 13:23	AR\AJ	Ok
14	PCHLORICC050	PL095744.D	21 May 2025 13:37	AR\AJ	Ok,M
15	PTOXICC1000	PL095745.D	21 May 2025 13:50	AR\AJ	Ok
16	PTOXICC750	PL095746.D	21 May 2025 14:04	AR\AJ	Ok
17	PTOXICC500	PL095747.D	21 May 2025 14:18	AR\AJ	Ok
18	PTOXICC250	PL095748.D	21 May 2025 14:31	AR\AJ	Ok
19	PTOXICC100	PL095749.D	21 May 2025 14:45	AR\AJ	Ok,M
20	PSTDICV050	PL095750.D	21 May 2025 14:58	AR\AJ	Ok
21	PCHLORICV500	PL095751.D	21 May 2025 15:12	AR\AJ	Ok

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL052125

Review By	Abdul	Review On	5/22/2025 8:04:32 AM		
Supervise By	mohammad	Supervise On	5/23/2025 5:17:22 AM		
SubDirectory	PL052125	HP Acquire Method		HP Processing Method	pl052125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24095
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	PL095752.D	21 May 2025 15:26	AR\AJ	Ok

M : Manual Integration

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL053025

Review By	Abdul	Review On	6/2/2025 8:51:47 AM		
Supervise By	mohammad	Supervise On	6/3/2025 2:04:07 AM		
SubDirectory	PL053025	HP Acquire Method		HP Processing Method	pl052125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24095
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	PL095833.D	30 May 2025 08:16	AR\AJ	Ok
2	I.BLK	PL095834.D	30 May 2025 08:30	AR\AJ	Ok
3	PEM	PL095835.D	30 May 2025 09:10	AR\AJ	Ok,M
4	PSTDCCC050	PL095836.D	30 May 2025 09:24	AR\AJ	Ok
5	Q2137-01DL	PL095837.D	30 May 2025 09:39	AR\AJ	Ok,M
6	I.BLK	PL095838.D	30 May 2025 11:17	AR\AJ	Ok
7	PSTDCCC050	PL095839.D	30 May 2025 12:40	AR\AJ	Ok
8	PB168209BL	PL095840.D	30 May 2025 12:57	AR\AJ	Ok
9	PB168209BS	PL095841.D	30 May 2025 13:10	AR\AJ	Not Ok
10	Q2150-01	PL095842.D	30 May 2025 13:24	AR\AJ	Ok,M
11	Q2150-02	PL095843.D	30 May 2025 13:38	AR\AJ	Ok
12	Q2150-03	PL095844.D	30 May 2025 13:51	AR\AJ	Ok,M
13	Q2150-04	PL095845.D	30 May 2025 14:05	AR\AJ	Ok
14	Q2150-05	PL095846.D	30 May 2025 14:18	AR\AJ	Ok,M
15	Q2150-06	PL095847.D	30 May 2025 14:32	AR\AJ	Ok,M
16	Q2150-07	PL095848.D	30 May 2025 14:46	AR\AJ	Ok,M
17	Q2150-07MS	PL095849.D	30 May 2025 14:59	AR\AJ	Ok,M
18	Q2150-07MSD	PL095850.D	30 May 2025 15:13	AR\AJ	Ok,M
19	Q2150-08	PL095851.D	30 May 2025 15:26	AR\AJ	Ok
20	Q2150-09	PL095852.D	30 May 2025 15:40	AR\AJ	Ok,M
21	Q2150-10	PL095853.D	30 May 2025 15:54	AR\AJ	Ok,M

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL053025

Review By	Abdul	Review On	6/2/2025 8:51:47 AM		
Supervise By	mohammad	Supervise On	6/3/2025 2:04:07 AM		
SubDirectory	PL053025	HP Acquire Method		HP Processing Method	pl052125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24095
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	PB168209BS	PL095854.D	30 May 2025 16:07	AR\AJ	Ok,M
23	Q2151-01	PL095855.D	30 May 2025 16:21	AR\AJ	Ok,M
24	Q2152-01	PL095856.D	30 May 2025 16:35	AR\AJ	Ok,M
25	Q2153-01	PL095857.D	30 May 2025 16:48	AR\AJ	Ok
26	I.BLK	PL095858.D	30 May 2025 18:19	AR\AJ	Ok
27	PSTDCCC050	PL095859.D	30 May 2025 18:33	AR\AJ	Ok

M : Manual Integration

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL052125

Review By	Abdul	Review On	5/22/2025 8:04:32 AM		
Supervise By	mohammad	Supervise On	5/23/2025 5:17:22 AM		
SubDirectory	PL052125	HP Acquire Method		HP Processing Method	pl052125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24095
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	PL095731.D	21 May 2025 10:33		AR\AJ	Ok
2	I.BLK	I.BLK	PL095732.D	21 May 2025 10:47		AR\AJ	Ok
3	PEM	PEM	PL095733.D	21 May 2025 11:01		AR\AJ	Ok,M
4	RESCHK	RESCHK	PL095734.D	21 May 2025 11:14		AR\AJ	Ok,M
5	PSTDICC100	PSTDICC100	PL095735.D	21 May 2025 11:35		AR\AJ	Ok
6	PSTDICC075	PSTDICC075	PL095736.D	21 May 2025 11:48		AR\AJ	Ok
7	PSTDICC050	PSTDICC050	PL095737.D	21 May 2025 12:02		AR\AJ	Ok
8	PSTDICC025	PSTDICC025	PL095738.D	21 May 2025 12:15		AR\AJ	Ok,M
9	PSTDICC005	PSTDICC005	PL095739.D	21 May 2025 12:29		AR\AJ	Ok,M
10	PCHLORICC1000	PCHLORICC1000	PL095740.D	21 May 2025 12:42		AR\AJ	Ok
11	PCHLORICC750	PCHLORICC750	PL095741.D	21 May 2025 12:56		AR\AJ	Ok
12	PCHLORICC500	PCHLORICC500	PL095742.D	21 May 2025 13:10		AR\AJ	Ok
13	PCHLORICC250	PCHLORICC250	PL095743.D	21 May 2025 13:23		AR\AJ	Ok
14	PCHLORICC050	PCHLORICC050	PL095744.D	21 May 2025 13:37		AR\AJ	Ok,M
15	PTOXICC1000	PTOXICC1000	PL095745.D	21 May 2025 13:50		AR\AJ	Ok
16	PTOXICC750	PTOXICC750	PL095746.D	21 May 2025 14:04		AR\AJ	Ok
17	PTOXICC500	PTOXICC500	PL095747.D	21 May 2025 14:18		AR\AJ	Ok
18	PTOXICC250	PTOXICC250	PL095748.D	21 May 2025 14:31		AR\AJ	Ok

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL052125

Review By	Abdul	Review On	5/22/2025 8:04:32 AM		
Supervise By	mohammad	Supervise On	5/23/2025 5:17:22 AM		
SubDirectory	PL052125	HP Acquire Method		HP Processing Method	pl052125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24095
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	PL095749.D	21 May 2025 14:45		AR\AJ	Ok,M
20	PSTDICV050	ICVPL052125	PL095750.D	21 May 2025 14:58		AR\AJ	Ok
21	PCHLORICV500	ICVPL052125CHLOR	PL095751.D	21 May 2025 15:12		AR\AJ	Ok
22	PTOXICV500	ICVPL052125TOX	PL095752.D	21 May 2025 15:26		AR\AJ	Ok

M : Manual Integration

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

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL053025

Review By	Abdul	Review On	6/2/2025 8:51:47 AM		
Supervise By	mohammad	Supervise On	6/3/2025 2:04:07 AM		
SubDirectory	PL053025	HP Acquire Method		HP Processing Method	pl052125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24095
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	PL095833.D	30 May 2025 08:16		AR\AJ	Ok
2	I.BLK	I.BLK	PL095834.D	30 May 2025 08:30		AR\AJ	Ok
3	PEM	PEM	PL095835.D	30 May 2025 09:10		AR\AJ	Ok,M
4	PSTDCCC050	PSTDCCC050	PL095836.D	30 May 2025 09:24		AR\AJ	Ok
5	Q2137-01DL	MOO-25-0151DL	PL095837.D	30 May 2025 09:39	TCMX high in both column	AR\AJ	Ok,M
6	I.BLK	I.BLK	PL095838.D	30 May 2025 11:17		AR\AJ	Ok
7	PSTDCCC050	PSTDCCC050	PL095839.D	30 May 2025 12:40		AR\AJ	Ok
8	PB168209BL	PB168209BL	PL095840.D	30 May 2025 12:57		AR\AJ	Ok
9	PB168209BS	PB168209BS	PL095841.D	30 May 2025 13:10	alpha-BHC recovery fail	AR\AJ	Not Ok
10	Q2150-01	TP-44	PL095842.D	30 May 2025 13:24		AR\AJ	Ok,M
11	Q2150-02	TP-42	PL095843.D	30 May 2025 13:38		AR\AJ	Ok
12	Q2150-03	TP-39	PL095844.D	30 May 2025 13:51		AR\AJ	Ok,M
13	Q2150-04	TP-48	PL095845.D	30 May 2025 14:05		AR\AJ	Ok
14	Q2150-05	TP-47	PL095846.D	30 May 2025 14:18		AR\AJ	Ok,M
15	Q2150-06	TP-50	PL095847.D	30 May 2025 14:32		AR\AJ	Ok,M
16	Q2150-07	TP-51	PL095848.D	30 May 2025 14:46		AR\AJ	Ok,M
17	Q2150-07MS	TP-51MS	PL095849.D	30 May 2025 14:59		AR\AJ	Ok,M
18	Q2150-07MSD	TP-51MSD	PL095850.D	30 May 2025 15:13		AR\AJ	Ok,M

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Fax : 908 789 8922

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL053025

Review By	Abdul	Review On	6/2/2025 8:51:47 AM		
Supervise By	mohammad	Supervise On	6/3/2025 2:04:07 AM		
SubDirectory	PL053025	HP Acquire Method		HP Processing Method	pl052125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24095
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	Q2150-08	TP-52	PL095851.D	30 May 2025 15:26		AR\AJ	Ok
20	Q2150-09	TP-54	PL095852.D	30 May 2025 15:40		AR\AJ	Ok,M
21	Q2150-10	TP-53	PL095853.D	30 May 2025 15:54		AR\AJ	Ok,M
22	PB168209BS	PB168209BS	PL095854.D	30 May 2025 16:07		AR\AJ	Ok,M
23	Q2151-01	WC-1	PL095855.D	30 May 2025 16:21		AR\AJ	Ok,M
24	Q2152-01	OK-02-05292025	PL095856.D	30 May 2025 16:35		AR\AJ	Ok,M
25	Q2153-01	TR-04-0592025	PL095857.D	30 May 2025 16:48		AR\AJ	Ok
26	I.BLK	I.BLK	PL095858.D	30 May 2025 18:19		AR\AJ	Ok
27	PSTDCCC050	PSTDCCC050	PL095859.D	30 May 2025 18:33		AR\AJ	Ok

M : Manual Integration

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB168209

SOP ID: M3541-ASE Extraction-14

Clean Up SOP #: Florisil

Matrix : Solid

Weigh By: EH

Balance check: RJ

Balance ID: EX-SC-2

pH Strip Lot#: N/A

Extraction By: RJ

Filter By: RJ

pH Meter ID: N/A

Hood ID: 3,7

Extraction Start Date : 05/30/2025

Extraction Start Time : 08:50

Extraction End Date : 05/30/2025

Extraction End Time : 11:50

Concentration By: EH

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	2.0ML	1000 PPB	PP24285
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	EP2614
Sand	N/A	E2865
Hexane	N/A	E3938
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

KD Bath Temperature: N/A

Envap ID: NEVAP-02

Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
5/30/25	RS (Ext Lab)	R. Patel / PCB Lab
11:55	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB168209

Analytical Method: M3541-ASE Extraction-14

Concentration Date: 05/30/2025

Sample ID	Client Sample ID	Test	g/ mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB168209BL	PBLK209	Pesticide-TCL	30.03	N/A	ritesh	Evelyn	10			U1-1
PB168209BS	PLCS209	Pesticide-TCL	30.01	N/A	ritesh	Evelyn	10			2
Q2150-01	TP-44	Pesticide-TCL	30.05	N/A	ritesh	Evelyn	10	E		3
Q2150-02	TP-42	Pesticide-TCL	30.03	N/A	ritesh	Evelyn	10	E		4
Q2150-03	TP-39	Pesticide-TCL	30.08	N/A	ritesh	Evelyn	10	E		5
Q2150-04	TP-48	Pesticide-TCL	30.05	N/A	ritesh	Evelyn	10	E		6
Q2150-05	TP-47	Pesticide-TCL	30.04	N/A	ritesh	Evelyn	10	E		U2-1
Q2150-06	TP-50	Pesticide-TCL	30.02	N/A	ritesh	Evelyn	10	E		2
Q2150-07	TP-51	Pesticide-TCL	30.07	N/A	ritesh	Evelyn	10	E		3
Q2150-07MS	TP-51MS	Pesticide-TCL	30.08	N/A	ritesh	Evelyn	10	E		4
Q2150-07MSD	TP-51MSD	Pesticide-TCL	30.05	N/A	ritesh	Evelyn	10	E		5
Q2150-08	TP-52	Pesticide-TCL	30.03	N/A	ritesh	Evelyn	10	E		6
Q2150-09	TP-54	Pesticide-TCL	30.09	N/A	ritesh	Evelyn	10	E		U3-1
Q2150-10	TP-53	Pesticide-TCL	30.05	N/A	ritesh	Evelyn	10	E		2
Q2151-01	WC-1	Pesticide-TCL	30.02	N/A	ritesh	Evelyn	10	E		3
Q2152-01	OK-02-05292025	Pesticide-TCL	30.03	N/A	ritesh	Evelyn	10	E		4
Q2153-01	TR-04-0592025	Pesticide-TCL	30.06	N/A	ritesh	Evelyn	10	E		5

RS 5/30

* **Extracts relinquished on the same date as received.**

Q2150 5/28/25 8:50

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q2150P **WorkList ID :** 189837 **Department :** Extraction **Date :** 05-30-2025 08:30:10

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2150-01	TP-44	Solid	Pesticide-TCL	Cool 4 deg C	CAMP02	L41	05/27/2025	8081B
Q2150-02	TP-42	Solid	Pesticide-TCL	Cool 4 deg C	CAMP02	L41	05/27/2025	8081B
Q2150-03	TP-39	Solid	Pesticide-TCL	Cool 4 deg C	CAMP02	L41	05/27/2025	8081B
Q2150-04	TP-48	Solid	Pesticide-TCL	Cool 4 deg C	CAMP02	L41	05/27/2025	8081B
Q2150-05	TP-47	Solid	Pesticide-TCL	Cool 4 deg C	CAMP02	L41	05/27/2025	8081B
Q2150-06	TP-50	Solid	Pesticide-TCL	Cool 4 deg C	CAMP02	L41	05/27/2025	8081B
Q2150-07	TP-51	Solid	Pesticide-TCL	Cool 4 deg C	CAMP02	L41	05/27/2025	8081B
Q2150-08	TP-52	Solid	Pesticide-TCL	Cool 4 deg C	CAMP02	L41	05/28/2025	8081B
Q2150-09	TP-54	Solid	Pesticide-TCL	Cool 4 deg C	CAMP02	L41	05/28/2025	8081B
Q2150-10	TP-53	Solid	Pesticide-TCL	Cool 4 deg C	CAMP02	L41	05/28/2025	8081B
Q2151-01	WC-1	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	L41	05/29/2025	8081B
Q2152-01	OK-02-05292025	Solid	Pesticide-TCL	Cool 4 deg C	PSEG05	L21	05/29/2025	8081B
Q2153-01	TR-04-0592025	Solid	Pesticide-TCL	Cool 4 deg C	PSEG05	L31	05/29/2025	8081B

906 of 1448

Date/Time 05/30/25 8:45
Raw Sample Received by: RJ LEET-(ab)
Raw Sample Relinquished by: SM

Date/Time 05/30/25 9:10
Raw Sample Received by: SM
Raw Sample Relinquished by: RJ LEET-(ab)

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LAB CHRONICLE

OrderID:	Q2150	**OrderDate:**	5/28/2025 3:53:00 PM
Client:	CDM Smith	**Project:**	South River WM Replacement
Contact:	Marcie Ann Encinas	**Location:**	L41,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2150-01	**TP-44**	**SOIL**			**05/27/25**			**05/28/25**
			PCB	8082A		05/30/25	05/30/25	
			Pesticide-TCL	8081B		05/30/25	05/30/25	
Q2150-02	**TP-42**	**SOIL**			**05/27/25**			**05/28/25**
			PCB	8082A		05/30/25	05/30/25	
			Pesticide-TCL	8081B		05/30/25	05/30/25	
Q2150-03	**TP-39**	**SOIL**			**05/27/25**			**05/28/25**
			PCB	8082A		05/30/25	05/30/25	
			Pesticide-TCL	8081B		05/30/25	05/30/25	
Q2150-04	**TP-48**	**SOIL**			**05/27/25**			**05/28/25**
			PCB	8082A		05/30/25	05/30/25	
			Pesticide-TCL	8081B		05/30/25	05/30/25	
Q2150-05	**TP-47**	**SOIL**			**05/27/25**			**05/28/25**
			PCB	8082A		05/30/25	05/30/25	
			Pesticide-TCL	8081B		05/30/25	05/30/25	
Q2150-06	**TP-50**	**SOIL**			**05/27/25**			**05/28/25**
			PCB	8082A		05/30/25	05/30/25	
			Pesticide-TCL	8081B		05/30/25	05/30/25	
Q2150-07	**TP-51**	**SOIL**			**05/27/25**			**05/28/25**
			PCB	8082A		05/30/25	05/30/25	
			Pesticide-TCL	8081B		05/30/25	05/30/25	
Q2150-08	**TP-52**	**SOIL**			**05/28/25**			**05/28/25**
			PCB	8082A		05/30/25	05/30/25	
			Pesticide-TCL	8081B		05/30/25	05/30/25	
Q2150-09	**TP-54**	**SOIL**			**05/28/25**			**05/28/25**

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LAB CHRONICLE

			PCB	8082A		05/30/25	05/30/25
			Pesticide-TCL	8081B		05/30/25	05/30/25
Q2150-10	**TP-53**	**SOIL**			**05/28/25**		**05/28/25**
			PCB	8082A		05/30/25	05/30/25
			Pesticide-TCL	8081B		05/30/25	05/30/25

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Hit Summary Sheet
SW-846

SDG No.: Q2150 **Order ID:** Q2150

Client: CDM Smith **Project ID:** South River WM Replacement

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:	CDM Smith	Date Collected:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-44	SDG No.:	Q2150
Lab Sample ID:	Q2150-01	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	78.9 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
PP072468.D	1	05/30/25 08:50	05/30/25 13:32	PB168208

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	5.00	U	5.00	21.5	ug/kg
11104-28-2	Aroclor-1221	5.10	U	5.10	21.5	ug/kg
11141-16-5	Aroclor-1232	4.70	U	4.70	21.5	ug/kg
53469-21-9	Aroclor-1242	5.10	U	5.10	21.5	ug/kg
12672-29-6	Aroclor-1248	7.50	U	7.50	21.5	ug/kg
11097-69-1	Aroclor-1254	4.10	U	4.10	21.5	ug/kg
37324-23-5	Aroclor-1262	6.40	U	6.40	21.5	ug/kg
11100-14-4	Aroclor-1268	4.60	U	4.60	21.5	ug/kg
11096-82-5	Aroclor-1260	4.10	U	4.10	21.5	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19.8		32 - 144	99%	SPK: 20
2051-24-3	Decachlorobiphenyl	16.3		32 - 175	81%	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:	CDM Smith	Date Collected:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-42	SDG No.:	Q2150
Lab Sample ID:	Q2150-02	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	86.2 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
PP072469.D	1	05/30/25 08:50	05/30/25 13:48	PB168208

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	4.60	U	4.60	19.7	ug/kg
11104-28-2	Aroclor-1221	4.70	U	4.70	19.7	ug/kg
11141-16-5	Aroclor-1232	4.30	U	4.30	19.7	ug/kg
53469-21-9	Aroclor-1242	4.60	U	4.60	19.7	ug/kg
12672-29-6	Aroclor-1248	6.90	U	6.90	19.7	ug/kg
11097-69-1	Aroclor-1254	3.70	U	3.70	19.7	ug/kg
37324-23-5	Aroclor-1262	5.80	U	5.80	19.7	ug/kg
11100-14-4	Aroclor-1268	4.20	U	4.20	19.7	ug/kg
11096-82-5	Aroclor-1260	3.70	U	3.70	19.7	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.4		32 - 144	102%	SPK: 20
2051-24-3	Decachlorobiphenyl	14.9		32 - 175	75%	SPK: 20

Comments:

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LOQ = Limit of Quantitation
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M = MS/MSD acceptance criteria did not meet requirements

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() = Laboratory InHouse Limit

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-39	SDG No.:	Q2150
Lab Sample ID:	Q2150-03	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	83.7 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
PP072472.D	1	05/30/25 08:50	05/30/25 14:37	PB168208

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	4.40	U	4.40	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	3.80	U	3.80	20.3	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	18.7		32 - 144	94%	SPK: 20
2051-24-3	Decachlorobiphenyl	12.0		32 - 175	60%	SPK: 20

Comments:

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LOQ = Limit of Quantitation
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Report of Analysis

Client:	CDM Smith	Date Collected:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-48	SDG No.:	Q2150
Lab Sample ID:	Q2150-04	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	80.7 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
PP072473.D	1	05/30/25 08:50	05/30/25 14:53	PB168208

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	4.90	U	4.90	21.0	ug/kg
11104-28-2	Aroclor-1221	5.00	U	5.00	21.0	ug/kg
11141-16-5	Aroclor-1232	4.60	U	4.60	21.0	ug/kg
53469-21-9	Aroclor-1242	5.00	U	5.00	21.0	ug/kg
12672-29-6	Aroclor-1248	7.30	U	7.30	21.0	ug/kg
11097-69-1	Aroclor-1254	4.00	U	4.00	21.0	ug/kg
37324-23-5	Aroclor-1262	6.20	U	6.20	21.0	ug/kg
11100-14-4	Aroclor-1268	4.50	U	4.50	21.0	ug/kg
11096-82-5	Aroclor-1260	4.00	U	4.00	21.0	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	17.5		32 - 144	88%	SPK: 20
2051-24-3	Decachlorobiphenyl	16.3		32 - 175	81%	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

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B = Analyte Found in Associated Method Blank
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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:	CDM Smith	Date Collected:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-47	SDG No.:	Q2150
Lab Sample ID:	Q2150-05	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	81 Decanted:
Sample Wt/Vol:	30.04 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
PP072474.D	1	05/30/25 08:50	05/30/25 15:10	PB168208

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	4.90	U	4.90	21.0	ug/kg
11104-28-2	Aroclor-1221	5.00	U	5.00	21.0	ug/kg
11141-16-5	Aroclor-1232	4.60	U	4.60	21.0	ug/kg
53469-21-9	Aroclor-1242	4.90	U	4.90	21.0	ug/kg
12672-29-6	Aroclor-1248	7.30	U	7.30	21.0	ug/kg
11097-69-1	Aroclor-1254	4.00	U	4.00	21.0	ug/kg
37324-23-5	Aroclor-1262	6.20	U	6.20	21.0	ug/kg
11100-14-4	Aroclor-1268	4.40	U	4.40	21.0	ug/kg
11096-82-5	Aroclor-1260	4.00	U	4.00	21.0	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.3		32 - 144	102%	SPK: 20
2051-24-3	Decachlorobiphenyl	14.0		32 - 175	70%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
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LOD = Limit of Detection
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Q = indicates LCS control criteria did not meet requirements
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S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
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Report of Analysis

Client:	CDM Smith	Date Collected:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-50	SDG No.:	Q2150
Lab Sample ID:	Q2150-06	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	86 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
PP072475.D	1	05/30/25 08:50	05/30/25 15:26	PB168208

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	4.60	U	4.60	19.8	ug/kg
11104-28-2	Aroclor-1221	4.70	U	4.70	19.8	ug/kg
11141-16-5	Aroclor-1232	4.30	U	4.30	19.8	ug/kg
53469-21-9	Aroclor-1242	4.70	U	4.70	19.8	ug/kg
12672-29-6	Aroclor-1248	6.90	U	6.90	19.8	ug/kg
11097-69-1	Aroclor-1254	3.70	U	3.70	19.8	ug/kg
37324-23-5	Aroclor-1262	5.80	U	5.80	19.8	ug/kg
11100-14-4	Aroclor-1268	4.20	U	4.20	19.8	ug/kg
11096-82-5	Aroclor-1260	3.80	U	3.80	19.8	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.3		32 - 144	101%	SPK: 20
2051-24-3	Decachlorobiphenyl	17.8		32 - 175	89%	SPK: 20

Comments:

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-51	SDG No.:	Q2150
Lab Sample ID:	Q2150-07	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	83.7 Decanted:
Sample Wt/Vol:	30.07 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
PP072481.D	1	05/30/25 08:50	05/30/25 17:37	PB168208

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	4.40	U	4.40	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	20.6		32 - 144	103%	SPK: 20
2051-24-3	Decachlorobiphenyl	14.1		32 - 175	70%	SPK: 20

Comments:

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Fax : 908 789 8922

Report of Analysis

Client:	CDM Smith	Date Collected:	05/28/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-52	SDG No.:	Q2150
Lab Sample ID:	Q2150-08	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	85.7 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
PP072482.D	1	05/30/25 08:50	05/30/25 17:53	PB168208

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	4.60	U	4.60	19.8	ug/kg
11104-28-2	Aroclor-1221	4.70	U	4.70	19.8	ug/kg
11141-16-5	Aroclor-1232	4.30	U	4.30	19.8	ug/kg
53469-21-9	Aroclor-1242	4.70	U	4.70	19.8	ug/kg
12672-29-6	Aroclor-1248	6.90	U	6.90	19.8	ug/kg
11097-69-1	Aroclor-1254	3.70	U	3.70	19.8	ug/kg
37324-23-5	Aroclor-1262	5.90	U	5.90	19.8	ug/kg
11100-14-4	Aroclor-1268	4.20	U	4.20	19.8	ug/kg
11096-82-5	Aroclor-1260	3.80	U	3.80	19.8	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.1		32 - 144	101%	SPK: 20
2051-24-3	Decachlorobiphenyl	14.7		32 - 175	74%	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:	CDM Smith	Date Collected:	05/28/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-54	SDG No.:	Q2150
Lab Sample ID:	Q2150-09	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	83.6 Decanted:
Sample Wt/Vol:	30.09 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
PP072483.D	1	05/30/25 08:50	05/30/25 18:09	PB168208

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	4.40	U	4.40	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	17.1		32 - 144	86%	SPK: 20
2051-24-3	Decachlorobiphenyl	13.7		32 - 175	69%	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
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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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Fax : 908 789 8922

Report of Analysis

Client:	CDM Smith	Date Collected:	05/28/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-53	SDG No.:	Q2150
Lab Sample ID:	Q2150-10	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	85.3 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
PP072484.D	1	05/30/25 08:50	05/30/25 18:26	PB168208

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	4.60	U	4.60	19.9	ug/kg
11104-28-2	Aroclor-1221	4.70	U	4.70	19.9	ug/kg
11141-16-5	Aroclor-1232	4.40	U	4.40	19.9	ug/kg
53469-21-9	Aroclor-1242	4.70	U	4.70	19.9	ug/kg
12672-29-6	Aroclor-1248	6.90	U	6.90	19.9	ug/kg
11097-69-1	Aroclor-1254	3.80	U	3.80	19.9	ug/kg
37324-23-5	Aroclor-1262	5.90	U	5.90	19.9	ug/kg
11100-14-4	Aroclor-1268	4.20	U	4.20	19.9	ug/kg
11096-82-5	Aroclor-1260	3.80	U	3.80	19.9	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.2		32 - 144	101%	SPK: 20
2051-24-3	Decachlorobiphenyl	16.0		32 - 175	80%	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

Alliance TECHNICAL GROUP
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Surrogate Summary

SDG No.: Q2150

Client: CDM Smith

Analytical Method: 8082A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits Low	Limits High
I.BLK-PP072163.D	PIBLK-PP072163.D	Tetrachloro-m-xylene	1	20	16.3	82		60	140
		Decachlorobiphenyl	1	20	16.7	84		60	140
		Tetrachloro-m-xylene	2	20	16.6	83		60	140
		Decachlorobiphenyl	2	20	17.0	85		60	140
I.BLK-PP072465.D	PIBLK-PP072465.D	Tetrachloro-m-xylene	1	20	18.1	91		60	140
		Decachlorobiphenyl	1	20	19.5	98		60	140
		Tetrachloro-m-xylene	2	20	20.0	100		60	140
		Decachlorobiphenyl	2	20	21.7	108		60	140
PB168208BL	PB168208BL	Tetrachloro-m-xylene	1	20	19.8	99		32	144
		Decachlorobiphenyl	1	20	21.2	106		32	175
		Tetrachloro-m-xylene	2	20	21.6	108		32	144
		Decachlorobiphenyl	2	20	24.3	122		32	175
PB168208BS	PB168208BS	Tetrachloro-m-xylene	1	20	20.2	101		32	144
		Decachlorobiphenyl	1	20	21.4	107		32	175
		Tetrachloro-m-xylene	2	20	20.2	101		32	144
		Decachlorobiphenyl	2	20	23.6	118		32	175
Q2150-01	TP-44	Tetrachloro-m-xylene	1	20	17.1	85		32	144
		Decachlorobiphenyl	1	20	14.5	72		32	175
		Tetrachloro-m-xylene	2	20	19.8	99		32	144
		Decachlorobiphenyl	2	20	16.3	81		32	175
Q2150-02	TP-42	Tetrachloro-m-xylene	1	20	17.7	89		32	144
		Decachlorobiphenyl	1	20	12.6	63		32	175
		Tetrachloro-m-xylene	2	20	20.4	102		32	144
		Decachlorobiphenyl	2	20	14.9	75		32	175
Q2150-02MS	TP-42MS	Tetrachloro-m-xylene	1	20	18.1	90		32	144
		Decachlorobiphenyl	1	20	14.3	72		32	175
		Tetrachloro-m-xylene	2	20	18.8	94		32	144
		Decachlorobiphenyl	2	20	16.1	81		32	175
Q2150-02MSD	TP-42MSD	Tetrachloro-m-xylene	1	20	18.9	94		32	144
		Decachlorobiphenyl	1	20	15.2	76		32	175
		Tetrachloro-m-xylene	2	20	19.8	99		32	144
		Decachlorobiphenyl	2	20	16.8	84		32	175
Q2150-03	TP-39	Tetrachloro-m-xylene	1	20	16.4	82		32	144
		Decachlorobiphenyl	1	20	10.9	55		32	175
		Tetrachloro-m-xylene	2	20	18.7	94		32	144
		Decachlorobiphenyl	2	20	12.0	60		32	175
Q2150-04	TP-48	Tetrachloro-m-xylene	1	20	16.1	81		32	144
		Decachlorobiphenyl	1	20	14.3	71		32	175
		Tetrachloro-m-xylene	2	20	17.5	88		32	144
		Decachlorobiphenyl	2	20	16.3	81		32	175
Q2150-05	TP-47	Tetrachloro-m-xylene	1	20	17.7	88		32	144

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Surrogate Summary

SDG No.: Q2150

Client: CDM Smith

Analytical Method: 8082A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits Low	Limits High
Q2150-05	TP-47	Decachlorobiphenyl	1	20	13.1	66		32	175
		Tetrachloro-m-xylene	2	20	20.3	102		32	144
		Decachlorobiphenyl	2	20	14.0	70		32	175
Q2150-06	TP-50	Tetrachloro-m-xylene	1	20	18.0	90		32	144
		Decachlorobiphenyl	1	20	16.9	85		32	175
		Tetrachloro-m-xylene	2	20	20.3	101		32	144
		Decachlorobiphenyl	2	20	17.8	89		32	175
I.BLK-PP072480.D	PIBLK-PP072480.D	Tetrachloro-m-xylene	1	20	18.7	93		60	140
		Decachlorobiphenyl	1	20	19.4	97		60	140
		Tetrachloro-m-xylene	2	20	20.1	100		60	140
		Decachlorobiphenyl	2	20	21.4	107		60	140
Q2150-07	TP-51	Tetrachloro-m-xylene	1	20	18.1	91		32	144
		Decachlorobiphenyl	1	20	11.8	59		32	175
		Tetrachloro-m-xylene	2	20	20.6	103		32	144
		Decachlorobiphenyl	2	20	14.1	70		32	175
Q2150-08	TP-52	Tetrachloro-m-xylene	1	20	17.7	89		32	144
		Decachlorobiphenyl	1	20	11.9	60		32	175
		Tetrachloro-m-xylene	2	20	20.1	101		32	144
		Decachlorobiphenyl	2	20	14.7	74		32	175
Q2150-09	TP-54	Tetrachloro-m-xylene	1	20	15.8	79		32	144
		Decachlorobiphenyl	1	20	12.2	61		32	175
		Tetrachloro-m-xylene	2	20	17.1	86		32	144
		Decachlorobiphenyl	2	20	13.7	69		32	175
Q2150-10	TP-53	Tetrachloro-m-xylene	1	20	18.4	92		32	144
		Decachlorobiphenyl	1	20	14.1	70		32	175
		Tetrachloro-m-xylene	2	20	20.2	101		32	144
		Decachlorobiphenyl	2	20	16.0	80		32	175
I.BLK-PP072495.D	PIBLK-PP072495.D	Tetrachloro-m-xylene	1	20	18.4	92		60	140
		Decachlorobiphenyl	1	20	19.5	98		60	140
		Tetrachloro-m-xylene	2	20	21.1	106		60	140
		Decachlorobiphenyl	2	20	21.1	105		60	140

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2150 **Analytical Method:** 8082A

Client: CDM Smith **DataFile :** PP072470.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Client Sample ID:	**TP-42MS**											
Q2150-02MS (Column 1)	AR1016	193.3	0	72.6	ug/kg	38	*			55	146	
	AR1260	193.3	0	64.4	ug/kg	33				31	146	
Client Sample ID:	**TP-42MS**											
Q2150-02MS (Column 2)	AR1016	193.3	0	85.6	ug/kg	44	*			55	146	
	AR1260	193.3	0	77.2	ug/kg	40				31	146	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2150 **Analytical Method:** 8082A

Client: CDM Smith **DataFile :** PP072471.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Client Sample ID:	**TP-42MSD**											
Q2150-02MSD (Column 1)	AR1016	193.2	0	74.5	ug/kg	39	*	3		55	146	20
	AR1260	193.2	0	67.3	ug/kg	35		6		31	146	20
Client Sample ID:	**TP-42MSD**											
Q2150-02MSD (Column 2)	AR1016	193.2	0	86.5	ug/kg	45	*	2		55	146	20
	AR1260	193.2	0	79.3	ug/kg	41		2		31	146	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2150 **Analytical Method:** 8082A

Client: CDM Smith **Datafile :** PP072467.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB168208BS (Column 1)	AR1016	166.5	121	ug/kg	73				71	120	
	AR1260	166.5	123	ug/kg	74				65	130	
PB168208BS (Column 2)	AR1016	166.5	129	ug/kg	77				71	120	
	AR1260	166.5	134	ug/kg	80				65	130	

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4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB168208BL

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2150 SAS No.: Q2150 SDG NO.: Q2150

Lab Sample ID: PB168208BL Lab File ID: PP072466.D

Matrix: (soil/water) Solid Extraction: (Type) SOXH

Sulfur Cleanup: (Y/N) N Date Extracted: 05/30/2025

Date Analyzed (1): 05/30/2025 Date Analyzed (2): 05/30/2025

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
PB168208BS	PB168208BS	PP072467.D	05/30/2025	05/30/2025
TP-44	Q2150-01	PP072468.D	05/30/2025	05/30/2025
TP-42	Q2150-02	PP072469.D	05/30/2025	05/30/2025
TP-42MS	Q2150-02MS	PP072470.D	05/30/2025	05/30/2025
TP-42MSD	Q2150-02MSD	PP072471.D	05/30/2025	05/30/2025
TP-39	Q2150-03	PP072472.D	05/30/2025	05/30/2025
TP-48	Q2150-04	PP072473.D	05/30/2025	05/30/2025
TP-47	Q2150-05	PP072474.D	05/30/2025	05/30/2025
TP-50	Q2150-06	PP072475.D	05/30/2025	05/30/2025
TP-51	Q2150-07	PP072481.D	05/30/2025	05/30/2025
TP-52	Q2150-08	PP072482.D	05/30/2025	05/30/2025
TP-54	Q2150-09	PP072483.D	05/30/2025	05/30/2025
TP-53	Q2150-10	PP072484.D	05/30/2025	05/30/2025

COMMENTS:

QC SAMPLE DATA

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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	PB168208BL	SDG No.:	Q2150
Lab Sample ID:	PB168208BL	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
PP072466.D	1	05/30/25 08:50	05/30/25 12:59	PB168208

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	21.6		32 - 144	108%	SPK: 20
2051-24-3	Decachlorobiphenyl	24.3		32 - 175	122%	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:	CDM Smith	Date Collected:	05/19/25
Project:	South River WM Replacement	Date Received:	05/19/25
Client Sample ID:	PIBLK-PP072163.D	SDG No.:	Q2150
Lab Sample ID:	I.BLK-PP072163.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
PP072163.D	1		05/19/25	PP051925

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	16.3		60 - 140	82%	SPK: 20
2051-24-3	Decachlorobiphenyl	16.7		60 - 140	84%	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
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S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
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Report of Analysis

Client:	CDM Smith	Date Collected:	05/30/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	PIBLK-PP072465.D	SDG No.:	Q2150
Lab Sample ID:	I.BLK-PP072465.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
PP072465.D	1		05/30/25	pp053025

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	18.1		60 - 140	91%	SPK: 20
2051-24-3	Decachlorobiphenyl	19.5		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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Report of Analysis

Client:	CDM Smith	Date Collected:	05/30/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	PIBLK-PP072480.D	SDG No.:	Q2150
Lab Sample ID:	I.BLK-PP072480.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
PP072480.D	1		05/30/25	pp053025

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	18.7		60 - 140	93%	SPK: 20
2051-24-3	Decachlorobiphenyl	19.4		60 - 140	97%	SPK: 20

Comments:

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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

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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:	CDM Smith	Date Collected:	05/30/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	PIBLK-PP072495.D	SDG No.:	Q2150
Lab Sample ID:	I.BLK-PP072495.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
PP072495.D	1		05/30/25	pp053025

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	18.4		60 - 140	92%	SPK: 20
2051-24-3	Decachlorobiphenyl	19.5		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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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	PB168208BS	SDG No.:	Q2150
Lab Sample ID:	PB168208BS	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	100 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
PP072467.D	1	05/30/25 08:50	05/30/25 13:15	PB168208

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	129		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	134		3.20	17.0	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.2		32 - 144	101%	SPK: 20
2051-24-3	Decachlorobiphenyl	23.6		32 - 175	118%	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:	CDM Smith	Date Collected:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-42MS	SDG No.:	Q2150
Lab Sample ID:	Q2150-02MS	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	86.2 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
PP072470.D	1	05/30/25 08:50	05/30/25 14:04	PB168208

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	85.6		4.60	19.7	ug/kg
11104-28-2	Aroclor-1221	4.70	U	4.70	19.7	ug/kg
11141-16-5	Aroclor-1232	4.30	U	4.30	19.7	ug/kg
53469-21-9	Aroclor-1242	4.70	U	4.70	19.7	ug/kg
12672-29-6	Aroclor-1248	6.90	U	6.90	19.7	ug/kg
11097-69-1	Aroclor-1254	3.70	U	3.70	19.7	ug/kg
37324-23-5	Aroclor-1262	5.80	U	5.80	19.7	ug/kg
11100-14-4	Aroclor-1268	4.20	U	4.20	19.7	ug/kg
11096-82-5	Aroclor-1260	77.2		3.70	19.7	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	18.8		32 - 144	94%	SPK: 20
2051-24-3	Decachlorobiphenyl	16.1		32 - 175	81%	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:	CDM Smith	Date Collected:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-42MSD	SDG No.:	Q2150
Lab Sample ID:	Q2150-02MSD	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	86.2 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
PP072471.D	1	05/30/25 08:50	05/30/25 14:20	PB168208

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	86.5		4.60	19.7	ug/kg
11104-28-2	Aroclor-1221	4.70	U	4.70	19.7	ug/kg
11141-16-5	Aroclor-1232	4.30	U	4.30	19.7	ug/kg
53469-21-9	Aroclor-1242	4.60	U	4.60	19.7	ug/kg
12672-29-6	Aroclor-1248	6.90	U	6.90	19.7	ug/kg
11097-69-1	Aroclor-1254	3.70	U	3.70	19.7	ug/kg
37324-23-5	Aroclor-1262	5.80	U	5.80	19.7	ug/kg
11100-14-4	Aroclor-1268	4.20	U	4.20	19.7	ug/kg
11096-82-5	Aroclor-1260	79.3		3.70	19.7	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19.8		32 - 144	99%	SPK: 20
2051-24-3	Decachlorobiphenyl	16.8		32 - 175	84%	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

Alliance TECHNICAL GROUP
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RETENTION TIMES OF INITIAL CALIBRATION

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2150 **SAS No.:** Q2150 **SDG NO.:** Q2150

Instrument ID: ECD_P **Calibration Date(s):** 05/19/2025 05/19/2025

Calibration Times: 09:42 18:25

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

LAB FILE ID: RT 1000 = PP072164.D RT 750 = PP072165.D

RT 500 = PP072166.D RT 250 = PP072167.D RT 050 = PP072168.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	5.66	5.65	5.65	5.55	5.75
Aroclor-1016-2	(2)	5.68	5.67	5.67	5.68	5.67	5.67	5.57	5.77
Aroclor-1016-3	(3)	5.74	5.74	5.74	5.74	5.73	5.74	5.64	5.84
Aroclor-1016-4	(4)	5.84	5.83	5.83	5.84	5.83	5.83	5.73	5.93
Aroclor-1016-5	(5)	6.13	6.13	6.13	6.13	6.13	6.13	6.03	6.23
Aroclor-1260-1	(1)	7.25	7.25	7.25	7.25	7.25	7.25	7.15	7.35
Aroclor-1260-2	(2)	7.50	7.50	7.50	7.50	7.50	7.50	7.40	7.60
Aroclor-1260-3	(3)	7.86	7.86	7.86	7.86	7.86	7.86	7.76	7.96
Aroclor-1260-4	(4)	8.09	8.08	8.09	8.09	8.08	8.09	7.99	8.19
Aroclor-1260-5	(5)	8.40	8.40	8.40	8.41	8.40	8.40	8.30	8.50
Decachlorobiphenyl		10.21	10.21	10.21	10.21	10.21	10.21	10.11	10.31
Tetrachloro-m-xylene		4.50	4.50	4.50	4.50	4.50	4.50	4.40	4.60
Aroclor-1232-1	(1)	4.86	4.86	4.86	4.87	4.86	4.86	4.76	4.96
Aroclor-1232-2	(2)	5.39	5.39	5.39	5.39	5.39	5.39	5.29	5.49
Aroclor-1232-3	(3)	5.68	5.68	5.68	5.68	5.67	5.68	5.58	5.78
Aroclor-1232-4	(4)	5.84	5.84	5.84	5.84	5.83	5.84	5.74	5.94
Aroclor-1232-5	(5)	5.93	5.93	5.93	5.93	5.92	5.93	5.83	6.03
Decachlorobiphenyl		10.21	10.22	10.21	10.22	10.21	10.21	10.11	10.31
Tetrachloro-m-xylene		4.50	4.50	4.50	4.50	4.50	4.50	4.40	4.60
Aroclor-1242-1	(1)	5.66	5.66	5.66	5.65	5.65	5.66	5.56	5.76
Aroclor-1242-2	(2)	5.68	5.68	5.68	5.68	5.68	5.68	5.58	5.78
Aroclor-1242-3	(3)	5.74	5.74	5.74	5.74	5.74	5.74	5.64	5.84
Aroclor-1242-4	(4)	5.84	5.84	5.84	5.84	5.84	5.84	5.74	5.94
Aroclor-1242-5	(5)	6.57	6.57	6.57	6.57	6.57	6.57	6.47	6.67
Decachlorobiphenyl		10.22	10.22	10.22	10.21	10.22	10.22	10.12	10.32
Tetrachloro-m-xylene		4.50	4.50	4.51	4.50	4.50	4.50	4.40	4.60
Aroclor-1248-1	(1)	5.66	5.66	5.66	5.66	5.65	5.66	5.56	5.76
Aroclor-1248-2	(2)	5.93	5.93	5.93	5.93	5.93	5.93	5.83	6.03
Aroclor-1248-3	(3)	6.13	6.13	6.13	6.13	6.13	6.13	6.03	6.23
Aroclor-1248-4	(4)	6.53	6.53	6.53	6.53	6.53	6.53	6.43	6.63
Aroclor-1248-5	(5)	6.57	6.57	6.57	6.57	6.57	6.57	6.47	6.67
Decachlorobiphenyl		10.22	10.21	10.22	10.22	10.21	10.22	10.12	10.32
Tetrachloro-m-xylene		4.51	4.50	4.50	4.50	4.50	4.50	4.40	4.60
Aroclor-1254-1	(1)	6.51	6.51	6.51	6.51	6.51	6.51	6.41	6.61
Aroclor-1254-2	(2)	6.72	6.72	6.72	6.72	6.72	6.72	6.62	6.82
Aroclor-1254-3	(3)	7.09	7.09	7.09	7.09	7.09	7.09	6.99	7.19
Aroclor-1254-4	(4)	7.37	7.37	7.37	7.37	7.37	7.37	7.27	7.47
Aroclor-1254-5	(5)	7.79	7.79	7.79	7.79	7.79	7.79	7.69	7.89

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RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl		10.22	10.22	10.22	10.22	10.22	10.22	10.12	10.32
Tetrachloro-m-xylene		4.50	4.50	4.50	4.50	4.50	4.50	4.40	4.60
Aroclor-1268-1	(1)	8.72	8.72	8.72	8.72	8.72	8.72	8.62	8.82
Aroclor-1268-2	(2)	8.81	8.82	8.81	8.81	8.81	8.81	8.71	8.91
Aroclor-1268-3	(3)	9.04	9.05	9.04	9.04	9.05	9.04	8.94	9.14
Aroclor-1268-4	(4)	9.46	9.46	9.46	9.46	9.46	9.46	9.36	9.56
Aroclor-1268-5	(5)	9.88	9.88	9.88	9.88	9.88	9.88	9.78	9.98
Decachlorobiphenyl		10.22	10.22	10.22	10.21	10.22	10.22	10.12	10.32
Tetrachloro-m-xylene		4.50	4.51	4.50	4.50	4.50	4.50	4.40	4.60

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RETENTION TIMES OF INITIAL CALIBRATION

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2150 **SAS No.:** Q2150 **SDG NO.:** Q2150

Instrument ID: ECD_P **Calibration Date(s):** 05/19/2025 05/19/2025

Calibration Times: 09:42 18:25

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

LAB FILE ID: RT 1000 = PP072164.D RT 750 = PP072165.D

RT 500 = PP072166.D RT 250 = PP072167.D RT 050 = PP072168.D

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Aroclor-1016-1	(1)	4.88	4.88	4.88	4.88	4.88	4.88	4.78	4.98
Aroclor-1016-2	(2)	4.90	4.89	4.90	4.90	4.90	4.90	4.80	5.00
Aroclor-1016-3	(3)	5.07	5.07	5.07	5.07	5.07	5.07	4.97	5.17
Aroclor-1016-4	(4)	5.11	5.11	5.12	5.12	5.12	5.12	5.02	5.22
Aroclor-1016-5	(5)	5.33	5.33	5.33	5.33	5.33	5.33	5.23	5.43
Aroclor-1260-1	(1)	6.36	6.36	6.36	6.36	6.36	6.36	6.26	6.46
Aroclor-1260-2	(2)	6.55	6.55	6.55	6.55	6.55	6.55	6.45	6.65
Aroclor-1260-3	(3)	6.71	6.71	6.71	6.71	6.71	6.71	6.61	6.81
Aroclor-1260-4	(4)	7.18	7.18	7.18	7.18	7.18	7.18	7.08	7.28
Aroclor-1260-5	(5)	7.42	7.42	7.42	7.42	7.42	7.42	7.32	7.52
Decachlorobiphenyl		8.82	8.82	8.82	8.82	8.82	8.82	8.72	8.92
Tetrachloro-m-xylene		3.79	3.79	3.79	3.79	3.79	3.79	3.69	3.89
Aroclor-1232-1	(1)	4.17	4.17	4.17	4.17	4.17	4.17	4.07	4.27
Aroclor-1232-2	(2)	4.90	4.90	4.90	4.90	4.90	4.90	4.80	5.00
Aroclor-1232-3	(3)	5.07	5.08	5.08	5.07	5.08	5.08	4.98	5.18
Aroclor-1232-4	(4)	5.16	5.16	5.16	5.16	5.16	5.16	5.06	5.26
Aroclor-1232-5	(5)	5.33	5.33	5.33	5.33	5.33	5.33	5.23	5.43
Decachlorobiphenyl		8.82	8.82	8.82	8.82	8.82	8.82	8.72	8.92
Tetrachloro-m-xylene		3.80	3.80	3.80	3.80	3.80	3.80	3.70	3.90
Aroclor-1242-1	(1)	4.88	4.88	4.88	4.88	4.88	4.88	4.78	4.98
Aroclor-1242-2	(2)	4.90	4.90	4.90	4.90	4.90	4.90	4.80	5.00
Aroclor-1242-3	(3)	5.08	5.08	5.08	5.08	5.08	5.08	4.98	5.18
Aroclor-1242-4	(4)	5.16	5.16	5.16	5.16	5.16	5.16	5.06	5.26
Aroclor-1242-5	(5)	5.68	5.68	5.69	5.68	5.68	5.68	5.58	5.78
Decachlorobiphenyl		8.83	8.83	8.83	8.83	8.82	8.83	8.73	8.93
Tetrachloro-m-xylene		3.80	3.80	3.80	3.80	3.80	3.80	3.70	3.90
Aroclor-1248-1	(1)	4.88	4.88	4.88	4.88	4.88	4.88	4.78	4.98
Aroclor-1248-2	(2)	5.12	5.12	5.12	5.12	5.12	5.12	5.02	5.22
Aroclor-1248-3	(3)	5.16	5.16	5.16	5.16	5.16	5.16	5.06	5.26
Aroclor-1248-4	(4)	5.33	5.33	5.33	5.33	5.33	5.33	5.23	5.43
Aroclor-1248-5	(5)	5.73	5.73	5.73	5.73	5.73	5.73	5.63	5.83
Decachlorobiphenyl		8.83	8.83	8.83	8.83	8.82	8.83	8.73	8.93
Tetrachloro-m-xylene		3.80	3.80	3.80	3.80	3.80	3.80	3.70	3.90
Aroclor-1254-1	(1)	5.69	5.69	5.69	5.69	5.69	5.69	5.59	5.79
Aroclor-1254-2	(2)	5.83	5.83	5.83	5.83	5.83	5.83	5.73	5.93
Aroclor-1254-3	(3)	6.24	6.24	6.24	6.24	6.24	6.24	6.14	6.34
Aroclor-1254-4	(4)	6.47	6.47	6.47	6.47	6.47	6.47	6.37	6.57
Aroclor-1254-5	(5)	6.88	6.88	6.88	6.88	6.88	6.88	6.78	6.98

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RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl		8.83	8.83	8.83	8.83	8.83	8.83	8.73	8.93
Tetrachloro-m-xylene		3.80	3.80	3.80	3.80	3.80	3.80	3.70	3.90
Aroclor-1268-1	(1)	7.70	7.70	7.70	7.70	7.70	7.70	7.60	7.80
Aroclor-1268-2	(2)	7.77	7.77	7.77	7.77	7.77	7.77	7.67	7.87
Aroclor-1268-3	(3)	7.97	7.97	7.97	7.97	7.97	7.97	7.87	8.07
Aroclor-1268-4	(4)	8.27	8.27	8.27	8.27	8.27	8.27	8.17	8.37
Aroclor-1268-5	(5)	8.57	8.57	8.57	8.57	8.57	8.57	8.47	8.67
Decachlorobiphenyl		8.83	8.83	8.83	8.82	8.82	8.83	8.73	8.93
Tetrachloro-m-xylene		3.80	3.80	3.80	3.80	3.80	3.80	3.70	3.90

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2150 **SAS No.:** Q2150 **SDG NO.:** Q2150

Instrument ID: ECD_P **Calibration Date(s):** 05/19/2025 05/19/2025

Calibration Times: 09:42 18:25

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

LAB FILE ID: **CF 1000 =** PP072164.D **CF 750 =** PP072165.D

CF 500 = PP072166.D **CF 250 =** PP072167.D **CF 050 =** PP072168.D

COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	66878491	69828851	76010044	83211968	79488900	75083651	9
Aroclor-1016-2	(2)	99468528	104467549	110518222	118579572	101924480	106991670	7
Aroclor-1016-3	(3)	61412187	64234915	67714060	73550892	60912680	65564947	8
Aroclor-1016-4	(4)	50363803	53404009	55311866	58220708	49049560	53269989	7
Aroclor-1016-5	(5)	45437165	47941741	49914606	51189784	50062640	48909187	5
Aroclor-1260-1	(1)	85553757	90346417	93957158	98060904	100055640	93594775	6
Aroclor-1260-2	(2)	135650987	137755076	143609204	149400496	151032820	143489717	5
Aroclor-1260-3	(3)	109042220	112821207	117388622	121236852	108865120	113870804	5
Aroclor-1260-4	(4)	102101329	107107725	110940768	114591832	101771400	107302611	5
Aroclor-1260-5	(5)	228876095	233706888	240834266	249937120	229956720	236662218	4
Decachlorobiphenyl		1538266220	1617591187	1654764640	1712186920	1622812600	1629124313	4
Tetrachloro-m-xylene		1944699760	2026562000	2072807240	2135906680	1874026800	2010800496	5
Aroclor-1232-1	(1)	44075653	45896815	48002922	48247276	49319600	47108453	4
Aroclor-1232-2	(2)	21717379	22928696	23244388	23029808	25495660	23283186	6
Aroclor-1232-3	(3)	46772523	50148184	51844656	54382920	47167260	50063109	6
Aroclor-1232-4	(4)	23238504	24146713	24804390	26183196	27122440	25099049	6
Aroclor-1232-5	(5)	15752983	16470224	16442412	18109320	20822780	17519544	12
Decachlorobiphenyl		1545279190	1600827560	1672901480	1703701720	1499866000	1604515190	5
Tetrachloro-m-xylene		1886122400	2000973440	2054641840	2122290120	1923172600	1997440080	5
Aroclor-1242-1	(1)	56211553	57323072	62083360	65843868	71524840	62597339	10
Aroclor-1242-2	(2)	82973080	85971496	91883334	97584776	75486540	86779845	10
Aroclor-1242-3	(3)	51559127	52121972	55496172	57080948	59071260	55065896	6
Aroclor-1242-4	(4)	41207603	43030657	45948576	46781836	44776460	44349026	5
Aroclor-1242-5	(5)	47977894	48696228	50879554	52435600	54934800	50984815	6
Decachlorobiphenyl		1526214180	1567133680	1645977640	1728993240	1487418400	1591147428	6
Tetrachloro-m-xylene		1827808490	1928927520	1991275140	2114690400	1713029600	1915146230	8
Aroclor-1248-1	(1)	44038397	47472432	47912646	51445364	51108500	48395468	6
Aroclor-1248-2	(2)	56984732	59400859	61165396	63476680	62172680	60640069	4
Aroclor-1248-3	(3)	64677132	65813748	68767932	70638012	61003720	66180109	6
Aroclor-1248-4	(4)	81606824	85304428	88412180	92196600	89440360	87392078	5
Aroclor-1248-5	(5)	77587697	81003728	83211240	86851844	86474060	83025714	5
Decachlorobiphenyl		1573368300	1599269360	1663196880	1714969280	1478724200	1605905604	6
Tetrachloro-m-xylene		1880240370	1909383627	1990709860	2112434560	1856348600	1949823403	5
Aroclor-1254-1	(1)	79792123	82783284	86922424	91684028	88834440	86003260	6

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1254-2	(2)	120142096	124850076	131105324	134547092	142741880	130677294	7
Aroclor-1254-3	(3)	124307316	127832729	133782854	136984312	137108200	132003082	4
Aroclor-1254-4	(4)	116304358	118550812	124418220	136069712	157210520	130510724	13
Aroclor-1254-5	(5)	107938622	112056604	116315218	117138120	102784720	111246657	5
Decachlorobiphenyl		1576500070	1614032093	1688035380	1708021160	1475084400	1612334621	6
Tetrachloro-m-xylene		1869066560	1948875347	2032435420	2069900400	1617536400	1907562825	9
Aroclor-1268-1	(1)	315692357	322966827	337626016	351356792	338115380	333151474	4
Aroclor-1268-2	(2)	265886956	272371317	285215132	296487980	279979560	279988189	4
Aroclor-1268-3	(3)	227961300	235081659	247250176	255747588	241284760	241465097	4
Aroclor-1268-4	(4)	101392203	104765767	107968348	108360296	102254740	104948271	3
Aroclor-1268-5	(5)	651541042	667177075	686960040	706355632	672967440	677000246	3
Decachlorobiphenyl		2733685450	2815599213	2937966700	3038738360	2636754200	2832548785	6
Tetrachloro-m-xylene		1849618000	1900065360	1995699220	2054630680	1744336400	1908869932	6

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2150 **SAS No.:** Q2150 **SDG NO.:** Q2150

Instrument ID: ECD_P **Calibration Date(s):** 05/19/2025 05/19/2025

Calibration Times: 09:42 18:25

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

LAB FILE ID: **CF 1000 =** PP072164.D **CF 750 =** PP072165.D

CF 500 = PP072166.D **CF 250 =** PP072167.D **CF 050 =** PP072168.D

COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	54525663	58849481	59632288	64515432	69624760	61429525	9
Aroclor-1016-2	(2)	79772717	86154421	85288758	92453296	95277560	87789350	7
Aroclor-1016-3	(3)	42641318	46352395	47330430	50989192	50959120	47654491	7
Aroclor-1016-4	(4)	33654246	36754908	37811202	41521120	40485160	38045327	8
Aroclor-1016-5	(5)	43791070	47744144	49105368	53701332	54780200	49824423	9
Aroclor-1260-1	(1)	72244144	75307759	80373306	84844232	85999160	79753720	7
Aroclor-1260-2	(2)	87664004	90365408	98490088	104924488	125666920	101422182	15
Aroclor-1260-3	(3)	79909091	81326363	88937536	92494016	91844780	86902357	7
Aroclor-1260-4	(4)	64349922	67685321	72647720	77711116	78060640	72090944	8
Aroclor-1260-5	(5)	161315528	166937577	177635780	187517596	174713540	173624004	6
Decachlorobiphenyl		920208980	1044964960	1093136160	1163579000	1071118200	1058601460	8
Tetrachloro-m-xylene		1547649930	1584243107	1593704220	1639561360	1626633000	1598358323	2
Aroclor-1232-1	(1)	37616932	40592059	45290150	47667724	45555860	43344545	9
Aroclor-1232-2	(2)	39358353	42024527	44532022	47402620	47585980	44180700	8
Aroclor-1232-3	(3)	20796080	22347549	23808552	25172964	24790340	23383097	8
Aroclor-1232-4	(4)	17897124	19415229	20680720	21689292	23918420	20720157	11
Aroclor-1232-5	(5)	19472370	21237964	22534450	24219412	28307940	23154427	15
Decachlorobiphenyl		991061470	1069964400	1120483020	1147415120	1151969600	1096178722	6
Tetrachloro-m-xylene		1503650850	1560846907	1685979140	1671096560	1578260800	1599966851	5
Aroclor-1242-1	(1)	46123670	49902476	52843000	57237560	54435320	52108405	8
Aroclor-1242-2	(2)	66003789	71039361	75471286	80940564	74026140	73496228	8
Aroclor-1242-3	(3)	34394227	38777200	41064482	44714476	36677280	39125533	10
Aroclor-1242-4	(4)	32146418	36854119	38826456	43192656	36894340	37582798	11
Aroclor-1242-5	(5)	41776015	46613400	48754570	54226988	49917340	48257663	9
Decachlorobiphenyl		967171680	1074707920	1046164720	1163123680	1078294400	1065892480	7
Tetrachloro-m-xylene		1545621850	1670448987	1600956100	1623877080	1377345600	1563649923	7
Aroclor-1248-1	(1)	38942472	38080832	42980810	46736940	49867020	43321615	12
Aroclor-1248-2	(2)	50685144	49386624	55814958	61079164	65420760	56477330	12
Aroclor-1248-3	(3)	53612101	51937139	58301874	64007240	67677000	59107071	11
Aroclor-1248-4	(4)	63542852	61081784	68799052	75621092	79219440	69652844	11
Aroclor-1248-5	(5)	63751699	62374025	69241268	74501112	78829180	69739457	10
Decachlorobiphenyl		1077930460	1066864453	1129616840	1218519160	1187538600	1136093903	6
Tetrachloro-m-xylene		1585370290	1544149787	1686359520	1807980440	1717995000	1668371007	6
Aroclor-1254-1	(1)	88394708	92134828	103452628	109580892	106208260	99954263	9

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1254-2	(2)	75158218	78808232	90151838	93786952	93629340	86306916	10
Aroclor-1254-3	(3)	118588697	123091027	137573488	140955076	122895140	128620686	8
Aroclor-1254-4	(4)	76184182	79817879	90049888	92363636	88066400	85296397	8
Aroclor-1254-5	(5)	103321222	111630831	120507404	120857332	110441220	113351602	7
Decachlorobiphenyl		1048618240	1081081133	1110321040	1211638680	1138223000	1117976419	6
Tetrachloro-m-xylene		1515554540	1677026120	1758978840	1703246040	1394379800	1609837068	9
Aroclor-1268-1	(1)	212587803	222334836	235771254	243664628	256729280	234217560	7
Aroclor-1268-2	(2)	188526781	196925783	208389682	217661736	222594360	206819668	7
Aroclor-1268-3	(3)	155195263	161035703	174669460	176674312	179279020	169370752	6
Aroclor-1268-4	(4)	67370219	71019111	74855072	76562592	74977520	72956903	5
Aroclor-1268-5	(5)	431064337	442819956	457037218	461770552	492119380	456962289	5
Decachlorobiphenyl		1753973260	1820277787	1902401960	1966032280	2130248600	1914586777	8
Tetrachloro-m-xylene		1581658390	1604094987	1649636500	1662342440	1498230000	1599192463	4

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2150 **SAS No.:** Q2150 **SDG NO.:** Q2150

Instrument ID: ECD_P **Date(s) Analyzed:** 05/19/2025 05/19/2025

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	4.70	4.60	4.80	25133000
		2	4.79	4.69	4.89	17981400
		3	4.86	4.76	4.96	58509600
		4	0.00			0
		5	0.00			0
Aroclor-1262	500	1	8.09	7.99	8.19	133245000
		2	8.41	8.31	8.51	272386000
		3	8.72	8.62	8.82	185530000
		4	8.81	8.71	8.91	134281000
		5	9.46	9.36	9.56	92460600

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2150 **SAS No.:** Q2150 **SDG NO.:** Q2150

Instrument ID: ECD_P **Date(s) Analyzed:** 05/19/2025 05/19/2025

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	4.01	3.91	4.11	23124400
		2	4.09	3.99	4.19	17698400
		3	4.17	4.07	4.27	52270400
		4	0.00			0
		5	0.00			0
Aroclor-1262	500	1	6.92	6.82	7.02	113028000
		2	7.18	7.08	7.28	97127000
		3	7.70	7.60	7.80	81531200
		4	7.77	7.67	7.87	140624000
		5	8.27	8.17	8.37	65083800

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2150 **SAS No.:** Q2150 **SDG NO.:** Q2150

Continuing Calib Date: 05/30/2025 **Initial Calibration Date(s):** 05/19/2025 05/19/2025

Continuing Calib Time: 10:21 **Initial Calibration Time(s):** 09:42 18:25

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)	5.66	5.65	5.55	5.75	-0.01
Aroclor-1016-2	(2)	5.68	5.67	5.57	5.77	-0.01
Aroclor-1016-3	(3)	5.74	5.74	5.64	5.84	0.00
Aroclor-1016-4	(4)	5.84	5.83	5.73	5.93	-0.01
Aroclor-1016-5	(5)	6.13	6.13	6.03	6.23	0.00
Aroclor-1260-1	(1)	7.25	7.25	7.15	7.35	0.00
Aroclor-1260-2	(2)	7.50	7.50	7.40	7.60	0.00
Aroclor-1260-3	(3)	7.86	7.86	7.76	7.96	0.00
Aroclor-1260-4	(4)	8.08	8.09	7.99	8.19	0.01
Aroclor-1260-5	(5)	8.40	8.40	8.30	8.50	0.00
Tetrachloro-m-xylene		4.50	4.50	4.40	4.60	0.00
Decachlorobiphenyl		10.21	10.21	10.11	10.31	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2150 **SAS No.:** Q2150 **SDG NO.:** Q2150

Continuing Calib Date: 05/30/2025 **Initial Calibration Date(s):** 05/19/2025 05/19/2025

Continuing Calib Time: 10:21 **Initial Calibration Time(s):** 09:42 18:25

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1016-1	(1)	4.88	4.88	4.78	4.98	0.00
Aroclor-1016-2	(2)	4.90	4.90	4.80	5.00	0.00
Aroclor-1016-3	(3)	5.07	5.07	4.97	5.17	0.00
Aroclor-1016-4	(4)	5.11	5.12	5.02	5.22	0.01
Aroclor-1016-5	(5)	5.33	5.33	5.23	5.43	0.00
Aroclor-1260-1	(1)	6.36	6.36	6.26	6.46	0.00
Aroclor-1260-2	(2)	6.55	6.55	6.45	6.65	0.00
Aroclor-1260-3	(3)	6.70	6.71	6.61	6.81	0.01
Aroclor-1260-4	(4)	7.17	7.18	7.08	7.28	0.01
Aroclor-1260-5	(5)	7.42	7.42	7.32	7.52	0.01
Tetrachloro-m-xylene		3.80	3.79	3.69	3.89	-0.01
Decachlorobiphenyl		8.82	8.82	8.72	8.92	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2150 **SAS No.:** Q2150 **SDG NO.:** Q2150

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 05/19/2025 05/19/2025

Client Sample No.: CCAL01 **Date Analyzed:** 05/30/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP072461.D **Time Analyzed:** 10:21

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.655	5.552	5.752	422.630	500.000	-15.5
Aroclor-1016-2	5.676	5.574	5.774	470.170	500.000	-6.0
Aroclor-1016-3	5.738	5.636	5.836	468.320	500.000	-6.3
Aroclor-1016-4	5.836	5.734	5.934	488.430	500.000	-2.3
Aroclor-1016-5	6.128	6.027	6.227	478.290	500.000	-4.3
Aroclor-1260-1	7.247	7.147	7.347	455.460	500.000	-8.9
Aroclor-1260-2	7.501	7.401	7.601	471.800	500.000	-5.6
Aroclor-1260-3	7.859	7.760	7.960	493.710	500.000	-1.3
Aroclor-1260-4	8.083	7.985	8.185	484.210	500.000	-3.2
Aroclor-1260-5	8.402	8.303	8.503	506.790	500.000	1.4
Decachlorobiphenyl	10.210	10.113	10.313	52.720	50.000	5.4
Tetrachloro-m-xylene	4.502	4.396	4.596	47.950	50.000	-4.1

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2150 **SAS No.:** Q2150 **SDG NO.:** Q2150

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 05/19/2025 05/19/2025

Client Sample No.: CCAL01 **Date Analyzed:** 05/30/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP072461.D **Time Analyzed:** 10:21

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.878	4.777	4.977	498.390	500.000	-0.3
Aroclor-1016-2	4.896	4.795	4.995	499.930	500.000	0.0
Aroclor-1016-3	5.073	4.973	5.173	502.840	500.000	0.6
Aroclor-1016-4	5.114	5.015	5.215	506.060	500.000	1.2
Aroclor-1016-5	5.329	5.229	5.429	496.780	500.000	-0.6
Aroclor-1260-1	6.361	6.264	6.464	523.800	500.000	4.8
Aroclor-1260-2	6.550	6.453	6.653	499.500	500.000	-0.1
Aroclor-1260-3	6.702	6.606	6.806	530.710	500.000	6.1
Aroclor-1260-4	7.173	7.077	7.277	518.770	500.000	3.8
Aroclor-1260-5	7.415	7.319	7.519	517.690	500.000	3.5
Decachlorobiphenyl	8.816	8.723	8.923	55.760	50.000	11.5
Tetrachloro-m-xylene	3.796	3.691	3.891	49.680	50.000	-0.6

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2150 **SAS No.:** Q2150 **SDG NO.:** Q2150

Continuing Calib Date: 05/30/2025 **Initial Calibration Date(s):** 05/19/2025 05/19/2025

Continuing Calib Time: 16:15 **Initial Calibration Time(s):** 09:42 18:25

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)	5.66	5.65	5.55	5.75	-0.01
Aroclor-1016-2	(2)	5.68	5.67	5.57	5.77	-0.01
Aroclor-1016-3	(3)	5.74	5.74	5.64	5.84	0.00
Aroclor-1016-4	(4)	5.84	5.83	5.73	5.93	-0.01
Aroclor-1016-5	(5)	6.13	6.13	6.03	6.23	0.00
Aroclor-1260-1	(1)	7.25	7.25	7.15	7.35	0.00
Aroclor-1260-2	(2)	7.50	7.50	7.40	7.60	0.00
Aroclor-1260-3	(3)	7.86	7.86	7.76	7.96	0.00
Aroclor-1260-4	(4)	8.08	8.09	7.99	8.19	0.01
Aroclor-1260-5	(5)	8.40	8.40	8.30	8.50	0.00
Tetrachloro-m-xylene		4.50	4.50	4.40	4.60	0.00
Decachlorobiphenyl		10.21	10.21	10.11	10.31	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2150 **SAS No.:** Q2150 **SDG NO.:** Q2150

Continuing Calib Date: 05/30/2025 **Initial Calibration Date(s):** 05/19/2025 05/19/2025

Continuing Calib Time: 16:15 **Initial Calibration Time(s):** 09:42 18:25

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1016-1	(1)	4.88	4.88	4.78	4.98	0.00
Aroclor-1016-2	(2)	4.90	4.90	4.80	5.00	0.00
Aroclor-1016-3	(3)	5.07	5.07	4.97	5.17	0.00
Aroclor-1016-4	(4)	5.12	5.12	5.02	5.22	0.01
Aroclor-1016-5	(5)	5.33	5.33	5.23	5.43	0.00
Aroclor-1260-1	(1)	6.36	6.36	6.26	6.46	0.00
Aroclor-1260-2	(2)	6.55	6.55	6.45	6.65	0.00
Aroclor-1260-3	(3)	6.70	6.71	6.61	6.81	0.01
Aroclor-1260-4	(4)	7.18	7.18	7.08	7.28	0.00
Aroclor-1260-5	(5)	7.42	7.42	7.32	7.52	0.00
Tetrachloro-m-xylene		3.80	3.79	3.69	3.89	-0.01
Decachlorobiphenyl		8.82	8.82	8.72	8.92	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2150 **SAS No.:** Q2150 **SDG NO.:** Q2150

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 05/19/2025 05/19/2025

Client Sample No.: CCAL02 **Date Analyzed:** 05/30/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP072476.D **Time Analyzed:** 16:15

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.655	5.552	5.752	416.340	500.000	-16.7
Aroclor-1016-2	5.677	5.574	5.774	449.250	500.000	-10.2
Aroclor-1016-3	5.739	5.636	5.836	436.950	500.000	-12.6
Aroclor-1016-4	5.837	5.734	5.934	456.260	500.000	-8.7
Aroclor-1016-5	6.129	6.027	6.227	446.620	500.000	-10.7
Aroclor-1260-1	7.248	7.147	7.347	438.650	500.000	-12.3
Aroclor-1260-2	7.501	7.401	7.601	447.180	500.000	-10.6
Aroclor-1260-3	7.860	7.760	7.960	462.100	500.000	-7.6
Aroclor-1260-4	8.084	7.985	8.185	456.590	500.000	-8.7
Aroclor-1260-5	8.403	8.303	8.503	467.390	500.000	-6.5
Decachlorobiphenyl	10.211	10.113	10.313	48.580	50.000	-2.8
Tetrachloro-m-xylene	4.503	4.396	4.596	46.790	50.000	-6.4

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2150 **SAS No.:** Q2150 **SDG NO.:** Q2150

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 05/19/2025 05/19/2025

Client Sample No.: CCAL02 **Date Analyzed:** 05/30/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP072476.D **Time Analyzed:** 16:15

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.878	4.777	4.977	482.170	500.000	-3.6
Aroclor-1016-2	4.896	4.795	4.995	495.180	500.000	-1.0
Aroclor-1016-3	5.074	4.973	5.173	495.170	500.000	-1.0
Aroclor-1016-4	5.115	5.015	5.215	501.040	500.000	0.2
Aroclor-1016-5	5.330	5.229	5.429	493.810	500.000	-1.2
Aroclor-1260-1	6.362	6.264	6.464	516.350	500.000	3.3
Aroclor-1260-2	6.551	6.453	6.653	491.560	500.000	-1.7
Aroclor-1260-3	6.704	6.606	6.806	527.110	500.000	5.4
Aroclor-1260-4	7.175	7.077	7.277	515.270	500.000	3.1
Aroclor-1260-5	7.416	7.319	7.519	509.650	500.000	1.9
Decachlorobiphenyl	8.819	8.723	8.923	51.310	50.000	2.6
Tetrachloro-m-xylene	3.796	3.691	3.891	50.540	50.000	1.1

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2150 **SAS No.:** Q2150 **SDG NO.:** Q2150

Continuing Calib Date: 05/30/2025 **Initial Calibration Date(s):** 05/19/2025 05/19/2025

Continuing Calib Time: 21:09 **Initial Calibration Time(s):** 09:42 18:25

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)	5.66	5.65	5.55	5.75	-0.01
Aroclor-1016-2	(2)	5.68	5.67	5.57	5.77	-0.01
Aroclor-1016-3	(3)	5.74	5.74	5.64	5.84	0.00
Aroclor-1016-4	(4)	5.84	5.83	5.73	5.93	-0.01
Aroclor-1016-5	(5)	6.13	6.13	6.03	6.23	0.00
Aroclor-1260-1	(1)	7.25	7.25	7.15	7.35	0.00
Aroclor-1260-2	(2)	7.50	7.50	7.40	7.60	0.00
Aroclor-1260-3	(3)	7.86	7.86	7.76	7.96	0.00
Aroclor-1260-4	(4)	8.08	8.09	7.99	8.19	0.01
Aroclor-1260-5	(5)	8.40	8.40	8.30	8.50	0.00
Tetrachloro-m-xylene		4.50	4.50	4.40	4.60	0.00
Decachlorobiphenyl		10.21	10.21	10.11	10.31	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2150 **SAS No.:** Q2150 **SDG NO.:** Q2150

Continuing Calib Date: 05/30/2025 **Initial Calibration Date(s):** 05/19/2025 05/19/2025

Continuing Calib Time: 21:09 **Initial Calibration Time(s):** 09:42 18:25

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1016-1	(1)	4.88	4.88	4.78	4.98	0.00
Aroclor-1016-2	(2)	4.90	4.90	4.80	5.00	0.00
Aroclor-1016-3	(3)	5.07	5.07	4.97	5.17	0.00
Aroclor-1016-4	(4)	5.12	5.12	5.02	5.22	0.00
Aroclor-1016-5	(5)	5.33	5.33	5.23	5.43	0.00
Aroclor-1260-1	(1)	6.36	6.36	6.26	6.46	0.00
Aroclor-1260-2	(2)	6.55	6.55	6.45	6.65	0.00
Aroclor-1260-3	(3)	6.71	6.71	6.61	6.81	0.01
Aroclor-1260-4	(4)	7.18	7.18	7.08	7.28	0.00
Aroclor-1260-5	(5)	7.42	7.42	7.32	7.52	0.00
Tetrachloro-m-xylene		3.80	3.79	3.69	3.89	-0.01
Decachlorobiphenyl		8.82	8.82	8.72	8.92	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2150 **SAS No.:** Q2150 **SDG NO.:** Q2150

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 05/19/2025 05/19/2025

Client Sample No.: CCAL03 **Date Analyzed:** 05/30/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP072491.D **Time Analyzed:** 21:09

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.656	5.552	5.752	414.050	500.000	-17.2
Aroclor-1016-2	5.677	5.574	5.774	443.170	500.000	-11.4
Aroclor-1016-3	5.739	5.636	5.836	435.990	500.000	-12.8
Aroclor-1016-4	5.837	5.734	5.934	447.390	500.000	-10.5
Aroclor-1016-5	6.129	6.027	6.227	438.220	500.000	-12.4
Aroclor-1260-1	7.248	7.147	7.347	426.950	500.000	-14.6
Aroclor-1260-2	7.501	7.401	7.601	419.840	500.000	-16.0
Aroclor-1260-3	7.860	7.760	7.960	435.350	500.000	-12.9
Aroclor-1260-4	8.084	7.985	8.185	424.930	500.000	-15.0
Aroclor-1260-5	8.403	8.303	8.503	444.970	500.000	-11.0
Decachlorobiphenyl	10.211	10.113	10.313	46.890	50.000	-6.2
Tetrachloro-m-xylene	4.503	4.396	4.596	46.710	50.000	-6.6

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2150 **SAS No.:** Q2150 **SDG NO.:** Q2150

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 05/19/2025 05/19/2025

Client Sample No.: CCAL03 **Date Analyzed:** 05/30/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP072491.D **Time Analyzed:** 21:09

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.880	4.777	4.977	500.510	500.000	0.1
Aroclor-1016-2	4.897	4.795	4.995	505.890	500.000	1.2
Aroclor-1016-3	5.074	4.973	5.173	512.590	500.000	2.5
Aroclor-1016-4	5.116	5.015	5.215	515.110	500.000	3.0
Aroclor-1016-5	5.330	5.229	5.429	506.240	500.000	1.2
Aroclor-1260-1	6.363	6.264	6.464	499.960	500.000	0.0
Aroclor-1260-2	6.552	6.453	6.653	476.940	500.000	-4.6
Aroclor-1260-3	6.705	6.606	6.806	508.980	500.000	1.8
Aroclor-1260-4	7.175	7.077	7.277	507.230	500.000	1.4
Aroclor-1260-5	7.417	7.319	7.519	506.090	500.000	1.2
Decachlorobiphenyl	8.819	8.723	8.923	52.090	50.000	4.2
Tetrachloro-m-xylene	3.797	3.691	3.891	50.530	50.000	1.1

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Analytical Sequence

Client: CDM Smith **SDG No.:** Q2150

Project: South River WM Replacement **Instrument ID:** ECD_P

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 05/19/2025 05/19/2025

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

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
I.BLK	I.BLK	05/19/2025	09:26	PP072163.D	10.21	4.50
AR1660ICC1000	AR1660ICC1000	05/19/2025	09:42	PP072164.D	10.21	4.50
AR1660ICC750	AR1660ICC750	05/19/2025	09:59	PP072165.D	10.21	4.50
AR1660ICC500	AR1660ICC500	05/19/2025	10:15	PP072166.D	10.21	4.50
AR1660ICC250	AR1660ICC250	05/19/2025	10:32	PP072167.D	10.21	4.50
AR1660ICC050	AR1660ICC050	05/19/2025	10:48	PP072168.D	10.21	4.50
AR1221ICC500	AR1221ICC500	05/19/2025	11:05	PP072169.D	10.21	4.50
AR1232ICC1000	AR1232ICC1000	05/19/2025	11:21	PP072170.D	10.21	4.50
AR1232ICC750	AR1232ICC750	05/19/2025	11:38	PP072171.D	10.22	4.50
AR1232ICC500	AR1232ICC500	05/19/2025	11:54	PP072172.D	10.21	4.50
AR1232ICC250	AR1232ICC250	05/19/2025	12:10	PP072173.D	10.22	4.50
AR1232ICC050	AR1232ICC050	05/19/2025	12:27	PP072174.D	10.21	4.50
AR1242ICC1000	AR1242ICC1000	05/19/2025	12:43	PP072175.D	10.22	4.50
AR1242ICC750	AR1242ICC750	05/19/2025	12:59	PP072176.D	10.22	4.50
AR1242ICC500	AR1242ICC500	05/19/2025	13:15	PP072177.D	10.22	4.51
AR1242ICC250	AR1242ICC250	05/19/2025	13:32	PP072178.D	10.21	4.50
AR1242ICC050	AR1242ICC050	05/19/2025	13:48	PP072179.D	10.22	4.50
AR1248ICC1000	AR1248ICC1000	05/19/2025	14:04	PP072180.D	10.22	4.51
AR1248ICC750	AR1248ICC750	05/19/2025	14:20	PP072181.D	10.21	4.50
AR1248ICC500	AR1248ICC500	05/19/2025	14:37	PP072182.D	10.22	4.50
AR1248ICC250	AR1248ICC250	05/19/2025	14:53	PP072183.D	10.22	4.50
AR1248ICC050	AR1248ICC050	05/19/2025	15:25	PP072184.D	10.21	4.50
AR1254ICC1000	AR1254ICC1000	05/19/2025	15:42	PP072185.D	10.22	4.50
AR1254ICC750	AR1254ICC750	05/19/2025	15:58	PP072186.D	10.22	4.50
AR1254ICC500	AR1254ICC500	05/19/2025	16:14	PP072187.D	10.22	4.50
AR1254ICC250	AR1254ICC250	05/19/2025	16:31	PP072188.D	10.22	4.50
AR1254ICC050	AR1254ICC050	05/19/2025	16:47	PP072189.D	10.22	4.50
AR1262ICC500	AR1262ICC500	05/19/2025	17:03	PP072190.D	10.22	4.50
AR1268ICC1000	AR1268ICC1000	05/19/2025	17:20	PP072191.D	10.22	4.50
AR1268ICC750	AR1268ICC750	05/19/2025	17:36	PP072192.D	10.22	4.51
AR1268ICC500	AR1268ICC500	05/19/2025	17:53	PP072193.D	10.22	4.50
AR1268ICC250	AR1268ICC250	05/19/2025	18:09	PP072194.D	10.21	4.50
AR1268ICC050	AR1268ICC050	05/19/2025	18:25	PP072195.D	10.22	4.50
AR1660CCC500	AR1660CCC500	05/30/2025	10:21	PP072461.D	10.21	4.50
I.BLK	I.BLK	05/30/2025	11:29	PP072465.D	10.21	4.50
PB168208BL	PB168208BL	05/30/2025	12:59	PP072466.D	10.21	4.51
PB168208BS	PB168208BS	05/30/2025	13:15	PP072467.D	10.21	4.50
TP-44	Q2150-01	05/30/2025	13:32	PP072468.D	10.21	4.50
TP-42	Q2150-02	05/30/2025	13:48	PP072469.D	10.21	4.50
TP-42MS	Q2150-02MS	05/30/2025	14:04	PP072470.D	10.21	4.50
TP-42MSD	Q2150-02MSD	05/30/2025	14:20	PP072471.D	10.21	4.50
TP-39	Q2150-03	05/30/2025	14:37	PP072472.D	10.21	4.50

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Fax : 908 789 8922

Analytical Sequence

TP-48	Q2150-04	05/30/2025	14:53	PP072473.D	10.21	4.50
TP-47	Q2150-05	05/30/2025	15:10	PP072474.D	10.21	4.50
TP-50	Q2150-06	05/30/2025	15:26	PP072475.D	10.21	4.50
AR1660CCC500	AR1660CCC500	05/30/2025	16:15	PP072476.D	10.21	4.50
I.BLK	I.BLK	05/30/2025	17:20	PP072480.D	10.21	4.50
TP-51	Q2150-07	05/30/2025	17:37	PP072481.D	10.21	4.50
TP-52	Q2150-08	05/30/2025	17:53	PP072482.D	10.21	4.50
TP-54	Q2150-09	05/30/2025	18:09	PP072483.D	10.21	4.50
TP-53	Q2150-10	05/30/2025	18:26	PP072484.D	10.21	4.50
AR1660CCC500	AR1660CCC500	05/30/2025	21:09	PP072491.D	10.21	4.50
I.BLK	I.BLK	05/30/2025	22:31	PP072495.D	10.21	4.50

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Analytical Sequence

Client: CDM Smith **SDG No.:** Q2150

Project: South River WM Replacement **Instrument ID:** ECD_P

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 05/19/2025 05/19/2025

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

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
I.BLK	I.BLK	05/19/2025	09:26	PP072163.D	8.82	3.79
AR1660ICC1000	AR1660ICC1000	05/19/2025	09:42	PP072164.D	8.82	3.79
AR1660ICC750	AR1660ICC750	05/19/2025	09:59	PP072165.D	8.82	3.79
AR1660ICC500	AR1660ICC500	05/19/2025	10:15	PP072166.D	8.82	3.79
AR1660ICC250	AR1660ICC250	05/19/2025	10:32	PP072167.D	8.82	3.79
AR1660ICC050	AR1660ICC050	05/19/2025	10:48	PP072168.D	8.82	3.79
AR1221ICC500	AR1221ICC500	05/19/2025	11:05	PP072169.D	8.82	3.79
AR1232ICC1000	AR1232ICC1000	05/19/2025	11:21	PP072170.D	8.82	3.80
AR1232ICC750	AR1232ICC750	05/19/2025	11:38	PP072171.D	8.82	3.80
AR1232ICC500	AR1232ICC500	05/19/2025	11:54	PP072172.D	8.82	3.80
AR1232ICC250	AR1232ICC250	05/19/2025	12:10	PP072173.D	8.82	3.80
AR1232ICC050	AR1232ICC050	05/19/2025	12:27	PP072174.D	8.82	3.80
AR1242ICC1000	AR1242ICC1000	05/19/2025	12:43	PP072175.D	8.83	3.80
AR1242ICC750	AR1242ICC750	05/19/2025	12:59	PP072176.D	8.83	3.80
AR1242ICC500	AR1242ICC500	05/19/2025	13:15	PP072177.D	8.83	3.80
AR1242ICC250	AR1242ICC250	05/19/2025	13:32	PP072178.D	8.83	3.80
AR1242ICC050	AR1242ICC050	05/19/2025	13:48	PP072179.D	8.82	3.80
AR1248ICC1000	AR1248ICC1000	05/19/2025	14:04	PP072180.D	8.83	3.80
AR1248ICC750	AR1248ICC750	05/19/2025	14:20	PP072181.D	8.83	3.80
AR1248ICC500	AR1248ICC500	05/19/2025	14:37	PP072182.D	8.83	3.80
AR1248ICC250	AR1248ICC250	05/19/2025	14:53	PP072183.D	8.83	3.80
AR1248ICC050	AR1248ICC050	05/19/2025	15:25	PP072184.D	8.82	3.80
AR1254ICC1000	AR1254ICC1000	05/19/2025	15:42	PP072185.D	8.83	3.80
AR1254ICC750	AR1254ICC750	05/19/2025	15:58	PP072186.D	8.83	3.80
AR1254ICC500	AR1254ICC500	05/19/2025	16:14	PP072187.D	8.83	3.80
AR1254ICC250	AR1254ICC250	05/19/2025	16:31	PP072188.D	8.83	3.80
AR1254ICC050	AR1254ICC050	05/19/2025	16:47	PP072189.D	8.83	3.80
AR1262ICC500	AR1262ICC500	05/19/2025	17:03	PP072190.D	8.83	3.80
AR1268ICC1000	AR1268ICC1000	05/19/2025	17:20	PP072191.D	8.83	3.80
AR1268ICC750	AR1268ICC750	05/19/2025	17:36	PP072192.D	8.83	3.80
AR1268ICC500	AR1268ICC500	05/19/2025	17:53	PP072193.D	8.83	3.80
AR1268ICC250	AR1268ICC250	05/19/2025	18:09	PP072194.D	8.82	3.80
AR1268ICC050	AR1268ICC050	05/19/2025	18:25	PP072195.D	8.82	3.80
AR1660CCC500	AR1660CCC500	05/30/2025	10:21	PP072461.D	8.82	3.80
I.BLK	I.BLK	05/30/2025	11:29	PP072465.D	8.82	3.80
PB168208BL	PB168208BL	05/30/2025	12:59	PP072466.D	8.82	3.80
PB168208BS	PB168208BS	05/30/2025	13:15	PP072467.D	8.82	3.80
TP-44	Q2150-01	05/30/2025	13:32	PP072468.D	8.82	3.80
TP-42	Q2150-02	05/30/2025	13:48	PP072469.D	8.82	3.80
TP-42MS	Q2150-02MS	05/30/2025	14:04	PP072470.D	8.82	3.80
TP-42MSD	Q2150-02MSD	05/30/2025	14:20	PP072471.D	8.82	3.80
TP-39	Q2150-03	05/30/2025	14:37	PP072472.D	8.82	3.80

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Analytical Sequence

TP-48	Q2150-04	05/30/2025	14:53	PP072473.D	8.82	3.80
TP-47	Q2150-05	05/30/2025	15:10	PP072474.D	8.82	3.80
TP-50	Q2150-06	05/30/2025	15:26	PP072475.D	8.82	3.80
AR1660CCC500	AR1660CCC500	05/30/2025	16:15	PP072476.D	8.82	3.80
I.BLK	I.BLK	05/30/2025	17:20	PP072480.D	8.82	3.80
TP-51	Q2150-07	05/30/2025	17:37	PP072481.D	8.82	3.80
TP-52	Q2150-08	05/30/2025	17:53	PP072482.D	8.82	3.80
TP-54	Q2150-09	05/30/2025	18:09	PP072483.D	8.82	3.80
TP-53	Q2150-10	05/30/2025	18:26	PP072484.D	8.82	3.80
AR1660CCC500	AR1660CCC500	05/30/2025	21:09	PP072491.D	8.82	3.80
I.BLK	I.BLK	05/30/2025	22:31	PP072495.D	8.82	3.80

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IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.
PB168208BS

Contract: CAMP02

Lab Code: CHEM Case No.: Q2150 SAS No.: Q2150 SDG NO.: Q2150

Lab Sample ID: PB168208BS Date(s) Analyzed: 05/30/2025 05/30/2025

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 PP072467.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1016	1	5.655	5.605	5.705	112		
	2	5.677	5.627	5.727	126		
	3	5.74	5.69	5.79	123		
COLUMN 1	4	5.837	5.787	5.887	125		
	5	6.129	6.079	6.179	120	121	
	1	4.879	4.829	4.929	128		
	2	4.897	4.847	4.947	131		
	3	5.074	5.024	5.124	131		
	4	5.115	5.065	5.165	130		
COLUMN 2	5	5.329	5.279	5.379	128	129	6.4
Aroclor-1260	1	7.248	7.198	7.298	131		
	2	7.501	7.451	7.551	129		
	3	7.86	7.81	7.91	115		
COLUMN 1	4	8.084	8.034	8.134	121		
	5	8.404	8.354	8.454	120	123	
	1	6.362	6.312	6.412	140		
	2	6.55	6.5	6.6	133		
	3	6.703	6.653	6.753	144		
	4	7.173	7.123	7.223	128		
COLUMN 2	5	7.416	7.366	7.466	125	134	8.56

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IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

TP-42MS

Contract: CAMP02

Lab Code: CHEM Case No.: Q2150 SAS No.: Q2150 SDG NO.: Q2150

Lab Sample ID: Q2150-02MS Date(s) Analyzed: 05/30/2025 05/30/2025

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 PP072470.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1016	1	5.654	5.604	5.704	70.2		
	2	5.676	5.626	5.726	73.6		
	3	5.737	5.687	5.787	72.1		
COLUMN 1	4	5.835	5.785	5.885	76.2		
	5	6.128	6.078	6.178	70.6	72.6	
	1	4.879	4.829	4.929	84.9		
	2	4.897	4.847	4.947	85.9		
	3	5.075	5.025	5.125	87.1		
	4	5.116	5.066	5.166	85.8		
COLUMN 2	5	5.33	5.28	5.38	84.5	85.6	16.43
Aroclor-1260	1	7.245	7.195	7.295	69.8		
	2	7.5	7.45	7.55	69.1		
	3	7.858	7.808	7.908	57.9		
COLUMN 1	4	8.081	8.031	8.131	66.0		
	5	8.4	8.35	8.45	59.4	64.4	
	1	6.363	6.313	6.413	87.7		
	2	6.552	6.502	6.602	77.8		
	3	6.704	6.654	6.754	82.5		
	4	7.175	7.125	7.225	70.2		
COLUMN 2	5	7.417	7.367	7.467	67.7	77.2	18.08

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IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

TP-42MSD

Contract: CAMP02

Lab Code: CHEM Case No.: Q2150 SAS No.: Q2150 SDG NO.: Q2150

Lab Sample ID: Q2150-02MSD Date(s) Analyzed: 05/30/2025 05/30/2025

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 PP072471.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1016	1	5.655	5.605	5.705	69.0		
	2	5.676	5.626	5.726	78.8		
	3	5.739	5.689	5.789	73.6		
COLUMN 1	4	5.836	5.786	5.886	77.5		
	5	6.129	6.079	6.179	73.4	74.5	
	1	4.88	4.83	4.93	86.0		
	2	4.898	4.848	4.948	85.7		
	3	5.075	5.025	5.125	87.7		
	4	5.116	5.066	5.166	87.5		
COLUMN 2	5	5.331	5.281	5.381	85.7	86.5	14.91
Aroclor-1260	1	7.246	7.196	7.296	73.3		
	2	7.501	7.451	7.551	71.1		
	3	7.859	7.809	7.909	60.9		
COLUMN 1	4	8.084	8.034	8.134	69.5		
	5	8.404	8.354	8.454	61.5	67.3	
	1	6.363	6.313	6.413	89.3		
	2	6.552	6.502	6.602	79.1		
	3	6.704	6.654	6.754	84.7		
	4	7.175	7.125	7.225	73.4		
COLUMN 2	5	7.417	7.367	7.467	69.9	79.3	16.37

SAMPLE RAW DATA

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP053025\
Data File : PP072468.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 May 2025 13:32
Operator : YP\AJ
Sample : Q2150-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
TP-44

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 06/02/2025
Supervised By :mohammad ahmed 06/03/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 30 14:38:11 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 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...	4.500	3.796	34341788	31646236	17.079m	19.799
2)	SA Decachlor...	10.210	8.817	23560625	17224699	14.462	16.271
	Target Compounds						

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP053025\
Data File : PP072468.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 May 2025 13:32
Operator : YP\AJ
Sample : Q2150-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

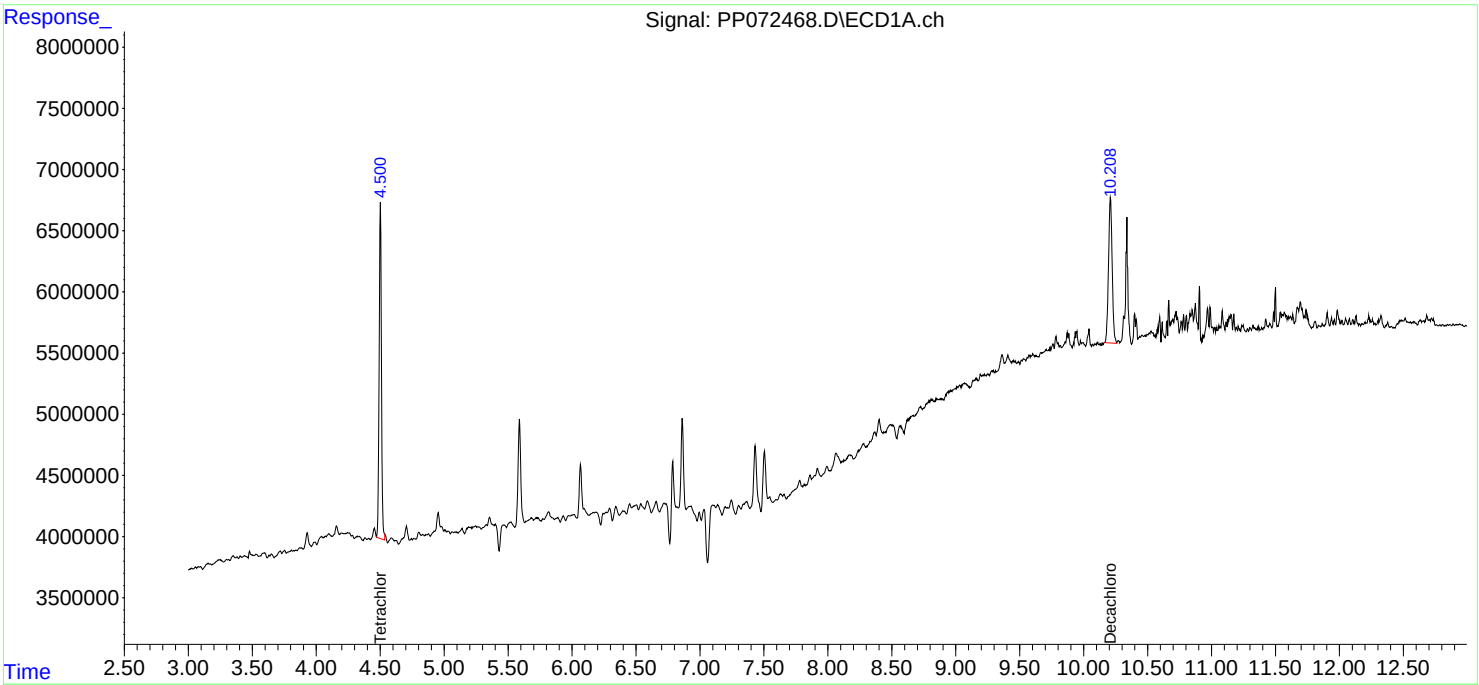
Instrument :
ECD_P
ClientSampleId :
TP-44

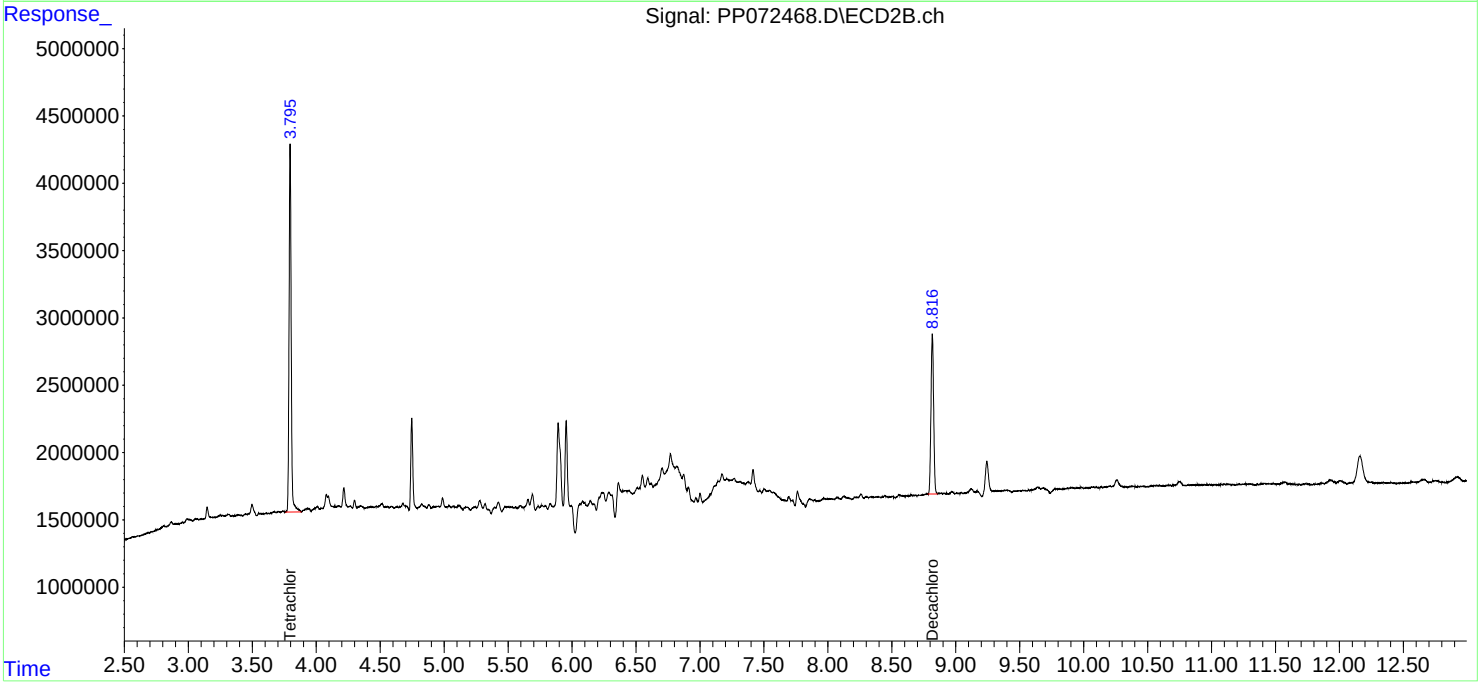
Manual Integrations APPROVED

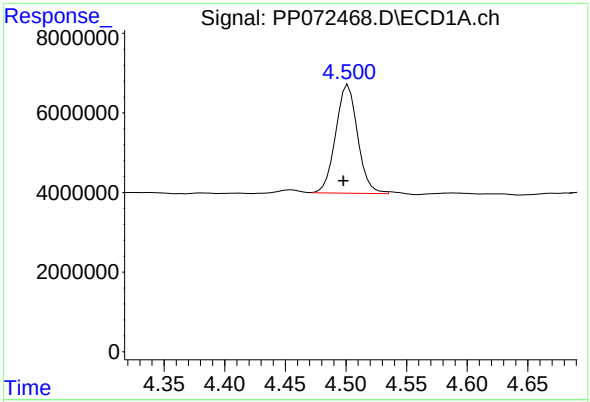
Reviewed By :Yogesh Patel 06/02/2025
Supervised By :mohammad ahmed 06/03/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 30 14:38:11 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 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







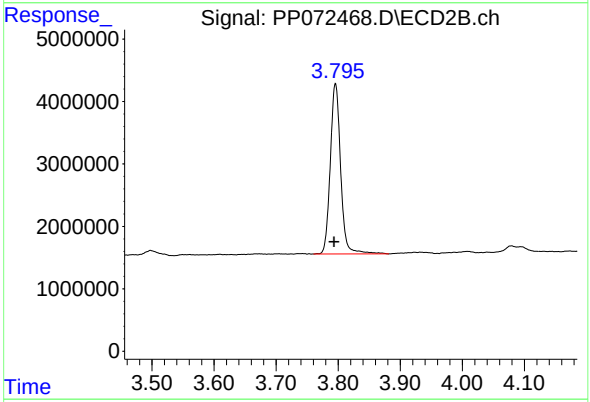
#1 Tetrachloro-m-xylene

R.T.: 4.500 min
Delta R.T.: 0.002 min
Response: 34341788
Conc: 17.08 ng/ml

Instrument :
ECD_P
ClientSampleId :
TP-44

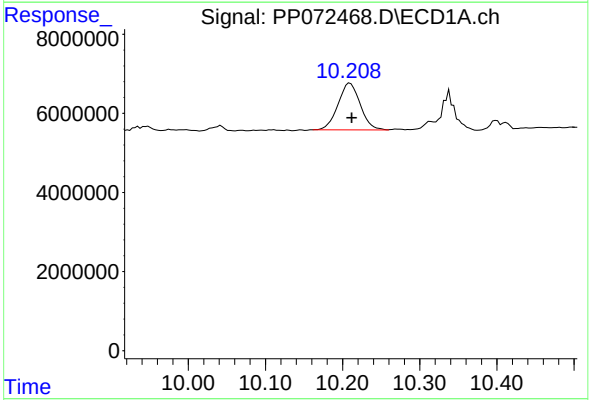
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/02/2025
Supervised By :mohammad ahmed 06/03/2025



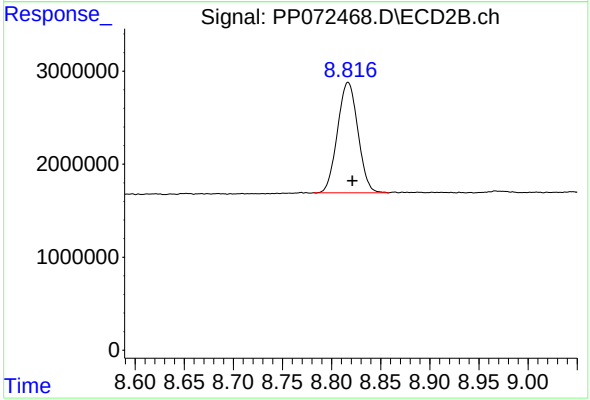
#1 Tetrachloro-m-xylene

R.T.: 3.796 min
Delta R.T.: 0.002 min
Response: 31646236
Conc: 19.80 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.210 min
Delta R.T.: -0.002 min
Response: 23560625
Conc: 14.46 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.817 min
Delta R.T.: -0.004 min
Response: 17224699
Conc: 16.27 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP053025\
Data File : PP072469.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 May 2025 13:48
Operator : YP\AJ
Sample : Q2150-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
TP-42

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 30 14:38:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 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...	4.501	3.797	35639212	32633005	17.724	20.417
2)	SA Decachlor...	10.208	8.817	20572602	15817434	12.628	14.942
	Target Compounds						

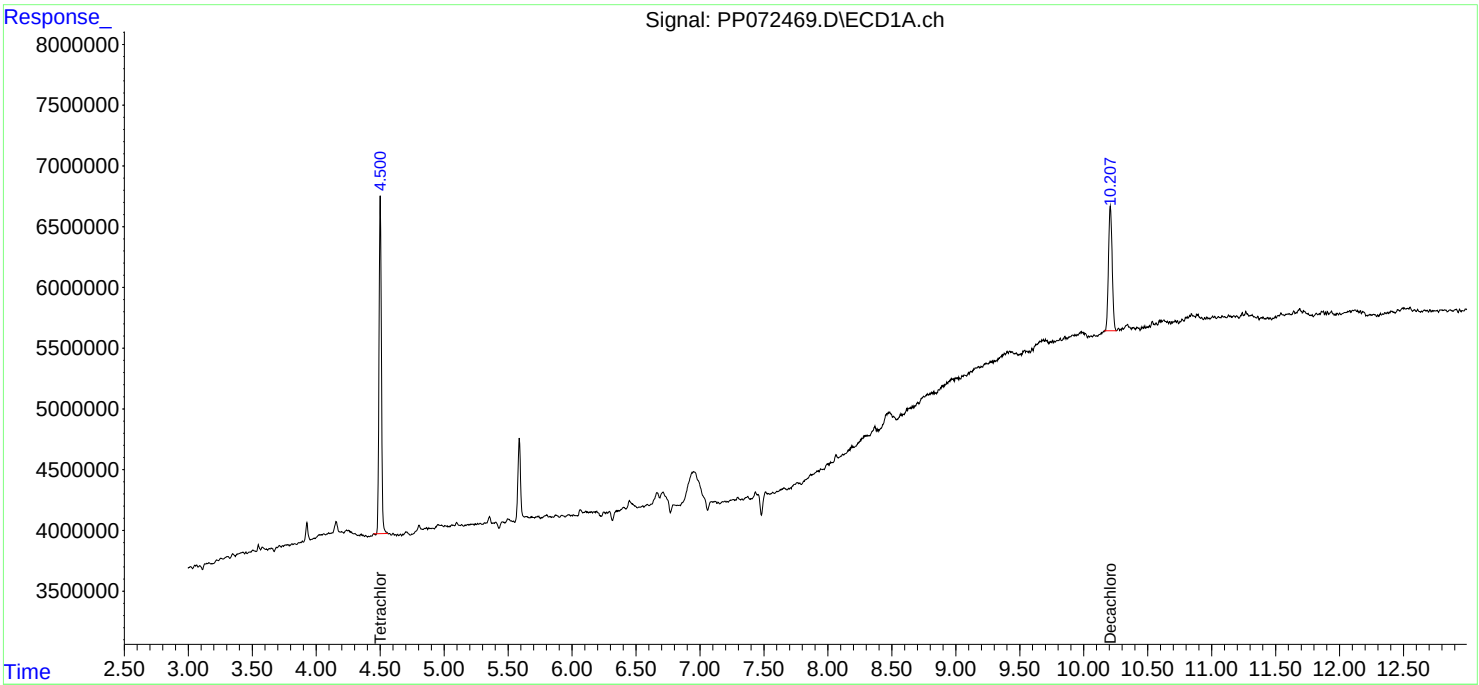
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

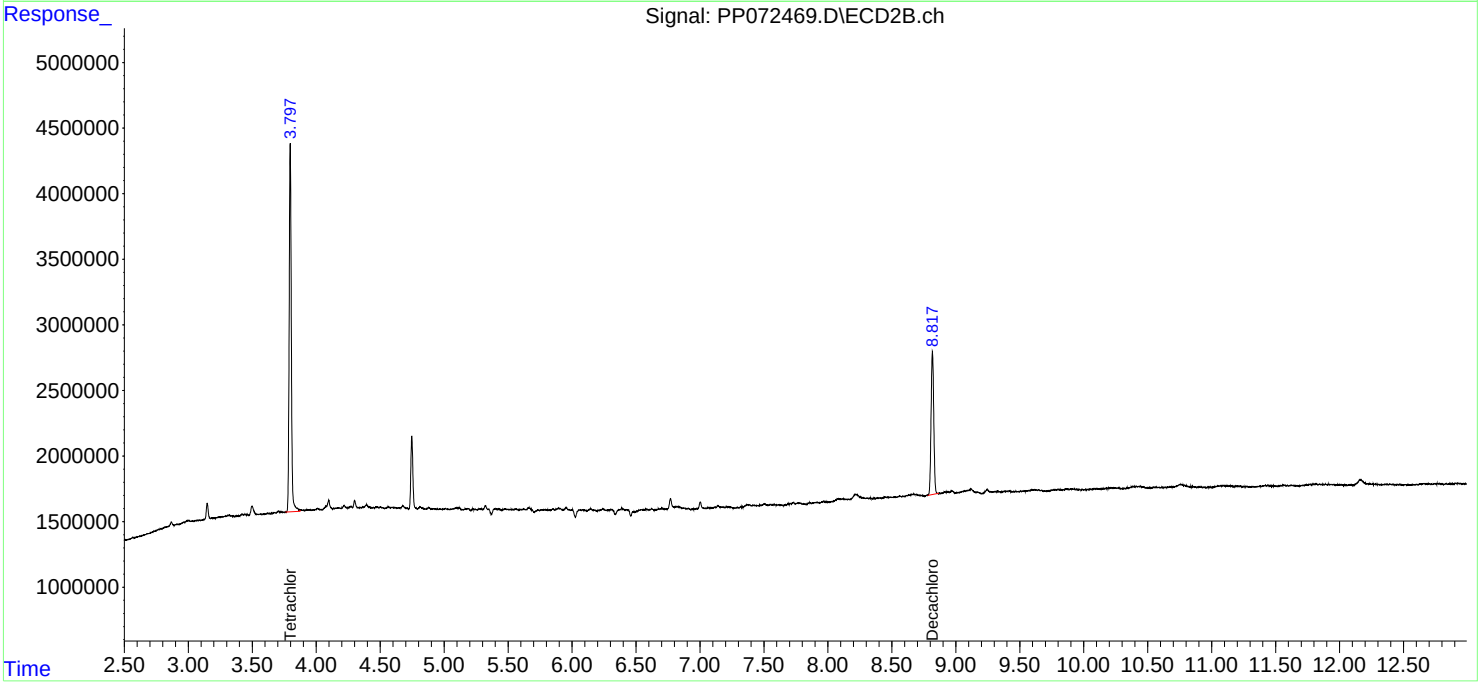
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP053025\
Data File : PP072469.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 May 2025 13:48
Operator : YP\AJ
Sample : Q2150-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

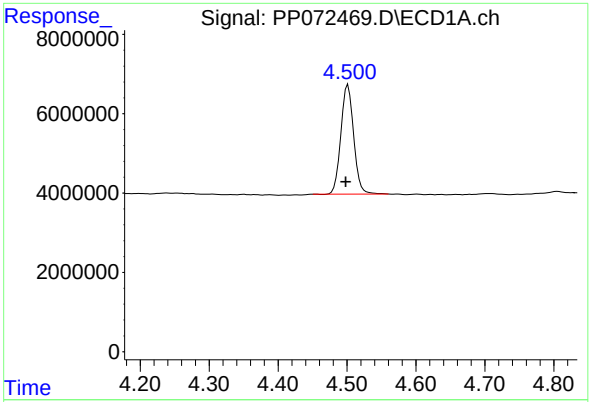
Instrument :
ECD_P
ClientSampleId :
TP-42

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 30 14:38:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 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



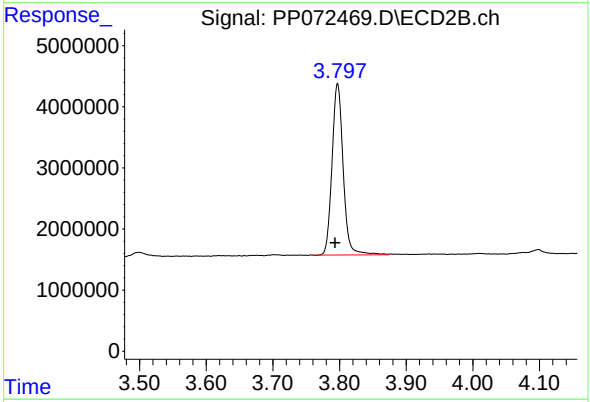




#1 Tetrachloro-m-xylene

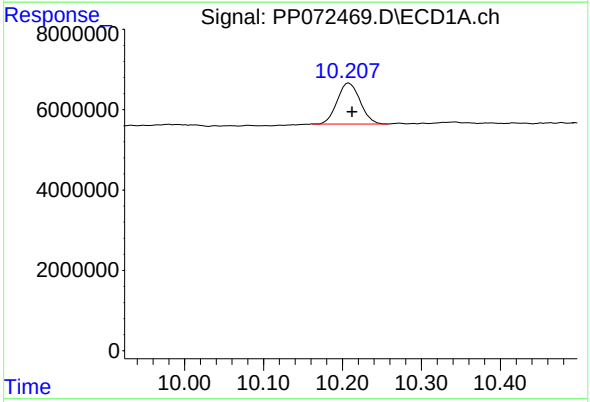
R.T.: 4.501 min
Delta R.T.: 0.003 min
Response: 35639212
Conc: 17.72 ng/ml

Instrument :
ECD_P
ClientSampleId :
TP-42



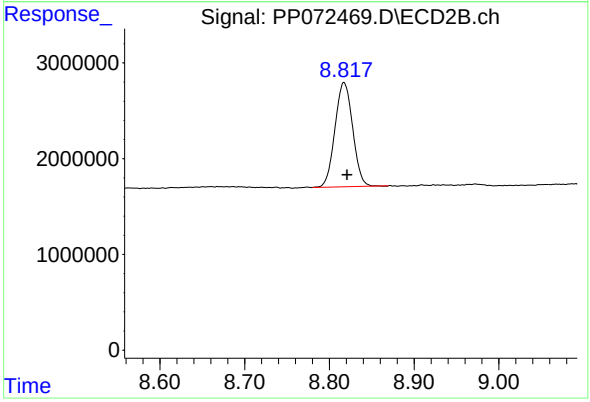
#1 Tetrachloro-m-xylene

R.T.: 3.797 min
Delta R.T.: 0.004 min
Response: 32633005
Conc: 20.42 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.208 min
Delta R.T.: -0.004 min
Response: 20572602
Conc: 12.63 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.817 min
Delta R.T.: -0.004 min
Response: 15817434
Conc: 14.94 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP053025\
Data File : PP072472.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 May 2025 14:37
Operator : YP\AJ
Sample : Q2150-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
TP-39

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 30 16:53:03 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 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...	4.503	3.797	32976165	29923480	16.400	18.721
2)	SA Decachlor...	10.211	8.819	17833442	12678101	10.947	11.976
	Target Compounds						

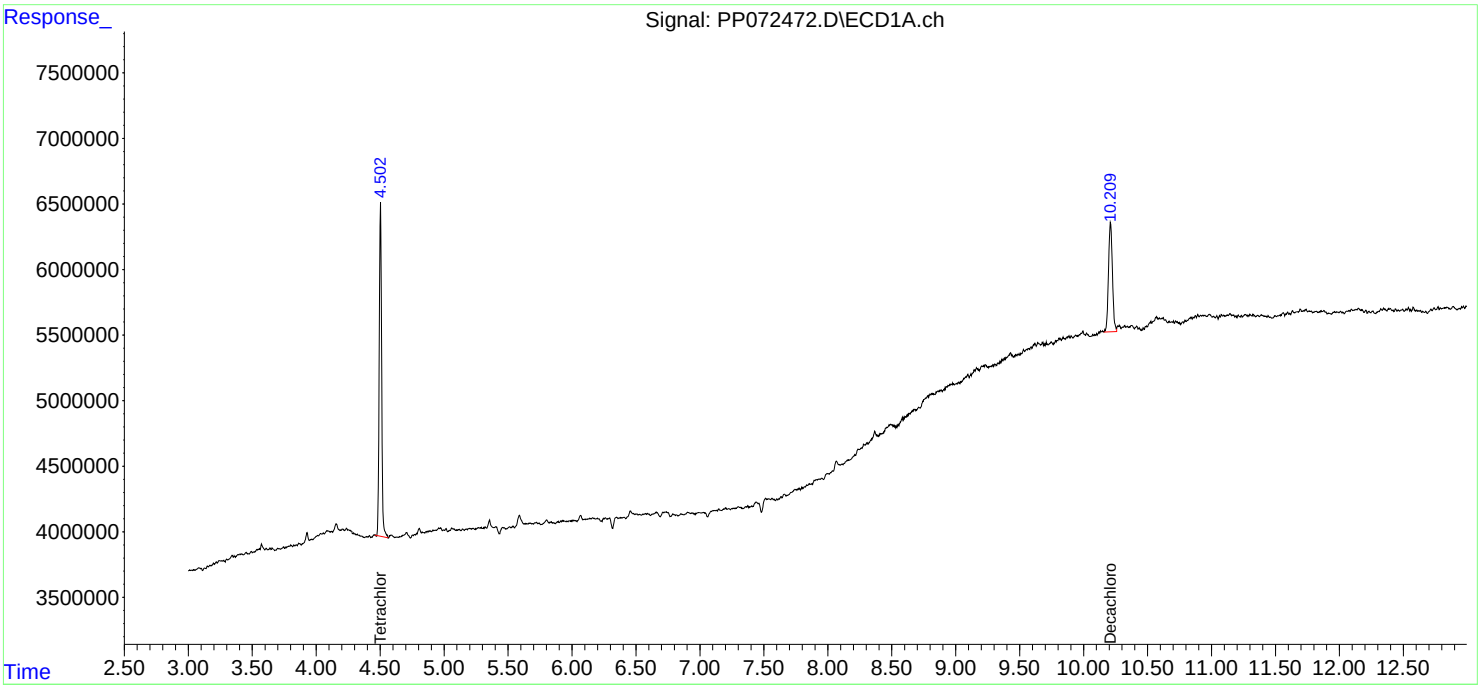
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

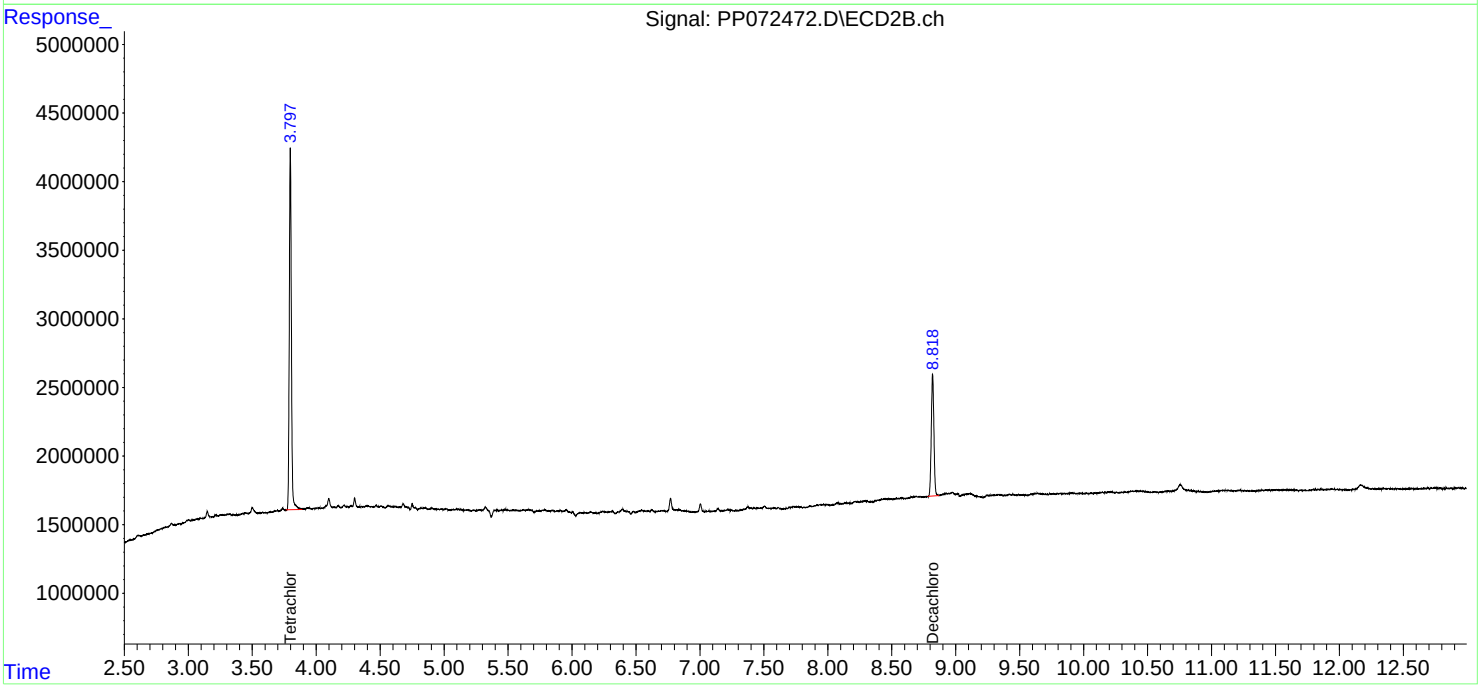
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP053025\
Data File : PP072472.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 May 2025 14:37
Operator : YP\AJ
Sample : Q2150-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

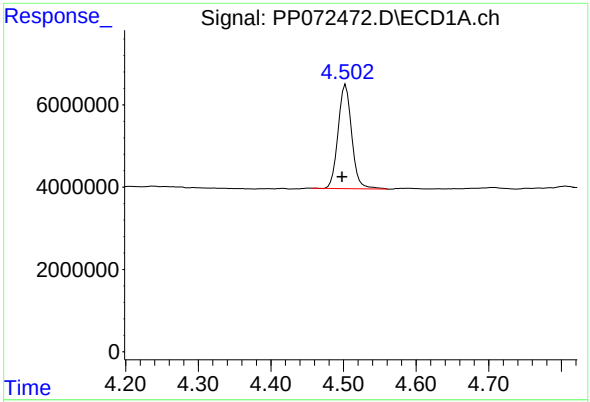
Instrument :
ECD_P
ClientSampleId :
TP-39

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 30 16:53:03 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 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



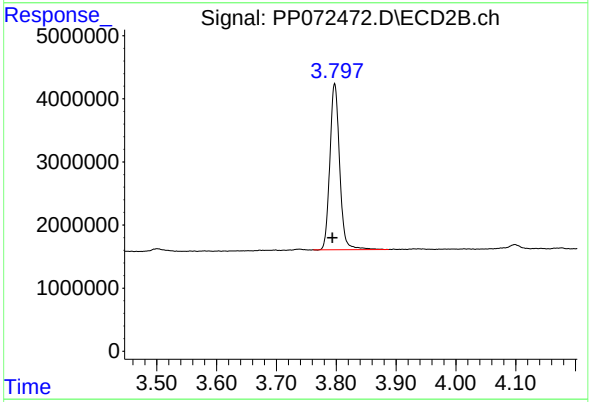




#1 Tetrachloro-m-xylene

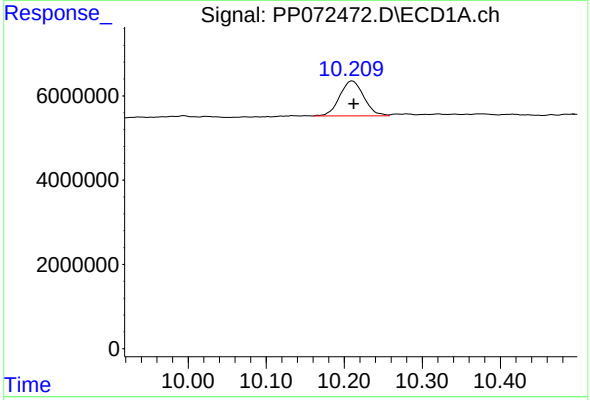
R.T.: 4.503 min
Delta R.T.: 0.005 min
Response: 32976165
Conc: 16.40 ng/ml

Instrument :
ECD_P
ClientSampleId :
TP-39



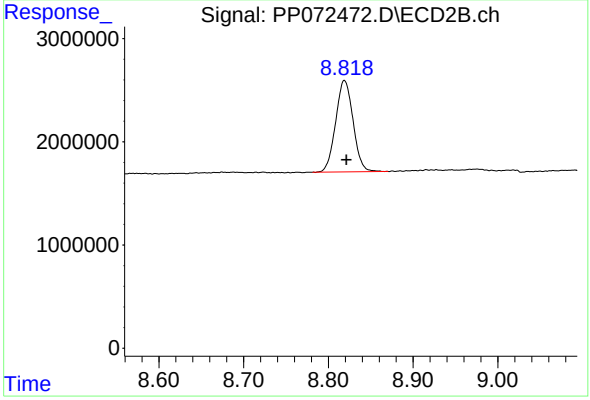
#1 Tetrachloro-m-xylene

R.T.: 3.797 min
Delta R.T.: 0.004 min
Response: 29923480
Conc: 18.72 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.211 min
Delta R.T.: -0.001 min
Response: 17833442
Conc: 10.95 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.819 min
Delta R.T.: -0.002 min
Response: 12678101
Conc: 11.98 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP053025\
Data File : PP072473.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 May 2025 14:53
Operator : YP\AJ
Sample : Q2150-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
TP-48

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 30 16:53:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 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...	4.504	3.797	32460405	28030465	16.143	17.537
2)	SA Decachlor...	10.212	8.817	23231046	17205688	14.260	16.253
	Target Compounds						

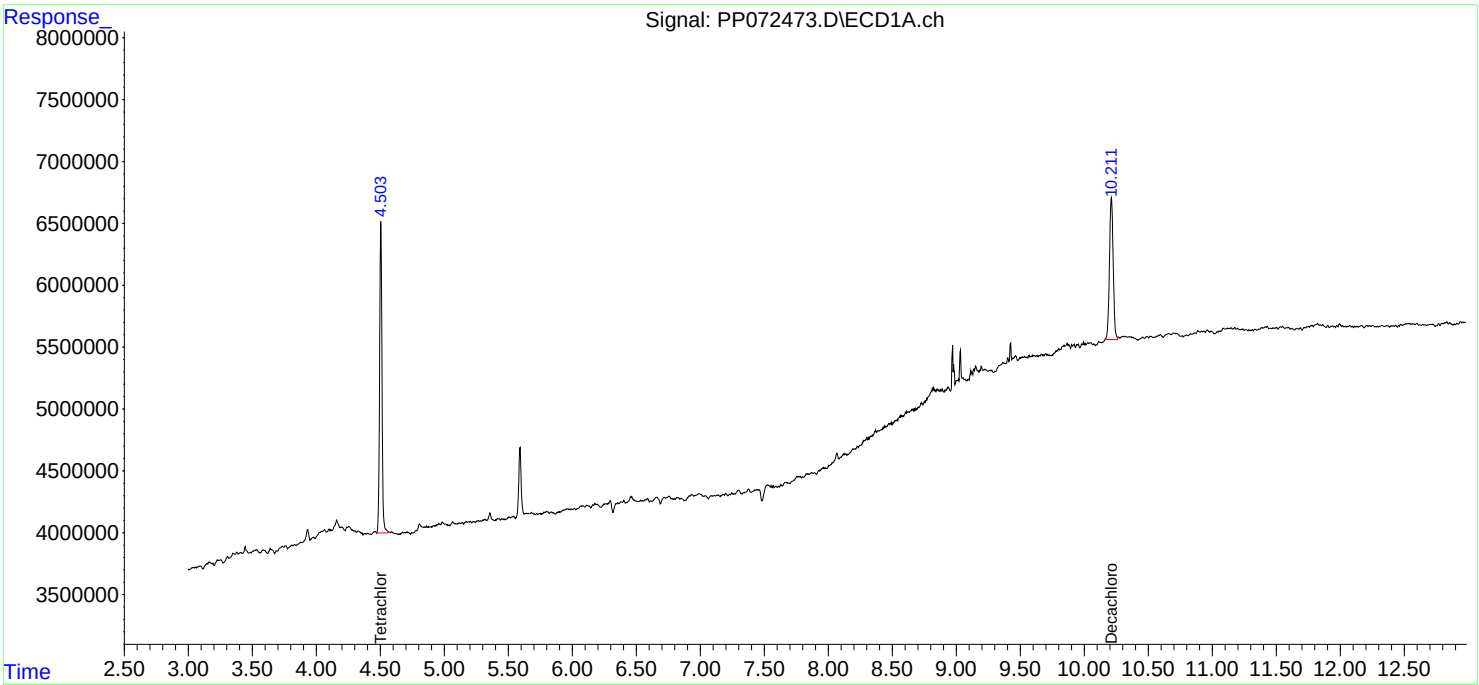
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

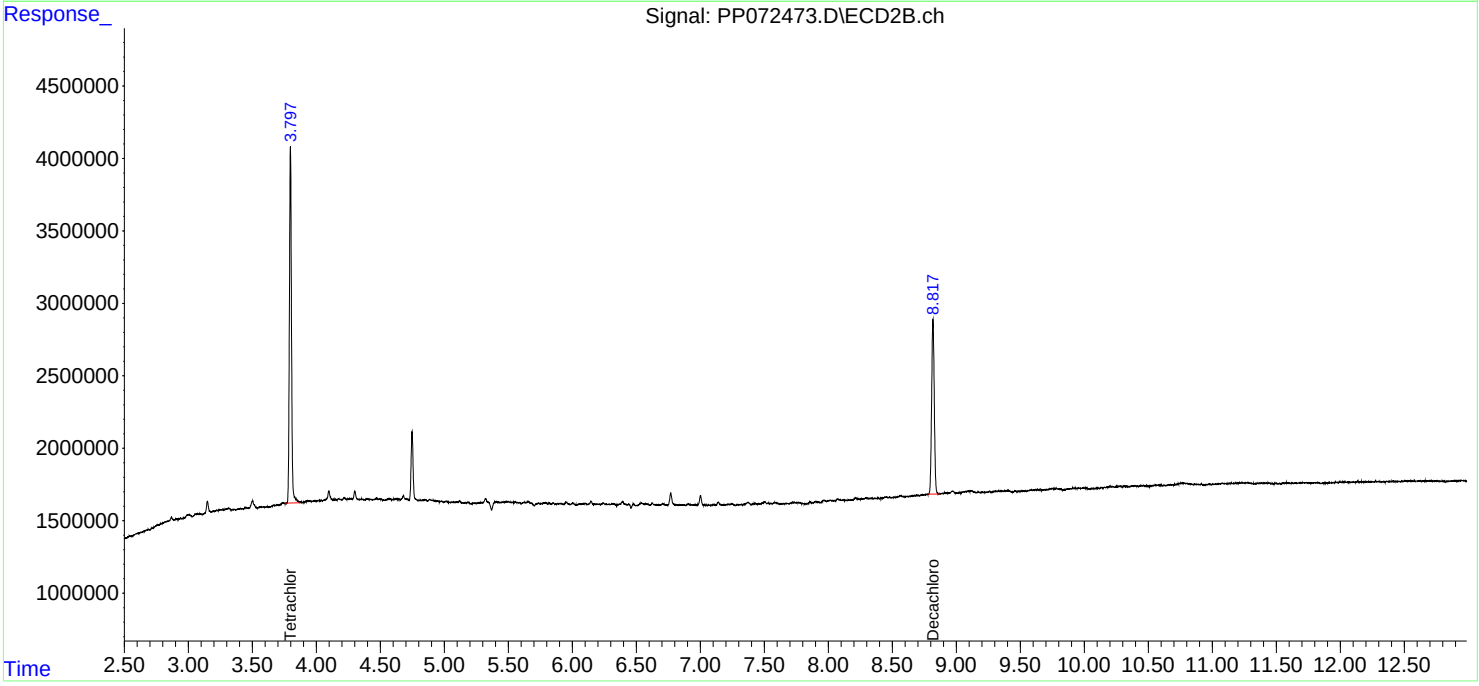
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP053025\
Data File : PP072473.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 May 2025 14:53
Operator : YP\AJ
Sample : Q2150-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

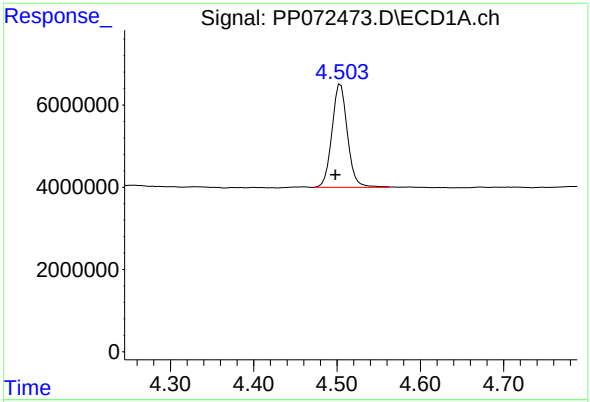
Instrument :
ECD_P
ClientSampleId :
TP-48

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 30 16:53:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 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



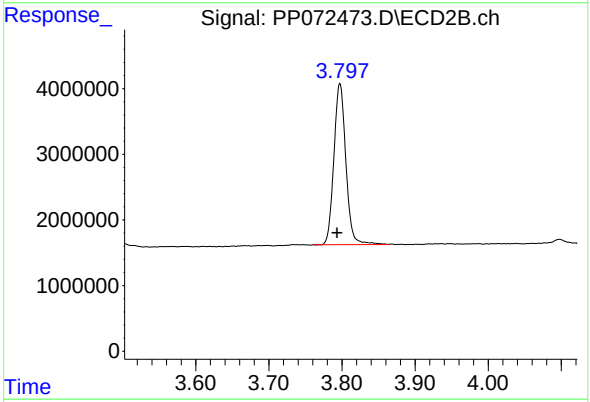




#1 Tetrachloro-m-xylene

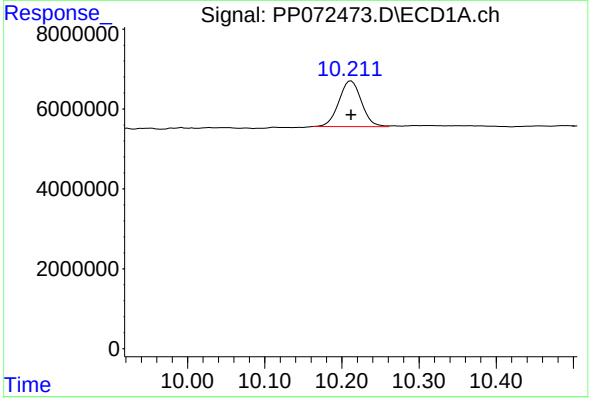
R.T.: 4.504 min
Delta R.T.: 0.006 min
Response: 32460405
Conc: 16.14 ng/ml

Instrument :
ECD_P
ClientSampleId :
TP-48



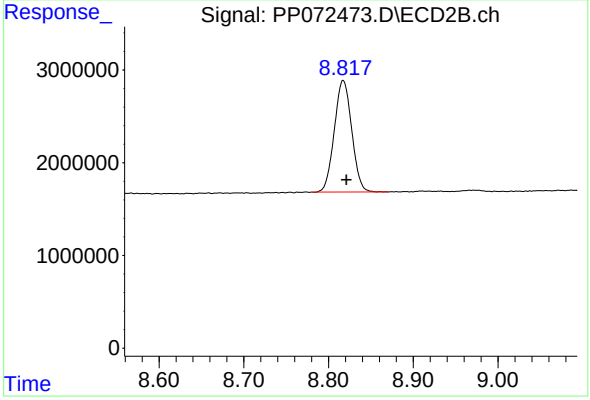
#1 Tetrachloro-m-xylene

R.T.: 3.797 min
Delta R.T.: 0.004 min
Response: 28030465
Conc: 17.54 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.212 min
Delta R.T.: 0.000 min
Response: 23231046
Conc: 14.26 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.817 min
Delta R.T.: -0.004 min
Response: 17205688
Conc: 16.25 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP053025\
Data File : PP072474.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 May 2025 15:10
Operator : YP\AJ
Sample : Q2150-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
TP-47

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 30 16:54:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 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...	4.502	3.798	35563776	32446850	17.686	20.300
2)	SA Decachlor...	10.210	8.818	21411289	14804442	13.143	13.985
	Target Compounds						

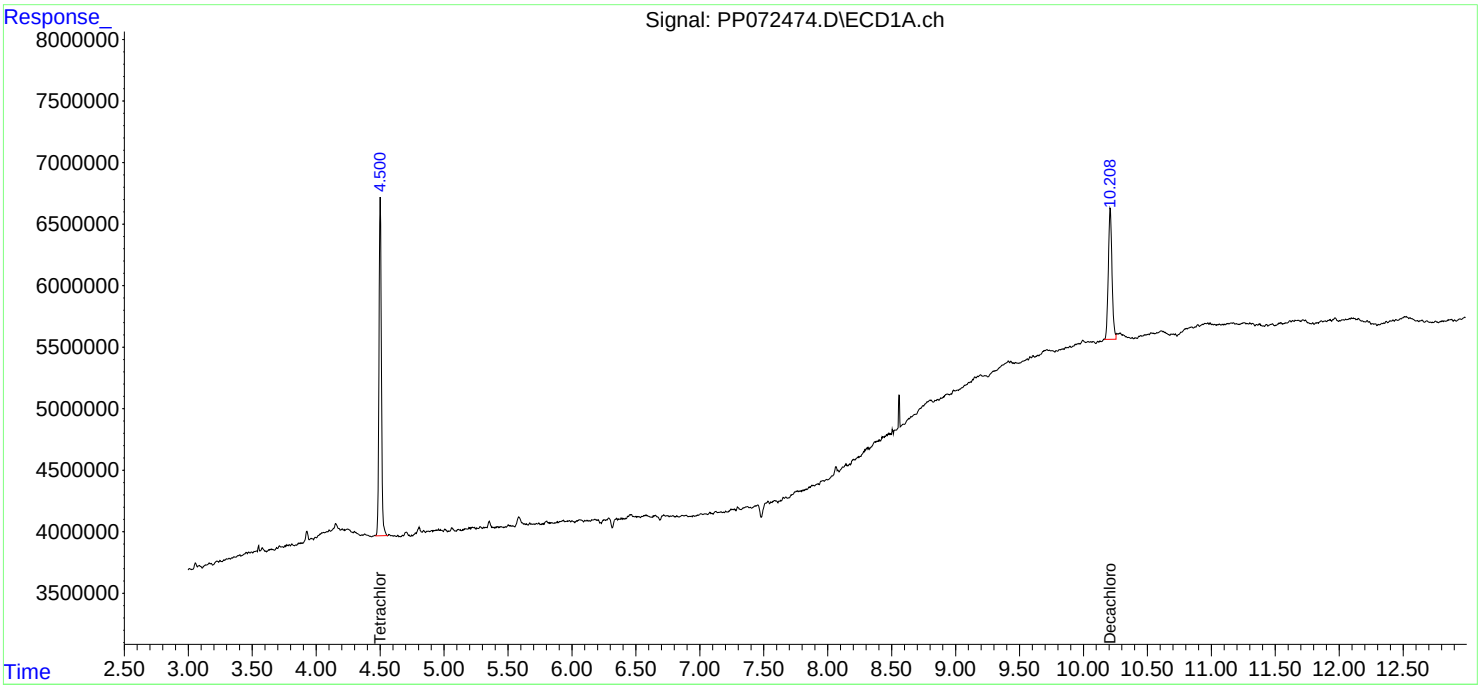
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

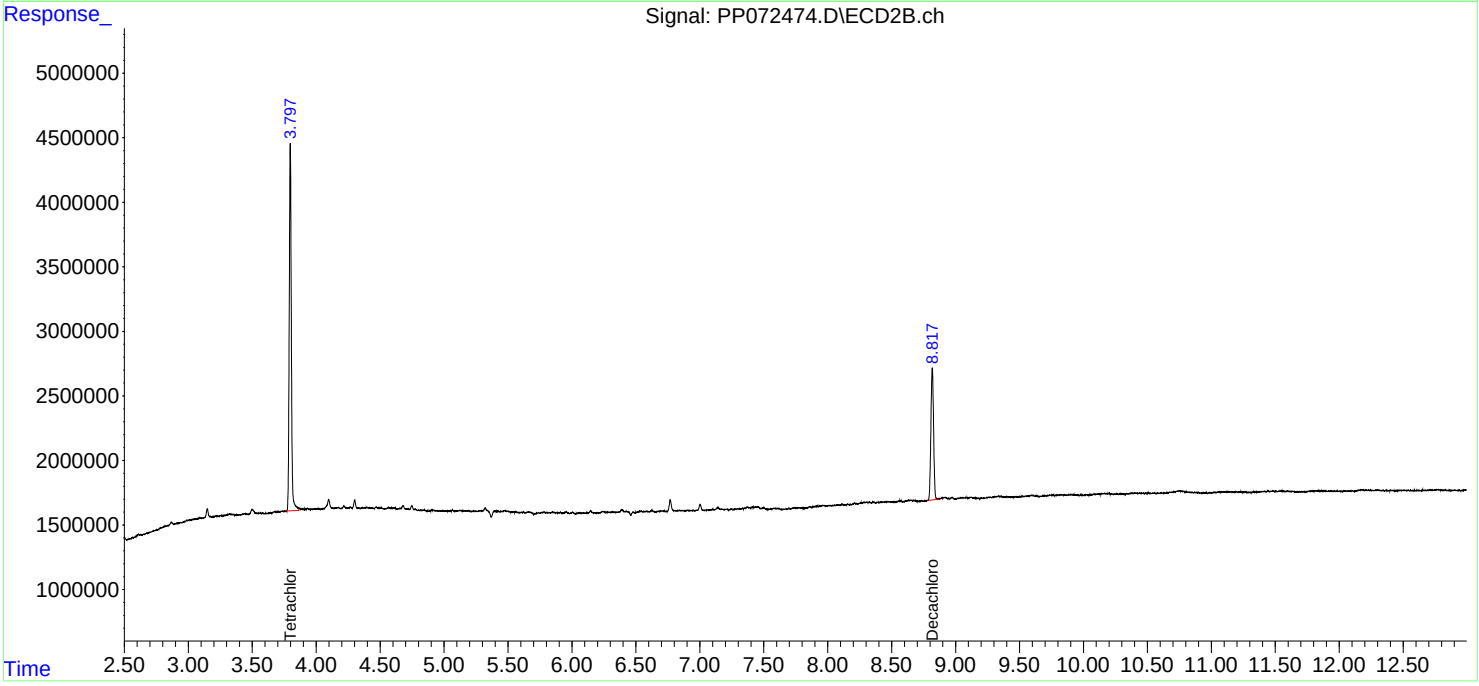
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP053025\
Data File : PP072474.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 May 2025 15:10
Operator : YP\AJ
Sample : Q2150-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

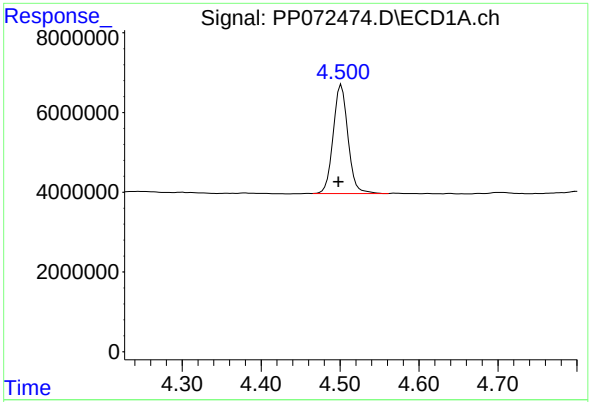
Instrument :
ECD_P
ClientSampleId :
TP-47

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 30 16:54:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 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



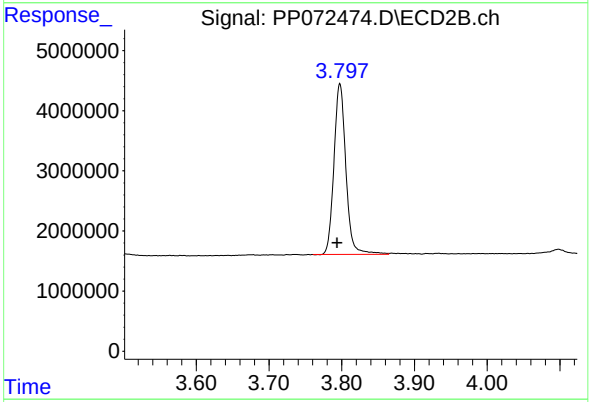




#1 Tetrachloro-m-xylene

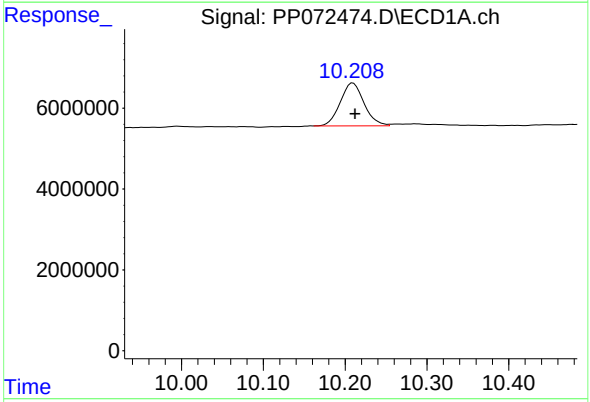
R.T.: 4.502 min
Delta R.T.: 0.004 min
Response: 35563776
Conc: 17.69 ng/ml

Instrument :
ECD_P
ClientSampleId :
TP-47



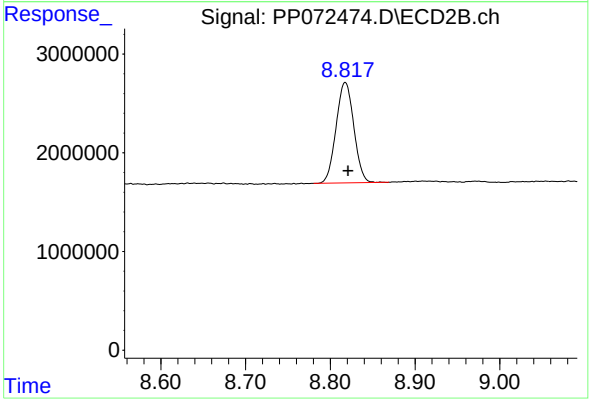
#1 Tetrachloro-m-xylene

R.T.: 3.798 min
Delta R.T.: 0.004 min
Response: 32446850
Conc: 20.30 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.210 min
Delta R.T.: -0.002 min
Response: 21411289
Conc: 13.14 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.818 min
Delta R.T.: -0.003 min
Response: 14804442
Conc: 13.98 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP053025\
Data File : PP072475.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 May 2025 15:26
Operator : YP\AJ
Sample : Q2150-06
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
TP-50

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 06/02/2025
Supervised By :mohammad ahmed 06/03/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 30 16:54:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 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...	4.500	3.797	36131864	32392944	17.969m	20.266
2)	SA Decachlor...	10.209	8.817	27566306	18859144	16.921	17.815
	Target Compounds						

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

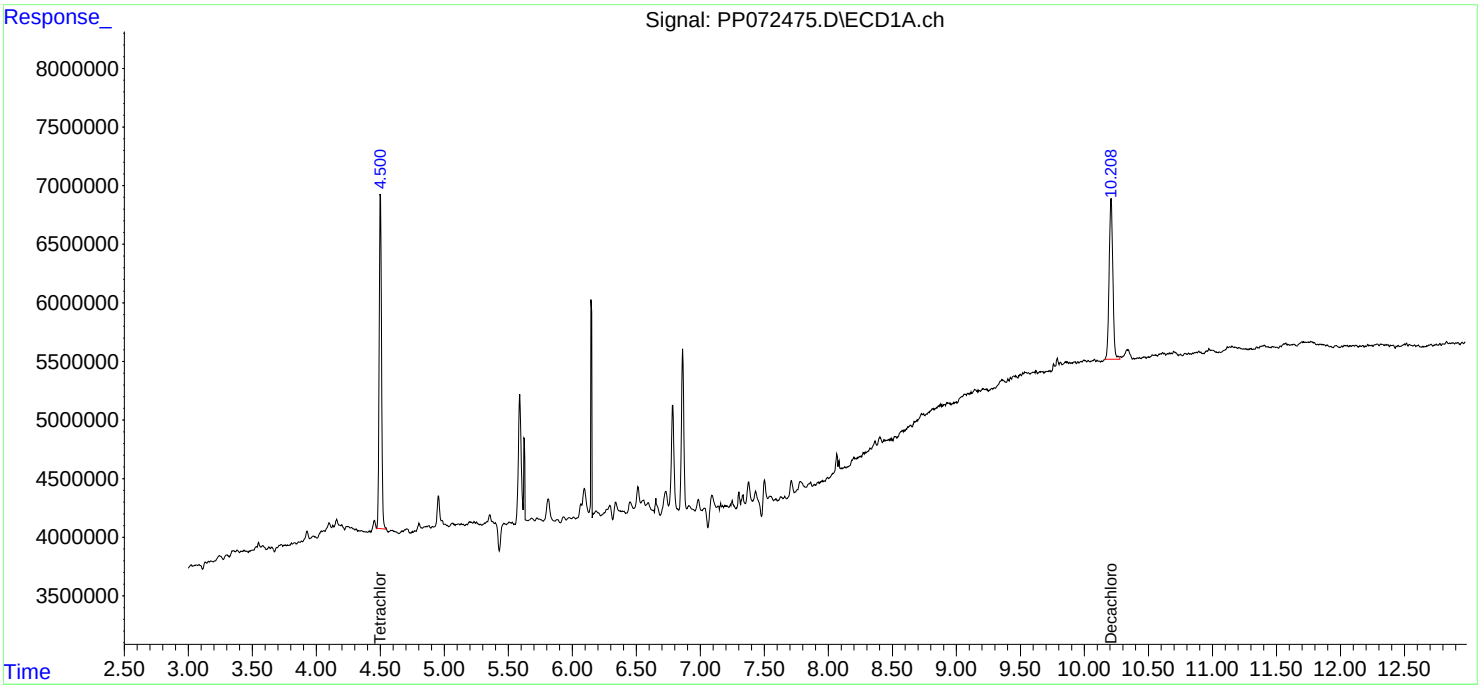
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP053025\
Data File : PP072475.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 May 2025 15:26
Operator : YP\AJ
Sample : Q2150-06
Misc :
ALS Vial : 16 Sample Multiplier: 1

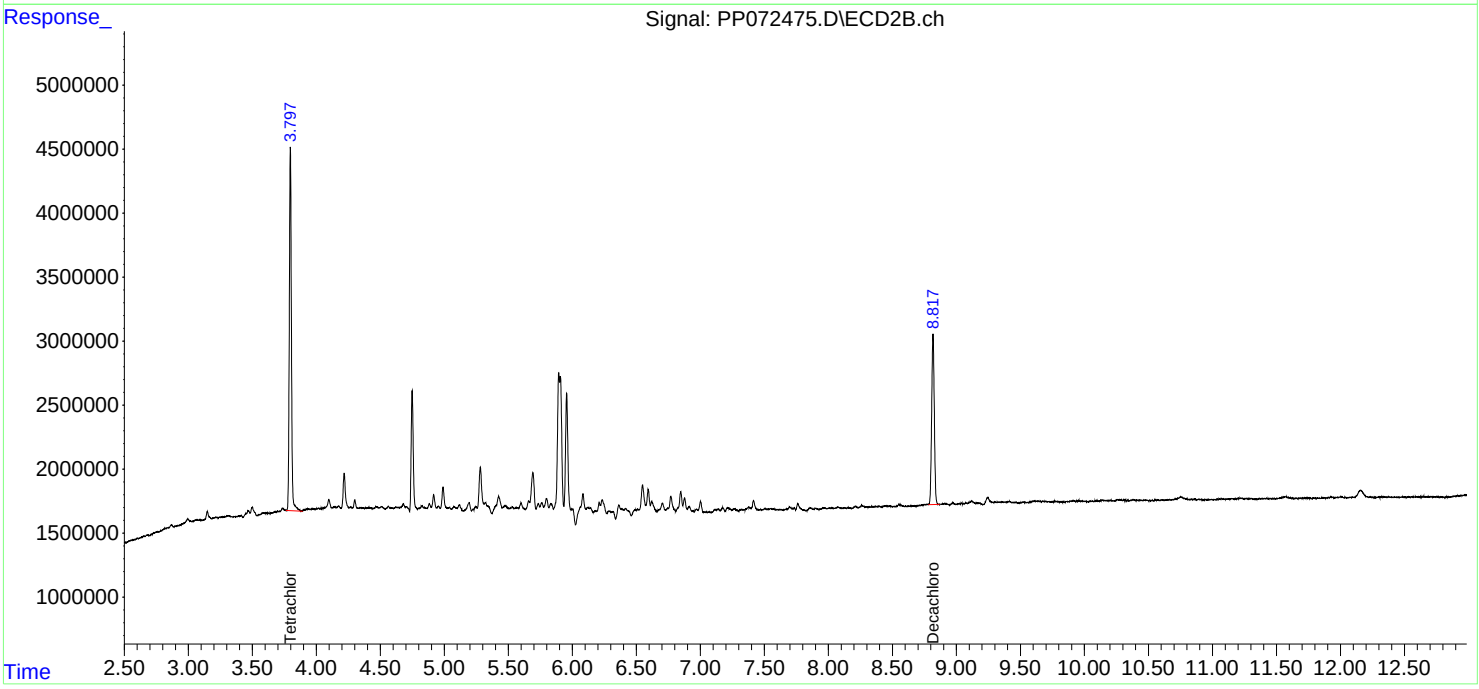
Instrument :
ECD_P
ClientSampleId :
TP-50

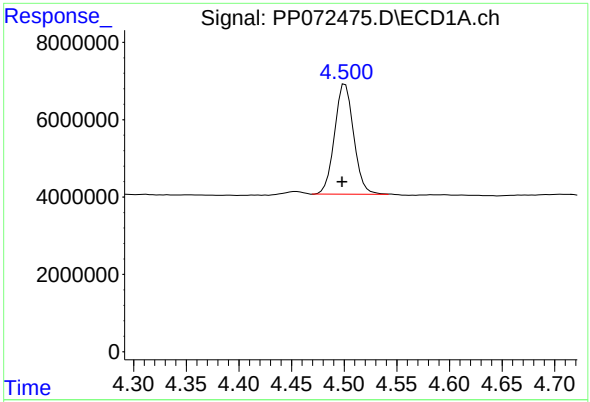
Manual Integrations APPROVED
Reviewed By :Yogesh Patel 06/02/2025
Supervised By :mohammad ahmed 06/03/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 30 16:54:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 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







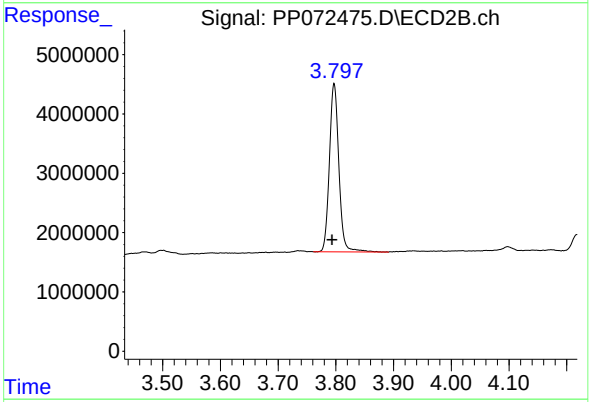
#1 Tetrachloro-m-xylene

R.T.: 4.500 min
Delta R.T.: 0.002 min
Response: 36131864
Conc: 17.97 ng/ml

Instrument :
ECD_P
ClientSampleId :
TP-50

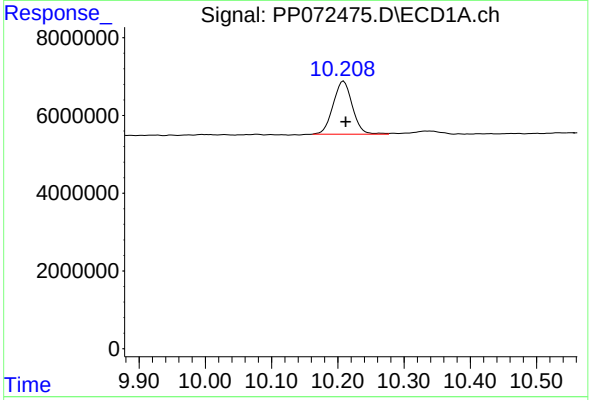
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 06/02/2025
Supervised By :mohammad ahmed 06/03/2025



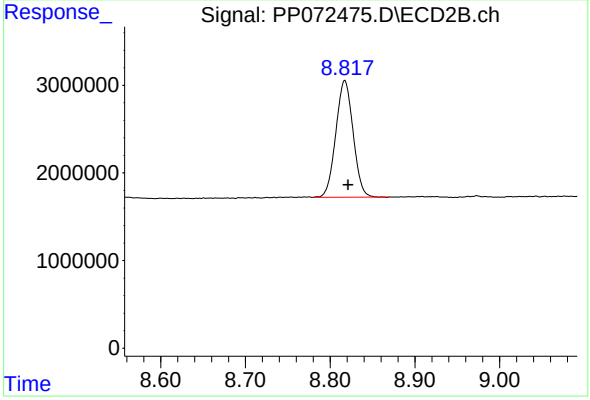
#1 Tetrachloro-m-xylene

R.T.: 3.797 min
Delta R.T.: 0.004 min
Response: 32392944
Conc: 20.27 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.209 min
Delta R.T.: -0.003 min
Response: 27566306
Conc: 16.92 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.817 min
Delta R.T.: -0.004 min
Response: 18859144
Conc: 17.82 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP053025\
Data File : PP072481.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 May 2025 17:37
Operator : YP\AJ
Sample : Q2150-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
TP-51

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 30 22:53:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 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...	4.503	3.796	36425596	32880737	18.115	20.572
2)	SA Decachlor...	10.210	8.817	19273907	14870776	11.831	14.048
	Target Compounds						

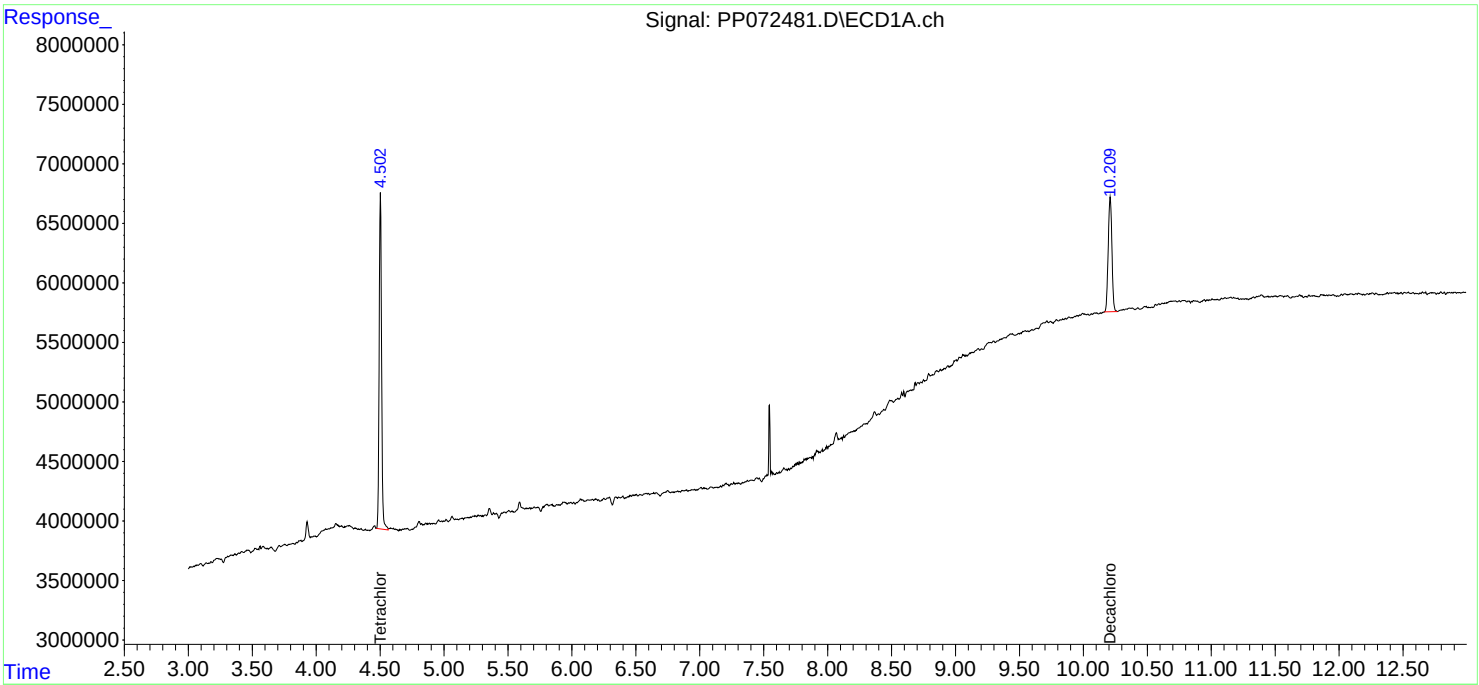
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

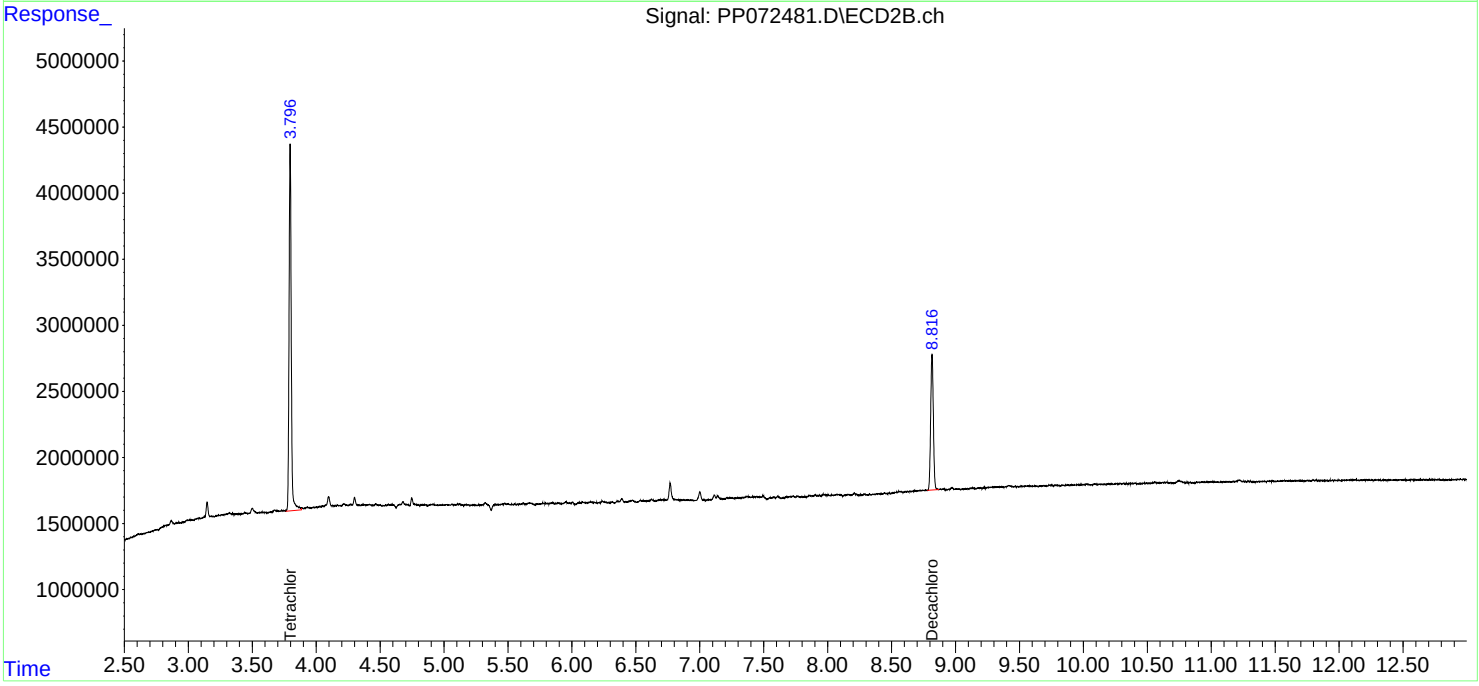
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP053025\
Data File : PP072481.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 May 2025 17:37
Operator : YP\AJ
Sample : Q2150-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

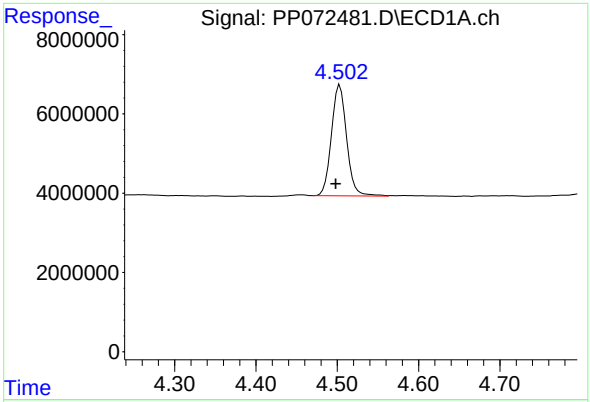
Instrument :
ECD_P
ClientSampleId :
TP-51

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 30 22:53:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 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



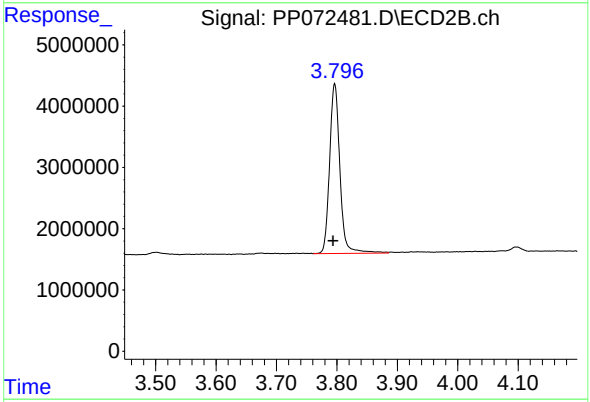




#1 Tetrachloro-m-xylene

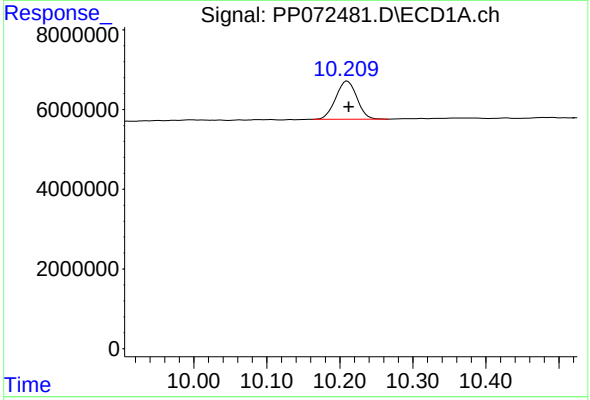
R.T.: 4.503 min
Delta R.T.: 0.005 min
Response: 36425596
Conc: 18.11 ng/ml

Instrument :
ECD_P
ClientSampleId :
TP-51



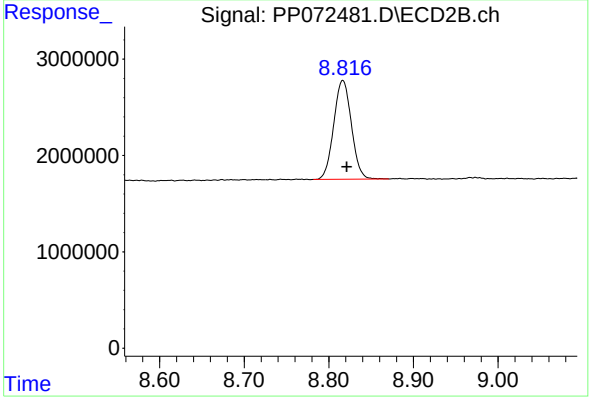
#1 Tetrachloro-m-xylene

R.T.: 3.796 min
Delta R.T.: 0.003 min
Response: 32880737
Conc: 20.57 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.210 min
Delta R.T.: -0.002 min
Response: 19273907
Conc: 11.83 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.817 min
Delta R.T.: -0.005 min
Response: 14870776
Conc: 14.05 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP053025\
Data File : PP072482.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 May 2025 17:53
Operator : YP\AJ
Sample : Q2150-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
TP-52

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 06/02/2025
Supervised By :mohammad ahmed 06/03/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 30 22:54:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 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...	4.498	3.797	35653212	32134261	17.731m	20.105
2)	SA Decachlor...	10.207	8.817	19468810	15600392	11.950	14.737
	Target Compounds						

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

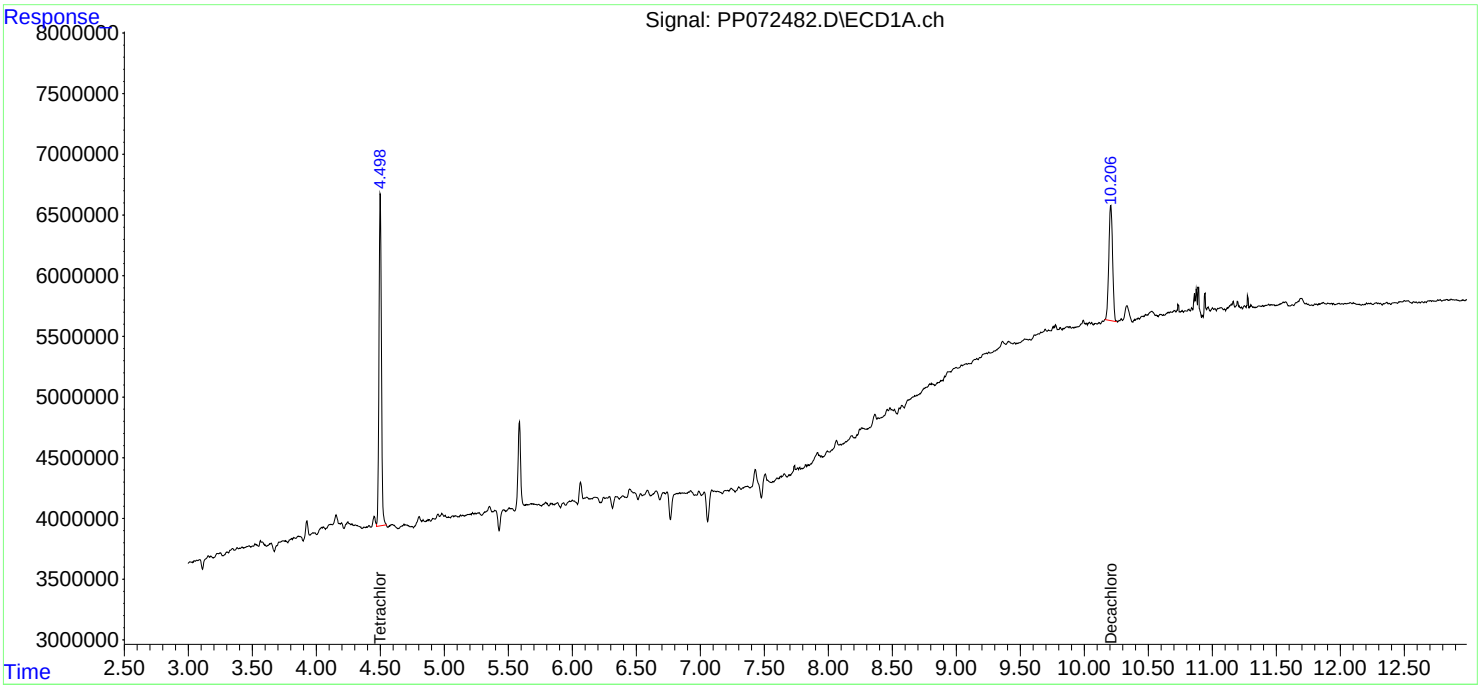
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP053025\
Data File : PP072482.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 May 2025 17:53
Operator : YP\AJ
Sample : Q2150-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

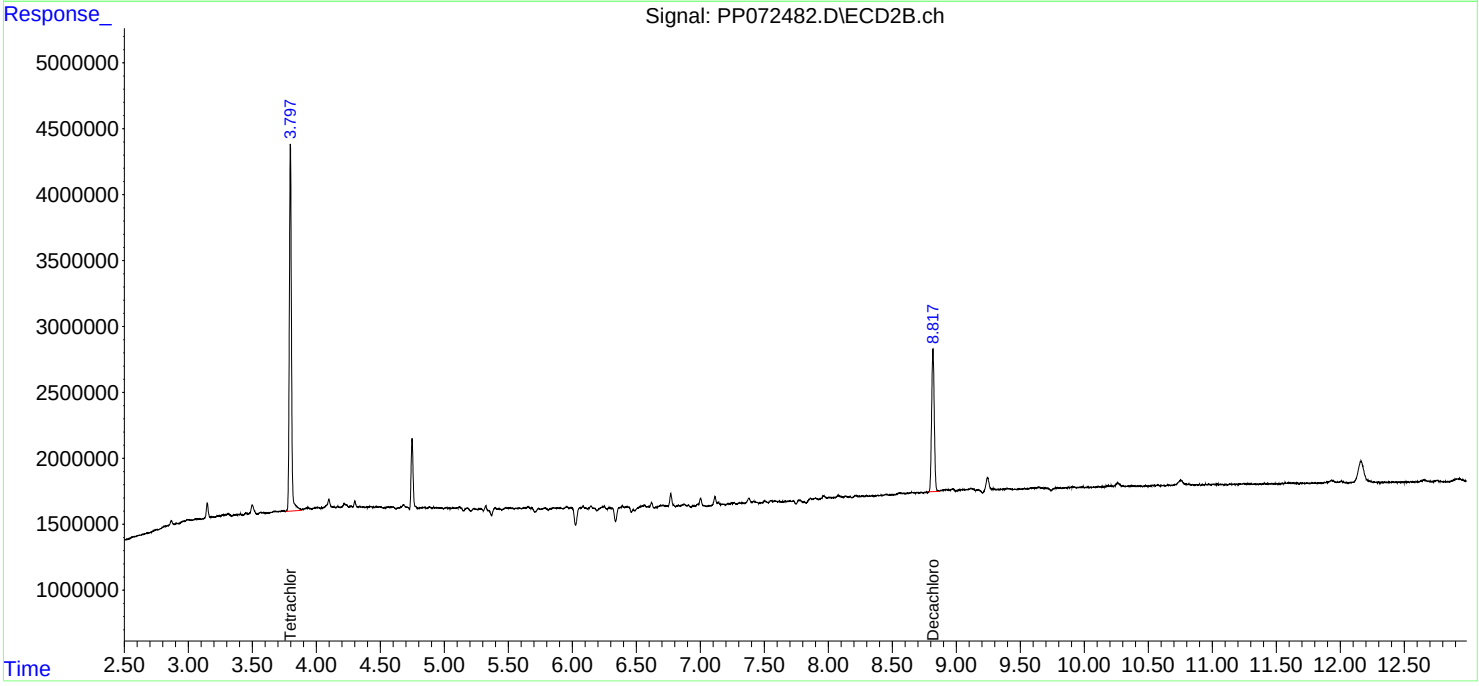
Instrument :
ECD_P
ClientSampleId :
TP-52

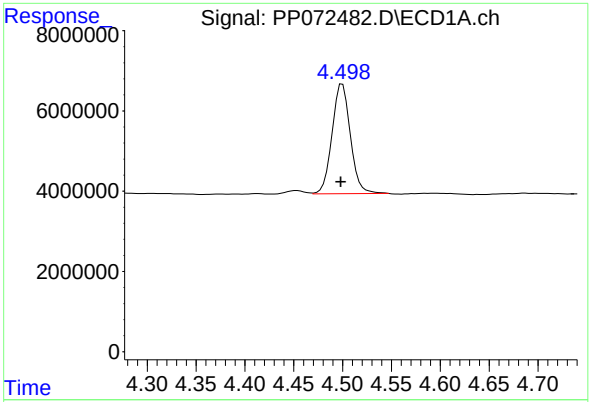
Manual Integrations APPROVED
Reviewed By :Yogesh Patel 06/02/2025
Supervised By :mohammad ahmed 06/03/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 30 22:54:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 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







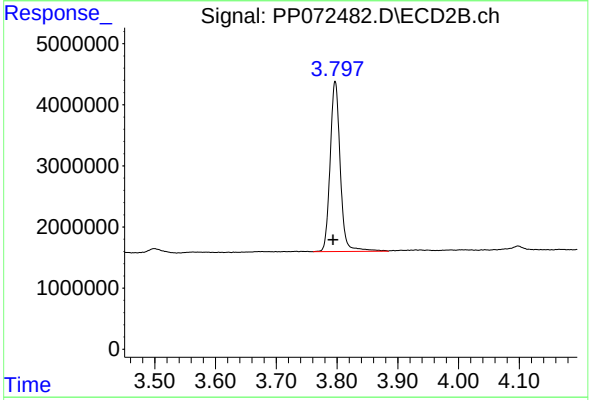
#1 Tetrachloro-m-xylene

R.T.: 4.498 min
Delta R.T.: 0.000 min
Response: 35653212
Conc: 17.73 ng/ml

Instrument :
ECD_P
ClientSampleId :
TP-52

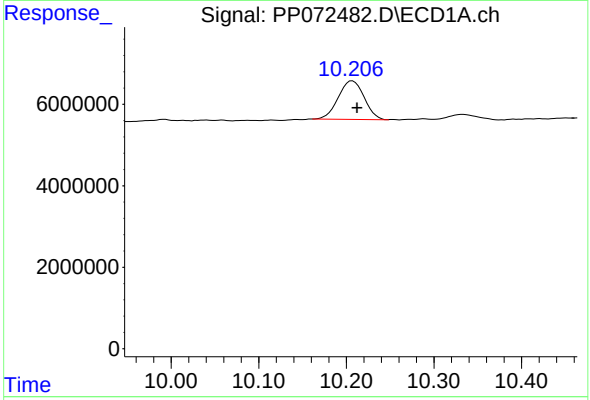
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 06/02/2025
Supervised By :mohammad ahmed 06/03/2025



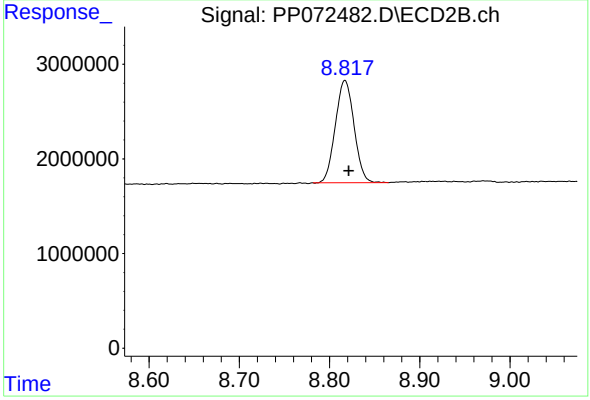
#1 Tetrachloro-m-xylene

R.T.: 3.797 min
Delta R.T.: 0.004 min
Response: 32134261
Conc: 20.10 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.207 min
Delta R.T.: -0.005 min
Response: 19468810
Conc: 11.95 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.817 min
Delta R.T.: -0.004 min
Response: 15600392
Conc: 14.74 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP053025\
Data File : PP072483.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 May 2025 18:09
Operator : YP\AJ
Sample : Q2150-09
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
TP-54

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 30 22:54:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 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...	4.503	3.797	31690463	27413314	15.760	17.151
2)	SA Decachlor...	10.210	8.817	19942262	14543074	12.241	13.738
	Target Compounds						

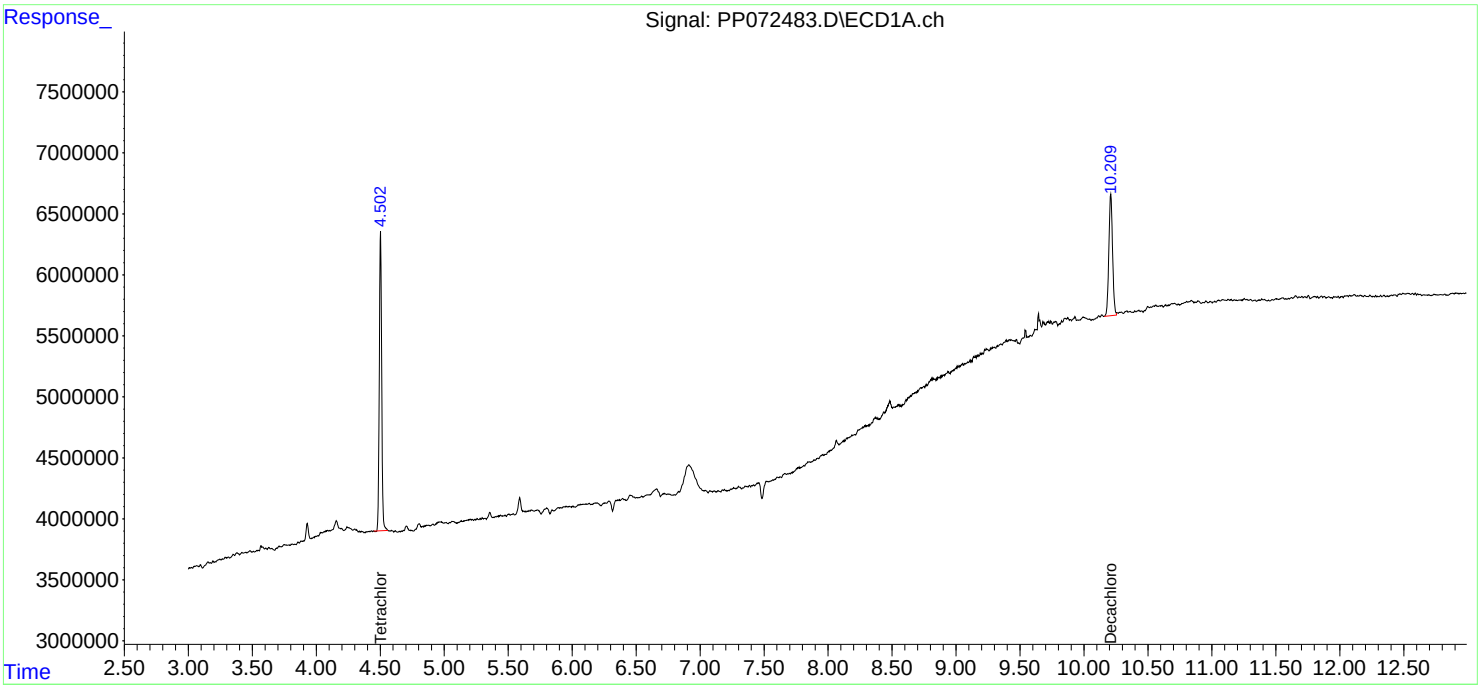
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

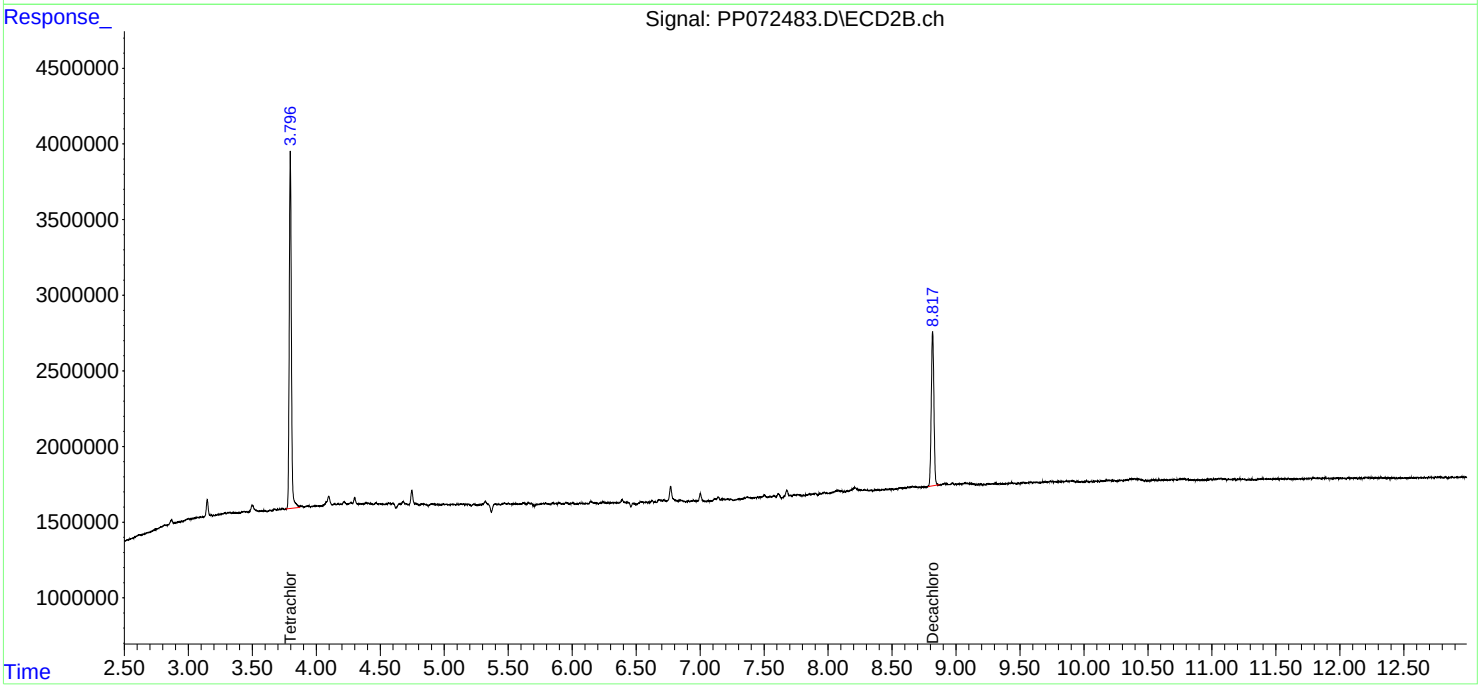
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP053025\
Data File : PP072483.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 May 2025 18:09
Operator : YP\AJ
Sample : Q2150-09
Misc :
ALS Vial : 19 Sample Multiplier: 1

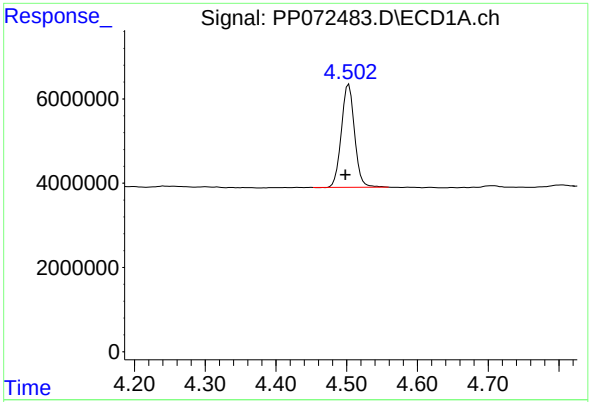
Instrument :
ECD_P
ClientSampleId :
TP-54

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 30 22:54:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 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



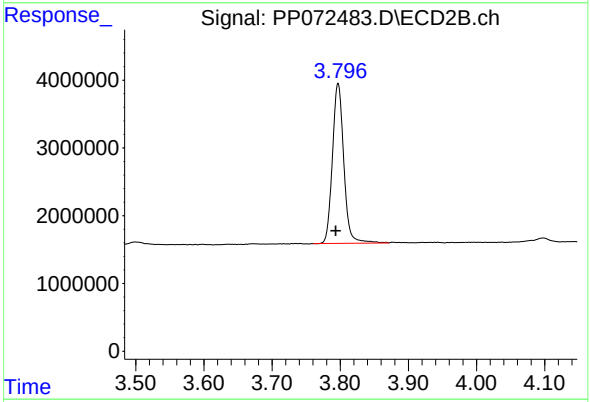




#1 Tetrachloro-m-xylene

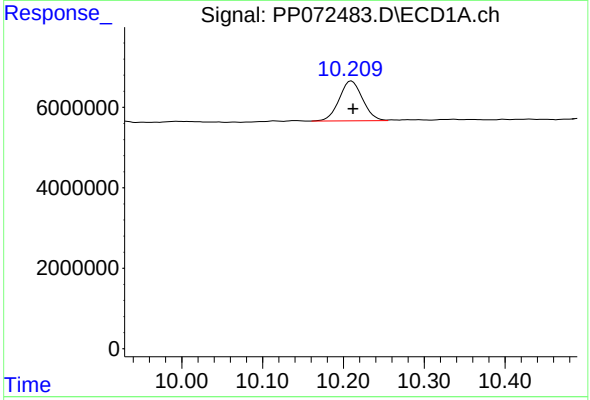
R.T.: 4.503 min
Delta R.T.: 0.005 min
Response: 31690463
Conc: 15.76 ng/ml

Instrument :
ECD_P
ClientSampleId :
TP-54



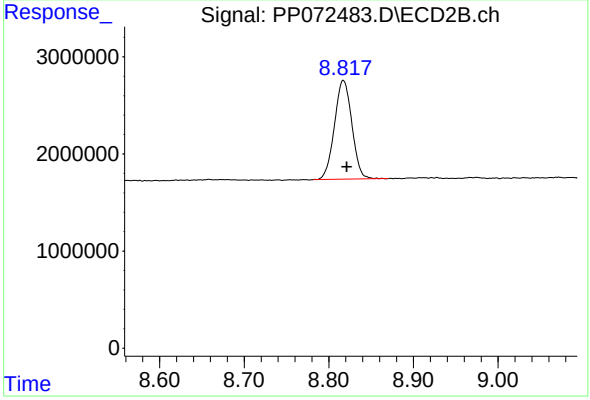
#1 Tetrachloro-m-xylene

R.T.: 3.797 min
Delta R.T.: 0.004 min
Response: 27413314
Conc: 17.15 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.210 min
Delta R.T.: -0.002 min
Response: 19942262
Conc: 12.24 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.817 min
Delta R.T.: -0.004 min
Response: 14543074
Conc: 13.74 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP053025\
Data File : PP072484.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 May 2025 18:26
Operator : YP\AJ
Sample : Q2150-10
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
TP-53

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 30 22:55:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 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...	4.501	3.797	37059545	32282154	18.430	20.197
2)	SA Decachlor...	10.209	8.818	22959967	16975587	14.093	16.036
	Target Compounds						

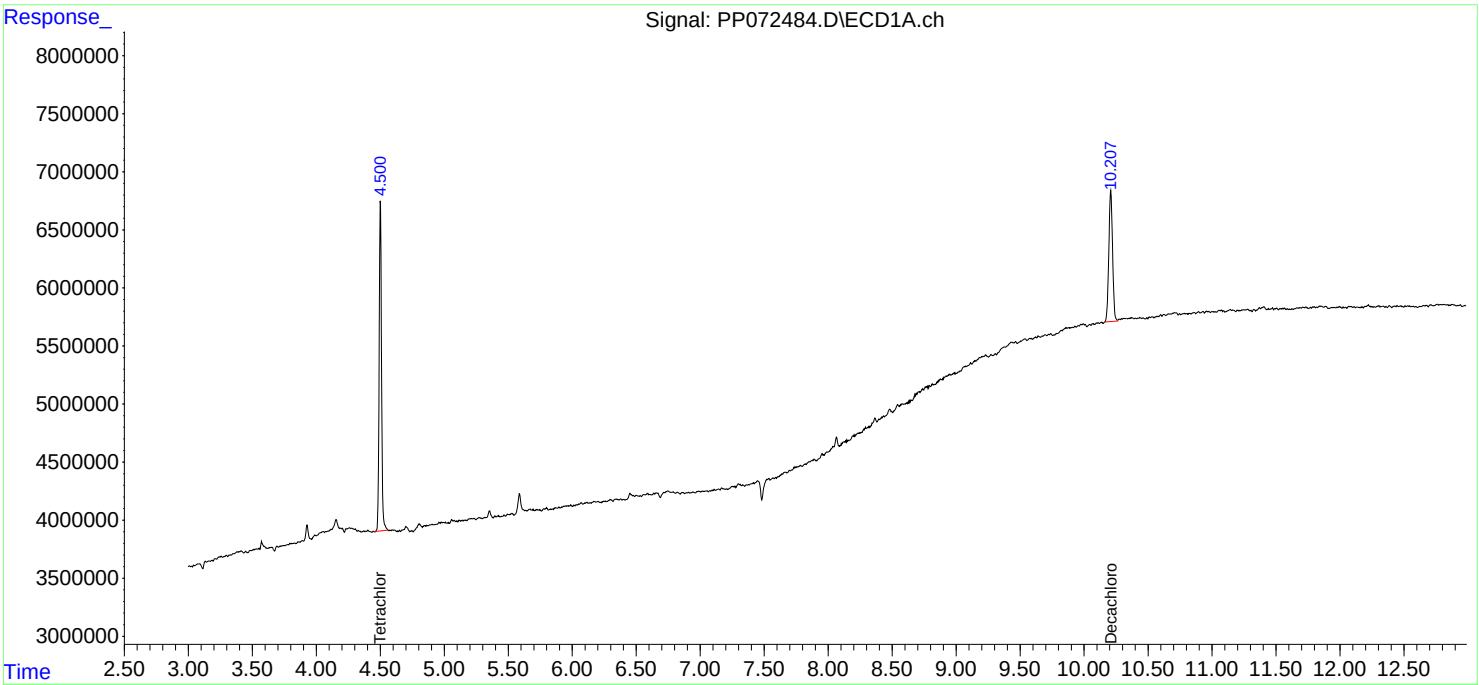
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

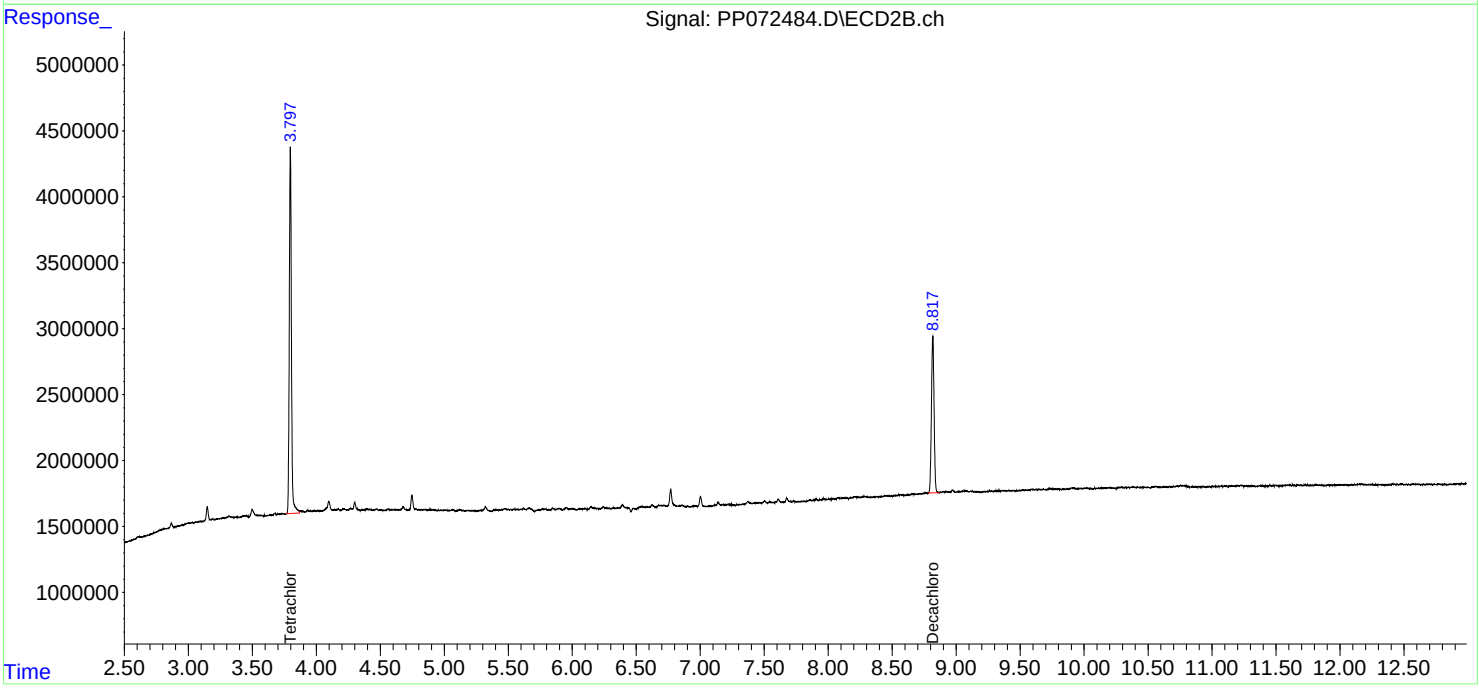
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP053025\
Data File : PP072484.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 May 2025 18:26
Operator : YP\AJ
Sample : Q2150-10
Misc :
ALS Vial : 20 Sample Multiplier: 1

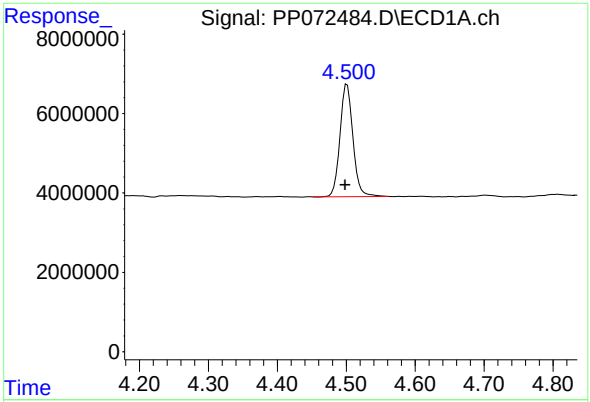
Instrument :
ECD_P
ClientSampleId :
TP-53

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 30 22:55:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 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



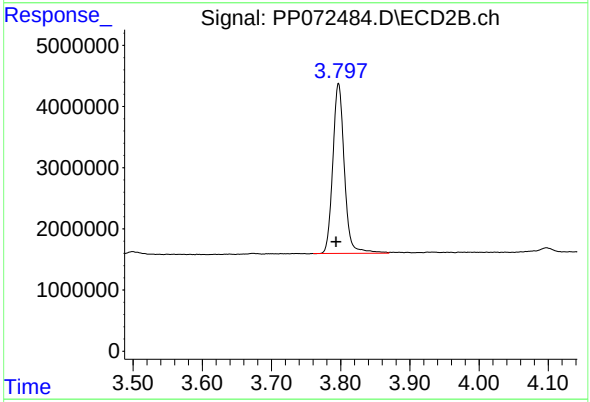




#1 Tetrachloro-m-xylene

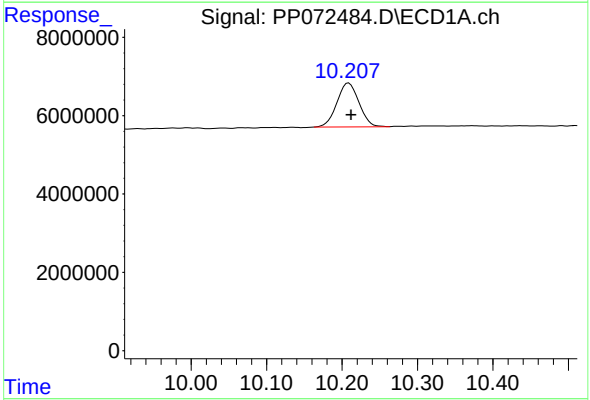
R.T.: 4.501 min
Delta R.T.: 0.003 min
Response: 37059545
Conc: 18.43 ng/ml

Instrument :
ECD_P
ClientSampleId :
TP-53



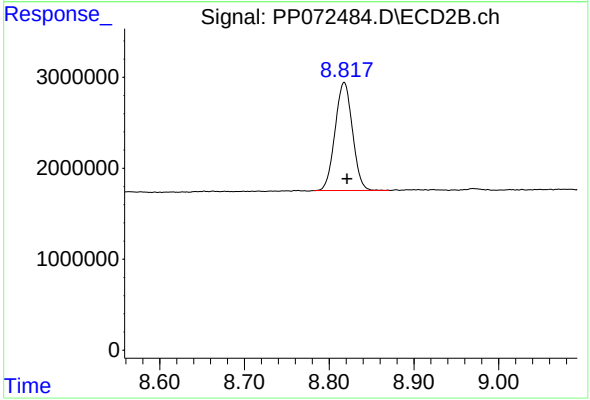
#1 Tetrachloro-m-xylene

R.T.: 3.797 min
Delta R.T.: 0.004 min
Response: 32282154
Conc: 20.20 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.209 min
Delta R.T.: -0.003 min
Response: 22959967
Conc: 14.09 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.818 min
Delta R.T.: -0.003 min
Response: 16975587
Conc: 16.04 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP053025\
Data File : PP072466.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 May 2025 12:59
Operator : YP\AJ
Sample : PB168208BL
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
PB168208BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 30 14:37:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 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...	4.505	3.796	39897071	34561223	19.841	21.623
2)	SA Decachlor...	10.214	8.818	34550231	25733695	21.208	24.309
	Target Compounds						

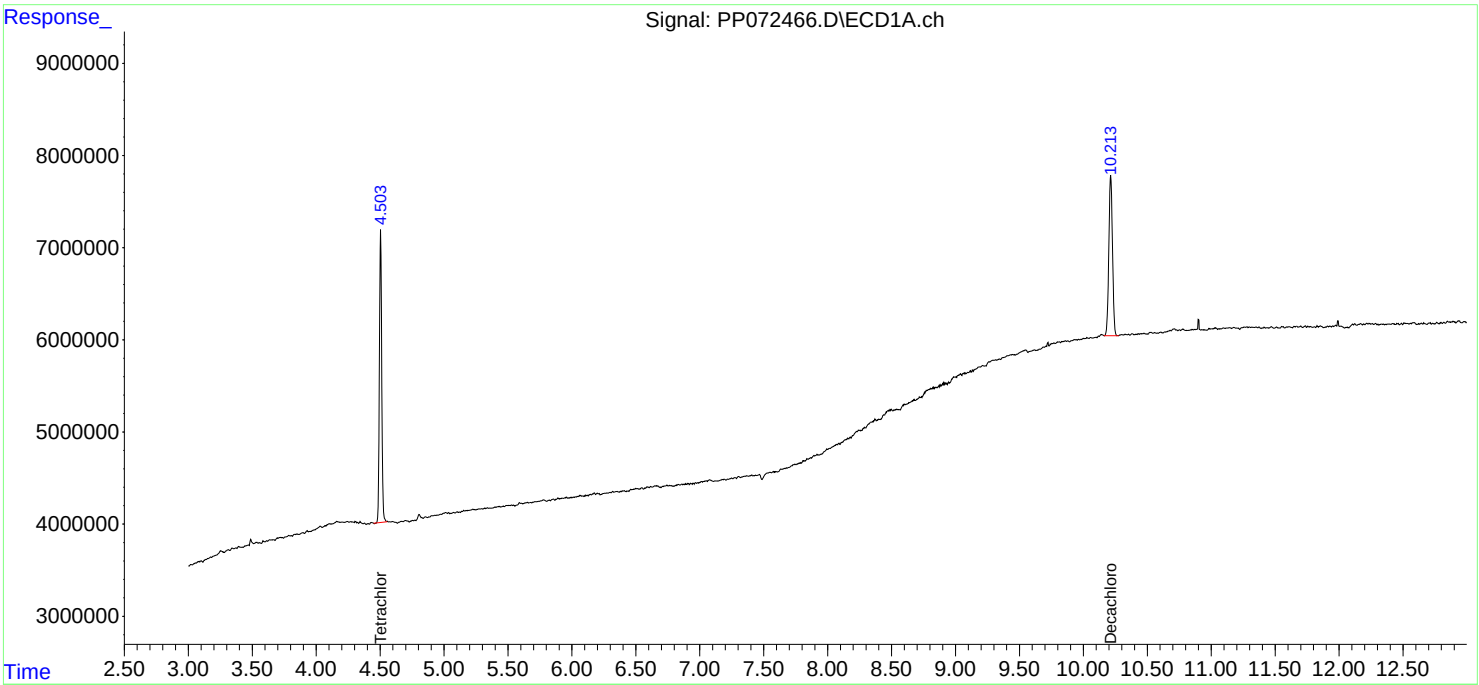
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

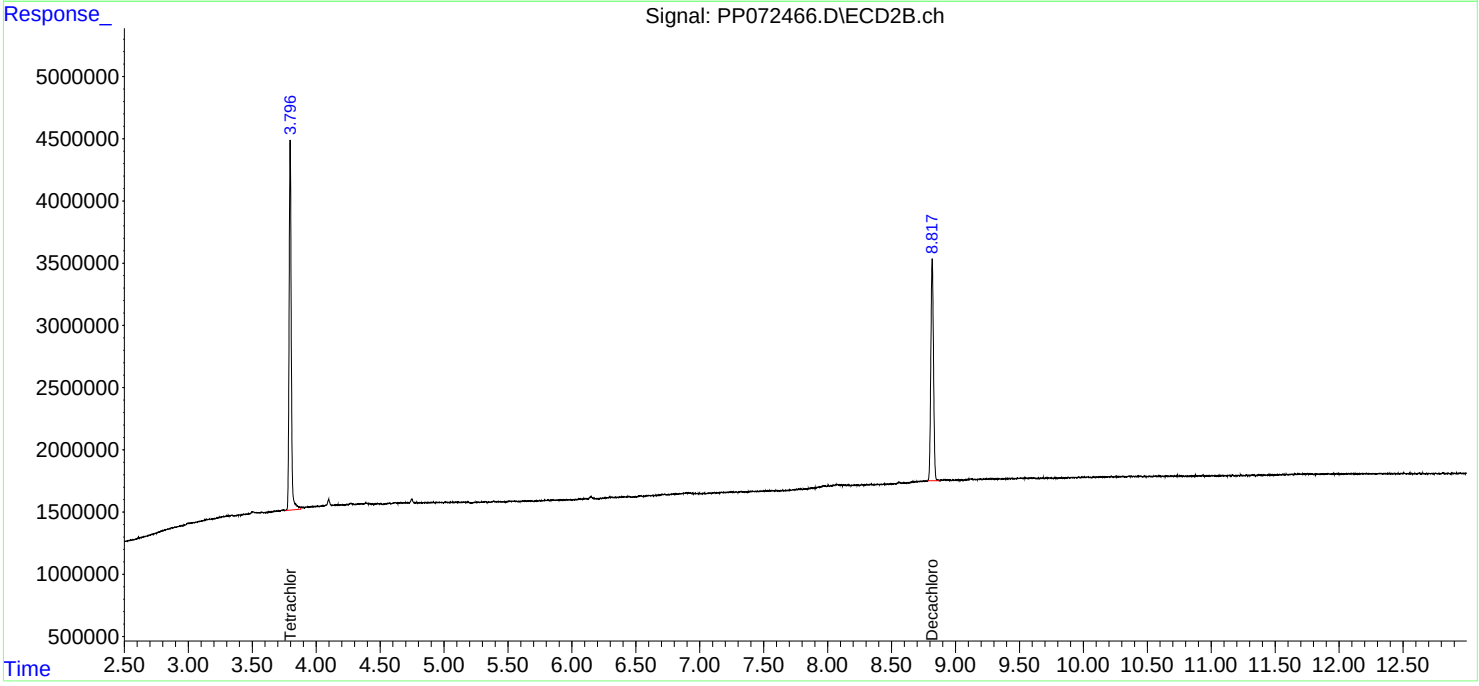
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP053025\
Data File : PP072466.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 May 2025 12:59
Operator : YP\AJ
Sample : PB168208BL
Misc :
ALS Vial : 7 Sample Multiplier: 1

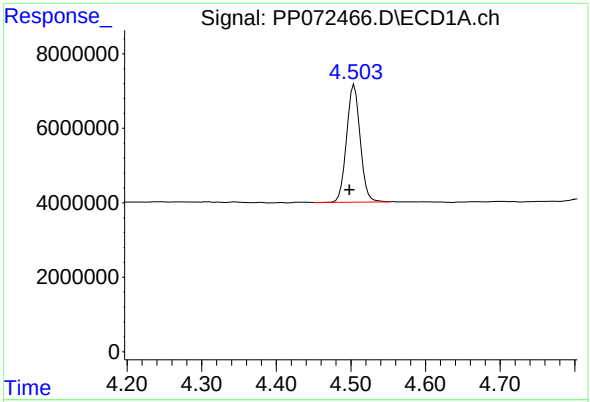
Instrument :
ECD_P
ClientSampleId :
PB168208BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 30 14:37:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 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



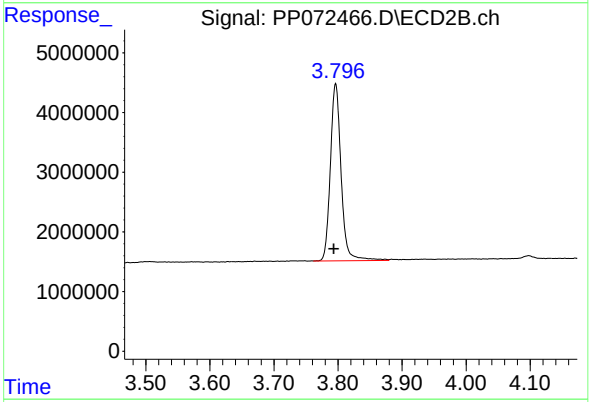




#1 Tetrachloro-m-xylene

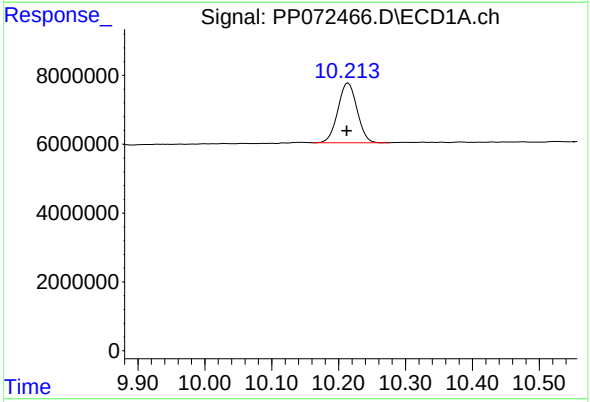
R.T.: 4.505 min
Delta R.T.: 0.007 min
Response: 39897071
Conc: 19.84 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB168208BL



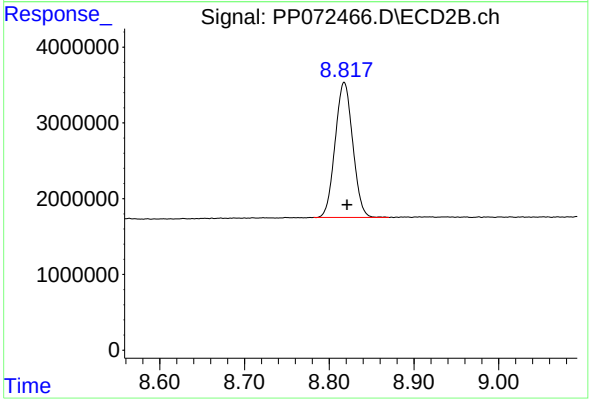
#1 Tetrachloro-m-xylene

R.T.: 3.796 min
Delta R.T.: 0.003 min
Response: 34561223
Conc: 21.62 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.214 min
Delta R.T.: 0.002 min
Response: 34550231
Conc: 21.21 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.818 min
Delta R.T.: -0.003 min
Response: 25733695
Conc: 24.31 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP053025\
Data File : PP072467.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 May 2025 13:15
Operator : YP\AJ
Sample : PB168208BS
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
PB168208BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 30 14:37:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 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...	4.503	3.797	40600987	32347143	20.191	20.238
2)	SA Decachlor...	10.211	8.817	34940595	24942907	21.447	23.562
	Target Compounds						
3)	L1 AR-1016-1	5.655	4.879	25342147	23593187	337.519	384.069
4)	L1 AR-1016-2	5.677	4.897	40534084	34426586	378.853	392.150
5)	L1 AR-1016-3	5.740	5.074	24252393	18689847	369.899	392.195
6)	L1 AR-1016-4	5.837	5.115	19964068	14895177	374.771	391.511
7)	L1 AR-1016-5	6.129	5.329	17606509	19107202	359.984	383.491
31)	L7 AR-1260-1	7.248	6.362	36724421	33579849	392.377	421.044
32)	L7 AR-1260-2	7.501	6.550	55483664	40642782	386.673	400.729
33)	L7 AR-1260-3	7.860	6.703	39322171	37691790	345.323	433.726 #
34)	L7 AR-1260-4	8.084	7.173	39129847	27783719	364.668	385.398
35)	L7 AR-1260-5	8.404	7.416	85600897	65393382	361.701	376.638

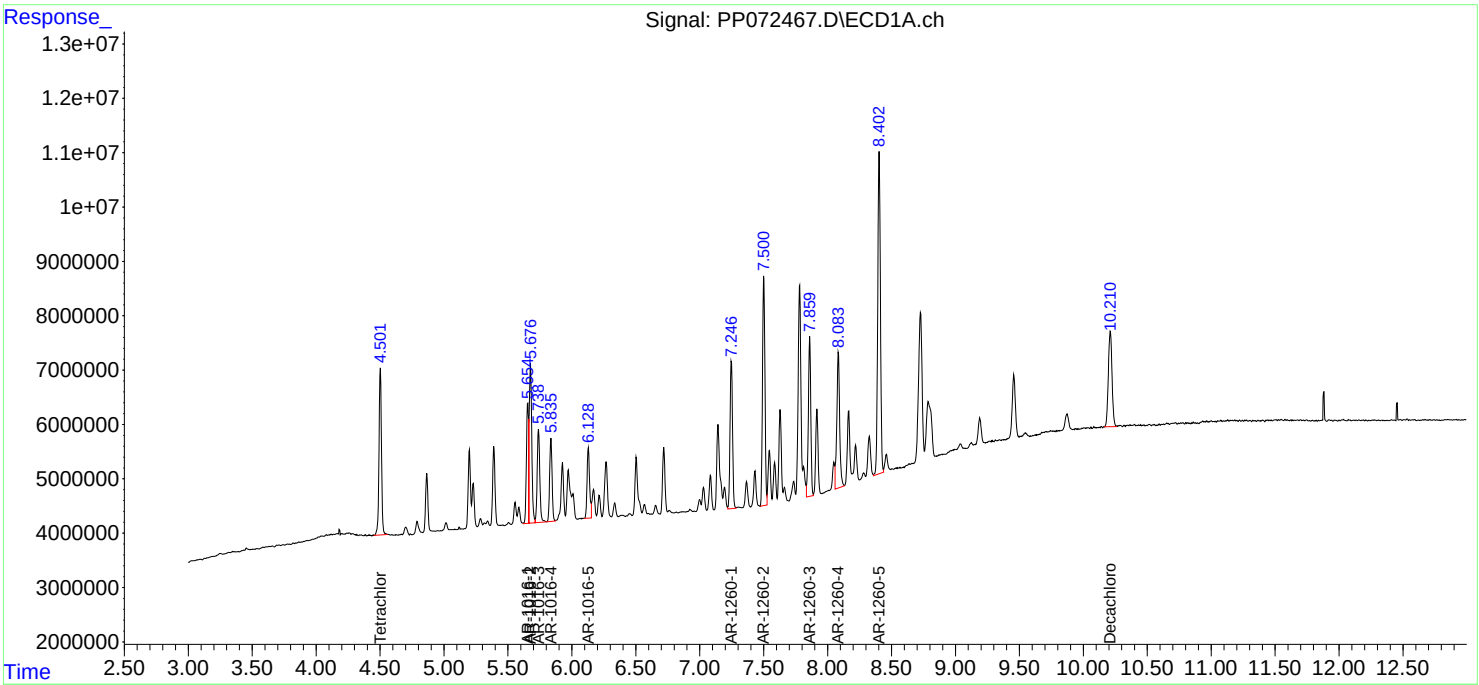
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

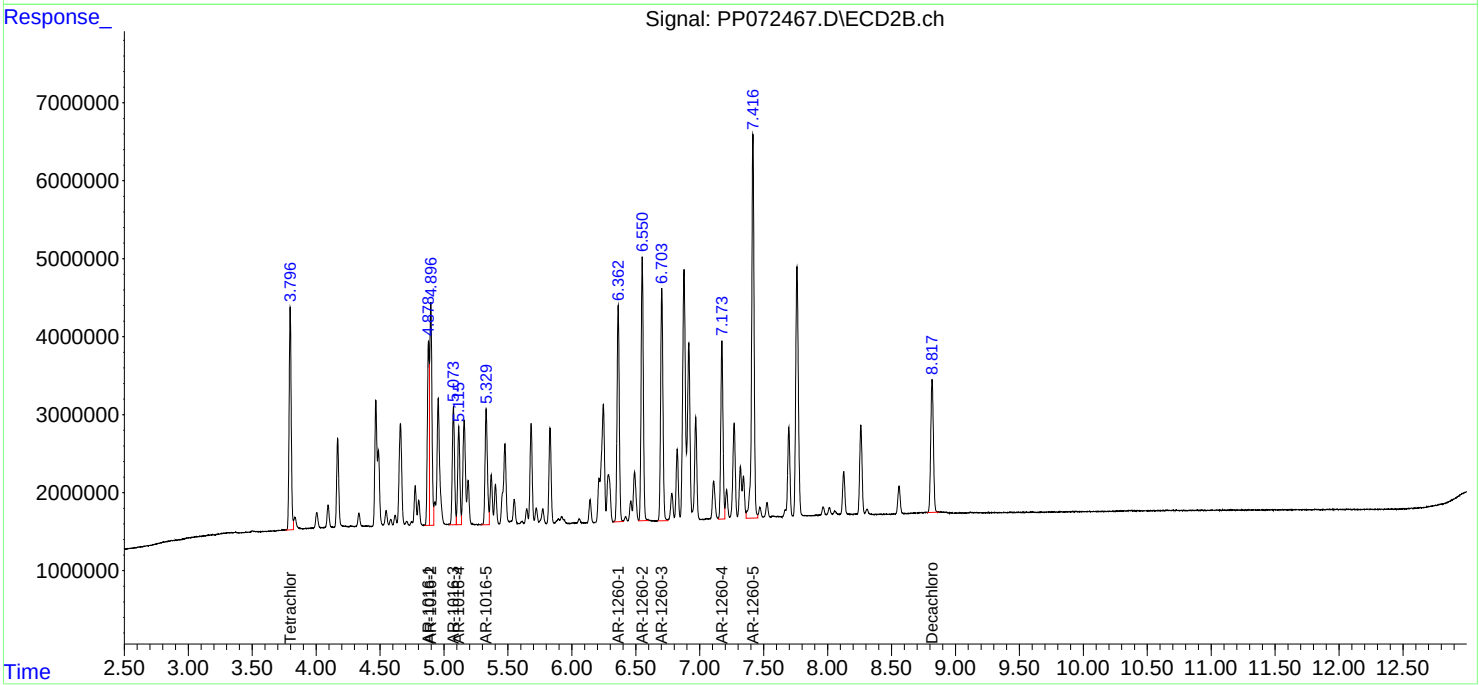
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP053025\
Data File : PP072467.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 May 2025 13:15
Operator : YP\AJ
Sample : PB168208BS
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
PB168208BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 30 14:37:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 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\PP053025\
Data File : PP072470.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 May 2025 14:04
Operator : YP\AJ
Sample : Q2150-02MS
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
TP-42MS

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 06/02/2025
Supervised By :mohammad ahmed 06/03/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 30 14:39:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 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...	4.502	3.798	36366117	29999123	18.085	18.769
2)	SA Decachlor...	10.210	8.819	23299460	17086679	14.302	16.141
	Target Compounds						
3)	L1 AR-1016-1	5.654	4.879	13637863	13494876	181.636	219.681
4)	L1 AR-1016-2	5.676	4.897	20368415	19497777	190.374	222.097
5)	L1 AR-1016-3	5.737	5.075	12228267	10733005	186.506	225.225
6)	L1 AR-1016-4	5.835	5.116	10502513	8443389	197.156	221.930
7)	L1 AR-1016-5	6.128	5.330	8938075	10885976	182.748	218.487
31)	L7 AR-1260-1	7.245	6.363	16893593	18100231	180.497m	226.952 #
32)	L7 AR-1260-2	7.500	6.552	25645069	20404808	178.724	201.187
33)	L7 AR-1260-3	7.858	6.704	17046078	18537355	149.697	213.312 #
34)	L7 AR-1260-4	8.081	7.175	18326610	13096194	170.794m	181.662
35)	L7 AR-1260-5	8.400	7.417	36349425	30393370	153.592m	175.053

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

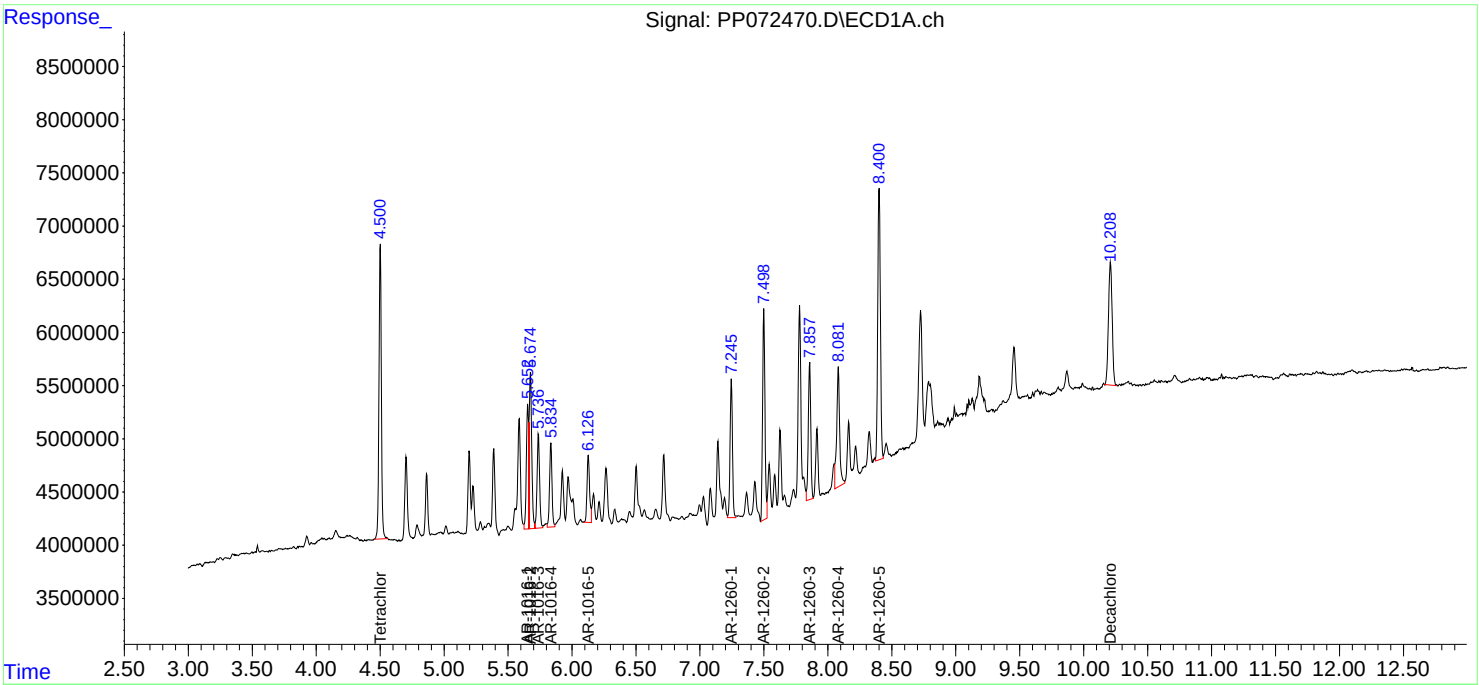
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP053025\
Data File : PP072470.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 May 2025 14:04
Operator : YP\AJ
Sample : Q2150-02MS
Misc :
ALS Vial : 11 Sample Multiplier: 1

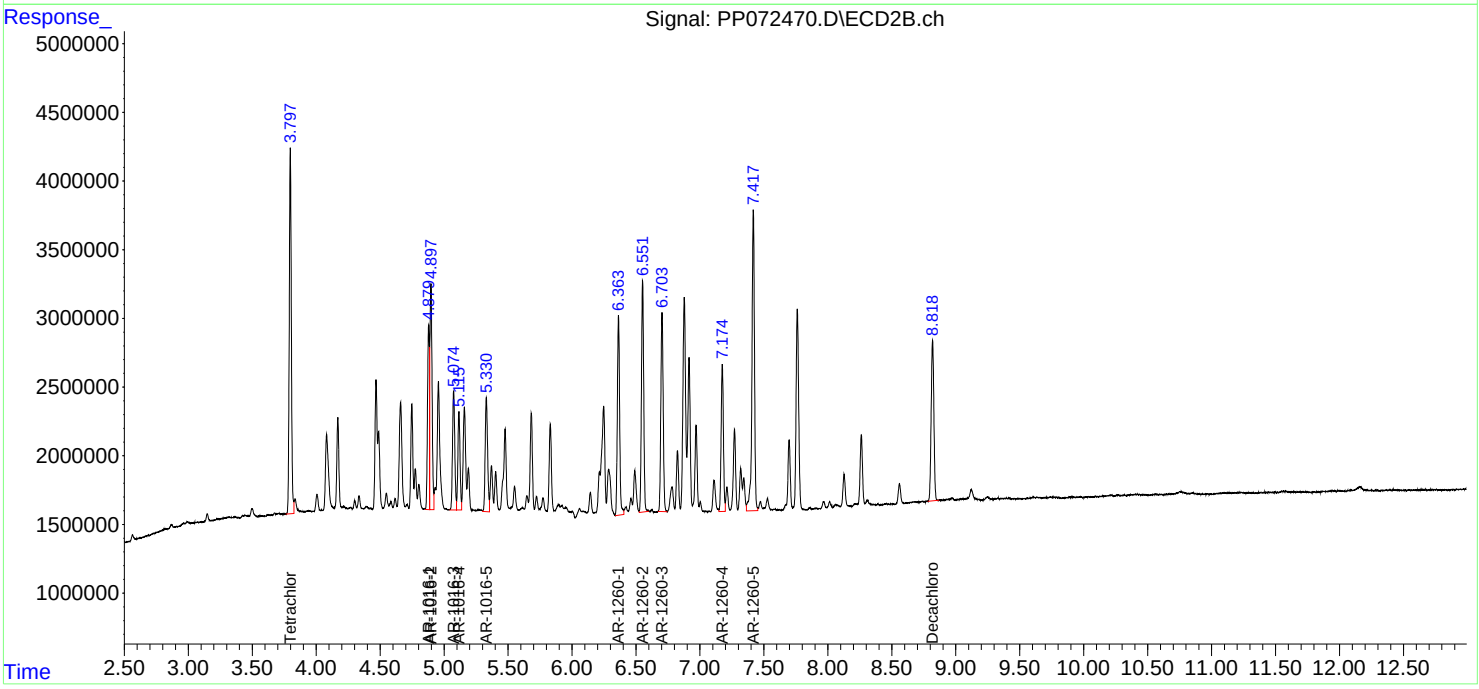
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 30 14:39:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Instrument :
ECD_P
ClientSampleId :
TP-42MS

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 06/02/2025
Supervised By :mohammad ahmed 06/03/2025





Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP053025\
Data File : PP072471.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 May 2025 14:20
Operator : YP\AJ
Sample : Q2150-02MSD
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
TP-42MSD

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 06/02/2025
Supervised By :mohammad ahmed 06/03/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 30 14:39:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 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...	4.502	3.798	37967707	31693917	18.882	19.829
2)	SA Decachlor...	10.212	8.819	24822927	17755240	15.237	16.772
	Target Compounds						
3)	L1 AR-1016-1	5.655	4.880	13407620	13664758	178.569	222.446
4)	L1 AR-1016-2	5.676	4.898	21818116	19464055	203.923	221.713
5)	L1 AR-1016-3	5.739	5.075	12494305	10814309	190.564	226.932
6)	L1 AR-1016-4	5.836	5.116	10684673	8612907	200.576	226.385
7)	L1 AR-1016-5	6.129	5.331	9286117	11044932	189.864	221.677
31)	L7 AR-1260-1	7.246	6.363	17761827	18437406	189.774m	231.179
32)	L7 AR-1260-2	7.501	6.552	26384208	20748512	183.875	204.576
33)	L7 AR-1260-3	7.859	6.704	17953838	19051220	157.668	219.226 #
34)	L7 AR-1260-4	8.084	7.175	19303720	13694219	179.900	189.958
35)	L7 AR-1260-5	8.404	7.417	37692966	31398527	159.269	180.842

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

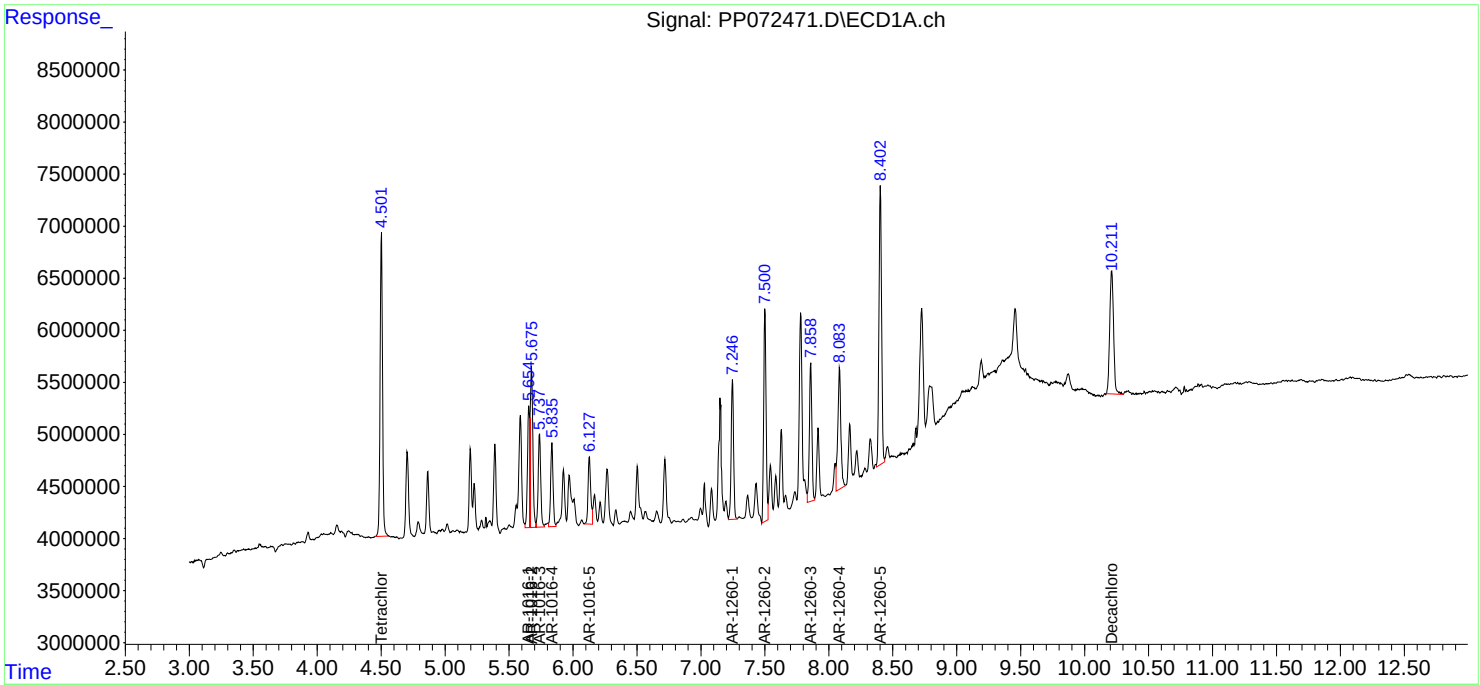
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP053025\
Data File : PP072471.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 May 2025 14:20
Operator : YP\AJ
Sample : Q2150-02MSD
Misc :
ALS Vial : 12 Sample Multiplier: 1

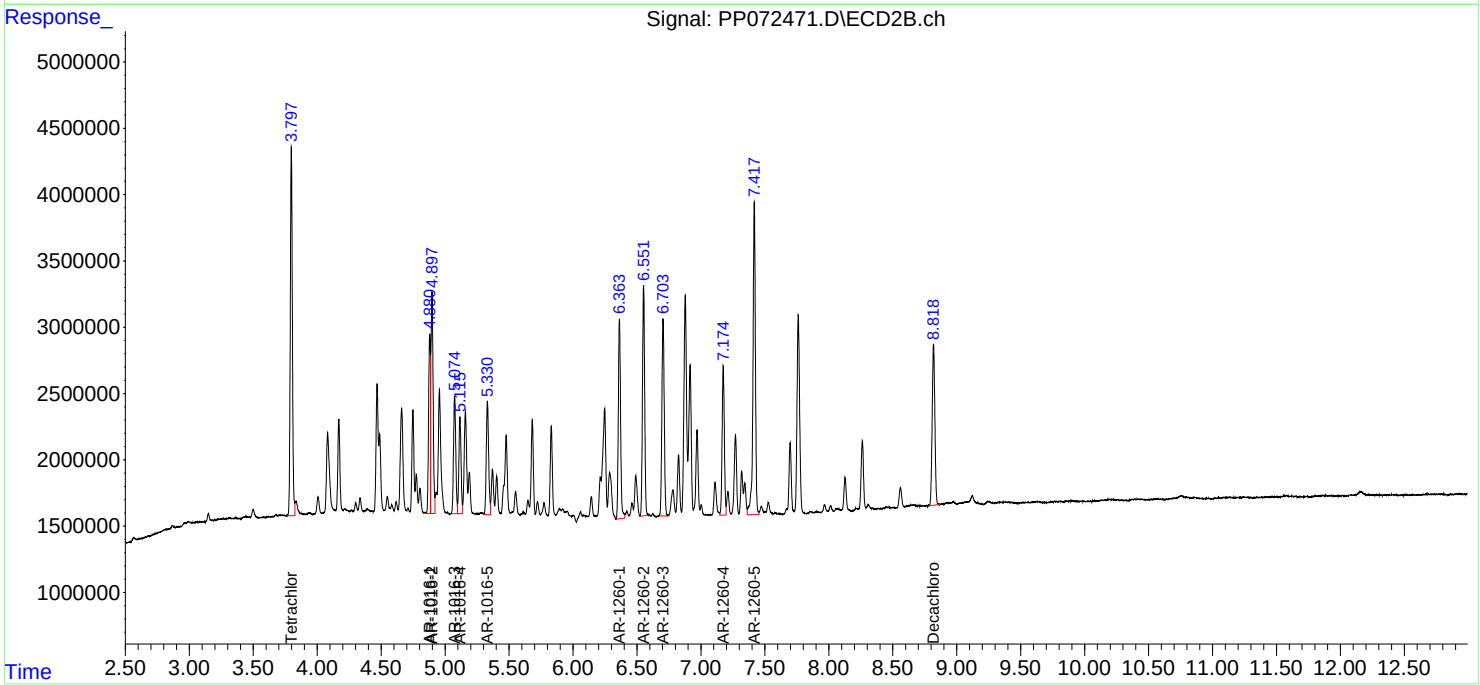
Instrument :
ECD_P
ClientSampleId :
TP-42MSD

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 06/02/2025
Supervised By :mohammad ahmed 06/03/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 30 14:39:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 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





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

Manual Integration Report

Sequence:	PP051925	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660ICC050	PP072168.D	AR-1016-1	yogesh	5/20/2025 7:28:08 AM	mohammad	5/22/2025 6:37:35	Peak Integrated by Software
AR1660ICC050	PP072168.D	AR-1016-2	yogesh	5/20/2025 7:28:08 AM	mohammad	5/22/2025 6:37:35	Peak Integrated by Software
AR1660ICC050	PP072168.D	AR-1016-3	yogesh	5/20/2025 7:28:08 AM	mohammad	5/22/2025 6:37:35	Peak Integrated by Software
AR1660ICC050	PP072168.D	AR-1016-4	yogesh	5/20/2025 7:28:08 AM	mohammad	5/22/2025 6:37:35	Peak Integrated by Software
AR1232ICC050	PP072174.D	AR-1232-3	yogesh	5/21/2025 8:50:30 AM	mohammad	5/22/2025 6:37:35	Peak Integrated by Software
AR1232ICC050	PP072174.D	AR-1232-4	yogesh	5/21/2025 8:50:30 AM	mohammad	5/22/2025 6:37:35	Peak Integrated by Software
AR1242ICC050	PP072179.D	AR-1242-1	yogesh	5/20/2025 7:28:10 AM	mohammad	5/22/2025 6:37:35	Peak Integrated by Software
AR1242ICC050	PP072179.D	AR-1242-2	yogesh	5/20/2025 7:28:10 AM	mohammad	5/22/2025 6:37:35	Peak Integrated by Software
AR1242ICC050	PP072179.D	AR-1242-3	yogesh	5/20/2025 7:28:10 AM	mohammad	5/22/2025 6:37:35	Peak Integrated by Software
AR1242ICC050	PP072179.D	AR-1242-4	yogesh	5/20/2025 7:28:10 AM	mohammad	5/22/2025 6:37:35	Peak Integrated by Software
AR1242ICC050	PP072179.D	AR-1242-5	yogesh	5/20/2025 7:28:10 AM	mohammad	5/22/2025 6:37:35	Peak Integrated by Software
AR1242ICC050	PP072179.D	AR-1242-5 #2	yogesh	5/20/2025 7:28:10 AM	mohammad	5/22/2025 6:37:35	Peak Integrated by Software
AR1248ICC050	PP072184.D	AR-1248-1	yogesh	5/20/2025 7:28:12 AM	mohammad	5/22/2025 6:37:35	Peak Integrated by Software

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Manual Integration Report

Sequence:	PP051925	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1248ICC050	PP072184.D	AR-1248-4 #2	yogesh	5/20/2025 7:28:12 AM	mohammad	5/22/2025 6:37:35	Peak Integrated by Software
AR1254ICC050	PP072189.D	AR-1254-1	yogesh	5/20/2025 7:28:14 AM	mohammad	5/22/2025 6:37:35	Peak Integrated by Software
AR1254ICC050	PP072189.D	AR-1254-4	yogesh	5/20/2025 7:28:14 AM	mohammad	5/22/2025 6:37:35	Peak Integrated by Software
AR1254ICC050	PP072189.D	AR-1254-4 #2	yogesh	5/20/2025 7:28:14 AM	mohammad	5/22/2025 6:37:35	Peak Integrated by Software
AR1254ICC050	PP072189.D	Tetrachloro-m-xylene	yogesh	5/20/2025 7:28:14 AM	mohammad	5/22/2025 6:37:35	Peak Integrated by Software
AR1254ICC050	PP072189.D	Tetrachloro-m-xylene #2	yogesh	5/20/2025 7:28:14 AM	mohammad	5/22/2025 6:37:35	Peak Integrated by Software
AR1268ICC050	PP072195.D	AR-1268-1	yogesh	5/20/2025 7:28:15 AM	mohammad	5/22/2025 6:37:35	Peak Integrated by Software
AR1268ICC050	PP072195.D	Tetrachloro-m-xylene	yogesh	5/20/2025 7:28:15 AM	mohammad	5/22/2025 6:37:35	Peak Integrated by Software

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

Manual Integration Report

Sequence:	pp053025	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2150-01	PP072468.D	Tetrachloro-m-xylene	yogesh	6/2/2025 7:25:13 AM	mohammad	6/3/2025 2:03:46	Peak Integrated by Software
Q2150-02MS	PP072470.D	AR-1260-1	yogesh	6/2/2025 7:25:15 AM	mohammad	6/3/2025 2:03:46	Peak Integrated by Software
Q2150-02MS	PP072470.D	AR-1260-4	yogesh	6/2/2025 7:25:15 AM	mohammad	6/3/2025 2:03:46	Peak Integrated by Software
Q2150-02MS	PP072470.D	AR-1260-5	yogesh	6/2/2025 7:25:15 AM	mohammad	6/3/2025 2:03:46	Peak Integrated by Software
Q2150-02MSD	PP072471.D	AR-1260-1	yogesh	6/2/2025 7:25:17 AM	mohammad	6/3/2025 2:03:46	Peak Integrated by Software
Q2150-06	PP072475.D	Tetrachloro-m-xylene	yogesh	6/2/2025 7:25:18 AM	mohammad	6/3/2025 2:03:46	Peak Integrated by Software
Q2150-08	PP072482.D	Tetrachloro-m-xylene	yogesh	6/2/2025 7:25:20 AM	mohammad	6/3/2025 2:03:46	Peak Integrated by Software

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 # PP051925

Review By	yogesh	Review On	5/19/2025 12:22:08 PM		
Supervise By	mohammad	Supervise On	5/22/2025 6:37:35 AM		
SubDirectory	PP051925	HP Acquire Method		HP Processing Method	PP051925

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	
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	PP072162.D	19 May 2025 09:09	YP\AJ	Ok
2	I.BLK	PP072163.D	19 May 2025 09:26	YP\AJ	Ok
3	AR1660ICC1000	PP072164.D	19 May 2025 09:42	YP\AJ	Ok
4	AR1660ICC750	PP072165.D	19 May 2025 09:59	YP\AJ	Ok
5	AR1660ICC500	PP072166.D	19 May 2025 10:15	YP\AJ	Ok
6	AR1660ICC250	PP072167.D	19 May 2025 10:32	YP\AJ	Ok
7	AR1660ICC050	PP072168.D	19 May 2025 10:48	YP\AJ	Ok,M
8	AR1221ICC500	PP072169.D	19 May 2025 11:05	YP\AJ	Ok
9	AR1232ICC1000	PP072170.D	19 May 2025 11:21	YP\AJ	Ok
10	AR1232ICC750	PP072171.D	19 May 2025 11:38	YP\AJ	Ok
11	AR1232ICC500	PP072172.D	19 May 2025 11:54	YP\AJ	Ok
12	AR1232ICC250	PP072173.D	19 May 2025 12:10	YP\AJ	Ok
13	AR1232ICC050	PP072174.D	19 May 2025 12:27	YP\AJ	Ok,M
14	AR1242ICC1000	PP072175.D	19 May 2025 12:43	YP\AJ	Ok
15	AR1242ICC750	PP072176.D	19 May 2025 12:59	YP\AJ	Ok
16	AR1242ICC500	PP072177.D	19 May 2025 13:15	YP\AJ	Ok
17	AR1242ICC250	PP072178.D	19 May 2025 13:32	YP\AJ	Ok
18	AR1242ICC050	PP072179.D	19 May 2025 13:48	YP\AJ	Ok,M
19	AR1248ICC1000	PP072180.D	19 May 2025 14:04	YP\AJ	Ok
20	AR1248ICC750	PP072181.D	19 May 2025 14:20	YP\AJ	Ok
21	AR1248ICC500	PP072182.D	19 May 2025 14:37	YP\AJ	Ok

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP051925

Review By	yogesh	Review On	5/19/2025 12:22:08 PM		
Supervise By	mohammad	Supervise On	5/22/2025 6:37:35 AM		
SubDirectory	PP051925	HP Acquire Method		HP Processing Method	PP051925

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	
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	AR1248ICC250	PP072183.D	19 May 2025 14:53	YP\AJ	Ok
23	AR1248ICC050	PP072184.D	19 May 2025 15:25	YP\AJ	Ok,M
24	AR1254ICC1000	PP072185.D	19 May 2025 15:42	YP\AJ	Ok
25	AR1254ICC750	PP072186.D	19 May 2025 15:58	YP\AJ	Ok
26	AR1254ICC500	PP072187.D	19 May 2025 16:14	YP\AJ	Ok
27	AR1254ICC250	PP072188.D	19 May 2025 16:31	YP\AJ	Ok
28	AR1254ICC050	PP072189.D	19 May 2025 16:47	YP\AJ	Ok,M
29	AR1262ICC500	PP072190.D	19 May 2025 17:03	YP\AJ	Ok
30	AR1268ICC1000	PP072191.D	19 May 2025 17:20	YP\AJ	Ok
31	AR1268ICC750	PP072192.D	19 May 2025 17:36	YP\AJ	Ok
32	AR1268ICC500	PP072193.D	19 May 2025 17:53	YP\AJ	Ok
33	AR1268ICC250	PP072194.D	19 May 2025 18:09	YP\AJ	Ok
34	AR1268ICC050	PP072195.D	19 May 2025 18:25	YP\AJ	Ok,M
35	PP051925ICV500	PP072196.D	19 May 2025 18:42	YP\AJ	Ok
36	AR1232ICV500	PP072197.D	19 May 2025 19:14	YP\AJ	Ok
37	AR1242ICV500	PP072198.D	19 May 2025 19:47	YP\AJ	Ok
38	AR1248ICV500	PP072199.D	19 May 2025 20:19	YP\AJ	Ok
39	AR1254ICV500	PP072200.D	19 May 2025 20:52	YP\AJ	Ok
40	AR1268ICV500	PP072201.D	19 May 2025 21:25	YP\AJ	Ok

M : Manual Integration

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP053025

Review By	yogesh	Review On	5/30/2025 1:38:04 PM		
Supervise By	mohammad	Supervise On	6/3/2025 2:03:46 AM		
SubDirectory	PP053025	HP Acquire Method		HP Processing Method	PP051925

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	PP072460.D	30 May 2025 10:05	YP\AJ	Ok
2	AR1660CCC500	PP072461.D	30 May 2025 10:21	YP\AJ	Ok
3	AR1242CCC500	PP072462.D	30 May 2025 10:40	YP\AJ	Ok
4	AR1248CCC500	PP072463.D	30 May 2025 10:57	YP\AJ	Ok
5	AR1254CCC500	PP072464.D	30 May 2025 11:13	YP\AJ	Ok
6	I.BLK	PP072465.D	30 May 2025 11:29	YP\AJ	Ok
7	PB168208BL	PP072466.D	30 May 2025 12:59	YP\AJ	Ok
8	PB168208BS	PP072467.D	30 May 2025 13:15	YP\AJ	Ok
9	Q2150-01	PP072468.D	30 May 2025 13:32	YP\AJ	Ok,M
10	Q2150-02	PP072469.D	30 May 2025 13:48	YP\AJ	Ok
11	Q2150-02MS	PP072470.D	30 May 2025 14:04	YP\AJ	Ok,M
12	Q2150-02MSD	PP072471.D	30 May 2025 14:20	YP\AJ	Ok,M
13	Q2150-03	PP072472.D	30 May 2025 14:37	YP\AJ	Ok
14	Q2150-04	PP072473.D	30 May 2025 14:53	YP\AJ	Ok
15	Q2150-05	PP072474.D	30 May 2025 15:10	YP\AJ	Ok
16	Q2150-06	PP072475.D	30 May 2025 15:26	YP\AJ	Ok,M
17	AR1660CCC500	PP072476.D	30 May 2025 16:15	YP\AJ	Ok
18	AR1242CCC500	PP072477.D	30 May 2025 16:31	YP\AJ	Ok
19	AR1248CCC500	PP072478.D	30 May 2025 16:48	YP\AJ	Ok
20	AR1254CCC500	PP072479.D	30 May 2025 17:04	YP\AJ	Ok
21	I.BLK	PP072480.D	30 May 2025 17:20	YP\AJ	Ok

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP053025

Review By	yogesh	Review On	5/30/2025 1:38:04 PM		
Supervise By	mohammad	Supervise On	6/3/2025 2:03:46 AM		
SubDirectory	PP053025	HP Acquire Method		HP Processing Method	PP051925

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	Q2150-07	PP072481.D	30 May 2025 17:37	YP\AJ	Ok
23	Q2150-08	PP072482.D	30 May 2025 17:53	YP\AJ	Ok,M
24	Q2150-09	PP072483.D	30 May 2025 18:09	YP\AJ	Ok
25	Q2150-10	PP072484.D	30 May 2025 18:26	YP\AJ	Ok
26	Q2151-01	PP072485.D	30 May 2025 18:42	YP\AJ	Ok
27	Q2152-01	PP072486.D	30 May 2025 18:58	YP\AJ	Ok,M
28	Q2153-01	PP072487.D	30 May 2025 19:15	YP\AJ	Ok,M
29	Q2155-01	PP072488.D	30 May 2025 19:31	YP\AJ	Ok,M
30	Q2155-02	PP072489.D	30 May 2025 19:48	YP\AJ	Ok,M
31	Q2157-01	PP072490.D	30 May 2025 20:04	YP\AJ	Ok
32	AR1660CCC500	PP072491.D	30 May 2025 21:09	YP\AJ	Ok
33	AR1242CCC500	PP072492.D	30 May 2025 21:42	YP\AJ	Ok
34	AR1248CCC500	PP072493.D	30 May 2025 21:59	YP\AJ	Ok
35	AR1254CCC500	PP072494.D	30 May 2025 22:15	YP\AJ	Ok
36	I.BLK	PP072495.D	30 May 2025 22:31	YP\AJ	Ok

M : Manual Integration

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP051925

Review By	yogesh	Review On	5/19/2025 12:22:08 PM		
Supervise By	mohammad	Supervise On	5/22/2025 6:37:35 AM		
SubDirectory	PP051925	HP Acquire Method		HP Processing Method	PP051925

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	
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	PP072162.D	19 May 2025 09:09		YP\AJ	Ok
2	I.BLK	I.BLK	PP072163.D	19 May 2025 09:26		YP\AJ	Ok
3	AR1660ICC1000	AR1660ICC1000	PP072164.D	19 May 2025 09:42		YP\AJ	Ok
4	AR1660ICC750	AR1660ICC750	PP072165.D	19 May 2025 09:59		YP\AJ	Ok
5	AR1660ICC500	AR1660ICC500	PP072166.D	19 May 2025 10:15		YP\AJ	Ok
6	AR1660ICC250	AR1660ICC250	PP072167.D	19 May 2025 10:32		YP\AJ	Ok
7	AR1660ICC050	AR1660ICC050	PP072168.D	19 May 2025 10:48		YP\AJ	Ok,M
8	AR1221ICC500	AR1221ICC500	PP072169.D	19 May 2025 11:05		YP\AJ	Ok
9	AR1232ICC1000	AR1232ICC1000	PP072170.D	19 May 2025 11:21		YP\AJ	Ok
10	AR1232ICC750	AR1232ICC750	PP072171.D	19 May 2025 11:38		YP\AJ	Ok
11	AR1232ICC500	AR1232ICC500	PP072172.D	19 May 2025 11:54		YP\AJ	Ok
12	AR1232ICC250	AR1232ICC250	PP072173.D	19 May 2025 12:10		YP\AJ	Ok
13	AR1232ICC050	AR1232ICC050	PP072174.D	19 May 2025 12:27		YP\AJ	Ok,M
14	AR1242ICC1000	AR1242ICC1000	PP072175.D	19 May 2025 12:43		YP\AJ	Ok
15	AR1242ICC750	AR1242ICC750	PP072176.D	19 May 2025 12:59		YP\AJ	Ok
16	AR1242ICC500	AR1242ICC500	PP072177.D	19 May 2025 13:15		YP\AJ	Ok
17	AR1242ICC250	AR1242ICC250	PP072178.D	19 May 2025 13:32		YP\AJ	Ok
18	AR1242ICC050	AR1242ICC050	PP072179.D	19 May 2025 13:48		YP\AJ	Ok,M

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP051925

Review By	yogesh	Review On	5/19/2025 12:22:08 PM		
Supervise By	mohammad	Supervise On	5/22/2025 6:37:35 AM		
SubDirectory	PP051925	HP Acquire Method		HP Processing Method	PP051925

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	
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	AR1248ICC1000	AR1248ICC1000	PP072180.D	19 May 2025 14:04		YP\AJ	Ok
20	AR1248ICC750	AR1248ICC750	PP072181.D	19 May 2025 14:20		YP\AJ	Ok
21	AR1248ICC500	AR1248ICC500	PP072182.D	19 May 2025 14:37		YP\AJ	Ok
22	AR1248ICC250	AR1248ICC250	PP072183.D	19 May 2025 14:53		YP\AJ	Ok
23	AR1248ICC050	AR1248ICC050	PP072184.D	19 May 2025 15:25		YP\AJ	Ok,M
24	AR1254ICC1000	AR1254ICC1000	PP072185.D	19 May 2025 15:42		YP\AJ	Ok
25	AR1254ICC750	AR1254ICC750	PP072186.D	19 May 2025 15:58		YP\AJ	Ok
26	AR1254ICC500	AR1254ICC500	PP072187.D	19 May 2025 16:14		YP\AJ	Ok
27	AR1254ICC250	AR1254ICC250	PP072188.D	19 May 2025 16:31		YP\AJ	Ok
28	AR1254ICC050	AR1254ICC050	PP072189.D	19 May 2025 16:47		YP\AJ	Ok,M
29	AR1262ICC500	AR1262ICC500	PP072190.D	19 May 2025 17:03		YP\AJ	Ok
30	AR1268ICC1000	AR1268ICC1000	PP072191.D	19 May 2025 17:20		YP\AJ	Ok
31	AR1268ICC750	AR1268ICC750	PP072192.D	19 May 2025 17:36		YP\AJ	Ok
32	AR1268ICC500	AR1268ICC500	PP072193.D	19 May 2025 17:53		YP\AJ	Ok
33	AR1268ICC250	AR1268ICC250	PP072194.D	19 May 2025 18:09		YP\AJ	Ok
34	AR1268ICC050	AR1268ICC050	PP072195.D	19 May 2025 18:25		YP\AJ	Ok,M
35	PP051925ICV500	ICVPP051925	PP072196.D	19 May 2025 18:42		YP\AJ	Ok
36	AR1232ICV500	ICVPP051925AR1232	PP072197.D	19 May 2025 19:14		YP\AJ	Ok
37	AR1242ICV500	ICVPP051925AR1242	PP072198.D	19 May 2025 19:47		YP\AJ	Ok

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP051925

Review By	yogesh	Review On	5/19/2025 12:22:08 PM		
Supervise By	mohammad	Supervise On	5/22/2025 6:37:35 AM		
SubDirectory	PP051925	HP Acquire Method		HP Processing Method	PP051925

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	
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	AR1248ICV500	ICVPP051925AR1248	PP072199.D	19 May 2025 20:19		YP\AJ	Ok
39	AR1254ICV500	ICVPP051925AR1254	PP072200.D	19 May 2025 20:52		YP\AJ	Ok
40	AR1268ICV500	ICVPP051925AR1268	PP072201.D	19 May 2025 21:25		YP\AJ	Ok

M : Manual Integration

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP053025

Review By	yogesh	Review On	5/30/2025 1:38:04 PM		
Supervise By	mohammad	Supervise On	6/3/2025 2:03:46 AM		
SubDirectory	PP053025	HP Acquire Method		HP Processing Method	PP051925

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	PP072460.D	30 May 2025 10:05		YP\AJ	Ok
2	AR1660CCC500	AR1660CCC500	PP072461.D	30 May 2025 10:21		YP\AJ	Ok
3	AR1242CCC500	AR1242CCC500	PP072462.D	30 May 2025 10:40		YP\AJ	Ok
4	AR1248CCC500	AR1248CCC500	PP072463.D	30 May 2025 10:57		YP\AJ	Ok
5	AR1254CCC500	AR1254CCC500	PP072464.D	30 May 2025 11:13		YP\AJ	Ok
6	I.BLK	I.BLK	PP072465.D	30 May 2025 11:29		YP\AJ	Ok
7	PB168208BL	PB168208BL	PP072466.D	30 May 2025 12:59		YP\AJ	Ok
8	PB168208BS	PB168208BS	PP072467.D	30 May 2025 13:15		YP\AJ	Ok
9	Q2150-01	TP-44	PP072468.D	30 May 2025 13:32		YP\AJ	Ok,M
10	Q2150-02	TP-42	PP072469.D	30 May 2025 13:48		YP\AJ	Ok
11	Q2150-02MS	TP-42MS	PP072470.D	30 May 2025 14:04	AR1016 recovery fail	YP\AJ	Ok,M
12	Q2150-02MSD	TP-42MSD	PP072471.D	30 May 2025 14:20	AR1016 recovery fail	YP\AJ	Ok,M
13	Q2150-03	TP-39	PP072472.D	30 May 2025 14:37		YP\AJ	Ok
14	Q2150-04	TP-48	PP072473.D	30 May 2025 14:53		YP\AJ	Ok
15	Q2150-05	TP-47	PP072474.D	30 May 2025 15:10		YP\AJ	Ok
16	Q2150-06	TP-50	PP072475.D	30 May 2025 15:26		YP\AJ	Ok,M
17	AR1660CCC500	AR1660CCC500	PP072476.D	30 May 2025 16:15		YP\AJ	Ok
18	AR1242CCC500	AR1242CCC500	PP072477.D	30 May 2025 16:31		YP\AJ	Ok

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Fax : 908 789 8922

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP053025

Review By	yogesh	Review On	5/30/2025 1:38:04 PM		
Supervise By	mohammad	Supervise On	6/3/2025 2:03:46 AM		
SubDirectory	PP053025	HP Acquire Method		HP Processing Method	PP051925

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	PP072478.D	30 May 2025 16:48		YP\AJ	Ok
20	AR1254CCC500	AR1254CCC500	PP072479.D	30 May 2025 17:04		YP\AJ	Ok
21	I.BLK	I.BLK	PP072480.D	30 May 2025 17:20		YP\AJ	Ok
22	Q2150-07	TP-51	PP072481.D	30 May 2025 17:37		YP\AJ	Ok
23	Q2150-08	TP-52	PP072482.D	30 May 2025 17:53		YP\AJ	Ok,M
24	Q2150-09	TP-54	PP072483.D	30 May 2025 18:09		YP\AJ	Ok
25	Q2150-10	TP-53	PP072484.D	30 May 2025 18:26		YP\AJ	Ok
26	Q2151-01	WC-1	PP072485.D	30 May 2025 18:42		YP\AJ	Ok
27	Q2152-01	OK-02-05292025	PP072486.D	30 May 2025 18:58		YP\AJ	Ok,M
28	Q2153-01	TR-04-0592025	PP072487.D	30 May 2025 19:15		YP\AJ	Ok,M
29	Q2155-01	446	PP072488.D	30 May 2025 19:31	AR1260 Hit	YP\AJ	Ok,M
30	Q2155-02	447-SOLID	PP072489.D	30 May 2025 19:48		YP\AJ	Ok,M
31	Q2157-01	291	PP072490.D	30 May 2025 20:04		YP\AJ	Ok
32	AR1660CCC500	AR1660CCC500	PP072491.D	30 May 2025 21:09		YP\AJ	Ok
33	AR1242CCC500	AR1242CCC500	PP072492.D	30 May 2025 21:42		YP\AJ	Ok
34	AR1248CCC500	AR1248CCC500	PP072493.D	30 May 2025 21:59		YP\AJ	Ok
35	AR1254CCC500	AR1254CCC500	PP072494.D	30 May 2025 22:15		YP\AJ	Ok
36	I.BLK	I.BLK	PP072495.D	30 May 2025 22:31		YP\AJ	Ok

M : Manual Integration

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EXTRACTION LOGPAGE

PB168208

SOP ID:	M3541-ASE Extraction-14				
Clean Up SOP #:	Acid Cleanup			**Extraction Start Date :**	05/30/2025
Matrix :	Solid			**Extraction Start Time :**	08:50
Weigh By:	EH	**Extraction By:**	RJ	**Extraction End Date :**	05/30/2025
Balance check:	RJ	**Filter By:**	RJ	**Extraction End Time :**	11:50
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	PP24461
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	EP2614
Sand	N/A	E2865
Hexane	N/A	E3938
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:

40 ML Vial lot# 03-40 BTS723, Q2157-01 used Limited volume as sample is Oily Debris.

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
5/30/25	RS (Ext lab)	Y.P. pesthp98.
11:55	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB168208

Analytical Method: M3541-ASE Extraction-14

Concentration Date: 05/30/2025

Sample ID	Client Sample ID	Test	g mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB168208BL	ABLK208	PCB	30.02	N/A	ritesh	Evelyn	10			U1-1
PB168208BS	ALCS208	PCB	30.03	N/A	ritesh	Evelyn	10			2
Q2150-01	TP-44	PCB	30.05	N/A	ritesh	Evelyn	10	E		3
Q2150-02	TP-42	PCB	30.03	N/A	ritesh	Evelyn	10	E		4
Q2150-02MS	TP-42MS	PCB	30.01	N/A	ritesh	Evelyn	10	E		5
Q2150-02MSD	TP-42MSD	PCB	30.02	N/A	ritesh	Evelyn	10	E		6
Q2150-03	TP-39	PCB	30.08	N/A	ritesh	Evelyn	10	E		U2-1
Q2150-04	TP-48	PCB	30.05	N/A	ritesh	Evelyn	10	E		2
Q2150-05	TP-47	PCB	30.04	N/A	ritesh	Evelyn	10	E		3
Q2150-06	TP-50	PCB	30.02	N/A	ritesh	Evelyn	10	E		4
Q2150-07	TP-51	PCB	30.07	N/A	ritesh	Evelyn	10	E		5
Q2150-08	TP-52	PCB	30.03	N/A	ritesh	Evelyn	10	E		6
Q2150-09	TP-54	PCB	30.09	N/A	ritesh	Evelyn	10	E		U3-1
Q2150-10	TP-53	PCB	30.05	N/A	ritesh	Evelyn	10	E		2
Q2151-01	WC-1	PCB	30.02	N/A	ritesh	Evelyn	10	E		3
Q2152-01	OK-02-05292025	PCB	30.03	N/A	ritesh	Evelyn	10	E		4
Q2153-01	TR-04-0592025	PCB	30.06	N/A	ritesh	Evelyn	10	E		5
Q2155-01	446	PCB	30.02	N/A	ritesh	Evelyn	10	E	Small Particles	6
Q2155-02	447-SOLID	PCB	30.01	N/A	ritesh	Evelyn	10	E	Small Particles	U7-1
Q2157-01	291	PCB	5.08	N/A	ritesh	Evelyn	10	E	Oily Debris	2

RS 5/30

* Extracts relinquished on the same date as received.

Q2150 8082 8-450

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q2150 **WorkList ID :** 189836 **Department :** Extraction **Date :** 05-30-2025 08:28:19

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2150-01	TP-44	Solid	PCB	Cool 4 deg C	CAMP02	L41	05/27/2025	8082A
Q2150-02	TP-42	Solid	PCB	Cool 4 deg C	CAMP02	L41	05/27/2025	8082A
Q2150-03	TP-39	Solid	PCB	Cool 4 deg C	CAMP02	L41	05/27/2025	8082A
Q2150-04	TP-48	Solid	PCB	Cool 4 deg C	CAMP02	L41	05/27/2025	8082A
Q2150-05	TP-47	Solid	PCB	Cool 4 deg C	CAMP02	L41	05/27/2025	8082A
Q2150-06	TP-50	Solid	PCB	Cool 4 deg C	CAMP02	L41	05/27/2025	8082A
Q2150-07	TP-51	Solid	PCB	Cool 4 deg C	CAMP02	L41	05/27/2025	8082A
Q2150-08	TP-52	Solid	PCB	Cool 4 deg C	CAMP02	L41	05/27/2025	8082A
Q2150-09	TP-54	Solid	PCB	Cool 4 deg C	CAMP02	L41	05/28/2025	8082A
Q2150-10	TP-53	Solid	PCB	Cool 4 deg C	CAMP02	L41	05/28/2025	8082A
Q2151-01	WC-1	Solid	PCB	Cool 4 deg C	CAMP02	L41	05/28/2025	8082A
Q2152-01	OK-02-05292025	Solid	PCB	Cool 4 deg C	PSEG03	L41	05/29/2025	8082A
Q2153-01	TR-04-0592025	Solid	PCB	Cool 4 deg C	PSEG05	L21	05/29/2025	8082A
Q2155-01	446	Solid	PCB	Cool 4 deg C	PSEG05	L31	05/29/2025	8082A
Q2155-02	447-SOLID	Solid	PCB	Cool 4 deg C	PSEG03	L31	05/29/2025	8082A
Q2157-01	291	Solid	PCB	Cool 4 deg C	PSEG03	L31	05/29/2025	8082A

1021 of 1448

Date/Time 05/30/25 8:45
Raw Sample Received by: RJ (Ecl-Lab)
Raw Sample Relinquished by: SM

Date/Time 05/30/25 9:10
Raw Sample Received by: SM
Raw Sample Relinquished by: RJ (Ecl-Lab)

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

LAB CHRONICLE

OrderID:	Q2150	**OrderDate:**	5/28/2025 3:53:00 PM
Client:	CDM Smith	**Project:**	South River WM Replacement
Contact:	Marcie Ann Encinas	**Location:**	L41,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2150-01	**TP-44**	**SOIL**			**05/27/25**			**05/28/25**
			PCB	8082A		05/30/25	05/30/25	
Q2150-02	**TP-42**	**SOIL**			**05/27/25**			**05/28/25**
			PCB	8082A		05/30/25	05/30/25	
Q2150-03	**TP-39**	**SOIL**			**05/27/25**			**05/28/25**
			PCB	8082A		05/30/25	05/30/25	
Q2150-04	**TP-48**	**SOIL**			**05/27/25**			**05/28/25**
			PCB	8082A		05/30/25	05/30/25	
Q2150-05	**TP-47**	**SOIL**			**05/27/25**			**05/28/25**
			PCB	8082A		05/30/25	05/30/25	
Q2150-06	**TP-50**	**SOIL**			**05/27/25**			**05/28/25**
			PCB	8082A		05/30/25	05/30/25	
Q2150-07	**TP-51**	**SOIL**			**05/27/25**			**05/28/25**
			PCB	8082A		05/30/25	05/30/25	
Q2150-08	**TP-52**	**SOIL**			**05/28/25**			**05/28/25**
			PCB	8082A		05/30/25	05/30/25	
Q2150-09	**TP-54**	**SOIL**			**05/28/25**			**05/28/25**
			PCB	8082A		05/30/25	05/30/25	
Q2150-10	**TP-53**	**SOIL**			**05/28/25**			**05/28/25**
			PCB	8082A		05/30/25	05/30/25	

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Fax : 908 789 8922

Hit Summary Sheet
SW-846

SDG No.: Q2150 **Order ID:** Q2150

Client: CDM Smith **Project ID:** South River WM Replacement

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID :								
			Total Concentration:	**0.000**				

SAMPLE DATA

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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-44	SDG No.:	Q2150
Lab Sample ID:	Q2150-01	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	78.9 Decanted:
Sample Wt/Vol:	30.02 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	8151A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030460.D	1	05/30/25 08:20	06/02/25 19:46	PB168207

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	9.80	U	9.80	84.9	ug/Kg
120-36-5	DICHLORPROP	16.2	U	16.2	84.9	ug/Kg
94-75-7	2,4-D	11.4	U	11.4	84.9	ug/Kg
93-72-1	2,4,5-TP (Silvex)	11.5	U	11.5	84.9	ug/Kg
93-76-5	2,4,5-T	11.0	U	11.0	84.9	ug/Kg
94-82-6	2,4-DB	30.7	U	30.7	84.9	ug/Kg
88-85-7	DINOSEB	13.7	U	13.7	84.9	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	173		10 - 141	35%	SPK: 500

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:	CDM Smith	Date Collected:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-42	SDG No.:	Q2150
Lab Sample ID:	Q2150-02	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	86.2 Decanted:
Sample Wt/Vol:	30.04 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	8151A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030461.D	1	05/30/25 08:20	06/02/25 20:11	PB168207

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	9.00	U	9.00	77.6	ug/Kg
120-36-5	DICHLORPROP	14.8	U	14.8	77.6	ug/Kg
94-75-7	2,4-D	10.5	U	10.5	77.6	ug/Kg
93-72-1	2,4,5-TP (Silvex)	10.5	U	10.5	77.6	ug/Kg
93-76-5	2,4,5-T	10.1	U	10.1	77.6	ug/Kg
94-82-6	2,4-DB	28.0	U	28.0	77.6	ug/Kg
88-85-7	DINOSEB	12.5	U	12.5	77.6	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	280		10 - 141	56%	SPK: 500

Comments:

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LOD = Limit of Detection
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J = Estimated Value
B = Analyte Found in Associated Method Blank
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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:	CDM Smith	Date Collected:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-39	SDG No.:	Q2150
Lab Sample ID:	Q2150-03	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	83.7 Decanted:
Sample Wt/Vol:	30.06 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	8151A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030462.D	1	05/30/25 08:20	06/02/25 20:35	PB168207

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	9.20	U	9.20	79.9	ug/Kg
120-36-5	DICHLORPROP	15.3	U	15.3	79.9	ug/Kg
94-75-7	2,4-D	10.8	U	10.8	79.9	ug/Kg
93-72-1	2,4,5-TP (Silvex)	10.8	U	10.8	79.9	ug/Kg
93-76-5	2,4,5-T	10.4	U	10.4	79.9	ug/Kg
94-82-6	2,4-DB	28.9	U	28.9	79.9	ug/Kg
88-85-7	DINOSEB	12.9	U	12.9	79.9	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	267		10 - 141	53%	SPK: 500

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:	CDM Smith	Date Collected:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-48	SDG No.:	Q2150
Lab Sample ID:	Q2150-04	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	80.7 Decanted:
Sample Wt/Vol:	30.07 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	8151A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030463.D	1	05/30/25 08:20	06/02/25 20:59	PB168207

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	9.60	U	9.60	82.8	ug/Kg
120-36-5	DICHLORPROP	15.8	U	15.8	82.8	ug/Kg
94-75-7	2,4-D	11.2	U	11.2	82.8	ug/Kg
93-72-1	2,4,5-TP (Silvex)	11.2	U	11.2	82.8	ug/Kg
93-76-5	2,4,5-T	10.8	U	10.8	82.8	ug/Kg
94-82-6	2,4-DB	29.9	U	29.9	82.8	ug/Kg
88-85-7	DINOSEB	13.4	U	13.4	82.8	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	239		10 - 141	48%	SPK: 500

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:	CDM Smith	Date Collected:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-47	SDG No.:	Q2150
Lab Sample ID:	Q2150-05	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	81 Decanted:
Sample Wt/Vol:	30.03 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	8151A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030464.D	1	05/30/25 08:20	06/02/25 21:23	PB168207

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	9.60	U	9.60	82.6	ug/Kg
120-36-5	DICHLORPROP	15.8	U	15.8	82.6	ug/Kg
94-75-7	2,4-D	11.1	U	11.1	82.6	ug/Kg
93-72-1	2,4,5-TP (Silvex)	11.2	U	11.2	82.6	ug/Kg
93-76-5	2,4,5-T	10.7	U	10.7	82.6	ug/Kg
94-82-6	2,4-DB	29.8	U	29.8	82.6	ug/Kg
88-85-7	DINOSEB	13.3	U	13.3	82.6	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	254		10 - 141	51%	SPK: 500

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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-50	SDG No.:	Q2150
Lab Sample ID:	Q2150-06	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	86 Decanted:
Sample Wt/Vol:	30.09 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	8151A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030624.D	1	05/30/25 08:20	06/11/25 10:52	PB168207

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	9.00	U	9.00	77.7	ug/Kg
120-36-5	DICHLORPROP	14.8	U	14.8	77.7	ug/Kg
94-75-7	2,4-D	10.5	U	10.5	77.7	ug/Kg
93-72-1	2,4,5-TP (Silvex)	10.5	U	10.5	77.7	ug/Kg
93-76-5	2,4,5-T	10.1	U	10.1	77.7	ug/Kg
94-82-6	2,4-DB	28.1	U	28.1	77.7	ug/Kg
88-85-7	DINOSEB	12.5	U	12.5	77.7	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	597		10 - 141	119%	SPK: 500

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:	CDM Smith	Date Collected:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-51	SDG No.:	Q2150
Lab Sample ID:	Q2150-07	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	83.7 Decanted:
Sample Wt/Vol:	30.05 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	8151A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030468.D	1	05/30/25 08:20	06/02/25 22:59	PB168207

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	9.20	U	9.20	79.9	ug/Kg
120-36-5	DICHLORPROP	15.3	U	15.3	79.9	ug/Kg
94-75-7	2,4-D	10.8	U	10.8	79.9	ug/Kg
93-72-1	2,4,5-TP (Silvex)	10.8	U	10.8	79.9	ug/Kg
93-76-5	2,4,5-T	10.4	U	10.4	79.9	ug/Kg
94-82-6	2,4-DB	28.9	U	28.9	79.9	ug/Kg
88-85-7	DINOSEB	12.9	U	12.9	79.9	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	247		10 - 141	49%	SPK: 500

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:	CDM Smith	Date Collected:	05/28/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-52	SDG No.:	Q2150
Lab Sample ID:	Q2150-08	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	85.7 Decanted:
Sample Wt/Vol:	30.04 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	8151A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030469.D	1	05/30/25 08:20	06/02/25 23:23	PB168207

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	9.00	U	9.00	78.1	ug/Kg
120-36-5	DICHLORPROP	14.9	U	14.9	78.1	ug/Kg
94-75-7	2,4-D	10.5	U	10.5	78.1	ug/Kg
93-72-1	2,4,5-TP (Silvex)	10.6	U	10.6	78.1	ug/Kg
93-76-5	2,4,5-T	10.1	U	10.1	78.1	ug/Kg
94-82-6	2,4-DB	28.2	U	28.2	78.1	ug/Kg
88-85-7	DINOSEB	12.6	U	12.6	78.1	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	173		10 - 141	35%	SPK: 500

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:	CDM Smith	Date Collected:	05/28/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-54	SDG No.:	Q2150
Lab Sample ID:	Q2150-09	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	83.6 Decanted:
Sample Wt/Vol:	30.01 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	8151A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030470.D	1	05/30/25 08:20	06/02/25 23:47	PB168207

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	9.30	U	9.30	80.1	ug/Kg
120-36-5	DICHLORPROP	15.3	U	15.3	80.1	ug/Kg
94-75-7	2,4-D	10.8	U	10.8	80.1	ug/Kg
93-72-1	2,4,5-TP (Silvex)	10.8	U	10.8	80.1	ug/Kg
93-76-5	2,4,5-T	10.4	U	10.4	80.1	ug/Kg
94-82-6	2,4-DB	28.9	U	28.9	80.1	ug/Kg
88-85-7	DINOSEB	12.9	U	12.9	80.1	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	331		10 - 141	66%	SPK: 500

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:	CDM Smith	Date Collected:	05/28/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-53	SDG No.:	Q2150
Lab Sample ID:	Q2150-10	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	85.3 Decanted:
Sample Wt/Vol:	30.06 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	8151A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030471.D	1	05/30/25 08:20	06/03/25 00:11	PB168207

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	9.10	U	9.10	78.4	ug/Kg
120-36-5	DICHLORPROP	15.0	U	15.0	78.4	ug/Kg
94-75-7	2,4-D	10.6	U	10.6	78.4	ug/Kg
93-72-1	2,4,5-TP (Silvex)	10.6	U	10.6	78.4	ug/Kg
93-76-5	2,4,5-T	10.2	U	10.2	78.4	ug/Kg
94-82-6	2,4-DB	28.3	U	28.3	78.4	ug/Kg
88-85-7	DINOSEB	12.6	U	12.6	78.4	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	292		10 - 141	58%	SPK: 500

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

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

Surrogate Summary

SDG No.: Q2150

Client: CDM Smith

Analytical Method: 8151A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits Low	Limits High
I.BLK-PS030436.D	PIBLK-PS030436.D	2,4-DCAA	1	500	465	93		61	136
		2,4-DCAA	2	500	470	94		61	136
I.BLK-PS030455.D	PIBLK-PS030455.D	2,4-DCAA	1	500	467	93		61	136
		2,4-DCAA	2	500	483	97		61	136
Q2150-01	TP-44	2,4-DCAA	1	500	173	35		10	141
		2,4-DCAA	2	500	167	33		10	141
Q2150-02	TP-42	2,4-DCAA	1	500	275	55		10	141
		2,4-DCAA	2	500	280	56		10	141
Q2150-03	TP-39	2,4-DCAA	1	500	267	53		10	141
		2,4-DCAA	2	500	255	51		10	141
Q2150-04	TP-48	2,4-DCAA	1	500	239	48		10	141
		2,4-DCAA	2	500	221	44		10	141
Q2150-05	TP-47	2,4-DCAA	1	500	254	51		10	141
		2,4-DCAA	2	500	237	47		10	141
I.BLK-PS030466.D	PIBLK-PS030466.D	2,4-DCAA	1	500	477	95		61	136
		2,4-DCAA	2	500	485	97		61	136
Q2150-07	TP-51	2,4-DCAA	1	500	247	49		10	141
		2,4-DCAA	2	500	244	49		10	141
Q2150-08	TP-52	2,4-DCAA	1	500	173	35		10	141
		2,4-DCAA	2	500	165	33		10	141
Q2150-09	TP-54	2,4-DCAA	1	500	331	66		10	141
		2,4-DCAA	2	500	320	64		10	141
Q2150-10	TP-53	2,4-DCAA	1	500	292	58		10	141
		2,4-DCAA	2	500	285	57		10	141
I.BLK-PS030472.D	PIBLK-PS030472.D	2,4-DCAA	1	500	476	95		61	136
		2,4-DCAA	2	500	490	98		61	136
I.BLK-PS030475.D	PIBLK-PS030475.D	2,4-DCAA	1	500	414	83		61	136
		2,4-DCAA	2	500	445	89		61	136
I.BLK-PS030482.D	PIBLK-PS030482.D	2,4-DCAA	1	500	444	89		61	136
		2,4-DCAA	2	500	449	90		61	136
PB168207BL	PB168207BL	2,4-DCAA	1	500	436	87		10	141
		2,4-DCAA	2	500	430	86		10	141
PB168207BS	PB168207BS	2,4-DCAA	1	500	527	105		10	141
		2,4-DCAA	2	500	493	99		10	141
I.BLK-PS030488.D	PIBLK-PS030488.D	2,4-DCAA	1	500	436	87		61	136
		2,4-DCAA	2	500	451	90		61	136
I.BLK-PS030574.D	PIBLK-PS030574.D	2,4-DCAA	1	500	437	87		61	136
		2,4-DCAA	2	500	454	91		61	136
Q2130-01MS	TP-3MS	2,4-DCAA	1	500	252	50		10	141
		2,4-DCAA	2	500	210	42		10	141
Q2130-01MSD	TP-3MSD	2,4-DCAA	1	500	250	50		10	141

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Surrogate Summary

SDG No.: Q2150

Client: CDM Smith

Analytical Method: 8151A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits Low	Limits High
Q2130-01MSD	TP-3MSD	2,4-DCAA	2	500	206	41		10	141
I.BLK-PS030579.D	PIBLK-PS030579.D	2,4-DCAA	1	500	450	90		61	136
		2,4-DCAA	2	500	466	93		61	136
I.BLK-PS030620.D	PIBLK-PS030620.D	2,4-DCAA	1	500	449	90		61	136
		2,4-DCAA	2	500	487	97		61	136
Q2150-06	TP-50	2,4-DCAA	1	500	540	108		10	141
		2,4-DCAA	2	500	597	119		10	141
I.BLK-PS030629.D	PIBLK-PS030629.D	2,4-DCAA	1	500	452	90		61	136
		2,4-DCAA	2	500	492	98		61	136

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2150 **Analytical Method:** 8151A

Client: CDM Smith **DataFile :** PS030577.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Client Sample ID:	**TP-3MS**											
Q2130-01MS (Column 1)	DICAMBA	184.4	0	82.9	ug/Kg	45				10	112	
	DICHLORPROP	184.4	0	93.1	ug/Kg	50				10	113	
	2,4-D	184.4	0	99.5	ug/Kg	54				10	144	
	2,4,5-TP(Silvex)	184.4	0	88.2	ug/Kg	48				10	114	
	2,4,5-T	184.4	0	79.9	ug/Kg	43				10	115	
	2,4-DB	184.4	0	46.7	ug/Kg	25				10	140	
	Dinoseb	184.4	0	16.3	ug/Kg	9	*			10	118	
Client Sample ID:	**TP-3MS**											
Q2130-01MS (Column 2)	DICAMBA	184.4	0	78.3	ug/Kg	42				10	112	
	DICHLORPROP	184.4	0	91.5	ug/Kg	50				10	113	
	2,4-D	184.4	0	84.7	ug/Kg	46				10	144	
	2,4,5-TP(Silvex)	184.4	0	92.9	ug/Kg	50				10	114	
	2,4,5-T	184.4	0	82.2	ug/Kg	45				10	115	
	2,4-DB	184.4	0	75.1	ug/Kg	41				10	140	
	Dinoseb	184.4	0	20.3	ug/Kg	11				10	118	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2150 **Analytical Method:** 8151A

Client: CDM Smith **DataFile :** PS030578.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Client Sample ID:	**TP-3MSD**											
Q2130-01MSD (Column 1)	DICAMBA	184.1	0	82.5	ug/Kg	45		0		10	112	20
	DICHLORPROP	184.1	0	92.4	ug/Kg	50		0		10	113	20
	2,4-D	184.1	0	99.3	ug/Kg	54		0		10	144	20
	2,4,5-TP(Silvex)	184.1	0	87.6	ug/Kg	48		0		10	114	20
	2,4,5-T	184.1	0	80.3	ug/Kg	44		2		10	115	20
	2,4-DB	184.1	0	44.9	ug/Kg	24		4		10	140	20
	Dinoseb	184.1	0	16.3	ug/Kg	9	*	0		10	118	20
Client Sample ID:	**TP-3MSD**											
Q2130-01MSD (Column 2)	DICAMBA	184.1	0	78.1	ug/Kg	42		0		10	112	20
	DICHLORPROP	184.1	0	91.1	ug/Kg	49		2		10	113	20
	2,4-D	184.1	0	94.6	ug/Kg	51		10		10	144	20
	2,4,5-TP(Silvex)	184.1	0	92.0	ug/Kg	50		0		10	114	20
	2,4,5-T	184.1	0	81.6	ug/Kg	44		2		10	115	20
	2,4-DB	184.1	0	74.6	ug/Kg	41		0		10	140	20
	Dinoseb	184.1	0	20.1	ug/Kg	11		0		10	118	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2150 **Analytical Method:** 8151A

Client: CDM Smith **Datafile :** PS030485.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB168207BS (Column 1)	DICAMBA	166.6	161	ug/Kg	97				72	129	
	DICHLORPROP	166.6	160	ug/Kg	96				77	135	
	2,4-D	166.6	160	ug/Kg	96				65	144	
	2,4,5-TP(Silvex)	166.6	165	ug/Kg	99				74	146	
	2,4,5-T	166.6	163	ug/Kg	98				77	134	
	2,4-DB	166.6	158	ug/Kg	95				72	122	
	Dinoseb	166.6	162	ug/Kg	97				74	132	
PB168207BS (Column 2)	DICAMBA	166.6	155	ug/Kg	93				72	129	
	DICHLORPROP	166.6	156	ug/Kg	94				77	135	
	2,4-D	166.6	157	ug/Kg	94				65	144	
	2,4,5-TP(Silvex)	166.6	159	ug/Kg	95				74	146	
	2,4,5-T	166.6	159	ug/Kg	95				77	134	
	2,4-DB	166.6	158	ug/Kg	95				72	122	
	Dinoseb	166.6	156	ug/Kg	94				74	132	

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4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB168207BL

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2150 SAS No.: Q2150 SDG NO.: Q2150

Lab Sample ID: PB168207BL Lab File ID: PS030484.D

Matrix: (soil/water) Solid Extraction: (Type) SOXH

Sulfur Cleanup: (Y/N) N Date Extracted: 05/30/2025

Date Analyzed (1): 06/04/2025 Date Analyzed (2): 06/04/2025

Time Analyzed (1): 14:47 Time Analyzed (2): 14:47

Instrument ID (1): ECD_S Instrument ID (2): ECD_S

GC Column (1): RTX-CLP ID: 0.32 (mm) GC Column (2): RTX-CLP2 ID: 0.32 (mm)

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED 1	DATE ANALYZED 2
TP-44	Q2150-01	PS030460.D	06/02/2025	06/02/2025
TP-42	Q2150-02	PS030461.D	06/02/2025	06/02/2025
TP-39	Q2150-03	PS030462.D	06/02/2025	06/02/2025
TP-48	Q2150-04	PS030463.D	06/02/2025	06/02/2025
TP-47	Q2150-05	PS030464.D	06/02/2025	06/02/2025
TP-51	Q2150-07	PS030468.D	06/02/2025	06/02/2025
TP-52	Q2150-08	PS030469.D	06/02/2025	06/02/2025
TP-54	Q2150-09	PS030470.D	06/02/2025	06/02/2025
TP-53	Q2150-10	PS030471.D	06/03/2025	06/03/2025
PB168207BS	PB168207BS	PS030485.D	06/04/2025	06/04/2025
TP-3MS	Q2130-01MS	PS030577.D	06/09/2025	06/09/2025
TP-3MSD	Q2130-01MSD	PS030578.D	06/09/2025	06/09/2025
TP-50	Q2150-06	PS030624.D	06/11/2025	06/11/2025

COMMENTS:

QC SAMPLE DATA

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

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	PB168207BL	SDG No.:	Q2150
Lab Sample ID:	PB168207BL	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	100 Decanted:
Sample Wt/Vol:	30.01 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	8151A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030484.D	1	05/30/25 08:20	06/04/25 14:47	PB168207

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	7.70	U	7.70	67.0	ug/Kg
120-36-5	DICHLORPROP	12.8	U	12.8	67.0	ug/Kg
94-75-7	2,4-D	9.00	U	9.00	67.0	ug/Kg
93-72-1	2,4,5-TP (Silvex)	9.10	U	9.10	67.0	ug/Kg
93-76-5	2,4,5-T	8.70	U	8.70	67.0	ug/Kg
94-82-6	2,4-DB	24.2	U	24.2	67.0	ug/Kg
88-85-7	DINOSEB	10.8	U	10.8	67.0	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	436		10 - 141	87%	SPK: 500

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:	CDM Smith	Date Collected:	06/02/25
Project:	South River WM Replacement	Date Received:	06/02/25
Client Sample ID:	PIBLK-PS030436.D	SDG No.:	Q2150
Lab Sample ID:	I.BLK-PS030436.D	Matrix:	water
Analytical Method:	8151A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030436.D	1		06/02/25	Ps060225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
1918-00-9	DICAMBA	0.65	U	0.65	2.00	ug/L
120-36-5	DICHLORPROP	0.76	U	0.76	2.00	ug/L
94-75-7	2,4-D	0.92	U	0.92	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	0.78	U	0.78	2.00	ug/L
93-76-5	2,4,5-T	0.71	U	0.71	2.00	ug/L
94-82-6	2,4-DB	0.65	U	0.65	2.00	ug/L
88-85-7	DINOSEB	0.89	U	0.89	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	470		61 - 136	94%	SPK: 500

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:	CDM Smith	Date Collected:	06/02/25
Project:	South River WM Replacement	Date Received:	06/02/25
Client Sample ID:	PIBLK-PS030455.D	SDG No.:	Q2150
Lab Sample ID:	I.BLK-PS030455.D	Matrix:	WATER
Analytical Method:	8151A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030455.D	1		06/02/25	PS060225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
1918-00-9	DICAMBA	0.65	U	0.65	2.00	ug/L
120-36-5	DICHLORPROP	0.76	U	0.76	2.00	ug/L
94-75-7	2,4-D	0.92	U	0.92	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	0.78	U	0.78	2.00	ug/L
93-76-5	2,4,5-T	0.71	U	0.71	2.00	ug/L
94-82-6	2,4-DB	0.65	U	0.65	2.00	ug/L
88-85-7	DINOSEB	0.89	U	0.89	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	483		61 - 136	97%	SPK: 500

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:	CDM Smith	Date Collected:	06/02/25
Project:	South River WM Replacement	Date Received:	06/02/25
Client Sample ID:	PIBLK-PS030466.D	SDG No.:	Q2150
Lab Sample ID:	I.BLK-PS030466.D	Matrix:	WATER
Analytical Method:	8151A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030466.D	1		06/02/25	PS060225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
1918-00-9	DICAMBA	0.65	U	0.65	2.00	ug/L
120-36-5	DICHLORPROP	0.76	U	0.76	2.00	ug/L
94-75-7	2,4-D	0.92	U	0.92	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	0.78	U	0.78	2.00	ug/L
93-76-5	2,4,5-T	0.71	U	0.71	2.00	ug/L
94-82-6	2,4-DB	0.65	U	0.65	2.00	ug/L
88-85-7	DINOSEB	0.89	U	0.89	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	485		61 - 136	97%	SPK: 500

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:	CDM Smith	Date Collected:	06/03/25
Project:	South River WM Replacement	Date Received:	06/03/25
Client Sample ID:	PIBLK-PS030472.D	SDG No.:	Q2150
Lab Sample ID:	I.BLK-PS030472.D	Matrix:	WATER
Analytical Method:	8151A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030472.D	1		06/03/25	PS060225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
1918-00-9	DICAMBA	0.65	U	0.65	2.00	ug/L
120-36-5	DICHLORPROP	0.76	U	0.76	2.00	ug/L
94-75-7	2,4-D	0.92	U	0.92	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	0.78	U	0.78	2.00	ug/L
93-76-5	2,4,5-T	0.71	U	0.71	2.00	ug/L
94-82-6	2,4-DB	0.65	U	0.65	2.00	ug/L
88-85-7	DINOSEB	0.89	U	0.89	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	490		61 - 136	98%	SPK: 500

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:	CDM Smith	Date Collected:	06/04/25
Project:	South River WM Replacement	Date Received:	06/04/25
Client Sample ID:	PIBLK-PS030475.D	SDG No.:	Q2150
Lab Sample ID:	I.BLK-PS030475.D	Matrix:	WATER
Analytical Method:	8151A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030475.D	1		06/04/25	PS060425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
1918-00-9	DICAMBA	0.65	U	0.65	2.00	ug/L
120-36-5	DICHLORPROP	0.76	U	0.76	2.00	ug/L
94-75-7	2,4-D	0.92	U	0.92	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	0.78	U	0.78	2.00	ug/L
93-76-5	2,4,5-T	0.71	U	0.71	2.00	ug/L
94-82-6	2,4-DB	0.65	U	0.65	2.00	ug/L
88-85-7	DINOSEB	0.89	U	0.89	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	445		61 - 136	89%	SPK: 500

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:	CDM Smith	Date Collected:	06/04/25
Project:	South River WM Replacement	Date Received:	06/04/25
Client Sample ID:	PIBLK-PS030482.D	SDG No.:	Q2150
Lab Sample ID:	I.BLK-PS030482.D	Matrix:	WATER
Analytical Method:	8151A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030482.D	1		06/04/25	PS060425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
1918-00-9	DICAMBA	0.65	U	0.65	2.00	ug/L
120-36-5	DICHLORPROP	0.76	U	0.76	2.00	ug/L
94-75-7	2,4-D	0.92	U	0.92	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	0.78	U	0.78	2.00	ug/L
93-76-5	2,4,5-T	0.71	U	0.71	2.00	ug/L
94-82-6	2,4-DB	0.65	U	0.65	2.00	ug/L
88-85-7	DINOSEB	0.89	U	0.89	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	449		61 - 136	90%	SPK: 500

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:	CDM Smith	Date Collected:	06/04/25
Project:	South River WM Replacement	Date Received:	06/04/25
Client Sample ID:	PIBLK-PS030488.D	SDG No.:	Q2150
Lab Sample ID:	I.BLK-PS030488.D	Matrix:	WATER
Analytical Method:	8151A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030488.D	1		06/04/25	PS060425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
1918-00-9	DICAMBA	0.65	U	0.65	2.00	ug/L
120-36-5	DICHLORPROP	0.76	U	0.76	2.00	ug/L
94-75-7	2,4-D	0.92	U	0.92	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	0.78	U	0.78	2.00	ug/L
93-76-5	2,4,5-T	0.71	U	0.71	2.00	ug/L
94-82-6	2,4-DB	0.65	U	0.65	2.00	ug/L
88-85-7	DINOSEB	0.89	U	0.89	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	451		61 - 136	90%	SPK: 500

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:	CDM Smith	Date Collected:	06/09/25
Project:	South River WM Replacement	Date Received:	06/09/25
Client Sample ID:	PIBLK-PS030574.D	SDG No.:	Q2150
Lab Sample ID:	I.BLK-PS030574.D	Matrix:	WATER
Analytical Method:	8151A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030574.D	1		06/09/25	ps060925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
1918-00-9	DICAMBA	0.65	U	0.65	2.00	ug/L
120-36-5	DICHLORPROP	0.76	U	0.76	2.00	ug/L
94-75-7	2,4-D	0.92	U	0.92	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	0.78	U	0.78	2.00	ug/L
93-76-5	2,4,5-T	0.71	U	0.71	2.00	ug/L
94-82-6	2,4-DB	0.65	U	0.65	2.00	ug/L
88-85-7	DINOSEB	0.89	U	0.89	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	454		61 - 136	91%	SPK: 500

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:	CDM Smith	Date Collected:	06/09/25
Project:	South River WM Replacement	Date Received:	06/09/25
Client Sample ID:	PIBLK-PS030579.D	SDG No.:	Q2150
Lab Sample ID:	I.BLK-PS030579.D	Matrix:	WATER
Analytical Method:	8151A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030579.D	1		06/09/25	ps060925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
1918-00-9	DICAMBA	0.65	U	0.65	2.00	ug/L
120-36-5	DICHLORPROP	0.76	U	0.76	2.00	ug/L
94-75-7	2,4-D	0.92	U	0.92	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	0.78	U	0.78	2.00	ug/L
93-76-5	2,4,5-T	0.71	U	0.71	2.00	ug/L
94-82-6	2,4-DB	0.65	U	0.65	2.00	ug/L
88-85-7	DINOSEB	0.89	U	0.89	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	466		61 - 136	93%	SPK: 500

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:	CDM Smith	Date Collected:	06/11/25
Project:	South River WM Replacement	Date Received:	06/11/25
Client Sample ID:	PIBLK-PS030620.D	SDG No.:	Q2150
Lab Sample ID:	I.BLK-PS030620.D	Matrix:	WATER
Analytical Method:	8151A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030620.D	1		06/11/25	ps061125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
1918-00-9	DICAMBA	0.65	U	0.65	2.00	ug/L
120-36-5	DICHLORPROP	0.76	U	0.76	2.00	ug/L
94-75-7	2,4-D	0.92	U	0.92	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	0.78	U	0.78	2.00	ug/L
93-76-5	2,4,5-T	0.71	U	0.71	2.00	ug/L
94-82-6	2,4-DB	0.65	U	0.65	2.00	ug/L
88-85-7	DINOSEB	0.89	U	0.89	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	487		61 - 136	97%	SPK: 500

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:	CDM Smith	Date Collected:	06/11/25
Project:	South River WM Replacement	Date Received:	06/11/25
Client Sample ID:	PIBLK-PS030629.D	SDG No.:	Q2150
Lab Sample ID:	I.BLK-PS030629.D	Matrix:	WATER
Analytical Method:	8151A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030629.D	1		06/11/25	ps061125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
1918-00-9	DICAMBA	0.65	U	0.65	2.00	ug/L
120-36-5	DICHLORPROP	0.76	U	0.76	2.00	ug/L
94-75-7	2,4-D	0.92	U	0.92	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	0.78	U	0.78	2.00	ug/L
93-76-5	2,4,5-T	0.71	U	0.71	2.00	ug/L
94-82-6	2,4-DB	0.65	U	0.65	2.00	ug/L
88-85-7	DINOSEB	0.89	U	0.89	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	492		61 - 136	98%	SPK: 500

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:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	PB168207BS	SDG No.:	Q2150
Lab Sample ID:	PB168207BS	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	100 Decanted:
Sample Wt/Vol:	30.02 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	8151A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030485.D	1	05/30/25 08:20	06/04/25 15:12	PB168207

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	161		7.70	67.0	ug/Kg
120-36-5	DICHLORPROP	160		12.8	67.0	ug/Kg
94-75-7	2,4-D	160		9.00	67.0	ug/Kg
93-72-1	2,4,5-TP (Silvex)	165		9.10	67.0	ug/Kg
93-76-5	2,4,5-T	163		8.70	67.0	ug/Kg
94-82-6	2,4-DB	158		24.2	67.0	ug/Kg
88-85-7	DINOSEB	162		10.8	67.0	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	527		10 - 141	105%	SPK: 500

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:	CDM Smith	Date Collected:	05/27/25
Project:	South River WM Replacement	Date Received:	05/27/25
Client Sample ID:	TP-3MS	SDG No.:	Q2150
Lab Sample ID:	Q2130-01MS	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	90.3 Decanted:
Sample Wt/Vol:	30.03 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	8151A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030577.D	1	05/30/25 08:20	06/09/25 18:41	PB168207

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	82.9		8.60	74.1	ug/Kg
120-36-5	DICHLORPROP	93.1		14.2	74.1	ug/Kg
94-75-7	2,4-D	99.5		10.0	74.1	ug/Kg
93-72-1	2,4,5-TP (Silvex)	92.9		10.0	74.1	ug/Kg
93-76-5	2,4,5-T	82.2		9.60	74.1	ug/Kg
94-82-6	2,4-DB	75.1	P	26.8	74.1	ug/Kg
88-85-7	DINOSEB	20.3	J	11.9	74.1	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	252		10 - 141	50%	SPK: 500

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:	CDM Smith	Date Collected:	05/27/25
Project:	South River WM Replacement	Date Received:	05/27/25
Client Sample ID:	TP-3MSD	SDG No.:	Q2150
Lab Sample ID:	Q2130-01MSD	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	90.3 Decanted:
Sample Wt/Vol:	30.08 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	8151A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030578.D	1	05/30/25 08:20	06/09/25 19:05	PB168207

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	82.5		8.60	74.0	ug/Kg
120-36-5	DICHLORPROP	92.4		14.1	74.0	ug/Kg
94-75-7	2,4-D	99.3		10.0	74.0	ug/Kg
93-72-1	2,4,5-TP (Silvex)	92.0		10.0	74.0	ug/Kg
93-76-5	2,4,5-T	81.6		9.60	74.0	ug/Kg
94-82-6	2,4-DB	74.6	P	26.7	74.0	ug/Kg
88-85-7	DINOSEB	20.1	J	11.9	74.0	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	250		10 - 141	50%	SPK: 500

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

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RETENTION TIMES OF INITIAL CALIBRATION

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2150 **SAS No.:** Q2150 **SDG NO.:** Q2150

Instrument ID: ECD_S **Calibration Date(s):** 06/02/2025 06/02/2025

Calibration Times: 09:13 10:49

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

LAB FILE ID: RT 200 = PS030437.D RT 500 = PS030438.D

RT 750 = PS030439.D RT 1000 = PS030440.D RT 1500 = PS030441.D

COMPOUND	RT 200	RT 500	RT 750	RT 1000	RT 1500	MEAN RT	RT WINDOW FROM	RT WINDOW TO
2,4,5-T	8.89	8.89	8.89	8.89	8.89	8.89	8.79	8.99
2,4,5-TP(Silvex)	8.61	8.61	8.61	8.61	8.61	8.61	8.51	8.71
2,4-D	7.79	7.79	7.79	7.79	7.79	7.79	7.69	7.89
2,4-DB	9.44	9.43	9.43	9.43	9.43	9.43	9.33	9.53
2,4-DCAA	6.73	6.73	6.73	6.73	6.73	6.73	6.63	6.83
DICAMBA	6.90	6.90	6.90	6.90	6.90	6.90	6.80	7.00
DICHLORPROP	7.57	7.57	7.57	7.57	7.57	7.57	7.47	7.67
Dinoseb	10.57	10.57	10.57	10.57	10.57	10.57	10.47	10.67

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RETENTION TIMES OF INITIAL CALIBRATION

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2150 **SAS No.:** Q2150 **SDG NO.:** Q2150

Instrument ID: ECD_S **Calibration Date(s):** 06/02/2025 06/02/2025

Calibration Times: 09:13 10:49

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

LAB FILE ID: RT 200 = PS030437.D RT 500 = PS030438.D

RT 750 = PS030439.D RT 1000 = PS030440.D RT 1500 = PS030441.D

COMPOUND	RT 200	RT 500	RT 750	RT 1000	RT 1500	MEAN RT	RT WINDOW FROM	RT WINDOW TO
2,4,5-T	9.74	9.74	9.75	9.74	9.74	9.74	9.64	9.84
2,4,5-TP(Silvex)	9.34	9.34	9.35	9.34	9.34	9.34	9.24	9.44
2,4-D	8.48	8.48	8.48	8.48	8.48	8.48	8.38	8.58
2,4-DB	10.30	10.30	10.30	10.30	10.30	10.30	10.20	10.40
2,4-DCAA	7.30	7.30	7.30	7.30	7.30	7.30	7.20	7.40
DICAMBA	7.48	7.48	7.48	7.48	7.48	7.48	7.38	7.58
DICHLORPROP	8.17	8.17	8.17	8.17	8.17	8.17	8.07	8.27
Dinoseb	10.66	10.66	10.67	10.67	10.66	10.66	10.56	10.76

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2150 **SAS No.:** Q2150 **SDG NO.:** Q2150

Instrument ID: ECD_S **Calibration Date(s):** 06/02/2025 06/02/2025

Calibration Times: 09:13 10:49

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

LAB FILE ID: **CF 200 =** PS030437.D **CF 500 =** PS030438.D

CF 750 = PS030439.D **CF 1000 =** PS030440.D **CF 1500 =** PS030441.D

COMPOUND	CF 200	CF 500	CF 750	CF 1000	CF 1500	CF	% RSD
2,4,5-T	26654600000	22537700000	21523600000	21039200000	19992000000	22349400000	12
2,4,5-TP(Silvex)	30373300000	24973400000	23533400000	22714000000	21490700000	24616900000	14
2,4-D	5421790000	4357790000	4143530000	4048250000	3895280000	4373330000	14
2,4-DB	3958090000	3446260000	3373160000	3385980000	3356080000	3503910000	7
2,4-DCAA	5145720000	4057020000	3830810000	3692630000	3535940000	4052420000	16
DICAMBA	20964400000	17146300000	16619900000	16172600000	15526100000	17285900000	12
DICHLORPROP	5206190000	4130820000	3894460000	3783800000	3645610000	4132180000	15
Dinoseb	23156800000	18828100000	17672200000	17195900000	16380800000	18646800000	14

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2150 **SAS No.:** Q2150 **SDG NO.:** Q2150

Instrument ID: ECD_S

Calibration Date(s): 06/02/2025 06/02/2025

Calibration Times: 09:13 10:49

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

LAB FILE ID: **CF 200 =** PS030437.D **CF 500 =** PS030438.D

CF 750 = PS030439.D **CF 1000 =** PS030440.D **CF 1500 =** PS030441.D

COMPOUND	CF 200	CF 500	CF 750	CF 1000	CF 1500	CF	% RSD
2,4,5-T	16810500000	14903600000	14395300000	14103000000	13612500000	14765000000	8
2,4,5-TP(Silvex)	18734600000	16594300000	15960100000	15600700000	14942200000	16366400000	9
2,4-D	2390000000	2028250000	1963060000	1944330000	1916400000	2048410000	10
2,4-DB	1560720000	1342350000	1316050000	1328560000	1324320000	1374400000	8
2,4-DCAA	1474050000	1257260000	1220920000	1210210000	1199880000	1272460000	9
DICAMBA	8659020000	7825580000	7740450000	7710310000	7614570000	7909980000	5
DICHLORPROP	2204770000	1892240000	1801270000	1778540000	1750450000	1885450000	10
Dinoseb	13001900000	11375000000	10900700000	10837000000	10570200000	11337000000	9

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RETENTION TIMES OF INITIAL CALIBRATION

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2150 **SAS No.:** Q2150 **SDG NO.:** Q2150

Instrument ID: ECD_S **Calibration Date(s):** 06/04/2025 06/04/2025

Calibration Times: 11:19 12:55

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

LAB FILE ID: RT 200 = PS030476.D RT 500 = PS030477.D

RT 750 = PS030478.D RT 1000 = PS030479.D RT 1500 = PS030480.D

COMPOUND	RT 200	RT 500	RT 750	RT 1000	RT 1500	MEAN RT	RT WINDOW FROM	RT WINDOW TO
2,4,5-T	9.70	9.70	9.70	9.70	9.70	9.70	9.60	9.80
2,4,5-TP(Silvex)	9.40	9.40	9.40	9.40	9.40	9.40	9.30	9.50
2,4-D	8.51	8.51	8.51	8.51	8.51	8.51	8.41	8.61
2,4-DB	10.28	10.28	10.28	10.28	10.28	10.28	10.18	10.38
2,4-DCAA	7.37	7.37	7.37	7.37	7.37	7.37	7.27	7.47
DICAMBA	7.56	7.56	7.56	7.56	7.56	7.56	7.46	7.66
DICHLORPROP	8.28	8.28	8.28	8.28	8.28	8.28	8.18	8.38
Dinoseb	11.50	11.50	11.50	11.50	11.50	11.50	11.40	11.60

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RETENTION TIMES OF INITIAL CALIBRATION

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2150 **SAS No.:** Q2150 **SDG NO.:** Q2150

Instrument ID: ECD_S **Calibration Date(s):** 06/04/2025 06/04/2025

Calibration Times: 11:19 12:55

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

LAB FILE ID: RT 200 = PS030476.D RT 500 = PS030477.D

RT 750 = PS030478.D RT 1000 = PS030479.D RT 1500 = PS030480.D

COMPOUND	RT 200	RT 500	RT 750	RT 1000	RT 1500	MEAN RT	RT WINDOW FROM	RT WINDOW TO
2,4,5-T	10.37	10.37	10.37	10.37	10.37	10.37	10.27	10.47
2,4,5-TP(Silvex)	9.94	9.94	9.94	9.94	9.94	9.94	9.84	10.04
2,4-D	9.03	9.03	9.03	9.04	9.04	9.03	8.93	9.13
2,4-DB	10.94	10.94	10.94	10.94	10.94	10.94	10.84	11.04
2,4-DCAA	7.77	7.77	7.77	7.77	7.77	7.77	7.67	7.87
DICAMBA	7.98	7.98	7.98	7.98	7.98	7.98	7.88	8.08
DICHLORPROP	8.70	8.70	8.70	8.70	8.70	8.70	8.60	8.80
Dinoseb	11.32	11.32	11.32	11.32	11.32	11.32	11.22	11.42

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2150 **SAS No.:** Q2150 **SDG NO.:** Q2150

Instrument ID: ECD_S

Calibration Date(s): 06/04/2025 06/04/2025

Calibration Times: 11:19 12:55

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

LAB FILE ID: **CF 200 =** PS030476.D **CF 500 =** PS030477.D

CF 750 = PS030478.D **CF 1000 =** PS030479.D **CF 1500 =** PS030480.D

COMPOUND	CF 200	CF 500	CF 750	CF 1000	CF 1500	CF	% RSD
2,4,5-T	20110200000	18445100000	18262000000	18165800000	17172200000	18431100000	6
2,4,5-TP(Silvex)	23444500000	20930200000	20252400000	19918900000	18779400000	20665100000	8
2,4-D	4208920000	3650560000	3531620000	3494410000	3332550000	3643610000	9
2,4-DB	3187030000	2969900000	2987600000	3055150000	2982130000	3036360000	3
2,4-DCAA	4505990000	3745160000	3587820000	3627070000	3409690000	3775150000	11
DICAMBA	17545300000	15532100000	14992100000	14866500000	14176500000	15422500000	8
DICHLORPROP	4363010000	3637540000	3480040000	3430450000	3279680000	3638150000	12
Dinoseb	16280300000	14486300000	14010300000	13907800000	13190000000	14374900000	8

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2150 **SAS No.:** Q2150 **SDG NO.:** Q2150

Instrument ID: ECD_S

Calibration Date(s): 06/04/2025 06/04/2025

Calibration Times: 11:19 12:55

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

LAB FILE ID: **CF 200 =** PS030476.D **CF 500 =** PS030477.D

CF 750 = PS030478.D **CF 1000 =** PS030479.D **CF 1500 =** PS030480.D

COMPOUND	CF 200	CF 500	CF 750	CF 1000	CF 1500	CF	% RSD
2,4,5-T	14777200000	13128600000	12724600000	12611900000	12043300000	13057100000	8
2,4,5-TP(Silvex)	15627400000	13837500000	13337200000	13203400000	12578300000	13716700000	8
2,4-D	1858730000	1575260000	1504430000	1488570000	1434610000	1572320000	11
2,4-DB	1329650000	1149370000	1105700000	1098150000	1064880000	1149550000	9
2,4-DCAA	1341960000	1066160000	1011260000	997042000	961634000	1075610000	14
DICAMBA	7190560000	6384370000	6250780000	6263160000	6119370000	6441650000	7
DICHLORPROP	1789880000	1480180000	1413150000	1395780000	1342020000	1484200000	12
Dinoseb	11251500000	10033800000	9761280000	9784360000	9419650000	10050100000	7

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2150 **SAS No.:** Q2150 **SDG NO.:** Q2150

Continuing Calib Date: 06/02/2025 **Initial Calibration Date(s):** 06/02/2025 06/02/2025

Continuing Calib Time: 18:10 **Initial Calibration Time(s):** 09:13 10:49

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	6.90	6.90	6.80	7.00	0.00
2,4-DCAA	6.73	6.73	6.63	6.83	0.00
DICHLORPROP	7.57	7.57	7.47	7.67	0.00
2,4-D	7.79	7.79	7.69	7.89	0.01
2,4,5-TP(Silvex)	8.61	8.61	8.51	8.71	0.00
2,4,5-T	8.88	8.89	8.79	8.99	0.01
2,4-DB	9.43	9.43	9.33	9.53	0.00
Dinoseb	10.57	10.57	10.47	10.67	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2150 **SAS No.:** Q2150 **SDG NO.:** Q2150

Continuing Calib Date: 06/02/2025 **Initial Calibration Date(s):** 06/02/2025 06/02/2025

Continuing Calib Time: 18:10 **Initial Calibration Time(s):** 09:13 10:49

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.48	7.48	7.38	7.58	0.00
2,4-DCAA	7.30	7.30	7.20	7.40	0.00
DICHLORPROP	8.17	8.17	8.07	8.27	0.00
2,4-D	8.48	8.48	8.38	8.58	0.00
2,4,5-TP(Silvex)	9.34	9.35	9.25	9.45	0.01
2,4,5-T	9.74	9.75	9.65	9.85	0.01
2,4-DB	10.30	10.30	10.20	10.40	0.00
Dinoseb	10.66	10.67	10.57	10.77	0.01

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2150 **SAS No.:** Q2150 **SDG NO.:** Q2150

GC Column: RTX-CLP **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 06/02/2025 06/02/2025

Client Sample No.: CCAL01 **Date Analyzed:** 06/02/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS030456.D **Time Analyzed:** 18:10

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	8.884	8.785	8.985	711.700	712.500	-0.1
2,4,5-TP(Silvex)	8.608	8.509	8.709	699.100	712.500	-1.9
2,4-D	7.785	7.685	7.885	691.520	705.000	-1.9
2,4-DB	9.433	9.334	9.534	735.550	712.500	3.2
2,4-DCAA	6.732	6.633	6.833	721.540	750.000	-3.8
DICAMBA	6.904	6.803	7.003	690.790	705.000	-2.0
DICHLORPROP	7.570	7.470	7.670	681.540	705.000	-3.3
Dinoseb	10.573	10.474	10.674	677.420	705.000	-3.9

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2150 **SAS No.:** Q2150 **SDG NO.:** Q2150

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 06/02/2025 06/02/2025

Client Sample No.: CCAL01 **Date Analyzed:** 06/02/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS030456.D **Time Analyzed:** 18:10

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.743	9.645	9.845	712.480	712.500	0.0
2,4,5-TP(Silvex)	9.343	9.245	9.445	710.870	712.500	-0.2
2,4-D	8.475	8.376	8.576	694.340	705.000	-1.5
2,4-DB	10.296	10.197	10.397	698.450	712.500	-2.0
2,4-DCAA	7.301	7.202	7.402	741.240	750.000	-1.2
DICAMBA	7.482	7.383	7.583	708.370	705.000	0.5
DICHLORPROP	8.167	8.068	8.268	695.540	705.000	-1.3
Dinoseb	10.664	10.565	10.765	683.460	705.000	-3.1

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2150 **SAS No.:** Q2150 **SDG NO.:** Q2150

Continuing Calib Date: 06/02/2025 **Initial Calibration Date(s):** 06/02/2025 06/02/2025

Continuing Calib Time: 22:35 **Initial Calibration Time(s):** 09:13 10:49

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	6.90	6.90	6.80	7.00	0.00
2,4-DCAA	6.73	6.73	6.63	6.83	0.00
DICHLORPROP	7.57	7.57	7.47	7.67	0.00
2,4-D	7.79	7.79	7.69	7.89	0.01
2,4,5-TP(Silvex)	8.61	8.61	8.51	8.71	0.00
2,4,5-T	8.88	8.89	8.79	8.99	0.01
2,4-DB	9.43	9.43	9.33	9.53	0.00
Dinoseb	10.57	10.57	10.47	10.67	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2150 **SAS No.:** Q2150 **SDG NO.:** Q2150

Continuing Calib Date: 06/02/2025 **Initial Calibration Date(s):** 06/02/2025 06/02/2025

Continuing Calib Time: 22:35 **Initial Calibration Time(s):** 09:13 10:49

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.48	7.48	7.38	7.58	0.00
2,4-DCAA	7.30	7.30	7.20	7.40	0.00
DICHLORPROP	8.17	8.17	8.07	8.27	0.00
2,4-D	8.48	8.48	8.38	8.58	0.00
2,4,5-TP(Silvex)	9.34	9.35	9.25	9.45	0.01
2,4,5-T	9.74	9.75	9.65	9.85	0.01
2,4-DB	10.30	10.30	10.20	10.40	0.00
Dinoseb	10.66	10.67	10.57	10.77	0.01

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2150 **SAS No.:** Q2150 **SDG NO.:** Q2150

GC Column: RTX-CLP **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 06/02/2025 06/02/2025

Client Sample No.: CCAL02 **Date Analyzed:** 06/02/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS030467.D **Time Analyzed:** 22:35

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	8.883	8.785	8.985	714.810	712.500	0.3
2,4,5-TP(Silvex)	8.608	8.509	8.709	700.540	712.500	-1.7
2,4-D	7.785	7.685	7.885	693.760	705.000	-1.6
2,4-DB	9.432	9.334	9.534	737.030	712.500	3.4
2,4-DCAA	6.732	6.633	6.833	723.490	750.000	-3.5
DICAMBA	6.903	6.803	7.003	692.130	705.000	-1.8
DICHLORPROP	7.569	7.470	7.670	682.100	705.000	-3.2
Dinoseb	10.571	10.474	10.674	682.660	705.000	-3.2

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2150 **SAS No.:** Q2150 **SDG NO.:** Q2150

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 06/02/2025 06/02/2025

Client Sample No.: CCAL02 **Date Analyzed:** 06/02/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS030467.D **Time Analyzed:** 22:35

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.743	9.645	9.845	711.940	712.500	-0.1
2,4,5-TP(Silvex)	9.343	9.245	9.445	709.200	712.500	-0.5
2,4-D	8.475	8.376	8.576	695.710	705.000	-1.3
2,4-DB	10.295	10.197	10.397	701.530	712.500	-1.5
2,4-DCAA	7.301	7.202	7.402	738.810	750.000	-1.5
DICAMBA	7.482	7.383	7.583	706.810	705.000	0.3
DICHLORPROP	8.167	8.068	8.268	702.350	705.000	-0.4
Dinoseb	10.663	10.565	10.765	685.830	705.000	-2.7

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2150 **SAS No.:** Q2150 **SDG NO.:** Q2150

Continuing Calib Date: 06/03/2025 **Initial Calibration Date(s):** 06/02/2025 06/02/2025

Continuing Calib Time: 00:59 **Initial Calibration Time(s):** 09:13 10:49

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	6.90	6.90	6.80	7.00	0.00
2,4-DCAA	6.73	6.73	6.63	6.83	0.00
DICHLORPROP	7.57	7.57	7.47	7.67	0.00
2,4-D	7.78	7.79	7.69	7.89	0.01
2,4,5-TP(Silvex)	8.61	8.61	8.51	8.71	0.00
2,4,5-T	8.88	8.89	8.79	8.99	0.01
2,4-DB	9.43	9.43	9.33	9.53	0.00
Dinoseb	10.57	10.57	10.47	10.67	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2150 **SAS No.:** Q2150 **SDG NO.:** Q2150

Continuing Calib Date: 06/03/2025 **Initial Calibration Date(s):** 06/02/2025 06/02/2025

Continuing Calib Time: 00:59 **Initial Calibration Time(s):** 09:13 10:49

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.48	7.48	7.38	7.58	0.00
2,4-DCAA	7.30	7.30	7.20	7.40	0.00
DICHLORPROP	8.17	8.17	8.07	8.27	0.00
2,4-D	8.48	8.48	8.38	8.58	0.00
2,4,5-TP(Silvex)	9.34	9.35	9.25	9.45	0.01
2,4,5-T	9.74	9.75	9.65	9.85	0.01
2,4-DB	10.30	10.30	10.20	10.40	0.00
Dinoseb	10.66	10.67	10.57	10.77	0.01

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2150 **SAS No.:** Q2150 **SDG NO.:** Q2150

GC Column: RTX-CLP **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 06/02/2025 06/02/2025

Client Sample No.: CCAL03 **Date Analyzed:** 06/03/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS030473.D **Time Analyzed:** 00:59

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	8.884	8.785	8.985	719.320	712.500	1.0
2,4,5-TP(Silvex)	8.607	8.509	8.709	703.280	712.500	-1.3
2,4-D	7.784	7.685	7.885	699.740	705.000	-0.7
2,4-DB	9.432	9.334	9.534	745.590	712.500	4.6
2,4-DCAA	6.733	6.633	6.833	724.260	750.000	-3.4
DICAMBA	6.903	6.803	7.003	693.600	705.000	-1.6
DICHLORPROP	7.569	7.470	7.670	684.280	705.000	-2.9
Dinoseb	10.572	10.474	10.674	687.260	705.000	-2.5

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2150 **SAS No.:** Q2150 **SDG NO.:** Q2150

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 06/02/2025 06/02/2025

Client Sample No.: CCAL03 **Date Analyzed:** 06/03/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS030473.D **Time Analyzed:** 00:59

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.743	9.645	9.845	724.500	712.500	1.7
2,4,5-TP(Silvex)	9.343	9.245	9.445	718.510	712.500	0.8
2,4-D	8.475	8.376	8.576	705.970	705.000	0.1
2,4-DB	10.295	10.197	10.397	712.370	712.500	0.0
2,4-DCAA	7.301	7.202	7.402	746.250	750.000	-0.5
DICAMBA	7.481	7.383	7.583	714.410	705.000	1.3
DICHLORPROP	8.166	8.068	8.268	700.070	705.000	-0.7
Dinoseb	10.663	10.565	10.765	700.530	705.000	-0.6

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2150 **SAS No.:** Q2150 **SDG NO.:** Q2150

Continuing Calib Date: 06/04/2025 **Initial Calibration Date(s):** 06/04/2025 06/04/2025

Continuing Calib Time: 14:23 **Initial Calibration Time(s):** 11:19 12:55

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.56	7.56	7.46	7.66	0.00
2,4-DCAA	7.37	7.37	7.27	7.47	0.00
DICHLORPROP	8.28	8.28	8.18	8.38	0.00
2,4-D	8.51	8.51	8.41	8.61	0.00
2,4,5-TP(Silvex)	9.40	9.40	9.30	9.50	0.00
2,4,5-T	9.70	9.70	9.60	9.80	0.00
2,4-DB	10.28	10.28	10.18	10.38	0.00
Dinoseb	11.50	11.50	11.40	11.60	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2150 **SAS No.:** Q2150 **SDG NO.:** Q2150

Continuing Calib Date: 06/04/2025 **Initial Calibration Date(s):** 06/04/2025 06/04/2025

Continuing Calib Time: 14:23 **Initial Calibration Time(s):** 11:19 12:55

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.98	7.98	7.88	8.08	0.00
2,4-DCAA	7.77	7.77	7.67	7.87	0.00
DICHLORPROP	8.70	8.70	8.60	8.80	0.00
2,4-D	9.03	9.03	8.93	9.13	0.00
2,4,5-TP(Silvex)	9.94	9.94	9.84	10.04	0.00
2,4,5-T	10.37	10.37	10.27	10.47	0.00
2,4-DB	10.94	10.94	10.84	11.04	0.00
Dinoseb	11.32	11.32	11.22	11.42	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2150 **SAS No.:** Q2150 **SDG NO.:** Q2150

GC Column: RTX-CLP **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 06/04/2025 06/04/2025

Client Sample No.: CCAL04 **Date Analyzed:** 06/04/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS030483.D **Time Analyzed:** 14:23

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.697	9.597	9.797	708.550	712.500	-0.6
2,4,5-TP(Silvex)	9.401	9.304	9.504	703.720	712.500	-1.2
2,4-D	8.509	8.412	8.612	686.470	705.000	-2.6
2,4-DB	10.276	10.179	10.379	703.340	712.500	-1.3
2,4-DCAA	7.367	7.269	7.469	725.390	750.000	-3.3
DICAMBA	7.560	7.461	7.661	694.190	705.000	-1.5
DICHLORPROP	8.276	8.179	8.379	677.610	705.000	-3.9
Dinoseb	11.500	11.402	11.602	693.920	705.000	-1.6

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2150 **SAS No.:** Q2150 **SDG NO.:** Q2150

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 06/04/2025 06/04/2025

Client Sample No.: CCAL04 **Date Analyzed:** 06/04/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS030483.D **Time Analyzed:** 14:23

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	10.367	10.268	10.468	690.040	712.500	-3.2
2,4,5-TP(Silvex)	9.941	9.842	10.042	686.650	712.500	-3.6
2,4-D	9.033	8.934	9.134	674.550	705.000	-4.3
2,4-DB	10.935	10.836	11.036	678.160	712.500	-4.8
2,4-DCAA	7.773	7.674	7.874	700.400	750.000	-6.6
DICAMBA	7.977	7.877	8.077	680.500	705.000	-3.5
DICHLORPROP	8.697	8.598	8.798	672.350	705.000	-4.6
Dinoseb	11.321	11.221	11.421	684.430	705.000	-2.9

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2150 **SAS No.:** Q2150 **SDG NO.:** Q2150

Continuing Calib Date: 06/04/2025 **Initial Calibration Date(s):** 06/04/2025 06/04/2025

Continuing Calib Time: 16:50 **Initial Calibration Time(s):** 11:19 12:55

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.56	7.56	7.46	7.66	0.00
2,4-DCAA	7.37	7.37	7.27	7.47	0.00
DICHLORPROP	8.28	8.28	8.18	8.38	0.01
2,4-D	8.51	8.51	8.41	8.61	0.00
2,4,5-TP(Silvex)	9.40	9.40	9.30	9.50	0.00
2,4,5-T	9.69	9.70	9.60	9.80	0.01
2,4-DB	10.28	10.28	10.18	10.38	0.01
Dinoseb	11.50	11.50	11.40	11.60	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2150 **SAS No.:** Q2150 **SDG NO.:** Q2150

Continuing Calib Date: 06/04/2025 **Initial Calibration Date(s):** 06/04/2025 06/04/2025

Continuing Calib Time: 16:50 **Initial Calibration Time(s):** 11:19 12:55

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.98	7.98	7.88	8.08	0.00
2,4-DCAA	7.77	7.77	7.67	7.87	0.00
DICHLORPROP	8.70	8.70	8.60	8.80	0.00
2,4-D	9.03	9.03	8.93	9.13	0.00
2,4,5-TP(Silvex)	9.94	9.94	9.84	10.04	0.00
2,4,5-T	10.37	10.37	10.27	10.47	0.00
2,4-DB	10.93	10.94	10.84	11.04	0.01
Dinoseb	11.32	11.32	11.22	11.42	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2150 **SAS No.:** Q2150 **SDG NO.:** Q2150

GC Column: RTX-CLP **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 06/04/2025 06/04/2025

Client Sample No.: CCAL05 **Date Analyzed:** 06/04/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS030489.D **Time Analyzed:** 16:50

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.694	9.597	9.797	707.360	712.500	-0.7
2,4,5-TP(Silvex)	9.400	9.304	9.504	701.500	712.500	-1.5
2,4-D	8.508	8.412	8.612	688.650	705.000	-2.3
2,4-DB	10.275	10.179	10.379	711.140	712.500	-0.2
2,4-DCAA	7.366	7.269	7.469	719.780	750.000	-4.0
DICAMBA	7.558	7.461	7.661	694.210	705.000	-1.5
DICHLORPROP	8.275	8.179	8.379	678.650	705.000	-3.7
Dinoseb	11.498	11.402	11.602	681.220	705.000	-3.4

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2150 **SAS No.:** Q2150 **SDG NO.:** Q2150

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 06/04/2025 06/04/2025

Client Sample No.: CCAL05 **Date Analyzed:** 06/04/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS030489.D **Time Analyzed:** 16:50

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	10.367	10.268	10.468	697.940	712.500	-2.0
2,4,5-TP(Silvex)	9.940	9.842	10.042	690.320	712.500	-3.1
2,4-D	9.033	8.934	9.134	680.340	705.000	-3.5
2,4-DB	10.934	10.836	11.036	685.670	712.500	-3.8
2,4-DCAA	7.773	7.674	7.874	712.640	750.000	-5.0
DICAMBA	7.977	7.877	8.077	688.840	705.000	-2.3
DICHLORPROP	8.697	8.598	8.798	670.150	705.000	-4.9
Dinoseb	11.320	11.221	11.421	676.820	705.000	-4.0

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2150 **SAS No.:** Q2150 **SDG NO.:** Q2150

Continuing Calib Date: 06/09/2025 **Initial Calibration Date(s):** 06/04/2025 06/04/2025

Continuing Calib Time: 17:46 **Initial Calibration Time(s):** 11:19 12:55

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.55	7.56	7.46	7.66	0.01
2,4-DCAA	7.36	7.37	7.27	7.47	0.01
DICHLORPROP	8.27	8.28	8.18	8.38	0.01
2,4-D	8.50	8.51	8.41	8.61	0.01
2,4,5-TP(Silvex)	9.39	9.40	9.30	9.50	0.01
2,4,5-T	9.69	9.70	9.60	9.80	0.01
2,4-DB	10.26	10.28	10.18	10.38	0.02
Dinoseb	11.49	11.50	11.40	11.60	0.01

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2150 **SAS No.:** Q2150 **SDG NO.:** Q2150

Continuing Calib Date: 06/09/2025 **Initial Calibration Date(s):** 06/04/2025 06/04/2025

Continuing Calib Time: 17:46 **Initial Calibration Time(s):** 11:19 12:55

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.97	7.98	7.88	8.08	0.01
2,4-DCAA	7.77	7.77	7.67	7.87	0.00
DICHLORPROP	8.69	8.70	8.60	8.80	0.01
2,4-D	9.03	9.03	8.93	9.13	0.00
2,4,5-TP(Silvex)	9.94	9.94	9.84	10.04	0.00
2,4,5-T	10.36	10.37	10.27	10.47	0.01
2,4-DB	10.93	10.94	10.84	11.04	0.01
Dinoseb	11.32	11.32	11.22	11.42	0.01

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2150 **SAS No.:** Q2150 **SDG NO.:** Q2150

GC Column: RTX-CLP **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 06/04/2025 06/04/2025

Client Sample No.: CCAL06 **Date Analyzed:** 06/09/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS030575.D **Time Analyzed:** 17:46

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.685	9.597	9.797	689.350	712.500	-3.2
2,4,5-TP(Silvex)	9.390	9.304	9.504	721.350	712.500	1.2
2,4-D	8.500	8.412	8.612	682.250	705.000	-3.2
2,4-DB	10.264	10.179	10.379	633.500	712.500	-11.1
2,4-DCAA	7.360	7.269	7.469	740.450	750.000	-1.3
DICAMBA	7.552	7.461	7.661	726.990	705.000	3.1
DICHLORPROP	8.267	8.179	8.379	700.270	705.000	-0.7
Dinoseb	11.486	11.402	11.602	705.860	705.000	0.1

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2150 **SAS No.:** Q2150 **SDG NO.:** Q2150

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 06/04/2025 06/04/2025

Client Sample No.: CCAL06 **Date Analyzed:** 06/09/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS030575.D **Time Analyzed:** 17:46

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	10.361	10.268	10.468	708.570	712.500	-0.6
2,4,5-TP(Silvex)	9.935	9.842	10.042	715.680	712.500	0.4
2,4-D	9.028	8.934	9.134	699.240	705.000	-0.8
2,4-DB	10.928	10.836	11.036	687.130	712.500	-3.6
2,4-DCAA	7.769	7.674	7.874	720.580	750.000	-3.9
DICAMBA	7.973	7.877	8.077	704.220	705.000	-0.1
DICHLORPROP	8.693	8.598	8.798	698.740	705.000	-0.9
Dinoseb	11.315	11.221	11.421	708.580	705.000	0.5

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2150 **SAS No.:** Q2150 **SDG NO.:** Q2150

Continuing Calib Date: 06/09/2025 **Initial Calibration Date(s):** 06/04/2025 06/04/2025

Continuing Calib Time: 19:53 **Initial Calibration Time(s):** 11:19 12:55

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.55	7.56	7.46	7.66	0.01
2,4-DCAA	7.36	7.37	7.27	7.47	0.01
DICHLORPROP	8.27	8.28	8.18	8.38	0.01
2,4-D	8.50	8.51	8.41	8.61	0.01
2,4,5-TP(Silvex)	9.39	9.40	9.30	9.50	0.01
2,4,5-T	9.68	9.70	9.60	9.80	0.02
2,4-DB	10.26	10.28	10.18	10.38	0.02
Dinoseb	11.49	11.50	11.40	11.60	0.01

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2150 **SAS No.:** Q2150 **SDG NO.:** Q2150

Continuing Calib Date: 06/09/2025 **Initial Calibration Date(s):** 06/04/2025 06/04/2025

Continuing Calib Time: 19:53 **Initial Calibration Time(s):** 11:19 12:55

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.97	7.98	7.88	8.08	0.01
2,4-DCAA	7.77	7.77	7.67	7.87	0.00
DICHLORPROP	8.69	8.70	8.60	8.80	0.01
2,4-D	9.03	9.03	8.93	9.13	0.00
2,4,5-TP(Silvex)	9.94	9.94	9.84	10.04	0.00
2,4,5-T	10.36	10.37	10.27	10.47	0.01
2,4-DB	10.93	10.94	10.84	11.04	0.01
Dinoseb	11.31	11.32	11.22	11.42	0.01

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2150 **SAS No.:** Q2150 **SDG NO.:** Q2150

GC Column: RTX-CLP **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 06/04/2025 06/04/2025

Client Sample No.: CCAL07 **Date Analyzed:** 06/09/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS030580.D **Time Analyzed:** 19:53

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.684	9.597	9.797	698.110	712.500	-2.0
2,4,5-TP(Silvex)	9.390	9.304	9.504	724.120	712.500	1.6
2,4-D	8.499	8.412	8.612	689.840	705.000	-2.2
2,4-DB	10.264	10.179	10.379	649.610	712.500	-8.8
2,4-DCAA	7.360	7.269	7.469	732.930	750.000	-2.3
DICAMBA	7.552	7.461	7.661	729.450	705.000	3.5
DICHLORPROP	8.268	8.179	8.379	700.780	705.000	-0.6
Dinoseb	11.486	11.402	11.602	716.830	705.000	1.7

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2150 **SAS No.:** Q2150 **SDG NO.:** Q2150

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 06/04/2025 06/04/2025

Client Sample No.: CCAL07 **Date Analyzed:** 06/09/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS030580.D **Time Analyzed:** 19:53

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	10.361	10.268	10.468	710.000	712.500	-0.4
2,4,5-TP(Silvex)	9.935	9.842	10.042	715.970	712.500	0.5
2,4-D	9.028	8.934	9.134	701.870	705.000	-0.4
2,4-DB	10.928	10.836	11.036	686.990	712.500	-3.6
2,4-DCAA	7.769	7.674	7.874	723.920	750.000	-3.5
DICAMBA	7.973	7.877	8.077	709.970	705.000	0.7
DICHLORPROP	8.693	8.598	8.798	701.790	705.000	-0.5
Dinoseb	11.314	11.221	11.421	712.940	705.000	1.1

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2150 **SAS No.:** Q2150 **SDG NO.:** Q2150

Continuing Calib Date: 06/11/2025 **Initial Calibration Date(s):** 06/04/2025 06/04/2025

Continuing Calib Time: 09:10 **Initial Calibration Time(s):** 11:19 12:55

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.55	7.56	7.46	7.66	0.01
2,4-DCAA	7.36	7.37	7.27	7.47	0.01
DICHLORPROP	8.26	8.28	8.18	8.38	0.02
2,4-D	8.50	8.51	8.41	8.61	0.01
2,4,5-TP(Silvex)	9.39	9.40	9.30	9.50	0.01
2,4,5-T	9.68	9.70	9.60	9.80	0.02
2,4-DB	10.26	10.28	10.18	10.38	0.02
Dinoseb	11.48	11.50	11.40	11.60	0.02

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2150 **SAS No.:** Q2150 **SDG NO.:** Q2150

Continuing Calib Date: 06/11/2025 **Initial Calibration Date(s):** 06/04/2025 06/04/2025

Continuing Calib Time: 09:10 **Initial Calibration Time(s):** 11:19 12:55

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.97	7.98	7.88	8.08	0.01
2,4-DCAA	7.77	7.77	7.67	7.87	0.00
DICHLORPROP	8.69	8.70	8.60	8.80	0.01
2,4-D	9.03	9.03	8.93	9.13	0.00
2,4,5-TP(Silvex)	9.93	9.94	9.84	10.04	0.01
2,4,5-T	10.36	10.37	10.27	10.47	0.01
2,4-DB	10.93	10.94	10.84	11.04	0.01
Dinoseb	11.31	11.32	11.22	11.42	0.01

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2150 **SAS No.:** Q2150 **SDG NO.:** Q2150

GC Column: RTX-CLP **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 06/04/2025 06/04/2025

Client Sample No.: CCAL08 **Date Analyzed:** 06/11/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS030621.D **Time Analyzed:** 09:10

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.680	9.597	9.797	700.660	712.500	-1.7
2,4,5-TP(Silvex)	9.386	9.304	9.504	736.560	712.500	3.4
2,4-D	8.496	8.412	8.612	691.670	705.000	-1.9
2,4-DB	10.259	10.179	10.379	643.460	712.500	-9.7
2,4-DCAA	7.356	7.269	7.469	737.450	750.000	-1.7
DICAMBA	7.549	7.461	7.661	744.120	705.000	5.5
DICHLORPROP	8.264	8.179	8.379	713.190	705.000	1.2
Dinoseb	11.481	11.402	11.602	718.070	705.000	1.9

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2150 **SAS No.:** Q2150 **SDG NO.:** Q2150

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 06/04/2025 06/04/2025

Client Sample No.: CCAL08 **Date Analyzed:** 06/11/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS030621.D **Time Analyzed:** 09:10

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	10.359	10.268	10.468	750.020	712.500	5.3
2,4,5-TP(Silvex)	9.932	9.842	10.042	754.780	712.500	5.9
2,4-D	9.026	8.934	9.134	740.500	705.000	5.0
2,4-DB	10.925	10.836	11.036	732.100	712.500	2.8
2,4-DCAA	7.768	7.674	7.874	751.350	750.000	0.2
DICAMBA	7.971	7.877	8.077	750.620	705.000	6.5
DICHLORPROP	8.691	8.598	8.798	728.610	705.000	3.3
Dinoseb	11.311	11.221	11.421	752.930	705.000	6.8

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2150 **SAS No.:** Q2150 **SDG NO.:** Q2150

Continuing Calib Date: 06/11/2025 **Initial Calibration Date(s):** 06/04/2025 06/04/2025

Continuing Calib Time: 15:32 **Initial Calibration Time(s):** 11:19 12:55

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.55	7.56	7.46	7.66	0.01
2,4-DCAA	7.36	7.37	7.27	7.47	0.01
DICHLORPROP	8.26	8.28	8.18	8.38	0.02
2,4-D	8.50	8.51	8.41	8.61	0.01
2,4,5-TP(Silvex)	9.39	9.40	9.30	9.50	0.01
2,4,5-T	9.68	9.70	9.60	9.80	0.02
2,4-DB	10.26	10.28	10.18	10.38	0.02
Dinoseb	11.48	11.50	11.40	11.60	0.02

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2150 **SAS No.:** Q2150 **SDG NO.:** Q2150

Continuing Calib Date: 06/11/2025 **Initial Calibration Date(s):** 06/04/2025 06/04/2025

Continuing Calib Time: 15:32 **Initial Calibration Time(s):** 11:19 12:55

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.97	7.98	7.88	8.08	0.01
2,4-DCAA	7.77	7.77	7.67	7.87	0.01
DICHLORPROP	8.69	8.70	8.60	8.80	0.01
2,4-D	9.02	9.03	8.93	9.13	0.01
2,4,5-TP(Silvex)	9.93	9.94	9.84	10.04	0.01
2,4,5-T	10.36	10.37	10.27	10.47	0.01
2,4-DB	10.92	10.94	10.84	11.04	0.02
Dinoseb	11.31	11.32	11.22	11.42	0.01

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2150 **SAS No.:** Q2150 **SDG NO.:** Q2150

GC Column: RTX-CLP **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 06/04/2025 06/04/2025

Client Sample No.: CCAL09 **Date Analyzed:** 06/11/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS030630.D **Time Analyzed:** 15:32

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.681	9.597	9.797	676.850	712.500	-5.0
2,4,5-TP(Silvex)	9.387	9.304	9.504	708.950	712.500	-0.5
2,4-D	8.497	8.412	8.612	682.320	705.000	-3.2
2,4-DB	10.261	10.179	10.379	625.670	712.500	-12.2
2,4-DCAA	7.357	7.269	7.469	709.420	750.000	-5.4
DICAMBA	7.548	7.461	7.661	710.810	705.000	0.8
DICHLORPROP	8.264	8.179	8.379	679.350	705.000	-3.6
Dinoseb	11.482	11.402	11.602	690.760	705.000	-2.0

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2150 **SAS No.:** Q2150 **SDG NO.:** Q2150

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 06/04/2025 06/04/2025

Client Sample No.: CCAL09 **Date Analyzed:** 06/11/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS030630.D **Time Analyzed:** 15:32

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	10.357	10.268	10.468	722.370	712.500	1.4
2,4,5-TP(Silvex)	9.931	9.842	10.042	724.770	712.500	1.7
2,4-D	9.023	8.934	9.134	714.950	705.000	1.4
2,4-DB	10.924	10.836	11.036	701.440	712.500	-1.6
2,4-DCAA	7.765	7.674	7.874	726.420	750.000	-3.1
DICAMBA	7.968	7.877	8.077	715.390	705.000	1.5
DICHLORPROP	8.688	8.598	8.798	694.620	705.000	-1.5
Dinoseb	11.310	11.221	11.421	720.260	705.000	2.2

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Analytical Sequence

Client: CDM Smith **SDG No.:** Q2150

Project: South River WM Replacement **Instrument ID:** ECD_S

GC Column: RTX-CLP **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 06/02/2025 06/02/2025

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

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCAA RT #	RT #
I.BLK	I.BLK	06/02/2025	08:49	PS030436.D	6.73	0.00
HSTDICC200	HSTDICC200	06/02/2025	09:13	PS030437.D	6.73	0.00
HSTDICC500	HSTDICC500	06/02/2025	09:37	PS030438.D	6.73	0.00
HSTDICC750	HSTDICC750	06/02/2025	10:01	PS030439.D	6.73	0.00
HSTDICC1000	HSTDICC1000	06/02/2025	10:25	PS030440.D	6.73	0.00
HSTDICC1500	HSTDICC1500	06/02/2025	10:49	PS030441.D	6.73	0.00
I.BLK	I.BLK	06/02/2025	17:46	PS030455.D	6.73	0.00
HSTDCCC750	HSTDCCC750	06/02/2025	18:10	PS030456.D	6.73	0.00
TP-44	Q2150-01	06/02/2025	19:46	PS030460.D	6.73	0.00
TP-42	Q2150-02	06/02/2025	20:11	PS030461.D	6.73	0.00
TP-39	Q2150-03	06/02/2025	20:35	PS030462.D	6.73	0.00
TP-48	Q2150-04	06/02/2025	20:59	PS030463.D	6.73	0.00
TP-47	Q2150-05	06/02/2025	21:23	PS030464.D	6.73	0.00
I.BLK	I.BLK	06/02/2025	22:11	PS030466.D	6.73	0.00
HSTDCCC750	HSTDCCC750	06/02/2025	22:35	PS030467.D	6.73	0.00
TP-51	Q2150-07	06/02/2025	22:59	PS030468.D	6.73	0.00
TP-52	Q2150-08	06/02/2025	23:23	PS030469.D	6.73	0.00
TP-54	Q2150-09	06/02/2025	23:47	PS030470.D	6.73	0.00
TP-53	Q2150-10	06/03/2025	00:11	PS030471.D	6.73	0.00
I.BLK	I.BLK	06/03/2025	00:35	PS030472.D	6.73	0.00
HSTDCCC750	HSTDCCC750	06/03/2025	00:59	PS030473.D	6.73	0.00
I.BLK	I.BLK	06/04/2025	10:55	PS030475.D	7.37	0.00
HSTDICC200	HSTDICC200	06/04/2025	11:19	PS030476.D	7.37	0.00
HSTDICC500	HSTDICC500	06/04/2025	11:43	PS030477.D	7.37	0.00
HSTDICC750	HSTDICC750	06/04/2025	12:07	PS030478.D	7.37	0.00
HSTDICC1000	HSTDICC1000	06/04/2025	12:31	PS030479.D	7.37	0.00
HSTDICC1500	HSTDICC1500	06/04/2025	12:55	PS030480.D	7.37	0.00
I.BLK	I.BLK	06/04/2025	13:59	PS030482.D	7.37	0.00
HSTDCCC750	HSTDCCC750	06/04/2025	14:23	PS030483.D	7.37	0.00
PB168207BL	PB168207BL	06/04/2025	14:47	PS030484.D	7.37	0.00
PB168207BS	PB168207BS	06/04/2025	15:12	PS030485.D	7.37	0.00
I.BLK	I.BLK	06/04/2025	16:26	PS030488.D	7.37	0.00
HSTDCCC750	HSTDCCC750	06/04/2025	16:50	PS030489.D	7.37	0.00
I.BLK	I.BLK	06/09/2025	17:22	PS030574.D	7.36	0.00
HSTDCCC750	HSTDCCC750	06/09/2025	17:46	PS030575.D	7.36	0.00
TP-3MS	Q2130-01MS	06/09/2025	18:41	PS030577.D	7.36	0.00
TP-3MSD	Q2130-01MSD	06/09/2025	19:05	PS030578.D	7.36	0.00
I.BLK	I.BLK	06/09/2025	19:29	PS030579.D	7.36	0.00
HSTDCCC750	HSTDCCC750	06/09/2025	19:53	PS030580.D	7.36	0.00
I.BLK	I.BLK	06/11/2025	08:46	PS030620.D	7.36	0.00
HSTDCCC750	HSTDCCC750	06/11/2025	09:10	PS030621.D	7.36	0.00
TP-50	Q2150-06	06/11/2025	10:52	PS030624.D	7.36	0.00

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Fax : 908 789 8922

Analytical Sequence

I.BLK	I.BLK	06/11/2025	14:30	PS030629.D	7.36	0.00
HSTDCCC750	HSTDCCC750	06/11/2025	15:32	PS030630.D	7.36	0.00

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Fax : 908 789 8922

Analytical Sequence

Client: CDM Smith **SDG No.:** Q2150

Project: South River WM Replacement **Instrument ID:** ECD_S

GC Column: RTX-CLP2 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 06/02/2025 06/02/2025

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

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCAA RT #	RT #
I.BLK	I.BLK	06/02/2025	08:49	PS030436.D	7.30	0.00
HSTDICC200	HSTDICC200	06/02/2025	09:13	PS030437.D	7.30	0.00
HSTDICC500	HSTDICC500	06/02/2025	09:37	PS030438.D	7.30	0.00
HSTDICC750	HSTDICC750	06/02/2025	10:01	PS030439.D	7.30	0.00
HSTDICC1000	HSTDICC1000	06/02/2025	10:25	PS030440.D	7.30	0.00
HSTDICC1500	HSTDICC1500	06/02/2025	10:49	PS030441.D	7.30	0.00
I.BLK	I.BLK	06/02/2025	17:46	PS030455.D	7.30	0.00
HSTDCCC750	HSTDCCC750	06/02/2025	18:10	PS030456.D	7.30	0.00
TP-44	Q2150-01	06/02/2025	19:46	PS030460.D	7.30	0.00
TP-42	Q2150-02	06/02/2025	20:11	PS030461.D	7.30	0.00
TP-39	Q2150-03	06/02/2025	20:35	PS030462.D	7.30	0.00
TP-48	Q2150-04	06/02/2025	20:59	PS030463.D	7.30	0.00
TP-47	Q2150-05	06/02/2025	21:23	PS030464.D	7.30	0.00
I.BLK	I.BLK	06/02/2025	22:11	PS030466.D	7.30	0.00
HSTDCCC750	HSTDCCC750	06/02/2025	22:35	PS030467.D	7.30	0.00
TP-51	Q2150-07	06/02/2025	22:59	PS030468.D	7.30	0.00
TP-52	Q2150-08	06/02/2025	23:23	PS030469.D	7.30	0.00
TP-54	Q2150-09	06/02/2025	23:47	PS030470.D	7.30	0.00
TP-53	Q2150-10	06/03/2025	00:11	PS030471.D	7.30	0.00
I.BLK	I.BLK	06/03/2025	00:35	PS030472.D	7.30	0.00
HSTDCCC750	HSTDCCC750	06/03/2025	00:59	PS030473.D	7.30	0.00
I.BLK	I.BLK	06/04/2025	10:55	PS030475.D	7.77	0.00
HSTDICC200	HSTDICC200	06/04/2025	11:19	PS030476.D	7.77	0.00
HSTDICC500	HSTDICC500	06/04/2025	11:43	PS030477.D	7.77	0.00
HSTDICC750	HSTDICC750	06/04/2025	12:07	PS030478.D	7.77	0.00
HSTDICC1000	HSTDICC1000	06/04/2025	12:31	PS030479.D	7.77	0.00
HSTDICC1500	HSTDICC1500	06/04/2025	12:55	PS030480.D	7.77	0.00
I.BLK	I.BLK	06/04/2025	13:59	PS030482.D	7.77	0.00
HSTDCCC750	HSTDCCC750	06/04/2025	14:23	PS030483.D	7.77	0.00
PB168207BL	PB168207BL	06/04/2025	14:47	PS030484.D	7.77	0.00
PB168207BS	PB168207BS	06/04/2025	15:12	PS030485.D	7.77	0.00
I.BLK	I.BLK	06/04/2025	16:26	PS030488.D	7.77	0.00
HSTDCCC750	HSTDCCC750	06/04/2025	16:50	PS030489.D	7.77	0.00
I.BLK	I.BLK	06/09/2025	17:22	PS030574.D	7.77	0.00
HSTDCCC750	HSTDCCC750	06/09/2025	17:46	PS030575.D	7.77	0.00
TP-3MS	Q2130-01MS	06/09/2025	18:41	PS030577.D	7.77	0.00
TP-3MSD	Q2130-01MSD	06/09/2025	19:05	PS030578.D	7.77	0.00
I.BLK	I.BLK	06/09/2025	19:29	PS030579.D	7.77	0.00
HSTDCCC750	HSTDCCC750	06/09/2025	19:53	PS030580.D	7.77	0.00
I.BLK	I.BLK	06/11/2025	08:46	PS030620.D	7.77	0.00
HSTDCCC750	HSTDCCC750	06/11/2025	09:10	PS030621.D	7.77	0.00
TP-50	Q2150-06	06/11/2025	10:52	PS030624.D	7.77	0.00

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Fax : 908 789 8922

Analytical Sequence

I.BLK	I.BLK	06/11/2025	14:30	PS030629.D	7.77	0.00
HSTDCCC750	HSTDCCC750	06/11/2025	15:32	PS030630.D	7.77	0.00

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB168207BS

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2150 **SAS No.:** Q2150 **SDG NO.:** Q2150

Lab Sample ID: PB168207BS **Date(s) Analyzed:** 06/04/2025 06/04/2025

Instrument ID (1): ECD_S **Instrument ID (2):** ECD_S

GC Column: (1): RTX-CLP **ID:** 0.32 (mm) **GC Column:(2):** RTX-CLP2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
DICHLORPROP	1	8.28	8.23	8.33	160	2.5
	2	8.70	8.65	8.75	156	
2,4-D	1	8.51	8.46	8.56	160	1.9
	2	9.03	8.98	9.08	157	
2,4,5-TP(Silvex)	1	9.40	9.35	9.45	165	3.7
	2	9.94	9.89	9.99	159	
2,4,5-T	1	9.70	9.65	9.75	163	2.5
	2	10.37	10.32	10.42	159	
2,4-DB	1	10.28	10.23	10.33	158	0
	2	10.93	10.88	10.98	158	
Dinoseb	1	11.50	11.45	11.55	162	3.8
	2	11.32	11.27	11.37	156	
DICAMBA	1	7.56	7.51	7.61	161	3.8
	2	7.98	7.93	8.03	155	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

TP-3MS

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2150 **SAS No.:** Q2150 **SDG NO.:** Q2150

Lab Sample ID: Q2130-01MS **Date(s) Analyzed:** 06/09/2025 06/09/2025

Instrument ID (1): ECD_S **Instrument ID (2):** ECD_S

GC Column: (1): RTX-CLP **ID:** 0.32 (mm) **GC Column:(2):** RTX-CLP2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
2,4,5-T	1	9.69	9.64	9.74	79.9	2.8
	2	10.36	10.31	10.41	82.2	
2,4,5-TP(Silvex)	1	9.39	9.34	9.44	88.2	5.2
	2	9.94	9.89	9.99	92.9	
2,4-D	1	8.50	8.45	8.55	99.5	16.1
	2	9.03	8.98	9.08	84.7	
2,4-DB	1	10.27	10.22	10.32	46.7	46.6
	2	10.93	10.88	10.98	75.1	
DICHLORPROP	1	8.27	8.22	8.32	93.1	1.7
	2	8.69	8.64	8.74	91.5	
Dinoseb	1	11.49	11.44	11.54	16.3	21.9
	2	11.32	11.27	11.37	20.3	
DICAMBA	1	7.55	7.50	7.60	82.9	5.7
	2	7.97	7.92	8.02	78.3	

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Fax : 908 789 8922

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

TP-3MSD

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2150 **SAS No.:** Q2150 **SDG NO.:** Q2150

Lab Sample ID: Q2130-01MSD **Date(s) Analyzed:** 06/09/2025 06/09/2025

Instrument ID (1): ECD_S **Instrument ID (2):** ECD_S

GC Column: (1): RTX-CLP **ID:** 0.32 (mm) **GC Column:(2):** RTX-CLP2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
DICHLORPROP	1	8.27	8.22	8.32	92.4	1.4
	2	8.69	8.64	8.74	91.1	
2,4-D	1	8.50	8.45	8.55	99.3	4.8
	2	9.03	8.98	9.08	94.6	
2,4,5-TP(Silvex)	1	9.39	9.34	9.44	87.6	4.9
	2	9.93	9.88	9.98	92.0	
2,4,5-T	1	9.69	9.64	9.74	80.3	1.6
	2	10.36	10.31	10.41	81.6	
2,4-DB	1	10.27	10.22	10.32	44.9	49.7
	2	10.93	10.88	10.98	74.6	
Dinoseb	1	11.49	11.44	11.54	16.3	20.9
	2	11.32	11.27	11.37	20.1	
DICAMBA	1	7.55	7.50	7.60	82.5	5.5
	2	7.97	7.92	8.02	78.1	

SAMPLE RAW DATA

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060225\
Data File : PS030460.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 Jun 2025 19:46
Operator : AR\AJ
Sample : Q2150-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
TP-44

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 06/03/2025
Supervised By :mohammad ahmed 06/04/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 03 03:23:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060225.M
Quant Title : 8080.M
QLast Update : Mon Jun 02 12:26:05 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						
4) S	2,4-DCAA	6.732	7.301	702.9E6	212.0E6	173.460	166.617m
	Target Compounds						

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

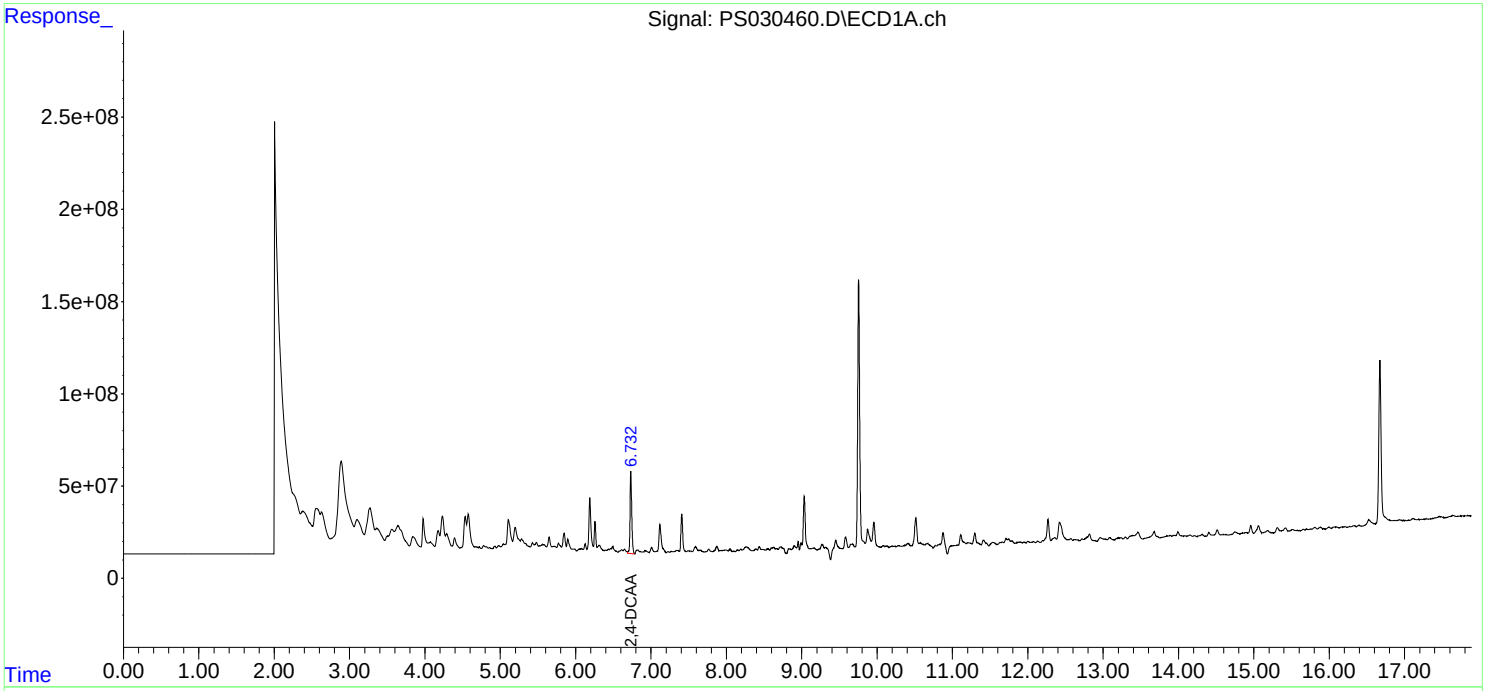
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060225\
Data File : PS030460.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 Jun 2025 19:46
Operator : AR\AJ
Sample : Q2150-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

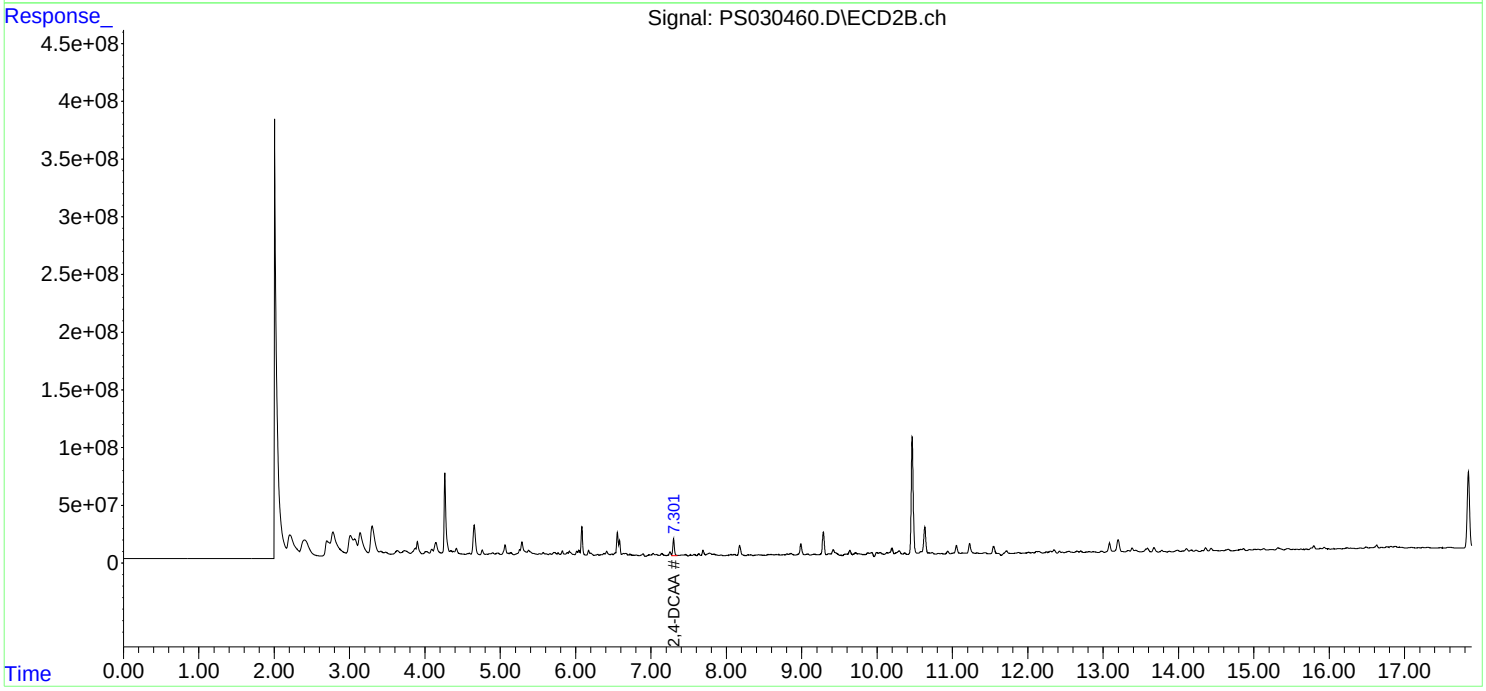
Instrument :
ECD_S
ClientSampleId :
TP-44

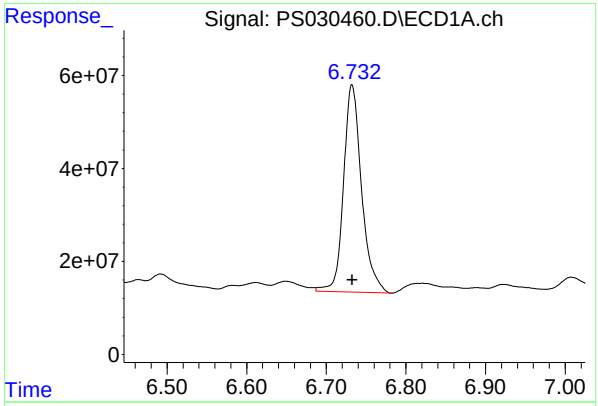
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 06/03/2025
Supervised By :mohammad ahmed 06/04/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 03 03:23:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060225.M
Quant Title : 8080.M
QLast Update : Mon Jun 02 12:26:05 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







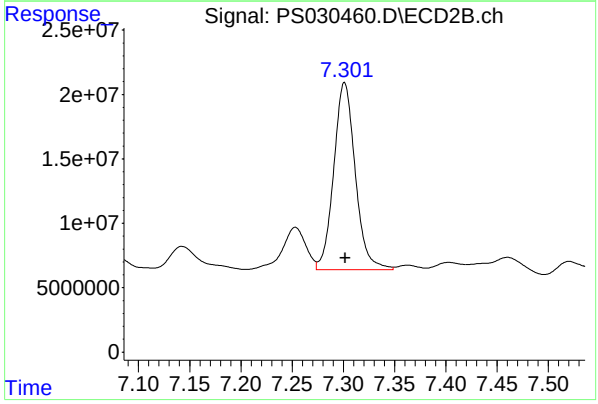
#4 2,4-DCAA

R.T.: 6.732 min
Delta R.T.: 0.000 mi
Response: 702933720
Conc: 173.46 ng/m

Instrument :
ECD_S
ClientSampleId :
TP-44

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/03/2025
Supervised By :mohammad ahmed 06/04/2025



#4 2,4-DCAA

R.T.: 7.301 min
Delta R.T.: -0.001 min
Response: 212014695
Conc: 166.62 ng/ml m

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060225\
Data File : PS030461.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 Jun 2025 20:11
Operator : AR\AJ
Sample : Q2150-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
TP-42

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 06/03/2025
Supervised By :mohammad ahmed 06/04/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 03 03:24:17 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060225.M
Quant Title : 8080.M
QLast Update : Mon Jun 02 12:26:05 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						
4) S	2,4-DCAA	6.732	7.300	1116.2E6	356.8E6	275.451	280.439m
	Target Compounds						

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

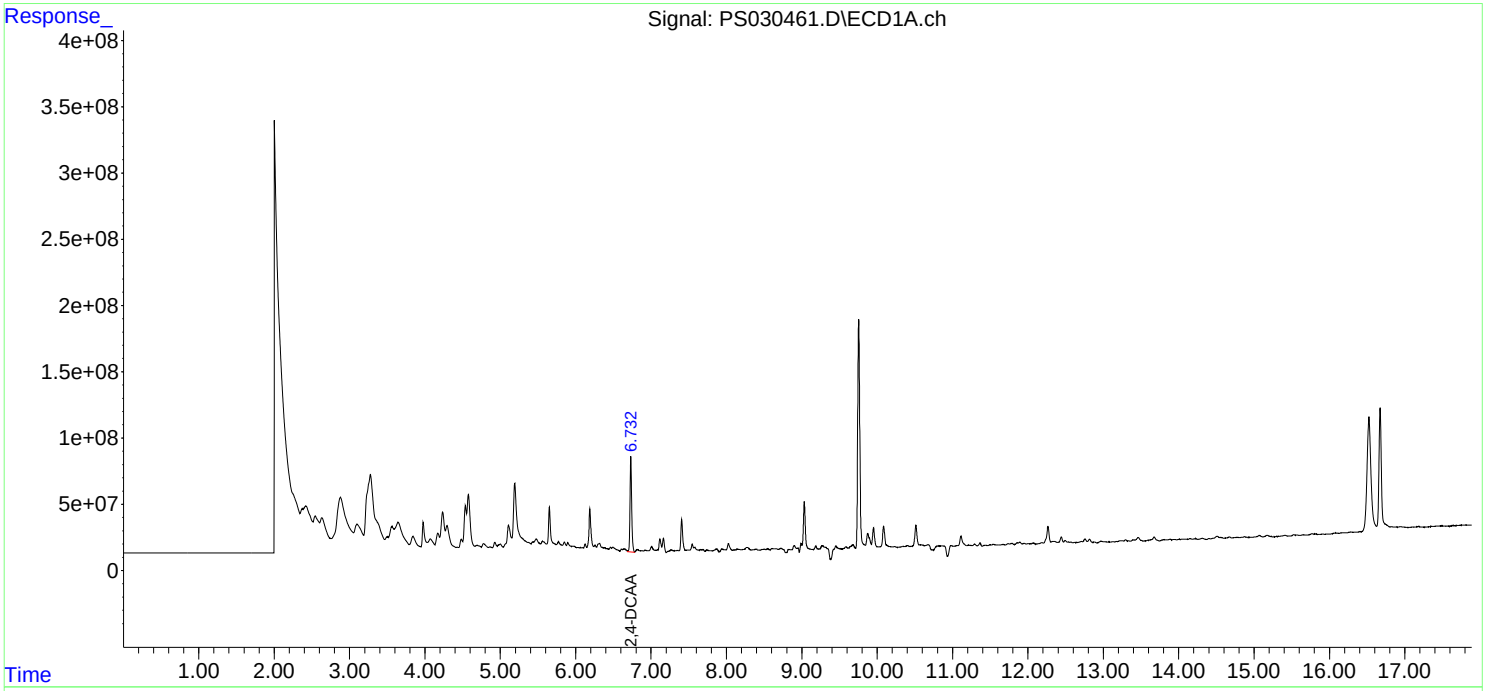
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060225\
Data File : PS030461.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 Jun 2025 20:11
Operator : AR\AJ
Sample : Q2150-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

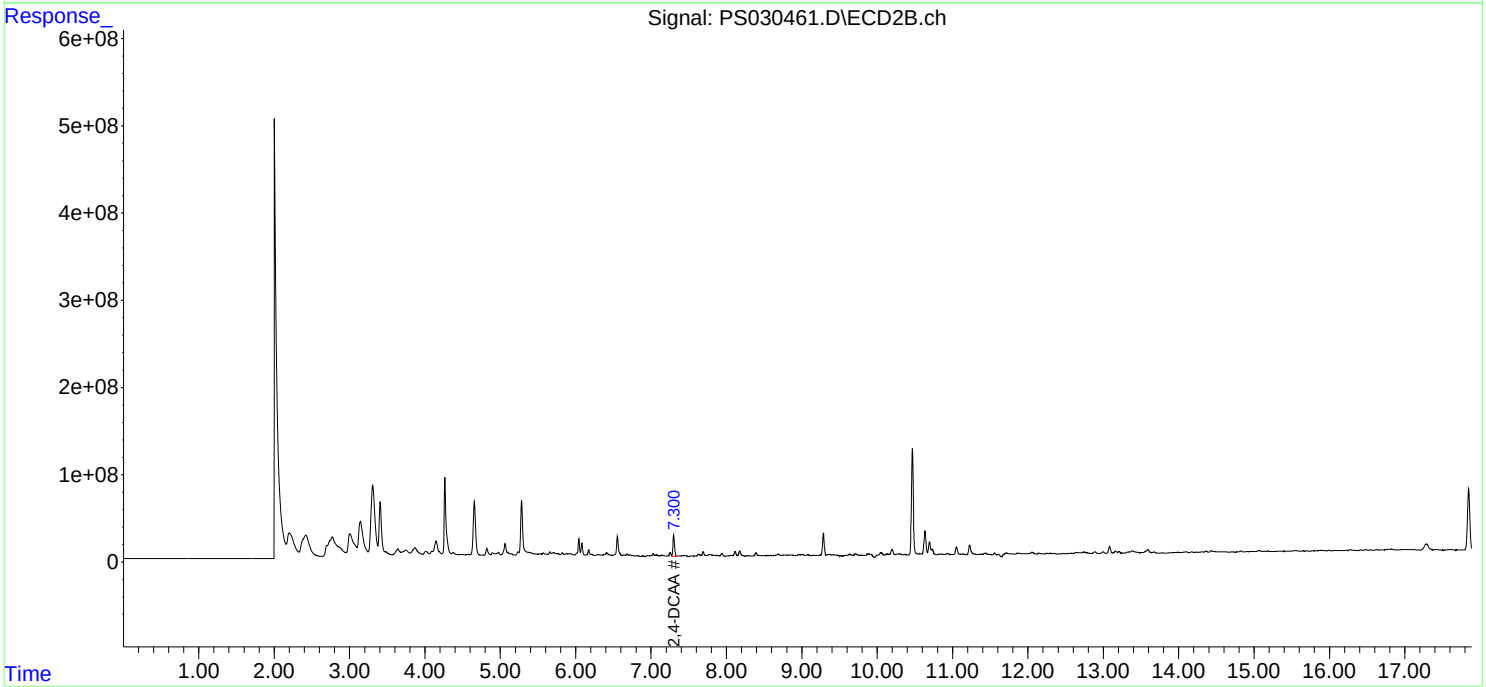
Instrument :
ECD_S
ClientSampleId :
TP-42

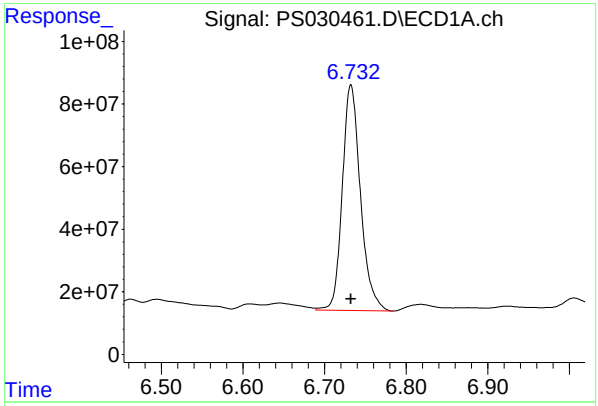
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 06/03/2025
Supervised By :mohammad ahmed 06/04/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 03 03:24:17 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060225.M
Quant Title : 8080.M
QLast Update : Mon Jun 02 12:26:05 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







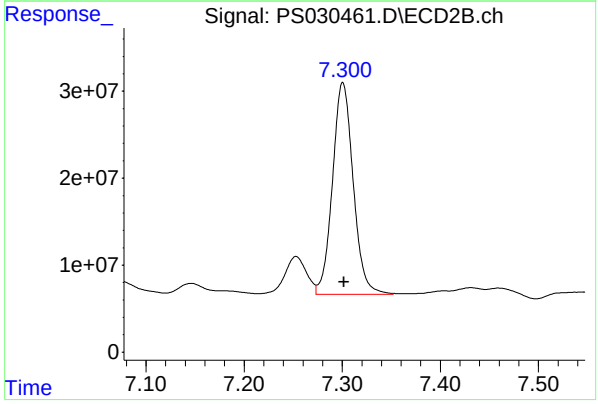
#4 2,4-DCAA

R.T.: 6.732 min
Delta R.T.: 0.000 mi
Response: 1116245704
Conc: 275.45 ng/m

Instrument :
ECD_S
ClientSampleId :
TP-42

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/03/2025
Supervised By :mohammad ahmed 06/04/2025



#4 2,4-DCAA

R.T.: 7.300 min
Delta R.T.: -0.002 min
Response: 356848908
Conc: 280.44 ng/ml m

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060225\
Data File : PS030462.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 Jun 2025 20:35
Operator : AR\AJ
Sample : Q2150-03
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
TP-39

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 03 03:24:45 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060225.M
Quant Title : 8080.M
QLast Update : Mon Jun 02 12:26:05 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						
4) S	2,4-DCAA	6.732	7.301	1083.2E6	324.7E6	267.301	255.135
	Target Compounds						

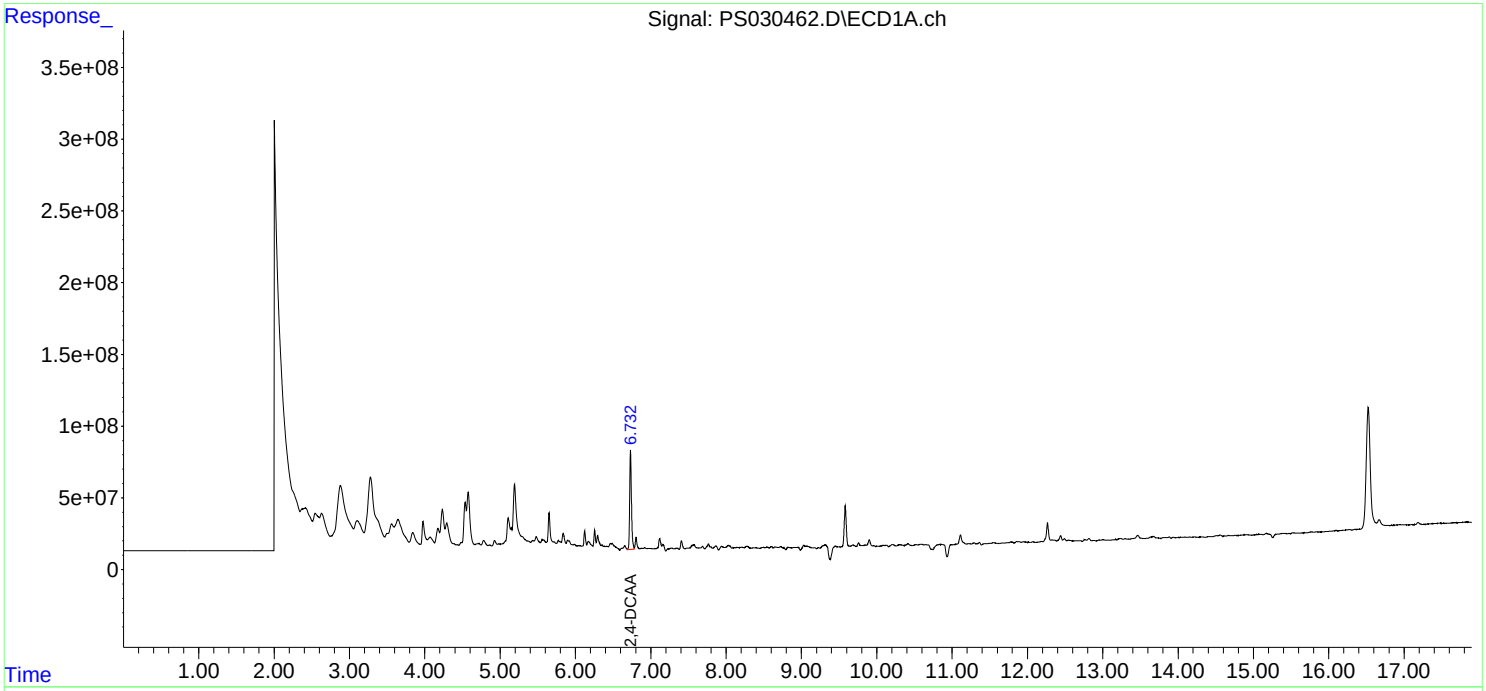
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

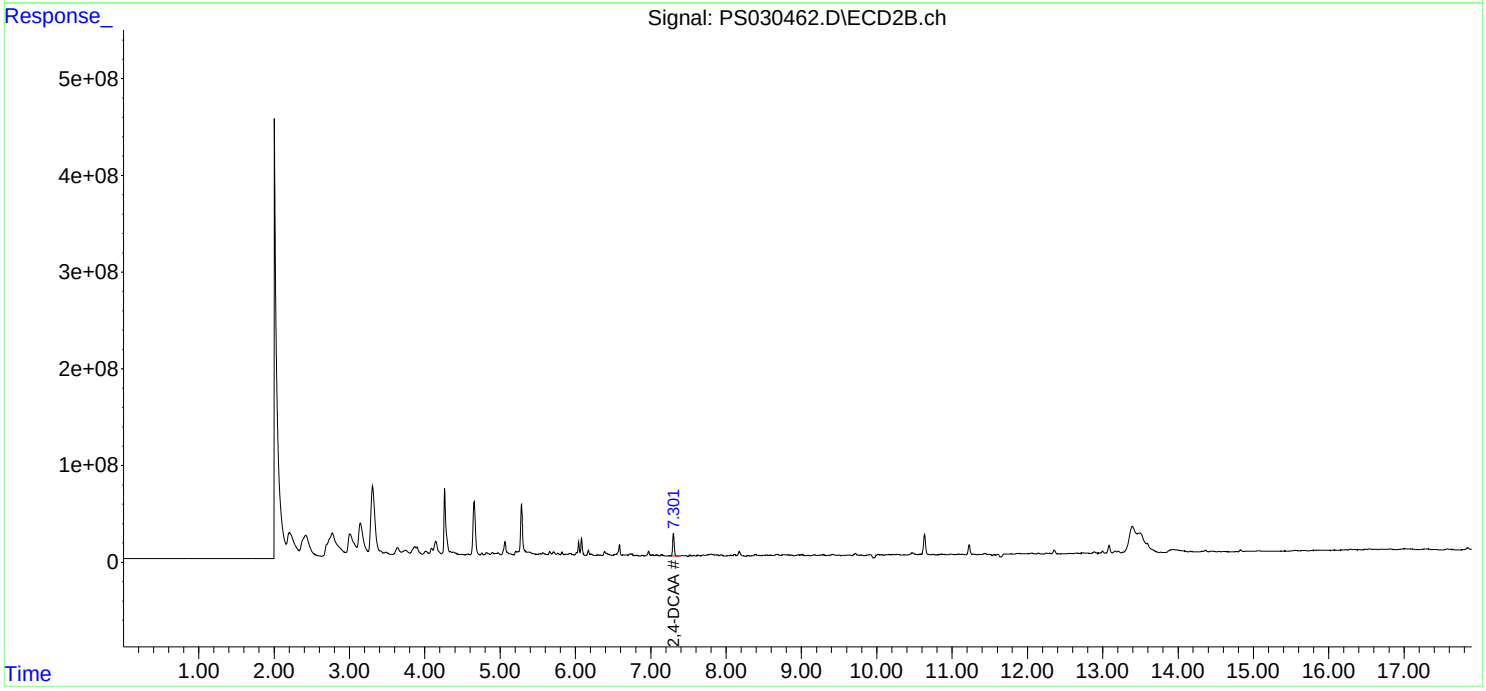
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060225\
Data File : PS030462.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 Jun 2025 20:35
Operator : AR\AJ
Sample : Q2150-03
Misc :
ALS Vial : 19 Sample Multiplier: 1

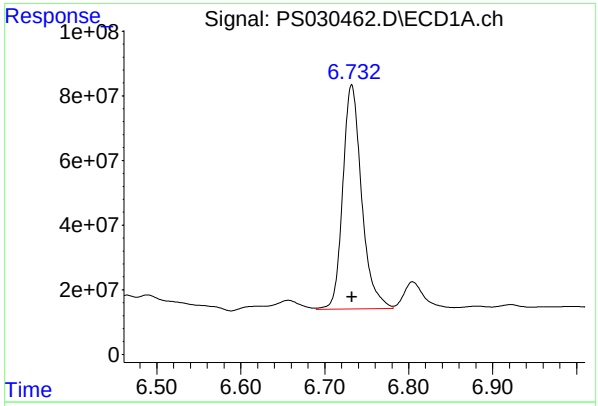
Instrument :
ECD_S
ClientSampleId :
TP-39

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 03 03:24:45 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060225.M
Quant Title : 8080.M
QLast Update : Mon Jun 02 12:26:05 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



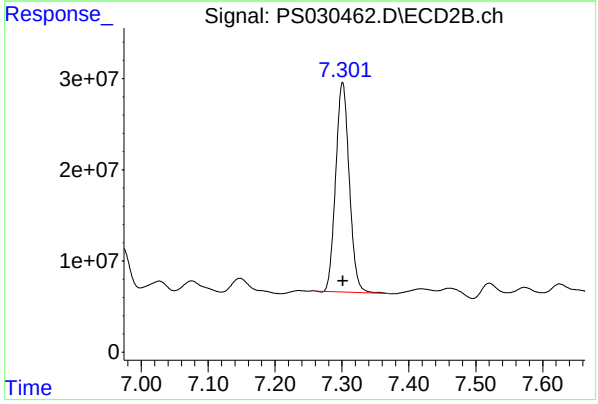




#4 2,4-DCAA

R.T.: 6.732 min
Delta R.T.: 0.000 min
Response: 1083215453
Conc: 267.30 ng/ml

Instrument :
ECD_S
ClientSampleId :
TP-39



#4 2,4-DCAA

R.T.: 7.301 min
Delta R.T.: 0.000 min
Response: 324650374
Conc: 255.14 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060225\
Data File : PS030463.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 Jun 2025 20:59
Operator : AR\AJ
Sample : Q2150-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
TP-48

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 03 03:25:11 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060225.M
Quant Title : 8080.M
QLast Update : Mon Jun 02 12:26:05 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						
4) S	2,4-DCAA	6.732	7.300	970.2E6	280.7E6	239.402	220.573
	Target Compounds						

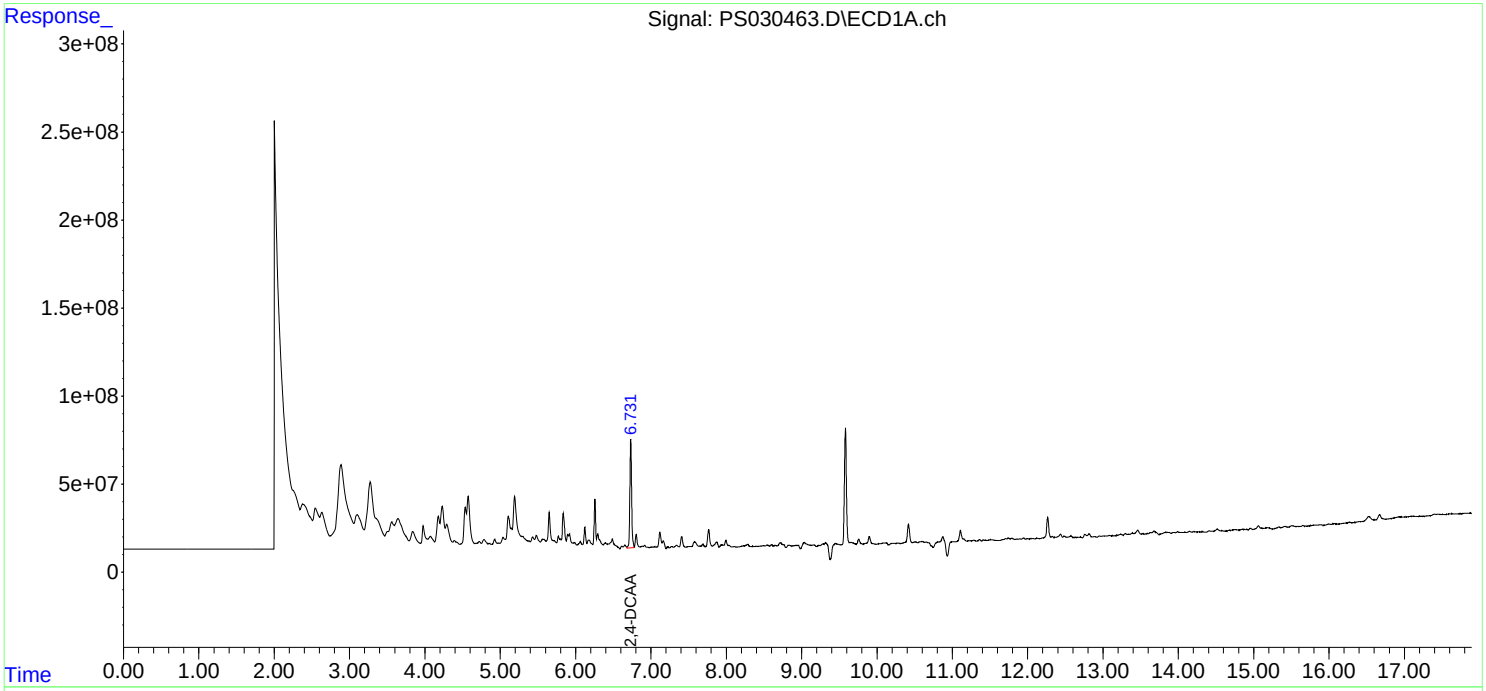
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

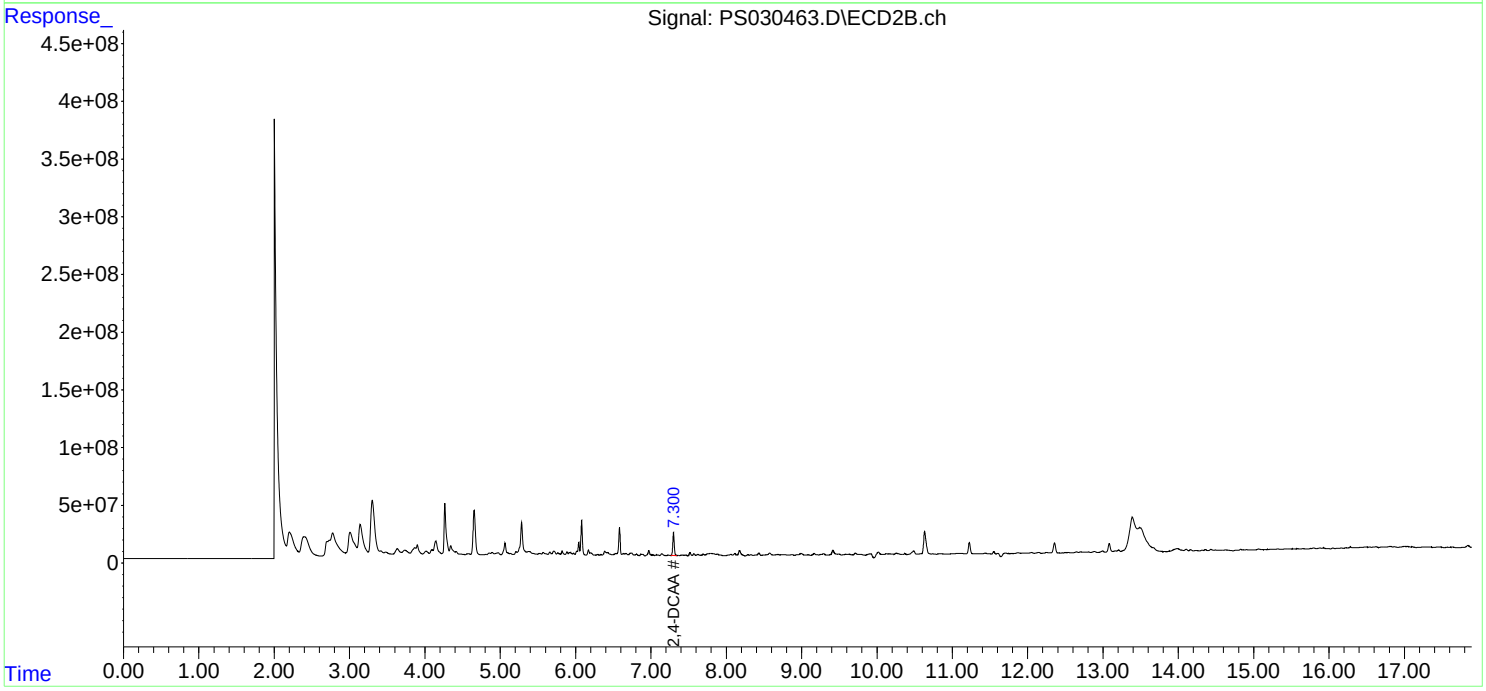
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060225\
Data File : PS030463.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 Jun 2025 20:59
Operator : AR\AJ
Sample : Q2150-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

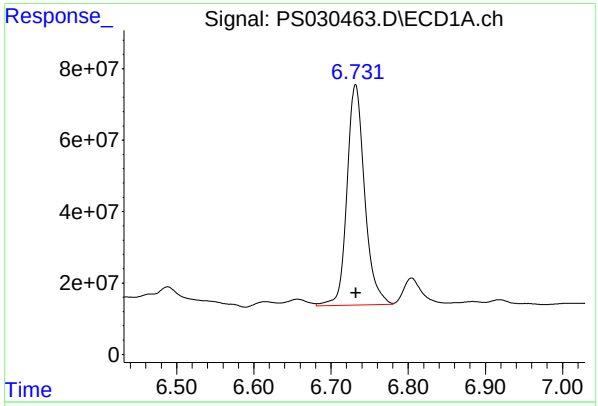
Instrument :
ECD_S
ClientSampleId :
TP-48

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 03 03:25:11 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060225.M
Quant Title : 8080.M
QLast Update : Mon Jun 02 12:26:05 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



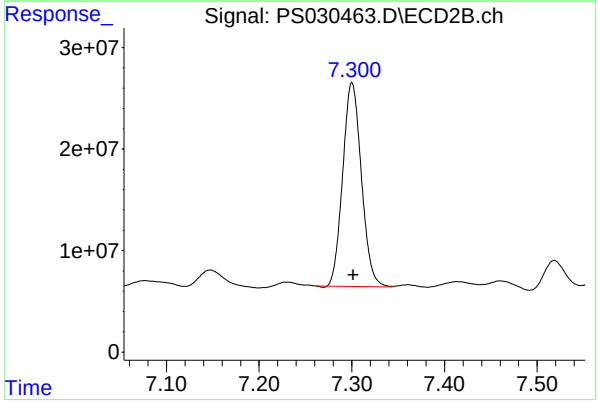




#4 2,4-DCAA

R.T.: 6.732 min
Delta R.T.: 0.000 mi
Response: 970158097
Conc: 239.40 ng/m

Instrument :
ECD_S
ClientSampleId :
TP-48



#4 2,4-DCAA

R.T.: 7.300 min
Delta R.T.: -0.001 min
Response: 280671448
Conc: 220.57 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060225\
Data File : PS030464.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 Jun 2025 21:23
Operator : AR\AJ
Sample : Q2150-05
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
TP-47

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 03 03:25:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060225.M
Quant Title : 8080.M
QLast Update : Mon Jun 02 12:26:05 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						
4) S	2,4-DCAA	6.732	7.301	1029.6E6	301.5E6	254.064	236.950
	Target Compounds						

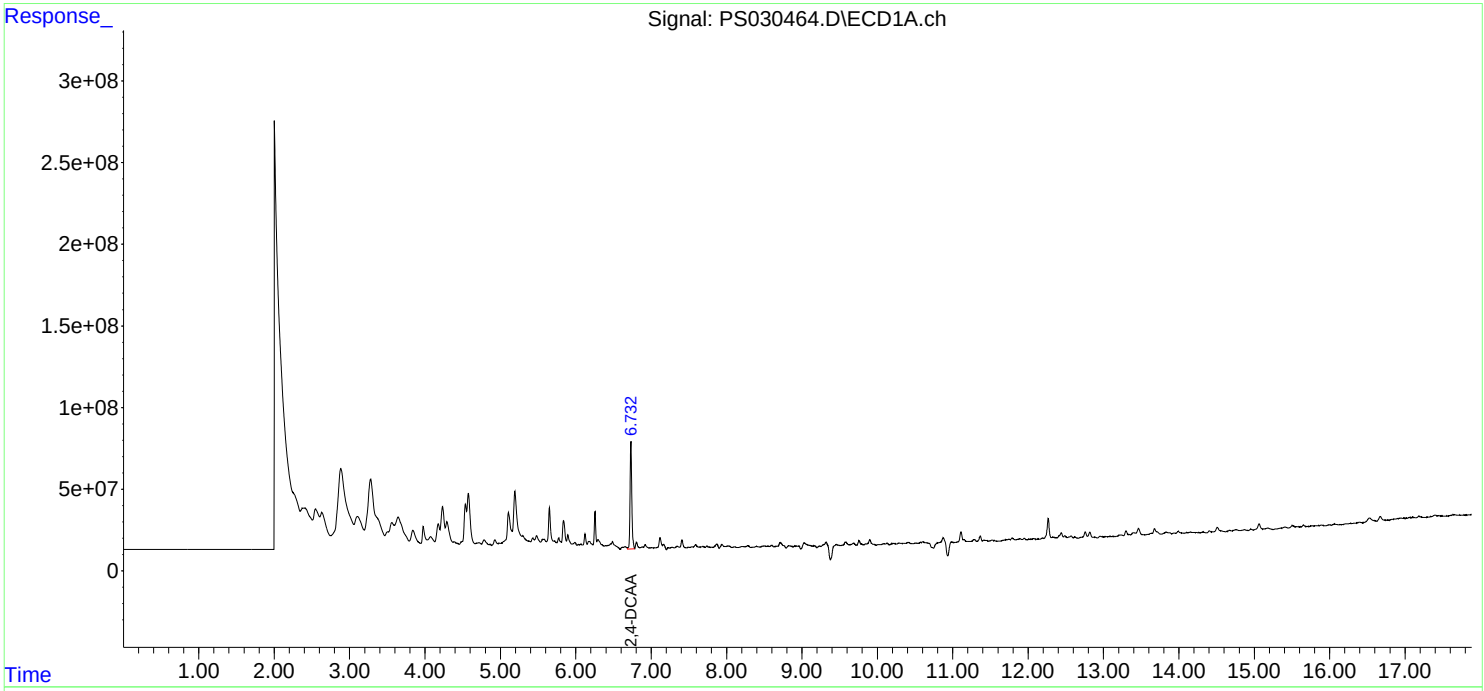
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

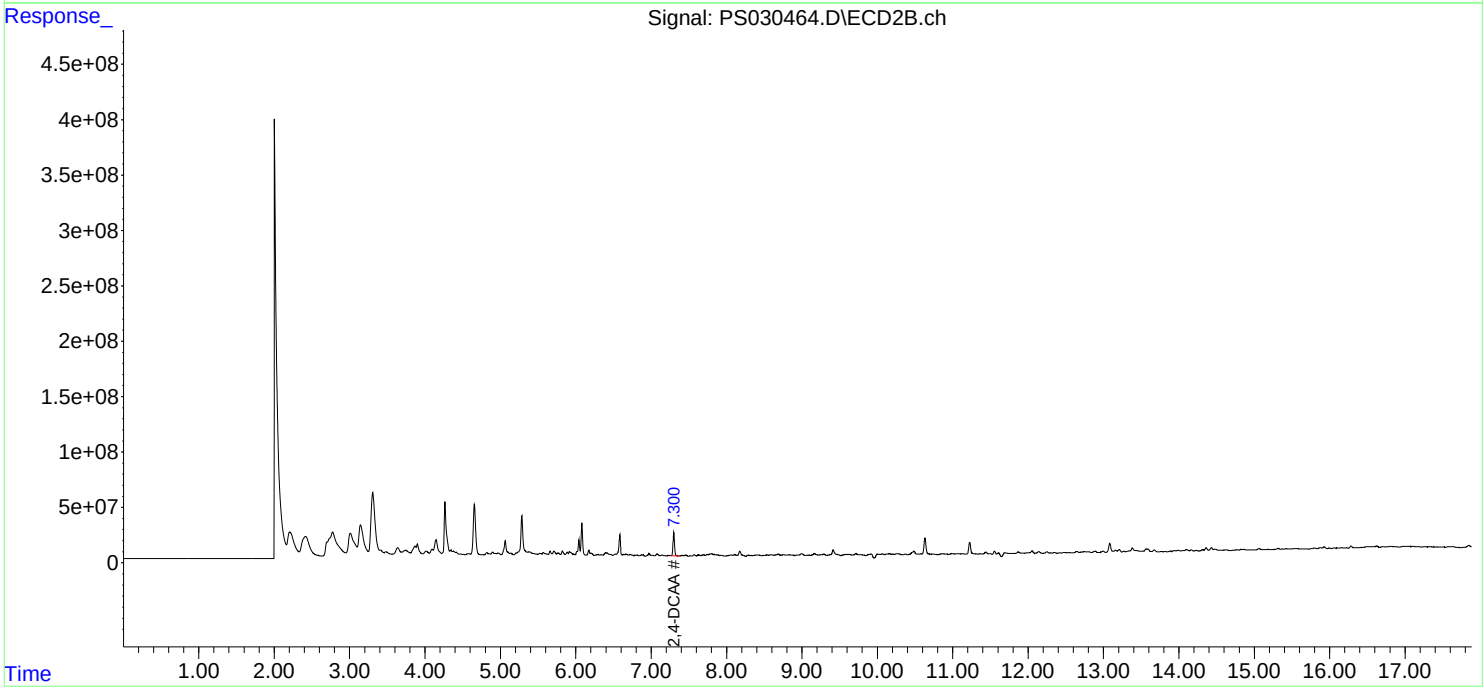
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060225\
Data File : PS030464.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 Jun 2025 21:23
Operator : AR\AJ
Sample : Q2150-05
Misc :
ALS Vial : 21 Sample Multiplier: 1

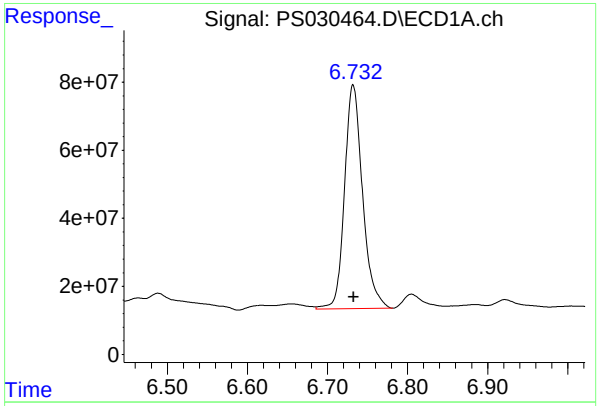
Instrument :
ECD_S
ClientSampleId :
TP-47

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 03 03:25:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060225.M
Quant Title : 8080.M
QLast Update : Mon Jun 02 12:26:05 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



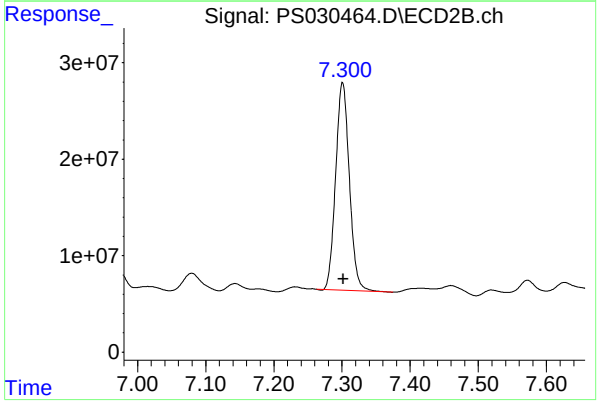




#4 2,4-DCAA

R.T.: 6.732 min
Delta R.T.: 0.000 min
Response: 1029573155
Conc: 254.06 ng/ml

Instrument :
ECD_S
ClientSampleId :
TP-47



#4 2,4-DCAA

R.T.: 7.301 min
Delta R.T.: 0.000 min
Response: 301510415
Conc: 236.95 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS061125\
Data File : PS030624.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Jun 2025 10:52
Operator : AR\AJ
Sample : Q2150-06
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
TP-50

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 12 02:04:27 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
Quant Title : 8080.M
QLast Update : Wed Jun 04 13:21:22 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
4) S	2,4-DCAA	7.357	7.767	2039.9E6	642.1E6	540.349	597.006
	Target Compounds						

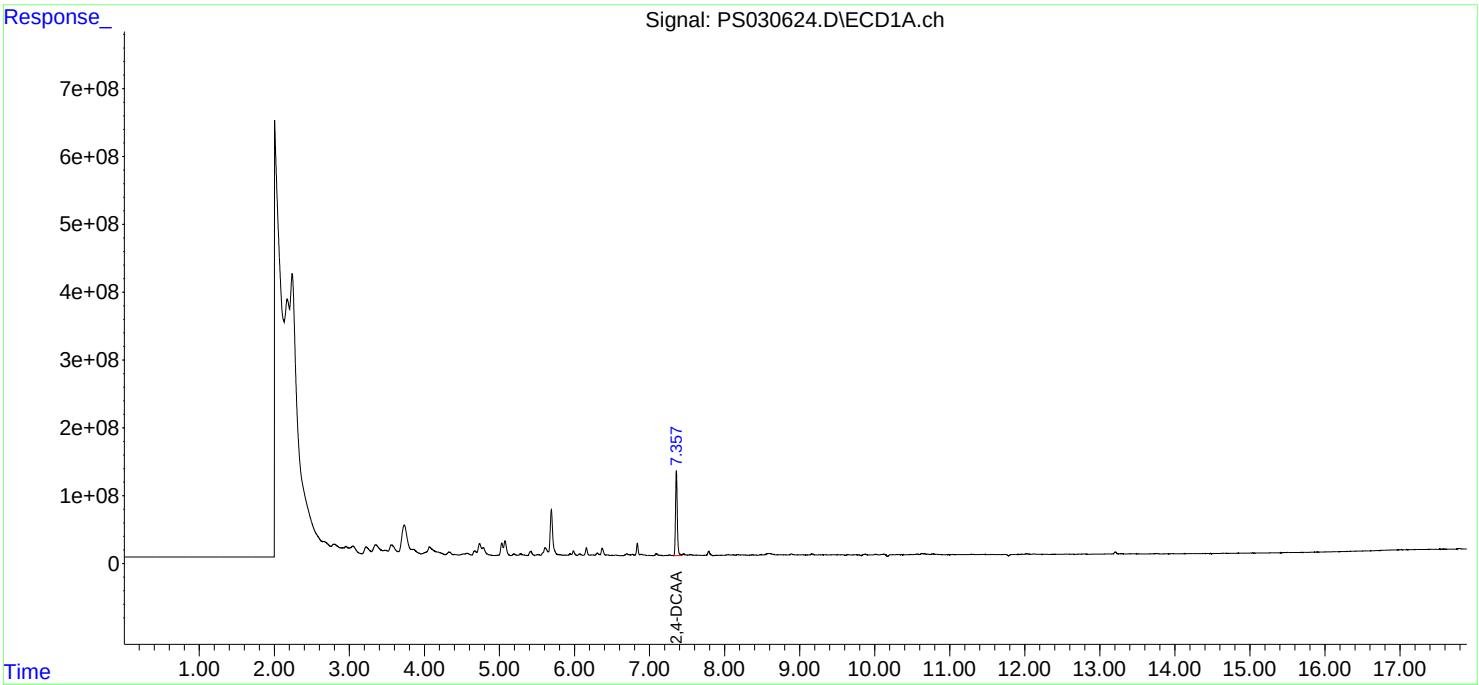
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

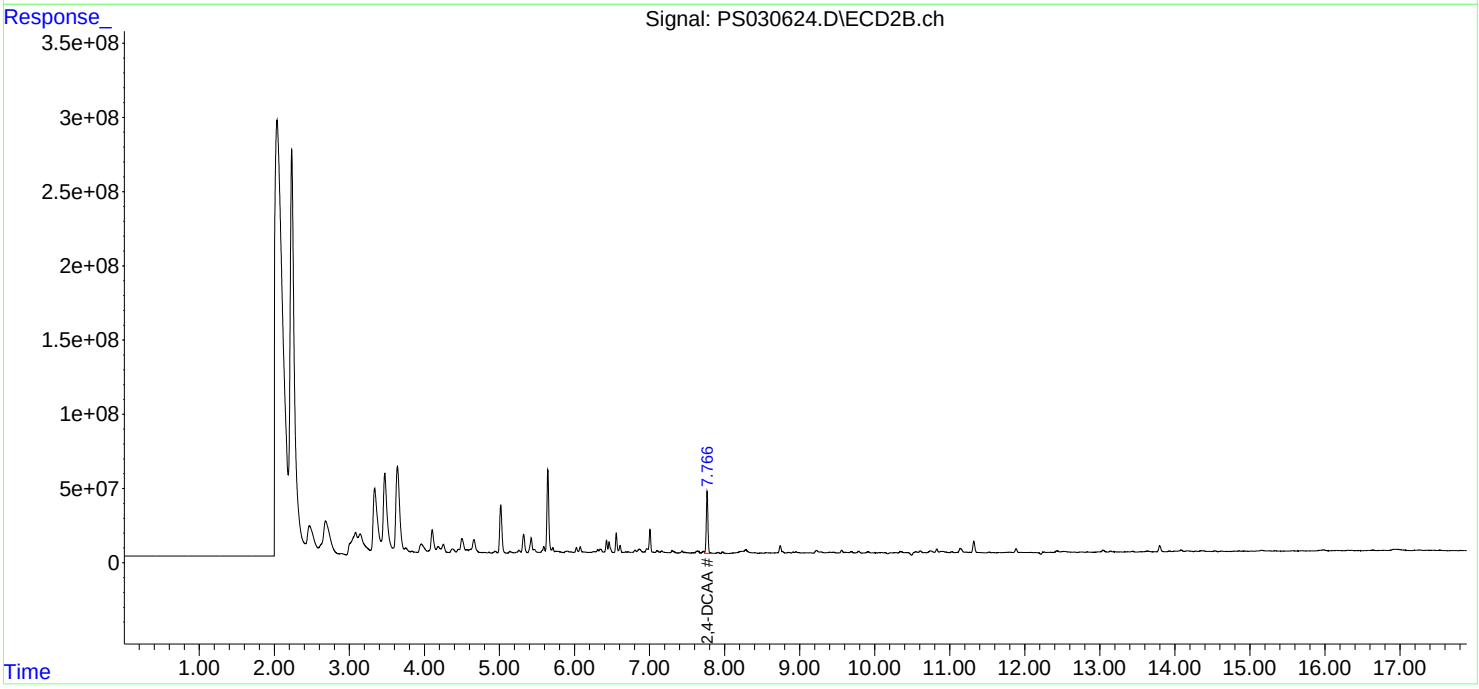
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS061125\
Data File : PS030624.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Jun 2025 10:52
Operator : AR\AJ
Sample : Q2150-06
Misc :
ALS Vial : 6 Sample Multiplier: 1

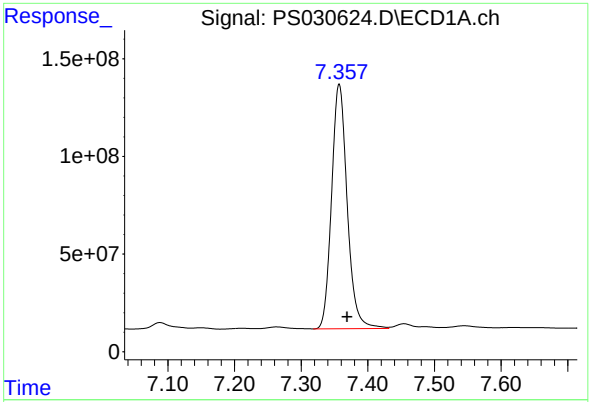
Instrument :
ECD_S
ClientSampleId :
TP-50

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 12 02:04:27 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
Quant Title : 8080.M
QLast Update : Wed Jun 04 13:21:22 2025
Response via : Initial Calibration
Integrator: ChemStation

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



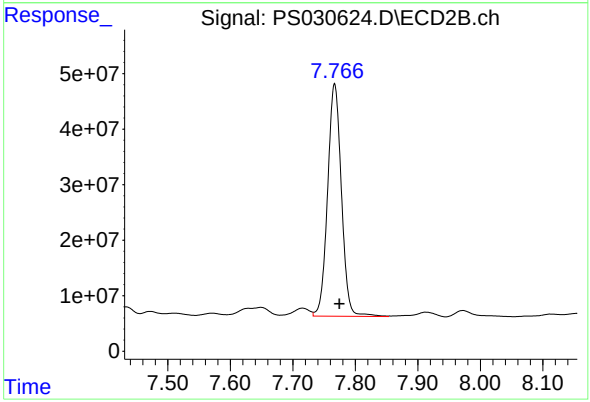




#4 2,4-DCAA

R.T.: 7.357 min
Delta R.T.: -0.012 min
Response: 2039894231
Conc: 540.35 ng/ml

Instrument :
ECD_S
ClientSampleId :
TP-50



#4 2,4-DCAA

R.T.: 7.767 min
Delta R.T.: -0.007 min
Response: 642145277
Conc: 597.01 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060225\
Data File : PS030468.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 Jun 2025 22:59
Operator : AR\AJ
Sample : Q2150-07
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
TP-51

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 03 03:26:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060225.M
Quant Title : 8080.M
QLast Update : Mon Jun 02 12:26:05 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						
4) S	2,4-DCAA	6.732	7.300	1002.3E6	311.1E6	247.338	244.448
	Target Compounds						

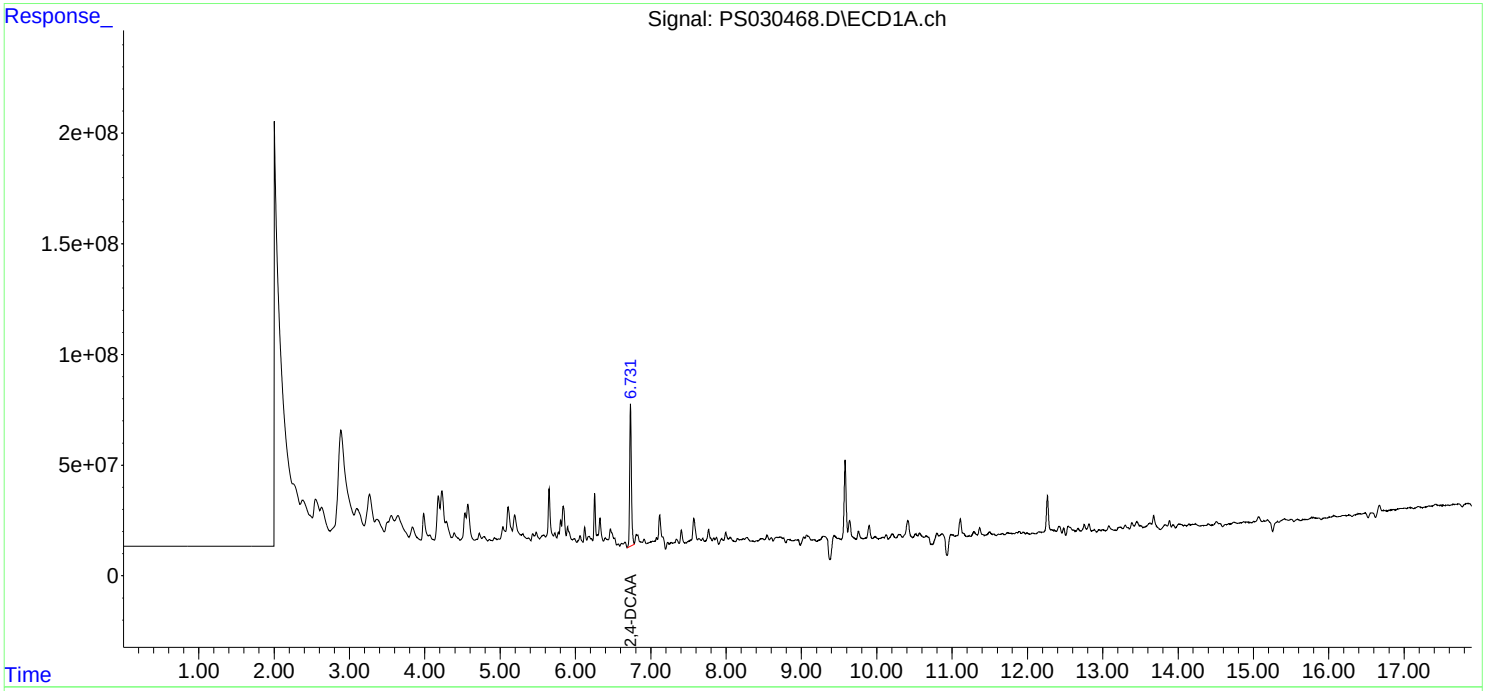
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

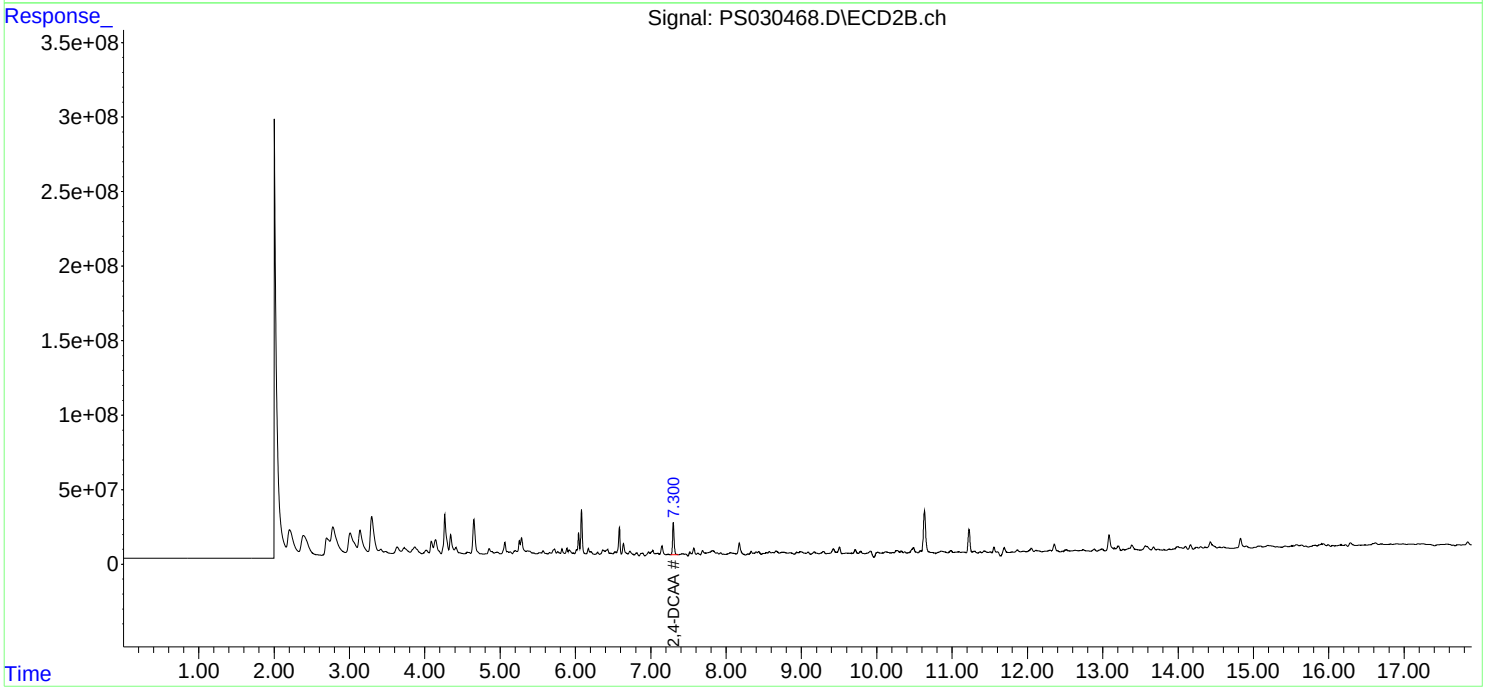
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060225\
Data File : PS030468.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 Jun 2025 22:59
Operator : AR\AJ
Sample : Q2150-07
Misc :
ALS Vial : 23 Sample Multiplier: 1

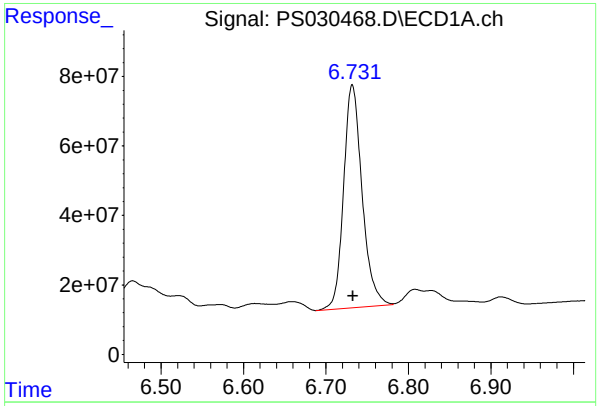
Instrument :
ECD_S
ClientSampleId :
TP-51

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 03 03:26:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060225.M
Quant Title : 8080.M
QLast Update : Mon Jun 02 12:26:05 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



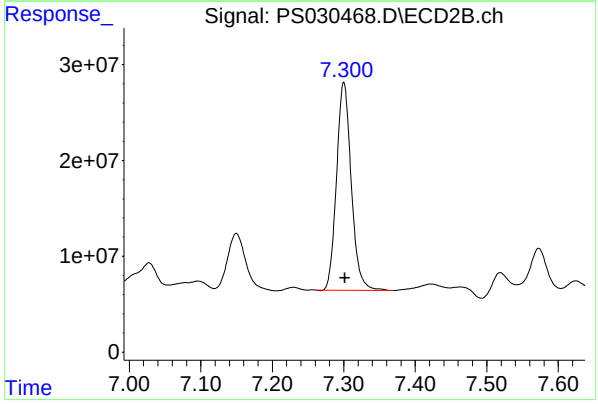




#4 2,4-DCAA

R.T.: 6.732 min
Delta R.T.: 0.000 min
Response: 1002316776
Conc: 247.34 ng/ml

Instrument :
ECD_S
ClientSampleId :
TP-51



#4 2,4-DCAA

R.T.: 7.300 min
Delta R.T.: -0.002 min
Response: 311050844
Conc: 244.45 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060225\
Data File : PS030469.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 Jun 2025 23:23
Operator : AR\AJ
Sample : Q2150-08
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
TP-52

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 06/03/2025
Supervised By :mohammad ahmed 06/04/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 03 03:26:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060225.M
Quant Title : 8080.M
QLast Update : Mon Jun 02 12:26:05 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						
4) S	2,4-DCAA	6.732	7.300	699.7E6	209.3E6	172.668	164.511m
	Target Compounds						

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

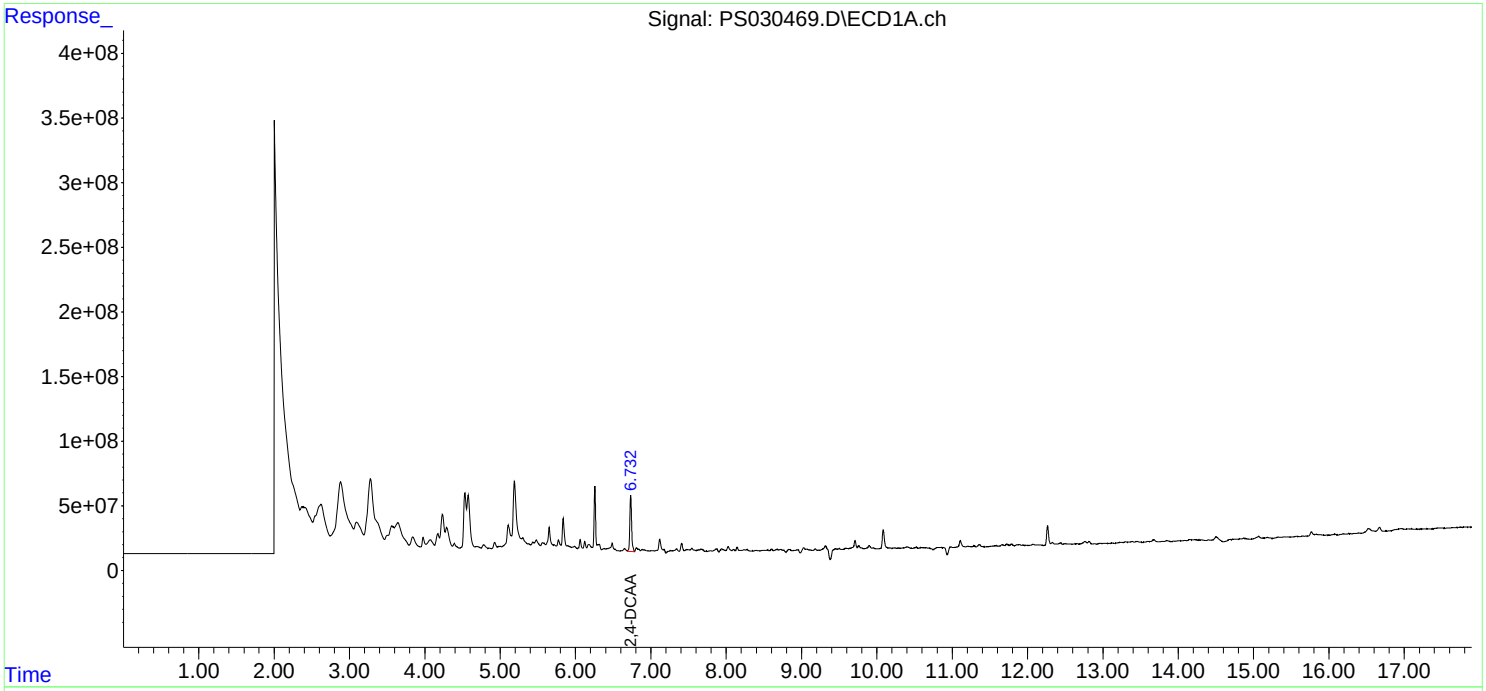
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060225\
Data File : PS030469.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 Jun 2025 23:23
Operator : AR\AJ
Sample : Q2150-08
Misc :
ALS Vial : 24 Sample Multiplier: 1

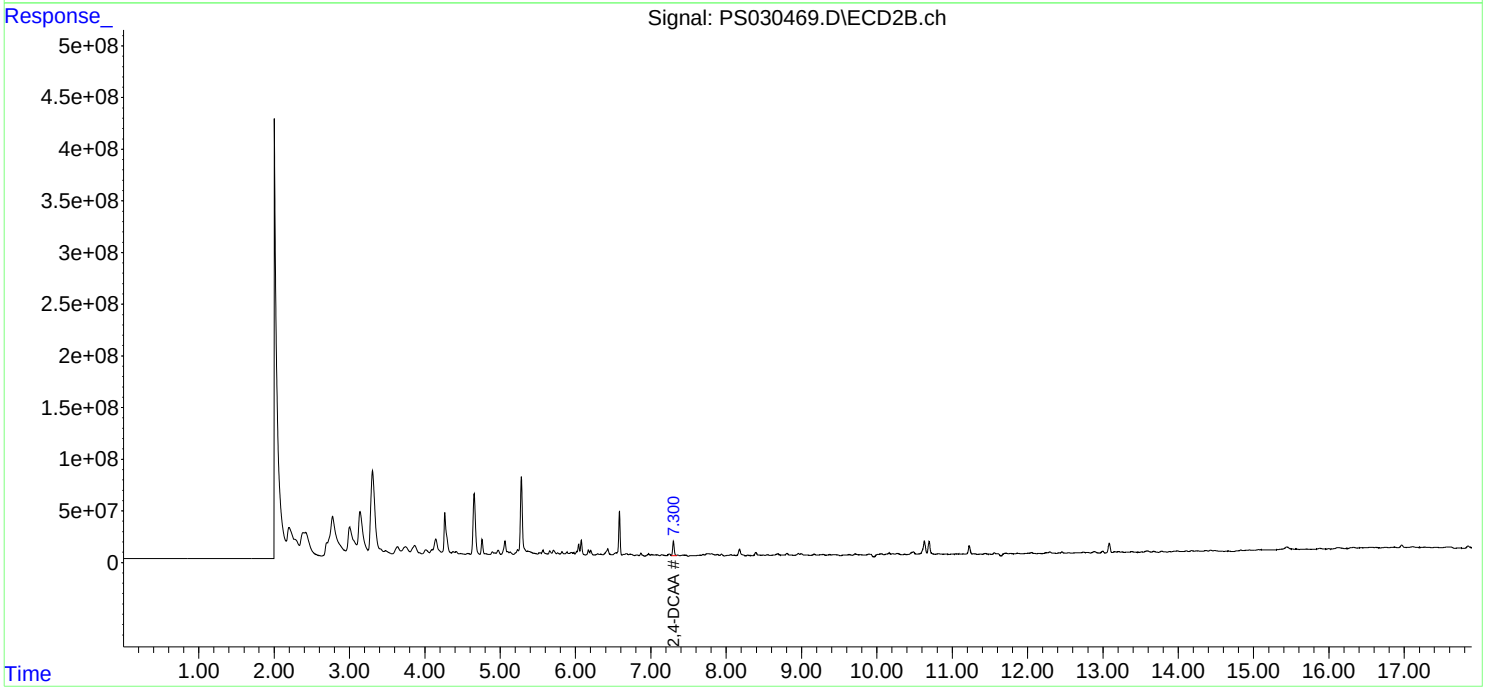
Instrument :
ECD_S
ClientSampleId :
TP-52

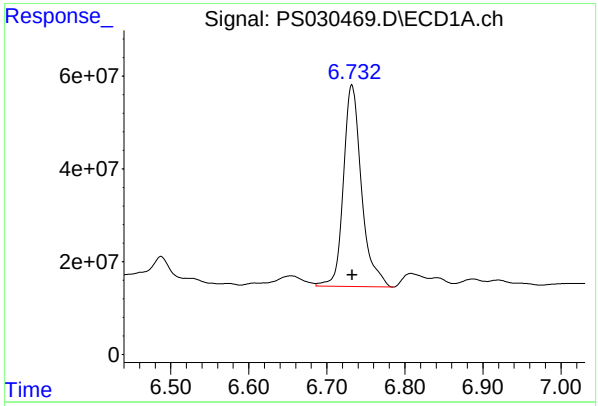
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 06/03/2025
Supervised By :mohammad ahmed 06/04/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 03 03:26:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060225.M
Quant Title : 8080.M
QLast Update : Mon Jun 02 12:26:05 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







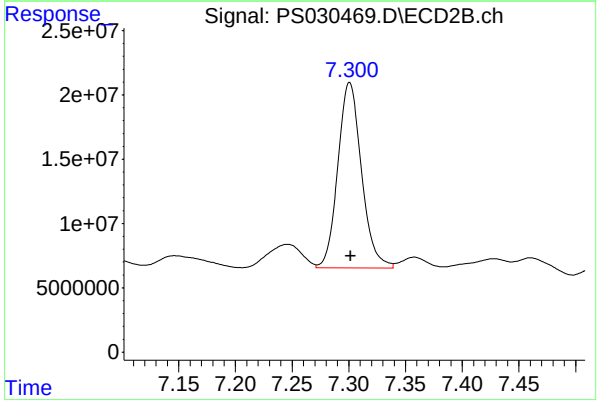
#4 2,4-DCAA

R.T.: 6.732 min
Delta R.T.: 0.000 mi
Response: 699723263
Conc: 172.67 ng/m

Instrument :
ECD_S
ClientSampleId :
TP-52

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/03/2025
Supervised By :mohammad ahmed 06/04/2025



#4 2,4-DCAA

R.T.: 7.300 min
Delta R.T.: -0.002 min
Response: 209334069
Conc: 164.51 ng/ml m

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060225\
Data File : PS030470.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 Jun 2025 23:47
Operator : AR\AJ
Sample : Q2150-09
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
TP-54

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 03 03:27:18 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060225.M
Quant Title : 8080.M
QLast Update : Mon Jun 02 12:26:05 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						
4) S	2,4-DCAA	6.732	7.300	1340.6E6	406.8E6	330.814	319.680
	Target Compounds						

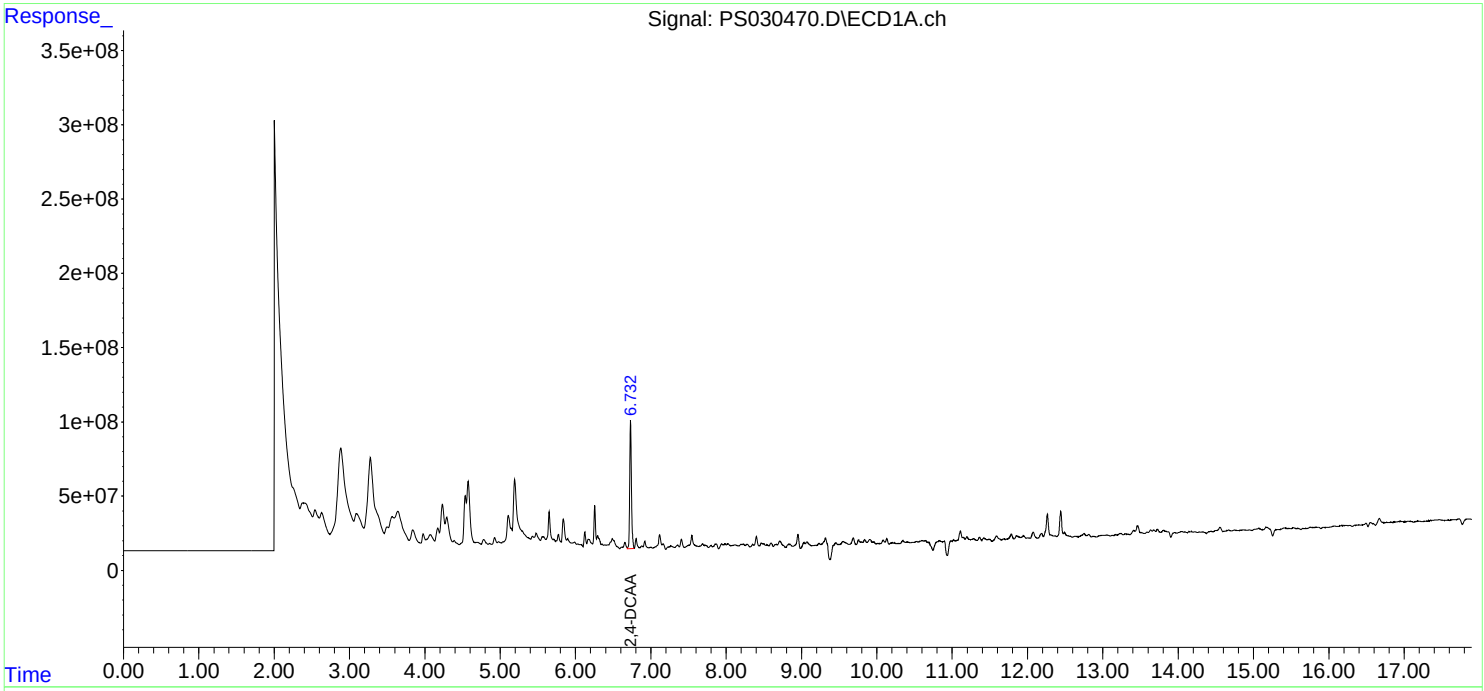
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

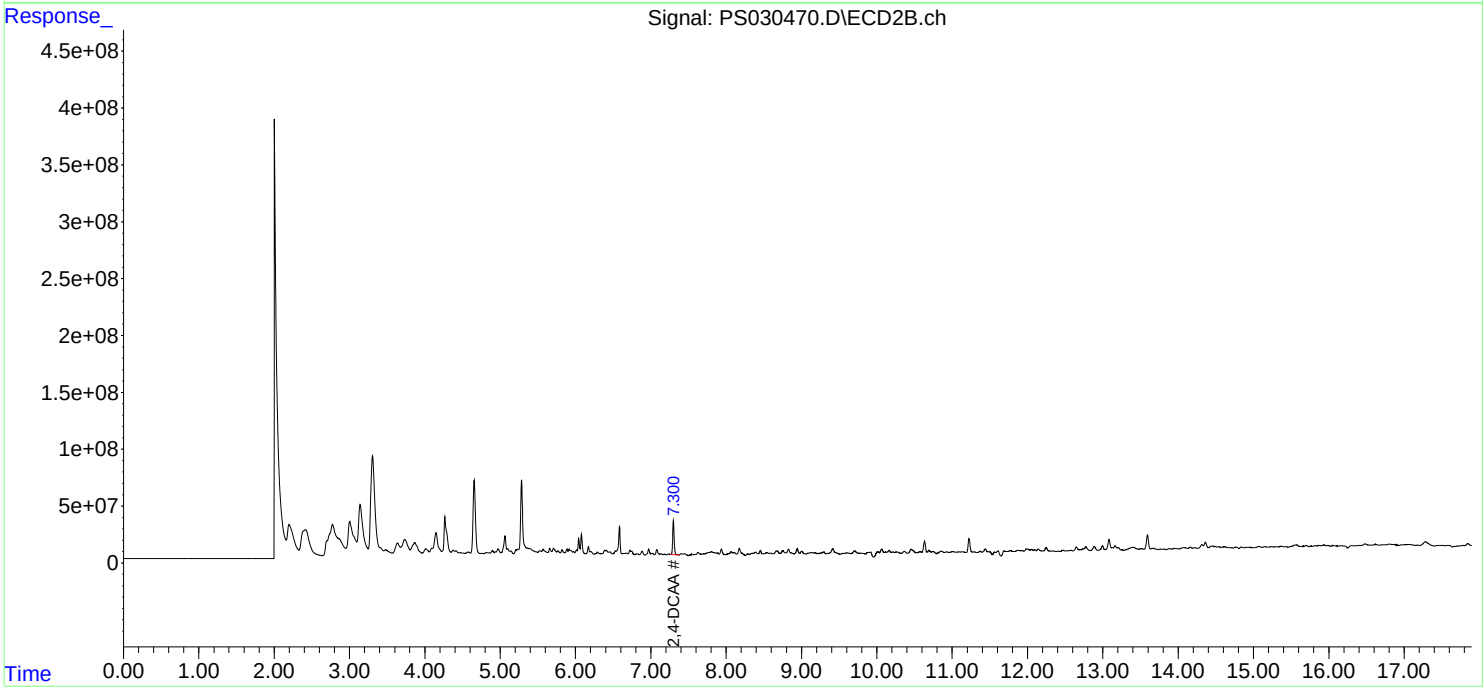
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060225\
Data File : PS030470.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 Jun 2025 23:47
Operator : AR\AJ
Sample : Q2150-09
Misc :
ALS Vial : 25 Sample Multiplier: 1

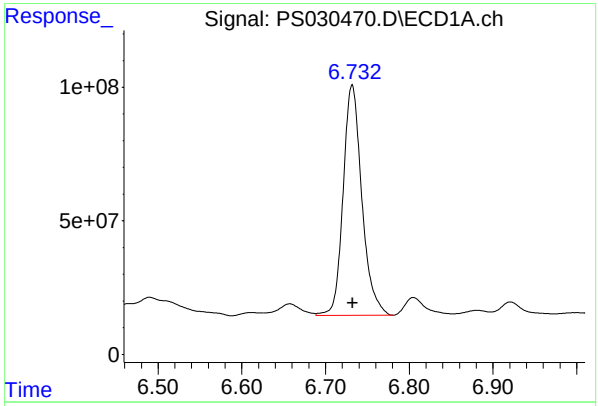
Instrument :
ECD_S
ClientSampleId :
TP-54

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 03 03:27:18 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060225.M
Quant Title : 8080.M
QLast Update : Mon Jun 02 12:26:05 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



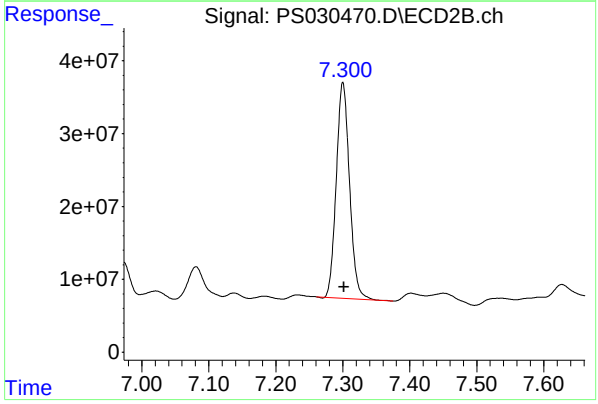




#4 2,4-DCAA

R.T.: 6.732 min
Delta R.T.: 0.000 min
Response: 1340597505
Conc: 330.81 ng/ml

Instrument :
ECD_S
ClientSampleId :
TP-54



#4 2,4-DCAA

R.T.: 7.300 min
Delta R.T.: -0.001 min
Response: 406781267
Conc: 319.68 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060225\
Data File : PS030471.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jun 2025 00:11
Operator : AR\AJ
Sample : Q2150-10
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
TP-53

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 03 03:27:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060225.M
Quant Title : 8080.M
QLast Update : Mon Jun 02 12:26:05 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						
4) S	2,4-DCAA	6.732	7.301	1183.2E6	363.1E6	291.978	285.361
	Target Compounds						

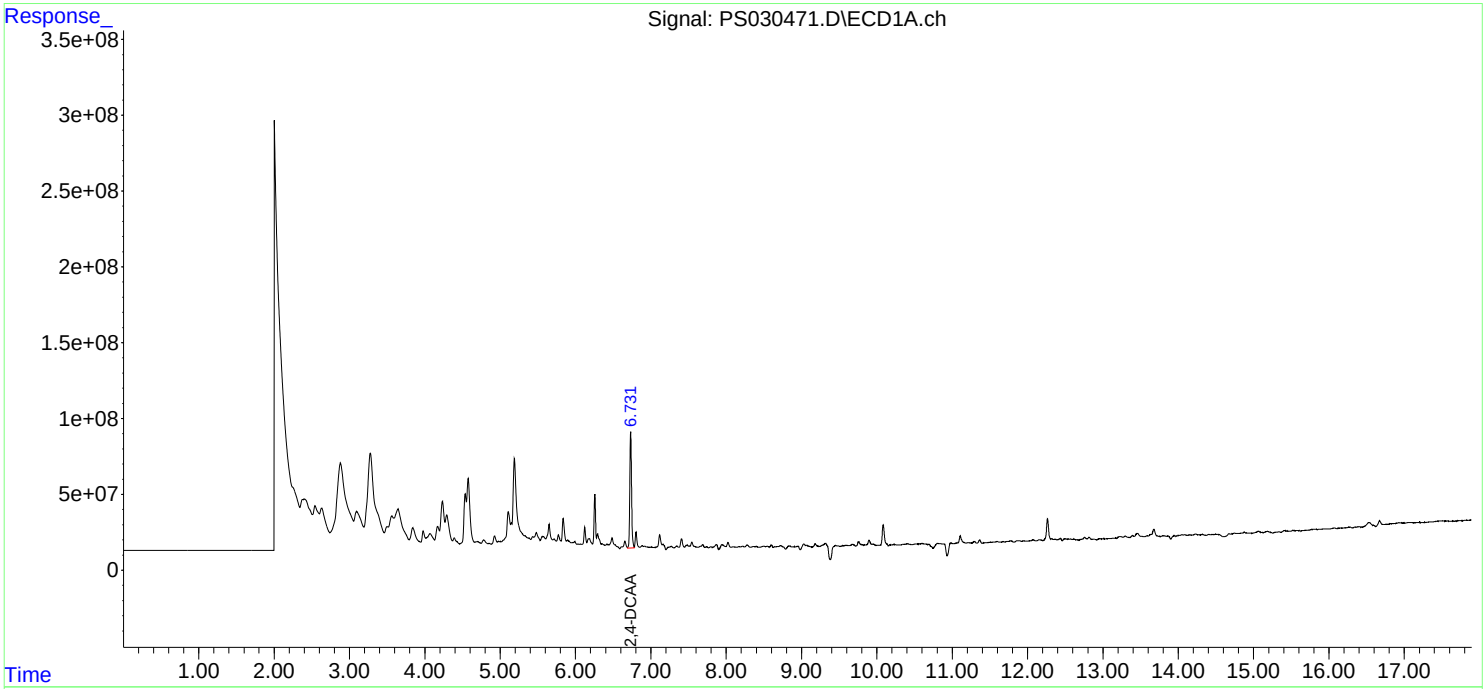
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

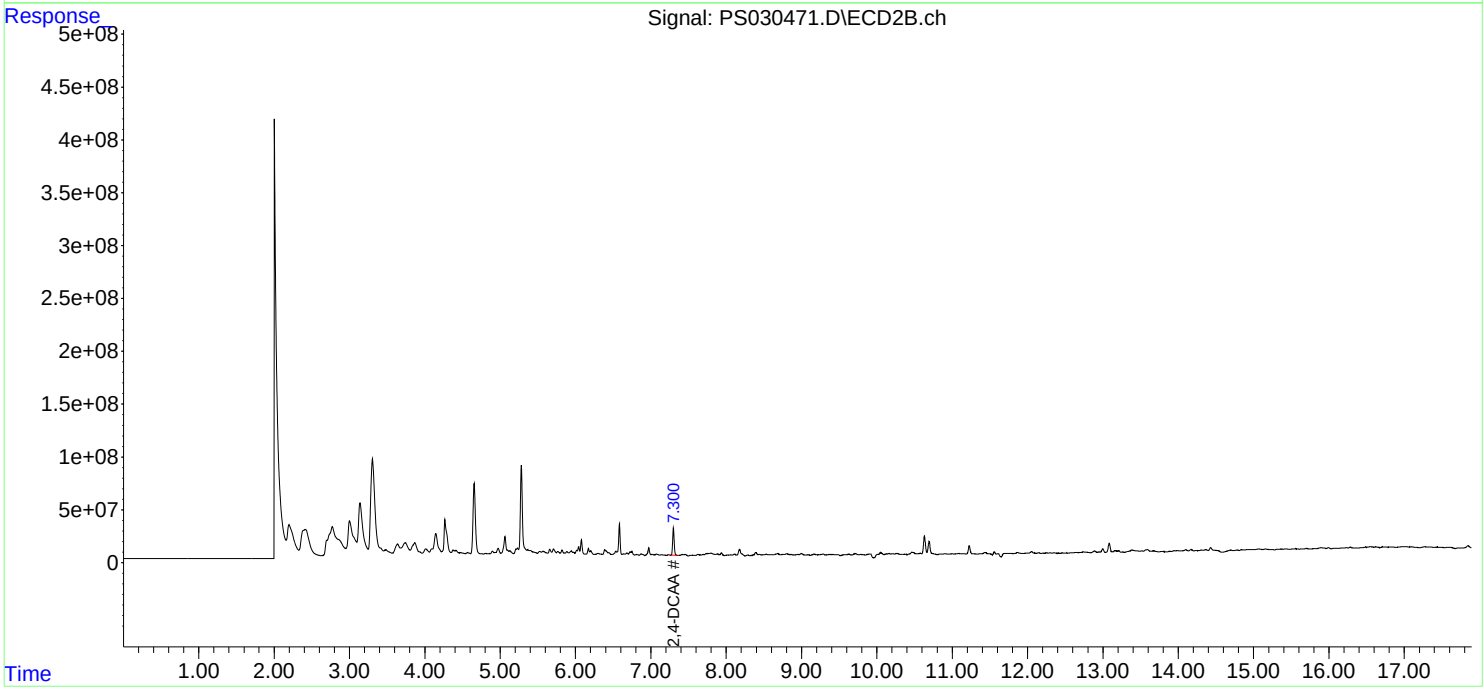
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060225\
Data File : PS030471.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jun 2025 00:11
Operator : AR\AJ
Sample : Q2150-10
Misc :
ALS Vial : 26 Sample Multiplier: 1

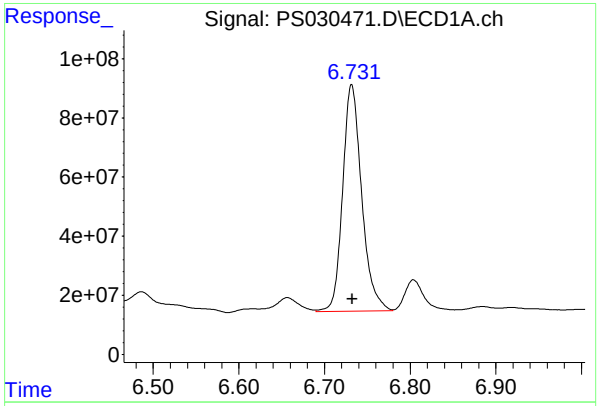
Instrument :
ECD_S
ClientSampleId :
TP-53

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 03 03:27:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060225.M
Quant Title : 8080.M
QLast Update : Mon Jun 02 12:26:05 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



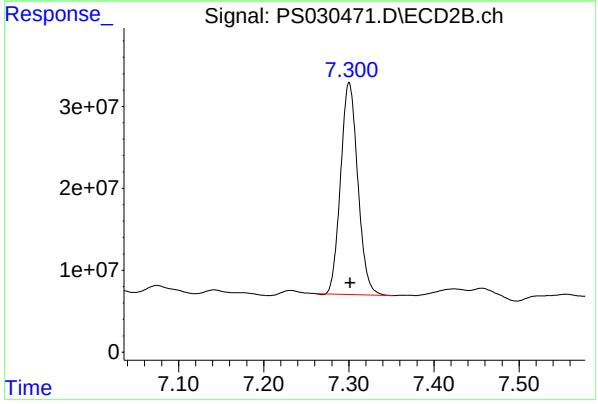




#4 2,4-DCAA

R.T.: 6.732 min
Delta R.T.: 0.000 min
Response: 1183218503
Conc: 291.98 ng/ml

Instrument :
ECD_S
ClientSampleId :
TP-53



#4 2,4-DCAA

R.T.: 7.301 min
Delta R.T.: -0.001 min
Response: 363111510
Conc: 285.36 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060425\
Data File : PS030484.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Jun 2025 14:47
Operator : AR\AJ
Sample : PB168207BL
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
PB168207BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 15:10:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
Quant Title : 8080.M
QLast Update : Wed Jun 04 13:21:22 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
4) S	2,4-DCAA	7.367	7.772	1644.9E6	462.4E6	435.731	429.872
	Target Compounds						

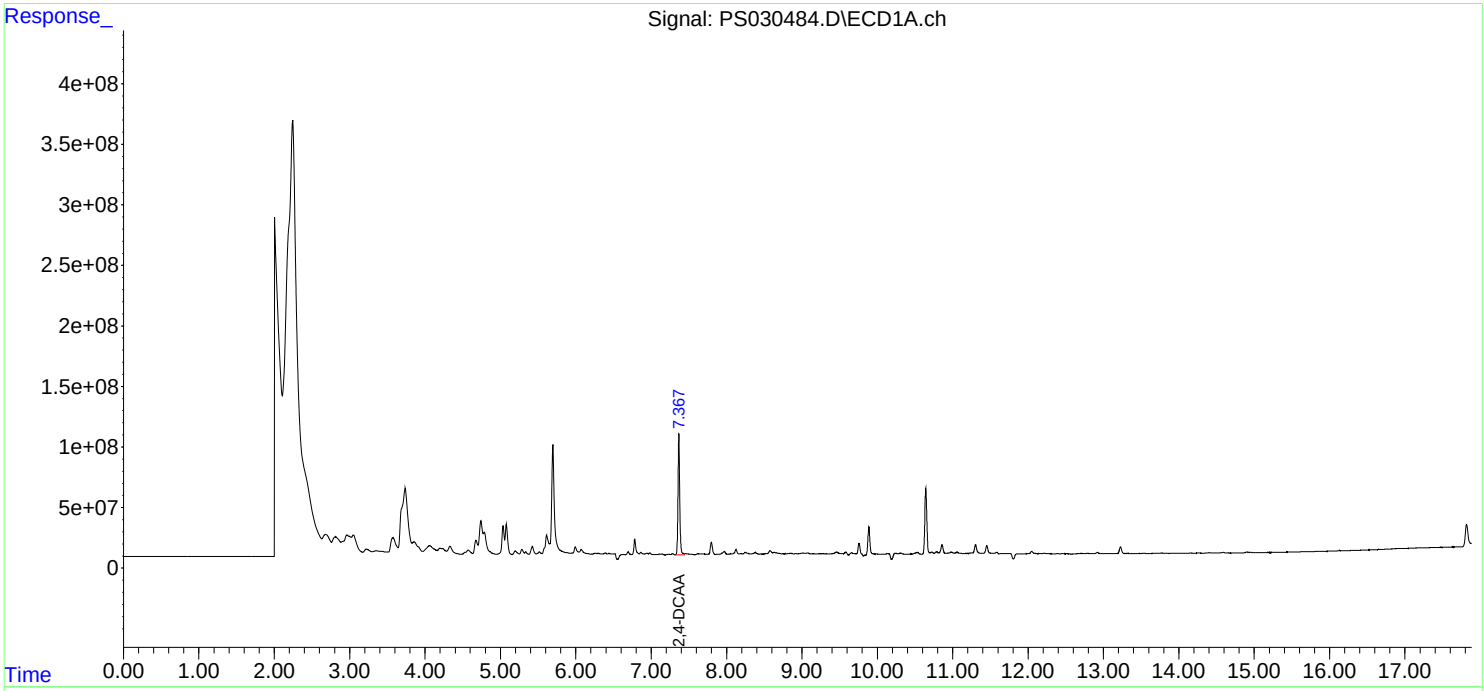
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

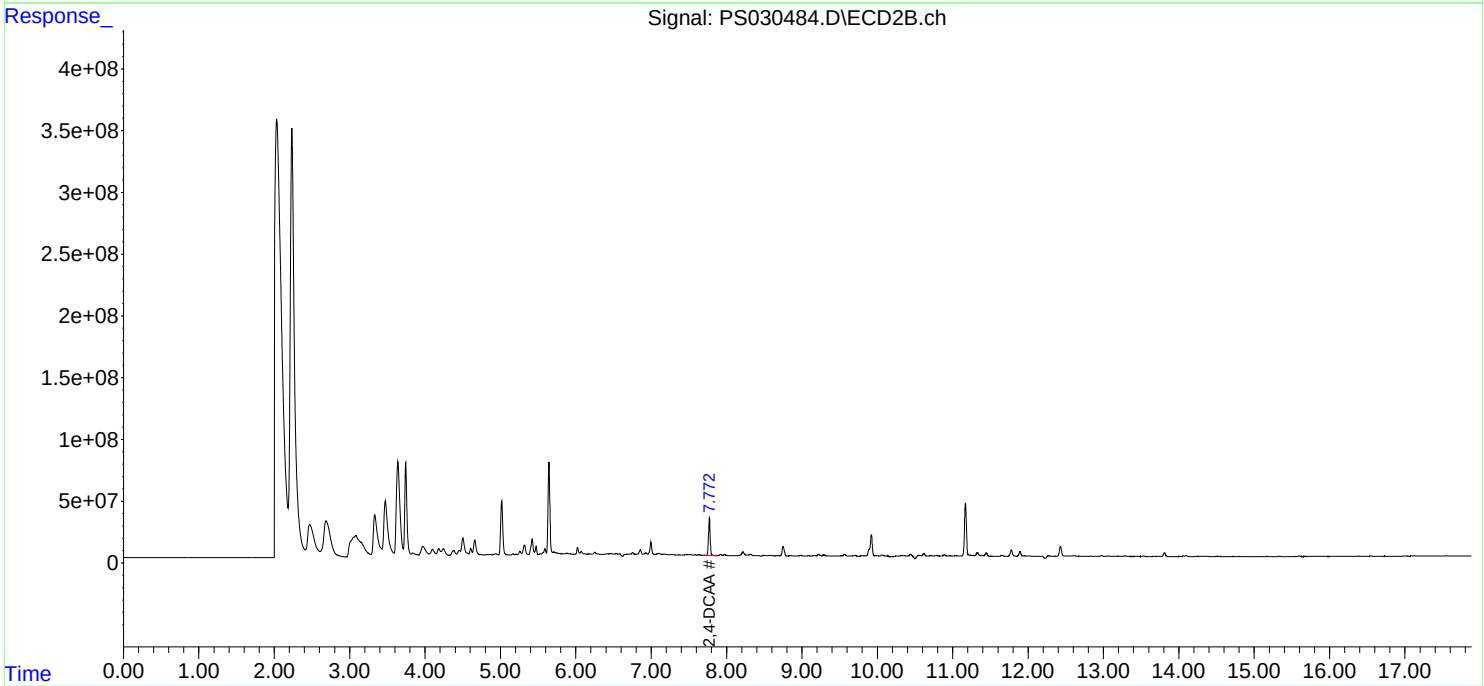
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060425\
Data File : PS030484.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Jun 2025 14:47
Operator : AR\AJ
Sample : PB168207BL
Misc :
ALS Vial : 4 Sample Multiplier: 1

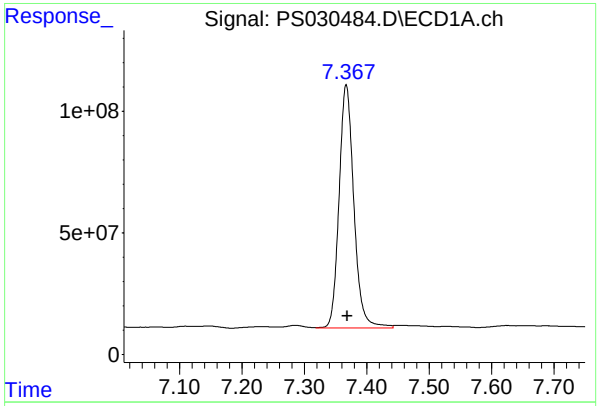
Instrument :
ECD_S
ClientSampleId :
PB168207BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 15:10:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
Quant Title : 8080.M
QLast Update : Wed Jun 04 13:21:22 2025
Response via : Initial Calibration
Integrator: ChemStation

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



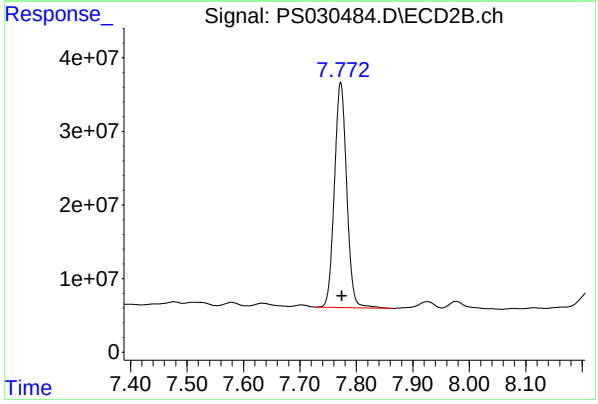




#4 2,4-DCAA

R.T.: 7.367 min
Delta R.T.: -0.002 min
Response: 1644946887
Conc: 435.73 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB168207BL



#4 2,4-DCAA

R.T.: 7.772 min
Delta R.T.: -0.002 min
Response: 462375075
Conc: 429.87 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060425\
Data File : PS030485.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Jun 2025 15:12
Operator : AR\AJ
Sample : PB168207BS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
PB168207BS

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 15:43:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
Quant Title : 8080.M
QLast Update : Wed Jun 04 13:21:22 2025
Response via : Initial Calibration
Integrator: ChemStation

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

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
		System Monitoring Compounds						
4)	S	2,4-DCAA	7.367	7.773	1989.2E6	530.4E6	526.930m	493.135
		Target Compounds						
1)	T	Dalapon	2.715	2.712	2611.4E6	1233.4E6	462.447	450.146
2)	T	3,5-DICHL...	6.523	6.716	2601.5E6	725.3E6	479.414	463.662
3)	T	4-Nitroph...	7.166	7.303	848.5E6	701.4E6	462.728	447.564
5)	T	DICAMBA	7.559	7.977	7469.4E6	2992.9E6	484.318	464.621
6)	T	MCPP	7.741	8.075	450.3E6	107.1E6	45.461	46.328
7)	T	MCPA	7.891	8.323	574.5E6	145.6E6	45.275	47.179m
8)	T	DICHLORPROP	8.276	8.697	1746.1E6	695.8E6	479.936	468.776
9)	T	2,4-D	8.509	9.033	1755.0E6	740.0E6	481.678	470.641
10)	T	Pentachlo...	8.818	9.560	26971.2E6	17602.3E6	531.073	487.086
11)	T	2,4,5-TP ...	9.400	9.940	10265.9E6	6543.0E6	496.776	477.011
12)	T	2,4,5-T	9.696	10.367	9024.1E6	6223.0E6	489.616	476.596
13)	T	2,4-DB	10.276	10.934	1442.1E6	544.7E6	474.944	473.798
14)	T	DINOSEB	11.498	11.320	7002.9E6	4709.6E6	487.164	468.610
15)	T	Picloram	11.303	12.428	8978.6E6	9976.2E6	448.822	451.741
16)	T	DCPA	11.793	12.365	13352.2E6	9882.0E6	504.998	482.922

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

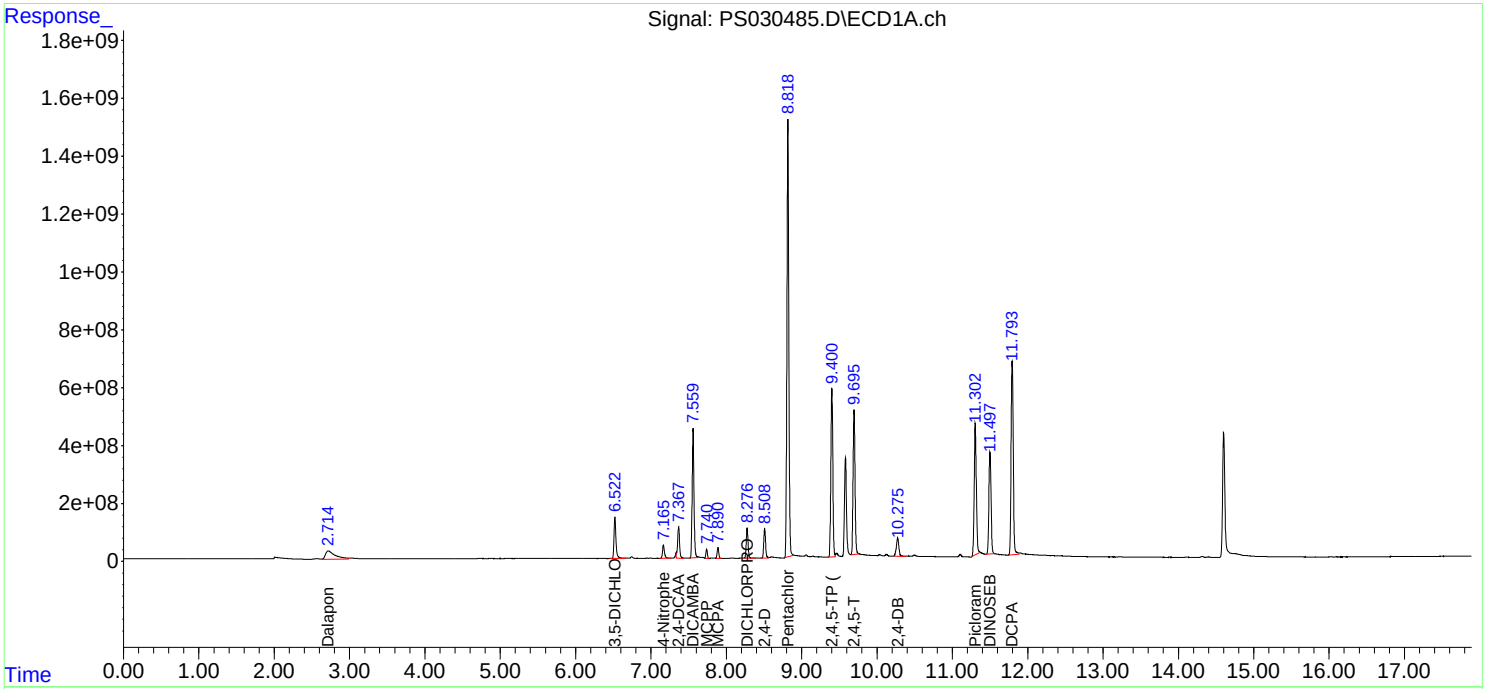
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060425\
Data File : PS030485.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Jun 2025 15:12
Operator : AR\AJ
Sample : PB168207BS
Misc :
ALS Vial : 5 Sample Multiplier: 1

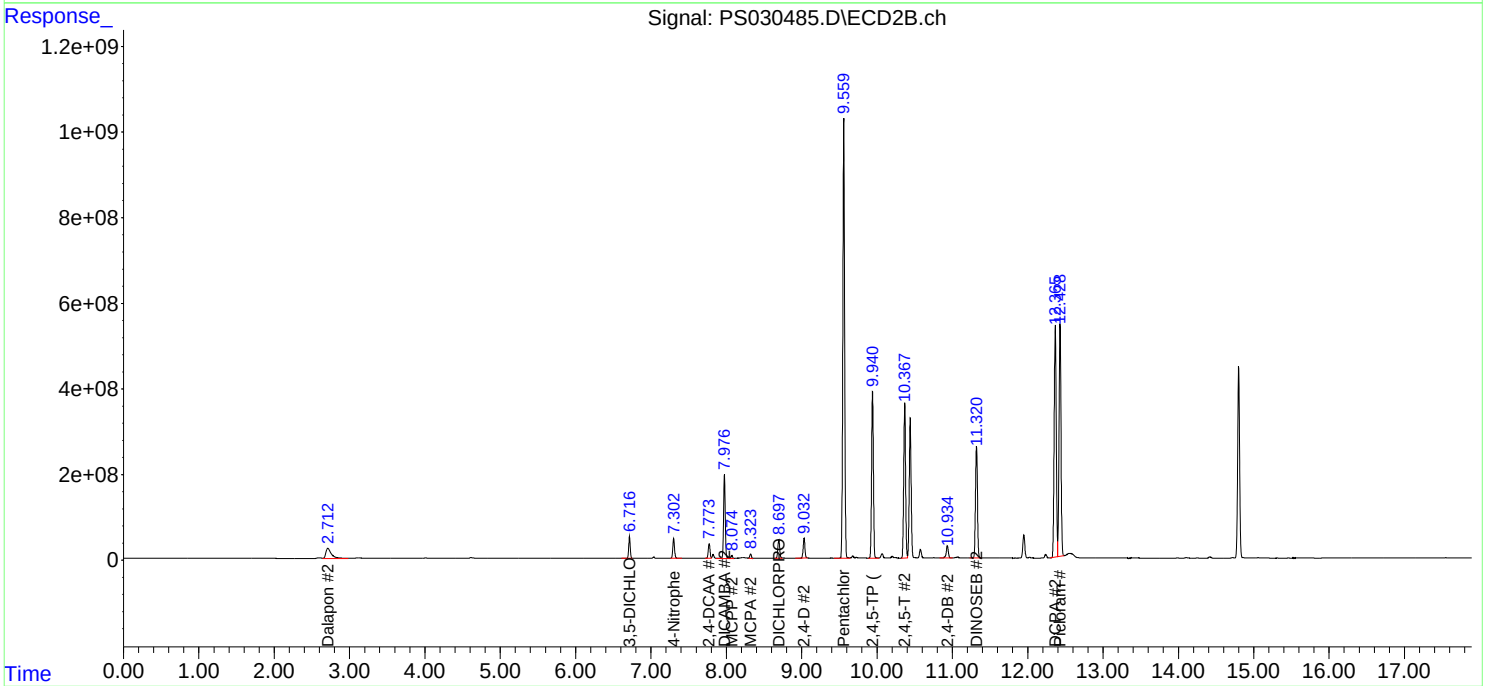
Instrument :
ECD_S
ClientSampleId :
PB168207BS

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 15:43:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
Quant Title : 8080.M
QLast Update : Wed Jun 04 13:21:22 2025
Response via : Initial Calibration
Integrator: ChemStation

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





Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060925\
Data File : PS030577.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Jun 2025 18:41
Operator : AR\AJ
Sample : Q2130-01MS
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
TP-3MS

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 06/10/2025
Supervised By :mohammad ahmed 06/11/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 10 02:56:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
Quant Title : 8080.M
QLast Update : Wed Jun 04 13:21:22 2025
Response via : Initial Calibration
Integrator: ChemStation

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

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
		System Monitoring Compounds						
4)	S	2,4-DCAA	7.360	7.768	951.2E6	226.3E6	251.970	210.389m
		Target Compounds						
1)	T	Dalapon	2.706	2.701	423.4E6	1701.5E6	74.973m	621.000 #
2)	T	3,5-DICHL...	6.518	6.713	1294.6E6	365.4E6	238.585	233.579m
3)	T	4-Nitroph...	7.159	7.300	376.7E6	334.8E6	205.446	213.611
5)	T	DICAMBA	7.551	7.972	3465.6E6	1367.5E6	224.711	212.292m
6)	T	MCPP	7.730	8.069	172.3E6	37292474	17.395m	16.133
7)	T	MCPA	7.881	8.315	242.8E6	63050131	19.137	20.432m
8)	T	DICHLORPROP	8.267	8.692	918.7E6	368.2E6	252.512	248.064
9)	T	2,4-D	8.499	9.028	983.1E6	361.0E6	269.802	229.588
10)	T	Pentachlo...	8.808	9.554	12803.2E6	8135.5E6	252.099	225.122
11)	T	2,4,5-TP ...	9.390	9.935	4944.6E6	3455.9E6	239.273	251.945
12)	T	2,4,5-T	9.685	10.360	3991.6E6	2908.9E6	216.570	222.786
13)	T	2,4-DB	10.265	10.927	384.8E6	234.1E6	126.719m	203.640 #
14)	T	DINOSEB	11.486	11.315	637.2E6	553.2E6	44.326	55.045
15)	T	Picloram	11.291	12.422	3268.1E6	3660.6E6	163.367m	165.760m
16)	T	DCPA	11.780	12.358	4928.4E6	4615.7E6	186.400	225.564m

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

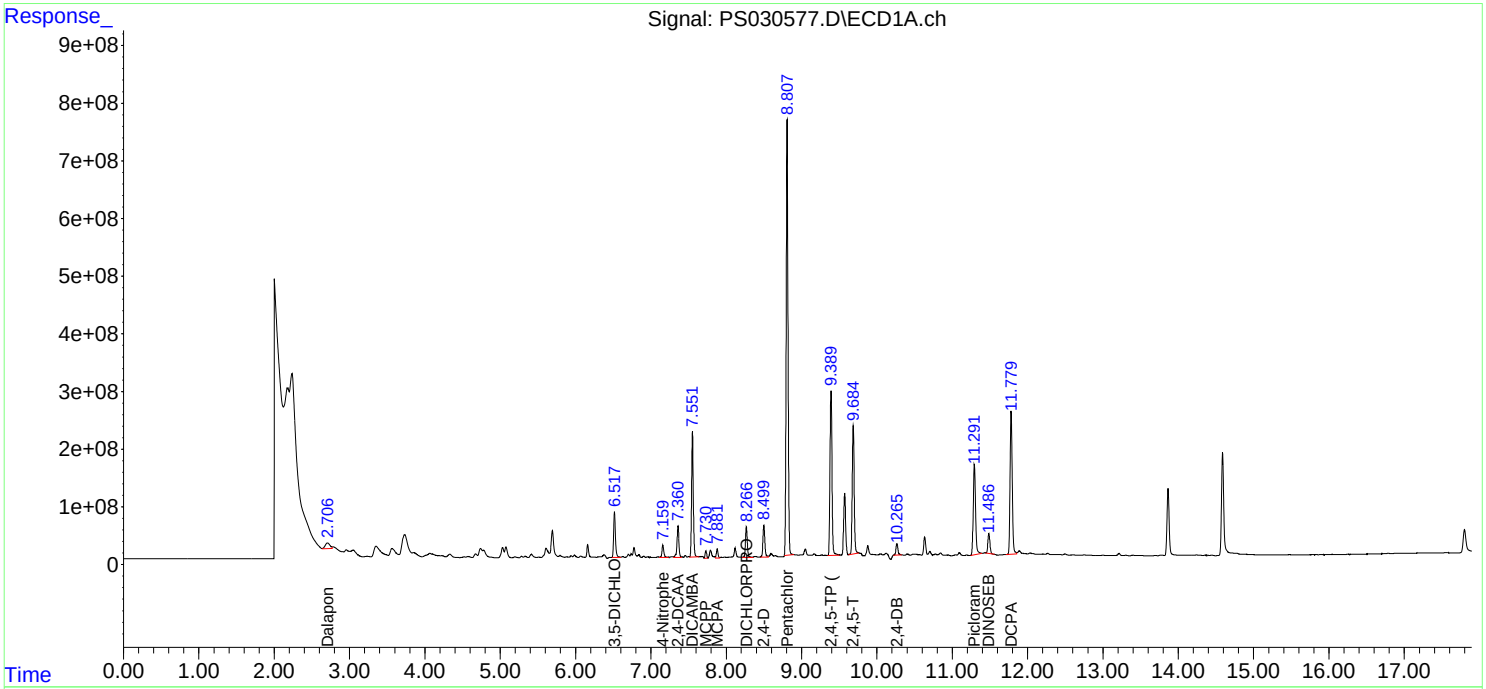
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060925\
Data File : PS030577.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Jun 2025 18:41
Operator : AR\AJ
Sample : Q2130-01MS
Misc :
ALS Vial : 15 Sample Multiplier: 1

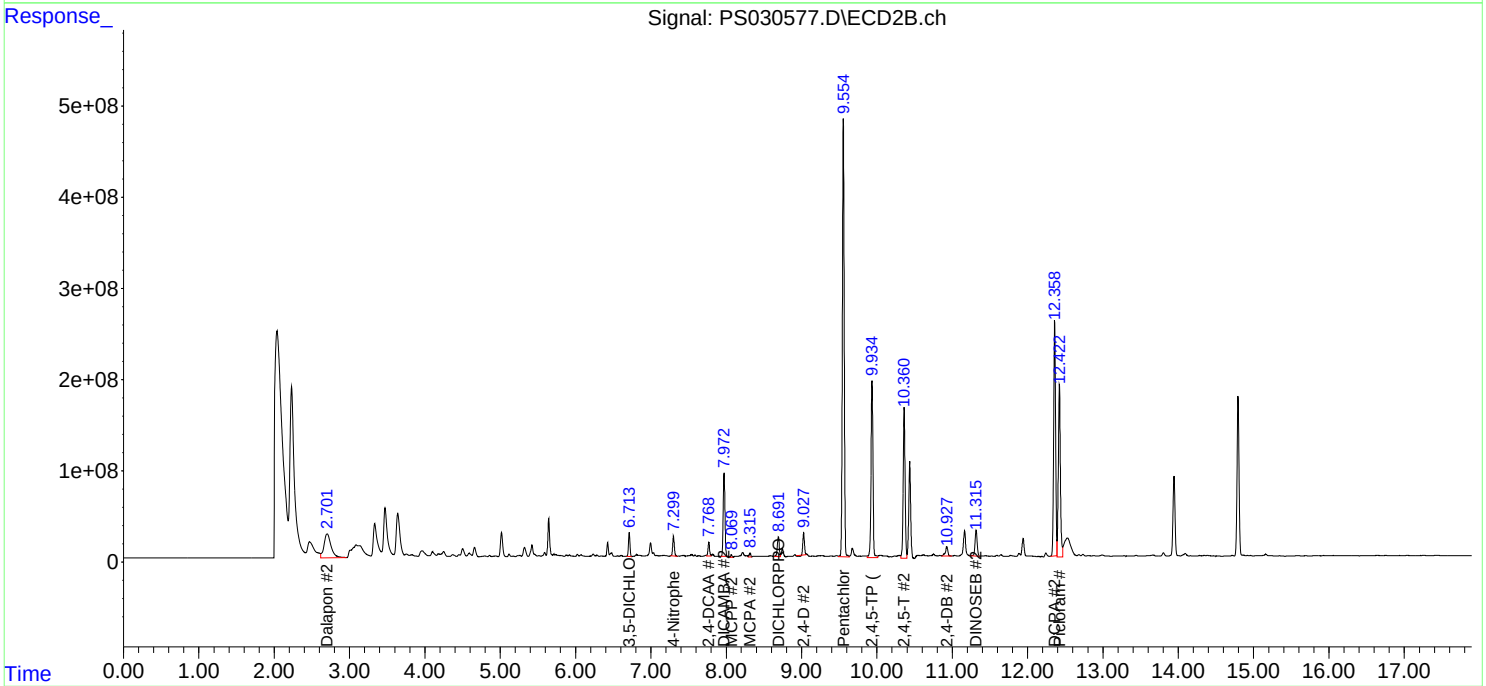
Instrument :
ECD_S
ClientSampleId :
TP-3MS

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 06/10/2025
Supervised By :mohammad ahmed 06/11/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 10 02:56:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
Quant Title : 8080.M
QLast Update : Wed Jun 04 13:21:22 2025
Response via : Initial Calibration
Integrator: ChemStation

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





Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060925\
Data File : PS030578.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Jun 2025 19:05
Operator : AR\AJ
Sample : Q2130-01MSD
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
TP-3MSD

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 06/10/2025
Supervised By :mohammad ahmed 06/11/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 10 02:56:17 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
Quant Title : 8080.M
QLast Update : Wed Jun 04 13:21:22 2025
Response via : Initial Calibration
Integrator: ChemStation

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

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
		System Monitoring Compounds						
4)	S	2,4-DCAA	7.360	7.768	945.1E6	221.1E6	250.359	205.578m
		Target Compounds						
1)	T	Dalapon	2.705	2.703	410.9E6	1668.9E6	72.772m	609.080 #
2)	T	3,5-DICHL...	6.518	6.714	1281.2E6	363.5E6	236.112	232.388m
3)	T	4-Nitroph...	7.159	7.300	378.6E6	334.3E6	206.465	213.290
5)	T	DICAMBA	7.552	7.972	3454.8E6	1367.1E6	224.013	212.232m
6)	T	MCPP	7.731	8.069	185.1E6	36388576	18.692m	15.742
7)	T	MCPA	7.881	8.315	244.2E6	61882677	19.244	20.053m
8)	T	DICHLORPROP	8.268	8.692	913.2E6	367.2E6	250.994	247.402
9)	T	2,4-D	8.499	9.027	982.6E6	404.2E6	269.679	257.092m
10)	T	Pentachlo...	8.808	9.554	12664.6E6	8049.7E6	249.371	222.749
11)	T	2,4,5-TP ...	9.390	9.934	4917.9E6	3428.4E6	237.979	249.939
12)	T	2,4,5-T	9.685	10.361	4019.1E6	2893.6E6	218.059	221.610
13)	T	2,4-DB	10.265	10.928	369.9E6	233.0E6	121.833m	202.688 #
14)	T	DINOSEB	11.487	11.315	634.8E6	548.6E6	44.160	54.587
15)	T	Picloram	11.292	12.422	3310.3E6	3579.2E6	165.473m	162.072m
16)	T	DCPA	11.779	12.358	4901.6E6	4554.7E6	185.384	222.584m

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

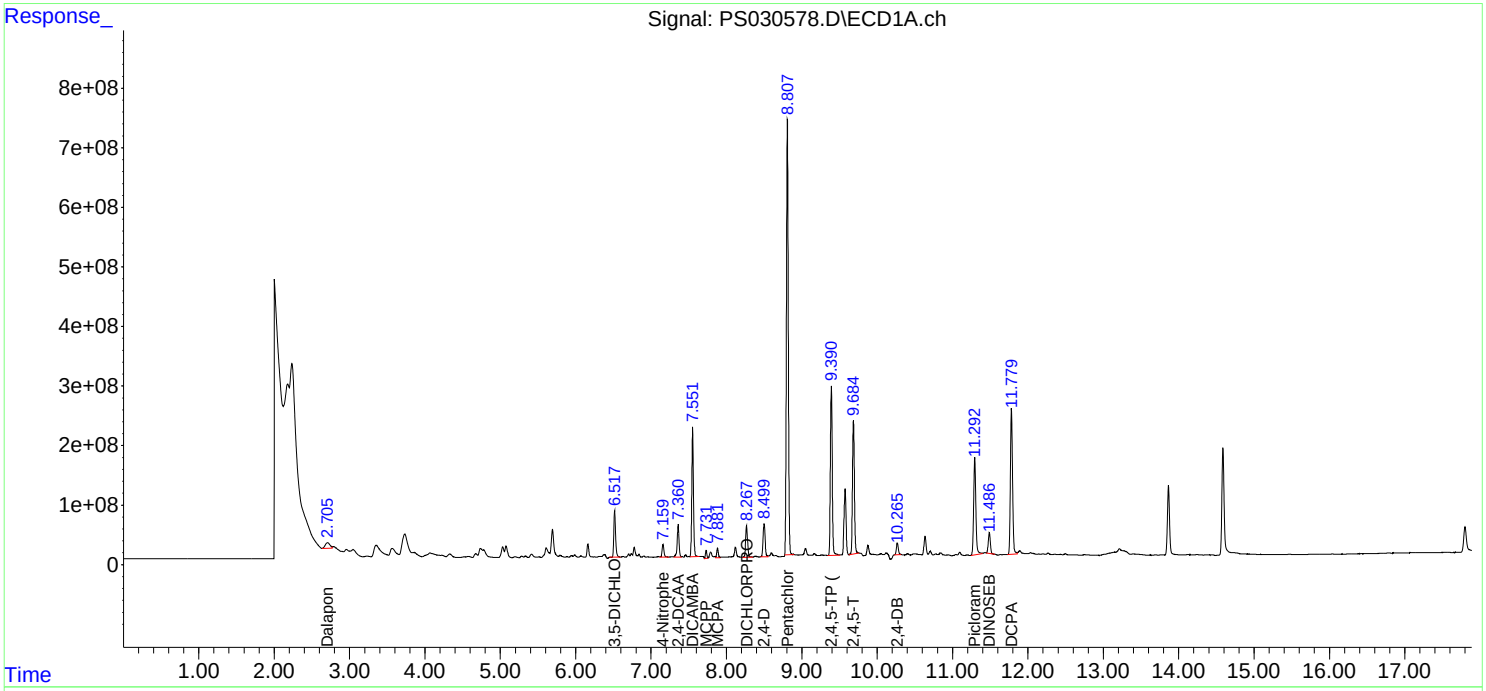
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060925\
Data File : PS030578.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Jun 2025 19:05
Operator : AR\AJ
Sample : Q2130-01MSD
Misc :
ALS Vial : 16 Sample Multiplier: 1

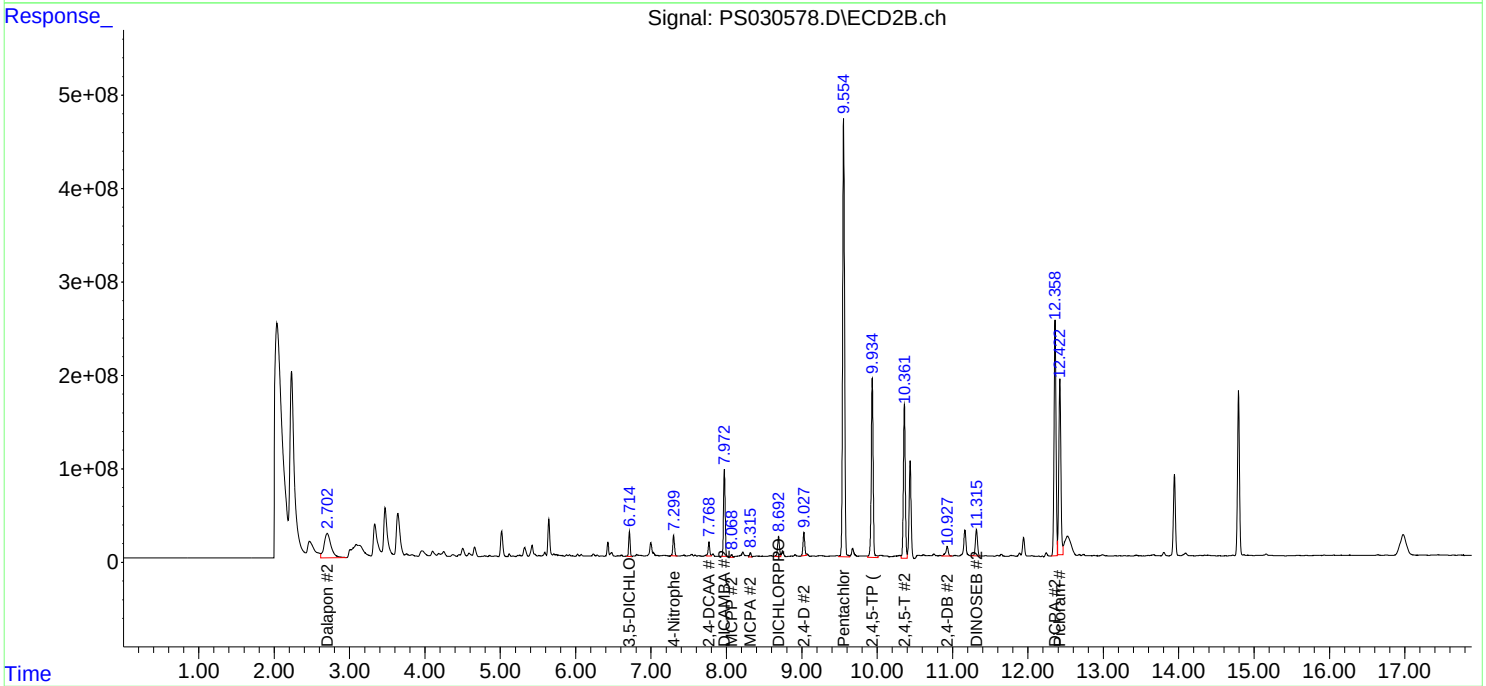
Instrument :
ECD_S
ClientSampleId :
TP-3MSD

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 06/10/2025
Supervised By :mohammad ahmed 06/11/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 10 02:56:17 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
Quant Title : 8080.M
QLast Update : Wed Jun 04 13:21:22 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:	Ps060225	Instrument	ECD_s

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
HSTDICC200	PS030437.D	DCPA #2	Abdul	6/3/2025 8:48:52 AM	mohammad	6/4/2025 3:10:52	Peak Integrated by Software
HSTDICC200	PS030437.D	Picloram #2	Abdul	6/3/2025 8:48:52 AM	mohammad	6/4/2025 3:10:52	Peak Integrated by Software
HSTDICC500	PS030438.D	DCPA #2	Abdul	6/3/2025 8:48:55 AM	mohammad	6/4/2025 3:10:52	Peak Integrated by Software
HSTDICC500	PS030438.D	Picloram #2	Abdul	6/3/2025 8:48:55 AM	mohammad	6/4/2025 3:10:52	Peak Integrated by Software
HSTDICC750	PS030439.D	DCPA #2	Abdul	6/3/2025 8:48:59 AM	mohammad	6/4/2025 3:10:52	Peak Integrated by Software
HSTDICC750	PS030439.D	Picloram #2	Abdul	6/3/2025 8:48:59 AM	mohammad	6/4/2025 3:10:52	Peak Integrated by Software
HSTDICC1000	PS030440.D	DCPA #2	Abdul	6/3/2025 8:49:06 AM	mohammad	6/4/2025 3:10:52	Peak Integrated by Software
HSTDICC1000	PS030440.D	Picloram #2	Abdul	6/3/2025 8:49:06 AM	mohammad	6/4/2025 3:10:52	Peak Integrated by Software
HSTDICC1500	PS030441.D	DCPA #2	Abdul	6/3/2025 8:49:11 AM	mohammad	6/4/2025 3:10:52	Peak Integrated by Software
HSTDICC1500	PS030441.D	Picloram #2	Abdul	6/3/2025 8:49:11 AM	mohammad	6/4/2025 3:10:52	Peak Integrated by Software
HSTDICV750	PS030442.D	DCPA #2	Abdul	6/3/2025 8:49:14 AM	mohammad	6/4/2025 3:10:52	Peak Integrated by Software
HSTDICV750	PS030442.D	Picloram #2	Abdul	6/3/2025 8:49:14 AM	mohammad	6/4/2025 3:10:52	Peak Integrated by Software
HSTDCCC750	PS030444.D	DCPA #2	Abdul	6/3/2025 8:49:18 AM	mohammad	6/4/2025 3:10:52	Peak Integrated by Software

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Manual Integration Report

Sequence:	Ps060225	Instrument	ECD_s

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
HSTDCCC750	PS030444.D	Picloram #2	Abdul	6/3/2025 8:49:18 AM	mohammad	6/4/2025 3:10:52	Peak Integrated by Software
HSTDCCC750	PS030456.D	DCPA #2	Abdul	6/3/2025 8:47:59 AM	mohammad	6/4/2025 3:10:52	Peak Integrated by Software
HSTDCCC750	PS030456.D	Picloram #2	Abdul	6/3/2025 8:47:59 AM	mohammad	6/4/2025 3:10:52	Peak Integrated by Software
Q2150-01	PS030460.D	2,4-DCAA #2	Abdul	6/3/2025 8:48:10 AM	mohammad	6/4/2025 3:10:52	Peak Integrated by Software
Q2150-02	PS030461.D	2,4-DCAA #2	Abdul	6/3/2025 8:48:13 AM	mohammad	6/4/2025 3:10:52	Peak Integrated by Software
HSTDCCC750	PS030467.D	DCPA #2	Abdul	6/3/2025 8:48:18 AM	mohammad	6/4/2025 3:10:52	Peak Integrated by Software
HSTDCCC750	PS030467.D	Picloram #2	Abdul	6/3/2025 8:48:18 AM	mohammad	6/4/2025 3:10:52	Peak Integrated by Software
Q2150-08	PS030469.D	2,4-DCAA #2	Abdul	6/3/2025 8:48:22 AM	mohammad	6/4/2025 3:10:52	Peak Integrated by Software
HSTDCCC750	PS030473.D	DCPA #2	Abdul	6/3/2025 8:47:40 AM	mohammad	6/4/2025 3:10:52	Peak Integrated by Software
HSTDCCC750	PS030473.D	Picloram #2	Abdul	6/3/2025 8:47:40 AM	mohammad	6/4/2025 3:10:52	Peak Integrated by Software

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Manual Integration Report

Sequence:	PS060425	Instrument	ECD_s

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
HSTDICC200	PS030476.D	2,4-DCAA	Abdul	6/5/2025 8:32:30 AM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
HSTDICC200	PS030476.D	MCPA #2	Abdul	6/5/2025 8:32:30 AM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
HSTDICC500	PS030477.D	2,4-DCAA	Abdul	6/5/2025 8:32:34 AM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
HSTDICC750	PS030478.D	2,4-DCAA	Abdul	6/5/2025 8:32:37 AM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
HSTDICC1000	PS030479.D	2,4-DCAA	Abdul	6/5/2025 8:32:40 AM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
HSTDICC1500	PS030480.D	2,4-DCAA	Abdul	6/5/2025 8:32:44 AM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
HSTDICC1500	PS030480.D	MCPA #2	Abdul	6/5/2025 8:32:44 AM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
HSTDICV750	PS030481.D	2,4-DCAA	Abdul	6/5/2025 8:32:48 AM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
HSTDCCC750	PS030483.D	2,4-DCAA	Abdul	6/5/2025 8:32:51 AM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
HSTDCCC750	PS030483.D	MCPA #2	Abdul	6/5/2025 8:32:51 AM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
PB168207BS	PS030485.D	2,4-DCAA	Abdul	6/5/2025 8:32:55 AM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
PB168207BS	PS030485.D	MCPA #2	Abdul	6/5/2025 8:32:55 AM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
HSTDCCC750	PS030489.D	2,4-DB #2	Abdul	6/5/2025 8:33:07 AM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software

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Manual Integration Report

Sequence:	PS060425	Instrument	ECD_s

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
HSTDCCC750	PS030489.D	2,4-DCAA	Abdul	6/5/2025 8:33:07 AM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
HSTDCCC750	PS030489.D	MCPA #2	Abdul	6/5/2025 8:33:07 AM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
HSTDCCC750	PS030497.D	2,4-DCAA	Abdul	6/5/2025 3:53:26 PM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
HSTDCCC750	PS030506.D	2,4-DCAA	Abdul	6/5/2025 11:55:40 AM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
HSTDCCC750	PS030516.D	2,4-D #2	Abdul	6/5/2025 3:54:14 PM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
HSTDCCC750	PS030516.D	2,4-DCAA	Abdul	6/5/2025 3:54:14 PM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
HSTDCCC750	PS030516.D	MCPA #2	Abdul	6/5/2025 3:54:14 PM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
HSTDCCC750	PS030516.D	Picloram	Abdul	6/5/2025 3:54:14 PM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
HSTDCCC750	PS030526.D	2,4-D #2	Abdul	6/5/2025 3:54:18 PM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
HSTDCCC750	PS030526.D	2,4-DCAA	Abdul	6/5/2025 3:54:18 PM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
HSTDCCC750	PS030526.D	DCPA #2	Abdul	6/5/2025 3:54:18 PM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
HSTDCCC750	PS030526.D	MCPA #2	Abdul	6/5/2025 3:54:18 PM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
HSTDCCC750	PS030526.D	Picloram	Abdul	6/5/2025 3:54:18 PM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software

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Manual Integration Report

Sequence:	PS060425	Instrument	ECD_s

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason

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Manual Integration Report

Sequence:	ps060925	Instrument	ECD_s

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
HSTDCCC750	PS030563.D	2,4-DB	Abdul	6/10/2025 10:45:04 AM	mohammad	6/11/2025 2:16:12	Peak Integrated by Software
HSTDCCC750	PS030563.D	2,4-DCAA	Abdul	6/10/2025 10:45:04 AM	mohammad	6/11/2025 2:16:12	Peak Integrated by Software
HSTDCCC750	PS030563.D	DCPA #2	Abdul	6/10/2025 10:45:04 AM	mohammad	6/11/2025 2:16:12	Peak Integrated by Software
HSTDCCC750	PS030563.D	MCPP	Abdul	6/10/2025 10:45:04 AM	mohammad	6/11/2025 2:16:12	Peak Integrated by Software
HSTDCCC750	PS030563.D	Picloram	Abdul	6/10/2025 10:45:04 AM	mohammad	6/11/2025 2:16:12	Peak Integrated by Software
HSTDCCC750	PS030575.D	2,4-DCAA	Abdul	6/10/2025 10:45:20 AM	mohammad	6/11/2025 2:16:12	Peak Integrated by Software
HSTDCCC750	PS030575.D	DCPA #2	Abdul	6/10/2025 10:45:20 AM	mohammad	6/11/2025 2:16:12	Peak Integrated by Software
HSTDCCC750	PS030575.D	MCPP	Abdul	6/10/2025 10:45:20 AM	mohammad	6/11/2025 2:16:12	Peak Integrated by Software
HSTDCCC750	PS030575.D	Picloram	Abdul	6/10/2025 10:45:20 AM	mohammad	6/11/2025 2:16:12	Peak Integrated by Software
Q2130-01MS	PS030577.D	2,4-DB	Abdul	6/10/2025 1:52:04 PM	mohammad	6/11/2025 2:16:12	Peak Integrated by Software
Q2130-01MS	PS030577.D	2,4-DCAA #2	Abdul	6/10/2025 1:52:04 PM	mohammad	6/11/2025 2:16:12	Peak Integrated by Software
Q2130-01MS	PS030577.D	3,5-DICHLOROBENZOIC ACID #2	Abdul	6/10/2025 1:52:04 PM	mohammad	6/11/2025 2:16:12	Peak Integrated by Software
Q2130-01MS	PS030577.D	Dalapon	Abdul	6/10/2025 1:52:04 PM	mohammad	6/11/2025 2:16:12	Peak Integrated by Software

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Manual Integration Report

Sequence:	ps060925	Instrument	ECD_s

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2130-01MS	PS030577.D	DCPA #2	Abdul	6/10/2025 1:52:04 PM	mohammad	6/11/2025 2:16:12	Peak Integrated by Software
Q2130-01MS	PS030577.D	DICAMBA #2	Abdul	6/10/2025 1:52:04 PM	mohammad	6/11/2025 2:16:12	Peak Integrated by Software
Q2130-01MS	PS030577.D	MCPA #2	Abdul	6/10/2025 1:52:04 PM	mohammad	6/11/2025 2:16:12	Peak Integrated by Software
Q2130-01MS	PS030577.D	MCPP	Abdul	6/10/2025 1:52:04 PM	mohammad	6/11/2025 2:16:12	Peak Integrated by Software
Q2130-01MS	PS030577.D	Picloram	Abdul	6/10/2025 1:52:04 PM	mohammad	6/11/2025 2:16:12	Peak Integrated by Software
Q2130-01MS	PS030577.D	Picloram #2	Abdul	6/10/2025 1:52:04 PM	mohammad	6/11/2025 2:16:12	Peak Integrated by Software
Q2130-01MSD	PS030578.D	2,4-D #2	Abdul	6/10/2025 10:45:32 AM	mohammad	6/11/2025 2:16:12	Peak Integrated by Software
Q2130-01MSD	PS030578.D	2,4-DB	Abdul	6/10/2025 10:45:32 AM	mohammad	6/11/2025 2:16:12	Peak Integrated by Software
Q2130-01MSD	PS030578.D	2,4-DCAA #2	Abdul	6/10/2025 10:45:32 AM	mohammad	6/11/2025 2:16:12	Peak Integrated by Software
Q2130-01MSD	PS030578.D	3,5-DICHLOROBENZOIC ACID #2	Abdul	6/10/2025 10:45:32 AM	mohammad	6/11/2025 2:16:12	Peak Integrated by Software
Q2130-01MSD	PS030578.D	Dalapon	Abdul	6/10/2025 10:45:32 AM	mohammad	6/11/2025 2:16:12	Peak Integrated by Software
Q2130-01MSD	PS030578.D	DCPA #2	Abdul	6/10/2025 10:45:32 AM	mohammad	6/11/2025 2:16:12	Peak Integrated by Software
Q2130-01MSD	PS030578.D	DICAMBA #2	Abdul	6/10/2025 10:45:32 AM	mohammad	6/11/2025 2:16:12	Peak Integrated by Software

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Manual Integration Report

Sequence:	ps060925	Instrument	ECD_s

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2130-01MSD	PS030578.D	MCPA #2	Abdul	6/10/2025 10:45:32 AM	mohammad	6/11/2025 2:16:12	Peak Integrated by Software
Q2130-01MSD	PS030578.D	MCPP	Abdul	6/10/2025 10:45:32 AM	mohammad	6/11/2025 2:16:12	Peak Integrated by Software
Q2130-01MSD	PS030578.D	Picloram	Abdul	6/10/2025 10:45:32 AM	mohammad	6/11/2025 2:16:12	Peak Integrated by Software
Q2130-01MSD	PS030578.D	Picloram #2	Abdul	6/10/2025 10:45:32 AM	mohammad	6/11/2025 2:16:12	Peak Integrated by Software
HSTDCCC750	PS030580.D	2,4-DCAA	Abdul	6/10/2025 10:45:36 AM	mohammad	6/11/2025 2:16:12	Peak Integrated by Software
HSTDCCC750	PS030580.D	DCPA #2	Abdul	6/10/2025 10:45:36 AM	mohammad	6/11/2025 2:16:12	Peak Integrated by Software
HSTDCCC750	PS030580.D	MCPP	Abdul	6/10/2025 10:45:36 AM	mohammad	6/11/2025 2:16:12	Peak Integrated by Software
HSTDCCC750	PS030580.D	Picloram	Abdul	6/10/2025 10:45:36 AM	mohammad	6/11/2025 2:16:12	Peak Integrated by Software
HSTDCCC750	PS030591.D	2,4-DCAA	Abdul	6/10/2025 10:45:51 AM	mohammad	6/11/2025 2:16:12	Peak Integrated by Software
HSTDCCC750	PS030591.D	DCPA #2	Abdul	6/10/2025 10:45:51 AM	mohammad	6/11/2025 2:16:12	Peak Integrated by Software
HSTDCCC750	PS030591.D	MCPP	Abdul	6/10/2025 10:45:51 AM	mohammad	6/11/2025 2:16:12	Peak Integrated by Software
HSTDCCC750	PS030591.D	Picloram	Abdul	6/10/2025 10:45:51 AM	mohammad	6/11/2025 2:16:12	Peak Integrated by Software

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Manual Integration Report

Sequence:	ps060925	Instrument	ECD_s

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason

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Manual Integration Report

Sequence:	ps061125	Instrument	ECD_s

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
HSTDCCC750	PS030621.D	2,4-DCAA	Abdul	6/12/2025 8:12:05 AM	mohammad	6/12/2025 8:34:14	Peak Integrated by Software
HSTDCCC750	PS030621.D	DCPA #2	Abdul	6/12/2025 8:12:05 AM	mohammad	6/12/2025 8:34:14	Peak Integrated by Software
HSTDCCC750	PS030621.D	MCPP	Abdul	6/12/2025 8:12:05 AM	mohammad	6/12/2025 8:34:14	Peak Integrated by Software
HSTDCCC750	PS030621.D	Pentachlorophenol	Abdul	6/12/2025 8:12:05 AM	mohammad	6/12/2025 8:34:14	Peak Integrated by Software
HSTDCCC750	PS030621.D	Picloram	Abdul	6/12/2025 8:12:05 AM	mohammad	6/12/2025 8:34:14	Peak Integrated by Software
HSTDCCC750	PS030630.D	2,4-DCAA	Abdul	6/12/2025 8:12:23 AM	mohammad	6/12/2025 8:34:14	Peak Integrated by Software
HSTDCCC750	PS030630.D	MCPP	Abdul	6/12/2025 8:12:23 AM	mohammad	6/12/2025 8:34:14	Peak Integrated by Software
HSTDCCC750	PS030630.D	Pentachlorophenol	Abdul	6/12/2025 8:12:23 AM	mohammad	6/12/2025 8:34:14	Peak Integrated by Software
HSTDCCC750	PS030630.D	Picloram	Abdul	6/12/2025 8:12:23 AM	mohammad	6/12/2025 8:34:14	Peak Integrated by Software
HSTDCCC750	PS030633.D	2,4-DCAA	Abdul	6/12/2025 8:12:29 AM	mohammad	6/12/2025 8:34:14	Peak Integrated by Software
HSTDCCC750	PS030633.D	DCPA #2	Abdul	6/12/2025 8:12:29 AM	mohammad	6/12/2025 8:34:14	Peak Integrated by Software
HSTDCCC750	PS030633.D	DINOSEB	Abdul	6/12/2025 8:12:29 AM	mohammad	6/12/2025 8:34:14	Peak Integrated by Software
HSTDCCC750	PS030633.D	MCPP	Abdul	6/12/2025 8:12:29 AM	mohammad	6/12/2025 8:34:14	Peak Integrated by Software

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Manual Integration Report

Sequence:	ps061125	Instrument	ECD_s

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
HSTDCCC750	PS030633.D	Pentachlorophenol	Abdul	6/12/2025 8:12:29 AM	mohammad	6/12/2025 8:34:14	Peak Integrated by Software
HSTDCCC750	PS030633.D	Picloram	Abdul	6/12/2025 8:12:29 AM	mohammad	6/12/2025 8:34:14	Peak Integrated by Software

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Fax : 908 789 8922

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS060225

Review By	Abdul	Review On	6/3/2025 8:50:21 AM		
Supervise By	mohammad	Supervise On	6/4/2025 3:10:52 AM		
SubDirectory	PS060225	HP Acquire Method		HP Processing Method	ps060225 8151

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24553,PP24554,PP24556,PP24557,PP24558,PP24559,PP24560
CCC	PP24559
Internal Standard/PEM	
ICV/I.BLK	PP24562
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PS030435.D	02 Jun 2025 08:25	AR\AJ	Ok
2	I.BLK	PS030436.D	02 Jun 2025 08:49	AR\AJ	Ok
3	HSTDICC200	PS030437.D	02 Jun 2025 09:13	AR\AJ	Ok,M
4	HSTDICC500	PS030438.D	02 Jun 2025 09:37	AR\AJ	Ok,M
5	HSTDICC750	PS030439.D	02 Jun 2025 10:01	AR\AJ	Ok,M
6	HSTDICC1000	PS030440.D	02 Jun 2025 10:25	AR\AJ	Ok,M
7	HSTDICC1500	PS030441.D	02 Jun 2025 10:49	AR\AJ	Ok,M
8	HSTDICV750	PS030442.D	02 Jun 2025 12:33	AR\AJ	Ok,M
9	I.BLK	PS030443.D	02 Jun 2025 12:57	AR\AJ	Ok
10	HSTDCCC750	PS030444.D	02 Jun 2025 13:21	AR\AJ	Ok,M
11	Q2136-05	PS030445.D	02 Jun 2025 13:45	AR\AJ	Ok,M
12	Q2136-05MS	PS030446.D	02 Jun 2025 14:09	AR\AJ	Ok,M
13	Q2136-05MSD	PS030447.D	02 Jun 2025 14:33	AR\AJ	Ok,M
14	PB168218BL	PS030448.D	02 Jun 2025 14:57	AR\AJ	Ok
15	PB168218BS	PS030449.D	02 Jun 2025 15:22	AR\AJ	Ok,M
16	PB168218TB	PS030450.D	02 Jun 2025 15:46	AR\AJ	Ok,M
17	Q2130-01	PS030451.D	02 Jun 2025 16:10	AR\AJ	Not Ok
18	Q2130-01MS	PS030452.D	02 Jun 2025 16:34	AR\AJ	Not Ok
19	Q2130-01MSD	PS030453.D	02 Jun 2025 16:58	AR\AJ	Not Ok
20	Q2146-01	PS030454.D	02 Jun 2025 17:22	AR\AJ	Ok,M
21	I.BLK	PS030455.D	02 Jun 2025 17:46	AR\AJ	Ok

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Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS060225

Review By	Abdul	Review On	6/3/2025 8:50:21 AM		
Supervise By	mohammad	Supervise On	6/4/2025 3:10:52 AM		
SubDirectory	PS060225	HP Acquire Method		HP Processing Method	ps060225 8151

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24553,PP24554,PP24556,PP24557,PP24558,PP24559,PP24560
CCC	PP24559
Internal Standard/PEM	
ICV/I.BLK	PP24562
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	HSTDCCC750	PS030456.D	02 Jun 2025 18:10	AR\AJ	Ok,M
23	PB168207BL	PS030457.D	02 Jun 2025 18:34	AR\AJ	Not Ok
24	PB168207BS	PS030458.D	02 Jun 2025 18:58	AR\AJ	Not Ok
25	Q2151-01	PS030459.D	02 Jun 2025 19:22	AR\AJ	Ok,M
26	Q2150-01	PS030460.D	02 Jun 2025 19:46	AR\AJ	Ok,M
27	Q2150-02	PS030461.D	02 Jun 2025 20:11	AR\AJ	Ok,M
28	Q2150-03	PS030462.D	02 Jun 2025 20:35	AR\AJ	Ok
29	Q2150-04	PS030463.D	02 Jun 2025 20:59	AR\AJ	Ok
30	Q2150-05	PS030464.D	02 Jun 2025 21:23	AR\AJ	Ok
31	Q2150-06	PS030465.D	02 Jun 2025 21:47	AR\AJ	Not Ok
32	I.BLK	PS030466.D	02 Jun 2025 22:11	AR\AJ	Ok
33	HSTDCCC750	PS030467.D	02 Jun 2025 22:35	AR\AJ	Ok,M
34	Q2150-07	PS030468.D	02 Jun 2025 22:59	AR\AJ	Ok
35	Q2150-08	PS030469.D	02 Jun 2025 23:23	AR\AJ	Ok,M
36	Q2150-09	PS030470.D	02 Jun 2025 23:47	AR\AJ	Ok
37	Q2150-10	PS030471.D	03 Jun 2025 00:11	AR\AJ	Ok
38	I.BLK	PS030472.D	03 Jun 2025 00:35	AR\AJ	Ok
39	HSTDCCC750	PS030473.D	03 Jun 2025 00:59	AR\AJ	Ok,M

M : Manual Integration

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Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS060425

Review By	Abdul	Review On	6/5/2025 8:33:42 AM		
Supervise By	mohammad	Supervise On	6/6/2025 2:02:33 AM		
SubDirectory	PS060425	HP Acquire Method		HP Processing Method	ps060425 8151

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24553,PP24554,PP24556,PP24557,PP24558,PP24559,PP24560
CCC	PP24559
Internal Standard/PEM	
ICV/I.BLK	PP24562
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PS030474.D	04 Jun 2025 10:31	AR\AJ	Ok
2	I.BLK	PS030475.D	04 Jun 2025 10:55	AR\AJ	Ok
3	HSTDICC200	PS030476.D	04 Jun 2025 11:19	AR\AJ	Ok,M
4	HSTDICC500	PS030477.D	04 Jun 2025 11:43	AR\AJ	Ok,M
5	HSTDICC750	PS030478.D	04 Jun 2025 12:07	AR\AJ	Ok,M
6	HSTDICC1000	PS030479.D	04 Jun 2025 12:31	AR\AJ	Ok,M
7	HSTDICC1500	PS030480.D	04 Jun 2025 12:55	AR\AJ	Ok,M
8	HSTDICV750	PS030481.D	04 Jun 2025 13:35	AR\AJ	Ok,M
9	I.BLK	PS030482.D	04 Jun 2025 13:59	AR\AJ	Ok
10	HSTDCCC750	PS030483.D	04 Jun 2025 14:23	AR\AJ	Ok,M
11	PB168207BL	PS030484.D	04 Jun 2025 14:47	AR\AJ	Ok
12	PB168207BS	PS030485.D	04 Jun 2025 15:12	AR\AJ	Ok,M
13	Q1872-17	PS030486.D	04 Jun 2025 15:36	AR\AJ	Dilution
14	Q1872-17DL	PS030487.D	04 Jun 2025 16:00	AR\AJ	Ok,M
15	I.BLK	PS030488.D	04 Jun 2025 16:26	AR\AJ	Ok
16	HSTDCCC750	PS030489.D	04 Jun 2025 16:50	AR\AJ	Ok,M
17	Q2159-01	PS030490.D	04 Jun 2025 17:14	AR\AJ	Ok
18	Q2160-01	PS030491.D	04 Jun 2025 17:38	AR\AJ	Ok
19	Q2160-05	PS030492.D	04 Jun 2025 18:02	AR\AJ	Ok
20	Q2173-06	PS030493.D	04 Jun 2025 18:26	AR\AJ	Ok,M
21	Q2173-12	PS030494.D	04 Jun 2025 18:51	AR\AJ	Ok,M

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Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS060425

Review By	Abdul	Review On	6/5/2025 8:33:42 AM		
Supervise By	mohammad	Supervise On	6/6/2025 2:02:33 AM		
SubDirectory	PS060425	HP Acquire Method		HP Processing Method	ps060425 8151

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24553,PP24554,PP24556,PP24557,PP24558,PP24559,PP24560
CCC	PP24559
Internal Standard/PEM	
ICV/I.BLK	PP24562
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q2173-18	PS030495.D	04 Jun 2025 19:15	AR\AJ	Ok,M
23	I.BLK	PS030496.D	04 Jun 2025 19:39	AR\AJ	Ok
24	HSTDCCC750	PS030497.D	04 Jun 2025 20:03	AR\AJ	Ok,M
25	Q2173-06MS	PS030498.D	04 Jun 2025 20:51	AR\AJ	Ok,M
26	Q2173-06MSD	PS030499.D	04 Jun 2025 21:15	AR\AJ	Ok,M
27	Q2160-05MS	PS030500.D	04 Jun 2025 21:40	AR\AJ	Ok,M
28	Q2160-05MSD	PS030501.D	04 Jun 2025 22:04	AR\AJ	Ok,M
29	Q2172-01	PS030502.D	04 Jun 2025 22:28	AR\AJ	Ok
30	Q2185-01	PS030503.D	04 Jun 2025 22:52	AR\AJ	Ok,M
31	Q2185-05	PS030504.D	04 Jun 2025 23:16	AR\AJ	Ok
32	I.BLK	PS030505.D	04 Jun 2025 23:40	AR\AJ	Ok
33	HSTDCCC750	PS030506.D	05 Jun 2025 00:04	AR\AJ	Ok,M
34	Q2177-03	PS030507.D	05 Jun 2025 00:52	AR\AJ	Ok,M
35	Q2177-05	PS030508.D	05 Jun 2025 01:16	AR\AJ	Ok
36	Q2177-07	PS030509.D	05 Jun 2025 01:40	AR\AJ	Ok,M
37	PB168263BL	PS030510.D	05 Jun 2025 02:04	AR\AJ	Ok
38	PB168263BS	PS030511.D	05 Jun 2025 02:28	AR\AJ	Ok,M
39	PB168224TB	PS030512.D	05 Jun 2025 02:53	AR\AJ	Ok
40	PB168254BL	PS030513.D	05 Jun 2025 03:17	AR\AJ	Ok
41	PB168254BS	PS030514.D	05 Jun 2025 03:41	AR\AJ	Ok,M
42	I.BLK	PS030515.D	05 Jun 2025 04:05	AR\AJ	Ok
43	HSTDCCC750	PS030516.D	05 Jun 2025 04:29	AR\AJ	Ok,M
44	Q2176-01	PS030517.D	05 Jun 2025 05:17	AR\AJ	Ok

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Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS060425

Review By	Abdul	Review On	6/5/2025 8:33:42 AM		
Supervise By	mohammad	Supervise On	6/6/2025 2:02:33 AM		
SubDirectory	PS060425	HP Acquire Method		HP Processing Method	ps060425 8151

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24553,PP24554,PP24556,PP24557,PP24558,PP24559,PP24560
CCC	PP24559
Internal Standard/PEM	
ICV/I.BLK	PP24562
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

45	Q2176-02	PS030518.D	05 Jun 2025 05:41	AR\AJ	Ok,M
46	Q2176-03	PS030519.D	05 Jun 2025 06:05	AR\AJ	Ok
47	Q2176-04	PS030520.D	05 Jun 2025 06:29	AR\AJ	Not Ok
48	Q2176-05	PS030521.D	05 Jun 2025 06:53	AR\AJ	Ok
49	Q2176-06	PS030522.D	05 Jun 2025 07:17	AR\AJ	Ok,M
50	Q2176-07	PS030523.D	05 Jun 2025 07:41	AR\AJ	Ok,M
51	Q2176-08	PS030524.D	05 Jun 2025 08:05	AR\AJ	Ok
52	I.BLK	PS030525.D	05 Jun 2025 08:29	AR\AJ	Ok
53	HSTDCCC750	PS030526.D	05 Jun 2025 08:53	AR\AJ	Ok,M

M : Manual Integration

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Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS060925

Review By	Abdul	Review On	6/10/2025 10:46:12 AM		
Supervise By	mohammad	Supervise On	6/11/2025 2:16:12 AM		
SubDirectory	PS060925	HP Acquire Method		HP Processing Method	ps060425 8151

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24553,PP24554,PP24556,PP24557,PP24558,PP24559,PP24560
CCC	PP24559
Internal Standard/PEM	
ICV/I.BLK	PP24562
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PS030561.D	09 Jun 2025 11:29	AR\AJ	Ok
2	I.BLK	PS030562.D	09 Jun 2025 11:53	AR\AJ	Ok
3	HSTDCCC750	PS030563.D	09 Jun 2025 12:17	AR\AJ	Ok,M
4	Q2235-03	PS030564.D	09 Jun 2025 13:21	AR\AJ	Ok,M
5	Q2236-03	PS030565.D	09 Jun 2025 13:45	AR\AJ	Ok
6	Q2236-07	PS030566.D	09 Jun 2025 14:09	AR\AJ	Ok
7	Q2236-11	PS030567.D	09 Jun 2025 14:33	AR\AJ	Ok
8	Q2236-15	PS030568.D	09 Jun 2025 14:57	AR\AJ	Ok
9	Q2236-19	PS030569.D	09 Jun 2025 15:22	AR\AJ	Ok
10	Q2198-02	PS030570.D	09 Jun 2025 15:46	AR\AJ	Ok,M
11	Q2198-04	PS030571.D	09 Jun 2025 16:10	AR\AJ	Ok
12	Q2198-04MS	PS030572.D	09 Jun 2025 16:34	AR\AJ	Ok,M
13	Q2198-04MSD	PS030573.D	09 Jun 2025 16:58	AR\AJ	Ok,M
14	I.BLK	PS030574.D	09 Jun 2025 17:22	AR\AJ	Ok
15	HSTDCCC750	PS030575.D	09 Jun 2025 17:46	AR\AJ	Ok,M
16	Q2130-01	PS030576.D	09 Jun 2025 18:17	AR\AJ	Ok,M
17	Q2130-01MS	PS030577.D	09 Jun 2025 18:41	AR\AJ	Ok,M
18	Q2130-01MSD	PS030578.D	09 Jun 2025 19:05	AR\AJ	Ok,M
19	I.BLK	PS030579.D	09 Jun 2025 19:29	AR\AJ	Ok
20	HSTDCCC750	PS030580.D	09 Jun 2025 19:53	AR\AJ	Ok,M
21	Q2206-01	PS030581.D	09 Jun 2025 20:17	AR\AJ	ReRun

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Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS060925

Review By	Abdul	Review On	6/10/2025 10:46:12 AM		
Supervise By	mohammad	Supervise On	6/11/2025 2:16:12 AM		
SubDirectory	PS060925	HP Acquire Method		HP Processing Method	ps060425 8151

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24553,PP24554,PP24556,PP24557,PP24558,PP24559,PP24560
CCC	PP24559
Internal Standard/PEM	
ICV/I.BLK	PP24562
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q2226-01	PS030582.D	09 Jun 2025 20:41	AR\AJ	Ok
23	Q2240-01	PS030583.D	09 Jun 2025 21:05	AR\AJ	Not Ok
24	Q2240-05	PS030584.D	09 Jun 2025 21:29	AR\AJ	Not Ok
25	Q2240-09	PS030585.D	09 Jun 2025 21:53	AR\AJ	Not Ok
26	Q2241-01	PS030586.D	09 Jun 2025 22:17	AR\AJ	Ok
27	Q2241-05	PS030587.D	09 Jun 2025 22:42	AR\AJ	Ok
28	Q2242-01	PS030588.D	09 Jun 2025 23:06	AR\AJ	Ok
29	Q2244-01	PS030589.D	09 Jun 2025 23:30	AR\AJ	Ok
30	I.BLK	PS030590.D	09 Jun 2025 23:54	AR\AJ	Ok
31	HSTDCCC750	PS030591.D	10 Jun 2025 00:18	AR\AJ	Ok,M

M : Manual Integration

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Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS061125

Review By	Abdul	Review On	6/12/2025 8:12:56 AM		
Supervise By	mohammad	Supervise On	6/12/2025 8:34:14 AM		
SubDirectory	PS061125	HP Acquire Method		HP Processing Method	ps060425 8151

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24553,PP24554,PP24556,PP24557,PP24558,PP24559,PP24560
CCC	PP24559
Internal Standard/PEM	
ICV/I.BLK	PP24562
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PS030619.D	11 Jun 2025 08:22	AR\AJ	Ok
2	I.BLK	PS030620.D	11 Jun 2025 08:46	AR\AJ	Ok
3	HSTDCCC750	PS030621.D	11 Jun 2025 09:10	AR\AJ	Ok,M
4	Q2240-05	PS030622.D	11 Jun 2025 09:58	AR\AJ	Ok
5	Q2240-09	PS030623.D	11 Jun 2025 10:28	AR\AJ	Not Ok
6	Q2150-06	PS030624.D	11 Jun 2025 10:52	AR\AJ	Ok
7	Q2266-01	PS030625.D	11 Jun 2025 11:27	AR\AJ	Ok
8	Q2266-01MS	PS030626.D	11 Jun 2025 12:31	AR\AJ	Ok,M
9	Q2266-01MSD	PS030627.D	11 Jun 2025 12:55	AR\AJ	Ok,M
10	PB168375BS	PS030628.D	11 Jun 2025 14:06	AR\AJ	Ok,M
11	I.BLK	PS030629.D	11 Jun 2025 14:30	AR\AJ	Ok
12	HSTDCCC750	PS030630.D	11 Jun 2025 15:32	AR\AJ	Ok,M
13	Q2240-01RE	PS030631.D	11 Jun 2025 15:56	AR\AJ	Confirms
14	I.BLK	PS030632.D	11 Jun 2025 16:23	AR\AJ	Ok
15	HSTDCCC750	PS030633.D	11 Jun 2025 16:48	AR\AJ	Ok,M

M : Manual Integration

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Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS060225

Review By	Abdul	Review On	6/3/2025 8:50:21 AM		
Supervise By	mohammad	Supervise On	6/4/2025 3:10:52 AM		
SubDirectory	PS060225	HP Acquire Method		HP Processing Method	ps060225 8151

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24553,PP24554,PP24556,PP24557,PP24558,PP24559,PP24560
CCC	PP24559
Internal Standard/PEM	
ICV/I.BLK	PP24562
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PS030435.D	02 Jun 2025 08:25		AR\AJ	Ok
2	I.BLK	I.BLK	PS030436.D	02 Jun 2025 08:49		AR\AJ	Ok
3	HSTDICC200	HSTDICC200	PS030437.D	02 Jun 2025 09:13		AR\AJ	Ok,M
4	HSTDICC500	HSTDICC500	PS030438.D	02 Jun 2025 09:37		AR\AJ	Ok,M
5	HSTDICC750	HSTDICC750	PS030439.D	02 Jun 2025 10:01	Method fail for com#10 in 1ST COL	AR\AJ	Ok,M
6	HSTDICC1000	HSTDICC1000	PS030440.D	02 Jun 2025 10:25		AR\AJ	Ok,M
7	HSTDICC1500	HSTDICC1500	PS030441.D	02 Jun 2025 10:49		AR\AJ	Ok,M
8	HSTDICV750	ICVPS060225	PS030442.D	02 Jun 2025 12:33		AR\AJ	Ok,M
9	I.BLK	I.BLK	PS030443.D	02 Jun 2025 12:57		AR\AJ	Ok
10	HSTDCCC750	HSTDCCC750	PS030444.D	02 Jun 2025 13:21		AR\AJ	Ok,M
11	Q2136-05	OR-646-COMP-52	PS030445.D	02 Jun 2025 13:45		AR\AJ	Ok,M
12	Q2136-05MS	OR-646-COMP-52MS	PS030446.D	02 Jun 2025 14:09	Comp #1,6 Recovery Fail	AR\AJ	Ok,M
13	Q2136-05MSD	OR-646-COMP-52MSD	PS030447.D	02 Jun 2025 14:33	Comp #1 recovery fail, Comp #6 RPD Fail	AR\AJ	Ok,M
14	PB168218BL	PB168218BL	PS030448.D	02 Jun 2025 14:57		AR\AJ	Ok
15	PB168218BS	PB168218BS	PS030449.D	02 Jun 2025 15:22		AR\AJ	Ok,M
16	PB168218TB	PB168218TB	PS030450.D	02 Jun 2025 15:46		AR\AJ	Ok,M
17	Q2130-01	TP-3	PS030451.D	02 Jun 2025 16:10	Not used	AR\AJ	Not Ok

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Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS060225

Review By	Abdul	Review On	6/3/2025 8:50:21 AM		
Supervise By	mohammad	Supervise On	6/4/2025 3:10:52 AM		
SubDirectory	PS060225	HP Acquire Method		HP Processing Method	ps060225 8151

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24553,PP24554,PP24556,PP24557,PP24558,PP24559,PP24560
CCC	PP24559
Internal Standard/PEM	
ICV/I.BLK	PP24562
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	Q2130-01MS	TP-3MS	PS030452.D	02 Jun 2025 16:34	Not used,Some compound Recovery Fail	AR\AJ	Not Ok
19	Q2130-01MSD	TP-3MSD	PS030453.D	02 Jun 2025 16:58	Not used,Some compound Recovery Fail	AR\AJ	Not Ok
20	Q2146-01	TP04-MHN-WC	PS030454.D	02 Jun 2025 17:22		AR\AJ	Ok,M
21	I.BLK	I.BLK	PS030455.D	02 Jun 2025 17:46		AR\AJ	Ok
22	HSTDCCC750	HSTDCCC750	PS030456.D	02 Jun 2025 18:10		AR\AJ	Ok,M
23	PB168207BL	PB168207BL	PS030457.D	02 Jun 2025 18:34	Not used	AR\AJ	Not Ok
24	PB168207BS	PB168207BS	PS030458.D	02 Jun 2025 18:58	Not used	AR\AJ	Not Ok
25	Q2151-01	WC-1	PS030459.D	02 Jun 2025 19:22		AR\AJ	Ok,M
26	Q2150-01	TP-44	PS030460.D	02 Jun 2025 19:46		AR\AJ	Ok,M
27	Q2150-02	TP-42	PS030461.D	02 Jun 2025 20:11		AR\AJ	Ok,M
28	Q2150-03	TP-39	PS030462.D	02 Jun 2025 20:35		AR\AJ	Ok
29	Q2150-04	TP-48	PS030463.D	02 Jun 2025 20:59		AR\AJ	Ok
30	Q2150-05	TP-47	PS030464.D	02 Jun 2025 21:23		AR\AJ	Ok
31	Q2150-06	TP-50	PS030465.D	02 Jun 2025 21:47	Surrogate low in both column	AR\AJ	Not Ok
32	I.BLK	I.BLK	PS030466.D	02 Jun 2025 22:11		AR\AJ	Ok
33	HSTDCCC750	HSTDCCC750	PS030467.D	02 Jun 2025 22:35		AR\AJ	Ok,M
34	Q2150-07	TP-51	PS030468.D	02 Jun 2025 22:59		AR\AJ	Ok
35	Q2150-08	TP-52	PS030469.D	02 Jun 2025 23:23		AR\AJ	Ok,M
36	Q2150-09	TP-54	PS030470.D	02 Jun 2025 23:47		AR\AJ	Ok

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Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS060225

Review By	Abdul	Review On	6/3/2025 8:50:21 AM		
Supervise By	mohammad	Supervise On	6/4/2025 3:10:52 AM		
SubDirectory	PS060225	HP Acquire Method		HP Processing Method	ps060225 8151

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24553,PP24554,PP24556,PP24557,PP24558,PP24559,PP24560
CCC	PP24559
Internal Standard/PEM	
ICV/I.BLK	PP24562
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

37	Q2150-10	TP-53	PS030471.D	03 Jun 2025 00:11		AR\AJ	Ok
38	I.BLK	I.BLK	PS030472.D	03 Jun 2025 00:35		AR\AJ	Ok
39	HSTDCCC750	HSTDCCC750	PS030473.D	03 Jun 2025 00:59		AR\AJ	Ok,M

M : Manual Integration

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Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS060425

Review By	Abdul	Review On	6/5/2025 8:33:42 AM		
Supervise By	mohammad	Supervise On	6/6/2025 2:02:33 AM		
SubDirectory	PS060425	HP Acquire Method		HP Processing Method	ps060425 8151

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24553,PP24554,PP24556,PP24557,PP24558,PP24559,PP24560
CCC	PP24559
Internal Standard/PEM	
ICV/I.BLK	PP24562
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PS030474.D	04 Jun 2025 10:31		AR\AJ	Ok
2	I.BLK	I.BLK	PS030475.D	04 Jun 2025 10:55		AR\AJ	Ok
3	HSTDICC200	HSTDICC200	PS030476.D	04 Jun 2025 11:19		AR\AJ	Ok,M
4	HSTDICC500	HSTDICC500	PS030477.D	04 Jun 2025 11:43		AR\AJ	Ok,M
5	HSTDICC750	HSTDICC750	PS030478.D	04 Jun 2025 12:07		AR\AJ	Ok,M
6	HSTDICC1000	HSTDICC1000	PS030479.D	04 Jun 2025 12:31		AR\AJ	Ok,M
7	HSTDICC1500	HSTDICC1500	PS030480.D	04 Jun 2025 12:55		AR\AJ	Ok,M
8	HSTDICV750	ICVPS060425	PS030481.D	04 Jun 2025 13:35		AR\AJ	Ok,M
9	I.BLK	I.BLK	PS030482.D	04 Jun 2025 13:59		AR\AJ	Ok
10	HSTDCCC750	HSTDCCC750	PS030483.D	04 Jun 2025 14:23		AR\AJ	Ok,M
11	PB168207BL	PB168207BL	PS030484.D	04 Jun 2025 14:47		AR\AJ	Ok
12	PB168207BS	PB168207BS	PS030485.D	04 Jun 2025 15:12		AR\AJ	Ok,M
13	Q1872-17	HW0425-PT-HERB-SO	PS030486.D	04 Jun 2025 15:36	Need dilution	AR\AJ	Dilution
14	Q1872-17DL	HW0425-PT-HERB-SO	PS030487.D	04 Jun 2025 16:00		AR\AJ	Ok,M
15	I.BLK	I.BLK	PS030488.D	04 Jun 2025 16:26		AR\AJ	Ok
16	HSTDCCC750	HSTDCCC750	PS030489.D	04 Jun 2025 16:50		AR\AJ	Ok,M
17	Q2159-01	TP05-MHO-WC	PS030490.D	04 Jun 2025 17:14		AR\AJ	Ok
18	Q2160-01	TP04-MHG-WC	PS030491.D	04 Jun 2025 17:38		AR\AJ	Ok

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Fax : 908 789 8922

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS060425

Review By	Abdul	Review On	6/5/2025 8:33:42 AM		
Supervise By	mohammad	Supervise On	6/6/2025 2:02:33 AM		
SubDirectory	PS060425	HP Acquire Method		HP Processing Method	ps060425 8151

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24553,PP24554,PP24556,PP24557,PP24558,PP24559,PP24560
CCC	PP24559
Internal Standard/PEM	
ICV/I.BLK	PP24562
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q2160-05	TP05-MHH-WC	PS030492.D	04 Jun 2025 18:02		AR\AJ	Ok
20	Q2173-06	OR-400-CF-402B-COM	PS030493.D	04 Jun 2025 18:26		AR\AJ	Ok,M
21	Q2173-12	OR-400-CF-402B-COM	PS030494.D	04 Jun 2025 18:51		AR\AJ	Ok,M
22	Q2173-18	OR-400-CF-402B-COM	PS030495.D	04 Jun 2025 19:15		AR\AJ	Ok,M
23	I.BLK	I.BLK	PS030496.D	04 Jun 2025 19:39		AR\AJ	Ok
24	HSTDCCC750	HSTDCCC750	PS030497.D	04 Jun 2025 20:03		AR\AJ	Ok,M
25	Q2173-06MS	OR-400-CF-402B-COM	PS030498.D	04 Jun 2025 20:51	Comp#1,3 recovery fail	AR\AJ	Ok,M
26	Q2173-06MSD	OR-400-CF-402B-COM	PS030499.D	04 Jun 2025 21:15	Comp#1,3,14 recovery fail ,RPD Fail	AR\AJ	Ok,M
27	Q2160-05MS	TP05-MHH-WCMS	PS030500.D	04 Jun 2025 21:40	Comp#1,10 recovery fail	AR\AJ	Ok,M
28	Q2160-05MSD	TP05-MHH-WCMSD	PS030501.D	04 Jun 2025 22:04	Comp#1,10 recovery fail	AR\AJ	Ok,M
29	Q2172-01	TP06-MHQ	PS030502.D	04 Jun 2025 22:28		AR\AJ	Ok
30	Q2185-01	TP02-MHB-WC	PS030503.D	04 Jun 2025 22:52		AR\AJ	Ok,M
31	Q2185-05	TP01-MHA-WC	PS030504.D	04 Jun 2025 23:16		AR\AJ	Ok
32	I.BLK	I.BLK	PS030505.D	04 Jun 2025 23:40		AR\AJ	Ok
33	HSTDCCC750	HSTDCCC750	PS030506.D	05 Jun 2025 00:04		AR\AJ	Ok,M
34	Q2177-03	B-187-SB01	PS030507.D	05 Jun 2025 00:52		AR\AJ	Ok,M
35	Q2177-05	B-187-SB02	PS030508.D	05 Jun 2025 01:16		AR\AJ	Ok
36	Q2177-07	B-202-SB01	PS030509.D	05 Jun 2025 01:40		AR\AJ	Ok,M
37	PB168263BL	PB168263BL	PS030510.D	05 Jun 2025 02:04		AR\AJ	Ok

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Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS060425

Review By	Abdul	Review On	6/5/2025 8:33:42 AM		
Supervise By	mohammad	Supervise On	6/6/2025 2:02:33 AM		
SubDirectory	PS060425	HP Acquire Method		HP Processing Method	ps060425 8151

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24553,PP24554,PP24556,PP24557,PP24558,PP24559,PP24560
CCC	PP24559
Internal Standard/PEM	
ICV/I.BLK	PP24562
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

38	PB168263BS	PB168263BS	PS030511.D	05 Jun 2025 02:28		AR\AJ	Ok,M
39	PB168224TB	PB168224TB	PS030512.D	05 Jun 2025 02:53		AR\AJ	Ok
40	PB168254BL	PB168254BL	PS030513.D	05 Jun 2025 03:17		AR\AJ	Ok
41	PB168254BS	PB168254BS	PS030514.D	05 Jun 2025 03:41		AR\AJ	Ok,M
42	I.BLK	I.BLK	PS030515.D	05 Jun 2025 04:05		AR\AJ	Ok
43	HSTDCCC750	HSTDCCC750	PS030516.D	05 Jun 2025 04:29		AR\AJ	Ok,M
44	Q2176-01	TP-46	PS030517.D	05 Jun 2025 05:17		AR\AJ	Ok
45	Q2176-02	TP-56	PS030518.D	05 Jun 2025 05:41		AR\AJ	Ok,M
46	Q2176-03	TP-25	PS030519.D	05 Jun 2025 06:05		AR\AJ	Ok
47	Q2176-04	TP-26	PS030520.D	05 Jun 2025 06:29	Surrogate low in both column	AR\AJ	Not Ok
48	Q2176-05	TP-28	PS030521.D	05 Jun 2025 06:53		AR\AJ	Ok
49	Q2176-06	TP-27	PS030522.D	05 Jun 2025 07:17		AR\AJ	Ok,M
50	Q2176-07	TP-31	PS030523.D	05 Jun 2025 07:41		AR\AJ	Ok,M
51	Q2176-08	TP-65	PS030524.D	05 Jun 2025 08:05		AR\AJ	Ok
52	I.BLK	I.BLK	PS030525.D	05 Jun 2025 08:29		AR\AJ	Ok
53	HSTDCCC750	HSTDCCC750	PS030526.D	05 Jun 2025 08:53		AR\AJ	Ok,M

M : Manual Integration

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Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS060925

Review By	Abdul	Review On	6/10/2025 10:46:12 AM		
Supervise By	mohammad	Supervise On	6/11/2025 2:16:12 AM		
SubDirectory	PS060925	HP Acquire Method		HP Processing Method	ps060425 8151

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24553,PP24554,PP24556,PP24557,PP24558,PP24559,PP24560
CCC	PP24559
Internal Standard/PEM	
ICV/I.BLK	PP24562
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PS030561.D	09 Jun 2025 11:29		AR\AJ	Ok
2	I.BLK	I.BLK	PS030562.D	09 Jun 2025 11:53		AR\AJ	Ok
3	HSTDCCC750	HSTDCCC750	PS030563.D	09 Jun 2025 12:17	Picloram low in 1st column	AR\AJ	Ok,M
4	Q2235-03	WC-A2-08-C	PS030564.D	09 Jun 2025 13:21		AR\AJ	Ok,M
5	Q2236-03	WC-A4-05A-C	PS030565.D	09 Jun 2025 13:45		AR\AJ	Ok
6	Q2236-07	WC-A2-04-C	PS030566.D	09 Jun 2025 14:09		AR\AJ	Ok
7	Q2236-11	WC-A2-05-C	PS030567.D	09 Jun 2025 14:33		AR\AJ	Ok
8	Q2236-15	WC-A2-06-C	PS030568.D	09 Jun 2025 14:57		AR\AJ	Ok
9	Q2236-19	WC-A2-07-C	PS030569.D	09 Jun 2025 15:22		AR\AJ	Ok
10	Q2198-02	B-202-SB02	PS030570.D	09 Jun 2025 15:46		AR\AJ	Ok,M
11	Q2198-04	B-207-SB02	PS030571.D	09 Jun 2025 16:10		AR\AJ	Ok
12	Q2198-04MS	B-207-SB02MS	PS030572.D	09 Jun 2025 16:34	some compound recovery fail	AR\AJ	Ok,M
13	Q2198-04MSD	B-207-SB02MSD	PS030573.D	09 Jun 2025 16:58	some compound recovery fail	AR\AJ	Ok,M
14	I.BLK	I.BLK	PS030574.D	09 Jun 2025 17:22		AR\AJ	Ok
15	HSTDCCC750	HSTDCCC750	PS030575.D	09 Jun 2025 17:46		AR\AJ	Ok,M
16	Q2130-01	TP-3	PS030576.D	09 Jun 2025 18:17		AR\AJ	Ok,M
17	Q2130-01MS	TP-3MS	PS030577.D	09 Jun 2025 18:41		AR\AJ	Ok,M
18	Q2130-01MSD	TP-3MSD	PS030578.D	09 Jun 2025 19:05		AR\AJ	Ok,M

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Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS060925

Review By	Abdul	Review On	6/10/2025 10:46:12 AM		
Supervise By	mohammad	Supervise On	6/11/2025 2:16:12 AM		
SubDirectory	PS060925	HP Acquire Method		HP Processing Method	ps060425 8151

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24553,PP24554,PP24556,PP24557,PP24558,PP24559,PP24560
CCC	PP24559
Internal Standard/PEM	
ICV/I.BLK	PP24562
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	I.BLK	I.BLK	PS030579.D	09 Jun 2025 19:29		AR\AJ	Ok
20	HSTDCCC750	HSTDCCC750	PS030580.D	09 Jun 2025 19:53		AR\AJ	Ok,M
21	Q2206-01	TP-1	PS030581.D	09 Jun 2025 20:17	Surrogate low in 2nd column	AR\AJ	ReRun
22	Q2226-01	TP06-MHI-WC	PS030582.D	09 Jun 2025 20:41		AR\AJ	Ok
23	Q2240-01	TP-3	PS030583.D	09 Jun 2025 21:05	2,4-D hit	AR\AJ	Not Ok
24	Q2240-05	TP-2	PS030584.D	09 Jun 2025 21:29	Surrogate low in both column	AR\AJ	Not Ok
25	Q2240-09	TP-1	PS030585.D	09 Jun 2025 21:53	Surrogate low in both column	AR\AJ	Not Ok
26	Q2241-01	TP-N	PS030586.D	09 Jun 2025 22:17		AR\AJ	Ok
27	Q2241-05	TP-S	PS030587.D	09 Jun 2025 22:42		AR\AJ	Ok
28	Q2242-01	TP09-MHJ	PS030588.D	09 Jun 2025 23:06		AR\AJ	Ok
29	Q2244-01	TP03-MHC	PS030589.D	09 Jun 2025 23:30		AR\AJ	Ok
30	I.BLK	I.BLK	PS030590.D	09 Jun 2025 23:54		AR\AJ	Ok
31	HSTDCCC750	HSTDCCC750	PS030591.D	10 Jun 2025 00:18		AR\AJ	Ok,M

M : Manual Integration

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Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS061125

Review By	Abdul	Review On	6/12/2025 8:12:56 AM		
Supervise By	mohammad	Supervise On	6/12/2025 8:34:14 AM		
SubDirectory	PS061125	HP Acquire Method		HP Processing Method	ps060425 8151

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24553,PP24554,PP24556,PP24557,PP24558,PP24559,PP24560
CCC	PP24559
Internal Standard/PEM	
ICV/I.BLK	PP24562
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PS030619.D	11 Jun 2025 08:22		AR\AJ	Ok
2	I.BLK	I.BLK	PS030620.D	11 Jun 2025 08:46		AR\AJ	Ok
3	HSTDCCC750	HSTDCCC750	PS030621.D	11 Jun 2025 09:10		AR\AJ	Ok,M
4	Q2240-05	TP-2	PS030622.D	11 Jun 2025 09:58		AR\AJ	Ok
5	Q2240-09	TP-1	PS030623.D	11 Jun 2025 10:28	wrong Injection	AR\AJ	Not Ok
6	Q2150-06	TP-50	PS030624.D	11 Jun 2025 10:52		AR\AJ	Ok
7	Q2266-01	WC-3	PS030625.D	11 Jun 2025 11:27		AR\AJ	Ok
8	Q2266-01MS	WC-3MS	PS030626.D	11 Jun 2025 12:31	some compound recovery fail	AR\AJ	Ok,M
9	Q2266-01MSD	WC-3MSD	PS030627.D	11 Jun 2025 12:55	some compound recovery fail	AR\AJ	Ok,M
10	PB168375BS	PB168375BS	PS030628.D	11 Jun 2025 14:06		AR\AJ	Ok,M
11	I.BLK	I.BLK	PS030629.D	11 Jun 2025 14:30		AR\AJ	Ok
12	HSTDCCC750	HSTDCCC750	PS030630.D	11 Jun 2025 15:32		AR\AJ	Ok,M
13	Q2240-01RE	TP-3RE	PS030631.D	11 Jun 2025 15:56	2,4-D hit	AR\AJ	Confirms
14	I.BLK	I.BLK	PS030632.D	11 Jun 2025 16:23		AR\AJ	Ok
15	HSTDCCC750	HSTDCCC750	PS030633.D	11 Jun 2025 16:48		AR\AJ	Ok,M

M : Manual Integration

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EXTRACTION LOGPAGE

PB168207

10

SOP ID:	M8151A-Herbicide-23				
Clean Up SOP #:	N/A			**Extraction Start Date :**	05/30/2025
Matrix :	Solid			**Extraction Start Time :**	08:20
Weigh By:	EH	**Extraction By:**	RJ	**Extraction End Date :**	05/30/2025
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#:	E3880	**Hood ID:**	3,4,5,7	**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	5/500 PPM	PP24595
Surrogate	1.0ML	5000 PPB	PP24601
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
Acidified Na2SO4	N/A	EP2576
Sand	N/A	E2865
HCL	N/A	M6151
DI WATER	N/A	N/A
37% KOH	N/A	EP2616
Methylene Chloride	N/A	E3939
1:3 SULPHURIC ACID	N/A	EP2598
Ether	N/A	E3881
ISO OCTANE	N/A	E3554
METHANOL	N/A	V14622
Diazomethane	N/A	EP2618
Hexane	N/A	E3938
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

pH adjusted with HCL <2 for soil Extraction, PH adjusted with 1:3 H2SO4 <2 after Hydrolysis, Derivatization procedure is completed and samples are ready to Analyze,40ML Vial Lot # 03-40 BTS723.

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
5/30/25	RS (Ext Lab)	R. Pest/PCB Lab
16:05	**Preparation Group**	**Analysis Group**

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EXTRACTION LOGPAGE

PrepBatch ID : PB168207

Analytical Method: M8151A-Herbicide-23 **Concentration Date:** 05/30/2025

Sample ID	Client Sample ID	Test	g mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB168207BL	HBLK207	Herbicide	30.01	N/A	ritesh	Evelyn	10			U2-1
PB168207BS	HLCS207	Herbicide	30.02	N/A	ritesh	Evelyn	10			2
Q1872-17	HW0425-PT-HERB-SOIL	Herbicide Group1	30.09	N/A	ritesh	Evelyn	10	A		3
Q2130-01	TP-3	Herbicide	30.07	N/A	ritesh	Evelyn	10	E		4
Q2130-01MS	TP-3MS	Herbicide	30.03	N/A	ritesh	Evelyn	10	E		5
Q2130-01MSD	TP-3MSD	Herbicide	30.08	N/A	ritesh	Evelyn	10	E		6
Q2146-01	TP04-MHN-WC	Herbicide	30.03	N/A	ritesh	Evelyn	10	E		U3-1
Q2150-01	TP-44	Herbicide	30.02	N/A	ritesh	Evelyn	10	E		2
Q2150-02	TP-42	Herbicide	30.04	N/A	ritesh	Evelyn	10	E		3
Q2150-03	TP-39	Herbicide	30.06	N/A	ritesh	Evelyn	10	E		4
Q2150-04	TP-48	Herbicide	30.07	N/A	ritesh	Evelyn	10	E		5
Q2150-05	TP-47	Herbicide	30.03	N/A	ritesh	Evelyn	10	E		6
Q2150-06	TP-50	Herbicide	30.09	N/A	ritesh	Evelyn	10	E		U6-1
Q2150-07	TP-51	Herbicide	30.05	N/A	ritesh	Evelyn	10	E		2
Q2150-08	TP-52	Herbicide	30.04	N/A	ritesh	Evelyn	10	E		3
Q2150-09	TP-54	Herbicide	30.01	N/A	ritesh	Evelyn	10	E		4
Q2150-10	TP-53	Herbicide	30.06	N/A	ritesh	Evelyn	10	E		5
Q2151-01	WC-1	Herbicide	30.03	N/A	ritesh	Evelyn	10	E		6

RS 5/30

* **Extracts relinquished on the same date as received.**

Q2130 5/30/25 8:30

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q2130H **WorkList ID :** 189834 **Department :** Extraction **Date :** 05-30-2025 08:15:37

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1872-17	HW0425-PT-HERB-SOIL	Solid	Herbicide Group1	Cool 4 deg C	ALLI03	QA Of	04/21/2025	8151A
Q2130-01	TP-3	Solid	Herbicide	Cool 4 deg C	PSEG03	L41	05/27/2025	8151A
Q2146-01	TP04-MHN-WC	Solid	Herbicide	Cool 4 deg C	PSEG03	L31	05/27/2025	8151A
Q2150-01	TP-44	Solid	Herbicide	Cool 4 deg C	CAMP02	L41	05/27/2025	8151A
Q2150-02	TP-42	Solid	Herbicide	Cool 4 deg C	CAMP02	L41	05/27/2025	8151A
Q2150-03	TP-39	Solid	Herbicide	Cool 4 deg C	CAMP02	L41	05/27/2025	8151A
Q2150-04	TP-48	Solid	Herbicide	Cool 4 deg C	CAMP02	L41	05/27/2025	8151A
Q2150-05	TP-47	Solid	Herbicide	Cool 4 deg C	CAMP02	L41	05/27/2025	8151A
Q2150-06	TP-50	Solid	Herbicide	Cool 4 deg C	CAMP02	L41	05/27/2025	8151A
Q2150-07	TP-51	Solid	Herbicide	Cool 4 deg C	CAMP02	L41	05/27/2025	8151A
Q2150-08	TP-52	Solid	Herbicide	Cool 4 deg C	CAMP02	L41	05/28/2025	8151A
Q2150-09	TP-54	Solid	Herbicide	Cool 4 deg C	CAMP02	L41	05/28/2025	8151A
Q2150-10	TP-53	Solid	Herbicide	Cool 4 deg C	CAMP02	L41	05/28/2025	8151A
Q2151-01	WC-1	Solid	Herbicide	Cool 4 deg C	PSEG03	L41	05/29/2025	8151A

1180 of 1448

Date/Time 05/30/25 8:15
Raw Sample Received by: RJ (Ext-lab)
Raw Sample Relinquished by: SM

Date/Time 05/30/25 8:45
Raw Sample Received by: SM
Raw Sample Relinquished by: RJ (Ext-lab)

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LAB CHRONICLE

OrderID:	Q2150	**OrderDate:**	5/28/2025 3:53:00 PM
Client:	CDM Smith	**Project:**	South River WM Replacement
Contact:	Marcie Ann Encinas	**Location:**	L41,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2150-01	**TP-44**	**SOIL**			**05/27/25**			**05/28/25**
			Diesel Range Organics	8015D		06/04/25	06/04/25	
			Gasoline Range Organics	8015D			06/02/25	
			Herbicide	8151A		05/30/25	06/02/25	
			PCB	8082A		05/30/25	05/30/25	
			Pesticide-TCL	8081B		05/30/25	05/30/25	
Q2150-02	**TP-42**	**SOIL**			**05/27/25**			**05/28/25**
			Diesel Range Organics	8015D		06/04/25	06/04/25	
			Gasoline Range Organics	8015D			06/02/25	
			Herbicide	8151A		05/30/25	06/02/25	
			PCB	8082A		05/30/25	05/30/25	
			Pesticide-TCL	8081B		05/30/25	05/30/25	
Q2150-03	**TP-39**	**SOIL**			**05/27/25**			**05/28/25**
			Diesel Range Organics	8015D		06/04/25	06/04/25	
			Gasoline Range Organics	8015D			06/02/25	
			Herbicide	8151A		05/30/25	06/02/25	
			PCB	8082A		05/30/25	05/30/25	
			Pesticide-TCL	8081B		05/30/25	05/30/25	
Q2150-04	**TP-48**	**SOIL**			**05/27/25**			**05/28/25**
			Diesel Range Organics	8015D		06/04/25	06/04/25	
			Gasoline Range Organics	8015D			06/02/25	
			Gasoline Range Organics	8015D			06/03/25	
			Herbicide	8151A		05/30/25	06/02/25	
			PCB	8082A		05/30/25	05/30/25	
			Pesticide-TCL	8081B		05/30/25	05/30/25	
Q2150-05	**TP-47**	**SOIL**			**05/27/25**			**05/28/25**
			Diesel Range Organics	8015D		06/04/25	06/04/25	

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LAB CHRONICLE

			Gasoline Range Organics	8015D		06/02/25	
			Herbicide	8151A	05/30/25	06/02/25	
			PCB	8082A	05/30/25	05/30/25	
			Pesticide-TCL	8081B	05/30/25	05/30/25	
Q2150-06	**TP-50**	**SOIL**			**05/27/25**		**05/28/25**
			Diesel Range Organics	8015D	06/04/25	06/04/25	
			Gasoline Range Organics	8015D		06/02/25	
			Herbicide	8151A	05/30/25	06/11/25	
			PCB	8082A	05/30/25	05/30/25	
			Pesticide-TCL	8081B	05/30/25	05/30/25	
Q2150-07	**TP-51**	**SOIL**			**05/27/25**		**05/28/25**
			Diesel Range Organics	8015D	06/04/25	06/04/25	
			Gasoline Range Organics	8015D		06/02/25	
			Herbicide	8151A	05/30/25	06/02/25	
			PCB	8082A	05/30/25	05/30/25	
			Pesticide-TCL	8081B	05/30/25	05/30/25	
Q2150-08	**TP-52**	**SOIL**			**05/28/25**		**05/28/25**
			Diesel Range Organics	8015D	06/04/25	06/04/25	
			Gasoline Range Organics	8015D		06/02/25	
			Herbicide	8151A	05/30/25	06/02/25	
			PCB	8082A	05/30/25	05/30/25	
			Pesticide-TCL	8081B	05/30/25	05/30/25	
Q2150-09	**TP-54**	**SOIL**			**05/28/25**		**05/28/25**
			Diesel Range Organics	8015D	06/04/25	06/04/25	
			Gasoline Range Organics	8015D		06/03/25	
			Herbicide	8151A	05/30/25	06/02/25	
			PCB	8082A	05/30/25	05/30/25	
			Pesticide-TCL	8081B	05/30/25	05/30/25	
Q2150-10	**TP-53**	**SOIL**			**05/28/25**		**05/28/25**
			Diesel Range Organics	8015D	06/04/25	06/04/25	
			Gasoline Range Organics	8015D		06/03/25	

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LAB CHRONICLE

Herbicide	8151A	05/30/25	06/03/25
PCB	8082A	05/30/25	05/30/25
Pesticide-TCL	8081B	05/30/25	05/30/25

SAMPLE DATA

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-44	SDG No.:	Q2150
Lab Sample ID:	Q2150-01	Matrix:	SOIL
Analytical Method:	8015D DRO	% Solid:	78.9 Decanted:
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1 mL
Soil Aliquot Vol:	uL	Test:	Diesel Range Organics
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FG015914.D	1	06/04/25 08:30	06/04/25 13:47	PB168274

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
DRO	DRO	22900		214	2110	ug/kg
SURROGATES						
16416-32-3	Tetracosane-d50	13.7		37 - 130	68%	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:	CDM Smith	Date Collected:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-42	SDG No.:	Q2150
Lab Sample ID:	Q2150-02	Matrix:	SOIL
Analytical Method:	8015D DRO	% Solid:	86.2 Decanted:
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1 mL
Soil Aliquot Vol:	uL	Test:	Diesel Range Organics
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FG015915.D	1	06/04/25 08:30	06/04/25 14:16	PB168274

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
DRO	DRO	2410		196	1930	ug/kg
SURROGATES						
16416-32-3	Tetracosane-d50	13.1		37 - 130	65%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
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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:	CDM Smith	Date Collected:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-39	SDG No.:	Q2150
Lab Sample ID:	Q2150-03	Matrix:	SOIL
Analytical Method:	8015D DRO	% Solid:	83.7 Decanted:
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1 mL
Soil Aliquot Vol:	uL	Test:	Diesel Range Organics
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FG015916.D	1	06/04/25 08:30	06/04/25 14:46	PB168274

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
DRO	DRO	2210		201	1990	ug/kg
SURROGATES						
16416-32-3	Tetracosane-d50	11.1		37 - 130	55%	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:	CDM Smith	Date Collected:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-48	SDG No.:	Q2150
Lab Sample ID:	Q2150-04	Matrix:	SOIL
Analytical Method:	8015D DRO	% Solid:	80.7 Decanted:
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1 mL
Soil Aliquot Vol:	uL	Test:	Diesel Range Organics
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FG015917.D	1	06/04/25 08:30	06/04/25 15:15	PB168274

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
DRO	DRO	1430	J	209	2060	ug/kg
SURROGATES						
16416-32-3	Tetracosane-d50	13.3		37 - 130	67%	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:	CDM Smith	Date Collected:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-47	SDG No.:	Q2150
Lab Sample ID:	Q2150-05	Matrix:	SOIL
Analytical Method:	8015D DRO	% Solid:	81 Decanted:
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1 mL
Soil Aliquot Vol:	uL	Test:	Diesel Range Organics
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FG015918.D	1	06/04/25 08:30	06/04/25 15:45	PB168274

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
DRO	DRO	1540	J	209	2060	ug/kg
SURROGATES						
16416-32-3	Tetracosane-d50	10.3		37 - 130	52%	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:	CDM Smith	Date Collected:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-50	SDG No.:	Q2150
Lab Sample ID:	Q2150-06	Matrix:	SOIL
Analytical Method:	8015D DRO	% Solid:	86 Decanted:
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1 mL
Soil Aliquot Vol:	uL	Test:	Diesel Range Organics
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FG015919.D	1	06/04/25 08:30	06/04/25 16:48	PB168274

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
DRO	DRO	7840		196	1930	ug/kg
SURROGATES						
16416-32-3	Tetracosane-d50	11.8		37 - 130	59%	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:	CDM Smith	Date Collected:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-51	SDG No.:	Q2150
Lab Sample ID:	Q2150-07	Matrix:	SOIL
Analytical Method:	8015D DRO	% Solid:	83.7 Decanted:
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1 mL
Soil Aliquot Vol:	uL	Test:	Diesel Range Organics
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FG015920.D	1	06/04/25 08:30	06/04/25 17:18	PB168274

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
DRO	DRO	1780	J	202	1990	ug/kg
SURROGATES						
16416-32-3	Tetracosane-d50	10.7		37 - 130	53%	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:	CDM Smith	Date Collected:	05/28/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-52	SDG No.:	Q2150
Lab Sample ID:	Q2150-08	Matrix:	SOIL
Analytical Method:	8015D DRO	% Solid:	85.7 Decanted:
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1 mL
Soil Aliquot Vol:	uL	Test:	Diesel Range Organics
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FG015921.D	1	06/04/25 08:30	06/04/25 17:47	PB168274

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
DRO	DRO	12700		197	1940	ug/kg
SURROGATES						
16416-32-3	Tetracosane-d50	15.4		37 - 130	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

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/28/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-54	SDG No.:	Q2150
Lab Sample ID:	Q2150-09	Matrix:	SOIL
Analytical Method:	8015D DRO	% Solid:	83.6 Decanted:
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1 mL
Soil Aliquot Vol:	uL	Test:	Diesel Range Organics
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FF015897.D	1	06/04/25 08:30	06/04/25 12:48	PB168274

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
DRO	DRO	3240		202	1990	ug/kg
SURROGATES						
16416-32-3	Tetracosane-d50	15.9		37 - 130	80%	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:	CDM Smith	Date Collected:	05/28/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-53	SDG No.:	Q2150
Lab Sample ID:	Q2150-10	Matrix:	SOIL
Analytical Method:	8015D DRO	% Solid:	85.3 Decanted:
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1 mL
Soil Aliquot Vol:	uL	Test:	Diesel Range Organics
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FG015922.D	1	06/04/25 08:30	06/04/25 18:17	PB168274

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
DRO	DRO	2000		198	1950	ug/kg
SURROGATES						
16416-32-3	Tetracosane-d50	10.8		37 - 130	54%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
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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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SOIL DIESEL RANGE ORGANICS SURROGATE RECOVERY

Lab Name: Chemtech Client: CDM Smith

Lab Code: CHEM Case No.: Q2150 SAS No.: Q2150 SDG No.: Q2150

EPA SAMPLE NO.	S1 TETRACOSANE-d50	S2	S3	S4	TOT OUT
PIBLK-FF015894.D	60				0
PIBLK-FF015908.D	73				0
PIBLK-FG015909.D	71				0
PIBLK-FG015923.D	78				0
PB168274BL	78				0
PB168274BS	82				0
TP-44	68				0
TP-42	65				0
TP-39	55				0
TP-48	67				0
TP-47	52				0
TP-50	59				0
TP-51	53				0
TP-52	77				0
TP-54	80				0
TP-54MS	55				0
TP-54MSD	57				0
TP-53	54				0

	QC LIMITS
TETRACOSANE-d50	For Water : 29-130 For Soil : 37-130

Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogate Diluted Out

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SOIL DIESEL RANGE ORGANICS MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** CDM Smith

Lab Code: CHEM **Cas No:** Q2150 **SAS No :** Q2150 **SDG No:** Q2150

Client SampleID : TP-54MS **Datafile:** FF015898.D

COMPOUND	SPIKE ADDED ug/kg	SAMPLE CONCENTRATION ug/kg	MS/MSD CONCENTRATION ug/kg	% REC	Qual	QC LIMITS
DRO	7953	3240	12154	112%		68-131

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SOIL DIESEL RANGE ORGANICS MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** CDM Smith

Lab Code: CHEM **Cas No:** Q2150 **SAS No :** Q2150 **SDG No:** Q2150

Client SampleID : TP-54MSD **Datafile:** FF015899.D

COMPOUND	SPIKE ADDED ug/kg	SAMPLE CONCENTRATION ug/kg	MS/MSD CONCENTRATION ug/kg	% REC	Qual	QC LIMITS
DRO	7967	3240	12817	120%		68-131

MS/MSD % Recovery RPD : 7

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SOIL DIESEL RANGE ORGANICS LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RI

Lab Name: Chemtech **Client:** CDM Smith

Lab Code: CHEM **Cas No:** Q2150 **SAS No :** Q2150 **SDG No:** Q2150

Matrix Spike - EPA Sample No : PB168274BS **Datafile:** FG015913.D

COMPOUND	SPIKE ADDED ug/kg	CONCENTRATION ug/kg	LCS/LCSD CONCENTRATION ug/kg	% REC	QC LIMITS
DRO	6662	0	5871	88	68-131

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4B
METHOD BLANK SUMMARY

EPA SAMPLE NO.
PB168274BL

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2150 SAS No.: Q2150 SDG NO.: Q2150

Lab File ID: FG015912.D Lab Sample ID: PB168274BL

Instrument ID: FG Date Extracted: 06/04/2025

Matrix: (soil/water) Soil Date Analyzed: 06/04/25

Level: (low/med) low Time Analyzed: 12:48

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
TP-54	Q2150-09	FF015897.D	06/04/25
TP-54MS	Q2150-09MS	FF015898.D	06/04/25
TP-54MSD	Q2150-09MSD	FF015899.D	06/04/25
PB168274BS	PB168274BS	FG015913.D	06/04/25
TP-44	Q2150-01	FG015914.D	06/04/25
TP-42	Q2150-02	FG015915.D	06/04/25
TP-39	Q2150-03	FG015916.D	06/04/25
TP-48	Q2150-04	FG015917.D	06/04/25
TP-47	Q2150-05	FG015918.D	06/04/25
TP-50	Q2150-06	FG015919.D	06/04/25
TP-51	Q2150-07	FG015920.D	06/04/25
TP-52	Q2150-08	FG015921.D	06/04/25
TP-53	Q2150-10	FG015922.D	06/04/25

COMMENTS:

QC SAMPLE DATA

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

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	PB168274BL	SDG No.:	Q2150
Lab Sample ID:	PB168274BL	Matrix:	SOIL
Analytical Method:	8015D DRO	% Solid:	100 Decanted:
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1 mL
Soil Aliquot Vol:	uL	Test:	Diesel Range Organics
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FG015912.D	1	06/04/25 08:30	06/04/25 12:48	PB168274

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
DRO	DRO	169	U	169	1670	ug/kg
SURROGATES						
16416-32-3	Tetracosane-d50	15.7		37 - 130	78%	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:	CDM Smith	Date Collected:	06/04/25
Project:	South River WM Replacement	Date Received:	06/04/25
Client Sample ID:	PIBLK-FF015894.D	SDG No.:	Q2150
Lab Sample ID:	I.BLK-FF015894.D	Matrix:	Water
Analytical Method:	8015D DRO	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1 mL
Soil Aliquot Vol:	uL	Test:	Diesel Range Organics
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :	SW3510		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FF015894.D	1		06/04/25	FF060425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
DRO	DRO	6.00	U	6.00	50.0	ug/L
SURROGATES						
16416-32-3	Tetracosane-d50	12.0		29 - 130	60%	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:	CDM Smith	Date Collected:	06/04/25
Project:	South River WM Replacement	Date Received:	06/04/25
Client Sample ID:	PIBLK-FF015908.D	SDG No.:	Q2150
Lab Sample ID:	I.BLK-FF015908.D	Matrix:	Water
Analytical Method:	8015D DRO	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1 mL
Soil Aliquot Vol:	uL	Test:	Diesel Range Organics
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :	SW3510		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FF015908.D	1		06/04/25	FF060425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
DRO	DRO	6.00	U	6.00	50.0	ug/L
SURROGATES						
16416-32-3	Tetracosane-d50	14.7		29 - 130	73%	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

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

Report of Analysis

Client:	CDM Smith	Date Collected:	06/04/25
Project:	South River WM Replacement	Date Received:	06/04/25
Client Sample ID:	PIBLK-FG015909.D	SDG No.:	Q2150
Lab Sample ID:	I.BLK-FG015909.D	Matrix:	Water
Analytical Method:	8015D DRO	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1 mL
Soil Aliquot Vol:	uL	Test:	Diesel Range Organics
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :	SW3510		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FG015909.D	1		06/04/25	FG060425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
DRO	DRO	6.00	U	6.00	50.0	ug/L
SURROGATES						
16416-32-3	Tetracosane-d50	14.3		29 - 130	71%	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:	CDM Smith	Date Collected:	06/04/25
Project:	South River WM Replacement	Date Received:	06/04/25
Client Sample ID:	PIBLK-FG015923.D	SDG No.:	Q2150
Lab Sample ID:	I.BLK-FG015923.D	Matrix:	Water
Analytical Method:	8015D DRO	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1 mL
Soil Aliquot Vol:	uL	Test:	Diesel Range Organics
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :	SW3510		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FG015923.D	1		06/04/25	FG060425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
DRO	DRO	6.00	U	6.00	50.0	ug/L
SURROGATES						
16416-32-3	Tetracosane-d50	15.6		29 - 130	78%	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:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	PB168274BS	SDG No.:	Q2150
Lab Sample ID:	PB168274BS	Matrix:	SOIL
Analytical Method:	8015D DRO	% Solid:	100 Decanted:
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1 mL
Soil Aliquot Vol:	uL	Test:	Diesel Range Organics
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FG015913.D	1	06/04/25 08:30	06/04/25 13:17	PB168274

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
DRO	DRO	5870		169	1670	ug/kg
SURROGATES						
16416-32-3	Tetracosane-d50	16.3		37 - 130	82%	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:	CDM Smith	Date Collected:	05/28/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-54MS	SDG No.:	Q2150
Lab Sample ID:	Q2150-09MS	Matrix:	SOIL
Analytical Method:	8015D DRO	% Solid:	83.6 Decanted:
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1 mL
Soil Aliquot Vol:	uL	Test:	Diesel Range Organics
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FF015898.D	1	06/04/25 08:30	06/04/25 13:17	PB168274

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
DRO	DRO	12200		202	1990	ug/kg
SURROGATES						
16416-32-3	Tetracosane-d50	10.9		37 - 130	55%	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:	CDM Smith	Date Collected:	05/28/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-54MSD	SDG No.:	Q2150
Lab Sample ID:	Q2150-09MSD	Matrix:	SOIL
Analytical Method:	8015D DRO	% Solid:	83.6 Decanted:
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1 mL
Soil Aliquot Vol:	uL	Test:	Diesel Range Organics
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FF015899.D	1	06/04/25 08:30	06/04/25 13:47	PB168274

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
DRO	DRO	12800		202	1990	ug/kg
SURROGATES						
16416-32-3	Tetracosane-d50	11.5		37 - 130	57%	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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DIESEL RANGE ORGANICS INITIAL CALIBRATION SUMMARY

Lab Name: Chemtech Contract: CAMP02

ProjectID: South River WM Replacement

Lab Code: CHEM Case No.: Q2150 SAS No.: Q2150 SDG No.: Q2150

Calibration Sequence : FF052125		Test : Diesel Range Organics	
Concentration (PPM)	**Area Count**	**Reference Factor**	**File ID**
1000	131501360	131501	FF015874.D
500	66823160	133646	FF015875.D
200	25639665	128198	FF015876.D
100	14440283	144403	FF015877.D
50	6491363	129827	FF015878.D

AVG RF : 133515 **% RSD : 4.803** **AVG RT : 15.0206**

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DIESEL RANGE ORGANICS INITIAL CALIBRATION SUMMARY

Lab Name: Chemtech Contract: CAMP02

ProjectID: South River WM Replacement

Lab Code: CHEM Case No.: Q2150 SAS No.: Q2150 SDG No.: Q2150

Calibration Sequence : FG052225		Test : Diesel Range Organics	
Concentration (PPM)	**Area Count**	**Reference Factor**	**File ID**
1000	132190666	132191	FG015886.D
500	67168968	134338	FG015887.D
200	26324104	131621	FG015888.D
100	13743634	137436	FG015889.D
50	6335792	126716	FG015890.D

AVG RF : 132460 **% RSD : 2.974** **AVG RT : 14.9848**

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DIESEL RANGE ORGANICS CONTINUING CALIBRATION SUMMARY

50 PPM TRPH STD

Lab Name: Chemtech Contract: CAMP02

ProjectID: South River WM Replacement

Lab Code: CHEM Case No.: Q2150 SAS No.: Q2150 SDG No.: Q2150

DataFile: FF015895.D Analyst Name: YP\AJ Analyst Date: 06-04-2025

Conc. (PPM)	Area Count	RF	Average RF	%D
500	65931359	131863	133515	1.237

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DIESEL RANGE ORGANICS CONTINUING CALIBRATION SUMMARY

50 PPM TRPH STD

Lab Name: Chemtech Contract: CAMP02

ProjectID: South River WM Replacement

Lab Code: CHEM Case No.: Q2150 SAS No.: Q2150 SDG No.: Q2150

DataFile: FF015909.D Analyst Name: YP\AJ Analyst Date: 06-04-2025

Conc. (PPM)	Area Count	RF	Average RF	%D
500	64819040	129638	133515	2.904

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Fax : 908 789 8922

DIESEL RANGE ORGANICS CONTINUING CALIBRATION SUMMARY

50 PPM TRPH STD

Lab Name: Chemtech Contract: CAMP02

ProjectID: South River WM Replacement

Lab Code: CHEM Case No.: Q2150 SAS No.: Q2150 SDG No.: Q2150

DataFile: FG015910.D Analyst Name: YP\AJ Analyst Date: 06-04-2025

Conc. (PPM)	Area Count	RF	Average RF	%D
500	64165362	128331	132460	3.117

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DIESEL RANGE ORGANICS CONTINUING CALIBRATION SUMMARY

50 PPM TRPH STD

Lab Name: Chemtech Contract: CAMP02

ProjectID: South River WM Replacement

Lab Code: CHEM Case No.: Q2150 SAS No.: Q2150 SDG No.: Q2150

DataFile: FG015924.D Analyst Name: YP\AJ Analyst Date: 06-04-2025

Conc. (PPM)	Area Count	RF	Average RF	%D
500	63833620	127667	132460	3.618

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Fax : 908 789 8922

Analytical Sequence

Client: CDM Smith **SDG No.:** Q2150

Project: South River WM Replacement **Instrument ID:** FID_G

GC Column: RXI-1MS **ID:** 0.18 **(mm)**

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

MEAN SUROGATE RT FROM INITIAL CALIBRATION **15.0206**

EPA SAMPLE NO.	LAB SAMPLE ID	DATE AND TIME ANALYZED	DATAFILE	RT	#
PIBLK01	I.BLK01	04 Jun 2025 11:16	FF015894.D	15.034	
50 PPM TRPH STD	50 PPM TRPH STD	04 Jun 2025 11:46	FF015895.D	15.019	
TP-54	Q2150-09	04 Jun 2025 12:48	FF015897.D	15.016	
TP-54MS	Q2150-09MS	04 Jun 2025 13:17	FF015898.D	15.018	
TP-54MSD	Q2150-09MSD	04 Jun 2025 13:47	FF015899.D	15.018	
PIBLK02	I.BLK02	04 Jun 2025 18:46	FF015908.D	15.023	
50 PPM TRPH STD	50 PPM TRPH STD	04 Jun 2025 19:16	FF015909.D	15.024	
PIBLK03	I.BLK03	04 Jun 2025 11:16	FG015909.D	14.981	
50 PPM TRPH STD	50 PPM TRPH STD	04 Jun 2025 11:46	FG015910.D	14.982	
PB168274BL	PB168274BL	04 Jun 2025 12:48	FG015912.D	14.981	
PB168274BS	PB168274BS	04 Jun 2025 13:17	FG015913.D	14.979	
TP-44	Q2150-01	04 Jun 2025 13:47	FG015914.D	14.979	
TP-42	Q2150-02	04 Jun 2025 14:16	FG015915.D	14.979	
TP-39	Q2150-03	04 Jun 2025 14:46	FG015916.D	14.979	
TP-48	Q2150-04	04 Jun 2025 15:15	FG015917.D	14.980	
TP-47	Q2150-05	04 Jun 2025 15:45	FG015918.D	14.980	
TP-50	Q2150-06	04 Jun 2025 16:48	FG015919.D	14.983	
TP-51	Q2150-07	04 Jun 2025 17:18	FG015920.D	14.983	
TP-52	Q2150-08	04 Jun 2025 17:47	FG015921.D	14.985	
TP-53	Q2150-10	04 Jun 2025 18:17	FG015922.D	14.984	
PIBLK04	I.BLK04	04 Jun 2025 18:46	FG015923.D	14.983	
50 PPM TRPH STD	50 PPM TRPH STD	04 Jun 2025 19:16	FG015924.D	14.986	

 # Column used to flag RT values with an * values outside of QC limits

QC Limits	Lower Limit	Upper Limits
(± 0.10 minutes)	14.8848	15.0848

SAMPLE RAW DATA

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG060425\
Data File : FG015914.D
Signal(s) : FID1A.ch
Acq On : 04 Jun 2025 13:47
Operator : YP\AJ
Sample : Q2150-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
TP-44

Integration File: autoint1.e
Quant Time: Jun 05 05:35:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG052225.M
Quant Title :
QLast Update : Thu May 22 06:20:25 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : Rxi-1ms
Signal Info : 20mx0.18mmx0.18um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
9) S TETRACOSANE-d50 (SURR...	14.979	1678448	13.695 ug/ml
Target Compounds			

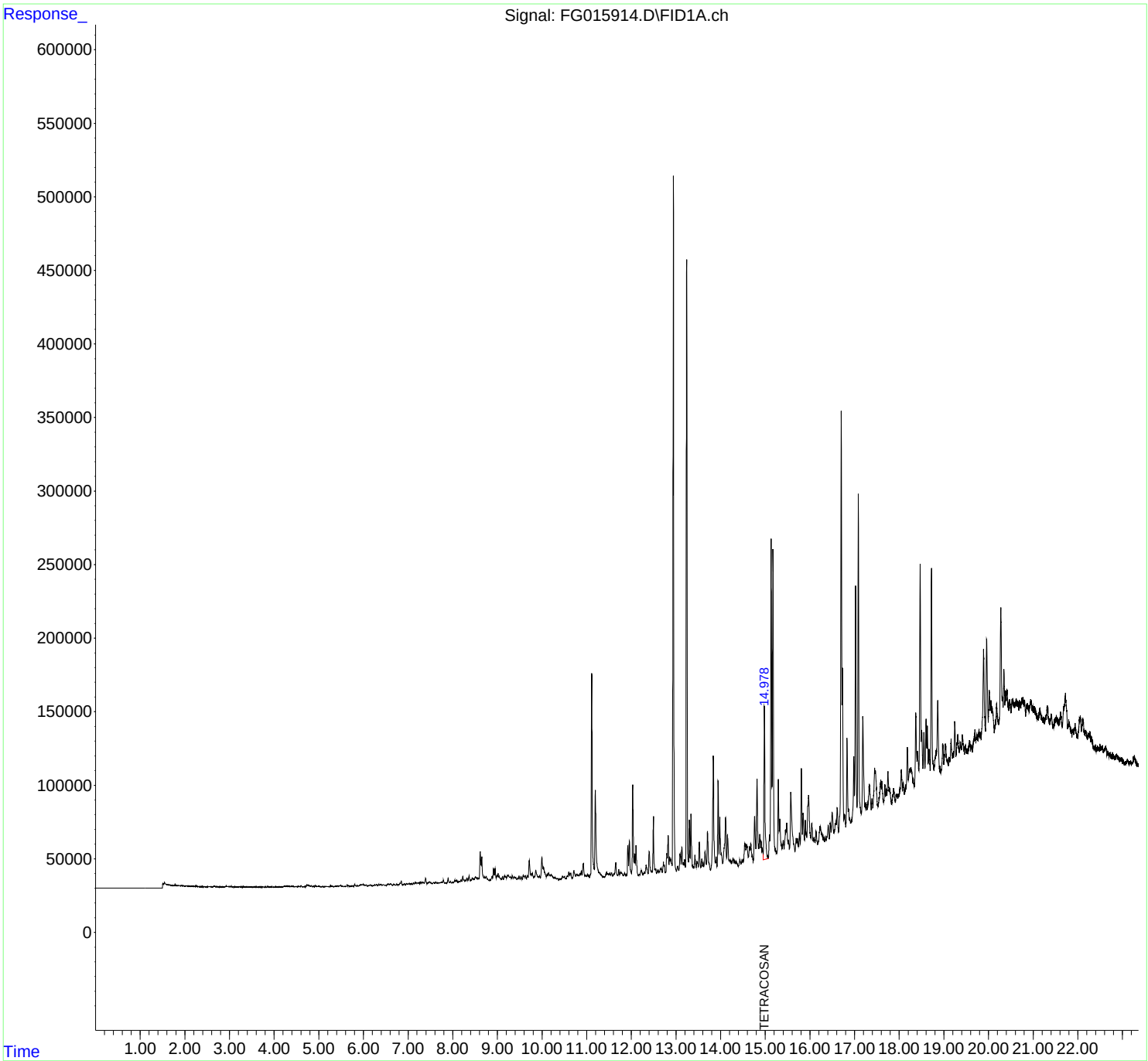
(f)=RT Delta > 1/2 Window (m)=manual int.

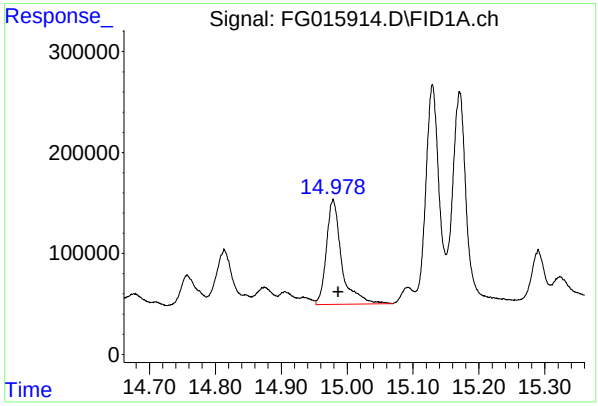
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG060425\
Data File : FG015914.D
Signal(s) : FID1A.ch
Acq On : 04 Jun 2025 13:47
Operator : YP\AJ
Sample : Q2150-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
TP-44

Integration File: autoint1.e
Quant Time: Jun 05 05:35:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG052225.M
Quant Title :
QLast Update : Thu May 22 06:20:25 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : Rxi-1ms
Signal Info : 20mx0.18mmx0.18um





#9 TETRACOSANE-d50 (SURROGATE)

R.T.: 14.979 min
Delta R.T.: -0.008 mi
Response: 1678448
Conc: 13.69 ug/m

Instrument :
FID_G
ClientSampleId :
TP-44

11

A B C D E F G H I J

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG060425\
Data File : FG015914.D
Signal(s) : FID1A.ch
Acq On : 04 Jun 2025 13:47
Sample : Q2150-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Integration File: Sample.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG052225.M
Title :

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.332	4.312	4.353	BV	66	501	0.01%	0.001%
2	4.371	4.353	4.412	PV	211	3805	0.07%	0.005%
3	4.429	4.412	4.440	VV	197	2247	0.04%	0.003%
4	4.445	4.440	4.449	VV	189	579	0.01%	0.001%
5	4.459	4.449	4.476	PV	117	1219	0.02%	0.002%
6	4.493	4.476	4.508	VV	236	2807	0.05%	0.004%
7	4.513	4.508	4.519	VV	190	740	0.01%	0.001%
8	4.540	4.519	4.560	VV	346	4097	0.07%	0.006%
9	4.564	4.560	4.576	VV	195	1154	0.02%	0.002%
10	4.581	4.576	4.588	VV	68	366	0.01%	0.000%
11	4.607	4.588	4.629	PV	751	9431	0.16%	0.013%
12	4.631	4.629	4.651	VV	189	1060	0.02%	0.001%
13	4.660	4.651	4.678	VV	153	1606	0.03%	0.002%
14	4.692	4.678	4.702	VV	410	2440	0.04%	0.003%
15	4.705	4.702	4.711	VV	270	1024	0.02%	0.001%
16	4.743	4.711	4.759	VV	1300	25965	0.45%	0.035%
17	4.764	4.759	4.802	VV	1188	23057	0.40%	0.031%
18	4.810	4.802	4.826	VV	688	8733	0.15%	0.012%
19	4.829	4.826	4.865	VV	659	10995	0.19%	0.015%
20	4.866	4.865	4.870	VV	389	1117	0.02%	0.002%
21	4.878	4.870	4.884	VV	422	2986	0.05%	0.004%
22	4.888	4.884	4.900	VV	413	3466	0.06%	0.005%
23	4.922	4.900	4.944	VV	927	13917	0.24%	0.019%
24	4.949	4.944	4.973	VV	311	4588	0.08%	0.006%
25	4.993	4.973	5.037	VV	505	11216	0.19%	0.015%
26	5.072	5.037	5.089	VV	366	6376	0.11%	0.009%
27	5.097	5.089	5.119	VV	210	2045	0.04%	0.003%
28	5.139	5.119	5.142	PV	220	1972	0.03%	0.003%
29	5.167	5.142	5.190	VV	471	8253	0.14%	0.011%
30	5.193	5.190	5.219	VV	268	2947	0.05%	0.004%
31	5.242	5.219	5.247	VV	279	3381	0.06%	0.005%
32	5.264	5.247	5.277	VV	789	8867	0.15%	0.012%
33	5.284	5.277	5.302	VV	554	6588	0.11%	0.009%
34	5.321	5.302	5.341	VV	382	5725	0.10%	0.008%
35	5.382	5.341	5.386	PV	446	6706	0.12%	0.009%
36	5.403	5.386	5.422	VV	650	10220	0.18%	0.014%

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37	5.427	5.422	5.437	VV	486	3947	0.07%	0.005%
38	5.453	5.437	5.472	VV	492	9430	0.16%	0.013%
39	5.489	5.472	5.510	VV	1029	15570	0.27%	0.021%
40	5.514	5.510	5.522	VV	426	2726	0.05%	0.004%
41	5.525	5.522	5.564	VV	506	6863	0.12%	0.009%
42	5.568	5.564	5.585	VV	204	1329	0.02%	0.002%
43	5.591	5.585	5.614	VV	153	1136	0.02%	0.002%
44	5.636	5.614	5.655	PV	1303	16967	0.29%	0.023%
45	5.670	5.655	5.693	VV	788	10131	0.17%	0.014%
46	5.703	5.693	5.725	VV	315	4676	0.08%	0.006%
47	5.753	5.725	5.779	VV	401	8197	0.14%	0.011%
48	5.807	5.779	5.848	VV	1479	23860	0.41%	0.032%
49	5.859	5.848	5.882	VV	685	9055	0.16%	0.012%
50	5.896	5.882	5.900	VV	376	3282	0.06%	0.004%
51	5.934	5.900	5.942	VV	928	16819	0.29%	0.023%
52	5.958	5.942	5.979	VV	1152	22190	0.38%	0.030%
53	5.996	5.979	6.024	VV	1272	26736	0.46%	0.036%
54	6.039	6.024	6.049	VV	773	10233	0.18%	0.014%
55	6.060	6.049	6.082	VV	762	9074	0.16%	0.012%
56	6.087	6.082	6.091	PV	147	438	0.01%	0.001%
57	6.111	6.091	6.123	VV	552	5930	0.10%	0.008%
58	6.156	6.123	6.185	VV	927	17233	0.30%	0.023%
59	6.255	6.185	6.276	VV	688	21375	0.37%	0.029%
60	6.294	6.276	6.329	VV	1129	19628	0.34%	0.027%
61	6.345	6.329	6.360	VV	1089	13485	0.23%	0.018%
62	6.382	6.360	6.410	VV	959	20708	0.36%	0.028%
63	6.417	6.410	6.429	VV	677	6154	0.11%	0.008%
64	6.448	6.429	6.479	VV	781	16122	0.28%	0.022%
65	6.499	6.479	6.514	VV	358	4701	0.08%	0.006%
66	6.541	6.514	6.552	VV	1080	15013	0.26%	0.020%
67	6.563	6.552	6.579	VV	948	13233	0.23%	0.018%
68	6.598	6.579	6.604	VV	972	12423	0.21%	0.017%
69	6.614	6.604	6.650	VV	988	16589	0.29%	0.023%
70	6.679	6.650	6.684	VV	694	8793	0.15%	0.012%
71	6.697	6.684	6.717	VV	939	10370	0.18%	0.014%
72	6.744	6.717	6.753	PV	763	8483	0.15%	0.012%
73	6.761	6.753	6.774	VV	617	6218	0.11%	0.008%
74	6.790	6.774	6.799	VV	712	6912	0.12%	0.009%
75	6.821	6.799	6.832	VV	1419	19392	0.33%	0.026%
76	6.848	6.832	6.883	VV	3152	41231	0.71%	0.056%
77	6.916	6.883	6.943	VV	842	17402	0.30%	0.024%
78	6.971	6.943	6.999	VV	1059	22914	0.39%	0.031%
79	7.025	6.999	7.043	VV	1115	19148	0.33%	0.026%
80	7.065	7.043	7.083	VV	882	16139	0.28%	0.022%
81	7.093	7.083	7.106	VV	738	7661	0.13%	0.010%
82	7.126	7.106	7.144	VV	1373	18673	0.32%	0.025%
83	7.164	7.144	7.179	VV	1948	25652	0.44%	0.035%
84	7.196	7.179	7.221	VV	1428	27980	0.48%	0.038%
85	7.237	7.221	7.260	VV	1472	25157	0.43%	0.034%
86	7.287	7.260	7.307	VV	1628	32985	0.57%	0.045%
87	7.324	7.307	7.341	VV	1742	28388	0.49%	0.039%
88	7.352	7.341	7.363	VV	1312	15236	0.26%	0.021%
89	7.395	7.363	7.422	VV	4135	76358	1.31%	0.104%

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90	7.463	7.422	7.471	VV	1212	28567	0.49%	0.039%
91	7.484	7.471	7.541	VV	1654	39643	0.68%	0.054%
92	7.569	7.541	7.595	VV	1178	24351	0.42%	0.033%
93	7.618	7.595	7.653	VV	1458	31773	0.55%	0.043%
94	7.668	7.653	7.687	VV	941	16002	0.28%	0.022%
95	7.700	7.687	7.712	VV	858	11336	0.19%	0.015%
96	7.719	7.712	7.732	VV	831	9174	0.16%	0.012%
97	7.748	7.732	7.769	VV	1130	21329	0.37%	0.029%
98	7.792	7.769	7.825	VV	2478	42274	0.73%	0.057%
99	7.835	7.825	7.849	VV	762	7558	0.13%	0.010%
100	7.898	7.849	7.928	VV	3653	62863	1.08%	0.085%
101	7.949	7.928	7.969	VV	1312	21051	0.36%	0.029%
102	7.989	7.969	8.007	VV	818	12316	0.21%	0.017%
103	8.046	8.007	8.059	VV	2283	35493	0.61%	0.048%
104	8.078	8.059	8.114	VV	2032	45948	0.79%	0.062%
105	8.150	8.114	8.159	VV	1243	24529	0.42%	0.033%
106	8.184	8.159	8.207	VV	1920	41244	0.71%	0.056%
107	8.226	8.207	8.245	VV	4519	69280	1.19%	0.094%
108	8.252	8.245	8.272	VV	2111	27622	0.47%	0.038%
109	8.290	8.272	8.304	VV	2015	29682	0.51%	0.040%
110	8.320	8.304	8.341	VV	3377	57404	0.99%	0.078%
111	8.368	8.341	8.396	VV	4751	93606	1.61%	0.127%
112	8.436	8.396	8.452	VV	3145	72555	1.25%	0.099%
113	8.464	8.452	8.486	VV	2650	50166	0.86%	0.068%
114	8.504	8.486	8.540	VV	3734	102699	1.77%	0.139%
115	8.549	8.540	8.566	VV	3114	44234	0.76%	0.060%
116	8.577	8.566	8.592	VV	2883	40757	0.70%	0.055%
117	8.616	8.592	8.637	VV	20910	344944	5.93%	0.468%
118	8.651	8.637	8.701	VV	17268	322767	5.55%	0.438%
119	8.715	8.701	8.727	VV	3442	49450	0.85%	0.067%
120	8.748	8.727	8.778	VV	3864	93879	1.61%	0.127%
121	8.783	8.778	8.815	VV	2179	34387	0.59%	0.047%
122	8.829	8.815	8.845	VV	1595	24933	0.43%	0.034%
123	8.882	8.845	8.896	VV	3858	80050	1.38%	0.109%
124	8.915	8.896	8.936	VV	9021	146712	2.52%	0.199%
125	8.951	8.936	8.974	VV	9292	134636	2.31%	0.183%
126	8.990	8.974	9.002	VV	4402	61242	1.05%	0.083%
127	9.016	9.002	9.033	VV	5708	81534	1.40%	0.111%
128	9.042	9.033	9.071	VV	3739	64426	1.11%	0.087%
129	9.073	9.071	9.099	VV	2037	30515	0.52%	0.041%
130	9.118	9.099	9.137	VV	3336	53161	0.91%	0.072%
131	9.160	9.137	9.179	VV	3547	70905	1.22%	0.096%
132	9.190	9.179	9.203	VV	3246	41256	0.71%	0.056%
133	9.243	9.203	9.276	VV	4323	150579	2.59%	0.205%
134	9.287	9.276	9.312	VV	3080	57919	1.00%	0.079%
135	9.334	9.312	9.356	VV	3895	73514	1.26%	0.100%
136	9.376	9.356	9.396	VV	3076	60475	1.04%	0.082%
137	9.412	9.396	9.439	VV	2742	49725	0.85%	0.068%
138	9.456	9.439	9.469	VV	2120	29810	0.51%	0.040%
139	9.485	9.469	9.509	VV	3492	57366	0.99%	0.078%
140	9.530	9.509	9.552	VV	2955	53270	0.92%	0.072%
141	9.580	9.552	9.606	VV	3997	89156	1.53%	0.121%

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142	9.627	9.606	9.652	VV	3567	74879	1.29%	0.102%
143	9.671	9.652	9.692	VV	3369	62337	1.07%	0.085%
144	9.714	9.692	9.759	VV	13803	298178	5.13%	0.405%
145	9.783	9.759	9.816	VV	4967	125933	2.16%	0.171%
146	9.829	9.816	9.839	VV	2629	33234	0.57%	0.045%
147	9.861	9.839	9.905	VV	6823	172219	2.96%	0.234%
148	9.916	9.905	9.929	VV	2598	35514	0.61%	0.048%
149	9.943	9.929	9.964	VV	2883	49303	0.85%	0.067%
150	9.997	9.964	10.022	VV	15505	296563	5.10%	0.403%
151	10.034	10.022	10.099	VV	8870	248510	4.27%	0.338%
152	10.115	10.099	10.129	VV	4044	60009	1.03%	0.081%
153	10.147	10.129	10.177	VV	4871	105698	1.82%	0.144%
154	10.196	10.177	10.268	VV	3388	133576	2.30%	0.181%
155	10.285	10.268	10.292	VV	1669	18578	0.32%	0.025%
156	10.297	10.292	10.334	VV	1362	23690	0.41%	0.032%
157	10.343	10.334	10.377	VV	792	10447	0.18%	0.014%
158	10.384	10.377	10.408	VV	291	3358	0.06%	0.005%
159	10.431	10.408	10.437	PV	574	6864	0.12%	0.009%
160	10.460	10.437	10.484	VV	2445	43591	0.75%	0.059%
161	10.499	10.484	10.526	VV	1958	33250	0.57%	0.045%
162	10.535	10.526	10.539	VV	596	3632	0.06%	0.005%
163	10.601	10.539	10.625	VV	4930	129993	2.23%	0.177%
164	10.644	10.625	10.677	VV	4223	75627	1.30%	0.103%
165	10.714	10.677	10.754	VV	5575	134846	2.32%	0.183%
166	10.771	10.754	10.792	VV	3167	56702	0.97%	0.077%
167	10.807	10.792	10.818	VV	2532	37241	0.64%	0.051%
168	10.853	10.818	10.865	VV	3642	78155	1.34%	0.106%
169	10.883	10.865	10.898	VV	5346	76435	1.31%	0.104%
170	10.925	10.898	10.966	VV	10072	216374	3.72%	0.294%
171	10.989	10.966	11.002	VV	1983	38959	0.67%	0.053%
172	11.020	11.002	11.038	VV	2883	43175	0.74%	0.059%
173	11.047	11.038	11.069	VV	1634	21851	0.38%	0.030%
174	11.114	11.069	11.172	VV	139271	1953905	33.59%	2.654%
175	11.195	11.172	11.283	VV	59733	1170645	20.12%	1.590%
176	11.290	11.283	11.324	VV	3488	65761	1.13%	0.089%
177	11.330	11.324	11.355	VV	1918	23173	0.40%	0.031%
178	11.361	11.355	11.381	VV	702	9033	0.16%	0.012%
179	11.385	11.381	11.405	VV	691	5184	0.09%	0.007%
180	11.444	11.405	11.477	PV	3418	88755	1.53%	0.121%
181	11.486	11.477	11.502	VV	2431	31529	0.54%	0.043%
182	11.520	11.502	11.538	VV	3031	47868	0.82%	0.065%
183	11.559	11.538	11.579	VV	3006	46587	0.80%	0.063%
184	11.609	11.579	11.615	VV	2210	31318	0.54%	0.043%
185	11.652	11.615	11.696	VV	9721	197375	3.39%	0.268%
186	11.720	11.696	11.741	VV	5006	72987	1.25%	0.099%
187	11.760	11.741	11.770	VV	2893	41436	0.71%	0.056%
188	11.779	11.770	11.828	VV	2846	55784	0.96%	0.076%
189	11.847	11.828	11.872	VV	2483	39997	0.69%	0.054%
190	11.875	11.872	11.894	VV	1201	10152	0.17%	0.014%
191	11.922	11.894	11.939	VV	21102	257948	4.43%	0.350%
192	11.955	11.939	12.007	VV	23874	388861	6.68%	0.528%
193	12.033	12.007	12.059	VV	61988	872340	15.00%	1.185%
194	12.073	12.059	12.086	VV	14831	195639	3.36%	0.266%

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195	12.104	12.086	12.158	VV	20778	367475	6.32%	0.499%
196	12.175	12.158	12.187	PV	744	9423	0.16%	0.013%
197	12.219	12.187	12.223	VV	3258	39114	0.67%	0.053%
198	12.229	12.223	12.256	VV	3361	38881	0.67%	0.053%
199	12.287	12.256	12.304	VV	1795	33736	0.58%	0.046%
200	12.333	12.304	12.377	VV	6917	161167	2.77%	0.219%
201	12.399	12.377	12.444	VV	15836	276652	4.76%	0.376%
202	12.462	12.444	12.472	VV	2400	35923	0.62%	0.049%
203	12.495	12.472	12.531	VV	39415	504913	8.68%	0.686%
204	12.541	12.531	12.567	VV	3609	55155	0.95%	0.075%
205	12.599	12.567	12.616	VV	2959	54051	0.93%	0.073%
206	12.624	12.616	12.634	VV	1737	15842	0.27%	0.022%
207	12.650	12.634	12.658	VV	3707	38034	0.65%	0.052%
208	12.670	12.658	12.696	VV	4212	63468	1.09%	0.086%
209	12.718	12.696	12.764	VV	8021	161520	2.78%	0.219%
210	12.795	12.764	12.807	VV	13595	178524	3.07%	0.242%
211	12.823	12.807	12.844	VV	25838	350705	6.03%	0.476%
212	12.860	12.844	12.876	VV	10665	172313	2.96%	0.234%
213	12.888	12.876	12.913	VV	9144	165098	2.84%	0.224%
214	12.942	12.913	13.009	VV	472003	5817014	100.00%	7.900%
215	13.041	13.009	13.066	VV	4037	93363	1.60%	0.127%
216	13.090	13.066	13.114	VV	12705	239950	4.12%	0.326%
217	13.132	13.114	13.153	VV	16916	245730	4.22%	0.334%
218	13.163	13.153	13.172	VV	6362	67451	1.16%	0.092%
219	13.190	13.172	13.210	VV	8595	145739	2.51%	0.198%
220	13.239	13.210	13.279	VV	415627	4829877	83.03%	6.560%
221	13.299	13.279	13.316	VV	35116	449405	7.73%	0.610%
222	13.333	13.316	13.394	VV	38672	666735	11.46%	0.906%
223	13.424	13.394	13.453	VV	11036	200651	3.45%	0.273%
224	13.476	13.453	13.500	VV	6377	138446	2.38%	0.188%
225	13.521	13.500	13.558	VV	19523	319325	5.49%	0.434%
226	13.577	13.558	13.594	VV	8028	115118	1.98%	0.156%
227	13.606	13.594	13.621	VV	5405	66302	1.14%	0.090%
228	13.650	13.621	13.683	VV	13005	267829	4.60%	0.364%
229	13.707	13.683	13.774	VV	26576	512188	8.80%	0.696%
230	13.835	13.774	13.883	PV	77205	1424704	24.49%	1.935%
231	13.899	13.883	13.919	VV	8458	116852	2.01%	0.159%
232	13.943	13.919	13.964	VV	58946	778084	13.38%	1.057%
233	13.982	13.964	14.009	VV	35031	552030	9.49%	0.750%
234	14.015	14.009	14.047	VV	10205	154748	2.66%	0.210%
235	14.110	14.047	14.135	VV	34098	813906	13.99%	1.105%
236	14.154	14.135	14.194	VV	22246	410012	7.05%	0.557%
237	14.198	14.194	14.209	VV	5146	42731	0.73%	0.058%
238	14.221	14.209	14.236	VV	4744	66962	1.15%	0.091%
239	14.244	14.236	14.257	VV	4005	43815	0.75%	0.060%
240	14.278	14.257	14.301	VV	5780	114974	1.98%	0.156%
241	14.317	14.301	14.334	VV	3683	61424	1.06%	0.083%
242	14.345	14.334	14.364	VV	3406	44927	0.77%	0.061%
243	14.371	14.364	14.391	VV	1839	17376	0.30%	0.024%
244	14.396	14.391	14.400	PV	262	741	0.01%	0.001%
245	14.427	14.400	14.459	PV	4101	75956	1.31%	0.103%
246	14.477	14.459	14.492	VV	3211	46417	0.80%	0.063%

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247	14.505	14.492	14.514	VV	3530	37405	0.64%	0.051%
248	14.545	14.514	14.562	VV	14247	298773	5.14%	0.406%
249	14.579	14.562	14.591	VV	12793	203806	3.50%	0.277%
250	14.595	14.591	14.618	VV	12025	125562	2.16%	0.171%
251	14.644	14.618	14.663	VV	11139	227640	3.91%	0.309%
252	14.677	14.663	14.702	VV	12710	214940	3.70%	0.292%
253	14.709	14.702	14.727	VV	4582	46122	0.79%	0.063%
254	14.757	14.727	14.787	VV	30928	530563	9.12%	0.721%
255	14.814	14.787	14.842	VV	55891	945549	16.25%	1.284%
256	14.846	14.842	14.855	VV	10646	73995	1.27%	0.100%
257	14.875	14.855	14.894	VV	17964	310749	5.34%	0.422%
258	14.906	14.894	14.929	VV	13315	204343	3.51%	0.278%
259	14.934	14.929	14.953	VV	7441	85910	1.48%	0.117%
260	14.979	14.953	15.041	VV	104248	1656843	28.48%	2.250%
261	15.046	15.041	15.068	VV	1990	22240	0.38%	0.030%
262	15.092	15.068	15.104	VV	16019	199445	3.43%	0.271%
263	15.130	15.104	15.150	VV	216644	2974922	51.14%	4.040%
264	15.171	15.150	15.258	VV	207787	3077492	52.91%	4.180%
265	15.290	15.258	15.309	VV	52093	716212	12.31%	0.973%
266	15.323	15.309	15.384	VV	24934	547882	9.42%	0.744%
267	15.401	15.384	15.420	VV	10144	157188	2.70%	0.213%
268	15.456	15.420	15.461	VV	16184	272331	4.68%	0.370%
269	15.478	15.461	15.507	VV	21016	415128	7.14%	0.564%
270	15.520	15.507	15.543	VV	8694	138041	2.37%	0.187%
271	15.569	15.543	15.664	VV	41306	1080477	18.57%	1.467%
272	15.688	15.664	15.711	PV	8895	160947	2.77%	0.219%
273	15.720	15.711	15.741	VV	8349	105167	1.81%	0.143%
274	15.764	15.741	15.781	VV	11989	174447	3.00%	0.237%
275	15.807	15.781	15.830	VV	55095	786015	13.51%	1.068%
276	15.846	15.830	15.879	VV	24573	435898	7.49%	0.592%
277	15.895	15.879	15.928	VV	19443	352573	6.06%	0.479%
278	15.970	15.928	16.023	VV	35628	1071639	18.42%	1.455%
279	16.040	16.023	16.079	VV	15809	312338	5.37%	0.424%
280	16.091	16.079	16.116	VV	5855	86678	1.49%	0.118%
281	16.135	16.116	16.175	VV	9665	159803	2.75%	0.217%
282	16.227	16.175	16.266	PV	11502	355159	6.11%	0.482%
283	16.272	16.266	16.301	VV	6194	84368	1.45%	0.115%
284	16.312	16.301	16.333	VV	3435	38461	0.66%	0.052%
285	16.349	16.333	16.368	PV	2451	27899	0.48%	0.038%
286	16.410	16.368	16.435	VV	9789	176499	3.03%	0.240%
287	16.454	16.435	16.472	PV	10225	138334	2.38%	0.188%
288	16.496	16.472	16.532	VV	17476	354996	6.10%	0.482%
289	16.579	16.532	16.588	VV	9034	197324	3.39%	0.268%
290	16.610	16.588	16.641	VV	17926	329975	5.67%	0.448%
291	16.700	16.641	16.717	VV	285630	4112091	70.69%	5.585%
292	16.727	16.717	16.758	VV	110919	1430164	24.59%	1.942%
293	16.773	16.758	16.802	VV	10736	198691	3.42%	0.270%
294	16.831	16.802	16.856	VV	61825	881561	15.15%	1.197%
295	16.865	16.856	16.911	VV	13315	247553	4.26%	0.336%
296	16.915	16.911	16.920	VV	3940	17556	0.30%	0.024%
297	16.929	16.920	16.934	VV	4940	31194	0.54%	0.042%
298	16.982	16.934	16.997	VV	46652	751683	12.92%	1.021%
299	17.022	16.997	17.056	VV	159507	2405776	41.36%	3.267%

rteres

300	17.083	17.056	17.151	VV	221503	3231128	55.55%	4.388%
301	17.183	17.151	17.229	VV	70287	1384310	23.80%	1.880%
302	17.234	17.229	17.244	VV	10752	79542	1.37%	0.108%
303	17.254	17.244	17.279	VV	11048	174887	3.01%	0.238%
304	17.331	17.279	17.372	VV	21983	704068	12.10%	0.956%
305	17.390	17.372	17.408	VV	11423	177232	3.05%	0.241%
306	17.448	17.408	17.460	VV	31268	603656	10.38%	0.820%
307	17.467	17.460	17.528	VV	29036	598604	10.29%	0.813%
308	17.585	17.528	17.598	VV	20848	513127	8.82%	0.697%
309	17.611	17.598	17.654	VV	19529	365327	6.28%	0.496%
310	17.675	17.654	17.694	VV	16254	257201	4.42%	0.349%
311	17.712	17.694	17.725	VV	11873	190639	3.28%	0.259%
312	17.746	17.725	17.774	VV	23602	450006	7.74%	0.611%
313	17.783	17.774	17.829	VV	12024	215555	3.71%	0.293%
314	17.877	17.829	17.911	PV	9929	228076	3.92%	0.310%
315	17.936	17.911	17.945	PV	4568	53474	0.92%	0.073%
316	17.948	17.945	17.966	VV	3367	28975	0.50%	0.039%
317	17.977	17.966	17.984	VV	1905	17158	0.29%	0.023%
318	17.990	17.984	17.995	VV	1909	9505	0.16%	0.013%

Sum of corrected areas: 73631193

FG052225.M Thu Jun 05 06:08:06 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG060425\
Data File : FG015915.D
Signal(s) : FID1A.ch
Acq On : 04 Jun 2025 14:16
Operator : YP\AJ
Sample : Q2150-02
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
TP-42

Integration File: autoint1.e
Quant Time: Jun 05 05:35:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG052225.M
Quant Title :
QLast Update : Thu May 22 06:20:25 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : Rxi-1ms
Signal Info : 20mx0.18mmx0.18um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
9) S TETRACOSANE-d50 (SURR...	14.979	1604585	13.092 ug/ml
Target Compounds			

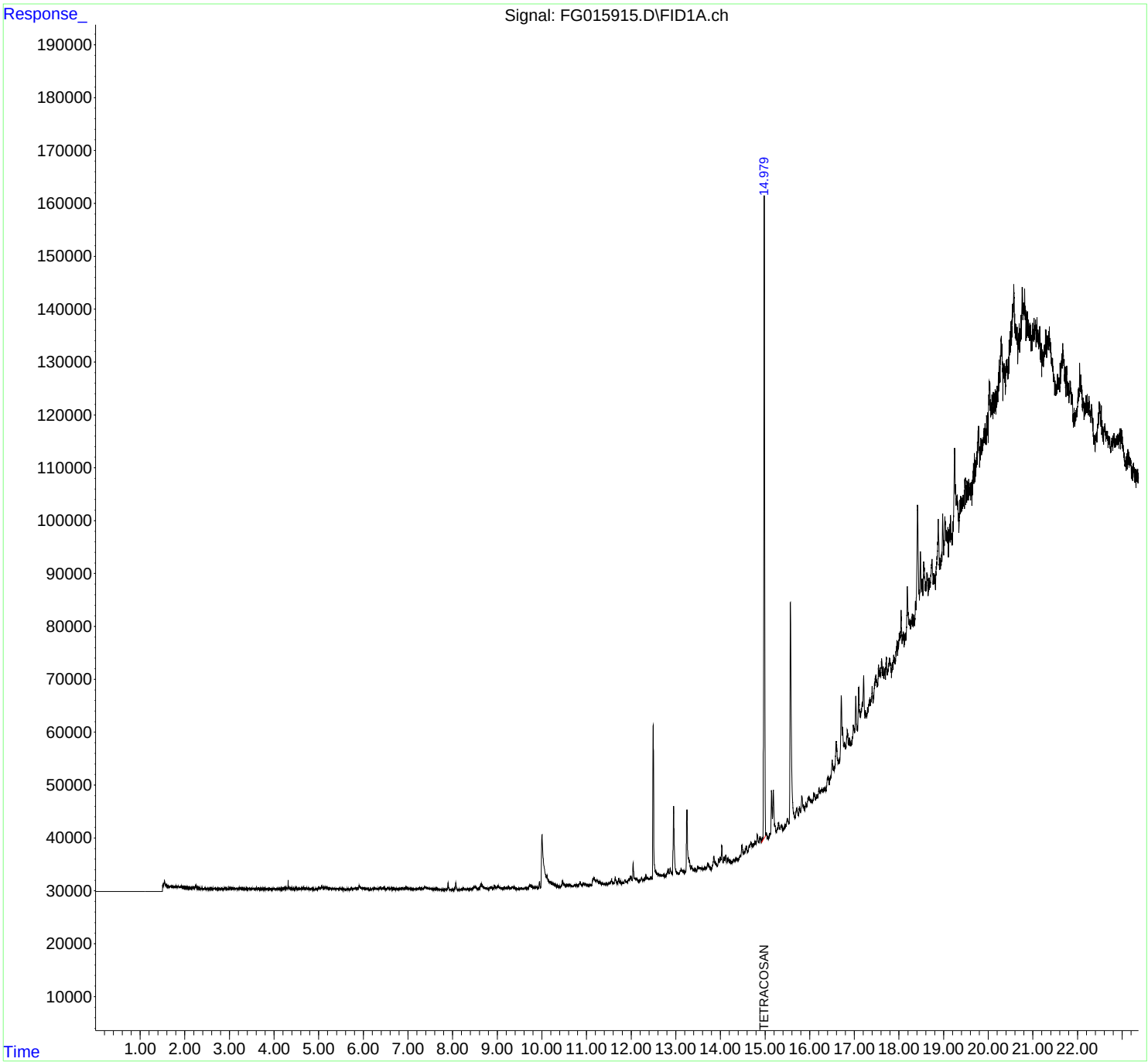
(f)=RT Delta > 1/2 Window (m)=manual int.

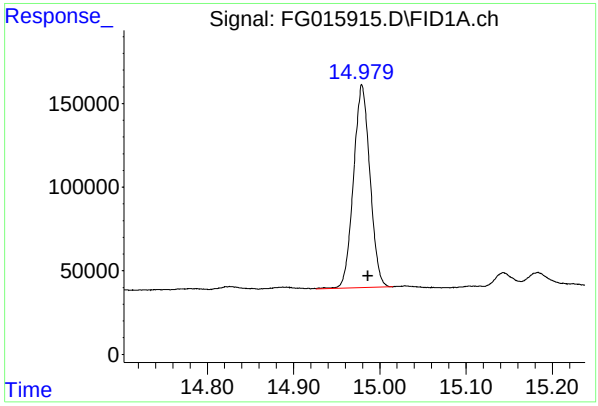
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG060425\
Data File : FG015915.D
Signal(s) : FID1A.ch
Acq On : 04 Jun 2025 14:16
Operator : YP\AJ
Sample : Q2150-02
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
TP-42

Integration File: autoint1.e
Quant Time: Jun 05 05:35:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG052225.M
Quant Title :
QLast Update : Thu May 22 06:20:25 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : Rxi-1ms
Signal Info : 20mx0.18mmx0.18um





#9 TETRACOSANE-d50 (SURROGATE)

R.T.: 14.979 min
Delta R.T.: -0.007 mi
Response: 1604585
Conc: 13.09 ug/m

Instrument :
FID_G
ClientSampleId :
TP-42

11

A B C D E F G H I J

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG060425\
Data File : FG015915.D
Signal(s) : FID1A.ch
Acq On : 04 Jun 2025 14:16
Sample : Q2150-02
Misc :
ALS Vial : 24 Sample Multiplier: 1

Integration File: Sample.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG052225.M
Title :

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.314	4.300	4.325	BV	1417	2173	0.13%	0.022%
2	4.330	4.325	4.353	VV	185	1376	0.08%	0.014%
3	4.355	4.353	4.364	VV	164	483	0.03%	0.005%
4	4.370	4.364	4.395	PV	152	1708	0.10%	0.017%
5	4.399	4.395	4.407	VV	164	759	0.05%	0.008%
6	4.419	4.407	4.434	PV	171	1723	0.10%	0.017%
7	4.437	4.434	4.456	VV	109	930	0.06%	0.009%
8	4.470	4.456	4.474	VV	151	917	0.06%	0.009%
9	4.487	4.474	4.498	VV	205	2409	0.15%	0.024%
10	4.503	4.498	4.510	VV	184	984	0.06%	0.010%
11	4.513	4.510	4.547	VV	174	2162	0.13%	0.022%
12	4.554	4.547	4.564	PV	109	743	0.05%	0.008%
13	4.569	4.564	4.588	VV	124	991	0.06%	0.010%
14	4.603	4.588	4.610	VV	210	1454	0.09%	0.015%
15	4.613	4.610	4.619	VV	215	686	0.04%	0.007%
16	4.623	4.619	4.630	VV	205	810	0.05%	0.008%
17	4.635	4.630	4.643	VV	184	964	0.06%	0.010%
18	4.665	4.643	4.689	VV	382	5590	0.34%	0.057%
19	4.692	4.689	4.717	VV	354	2289	0.14%	0.023%
20	4.722	4.717	4.726	VV	250	841	0.05%	0.009%
21	4.731	4.726	4.741	VV	195	1376	0.08%	0.014%
22	4.744	4.741	4.765	VV	173	1791	0.11%	0.018%
23	4.772	4.765	4.785	VV	150	1082	0.07%	0.011%
24	4.793	4.785	4.811	VV	150	1436	0.09%	0.015%
25	4.830	4.811	4.835	VV	191	1508	0.09%	0.015%
26	4.838	4.835	4.850	VV	194	1131	0.07%	0.011%
27	4.854	4.850	4.872	VV	175	1269	0.08%	0.013%
28	4.877	4.872	4.898	VV	182	1407	0.09%	0.014%
29	4.910	4.898	4.918	PV	108	903	0.05%	0.009%
30	4.921	4.918	4.932	VV	152	1072	0.07%	0.011%
31	4.936	4.932	4.944	VV	146	774	0.05%	0.008%
32	4.949	4.944	4.961	VV	171	1370	0.08%	0.014%
33	4.974	4.961	4.984	VV	215	2099	0.13%	0.021%
34	4.995	4.984	4.999	VV	259	1808	0.11%	0.018%
35	5.006	4.999	5.013	VV	254	2112	0.13%	0.021%
36	5.022	5.013	5.050	VV	500	7105	0.43%	0.072%

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37	5.065	5.050	5.122	VV	592	17929	1.09%	0.181%
38	5.125	5.122	5.130	VV	329	1510	0.09%	0.015%
39	5.150	5.130	5.181	VV	432	10555	0.64%	0.107%
40	5.188	5.181	5.215	VV	340	5290	0.32%	0.054%
41	5.220	5.215	5.231	VV	240	1892	0.12%	0.019%
42	5.240	5.231	5.265	VV	274	4155	0.25%	0.042%
43	5.270	5.265	5.274	VV	185	1088	0.07%	0.011%
44	5.281	5.274	5.287	VV	250	1385	0.08%	0.014%
45	5.290	5.287	5.303	VV	192	1662	0.10%	0.017%
46	5.311	5.303	5.319	VV	208	1586	0.10%	0.016%
47	5.321	5.319	5.340	VV	230	1972	0.12%	0.020%
48	5.347	5.340	5.363	VV	179	1874	0.11%	0.019%
49	5.371	5.363	5.384	VV	155	1714	0.10%	0.017%
50	5.388	5.384	5.394	VV	221	900	0.05%	0.009%
51	5.412	5.394	5.420	VV	173	2148	0.13%	0.022%
52	5.432	5.420	5.437	VV	183	1319	0.08%	0.013%
53	5.469	5.437	5.484	VV	282	4871	0.30%	0.049%
54	5.488	5.484	5.504	VV	255	2067	0.13%	0.021%
55	5.508	5.504	5.518	VV	191	972	0.06%	0.010%
56	5.527	5.518	5.546	VV	174	2073	0.13%	0.021%
57	5.551	5.546	5.562	VV	171	995	0.06%	0.010%
58	5.565	5.562	5.574	VV	149	657	0.04%	0.007%
59	5.581	5.574	5.594	VV	141	873	0.05%	0.009%
60	5.636	5.594	5.656	VV	226	4374	0.27%	0.044%
61	5.660	5.656	5.670	VV	134	742	0.05%	0.008%
62	5.674	5.670	5.680	VV	155	578	0.04%	0.006%
63	5.685	5.680	5.699	VV	124	825	0.05%	0.008%
64	5.703	5.699	5.710	VV	122	551	0.03%	0.006%
65	5.736	5.710	5.750	VV	329	4891	0.30%	0.049%
66	5.754	5.750	5.775	VV	267	3083	0.19%	0.031%
67	5.786	5.775	5.812	VV	318	5394	0.33%	0.055%
68	5.818	5.812	5.823	VV	243	1559	0.09%	0.016%
69	5.828	5.823	5.849	VV	292	3459	0.21%	0.035%
70	5.908	5.849	5.950	VV	829	23917	1.46%	0.242%
71	5.963	5.950	6.004	VV	398	9900	0.60%	0.100%
72	6.015	6.004	6.038	VV	399	6560	0.40%	0.066%
73	6.041	6.038	6.075	VV	322	4950	0.30%	0.050%
74	6.078	6.075	6.090	VV	199	1606	0.10%	0.016%
75	6.101	6.090	6.132	VV	240	4611	0.28%	0.047%
76	6.138	6.132	6.147	VV	189	1219	0.07%	0.012%
77	6.156	6.147	6.169	VV	230	1907	0.12%	0.019%
78	6.178	6.169	6.190	VV	170	1615	0.10%	0.016%
79	6.204	6.190	6.216	VV	270	3020	0.18%	0.031%
80	6.222	6.216	6.235	VV	257	2491	0.15%	0.025%
81	6.249	6.235	6.261	VV	326	4320	0.26%	0.044%
82	6.268	6.261	6.274	VV	316	2085	0.13%	0.021%
83	6.278	6.274	6.290	VV	298	2365	0.14%	0.024%
84	6.293	6.290	6.305	VV	238	2043	0.12%	0.021%
85	6.312	6.305	6.321	VV	273	2202	0.13%	0.022%
86	6.328	6.321	6.332	VV	256	1612	0.10%	0.016%
87	6.335	6.332	6.339	VV	287	952	0.06%	0.010%
88	6.378	6.339	6.418	VV	513	16011	0.97%	0.162%
89	6.429	6.418	6.435	VV	358	3004	0.18%	0.030%

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90	6.440	6.435	6.448	VV	347	2223	0.14%	0.022%
91	6.452	6.448	6.456	VV	342	1431	0.09%	0.014%
92	6.462	6.456	6.485	VV	354	4804	0.29%	0.049%
93	6.488	6.485	6.507	VV	290	3026	0.18%	0.031%
94	6.512	6.507	6.515	VV	245	1094	0.07%	0.011%
95	6.527	6.515	6.535	VV	339	2848	0.17%	0.029%
96	6.554	6.535	6.579	VV	532	8867	0.54%	0.090%
97	6.587	6.579	6.599	VV	284	2678	0.16%	0.027%
98	6.619	6.599	6.639	VV	331	5946	0.36%	0.060%
99	6.643	6.639	6.654	VV	240	1599	0.10%	0.016%
100	6.673	6.654	6.691	VV	329	5202	0.32%	0.053%
101	6.697	6.691	6.725	VV	262	3098	0.19%	0.031%
102	6.757	6.725	6.763	VV	271	4952	0.30%	0.050%
103	6.770	6.763	6.781	VV	282	2467	0.15%	0.025%
104	6.787	6.781	6.805	VV	280	2942	0.18%	0.030%
105	6.819	6.805	6.836	VV	344	5114	0.31%	0.052%
106	6.840	6.836	6.843	VV	294	1170	0.07%	0.012%
107	6.850	6.843	6.857	VV	280	2349	0.14%	0.024%
108	6.859	6.857	6.868	VV	328	1737	0.11%	0.018%
109	6.872	6.868	6.879	VV	301	1795	0.11%	0.018%
110	6.883	6.879	6.910	VV	343	5721	0.35%	0.058%
111	6.914	6.910	6.925	VV	395	2764	0.17%	0.028%
112	6.957	6.925	6.980	VV	555	13087	0.80%	0.132%
113	6.989	6.980	6.996	VV	354	3050	0.19%	0.031%
114	6.999	6.996	7.015	VV	291	2941	0.18%	0.030%
115	7.025	7.015	7.044	VV	331	4525	0.28%	0.046%
116	7.047	7.044	7.051	VV	272	1019	0.06%	0.010%
117	7.061	7.051	7.077	VV	254	3431	0.21%	0.035%
118	7.083	7.077	7.090	VV	227	1515	0.09%	0.015%
119	7.094	7.090	7.103	VV	223	1421	0.09%	0.014%
120	7.118	7.103	7.129	VV	225	2991	0.18%	0.030%
121	7.135	7.129	7.145	VV	225	1685	0.10%	0.017%
122	7.153	7.145	7.194	VV	276	5862	0.36%	0.059%
123	7.202	7.194	7.210	VV	199	2027	0.12%	0.021%
124	7.238	7.210	7.247	VV	354	5656	0.34%	0.057%
125	7.268	7.247	7.280	VV	353	5887	0.36%	0.060%
126	7.289	7.280	7.300	VV	420	4240	0.26%	0.043%
127	7.303	7.300	7.314	VV	384	2376	0.14%	0.024%
128	7.321	7.314	7.327	VV	314	2143	0.13%	0.022%
129	7.389	7.327	7.432	VV	678	27392	1.67%	0.277%
130	7.451	7.432	7.467	VV	402	7364	0.45%	0.075%
131	7.469	7.467	7.483	VV	360	2607	0.16%	0.026%
132	7.486	7.483	7.505	VV	293	3445	0.21%	0.035%
133	7.507	7.505	7.514	VV	286	1240	0.08%	0.013%
134	7.531	7.514	7.540	VV	296	4004	0.24%	0.041%
135	7.544	7.540	7.556	VV	280	2269	0.14%	0.023%
136	7.569	7.556	7.579	VV	280	3053	0.19%	0.031%
137	7.581	7.579	7.587	VV	214	1022	0.06%	0.010%
138	7.595	7.587	7.605	VV	233	2092	0.13%	0.021%
139	7.622	7.605	7.633	VV	316	3678	0.22%	0.037%
140	7.643	7.633	7.647	VV	280	1804	0.11%	0.018%
141	7.651	7.647	7.668	VV	204	2087	0.13%	0.021%

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142	7.696	7.668	7.718	VV	260	5086	0.31%	0.051%
143	7.724	7.718	7.732	VV	155	1169	0.07%	0.012%
144	7.740	7.732	7.763	VV	150	2338	0.14%	0.024%
145	7.770	7.763	7.775	VV	196	974	0.06%	0.010%
146	7.780	7.775	7.806	VV	184	2467	0.15%	0.025%
147	7.810	7.806	7.819	VV	109	590	0.04%	0.006%
148	7.836	7.819	7.848	PV	178	1930	0.12%	0.020%
149	7.862	7.848	7.874	VV	177	1749	0.11%	0.018%
150	7.900	7.874	7.938	VV	1402	20055	1.22%	0.203%
151	7.943	7.938	7.951	VV	144	753	0.05%	0.008%
152	7.955	7.951	7.974	VV	105	988	0.06%	0.010%
153	7.981	7.974	7.998	VV	121	937	0.06%	0.009%
154	8.003	7.998	8.023	VV	188	1126	0.07%	0.011%
155	8.044	8.023	8.056	VV	374	4237	0.26%	0.043%
156	8.073	8.056	8.110	VV	1426	18766	1.14%	0.190%
157	8.138	8.110	8.144	VV	149	2093	0.13%	0.021%
158	8.155	8.144	8.173	VV	196	2119	0.13%	0.021%
159	8.193	8.173	8.209	VV	197	3261	0.20%	0.033%
160	8.246	8.209	8.280	VV	377	9783	0.60%	0.099%
161	8.286	8.280	8.292	VV	210	1169	0.07%	0.012%
162	8.296	8.292	8.303	VV	173	906	0.06%	0.009%
163	8.321	8.303	8.353	VV	238	4561	0.28%	0.046%
164	8.376	8.353	8.388	VV	246	3163	0.19%	0.032%
165	8.412	8.388	8.424	VV	213	3632	0.22%	0.037%
166	8.428	8.424	8.433	VV	184	967	0.06%	0.010%
167	8.441	8.433	8.449	VV	296	2123	0.13%	0.021%
168	8.473	8.449	8.493	VV	609	11612	0.71%	0.117%
169	8.503	8.493	8.528	VV	614	10427	0.63%	0.105%
170	8.532	8.528	8.538	VV	348	2008	0.12%	0.020%
171	8.543	8.538	8.551	VV	306	2093	0.13%	0.021%
172	8.554	8.551	8.586	VV	299	4352	0.26%	0.044%
173	8.632	8.586	8.637	VV	971	16250	0.99%	0.164%
174	8.647	8.637	8.709	VV	1067	27854	1.69%	0.282%
175	8.716	8.709	8.719	VV	368	1982	0.12%	0.020%
176	8.725	8.719	8.735	VV	360	2838	0.17%	0.029%
177	8.741	8.735	8.750	VV	324	2850	0.17%	0.029%
178	8.753	8.750	8.773	VV	355	3523	0.21%	0.036%
179	8.775	8.773	8.784	VV	239	1252	0.08%	0.013%
180	8.788	8.784	8.810	VV	190	2314	0.14%	0.023%
181	8.834	8.810	8.850	VV	472	7450	0.45%	0.075%
182	8.865	8.850	8.899	VV	532	10045	0.61%	0.102%
183	8.934	8.899	8.971	VV	893	20491	1.25%	0.207%
184	9.018	8.971	9.044	VV	711	21249	1.29%	0.215%
185	9.048	9.044	9.081	VV	444	7178	0.44%	0.073%
186	9.086	9.081	9.096	VV	266	2182	0.13%	0.022%
187	9.100	9.096	9.105	VV	202	1068	0.06%	0.011%
188	9.117	9.105	9.124	VV	270	2344	0.14%	0.024%
189	9.157	9.124	9.183	VV	423	11383	0.69%	0.115%
190	9.188	9.183	9.209	VV	316	4305	0.26%	0.044%
191	9.240	9.209	9.262	VV	636	12208	0.74%	0.124%
192	9.273	9.262	9.307	VV	449	7812	0.48%	0.079%
193	9.311	9.307	9.315	VV	250	974	0.06%	0.010%
194	9.334	9.315	9.363	VV	506	9759	0.59%	0.099%

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195	9.380	9.363	9.410	VV	438	7223	0.44%	0.073%
196	9.421	9.410	9.431	VV	165	1497	0.09%	0.015%
197	9.436	9.431	9.449	PV	68	643	0.04%	0.007%
198	9.452	9.449	9.463	VV	112	557	0.03%	0.006%
199	9.521	9.463	9.548	VV	230	5090	0.31%	0.051%
200	9.557	9.548	9.564	VV	135	854	0.05%	0.009%
201	9.569	9.564	9.585	PV	135	1234	0.08%	0.012%
202	9.611	9.585	9.628	VV	222	3414	0.21%	0.035%
203	9.631	9.628	9.643	VV	199	1152	0.07%	0.012%
204	9.646	9.643	9.656	VV	161	773	0.05%	0.008%
205	9.662	9.656	9.674	VV	162	1183	0.07%	0.012%
206	9.679	9.674	9.686	VV	112	637	0.04%	0.006%
207	9.731	9.686	9.788	VV	716	25869	1.57%	0.262%
208	9.793	9.788	9.817	VV	388	4825	0.29%	0.049%
209	9.822	9.817	9.831	VV	256	1620	0.10%	0.016%
210	9.840	9.831	9.851	VV	206	2271	0.14%	0.023%
211	9.860	9.851	9.895	VV	232	5205	0.32%	0.053%
212	9.897	9.895	9.917	VV	202	1254	0.08%	0.013%
213	9.946	9.917	9.969	PV	1320	15767	0.96%	0.160%
214	10.003	9.969	10.101	PV	10115	348576	21.21%	3.527%
215	10.115	10.101	10.171	VV	2276	67020	4.08%	0.678%
216	10.180	10.171	10.209	VV	1263	24186	1.47%	0.245%
217	10.224	10.209	10.251	VV	1003	21406	1.30%	0.217%
218	10.260	10.251	10.339	VV	688	23505	1.43%	0.238%
219	10.344	10.339	10.366	VV	345	3815	0.23%	0.039%
220	10.371	10.366	10.382	VV	193	1642	0.10%	0.017%
221	10.385	10.382	10.408	VV	178	2076	0.13%	0.021%
222	10.462	10.408	10.482	VV	1259	23563	1.43%	0.238%
223	10.486	10.482	10.498	VV	600	4856	0.30%	0.049%
224	10.503	10.498	10.530	VV	534	6542	0.40%	0.066%
225	10.537	10.530	10.552	VV	328	3373	0.21%	0.034%
226	10.580	10.552	10.612	VV	411	11281	0.69%	0.114%
227	10.633	10.612	10.667	VV	404	7623	0.46%	0.077%
228	10.672	10.667	10.696	VV	239	2207	0.13%	0.022%
229	10.742	10.696	10.755	VV	299	5938	0.36%	0.060%
230	10.760	10.755	10.778	VV	268	2933	0.18%	0.030%
231	10.781	10.778	10.802	VV	289	2432	0.15%	0.025%
232	10.857	10.802	10.902	VV	918	21818	1.33%	0.221%
233	10.927	10.902	10.953	VV	642	10998	0.67%	0.111%
234	10.969	10.953	11.025	VV	378	9869	0.60%	0.100%
235	11.050	11.025	11.062	VV	153	2173	0.13%	0.022%
236	11.078	11.062	11.088	VV	233	2112	0.13%	0.021%
237	11.092	11.088	11.111	VV	203	1425	0.09%	0.014%
238	11.143	11.111	11.151	VV	1309	17283	1.05%	0.175%
239	11.172	11.151	11.219	VV	1390	43011	2.62%	0.435%
240	11.230	11.219	11.276	VV	998	26148	1.59%	0.265%
241	11.286	11.276	11.291	VV	540	4502	0.27%	0.046%
242	11.295	11.291	11.350	VV	542	13188	0.80%	0.133%
243	11.369	11.350	11.391	VV	327	5688	0.35%	0.058%
244	11.396	11.391	11.426	VV	267	3897	0.24%	0.039%
245	11.436	11.426	11.440	VV	170	1171	0.07%	0.012%
246	11.452	11.440	11.461	VV	186	1743	0.11%	0.018%

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247	11.465	11.461	11.470	VV	107	410	0.02%	0.004%
248	11.498	11.470	11.514	PV	359	5538	0.34%	0.056%
249	11.562	11.514	11.598	VV	1065	21713	1.32%	0.220%
250	11.606	11.598	11.611	VV	239	1319	0.08%	0.013%
251	11.615	11.611	11.620	VV	179	748	0.05%	0.008%
252	11.643	11.620	11.686	VV	1354	23130	1.41%	0.234%
253	11.691	11.686	11.697	VV	170	816	0.05%	0.008%
254	11.722	11.697	11.740	VV	1077	13741	0.84%	0.139%
255	11.757	11.740	11.786	VV	567	7637	0.46%	0.077%
256	11.796	11.786	11.805	VV	175	1247	0.08%	0.013%
257	11.811	11.805	11.815	VV	182	846	0.05%	0.009%
258	11.817	11.815	11.836	VV	159	707	0.04%	0.007%
259	11.859	11.836	11.896	PV	634	12355	0.75%	0.125%
260	11.900	11.896	11.904	VV	235	950	0.06%	0.010%
261	11.908	11.904	11.912	VV	254	930	0.06%	0.009%
262	11.949	11.912	11.962	VV	682	13257	0.81%	0.134%
263	11.987	11.962	12.018	VV	1204	28121	1.71%	0.285%
264	12.046	12.018	12.073	VV	3665	53575	3.26%	0.542%
265	12.088	12.073	12.104	VV	747	11429	0.70%	0.116%
266	12.117	12.104	12.157	VV	712	13530	0.82%	0.137%
267	12.166	12.157	12.189	VV	205	1993	0.12%	0.020%
268	12.235	12.189	12.261	PV	783	14145	0.86%	0.143%
269	12.291	12.261	12.307	VV	340	5296	0.32%	0.054%
270	12.330	12.307	12.354	VV	1170	16649	1.01%	0.168%
271	12.361	12.354	12.376	VV	495	5250	0.32%	0.053%
272	12.379	12.376	12.404	VV	308	3538	0.22%	0.036%
273	12.437	12.404	12.466	VV	448	10008	0.61%	0.101%
274	12.495	12.466	12.574	VV	29167	392540	23.88%	3.972%
275	12.583	12.574	12.624	VV	988	23117	1.41%	0.234%
276	12.630	12.624	12.670	VV	683	13666	0.83%	0.138%
277	12.685	12.670	12.694	VV	523	6553	0.40%	0.066%
278	12.699	12.694	12.711	VV	462	4318	0.26%	0.044%
279	12.729	12.711	12.769	VV	523	11169	0.68%	0.113%
280	12.798	12.769	12.804	VV	635	7027	0.43%	0.071%
281	12.830	12.804	12.852	VV	1497	28490	1.73%	0.288%
282	12.873	12.852	12.922	VV	1485	34774	2.12%	0.352%
283	12.949	12.922	13.039	VV	13158	239179	14.55%	2.420%
284	13.052	13.039	13.057	VV	348	3320	0.20%	0.034%
285	13.062	13.057	13.080	VV	290	3209	0.20%	0.032%
286	13.098	13.080	13.103	VV	728	6731	0.41%	0.068%
287	13.107	13.103	13.123	VV	755	8562	0.52%	0.087%
288	13.139	13.123	13.168	VV	850	16068	0.98%	0.163%
289	13.175	13.168	13.187	VV	400	3992	0.24%	0.040%
290	13.201	13.187	13.217	VV	483	6454	0.39%	0.065%
291	13.247	13.217	13.336	VV	12071	258332	15.72%	2.614%
292	13.351	13.336	13.399	VV	1240	29724	1.81%	0.301%
293	13.405	13.399	13.409	VV	341	1995	0.12%	0.020%
294	13.414	13.409	13.419	VV	408	2173	0.13%	0.022%
295	13.429	13.419	13.433	VV	420	3216	0.20%	0.033%
296	13.443	13.433	13.469	VV	560	7770	0.47%	0.079%
297	13.491	13.469	13.507	PV	1013	13755	0.84%	0.139%
298	13.524	13.507	13.559	VV	753	19028	1.16%	0.193%
299	13.566	13.559	13.570	VV	510	3170	0.19%	0.032%

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300	13.582	13.570	13.630	VV	586	12692	0.77%	0.128%
301	13.667	13.630	13.688	VV	532	13078	0.80%	0.132%
302	13.716	13.688	13.787	VV	1317	35744	2.17%	0.362%
303	13.792	13.787	13.799	VV	221	592	0.04%	0.006%
304	13.850	13.799	13.890	PV	2211	59514	3.62%	0.602%
305	13.899	13.890	13.934	VV	829	13993	0.85%	0.142%
306	13.957	13.934	13.977	VV	1558	25335	1.54%	0.256%
307	13.995	13.977	14.007	VV	1715	24778	1.51%	0.251%
308	14.030	14.007	14.055	VV	3817	59025	3.59%	0.597%
309	14.075	14.055	14.094	VV	1476	25045	1.52%	0.253%
310	14.119	14.094	14.145	VV	1897	36705	2.23%	0.371%
311	14.164	14.145	14.207	VV	1140	26512	1.61%	0.268%
312	14.218	14.207	14.226	VV	374	3809	0.23%	0.039%
313	14.232	14.226	14.246	VV	396	2973	0.18%	0.030%
314	14.254	14.246	14.262	VV	209	1265	0.08%	0.013%
315	14.288	14.262	14.294	PV	444	4702	0.29%	0.048%
316	14.299	14.294	14.332	VV	426	7104	0.43%	0.072%
317	14.356	14.332	14.368	VV	427	7395	0.45%	0.075%
318	14.382	14.368	14.408	VV	411	5854	0.36%	0.059%
319	14.445	14.408	14.457	PV	679	13643	0.83%	0.138%
320	14.481	14.457	14.528	VV	2471	58477	3.56%	0.592%
321	14.581	14.528	14.610	VV	1769	50414	3.07%	0.510%
322	14.643	14.610	14.654	VV	1532	26244	1.60%	0.266%
323	14.693	14.654	14.717	VV	1735	54343	3.31%	0.550%
324	14.743	14.717	14.748	VV	1136	18538	1.13%	0.188%
325	14.780	14.748	14.802	VV	1573	39213	2.39%	0.397%
326	14.827	14.802	14.859	VV	2409	54264	3.30%	0.549%
327	14.888	14.859	14.921	VV	1769	44736	2.72%	0.453%
328	14.936	14.921	14.942	VV	1129	11708	0.71%	0.118%
329	14.979	14.942	15.016	VV	122508	1643781	100.00%	16.631%
330	15.030	15.016	15.058	VV	1689	30981	1.88%	0.313%
331	15.062	15.058	15.082	VV	606	6777	0.41%	0.069%
332	15.104	15.082	15.120	VV	1237	19393	1.18%	0.196%
333	15.143	15.120	15.164	VV	9011	136044	8.28%	1.376%
334	15.183	15.164	15.221	VV	8957	172167	10.47%	1.742%
335	15.224	15.221	15.249	VV	1970	21210	1.29%	0.215%
336	15.300	15.249	15.329	VV	2106	58643	3.57%	0.593%
337	15.350	15.329	15.355	VV	1194	15163	0.92%	0.153%
338	15.360	15.355	15.366	VV	1203	6863	0.42%	0.069%
339	15.377	15.366	15.403	VV	1102	14201	0.86%	0.144%
340	15.456	15.403	15.466	PV	823	15345	0.93%	0.155%
341	15.496	15.466	15.531	VV	1459	38017	2.31%	0.385%
342	15.567	15.531	15.674	VV	41567	849680	51.69%	8.597%
343	15.702	15.674	15.744	VV	1996	48932	2.98%	0.495%
344	15.772	15.744	15.791	VV	1538	23472	1.43%	0.237%
345	15.825	15.791	15.882	VV	3260	81190	4.94%	0.821%
346	15.915	15.882	15.937	VV	1140	21507	1.31%	0.218%
347	15.977	15.937	16.026	VV	1888	64463	3.92%	0.652%
348	16.036	16.026	16.062	VV	764	12509	0.76%	0.127%
349	16.096	16.062	16.129	VV	1588	38308	2.33%	0.388%
350	16.162	16.129	16.179	VV	812	12790	0.78%	0.129%
351	16.207	16.179	16.227	PV	1582	25904	1.58%	0.262%

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352	16.274	16.227	16.296	VV	1254	34603	2.11%	0.350%
353	16.321	16.296	16.367	VV	802	19304	1.17%	0.195%
354	16.405	16.367	16.439	PV	1985	48362	2.94%	0.489%
355	16.503	16.439	16.545	VV	3682	108792	6.62%	1.101%
356	16.590	16.545	16.636	VV	5989	167938	10.22%	1.699%
357	16.655	16.636	16.663	VV	1306	20321	1.24%	0.206%
358	16.707	16.663	16.727	VV	12750	234393	14.26%	2.372%
359	16.736	16.727	16.772	VV	6408	110399	6.72%	1.117%
360	16.778	16.772	16.807	VV	3116	45481	2.77%	0.460%
361	16.842	16.807	16.876	VV	4400	109207	6.64%	1.105%
362	16.891	16.876	16.929	VV	2034	38025	2.31%	0.385%
363	16.981	16.929	17.007	VV	3033	79541	4.84%	0.805%
364	17.031	17.007	17.074	VV	8093	137457	8.36%	1.391%
365	17.095	17.074	17.137	VV	8398	183835	11.18%	1.860%
366	17.175	17.137	17.184	VV	4830	105019	6.39%	1.063%
367	17.207	17.184	17.237	VV	9149	165117	10.04%	1.671%
368	17.247	17.237	17.279	VV	2164	31361	1.91%	0.317%
369	17.345	17.279	17.355	VV	3178	82782	5.04%	0.838%
370	17.397	17.355	17.421	VV	4257	95152	5.79%	0.963%
371	17.480	17.421	17.519	VV	5118	214200	13.03%	2.167%
372	17.540	17.519	17.554	VV	6441	98396	5.99%	0.996%
373	17.571	17.554	17.592	VV	5200	103540	6.30%	1.048%
374	17.612	17.592	17.632	VV	6520	118989	7.24%	1.204%
375	17.645	17.632	17.664	VV	4480	62211	3.78%	0.629%
376	17.675	17.664	17.696	VV	3773	55925	3.40%	0.566%
377	17.717	17.696	17.738	VV	5186	88216	5.37%	0.893%
378	17.784	17.738	17.831	VV	4119	148441	9.03%	1.502%
379	17.853	17.831	17.867	PV	1944	24472	1.49%	0.248%
380	17.882	17.867	17.891	VV	1908	22805	1.39%	0.231%
381	17.897	17.891	17.914	VV	1573	11821	0.72%	0.120%
382	17.954	17.914	17.971	PV	2822	42097	2.56%	0.426%
			Sum of corrected areas:			9883573		

FG052225.M Thu Jun 05 06:11:43 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG060425\
Data File : FG015916.D
Signal(s) : FID1A.ch
Acq On : 04 Jun 2025 14:46
Operator : YP\AJ
Sample : Q2150-03
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
TP-39

Integration File: autoint1.e
Quant Time: Jun 05 05:35:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG052225.M
Quant Title :
QLast Update : Thu May 22 06:20:25 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : Rxi-1ms
Signal Info : 20mx0.18mmx0.18um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
9) S TETRACOSANE-d50 (SURR...	14.979	1360691	11.102 ug/ml
Target Compounds			

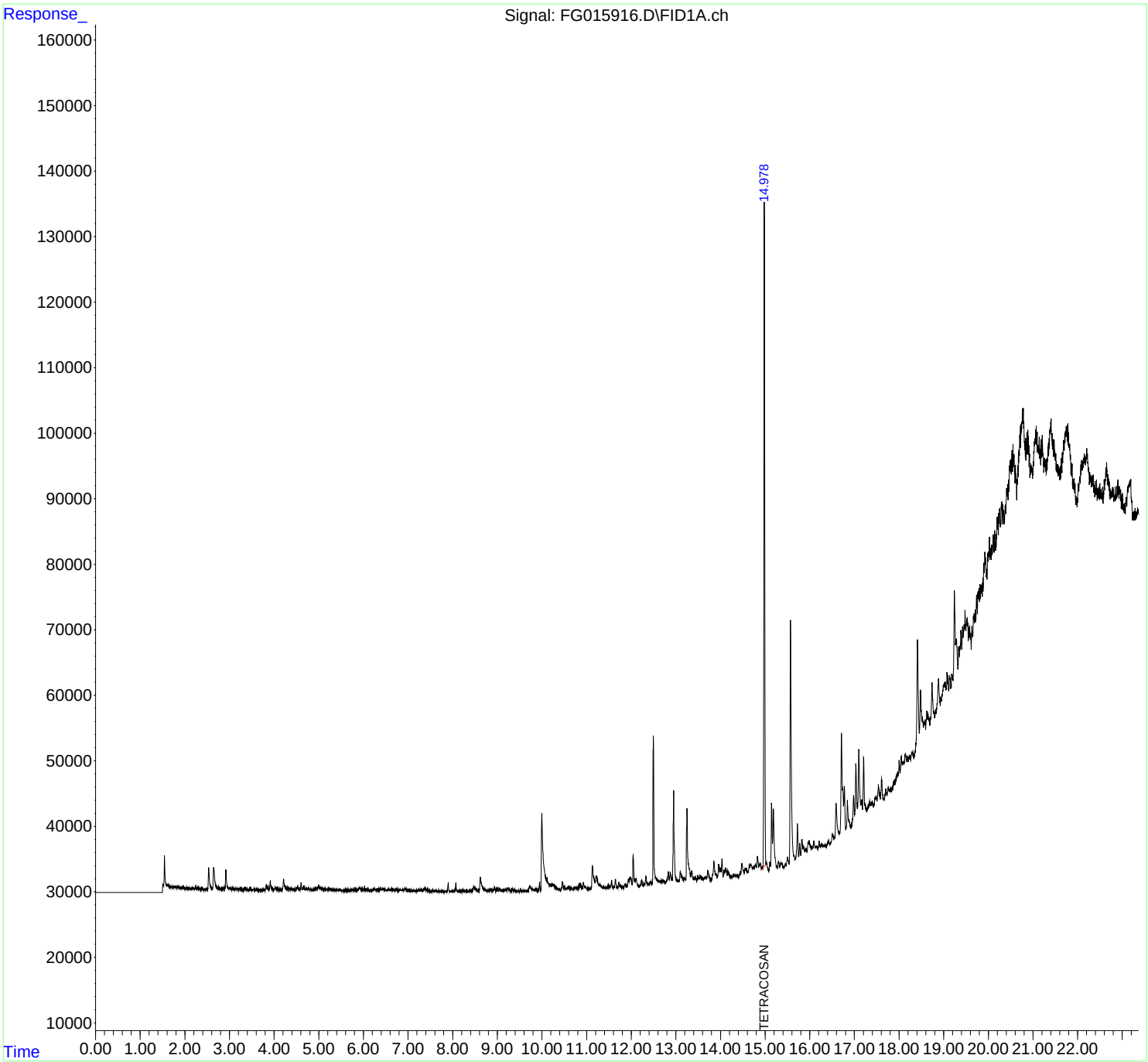
(f)=RT Delta > 1/2 Window (m)=manual int.

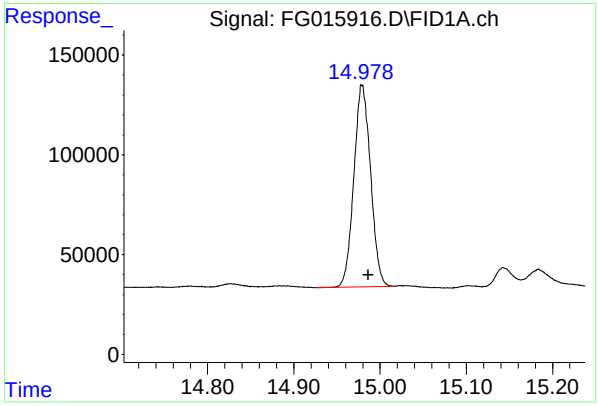
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG060425\
Data File : FG015916.D
Signal(s) : FID1A.ch
Acq On : 04 Jun 2025 14:46
Operator : YP\AJ
Sample : Q2150-03
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
TP-39

Integration File: autoint1.e
Quant Time: Jun 05 05:35:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG052225.M
Quant Title :
QLast Update : Thu May 22 06:20:25 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : Rxi-1ms
Signal Info : 20mx0.18mmx0.18um





#9 TETRACOSANE-d50 (SURROGATE)

R.T.: 14.979 min
Delta R.T.: -0.007 mi
Response: 1360691
Conc: 11.10 ug/m

Instrument :
FID_G
ClientSampleId :
TP-39

11

A B C D E F G H I J

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG060425\
Data File : FG015916.D
Signal(s) : FID1A.ch
Acq On : 04 Jun 2025 14:46
Sample : Q2150-03
Misc :
ALS Vial : 25 Sample Multiplier: 1

Integration File: Sample.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG052225.M
Title :

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.319	4.300	4.333	BV	148	720	0.05%	0.008%
2	4.341	4.333	4.348	PV	189	947	0.07%	0.011%
3	4.369	4.348	4.385	VV	193	2360	0.16%	0.027%
4	4.386	4.385	4.403	VV	235	1137	0.08%	0.013%
5	4.407	4.403	4.420	VV	149	693	0.05%	0.008%
6	4.425	4.420	4.433	VV	158	634	0.04%	0.007%
7	4.444	4.433	4.458	VV	120	1074	0.08%	0.012%
8	4.491	4.458	4.506	PV	311	3703	0.26%	0.042%
9	4.525	4.506	4.568	VV	583	9512	0.66%	0.109%
10	4.574	4.568	4.580	VV	132	627	0.04%	0.007%
11	4.605	4.580	4.632	VV	1166	13806	0.96%	0.158%
12	4.658	4.632	4.668	VV	372	5644	0.39%	0.065%
13	4.670	4.668	4.690	VV	730	2884	0.20%	0.033%
14	4.696	4.690	4.702	VV	169	921	0.06%	0.011%
15	4.723	4.702	4.728	VV	317	3186	0.22%	0.036%
16	4.732	4.728	4.760	VV	350	4786	0.33%	0.055%
17	4.770	4.760	4.777	VV	302	2345	0.16%	0.027%
18	4.781	4.777	4.815	VV	324	3249	0.23%	0.037%
19	4.820	4.815	4.835	VV	185	1406	0.10%	0.016%
20	4.847	4.835	4.861	VV	218	1559	0.11%	0.018%
21	4.922	4.861	4.926	PV	292	6012	0.42%	0.069%
22	4.949	4.926	4.953	VV	341	4325	0.30%	0.049%
23	4.995	4.953	5.040	VV	684	22499	1.57%	0.257%
24	5.047	5.040	5.063	VV	335	4726	0.33%	0.054%
25	5.069	5.063	5.075	VV	331	2082	0.15%	0.024%
26	5.081	5.075	5.132	VV	312	7672	0.54%	0.088%
27	5.151	5.132	5.178	VV	349	6683	0.47%	0.076%
28	5.197	5.178	5.205	VV	323	3576	0.25%	0.041%
29	5.208	5.205	5.234	VV	235	3363	0.23%	0.038%
30	5.244	5.234	5.249	VV	252	1877	0.13%	0.021%
31	5.256	5.249	5.275	VV	228	2943	0.21%	0.034%
32	5.290	5.275	5.297	VV	207	2173	0.15%	0.025%
33	5.301	5.297	5.313	VV	243	1411	0.10%	0.016%
34	5.335	5.313	5.342	VV	218	2850	0.20%	0.033%
35	5.344	5.342	5.348	VV	183	524	0.04%	0.006%
36	5.350	5.348	5.355	VV	158	559	0.04%	0.006%

rteres

37	5.365	5.355	5.378	VV	154	1520	0.11%	0.017%
38	5.383	5.378	5.389	VV	162	607	0.04%	0.007%
39	5.405	5.389	5.428	VV	188	2725	0.19%	0.031%
40	5.434	5.428	5.446	VV	119	1104	0.08%	0.013%
41	5.466	5.446	5.501	VV	215	5098	0.36%	0.058%
42	5.507	5.501	5.530	VV	181	1859	0.13%	0.021%
43	5.535	5.530	5.602	VV	151	3329	0.23%	0.038%
44	5.639	5.602	5.680	VV	286	4761	0.33%	0.054%
45	5.704	5.680	5.744	PV	269	4903	0.34%	0.056%
46	5.748	5.744	5.784	VV	171	3464	0.24%	0.040%
47	5.795	5.784	5.856	VV	358	6990	0.49%	0.080%
48	5.909	5.856	5.959	VV	561	18086	1.26%	0.207%
49	5.970	5.959	6.005	VV	259	6997	0.49%	0.080%
50	6.031	6.005	6.049	VV	722	7183	0.50%	0.082%
51	6.057	6.049	6.085	VV	371	3390	0.24%	0.039%
52	6.101	6.085	6.142	VV	240	5442	0.38%	0.062%
53	6.160	6.142	6.183	VV	216	3194	0.22%	0.037%
54	6.218	6.183	6.225	VV	318	4977	0.35%	0.057%
55	6.246	6.225	6.292	VV	296	10317	0.72%	0.118%
56	6.304	6.292	6.322	VV	456	4443	0.31%	0.051%
57	6.330	6.322	6.404	VV	362	14314	1.00%	0.164%
58	6.407	6.404	6.414	VV	365	1639	0.11%	0.019%
59	6.465	6.414	6.489	VV	354	12548	0.88%	0.143%
60	6.498	6.489	6.517	VV	221	3462	0.24%	0.040%
61	6.526	6.517	6.533	VV	240	2042	0.14%	0.023%
62	6.554	6.533	6.607	VV	329	10846	0.76%	0.124%
63	6.620	6.607	6.647	VV	301	6541	0.46%	0.075%
64	6.652	6.647	6.720	VV	284	8929	0.62%	0.102%
65	6.735	6.720	6.800	VV	464	11390	0.80%	0.130%
66	6.823	6.800	6.867	VV	348	10375	0.72%	0.119%
67	6.914	6.867	6.925	VV	325	9794	0.68%	0.112%
68	6.929	6.925	7.082	VV	334	21801	1.52%	0.249%
69	7.096	7.082	7.110	VV	189	2086	0.15%	0.024%
70	7.122	7.110	7.148	VV	208	3051	0.21%	0.035%
71	7.159	7.148	7.170	VV	149	1541	0.11%	0.018%
72	7.191	7.170	7.215	VV	266	4170	0.29%	0.048%
73	7.243	7.215	7.265	VV	317	6535	0.46%	0.075%
74	7.296	7.265	7.334	VV	330	10306	0.72%	0.118%
75	7.387	7.334	7.439	VV	549	21129	1.48%	0.242%
76	7.447	7.439	7.537	VV	341	10482	0.73%	0.120%
77	7.549	7.537	7.559	VV	165	1691	0.12%	0.019%
78	7.566	7.559	7.599	VV	157	2689	0.19%	0.031%
79	7.622	7.599	7.687	VV	163	5651	0.39%	0.065%
80	7.696	7.687	7.763	VV	191	3702	0.26%	0.042%
81	7.789	7.763	7.831	VV	220	3485	0.24%	0.040%
82	7.900	7.831	7.949	VV	1365	19858	1.39%	0.227%
83	7.954	7.949	7.975	VV	107	1438	0.10%	0.016%
84	7.980	7.975	8.002	VV	139	1379	0.10%	0.016%
85	8.072	8.002	8.130	PV	1380	23461	1.64%	0.268%
86	8.137	8.130	8.173	VV	210	2310	0.16%	0.026%
87	8.186	8.173	8.222	VV	128	2808	0.20%	0.032%
88	8.234	8.222	8.271	VV	261	4530	0.32%	0.052%
89	8.279	8.271	8.305	VV	148	2467	0.17%	0.028%

rteres

90	8.324	8.305	8.347	VV	232	3740	0.26%	0.043%
91	8.473	8.347	8.492	VV	944	23553	1.65%	0.269%
92	8.504	8.492	8.535	VV	510	9883	0.69%	0.113%
93	8.543	8.535	8.585	VV	296	6011	0.42%	0.069%
94	8.621	8.585	8.732	VV	2257	72294	5.05%	0.827%
95	8.739	8.732	8.803	VV	308	8403	0.59%	0.096%
96	8.836	8.803	8.848	VV	377	6405	0.45%	0.073%
97	8.862	8.848	8.897	VV	409	7806	0.55%	0.089%
98	8.937	8.897	8.975	VV	641	16750	1.17%	0.192%
99	9.003	8.975	9.027	VV	522	11980	0.84%	0.137%
100	9.041	9.027	9.087	VV	458	10846	0.76%	0.124%
101	9.099	9.087	9.110	VV	186	2311	0.16%	0.026%
102	9.152	9.110	9.175	VV	338	9138	0.64%	0.104%
103	9.196	9.175	9.212	VV	321	5522	0.39%	0.063%
104	9.233	9.212	9.295	VV	599	18729	1.31%	0.214%
105	9.301	9.295	9.311	VV	216	1532	0.11%	0.018%
106	9.334	9.311	9.356	VV	498	8101	0.57%	0.093%
107	9.383	9.356	9.431	VV	339	9137	0.64%	0.104%
108	9.438	9.431	9.472	VV	145	2530	0.18%	0.029%
109	9.492	9.472	9.504	VV	230	2305	0.16%	0.026%
110	9.521	9.504	9.552	VV	315	4290	0.30%	0.049%
111	9.622	9.552	9.650	VV	221	7292	0.51%	0.083%
112	9.671	9.650	9.682	PV	228	2354	0.16%	0.027%
113	9.726	9.682	9.788	VV	906	29741	2.08%	0.340%
114	9.795	9.788	9.824	VV	361	5760	0.40%	0.066%
115	9.868	9.824	9.919	VV	343	12873	0.90%	0.147%
116	9.947	9.919	9.970	VV	1414	17040	1.19%	0.195%
117	10.000	9.970	10.102	VV	11894	355766	24.86%	4.068%
118	10.115	10.102	10.170	VV	2108	55464	3.88%	0.634%
119	10.188	10.170	10.210	VV	1028	21962	1.53%	0.251%
120	10.228	10.210	10.252	VV	1068	22316	1.56%	0.255%
121	10.265	10.252	10.373	VV	957	34326	2.40%	0.393%
122	10.384	10.373	10.410	VV	202	3628	0.25%	0.041%
123	10.461	10.410	10.486	VV	1285	26014	1.82%	0.297%
124	10.500	10.486	10.524	VV	489	9358	0.65%	0.107%
125	10.536	10.524	10.546	VV	282	3426	0.24%	0.039%
126	10.565	10.546	10.587	VV	448	8125	0.57%	0.093%
127	10.601	10.587	10.617	VV	404	5480	0.38%	0.063%
128	10.634	10.617	10.666	VV	470	8522	0.60%	0.097%
129	10.673	10.666	10.695	VV	237	3018	0.21%	0.035%
130	10.743	10.695	10.799	PV	424	17545	1.23%	0.201%
131	10.857	10.799	10.902	VV	987	27254	1.90%	0.312%
132	10.931	10.902	10.951	VV	1113	19123	1.34%	0.219%
133	10.960	10.951	11.017	VV	504	11889	0.83%	0.136%
134	11.042	11.017	11.067	VV	240	4610	0.32%	0.053%
135	11.082	11.067	11.099	VV	200	2984	0.21%	0.034%
136	11.132	11.099	11.194	VV	3569	98018	6.85%	1.121%
137	11.215	11.194	11.277	VV	1931	65937	4.61%	0.754%
138	11.291	11.277	11.355	VV	706	22709	1.59%	0.260%
139	11.364	11.355	11.385	VV	276	4324	0.30%	0.049%
140	11.400	11.385	11.425	VV	243	4609	0.32%	0.053%
141	11.448	11.425	11.455	VV	210	3008	0.21%	0.034%

rteres

142	11.491	11.455	11.527	VV	574	11622	0.81%	0.133%
143	11.562	11.527	11.593	VV	1265	20180	1.41%	0.231%
144	11.606	11.593	11.620	VV	262	2865	0.20%	0.033%
145	11.643	11.620	11.689	VV	1374	24937	1.74%	0.285%
146	11.721	11.689	11.741	VV	950	13200	0.92%	0.151%
147	11.758	11.741	11.779	VV	551	7607	0.53%	0.087%
148	11.802	11.779	11.835	VV	172	3833	0.27%	0.044%
149	11.872	11.835	11.899	PV	568	11420	0.80%	0.131%
150	11.935	11.899	11.950	VV	1216	21153	1.48%	0.242%
151	11.984	11.950	12.017	VV	1547	45724	3.19%	0.523%
152	12.044	12.017	12.067	VV	4902	72907	5.09%	0.834%
153	12.077	12.067	12.094	VV	1236	17396	1.22%	0.199%
154	12.111	12.094	12.183	VV	1299	28125	1.96%	0.322%
155	12.235	12.183	12.272	VV	1022	19406	1.36%	0.222%
156	12.289	12.272	12.310	VV	446	6991	0.49%	0.080%
157	12.330	12.310	12.397	VV	1503	28701	2.01%	0.328%
158	12.430	12.397	12.462	VV	566	15071	1.05%	0.172%
159	12.495	12.462	12.571	VV	22653	304088	21.25%	3.477%
160	12.581	12.571	12.643	VV	906	28067	1.96%	0.321%
161	12.652	12.643	12.660	VV	552	5472	0.38%	0.063%
162	12.678	12.660	12.710	VV	682	16605	1.16%	0.190%
163	12.724	12.710	12.777	VV	658	17823	1.25%	0.204%
164	12.831	12.777	12.855	VV	1851	44663	3.12%	0.511%
165	12.875	12.855	12.922	VV	1771	42656	2.98%	0.488%
166	12.949	12.922	13.033	VV	14287	247031	17.26%	2.825%
167	13.051	13.033	13.075	VV	456	9361	0.65%	0.107%
168	13.098	13.075	13.122	VV	1751	33599	2.35%	0.384%
169	13.132	13.122	13.178	VV	983	24747	1.73%	0.283%
170	13.199	13.178	13.219	VV	760	14607	1.02%	0.167%
171	13.248	13.219	13.332	VV	11315	244697	17.10%	2.798%
172	13.352	13.332	13.415	VV	1636	44900	3.14%	0.513%
173	13.444	13.415	13.472	VV	717	16070	1.12%	0.184%
174	13.491	13.472	13.515	VV	956	16191	1.13%	0.185%
175	13.548	13.515	13.570	VV	805	20811	1.45%	0.238%
176	13.583	13.570	13.622	VV	608	14195	0.99%	0.162%
177	13.635	13.622	13.647	VV	389	5530	0.39%	0.063%
178	13.667	13.647	13.689	VV	697	12974	0.91%	0.148%
179	13.716	13.689	13.789	VV	1542	40865	2.86%	0.467%
180	13.851	13.789	13.891	PV	2940	73725	5.15%	0.843%
181	13.902	13.891	13.926	VV	924	14665	1.02%	0.168%
182	13.958	13.926	13.979	VV	2374	41777	2.92%	0.478%
183	13.994	13.979	14.010	VV	1711	27627	1.93%	0.316%
184	14.031	14.010	14.059	VV	3111	48655	3.40%	0.556%
185	14.080	14.059	14.101	VV	1367	25034	1.75%	0.286%
186	14.119	14.101	14.149	VV	1562	32859	2.30%	0.376%
187	14.165	14.149	14.260	VV	1165	32618	2.28%	0.373%
188	14.305	14.260	14.315	VV	404	9462	0.66%	0.108%
189	14.325	14.315	14.407	VV	331	12571	0.88%	0.144%
190	14.440	14.407	14.453	PV	617	10199	0.71%	0.117%
191	14.478	14.453	14.531	VV	1940	50253	3.51%	0.575%
192	14.556	14.531	14.571	VV	993	20633	1.44%	0.236%
193	14.580	14.571	14.615	VV	965	17985	1.26%	0.206%
194	14.644	14.615	14.656	VV	1462	25272	1.77%	0.289%

rteres

195	14.677	14.656	14.726	VV	1599	50717	3.54%	0.580%
196	14.742	14.726	14.757	VV	1126	17776	1.24%	0.203%
197	14.779	14.757	14.801	VV	1476	31010	2.17%	0.355%
198	14.827	14.801	14.865	VV	2511	60910	4.26%	0.697%
199	14.885	14.865	14.927	VV	1435	38857	2.71%	0.444%
200	14.979	14.927	15.085	VV	102016	1431319	100.00%	16.367%
201	15.103	15.085	15.118	VV	1156	16062	1.12%	0.184%
202	15.143	15.118	15.164	VV	10020	152218	10.63%	1.741%
203	15.184	15.164	15.271	VV	9265	205697	14.37%	2.352%
204	15.300	15.271	15.325	VV	1148	21471	1.50%	0.246%
205	15.356	15.325	15.364	VV	893	15226	1.06%	0.174%
206	15.373	15.364	15.412	VV	866	13187	0.92%	0.151%
207	15.451	15.412	15.464	PV	381	6638	0.46%	0.076%
208	15.501	15.464	15.533	VV	1208	28936	2.02%	0.331%
209	15.566	15.533	15.672	VV	36740	703486	49.15%	8.045%
210	15.723	15.672	15.749	VV	5564	99263	6.94%	1.135%
211	15.773	15.749	15.795	VV	2513	39882	2.79%	0.456%
212	15.824	15.795	15.851	VV	2917	61764	4.32%	0.706%
213	15.860	15.851	15.892	VV	1768	32742	2.29%	0.374%
214	15.910	15.892	15.937	VV	1205	27037	1.89%	0.309%
215	15.982	15.937	16.061	VV	2202	101145	7.07%	1.157%
216	16.091	16.061	16.136	VV	1639	47910	3.35%	0.548%
217	16.156	16.136	16.183	VV	762	17355	1.21%	0.198%
218	16.208	16.183	16.240	VV	1372	24979	1.75%	0.286%
219	16.270	16.240	16.308	VV	635	18504	1.29%	0.212%
220	16.321	16.308	16.335	VV	321	4553	0.32%	0.052%
221	16.340	16.335	16.358	VV	236	1910	0.13%	0.022%
222	16.412	16.358	16.445	PV	573	13217	0.92%	0.151%
223	16.512	16.445	16.547	PV	1191	32177	2.25%	0.368%
224	16.588	16.547	16.670	VV	5427	142851	9.98%	1.634%
225	16.709	16.670	16.757	VV	15597	361623	25.26%	4.135%
226	16.774	16.757	16.811	VV	6975	112135	7.83%	1.282%
227	16.842	16.811	16.925	VV	4179	99230	6.93%	1.135%
228	16.980	16.925	17.004	PV	4479	87144	6.09%	0.997%
229	17.031	17.004	17.071	VV	8618	180054	12.58%	2.059%
230	17.097	17.071	17.145	VV	10891	239397	16.73%	2.738%
231	17.158	17.145	17.177	VV	2655	44831	3.13%	0.513%
232	17.206	17.177	17.271	VV	9002	177398	12.39%	2.029%
233	17.282	17.271	17.287	VV	654	6024	0.42%	0.069%
234	17.341	17.287	17.359	VV	1465	43249	3.02%	0.495%
235	17.393	17.359	17.430	VV	1234	38003	2.66%	0.435%
236	17.485	17.430	17.506	VV	1634	49825	3.48%	0.570%
237	17.537	17.506	17.578	VV	2745	72845	5.09%	0.833%
238	17.609	17.578	17.668	VV	3224	68283	4.77%	0.781%
239	17.702	17.668	17.725	PV	1343	22966	1.60%	0.263%
240	17.758	17.725	17.777	VV	1199	20885	1.46%	0.239%
241	17.810	17.777	17.821	VV	409	8893	0.62%	0.102%
242	17.898	17.821	17.910	PV	372	11695	0.82%	0.134%
243	17.926	17.910	17.933	PV	333	3138	0.22%	0.036%

Sum of corrected areas: 8744889

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG060425\
Data File : FG015917.D
Signal(s) : FID1A.ch
Acq On : 04 Jun 2025 15:15
Operator : YP\AJ
Sample : Q2150-04
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
TP-48

Integration File: autoint1.e
Quant Time: Jun 05 05:36:09 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG052225.M
Quant Title :
QLast Update : Thu May 22 06:20:25 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : Rxi-1ms
Signal Info : 20mx0.18mmx0.18um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
9) S TETRACOSANE-d50 (SURR...	14.980	1634345	13.335 ug/ml
Target Compounds			

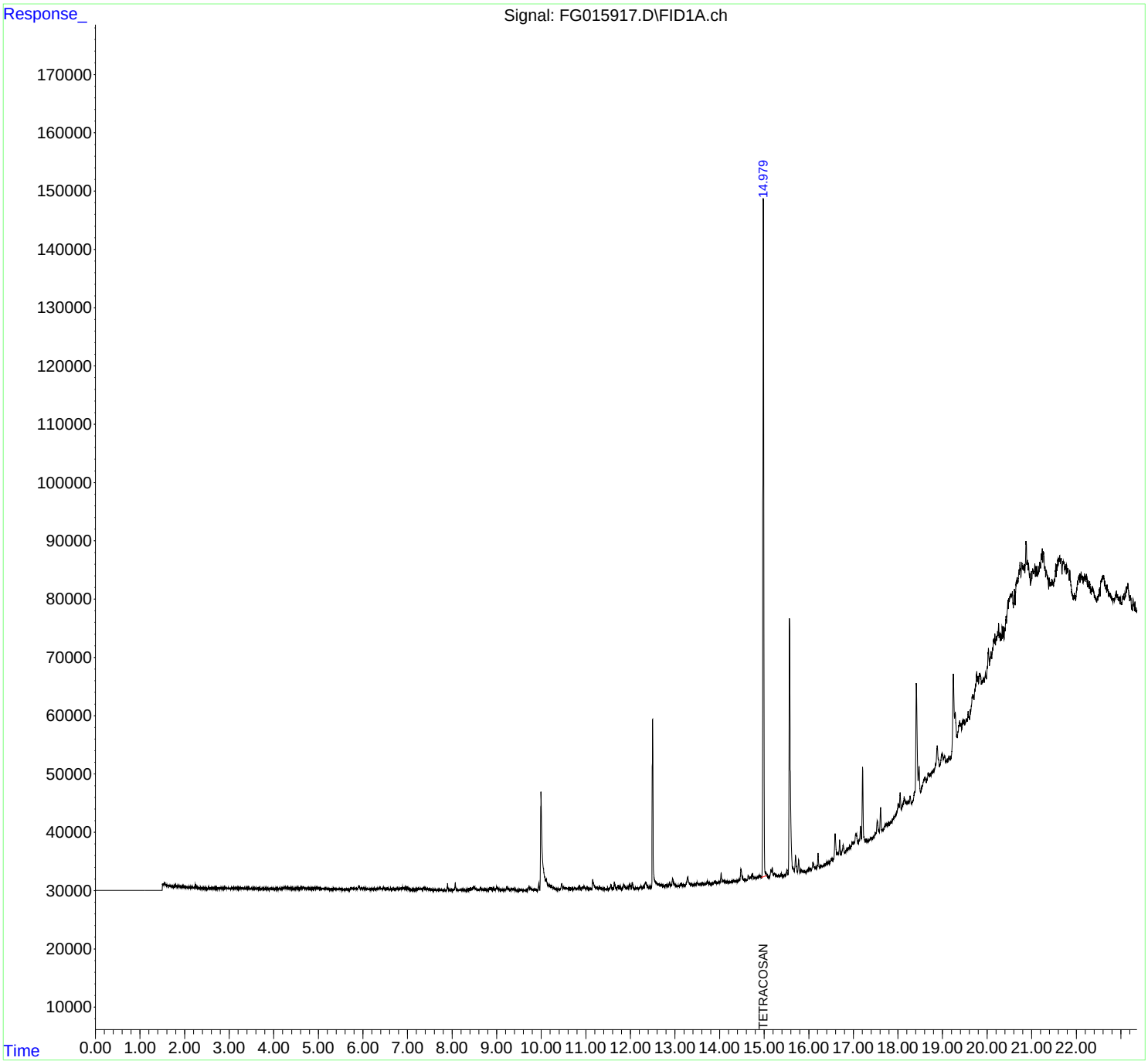
(f)=RT Delta > 1/2 Window (m)=manual int.

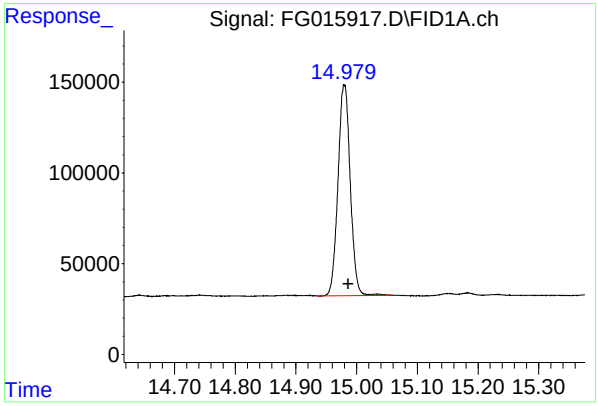
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG060425\
Data File : FG015917.D
Signal(s) : FID1A.ch
Acq On : 04 Jun 2025 15:15
Operator : YP\AJ
Sample : Q2150-04
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
TP-48

Integration File: autoint1.e
Quant Time: Jun 05 05:36:09 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG052225.M
Quant Title :
QLast Update : Thu May 22 06:20:25 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : Rxi-1ms
Signal Info : 20mx0.18mmx0.18um





#9 TETRACOSANE-d50 (SURROGATE)

R.T.: 14.980 min
Delta R.T.: -0.006 mi
Response: 1634345
Conc: 13.33 ug/m

Instrument :
FID_G
ClientSampleId :
TP-48

11

A B C D E F G H I J

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG060425\
Data File : FG015917.D
Signal(s) : FID1A.ch
Acq On : 04 Jun 2025 15:15
Sample : Q2150-04
Misc :
ALS Vial : 26 Sample Multiplier: 1

Integration File: Sample.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG052225.M
Title :

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.309	4.300	4.328	BV	129	844	0.05%	0.014%
2	4.348	4.328	4.352	PV	126	1264	0.08%	0.020%
3	4.358	4.352	4.368	VV	137	813	0.05%	0.013%
4	4.374	4.368	4.383	VV	135	889	0.05%	0.014%
5	4.386	4.383	4.389	VV	134	371	0.02%	0.006%
6	4.394	4.389	4.404	VV	201	1071	0.07%	0.017%
7	4.407	4.404	4.410	VV	160	354	0.02%	0.006%
8	4.414	4.410	4.438	VV	118	1483	0.09%	0.024%
9	4.440	4.438	4.449	VV	143	471	0.03%	0.008%
10	4.461	4.449	4.472	PV	152	1235	0.08%	0.020%
11	4.487	4.472	4.514	VV	257	3808	0.23%	0.061%
12	4.519	4.514	4.537	VV	234	2281	0.14%	0.037%
13	4.543	4.537	4.572	VV	218	2725	0.17%	0.044%
14	4.576	4.572	4.587	VV	145	604	0.04%	0.010%
15	4.608	4.587	4.631	VV	356	5500	0.34%	0.088%
16	4.660	4.631	4.697	VV	360	8500	0.52%	0.137%
17	4.701	4.697	4.708	VV	201	933	0.06%	0.015%
18	4.726	4.708	4.736	VV	175	2113	0.13%	0.034%
19	4.739	4.736	4.746	VV	188	896	0.05%	0.014%
20	4.753	4.746	4.774	VV	195	2619	0.16%	0.042%
21	4.778	4.774	4.789	VV	200	1186	0.07%	0.019%
22	4.804	4.789	4.828	VV	183	2991	0.18%	0.048%
23	4.844	4.828	4.872	VV	198	3404	0.21%	0.055%
24	4.881	4.872	4.891	VV	189	1779	0.11%	0.029%
25	4.895	4.891	4.904	VV	234	1367	0.08%	0.022%
26	4.909	4.904	4.924	VV	202	2101	0.13%	0.034%
27	4.926	4.924	4.937	VV	254	1583	0.10%	0.025%
28	4.947	4.937	4.963	VV	306	4177	0.25%	0.067%
29	4.967	4.963	4.983	VV	354	3147	0.19%	0.051%
30	4.986	4.983	4.995	VV	344	1917	0.12%	0.031%
31	5.002	4.995	5.028	VV	260	3967	0.24%	0.064%
32	5.040	5.028	5.051	VV	256	3049	0.19%	0.049%
33	5.055	5.051	5.063	VV	314	1663	0.10%	0.027%
34	5.071	5.063	5.084	VV	227	2517	0.15%	0.040%
35	5.094	5.084	5.111	VV	248	2634	0.16%	0.042%
36	5.116	5.111	5.132	VV	186	1745	0.11%	0.028%

rteres

37	5.152	5.132	5.182	VV	363	6846	0.42%	0.110%
38	5.186	5.182	5.190	VV	189	801	0.05%	0.013%
39	5.193	5.190	5.214	VV	219	2461	0.15%	0.040%
40	5.227	5.214	5.235	VV	204	1812	0.11%	0.029%
41	5.240	5.235	5.256	VV	107	1146	0.07%	0.018%
42	5.259	5.256	5.268	VV	115	594	0.04%	0.010%
43	5.279	5.268	5.287	VV	142	1251	0.08%	0.020%
44	5.299	5.287	5.304	VV	175	1374	0.08%	0.022%
45	5.310	5.304	5.319	VV	199	1206	0.07%	0.019%
46	5.331	5.319	5.336	VV	211	1438	0.09%	0.023%
47	5.341	5.336	5.361	VV	152	2056	0.13%	0.033%
48	5.380	5.361	5.387	VV	177	1948	0.12%	0.031%
49	5.394	5.387	5.400	VV	204	991	0.06%	0.016%
50	5.404	5.400	5.423	VV	145	1704	0.10%	0.027%
51	5.429	5.423	5.441	VV	197	1486	0.09%	0.024%
52	5.471	5.441	5.485	VV	213	4593	0.28%	0.074%
53	5.487	5.485	5.519	VV	212	2583	0.16%	0.042%
54	5.525	5.519	5.529	VV	114	546	0.03%	0.009%
55	5.533	5.529	5.542	VV	150	744	0.05%	0.012%
56	5.546	5.542	5.555	VV	115	800	0.05%	0.013%
57	5.567	5.555	5.581	VV	188	1838	0.11%	0.030%
58	5.584	5.581	5.601	VV	159	1296	0.08%	0.021%
59	5.606	5.601	5.614	VV	133	760	0.05%	0.012%
60	5.623	5.614	5.639	VV	177	2056	0.13%	0.033%
61	5.644	5.639	5.653	VV	167	1150	0.07%	0.018%
62	5.662	5.653	5.668	VV	172	1048	0.06%	0.017%
63	5.673	5.668	5.678	VV	145	529	0.03%	0.008%
64	5.691	5.678	5.696	VV	171	957	0.06%	0.015%
65	5.726	5.696	5.742	PV	339	5539	0.34%	0.089%
66	5.754	5.742	5.767	VV	300	3397	0.21%	0.055%
67	5.778	5.767	5.785	VV	284	2473	0.15%	0.040%
68	5.794	5.785	5.798	VV	292	1955	0.12%	0.031%
69	5.803	5.798	5.808	VV	240	1412	0.09%	0.023%
70	5.814	5.808	5.819	VV	286	1523	0.09%	0.024%
71	5.824	5.819	5.833	VV	315	2254	0.14%	0.036%
72	5.838	5.833	5.852	VV	290	3024	0.18%	0.049%
73	5.856	5.852	5.879	VV	327	4355	0.27%	0.070%
74	5.907	5.879	5.948	VV	788	18728	1.14%	0.301%
75	5.963	5.948	5.968	VV	416	3850	0.23%	0.062%
76	5.972	5.968	5.984	VV	372	2972	0.18%	0.048%
77	5.991	5.984	5.996	VV	312	2072	0.13%	0.033%
78	6.013	5.996	6.067	VV	405	12150	0.74%	0.195%
79	6.073	6.067	6.081	VV	259	1796	0.11%	0.029%
80	6.085	6.081	6.092	VV	268	1554	0.09%	0.025%
81	6.106	6.092	6.132	VV	285	4512	0.28%	0.073%
82	6.136	6.132	6.144	VV	198	1070	0.07%	0.017%
83	6.150	6.144	6.161	VV	170	1539	0.09%	0.025%
84	6.177	6.161	6.221	VV	427	5930	0.36%	0.095%
85	6.248	6.221	6.255	VV	249	3821	0.23%	0.061%
86	6.263	6.255	6.277	VV	237	2479	0.15%	0.040%
87	6.282	6.277	6.292	VV	211	1525	0.09%	0.025%
88	6.296	6.292	6.301	VV	213	881	0.05%	0.014%
89	6.310	6.301	6.321	VV	256	2228	0.14%	0.036%

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90	6.329	6.321	6.336	VV	278	1918	0.12%	0.031%
91	6.343	6.336	6.349	VV	282	1815	0.11%	0.029%
92	6.354	6.349	6.372	VV	328	4146	0.25%	0.067%
93	6.382	6.372	6.396	VV	399	4820	0.29%	0.077%
94	6.401	6.396	6.413	VV	277	2608	0.16%	0.042%
95	6.417	6.413	6.422	VV	292	1341	0.08%	0.022%
96	6.430	6.422	6.447	VV	338	4037	0.25%	0.065%
97	6.459	6.447	6.481	VV	396	6067	0.37%	0.098%
98	6.485	6.481	6.498	VV	296	2533	0.15%	0.041%
99	6.509	6.498	6.514	VV	269	2093	0.13%	0.034%
100	6.553	6.514	6.581	VV	451	11350	0.69%	0.182%
101	6.585	6.581	6.594	VV	222	1416	0.09%	0.023%
102	6.598	6.594	6.606	VV	194	1259	0.08%	0.020%
103	6.622	6.606	6.640	VV	304	4652	0.28%	0.075%
104	6.653	6.640	6.685	VV	288	5716	0.35%	0.092%
105	6.696	6.685	6.711	VV	246	2717	0.17%	0.044%
106	6.731	6.711	6.747	VV	346	5741	0.35%	0.092%
107	6.756	6.747	6.761	VV	325	1954	0.12%	0.031%
108	6.775	6.761	6.801	VV	314	5663	0.35%	0.091%
109	6.823	6.801	6.833	VV	350	5028	0.31%	0.081%
110	6.857	6.833	6.870	VV	510	6382	0.39%	0.103%
111	6.886	6.870	6.937	VV	544	14017	0.85%	0.225%
112	6.949	6.937	6.982	VV	463	9498	0.58%	0.153%
113	6.999	6.982	7.015	VV	482	5068	0.31%	0.081%
114	7.020	7.015	7.033	VV	323	2329	0.14%	0.037%
115	7.041	7.033	7.049	VV	230	1901	0.12%	0.031%
116	7.053	7.049	7.058	VV	252	998	0.06%	0.016%
117	7.070	7.058	7.098	VV	205	3709	0.23%	0.060%
118	7.106	7.098	7.122	VV	244	2176	0.13%	0.035%
119	7.127	7.122	7.131	VV	173	658	0.04%	0.011%
120	7.138	7.131	7.146	VV	250	1410	0.09%	0.023%
121	7.151	7.146	7.179	VV	231	2826	0.17%	0.045%
122	7.195	7.179	7.209	VV	296	2964	0.18%	0.048%
123	7.247	7.209	7.253	VV	327	6112	0.37%	0.098%
124	7.257	7.253	7.264	VV	290	1618	0.10%	0.026%
125	7.276	7.264	7.284	VV	281	3149	0.19%	0.051%
126	7.291	7.284	7.302	VV	348	3236	0.20%	0.052%
127	7.310	7.302	7.330	VV	289	3934	0.24%	0.063%
128	7.353	7.330	7.362	VV	395	4923	0.30%	0.079%
129	7.377	7.362	7.397	VV	417	7474	0.46%	0.120%
130	7.401	7.397	7.449	VV	335	7564	0.46%	0.122%
131	7.455	7.449	7.468	VV	310	2608	0.16%	0.042%
132	7.473	7.468	7.497	VV	211	2619	0.16%	0.042%
133	7.517	7.497	7.535	VV	206	3286	0.20%	0.053%
134	7.540	7.535	7.547	VV	153	829	0.05%	0.013%
135	7.556	7.547	7.567	VV	156	1438	0.09%	0.023%
136	7.570	7.567	7.587	VV	157	1138	0.07%	0.018%
137	7.619	7.587	7.655	VV	187	4837	0.30%	0.078%
138	7.663	7.655	7.679	VV	118	1110	0.07%	0.018%
139	7.698	7.679	7.722	VV	181	2734	0.17%	0.044%
140	7.726	7.722	7.745	VV	115	1079	0.07%	0.017%
141	7.749	7.745	7.759	VV	86	531	0.03%	0.009%

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142	7.761	7.759	7.767	VV	111	391	0.02%	0.006%
143	7.777	7.767	7.782	VV	129	800	0.05%	0.013%
144	7.789	7.782	7.794	VV	75	539	0.03%	0.009%
145	7.805	7.794	7.814	VV	115	673	0.04%	0.011%
146	7.818	7.814	7.829	VV	113	404	0.02%	0.006%
147	7.832	7.829	7.837	VV	86	357	0.02%	0.006%
148	7.843	7.837	7.861	VV	117	815	0.05%	0.013%
149	7.900	7.861	7.934	PV	1276	15263	0.93%	0.245%
150	7.938	7.934	8.006	VV	128	2766	0.17%	0.044%
151	8.010	8.006	8.016	VV	56	196	0.01%	0.003%
152	8.050	8.016	8.055	VV	302	3481	0.21%	0.056%
153	8.072	8.055	8.127	VV	1367	18131	1.11%	0.291%
154	8.135	8.127	8.141	VV	166	1056	0.06%	0.017%
155	8.147	8.141	8.160	VV	171	1414	0.09%	0.023%
156	8.165	8.160	8.183	VV	140	1722	0.11%	0.028%
157	8.189	8.183	8.224	VV	150	2478	0.15%	0.040%
158	8.232	8.224	8.262	VV	201	3361	0.20%	0.054%
159	8.264	8.262	8.267	VV	174	382	0.02%	0.006%
160	8.270	8.267	8.278	VV	177	727	0.04%	0.012%
161	8.283	8.278	8.305	VV	157	1753	0.11%	0.028%
162	8.317	8.305	8.322	VV	193	1269	0.08%	0.020%
163	8.338	8.322	8.349	VV	253	2126	0.13%	0.034%
164	8.352	8.349	8.364	VV	113	519	0.03%	0.008%
165	8.408	8.364	8.424	VV	417	5736	0.35%	0.092%
166	8.431	8.424	8.442	VV	278	2202	0.13%	0.035%
167	8.472	8.442	8.487	VV	621	10270	0.63%	0.165%
168	8.503	8.487	8.572	VV	614	15440	0.94%	0.248%
169	8.645	8.572	8.686	VV	346	15650	0.95%	0.252%
170	8.695	8.686	8.711	VV	189	2311	0.14%	0.037%
171	8.742	8.711	8.814	VV	266	7690	0.47%	0.124%
172	8.834	8.814	8.850	VV	433	5954	0.36%	0.096%
173	8.860	8.850	8.885	VV	344	5429	0.33%	0.087%
174	8.887	8.885	8.910	VV	433	2414	0.15%	0.039%
175	8.936	8.910	8.969	VV	603	10967	0.67%	0.176%
176	8.995	8.969	9.031	VV	626	14036	0.86%	0.226%
177	9.044	9.031	9.117	VV	364	10290	0.63%	0.165%
178	9.122	9.117	9.157	VV	212	3374	0.21%	0.054%
179	9.163	9.157	9.187	VV	171	2229	0.14%	0.036%
180	9.233	9.187	9.315	VV	734	21932	1.34%	0.353%
181	9.334	9.315	9.356	VV	341	5848	0.36%	0.094%
182	9.383	9.356	9.411	VV	299	7269	0.44%	0.117%
183	9.422	9.411	9.451	VV	145	2063	0.13%	0.033%
184	9.475	9.451	9.484	VV	114	1740	0.11%	0.028%
185	9.524	9.484	9.562	VV	219	4139	0.25%	0.067%
186	9.575	9.562	9.590	VV	132	1351	0.08%	0.022%
187	9.622	9.590	9.654	PV	120	2892	0.18%	0.046%
188	9.660	9.654	9.685	VV	70	1281	0.08%	0.021%
189	9.723	9.685	9.800	VV	673	23120	1.41%	0.372%
190	9.804	9.800	9.832	VV	296	3417	0.21%	0.055%
191	9.848	9.832	9.882	VV	201	4281	0.26%	0.069%
192	9.892	9.882	9.920	VV	204	2021	0.12%	0.032%
193	9.947	9.920	9.967	VV	1282	14622	0.89%	0.235%
194	9.995	9.967	10.102	VV	16764	454913	27.75%	7.313%

rteres

195	10.114	10.102	10.168	VV	1948	51495	3.14%	0.828%
196	10.185	10.168	10.210	VV	959	19646	1.20%	0.316%
197	10.228	10.210	10.329	VV	833	32349	1.97%	0.520%
198	10.337	10.329	10.367	VV	274	3827	0.23%	0.062%
199	10.388	10.367	10.410	VV	184	3202	0.20%	0.051%
200	10.461	10.410	10.484	VV	1163	23171	1.41%	0.372%
201	10.495	10.484	10.524	VV	447	8749	0.53%	0.141%
202	10.536	10.524	10.546	VV	390	4424	0.27%	0.071%
203	10.564	10.546	10.613	VV	335	10937	0.67%	0.176%
204	10.631	10.613	10.657	VV	374	5586	0.34%	0.090%
205	10.685	10.657	10.716	VV	328	5918	0.36%	0.095%
206	10.742	10.716	10.799	VV	430	10943	0.67%	0.176%
207	10.855	10.799	10.890	VV	781	19179	1.17%	0.308%
208	10.927	10.890	10.942	VV	503	11123	0.68%	0.179%
209	10.959	10.942	10.998	VV	568	13024	0.79%	0.209%
210	11.026	10.998	11.064	VV	293	9244	0.56%	0.149%
211	11.090	11.064	11.120	VV	247	5569	0.34%	0.090%
212	11.155	11.120	11.215	VV	1750	44226	2.70%	0.711%
213	11.231	11.215	11.265	VV	454	10743	0.66%	0.173%
214	11.286	11.265	11.355	VV	353	12964	0.79%	0.208%
215	11.368	11.355	11.408	VV	266	5003	0.31%	0.080%
216	11.415	11.408	11.423	VV	112	827	0.05%	0.013%
217	11.429	11.423	11.436	VV	117	629	0.04%	0.010%
218	11.443	11.436	11.475	VV	153	2051	0.13%	0.033%
219	11.495	11.475	11.520	PV	271	3554	0.22%	0.057%
220	11.562	11.520	11.600	VV	807	16044	0.98%	0.258%
221	11.608	11.600	11.620	VV	291	1939	0.12%	0.031%
222	11.641	11.620	11.702	VV	1221	23493	1.43%	0.378%
223	11.721	11.702	11.740	VV	686	9053	0.55%	0.146%
224	11.755	11.740	11.785	VV	536	7152	0.44%	0.115%
225	11.804	11.785	11.820	VV	148	1926	0.12%	0.031%
226	11.848	11.820	11.907	VV	733	20773	1.27%	0.334%
227	11.914	11.907	11.929	VV	289	2281	0.14%	0.037%
228	11.989	11.929	12.026	VV	836	24834	1.51%	0.399%
229	12.045	12.026	12.106	VV	1092	16778	1.02%	0.270%
230	12.118	12.106	12.145	PV	310	2814	0.17%	0.045%
231	12.235	12.145	12.264	PV	555	12008	0.73%	0.193%
232	12.292	12.264	12.308	VV	459	5779	0.35%	0.093%
233	12.345	12.308	12.425	VV	1069	34356	2.10%	0.552%
234	12.443	12.425	12.470	VV	307	4788	0.29%	0.077%
235	12.497	12.470	12.548	VV	28756	366233	22.34%	5.888%
236	12.557	12.548	12.577	VV	1219	18113	1.10%	0.291%
237	12.585	12.577	12.628	VV	880	20884	1.27%	0.336%
238	12.636	12.628	12.672	VV	640	13274	0.81%	0.213%
239	12.696	12.672	12.757	VV	477	17113	1.04%	0.275%
240	12.797	12.757	12.835	VV	489	13862	0.85%	0.223%
241	12.843	12.835	12.855	VV	278	3062	0.19%	0.049%
242	12.877	12.855	12.912	VV	773	14825	0.90%	0.238%
243	12.945	12.912	13.052	VV	1435	41080	2.51%	0.660%
244	13.054	13.052	13.084	VV	138	1273	0.08%	0.020%
245	13.142	13.084	13.205	PV	470	12347	0.75%	0.198%
246	13.286	13.205	13.351	VV	1496	47142	2.88%	0.758%

rteres

247	13.366	13.351	13.412	VV	302	6865	0.42%	0.110%
248	13.450	13.412	13.462	VV	260	5096	0.31%	0.082%
249	13.489	13.462	13.540	VV	516	11550	0.70%	0.186%
250	13.621	13.540	13.645	VV	321	11496	0.70%	0.185%
251	13.666	13.645	13.687	VV	223	3530	0.22%	0.057%
252	13.723	13.687	13.790	VV	501	15629	0.95%	0.251%
253	13.807	13.790	13.820	VV	164	1222	0.07%	0.020%
254	13.899	13.820	13.929	PV	531	14451	0.88%	0.232%
255	13.937	13.929	13.955	VV	253	2792	0.17%	0.045%
256	14.033	13.955	14.056	VV	1827	32748	2.00%	0.526%
257	14.076	14.056	14.119	VV	574	13050	0.80%	0.210%
258	14.129	14.119	14.162	VV	411	5805	0.35%	0.093%
259	14.195	14.162	14.217	VV	213	5391	0.33%	0.087%
260	14.229	14.217	14.257	VV	76	1414	0.09%	0.023%
261	14.309	14.257	14.326	PV	318	6659	0.41%	0.107%
262	14.336	14.326	14.374	VV	199	4496	0.27%	0.072%
263	14.377	14.374	14.410	VV	182	1680	0.10%	0.027%
264	14.441	14.410	14.454	VV	375	5537	0.34%	0.089%
265	14.480	14.454	14.544	VV	2129	50382	3.07%	0.810%
266	14.552	14.544	14.565	VV	245	2629	0.16%	0.042%
267	14.588	14.565	14.619	VV	251	5388	0.33%	0.087%
268	14.642	14.619	14.665	VV	904	13008	0.79%	0.209%
269	14.685	14.665	14.713	VV	572	12937	0.79%	0.208%
270	14.742	14.713	14.784	VV	920	21860	1.33%	0.351%
271	14.801	14.784	14.825	VV	395	7128	0.43%	0.115%
272	14.853	14.825	14.860	VV	367	5738	0.35%	0.092%
273	14.885	14.860	14.914	VV	628	15232	0.93%	0.245%
274	14.920	14.914	14.940	VV	429	5501	0.34%	0.088%
275	14.980	14.940	15.020	VV	116266	1639531	100.00%	26.357%
276	15.034	15.020	15.112	VV	1096	29167	1.78%	0.469%
277	15.151	15.112	15.165	VV	1281	22757	1.39%	0.366%
278	15.183	15.165	15.210	VV	1647	27368	1.67%	0.440%
279	15.232	15.210	15.307	VV	715	20009	1.22%	0.322%
280	15.329	15.307	15.355	VV	223	3572	0.22%	0.057%
281	15.379	15.355	15.414	PV	465	7507	0.46%	0.121%
282	15.438	15.414	15.480	VV	98	1987	0.12%	0.032%
283	15.511	15.480	15.535	PV	997	14088	0.86%	0.226%
284	15.566	15.535	15.670	VV	43651	839409	51.20%	13.494%
285	15.703	15.670	15.742	VV	3098	63227	3.86%	1.016%
286	15.772	15.742	15.810	VV	2335	37612	2.29%	0.605%
287	15.836	15.810	15.867	VV	516	10715	0.65%	0.172%
288	15.885	15.867	15.915	VV	242	3334	0.20%	0.054%
289	15.969	15.915	15.977	PV	303	3014	0.18%	0.048%
290	16.008	15.977	16.065	VV	395	10356	0.63%	0.166%
291	16.095	16.065	16.145	VV	1214	27216	1.66%	0.438%
292	16.207	16.145	16.245	VV	2511	34818	2.12%	0.560%
293	16.274	16.245	16.292	VV	241	4125	0.25%	0.066%
294	16.345	16.292	16.364	PV	227	4538	0.28%	0.073%
295	16.404	16.364	16.464	VV	394	9605	0.59%	0.154%
296	16.501	16.464	16.534	PV	677	13676	0.83%	0.220%
297	16.590	16.534	16.637	VV	4510	103747	6.33%	1.668%
298	16.651	16.637	16.669	VV	1052	16923	1.03%	0.272%
299	16.691	16.669	16.717	VV	2994	44715	2.73%	0.719%

rteres

300	16.772	16.717	16.804	VV	1902	48873	2.98%	0.786%
301	16.890	16.804	16.904	VV	862	36146	2.20%	0.581%
302	16.920	16.904	16.939	VV	999	16660	1.02%	0.268%
303	16.988	16.939	17.024	VV	1304	56456	3.44%	0.908%
304	17.051	17.024	17.110	VV	2506	87794	5.35%	1.411%
305	17.160	17.110	17.180	VV	3325	69501	4.24%	1.117%
306	17.207	17.180	17.279	VV	13237	212863	12.98%	3.422%
307	17.287	17.279	17.309	VV	609	4163	0.25%	0.067%
308	17.393	17.309	17.424	VV	420	11371	0.69%	0.183%
309	17.535	17.424	17.582	PV	2508	71870	4.38%	1.155%
310	17.609	17.582	17.652	VV	4221	66103	4.03%	1.063%
311	17.745	17.652	17.759	VV	633	25317	1.54%	0.407%
312	17.775	17.759	17.810	VV	543	10648	0.65%	0.171%
313	17.841	17.810	17.849	PV	301	4319	0.26%	0.069%
314	17.952	17.849	17.961	PV	251	10889	0.66%	0.175%
			Sum of corrected areas:			6220393		

FG052225.M Thu Jun 05 06:12:56 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG060425\
Data File : FG015918.D
Signal(s) : FID1A.ch
Acq On : 04 Jun 2025 15:45
Operator : YP\AJ
Sample : Q2150-05
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
TP-47

Integration File: autoint1.e
Quant Time: Jun 05 05:36:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG052225.M
Quant Title :
QLast Update : Thu May 22 06:20:25 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : Rxi-1ms
Signal Info : 20mx0.18mmx0.18um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
9) S TETRACOSANE-d50 (SURR...	14.980	1262451	10.301 ug/ml
Target Compounds			

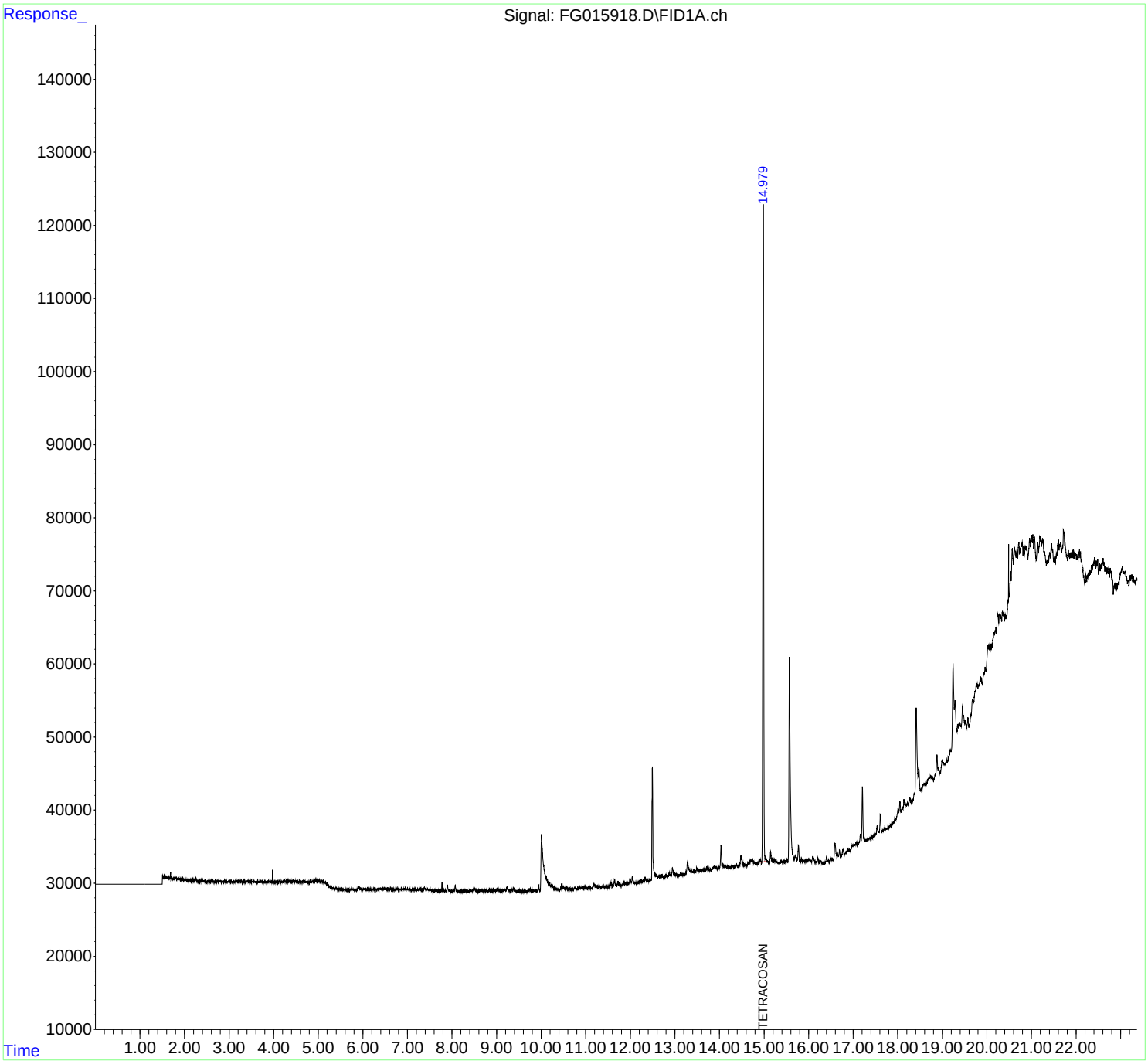
(f)=RT Delta > 1/2 Window (m)=manual int.

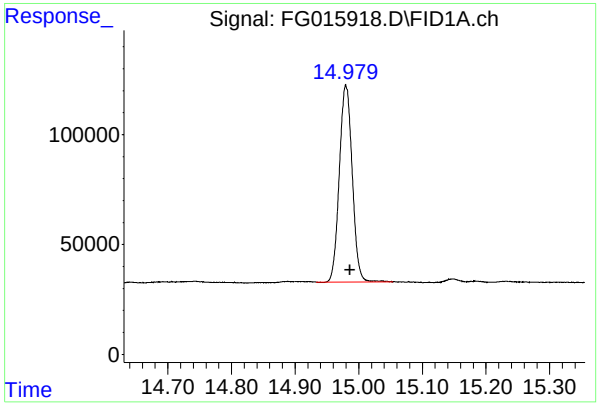
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG060425\
Data File : FG015918.D
Signal(s) : FID1A.ch
Acq On : 04 Jun 2025 15:45
Operator : YP\AJ
Sample : Q2150-05
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
TP-47

Integration File: autoint1.e
Quant Time: Jun 05 05:36:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG052225.M
Quant Title :
QLast Update : Thu May 22 06:20:25 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : Rxi-1ms
Signal Info : 20mx0.18mmx0.18um





#9 TETRACOSANE-d50 (SURROGATE)

R.T.: 14.980 min
Delta R.T.: -0.006 mi
Response: 1262451
Conc: 10.30 ug/m

Instrument :
FID_G
ClientSampleId :
TP-47

11

A B C D E F G H I J

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG060425\
Data File : FG015918.D
Signal(s) : FID1A.ch
Acq On : 04 Jun 2025 15:45
Sample : Q2150-05
Misc :
ALS Vial : 27 Sample Multiplier: 1

Integration File: Sample.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG052225.M
Title :

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.308	4.300	4.314	BV	91	579	0.04%	0.009%
2	4.316	4.314	4.336	VV	140	1152	0.08%	0.019%
3	4.340	4.336	4.381	VV	110	2528	0.18%	0.041%
4	4.387	4.381	4.419	VV	198	3024	0.22%	0.049%
5	4.443	4.419	4.450	VV	328	3357	0.24%	0.054%
6	4.455	4.450	4.473	VV	239	2639	0.19%	0.042%
7	4.481	4.473	4.491	VV	315	2866	0.21%	0.046%
8	4.493	4.491	4.513	VV	369	3151	0.23%	0.051%
9	4.516	4.513	4.528	VV	357	2320	0.17%	0.037%
10	4.536	4.528	4.551	VV	304	3432	0.25%	0.055%
11	4.567	4.551	4.583	VV	325	4854	0.35%	0.078%
12	4.585	4.583	4.607	VV	304	4189	0.30%	0.067%
13	4.616	4.607	4.636	VV	359	5364	0.39%	0.086%
14	4.659	4.636	4.690	VV	462	11852	0.86%	0.191%
15	4.703	4.690	4.714	VV	441	5448	0.39%	0.088%
16	4.724	4.714	4.729	VV	472	3367	0.24%	0.054%
17	4.734	4.729	4.748	VV	417	4308	0.31%	0.069%
18	4.753	4.748	4.778	VV	464	6819	0.49%	0.110%
19	4.783	4.778	4.797	VV	414	4549	0.33%	0.073%
20	4.882	4.797	4.888	VV	700	27604	2.00%	0.444%
21	4.903	4.888	4.911	VV	793	9235	0.67%	0.149%
22	4.952	4.911	4.966	VV	904	26085	1.89%	0.420%
23	4.969	4.966	4.992	VV	877	12209	0.88%	0.197%
24	5.002	4.992	5.059	VV	850	31218	2.26%	0.503%
25	5.064	5.059	5.071	VV	766	5403	0.39%	0.087%
26	5.083	5.071	5.097	VV	865	12079	0.87%	0.194%
27	5.102	5.097	5.123	VV	879	11991	0.87%	0.193%
28	5.127	5.123	5.136	VV	806	5938	0.43%	0.096%
29	5.140	5.136	5.218	VV	829	29579	2.14%	0.476%
30	5.222	5.218	5.254	VV	488	7760	0.56%	0.125%
31	5.256	5.254	5.282	VV	359	4178	0.30%	0.067%
32	5.285	5.282	5.313	VV	288	3591	0.26%	0.058%
33	5.315	5.313	5.341	VV	235	2342	0.17%	0.038%
34	5.345	5.341	5.351	VV	131	575	0.04%	0.009%
35	5.356	5.351	5.359	PV	101	359	0.03%	0.006%
36	5.363	5.359	5.372	VV	139	731	0.05%	0.012%

rteres

37	5.378	5.372	5.420	VV	110	2323	0.17%	0.037%
38	5.421	5.420	5.439	VV	169	723	0.05%	0.012%
39	5.449	5.439	5.461	VV	144	1037	0.07%	0.017%
40	5.469	5.461	5.477	VV	145	1060	0.08%	0.017%
41	5.486	5.477	5.516	VV	133	1754	0.13%	0.028%
42	5.533	5.516	5.568	PV	139	1826	0.13%	0.029%
43	5.572	5.568	5.591	VV	69	739	0.05%	0.012%
44	5.595	5.591	5.611	VV	95	508	0.04%	0.008%
45	5.623	5.611	5.631	PV	108	760	0.05%	0.012%
46	5.634	5.631	5.664	VB	73	925	0.07%	0.015%
47	5.724	5.683	5.729	BV	107	762	0.06%	0.012%
48	5.733	5.729	5.739	VV	112	582	0.04%	0.009%
49	5.742	5.739	5.750	VV	123	668	0.05%	0.011%
50	5.752	5.750	5.757	VV	137	351	0.03%	0.006%
51	5.760	5.757	5.766	VV	136	439	0.03%	0.007%
52	5.771	5.766	5.791	VV	99	930	0.07%	0.015%
53	5.808	5.791	5.825	PV	94	1245	0.09%	0.020%
54	5.832	5.825	5.837	VV	124	471	0.03%	0.008%
55	5.844	5.837	5.856	PV	132	793	0.06%	0.013%
56	5.859	5.856	5.864	VV	71	292	0.02%	0.005%
57	5.908	5.864	5.947	PV	466	10796	0.78%	0.174%
58	5.955	5.947	5.960	VV	160	1075	0.08%	0.017%
59	5.972	5.960	6.004	VV	254	4235	0.31%	0.068%
60	6.020	6.004	6.025	VV	242	2365	0.17%	0.038%
61	6.031	6.025	6.089	VV	199	5050	0.37%	0.081%
62	6.093	6.089	6.099	VV	179	712	0.05%	0.011%
63	6.103	6.099	6.113	VV	124	862	0.06%	0.014%
64	6.120	6.113	6.127	VV	169	918	0.07%	0.015%
65	6.131	6.127	6.153	VV	132	1239	0.09%	0.020%
66	6.155	6.153	6.170	VV	115	931	0.07%	0.015%
67	6.183	6.170	6.187	VV	174	1174	0.08%	0.019%
68	6.198	6.187	6.216	VV	189	2239	0.16%	0.036%
69	6.230	6.216	6.240	VV	192	1900	0.14%	0.031%
70	6.263	6.240	6.286	VV	218	4034	0.29%	0.065%
71	6.290	6.286	6.307	VV	133	1297	0.09%	0.021%
72	6.319	6.307	6.325	VV	170	1600	0.12%	0.026%
73	6.327	6.325	6.349	VV	218	2411	0.17%	0.039%
74	6.356	6.349	6.372	VV	257	2767	0.20%	0.045%
75	6.379	6.372	6.415	VV	323	5942	0.43%	0.096%
76	6.418	6.415	6.422	VV	238	765	0.06%	0.012%
77	6.437	6.422	6.444	VV	234	2337	0.17%	0.038%
78	6.459	6.444	6.510	VV	277	7968	0.58%	0.128%
79	6.516	6.510	6.524	VV	215	1639	0.12%	0.026%
80	6.556	6.524	6.585	VV	421	9460	0.68%	0.152%
81	6.588	6.585	6.600	VV	200	1677	0.12%	0.027%
82	6.623	6.600	6.651	VV	306	6503	0.47%	0.105%
83	6.665	6.651	6.674	VV	208	2611	0.19%	0.042%
84	6.678	6.674	6.721	VV	146	3734	0.27%	0.060%
85	6.757	6.721	6.774	VV	258	5782	0.42%	0.093%
86	6.790	6.774	6.806	VV	259	3708	0.27%	0.060%
87	6.855	6.806	6.865	VV	244	6989	0.51%	0.113%
88	6.946	6.865	6.996	VV	319	19675	1.42%	0.317%
89	7.012	6.996	7.032	VV	260	4906	0.35%	0.079%

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90	7.056	7.032	7.096	VV	240	6962	0.50%	0.112%
91	7.125	7.096	7.134	VV	192	2912	0.21%	0.047%
92	7.148	7.134	7.162	VV	176	2484	0.18%	0.040%
93	7.241	7.162	7.262	VV	239	10594	0.77%	0.171%
94	7.291	7.262	7.332	VV	282	8549	0.62%	0.138%
95	7.350	7.332	7.369	VV	364	6538	0.47%	0.105%
96	7.377	7.369	7.425	VV	388	9785	0.71%	0.158%
97	7.452	7.425	7.481	VV	314	7258	0.52%	0.117%
98	7.489	7.481	7.503	VV	234	2440	0.18%	0.039%
99	7.512	7.503	7.524	VV	170	2050	0.15%	0.033%
100	7.544	7.524	7.553	VV	197	2599	0.19%	0.042%
101	7.559	7.553	7.611	VV	194	3332	0.24%	0.054%
102	7.641	7.611	7.680	VV	189	4429	0.32%	0.071%
103	7.699	7.680	7.744	VV	138	3115	0.23%	0.050%
104	7.774	7.744	7.820	VV	905	4188	0.30%	0.067%
105	7.827	7.820	7.864	VV	111	1521	0.11%	0.024%
106	7.900	7.864	7.976	PV	941	15151	1.10%	0.244%
107	7.987	7.976	8.009	VV	107	1422	0.10%	0.023%
108	8.015	8.009	8.027	VV	179	1009	0.07%	0.016%
109	8.045	8.027	8.054	VV	210	2586	0.19%	0.042%
110	8.073	8.054	8.142	VV	872	13044	0.94%	0.210%
111	8.147	8.142	8.157	VV	87	535	0.04%	0.009%
112	8.178	8.157	8.219	VV	98	2175	0.16%	0.035%
113	8.233	8.219	8.244	PV	167	1494	0.11%	0.024%
114	8.252	8.244	8.269	VV	145	1477	0.11%	0.024%
115	8.277	8.269	8.314	VV	77	1914	0.14%	0.031%
116	8.327	8.314	8.361	VV	154	2881	0.21%	0.046%
117	8.374	8.361	8.383	VV	123	1008	0.07%	0.016%
118	8.394	8.383	8.403	VV	166	1078	0.08%	0.017%
119	8.443	8.403	8.452	VV	187	3691	0.27%	0.059%
120	8.476	8.452	8.489	VV	365	5487	0.40%	0.088%
121	8.505	8.489	8.592	VV	461	12470	0.90%	0.201%
122	8.596	8.592	8.609	VV	130	727	0.05%	0.012%
123	8.640	8.609	8.708	VV	243	9124	0.66%	0.147%
124	8.739	8.708	8.786	VV	228	5572	0.40%	0.090%
125	8.793	8.786	8.808	VV	118	1037	0.07%	0.017%
126	8.834	8.808	8.857	VV	319	4948	0.36%	0.080%
127	8.864	8.857	8.909	VV	229	4534	0.33%	0.073%
128	8.936	8.909	8.967	VV	488	7923	0.57%	0.128%
129	9.006	8.967	9.116	VV	340	17511	1.27%	0.282%
130	9.157	9.116	9.186	VV	270	8519	0.62%	0.137%
131	9.231	9.186	9.314	VV	641	19991	1.45%	0.322%
132	9.337	9.314	9.351	VV	240	4121	0.30%	0.066%
133	9.385	9.351	9.486	VV	437	12029	0.87%	0.194%
134	9.519	9.486	9.559	PV	185	4094	0.30%	0.066%
135	9.571	9.559	9.586	VV	106	902	0.07%	0.015%
136	9.592	9.586	9.600	VV	67	401	0.03%	0.006%
137	9.621	9.600	9.643	VV	90	1209	0.09%	0.019%
138	9.671	9.643	9.686	PV	127	1802	0.13%	0.029%
139	9.695	9.686	9.704	VV	87	954	0.07%	0.015%
140	9.731	9.704	9.822	VV	354	15413	1.11%	0.248%
141	9.841	9.822	9.869	VV	172	3598	0.26%	0.058%

rteres

142	9.881	9.869	9.920	VV	199	2443	0.18%	0.039%
143	9.947	9.920	9.970	PV	830	10843	0.78%	0.175%
144	10.010	9.970	10.104	VV	7689	284354	20.56%	4.578%
145	10.113	10.104	10.172	VV	1890	58280	4.21%	0.938%
146	10.183	10.172	10.207	VV	1084	19293	1.39%	0.311%
147	10.230	10.207	10.336	VV	745	36109	2.61%	0.581%
148	10.349	10.336	10.372	VV	266	4797	0.35%	0.077%
149	10.386	10.372	10.415	VV	226	3883	0.28%	0.063%
150	10.464	10.415	10.531	VV	897	28308	2.05%	0.456%
151	10.537	10.531	10.576	VV	289	6325	0.46%	0.102%
152	10.583	10.576	10.617	VV	291	5031	0.36%	0.081%
153	10.634	10.617	10.657	VV	317	5002	0.36%	0.081%
154	10.680	10.657	10.712	VV	166	3823	0.28%	0.062%
155	10.747	10.712	10.810	VV	299	9086	0.66%	0.146%
156	10.860	10.810	10.900	VV	485	13965	1.01%	0.225%
157	10.926	10.900	10.952	VV	376	8302	0.60%	0.134%
158	10.966	10.952	11.021	VV	422	9547	0.69%	0.154%
159	11.049	11.021	11.069	VV	222	3839	0.28%	0.062%
160	11.098	11.069	11.117	VV	229	4485	0.32%	0.072%
161	11.135	11.117	11.144	VV	164	1653	0.12%	0.027%
162	11.177	11.144	11.222	PV	631	19069	1.38%	0.307%
163	11.234	11.222	11.274	VV	402	10043	0.73%	0.162%
164	11.289	11.274	11.329	VV	313	7830	0.57%	0.126%
165	11.337	11.329	11.347	VV	214	1844	0.13%	0.030%
166	11.369	11.347	11.391	VV	229	4386	0.32%	0.071%
167	11.403	11.391	11.442	VV	138	3431	0.25%	0.055%
168	11.498	11.442	11.524	VV	160	4264	0.31%	0.069%
169	11.564	11.524	11.605	VV	669	13746	0.99%	0.221%
170	11.644	11.605	11.693	VV	897	18831	1.36%	0.303%
171	11.722	11.693	11.741	VV	695	10320	0.75%	0.166%
172	11.759	11.741	11.786	VV	407	5975	0.43%	0.096%
173	11.875	11.786	11.896	PV	475	13827	1.00%	0.223%
174	11.909	11.896	11.931	VV	357	4659	0.34%	0.075%
175	11.993	11.931	12.027	VV	781	25986	1.88%	0.418%
176	12.045	12.027	12.072	VV	1073	17503	1.27%	0.282%
177	12.079	12.072	12.103	VV	379	5210	0.38%	0.084%
178	12.120	12.103	12.154	VV	302	6427	0.46%	0.103%
179	12.170	12.154	12.186	VV	237	3763	0.27%	0.061%
180	12.234	12.186	12.269	VV	630	20575	1.49%	0.331%
181	12.290	12.269	12.311	VV	534	11364	0.82%	0.183%
182	12.330	12.311	12.351	VV	892	14906	1.08%	0.240%
183	12.357	12.351	12.409	VV	495	14409	1.04%	0.232%
184	12.436	12.409	12.452	VV	494	9326	0.67%	0.150%
185	12.494	12.452	12.579	VV	15646	236448	17.09%	3.807%
186	12.586	12.579	12.607	VV	1028	14897	1.08%	0.240%
187	12.622	12.607	12.632	VV	802	11415	0.83%	0.184%
188	12.640	12.632	12.662	VV	844	13410	0.97%	0.216%
189	12.701	12.662	12.727	VV	997	29679	2.15%	0.478%
190	12.734	12.727	12.769	VV	632	15123	1.09%	0.244%
191	12.797	12.769	12.854	VV	866	36395	2.63%	0.586%
192	12.878	12.854	12.919	VV	1163	32744	2.37%	0.527%
193	12.944	12.919	13.067	VV	1737	81870	5.92%	1.318%
194	13.129	13.067	13.154	VV	873	36805	2.66%	0.593%

rteres

195	13.158	13.154	13.184	VV	727	12158	0.88%	0.196%
196	13.196	13.184	13.221	VV	775	14701	1.06%	0.237%
197	13.288	13.221	13.347	VV	2239	98522	7.12%	1.586%
198	13.370	13.347	13.406	VV	1088	33420	2.42%	0.538%
199	13.450	13.406	13.472	VV	1082	36467	2.64%	0.587%
200	13.491	13.472	13.542	VV	1390	44481	3.22%	0.716%
201	13.548	13.542	13.580	VV	1009	20777	1.50%	0.335%
202	13.618	13.580	13.636	VV	1143	32958	2.38%	0.531%
203	13.655	13.636	13.677	VV	1068	24256	1.75%	0.391%
204	13.716	13.677	13.783	VV	1295	66953	4.84%	1.078%
205	13.808	13.783	13.819	VV	1032	19435	1.41%	0.313%
206	13.839	13.819	13.853	VV	1190	21192	1.53%	0.341%
207	13.897	13.853	13.976	VV	1365	82083	5.93%	1.322%
208	14.033	13.976	14.058	VV	4089	92180	6.66%	1.484%
209	14.075	14.058	14.100	VV	1472	31419	2.27%	0.506%
210	14.133	14.100	14.174	VV	1257	48852	3.53%	0.787%
211	14.193	14.174	14.214	VV	1221	25773	1.86%	0.415%
212	14.222	14.214	14.247	VV	1093	18719	1.35%	0.301%
213	14.309	14.247	14.341	VV	1165	54026	3.91%	0.870%
214	14.382	14.341	14.421	VV	1185	48017	3.47%	0.773%
215	14.438	14.421	14.453	VV	1259	21819	1.58%	0.351%
216	14.480	14.453	14.536	VV	2419	81510	5.89%	1.312%
217	14.550	14.536	14.562	VV	1195	17089	1.24%	0.275%
218	14.570	14.562	14.622	VV	1104	35673	2.58%	0.574%
219	14.641	14.622	14.663	VV	1358	29095	2.10%	0.468%
220	14.743	14.663	14.824	VV	1727	128014	9.25%	2.061%
221	14.889	14.824	14.944	VV	1571	88903	6.43%	1.431%
222	14.980	14.944	15.119	VV	90688	1383252	100.00%	22.272%
223	15.148	15.119	15.172	VV	2497	52951	3.83%	0.853%
224	15.184	15.172	15.212	VV	1422	29306	2.12%	0.472%
225	15.231	15.212	15.326	VV	1428	69952	5.06%	1.126%
226	15.328	15.326	15.359	VV	926	15840	1.15%	0.255%
227	15.380	15.359	15.405	VV	1051	25434	1.84%	0.410%
228	15.417	15.405	15.431	VV	940	13987	1.01%	0.225%
229	15.440	15.431	15.491	VV	968	33007	2.39%	0.531%
230	15.511	15.491	15.533	VV	1281	25543	1.85%	0.411%
231	15.567	15.533	15.676	VV	28241	631299	45.64%	10.165%
232	15.706	15.676	15.742	VV	1600	50051	3.62%	0.806%
233	15.772	15.742	15.815	VV	2897	66266	4.79%	1.067%
234	15.835	15.815	15.901	VV	1002	39938	2.89%	0.643%
235	15.910	15.901	15.945	VV	717	17252	1.25%	0.278%
236	15.986	15.945	15.993	VV	774	20203	1.46%	0.325%
237	16.017	15.993	16.066	VV	876	28841	2.09%	0.464%
238	16.094	16.066	16.149	VV	1099	36907	2.67%	0.594%
239	16.159	16.149	16.187	VV	437	8318	0.60%	0.134%
240	16.207	16.187	16.251	VV	920	19438	1.41%	0.313%
241	16.272	16.251	16.299	VV	467	8507	0.62%	0.137%
242	16.306	16.299	16.320	VV	194	1654	0.12%	0.027%
243	16.342	16.320	16.364	PV	239	3382	0.24%	0.054%
244	16.402	16.364	16.467	PV	763	16639	1.20%	0.268%
245	16.499	16.467	16.542	PV	326	7904	0.57%	0.127%
246	16.591	16.542	16.636	VV	2222	51375	3.71%	0.827%

rteres

247	16.655	16.636	16.671	VV	495	8606	0.62%	0.139%
248	16.692	16.671	16.719	VV	1024	13600	0.98%	0.219%
249	16.770	16.719	16.807	PV	748	17568	1.27%	0.283%
250	16.853	16.807	16.861	VV	295	5863	0.42%	0.094%
251	16.982	16.861	17.002	VV	689	28041	2.03%	0.452%
252	17.018	17.002	17.031	VV	641	9120	0.66%	0.147%
253	17.069	17.031	17.086	VV	647	18095	1.31%	0.291%
254	17.094	17.086	17.108	VV	417	5105	0.37%	0.082%
255	17.160	17.108	17.179	VV	1496	32319	2.34%	0.520%
256	17.206	17.179	17.267	VV	7783	124444	9.00%	2.004%
257	17.292	17.267	17.304	VV	216	4021	0.29%	0.065%
258	17.318	17.304	17.332	VV	194	2557	0.18%	0.041%
259	17.395	17.332	17.426	PV	237	8695	0.63%	0.140%
260	17.492	17.426	17.509	PV	313	9187	0.66%	0.148%
261	17.536	17.509	17.582	VV	1232	26832	1.94%	0.432%
262	17.609	17.582	17.653	VV	2459	37564	2.72%	0.605%
263	17.704	17.653	17.729	PV	313	4739	0.34%	0.076%
264	17.784	17.729	17.801	VV	400	2301	0.17%	0.037%
265	17.845	17.801	17.864	VV	195	3080	0.22%	0.050%
266	17.938	17.864	17.944	PV	200	2643	0.19%	0.043%

Sum of corrected areas: 6210716

FG052225.M Thu Jun 05 06:13:24 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG060425\
Data File : FG015919.D
Signal(s) : FID1A.ch
Acq On : 04 Jun 2025 16:48
Operator : YP\AJ
Sample : Q2150-06
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
TP-50

Integration File: autoint1.e
Quant Time: Jun 05 05:36:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG052225.M
Quant Title :
QLast Update : Thu May 22 06:20:25 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : Rxi-1ms
Signal Info : 20mx0.18mmx0.18um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
9) S TETRACOSANE-d50 (SURR...	14.983	1442343	11.768 ug/ml
Target Compounds			

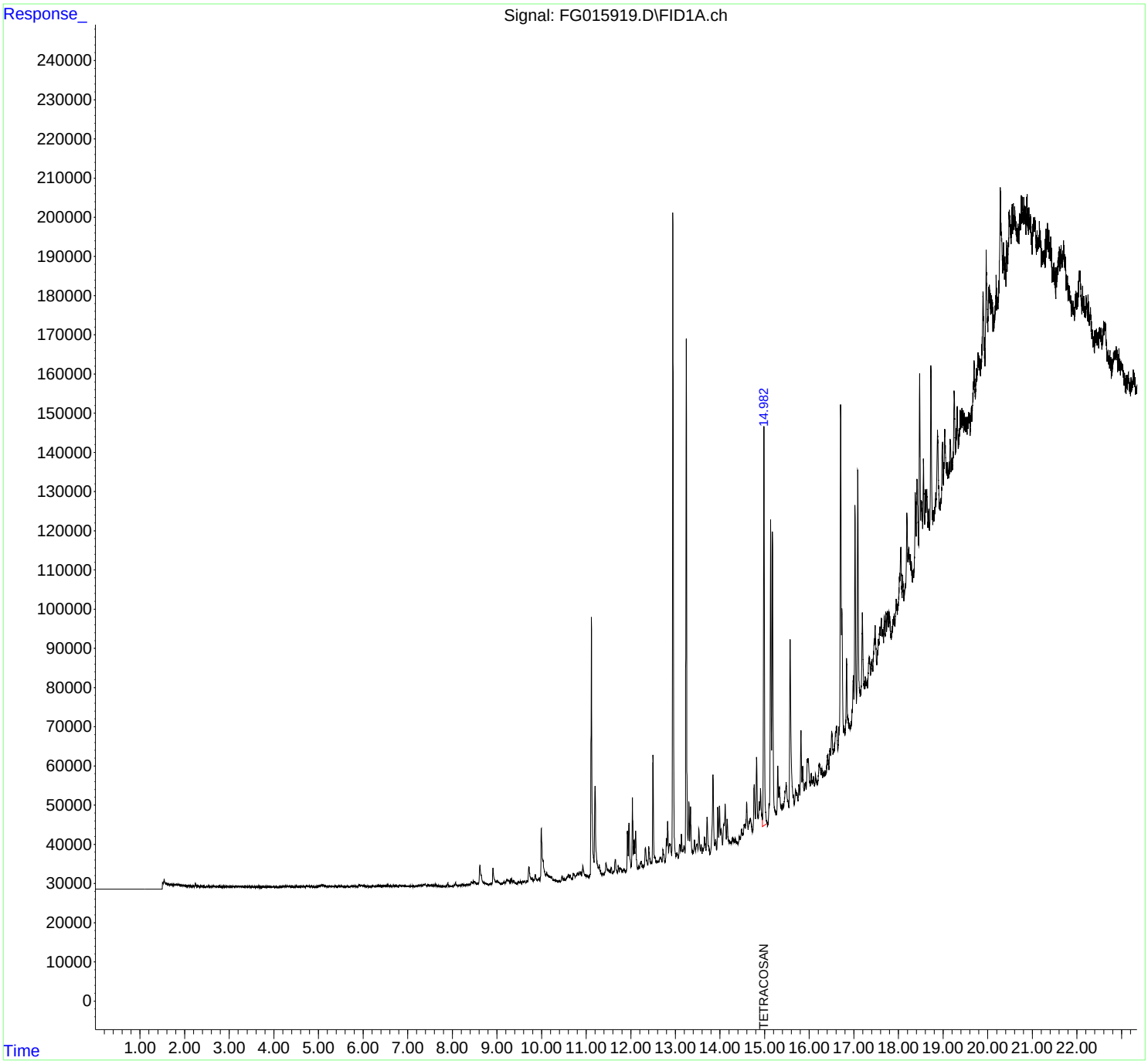
(f)=RT Delta > 1/2 Window (m)=manual int.

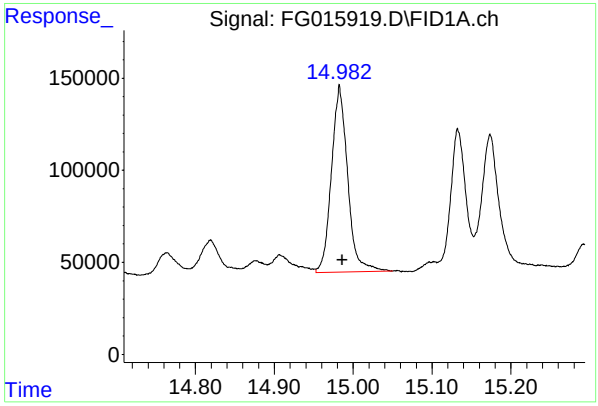
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG060425\
Data File : FG015919.D
Signal(s) : FID1A.ch
Acq On : 04 Jun 2025 16:48
Operator : YP\AJ
Sample : Q2150-06
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
TP-50

Integration File: autoint1.e
Quant Time: Jun 05 05:36:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG052225.M
Quant Title :
QLast Update : Thu May 22 06:20:25 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : Rxi-1ms
Signal Info : 20mx0.18mmx0.18um





#9 TETRACOSANE-d50 (SURROGATE)

R.T.: 14.983 min
Delta R.T.: -0.004 mi
Response: 1442343
Conc: 11.77 ug/m

Instrument :
FID_G
ClientSampleId :
TP-50

11

A B C D E F G H I J

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG060425\
Data File : FG015919.D
Signal(s) : FID1A.ch
Acq On : 04 Jun 2025 16:48
Sample : Q2150-06
Misc :
ALS Vial : 28 Sample Multiplier: 1

Integration File: Sample.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG052225.M
Title :

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.349	4.330	4.354	BV	171	523	0.02%	0.002%
2	4.357	4.354	4.370	VV	100	597	0.03%	0.002%
3	4.379	4.370	4.391	PV	86	541	0.03%	0.002%
4	4.399	4.391	4.411	VV	86	491	0.02%	0.002%
5	4.425	4.411	4.437	VV	84	713	0.03%	0.003%
6	4.442	4.437	4.455	VV	88	306	0.01%	0.001%
7	4.459	4.455	4.465	PV	65	196	0.01%	0.001%
8	4.469	4.465	4.472	VV	66	164	0.01%	0.001%
9	4.489	4.472	4.493	PV	209	1304	0.06%	0.005%
10	4.498	4.493	4.511	VV	119	1214	0.06%	0.004%
11	4.519	4.511	4.523	VV	162	775	0.04%	0.003%
12	4.528	4.523	4.539	VV	123	811	0.04%	0.003%
13	4.543	4.539	4.592	VV	149	2574	0.12%	0.009%
14	4.610	4.592	4.631	PV	177	2270	0.11%	0.008%
15	4.663	4.631	4.705	PV	290	6938	0.32%	0.025%
16	4.725	4.705	4.748	VV	342	5247	0.25%	0.019%
17	4.760	4.748	4.781	VV	265	4241	0.20%	0.015%
18	4.796	4.781	4.835	VV	257	5782	0.27%	0.020%
19	4.839	4.835	4.873	VV	213	3112	0.15%	0.011%
20	4.894	4.873	4.900	VV	162	1767	0.08%	0.006%
21	4.905	4.900	4.916	VV	117	768	0.04%	0.003%
22	4.933	4.916	4.939	VV	137	1120	0.05%	0.004%
23	4.948	4.939	4.954	VV	175	996	0.05%	0.004%
24	4.963	4.954	4.968	VV	170	956	0.04%	0.003%
25	4.982	4.968	4.988	VV	215	1908	0.09%	0.007%
26	4.998	4.988	5.008	VV	243	2367	0.11%	0.008%
27	5.014	5.008	5.020	VV	268	1668	0.08%	0.006%
28	5.063	5.020	5.070	VV	458	9950	0.47%	0.035%
29	5.083	5.070	5.137	VV	530	14858	0.70%	0.052%
30	5.154	5.137	5.162	VV	451	4584	0.21%	0.016%
31	5.166	5.162	5.178	VV	329	2209	0.10%	0.008%
32	5.185	5.178	5.200	VV	270	2495	0.12%	0.009%
33	5.204	5.200	5.228	VV	162	2116	0.10%	0.007%
34	5.246	5.228	5.257	VV	203	2297	0.11%	0.008%
35	5.263	5.257	5.268	VV	202	817	0.04%	0.003%
36	5.272	5.268	5.278	VV	137	669	0.03%	0.002%

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37	5.286	5.278	5.296	VV	124	1247	0.06%	0.004%
38	5.305	5.296	5.323	VV	183	2130	0.10%	0.008%
39	5.330	5.323	5.334	VV	182	904	0.04%	0.003%
40	5.343	5.334	5.354	VV	167	1579	0.07%	0.006%
41	5.364	5.354	5.369	VV	267	1391	0.07%	0.005%
42	5.383	5.369	5.401	VV	232	3202	0.15%	0.011%
43	5.405	5.401	5.411	VV	154	690	0.03%	0.002%
44	5.413	5.411	5.430	VV	161	1088	0.05%	0.004%
45	5.471	5.430	5.500	VV	272	7768	0.36%	0.027%
46	5.504	5.500	5.534	VV	274	3715	0.17%	0.013%
47	5.536	5.534	5.572	VV	181	3032	0.14%	0.011%
48	5.580	5.572	5.591	VV	133	1177	0.06%	0.004%
49	5.595	5.591	5.613	VV	156	820	0.04%	0.003%
50	5.629	5.613	5.633	VV	249	1932	0.09%	0.007%
51	5.638	5.633	5.645	VV	245	1510	0.07%	0.005%
52	5.650	5.645	5.684	VV	230	2984	0.14%	0.011%
53	5.690	5.684	5.699	VV	97	618	0.03%	0.002%
54	5.723	5.699	5.776	VV	273	7925	0.37%	0.028%
55	5.787	5.776	5.793	VV	178	1328	0.06%	0.005%
56	5.809	5.793	5.821	VV	230	2480	0.12%	0.009%
57	5.825	5.821	5.834	VV	234	1225	0.06%	0.004%
58	5.843	5.834	5.849	VV	151	1054	0.05%	0.004%
59	5.862	5.849	5.876	VV	183	2223	0.10%	0.008%
60	5.909	5.876	5.931	VV	603	11216	0.53%	0.040%
61	5.937	5.931	5.942	VV	297	1722	0.08%	0.006%
62	5.972	5.942	5.998	VV	392	10447	0.49%	0.037%
63	6.016	5.998	6.087	VV	340	10354	0.48%	0.037%
64	6.106	6.087	6.117	VV	189	2411	0.11%	0.009%
65	6.119	6.117	6.137	VV	137	1148	0.05%	0.004%
66	6.165	6.137	6.181	PV	94	1492	0.07%	0.005%
67	6.200	6.181	6.209	VV	206	1652	0.08%	0.006%
68	6.231	6.209	6.260	VV	252	6607	0.31%	0.023%
69	6.266	6.260	6.271	VV	273	1411	0.07%	0.005%
70	6.321	6.271	6.334	VV	269	7780	0.36%	0.027%
71	6.384	6.334	6.397	VV	403	10398	0.49%	0.037%
72	6.402	6.397	6.417	VV	282	2725	0.13%	0.010%
73	6.429	6.417	6.436	VV	229	2313	0.11%	0.008%
74	6.437	6.436	6.441	VV	252	662	0.03%	0.002%
75	6.445	6.441	6.448	VV	257	892	0.04%	0.003%
76	6.458	6.448	6.509	VV	319	7595	0.36%	0.027%
77	6.515	6.509	6.523	VV	241	1457	0.07%	0.005%
78	6.528	6.523	6.536	VV	337	2115	0.10%	0.007%
79	6.553	6.536	6.572	VV	447	7106	0.33%	0.025%
80	6.578	6.572	6.592	VV	191	1997	0.09%	0.007%
81	6.623	6.592	6.641	VV	300	6036	0.28%	0.021%
82	6.673	6.641	6.683	VV	301	5002	0.23%	0.018%
83	6.690	6.683	6.694	VV	269	1418	0.07%	0.005%
84	6.701	6.694	6.716	VV	289	2963	0.14%	0.010%
85	6.734	6.716	6.740	VV	291	3547	0.17%	0.013%
86	6.746	6.740	6.807	VV	309	7903	0.37%	0.028%
87	6.821	6.807	6.844	VV	379	5706	0.27%	0.020%
88	6.851	6.844	6.872	VV	311	3869	0.18%	0.014%
89	6.876	6.872	6.880	VV	249	968	0.05%	0.003%

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90	6.887	6.880	6.936	VV	276	6969	0.33%	0.025%
91	6.951	6.936	6.980	VV	312	5634	0.26%	0.020%
92	7.005	6.980	7.022	VV	216	4580	0.21%	0.016%
93	7.027	7.022	7.063	VV	229	2782	0.13%	0.010%
94	7.069	7.063	7.091	VV	186	2375	0.11%	0.008%
95	7.097	7.091	7.106	VV	225	1122	0.05%	0.004%
96	7.112	7.106	7.142	VV	216	3251	0.15%	0.011%
97	7.147	7.142	7.153	VV	160	938	0.04%	0.003%
98	7.159	7.153	7.164	VV	206	1116	0.05%	0.004%
99	7.189	7.164	7.214	VV	225	5307	0.25%	0.019%
100	7.251	7.214	7.259	VV	343	8072	0.38%	0.029%
101	7.264	7.259	7.269	VV	313	1726	0.08%	0.006%
102	7.287	7.269	7.304	VV	367	6518	0.31%	0.023%
103	7.334	7.304	7.339	VV	425	6980	0.33%	0.025%
104	7.362	7.339	7.372	VV	569	10294	0.48%	0.036%
105	7.386	7.372	7.392	VV	686	6726	0.32%	0.024%
106	7.393	7.392	7.424	VV	628	7963	0.37%	0.028%
107	7.454	7.424	7.477	VV	531	12464	0.58%	0.044%
108	7.494	7.477	7.506	VV	344	5432	0.25%	0.019%
109	7.515	7.506	7.543	VV	472	7365	0.34%	0.026%
110	7.560	7.543	7.576	VV	365	5910	0.28%	0.021%
111	7.580	7.576	7.585	VV	247	1154	0.05%	0.004%
112	7.623	7.585	7.681	VV	491	15639	0.73%	0.055%
113	7.694	7.681	7.712	VV	278	3337	0.16%	0.012%
114	7.717	7.712	7.729	VV	132	1192	0.06%	0.004%
115	7.737	7.729	7.768	VV	171	2143	0.10%	0.008%
116	7.791	7.768	7.816	VV	149	2272	0.11%	0.008%
117	7.829	7.816	7.836	PV	118	827	0.04%	0.003%
118	7.847	7.836	7.856	VV	126	1178	0.06%	0.004%
119	7.860	7.856	7.867	VV	98	592	0.03%	0.002%
120	7.900	7.867	7.927	VV	1035	13242	0.62%	0.047%
121	7.931	7.927	7.941	VV	120	896	0.04%	0.003%
122	7.947	7.941	7.968	VV	153	1493	0.07%	0.005%
123	7.989	7.968	8.021	PV	167	3143	0.15%	0.011%
124	8.049	8.021	8.057	VV	402	4813	0.23%	0.017%
125	8.074	8.057	8.119	VV	1077	16702	0.78%	0.059%
126	8.149	8.119	8.154	VV	198	3163	0.15%	0.011%
127	8.161	8.154	8.182	VV	177	2373	0.11%	0.008%
128	8.227	8.182	8.254	VV	500	12785	0.60%	0.045%
129	8.257	8.254	8.275	VV	357	3037	0.14%	0.011%
130	8.290	8.275	8.297	VV	266	2859	0.13%	0.010%
131	8.300	8.297	8.306	VV	232	1027	0.05%	0.004%
132	8.324	8.306	8.354	VV	483	9197	0.43%	0.032%
133	8.371	8.354	8.394	VV	358	7522	0.35%	0.027%
134	8.430	8.394	8.451	VV	1006	21945	1.03%	0.078%
135	8.471	8.451	8.486	VV	1095	18859	0.88%	0.067%
136	8.506	8.486	8.559	VV	1109	30837	1.44%	0.109%
137	8.565	8.559	8.567	VV	423	1989	0.09%	0.007%
138	8.577	8.567	8.587	VV	573	6374	0.30%	0.023%
139	8.618	8.587	8.741	VV	5169	161108	7.55%	0.569%
140	8.749	8.741	8.806	VV	517	11223	0.53%	0.040%
141	8.837	8.806	8.851	VV	349	5182	0.24%	0.018%

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142	8.864	8.851	8.876	VV	441	4962	0.23%	0.018%
143	8.913	8.876	8.975	VV	4299	95102	4.45%	0.336%
144	8.992	8.975	9.004	VV	984	14612	0.68%	0.052%
145	9.020	9.004	9.036	VV	935	15160	0.71%	0.054%
146	9.042	9.036	9.078	VV	660	10731	0.50%	0.038%
147	9.083	9.078	9.104	VV	253	2934	0.14%	0.010%
148	9.126	9.104	9.139	VV	390	6151	0.29%	0.022%
149	9.156	9.139	9.176	VV	759	12368	0.58%	0.044%
150	9.219	9.176	9.234	VV	1216	27837	1.30%	0.098%
151	9.248	9.234	9.307	VV	1132	33871	1.59%	0.120%
152	9.333	9.307	9.356	VV	1322	23288	1.09%	0.082%
153	9.373	9.356	9.439	VV	978	21114	0.99%	0.075%
154	9.444	9.439	9.447	PV	49	253	0.01%	0.001%
155	9.483	9.447	9.506	VV	708	11514	0.54%	0.041%
156	9.526	9.506	9.554	VV	643	9578	0.45%	0.034%
157	9.578	9.554	9.605	VV	663	12669	0.59%	0.045%
158	9.623	9.605	9.649	VV	649	11994	0.56%	0.042%
159	9.672	9.649	9.683	VV	573	8047	0.38%	0.028%
160	9.716	9.683	9.769	VV	4265	104799	4.91%	0.370%
161	9.783	9.769	9.817	VV	1319	28637	1.34%	0.101%
162	9.831	9.817	9.837	VV	839	8698	0.41%	0.031%
163	9.860	9.837	9.904	VV	2120	49195	2.30%	0.174%
164	9.918	9.904	9.932	VV	908	13157	0.62%	0.046%
165	9.948	9.932	9.964	VV	1319	17180	0.80%	0.061%
166	9.995	9.964	10.096	VV	13863	396185	18.56%	1.400%
167	10.114	10.096	10.134	VV	2561	46987	2.20%	0.166%
168	10.142	10.134	10.169	VV	1849	34103	1.60%	0.120%
169	10.192	10.169	10.211	VV	1483	33014	1.55%	0.117%
170	10.222	10.211	10.255	VV	1363	26522	1.24%	0.094%
171	10.259	10.255	10.267	VV	494	3616	0.17%	0.013%
172	10.294	10.267	10.325	VV	558	14410	0.67%	0.051%
173	10.330	10.325	10.367	VV	191	3232	0.15%	0.011%
174	10.387	10.367	10.399	PV	135	1281	0.06%	0.005%
175	10.414	10.399	10.419	VV	91	667	0.03%	0.002%
176	10.424	10.419	10.429	PV	82	246	0.01%	0.001%
177	10.459	10.429	10.486	VV	1331	22180	1.04%	0.078%
178	10.505	10.486	10.524	VV	602	9222	0.43%	0.033%
179	10.539	10.524	10.543	VV	343	3077	0.14%	0.011%
180	10.602	10.543	10.622	VV	1474	42185	1.98%	0.149%
181	10.643	10.622	10.686	VV	1324	26568	1.24%	0.094%
182	10.713	10.686	10.727	VV	1573	23604	1.11%	0.083%
183	10.732	10.727	10.755	VV	1289	13590	0.64%	0.048%
184	10.773	10.755	10.779	VV	892	10698	0.50%	0.038%
185	10.801	10.779	10.837	VV	1474	42129	1.97%	0.149%
186	10.859	10.837	10.870	VV	1715	26955	1.26%	0.095%
187	10.882	10.870	10.899	VV	1625	19636	0.92%	0.069%
188	10.927	10.899	10.975	VV	3184	76092	3.56%	0.269%
189	10.985	10.975	11.004	VV	690	8563	0.40%	0.030%
190	11.019	11.004	11.066	VV	634	11408	0.53%	0.040%
191	11.117	11.066	11.176	VV	66254	1009437	47.28%	3.566%
192	11.199	11.176	11.276	VV	23036	462614	21.67%	1.634%
193	11.292	11.276	11.357	VV	2838	61933	2.90%	0.219%
194	11.371	11.357	11.393	VV	442	5977	0.28%	0.021%

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195	11.443	11.393	11.477	VV	2972	68395	3.20%	0.242%
196	11.483	11.477	11.506	VV	1289	19365	0.91%	0.068%
197	11.517	11.506	11.539	VV	929	15012	0.70%	0.053%
198	11.561	11.539	11.592	VV	1675	23915	1.12%	0.084%
199	11.652	11.592	11.700	PV	3489	71987	3.37%	0.254%
200	11.721	11.700	11.740	VV	1786	22011	1.03%	0.078%
201	11.758	11.740	11.773	VV	1201	16870	0.79%	0.060%
202	11.782	11.773	11.805	VV	971	11226	0.53%	0.040%
203	11.849	11.805	11.873	VV	777	15192	0.71%	0.054%
204	11.879	11.873	11.899	VV	184	1853	0.09%	0.007%
205	11.925	11.899	11.941	PV	10341	128699	6.03%	0.455%
206	11.959	11.941	12.011	VV	12238	215834	10.11%	0.763%
207	12.037	12.011	12.059	VV	18534	267258	12.52%	0.944%
208	12.074	12.059	12.089	VV	7586	103300	4.84%	0.365%
209	12.106	12.089	12.156	VV	9882	164611	7.71%	0.582%
210	12.175	12.156	12.197	VV	723	7865	0.37%	0.028%
211	12.231	12.197	12.257	VV	1744	36890	1.73%	0.130%
212	12.270	12.257	12.274	VV	470	3575	0.17%	0.013%
213	12.282	12.274	12.289	VV	400	2781	0.13%	0.010%
214	12.328	12.289	12.377	VV	4975	114651	5.37%	0.405%
215	12.402	12.377	12.447	VV	5216	98458	4.61%	0.348%
216	12.462	12.447	12.472	VV	978	13204	0.62%	0.047%
217	12.496	12.472	12.532	VV	28413	361690	16.94%	1.278%
218	12.540	12.532	12.572	VV	2189	36362	1.70%	0.128%
219	12.589	12.572	12.601	VV	1033	14570	0.68%	0.051%
220	12.604	12.601	12.615	VV	812	6507	0.30%	0.023%
221	12.624	12.615	12.632	VV	955	8333	0.39%	0.029%
222	12.651	12.632	12.663	VV	1865	25861	1.21%	0.091%
223	12.673	12.663	12.700	VV	1881	27370	1.28%	0.097%
224	12.720	12.700	12.762	VV	3664	73442	3.44%	0.259%
225	12.797	12.762	12.809	VV	6283	79720	3.73%	0.282%
226	12.826	12.809	12.846	VV	10584	150490	7.05%	0.532%
227	12.863	12.846	12.877	VV	4760	77292	3.62%	0.273%
228	12.888	12.877	12.915	VV	4740	77770	3.64%	0.275%
229	12.942	12.915	13.014	VV	163737	2135013	100.00%	7.543%
230	13.031	13.014	13.068	VV	2034	45801	2.15%	0.162%
231	13.093	13.068	13.115	VV	4009	82183	3.85%	0.290%
232	13.133	13.115	13.156	VV	6647	97416	4.56%	0.344%
233	13.164	13.156	13.176	VV	2578	29454	1.38%	0.104%
234	13.193	13.176	13.216	VV	3457	64068	3.00%	0.226%
235	13.242	13.216	13.282	VV	132886	1689494	79.13%	5.969%
236	13.301	13.282	13.319	VV	14452	203347	9.52%	0.718%
237	13.337	13.319	13.398	VV	13145	236353	11.07%	0.835%
238	13.426	13.398	13.451	VV	4478	81426	3.81%	0.288%
239	13.487	13.451	13.504	VV	3310	83532	3.91%	0.295%
240	13.523	13.504	13.559	VV	6958	124254	5.82%	0.439%
241	13.576	13.559	13.597	VV	2828	42447	1.99%	0.150%
242	13.612	13.597	13.626	VV	1882	26011	1.22%	0.092%
243	13.651	13.626	13.682	VV	4589	94645	4.43%	0.334%
244	13.708	13.682	13.779	VV	9465	195427	9.15%	0.690%
245	13.841	13.779	13.884	PV	19677	412948	19.34%	1.459%
246	13.900	13.884	13.919	VV	3104	44644	2.09%	0.158%

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247	13.948	13.919	13.967	VV	11247	157902	7.40%	0.558%
248	13.987	13.967	14.008	VV	11399	173384	8.12%	0.613%
249	14.024	14.008	14.053	VV	5390	102300	4.79%	0.361%
250	14.114	14.053	14.139	VV	11283	302498	14.17%	1.069%
251	14.158	14.139	14.212	VV	7209	145279	6.80%	0.513%
252	14.215	14.212	14.217	VV	1368	3688	0.17%	0.013%
253	14.222	14.217	14.231	VV	1308	10024	0.47%	0.035%
254	14.235	14.231	14.249	VV	1127	10815	0.51%	0.038%
255	14.285	14.249	14.306	VV	2106	49948	2.34%	0.176%
256	14.311	14.306	14.333	VV	1376	17814	0.83%	0.063%
257	14.348	14.333	14.364	VV	1425	18304	0.86%	0.065%
258	14.380	14.364	14.409	VV	674	8976	0.42%	0.032%
259	14.437	14.409	14.452	PV	1572	25599	1.20%	0.090%
260	14.482	14.452	14.505	VV	2994	61448	2.88%	0.217%
261	14.538	14.505	14.547	VV	3954	66979	3.14%	0.237%
262	14.551	14.547	14.565	VV	3969	36125	1.69%	0.128%
263	14.596	14.565	14.629	VV	9179	187295	8.77%	0.662%
264	14.648	14.629	14.659	VV	3772	57695	2.70%	0.204%
265	14.681	14.659	14.730	VV	4503	124581	5.84%	0.440%
266	14.764	14.730	14.792	VV	12538	221557	10.38%	0.783%
267	14.819	14.792	14.857	VV	18893	348110	16.30%	1.230%
268	14.877	14.857	14.891	VV	7341	111990	5.25%	0.396%
269	14.907	14.891	14.952	VV	10221	205213	9.61%	0.725%
270	14.983	14.952	15.051	VV	101694	1468533	68.78%	5.188%
271	15.056	15.051	15.074	VV	751	4297	0.20%	0.015%
272	15.103	15.074	15.107	PV	5090	58631	2.75%	0.207%
273	15.133	15.107	15.153	VV	76979	1025365	48.03%	3.623%
274	15.174	15.153	15.232	VV	73510	1164290	54.53%	4.114%
275	15.239	15.232	15.264	VV	2169	29970	1.40%	0.106%
276	15.292	15.264	15.313	VV	13003	195454	9.15%	0.691%
277	15.327	15.313	15.369	VV	7045	149193	6.99%	0.527%
278	15.377	15.369	15.392	VV	1904	21739	1.02%	0.077%
279	15.408	15.392	15.426	VV	2465	35071	1.64%	0.124%
280	15.481	15.426	15.542	VV	7218	243545	11.41%	0.860%
281	15.569	15.542	15.662	VV	42630	871189	40.80%	3.078%
282	15.690	15.662	15.713	PV	3255	58149	2.72%	0.205%
283	15.722	15.713	15.749	VV	2369	27148	1.27%	0.096%
284	15.766	15.749	15.786	VV	3983	51221	2.40%	0.181%
285	15.812	15.786	15.836	VV	17308	253617	11.88%	0.896%
286	15.852	15.836	15.886	VV	7863	130194	6.10%	0.460%
287	15.922	15.886	15.932	VV	3176	68331	3.20%	0.241%
288	15.972	15.932	16.020	VV	8584	285776	13.39%	1.010%
289	16.045	16.020	16.070	VV	4179	80339	3.76%	0.284%
290	16.093	16.070	16.120	VV	2953	47323	2.22%	0.167%
291	16.139	16.120	16.156	VV	3164	39565	1.85%	0.140%
292	16.161	16.156	16.177	VV	1217	11640	0.55%	0.041%
293	16.182	16.177	16.187	PV	391	2259	0.11%	0.008%
294	16.225	16.187	16.231	VV	4862	73892	3.46%	0.261%
295	16.232	16.231	16.268	VV	4606	65959	3.09%	0.233%
296	16.279	16.268	16.299	VV	2551	30330	1.42%	0.107%
297	16.315	16.299	16.333	VV	1317	15523	0.73%	0.055%
298	16.352	16.333	16.369	VV	1127	9693	0.45%	0.034%
299	16.415	16.369	16.441	PV	4077	77845	3.65%	0.275%

rteres

300	16.461	16.441	16.479	PV	4712	73017	3.42%	0.258%
301	16.503	16.479	16.532	VV	8174	167434	7.84%	0.592%
302	16.611	16.532	16.641	VV	7117	262431	12.29%	0.927%
303	16.671	16.641	16.673	VV	5638	63845	2.99%	0.226%
304	16.702	16.673	16.721	VV	86804	1280306	59.97%	4.523%
305	16.730	16.721	16.773	VV	34437	509652	23.87%	1.801%
306	16.778	16.773	16.802	VV	3823	39921	1.87%	0.141%
307	16.836	16.802	16.890	VV	19626	352106	16.49%	1.244%
308	16.896	16.890	16.913	VV	1888	17112	0.80%	0.060%
309	16.939	16.913	16.944	PV	1051	7843	0.37%	0.028%
310	16.986	16.944	17.002	VV	11819	204252	9.57%	0.722%
311	17.025	17.002	17.057	VV	54124	758706	35.54%	2.681%
312	17.088	17.057	17.140	VV	60860	994241	46.57%	3.513%
313	17.146	17.140	17.156	VV	3774	30178	1.41%	0.107%
314	17.189	17.156	17.236	VV	22633	461132	21.60%	1.629%
315	17.240	17.236	17.249	VV	4199	26783	1.25%	0.095%
316	17.258	17.249	17.264	VV	4752	32653	1.53%	0.115%
317	17.265	17.264	17.279	VV	4191	24808	1.16%	0.088%
318	17.299	17.279	17.307	VV	2766	39510	1.85%	0.140%
319	17.338	17.307	17.375	VV	7735	211490	9.91%	0.747%
320	17.404	17.375	17.414	VV	5661	99110	4.64%	0.350%
321	17.475	17.414	17.517	VV	11964	397534	18.62%	1.405%
322	17.548	17.517	17.562	VV	7102	135689	6.36%	0.479%
323	17.579	17.562	17.597	VV	9080	171226	8.02%	0.605%
324	17.617	17.597	17.634	VV	10564	191007	8.95%	0.675%
325	17.648	17.634	17.666	VV	6791	114375	5.36%	0.404%
326	17.682	17.666	17.698	VV	9750	136628	6.40%	0.483%
327	17.716	17.698	17.734	VV	9622	157009	7.35%	0.555%
328	17.754	17.734	17.780	VV	9162	182833	8.56%	0.646%
329	17.790	17.780	17.802	VV	8159	89290	4.18%	0.315%
330	17.805	17.802	17.839	VV	6816	62160	2.91%	0.220%
331	17.850	17.839	17.854	PV	1708	8645	0.40%	0.031%
332	17.903	17.854	17.921	VV	3809	91589	4.29%	0.324%
333	17.949	17.921	17.973	PV	5086	71861	3.37%	0.254%
334	17.991	17.973	17.995	PV	1037	9259	0.43%	0.033%

Sum of corrected areas: 28303952

FG052225.M Thu Jun 05 06:14:02 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG060425\
Data File : FG015920.D
Signal(s) : FID1A.ch
Acq On : 04 Jun 2025 17:18
Operator : YP\AJ
Sample : Q2150-07
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
TP-51

Integration File: autoint1.e
Quant Time: Jun 05 05:36:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG052225.M
Quant Title :
QLast Update : Thu May 22 06:20:25 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : Rxi-1ms
Signal Info : 20mx0.18mmx0.18um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
9) S TETRACOSANE-d50 (SURR...	14.983	1311403	10.700 ug/ml
Target Compounds			

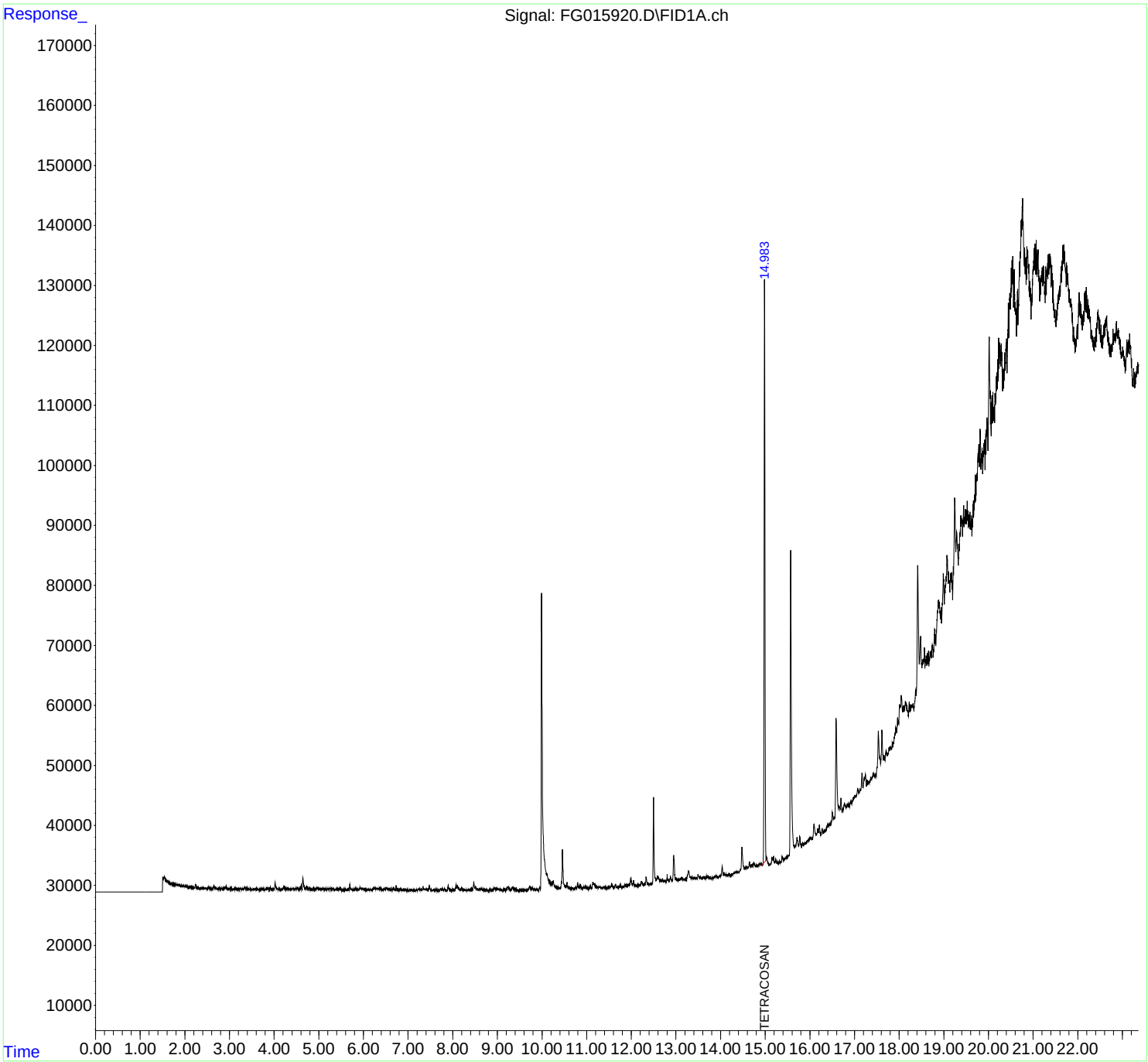
(f)=RT Delta > 1/2 Window (m)=manual int.

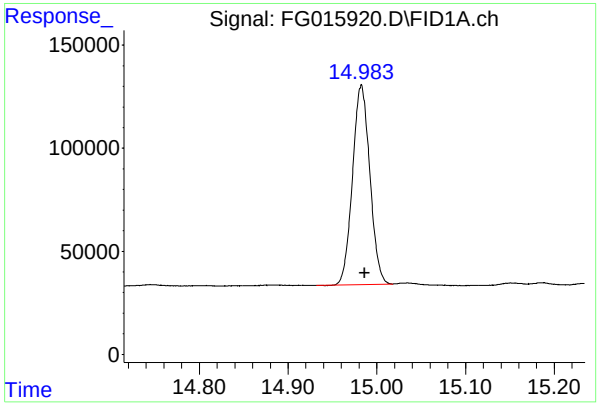
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG060425\
Data File : FG015920.D
Signal(s) : FID1A.ch
Acq On : 04 Jun 2025 17:18
Operator : YP\AJ
Sample : Q2150-07
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
TP-51

Integration File: autoint1.e
Quant Time: Jun 05 05:36:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG052225.M
Quant Title :
QLast Update : Thu May 22 06:20:25 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : Rxi-1ms
Signal Info : 20mx0.18mmx0.18um





#9 TETRACOSANE-d50 (SURROGATE)

R.T.: 14.983 min
Delta R.T.: -0.004 mi
Response: 1311403
Conc: 10.70 ug/m

Instrument :
FID_G
ClientSampleId :
TP-51

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG060425\
Data File : FG015920.D
Signal(s) : FID1A.ch
Acq On : 04 Jun 2025 17:18
Sample : Q2150-07
Misc :
ALS Vial : 29 Sample Multiplier: 1

Integration File: Sample.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG052225.M
Title :

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.313	4.300	4.328	BV	56	235	0.02%	0.003%
2	4.332	4.328	4.348	PV	100	312	0.02%	0.004%
3	4.353	4.348	4.357	PV	151	315	0.02%	0.004%
4	4.369	4.357	4.382	PV	102	800	0.06%	0.011%
5	4.394	4.382	4.403	VV	138	867	0.06%	0.012%
6	4.409	4.403	4.428	VV	144	1343	0.10%	0.019%
7	4.434	4.428	4.453	VV	166	1823	0.14%	0.025%
8	4.456	4.453	4.468	VV	134	599	0.04%	0.008%
9	4.485	4.468	4.490	PV	237	1860	0.14%	0.026%
10	4.493	4.490	4.506	VV	252	1478	0.11%	0.020%
11	4.530	4.506	4.553	VV	358	5455	0.41%	0.075%
12	4.555	4.553	4.576	VV	152	1171	0.09%	0.016%
13	4.606	4.576	4.622	VV	695	8757	0.65%	0.121%
14	4.644	4.622	4.698	VV	2023	36058	2.68%	0.497%
15	4.703	4.698	4.707	VV	259	1104	0.08%	0.015%
16	4.723	4.707	4.777	VV	528	13544	1.01%	0.187%
17	4.793	4.777	4.801	VV	227	2485	0.18%	0.034%
18	4.811	4.801	4.822	VV	177	1603	0.12%	0.022%
19	4.826	4.822	4.844	VV	153	1424	0.11%	0.020%
20	4.848	4.844	4.859	VV	115	738	0.05%	0.010%
21	4.882	4.859	4.898	VV	250	3584	0.27%	0.049%
22	4.911	4.898	4.932	VV	240	3569	0.27%	0.049%
23	4.935	4.932	4.939	VV	197	770	0.06%	0.011%
24	4.945	4.939	4.958	VV	350	3218	0.24%	0.044%
25	4.968	4.958	4.986	VV	331	4185	0.31%	0.058%
26	4.991	4.986	5.021	VV	273	4517	0.34%	0.062%
27	5.023	5.021	5.038	VV	184	1421	0.11%	0.020%
28	5.042	5.038	5.047	VV	165	894	0.07%	0.012%
29	5.053	5.047	5.062	VV	190	1258	0.09%	0.017%
30	5.066	5.062	5.087	VV	292	2801	0.21%	0.039%
31	5.098	5.087	5.123	VV	223	3350	0.25%	0.046%
32	5.153	5.123	5.174	VV	261	4624	0.34%	0.064%
33	5.195	5.174	5.229	VV	352	6738	0.50%	0.093%
34	5.244	5.229	5.272	VV	361	5718	0.42%	0.079%
35	5.281	5.272	5.307	VV	250	3659	0.27%	0.050%
36	5.326	5.307	5.343	VV	278	4536	0.34%	0.063%

rteres

37	5.346	5.343	5.365	VV	205	1927	0.14%	0.027%
38	5.368	5.365	5.383	VV	163	1220	0.09%	0.017%
39	5.414	5.383	5.432	VV	186	4031	0.30%	0.056%
40	5.435	5.432	5.448	VV	131	1262	0.09%	0.017%
41	5.469	5.448	5.474	VV	234	2520	0.19%	0.035%
42	5.491	5.474	5.521	VV	317	4878	0.36%	0.067%
43	5.529	5.521	5.537	VV	65	534	0.04%	0.007%
44	5.540	5.537	5.544	VV	74	294	0.02%	0.004%
45	5.549	5.544	5.553	VV	115	417	0.03%	0.006%
46	5.562	5.553	5.573	PV	139	1186	0.09%	0.016%
47	5.577	5.573	5.592	VV	166	1052	0.08%	0.015%
48	5.596	5.592	5.602	VV	111	530	0.04%	0.007%
49	5.618	5.602	5.623	VV	172	1373	0.10%	0.019%
50	5.628	5.623	5.641	VV	225	1741	0.13%	0.024%
51	5.663	5.641	5.677	VV	260	3191	0.24%	0.044%
52	5.696	5.677	5.720	VV	1046	11295	0.84%	0.156%
53	5.724	5.720	5.756	VV	242	3429	0.25%	0.047%
54	5.760	5.756	5.775	VV	167	1298	0.10%	0.018%
55	5.778	5.775	5.784	VV	102	461	0.03%	0.006%
56	5.792	5.784	5.807	VV	193	1624	0.12%	0.022%
57	5.836	5.807	5.850	VV	327	5159	0.38%	0.071%
58	5.862	5.850	5.870	VV	231	2039	0.15%	0.028%
59	5.876	5.870	5.886	VV	225	1369	0.10%	0.019%
60	5.925	5.886	5.941	VV	479	9789	0.73%	0.135%
61	5.946	5.941	5.963	VV	381	3968	0.29%	0.055%
62	5.980	5.963	6.012	VV	328	7376	0.55%	0.102%
63	6.020	6.012	6.075	VV	233	5164	0.38%	0.071%
64	6.080	6.075	6.085	VV	139	664	0.05%	0.009%
65	6.092	6.085	6.095	VV	174	644	0.05%	0.009%
66	6.105	6.095	6.127	VV	154	1772	0.13%	0.024%
67	6.130	6.127	6.156	VV	130	1748	0.13%	0.024%
68	6.160	6.156	6.170	VV	127	1017	0.08%	0.014%
69	6.174	6.170	6.180	VV	112	719	0.05%	0.010%
70	6.185	6.180	6.192	VV	172	893	0.07%	0.012%
71	6.201	6.192	6.208	VV	205	1740	0.13%	0.024%
72	6.231	6.208	6.258	VV	431	10103	0.75%	0.139%
73	6.268	6.258	6.282	VV	364	4440	0.33%	0.061%
74	6.287	6.282	6.300	VV	323	3218	0.24%	0.044%
75	6.308	6.300	6.321	VV	343	3689	0.27%	0.051%
76	6.330	6.321	6.335	VV	316	2373	0.18%	0.033%
77	6.339	6.335	6.344	VV	360	1539	0.11%	0.021%
78	6.354	6.344	6.364	VV	376	3312	0.25%	0.046%
79	6.379	6.364	6.400	VV	431	7283	0.54%	0.100%
80	6.408	6.400	6.423	VV	265	3264	0.24%	0.045%
81	6.431	6.423	6.436	VV	272	1633	0.12%	0.023%
82	6.450	6.436	6.474	VV	279	5415	0.40%	0.075%
83	6.505	6.474	6.536	VV	607	10981	0.82%	0.151%
84	6.556	6.536	6.580	VV	384	7202	0.54%	0.099%
85	6.584	6.580	6.605	VV	284	3002	0.22%	0.041%
86	6.609	6.605	6.625	VV	210	1927	0.14%	0.027%
87	6.651	6.625	6.655	VV	255	3679	0.27%	0.051%
88	6.663	6.655	6.671	VV	318	2339	0.17%	0.032%
89	6.674	6.671	6.692	VV	252	2724	0.20%	0.038%

rteres

90	6.700	6.692	6.708	VV	223	1712	0.13%	0.024%
91	6.732	6.708	6.780	VV	746	8319	0.62%	0.115%
92	6.787	6.780	6.796	VV	172	1409	0.10%	0.019%
93	6.818	6.796	6.876	VV	243	7927	0.59%	0.109%
94	6.906	6.876	6.914	VV	212	3576	0.27%	0.049%
95	6.934	6.914	6.945	VV	212	3189	0.24%	0.044%
96	6.956	6.945	6.976	VV	191	2621	0.19%	0.036%
97	6.980	6.976	6.993	VV	132	1107	0.08%	0.015%
98	6.998	6.993	7.021	VV	195	1502	0.11%	0.021%
99	7.053	7.021	7.070	VV	189	2969	0.22%	0.041%
100	7.107	7.070	7.137	VV	205	4182	0.31%	0.058%
101	7.141	7.137	7.150	VV	70	526	0.04%	0.007%
102	7.154	7.150	7.161	VV	145	558	0.04%	0.008%
103	7.174	7.161	7.179	VV	123	1048	0.08%	0.014%
104	7.182	7.179	7.188	VV	122	594	0.04%	0.008%
105	7.194	7.188	7.211	VV	193	1977	0.15%	0.027%
106	7.226	7.211	7.231	VV	274	2535	0.19%	0.035%
107	7.238	7.231	7.257	VV	283	3782	0.28%	0.052%
108	7.261	7.257	7.266	VV	247	1114	0.08%	0.015%
109	7.272	7.266	7.279	VV	271	1589	0.12%	0.022%
110	7.289	7.279	7.310	VV	277	4106	0.31%	0.057%
111	7.314	7.310	7.321	VV	240	1236	0.09%	0.017%
112	7.337	7.321	7.355	VV	749	9554	0.71%	0.132%
113	7.370	7.355	7.377	VV	288	3486	0.26%	0.048%
114	7.387	7.377	7.396	VV	321	2767	0.21%	0.038%
115	7.400	7.396	7.415	VV	252	2434	0.18%	0.034%
116	7.425	7.415	7.439	VV	260	2851	0.21%	0.039%
117	7.449	7.439	7.465	VV	416	4649	0.35%	0.064%
118	7.482	7.465	7.503	VV	866	11046	0.82%	0.152%
119	7.507	7.503	7.527	VV	246	2493	0.19%	0.034%
120	7.533	7.527	7.542	VV	179	1436	0.11%	0.020%
121	7.547	7.542	7.553	VV	212	971	0.07%	0.013%
122	7.558	7.553	7.563	VV	150	905	0.07%	0.012%
123	7.567	7.563	7.597	VV	162	2299	0.17%	0.032%
124	7.602	7.597	7.606	VV	166	695	0.05%	0.010%
125	7.622	7.606	7.669	VV	279	6164	0.46%	0.085%
126	7.677	7.669	7.699	VV	118	1652	0.12%	0.023%
127	7.732	7.699	7.752	PV	502	6560	0.49%	0.090%
128	7.765	7.752	7.804	VV	386	8131	0.60%	0.112%
129	7.818	7.804	7.842	VV	423	5425	0.40%	0.075%
130	7.856	7.842	7.868	VV	124	1312	0.10%	0.018%
131	7.901	7.868	7.953	VV	1015	16372	1.22%	0.226%
132	7.957	7.953	7.961	VV	113	405	0.03%	0.006%
133	7.986	7.961	7.992	VV	232	2458	0.18%	0.034%
134	8.005	7.992	8.037	VV	344	6210	0.46%	0.086%
135	8.074	8.037	8.089	VV	1010	15685	1.17%	0.216%
136	8.103	8.089	8.174	VV	940	23789	1.77%	0.328%
137	8.204	8.174	8.232	VV	533	11229	0.83%	0.155%
138	8.245	8.232	8.287	VV	275	6215	0.46%	0.086%
139	8.293	8.287	8.312	VV	173	2009	0.15%	0.028%
140	8.316	8.312	8.352	VV	169	3673	0.27%	0.051%
141	8.360	8.352	8.378	VV	176	2498	0.19%	0.034%

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142	8.404	8.378	8.420	VV	437	6803	0.51%	0.094%
143	8.425	8.420	8.439	VV	248	2604	0.19%	0.036%
144	8.472	8.439	8.497	VV	1433	25387	1.89%	0.350%
145	8.504	8.497	8.559	VV	602	14059	1.04%	0.194%
146	8.575	8.559	8.579	VV	284	2860	0.21%	0.039%
147	8.585	8.579	8.594	VV	336	2284	0.17%	0.031%
148	8.637	8.594	8.662	VV	368	11483	0.85%	0.158%
149	8.666	8.662	8.685	VV	294	3307	0.25%	0.046%
150	8.690	8.685	8.702	VV	257	1893	0.14%	0.026%
151	8.707	8.702	8.733	VV	205	2576	0.19%	0.036%
152	8.739	8.733	8.772	VV	195	3285	0.24%	0.045%
153	8.779	8.772	8.807	VV	171	1550	0.12%	0.021%
154	8.826	8.807	8.832	PV	193	1287	0.10%	0.018%
155	8.837	8.832	8.844	VV	188	873	0.06%	0.012%
156	8.866	8.844	8.874	VV	172	2294	0.17%	0.032%
157	8.879	8.874	8.882	VV	148	460	0.03%	0.006%
158	8.919	8.882	8.924	VV	380	4417	0.33%	0.061%
159	8.943	8.924	8.966	VV	495	9541	0.71%	0.132%
160	8.994	8.966	8.999	VV	416	5819	0.43%	0.080%
161	9.002	8.999	9.034	VV	352	5494	0.41%	0.076%
162	9.042	9.034	9.074	VV	306	4778	0.36%	0.066%
163	9.093	9.074	9.122	VV	191	3751	0.28%	0.052%
164	9.134	9.122	9.139	VV	239	1834	0.14%	0.025%
165	9.156	9.139	9.182	VV	272	4744	0.35%	0.065%
166	9.200	9.182	9.208	VV	256	2962	0.22%	0.041%
167	9.233	9.208	9.258	VV	656	13907	1.03%	0.192%
168	9.262	9.258	9.299	VV	437	5793	0.43%	0.080%
169	9.304	9.299	9.308	VV	175	704	0.05%	0.010%
170	9.343	9.308	9.404	VV	631	17675	1.31%	0.244%
171	9.410	9.404	9.420	VV	168	850	0.06%	0.012%
172	9.427	9.420	9.442	VV	341	1406	0.10%	0.019%
173	9.462	9.442	9.488	PV	106	1448	0.11%	0.020%
174	9.493	9.488	9.507	VV	89	636	0.05%	0.009%
175	9.515	9.507	9.528	VV	183	1727	0.13%	0.024%
176	9.530	9.528	9.552	VV	175	1671	0.12%	0.023%
177	9.566	9.552	9.574	VV	115	998	0.07%	0.014%
178	9.589	9.574	9.597	VV	111	987	0.07%	0.014%
179	9.613	9.597	9.625	VV	136	1276	0.09%	0.018%
180	9.630	9.625	9.652	VV	126	907	0.07%	0.013%
181	9.656	9.652	9.680	VV	113	1028	0.08%	0.014%
182	9.721	9.680	9.769	VV	712	20011	1.49%	0.276%
183	9.773	9.769	9.837	VV	381	10162	0.76%	0.140%
184	9.843	9.837	9.860	VV	208	2345	0.17%	0.032%
185	9.869	9.860	9.874	VV	202	1328	0.10%	0.018%
186	9.877	9.874	9.929	VV	234	2795	0.21%	0.039%
187	9.949	9.929	9.964	PV	528	6012	0.45%	0.083%
188	9.990	9.964	10.105	VV	49613	1026905	76.31%	14.157%
189	10.111	10.105	10.225	VV	2698	112274	8.34%	1.548%
190	10.228	10.225	10.230	VV	1079	3056	0.23%	0.042%
191	10.251	10.230	10.309	VV	1492	42376	3.15%	0.584%
192	10.316	10.309	10.335	VV	456	6606	0.49%	0.091%
193	10.339	10.335	10.344	VV	436	2005	0.15%	0.028%
194	10.351	10.344	10.373	VV	410	6092	0.45%	0.084%

rteres

195	10.378	10.373	10.395	VV	323	3518	0.26%	0.048%
196	10.402	10.395	10.412	VV	308	2897	0.22%	0.040%
197	10.459	10.412	10.525	VV	6697	122956	9.14%	1.695%
198	10.530	10.525	10.532	VV	479	1790	0.13%	0.025%
199	10.561	10.532	10.599	VV	1227	23928	1.78%	0.330%
200	10.604	10.599	10.623	VV	391	4023	0.30%	0.055%
201	10.638	10.623	10.661	VV	230	3803	0.28%	0.052%
202	10.676	10.661	10.697	VV	238	3550	0.26%	0.049%
203	10.709	10.697	10.718	VV	159	1642	0.12%	0.023%
204	10.757	10.718	10.780	VV	319	8085	0.60%	0.111%
205	10.801	10.780	10.824	VV	1113	16080	1.19%	0.222%
206	10.829	10.824	10.838	VV	347	2752	0.20%	0.038%
207	10.858	10.838	10.885	VV	784	12273	0.91%	0.169%
208	10.888	10.885	10.899	VV	186	1110	0.08%	0.015%
209	10.930	10.899	10.942	VV	352	6020	0.45%	0.083%
210	10.960	10.942	10.973	VV	322	5611	0.42%	0.077%
211	10.981	10.973	11.002	VV	425	4965	0.37%	0.068%
212	11.009	11.002	11.029	VV	167	1619	0.12%	0.022%
213	11.036	11.029	11.047	VV	176	1333	0.10%	0.018%
214	11.050	11.047	11.056	VV	175	674	0.05%	0.009%
215	11.082	11.056	11.114	VV	632	8796	0.65%	0.121%
216	11.141	11.114	11.149	PV	1013	12548	0.93%	0.173%
217	11.154	11.149	11.218	VV	948	25344	1.88%	0.349%
218	11.235	11.218	11.245	VV	382	5065	0.38%	0.070%
219	11.248	11.245	11.264	VV	271	2307	0.17%	0.032%
220	11.297	11.264	11.304	VV	306	5215	0.39%	0.072%
221	11.307	11.304	11.322	VV	248	1995	0.15%	0.028%
222	11.331	11.322	11.343	VV	195	1486	0.11%	0.020%
223	11.345	11.343	11.360	VV	118	862	0.06%	0.012%
224	11.382	11.360	11.389	VV	219	2636	0.20%	0.036%
225	11.391	11.389	11.404	VV	192	1096	0.08%	0.015%
226	11.424	11.404	11.459	VV	191	3123	0.23%	0.043%
227	11.472	11.459	11.475	VV	132	865	0.06%	0.012%
228	11.500	11.475	11.525	VV	268	5395	0.40%	0.074%
229	11.540	11.525	11.545	VV	316	2682	0.20%	0.037%
230	11.563	11.545	11.599	VV	720	12184	0.91%	0.168%
231	11.601	11.599	11.621	VV	140	1485	0.11%	0.020%
232	11.643	11.621	11.677	VV	601	10245	0.76%	0.141%
233	11.684	11.677	11.689	VV	81	492	0.04%	0.007%
234	11.693	11.689	11.697	VV	89	262	0.02%	0.004%
235	11.701	11.697	11.703	PV	76	178	0.01%	0.002%
236	11.721	11.703	11.736	VV	336	3540	0.26%	0.049%
237	11.756	11.736	11.787	VV	618	7715	0.57%	0.106%
238	11.804	11.787	11.822	PV	174	2432	0.18%	0.034%
239	11.870	11.822	11.902	VV	403	11337	0.84%	0.156%
240	11.913	11.902	11.924	VV	309	3199	0.24%	0.044%
241	11.948	11.924	11.965	VV	397	7547	0.56%	0.104%
242	11.987	11.965	12.029	VV	1410	28510	2.12%	0.393%
243	12.047	12.029	12.101	VV	969	16526	1.23%	0.228%
244	12.114	12.101	12.145	VV	164	2336	0.17%	0.032%
245	12.149	12.145	12.160	VV	111	772	0.06%	0.011%
246	12.168	12.160	12.184	VV	206	1967	0.15%	0.027%

rteres

247	12.186	12.184	12.192	VV	122	396	0.03%	0.005%
248	12.231	12.192	12.270	PV	684	15302	1.14%	0.211%
249	12.288	12.270	12.309	VV	253	3750	0.28%	0.052%
250	12.332	12.309	12.390	VV	1390	23137	1.72%	0.319%
251	12.405	12.390	12.417	VV	173	2122	0.16%	0.029%
252	12.430	12.417	12.437	VV	188	1525	0.11%	0.021%
253	12.442	12.437	12.449	VV	136	715	0.05%	0.010%
254	12.496	12.449	12.565	VV	14561	203785	15.14%	2.809%
255	12.589	12.565	12.607	VV	1365	25181	1.87%	0.347%
256	12.616	12.607	12.639	VV	1007	15015	1.12%	0.207%
257	12.659	12.639	12.680	VV	666	13328	0.99%	0.184%
258	12.704	12.680	12.724	VV	571	12086	0.90%	0.167%
259	12.751	12.724	12.779	VV	452	11640	0.87%	0.160%
260	12.804	12.779	12.845	VV	1299	22266	1.65%	0.307%
261	12.876	12.845	12.921	VV	995	25537	1.90%	0.352%
262	12.949	12.921	13.037	VV	4544	101470	7.54%	1.399%
263	13.051	13.037	13.067	VV	390	5687	0.42%	0.078%
264	13.133	13.067	13.171	VV	688	27247	2.02%	0.376%
265	13.176	13.171	13.189	VV	370	3351	0.25%	0.046%
266	13.193	13.189	13.197	VV	376	1633	0.12%	0.023%
267	13.201	13.197	13.219	VV	346	4091	0.30%	0.056%
268	13.283	13.219	13.343	VV	1661	59561	4.43%	0.821%
269	13.369	13.343	13.387	VV	511	11660	0.87%	0.161%
270	13.392	13.387	13.402	VV	351	2809	0.21%	0.039%
271	13.426	13.402	13.440	VV	417	7967	0.59%	0.110%
272	13.448	13.440	13.472	VV	366	5217	0.39%	0.072%
273	13.495	13.472	13.531	VV	889	18839	1.40%	0.260%
274	13.544	13.531	13.572	VV	448	7715	0.57%	0.106%
275	13.593	13.572	13.600	VV	291	3742	0.28%	0.052%
276	13.625	13.600	13.655	VV	447	9369	0.70%	0.129%
277	13.676	13.655	13.681	VV	350	3712	0.28%	0.051%
278	13.684	13.681	13.688	VV	273	904	0.07%	0.012%
279	13.711	13.688	13.747	VV	424	10904	0.81%	0.150%
280	13.758	13.747	13.784	VV	245	3348	0.25%	0.046%
281	13.799	13.784	13.804	PV	96	441	0.03%	0.006%
282	13.853	13.804	13.858	VV	142	1864	0.14%	0.026%
283	13.899	13.858	13.927	VV	359	9719	0.72%	0.134%
284	13.932	13.927	13.945	VV	182	1344	0.10%	0.019%
285	13.978	13.945	13.992	VV	188	3127	0.23%	0.043%
286	14.035	13.992	14.059	VV	1753	28479	2.12%	0.393%
287	14.079	14.059	14.102	VV	651	10185	0.76%	0.140%
288	14.116	14.102	14.121	VV	320	2746	0.20%	0.038%
289	14.126	14.121	14.154	VV	288	3662	0.27%	0.050%
290	14.158	14.154	14.165	VV	130	603	0.04%	0.008%
291	14.171	14.165	14.174	VV	131	469	0.03%	0.006%
292	14.178	14.174	14.184	VV	163	622	0.05%	0.009%
293	14.192	14.184	14.212	VV	221	1976	0.15%	0.027%
294	14.215	14.212	14.221	VV	88	316	0.02%	0.004%
295	14.227	14.221	14.232	PV	145	520	0.04%	0.007%
296	14.239	14.232	14.249	VV	107	520	0.04%	0.007%
297	14.252	14.249	14.256	VV	165	292	0.02%	0.004%
298	14.259	14.256	14.262	PV	107	252	0.02%	0.003%
299	14.305	14.262	14.310	VV	323	5846	0.43%	0.081%

rteres

300	14.323	14.310	14.335	VV	341	4119	0.31%	0.057%
301	14.340	14.335	14.353	VV	361	3020	0.22%	0.042%
302	14.359	14.353	14.364	VV	343	1894	0.14%	0.026%
303	14.370	14.364	14.391	VV	293	3746	0.28%	0.052%
304	14.397	14.391	14.403	VV	186	1282	0.10%	0.018%
305	14.476	14.403	14.545	VV	4227	105806	7.86%	1.459%
306	14.554	14.545	14.558	VV	638	4391	0.33%	0.061%
307	14.576	14.558	14.619	VV	724	22763	1.69%	0.314%
308	14.644	14.619	14.667	VV	1506	27526	2.05%	0.379%
309	14.682	14.667	14.697	VV	849	13313	0.99%	0.184%
310	14.708	14.697	14.714	VV	742	7176	0.53%	0.099%
311	14.745	14.714	14.785	VV	1196	33369	2.48%	0.460%
312	14.806	14.785	14.825	VV	609	12381	0.92%	0.171%
313	14.881	14.825	14.907	VV	765	26733	1.99%	0.369%
314	14.917	14.907	14.942	VV	551	10034	0.75%	0.138%
315	14.983	14.942	15.019	VV	97152	1345645	100.00%	18.551%
316	15.034	15.019	15.069	VV	1457	27784	2.06%	0.383%
317	15.072	15.069	15.099	VV	344	3038	0.23%	0.042%
318	15.152	15.099	15.170	VV	1183	21460	1.59%	0.296%
319	15.187	15.170	15.217	VV	1220	19513	1.45%	0.269%
320	15.233	15.217	15.270	VV	828	11771	0.87%	0.162%
321	15.276	15.270	15.300	PV	107	1375	0.10%	0.019%
322	15.307	15.300	15.312	VV	107	556	0.04%	0.008%
323	15.323	15.312	15.340	VV	110	1150	0.09%	0.016%
324	15.379	15.340	15.423	PV	751	10930	0.81%	0.151%
325	15.528	15.423	15.533	VV	235	7810	0.58%	0.108%
326	15.568	15.533	15.654	VV	50918	902236	67.05%	12.438%
327	15.712	15.654	15.748	VV	2284	71981	5.35%	0.992%
328	15.773	15.748	15.810	VV	2140	39365	2.93%	0.543%
329	15.840	15.810	15.859	VV	747	13899	1.03%	0.192%
330	15.910	15.859	15.915	VV	375	10654	0.79%	0.147%
331	16.019	15.915	16.024	VV	581	31333	2.33%	0.432%
332	16.027	16.024	16.054	VV	498	5836	0.43%	0.080%
333	16.092	16.054	16.152	VV	2460	62037	4.61%	0.855%
334	16.174	16.152	16.190	VV	1349	20302	1.51%	0.280%
335	16.211	16.190	16.241	VV	1775	26591	1.98%	0.367%
336	16.275	16.241	16.294	VV	781	10429	0.78%	0.144%
337	16.332	16.294	16.337	PV	119	2004	0.15%	0.028%
338	16.356	16.337	16.364	VV	175	1048	0.08%	0.014%
339	16.413	16.364	16.418	PV	545	13799	1.03%	0.190%
340	16.421	16.418	16.428	VV	475	2486	0.18%	0.034%
341	16.448	16.428	16.461	VV	491	7322	0.54%	0.101%
342	16.502	16.461	16.527	VV	1997	37854	2.81%	0.522%
343	16.586	16.527	16.637	VV	16896	351695	26.14%	4.848%
344	16.656	16.637	16.674	VV	1817	35344	2.63%	0.487%
345	16.695	16.674	16.725	VV	2862	48669	3.62%	0.671%
346	16.771	16.725	16.810	VV	1416	43475	3.23%	0.599%
347	16.849	16.810	16.863	VV	647	17325	1.29%	0.239%
348	16.872	16.863	16.886	VV	422	3510	0.26%	0.048%
349	16.927	16.886	16.939	PV	496	12206	0.91%	0.168%
350	16.972	16.939	16.985	VV	831	14561	1.08%	0.201%
351	17.002	16.985	17.022	VV	821	13815	1.03%	0.190%

rteres

352	17.067	17.022	17.105	VV	1460	39724	2.95%	0.548%
353	17.123	17.105	17.139	VV	926	14007	1.04%	0.193%
354	17.166	17.139	17.184	VV	3250	46230	3.44%	0.637%
355	17.189	17.184	17.194	VV	783	4566	0.34%	0.063%
356	17.244	17.194	17.265	VV	2405	65516	4.87%	0.903%
357	17.287	17.265	17.298	VV	979	11976	0.89%	0.165%
358	17.321	17.298	17.330	VV	516	6827	0.51%	0.094%
359	17.362	17.330	17.370	VV	895	11069	0.82%	0.153%
360	17.395	17.370	17.400	VV	639	9262	0.69%	0.128%
361	17.415	17.400	17.424	VV	1066	12300	0.91%	0.170%
362	17.432	17.424	17.454	VV	900	10191	0.76%	0.140%
363	17.476	17.454	17.487	VV	401	4851	0.36%	0.067%
364	17.500	17.487	17.505	PV	1329	9126	0.68%	0.126%
365	17.532	17.505	17.583	VV	6967	150187	11.16%	2.070%
366	17.613	17.583	17.642	VV	6081	98144	7.29%	1.353%
367	17.650	17.642	17.655	VV	1000	6631	0.49%	0.091%
368	17.663	17.655	17.684	VV	1177	9684	0.72%	0.134%
369	17.707	17.684	17.725	VV	1398	21782	1.62%	0.300%
370	17.734	17.725	17.749	VV	546	6190	0.46%	0.085%
371	17.769	17.749	17.777	VV	1089	10014	0.74%	0.138%
372	17.788	17.777	17.794	VV	916	7174	0.53%	0.099%
373	17.802	17.794	17.807	VV	741	4904	0.36%	0.068%
374	17.814	17.807	17.832	VV	572	5508	0.41%	0.076%
375	17.846	17.832	17.855	PV	991	6923	0.51%	0.095%
376	17.870	17.855	17.877	PV	353	2468	0.18%	0.034%
377	17.922	17.877	17.942	VV	1486	29379	2.18%	0.405%
378	17.963	17.942	17.973	PV	1711	14630	1.09%	0.202%
379	17.985	17.973	17.992	VV	401	3988	0.30%	0.055%

Sum of corrected areas: 7253907

FG052225.M Thu Jun 05 06:14:40 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG060425\
Data File : FG015921.D
Signal(s) : FID1A.ch
Acq On : 04 Jun 2025 17:47
Operator : YP\AJ
Sample : Q2150-08
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
TP-52

Integration File: autoint1.e
Quant Time: Jun 05 05:37:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG052225.M
Quant Title :
QLast Update : Thu May 22 06:20:25 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : Rxi-1ms
Signal Info : 20mx0.18mmx0.18um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
9) S TETRACOSANE-d50 (SURR...	14.985	1890840	15.428 ug/ml
Target Compounds			

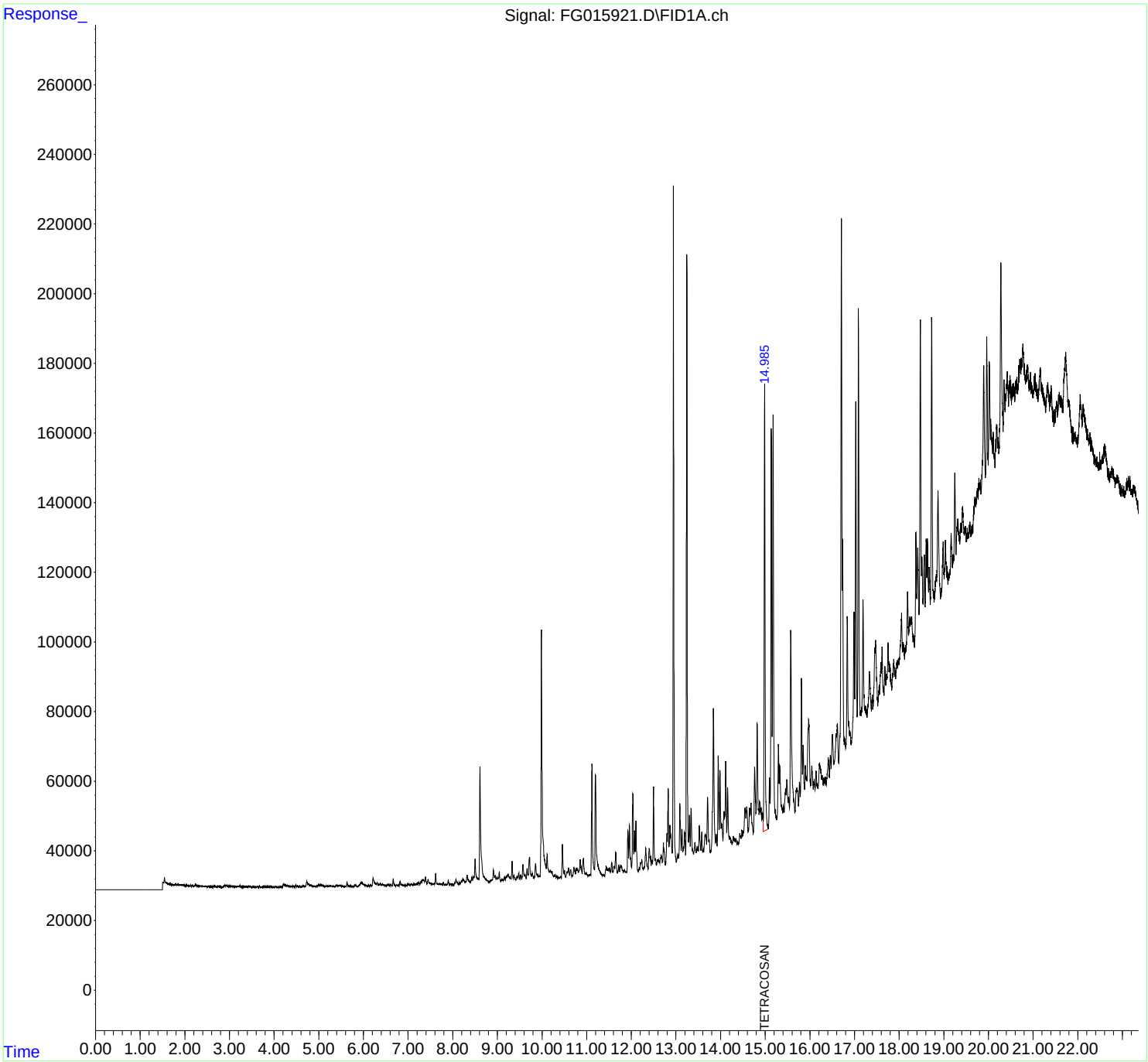
(f)=RT Delta > 1/2 Window (m)=manual int.

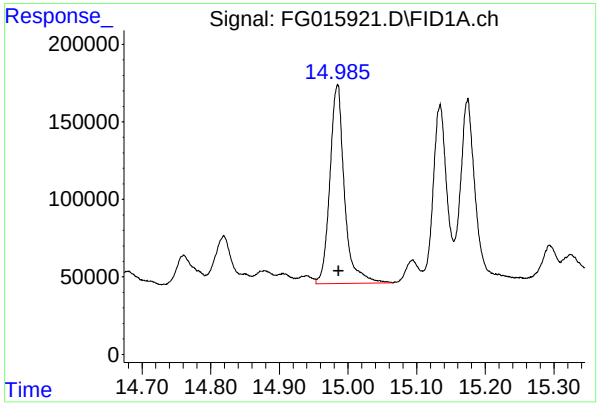
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG060425\
Data File : FG015921.D
Signal(s) : FID1A.ch
Acq On : 04 Jun 2025 17:47
Operator : YP\AJ
Sample : Q2150-08
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
TP-52

Integration File: autoint1.e
Quant Time: Jun 05 05:37:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG052225.M
Quant Title :
QLast Update : Thu May 22 06:20:25 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : Rxi-1ms
Signal Info : 20mx0.18mmx0.18um





#9 TETRACOSANE-d50 (SURROGATE)

R.T.: 14.985 min
Delta R.T.: -0.001 mi
Response: 1890840
Conc: 15.43 ug/m

Instrument :
FID_G
ClientSampleId :
TP-52

11

A B C D E F G H I J

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG060425\
Data File : FG015921.D
Signal(s) : FID1A.ch
Acq On : 04 Jun 2025 17:47
Sample : Q2150-08
Misc :
ALS Vial : 30 Sample Multiplier: 1

Integration File: Sample.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG052225.M
Title :

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.314	4.300	4.336	BV	36	151	0.01%	0.000%
2	4.350	4.336	4.372	PV	140	1855	0.08%	0.004%
3	4.378	4.372	4.409	VV	123	1443	0.06%	0.003%
4	4.416	4.409	4.420	PV	130	474	0.02%	0.001%
5	4.437	4.420	4.447	VV	149	1453	0.06%	0.003%
6	4.450	4.447	4.460	VV	112	516	0.02%	0.001%
7	4.488	4.460	4.508	PV	524	7676	0.32%	0.017%
8	4.528	4.508	4.561	VV	209	4387	0.18%	0.010%
9	4.568	4.561	4.589	VV	160	1490	0.06%	0.003%
10	4.609	4.589	4.630	VV	189	2262	0.09%	0.005%
11	4.654	4.630	4.678	VV	361	6265	0.26%	0.014%
12	4.681	4.678	4.695	VV	188	1227	0.05%	0.003%
13	4.697	4.695	4.703	VV	191	582	0.02%	0.001%
14	4.731	4.703	4.760	VV	1527	32810	1.37%	0.073%
15	4.770	4.760	4.821	VV	957	22940	0.96%	0.051%
16	4.825	4.821	4.846	VV	453	5533	0.23%	0.012%
17	4.851	4.846	4.872	VV	370	4108	0.17%	0.009%
18	4.884	4.872	4.910	VV	271	5562	0.23%	0.012%
19	4.924	4.910	4.938	VV	292	4069	0.17%	0.009%
20	4.958	4.938	4.971	VV	304	5138	0.21%	0.011%
21	4.996	4.971	5.010	VV	650	10890	0.46%	0.024%
22	5.015	5.010	5.019	VV	443	2427	0.10%	0.005%
23	5.047	5.019	5.088	VV	614	20199	0.85%	0.045%
24	5.092	5.088	5.127	VV	402	6401	0.27%	0.014%
25	5.141	5.127	5.152	VV	257	3488	0.15%	0.008%
26	5.164	5.152	5.188	VV	391	6044	0.25%	0.013%
27	5.200	5.188	5.216	VV	317	3672	0.15%	0.008%
28	5.244	5.216	5.256	VV	418	6160	0.26%	0.014%
29	5.266	5.256	5.277	VV	377	4216	0.18%	0.009%
30	5.282	5.277	5.297	VV	369	3598	0.15%	0.008%
31	5.312	5.297	5.343	VV	415	6880	0.29%	0.015%
32	5.348	5.343	5.360	VV	143	1112	0.05%	0.002%
33	5.388	5.360	5.391	VV	489	6074	0.25%	0.013%
34	5.399	5.391	5.429	VV	506	8268	0.35%	0.018%
35	5.447	5.429	5.452	VV	349	4391	0.18%	0.010%
36	5.472	5.452	5.481	VV	525	7361	0.31%	0.016%

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37	5.486	5.481	5.503	VV	437	4528	0.19%	0.010%
38	5.508	5.503	5.520	VV	311	2501	0.10%	0.006%
39	5.524	5.520	5.549	VV	265	3235	0.14%	0.007%
40	5.554	5.549	5.557	VV	231	717	0.03%	0.002%
41	5.573	5.557	5.605	VV	257	4295	0.18%	0.010%
42	5.635	5.605	5.682	PV	1366	22688	0.95%	0.050%
43	5.701	5.682	5.711	VV	331	4134	0.17%	0.009%
44	5.722	5.711	5.742	VV	309	4637	0.19%	0.010%
45	5.752	5.742	5.773	VV	272	3532	0.15%	0.008%
46	5.809	5.773	5.849	VV	635	15131	0.63%	0.034%
47	5.862	5.849	5.869	VV	202	1873	0.08%	0.004%
48	5.952	5.869	6.032	VV	1250	64556	2.70%	0.143%
49	6.035	6.032	6.061	VV	445	6085	0.25%	0.014%
50	6.066	6.061	6.078	VV	282	2631	0.11%	0.006%
51	6.083	6.078	6.093	VV	176	1529	0.06%	0.003%
52	6.110	6.093	6.132	VV	374	5183	0.22%	0.012%
53	6.160	6.132	6.181	VV	374	6859	0.29%	0.015%
54	6.217	6.181	6.285	VV	2422	73751	3.09%	0.164%
55	6.308	6.285	6.334	VV	1027	22317	0.93%	0.050%
56	6.350	6.334	6.357	VV	545	6721	0.28%	0.015%
57	6.378	6.357	6.404	VV	844	16889	0.71%	0.038%
58	6.409	6.404	6.416	VV	426	2627	0.11%	0.006%
59	6.428	6.416	6.480	VV	629	15490	0.65%	0.034%
60	6.487	6.480	6.515	VV	340	4716	0.20%	0.010%
61	6.538	6.515	6.547	VV	510	6487	0.27%	0.014%
62	6.557	6.547	6.586	VV	482	7997	0.33%	0.018%
63	6.620	6.586	6.645	VV	458	11033	0.46%	0.025%
64	6.668	6.645	6.721	VV	2075	30994	1.30%	0.069%
65	6.745	6.721	6.760	VV	324	5471	0.23%	0.012%
66	6.765	6.760	6.779	VV	276	1808	0.08%	0.004%
67	6.792	6.779	6.800	VV	281	2706	0.11%	0.006%
68	6.821	6.800	6.842	VV	1362	16951	0.71%	0.038%
69	6.857	6.842	6.880	VV	536	7973	0.33%	0.018%
70	6.892	6.880	6.909	VV	297	3149	0.13%	0.007%
71	6.922	6.909	6.935	VV	244	2357	0.10%	0.005%
72	6.957	6.935	6.975	VV	262	3307	0.14%	0.007%
73	6.993	6.975	7.022	VV	646	10772	0.45%	0.024%
74	7.027	7.022	7.042	VV	332	3245	0.14%	0.007%
75	7.076	7.042	7.110	VV	575	14726	0.62%	0.033%
76	7.131	7.110	7.152	VV	519	9474	0.40%	0.021%
77	7.166	7.152	7.173	VV	486	4491	0.19%	0.010%
78	7.201	7.173	7.222	VV	781	16366	0.68%	0.036%
79	7.239	7.222	7.266	VV	1012	19872	0.83%	0.044%
80	7.290	7.266	7.302	VV	1367	21250	0.89%	0.047%
81	7.323	7.302	7.340	VV	1820	35039	1.47%	0.078%
82	7.349	7.340	7.371	VV	1719	26790	1.12%	0.060%
83	7.390	7.371	7.428	VV	2482	47539	1.99%	0.106%
84	7.450	7.428	7.478	VV	1747	33690	1.41%	0.075%
85	7.489	7.478	7.503	VV	844	10645	0.45%	0.024%
86	7.511	7.503	7.540	VV	647	10334	0.43%	0.023%
87	7.544	7.540	7.548	VV	384	1823	0.08%	0.004%
88	7.556	7.548	7.569	VV	496	5640	0.24%	0.013%
89	7.576	7.569	7.588	VV	513	5144	0.22%	0.011%

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90	7.619	7.588	7.671	VV	3507	55267	2.31%	0.123%
91	7.678	7.671	7.696	VV	481	6257	0.26%	0.014%
92	7.702	7.696	7.720	VV	470	5413	0.23%	0.012%
93	7.746	7.720	7.772	VV	437	10139	0.42%	0.023%
94	7.793	7.772	7.819	VV	810	12339	0.52%	0.027%
95	7.841	7.819	7.860	VV	311	4616	0.19%	0.010%
96	7.900	7.860	7.928	VV	1421	20163	0.84%	0.045%
97	7.957	7.928	7.976	VV	485	7875	0.33%	0.018%
98	7.989	7.976	8.019	VV	346	4470	0.19%	0.010%
99	8.049	8.019	8.058	PV	692	8787	0.37%	0.020%
100	8.074	8.058	8.133	VV	1678	36046	1.51%	0.080%
101	8.151	8.133	8.167	VV	701	10198	0.43%	0.023%
102	8.194	8.167	8.207	VV	1142	17586	0.74%	0.039%
103	8.231	8.207	8.243	VV	1501	25785	1.08%	0.057%
104	8.248	8.243	8.272	VV	1332	18159	0.76%	0.040%
105	8.290	8.272	8.301	VV	864	13393	0.56%	0.030%
106	8.321	8.301	8.364	VV	2584	59729	2.50%	0.133%
107	8.369	8.364	8.397	VV	1029	15542	0.65%	0.035%
108	8.429	8.397	8.447	VV	1923	38550	1.61%	0.086%
109	8.471	8.447	8.482	VV	2168	36234	1.52%	0.081%
110	8.503	8.482	8.565	VV	7152	149568	6.26%	0.332%
111	8.576	8.565	8.588	VV	1450	18398	0.77%	0.041%
112	8.612	8.588	8.732	VV	33446	680726	28.49%	1.513%
113	8.750	8.732	8.820	VV	1174	38364	1.61%	0.085%
114	8.833	8.820	8.847	VV	603	7865	0.33%	0.017%
115	8.860	8.847	8.873	VV	841	10990	0.46%	0.024%
116	8.884	8.873	8.890	VV	917	8538	0.36%	0.019%
117	8.913	8.890	8.942	VV	3661	67298	2.82%	0.150%
118	8.953	8.942	8.978	VV	2048	32022	1.34%	0.071%
119	8.994	8.978	9.008	VV	1484	22074	0.92%	0.049%
120	9.019	9.008	9.027	VV	1349	14129	0.59%	0.031%
121	9.044	9.027	9.078	VV	2926	43945	1.84%	0.098%
122	9.100	9.078	9.110	VV	778	11350	0.47%	0.025%
123	9.121	9.110	9.136	VV	814	10044	0.42%	0.022%
124	9.158	9.136	9.178	VV	1446	25882	1.08%	0.058%
125	9.242	9.178	9.278	VV	2096	90063	3.77%	0.200%
126	9.282	9.278	9.308	VV	1319	19100	0.80%	0.042%
127	9.332	9.308	9.357	VV	5852	80453	3.37%	0.179%
128	9.370	9.357	9.403	VV	1848	33980	1.42%	0.076%
129	9.419	9.403	9.424	VV	725	8366	0.35%	0.019%
130	9.443	9.424	9.463	VV	1485	25661	1.07%	0.057%
131	9.482	9.463	9.504	VV	2485	37753	1.58%	0.084%
132	9.522	9.504	9.546	VV	1779	30083	1.26%	0.067%
133	9.574	9.546	9.610	VV	4810	92394	3.87%	0.205%
134	9.618	9.610	9.648	VV	1762	28858	1.21%	0.064%
135	9.666	9.648	9.687	VV	3469	50734	2.12%	0.113%
136	9.719	9.687	9.765	VV	6629	155784	6.52%	0.346%
137	9.784	9.765	9.819	VV	2157	45331	1.90%	0.101%
138	9.856	9.819	9.904	VV	4749	109779	4.59%	0.244%
139	9.914	9.904	9.933	VV	1385	19812	0.83%	0.044%
140	9.948	9.933	9.958	VV	1206	16062	0.67%	0.036%
141	9.987	9.958	10.095	VV	71780	1338888	56.03%	2.976%

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142	10.115	10.095	10.166	VV	7321	165994	6.95%	0.369%
143	10.184	10.166	10.213	VV	2572	63080	2.64%	0.140%
144	10.219	10.213	10.260	VV	2118	43357	1.81%	0.096%
145	10.264	10.260	10.269	VV	851	3864	0.16%	0.009%
146	10.287	10.269	10.323	VV	1280	29002	1.21%	0.064%
147	10.334	10.323	10.363	VV	723	10738	0.45%	0.024%
148	10.378	10.363	10.393	VV	396	5466	0.23%	0.012%
149	10.415	10.393	10.435	VV	536	10779	0.45%	0.024%
150	10.459	10.435	10.492	VV	9903	145728	6.10%	0.324%
151	10.504	10.492	10.530	VV	2338	33656	1.41%	0.075%
152	10.560	10.530	10.575	VV	1916	33632	1.41%	0.075%
153	10.596	10.575	10.620	VV	2978	55296	2.31%	0.123%
154	10.641	10.620	10.669	VV	2409	45099	1.89%	0.100%
155	10.684	10.669	10.688	VV	774	7653	0.32%	0.017%
156	10.713	10.688	10.753	VV	3035	80565	3.37%	0.179%
157	10.770	10.753	10.784	VV	2768	42175	1.76%	0.094%
158	10.792	10.784	10.820	VV	2498	44694	1.87%	0.099%
159	10.857	10.820	10.899	VV	5263	135476	5.67%	0.301%
160	10.927	10.899	10.965	VV	5522	116710	4.88%	0.259%
161	10.968	10.965	10.971	VV	1064	3840	0.16%	0.009%
162	10.990	10.971	11.008	VV	1324	23374	0.98%	0.052%
163	11.012	11.008	11.032	VV	815	9256	0.39%	0.021%
164	11.051	11.032	11.065	VV	621	9760	0.41%	0.022%
165	11.085	11.065	11.096	VV	864	12205	0.51%	0.027%
166	11.118	11.096	11.172	VV	32370	491293	20.56%	1.092%
167	11.197	11.172	11.354	VV	29293	607418	25.42%	1.350%
168	11.369	11.354	11.399	VV	499	8446	0.35%	0.019%
169	11.437	11.399	11.458	PV	2962	53442	2.24%	0.119%
170	11.464	11.458	11.478	VV	1821	20276	0.85%	0.045%
171	11.491	11.478	11.501	VV	2001	25581	1.07%	0.057%
172	11.512	11.501	11.536	VV	2216	34496	1.44%	0.077%
173	11.562	11.536	11.591	VV	3642	61201	2.56%	0.136%
174	11.613	11.591	11.629	VV	2505	42423	1.78%	0.094%
175	11.651	11.629	11.694	VV	6453	112785	4.72%	0.251%
176	11.719	11.694	11.737	VV	2657	38820	1.62%	0.086%
177	11.760	11.737	11.772	VV	2468	36888	1.54%	0.082%
178	11.778	11.772	11.821	VV	2236	40908	1.71%	0.091%
179	11.846	11.821	11.869	VV	981	20379	0.85%	0.045%
180	11.882	11.869	11.893	VV	495	5983	0.25%	0.013%
181	11.924	11.893	11.941	VV	12043	158351	6.63%	0.352%
182	11.957	11.941	12.007	VV	13750	240058	10.05%	0.534%
183	12.035	12.007	12.057	VV	22398	353317	14.79%	0.785%
184	12.072	12.057	12.087	VV	11946	153928	6.44%	0.342%
185	12.103	12.087	12.152	VV	14701	238411	9.98%	0.530%
186	12.178	12.152	12.182	PV	923	8406	0.35%	0.019%
187	12.212	12.182	12.218	VV	2434	34887	1.46%	0.078%
188	12.233	12.218	12.253	VV	3198	47775	2.00%	0.106%
189	12.263	12.253	12.278	VV	820	8616	0.36%	0.019%
190	12.323	12.278	12.377	VV	6383	135989	5.69%	0.302%
191	12.401	12.377	12.443	VV	5890	120603	5.05%	0.268%
192	12.461	12.443	12.476	VV	2412	36051	1.51%	0.080%
193	12.496	12.476	12.529	VV	23361	288490	12.07%	0.641%
194	12.539	12.529	12.562	VV	2590	36502	1.53%	0.081%

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195	12.581	12.562	12.603	VV	2118	38664	1.62%	0.086%
196	12.607	12.603	12.616	VV	1835	12679	0.53%	0.028%
197	12.623	12.616	12.635	VV	1632	15764	0.66%	0.035%
198	12.650	12.635	12.659	VV	2409	27727	1.16%	0.062%
199	12.672	12.659	12.698	VV	3044	50174	2.10%	0.112%
200	12.718	12.698	12.762	VV	6582	122209	5.11%	0.272%
201	12.796	12.762	12.808	PV	8982	125560	5.25%	0.279%
202	12.826	12.808	12.846	VV	21647	295379	12.36%	0.657%
203	12.865	12.846	12.883	VV	11092	196186	8.21%	0.436%
204	12.886	12.883	12.918	VV	7965	113357	4.74%	0.252%
205	12.944	12.918	13.010	VV	194131	2351659	98.41%	5.227%
206	13.043	13.010	13.059	VV	2180	37585	1.57%	0.084%
207	13.086	13.059	13.117	VV	16516	276441	11.57%	0.614%
208	13.134	13.117	13.153	VV	8918	120505	5.04%	0.268%
209	13.167	13.153	13.171	VV	3780	36792	1.54%	0.082%
210	13.192	13.171	13.216	VV	8000	133657	5.59%	0.297%
211	13.243	13.216	13.282	VV	172471	2176480	91.08%	4.838%
212	13.301	13.282	13.319	VV	12335	173758	7.27%	0.386%
213	13.337	13.319	13.393	VV	14186	256192	10.72%	0.569%
214	13.425	13.393	13.446	VV	4034	75201	3.15%	0.167%
215	13.470	13.446	13.476	VV	2320	32936	1.38%	0.073%
216	13.491	13.476	13.502	VV	2781	33210	1.39%	0.074%
217	13.523	13.502	13.556	VV	8600	144771	6.06%	0.322%
218	13.576	13.556	13.598	VV	6649	92340	3.86%	0.205%
219	13.610	13.598	13.622	VV	1375	15981	0.67%	0.036%
220	13.650	13.622	13.662	VV	5366	98579	4.13%	0.219%
221	13.667	13.662	13.685	VV	5624	59474	2.49%	0.132%
222	13.707	13.685	13.733	VV	15687	263979	11.05%	0.587%
223	13.744	13.733	13.770	VV	3680	47213	1.98%	0.105%
224	13.838	13.770	13.885	PV	40874	796685	33.34%	1.771%
225	13.901	13.885	13.923	VV	4824	72894	3.05%	0.162%
226	13.946	13.923	13.967	VV	27106	364651	15.26%	0.811%
227	13.985	13.967	14.010	VV	22839	335169	14.03%	0.745%
228	14.023	14.010	14.053	VV	7193	142071	5.95%	0.316%
229	14.076	14.053	14.091	VV	10609	187802	7.86%	0.417%
230	14.114	14.091	14.137	VV	24809	378814	15.85%	0.842%
231	14.156	14.137	14.189	VV	17324	268074	11.22%	0.596%
232	14.192	14.189	14.205	VV	2988	24122	1.01%	0.054%
233	14.210	14.205	14.216	VV	2681	16240	0.68%	0.036%
234	14.219	14.216	14.262	VV	2554	39849	1.67%	0.089%
235	14.284	14.262	14.298	VV	2790	40593	1.70%	0.090%
236	14.312	14.298	14.331	VV	2159	32713	1.37%	0.073%
237	14.346	14.331	14.380	VV	1704	26207	1.10%	0.058%
238	14.385	14.380	14.398	VV	587	3193	0.13%	0.007%
239	14.429	14.398	14.460	PV	2966	57900	2.42%	0.129%
240	14.480	14.460	14.498	VV	3444	58675	2.46%	0.130%
241	14.549	14.498	14.565	VV	9472	231716	9.70%	0.515%
242	14.584	14.565	14.625	VV	9518	220663	9.23%	0.490%
243	14.649	14.625	14.664	VV	8681	152343	6.38%	0.339%
244	14.680	14.664	14.729	VV	9789	213385	8.93%	0.474%
245	14.761	14.729	14.792	VV	19809	376252	15.75%	0.836%
246	14.819	14.792	14.848	VV	31958	554753	23.21%	1.233%

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247	14.850	14.848	14.861	VV	7064	51005	2.13%	0.113%
248	14.879	14.861	14.897	VV	8963	159056	6.66%	0.354%
249	14.906	14.897	14.923	VV	7168	90961	3.81%	0.202%
250	14.940	14.923	14.955	VV	5379	80786	3.38%	0.180%
251	14.985	14.955	15.066	VV	128440	1890269	79.10%	4.202%
252	15.094	15.066	15.109	PV	14547	187446	7.84%	0.417%
253	15.134	15.109	15.154	VV	114184	1542790	64.56%	3.429%
254	15.174	15.154	15.248	VV	116944	1777978	74.40%	3.952%
255	15.251	15.248	15.257	VV	2049	9413	0.39%	0.021%
256	15.294	15.257	15.310	VV	22311	342570	14.34%	0.761%
257	15.324	15.310	15.392	VV	16183	385274	16.12%	0.856%
258	15.407	15.392	15.424	VV	3896	57160	2.39%	0.127%
259	15.454	15.424	15.467	VV	8342	160047	6.70%	0.356%
260	15.482	15.467	15.509	VV	10991	202511	8.47%	0.450%
261	15.525	15.509	15.541	VV	5525	80791	3.38%	0.180%
262	15.570	15.541	15.640	VV	52061	1100507	46.05%	2.446%
263	15.644	15.640	15.664	VV	3799	27916	1.17%	0.062%
264	15.705	15.664	15.744	PV	6425	208912	8.74%	0.464%
265	15.766	15.744	15.785	VV	7483	114828	4.81%	0.255%
266	15.810	15.785	15.833	VV	36739	525428	21.99%	1.168%
267	15.849	15.833	15.881	VV	17220	300517	12.58%	0.668%
268	15.898	15.881	15.923	VV	10456	197848	8.28%	0.440%
269	15.926	15.923	15.931	VV	6803	29525	1.24%	0.066%
270	15.972	15.931	16.022	VV	23238	724157	30.30%	1.610%
271	16.042	16.022	16.077	VV	9140	187352	7.84%	0.416%
272	16.097	16.077	16.122	VV	4559	84614	3.54%	0.188%
273	16.137	16.122	16.163	VV	6528	100488	4.21%	0.223%
274	16.166	16.163	16.172	VV	2272	11660	0.49%	0.026%
275	16.178	16.172	16.183	VV	1484	9435	0.39%	0.021%
276	16.218	16.183	16.227	VV	7971	137848	5.77%	0.306%
277	16.236	16.227	16.270	VV	6879	122634	5.13%	0.273%
278	16.278	16.270	16.302	VV	3838	45179	1.89%	0.100%
279	16.311	16.302	16.333	VV	2770	32214	1.35%	0.072%
280	16.347	16.333	16.368	VV	2622	29102	1.22%	0.065%
281	16.411	16.368	16.440	PV	6610	149439	6.25%	0.332%
282	16.457	16.440	16.477	VV	6845	103474	4.33%	0.230%
283	16.504	16.477	16.539	VV	11996	281656	11.79%	0.626%
284	16.616	16.539	16.648	VV	12918	458063	19.17%	1.018%
285	16.705	16.648	16.723	VV	155450	2389639	100.00%	5.312%
286	16.732	16.723	16.770	VV	63382	822334	34.41%	1.828%
287	16.783	16.770	16.803	VV	5678	85574	3.58%	0.190%
288	16.836	16.803	16.863	VV	38196	625672	26.18%	1.391%
289	16.869	16.863	16.887	VV	8994	101159	4.23%	0.225%
290	16.896	16.887	16.924	VV	5648	88973	3.72%	0.198%
291	16.986	16.924	17.004	VV	37729	642007	26.87%	1.427%
292	17.027	17.004	17.060	VV	97089	1410986	59.05%	3.136%
293	17.087	17.060	17.126	VV	123284	1766144	73.91%	3.926%
294	17.130	17.126	17.135	VV	6947	37555	1.57%	0.083%
295	17.140	17.135	17.153	VV	7189	68150	2.85%	0.151%
296	17.189	17.153	17.229	VV	37560	714328	29.89%	1.588%
297	17.233	17.229	17.243	VV	6306	46709	1.95%	0.104%
298	17.249	17.243	17.253	VV	5486	32649	1.37%	0.073%
299	17.257	17.253	17.278	VV	6000	63449	2.66%	0.141%

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300	17.336	17.278	17.376	VV	14703	448330	18.76%	0.997%
301	17.399	17.376	17.411	VV	6723	99688	4.17%	0.222%
302	17.456	17.411	17.462	VV	19188	333406	13.95%	0.741%
303	17.470	17.462	17.521	VV	21232	408836	17.11%	0.909%
304	17.553	17.521	17.561	VV	6418	107849	4.51%	0.240%
305	17.592	17.561	17.599	VV	11938	210265	8.80%	0.467%
306	17.616	17.599	17.647	VV	16494	272768	11.41%	0.606%
307	17.652	17.647	17.660	VV	4244	26986	1.13%	0.060%
308	17.681	17.660	17.696	VV	9143	141608	5.93%	0.315%
309	17.712	17.696	17.728	VV	6997	104287	4.36%	0.232%
310	17.749	17.728	17.773	VV	14808	279687	11.70%	0.622%
311	17.779	17.773	17.834	VV	8668	184052	7.70%	0.409%
312	17.856	17.834	17.859	PV	3958	39822	1.67%	0.089%
313	17.877	17.859	17.899	VV	7223	118627	4.96%	0.264%
314	17.903	17.899	17.912	VV	3874	20066	0.84%	0.045%
315	17.915	17.912	17.922	VV	2298	9027	0.38%	0.020%
316	17.979	17.922	17.988	PV	1658	59892	2.51%	0.133%

Sum of corrected areas: 44989371

FG052225.M Thu Jun 05 06:15:13 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF060425\
Data File : FF015897.D
Signal(s) : FID2B.ch
Acq On : 04 Jun 2025 12:48
Operator : YP\AJ
Sample : Q2150-09
Misc :
ALS Vial : 71 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
TP-54

Integration File: autoint1.e
Quant Time: Jun 05 03:02:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\FF052125.M
Quant Title :
QLast Update : Wed May 21 12:32:51 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : Rxi-1ms
Signal Info : 20mx0.18mmx0.18um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
9) S TETRACOSANE-d50 (SURR...	15.016	1943201	15.910 ug/ml
Target Compounds			

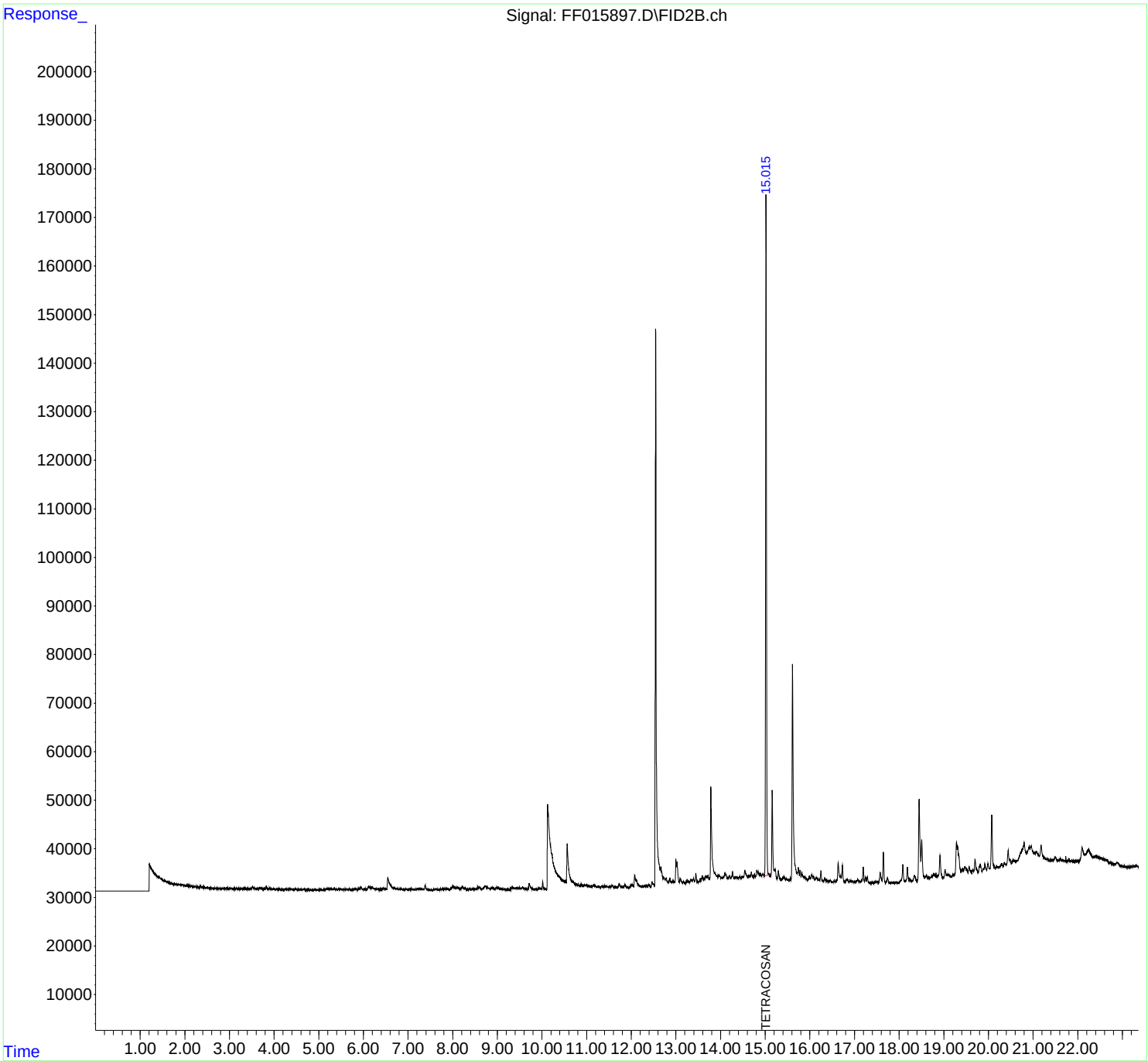
(f)=RT Delta > 1/2 Window (m)=manual int.

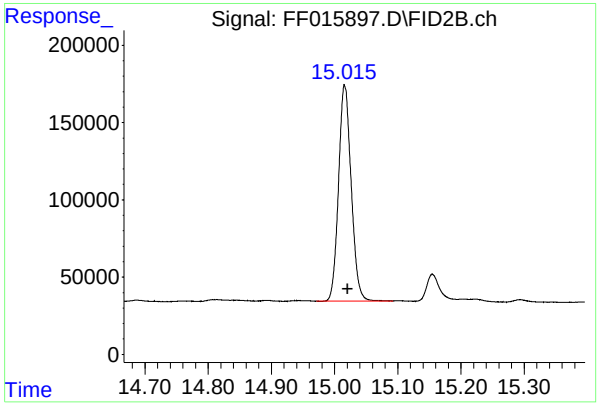
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF060425\
Data File : FF015897.D
Signal(s) : FID2B.ch
Acq On : 04 Jun 2025 12:48
Operator : YP\AJ
Sample : Q2150-09
Misc :
ALS Vial : 71 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
TP-54

Integration File: autoint1.e
Quant Time: Jun 05 03:02:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\FF052125.M
Quant Title :
QLast Update : Wed May 21 12:32:51 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : Rxi-1ms
Signal Info : 20mx0.18mmx0.18um





#9 TETRACOSANE-d50 (SURROGATE)

R.T.: 15.016 min
Delta R.T.: -0.005 mi
Response: 1943201
Conc: 15.91 ug/m

Instrument :
FID_F
ClientSampleId :
TP-54

11

A B C D E F G H I J

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF060425\
Data File : FF015897.D
Signal(s) : FID2B.ch
Acq On : 04 Jun 2025 12:48
Sample : Q2150-09
Misc :
ALS Vial : 71 Sample Multiplier: 1

Integration File: Sample.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\FF052125.M
Title :

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.535	4.518	4.541	BV	114	417	0.02%	0.003%
2	4.546	4.541	4.569	PV	92	719	0.03%	0.006%
3	4.576	4.569	4.585	VV	107	720	0.03%	0.006%
4	4.594	4.585	4.606	VV	132	1013	0.05%	0.008%
5	4.610	4.606	4.621	VV	130	680	0.03%	0.005%
6	4.626	4.621	4.650	VV	102	1594	0.08%	0.012%
7	4.652	4.650	4.660	VV	142	578	0.03%	0.005%
8	4.676	4.660	4.696	VV	198	2349	0.11%	0.018%
9	4.701	4.696	4.705	VV	124	453	0.02%	0.004%
10	4.709	4.705	4.714	VV	130	489	0.02%	0.004%
11	4.724	4.714	4.741	VV	154	1440	0.07%	0.011%
12	4.750	4.741	4.763	PV	147	1179	0.06%	0.009%
13	4.771	4.763	4.779	VV	155	991	0.05%	0.008%
14	4.797	4.779	4.820	VV	164	2644	0.13%	0.021%
15	4.825	4.820	4.835	VV	120	730	0.04%	0.006%
16	4.840	4.835	4.864	VV	136	1455	0.07%	0.011%
17	4.871	4.864	4.883	VV	172	1137	0.05%	0.009%
18	4.889	4.883	4.916	VV	129	2031	0.10%	0.016%
19	4.921	4.916	4.935	VV	161	1201	0.06%	0.009%
20	4.939	4.935	4.966	VV	147	1589	0.08%	0.012%
21	4.974	4.966	4.983	VV	149	1032	0.05%	0.008%
22	4.998	4.983	5.010	VV	145	1524	0.07%	0.012%
23	5.021	5.010	5.046	VV	202	2135	0.10%	0.017%
24	5.056	5.046	5.070	PV	146	1459	0.07%	0.011%
25	5.078	5.070	5.084	VV	132	851	0.04%	0.007%
26	5.087	5.084	5.093	VV	122	692	0.03%	0.005%
27	5.121	5.093	5.129	VV	244	3443	0.17%	0.027%
28	5.135	5.129	5.151	VV	259	2732	0.13%	0.021%
29	5.160	5.151	5.169	VV	280	2467	0.12%	0.019%
30	5.172	5.169	5.184	VV	271	2142	0.10%	0.017%
31	5.186	5.184	5.193	VV	256	1222	0.06%	0.010%
32	5.227	5.193	5.245	VV	341	8601	0.41%	0.067%
33	5.269	5.245	5.276	VV	308	4769	0.23%	0.037%
34	5.287	5.276	5.293	VV	374	2826	0.14%	0.022%
35	5.295	5.293	5.307	VV	306	2168	0.10%	0.017%
36	5.317	5.307	5.348	VV	312	7027	0.34%	0.055%

rteres

37	5.353	5.348	5.368	VV	331	2905	0.14%	0.023%
38	5.374	5.368	5.381	VV	248	1774	0.09%	0.014%
39	5.384	5.381	5.390	VV	204	1291	0.06%	0.010%
40	5.399	5.390	5.418	VV	290	3827	0.18%	0.030%
41	5.436	5.418	5.442	VV	262	3145	0.15%	0.025%
42	5.448	5.442	5.456	VV	296	1976	0.09%	0.015%
43	5.462	5.456	5.468	VV	265	1813	0.09%	0.014%
44	5.471	5.468	5.476	VV	231	1023	0.05%	0.008%
45	5.489	5.476	5.515	VV	292	5428	0.26%	0.042%
46	5.519	5.515	5.526	VV	241	1247	0.06%	0.010%
47	5.538	5.526	5.547	VV	204	2365	0.11%	0.018%
48	5.555	5.547	5.589	VV	253	4806	0.23%	0.038%
49	5.603	5.589	5.619	VV	230	3106	0.15%	0.024%
50	5.624	5.619	5.637	VV	209	1945	0.09%	0.015%
51	5.644	5.637	5.653	VV	238	1850	0.09%	0.014%
52	5.671	5.653	5.693	VV	298	4961	0.24%	0.039%
53	5.697	5.693	5.701	VV	202	846	0.04%	0.007%
54	5.706	5.701	5.712	VV	193	1081	0.05%	0.008%
55	5.735	5.712	5.770	VV	226	5280	0.25%	0.041%
56	5.807	5.770	5.826	VV	318	7235	0.35%	0.057%
57	5.831	5.826	5.851	VV	270	3045	0.15%	0.024%
58	5.854	5.851	5.867	VV	197	1712	0.08%	0.013%
59	5.892	5.867	5.911	VV	352	6945	0.33%	0.054%
60	5.942	5.911	5.984	VV	619	17297	0.83%	0.135%
61	5.990	5.984	6.011	VV	292	4116	0.20%	0.032%
62	6.021	6.011	6.034	VV	236	3158	0.15%	0.025%
63	6.038	6.034	6.046	VV	311	1337	0.06%	0.010%
64	6.050	6.046	6.061	VV	200	1304	0.06%	0.010%
65	6.065	6.061	6.079	VV	176	1616	0.08%	0.013%
66	6.115	6.079	6.162	VV	719	25874	1.24%	0.202%
67	6.185	6.162	6.241	VV	728	23938	1.15%	0.187%
68	6.245	6.241	6.259	VV	379	3450	0.17%	0.027%
69	6.266	6.259	6.285	VV	311	4366	0.21%	0.034%
70	6.299	6.285	6.303	VV	263	2499	0.12%	0.020%
71	6.313	6.303	6.317	VV	274	2084	0.10%	0.016%
72	6.334	6.317	6.361	VV	329	6823	0.33%	0.053%
73	6.363	6.361	6.368	VV	239	980	0.05%	0.008%
74	6.371	6.368	6.377	VV	254	1206	0.06%	0.009%
75	6.394	6.377	6.418	VV	253	4715	0.23%	0.037%
76	6.441	6.418	6.458	VV	521	8330	0.40%	0.065%
77	6.464	6.458	6.489	VV	392	5136	0.25%	0.040%
78	6.492	6.489	6.520	VV	260	3948	0.19%	0.031%
79	6.546	6.520	6.683	VV	2543	109078	5.23%	0.853%
80	6.685	6.683	6.690	VV	440	1661	0.08%	0.013%
81	6.694	6.690	6.699	VV	398	2090	0.10%	0.016%
82	6.705	6.699	6.710	VV	386	2313	0.11%	0.018%
83	6.720	6.710	6.728	VV	363	3897	0.19%	0.030%
84	6.733	6.728	6.792	VV	360	11759	0.56%	0.092%
85	6.799	6.792	6.806	VV	328	2203	0.11%	0.017%
86	6.825	6.806	6.877	VV	295	8192	0.39%	0.064%
87	6.889	6.877	6.923	VV	168	3307	0.16%	0.026%
88	6.933	6.923	6.939	VV	168	1442	0.07%	0.011%
89	6.943	6.939	6.947	VV	225	1011	0.05%	0.008%

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90	6.961	6.947	6.994	VV	299	6382	0.31%	0.050%
91	6.996	6.994	7.001	VV	250	887	0.04%	0.007%
92	7.008	7.001	7.017	VV	214	1973	0.09%	0.015%
93	7.022	7.017	7.027	VV	194	1114	0.05%	0.009%
94	7.029	7.027	7.039	VV	230	1158	0.06%	0.009%
95	7.049	7.039	7.080	VV	270	4769	0.23%	0.037%
96	7.087	7.080	7.102	VV	231	2383	0.11%	0.019%
97	7.114	7.102	7.129	VV	246	3127	0.15%	0.024%
98	7.154	7.129	7.174	VV	260	5553	0.27%	0.043%
99	7.184	7.174	7.205	VV	263	4220	0.20%	0.033%
100	7.210	7.205	7.231	VV	296	3966	0.19%	0.031%
101	7.235	7.231	7.242	VV	270	1625	0.08%	0.013%
102	7.250	7.242	7.266	VV	348	3682	0.18%	0.029%
103	7.287	7.266	7.303	VV	306	5549	0.27%	0.043%
104	7.307	7.303	7.335	VV	260	3843	0.18%	0.030%
105	7.355	7.335	7.361	VV	269	3369	0.16%	0.026%
106	7.385	7.361	7.425	VV	1056	20536	0.99%	0.161%
107	7.429	7.425	7.464	VV	201	3211	0.15%	0.025%
108	7.467	7.464	7.501	VV	138	1983	0.10%	0.016%
109	7.512	7.501	7.539	VV	121	1137	0.05%	0.009%
110	7.559	7.539	7.564	VV	92	754	0.04%	0.006%
111	7.591	7.564	7.599	VV	211	2898	0.14%	0.023%
112	7.603	7.599	7.622	VV	184	1930	0.09%	0.015%
113	7.634	7.622	7.641	VV	182	1653	0.08%	0.013%
114	7.647	7.641	7.653	VV	216	1208	0.06%	0.009%
115	7.657	7.653	7.679	VV	181	2123	0.10%	0.017%
116	7.683	7.679	7.709	VV	107	1205	0.06%	0.009%
117	7.737	7.709	7.749	VV	245	4293	0.21%	0.034%
118	7.754	7.749	7.777	VV	264	3399	0.16%	0.027%
119	7.788	7.777	7.807	VV	247	3639	0.17%	0.028%
120	7.813	7.807	7.819	VV	283	1533	0.07%	0.012%
121	7.824	7.819	7.827	VV	221	991	0.05%	0.008%
122	7.831	7.827	7.846	VV	276	2176	0.10%	0.017%
123	7.875	7.846	7.886	VV	260	4924	0.24%	0.038%
124	7.888	7.886	7.892	VV	221	776	0.04%	0.006%
125	7.897	7.892	7.911	VV	222	1956	0.09%	0.015%
126	7.915	7.911	7.917	VV	159	631	0.03%	0.005%
127	7.921	7.917	7.938	VV	197	2072	0.10%	0.016%
128	8.003	7.938	8.077	VV	837	40874	1.96%	0.320%
129	8.096	8.077	8.151	VV	656	19866	0.95%	0.155%
130	8.161	8.151	8.165	VV	323	2589	0.12%	0.020%
131	8.170	8.165	8.182	VV	378	2858	0.14%	0.022%
132	8.208	8.182	8.235	VV	676	16043	0.77%	0.125%
133	8.240	8.235	8.267	VV	522	7146	0.34%	0.056%
134	8.271	8.267	8.274	VV	304	1219	0.06%	0.010%
135	8.285	8.274	8.315	VV	331	6027	0.29%	0.047%
136	8.326	8.315	8.349	VV	242	3554	0.17%	0.028%
137	8.355	8.349	8.374	VV	187	2131	0.10%	0.017%
138	8.382	8.374	8.400	VV	197	1873	0.09%	0.015%
139	8.415	8.400	8.422	VV	173	1417	0.07%	0.011%
140	8.438	8.422	8.467	VV	318	5228	0.25%	0.041%
141	8.471	8.467	8.492	VV	261	3037	0.15%	0.024%

rteres

142	8.498	8.492	8.508	VV	260	2027	0.10%	0.016%
143	8.519	8.508	8.542	VV	215	3519	0.17%	0.028%
144	8.561	8.542	8.584	VV	827	12753	0.61%	0.100%
145	8.594	8.584	8.600	VV	583	5017	0.24%	0.039%
146	8.602	8.600	8.631	VV	513	7381	0.35%	0.058%
147	8.635	8.631	8.647	VV	298	2540	0.12%	0.020%
148	8.651	8.647	8.659	VV	250	1637	0.08%	0.013%
149	8.667	8.659	8.672	VV	307	2101	0.10%	0.016%
150	8.723	8.672	8.768	VV	812	33764	1.62%	0.264%
151	8.772	8.768	8.781	VV	587	4215	0.20%	0.033%
152	8.786	8.781	8.855	VV	526	15476	0.74%	0.121%
153	8.883	8.855	8.927	VV	595	15206	0.73%	0.119%
154	8.934	8.927	8.946	VV	287	2765	0.13%	0.022%
155	8.971	8.946	8.998	VV	573	12330	0.59%	0.096%
156	9.013	8.998	9.056	VV	637	13770	0.66%	0.108%
157	9.075	9.056	9.080	VV	325	3621	0.17%	0.028%
158	9.083	9.080	9.099	VV	293	2726	0.13%	0.021%
159	9.102	9.099	9.106	VV	214	865	0.04%	0.007%
160	9.109	9.106	9.122	VV	184	1610	0.08%	0.013%
161	9.127	9.122	9.134	VV	196	1059	0.05%	0.008%
162	9.145	9.134	9.151	VV	193	1692	0.08%	0.013%
163	9.155	9.151	9.157	VV	151	432	0.02%	0.003%
164	9.162	9.157	9.169	VV	161	940	0.05%	0.007%
165	9.183	9.169	9.206	VV	197	2654	0.13%	0.021%
166	9.209	9.206	9.237	VV	132	1394	0.07%	0.011%
167	9.271	9.237	9.286	VV	193	4198	0.20%	0.033%
168	9.322	9.286	9.373	VV	665	20984	1.01%	0.164%
169	9.378	9.373	9.404	VV	400	6497	0.31%	0.051%
170	9.427	9.404	9.446	VV	502	10224	0.49%	0.080%
171	9.449	9.446	9.461	VV	347	2874	0.14%	0.022%
172	9.464	9.461	9.474	VV	384	2557	0.12%	0.020%
173	9.501	9.474	9.524	VV	433	9751	0.47%	0.076%
174	9.559	9.524	9.635	VV	629	21247	1.02%	0.166%
175	9.639	9.635	9.651	VV	224	1805	0.09%	0.014%
176	9.654	9.651	9.658	VV	238	788	0.04%	0.006%
177	9.712	9.658	9.797	VV	1371	40733	1.95%	0.318%
178	9.804	9.797	9.811	VV	218	1294	0.06%	0.010%
179	9.814	9.811	9.838	VV	161	2182	0.10%	0.017%
180	9.852	9.838	9.871	VV	194	2474	0.12%	0.019%
181	9.893	9.871	9.909	VV	137	2425	0.12%	0.019%
182	9.929	9.909	9.964	VV	299	8198	0.39%	0.064%
183	9.984	9.964	9.991	VV	287	3925	0.19%	0.031%
184	9.993	9.991	9.995	VV	229	587	0.03%	0.005%
185	10.017	9.995	10.066	VV	1732	27737	1.33%	0.217%
186	10.073	10.066	10.103	VV	233	2956	0.14%	0.023%
187	10.127	10.103	10.384	PV	17637	1154172	55.38%	9.022%
188	10.389	10.384	10.444	VV	2744	83774	4.02%	0.655%
189	10.447	10.444	10.457	VV	1961	15128	0.73%	0.118%
190	10.461	10.457	10.466	VV	1938	9869	0.47%	0.077%
191	10.468	10.466	10.505	VV	1944	41357	1.98%	0.323%
192	10.516	10.505	10.542	VV	1824	37478	1.80%	0.293%
193	10.565	10.542	10.679	VV	9403	318323	15.27%	2.488%
194	10.703	10.679	10.729	VV	1674	44323	2.13%	0.346%

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195	10.733	10.729	10.749	VV	1242	13718	0.66%	0.107%
196	10.759	10.749	10.788	VV	1116	23330	1.12%	0.182%
197	10.801	10.788	10.833	VV	1007	23720	1.14%	0.185%
198	10.837	10.833	10.856	VV	764	9572	0.46%	0.075%
199	10.880	10.856	10.901	VV	1039	23050	1.11%	0.180%
200	10.907	10.901	10.917	VV	735	6546	0.31%	0.051%
201	10.949	10.917	10.970	VV	890	24202	1.16%	0.189%
202	10.981	10.970	10.986	VV	826	7463	0.36%	0.058%
203	10.993	10.986	11.012	VV	853	11490	0.55%	0.090%
204	11.016	11.012	11.033	VV	726	8862	0.43%	0.069%
205	11.037	11.033	11.092	VV	725	20414	0.98%	0.160%
206	11.094	11.092	11.106	VV	513	3886	0.19%	0.030%
207	11.127	11.106	11.132	VV	538	7947	0.38%	0.062%
208	11.153	11.132	11.201	VV	791	25946	1.24%	0.203%
209	11.205	11.201	11.242	VV	559	10971	0.53%	0.086%
210	11.264	11.242	11.296	VV	513	13036	0.63%	0.102%
211	11.301	11.296	11.307	VV	319	2066	0.10%	0.016%
212	11.341	11.307	11.379	VV	564	19719	0.95%	0.154%
213	11.400	11.379	11.427	VV	590	13527	0.65%	0.106%
214	11.439	11.427	11.471	VV	537	12288	0.59%	0.096%
215	11.475	11.471	11.489	VV	377	3714	0.18%	0.029%
216	11.492	11.489	11.514	VV	402	5297	0.25%	0.041%
217	11.523	11.514	11.548	VV	465	8532	0.41%	0.067%
218	11.575	11.548	11.619	VV	684	18560	0.89%	0.145%
219	11.641	11.619	11.666	VV	461	9039	0.43%	0.071%
220	11.676	11.666	11.680	VV	267	1846	0.09%	0.014%
221	11.730	11.680	11.769	VV	1020	26340	1.26%	0.206%
222	11.784	11.769	11.817	VV	424	8312	0.40%	0.065%
223	11.849	11.817	11.908	VV	771	22756	1.09%	0.178%
224	11.921	11.908	11.951	VV	213	3460	0.17%	0.027%
225	12.017	11.951	12.050	VV	783	26567	1.27%	0.208%
226	12.073	12.050	12.107	VV	2726	60094	2.88%	0.470%
227	12.113	12.107	12.116	VV	1606	8767	0.42%	0.069%
228	12.119	12.116	12.166	VV	1580	28969	1.39%	0.226%
229	12.173	12.166	12.201	VV	555	9458	0.45%	0.074%
230	12.207	12.201	12.213	VV	387	2552	0.12%	0.020%
231	12.233	12.213	12.255	VV	399	8636	0.41%	0.068%
232	12.275	12.255	12.284	VV	430	5973	0.29%	0.047%
233	12.300	12.284	12.319	VV	532	8997	0.43%	0.070%
234	12.331	12.319	12.338	VV	382	3796	0.18%	0.030%
235	12.349	12.338	12.365	VV	388	5846	0.28%	0.046%
236	12.395	12.365	12.426	VV	727	17031	0.82%	0.133%
237	12.433	12.426	12.439	VV	235	1523	0.07%	0.012%
238	12.464	12.439	12.520	VV	1209	34481	1.65%	0.270%
239	12.546	12.520	12.641	VV	115015	1722312	82.64%	13.464%
240	12.658	12.641	12.723	VV	4231	148560	7.13%	1.161%
241	12.729	12.723	12.761	VV	2039	41491	1.99%	0.324%
242	12.764	12.761	12.767	VV	1647	6115	0.29%	0.048%
243	12.784	12.767	12.832	VV	1965	54283	2.60%	0.424%
244	12.864	12.832	12.886	VV	1949	45570	2.19%	0.356%
245	12.894	12.886	12.909	VV	1155	15334	0.74%	0.120%
246	12.933	12.909	12.949	VV	1373	27848	1.34%	0.218%

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247	12.961	12.949	12.974	VV	1253	17989	0.86%	0.141%
248	12.999	12.974	13.012	VV	5805	82185	3.94%	0.642%
249	13.023	13.012	13.074	VV	5198	108759	5.22%	0.850%
250	13.095	13.074	13.148	VV	1775	56981	2.73%	0.445%
251	13.167	13.148	13.185	VV	1068	22105	1.06%	0.173%
252	13.187	13.185	13.217	VV	1039	16348	0.78%	0.128%
253	13.258	13.217	13.292	VV	1337	49247	2.36%	0.385%
254	13.339	13.292	13.364	VV	1604	53311	2.56%	0.417%
255	13.392	13.364	13.423	VV	1728	50777	2.44%	0.397%
256	13.445	13.423	13.486	VV	2710	59345	2.85%	0.464%
257	13.544	13.486	13.561	VV	1665	54737	2.63%	0.428%
258	13.587	13.561	13.622	VV	2223	64114	3.08%	0.501%
259	13.667	13.622	13.687	VV	2081	71725	3.44%	0.561%
260	13.707	13.687	13.746	VV	2160	65784	3.16%	0.514%
261	13.782	13.746	13.946	VV	20311	593866	28.49%	4.642%
262	13.968	13.946	14.047	VV	2289	117282	5.63%	0.917%
263	14.096	14.047	14.112	VV	2736	83715	4.02%	0.654%
264	14.122	14.112	14.155	VV	2488	53266	2.56%	0.416%
265	14.204	14.155	14.236	VV	2139	88489	4.25%	0.692%
266	14.265	14.236	14.296	VV	2940	78063	3.75%	0.610%
267	14.342	14.296	14.409	VV	1805	115203	5.53%	0.901%
268	14.431	14.409	14.467	VV	1952	61624	2.96%	0.482%
269	14.487	14.467	14.511	VV	2009	47330	2.27%	0.370%
270	14.542	14.511	14.612	VV	3132	142439	6.83%	1.113%
271	14.628	14.612	14.653	VV	1996	47208	2.27%	0.369%
272	14.687	14.653	14.732	VV	2781	99923	4.79%	0.781%
273	14.760	14.732	14.786	VV	2111	62660	3.01%	0.490%
274	14.812	14.786	14.877	VV	3020	139451	6.69%	1.090%
275	14.892	14.877	14.919	VV	2460	55921	2.68%	0.437%
276	14.942	14.919	14.978	VV	2379	76940	3.69%	0.601%
277	15.016	14.978	15.092	VV	141699	2084178	100.00%	16.292%
278	15.100	15.092	15.124	VV	2250	40029	1.92%	0.313%
279	15.155	15.124	15.194	VV	19509	330174	15.84%	2.581%
280	15.203	15.194	15.214	VV	3255	37954	1.82%	0.297%
281	15.222	15.214	15.272	VV	3241	76210	3.66%	0.596%
282	15.294	15.272	15.368	VV	2919	96927	4.65%	0.758%
283	15.427	15.368	15.459	VV	1582	75404	3.62%	0.589%
284	15.483	15.459	15.509	VV	1280	35534	1.70%	0.278%
285	15.517	15.509	15.544	VV	1095	21511	1.03%	0.168%
286	15.562	15.544	15.574	VV	1221	20120	0.97%	0.157%
287	15.609	15.574	15.707	VV	45230	906721	43.50%	7.088%
288	15.743	15.707	15.763	VV	3526	88024	4.22%	0.688%
289	15.780	15.763	15.804	VV	2992	56609	2.72%	0.443%
290	15.821	15.804	15.869	VV	2524	73579	3.53%	0.575%
291	15.885	15.869	15.959	VV	1610	67068	3.22%	0.524%
292	15.983	15.959	16.014	VV	1634	44743	2.15%	0.350%
293	16.042	16.014	16.071	VV	2040	55244	2.65%	0.432%
294	16.081	16.071	16.119	VV	1591	37914	1.82%	0.296%
295	16.142	16.119	16.217	VV	1406	65233	3.13%	0.510%
296	16.246	16.217	16.304	VV	2809	65375	3.14%	0.511%
297	16.330	16.304	16.362	VV	1204	30789	1.48%	0.241%
298	16.378	16.362	16.407	VV	824	17696	0.85%	0.138%
299	16.451	16.407	16.484	VV	715	26247	1.26%	0.205%

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300	16.494	16.484	16.514	VV	563	8375	0.40%	0.065%
301	16.552	16.514	16.580	VV	616	19152	0.92%	0.150%
302	16.632	16.580	16.672	VV	4353	106459	5.11%	0.832%
303	16.689	16.672	16.706	VV	1711	29520	1.42%	0.231%
304	16.728	16.706	16.791	VV	3855	74169	3.56%	0.580%
305	16.816	16.791	16.824	VV	820	12453	0.60%	0.097%
306	16.840	16.824	16.876	VV	976	20945	1.00%	0.164%
307	16.898	16.876	16.958	VV	638	26371	1.27%	0.206%
308	16.967	16.958	16.986	VV	408	6020	0.29%	0.047%
309	17.077	16.986	17.101	VV	705	32351	1.55%	0.253%
310	17.113	17.101	17.136	VV	531	8754	0.42%	0.068%
311	17.195	17.136	17.222	VV	3399	62617	3.00%	0.489%
312	17.246	17.222	17.264	VV	1307	20114	0.97%	0.157%
313	17.286	17.264	17.335	VV	1367	24170	1.16%	0.189%
314	17.347	17.335	17.367	VV	137	2034	0.10%	0.016%
315	17.374	17.367	17.394	VV	90	1244	0.06%	0.010%
316	17.409	17.394	17.426	VV	162	2029	0.10%	0.016%
317	17.461	17.426	17.486	PV	123	2534	0.12%	0.020%

Sum of corrected areas: 12792277

FF052125.M Thu Jun 05 03:42:51 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG060425\
Data File : FG015922.D
Signal(s) : FID1A.ch
Acq On : 04 Jun 2025 18:17
Operator : YP\AJ
Sample : Q2150-10
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
TP-53

Integration File: autoint1.e
Quant Time: Jun 05 05:37:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG052225.M
Quant Title :
QLast Update : Thu May 22 06:20:25 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : Rxi-1ms
Signal Info : 20mx0.18mmx0.18um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
9) S TETRACOSANE-d50 (SURR...	14.984	1319302	10.764 ug/ml
Target Compounds			

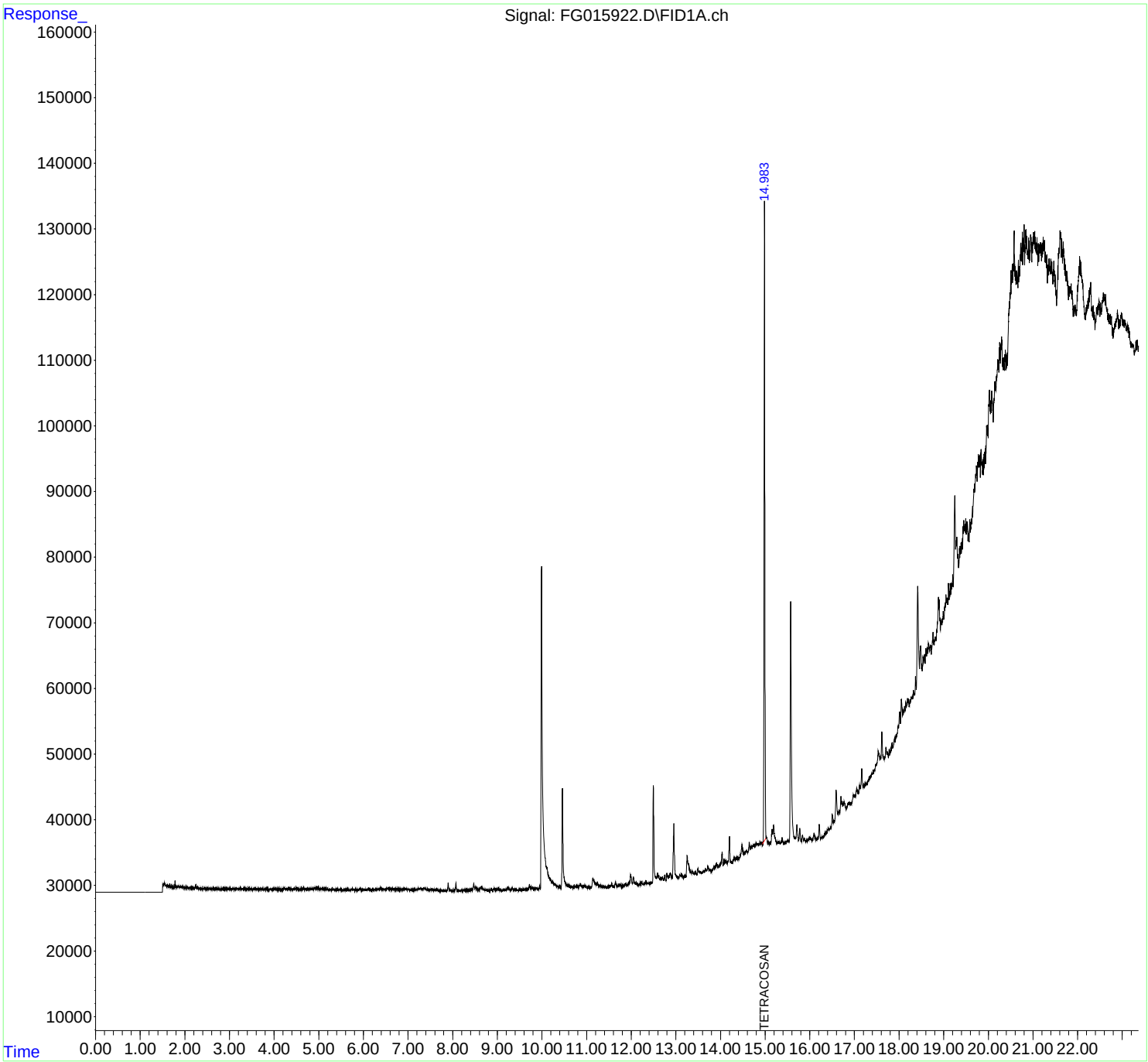
(f)=RT Delta > 1/2 Window (m)=manual int.

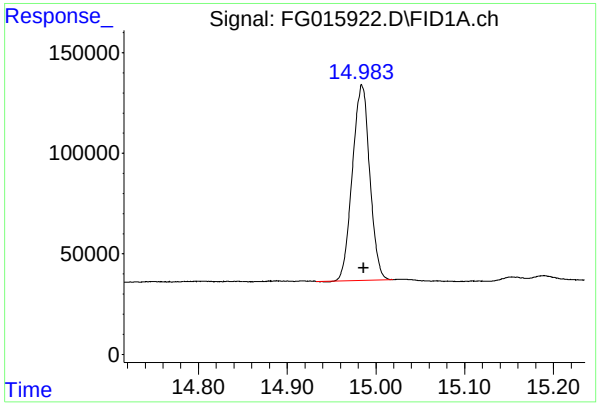
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG060425\
Data File : FG015922.D
Signal(s) : FID1A.ch
Acq On : 04 Jun 2025 18:17
Operator : YP\AJ
Sample : Q2150-10
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
TP-53

Integration File: autoint1.e
Quant Time: Jun 05 05:37:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG052225.M
Quant Title :
QLast Update : Thu May 22 06:20:25 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : Rxi-1ms
Signal Info : 20mx0.18mmx0.18um





#9 TETRACOSANE-d50 (SURROGATE)

R.T.: 14.984 min
Delta R.T.: -0.002 mi
Response: 1319302
Conc: 10.76 ug/m

Instrument :
FID_G
ClientSampleId :
TP-53

11

A B C D E F G H I J

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG060425\
Data File : FG015922.D
Signal(s) : FID1A.ch
Acq On : 04 Jun 2025 18:17
Sample : Q2150-10
Misc :
ALS Vial : 31 Sample Multiplier: 1

Integration File: Sample.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG052225.M
Title :

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.324	4.300	4.330	BV	155	537	0.04%	0.007%
2	4.351	4.330	4.358	PV	122	931	0.06%	0.012%
3	4.366	4.358	4.378	VV	120	867	0.06%	0.011%
4	4.385	4.378	4.396	VV	119	719	0.05%	0.009%
5	4.402	4.396	4.412	VV	116	711	0.05%	0.009%
6	4.422	4.412	4.428	PV	170	1057	0.07%	0.013%
7	4.433	4.428	4.438	VV	154	668	0.04%	0.008%
8	4.443	4.438	4.447	VV	168	535	0.04%	0.007%
9	4.490	4.447	4.506	VV	304	5831	0.38%	0.072%
10	4.509	4.506	4.555	VV	200	3381	0.22%	0.042%
11	4.559	4.555	4.568	VV	124	680	0.04%	0.008%
12	4.577	4.568	4.584	VV	116	806	0.05%	0.010%
13	4.589	4.584	4.597	VV	127	667	0.04%	0.008%
14	4.613	4.597	4.628	VV	244	2913	0.19%	0.036%
15	4.633	4.628	4.643	VV	159	1002	0.07%	0.012%
16	4.660	4.643	4.687	VV	264	4385	0.29%	0.054%
17	4.694	4.687	4.703	VV	183	1170	0.08%	0.014%
18	4.710	4.703	4.717	VV	142	990	0.07%	0.012%
19	4.740	4.717	4.746	VV	233	2847	0.19%	0.035%
20	4.750	4.746	4.758	VV	175	1173	0.08%	0.015%
21	4.764	4.758	4.773	VV	229	1648	0.11%	0.020%
22	4.776	4.773	4.783	VV	185	937	0.06%	0.012%
23	4.803	4.783	4.837	VV	190	5388	0.36%	0.067%
24	4.842	4.837	4.867	VV	186	2777	0.18%	0.034%
25	4.869	4.867	4.874	VV	167	649	0.04%	0.008%
26	4.905	4.874	4.912	VV	287	5114	0.34%	0.063%
27	4.915	4.912	4.921	VV	336	1587	0.10%	0.020%
28	4.929	4.921	4.953	VV	376	6341	0.42%	0.078%
29	4.956	4.953	4.970	VV	345	2942	0.19%	0.036%
30	4.972	4.970	4.977	VV	307	1099	0.07%	0.014%
31	4.981	4.977	4.986	VV	294	1387	0.09%	0.017%
32	4.999	4.986	5.028	VV	316	5926	0.39%	0.073%
33	5.032	5.028	5.045	VV	238	1867	0.12%	0.023%
34	5.049	5.045	5.065	VV	192	2192	0.14%	0.027%
35	5.068	5.065	5.084	VV	215	2167	0.14%	0.027%
36	5.091	5.084	5.097	VV	226	1379	0.09%	0.017%

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37	5.103	5.097	5.120	VV	221	2405	0.16%	0.030%
38	5.125	5.120	5.134	VV	223	1305	0.09%	0.016%
39	5.153	5.134	5.174	VV	258	4315	0.28%	0.053%
40	5.200	5.174	5.232	VV	220	4762	0.31%	0.059%
41	5.239	5.232	5.248	VV	203	1200	0.08%	0.015%
42	5.252	5.248	5.259	VV	166	792	0.05%	0.010%
43	5.267	5.259	5.272	VV	189	877	0.06%	0.011%
44	5.283	5.272	5.295	VV	159	1329	0.09%	0.016%
45	5.309	5.295	5.316	VV	180	1694	0.11%	0.021%
46	5.321	5.316	5.344	VV	216	1924	0.13%	0.024%
47	5.357	5.344	5.372	VV	159	1760	0.12%	0.022%
48	5.380	5.372	5.421	VV	117	2991	0.20%	0.037%
49	5.429	5.421	5.433	VV	148	566	0.04%	0.007%
50	5.437	5.433	5.448	VV	153	734	0.05%	0.009%
51	5.471	5.448	5.493	VV	174	3014	0.20%	0.037%
52	5.512	5.493	5.539	VV	168	2133	0.14%	0.026%
53	5.549	5.539	5.587	PV	125	2333	0.15%	0.029%
54	5.600	5.587	5.606	VV	150	892	0.06%	0.011%
55	5.629	5.606	5.653	VV	215	3230	0.21%	0.040%
56	5.657	5.653	5.679	VV	122	1124	0.07%	0.014%
57	5.691	5.679	5.696	VV	93	548	0.04%	0.007%
58	5.699	5.696	5.702	VV	80	216	0.01%	0.003%
59	5.727	5.702	5.753	VV	217	4050	0.27%	0.050%
60	5.757	5.753	5.763	VV	171	801	0.05%	0.010%
61	5.784	5.763	5.808	VV	141	2622	0.17%	0.032%
62	5.824	5.808	5.840	VV	146	1956	0.13%	0.024%
63	5.844	5.840	5.853	VV	120	671	0.04%	0.008%
64	5.869	5.853	5.881	VV	134	1654	0.11%	0.020%
65	5.888	5.881	5.891	VV	129	505	0.03%	0.006%
66	5.916	5.891	5.948	VV	220	4914	0.32%	0.061%
67	5.972	5.948	5.992	VV	158	2858	0.19%	0.035%
68	6.002	5.992	6.009	VV	137	1231	0.08%	0.015%
69	6.016	6.009	6.022	VV	144	906	0.06%	0.011%
70	6.031	6.022	6.036	VV	146	1100	0.07%	0.014%
71	6.040	6.036	6.062	VV	148	1621	0.11%	0.020%
72	6.067	6.062	6.077	VV	156	1035	0.07%	0.013%
73	6.088	6.077	6.095	VV	184	1550	0.10%	0.019%
74	6.099	6.095	6.106	VV	164	823	0.05%	0.010%
75	6.112	6.106	6.118	VV	137	897	0.06%	0.011%
76	6.124	6.118	6.132	VV	358	1179	0.08%	0.015%
77	6.137	6.132	6.149	VV	152	1247	0.08%	0.015%
78	6.154	6.149	6.186	VV	169	2791	0.18%	0.035%
79	6.223	6.186	6.226	VV	216	3406	0.22%	0.042%
80	6.231	6.226	6.235	VV	200	893	0.06%	0.011%
81	6.238	6.235	6.241	VV	198	536	0.04%	0.007%
82	6.244	6.241	6.258	VV	194	1706	0.11%	0.021%
83	6.267	6.258	6.303	VV	237	4501	0.30%	0.056%
84	6.308	6.303	6.325	VV	264	2582	0.17%	0.032%
85	6.340	6.325	6.368	VV	260	5457	0.36%	0.067%
86	6.379	6.368	6.412	VV	407	7654	0.50%	0.095%
87	6.424	6.412	6.456	VV	269	6045	0.40%	0.075%
88	6.465	6.456	6.472	VV	248	2213	0.15%	0.027%
89	6.475	6.472	6.489	VV	235	2143	0.14%	0.026%

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90	6.493	6.489	6.529	VV	221	5144	0.34%	0.064%
91	6.551	6.529	6.592	VV	415	10646	0.70%	0.132%
92	6.602	6.592	6.617	VV	256	3296	0.22%	0.041%
93	6.621	6.617	6.661	VV	312	5809	0.38%	0.072%
94	6.680	6.661	6.714	VV	287	7147	0.47%	0.088%
95	6.723	6.714	6.752	VV	249	5058	0.33%	0.063%
96	6.779	6.752	6.807	VV	268	7008	0.46%	0.087%
97	6.857	6.807	6.867	VV	277	7457	0.49%	0.092%
98	6.898	6.867	6.916	VV	277	6467	0.43%	0.080%
99	6.925	6.916	6.935	VV	248	2563	0.17%	0.032%
100	6.958	6.935	6.975	VV	286	5539	0.37%	0.069%
101	6.981	6.975	6.990	VV	215	1884	0.12%	0.023%
102	6.997	6.990	7.045	VV	238	5947	0.39%	0.074%
103	7.086	7.045	7.134	VV	188	7235	0.48%	0.089%
104	7.237	7.134	7.249	VV	375	14190	0.94%	0.175%
105	7.252	7.249	7.268	VV	343	3645	0.24%	0.045%
106	7.278	7.268	7.324	VV	330	9508	0.63%	0.118%
107	7.360	7.324	7.375	VV	472	10629	0.70%	0.131%
108	7.382	7.375	7.432	VV	381	9804	0.65%	0.121%
109	7.450	7.432	7.485	VV	277	7185	0.47%	0.089%
110	7.489	7.485	7.497	VV	238	1377	0.09%	0.017%
111	7.517	7.497	7.559	VV	265	8148	0.54%	0.101%
112	7.565	7.559	7.579	VV	232	2253	0.15%	0.028%
113	7.587	7.579	7.599	VV	231	2139	0.14%	0.026%
114	7.621	7.599	7.705	VV	261	9347	0.62%	0.116%
115	7.712	7.705	7.775	VV	95	2693	0.18%	0.033%
116	7.781	7.775	7.788	VV	78	430	0.03%	0.005%
117	7.800	7.788	7.814	VV	85	730	0.05%	0.009%
118	7.822	7.814	7.834	VV	52	567	0.04%	0.007%
119	7.839	7.834	7.872	VV	97	1221	0.08%	0.015%
120	7.901	7.872	7.969	VV	1209	16711	1.10%	0.207%
121	7.977	7.969	8.012	PV	75	888	0.06%	0.011%
122	8.074	8.012	8.106	VV	1260	18092	1.19%	0.224%
123	8.128	8.106	8.170	VV	113	2528	0.17%	0.031%
124	8.207	8.170	8.231	PV	107	2445	0.16%	0.030%
125	8.251	8.231	8.271	VV	131	2041	0.13%	0.025%
126	8.281	8.271	8.315	VV	164	2803	0.18%	0.035%
127	8.325	8.315	8.356	VV	183	2419	0.16%	0.030%
128	8.389	8.356	8.400	VV	177	2871	0.19%	0.036%
129	8.408	8.400	8.420	VV	170	1808	0.12%	0.022%
130	8.473	8.420	8.494	VV	1083	19439	1.28%	0.240%
131	8.508	8.494	8.580	VV	555	17534	1.16%	0.217%
132	8.638	8.580	8.726	VV	530	26106	1.72%	0.323%
133	8.732	8.726	8.784	VV	171	3155	0.21%	0.039%
134	8.791	8.784	8.810	VV	67	439	0.03%	0.005%
135	8.864	8.810	8.899	VV	415	5097	0.34%	0.063%
136	8.940	8.899	8.975	VV	348	8276	0.55%	0.102%
137	8.998	8.975	9.109	VV	234	11779	0.78%	0.146%
138	9.143	9.109	9.192	VV	155	4422	0.29%	0.055%
139	9.234	9.192	9.301	VV	542	13601	0.90%	0.168%
140	9.336	9.301	9.364	VV	509	7520	0.50%	0.093%
141	9.381	9.364	9.465	VV	259	5487	0.36%	0.068%

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142	9.492	9.465	9.507	PV	72	1211	0.08%	0.015%
143	9.527	9.507	9.552	VV	180	2780	0.18%	0.034%
144	9.562	9.552	9.577	VV	147	1187	0.08%	0.015%
145	9.579	9.577	9.589	VV	97	421	0.03%	0.005%
146	9.616	9.589	9.655	VV	189	3923	0.26%	0.049%
147	9.668	9.655	9.684	PV	176	1792	0.12%	0.022%
148	9.723	9.684	9.829	VV	634	25708	1.69%	0.318%
149	9.842	9.829	9.853	VV	243	2728	0.18%	0.034%
150	9.873	9.853	9.915	VV	302	6526	0.43%	0.081%
151	9.949	9.915	9.965	VV	700	7899	0.52%	0.098%
152	9.991	9.965	10.105	VV	48908	1112644	73.34%	13.761%
153	10.113	10.105	10.213	VV	3391	133564	8.80%	1.652%
154	10.224	10.213	10.425	VV	1281	79814	5.26%	0.987%
155	10.460	10.425	10.625	VV	15335	282321	18.61%	3.492%
156	10.639	10.625	10.665	VV	342	7219	0.48%	0.089%
157	10.682	10.665	10.698	VV	343	5695	0.38%	0.070%
158	10.727	10.698	10.805	VV	546	19150	1.26%	0.237%
159	10.859	10.805	10.907	VV	764	23955	1.58%	0.296%
160	10.930	10.907	10.949	VV	409	8066	0.53%	0.100%
161	10.960	10.949	11.035	VV	396	11915	0.79%	0.147%
162	11.051	11.035	11.062	VV	112	1606	0.11%	0.020%
163	11.079	11.062	11.108	VV	190	3569	0.24%	0.044%
164	11.141	11.108	11.215	PV	1386	52672	3.47%	0.651%
165	11.230	11.215	11.272	VV	657	18974	1.25%	0.235%
166	11.288	11.272	11.357	VV	404	14260	0.94%	0.176%
167	11.368	11.357	11.415	VV	225	4579	0.30%	0.057%
168	11.443	11.415	11.470	VV	140	2203	0.15%	0.027%
169	11.502	11.470	11.530	PV	240	5312	0.35%	0.066%
170	11.565	11.530	11.597	VV	648	11102	0.73%	0.137%
171	11.646	11.597	11.702	VV	760	16197	1.07%	0.200%
172	11.723	11.702	11.742	VV	502	6364	0.42%	0.079%
173	11.761	11.742	11.784	VV	370	5520	0.36%	0.068%
174	11.806	11.784	11.826	VV	182	2278	0.15%	0.028%
175	11.857	11.826	11.867	PV	360	5774	0.38%	0.071%
176	11.881	11.867	11.904	VV	482	6995	0.46%	0.087%
177	11.989	11.904	12.028	VV	1716	49678	3.27%	0.614%
178	12.048	12.028	12.102	VV	1350	27272	1.80%	0.337%
179	12.122	12.102	12.161	VV	406	8785	0.58%	0.109%
180	12.172	12.161	12.182	VV	200	1342	0.09%	0.017%
181	12.208	12.182	12.217	VV	336	3923	0.26%	0.049%
182	12.237	12.217	12.264	VV	546	8697	0.57%	0.108%
183	12.287	12.264	12.307	VV	221	3870	0.26%	0.048%
184	12.332	12.307	12.375	VV	574	11068	0.73%	0.137%
185	12.384	12.375	12.410	VV	206	2727	0.18%	0.034%
186	12.440	12.410	12.457	PV	288	3972	0.26%	0.049%
187	12.497	12.457	12.549	VV	14653	196570	12.96%	2.431%
188	12.556	12.549	12.569	VV	923	10047	0.66%	0.124%
189	12.589	12.569	12.644	VV	1494	40187	2.65%	0.497%
190	12.660	12.644	12.675	VV	613	9619	0.63%	0.119%
191	12.701	12.675	12.730	VV	707	15113	1.00%	0.187%
192	12.752	12.730	12.775	VV	964	13104	0.86%	0.162%
193	12.802	12.775	12.821	VV	1150	17990	1.19%	0.223%
194	12.835	12.821	12.846	VV	673	8836	0.58%	0.109%

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195	12.873	12.846	12.919	VV	1101	29873	1.97%	0.369%
196	12.955	12.919	13.042	VV	8522	160788	10.60%	1.989%
197	13.053	13.042	13.062	VV	188	1911	0.13%	0.024%
198	13.086	13.062	13.115	VV	493	10549	0.70%	0.130%
199	13.134	13.115	13.162	VV	561	9354	0.62%	0.116%
200	13.201	13.162	13.219	PV	218	3390	0.22%	0.042%
201	13.253	13.219	13.314	VV	3205	88734	5.85%	1.097%
202	13.322	13.314	13.343	VV	947	12424	0.82%	0.154%
203	13.364	13.343	13.394	VV	725	16160	1.07%	0.200%
204	13.402	13.394	13.414	VV	415	4116	0.27%	0.051%
205	13.438	13.414	13.472	VV	519	11329	0.75%	0.140%
206	13.493	13.472	13.532	PV	914	16801	1.11%	0.208%
207	13.550	13.532	13.580	VV	429	8057	0.53%	0.100%
208	13.624	13.580	13.640	VV	527	9997	0.66%	0.124%
209	13.670	13.640	13.692	VV	585	13139	0.87%	0.163%
210	13.716	13.692	13.755	VV	1018	21688	1.43%	0.268%
211	13.765	13.755	13.787	VV	359	4562	0.30%	0.056%
212	13.902	13.787	13.912	PV	1054	34627	2.28%	0.428%
213	13.924	13.912	13.950	VV	812	14948	0.99%	0.185%
214	14.034	13.950	14.058	VV	2549	62815	4.14%	0.777%
215	14.080	14.058	14.104	VV	1369	25714	1.70%	0.318%
216	14.125	14.104	14.150	VV	1052	23194	1.53%	0.287%
217	14.199	14.150	14.265	VV	4466	91115	6.01%	1.127%
218	14.306	14.265	14.350	VV	983	41303	2.72%	0.511%
219	14.380	14.350	14.415	VV	953	33015	2.18%	0.408%
220	14.478	14.415	14.535	VV	2751	111914	7.38%	1.384%
221	14.581	14.535	14.615	VV	1687	68658	4.53%	0.849%
222	14.643	14.615	14.666	VV	2786	61178	4.03%	0.757%
223	14.677	14.666	14.687	VV	1956	23029	1.52%	0.285%
224	14.749	14.687	14.770	VV	2277	101690	6.70%	1.258%
225	14.805	14.770	14.827	VV	2234	73220	4.83%	0.906%
226	14.844	14.827	14.860	VV	2189	40663	2.68%	0.503%
227	14.889	14.860	14.908	VV	2305	60467	3.99%	0.748%
228	14.918	14.908	14.945	VV	2203	44236	2.92%	0.547%
229	14.984	14.945	15.094	VV	99776	1517020	100.00%	18.762%
230	15.154	15.094	15.172	VV	3677	110591	7.29%	1.368%
231	15.189	15.172	15.262	VV	4288	140676	9.27%	1.740%
232	15.269	15.262	15.287	VV	1473	21935	1.45%	0.271%
233	15.303	15.287	15.340	VV	1457	43573	2.87%	0.539%
234	15.381	15.340	15.423	VV	1908	66640	4.39%	0.824%
235	15.447	15.423	15.467	VV	1143	28307	1.87%	0.350%
236	15.501	15.467	15.509	VV	1233	28779	1.90%	0.356%
237	15.519	15.509	15.537	VV	1254	18727	1.23%	0.232%
238	15.570	15.537	15.672	VV	37468	731325	48.21%	9.045%
239	15.709	15.672	15.752	VV	3277	86706	5.72%	1.072%
240	15.775	15.752	15.809	VV	2567	46875	3.09%	0.580%
241	15.836	15.809	15.879	VV	1363	36049	2.38%	0.446%
242	15.885	15.879	15.910	VV	702	9423	0.62%	0.117%
243	15.925	15.910	15.935	VV	443	5991	0.39%	0.074%
244	15.999	15.935	16.065	VV	691	34753	2.29%	0.430%
245	16.092	16.065	16.141	VV	1227	26492	1.75%	0.328%
246	16.170	16.141	16.187	PV	272	4354	0.29%	0.054%

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247	16.211	16.187	16.244	VV	2230	30522	2.01%	0.377%
248	16.280	16.244	16.297	VV	201	3906	0.26%	0.048%
249	16.349	16.297	16.370	PV	355	7591	0.50%	0.094%
250	16.422	16.370	16.436	PV	403	11027	0.73%	0.136%
251	16.503	16.436	16.539	VV	1892	37040	2.44%	0.458%
252	16.590	16.539	16.632	VV	4873	108052	7.12%	1.336%
253	16.657	16.632	16.670	VV	1117	22969	1.51%	0.284%
254	16.697	16.670	16.713	VV	3035	50189	3.31%	0.621%
255	16.724	16.713	16.740	VV	1949	28032	1.85%	0.347%
256	16.772	16.740	16.815	VV	1676	49471	3.26%	0.612%
257	16.858	16.815	16.872	VV	744	15536	1.02%	0.192%
258	16.887	16.872	16.918	VV	567	9414	0.62%	0.116%
259	16.986	16.918	17.015	VV	905	26952	1.78%	0.333%
260	17.050	17.015	17.077	VV	1462	30351	2.00%	0.375%
261	17.113	17.077	17.132	VV	1383	26505	1.75%	0.328%
262	17.163	17.132	17.195	VV	3485	58588	3.86%	0.725%
263	17.210	17.195	17.225	VV	721	8618	0.57%	0.107%
264	17.245	17.225	17.255	VV	663	7722	0.51%	0.096%
265	17.266	17.255	17.285	VV	394	3588	0.24%	0.044%
266	17.330	17.285	17.347	PV	770	16707	1.10%	0.207%
267	17.419	17.347	17.430	VV	1046	33310	2.20%	0.412%
268	17.444	17.430	17.457	VV	887	11798	0.78%	0.146%
269	17.476	17.457	17.483	VV	1430	17848	1.18%	0.221%
270	17.532	17.483	17.571	VV	2957	102166	6.73%	1.264%
271	17.582	17.571	17.591	VV	1619	17786	1.17%	0.220%
272	17.613	17.591	17.659	VV	5198	97143	6.40%	1.201%
273	17.706	17.659	17.724	VV	2026	45734	3.01%	0.566%
274	17.734	17.724	17.762	VV	1049	17011	1.12%	0.210%
275	17.778	17.762	17.793	PV	1050	10236	0.67%	0.127%
276	17.814	17.793	17.825	PV	788	7676	0.51%	0.095%
277	17.845	17.825	17.864	VV	1081	11503	0.76%	0.142%
278	17.899	17.864	17.910	PV	878	11464	0.76%	0.142%
			Sum of corrected areas:			8085546		

FG052225.M Thu Jun 05 06:15:52 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG060425\
Data File : FG015912.D
Signal(s) : FID1A.ch
Acq On : 04 Jun 2025 12:48
Operator : YP\AJ
Sample : PB168274BL
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
PB168274BL

Integration File: autoint1.e
Quant Time: Jun 05 05:34:45 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG052225.M
Quant Title :
QLast Update : Thu May 22 06:20:25 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : Rxi-1ms
Signal Info : 20mx0.18mmx0.18um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
9) S TETRACOSANE-d50 (SURR...	14.981	1923041	15.690 ug/ml
Target Compounds			

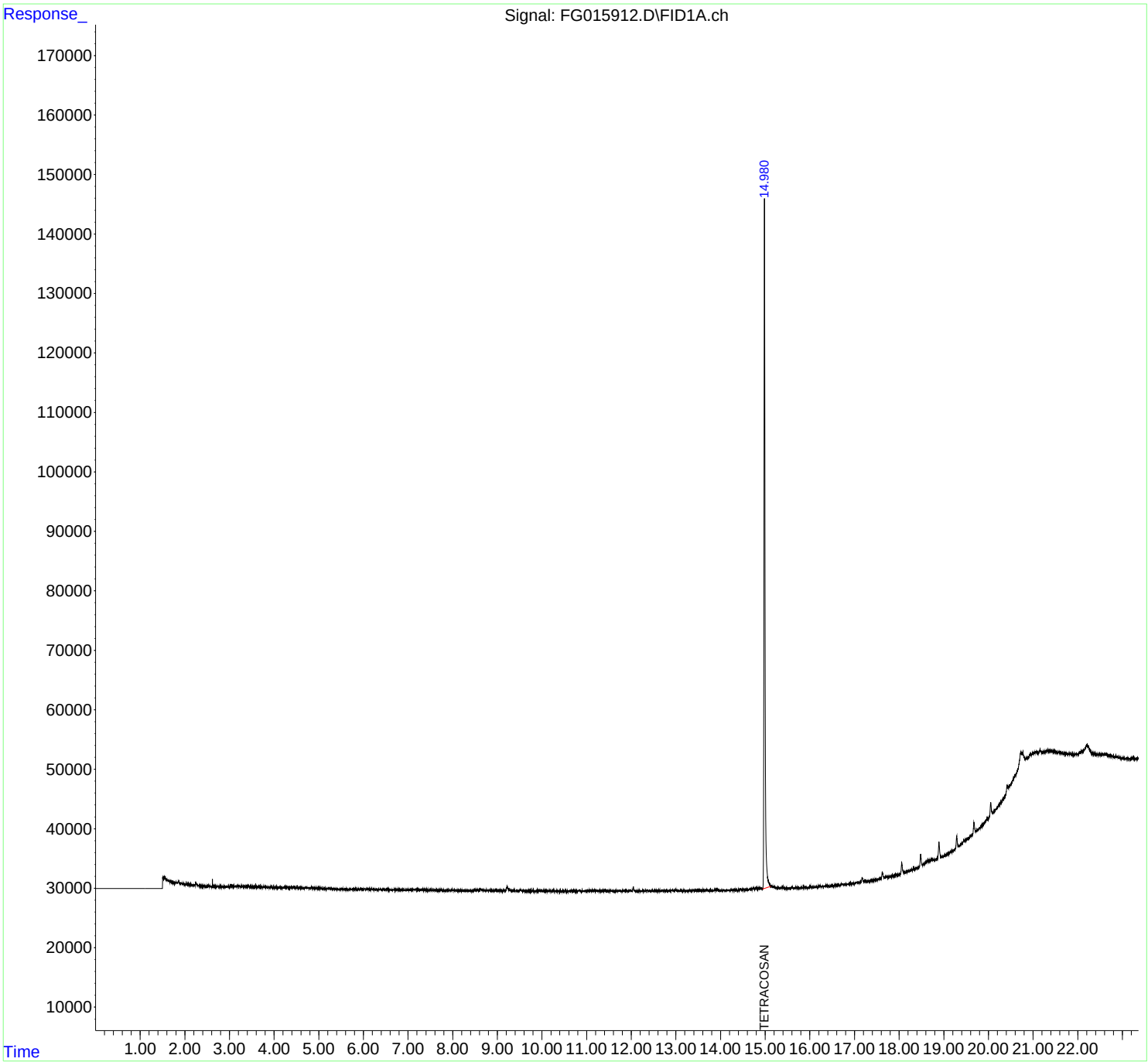
(f)=RT Delta > 1/2 Window (m)=manual int.

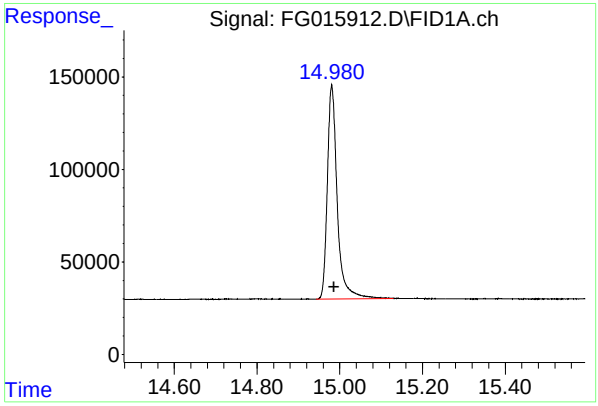
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG060425\
Data File : FG015912.D
Signal(s) : FID1A.ch
Acq On : 04 Jun 2025 12:48
Operator : YP\AJ
Sample : PB168274BL
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
PB168274BL

Integration File: autoint1.e
Quant Time: Jun 05 05:34:45 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG052225.M
Quant Title :
QLast Update : Thu May 22 06:20:25 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : Rxi-1ms
Signal Info : 20mx0.18mmx0.18um





#9 TETRACOSANE-d50 (SURROGATE)

R.T.: 14.981 min
Delta R.T.: -0.006 mi
Response: 1923041
Conc: 15.69 ug/m

Instrument :
FID_G
ClientSampleId :
PB168274BL

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A B C D E F G H I J

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG060425\
Data File : FG015912.D
Signal(s) : FID1A.ch
Acq On : 04 Jun 2025 12:48
Sample : PB168274BL
Misc :
ALS Vial : 21 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG052225.M
Title :

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	14.981	14.943	15.129	BB	115708	1923041	100.00%	100.000%
			Sum of corrected areas:			1923041		

FG052225.M Thu Jun 05 06:04:25 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG060425\
Data File : FG015913.D
Signal(s) : FID1A.ch
Acq On : 04 Jun 2025 13:17
Operator : YP\AJ
Sample : PB168274BS
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
PB168274BS

Integration File: autoint1.e
Quant Time: Jun 05 05:35:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG052225.M
Quant Title :
QLast Update : Thu May 22 06:20:25 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : Rxi-1ms
Signal Info : 20mx0.18mmx0.18um

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
9)	S TETRACOSANE-d50 (SURR...	14.979	1999645	16.315 ug/ml
	Target Compounds			
2)	N-DECANE	4.483	2058281	17.517 ug/ml
3)	N-DODECANE	6.666	2205259	18.169 ug/ml
4)	N-TETRADECANE	8.502	2229797	17.463 ug/ml
5)	N-HEXADECANE	10.114	2341670	17.576 ug/ml
6)	N-OCTADECANE	11.562	2475247	17.936 ug/ml
7)	N-EICOSANE	12.875	2462652	17.431 ug/ml
8)	N-DOCOSANE	14.077	2451579	17.847 ug/ml
10)	N-TETRACOSANE	15.183	2442294	17.766 ug/ml
11)	N-HEXACOSANE	16.207	2373228	17.467 ug/ml
12)	N-OCTACOSANE	17.159	2306831	17.110 ug/ml

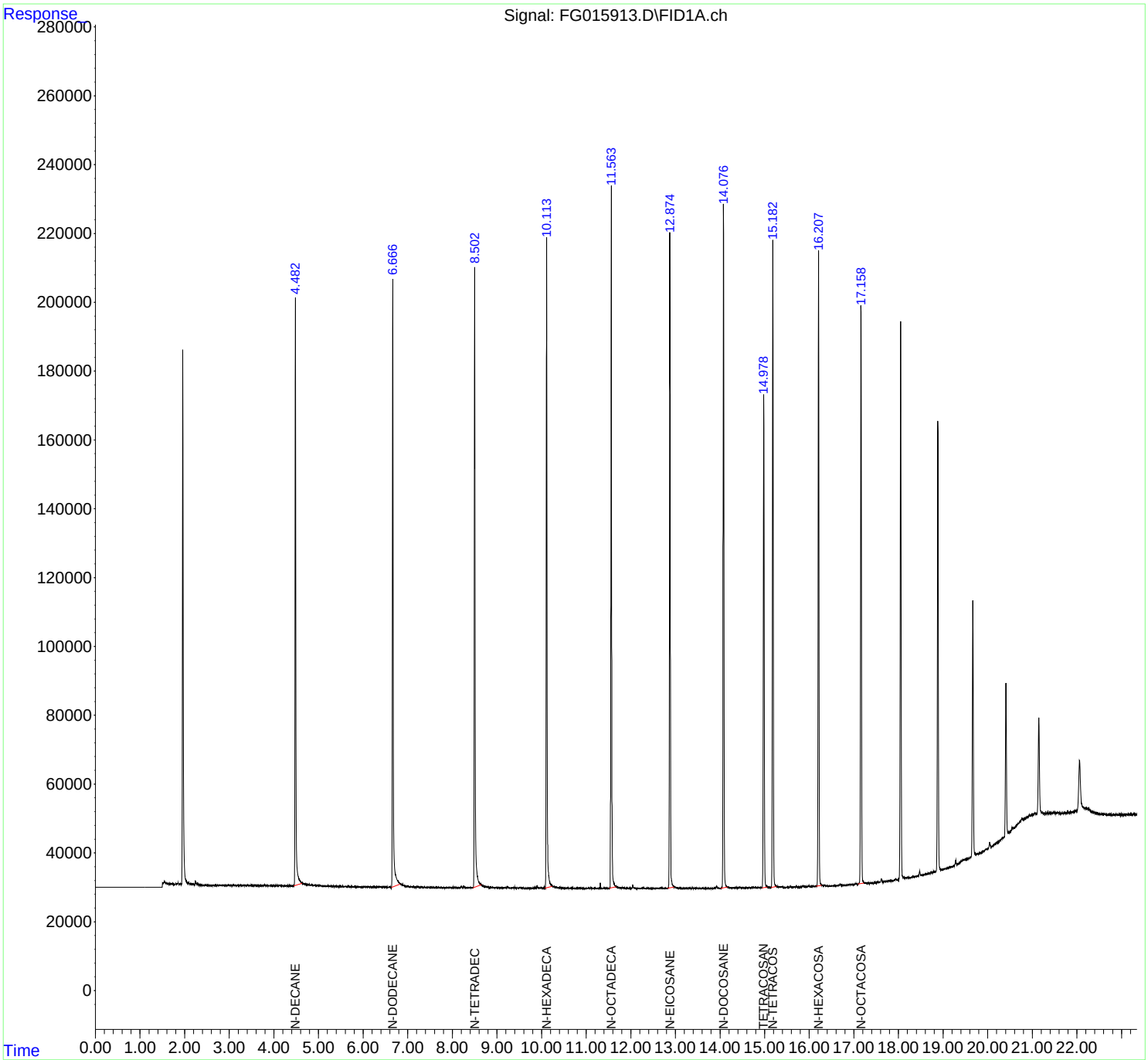
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG060425\
Data File : FG015913.D
Signal(s) : FID1A.ch
Acq On : 04 Jun 2025 13:17
Operator : YP\AJ
Sample : PB168274BS
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
PB168274BS

Integration File: autoint1.e
Quant Time: Jun 05 05:35:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG052225.M
Quant Title :
QLast Update : Thu May 22 06:20:25 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : Rxi-1ms
Signal Info : 20mx0.18mmx0.18um



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG060425\
Data File : FG015913.D
Signal(s) : FID1A.ch
Acq On : 04 Jun 2025 13:17
Sample : PB168274BS
Misc :
ALS Vial : 22 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG052225.M
Title :

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.483	4.438	4.633	BB	170242	2058281	83.15%	8.121%
2	6.666	6.632	6.835	BB	176631	2205259	89.09%	8.700%
3	8.502	8.458	8.645	BB	179981	2229797	90.08%	8.797%
4	10.114	10.072	10.243	BB	188107	2341670	94.60%	9.239%
5	11.562	11.515	11.676	BB	203620	2475247	100.00%	9.766%
6	12.875	12.829	12.974	BB	190008	2462652	99.49%	9.716%
7	14.077	14.026	14.168	BB	198348	2451579	99.04%	9.672%
8	14.979	14.938	15.062	BB	141209	1999645	80.79%	7.889%
9	15.183	15.143	15.266	BB	187778	2442294	98.67%	9.636%
10	16.207	16.153	16.281	BB	181544	2373228	95.88%	9.363%
11	17.159	17.090	17.227	BB	167873	2306831	93.20%	9.101%
			Sum of corrected areas:			25346483		

FG052225.M Thu Jun 05 06:04:52 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF060425\
Data File : FF015898.D
Signal(s) : FID2B.ch
Acq On : 04 Jun 2025 13:17
Operator : YP\AJ
Sample : Q2150-09MS
Misc :
ALS Vial : 72 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
TP-54MS

Integration File: autoint1.e
Quant Time: Jun 05 03:02:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\FF052125.M
Quant Title :
QLast Update : Wed May 21 12:32:51 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : Rxi-1ms
Signal Info : 20mx0.18mmx0.18um

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
9)	S TETRACOSANE-d50 (SURR...	15.018	1337224	10.949 ug/ml
	Target Compounds			
2)	N-DECANE	4.566	2737827	23.097 ug/ml
3)	N-DODECANE	6.734	3059588	24.317 ug/ml
4)	N-TETRADECANE	8.561	3103444	24.734 ug/ml
5)	N-HEXADECANE	10.167	3829099	29.195 ug/ml
6)	N-OCTADECANE	11.609	3435961	25.005 ug/ml
7)	N-EICOSANE	12.919	3419098	24.029 ug/ml
8)	N-DOCOSANE	14.118	3437804	24.747 ug/ml
10)	N-TETRACOSANE	15.221	3442508	24.698 ug/ml
11)	N-HEXACOSANE	16.243	3397310	24.495 ug/ml
12)	N-OCTACOSANE	17.193	3329989	24.223 ug/ml

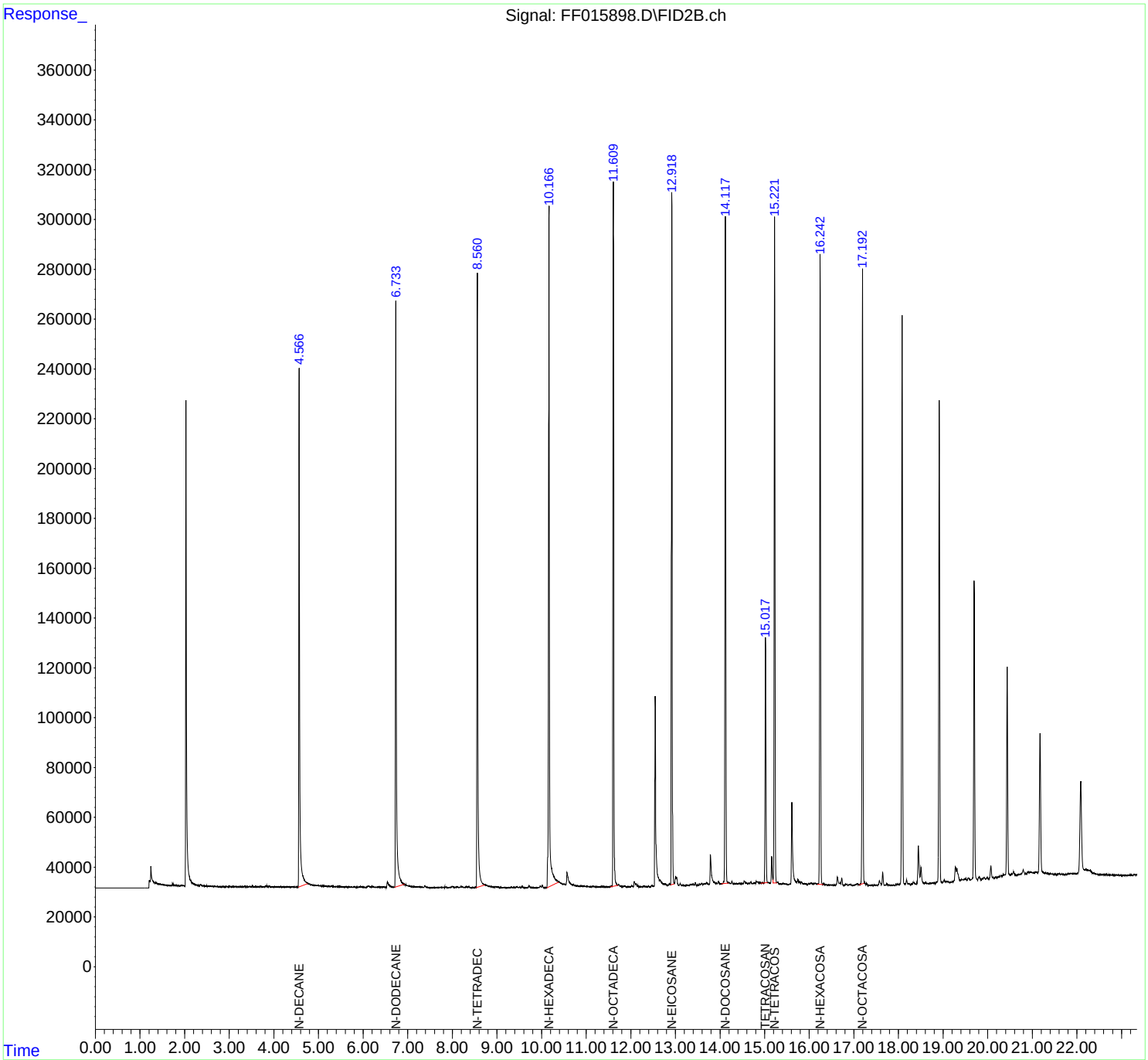
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF060425\
Data File : FF015898.D
Signal(s) : FID2B.ch
Acq On : 04 Jun 2025 13:17
Operator : YP\AJ
Sample : Q2150-09MS
Misc :
ALS Vial : 72 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
TP-54MS

Integration File: autoint1.e
Quant Time: Jun 05 03:02:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\FF052125.M
Quant Title :
QLast Update : Wed May 21 12:32:51 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : Rxi-1ms
Signal Info : 20mx0.18mmx0.18um



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF060425\
Data File : FF015898.D
Signal(s) : FID2B.ch
Acq On : 04 Jun 2025 13:17
Sample : Q2150-09MS
Misc :
ALS Vial : 72 Sample Multiplier: 1

Integration File: Sample.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\FF052125.M
Title :

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.566	4.506	4.795	BV	208236	2854611	69.02%	6.774%
2	4.799	4.795	4.825	VV	1180	19080	0.46%	0.045%
3	4.828	4.825	4.834	VV	999	5162	0.12%	0.012%
4	4.839	4.834	4.886	VV	948	26127	0.63%	0.062%
5	4.890	4.886	4.916	VV	780	12842	0.31%	0.030%
6	4.924	4.916	4.942	VV	742	10333	0.25%	0.025%
7	4.951	4.942	4.967	VV	687	9489	0.23%	0.023%
8	4.970	4.967	4.985	VV	681	6664	0.16%	0.016%
9	5.005	4.985	5.014	VV	646	10159	0.25%	0.024%
10	5.019	5.014	5.026	VV	598	4161	0.10%	0.010%
11	5.038	5.026	5.049	VV	587	7740	0.19%	0.018%
12	5.053	5.049	5.063	VV	565	4545	0.11%	0.011%
13	5.067	5.063	5.087	VV	601	7259	0.18%	0.017%
14	5.091	5.087	5.095	VV	538	2438	0.06%	0.006%
15	5.100	5.095	5.127	VV	548	9302	0.22%	0.022%
16	5.139	5.127	5.143	VV	503	4722	0.11%	0.011%
17	5.147	5.143	5.158	VV	482	4127	0.10%	0.010%
18	5.172	5.158	5.199	VV	471	10232	0.25%	0.024%
19	5.203	5.199	5.209	VV	436	2304	0.06%	0.005%
20	5.212	5.209	5.226	VV	472	3867	0.09%	0.009%
21	5.228	5.226	5.262	VV	404	7801	0.19%	0.019%
22	5.268	5.262	5.291	VV	396	5740	0.14%	0.014%
23	5.296	5.291	5.308	VV	417	3506	0.08%	0.008%
24	5.312	5.308	5.319	VV	360	1964	0.05%	0.005%
25	5.330	5.319	5.345	VV	370	4661	0.11%	0.011%
26	5.349	5.345	5.364	VV	328	3119	0.08%	0.007%
27	5.366	5.364	5.372	VV	277	1132	0.03%	0.003%
28	5.385	5.372	5.393	VV	272	3271	0.08%	0.008%
29	5.398	5.393	5.404	VV	298	1687	0.04%	0.004%
30	5.410	5.404	5.421	VV	266	2425	0.06%	0.006%
31	5.426	5.421	5.438	VV	302	2380	0.06%	0.006%
32	5.447	5.438	5.457	VV	547	2844	0.07%	0.007%
33	5.461	5.457	5.487	VV	251	4176	0.10%	0.010%
34	5.491	5.487	5.519	VV	248	4105	0.10%	0.010%
35	5.525	5.519	5.533	VV	222	1629	0.04%	0.004%
36	5.557	5.533	5.582	VV	241	5155	0.12%	0.012%

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37	5.587	5.582	5.594	VV	169	960	0.02%	0.002%
38	5.598	5.594	5.611	VV	184	1406	0.03%	0.003%
39	5.615	5.611	5.625	VV	168	1049	0.03%	0.002%
40	5.638	5.625	5.642	VV	233	1459	0.04%	0.003%
41	5.646	5.642	5.664	VV	147	1855	0.04%	0.004%
42	5.676	5.664	5.718	VV	225	4552	0.11%	0.011%
43	5.732	5.718	5.765	VV	167	2646	0.06%	0.006%
44	5.775	5.765	5.785	VV	165	1292	0.03%	0.003%
45	5.790	5.785	5.805	VV	134	1480	0.04%	0.004%
46	5.807	5.805	5.813	VV	185	505	0.01%	0.001%
47	5.817	5.813	5.821	VV	115	466	0.01%	0.001%
48	5.826	5.821	5.864	VV	144	1959	0.05%	0.005%
49	5.890	5.864	5.894	VV	198	1876	0.05%	0.004%
50	5.897	5.894	5.917	VV	162	1677	0.04%	0.004%
51	5.942	5.917	5.987	VV	379	8936	0.22%	0.021%
52	5.996	5.987	6.015	VV	172	2018	0.05%	0.005%
53	6.021	6.015	6.025	VV	161	626	0.02%	0.001%
54	6.039	6.025	6.052	VV	168	1490	0.04%	0.004%
55	6.056	6.052	6.060	VV	109	304	0.01%	0.001%
56	6.109	6.060	6.162	VV	564	19123	0.46%	0.045%
57	6.166	6.162	6.176	VV	293	2145	0.05%	0.005%
58	6.196	6.176	6.244	VV	424	11123	0.27%	0.026%
59	6.257	6.244	6.272	VV	216	2409	0.06%	0.006%
60	6.280	6.272	6.303	VV	172	2274	0.05%	0.005%
61	6.310	6.303	6.315	VV	170	922	0.02%	0.002%
62	6.339	6.315	6.351	VV	242	3583	0.09%	0.009%
63	6.357	6.351	6.365	VV	172	1249	0.03%	0.003%
64	6.374	6.365	6.378	VV	156	1115	0.03%	0.003%
65	6.443	6.378	6.501	VV	383	12960	0.31%	0.031%
66	6.508	6.501	6.524	VV	155	1408	0.03%	0.003%
67	6.545	6.524	6.615	VV	2241	63716	1.54%	0.151%
68	6.617	6.615	6.659	VV	547	8449	0.20%	0.020%
69	6.663	6.659	6.679	VV	236	2045	0.05%	0.005%
70	6.683	6.679	6.697	VV	179	1428	0.03%	0.003%
71	6.702	6.697	6.708	VV	164	900	0.02%	0.002%
72	6.734	6.708	6.954	VV	234948	3174033	76.74%	7.531%
73	6.961	6.954	6.975	VV	1147	12644	0.31%	0.030%
74	6.979	6.975	7.020	VV	952	20913	0.51%	0.050%
75	7.026	7.020	7.107	VV	734	26723	0.65%	0.063%
76	7.112	7.107	7.194	VV	432	18895	0.46%	0.045%
77	7.197	7.194	7.209	VV	355	2991	0.07%	0.007%
78	7.212	7.209	7.221	VV	325	2279	0.06%	0.005%
79	7.228	7.221	7.236	VV	352	2849	0.07%	0.007%
80	7.244	7.236	7.280	VV	358	7527	0.18%	0.018%
81	7.284	7.280	7.306	VV	302	3840	0.09%	0.009%
82	7.310	7.306	7.328	VV	244	2707	0.07%	0.006%
83	7.337	7.328	7.357	VV	258	3708	0.09%	0.009%
84	7.362	7.357	7.367	VV	223	1199	0.03%	0.003%
85	7.384	7.367	7.418	VV	849	14668	0.35%	0.035%
86	7.422	7.418	7.450	VV	263	3290	0.08%	0.008%
87	7.456	7.450	7.467	VV	119	944	0.02%	0.002%
88	7.474	7.467	7.495	VV	123	1407	0.03%	0.003%
89	7.500	7.495	7.543	PV	93	1228	0.03%	0.003%

rteres

90	7.559	7.543	7.565	PV	150	738	0.02%	0.002%
91	7.598	7.565	7.635	VV	200	4124	0.10%	0.010%
92	7.637	7.635	7.641	VV	129	321	0.01%	0.001%
93	7.647	7.641	7.660	VV	156	1128	0.03%	0.003%
94	7.667	7.660	7.674	VV	94	612	0.01%	0.001%
95	7.679	7.674	7.700	VV	97	848	0.02%	0.002%
96	7.718	7.700	7.737	VV	189	2644	0.06%	0.006%
97	7.743	7.737	7.748	VV	158	851	0.02%	0.002%
98	7.772	7.748	7.777	VV	221	2809	0.07%	0.007%
99	7.815	7.777	7.832	VV	248	6200	0.15%	0.015%
100	7.837	7.832	7.842	VV	286	1415	0.03%	0.003%
101	7.847	7.842	7.852	VV	234	1227	0.03%	0.003%
102	7.859	7.852	7.876	VV	239	2856	0.07%	0.007%
103	7.891	7.876	7.899	VV	208	2057	0.05%	0.005%
104	7.903	7.899	7.926	VV	171	2126	0.05%	0.005%
105	7.997	7.926	8.072	VV	691	27607	0.67%	0.066%
106	8.102	8.072	8.138	VV	481	13200	0.32%	0.031%
107	8.142	8.138	8.149	VV	256	1500	0.04%	0.004%
108	8.159	8.149	8.169	VV	293	3030	0.07%	0.007%
109	8.193	8.169	8.234	VV	564	16244	0.39%	0.039%
110	8.239	8.234	8.268	VV	316	5178	0.13%	0.012%
111	8.272	8.268	8.276	VV	261	917	0.02%	0.002%
112	8.279	8.276	8.284	VV	282	1141	0.03%	0.003%
113	8.307	8.284	8.343	VV	497	12083	0.29%	0.029%
114	8.358	8.343	8.402	VV	552	11822	0.29%	0.028%
115	8.410	8.402	8.427	VV	182	1416	0.03%	0.003%
116	8.450	8.427	8.482	PV	226	4785	0.12%	0.011%
117	8.515	8.482	8.529	VV	233	4427	0.11%	0.011%
118	8.561	8.529	8.692	VV	246431	3156909	76.33%	7.491%
119	8.697	8.692	8.722	VV	1569	25184	0.61%	0.060%
120	8.730	8.722	8.753	VV	1285	22095	0.53%	0.052%
121	8.756	8.753	8.842	VV	1148	45239	1.09%	0.107%
122	8.845	8.842	8.865	VV	578	6945	0.17%	0.016%
123	8.883	8.865	8.949	VV	665	22947	0.55%	0.054%
124	8.966	8.949	8.983	VV	525	8859	0.21%	0.021%
125	8.986	8.983	8.995	VV	412	2876	0.07%	0.007%
126	9.012	8.995	9.064	VV	579	14759	0.36%	0.035%
127	9.072	9.064	9.101	VV	308	5374	0.13%	0.013%
128	9.105	9.101	9.115	VV	211	1483	0.04%	0.004%
129	9.121	9.115	9.125	VV	213	1117	0.03%	0.003%
130	9.129	9.125	9.144	VV	225	2092	0.05%	0.005%
131	9.148	9.144	9.162	VV	201	2006	0.05%	0.005%
132	9.163	9.162	9.168	VV	222	542	0.01%	0.001%
133	9.183	9.168	9.198	VV	191	2599	0.06%	0.006%
134	9.240	9.198	9.269	VV	204	5707	0.14%	0.014%
135	9.278	9.269	9.284	VV	183	1295	0.03%	0.003%
136	9.289	9.284	9.294	VV	217	845	0.02%	0.002%
137	9.298	9.294	9.310	VV	163	1212	0.03%	0.003%
138	9.319	9.310	9.360	VV	328	7209	0.17%	0.017%
139	9.364	9.360	9.367	VV	272	960	0.02%	0.002%
140	9.379	9.367	9.397	VV	284	4421	0.11%	0.010%
141	9.403	9.397	9.416	VV	297	2862	0.07%	0.007%

rteres

142	9.457	9.416	9.469	VV	363	10024	0.24%	0.024%
143	9.472	9.469	9.484	VV	331	2631	0.06%	0.006%
144	9.511	9.484	9.543	VV	356	8714	0.21%	0.021%
145	9.570	9.543	9.648	VV	728	15633	0.38%	0.037%
146	9.717	9.648	9.759	VV	841	21040	0.51%	0.050%
147	9.763	9.759	9.791	VV	303	2895	0.07%	0.007%
148	9.801	9.791	9.833	VV	147	2270	0.05%	0.005%
149	9.848	9.833	9.856	PV	107	923	0.02%	0.002%
150	9.862	9.856	9.872	VV	109	524	0.01%	0.001%
151	9.874	9.872	9.896	VV	72	377	0.01%	0.001%
152	9.901	9.896	9.913	PV	23	338	0.01%	0.001%
153	9.931	9.913	9.945	VV	207	2967	0.07%	0.007%
154	9.972	9.945	9.997	VV	887	15426	0.37%	0.037%
155	10.016	9.997	10.064	VV	1148	18515	0.45%	0.044%
156	10.069	10.064	10.072	VV	94	405	0.01%	0.001%
157	10.084	10.072	10.099	VV	185	1889	0.05%	0.004%
158	10.114	10.099	10.121	VV	218	2161	0.05%	0.005%
159	10.167	10.121	10.487	VV	273457	4135930	100.00%	9.814%
160	10.492	10.487	10.506	VV	1491	16180	0.39%	0.038%
161	10.513	10.506	10.516	VV	1443	9055	0.22%	0.021%
162	10.521	10.516	10.547	VV	1558	25027	0.61%	0.059%
163	10.572	10.547	10.687	VV	6203	231327	5.59%	0.549%
164	10.709	10.687	10.742	VV	1252	36537	0.88%	0.087%
165	10.745	10.742	10.785	VV	920	20996	0.51%	0.050%
166	10.789	10.785	10.797	VV	772	5116	0.12%	0.012%
167	10.805	10.797	10.845	VV	733	17640	0.43%	0.042%
168	10.847	10.845	10.859	VV	504	4031	0.10%	0.010%
169	10.882	10.859	10.902	VV	829	16461	0.40%	0.039%
170	10.907	10.902	10.912	VV	489	2811	0.07%	0.007%
171	10.948	10.912	10.965	VV	710	18344	0.44%	0.044%
172	10.971	10.965	10.977	VV	576	3901	0.09%	0.009%
173	10.987	10.977	11.006	VV	599	9327	0.23%	0.022%
174	11.011	11.006	11.030	VV	546	7368	0.18%	0.017%
175	11.035	11.030	11.077	VV	515	11908	0.29%	0.028%
176	11.096	11.077	11.110	VV	404	7077	0.17%	0.017%
177	11.145	11.110	11.169	VV	600	16056	0.39%	0.038%
178	11.174	11.169	11.180	VV	443	2483	0.06%	0.006%
179	11.190	11.180	11.229	VV	440	10453	0.25%	0.025%
180	11.234	11.229	11.240	VV	290	1854	0.04%	0.004%
181	11.267	11.240	11.297	VV	381	10030	0.24%	0.024%
182	11.300	11.297	11.310	VV	245	1608	0.04%	0.004%
183	11.347	11.310	11.374	VV	441	13389	0.32%	0.032%
184	11.393	11.374	11.409	VV	461	7693	0.19%	0.018%
185	11.434	11.409	11.479	VV	424	14287	0.35%	0.034%
186	11.485	11.479	11.493	VV	261	1970	0.05%	0.005%
187	11.502	11.493	11.514	VV	311	3382	0.08%	0.008%
188	11.525	11.514	11.538	VV	338	4096	0.10%	0.010%
189	11.562	11.538	11.576	VV	612	10140	0.25%	0.024%
190	11.609	11.576	11.713	VV	281931	3484985	84.26%	8.269%
191	11.727	11.713	11.772	VV	1245	30138	0.73%	0.072%
192	11.775	11.772	11.819	VV	544	11230	0.27%	0.027%
193	11.851	11.819	11.879	VV	631	16120	0.39%	0.038%
194	11.884	11.879	11.921	VV	414	6962	0.17%	0.017%

rteres

195	11.928	11.921	11.969	VV	211	4420	0.11%	0.010%
196	11.971	11.969	11.974	VV	135	308	0.01%	0.001%
197	12.018	11.974	12.047	VV	662	17196	0.42%	0.041%
198	12.078	12.047	12.109	VV	2333	48626	1.18%	0.115%
199	12.117	12.109	12.195	VV	1352	35906	0.87%	0.085%
200	12.202	12.195	12.219	VV	285	3188	0.08%	0.008%
201	12.242	12.219	12.249	VV	317	4613	0.11%	0.011%
202	12.260	12.249	12.289	VV	316	5999	0.15%	0.014%
203	12.299	12.289	12.340	VV	499	10270	0.25%	0.024%
204	12.344	12.340	12.349	VV	238	1198	0.03%	0.003%
205	12.354	12.349	12.359	VV	306	1427	0.03%	0.003%
206	12.364	12.359	12.372	VV	299	1950	0.05%	0.005%
207	12.403	12.372	12.446	VV	457	10968	0.27%	0.026%
208	12.470	12.446	12.519	PV	748	20507	0.50%	0.049%
209	12.546	12.519	12.647	VV	76689	1210014	29.26%	2.871%
210	12.658	12.647	12.715	VV	2873	88775	2.15%	0.211%
211	12.737	12.715	12.761	VV	1368	34839	0.84%	0.083%
212	12.765	12.761	12.770	VV	1125	6288	0.15%	0.015%
213	12.785	12.770	12.834	VV	1286	34592	0.84%	0.082%
214	12.867	12.834	12.887	VV	1345	32257	0.78%	0.077%
215	12.919	12.887	12.980	VV	278115	3479758	84.13%	8.257%
216	13.001	12.980	13.014	VV	4311	62259	1.51%	0.148%
217	13.027	13.014	13.077	VV	3984	81605	1.97%	0.194%
218	13.103	13.077	13.146	VV	1323	37900	0.92%	0.090%
219	13.189	13.146	13.217	VV	725	25913	0.63%	0.061%
220	13.253	13.217	13.281	VV	879	25406	0.61%	0.060%
221	13.291	13.281	13.317	VV	668	13533	0.33%	0.032%
222	13.345	13.317	13.370	VV	1072	28900	0.70%	0.069%
223	13.395	13.370	13.424	VV	1132	31395	0.76%	0.074%
224	13.447	13.424	13.509	VV	1784	47094	1.14%	0.112%
225	13.545	13.509	13.558	VV	1209	25582	0.62%	0.061%
226	13.591	13.558	13.616	VV	1454	39861	0.96%	0.095%
227	13.641	13.616	13.652	VV	1097	22116	0.53%	0.052%
228	13.676	13.652	13.689	VV	1378	27494	0.66%	0.065%
229	13.706	13.689	13.744	VV	1500	42322	1.02%	0.100%
230	13.784	13.744	13.940	VV	12773	383089	9.26%	0.909%
231	13.965	13.940	14.010	VV	2170	66241	1.60%	0.157%
232	14.035	14.010	14.050	VV	1287	28016	0.68%	0.066%
233	14.118	14.050	14.190	VV	268546	3551398	85.87%	8.427%
234	14.201	14.190	14.245	VV	1715	47658	1.15%	0.113%
235	14.266	14.245	14.297	VV	2128	48278	1.17%	0.115%
236	14.309	14.297	14.329	VV	1187	21896	0.53%	0.052%
237	14.355	14.329	14.388	VV	1348	42534	1.03%	0.101%
238	14.433	14.388	14.472	VV	1333	59116	1.43%	0.140%
239	14.487	14.472	14.515	VV	1283	31211	0.75%	0.074%
240	14.543	14.515	14.627	VV	2249	103914	2.51%	0.247%
241	14.648	14.627	14.667	VV	1322	30488	0.74%	0.072%
242	14.689	14.667	14.744	VV	1894	63678	1.54%	0.151%
243	14.762	14.744	14.790	VV	1391	36580	0.88%	0.087%
244	14.815	14.790	14.830	VV	2025	41419	1.00%	0.098%
245	14.840	14.830	14.876	VV	1864	45659	1.10%	0.108%
246	14.897	14.876	14.922	VV	1682	40363	0.98%	0.096%

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247	14.942	14.922	14.980	VV	1533	49080	1.19%	0.116%
248	15.018	14.980	15.089	VV	100003	1431763	34.62%	3.397%
249	15.098	15.089	15.121	VV	1535	27784	0.67%	0.066%
250	15.157	15.121	15.186	VV	12058	196617	4.75%	0.467%
251	15.221	15.186	15.277	VV	267974	3519467	85.09%	8.351%
252	15.293	15.277	15.379	VV	1678	70628	1.71%	0.168%
253	15.427	15.379	15.460	VV	1165	49045	1.19%	0.116%
254	15.480	15.460	15.552	VV	925	43573	1.05%	0.103%
255	15.564	15.552	15.580	VV	861	13921	0.34%	0.033%
256	15.609	15.580	15.714	VV	33568	669231	16.18%	1.588%
257	15.744	15.714	15.765	VV	2762	61595	1.49%	0.146%
258	15.780	15.765	15.804	VV	2057	36664	0.89%	0.087%
259	15.821	15.804	15.875	VV	1845	54847	1.33%	0.130%
260	15.885	15.875	15.960	VV	1075	44203	1.07%	0.105%
261	15.986	15.960	16.022	VV	1095	33517	0.81%	0.080%
262	16.041	16.022	16.072	VV	1401	33791	0.82%	0.080%
263	16.085	16.072	16.100	VV	1024	16091	0.39%	0.038%
264	16.139	16.100	16.190	VV	1194	50501	1.22%	0.120%
265	16.243	16.190	16.310	VV	253415	3445131	83.30%	8.175%
266	16.332	16.310	16.367	VV	882	23188	0.56%	0.055%
267	16.380	16.367	16.404	VV	615	10926	0.26%	0.026%
268	16.415	16.404	16.435	VV	394	6812	0.16%	0.016%
269	16.452	16.435	16.483	VV	486	11184	0.27%	0.027%
270	16.495	16.483	16.515	VV	432	6540	0.16%	0.016%
271	16.547	16.515	16.582	VV	384	13132	0.32%	0.031%
272	16.630	16.582	16.672	VV	3558	80259	1.94%	0.190%
273	16.689	16.672	16.705	VV	1167	19471	0.47%	0.046%
274	16.728	16.705	16.794	VV	3058	55856	1.35%	0.133%
275	16.815	16.794	16.823	VV	634	8034	0.19%	0.019%
276	16.839	16.823	16.875	VV	651	14696	0.36%	0.035%
277	16.921	16.875	16.997	VV	539	25112	0.61%	0.060%
278	17.075	16.997	17.099	VV	763	29243	0.71%	0.069%
279	17.114	17.099	17.128	VV	528	7650	0.18%	0.018%
280	17.193	17.128	17.232	VV	247170	3375495	81.61%	8.010%
281	17.242	17.232	17.265	VV	1315	18717	0.45%	0.044%
282	17.284	17.265	17.338	VV	1058	20492	0.50%	0.049%
283	17.356	17.338	17.383	VV	191	2954	0.07%	0.007%
284	17.408	17.383	17.432	PV	153	2312	0.06%	0.005%
285	17.459	17.432	17.483	PV	140	2439	0.06%	0.006%

Sum of corrected areas: 42143480

FF052125.M Thu Jun 05 03:45:41 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF060425\
Data File : FF015899.D
Signal(s) : FID2B.ch
Acq On : 04 Jun 2025 13:47
Operator : YP\AJ
Sample : Q2150-09MSD
Misc :
ALS Vial : 73 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
TP-54MSD

Integration File: autoint1.e
Quant Time: Jun 05 03:03:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\FF052125.M
Quant Title :
QLast Update : Wed May 21 12:32:51 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : Rxi-1ms
Signal Info : 20mx0.18mmx0.18um

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
9)	S TETRACOSANE-d50 (SURR...	15.018	1399735	11.460 ug/ml
	Target Compounds			
2)	N-DECANE	4.565	2930687	24.724 ug/ml
3)	N-DODECANE	6.733	3253341	25.857 ug/ml
4)	N-TETRADECANE	8.561	3280951	26.149 ug/ml
5)	N-HEXADECANE	10.166	3913837	29.841 ug/ml
6)	N-OCTADECANE	11.610	3610967	26.279 ug/ml
7)	N-EICOSANE	12.919	3590330	25.233 ug/ml
8)	N-DOCOSANE	14.118	3609795	25.985 ug/ml
10)	N-TETRACOSANE	15.221	3611302	25.909 ug/ml
11)	N-HEXACOSANE	16.242	3562535	25.686 ug/ml
12)	N-OCTACOSANE	17.193	3497806	25.443 ug/ml

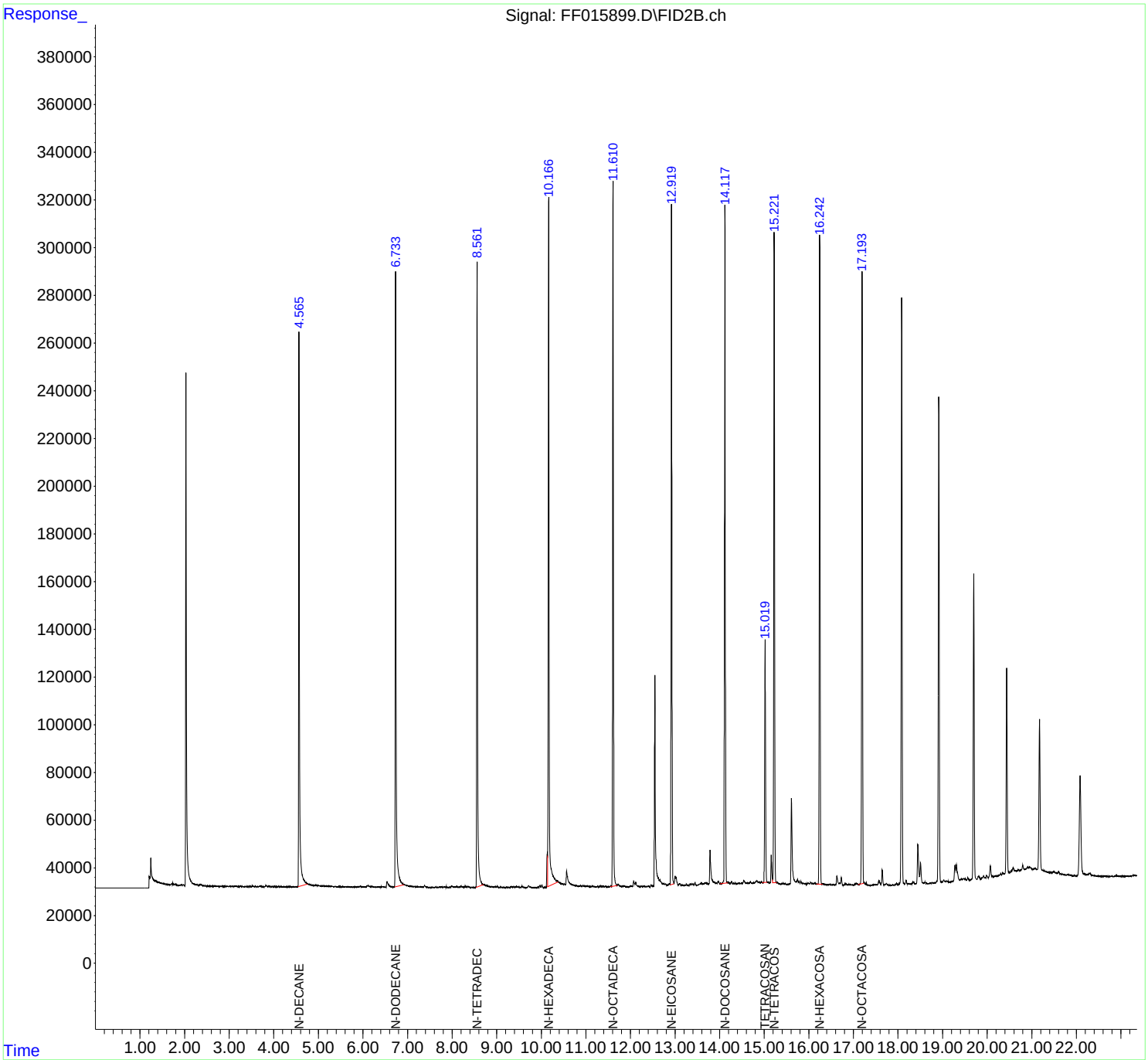
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF060425\
Data File : FF015899.D
Signal(s) : FID2B.ch
Acq On : 04 Jun 2025 13:47
Operator : YP\AJ
Sample : Q2150-09MSD
Misc :
ALS Vial : 73 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
TP-54MSD

Integration File: autoint1.e
Quant Time: Jun 05 03:03:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\FF052125.M
Quant Title :
QLast Update : Wed May 21 12:32:51 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : Rxi-1ms
Signal Info : 20mx0.18mmx0.18um



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF060425\
Data File : FF015899.D
Signal(s) : FID2B.ch
Acq On : 04 Jun 2025 13:47
Sample : Q2150-09MSD
Misc :
ALS Vial : 73 Sample Multiplier: 1

Integration File: Sample.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\FF052125.M
Title :

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.509	4.500	4.537	BV	87	931	0.02%	0.002%
2	4.565	4.537	4.813	PV	232492	3055502	69.39%	6.888%
3	4.819	4.813	4.885	VV	1036	35920	0.82%	0.081%
4	4.910	4.885	4.929	VV	761	17356	0.39%	0.039%
5	4.933	4.929	4.949	VV	703	8037	0.18%	0.018%
6	4.958	4.949	4.965	VV	711	6450	0.15%	0.015%
7	4.973	4.965	4.981	VV	691	6004	0.14%	0.014%
8	4.987	4.981	5.000	VV	624	6785	0.15%	0.015%
9	5.003	5.000	5.007	VV	575	2320	0.05%	0.005%
10	5.013	5.007	5.047	VV	624	13367	0.30%	0.030%
11	5.050	5.047	5.065	VV	539	5358	0.12%	0.012%
12	5.067	5.065	5.076	VV	631	3515	0.08%	0.008%
13	5.078	5.076	5.089	VV	535	3941	0.09%	0.009%
14	5.098	5.089	5.110	VV	567	6332	0.14%	0.014%
15	5.116	5.110	5.128	VV	531	5508	0.13%	0.012%
16	5.132	5.128	5.155	VV	509	7541	0.17%	0.017%
17	5.164	5.155	5.169	VV	494	3749	0.09%	0.008%
18	5.175	5.169	5.184	VV	526	4210	0.10%	0.009%
19	5.192	5.184	5.200	VV	447	3767	0.09%	0.008%
20	5.206	5.200	5.222	VV	420	5253	0.12%	0.012%
21	5.226	5.222	5.236	VV	457	3066	0.07%	0.007%
22	5.244	5.236	5.271	VV	417	7476	0.17%	0.017%
23	5.280	5.271	5.285	VV	378	2734	0.06%	0.006%
24	5.294	5.285	5.299	VV	323	2612	0.06%	0.006%
25	5.303	5.299	5.309	VV	381	1856	0.04%	0.004%
26	5.312	5.309	5.319	VV	320	1767	0.04%	0.004%
27	5.323	5.319	5.333	VV	329	2375	0.05%	0.005%
28	5.348	5.333	5.352	VV	287	2927	0.07%	0.007%
29	5.365	5.352	5.371	VV	281	2811	0.06%	0.006%
30	5.374	5.371	5.383	VV	270	1584	0.04%	0.004%
31	5.389	5.383	5.405	VV	202	2658	0.06%	0.006%
32	5.407	5.405	5.438	VV	280	4194	0.10%	0.009%
33	5.454	5.438	5.458	VV	247	2477	0.06%	0.006%
34	5.480	5.458	5.484	VV	285	2943	0.07%	0.007%
35	5.491	5.484	5.501	VV	265	1854	0.04%	0.004%
36	5.505	5.501	5.512	VV	212	1312	0.03%	0.003%

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37	5.517	5.512	5.539	VV	214	2799	0.06%	0.006%
38	5.548	5.539	5.566	VV	247	2661	0.06%	0.006%
39	5.569	5.566	5.573	VV	174	658	0.01%	0.001%
40	5.578	5.573	5.584	VV	178	834	0.02%	0.002%
41	5.588	5.584	5.601	VV	179	1329	0.03%	0.003%
42	5.605	5.601	5.618	VV	152	1261	0.03%	0.003%
43	5.624	5.618	5.641	VV	204	1745	0.04%	0.004%
44	5.668	5.641	5.687	VV	228	4082	0.09%	0.009%
45	5.698	5.687	5.751	VV	165	3229	0.07%	0.007%
46	5.785	5.751	5.802	VV	143	2732	0.06%	0.006%
47	5.804	5.802	5.818	VV	176	970	0.02%	0.002%
48	5.828	5.818	5.841	VV	147	1232	0.03%	0.003%
49	5.846	5.841	5.850	VV	92	361	0.01%	0.001%
50	5.853	5.850	5.861	VV	82	334	0.01%	0.001%
51	5.869	5.861	5.877	VV	122	715	0.02%	0.002%
52	5.890	5.877	5.917	VV	233	3790	0.09%	0.009%
53	5.937	5.917	5.946	VV	485	5239	0.12%	0.012%
54	5.952	5.946	5.994	VV	337	6124	0.14%	0.014%
55	6.016	5.994	6.032	VV	228	4177	0.09%	0.009%
56	6.036	6.032	6.040	VV	172	674	0.02%	0.002%
57	6.043	6.040	6.051	VV	199	927	0.02%	0.002%
58	6.075	6.051	6.081	VV	270	3399	0.08%	0.008%
59	6.110	6.081	6.152	VV	695	19293	0.44%	0.043%
60	6.158	6.152	6.176	VV	272	3184	0.07%	0.007%
61	6.194	6.176	6.222	VV	430	8613	0.20%	0.019%
62	6.230	6.222	6.268	VV	218	3723	0.08%	0.008%
63	6.277	6.268	6.291	VV	138	1304	0.03%	0.003%
64	6.296	6.291	6.302	VV	115	575	0.01%	0.001%
65	6.307	6.302	6.313	VV	136	594	0.01%	0.001%
66	6.332	6.313	6.359	VV	156	3136	0.07%	0.007%
67	6.362	6.359	6.385	VV	135	1625	0.04%	0.004%
68	6.393	6.385	6.396	VV	151	693	0.02%	0.002%
69	6.408	6.396	6.423	VV	276	1840	0.04%	0.004%
70	6.441	6.423	6.464	VV	369	6284	0.14%	0.014%
71	6.470	6.464	6.489	VV	231	1970	0.04%	0.004%
72	6.540	6.489	6.626	VV	2445	72367	1.64%	0.163%
73	6.629	6.626	6.674	VV	388	6794	0.15%	0.015%
74	6.681	6.674	6.708	VV	261	3924	0.09%	0.009%
75	6.733	6.708	6.919	VV	258645	3336911	75.78%	7.522%
76	6.927	6.919	6.991	VV	1220	42165	0.96%	0.095%
77	6.995	6.991	7.058	VV	774	23733	0.54%	0.054%
78	7.061	7.058	7.073	VV	484	4081	0.09%	0.009%
79	7.078	7.073	7.105	VV	505	8446	0.19%	0.019%
80	7.122	7.105	7.129	VV	430	5677	0.13%	0.013%
81	7.146	7.129	7.174	VV	433	9684	0.22%	0.022%
82	7.191	7.174	7.222	VV	375	9167	0.21%	0.021%
83	7.229	7.222	7.273	VV	324	8453	0.19%	0.019%
84	7.279	7.273	7.339	VV	314	9248	0.21%	0.021%
85	7.343	7.339	7.359	VV	223	2548	0.06%	0.006%
86	7.383	7.359	7.456	VV	943	20622	0.47%	0.046%
87	7.466	7.456	7.476	VV	156	1474	0.03%	0.003%
88	7.485	7.476	7.499	VV	162	1260	0.03%	0.003%
89	7.518	7.499	7.532	VV	99	1181	0.03%	0.003%

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90	7.566	7.532	7.581	PV	154	2725	0.06%	0.006%
91	7.611	7.581	7.637	VV	170	3737	0.08%	0.008%
92	7.654	7.637	7.702	VV	202	4596	0.10%	0.010%
93	7.722	7.702	7.746	VV	249	4994	0.11%	0.011%
94	7.757	7.746	7.791	VV	255	5460	0.12%	0.012%
95	7.797	7.791	7.857	VV	291	9289	0.21%	0.021%
96	7.866	7.857	7.897	VV	454	4116	0.09%	0.009%
97	7.905	7.897	7.933	VV	124	2477	0.06%	0.006%
98	7.993	7.933	8.056	VV	780	24802	0.56%	0.056%
99	8.064	8.056	8.072	VV	231	2036	0.05%	0.005%
100	8.095	8.072	8.150	VV	466	15364	0.35%	0.035%
101	8.193	8.150	8.270	VV	586	23033	0.52%	0.052%
102	8.298	8.270	8.332	VV	526	11387	0.26%	0.026%
103	8.357	8.332	8.419	VV	497	13278	0.30%	0.030%
104	8.457	8.419	8.488	VV	169	4237	0.10%	0.010%
105	8.511	8.488	8.527	VV	161	3021	0.07%	0.007%
106	8.561	8.527	8.864	VV	262401	3428468	77.86%	7.729%
107	8.884	8.864	8.941	VV	601	16980	0.39%	0.038%
108	8.969	8.941	8.997	VV	508	12459	0.28%	0.028%
109	9.009	8.997	9.061	VV	616	12430	0.28%	0.028%
110	9.079	9.061	9.126	VV	235	6738	0.15%	0.015%
111	9.138	9.126	9.201	VV	189	4985	0.11%	0.011%
112	9.208	9.201	9.222	VV	121	1000	0.02%	0.002%
113	9.229	9.222	9.299	VV	408	6732	0.15%	0.015%
114	9.321	9.299	9.357	VV	531	10494	0.24%	0.024%
115	9.374	9.357	9.399	VV	299	6134	0.14%	0.014%
116	9.437	9.399	9.534	VV	458	21399	0.49%	0.048%
117	9.568	9.534	9.656	VV	658	15681	0.36%	0.035%
118	9.716	9.656	9.820	PV	911	28347	0.64%	0.064%
119	9.840	9.820	9.852	VV	115	1547	0.04%	0.003%
120	9.862	9.852	9.874	VV	160	910	0.02%	0.002%
121	9.882	9.874	9.892	PV	79	340	0.01%	0.001%
122	9.930	9.892	9.949	VV	331	5954	0.14%	0.013%
123	9.968	9.949	9.995	VV	980	16098	0.37%	0.036%
124	10.015	9.995	10.066	VV	1143	19292	0.44%	0.043%
125	10.080	10.066	10.092	VV	140	1415	0.03%	0.003%
126	10.166	10.092	10.502	PV	288299	4403183	100.00%	9.926%
127	10.520	10.502	10.546	VV	1483	36106	0.82%	0.081%
128	10.569	10.546	10.689	VV	6907	242255	5.50%	0.546%
129	10.704	10.689	10.846	VV	1220	77924	1.77%	0.176%
130	10.881	10.846	10.913	VV	928	26000	0.59%	0.059%
131	10.940	10.913	10.971	VV	832	21394	0.49%	0.048%
132	10.990	10.971	11.110	VV	674	38171	0.87%	0.086%
133	11.147	11.110	11.231	VV	633	27950	0.63%	0.063%
134	11.258	11.231	11.297	VV	335	11070	0.25%	0.025%
135	11.329	11.297	11.368	VV	559	17249	0.39%	0.039%
136	11.391	11.368	11.416	VV	400	10542	0.24%	0.024%
137	11.438	11.416	11.477	VV	434	11435	0.26%	0.026%
138	11.499	11.477	11.533	VV	264	7181	0.16%	0.016%
139	11.559	11.533	11.576	VV	563	10260	0.23%	0.023%
140	11.610	11.576	11.707	VV	295393	3654698	83.00%	8.239%
141	11.724	11.707	11.770	VV	1349	30891	0.70%	0.070%

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142	11.779	11.770	11.824	VV	478	10894	0.25%	0.025%
143	11.849	11.824	11.959	VV	595	22129	0.50%	0.050%
144	12.019	11.959	12.051	VV	602	19611	0.45%	0.044%
145	12.073	12.051	12.101	VV	2588	47509	1.08%	0.107%
146	12.118	12.101	12.215	VV	2085	53061	1.21%	0.120%
147	12.240	12.215	12.282	VV	298	9593	0.22%	0.022%
148	12.300	12.282	12.322	VV	505	8009	0.18%	0.018%
149	12.342	12.322	12.356	VV	240	4265	0.10%	0.010%
150	12.393	12.356	12.435	VV	452	11811	0.27%	0.027%
151	12.464	12.435	12.522	PV	800	22289	0.51%	0.050%
152	12.546	12.522	12.646	VV	88746	1320178	29.98%	2.976%
153	12.657	12.646	12.771	VV	2976	134018	3.04%	0.302%
154	12.783	12.771	12.832	VV	1337	34262	0.78%	0.077%
155	12.867	12.832	12.887	VV	1362	33766	0.77%	0.076%
156	12.919	12.887	12.977	VV	285931	3646502	82.82%	8.220%
157	13.000	12.977	13.012	VV	4599	66630	1.51%	0.150%
158	13.025	13.012	13.077	VV	4131	85669	1.95%	0.193%
159	13.100	13.077	13.142	VV	1408	38182	0.87%	0.086%
160	13.185	13.142	13.217	VV	810	29313	0.67%	0.066%
161	13.249	13.217	13.310	VV	996	40571	0.92%	0.091%
162	13.336	13.310	13.354	VV	1175	24249	0.55%	0.055%
163	13.361	13.354	13.370	VV	1087	10017	0.23%	0.023%
164	13.393	13.370	13.425	VV	1255	33508	0.76%	0.076%
165	13.447	13.425	13.487	VV	1848	40317	0.92%	0.091%
166	13.546	13.487	13.562	VV	1138	38777	0.88%	0.087%
167	13.589	13.562	13.621	VV	1628	44586	1.01%	0.101%
168	13.668	13.621	13.688	VV	1482	51676	1.17%	0.116%
169	13.710	13.688	13.742	VV	1564	43488	0.99%	0.098%
170	13.782	13.742	13.938	VV	15308	425125	9.65%	0.958%
171	13.965	13.938	14.014	VV	2301	74521	1.69%	0.168%
172	14.024	14.014	14.052	VV	1293	28013	0.64%	0.063%
173	14.118	14.052	14.187	VV	285109	3719672	84.48%	8.385%
174	14.205	14.187	14.241	VV	1688	47704	1.08%	0.108%
175	14.265	14.241	14.299	VV	2220	55285	1.26%	0.125%
176	14.318	14.299	14.330	VV	1267	22449	0.51%	0.051%
177	14.345	14.330	14.384	VV	1367	40333	0.92%	0.091%
178	14.431	14.384	14.467	VV	1429	62118	1.41%	0.140%
179	14.491	14.467	14.514	VV	1325	35461	0.81%	0.080%
180	14.541	14.514	14.616	VV	2416	103657	2.35%	0.234%
181	14.636	14.616	14.664	VV	1392	38590	0.88%	0.087%
182	14.688	14.664	14.737	VV	1952	64946	1.47%	0.146%
183	14.761	14.737	14.779	VV	1478	34884	0.79%	0.079%
184	14.814	14.779	14.822	VV	2137	45075	1.02%	0.102%
185	14.836	14.822	14.874	VV	2336	60307	1.37%	0.136%
186	14.895	14.874	14.919	VV	1768	42929	0.97%	0.097%
187	14.937	14.919	14.982	VV	1711	58547	1.33%	0.132%
188	15.018	14.982	15.064	VV	103140	1476791	33.54%	3.329%
189	15.081	15.064	15.124	VV	1724	55821	1.27%	0.126%
190	15.156	15.124	15.187	VV	13001	209904	4.77%	0.473%
191	15.221	15.187	15.274	VV	273766	3686175	83.72%	8.310%
192	15.291	15.274	15.376	VV	1630	70636	1.60%	0.159%
193	15.426	15.376	15.460	VV	1212	50745	1.15%	0.114%
194	15.473	15.460	15.514	VV	995	26291	0.60%	0.059%

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195	15.608	15.514	15.714	VV	36755	746329	16.95%	1.682%
196	15.744	15.714	15.764	VV	2808	61103	1.39%	0.138%
197	15.779	15.764	15.802	VV	2149	37806	0.86%	0.085%
198	15.822	15.802	15.867	VV	1982	54609	1.24%	0.123%
199	15.884	15.867	15.907	VV	1155	24149	0.55%	0.054%
200	15.916	15.907	15.959	VV	931	24966	0.57%	0.056%
201	15.982	15.959	16.016	VV	1278	33624	0.76%	0.076%
202	16.039	16.016	16.071	VV	1495	37320	0.85%	0.084%
203	16.083	16.071	16.104	VV	1047	18433	0.42%	0.042%
204	16.136	16.104	16.194	VV	1216	48879	1.11%	0.110%
205	16.242	16.194	16.307	VV	273184	3607667	81.93%	8.133%
206	16.326	16.307	16.362	VV	855	22094	0.50%	0.050%
207	16.379	16.362	16.414	VV	573	13813	0.31%	0.031%
208	16.421	16.414	16.428	VV	362	3016	0.07%	0.007%
209	16.450	16.428	16.479	VV	493	12735	0.29%	0.029%
210	16.491	16.479	16.527	VV	381	9290	0.21%	0.021%
211	16.543	16.527	16.578	VV	385	9716	0.22%	0.022%
212	16.628	16.578	16.670	VV	3993	85417	1.94%	0.193%
213	16.689	16.670	16.702	VV	1106	19450	0.44%	0.044%
214	16.728	16.702	16.784	VV	3464	57926	1.32%	0.131%
215	16.835	16.784	16.874	VV	709	23988	0.54%	0.054%
216	16.911	16.874	16.992	VV	555	23855	0.54%	0.054%
217	17.074	16.992	17.129	VV	856	41662	0.95%	0.094%
218	17.193	17.129	17.231	VV	257543	3541300	80.43%	7.983%
219	17.243	17.231	17.266	VV	1405	19560	0.44%	0.044%
220	17.283	17.266	17.384	VV	997	20767	0.47%	0.047%
221	17.406	17.384	17.436	PV	155	2266	0.05%	0.005%
222	17.462	17.436	17.482	PV	186	2475	0.06%	0.006%
			Sum of corrected areas:			44359673		

FF052125.M Thu Jun 05 03:46:18 2025

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

Manual Integration Report

Sample ID	ClientId ID	File ID	Sequence ID	Parameter	Supervised By	Supervised On	Reason
Q2074-05		FF015884.D	FF052125	TETRACOSANE-d50 (SURROGA	mohammad	5/23/2025 5:16:29 AM	Peak Integrated by Software incorrectly
Q2074-07		FF015886.D	FF052125	TETRACOSANE-d50 (SURROGA	mohammad	5/23/2025 5:16:29 AM	Peak Integrated by Software incorrectly
I.BLK		FF015888.D	FF052125	TETRACOSANE-d50 (SURROGA	mohammad	5/23/2025 5:16:29 AM	Peak Integrated by Software incorrectly

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

Manual Integration Report

Sample ID	ClientId ID	File ID	Sequence ID	Parameter	Supervised By	Supervised On	Reason
Q2176-06		FF015905.D	FF060425	TETRACOSANE-d50 (SURROGA	mohammad	6/6/2025 2:02:03 AM	Peak Integrated by Software incorrectly
Q2176-06		FF015910.D	FF060425	TETRACOSANE-d50 (SURROGA	mohammad	6/6/2025 2:02:03 AM	Peak Integrated by Software incorrectly
Q2176-08		FF015911.D	FF060425	TETRACOSANE-d50 (SURROGA	mohammad	6/6/2025 2:02:03 AM	Peak Integrated by Software incorrectly

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

Manual Integration Report

Sample ID	ClientId ID	File ID	Sequence ID	Parameter	Supervised By	Supervised On	Reason
5 TRPH STD		FG015890.D	FG052225	N-TETRACONTANE	mohammad	5/23/2025 5:16:45 AM	Peak Integrated by Software incorrectly

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

Manual Integration Report

Sample ID	ClientId ID	File ID	Sequence ID	Parameter	Supervised By	Supervised On	Reason
Q2150-08		FG015927.D	FG060425	TETRACOSANE-d50 (SURROGA	mohammad	6/6/2025 2:02:10 AM	Peak Integrated by Software incorrectly

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

Instrument ID: FID_F

Daily Analysis Runlog For Sequence/QCBatch ID # FF052125

Review By	yogesh	Review On	5/21/2025 1:57:54 PM		
Supervise By	mohammad	Supervise On	5/23/2025 5:16:29 AM		
SubDirectory	FF052125	HP Acquire Method		HP Processing Method	FF052125

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24467,PP24469,PP24470,PP24471,PP24472
CCC	
Internal Standard/PEM	
ICV/I.BLK	PP24468,PP24473
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FF015872.D	21 May 2025 09:21	YP\AJ	Ok
2	I.BLK	FF015873.D	21 May 2025 09:50	YP\AJ	Ok
3	100 TRPH STD	FF015874.D	21 May 2025 10:19	YP\AJ	Ok
4	50 TRPH STD	FF015875.D	21 May 2025 10:48	YP\AJ	Ok
5	20 TRPH STD	FF015876.D	21 May 2025 11:18	YP\AJ	Ok
6	10 TRPH STD	FF015877.D	21 May 2025 11:47	YP\AJ	Ok
7	5 TRPH STD	FF015878.D	21 May 2025 12:16	YP\AJ	Ok
8	FF052125ICV	FF015879.D	21 May 2025 12:45	YP\AJ	Ok
9	I.BLK	FF015880.D	21 May 2025 13:15	YP\AJ	Ok
10	50 PPM TRPH STD	FF015881.D	21 May 2025 13:44	YP\AJ	Ok
11	RT MARKER	FF015882.D	21 May 2025 14:13	YP\AJ	Ok
12	Q2074-04	FF015883.D	21 May 2025 14:43	YP\AJ	Ok
13	Q2074-05	FF015884.D	21 May 2025 15:12	YP\AJ	Ok,M
14	Q2074-06	FF015885.D	21 May 2025 15:41	YP\AJ	Ok
15	Q2074-07	FF015886.D	21 May 2025 16:10	YP\AJ	Ok,M
16	Q2074-08	FF015887.D	21 May 2025 16:40	YP\AJ	Ok
17	I.BLK	FF015888.D	21 May 2025 17:09	YP\AJ	Ok,M
18	50 PPM TRPH STD	FF015889.D	21 May 2025 17:38	YP\AJ	Ok

M : Manual Integration

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

Instrument ID: FID_F

Daily Analysis Runlog For Sequence/QCBatch ID # FF060425

Review By	yogesh	Review On	6/4/2025 1:00:09 PM		
Supervise By	mohammad	Supervise On	6/6/2025 2:02:03 AM		
SubDirectory	FF060425	HP Acquire Method		HP Processing Method	FF052125

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24467,PP24469,PP24470,PP24471,PP24472
CCC	PP24469
Internal Standard/PEM	
ICV/I.BLK	PP24468,PP24473
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FF015893.D	04 Jun 2025 10:47	YP\AJ	Ok
2	I.BLK	FF015894.D	04 Jun 2025 11:16	YP\AJ	Ok
3	50 PPM TRPH STD	FF015895.D	04 Jun 2025 11:46	YP\AJ	Ok
4	RT MARKER	FF015896.D	04 Jun 2025 12:15	YP\AJ	Ok
5	Q2150-09	FF015897.D	04 Jun 2025 12:48	YP\AJ	Ok
6	Q2150-09MS	FF015898.D	04 Jun 2025 13:17	YP\AJ	Ok
7	Q2150-09MSD	FF015899.D	04 Jun 2025 13:47	YP\AJ	Ok
8	Q2176-01	FF015900.D	04 Jun 2025 14:16	YP\AJ	Ok
9	Q2176-02	FF015901.D	04 Jun 2025 14:46	YP\AJ	Ok
10	Q2176-03	FF015902.D	04 Jun 2025 15:15	YP\AJ	Ok
11	Q2176-04	FF015903.D	04 Jun 2025 15:45	YP\AJ	Ok
12	Q2176-05	FF015904.D	04 Jun 2025 16:48	YP\AJ	Ok
13	Q2176-06	FF015905.D	04 Jun 2025 17:18	YP\AJ	Ok,M
14	Q2176-07	FF015906.D	04 Jun 2025 17:47	YP\AJ	Ok
15	Q2176-08	FF015907.D	04 Jun 2025 18:17	YP\AJ	Ok
16	I.BLK	FF015908.D	04 Jun 2025 18:46	YP\AJ	Ok
17	50 PPM TRPH STD	FF015909.D	04 Jun 2025 19:16	YP\AJ	Ok
18	Q2176-06	FF015910.D	04 Jun 2025 20:15	YP\AJ	Not Ok
19	Q2176-08	FF015911.D	04 Jun 2025 20:45	YP\AJ	Not Ok
20	I.BLK	FF015912.D	04 Jun 2025 21:14	YP\AJ	Ok
21	50 PPM TRPH STD	FF015913.D	04 Jun 2025 21:44	YP\AJ	Ok

M : Manual Integration

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

Instrument ID: FID_G

Daily Analysis Runlog For Sequence/QCBatch ID # FG052225

Review By	yogesh	Review On	5/21/2025 1:58:58 PM		
Supervise By	mohammad	Supervise On	5/23/2025 5:16:45 AM		
SubDirectory	FG052225	HP Acquire Method		HP Processing Method	FG052225

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24467,PP24469,PP24470,PP24471,PP24472
CCC	
Internal Standard/PEM	
ICV/I.BLK	PP24468,PP24473
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FG015884.D	21 May 2025 20:34	YP\AJ	Ok
2	I.BLK	FG015885.D	21 May 2025 21:03	YP\AJ	Ok
3	100 TRPH STD	FG015886.D	21 May 2025 21:33	YP\AJ	Ok
4	50 TRPH STD	FG015887.D	21 May 2025 22:02	YP\AJ	Ok
5	20 TRPH STD	FG015888.D	21 May 2025 22:31	YP\AJ	Ok
6	10 TRPH STD	FG015889.D	21 May 2025 23:00	YP\AJ	Ok
7	5 TRPH STD	FG015890.D	21 May 2025 23:30	YP\AJ	Ok,M
8	FG052225ICV	FG015891.D	21 May 2025 23:59	YP\AJ	Ok
9	PP24596	FG015892.D	22 May 2025 00:58	YP\AJ	Ok

M : Manual Integration

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

Instrument ID: FID_G

Daily Analysis Runlog For Sequence/QCBatch ID # FG060425

Review By	yogesh	Review On	6/4/2025 1:01:13 PM		
Supervise By	mohammad	Supervise On	6/6/2025 2:02:10 AM		
SubDirectory	FG060425	HP Acquire Method		HP Processing Method	FG052225

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24467,PP24469,PP24470,PP24471,PP24472
CCC	PP24469
Internal Standard/PEM	
ICV/I.BLK	PP24468,PP24473
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FG015908.D	04 Jun 2025 10:47	YP\AJ	Ok
2	I.BLK	FG015909.D	04 Jun 2025 11:16	YP\AJ	Ok
3	50 PPM TRPH STD	FG015910.D	04 Jun 2025 11:46	YP\AJ	Ok
4	RT MARKER	FG015911.D	04 Jun 2025 12:15	YP\AJ	Ok
5	PB168274BL	FG015912.D	04 Jun 2025 12:48	YP\AJ	Ok
6	PB168274BS	FG015913.D	04 Jun 2025 13:17	YP\AJ	Ok
7	Q2150-01	FG015914.D	04 Jun 2025 13:47	YP\AJ	Ok
8	Q2150-02	FG015915.D	04 Jun 2025 14:16	YP\AJ	Ok
9	Q2150-03	FG015916.D	04 Jun 2025 14:46	YP\AJ	Ok
10	Q2150-04	FG015917.D	04 Jun 2025 15:15	YP\AJ	Ok
11	Q2150-05	FG015918.D	04 Jun 2025 15:45	YP\AJ	Ok
12	Q2150-06	FG015919.D	04 Jun 2025 16:48	YP\AJ	Ok
13	Q2150-07	FG015920.D	04 Jun 2025 17:18	YP\AJ	Ok
14	Q2150-08	FG015921.D	04 Jun 2025 17:47	YP\AJ	Ok
15	Q2150-10	FG015922.D	04 Jun 2025 18:17	YP\AJ	Ok
16	I.BLK	FG015923.D	04 Jun 2025 18:46	YP\AJ	Ok
17	50 PPM TRPH STD	FG015924.D	04 Jun 2025 19:16	YP\AJ	Ok
18	Q2150-01	FG015925.D	04 Jun 2025 20:15	YP\AJ	Not Ok
19	Q2150-06	FG015926.D	04 Jun 2025 20:45	YP\AJ	Not Ok
20	Q2150-08	FG015927.D	04 Jun 2025 21:14	YP\AJ	Not Ok
21	I.BLK	FG015928.D	04 Jun 2025 21:44	YP\AJ	Ok

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

Instrument ID: FID_G

Daily Analysis Runlog For Sequence/QCBatch ID # FG060425

Review By	yogesh	Review On	6/4/2025 1:01:13 PM		
Supervise By	mohammad	Supervise On	6/6/2025 2:02:10 AM		
SubDirectory	FG060425	HP Acquire Method		HP Processing Method	FG052225

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24467,PP24469,PP24470,PP24471,PP24472
CCC	PP24469
Internal Standard/PEM	
ICV/I.BLK	PP24468,PP24473
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	50 PPM TRPH STD	FG015929.D	04 Jun 2025 22:13	YP\AJ	Ok

M : Manual Integration

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

Instrument ID: FID_F

Daily Analysis Runlog For Sequence/QCBatch ID # FF052125

Review By	yogesh	Review On	5/21/2025 1:57:54 PM		
Supervise By	mohammad	Supervise On	5/23/2025 5:16:29 AM		
SubDirectory	FF052125	HP Acquire Method		HP Processing Method	FF052125

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24467,PP24469,PP24470,PP24471,PP24472
CCC	
Internal Standard/PEM	
ICV/I.BLK	PP24468,PP24473
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2		FF015872.D	21 May 2025 09:21		YP\AJ	Ok
2	I.BLK		FF015873.D	21 May 2025 09:50		YP\AJ	Ok
3	100 TRPH STD		FF015874.D	21 May 2025 10:19		YP\AJ	Ok
4	50 TRPH STD		FF015875.D	21 May 2025 10:48		YP\AJ	Ok
5	20 TRPH STD		FF015876.D	21 May 2025 11:18		YP\AJ	Ok
6	10 TRPH STD		FF015877.D	21 May 2025 11:47		YP\AJ	Ok
7	5 TRPH STD		FF015878.D	21 May 2025 12:16		YP\AJ	Ok
8	FF052125ICV		FF015879.D	21 May 2025 12:45		YP\AJ	Ok
9	I.BLK		FF015880.D	21 May 2025 13:15		YP\AJ	Ok
10	50 PPM TRPH STD		FF015881.D	21 May 2025 13:44		YP\AJ	Ok
11	RT MARKER		FF015882.D	21 May 2025 14:13		YP\AJ	Ok
12	Q2074-04		FF015883.D	21 May 2025 14:43		YP\AJ	Ok
13	Q2074-05		FF015884.D	21 May 2025 15:12		YP\AJ	Ok,M
14	Q2074-06		FF015885.D	21 May 2025 15:41		YP\AJ	Ok
15	Q2074-07		FF015886.D	21 May 2025 16:10		YP\AJ	Ok,M
16	Q2074-08		FF015887.D	21 May 2025 16:40		YP\AJ	Ok
17	I.BLK		FF015888.D	21 May 2025 17:09		YP\AJ	Ok,M
18	50 PPM TRPH STD		FF015889.D	21 May 2025 17:38		YP\AJ	Ok

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Fax : 908 789 8922

Instrument ID: FID_F

Daily Analysis Runlog For Sequence/QCBatch ID # FF052125

Review By	yogesh	Review On	5/21/2025 1:57:54 PM		
Supervise By	mohammad	Supervise On	5/23/2025 5:16:29 AM		
SubDirectory	FF052125	HP Acquire Method		HP Processing Method	FF052125

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24467,PP24469,PP24470,PP24471,PP24472
CCC	
Internal Standard/PEM	
ICV/I.BLK	PP24468,PP24473
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

M : Manual Integration

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

Instrument ID: FID_F

Daily Analysis Runlog For Sequence/QCBatch ID # FF060425

Review By	yogesh	Review On	6/4/2025 1:00:09 PM		
Supervise By	mohammad	Supervise On	6/6/2025 2:02:03 AM		
SubDirectory	FF060425	HP Acquire Method		HP Processing Method	FF052125

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24467,PP24469,PP24470,PP24471,PP24472
CCC	PP24469
Internal Standard/PEM	
ICV/I.BLK	PP24468,PP24473
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2		FF015893.D	04 Jun 2025 10:47		YP\AJ	Ok
2	I.BLK		FF015894.D	04 Jun 2025 11:16		YP\AJ	Ok
3	50 PPM TRPH STD		FF015895.D	04 Jun 2025 11:46		YP\AJ	Ok
4	RT MARKER		FF015896.D	04 Jun 2025 12:15		YP\AJ	Ok
5	Q2150-09		FF015897.D	04 Jun 2025 12:48		YP\AJ	Ok
6	Q2150-09MS		FF015898.D	04 Jun 2025 13:17		YP\AJ	Ok
7	Q2150-09MSD		FF015899.D	04 Jun 2025 13:47		YP\AJ	Ok
8	Q2176-01		FF015900.D	04 Jun 2025 14:16		YP\AJ	Ok
9	Q2176-02		FF015901.D	04 Jun 2025 14:46		YP\AJ	Ok
10	Q2176-03		FF015902.D	04 Jun 2025 15:15		YP\AJ	Ok
11	Q2176-04		FF015903.D	04 Jun 2025 15:45		YP\AJ	Ok
12	Q2176-05		FF015904.D	04 Jun 2025 16:48		YP\AJ	Ok
13	Q2176-06		FF015905.D	04 Jun 2025 17:18		YP\AJ	Ok,M
14	Q2176-07		FF015906.D	04 Jun 2025 17:47		YP\AJ	Ok
15	Q2176-08		FF015907.D	04 Jun 2025 18:17		YP\AJ	Ok
16	I.BLK		FF015908.D	04 Jun 2025 18:46		YP\AJ	Ok
17	50 PPM TRPH STD		FF015909.D	04 Jun 2025 19:16		YP\AJ	Ok
18	Q2176-06		FF015910.D	04 Jun 2025 20:15	not required	YP\AJ	Not Ok

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Instrument ID: FID_F

Daily Analysis Runlog For Sequence/QCBatch ID # FF060425

Review By	yogesh	Review On	6/4/2025 1:00:09 PM		
Supervise By	mohammad	Supervise On	6/6/2025 2:02:03 AM		
SubDirectory	FF060425	HP Acquire Method		HP Processing Method	FF052125

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24467,PP24469,PP24470,PP24471,PP24472
CCC	PP24469
Internal Standard/PEM	
ICV/I.BLK	PP24468,PP24473
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q2176-08		FF015911.D	04 Jun 2025 20:45	not required	YP\AJ	Not Ok
20	I.BLK		FF015912.D	04 Jun 2025 21:14		YP\AJ	Ok
21	50 PPM TRPH STD		FF015913.D	04 Jun 2025 21:44		YP\AJ	Ok

M : Manual Integration

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

Instrument ID: FID_G

Daily Analysis Runlog For Sequence/QCBatch ID # FG052225

Review By	yogesh	Review On	5/21/2025 1:58:58 PM		
Supervise By	mohammad	Supervise On	5/23/2025 5:16:45 AM		
SubDirectory	FG052225	HP Acquire Method		HP Processing Method	FG052225

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24467,PP24469,PP24470,PP24471,PP24472
CCC	
Internal Standard/PEM	
ICV/I.BLK	PP24468,PP24473
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2		FG015884.D	21 May 2025 20:34		YP\AJ	Ok
2	I.BLK		FG015885.D	21 May 2025 21:03		YP\AJ	Ok
3	100 TRPH STD		FG015886.D	21 May 2025 21:33		YP\AJ	Ok
4	50 TRPH STD		FG015887.D	21 May 2025 22:02		YP\AJ	Ok
5	20 TRPH STD		FG015888.D	21 May 2025 22:31		YP\AJ	Ok
6	10 TRPH STD		FG015889.D	21 May 2025 23:00		YP\AJ	Ok
7	5 TRPH STD		FG015890.D	21 May 2025 23:30		YP\AJ	Ok,M
8	FG052225ICV		FG015891.D	21 May 2025 23:59		YP\AJ	Ok
9	PP24596		FG015892.D	22 May 2025 00:58		YP\AJ	Ok

M : Manual Integration

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

Instrument ID: FID_G

Daily Analysis Runlog For Sequence/QCBatch ID # FG060425

Review By	yogesh	Review On	6/4/2025 1:01:13 PM		
Supervise By	mohammad	Supervise On	6/6/2025 2:02:10 AM		
SubDirectory	FG060425	HP Acquire Method		HP Processing Method	FG052225

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24467,PP24469,PP24470,PP24471,PP24472
CCC	PP24469
Internal Standard/PEM	
ICV/I.BLK	PP24468,PP24473
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2		FG015908.D	04 Jun 2025 10:47		YP\AJ	Ok
2	I.BLK		FG015909.D	04 Jun 2025 11:16		YP\AJ	Ok
3	50 PPM TRPH STD		FG015910.D	04 Jun 2025 11:46		YP\AJ	Ok
4	RT MARKER		FG015911.D	04 Jun 2025 12:15		YP\AJ	Ok
5	PB168274BL		FG015912.D	04 Jun 2025 12:48		YP\AJ	Ok
6	PB168274BS		FG015913.D	04 Jun 2025 13:17		YP\AJ	Ok
7	Q2150-01		FG015914.D	04 Jun 2025 13:47		YP\AJ	Ok
8	Q2150-02		FG015915.D	04 Jun 2025 14:16		YP\AJ	Ok
9	Q2150-03		FG015916.D	04 Jun 2025 14:46		YP\AJ	Ok
10	Q2150-04		FG015917.D	04 Jun 2025 15:15		YP\AJ	Ok
11	Q2150-05		FG015918.D	04 Jun 2025 15:45		YP\AJ	Ok
12	Q2150-06		FG015919.D	04 Jun 2025 16:48		YP\AJ	Ok
13	Q2150-07		FG015920.D	04 Jun 2025 17:18		YP\AJ	Ok
14	Q2150-08		FG015921.D	04 Jun 2025 17:47		YP\AJ	Ok
15	Q2150-10		FG015922.D	04 Jun 2025 18:17		YP\AJ	Ok
16	I.BLK		FG015923.D	04 Jun 2025 18:46		YP\AJ	Ok
17	50 PPM TRPH STD		FG015924.D	04 Jun 2025 19:16		YP\AJ	Ok
18	Q2150-01		FG015925.D	04 Jun 2025 20:15	not required	YP\AJ	Not Ok

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

Instrument ID: FID_G

Daily Analysis Runlog For Sequence/QCBatch ID # FG060425

Review By	yogesh	Review On	6/4/2025 1:01:13 PM		
Supervise By	mohammad	Supervise On	6/6/2025 2:02:10 AM		
SubDirectory	FG060425	HP Acquire Method		HP Processing Method	FG052225

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24467,PP24469,PP24470,PP24471,PP24472
CCC	PP24469
Internal Standard/PEM	
ICV/I.BLK	PP24468,PP24473
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q2150-06		FG015926.D	04 Jun 2025 20:45	not required	YP\AJ	Not Ok
20	Q2150-08		FG015927.D	04 Jun 2025 21:14	not required	YP\AJ	Not Ok
21	I.BLK		FG015928.D	04 Jun 2025 21:44		YP\AJ	Ok
22	50 PPM TRPH STD		FG015929.D	04 Jun 2025 22:13		YP\AJ	Ok

M : Manual Integration

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB168274

11

SOP ID:	M3541-ASE Extraction-14				
Clean Up SOP #:	N/A			**Extraction Start Date :**	06/04/2025
Matrix :	Solid			**Extraction Start Time :**	08:30
Weigh By:	EH	**Extraction By:**	RJ	**Extraction End Date :**	06/04/2025
Balance check:	RJ	**Filter By:**	RJ	**Extraction End Time :**	11:40
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	20 PPM	PP24162
Surrogate	1.0ML	20 PPM	PP24596
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	EP2620
Sand	N/A	E2865
Methylene Chloride	N/A	E3939
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:

1.5 ML Vial lot# 2210673.

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
6/4/25	RS (Ext-Lab)	Y.P.Pest PG.
11:45	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB168274

Analytical Method: M3541-ASE Extraction-14 **Concentration Date:** 06/04/2025

Sample ID	Client Sample ID	Test	g/ mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB168274BL	PB168274BL	Diesel Range Organics	30.01	N/A	ritesh	Evelyn	1			U2-1
PB168274BS	PB168274BS	Diesel Range Organics	30.02	N/A	ritesh	Evelyn	1			2
Q2150-01	TP-44	Diesel Range Organics	30.07	N/A	ritesh	Evelyn	1	E		3
Q2150-02	TP-42	Diesel Range Organics	30.06	N/A	ritesh	Evelyn	1	E		4
Q2150-03	TP-39	Diesel Range Organics	30.08	N/A	ritesh	Evelyn	1	E		5
Q2150-04	TP-48	Diesel Range Organics	30.05	N/A	ritesh	Evelyn	1	E		6
Q2150-05	TP-47	Diesel Range Organics	30.01	N/A	ritesh	Evelyn	1	E		U3-1
Q2150-06	TP-50	Diesel Range Organics	30.06	N/A	ritesh	Evelyn	1	E		2
Q2150-07	TP-51	Diesel Range Organics	30.04	N/A	ritesh	Evelyn	1	E		3
Q2150-08	TP-52	Diesel Range Organics	30.01	N/A	ritesh	Evelyn	1	E		4
Q2150-09	TP-54	Diesel Range Organics	30.03	N/A	ritesh	Evelyn	1	E		5
Q2150-09MS	TP-54MS	Diesel Range Organics	30.08	N/A	ritesh	Evelyn	1	E		6
Q2150-09MSD	TP-54MSD	Diesel Range Organics	30.03	N/A	ritesh	Evelyn	1	E		U6-1
Q2150-10	TP-53	Diesel Range Organics	30.01	N/A	ritesh	Evelyn	1	E		2
Q2176-01	TP-46	Diesel Range Organics	30.04	N/A	ritesh	Evelyn	1	E		3
Q2176-02	TP-56	Diesel Range Organics	30.07	N/A	ritesh	Evelyn	1	E		4
Q2176-03	TP-25	Diesel Range Organics	30.05	N/A	ritesh	Evelyn	1	E		5
Q2176-04	TP-26	Diesel Range Organics	30.02	N/A	ritesh	Evelyn	1	E		6
Q2176-05	TP-28	Diesel Range Organics	30.05	N/A	ritesh	Evelyn	1	E		U1-1
Q2176-06	TP-27	Diesel Range Organics	30.06	N/A	ritesh	Evelyn	1	E		2
Q2176-07	TP-31	Diesel Range Organics	30.07	N/A	ritesh	Evelyn	1	E		3
Q2176-08	TP-65	Diesel Range Organics	30.03	N/A	ritesh	Evelyn	1	E		4

RS
6/4

*** Extracts relinquished on the same date as received.**

Q2150 6/2/25 8:30

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q2176D **WorkList ID :** 189909 **Department :** Extraction **Date :** 06-04-2025 08:25:24

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2150-01	TP-44	Solid	Diesel Range Organics	Cool 4 deg C	CAMP02	L41	05/27/2025	8015D
Q2150-02	TP-42	Solid	Diesel Range Organics	Cool 4 deg C	CAMP02	L41	05/27/2025	8015D
Q2150-03	TP-39	Solid	Diesel Range Organics	Cool 4 deg C	CAMP02	L41	05/27/2025	8015D
Q2150-04	TP-48	Solid	Diesel Range Organics	Cool 4 deg C	CAMP02	L41	05/27/2025	8015D
Q2150-05	TP-47	Solid	Diesel Range Organics	Cool 4 deg C	CAMP02	L41	05/27/2025	8015D
Q2150-06	TP-50	Solid	Diesel Range Organics	Cool 4 deg C	CAMP02	L41	05/27/2025	8015D
Q2150-07	TP-51	Solid	Diesel Range Organics	Cool 4 deg C	CAMP02	L41	05/27/2025	8015D
Q2150-08	TP-52	Solid	Diesel Range Organics	Cool 4 deg C	CAMP02	L41	05/28/2025	8015D
Q2150-09	TP-54	Solid	Diesel Range Organics	Cool 4 deg C	CAMP02	L41	05/28/2025	8015D
Q2150-10	TP-53	Solid	Diesel Range Organics	Cool 4 deg C	CAMP02	L41	05/28/2025	8015D
Q2176-01	TP-46	Solid	Diesel Range Organics	Cool 4 deg C	CAMP02	L41	05/28/2025	8015D
Q2176-02	TP-56	Solid	Diesel Range Organics	Cool 4 deg C	CAMP02	L41	05/29/2025	8015D
Q2176-03	TP-25	Solid	Diesel Range Organics	Cool 4 deg C	CAMP02	L41	05/29/2025	8015D
Q2176-04	TP-26	Solid	Diesel Range Organics	Cool 4 deg C	CAMP02	L41	05/29/2025	8015D
Q2176-05	TP-28	Solid	Diesel Range Organics	Cool 4 deg C	CAMP02	L41	05/29/2025	8015D
Q2176-06	TP-27	Solid	Diesel Range Organics	Cool 4 deg C	CAMP02	L41	05/29/2025	8015D
Q2176-07	TP-31	Solid	Diesel Range Organics	Cool 4 deg C	CAMP02	L41	05/29/2025	8015D
Q2176-08	TP-65	Solid	Diesel Range Organics	Cool 4 deg C	CAMP02	L41	05/30/2025	8015D

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Date/Time 06/04/25 8:25
Raw Sample Received by: RJ LEET-Lab
Raw Sample Relinquished by: JD (SM)

Date/Time 06/04/25 9:00
Raw Sample Received by: JP (SM)
Raw Sample Relinquished by: RJ LEET-Lab

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LAB CHRONICLE

OrderID:	Q2150	**OrderDate:**	5/28/2025 3:53:00 PM
Client:	CDM Smith	**Project:**	South River WM Replacement
Contact:	Marcie Ann Encinas	**Location:**	L41,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2150-01	**TP-44**	**SOIL**			**05/27/25**			**05/28/25**
			Diesel Range Organics	8015D		06/04/25	06/04/25	
			Gasoline Range Organics	8015D			06/02/25	
			PCB	8082A		05/30/25	05/30/25	
			Pesticide-TCL	8081B		05/30/25	05/30/25	
Q2150-02	**TP-42**	**SOIL**			**05/27/25**			**05/28/25**
			Diesel Range Organics	8015D		06/04/25	06/04/25	
			Gasoline Range Organics	8015D			06/02/25	
			PCB	8082A		05/30/25	05/30/25	
			Pesticide-TCL	8081B		05/30/25	05/30/25	
Q2150-03	**TP-39**	**SOIL**			**05/27/25**			**05/28/25**
			Diesel Range Organics	8015D		06/04/25	06/04/25	
			Gasoline Range Organics	8015D			06/02/25	
			PCB	8082A		05/30/25	05/30/25	
			Pesticide-TCL	8081B		05/30/25	05/30/25	
Q2150-04	**TP-48**	**SOIL**			**05/27/25**			**05/28/25**
			Diesel Range Organics	8015D		06/04/25	06/04/25	
			Gasoline Range Organics	8015D			06/02/25	
			Gasoline Range Organics	8015D			06/03/25	
			PCB	8082A		05/30/25	05/30/25	
			Pesticide-TCL	8081B		05/30/25	05/30/25	
Q2150-05	**TP-47**	**SOIL**			**05/27/25**			**05/28/25**
			Diesel Range Organics	8015D		06/04/25	06/04/25	
			Gasoline Range Organics	8015D			06/02/25	
			PCB	8082A		05/30/25	05/30/25	
			Pesticide-TCL	8081B		05/30/25	05/30/25	
Q2150-06	**TP-50**	**SOIL**			**05/27/25**			**05/28/25**

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LAB CHRONICLE

			Diesel Range Organics	8015D		06/04/25	06/04/25
			Gasoline Range Organics	8015D			06/02/25
			PCB	8082A		05/30/25	05/30/25
			Pesticide-TCL	8081B		05/30/25	05/30/25
Q2150-07	**TP-51**	**SOIL**			**05/27/25**		**05/28/25**
			Diesel Range Organics	8015D		06/04/25	06/04/25
			Gasoline Range Organics	8015D			06/02/25
			PCB	8082A		05/30/25	05/30/25
			Pesticide-TCL	8081B		05/30/25	05/30/25
Q2150-08	**TP-52**	**SOIL**			**05/28/25**		**05/28/25**
			Diesel Range Organics	8015D		06/04/25	06/04/25
			Gasoline Range Organics	8015D			06/02/25
			PCB	8082A		05/30/25	05/30/25
			Pesticide-TCL	8081B		05/30/25	05/30/25
Q2150-09	**TP-54**	**SOIL**			**05/28/25**		**05/28/25**
			Diesel Range Organics	8015D		06/04/25	06/04/25
			Gasoline Range Organics	8015D			06/03/25
			PCB	8082A		05/30/25	05/30/25
			Pesticide-TCL	8081B		05/30/25	05/30/25
Q2150-10	**TP-53**	**SOIL**			**05/28/25**		**05/28/25**
			Diesel Range Organics	8015D		06/04/25	06/04/25
			Gasoline Range Organics	8015D			06/03/25
			PCB	8082A		05/30/25	05/30/25
			Pesticide-TCL	8081B		05/30/25	05/30/25

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Hit Summary Sheet
SW-846

SDG No.: Q2150 **Order ID:** Q2150

Client: CDM Smith **Project ID:** South River WM Replacement

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : TP-44								
Q2150-01	TP-44	SOIL	Aluminum	4350		1.01	6.04	mg/Kg
Q2150-01	TP-44	SOIL	Arsenic	4.63		0.23	1.21	mg/Kg
Q2150-01	TP-44	SOIL	Barium	32.2		0.88	6.04	mg/Kg
Q2150-01	TP-44	SOIL	Beryllium	0.53		0.030	0.36	mg/Kg
Q2150-01	TP-44	SOIL	Calcium	1480		13.4	121	mg/Kg
Q2150-01	TP-44	SOIL	Chromium	11.2		0.057	0.60	mg/Kg
Q2150-01	TP-44	SOIL	Cobalt	3.58		0.12	1.81	mg/Kg
Q2150-01	TP-44	SOIL	Copper	24.8		0.27	1.21	mg/Kg
Q2150-01	TP-44	SOIL	Iron	28600		4.82	6.04	mg/Kg
Q2150-01	TP-44	SOIL	Lead	32.0		0.16	0.72	mg/Kg
Q2150-01	TP-44	SOIL	Magnesium	648		14.5	121	mg/Kg
Q2150-01	TP-44	SOIL	Manganese	126		0.17	1.21	mg/Kg
Q2150-01	TP-44	SOIL	Mercury	0.030		0.0090	0.015	mg/Kg
Q2150-01	TP-44	SOIL	Nickel	5.14		0.16	2.41	mg/Kg
Q2150-01	TP-44	SOIL	Potassium	348		33.4	121	mg/Kg
Q2150-01	TP-44	SOIL	Silver	0.31	J	0.14	0.60	mg/Kg
Q2150-01	TP-44	SOIL	Sodium	194		21.5	121	mg/Kg
Q2150-01	TP-44	SOIL	Vanadium	21.8		0.30	2.41	mg/Kg
Q2150-01	TP-44	SOIL	Zinc	30.6		0.28	2.41	mg/Kg
Client ID : TP-42								
Q2150-02	TP-42	SOIL	Aluminum	2540		0.89	5.32	mg/Kg
Q2150-02	TP-42	SOIL	Arsenic	5.25		0.20	1.06	mg/Kg
Q2150-02	TP-42	SOIL	Barium	21.4		0.78	5.32	mg/Kg
Q2150-02	TP-42	SOIL	Beryllium	0.43		0.027	0.32	mg/Kg
Q2150-02	TP-42	SOIL	Calcium	814		11.8	106	mg/Kg
Q2150-02	TP-42	SOIL	Chromium	9.31		0.050	0.53	mg/Kg
Q2150-02	TP-42	SOIL	Cobalt	1.61		0.11	1.60	mg/Kg
Q2150-02	TP-42	SOIL	Copper	28.9		0.23	1.06	mg/Kg
Q2150-02	TP-42	SOIL	Iron	18400		4.25	5.32	mg/Kg
Q2150-02	TP-42	SOIL	Lead	69.1		0.14	0.64	mg/Kg
Q2150-02	TP-42	SOIL	Magnesium	334		12.8	106	mg/Kg
Q2150-02	TP-42	SOIL	Manganese	90.0		0.15	1.06	mg/Kg
Q2150-02	TP-42	SOIL	Mercury	0.014		0.0080	0.014	mg/Kg
Q2150-02	TP-42	SOIL	Nickel	3.17		0.14	2.13	mg/Kg
Q2150-02	TP-42	SOIL	Potassium	302		29.5	106	mg/Kg
Q2150-02	TP-42	SOIL	Silver	0.31	J	0.13	0.53	mg/Kg
Q2150-02	TP-42	SOIL	Sodium	151		18.9	106	mg/Kg

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Hit Summary Sheet
SW-846

SDG No.: Q2150 **Order ID:** Q2150

Client: CDM Smith **Project ID:** South River WM Replacement

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q2150-02	TP-42	SOIL	Vanadium	17.9		0.27	2.13	mg/Kg
Q2150-02	TP-42	SOIL	Zinc	77.9		0.25	2.13	mg/Kg
Client ID : TP-39								
Q2150-03	TP-39	SOIL	Aluminum	3890		0.96	5.69	mg/Kg
Q2150-03	TP-39	SOIL	Arsenic	4.24		0.22	1.14	mg/Kg
Q2150-03	TP-39	SOIL	Barium	46.0		0.83	5.69	mg/Kg
Q2150-03	TP-39	SOIL	Beryllium	0.38		0.028	0.34	mg/Kg
Q2150-03	TP-39	SOIL	Calcium	1190		12.6	114	mg/Kg
Q2150-03	TP-39	SOIL	Chromium	8.62		0.053	0.57	mg/Kg
Q2150-03	TP-39	SOIL	Cobalt	1.97		0.11	1.71	mg/Kg
Q2150-03	TP-39	SOIL	Copper	9.95		0.25	1.14	mg/Kg
Q2150-03	TP-39	SOIL	Iron	13700		4.54	5.69	mg/Kg
Q2150-03	TP-39	SOIL	Lead	114		0.15	0.68	mg/Kg
Q2150-03	TP-39	SOIL	Magnesium	275		13.7	114	mg/Kg
Q2150-03	TP-39	SOIL	Manganese	83.1		0.16	1.14	mg/Kg
Q2150-03	TP-39	SOIL	Mercury	0.046		0.0080	0.015	mg/Kg
Q2150-03	TP-39	SOIL	Nickel	3.62		0.15	2.28	mg/Kg
Q2150-03	TP-39	SOIL	Potassium	568		31.5	114	mg/Kg
Q2150-03	TP-39	SOIL	Silver	0.26	J	0.14	0.57	mg/Kg
Q2150-03	TP-39	SOIL	Sodium	391		20.3	114	mg/Kg
Q2150-03	TP-39	SOIL	Vanadium	17.1		0.28	2.28	mg/Kg
Q2150-03	TP-39	SOIL	Zinc	19.0		0.26	2.28	mg/Kg
Client ID : TP-48								
Q2150-04	TP-48	SOIL	Aluminum	1500		0.99	5.87	mg/Kg
Q2150-04	TP-48	SOIL	Arsenic	1.97		0.22	1.17	mg/Kg
Q2150-04	TP-48	SOIL	Barium	6.76		0.86	5.87	mg/Kg
Q2150-04	TP-48	SOIL	Beryllium	0.31	J	0.029	0.35	mg/Kg
Q2150-04	TP-48	SOIL	Calcium	331		13.0	117	mg/Kg
Q2150-04	TP-48	SOIL	Chromium	10.5		0.055	0.59	mg/Kg
Q2150-04	TP-48	SOIL	Cobalt	1.70	J	0.12	1.76	mg/Kg
Q2150-04	TP-48	SOIL	Copper	13.0		0.26	1.17	mg/Kg
Q2150-04	TP-48	SOIL	Iron	16500		4.69	5.87	mg/Kg
Q2150-04	TP-48	SOIL	Lead	5.52		0.15	0.71	mg/Kg
Q2150-04	TP-48	SOIL	Magnesium	159		14.1	117	mg/Kg
Q2150-04	TP-48	SOIL	Manganese	20.2		0.16	1.17	mg/Kg
Q2150-04	TP-48	SOIL	Nickel	1.67	J	0.15	2.35	mg/Kg
Q2150-04	TP-48	SOIL	Potassium	220		32.5	117	mg/Kg
Q2150-04	TP-48	SOIL	Sodium	236		20.9	117	mg/Kg
Q2150-04	TP-48	SOIL	Vanadium	11.4		0.29	2.35	mg/Kg

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Hit Summary Sheet
SW-846

SDG No.: Q2150 **Order ID:** Q2150

Client: CDM Smith **Project ID:** South River WM Replacement

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q2150-04	TP-48	SOIL	Zinc	8.09		0.27	2.35	mg/Kg
Client ID : TP-47								
Q2150-05	TP-47	SOIL	Aluminum	2460		0.95	5.66	mg/Kg
Q2150-05	TP-47	SOIL	Arsenic	7.01		0.22	1.13	mg/Kg
Q2150-05	TP-47	SOIL	Barium	8.49		0.83	5.66	mg/Kg
Q2150-05	TP-47	SOIL	Beryllium	0.64		0.028	0.34	mg/Kg
Q2150-05	TP-47	SOIL	Cadmium	0.22	J	0.027	0.34	mg/Kg
Q2150-05	TP-47	SOIL	Calcium	930		12.6	113	mg/Kg
Q2150-05	TP-47	SOIL	Chromium	14.4		0.053	0.57	mg/Kg
Q2150-05	TP-47	SOIL	Cobalt	2.59		0.11	1.70	mg/Kg
Q2150-05	TP-47	SOIL	Copper	12.3		0.25	1.13	mg/Kg
Q2150-05	TP-47	SOIL	Iron	33000		4.52	5.66	mg/Kg
Q2150-05	TP-47	SOIL	Lead	11.6		0.15	0.68	mg/Kg
Q2150-05	TP-47	SOIL	Magnesium	415		13.6	113	mg/Kg
Q2150-05	TP-47	SOIL	Manganese	69.1		0.16	1.13	mg/Kg
Q2150-05	TP-47	SOIL	Nickel	2.80		0.15	2.27	mg/Kg
Q2150-05	TP-47	SOIL	Potassium	247		31.4	113	mg/Kg
Q2150-05	TP-47	SOIL	Sodium	121		20.2	113	mg/Kg
Q2150-05	TP-47	SOIL	Vanadium	25.0		0.28	2.27	mg/Kg
Q2150-05	TP-47	SOIL	Zinc	23.7		0.26	2.27	mg/Kg
Client ID : TP-50								
Q2150-06	TP-50	SOIL	Aluminum	6500		0.80	4.77	mg/Kg
Q2150-06	TP-50	SOIL	Arsenic	4.62		0.18	0.95	mg/Kg
Q2150-06	TP-50	SOIL	Barium	38.3		0.70	4.77	mg/Kg
Q2150-06	TP-50	SOIL	Beryllium	0.41		0.024	0.29	mg/Kg
Q2150-06	TP-50	SOIL	Cadmium	0.52		0.023	0.29	mg/Kg
Q2150-06	TP-50	SOIL	Calcium	21100		10.6	95.3	mg/Kg
Q2150-06	TP-50	SOIL	Chromium	17.6		0.045	0.48	mg/Kg
Q2150-06	TP-50	SOIL	Cobalt	7.76		0.095	1.43	mg/Kg
Q2150-06	TP-50	SOIL	Copper	38.8		0.21	0.95	mg/Kg
Q2150-06	TP-50	SOIL	Iron	15200		3.80	4.77	mg/Kg
Q2150-06	TP-50	SOIL	Lead	54.8		0.12	0.57	mg/Kg
Q2150-06	TP-50	SOIL	Magnesium	4510		11.4	95.3	mg/Kg
Q2150-06	TP-50	SOIL	Manganese	209		0.13	0.95	mg/Kg
Q2150-06	TP-50	SOIL	Mercury	0.045		0.0080	0.015	mg/Kg
Q2150-06	TP-50	SOIL	Nickel	18.5		0.12	1.91	mg/Kg
Q2150-06	TP-50	SOIL	Potassium	696		26.4	95.3	mg/Kg
Q2150-06	TP-50	SOIL	Silver	0.54		0.11	0.48	mg/Kg
Q2150-06	TP-50	SOIL	Sodium	887		17.0	95.3	mg/Kg

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Hit Summary Sheet
SW-846

SDG No.: Q2150 **Order ID:** Q2150

Client: CDM Smith **Project ID:** South River WM Replacement

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q2150-06	TP-50	SOIL	Vanadium	33.8		0.24	1.91	mg/Kg
Q2150-06	TP-50	SOIL	Zinc	62.3		0.22	1.91	mg/Kg
Client ID : TP-51								
Q2150-07	TP-51	SOIL	Aluminum	3580		0.92	5.46	mg/Kg
Q2150-07	TP-51	SOIL	Arsenic	3.77		0.21	1.09	mg/Kg
Q2150-07	TP-51	SOIL	Barium	18.7		0.80	5.46	mg/Kg
Q2150-07	TP-51	SOIL	Beryllium	0.54		0.027	0.33	mg/Kg
Q2150-07	TP-51	SOIL	Cadmium	0.096	J	0.026	0.33	mg/Kg
Q2150-07	TP-51	SOIL	Calcium	648		12.1	109	mg/Kg
Q2150-07	TP-51	SOIL	Chromium	10.1		0.051	0.55	mg/Kg
Q2150-07	TP-51	SOIL	Cobalt	2.23		0.11	1.64	mg/Kg
Q2150-07	TP-51	SOIL	Copper	7.28		0.24	1.09	mg/Kg
Q2150-07	TP-51	SOIL	Iron	15200		4.35	5.46	mg/Kg
Q2150-07	TP-51	SOIL	Lead	15.3		0.14	0.66	mg/Kg
Q2150-07	TP-51	SOIL	Magnesium	151		13.1	109	mg/Kg
Q2150-07	TP-51	SOIL	Manganese	30.1		0.15	1.09	mg/Kg
Q2150-07	TP-51	SOIL	Mercury	0.031		0.0090	0.017	mg/Kg
Q2150-07	TP-51	SOIL	Nickel	3.05		0.14	2.18	mg/Kg
Q2150-07	TP-51	SOIL	Potassium	314		30.2	109	mg/Kg
Q2150-07	TP-51	SOIL	Sodium	328		19.4	109	mg/Kg
Q2150-07	TP-51	SOIL	Vanadium	22.4		0.27	2.18	mg/Kg
Q2150-07	TP-51	SOIL	Zinc	10.1		0.25	2.18	mg/Kg
Client ID : TP-52								
Q2150-08	TP-52	SOIL	Aluminum	4650		0.87	5.19	mg/Kg
Q2150-08	TP-52	SOIL	Arsenic	4.63		0.20	1.04	mg/Kg
Q2150-08	TP-52	SOIL	Barium	36.7		0.76	5.19	mg/Kg
Q2150-08	TP-52	SOIL	Beryllium	0.55		0.026	0.31	mg/Kg
Q2150-08	TP-52	SOIL	Cadmium	0.22	J	0.025	0.31	mg/Kg
Q2150-08	TP-52	SOIL	Calcium	1150		11.5	104	mg/Kg
Q2150-08	TP-52	SOIL	Chromium	8.57		0.049	0.52	mg/Kg
Q2150-08	TP-52	SOIL	Cobalt	4.55		0.10	1.56	mg/Kg
Q2150-08	TP-52	SOIL	Copper	18.6		0.23	1.04	mg/Kg
Q2150-08	TP-52	SOIL	Iron	19100		4.14	5.19	mg/Kg
Q2150-08	TP-52	SOIL	Lead	29.9		0.14	0.62	mg/Kg
Q2150-08	TP-52	SOIL	Magnesium	598		12.4	104	mg/Kg
Q2150-08	TP-52	SOIL	Manganese	80.2		0.14	1.04	mg/Kg
Q2150-08	TP-52	SOIL	Mercury	0.044		0.0080	0.014	mg/Kg
Q2150-08	TP-52	SOIL	Nickel	7.26		0.14	2.07	mg/Kg
Q2150-08	TP-52	SOIL	Potassium	334		28.7	104	mg/Kg

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Hit Summary Sheet
SW-846

SDG No.: Q2150 **Order ID:** Q2150

Client: CDM Smith **Project ID:** South River WM Replacement

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q2150-08	TP-52	SOIL	Sodium	179		18.5	104	mg/Kg
Q2150-08	TP-52	SOIL	Vanadium	22.7		0.26	2.07	mg/Kg
Q2150-08	TP-52	SOIL	Zinc	23.6		0.24	2.07	mg/Kg
Client ID : TP-54								
Q2150-09	TP-54	SOIL	Aluminum	4450		0.97	5.75	mg/Kg
Q2150-09	TP-54	SOIL	Arsenic	0.86	J	0.22	1.15	mg/Kg
Q2150-09	TP-54	SOIL	Barium	20.1		0.84	5.75	mg/Kg
Q2150-09	TP-54	SOIL	Beryllium	0.21	J	0.029	0.35	mg/Kg
Q2150-09	TP-54	SOIL	Calcium	558		12.8	115	mg/Kg
Q2150-09	TP-54	SOIL	Chromium	10.1		0.054	0.57	mg/Kg
Q2150-09	TP-54	SOIL	Cobalt	0.76	J	0.12	1.73	mg/Kg
Q2150-09	TP-54	SOIL	Copper	5.25		0.25	1.15	mg/Kg
Q2150-09	TP-54	SOIL	Iron	3090		4.59	5.75	mg/Kg
Q2150-09	TP-54	SOIL	Lead	5.07		0.15	0.69	mg/Kg
Q2150-09	TP-54	SOIL	Magnesium	574		13.8	115	mg/Kg
Q2150-09	TP-54	SOIL	Manganese	13.5		0.16	1.15	mg/Kg
Q2150-09	TP-54	SOIL	Nickel	2.40		0.15	2.30	mg/Kg
Q2150-09	TP-54	SOIL	Potassium	489		31.9	115	mg/Kg
Q2150-09	TP-54	SOIL	Sodium	285		20.5	115	mg/Kg
Q2150-09	TP-54	SOIL	Vanadium	13.5		0.29	2.30	mg/Kg
Q2150-09	TP-54	SOIL	Zinc	5.42		0.27	2.30	mg/Kg
Client ID : TP-53								
Q2150-10	TP-53	SOIL	Aluminum	3290		0.93	5.53	mg/Kg
Q2150-10	TP-53	SOIL	Arsenic	3.50		0.21	1.11	mg/Kg
Q2150-10	TP-53	SOIL	Barium	9.87		0.81	5.53	mg/Kg
Q2150-10	TP-53	SOIL	Beryllium	0.38		0.028	0.33	mg/Kg
Q2150-10	TP-53	SOIL	Calcium	481		12.3	111	mg/Kg
Q2150-10	TP-53	SOIL	Chromium	7.74		0.052	0.55	mg/Kg
Q2150-10	TP-53	SOIL	Cobalt	1.09	J	0.11	1.66	mg/Kg
Q2150-10	TP-53	SOIL	Copper	3.46		0.24	1.11	mg/Kg
Q2150-10	TP-53	SOIL	Iron	15000		4.41	5.53	mg/Kg
Q2150-10	TP-53	SOIL	Lead	6.90		0.14	0.66	mg/Kg
Q2150-10	TP-53	SOIL	Magnesium	206		13.3	111	mg/Kg
Q2150-10	TP-53	SOIL	Manganese	22.9		0.16	1.11	mg/Kg
Q2150-10	TP-53	SOIL	Mercury	0.016		0.0090	0.016	mg/Kg
Q2150-10	TP-53	SOIL	Nickel	1.96	J	0.14	2.21	mg/Kg
Q2150-10	TP-53	SOIL	Potassium	186		30.6	111	mg/Kg
Q2150-10	TP-53	SOIL	Sodium	239		19.7	111	mg/Kg
Q2150-10	TP-53	SOIL	Vanadium	19.8		0.28	2.21	mg/Kg

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Hit Summary Sheet
SW-846

SDG No.:	Q2150	**Order ID:**	Q2150
Client:	CDM Smith	**Project ID:**	South River WM Replacement

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q2150-10	TP-53	SOIL	Zinc	5.58		0.25	2.21	mg/Kg

SAMPLE DATA

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

Client:	CDM Smith	Date Collected:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-44	SDG No.:	Q2150
Lab Sample ID:	Q2150-01	Matrix:	SOIL
Level (low/med):	low	% Solid:	78.9

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	4350		1	1.01	6.04	mg/Kg	05/30/25 09:40	06/02/25 17:47	6010D	SW3050
7440-36-0	Antimony	0.27	UN	1	0.27	3.02	mg/Kg	05/30/25 09:40	06/02/25 17:47	6010D	SW3050
7440-38-2	Arsenic	4.63		1	0.23	1.21	mg/Kg	05/30/25 09:40	06/02/25 17:47	6010D	SW3050
7440-39-3	Barium	32.2	*	1	0.88	6.04	mg/Kg	05/30/25 09:40	06/02/25 17:47	6010D	SW3050
7440-41-7	Beryllium	0.53	N*	1	0.030	0.36	mg/Kg	05/30/25 09:40	06/02/25 17:47	6010D	SW3050
7440-43-9	Cadmium	0.029	U*	1	0.029	0.36	mg/Kg	05/30/25 09:40	06/02/25 17:47	6010D	SW3050
7440-70-2	Calcium	1480	*	1	13.4	121	mg/Kg	05/30/25 09:40	06/02/25 17:47	6010D	SW3050
7440-47-3	Chromium	11.2	*	1	0.057	0.60	mg/Kg	05/30/25 09:40	06/02/25 17:47	6010D	SW3050
7440-48-4	Cobalt	3.58		1	0.12	1.81	mg/Kg	05/30/25 09:40	06/02/25 17:47	6010D	SW3050
7440-50-8	Copper	24.8	N*	1	0.27	1.21	mg/Kg	05/30/25 09:40	06/02/25 17:47	6010D	SW3050
7439-89-6	Iron	28600		1	4.82	6.04	mg/Kg	05/30/25 09:40	06/02/25 17:47	6010D	SW3050
7439-92-1	Lead	32.0		1	0.16	0.72	mg/Kg	05/30/25 09:40	06/02/25 17:47	6010D	SW3050
7439-95-4	Magnesium	648		1	14.5	121	mg/Kg	05/30/25 09:40	06/02/25 17:47	6010D	SW3050
7439-96-5	Manganese	126		1	0.17	1.21	mg/Kg	05/30/25 09:40	06/02/25 17:47	6010D	SW3050
7439-97-6	Mercury	0.030		1	0.0090	0.015	mg/Kg	05/30/25 08:35	05/30/25 13:05	7471B	
7440-02-0	Nickel	5.14		1	0.16	2.41	mg/Kg	05/30/25 09:40	06/02/25 17:47	6010D	SW3050
7440-09-7	Potassium	348	N*	1	33.4	121	mg/Kg	05/30/25 09:40	06/02/25 17:47	6010D	SW3050
7782-49-2	Selenium	0.31	U	1	0.31	1.21	mg/Kg	05/30/25 09:40	06/02/25 17:47	6010D	SW3050
7440-22-4	Silver	0.31	J	1	0.14	0.60	mg/Kg	05/30/25 09:40	06/02/25 17:47	6010D	SW3050
7440-23-5	Sodium	194	N	1	21.5	121	mg/Kg	05/30/25 09:40	06/02/25 17:47	6010D	SW3050
7440-28-0	Thallium	0.28	U	1	0.28	2.41	mg/Kg	05/30/25 09:40	06/02/25 17:47	6010D	SW3050
7440-62-2	Vanadium	21.8		1	0.30	2.41	mg/Kg	05/30/25 09:40	06/02/25 17:47	6010D	SW3050
7440-66-6	Zinc	30.6		1	0.28	2.41	mg/Kg	05/30/25 09:40	06/02/25 17:47	6010D	SW3050

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	
Comments:	METALS-TAL				

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:	CDM Smith	Date Collected:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-42	SDG No.:	Q2150
Lab Sample ID:	Q2150-02	Matrix:	SOIL
Level (low/med):	low	% Solid:	86.2

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	2540		1	0.89	5.32	mg/Kg	05/30/25 09:40	06/02/25 17:51	6010D	SW3050
7440-36-0	Antimony	0.23	UN	1	0.23	2.66	mg/Kg	05/30/25 09:40	06/02/25 17:51	6010D	SW3050
7440-38-2	Arsenic	5.25		1	0.20	1.06	mg/Kg	05/30/25 09:40	06/02/25 17:51	6010D	SW3050
7440-39-3	Barium	21.4	*	1	0.78	5.32	mg/Kg	05/30/25 09:40	06/02/25 17:51	6010D	SW3050
7440-41-7	Beryllium	0.43	N*	1	0.027	0.32	mg/Kg	05/30/25 09:40	06/02/25 17:51	6010D	SW3050
7440-43-9	Cadmium	0.026	U*	1	0.026	0.32	mg/Kg	05/30/25 09:40	06/02/25 17:51	6010D	SW3050
7440-70-2	Calcium	814	*	1	11.8	106	mg/Kg	05/30/25 09:40	06/02/25 17:51	6010D	SW3050
7440-47-3	Chromium	9.31	*	1	0.050	0.53	mg/Kg	05/30/25 09:40	06/02/25 17:51	6010D	SW3050
7440-48-4	Cobalt	1.61		1	0.11	1.60	mg/Kg	05/30/25 09:40	06/02/25 17:51	6010D	SW3050
7440-50-8	Copper	28.9	N*	1	0.23	1.06	mg/Kg	05/30/25 09:40	06/02/25 17:51	6010D	SW3050
7439-89-6	Iron	18400		1	4.25	5.32	mg/Kg	05/30/25 09:40	06/02/25 17:51	6010D	SW3050
7439-92-1	Lead	69.1		1	0.14	0.64	mg/Kg	05/30/25 09:40	06/02/25 17:51	6010D	SW3050
7439-95-4	Magnesium	334		1	12.8	106	mg/Kg	05/30/25 09:40	06/02/25 17:51	6010D	SW3050
7439-96-5	Manganese	90.0		1	0.15	1.06	mg/Kg	05/30/25 09:40	06/02/25 17:51	6010D	SW3050
7439-97-6	Mercury	0.014		1	0.0080	0.014	mg/Kg	05/30/25 08:35	05/30/25 13:17	7471B	
7440-02-0	Nickel	3.17		1	0.14	2.13	mg/Kg	05/30/25 09:40	06/02/25 17:51	6010D	SW3050
7440-09-7	Potassium	302	N*	1	29.5	106	mg/Kg	05/30/25 09:40	06/02/25 17:51	6010D	SW3050
7782-49-2	Selenium	0.28	U	1	0.28	1.06	mg/Kg	05/30/25 09:40	06/02/25 17:51	6010D	SW3050
7440-22-4	Silver	0.31	J	1	0.13	0.53	mg/Kg	05/30/25 09:40	06/02/25 17:51	6010D	SW3050
7440-23-5	Sodium	151	N	1	18.9	106	mg/Kg	05/30/25 09:40	06/02/25 17:51	6010D	SW3050
7440-28-0	Thallium	0.25	U	1	0.25	2.13	mg/Kg	05/30/25 09:40	06/02/25 17:51	6010D	SW3050
7440-62-2	Vanadium	17.9		1	0.27	2.13	mg/Kg	05/30/25 09:40	06/02/25 17:51	6010D	SW3050
7440-66-6	Zinc	77.9		1	0.25	2.13	mg/Kg	05/30/25 09:40	06/02/25 17:51	6010D	SW3050

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	
Comments:	METALS-TAL				

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
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OR = Over Range
N =Spiked sample recovery not within control limits

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	CDM Smith	Date Collected:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-39	SDG No.:	Q2150
Lab Sample ID:	Q2150-03	Matrix:	SOIL
Level (low/med):	low	% Solid:	83.7

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	3890		1	0.96	5.69	mg/Kg	05/30/25 09:40	06/02/25 17:55	6010D	SW3050
7440-36-0	Antimony	0.25	UN	1	0.25	2.84	mg/Kg	05/30/25 09:40	06/02/25 17:55	6010D	SW3050
7440-38-2	Arsenic	4.24		1	0.22	1.14	mg/Kg	05/30/25 09:40	06/02/25 17:55	6010D	SW3050
7440-39-3	Barium	46.0	*	1	0.83	5.69	mg/Kg	05/30/25 09:40	06/02/25 17:55	6010D	SW3050
7440-41-7	Beryllium	0.38	N*	1	0.028	0.34	mg/Kg	05/30/25 09:40	06/02/25 17:55	6010D	SW3050
7440-43-9	Cadmium	0.027	U*	1	0.027	0.34	mg/Kg	05/30/25 09:40	06/02/25 17:55	6010D	SW3050
7440-70-2	Calcium	1190	*	1	12.6	114	mg/Kg	05/30/25 09:40	06/02/25 17:55	6010D	SW3050
7440-47-3	Chromium	8.62	*	1	0.053	0.57	mg/Kg	05/30/25 09:40	06/02/25 17:55	6010D	SW3050
7440-48-4	Cobalt	1.97		1	0.11	1.71	mg/Kg	05/30/25 09:40	06/02/25 17:55	6010D	SW3050
7440-50-8	Copper	9.95	N*	1	0.25	1.14	mg/Kg	05/30/25 09:40	06/02/25 17:55	6010D	SW3050
7439-89-6	Iron	13700		1	4.54	5.69	mg/Kg	05/30/25 09:40	06/02/25 17:55	6010D	SW3050
7439-92-1	Lead	114		1	0.15	0.68	mg/Kg	05/30/25 09:40	06/02/25 17:55	6010D	SW3050
7439-95-4	Magnesium	275		1	13.7	114	mg/Kg	05/30/25 09:40	06/02/25 17:55	6010D	SW3050
7439-96-5	Manganese	83.1		1	0.16	1.14	mg/Kg	05/30/25 09:40	06/02/25 17:55	6010D	SW3050
7439-97-6	Mercury	0.046		1	0.0080	0.015	mg/Kg	05/30/25 08:35	05/30/25 13:19	7471B	
7440-02-0	Nickel	3.62		1	0.15	2.28	mg/Kg	05/30/25 09:40	06/02/25 17:55	6010D	SW3050
7440-09-7	Potassium	568	N*	1	31.5	114	mg/Kg	05/30/25 09:40	06/02/25 17:55	6010D	SW3050
7782-49-2	Selenium	0.30	U	1	0.30	1.14	mg/Kg	05/30/25 09:40	06/02/25 17:55	6010D	SW3050
7440-22-4	Silver	0.26	J	1	0.14	0.57	mg/Kg	05/30/25 09:40	06/02/25 17:55	6010D	SW3050
7440-23-5	Sodium	391	N	1	20.3	114	mg/Kg	05/30/25 09:40	06/02/25 17:55	6010D	SW3050
7440-28-0	Thallium	0.26	U	1	0.26	2.28	mg/Kg	05/30/25 09:40	06/02/25 17:55	6010D	SW3050
7440-62-2	Vanadium	17.1		1	0.28	2.28	mg/Kg	05/30/25 09:40	06/02/25 17:55	6010D	SW3050
7440-66-6	Zinc	19.0		1	0.26	2.28	mg/Kg	05/30/25 09:40	06/02/25 17:55	6010D	SW3050

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	
Comments:	METALS-TAL				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
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N =Spiked sample recovery not within control limits

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	CDM Smith	Date Collected:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-48	SDG No.:	Q2150
Lab Sample ID:	Q2150-04	Matrix:	SOIL
Level (low/med):	low	% Solid:	80.7

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	1500		1	0.99	5.87	mg/Kg	05/30/25 09:40	06/02/25 17:59	6010D	SW3050
7440-36-0	Antimony	0.26	UN	1	0.26	2.94	mg/Kg	05/30/25 09:40	06/02/25 17:59	6010D	SW3050
7440-38-2	Arsenic	1.97		1	0.22	1.17	mg/Kg	05/30/25 09:40	06/02/25 17:59	6010D	SW3050
7440-39-3	Barium	6.76	*	1	0.86	5.87	mg/Kg	05/30/25 09:40	06/02/25 17:59	6010D	SW3050
7440-41-7	Beryllium	0.31	JN*	1	0.029	0.35	mg/Kg	05/30/25 09:40	06/02/25 17:59	6010D	SW3050
7440-43-9	Cadmium	0.028	U*	1	0.028	0.35	mg/Kg	05/30/25 09:40	06/02/25 17:59	6010D	SW3050
7440-70-2	Calcium	331	*	1	13.0	117	mg/Kg	05/30/25 09:40	06/02/25 17:59	6010D	SW3050
7440-47-3	Chromium	10.5	*	1	0.055	0.59	mg/Kg	05/30/25 09:40	06/02/25 17:59	6010D	SW3050
7440-48-4	Cobalt	1.70	J	1	0.12	1.76	mg/Kg	05/30/25 09:40	06/02/25 17:59	6010D	SW3050
7440-50-8	Copper	13.0	N*	1	0.26	1.17	mg/Kg	05/30/25 09:40	06/02/25 17:59	6010D	SW3050
7439-89-6	Iron	16500		1	4.69	5.87	mg/Kg	05/30/25 09:40	06/02/25 17:59	6010D	SW3050
7439-92-1	Lead	5.52		1	0.15	0.71	mg/Kg	05/30/25 09:40	06/02/25 17:59	6010D	SW3050
7439-95-4	Magnesium	159		1	14.1	117	mg/Kg	05/30/25 09:40	06/02/25 17:59	6010D	SW3050
7439-96-5	Manganese	20.2		1	0.16	1.17	mg/Kg	05/30/25 09:40	06/02/25 17:59	6010D	SW3050
7439-97-6	Mercury	0.0090	U	1	0.0090	0.015	mg/Kg	05/30/25 08:35	05/30/25 13:22	7471B	
7440-02-0	Nickel	1.67	J	1	0.15	2.35	mg/Kg	05/30/25 09:40	06/02/25 17:59	6010D	SW3050
7440-09-7	Potassium	220	N*	1	32.5	117	mg/Kg	05/30/25 09:40	06/02/25 17:59	6010D	SW3050
7782-49-2	Selenium	0.31	U	1	0.31	1.17	mg/Kg	05/30/25 09:40	06/02/25 17:59	6010D	SW3050
7440-22-4	Silver	0.14	U	1	0.14	0.59	mg/Kg	05/30/25 09:40	06/02/25 17:59	6010D	SW3050
7440-23-5	Sodium	236	N	1	20.9	117	mg/Kg	05/30/25 09:40	06/02/25 17:59	6010D	SW3050
7440-28-0	Thallium	0.27	U	1	0.27	2.35	mg/Kg	05/30/25 09:40	06/02/25 17:59	6010D	SW3050
7440-62-2	Vanadium	11.4		1	0.29	2.35	mg/Kg	05/30/25 09:40	06/02/25 17:59	6010D	SW3050
7440-66-6	Zinc	8.09		1	0.27	2.35	mg/Kg	05/30/25 09:40	06/02/25 17:59	6010D	SW3050

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	
Comments:	METALS-TAL				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
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J = Estimated Value
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Alliance TECHNICAL GROUP
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Report of Analysis

Client:	CDM Smith	Date Collected:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-47	SDG No.:	Q2150
Lab Sample ID:	Q2150-05	Matrix:	SOIL
Level (low/med):	low	% Solid:	81

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	2460		1	0.95	5.66	mg/Kg	05/30/25 09:40	06/02/25 18:03	6010D	SW3050
7440-36-0	Antimony	0.25	UN	1	0.25	2.83	mg/Kg	05/30/25 09:40	06/02/25 18:03	6010D	SW3050
7440-38-2	Arsenic	7.01		1	0.22	1.13	mg/Kg	05/30/25 09:40	06/02/25 18:03	6010D	SW3050
7440-39-3	Barium	8.49	*	1	0.83	5.66	mg/Kg	05/30/25 09:40	06/02/25 18:03	6010D	SW3050
7440-41-7	Beryllium	0.64	N*	1	0.028	0.34	mg/Kg	05/30/25 09:40	06/02/25 18:03	6010D	SW3050
7440-43-9	Cadmium	0.22	J*	1	0.027	0.34	mg/Kg	05/30/25 09:40	06/02/25 18:03	6010D	SW3050
7440-70-2	Calcium	930	*	1	12.6	113	mg/Kg	05/30/25 09:40	06/02/25 18:03	6010D	SW3050
7440-47-3	Chromium	14.4	*	1	0.053	0.57	mg/Kg	05/30/25 09:40	06/02/25 18:03	6010D	SW3050
7440-48-4	Cobalt	2.59		1	0.11	1.70	mg/Kg	05/30/25 09:40	06/02/25 18:03	6010D	SW3050
7440-50-8	Copper	12.3	N*	1	0.25	1.13	mg/Kg	05/30/25 09:40	06/02/25 18:03	6010D	SW3050
7439-89-6	Iron	33000		1	4.52	5.66	mg/Kg	05/30/25 09:40	06/02/25 18:03	6010D	SW3050
7439-92-1	Lead	11.6		1	0.15	0.68	mg/Kg	05/30/25 09:40	06/02/25 18:03	6010D	SW3050
7439-95-4	Magnesium	415		1	13.6	113	mg/Kg	05/30/25 09:40	06/02/25 18:03	6010D	SW3050
7439-96-5	Manganese	69.1		1	0.16	1.13	mg/Kg	05/30/25 09:40	06/02/25 18:03	6010D	SW3050
7439-97-6	Mercury	0.0090	U	1	0.0090	0.015	mg/Kg	05/30/25 08:35	05/30/25 13:24	7471B	
7440-02-0	Nickel	2.80		1	0.15	2.27	mg/Kg	05/30/25 09:40	06/02/25 18:03	6010D	SW3050
7440-09-7	Potassium	247	N*	1	31.4	113	mg/Kg	05/30/25 09:40	06/02/25 18:03	6010D	SW3050
7782-49-2	Selenium	0.29	U	1	0.29	1.13	mg/Kg	05/30/25 09:40	06/02/25 18:03	6010D	SW3050
7440-22-4	Silver	0.14	U	1	0.14	0.57	mg/Kg	05/30/25 09:40	06/02/25 18:03	6010D	SW3050
7440-23-5	Sodium	121	N	1	20.2	113	mg/Kg	05/30/25 09:40	06/02/25 18:03	6010D	SW3050
7440-28-0	Thallium	0.26	U	1	0.26	2.27	mg/Kg	05/30/25 09:40	06/02/25 18:03	6010D	SW3050
7440-62-2	Vanadium	25.0		1	0.28	2.27	mg/Kg	05/30/25 09:40	06/02/25 18:03	6010D	SW3050
7440-66-6	Zinc	23.7		1	0.26	2.27	mg/Kg	05/30/25 09:40	06/02/25 18:03	6010D	SW3050

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	
Comments:	METALS-TAL				

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:	CDM Smith	Date Collected:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-50	SDG No.:	Q2150
Lab Sample ID:	Q2150-06	Matrix:	SOIL
Level (low/med):	low	% Solid:	86

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	6500		1	0.80	4.77	mg/Kg	05/30/25 09:40	06/02/25 18:07	6010D	SW3050
7440-36-0	Antimony	0.21	UN	1	0.21	2.38	mg/Kg	05/30/25 09:40	06/02/25 18:07	6010D	SW3050
7440-38-2	Arsenic	4.62		1	0.18	0.95	mg/Kg	05/30/25 09:40	06/02/25 18:07	6010D	SW3050
7440-39-3	Barium	38.3	*	1	0.70	4.77	mg/Kg	05/30/25 09:40	06/02/25 18:07	6010D	SW3050
7440-41-7	Beryllium	0.41	N*	1	0.024	0.29	mg/Kg	05/30/25 09:40	06/02/25 18:07	6010D	SW3050
7440-43-9	Cadmium	0.52	*	1	0.023	0.29	mg/Kg	05/30/25 09:40	06/02/25 18:07	6010D	SW3050
7440-70-2	Calcium	21100	*	1	10.6	95.3	mg/Kg	05/30/25 09:40	06/02/25 18:07	6010D	SW3050
7440-47-3	Chromium	17.6	*	1	0.045	0.48	mg/Kg	05/30/25 09:40	06/02/25 18:07	6010D	SW3050
7440-48-4	Cobalt	7.76		1	0.095	1.43	mg/Kg	05/30/25 09:40	06/02/25 18:07	6010D	SW3050
7440-50-8	Copper	38.8	N*	1	0.21	0.95	mg/Kg	05/30/25 09:40	06/02/25 18:07	6010D	SW3050
7439-89-6	Iron	15200		1	3.80	4.77	mg/Kg	05/30/25 09:40	06/02/25 18:07	6010D	SW3050
7439-92-1	Lead	54.8		1	0.12	0.57	mg/Kg	05/30/25 09:40	06/02/25 18:07	6010D	SW3050
7439-95-4	Magnesium	4510		1	11.4	95.3	mg/Kg	05/30/25 09:40	06/02/25 18:07	6010D	SW3050
7439-96-5	Manganese	209		1	0.13	0.95	mg/Kg	05/30/25 09:40	06/02/25 18:07	6010D	SW3050
7439-97-6	Mercury	0.045		1	0.0080	0.015	mg/Kg	05/30/25 08:35	05/30/25 13:26	7471B	
7440-02-0	Nickel	18.5		1	0.12	1.91	mg/Kg	05/30/25 09:40	06/02/25 18:07	6010D	SW3050
7440-09-7	Potassium	696	N*	1	26.4	95.3	mg/Kg	05/30/25 09:40	06/02/25 18:07	6010D	SW3050
7782-49-2	Selenium	0.25	U	1	0.25	0.95	mg/Kg	05/30/25 09:40	06/02/25 18:07	6010D	SW3050
7440-22-4	Silver	0.54		1	0.11	0.48	mg/Kg	05/30/25 09:40	06/02/25 18:07	6010D	SW3050
7440-23-5	Sodium	887	N	1	17.0	95.3	mg/Kg	05/30/25 09:40	06/02/25 18:07	6010D	SW3050
7440-28-0	Thallium	0.22	U	1	0.22	1.91	mg/Kg	05/30/25 09:40	06/02/25 18:07	6010D	SW3050
7440-62-2	Vanadium	33.8		1	0.24	1.91	mg/Kg	05/30/25 09:40	06/02/25 18:07	6010D	SW3050
7440-66-6	Zinc	62.3		1	0.22	1.91	mg/Kg	05/30/25 09:40	06/02/25 18:07	6010D	SW3050

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	
Comments:	METALS-TAL				

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
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* = indicates the duplicate analysis is not within control limits.
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Alliance TECHNICAL GROUP
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Report of Analysis

Client:	CDM Smith	Date Collected:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-51	SDG No.:	Q2150
Lab Sample ID:	Q2150-07	Matrix:	SOIL
Level (low/med):	low	% Solid:	83.7

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	3580		1	0.92	5.46	mg/Kg	05/30/25 09:40	06/02/25 18:12	6010D	SW3050
7440-36-0	Antimony	0.24	UN	1	0.24	2.73	mg/Kg	05/30/25 09:40	06/02/25 18:12	6010D	SW3050
7440-38-2	Arsenic	3.77		1	0.21	1.09	mg/Kg	05/30/25 09:40	06/02/25 18:12	6010D	SW3050
7440-39-3	Barium	18.7	*	1	0.80	5.46	mg/Kg	05/30/25 09:40	06/02/25 18:12	6010D	SW3050
7440-41-7	Beryllium	0.54	N*	1	0.027	0.33	mg/Kg	05/30/25 09:40	06/02/25 18:12	6010D	SW3050
7440-43-9	Cadmium	0.096	J*	1	0.026	0.33	mg/Kg	05/30/25 09:40	06/02/25 18:12	6010D	SW3050
7440-70-2	Calcium	648	*	1	12.1	109	mg/Kg	05/30/25 09:40	06/02/25 18:12	6010D	SW3050
7440-47-3	Chromium	10.1	*	1	0.051	0.55	mg/Kg	05/30/25 09:40	06/02/25 18:12	6010D	SW3050
7440-48-4	Cobalt	2.23		1	0.11	1.64	mg/Kg	05/30/25 09:40	06/02/25 18:12	6010D	SW3050
7440-50-8	Copper	7.28	N*	1	0.24	1.09	mg/Kg	05/30/25 09:40	06/02/25 18:12	6010D	SW3050
7439-89-6	Iron	15200		1	4.35	5.46	mg/Kg	05/30/25 09:40	06/02/25 18:12	6010D	SW3050
7439-92-1	Lead	15.3		1	0.14	0.66	mg/Kg	05/30/25 09:40	06/02/25 18:12	6010D	SW3050
7439-95-4	Magnesium	151		1	13.1	109	mg/Kg	05/30/25 09:40	06/02/25 18:12	6010D	SW3050
7439-96-5	Manganese	30.1		1	0.15	1.09	mg/Kg	05/30/25 09:40	06/02/25 18:12	6010D	SW3050
7439-97-6	Mercury	0.031		1	0.0090	0.017	mg/Kg	05/30/25 08:35	05/30/25 13:28	7471B	
7440-02-0	Nickel	3.05		1	0.14	2.18	mg/Kg	05/30/25 09:40	06/02/25 18:12	6010D	SW3050
7440-09-7	Potassium	314	N*	1	30.2	109	mg/Kg	05/30/25 09:40	06/02/25 18:12	6010D	SW3050
7782-49-2	Selenium	0.28	U	1	0.28	1.09	mg/Kg	05/30/25 09:40	06/02/25 18:12	6010D	SW3050
7440-22-4	Silver	0.13	U	1	0.13	0.55	mg/Kg	05/30/25 09:40	06/02/25 18:12	6010D	SW3050
7440-23-5	Sodium	328	N	1	19.4	109	mg/Kg	05/30/25 09:40	06/02/25 18:12	6010D	SW3050
7440-28-0	Thallium	0.25	U	1	0.25	2.18	mg/Kg	05/30/25 09:40	06/02/25 18:12	6010D	SW3050
7440-62-2	Vanadium	22.4		1	0.27	2.18	mg/Kg	05/30/25 09:40	06/02/25 18:12	6010D	SW3050
7440-66-6	Zinc	10.1		1	0.25	2.18	mg/Kg	05/30/25 09:40	06/02/25 18:12	6010D	SW3050

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	
Comments:	METALS-TAL				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
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J = Estimated Value
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Alliance TECHNICAL GROUP
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Report of Analysis

Client:	CDM Smith	Date Collected:	05/28/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-52	SDG No.:	Q2150
Lab Sample ID:	Q2150-08	Matrix:	SOIL
Level (low/med):	low	% Solid:	85.7

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	4650		1	0.87	5.19	mg/Kg	05/30/25 09:40	06/02/25 18:16	6010D	SW3050
7440-36-0	Antimony	0.23	UN	1	0.23	2.59	mg/Kg	05/30/25 09:40	06/02/25 18:16	6010D	SW3050
7440-38-2	Arsenic	4.63		1	0.20	1.04	mg/Kg	05/30/25 09:40	06/02/25 18:16	6010D	SW3050
7440-39-3	Barium	36.7	*	1	0.76	5.19	mg/Kg	05/30/25 09:40	06/02/25 18:16	6010D	SW3050
7440-41-7	Beryllium	0.55	N*	1	0.026	0.31	mg/Kg	05/30/25 09:40	06/02/25 18:16	6010D	SW3050
7440-43-9	Cadmium	0.22	J*	1	0.025	0.31	mg/Kg	05/30/25 09:40	06/02/25 18:16	6010D	SW3050
7440-70-2	Calcium	1150	*	1	11.5	104	mg/Kg	05/30/25 09:40	06/02/25 18:16	6010D	SW3050
7440-47-3	Chromium	8.57	*	1	0.049	0.52	mg/Kg	05/30/25 09:40	06/02/25 18:16	6010D	SW3050
7440-48-4	Cobalt	4.55		1	0.10	1.56	mg/Kg	05/30/25 09:40	06/02/25 18:16	6010D	SW3050
7440-50-8	Copper	18.6	N*	1	0.23	1.04	mg/Kg	05/30/25 09:40	06/02/25 18:16	6010D	SW3050
7439-89-6	Iron	19100		1	4.14	5.19	mg/Kg	05/30/25 09:40	06/02/25 18:16	6010D	SW3050
7439-92-1	Lead	29.9		1	0.14	0.62	mg/Kg	05/30/25 09:40	06/02/25 18:16	6010D	SW3050
7439-95-4	Magnesium	598		1	12.4	104	mg/Kg	05/30/25 09:40	06/02/25 18:16	6010D	SW3050
7439-96-5	Manganese	80.2		1	0.14	1.04	mg/Kg	05/30/25 09:40	06/02/25 18:16	6010D	SW3050
7439-97-6	Mercury	0.044		1	0.0080	0.014	mg/Kg	05/30/25 08:35	05/30/25 13:40	7471B	
7440-02-0	Nickel	7.26		1	0.14	2.07	mg/Kg	05/30/25 09:40	06/02/25 18:16	6010D	SW3050
7440-09-7	Potassium	334	N*	1	28.7	104	mg/Kg	05/30/25 09:40	06/02/25 18:16	6010D	SW3050
7782-49-2	Selenium	0.27	U	1	0.27	1.04	mg/Kg	05/30/25 09:40	06/02/25 18:16	6010D	SW3050
7440-22-4	Silver	0.12	U	1	0.12	0.52	mg/Kg	05/30/25 09:40	06/02/25 18:16	6010D	SW3050
7440-23-5	Sodium	179	N	1	18.5	104	mg/Kg	05/30/25 09:40	06/02/25 18:16	6010D	SW3050
7440-28-0	Thallium	0.24	U	1	0.24	2.07	mg/Kg	05/30/25 09:40	06/02/25 18:16	6010D	SW3050
7440-62-2	Vanadium	22.7		1	0.26	2.07	mg/Kg	05/30/25 09:40	06/02/25 18:16	6010D	SW3050
7440-66-6	Zinc	23.6		1	0.24	2.07	mg/Kg	05/30/25 09:40	06/02/25 18:16	6010D	SW3050

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	
Comments:	METALS-TAL				

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
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OR = Over Range
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Alliance TECHNICAL GROUP
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Report of Analysis

Client:	CDM Smith	Date Collected:	05/28/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-54	SDG No.:	Q2150
Lab Sample ID:	Q2150-09	Matrix:	SOIL
Level (low/med):	low	% Solid:	83.6

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	4450		1	0.97	5.75	mg/Kg	05/30/25 09:40	06/02/25 18:20	6010D	SW3050
7440-36-0	Antimony	0.25	UN	1	0.25	2.88	mg/Kg	05/30/25 09:40	06/02/25 18:20	6010D	SW3050
7440-38-2	Arsenic	0.86	J	1	0.22	1.15	mg/Kg	05/30/25 09:40	06/02/25 18:20	6010D	SW3050
7440-39-3	Barium	20.1	*	1	0.84	5.75	mg/Kg	05/30/25 09:40	06/02/25 18:20	6010D	SW3050
7440-41-7	Beryllium	0.21	JN*	1	0.029	0.35	mg/Kg	05/30/25 09:40	06/02/25 18:20	6010D	SW3050
7440-43-9	Cadmium	0.028	U*	1	0.028	0.35	mg/Kg	05/30/25 09:40	06/02/25 18:20	6010D	SW3050
7440-70-2	Calcium	558	*	1	12.8	115	mg/Kg	05/30/25 09:40	06/02/25 18:20	6010D	SW3050
7440-47-3	Chromium	10.1	*	1	0.054	0.57	mg/Kg	05/30/25 09:40	06/02/25 18:20	6010D	SW3050
7440-48-4	Cobalt	0.76	J	1	0.12	1.73	mg/Kg	05/30/25 09:40	06/02/25 18:20	6010D	SW3050
7440-50-8	Copper	5.25	N*	1	0.25	1.15	mg/Kg	05/30/25 09:40	06/02/25 18:20	6010D	SW3050
7439-89-6	Iron	3090		1	4.59	5.75	mg/Kg	05/30/25 09:40	06/02/25 18:20	6010D	SW3050
7439-92-1	Lead	5.07		1	0.15	0.69	mg/Kg	05/30/25 09:40	06/02/25 18:20	6010D	SW3050
7439-95-4	Magnesium	574		1	13.8	115	mg/Kg	05/30/25 09:40	06/02/25 18:20	6010D	SW3050
7439-96-5	Manganese	13.5		1	0.16	1.15	mg/Kg	05/30/25 09:40	06/02/25 18:20	6010D	SW3050
7439-97-6	Mercury	0.0090	U	1	0.0090	0.016	mg/Kg	05/30/25 08:35	05/30/25 13:42	7471B	
7440-02-0	Nickel	2.40		1	0.15	2.30	mg/Kg	05/30/25 09:40	06/02/25 18:20	6010D	SW3050
7440-09-7	Potassium	489	N*	1	31.9	115	mg/Kg	05/30/25 09:40	06/02/25 18:20	6010D	SW3050
7782-49-2	Selenium	0.30	U	1	0.30	1.15	mg/Kg	05/30/25 09:40	06/02/25 18:20	6010D	SW3050
7440-22-4	Silver	0.14	U	1	0.14	0.57	mg/Kg	05/30/25 09:40	06/02/25 18:20	6010D	SW3050
7440-23-5	Sodium	285	N	1	20.5	115	mg/Kg	05/30/25 09:40	06/02/25 18:20	6010D	SW3050
7440-28-0	Thallium	0.27	U	1	0.27	2.30	mg/Kg	05/30/25 09:40	06/02/25 18:20	6010D	SW3050
7440-62-2	Vanadium	13.5		1	0.29	2.30	mg/Kg	05/30/25 09:40	06/02/25 18:20	6010D	SW3050
7440-66-6	Zinc	5.42		1	0.27	2.30	mg/Kg	05/30/25 09:40	06/02/25 18:20	6010D	SW3050

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	
Comments:	METALS-TAL				

U = Not Detected
LOQ = Limit of Quantitation
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Report of Analysis

Client:	CDM Smith	Date Collected:	05/28/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-53	SDG No.:	Q2150
Lab Sample ID:	Q2150-10	Matrix:	SOIL
Level (low/med):	low	% Solid:	85.3

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	3290		1	0.93	5.53	mg/Kg	05/30/25 09:40	06/02/25 18:33	6010D	SW3050
7440-36-0	Antimony	0.24	UN	1	0.24	2.76	mg/Kg	05/30/25 09:40	06/02/25 18:33	6010D	SW3050
7440-38-2	Arsenic	3.50		1	0.21	1.11	mg/Kg	05/30/25 09:40	06/02/25 18:33	6010D	SW3050
7440-39-3	Barium	9.87	*	1	0.81	5.53	mg/Kg	05/30/25 09:40	06/02/25 18:33	6010D	SW3050
7440-41-7	Beryllium	0.38	N*	1	0.028	0.33	mg/Kg	05/30/25 09:40	06/02/25 18:33	6010D	SW3050
7440-43-9	Cadmium	0.027	U*	1	0.027	0.33	mg/Kg	05/30/25 09:40	06/02/25 18:33	6010D	SW3050
7440-70-2	Calcium	481	*	1	12.3	111	mg/Kg	05/30/25 09:40	06/02/25 18:33	6010D	SW3050
7440-47-3	Chromium	7.74	*	1	0.052	0.55	mg/Kg	05/30/25 09:40	06/02/25 18:33	6010D	SW3050
7440-48-4	Cobalt	1.09	J	1	0.11	1.66	mg/Kg	05/30/25 09:40	06/02/25 18:33	6010D	SW3050
7440-50-8	Copper	3.46	N*	1	0.24	1.11	mg/Kg	05/30/25 09:40	06/02/25 18:33	6010D	SW3050
7439-89-6	Iron	15000		1	4.41	5.53	mg/Kg	05/30/25 09:40	06/02/25 18:33	6010D	SW3050
7439-92-1	Lead	6.90		1	0.14	0.66	mg/Kg	05/30/25 09:40	06/02/25 18:33	6010D	SW3050
7439-95-4	Magnesium	206		1	13.3	111	mg/Kg	05/30/25 09:40	06/02/25 18:33	6010D	SW3050
7439-96-5	Manganese	22.9		1	0.16	1.11	mg/Kg	05/30/25 09:40	06/02/25 18:33	6010D	SW3050
7439-97-6	Mercury	0.016		1	0.0090	0.016	mg/Kg	05/30/25 08:35	05/30/25 13:44	7471B	
7440-02-0	Nickel	1.96	J	1	0.14	2.21	mg/Kg	05/30/25 09:40	06/02/25 18:33	6010D	SW3050
7440-09-7	Potassium	186	N*	1	30.6	111	mg/Kg	05/30/25 09:40	06/02/25 18:33	6010D	SW3050
7782-49-2	Selenium	0.29	U	1	0.29	1.11	mg/Kg	05/30/25 09:40	06/02/25 18:33	6010D	SW3050
7440-22-4	Silver	0.13	U	1	0.13	0.55	mg/Kg	05/30/25 09:40	06/02/25 18:33	6010D	SW3050
7440-23-5	Sodium	239	N	1	19.7	111	mg/Kg	05/30/25 09:40	06/02/25 18:33	6010D	SW3050
7440-28-0	Thallium	0.25	U	1	0.25	2.21	mg/Kg	05/30/25 09:40	06/02/25 18:33	6010D	SW3050
7440-62-2	Vanadium	19.8		1	0.28	2.21	mg/Kg	05/30/25 09:40	06/02/25 18:33	6010D	SW3050
7440-66-6	Zinc	5.58		1	0.25	2.21	mg/Kg	05/30/25 09:40	06/02/25 18:33	6010D	SW3050

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	
Comments:	METALS-TAL				

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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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: CDM Smith **SDG No.:** Q2150

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q2150 **SAS No.:** Q2150

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB22	Mercury	0.20	+/-0.20	U	0.20	CV	05/30/2025	12:18	LB135958

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: CDM Smith **SDG No.:** Q2150

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q2150 **SAS No.:** Q2150

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB79	Mercury	0.20	+/-0.20	U	0.20	CV	05/30/2025	12:23	LB135958
CCB80	Mercury	0.20	+/-0.20	U	0.20	CV	05/30/2025	12:58	LB135958
CCB81	Mercury	0.20	+/-0.20	U	0.20	CV	05/30/2025	13:37	LB135958
CCB82	Mercury	0.20	+/-0.20	U	0.20	CV	05/30/2025	14:02	LB135958

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: CDM Smith **SDG No.:** Q2150

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q2150 **SAS No.:** Q2150

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Aluminum	100	+/-100	U	100	P	06/02/2025	13:03	LB135981
	Antimony	50.0	+/-50.0	U	50.0	P	06/02/2025	13:03	LB135981
	Arsenic	20.0	+/-20.0	U	20.0	P	06/02/2025	13:03	LB135981
	Barium	100	+/-100	U	100	P	06/02/2025	13:03	LB135981
	Beryllium	6.00	+/-6.00	U	6.00	P	06/02/2025	13:03	LB135981
	Cadmium	6.00	+/-6.00	U	6.00	P	06/02/2025	13:03	LB135981
	Calcium	2000	+/-2000	U	2000	P	06/02/2025	13:03	LB135981
	Chromium	10.0	+/-10.0	U	10.0	P	06/02/2025	13:03	LB135981
	Cobalt	30.0	+/-30.0	U	30.0	P	06/02/2025	13:03	LB135981
	Copper	20.0	+/-20.0	U	20.0	P	06/02/2025	13:03	LB135981
	Iron	100	+/-100	U	100	P	06/02/2025	13:03	LB135981
	Lead	12.0	+/-12.0	U	12.0	P	06/02/2025	13:03	LB135981
	Magnesium	2000	+/-2000	U	2000	P	06/02/2025	13:03	LB135981
	Manganese	20.0	+/-20.0	U	20.0	P	06/02/2025	13:03	LB135981
	Nickel	40.0	+/-40.0	U	40.0	P	06/02/2025	13:03	LB135981
	Potassium	2000	+/-2000	U	2000	P	06/02/2025	13:03	LB135981
	Selenium	20.0	+/-20.0	U	20.0	P	06/02/2025	13:03	LB135981
	Silver	10.0	+/-10.0	U	10.0	P	06/02/2025	13:03	LB135981
	Sodium	2000	+/-2000	U	2000	P	06/02/2025	13:03	LB135981
	Thallium	40.0	+/-40.0	U	40.0	P	06/02/2025	13:03	LB135981
	Vanadium	40.0	+/-40.0	U	40.0	P	06/02/2025	13:03	LB135981
	Zinc	40.0	+/-40.0	U	40.0	P	06/02/2025	13:03	LB135981

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: CDM Smith **SDG No.:** Q2150

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q2150 **SAS No.:** Q2150

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Aluminum	100	+/-100	U	100	P	06/02/2025	14:28	LB135981
	Antimony	50.0	+/-50.0	U	50.0	P	06/02/2025	14:28	LB135981
	Arsenic	20.0	+/-20.0	U	20.0	P	06/02/2025	14:28	LB135981
	Barium	100	+/-100	U	100	P	06/02/2025	14:28	LB135981
	Beryllium	6.00	+/-6.00	U	6.00	P	06/02/2025	14:28	LB135981
	Cadmium	6.00	+/-6.00	U	6.00	P	06/02/2025	14:28	LB135981
	Calcium	2000	+/-2000	U	2000	P	06/02/2025	14:28	LB135981
	Chromium	10.0	+/-10.0	U	10.0	P	06/02/2025	14:28	LB135981
	Cobalt	30.0	+/-30.0	U	30.0	P	06/02/2025	14:28	LB135981
	Copper	20.0	+/-20.0	U	20.0	P	06/02/2025	14:28	LB135981
	Iron	100	+/-100	U	100	P	06/02/2025	14:28	LB135981
	Lead	12.0	+/-12.0	U	12.0	P	06/02/2025	14:28	LB135981
	Magnesium	2000	+/-2000	U	2000	P	06/02/2025	14:28	LB135981
	Manganese	20.0	+/-20.0	U	20.0	P	06/02/2025	14:28	LB135981
	Nickel	40.0	+/-40.0	U	40.0	P	06/02/2025	14:28	LB135981
	Potassium	2000	+/-2000	U	2000	P	06/02/2025	14:28	LB135981
	Selenium	20.0	+/-20.0	U	20.0	P	06/02/2025	14:28	LB135981
	Silver	10.0	+/-10.0	U	10.0	P	06/02/2025	14:28	LB135981
	Sodium	2000	+/-2000	U	2000	P	06/02/2025	14:28	LB135981
	Thallium	40.0	+/-40.0	U	40.0	P	06/02/2025	14:28	LB135981
	Vanadium	40.0	+/-40.0	U	40.0	P	06/02/2025	14:28	LB135981
	Zinc	40.0	+/-40.0	U	40.0	P	06/02/2025	14:28	LB135981
CCB02	Aluminum	100	+/-100	U	100	P	06/02/2025	15:16	LB135981
	Antimony	50.0	+/-50.0	U	50.0	P	06/02/2025	15:16	LB135981
	Arsenic	20.0	+/-20.0	U	20.0	P	06/02/2025	15:16	LB135981
	Barium	100	+/-100	U	100	P	06/02/2025	15:16	LB135981
	Beryllium	6.00	+/-6.00	U	6.00	P	06/02/2025	15:16	LB135981
	Cadmium	6.00	+/-6.00	U	6.00	P	06/02/2025	15:16	LB135981
	Calcium	2000	+/-2000	U	2000	P	06/02/2025	15:16	LB135981
	Chromium	10.0	+/-10.0	U	10.0	P	06/02/2025	15:16	LB135981
	Cobalt	30.0	+/-30.0	U	30.0	P	06/02/2025	15:16	LB135981
	Copper	20.0	+/-20.0	U	20.0	P	06/02/2025	15:16	LB135981
	Iron	100	+/-100	U	100	P	06/02/2025	15:16	LB135981
	Lead	12.0	+/-12.0	U	12.0	P	06/02/2025	15:16	LB135981
	Magnesium	2000	+/-2000	U	2000	P	06/02/2025	15:16	LB135981
	Manganese	20.0	+/-20.0	U	20.0	P	06/02/2025	15:16	LB135981
	Nickel	40.0	+/-40.0	U	40.0	P	06/02/2025	15:16	LB135981
	Potassium	2000	+/-2000	U	2000	P	06/02/2025	15:16	LB135981
	Selenium	20.0	+/-20.0	U	20.0	P	06/02/2025	15:16	LB135981

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: CDM Smith **SDG No.:** Q2150

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q2150 **SAS No.:** Q2150

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB02	Silver	10.0	+/-10.0	U	10.0	P	06/02/2025	15:16	LB135981
	Sodium	2000	+/-2000	U	2000	P	06/02/2025	15:16	LB135981
	Thallium	40.0	+/-40.0	U	40.0	P	06/02/2025	15:16	LB135981
	Vanadium	40.0	+/-40.0	U	40.0	P	06/02/2025	15:16	LB135981
	Zinc	40.0	+/-40.0	U	40.0	P	06/02/2025	15:16	LB135981
CCB03	Aluminum	100	+/-100	U	100	P	06/02/2025	16:02	LB135981
	Antimony	50.0	+/-50.0	U	50.0	P	06/02/2025	16:02	LB135981
	Arsenic	20.0	+/-20.0	U	20.0	P	06/02/2025	16:02	LB135981
	Barium	100	+/-100	U	100	P	06/02/2025	16:02	LB135981
	Beryllium	6.00	+/-6.00	U	6.00	P	06/02/2025	16:02	LB135981
	Cadmium	6.00	+/-6.00	U	6.00	P	06/02/2025	16:02	LB135981
	Calcium	2000	+/-2000	U	2000	P	06/02/2025	16:02	LB135981
	Chromium	10.0	+/-10.0	U	10.0	P	06/02/2025	16:02	LB135981
	Cobalt	30.0	+/-30.0	U	30.0	P	06/02/2025	16:02	LB135981
	Copper	20.0	+/-20.0	U	20.0	P	06/02/2025	16:02	LB135981
	Iron	100	+/-100	U	100	P	06/02/2025	16:02	LB135981
	Lead	12.0	+/-12.0	U	12.0	P	06/02/2025	16:02	LB135981
	Magnesium	2000	+/-2000	U	2000	P	06/02/2025	16:02	LB135981
	Manganese	20.0	+/-20.0	U	20.0	P	06/02/2025	16:02	LB135981
	Nickel	40.0	+/-40.0	U	40.0	P	06/02/2025	16:02	LB135981
	Potassium	2000	+/-2000	U	2000	P	06/02/2025	16:02	LB135981
	Selenium	20.0	+/-20.0	U	20.0	P	06/02/2025	16:02	LB135981
	Silver	10.0	+/-10.0	U	10.0	P	06/02/2025	16:02	LB135981
	Sodium	2000	+/-2000	U	2000	P	06/02/2025	16:02	LB135981
	Thallium	40.0	+/-40.0	U	40.0	P	06/02/2025	16:02	LB135981
	Vanadium	40.0	+/-40.0	U	40.0	P	06/02/2025	16:02	LB135981
	Zinc	40.0	+/-40.0	U	40.0	P	06/02/2025	16:02	LB135981
CCB04	Aluminum	100	+/-100	U	100	P	06/02/2025	16:55	LB135981
	Antimony	50.0	+/-50.0	U	50.0	P	06/02/2025	16:55	LB135981
	Arsenic	20.0	+/-20.0	U	20.0	P	06/02/2025	16:55	LB135981
	Barium	100	+/-100	U	100	P	06/02/2025	16:55	LB135981
	Beryllium	6.00	+/-6.00	U	6.00	P	06/02/2025	16:55	LB135981
	Cadmium	6.00	+/-6.00	U	6.00	P	06/02/2025	16:55	LB135981
	Calcium	2000	+/-2000	U	2000	P	06/02/2025	16:55	LB135981
	Chromium	10.0	+/-10.0	U	10.0	P	06/02/2025	16:55	LB135981
	Cobalt	30.0	+/-30.0	U	30.0	P	06/02/2025	16:55	LB135981
	Copper	20.0	+/-20.0	U	20.0	P	06/02/2025	16:55	LB135981
	Iron	100	+/-100	U	100	P	06/02/2025	16:55	LB135981
	Lead	12.0	+/-12.0	U	12.0	P	06/02/2025	16:55	LB135981

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: CDM Smith **SDG No.:** Q2150

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q2150 **SAS No.:** Q2150

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB04	Magnesium	2000	+/-2000	U	2000	P	06/02/2025	16:55	LB135981
	Manganese	20.0	+/-20.0	U	20.0	P	06/02/2025	16:55	LB135981
	Nickel	40.0	+/-40.0	U	40.0	P	06/02/2025	16:55	LB135981
	Potassium	2000	+/-2000	U	2000	P	06/02/2025	16:55	LB135981
	Selenium	20.0	+/-20.0	U	20.0	P	06/02/2025	16:55	LB135981
	Silver	10.0	+/-10.0	U	10.0	P	06/02/2025	16:55	LB135981
	Sodium	2000	+/-2000	U	2000	P	06/02/2025	16:55	LB135981
	Thallium	40.0	+/-40.0	U	40.0	P	06/02/2025	16:55	LB135981
	Vanadium	40.0	+/-40.0	U	40.0	P	06/02/2025	16:55	LB135981
	Zinc	40.0	+/-40.0	U	40.0	P	06/02/2025	16:55	LB135981
CCB05	Aluminum	100	+/-100	U	100	P	06/02/2025	17:42	LB135981
	Antimony	50.0	+/-50.0	U	50.0	P	06/02/2025	17:42	LB135981
	Arsenic	20.0	+/-20.0	U	20.0	P	06/02/2025	17:42	LB135981
	Barium	100	+/-100	U	100	P	06/02/2025	17:42	LB135981
	Beryllium	6.00	+/-6.00	U	6.00	P	06/02/2025	17:42	LB135981
	Cadmium	6.00	+/-6.00	U	6.00	P	06/02/2025	17:42	LB135981
	Calcium	2000	+/-2000	U	2000	P	06/02/2025	17:42	LB135981
	Chromium	10.0	+/-10.0	U	10.0	P	06/02/2025	17:42	LB135981
	Cobalt	30.0	+/-30.0	U	30.0	P	06/02/2025	17:42	LB135981
	Copper	20.0	+/-20.0	U	20.0	P	06/02/2025	17:42	LB135981
	Iron	100	+/-100	U	100	P	06/02/2025	17:42	LB135981
	Lead	12.0	+/-12.0	U	12.0	P	06/02/2025	17:42	LB135981
	Magnesium	2000	+/-2000	U	2000	P	06/02/2025	17:42	LB135981
	Manganese	20.0	+/-20.0	U	20.0	P	06/02/2025	17:42	LB135981
	Nickel	40.0	+/-40.0	U	40.0	P	06/02/2025	17:42	LB135981
	Potassium	2000	+/-2000	U	2000	P	06/02/2025	17:42	LB135981
	Selenium	20.0	+/-20.0	U	20.0	P	06/02/2025	17:42	LB135981
	Silver	10.0	+/-10.0	U	10.0	P	06/02/2025	17:42	LB135981
	Sodium	2000	+/-2000	U	2000	P	06/02/2025	17:42	LB135981
	Thallium	40.0	+/-40.0	U	40.0	P	06/02/2025	17:42	LB135981
	Vanadium	40.0	+/-40.0	U	40.0	P	06/02/2025	17:42	LB135981
	Zinc	40.0	+/-40.0	U	40.0	P	06/02/2025	17:42	LB135981
CCB06	Aluminum	100	+/-100	U	100	P	06/02/2025	18:28	LB135981
	Antimony	50.0	+/-50.0	U	50.0	P	06/02/2025	18:28	LB135981
	Arsenic	20.0	+/-20.0	U	20.0	P	06/02/2025	18:28	LB135981
	Barium	100	+/-100	U	100	P	06/02/2025	18:28	LB135981
	Beryllium	6.00	+/-6.00	U	6.00	P	06/02/2025	18:28	LB135981
	Cadmium	6.00	+/-6.00	U	6.00	P	06/02/2025	18:28	LB135981
	Calcium	2000	+/-2000	U	2000	P	06/02/2025	18:28	LB135981

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: CDM Smith **SDG No.:** Q2150

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q2150 **SAS No.:** Q2150

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB06	Chromium	10.0	+/-10.0	U	10.0	P	06/02/2025	18:28	LB135981
	Cobalt	30.0	+/-30.0	U	30.0	P	06/02/2025	18:28	LB135981
	Copper	20.0	+/-20.0	U	20.0	P	06/02/2025	18:28	LB135981
	Iron	100	+/-100	U	100	P	06/02/2025	18:28	LB135981
	Lead	2.52	+/-12.0	J	12.0	P	06/02/2025	18:28	LB135981
	Magnesium	2000	+/-2000	U	2000	P	06/02/2025	18:28	LB135981
	Manganese	20.0	+/-20.0	U	20.0	P	06/02/2025	18:28	LB135981
	Nickel	40.0	+/-40.0	U	40.0	P	06/02/2025	18:28	LB135981
	Potassium	2000	+/-2000	U	2000	P	06/02/2025	18:28	LB135981
	Selenium	20.0	+/-20.0	U	20.0	P	06/02/2025	18:28	LB135981
	Silver	10.0	+/-10.0	U	10.0	P	06/02/2025	18:28	LB135981
	Sodium	2000	+/-2000	U	2000	P	06/02/2025	18:28	LB135981
	Thallium	40.0	+/-40.0	U	40.0	P	06/02/2025	18:28	LB135981
	Vanadium	40.0	+/-40.0	U	40.0	P	06/02/2025	18:28	LB135981
	Zinc	40.0	+/-40.0	U	40.0	P	06/02/2025	18:28	LB135981
CCB07	Aluminum	100	+/-100	U	100	P	06/02/2025	19:15	LB135981
	Antimony	50.0	+/-50.0	U	50.0	P	06/02/2025	19:15	LB135981
	Arsenic	20.0	+/-20.0	U	20.0	P	06/02/2025	19:15	LB135981
	Barium	100	+/-100	U	100	P	06/02/2025	19:15	LB135981
	Beryllium	6.00	+/-6.00	U	6.00	P	06/02/2025	19:15	LB135981
	Cadmium	6.00	+/-6.00	U	6.00	P	06/02/2025	19:15	LB135981
	Calcium	2000	+/-2000	U	2000	P	06/02/2025	19:15	LB135981
	Chromium	10.0	+/-10.0	U	10.0	P	06/02/2025	19:15	LB135981
	Cobalt	30.0	+/-30.0	U	30.0	P	06/02/2025	19:15	LB135981
	Copper	20.0	+/-20.0	U	20.0	P	06/02/2025	19:15	LB135981
	Iron	100	+/-100	U	100	P	06/02/2025	19:15	LB135981
	Lead	12.0	+/-12.0	U	12.0	P	06/02/2025	19:15	LB135981
	Magnesium	2000	+/-2000	U	2000	P	06/02/2025	19:15	LB135981
	Manganese	20.0	+/-20.0	U	20.0	P	06/02/2025	19:15	LB135981
	Nickel	40.0	+/-40.0	U	40.0	P	06/02/2025	19:15	LB135981
	Potassium	2000	+/-2000	U	2000	P	06/02/2025	19:15	LB135981
	Selenium	20.0	+/-20.0	U	20.0	P	06/02/2025	19:15	LB135981
	Silver	10.0	+/-10.0	U	10.0	P	06/02/2025	19:15	LB135981
	Sodium	2000	+/-2000	U	2000	P	06/02/2025	19:15	LB135981
	Thallium	40.0	+/-40.0	U	40.0	P	06/02/2025	19:15	LB135981
	Vanadium	40.0	+/-40.0	U	40.0	P	06/02/2025	19:15	LB135981
	Zinc	40.0	+/-40.0	U	40.0	P	06/02/2025	19:15	LB135981
CCB08	Aluminum	100	+/-100	U	100	P	06/02/2025	20:01	LB135981
	Antimony	50.0	+/-50.0	U	50.0	P	06/02/2025	20:01	LB135981

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: CDM Smith **SDG No.:** Q2150

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q2150 **SAS No.:** Q2150

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB08	Arsenic	20.0	+/-20.0	U	20.0	P	06/02/2025	20:01	LB135981
	Barium	100	+/-100	U	100	P	06/02/2025	20:01	LB135981
	Beryllium	6.00	+/-6.00	U	6.00	P	06/02/2025	20:01	LB135981
	Cadmium	6.00	+/-6.00	U	6.00	P	06/02/2025	20:01	LB135981
	Calcium	2000	+/-2000	U	2000	P	06/02/2025	20:01	LB135981
	Chromium	10.0	+/-10.0	U	10.0	P	06/02/2025	20:01	LB135981
	Cobalt	30.0	+/-30.0	U	30.0	P	06/02/2025	20:01	LB135981
	Copper	20.0	+/-20.0	U	20.0	P	06/02/2025	20:01	LB135981
	Iron	100	+/-100	U	100	P	06/02/2025	20:01	LB135981
	Lead	12.0	+/-12.0	U	12.0	P	06/02/2025	20:01	LB135981
	Magnesium	2000	+/-2000	U	2000	P	06/02/2025	20:01	LB135981
	Manganese	20.0	+/-20.0	U	20.0	P	06/02/2025	20:01	LB135981
	Nickel	40.0	+/-40.0	U	40.0	P	06/02/2025	20:01	LB135981
	Potassium	2000	+/-2000	U	2000	P	06/02/2025	20:01	LB135981
	Selenium	20.0	+/-20.0	U	20.0	P	06/02/2025	20:01	LB135981
	Silver	10.0	+/-10.0	U	10.0	P	06/02/2025	20:01	LB135981
	Sodium	2000	+/-2000	U	2000	P	06/02/2025	20:01	LB135981
	Thallium	40.0	+/-40.0	U	40.0	P	06/02/2025	20:01	LB135981
	Vanadium	40.0	+/-40.0	U	40.0	P	06/02/2025	20:01	LB135981
	Zinc	40.0	+/-40.0	U	40.0	P	06/02/2025	20:01	LB135981
CCB09	Aluminum	100	+/-100	U	100	P	06/02/2025	20:49	LB135981
	Antimony	50.0	+/-50.0	U	50.0	P	06/02/2025	20:49	LB135981
	Arsenic	20.0	+/-20.0	U	20.0	P	06/02/2025	20:49	LB135981
	Barium	100	+/-100	U	100	P	06/02/2025	20:49	LB135981
	Beryllium	6.00	+/-6.00	U	6.00	P	06/02/2025	20:49	LB135981
	Cadmium	6.00	+/-6.00	U	6.00	P	06/02/2025	20:49	LB135981
	Calcium	2000	+/-2000	U	2000	P	06/02/2025	20:49	LB135981
	Chromium	10.0	+/-10.0	U	10.0	P	06/02/2025	20:49	LB135981
	Cobalt	30.0	+/-30.0	U	30.0	P	06/02/2025	20:49	LB135981
	Copper	20.0	+/-20.0	U	20.0	P	06/02/2025	20:49	LB135981
	Iron	100	+/-100	U	100	P	06/02/2025	20:49	LB135981
	Lead	12.0	+/-12.0	U	12.0	P	06/02/2025	20:49	LB135981
	Magnesium	2000	+/-2000	U	2000	P	06/02/2025	20:49	LB135981
	Manganese	20.0	+/-20.0	U	20.0	P	06/02/2025	20:49	LB135981
	Nickel	40.0	+/-40.0	U	40.0	P	06/02/2025	20:49	LB135981
	Potassium	2000	+/-2000	U	2000	P	06/02/2025	20:49	LB135981
	Selenium	20.0	+/-20.0	U	20.0	P	06/02/2025	20:49	LB135981
	Silver	10.0	+/-10.0	U	10.0	P	06/02/2025	20:49	LB135981
	Sodium	2000	+/-2000	U	2000	P	06/02/2025	20:49	LB135981

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: CDM Smith **SDG No.:** Q2150

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q2150 **SAS No.:** Q2150

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB09	Thallium	40.0	+/-40.0	U	40.0	P	06/02/2025	20:49	LB135981
	Vanadium	40.0	+/-40.0	U	40.0	P	06/02/2025	20:49	LB135981
	Zinc	40.0	+/-40.0	U	40.0	P	06/02/2025	20:49	LB135981
CCB10	Aluminum	100	+/-100	U	100	P	06/02/2025	21:11	LB135981
	Antimony	50.0	+/-50.0	U	50.0	P	06/02/2025	21:11	LB135981
	Arsenic	20.0	+/-20.0	U	20.0	P	06/02/2025	21:11	LB135981
	Barium	100	+/-100	U	100	P	06/02/2025	21:11	LB135981
	Beryllium	6.00	+/-6.00	U	6.00	P	06/02/2025	21:11	LB135981
	Cadmium	6.00	+/-6.00	U	6.00	P	06/02/2025	21:11	LB135981
	Calcium	2000	+/-2000	U	2000	P	06/02/2025	21:11	LB135981
	Chromium	10.0	+/-10.0	U	10.0	P	06/02/2025	21:11	LB135981
	Cobalt	30.0	+/-30.0	U	30.0	P	06/02/2025	21:11	LB135981
	Copper	20.0	+/-20.0	U	20.0	P	06/02/2025	21:11	LB135981
	Iron	100	+/-100	U	100	P	06/02/2025	21:11	LB135981
	Lead	12.0	+/-12.0	U	12.0	P	06/02/2025	21:11	LB135981
	Magnesium	2000	+/-2000	U	2000	P	06/02/2025	21:11	LB135981
	Manganese	20.0	+/-20.0	U	20.0	P	06/02/2025	21:11	LB135981
	Nickel	40.0	+/-40.0	U	40.0	P	06/02/2025	21:11	LB135981
	Potassium	2000	+/-2000	U	2000	P	06/02/2025	21:11	LB135981
	Selenium	20.0	+/-20.0	U	20.0	P	06/02/2025	21:11	LB135981
	Silver	10.0	+/-10.0	U	10.0	P	06/02/2025	21:11	LB135981
	Sodium	2000	+/-2000	U	2000	P	06/02/2025	21:11	LB135981
	Thallium	40.0	+/-40.0	U	40.0	P	06/02/2025	21:11	LB135981
	Vanadium	40.0	+/-40.0	U	40.0	P	06/02/2025	21:11	LB135981
	Zinc	40.0	+/-40.0	U	40.0	P	06/02/2025	21:11	LB135981

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Metals
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PREPARATION BLANK SUMMARY

Client: CDM Smith **SDG No.:** Q2150

Instrument: CV1

Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB168222BL		**SOLID**		**Batch Number:**	**PB168222**		**Prep Date:**	**05/30/2025**	
	Mercury	0.012	<0.012	U	0.012	CV	05/30/2025	12:35	LB135958

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Metals
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PREPARATION BLANK SUMMARY

Client: CDM Smith **SDG No.:** Q2150

Instrument: P4

Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB168215BL		**SOLID**		**Batch Number:**	**PB168215**		**Prep Date:**	**05/30/2025**	
	Aluminum	5.00	<5.00	U	5.00	P	06/02/2025	17:21	LB135981
	Antimony	2.50	<2.50	U	2.50	P	06/02/2025	17:21	LB135981
	Arsenic	1.00	<1.00	U	1.00	P	06/02/2025	17:21	LB135981
	Barium	5.00	<5.00	U	5.00	P	06/02/2025	17:21	LB135981
	Beryllium	0.30	<0.30	U	0.30	P	06/02/2025	17:21	LB135981
	Cadmium	0.30	<0.30	U	0.30	P	06/02/2025	17:21	LB135981
	Calcium	100	<100	U	100	P	06/02/2025	17:21	LB135981
	Chromium	0.055	<0.50	J	0.50	P	06/02/2025	17:21	LB135981
	Cobalt	1.50	<1.50	U	1.50	P	06/02/2025	17:21	LB135981
	Copper	1.00	<1.00	U	1.00	P	06/02/2025	17:21	LB135981
	Iron	5.00	<5.00	U	5.00	P	06/02/2025	17:21	LB135981
	Lead	0.60	<0.60	U	0.60	P	06/02/2025	17:21	LB135981
	Magnesium	100	<100	U	100	P	06/02/2025	17:21	LB135981
	Manganese	1.00	<1.00	U	1.00	P	06/02/2025	17:21	LB135981
	Nickel	2.00	<2.00	U	2.00	P	06/02/2025	17:21	LB135981
	Potassium	100	<100	U	100	P	06/02/2025	17:21	LB135981
	Selenium	1.00	<1.00	U	1.00	P	06/02/2025	17:21	LB135981
	Silver	0.50	<0.50	U	0.50	P	06/02/2025	17:21	LB135981
	Sodium	100	<100	U	100	P	06/02/2025	17:21	LB135981
	Thallium	2.00	<2.00	U	2.00	P	06/02/2025	17:21	LB135981
	Vanadium	2.00	<2.00	U	2.00	P	06/02/2025	17:21	LB135981
	Zinc	2.00	<2.00	U	2.00	P	06/02/2025	17:21	LB135981

METAL CALIBRATION DATA

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: CDM Smith **SDG No.:** Q2150

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q2150 **SAS No.:** Q2150

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
ICV22	Mercury	3.84	4.0	96	90 - 110	CV	05/30/2025	12:16	LB135958

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: CDM Smith **SDG No.:** Q2150

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q2150 **SAS No.:** Q2150

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
CCV79	Mercury	5.16	5.0	103	90 - 110	CV	05/30/2025	12:20	LB135958
CCV80	Mercury	5.23	5.0	104	90 - 110	CV	05/30/2025	12:55	LB135958
CCV81	Mercury	5.10	5.0	102	90 - 110	CV	05/30/2025	13:31	LB135958
CCV82	Mercury	5.06	5.0	101	90 - 110	CV	05/30/2025	14:00	LB135958

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: CDM Smith **SDG No.:** Q2150

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q2150 **SAS No.:** Q2150

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	2560	2500	102	90 - 110	P	06/02/2025	12:37	LB135981
	Antimony	1060	1000	106	90 - 110	P	06/02/2025	12:37	LB135981
	Arsenic	1070	1000	107	90 - 110	P	06/02/2025	12:37	LB135981
	Barium	503	520	97	90 - 110	P	06/02/2025	12:37	LB135981
	Beryllium	520	510	102	90 - 110	P	06/02/2025	12:37	LB135981
	Cadmium	535	510	105	90 - 110	P	06/02/2025	12:37	LB135981
	Calcium	10100	10000	101	90 - 110	P	06/02/2025	12:37	LB135981
	Chromium	546	520	105	90 - 110	P	06/02/2025	12:37	LB135981
	Cobalt	537	520	103	90 - 110	P	06/02/2025	12:37	LB135981
	Copper	551	510	108	90 - 110	P	06/02/2025	12:37	LB135981
	Iron	10100	10000	100	90 - 110	P	06/02/2025	12:37	LB135981
	Lead	1040	1000	104	90 - 110	P	06/02/2025	12:37	LB135981
	Magnesium	6020	6000	100	90 - 110	P	06/02/2025	12:37	LB135981
	Manganese	516	520	99	90 - 110	P	06/02/2025	12:37	LB135981
	Nickel	542	530	102	90 - 110	P	06/02/2025	12:37	LB135981
	Potassium	9820	9900	99	90 - 110	P	06/02/2025	12:37	LB135981
	Selenium	1100	1000	110	90 - 110	P	06/02/2025	12:37	LB135981
	Silver	263	250	105	90 - 110	P	06/02/2025	12:37	LB135981
	Sodium	9470	10000	95	90 - 110	P	06/02/2025	12:37	LB135981
	Thallium	1070	1000	107	90 - 110	P	06/02/2025	12:37	LB135981
	Vanadium	496	500	99	90 - 110	P	06/02/2025	12:37	LB135981
	Zinc	1020	1000	102	90 - 110	P	06/02/2025	12:37	LB135981

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: CDM Smith **SDG No.:** Q2150

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q2150 **SAS No.:** Q2150

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	111	100	111	80 - 120	P	06/02/2025	12:59	LB135981
	Antimony	51.4	50.0	103	80 - 120	P	06/02/2025	12:59	LB135981
	Arsenic	23.6	20.0	118	80 - 120	P	06/02/2025	12:59	LB135981
	Barium	94.9	100	95	80 - 120	P	06/02/2025	12:59	LB135981
	Beryllium	6.26	6.0	104	80 - 120	P	06/02/2025	12:59	LB135981
	Cadmium	5.95	6.0	99	80 - 120	P	06/02/2025	12:59	LB135981
	Calcium	1960	2000	98	80 - 120	P	06/02/2025	12:59	LB135981
	Chromium	10.2	10.0	102	80 - 120	P	06/02/2025	12:59	LB135981
	Cobalt	29.2	30.0	97	80 - 120	P	06/02/2025	12:59	LB135981
	Copper	21.2	20.0	106	80 - 120	P	06/02/2025	12:59	LB135981
	Iron	102	100	102	80 - 120	P	06/02/2025	12:59	LB135981
	Lead	13.3	12.0	111	80 - 120	P	06/02/2025	12:59	LB135981
	Magnesium	2010	2000	100	80 - 120	P	06/02/2025	12:59	LB135981
	Manganese	20.4	20.0	102	80 - 120	P	06/02/2025	12:59	LB135981
	Nickel	40.0	40.0	100	80 - 120	P	06/02/2025	12:59	LB135981
	Potassium	1770	2000	88	80 - 120	P	06/02/2025	12:59	LB135981
	Selenium	18.2	20.0	91	80 - 120	P	06/02/2025	12:59	LB135981
	Silver	9.21	10.0	92	80 - 120	P	06/02/2025	12:59	LB135981
	Sodium	1720	2000	86	80 - 120	P	06/02/2025	12:59	LB135981
	Thallium	38.8	40.0	97	80 - 120	P	06/02/2025	12:59	LB135981
	Vanadium	36.8	40.0	92	80 - 120	P	06/02/2025	12:59	LB135981
	Zinc	41.0	40.0	102	80 - 120	P	06/02/2025	12:59	LB135981

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: CDM Smith **SDG No.:** Q2150

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q2150 **SAS No.:** Q2150

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	9970	10000	100	90 - 110	P	06/02/2025	14:14	LB135981
	Antimony	5030	5000	100	90 - 110	P	06/02/2025	14:14	LB135981
	Arsenic	4980	5000	100	90 - 110	P	06/02/2025	14:14	LB135981
	Barium	9890	10000	99	90 - 110	P	06/02/2025	14:14	LB135981
	Beryllium	246	250	99	90 - 110	P	06/02/2025	14:14	LB135981
	Cadmium	2450	2500	98	90 - 110	P	06/02/2025	14:14	LB135981
	Calcium	24600	25000	98	90 - 110	P	06/02/2025	14:14	LB135981
	Chromium	1000	1000	100	90 - 110	P	06/02/2025	14:14	LB135981
	Cobalt	2450	2500	98	90 - 110	P	06/02/2025	14:14	LB135981
	Copper	1260	1250	101	90 - 110	P	06/02/2025	14:14	LB135981
	Iron	5070	5000	101	90 - 110	P	06/02/2025	14:14	LB135981
	Lead	4920	5000	98	90 - 110	P	06/02/2025	14:14	LB135981
	Magnesium	24600	25000	98	90 - 110	P	06/02/2025	14:14	LB135981
	Manganese	2460	2500	98	90 - 110	P	06/02/2025	14:14	LB135981
	Nickel	2470	2500	99	90 - 110	P	06/02/2025	14:14	LB135981
	Potassium	25600	25000	102	90 - 110	P	06/02/2025	14:14	LB135981
	Selenium	4820	5000	96	90 - 110	P	06/02/2025	14:14	LB135981
	Silver	1260	1250	101	90 - 110	P	06/02/2025	14:14	LB135981
	Sodium	25500	25000	102	90 - 110	P	06/02/2025	14:14	LB135981
	Thallium	4780	5000	96	90 - 110	P	06/02/2025	14:14	LB135981
	Vanadium	2470	2500	99	90 - 110	P	06/02/2025	14:14	LB135981
	Zinc	2670	2500	107	90 - 110	P	06/02/2025	14:14	LB135981
CCV02	Aluminum	10200	10000	102	90 - 110	P	06/02/2025	15:11	LB135981
	Antimony	5040	5000	101	90 - 110	P	06/02/2025	15:11	LB135981
	Arsenic	5000	5000	100	90 - 110	P	06/02/2025	15:11	LB135981
	Barium	9760	10000	98	90 - 110	P	06/02/2025	15:11	LB135981
	Beryllium	263	250	105	90 - 110	P	06/02/2025	15:11	LB135981
	Cadmium	2450	2500	98	90 - 110	P	06/02/2025	15:11	LB135981
	Calcium	24900	25000	100	90 - 110	P	06/02/2025	15:11	LB135981
	Chromium	1010	1000	101	90 - 110	P	06/02/2025	15:11	LB135981
	Cobalt	2460	2500	99	90 - 110	P	06/02/2025	15:11	LB135981
	Copper	1260	1250	101	90 - 110	P	06/02/2025	15:11	LB135981
	Iron	4790	5000	96	90 - 110	P	06/02/2025	15:11	LB135981
	Lead	4910	5000	98	90 - 110	P	06/02/2025	15:11	LB135981

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: CDM Smith **SDG No.:** Q2150

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q2150 **SAS No.:** Q2150

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	25300	25000	101	90 - 110	P	06/02/2025	15:11	LB135981
	Manganese	2470	2500	99	90 - 110	P	06/02/2025	15:11	LB135981
	Nickel	2470	2500	99	90 - 110	P	06/02/2025	15:11	LB135981
	Potassium	24000	25000	96	90 - 110	P	06/02/2025	15:11	LB135981
	Selenium	4970	5000	99	90 - 110	P	06/02/2025	15:11	LB135981
	Silver	1250	1250	100	90 - 110	P	06/02/2025	15:11	LB135981
	Sodium	23600	25000	94	90 - 110	P	06/02/2025	15:11	LB135981
	Thallium	4690	5000	94	90 - 110	P	06/02/2025	15:11	LB135981
	Vanadium	2490	2500	100	90 - 110	P	06/02/2025	15:11	LB135981
	Zinc	2640	2500	106	90 - 110	P	06/02/2025	15:11	LB135981
CCV03	Aluminum	9720	10000	97	90 - 110	P	06/02/2025	15:58	LB135981
	Antimony	4890	5000	98	90 - 110	P	06/02/2025	15:58	LB135981
	Arsenic	4820	5000	96	90 - 110	P	06/02/2025	15:58	LB135981
	Barium	9720	10000	97	90 - 110	P	06/02/2025	15:58	LB135981
	Beryllium	237	250	95	90 - 110	P	06/02/2025	15:58	LB135981
	Cadmium	2380	2500	95	90 - 110	P	06/02/2025	15:58	LB135981
	Calcium	23900	25000	96	90 - 110	P	06/02/2025	15:58	LB135981
	Chromium	976	1000	98	90 - 110	P	06/02/2025	15:58	LB135981
	Cobalt	2390	2500	96	90 - 110	P	06/02/2025	15:58	LB135981
	Copper	1220	1250	98	90 - 110	P	06/02/2025	15:58	LB135981
	Iron	4860	5000	97	90 - 110	P	06/02/2025	15:58	LB135981
	Lead	4770	5000	95	90 - 110	P	06/02/2025	15:58	LB135981
	Magnesium	23700	25000	95	90 - 110	P	06/02/2025	15:58	LB135981
	Manganese	2390	2500	96	90 - 110	P	06/02/2025	15:58	LB135981
	Nickel	2400	2500	96	90 - 110	P	06/02/2025	15:58	LB135981
	Potassium	24300	25000	97	90 - 110	P	06/02/2025	15:58	LB135981
	Selenium	4850	5000	97	90 - 110	P	06/02/2025	15:58	LB135981
	Silver	1220	1250	98	90 - 110	P	06/02/2025	15:58	LB135981
	Sodium	24600	25000	98	90 - 110	P	06/02/2025	15:58	LB135981
	Thallium	4550	5000	91	90 - 110	P	06/02/2025	15:58	LB135981
	Vanadium	2410	2500	96	90 - 110	P	06/02/2025	15:58	LB135981
	Zinc	2420	2500	97	90 - 110	P	06/02/2025	15:58	LB135981
CCV04	Aluminum	9910	10000	99	90 - 110	P	06/02/2025	16:49	LB135981
	Antimony	4980	5000	100	90 - 110	P	06/02/2025	16:49	LB135981

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: CDM Smith **SDG No.:** Q2150

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q2150 **SAS No.:** Q2150

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	4990	5000	100	90 - 110	P	06/02/2025	16:49	LB135981
	Barium	9540	10000	95	90 - 110	P	06/02/2025	16:49	LB135981
	Beryllium	245	250	98	90 - 110	P	06/02/2025	16:49	LB135981
	Cadmium	2460	2500	99	90 - 110	P	06/02/2025	16:49	LB135981
	Calcium	24300	25000	97	90 - 110	P	06/02/2025	16:49	LB135981
	Chromium	1000	1000	100	90 - 110	P	06/02/2025	16:49	LB135981
	Cobalt	2460	2500	98	90 - 110	P	06/02/2025	16:49	LB135981
	Copper	1250	1250	100	90 - 110	P	06/02/2025	16:49	LB135981
	Iron	4730	5000	95	90 - 110	P	06/02/2025	16:49	LB135981
	Lead	4910	5000	98	90 - 110	P	06/02/2025	16:49	LB135981
	Magnesium	24600	25000	98	90 - 110	P	06/02/2025	16:49	LB135981
	Manganese	2390	2500	96	90 - 110	P	06/02/2025	16:49	LB135981
	Nickel	2470	2500	99	90 - 110	P	06/02/2025	16:49	LB135981
	Potassium	23700	25000	95	90 - 110	P	06/02/2025	16:49	LB135981
	Selenium	5020	5000	100	90 - 110	P	06/02/2025	16:49	LB135981
	Silver	1210	1250	97	90 - 110	P	06/02/2025	16:49	LB135981
	Sodium	22900	25000	92	90 - 110	P	06/02/2025	16:49	LB135981
	Thallium	5020	5000	100	90 - 110	P	06/02/2025	16:49	LB135981
	Vanadium	2440	2500	98	90 - 110	P	06/02/2025	16:49	LB135981
	Zinc	2630	2500	105	90 - 110	P	06/02/2025	16:49	LB135981
CCV05	Aluminum	9690	10000	97	90 - 110	P	06/02/2025	17:38	LB135981
	Antimony	4840	5000	97	90 - 110	P	06/02/2025	17:38	LB135981
	Arsenic	4820	5000	96	90 - 110	P	06/02/2025	17:38	LB135981
	Barium	9460	10000	95	90 - 110	P	06/02/2025	17:38	LB135981
	Beryllium	240	250	96	90 - 110	P	06/02/2025	17:38	LB135981
	Cadmium	2380	2500	95	90 - 110	P	06/02/2025	17:38	LB135981
	Calcium	23700	25000	95	90 - 110	P	06/02/2025	17:38	LB135981
	Chromium	991	1000	99	90 - 110	P	06/02/2025	17:38	LB135981
	Cobalt	2380	2500	95	90 - 110	P	06/02/2025	17:38	LB135981
	Copper	1210	1250	97	90 - 110	P	06/02/2025	17:38	LB135981
	Iron	4810	5000	96	90 - 110	P	06/02/2025	17:38	LB135981
	Lead	4760	5000	95	90 - 110	P	06/02/2025	17:38	LB135981
	Magnesium	23800	25000	95	90 - 110	P	06/02/2025	17:38	LB135981
	Manganese	2330	2500	93	90 - 110	P	06/02/2025	17:38	LB135981

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: CDM Smith **SDG No.:** Q2150

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q2150 **SAS No.:** Q2150

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	2380	2500	95	90 - 110	P	06/02/2025	17:38	LB135981
	Potassium	23800	25000	95	90 - 110	P	06/02/2025	17:38	LB135981
	Selenium	4850	5000	97	90 - 110	P	06/02/2025	17:38	LB135981
	Silver	1220	1250	98	90 - 110	P	06/02/2025	17:38	LB135981
	Sodium	23600	25000	94	90 - 110	P	06/02/2025	17:38	LB135981
	Thallium	4820	5000	96	90 - 110	P	06/02/2025	17:38	LB135981
	Vanadium	2390	2500	96	90 - 110	P	06/02/2025	17:38	LB135981
	Zinc	2420	2500	97	90 - 110	P	06/02/2025	17:38	LB135981
CCV06	Aluminum	9520	10000	95	90 - 110	P	06/02/2025	18:24	LB135981
	Antimony	4870	5000	98	90 - 110	P	06/02/2025	18:24	LB135981
	Arsenic	4860	5000	97	90 - 110	P	06/02/2025	18:24	LB135981
	Barium	9660	10000	97	90 - 110	P	06/02/2025	18:24	LB135981
	Beryllium	229	250	92	90 - 110	P	06/02/2025	18:24	LB135981
	Cadmium	2410	2500	96	90 - 110	P	06/02/2025	18:24	LB135981
	Calcium	23800	25000	95	90 - 110	P	06/02/2025	18:24	LB135981
	Chromium	989	1000	99	90 - 110	P	06/02/2025	18:24	LB135981
	Cobalt	2400	2500	96	90 - 110	P	06/02/2025	18:24	LB135981
	Copper	1230	1250	98	90 - 110	P	06/02/2025	18:24	LB135981
	Iron	5170	5000	103	90 - 110	P	06/02/2025	18:24	LB135981
	Lead	4800	5000	96	90 - 110	P	06/02/2025	18:24	LB135981
	Magnesium	23500	25000	94	90 - 110	P	06/02/2025	18:24	LB135981
	Manganese	2370	2500	95	90 - 110	P	06/02/2025	18:24	LB135981
	Nickel	2410	2500	96	90 - 110	P	06/02/2025	18:24	LB135981
	Potassium	25200	25000	101	90 - 110	P	06/02/2025	18:24	LB135981
	Selenium	4890	5000	98	90 - 110	P	06/02/2025	18:24	LB135981
	Silver	1230	1250	98	90 - 110	P	06/02/2025	18:24	LB135981
	Sodium	25500	25000	102	90 - 110	P	06/02/2025	18:24	LB135981
	Thallium	4800	5000	96	90 - 110	P	06/02/2025	18:24	LB135981
	Vanadium	2390	2500	96	90 - 110	P	06/02/2025	18:24	LB135981
	Zinc	2390	2500	96	90 - 110	P	06/02/2025	18:24	LB135981
CCV07	Aluminum	9660	10000	97	90 - 110	P	06/02/2025	19:11	LB135981
	Antimony	4830	5000	97	90 - 110	P	06/02/2025	19:11	LB135981
	Arsenic	4820	5000	96	90 - 110	P	06/02/2025	19:11	LB135981
	Barium	9350	10000	94	90 - 110	P	06/02/2025	19:11	LB135981

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: CDM Smith **SDG No.:** Q2150

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q2150 **SAS No.:** Q2150

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	249	250	100	90 - 110	P	06/02/2025	19:11	LB135981
	Cadmium	2430	2500	97	90 - 110	P	06/02/2025	19:11	LB135981
	Calcium	24000	25000	96	90 - 110	P	06/02/2025	19:11	LB135981
	Chromium	1000	1000	100	90 - 110	P	06/02/2025	19:11	LB135981
	Cobalt	2420	2500	97	90 - 110	P	06/02/2025	19:11	LB135981
	Copper	1220	1250	98	90 - 110	P	06/02/2025	19:11	LB135981
	Iron	4830	5000	97	90 - 110	P	06/02/2025	19:11	LB135981
	Lead	4820	5000	96	90 - 110	P	06/02/2025	19:11	LB135981
	Magnesium	24200	25000	97	90 - 110	P	06/02/2025	19:11	LB135981
	Manganese	2380	2500	95	90 - 110	P	06/02/2025	19:11	LB135981
	Nickel	2420	2500	97	90 - 110	P	06/02/2025	19:11	LB135981
	Potassium	23600	25000	94	90 - 110	P	06/02/2025	19:11	LB135981
	Selenium	4820	5000	96	90 - 110	P	06/02/2025	19:11	LB135981
	Silver	1230	1250	99	90 - 110	P	06/02/2025	19:11	LB135981
	Sodium	23700	25000	95	90 - 110	P	06/02/2025	19:11	LB135981
	Thallium	4790	5000	96	90 - 110	P	06/02/2025	19:11	LB135981
	Vanadium	2410	2500	96	90 - 110	P	06/02/2025	19:11	LB135981
	Zinc	2310	2500	92	90 - 110	P	06/02/2025	19:11	LB135981
CCV08	Aluminum	9690	10000	97	90 - 110	P	06/02/2025	19:57	LB135981
	Antimony	4900	5000	98	90 - 110	P	06/02/2025	19:57	LB135981
	Arsenic	4890	5000	98	90 - 110	P	06/02/2025	19:57	LB135981
	Barium	9520	10000	95	90 - 110	P	06/02/2025	19:57	LB135981
	Beryllium	247	250	99	90 - 110	P	06/02/2025	19:57	LB135981
	Cadmium	2430	2500	97	90 - 110	P	06/02/2025	19:57	LB135981
	Calcium	24200	25000	97	90 - 110	P	06/02/2025	19:57	LB135981
	Chromium	1000	1000	100	90 - 110	P	06/02/2025	19:57	LB135981
	Cobalt	2430	2500	97	90 - 110	P	06/02/2025	19:57	LB135981
	Copper	1240	1250	99	90 - 110	P	06/02/2025	19:57	LB135981
	Iron	4930	5000	99	90 - 110	P	06/02/2025	19:57	LB135981
	Lead	4830	5000	97	90 - 110	P	06/02/2025	19:57	LB135981
	Magnesium	24200	25000	97	90 - 110	P	06/02/2025	19:57	LB135981
	Manganese	2400	2500	96	90 - 110	P	06/02/2025	19:57	LB135981
	Nickel	2430	2500	97	90 - 110	P	06/02/2025	19:57	LB135981
	Potassium	24100	25000	96	90 - 110	P	06/02/2025	19:57	LB135981

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: CDM Smith **SDG No.:** Q2150

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q2150 **SAS No.:** Q2150

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	4920	5000	98	90 - 110	P	06/02/2025	19:57	LB135981
	Silver	1240	1250	99	90 - 110	P	06/02/2025	19:57	LB135981
	Sodium	24100	25000	96	90 - 110	P	06/02/2025	19:57	LB135981
	Thallium	4750	5000	95	90 - 110	P	06/02/2025	19:57	LB135981
	Vanadium	2420	2500	97	90 - 110	P	06/02/2025	19:57	LB135981
	Zinc	2270	2500	91	90 - 110	P	06/02/2025	19:57	LB135981
CCV09	Aluminum	9620	10000	96	90 - 110	P	06/02/2025	20:45	LB135981
	Antimony	4870	5000	98	90 - 110	P	06/02/2025	20:45	LB135981
	Arsenic	4840	5000	97	90 - 110	P	06/02/2025	20:45	LB135981
	Barium	9650	10000	96	90 - 110	P	06/02/2025	20:45	LB135981
	Beryllium	236	250	94	90 - 110	P	06/02/2025	20:45	LB135981
	Cadmium	2410	2500	97	90 - 110	P	06/02/2025	20:45	LB135981
	Calcium	24100	25000	96	90 - 110	P	06/02/2025	20:45	LB135981
	Chromium	977	1000	98	90 - 110	P	06/02/2025	20:45	LB135981
	Cobalt	2410	2500	96	90 - 110	P	06/02/2025	20:45	LB135981
	Copper	1230	1250	98	90 - 110	P	06/02/2025	20:45	LB135981
	Iron	4890	5000	98	90 - 110	P	06/02/2025	20:45	LB135981
	Lead	4810	5000	96	90 - 110	P	06/02/2025	20:45	LB135981
	Magnesium	23900	25000	96	90 - 110	P	06/02/2025	20:45	LB135981
	Manganese	2410	2500	96	90 - 110	P	06/02/2025	20:45	LB135981
	Nickel	2410	2500	96	90 - 110	P	06/02/2025	20:45	LB135981
	Potassium	23800	25000	95	90 - 110	P	06/02/2025	20:45	LB135981
	Selenium	4870	5000	98	90 - 110	P	06/02/2025	20:45	LB135981
	Silver	1200	1250	96	90 - 110	P	06/02/2025	20:45	LB135981
	Sodium	24000	25000	96	90 - 110	P	06/02/2025	20:45	LB135981
	Thallium	4700	5000	94	90 - 110	P	06/02/2025	20:45	LB135981
	Vanadium	2420	2500	97	90 - 110	P	06/02/2025	20:45	LB135981
	Zinc	2270	2500	91	90 - 110	P	06/02/2025	20:45	LB135981
CCV10	Aluminum	11.3	10000	0	90 - 110	P	06/02/2025	21:06	LB135981
	Antimony	6.76	5000	0	90 - 110	P	06/02/2025	21:06	LB135981
	Arsenic	5.12	5000	0	90 - 110	P	06/02/2025	21:06	LB135981
	Barium	14.6	10000	0	90 - 110	P	06/02/2025	21:06	LB135981
	Beryllium	0.56	250	0	90 - 110	P	06/02/2025	21:06	LB135981
	Cadmium	0.50	2500	0	90 - 110	P	06/02/2025	21:06	LB135981

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: CDM Smith **SDG No.:** Q2150

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q2150 **SAS No.:** Q2150

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
CCV10	Calcium	234	25000	0	90 - 110	P	06/02/2025	21:06	LB135981
	Chromium	2.12	1000	0	90 - 110	P	06/02/2025	21:06	LB135981
	Cobalt	2.26	2500	0	90 - 110	P	06/02/2025	21:06	LB135981
	Copper	4.60	1250	0	90 - 110	P	06/02/2025	21:06	LB135981
	Iron	23.4	5000	0	90 - 110	P	06/02/2025	21:06	LB135981
	Lead	2.30	5000	0	90 - 110	P	06/02/2025	21:06	LB135981
	Magnesium	244	25000	0	90 - 110	P	06/02/2025	21:06	LB135981
	Manganese	5.94	2500	0	90 - 110	P	06/02/2025	21:06	LB135981
	Nickel	3.06	2500	0	90 - 110	P	06/02/2025	21:06	LB135981
	Potassium	918	25000	0	90 - 110	P	06/02/2025	21:06	LB135981
	Selenium	9.64	5000	0	90 - 110	P	06/02/2025	21:06	LB135981
	Silver	1.62	1250	0	90 - 110	P	06/02/2025	21:06	LB135981
	Sodium	868	25000	1	90 - 110	P	06/02/2025	21:06	LB135981
	Thallium	4.38	5000	0	90 - 110	P	06/02/2025	21:06	LB135981
	Vanadium	6.26	2500	0	90 - 110	P	06/02/2025	21:06	LB135981
	Zinc	16.7	2500	0	90 - 110	P	06/02/2025	21:06	LB135981

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Metals

- 2b -
CRDL STANDARD FOR AA & ICP

Client: CDM Smith **SDG No.:** Q2150

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q2150 **SAS No.:** Q2150

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	0.19	0.2	95	70 - 130	CV	05/30/2025	12:25	LB135958
CRI01	Aluminum	102	100	102	65 - 135	P	06/02/2025	13:08	LB135981
	Antimony	48.0	50.0	96	65 - 135	P	06/02/2025	13:08	LB135981
	Arsenic	20.4	20.0	102	65 - 135	P	06/02/2025	13:08	LB135981
	Barium	92.5	100	92	65 - 135	P	06/02/2025	13:08	LB135981
	Beryllium	5.91	6.0	99	65 - 135	P	06/02/2025	13:08	LB135981
	Cadmium	5.90	6.0	98	65 - 135	P	06/02/2025	13:08	LB135981
	Calcium	1910	2000	95	65 - 135	P	06/02/2025	13:08	LB135981
	Chromium	9.95	10.0	100	65 - 135	P	06/02/2025	13:08	LB135981
	Cobalt	28.9	30.0	96	65 - 135	P	06/02/2025	13:08	LB135981
	Copper	21.2	20.0	106	65 - 135	P	06/02/2025	13:08	LB135981
	Iron	106	100	106	65 - 135	P	06/02/2025	13:08	LB135981
	Lead	13.1	12.0	109	65 - 135	P	06/02/2025	13:08	LB135981
	Magnesium	1930	2000	96	65 - 135	P	06/02/2025	13:08	LB135981
	Manganese	20.1	20.0	101	65 - 135	P	06/02/2025	13:08	LB135981
	Nickel	39.5	40.0	99	65 - 135	P	06/02/2025	13:08	LB135981
	Potassium	1740	2000	87	65 - 135	P	06/02/2025	13:08	LB135981
	Selenium	19.1	20.0	96	65 - 135	P	06/02/2025	13:08	LB135981
	Silver	9.30	10.0	93	65 - 135	P	06/02/2025	13:08	LB135981
	Sodium	1690	2000	85	65 - 135	P	06/02/2025	13:08	LB135981
	Thallium	35.9	40.0	90	65 - 135	P	06/02/2025	13:08	LB135981
	Vanadium	36.5	40.0	91	65 - 135	P	06/02/2025	13:08	LB135981
	Zinc	40.4	40.0	101	65 - 135	P	06/02/2025	13:08	LB135981

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Metals
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INTERFERENCE CHECK SAMPLE

Client: CDM Smith **SDG No.:** Q2150

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q2150 **SAS No.:** Q2150

ICS Source: EPA **Instrument ID:** P4

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	250000	255000	98	216000	294000	06/02/2025	13:12	LB135981
	Antimony	-6.12			-50	50	06/02/2025	13:12	LB135981
	Arsenic	7.53			-20	20	06/02/2025	13:12	LB135981
	Barium	4.16	6.0	69	-94	106	06/02/2025	13:12	LB135981
	Beryllium	0.96			-6	6	06/02/2025	13:12	LB135981
	Cadmium	1.80	1.0	180	-5	7	06/02/2025	13:12	LB135981
	Calcium	235000	245000	96	208000	282000	06/02/2025	13:12	LB135981
	Chromium	47.6	52.0	92	42	62	06/02/2025	13:12	LB135981
	Cobalt	1.94			-30	30	06/02/2025	13:12	LB135981
	Copper	3.13	2.0	156	-18	22	06/02/2025	13:12	LB135981
	Iron	95800	101000	95	85600	116500	06/02/2025	13:12	LB135981
	Lead	-1.56			-12	12	06/02/2025	13:12	LB135981
	Magnesium	253000	255000	99	216000	294000	06/02/2025	13:12	LB135981
	Manganese	0.90	7.0	13	-13	27	06/02/2025	13:12	LB135981
	Nickel	3.02	2.0	151	-38	42	06/02/2025	13:12	LB135981
	Potassium	-11.0			0	0	06/02/2025	13:12	LB135981
	Selenium	-20.0			-20	20	06/02/2025	13:12	LB135981
	Silver	-1.42			-10	10	06/02/2025	13:12	LB135981
	Sodium	24.0			0	0	06/02/2025	13:12	LB135981
	Thallium	-1.34			-40	40	06/02/2025	13:12	LB135981
	Vanadium	2.48			-40	40	06/02/2025	13:12	LB135981
	Zinc	15.1			-40	40	06/02/2025	13:12	LB135981
ICSAB01	Aluminum	254000	247000	103	209000	285000	06/02/2025	13:35	LB135981
	Antimony	637	618	103	525	711	06/02/2025	13:35	LB135981
	Arsenic	113	104	109	88.4	120	06/02/2025	13:35	LB135981
	Barium	494	537	92	437	637	06/02/2025	13:35	LB135981
	Beryllium	491	495	99	420	570	06/02/2025	13:35	LB135981
	Cadmium	995	972	102	826	1120	06/02/2025	13:35	LB135981
	Calcium	239000	235000	102	199000	271000	06/02/2025	13:35	LB135981
	Chromium	565	542	104	460	624	06/02/2025	13:35	LB135981
	Cobalt	507	476	106	404	548	06/02/2025	13:35	LB135981
	Copper	508	511	99	434	588	06/02/2025	13:35	LB135981
	Iron	104000	99300	105	84400	114500	06/02/2025	13:35	LB135981
	Lead	42.0	49.0	86	37	61	06/02/2025	13:35	LB135981
	Magnesium	257000	248000	104	210000	286000	06/02/2025	13:35	LB135981
	Manganese	483	507	95	430	584	06/02/2025	13:35	LB135981
	Nickel	1010	954	106	810	1100	06/02/2025	13:35	LB135981
	Potassium	-12.9			0	0	06/02/2025	13:35	LB135981
	Selenium	60.7	46.0	132	26	66	06/02/2025	13:35	LB135981
	Silver	217	201	108	170	232	06/02/2025	13:35	LB135981
	Sodium	-31.0			0	0	06/02/2025	13:35	LB135981
	Thallium	99.6	108	92	68	148	06/02/2025	13:35	LB135981

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Metals
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INTERFERENCE CHECK SAMPLE

Client: CDM Smith **SDG No.:** Q2150

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q2150 **SAS No.:** Q2150

ICS Source: EPA **Instrument ID:** P4

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	485	491	99	417	565	06/02/2025	13:35	LB135981
	Zinc	1020	952	107	809	1095	06/02/2025	13:35	LB135981

METAL QC DATA

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metals
- 5a -
MATRIX SPIKE SUMMARY

client: CDM Smith **level:** low **sdg no.:** Q2150

contract: CAMP02 **lab code:** CHEM **case no.:** Q2150 **sas no.:** Q2150

matrix: Solid **sample id:** Q2150-01 **client id:** TP-44MS

Percent Solids for Sample: 78.9 **Spiked ID:** Q2150-01MS **Percent Solids for Spike Sample:** 78.9

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 120	0.34		0.030		0.33	95		CV

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metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: CDM Smith **level:** low **sdg no.:** Q2150

contract: CAMP02 **lab code:** CHEM **case no.:** Q2150 **sas no.:** Q2150

matrix: Solid **sample id:** Q2150-01 **client id:** TP-44MSD

Percent Solids for Sample: 78.9 **Spiked ID:** Q2150-01MSD **Percent Solids for Spike Sample:** 78.9

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 120	0.32		0.030		0.3	95		CV

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metals
- 5a -
MATRIX SPIKE SUMMARY

client: CDM Smith **level:** low **sdg no.:** Q2150

contract: CAMP02 **lab code:** CHEM **case no.:** Q2150 **sas no.:** Q2150

matrix: Solid **sample id:** Q2152-01 **client id:** OK-02-05292025MS

Percent Solids for Sample: 88 **Spiked ID:** Q2152-01MS **Percent Solids for Spike Sample:** 88

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	5510		5040		100	470		P
Antimony	mg/Kg	75 - 125	16.1		2.32	U	41.1	39	N	P
Arsenic	mg/Kg	75 - 125	35.7		1.71		41.1	83		P
Barium	mg/Kg	75 - 125	32.4		22.3		10.3	98		P
Beryllium	mg/Kg	75 - 125	8.10		0.43		10.3	74	N	P
Cadmium	mg/Kg	75 - 125	10.6		0.59		10.3	97		P
Calcium	mg/Kg	75 - 125	3330		4220		51.4	-1717		P
Chromium	mg/Kg	75 - 125	28.5		10.7		20.6	87		P
Cobalt	mg/Kg	75 - 125	18.4		8.33		10.3	97		P
Copper	mg/Kg	75 - 125	43.3		32.7		15.4	69	N	P
Iron	mg/Kg	75 - 125	12600		12500		150	78		P
Lead	mg/Kg	75 - 125	58.2		6.97		51.4	100		P
Magnesium	mg/Kg	75 - 125	3150		3070		100	76		P
Manganese	mg/Kg	75 - 125	175		150		10.3	246		P
Nickel	mg/Kg	75 - 125	41.4		13.2		25.7	109		P
Potassium	mg/Kg	75 - 125	1670		1290		510	74	N	P
Selenium	mg/Kg	75 - 125	78.5		0.93	U	100	78		P
Silver	mg/Kg	75 - 125	3.14		0.46	U	3.9	80		P
Sodium	mg/Kg	75 - 125	427		319		150	72	N	P
Thallium	mg/Kg	75 - 125	90.8		1.86	U	100	91		P
Vanadium	mg/Kg	75 - 125	35.5		23.8		15.4	76		P
Zinc	mg/Kg	75 - 125	33.6		23.6		10.3	97		P

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metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: CDM Smith **level:** low **sdg no.:** Q2150

contract: CAMP02 **lab code:** CHEM **case no.:** Q2150 **sas no.:** Q2150

matrix: Solid **sample id:** Q2152-01 **client id:** OK-02-05292025MSD

Percent Solids for Sample: 88 **Spiked ID:** Q2152-01MSD **Percent Solids for Spike Sample:** 88

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	5690		5040		100	649		P
Antimony	mg/Kg	75 - 125	15.0		2.32	U	40.4	37	N	P
Arsenic	mg/Kg	75 - 125	34.9		1.71		40.4	82		P
Barium	mg/Kg	75 - 125	33.5		22.3		10.1	110		P
Beryllium	mg/Kg	75 - 125	8.49		0.43		10.1	80		P
Cadmium	mg/Kg	75 - 125	10.2		0.59		10.1	95		P
Calcium	mg/Kg	75 - 125	3990		4220		50.5	-454		P
Chromium	mg/Kg	75 - 125	31.2		10.7		20.2	101		P
Cobalt	mg/Kg	75 - 125	18.5		8.33		10.1	101		P
Copper	mg/Kg	75 - 125	45.7		32.7		15.2	86		P
Iron	mg/Kg	75 - 125	12800		12500		150	210		P
Lead	mg/Kg	75 - 125	54.4		6.97		50.5	94		P
Magnesium	mg/Kg	75 - 125	3460		3070		100	394		P
Manganese	mg/Kg	75 - 125	171		150		10.1	215		P
Nickel	mg/Kg	75 - 125	38.6		13.2		25.3	100		P
Potassium	mg/Kg	75 - 125	1900		1290		510	119		P
Selenium	mg/Kg	75 - 125	77.0		0.93	U	100	77		P
Silver	mg/Kg	75 - 125	3.06		0.46	U	3.8	80		P
Sodium	mg/Kg	75 - 125	449		319		150	86		P
Thallium	mg/Kg	75 - 125	88.9		1.86	U	100	89		P
Vanadium	mg/Kg	75 - 125	36.4		23.8		15.2	83		P
Zinc	mg/Kg	75 - 125	32.9		23.6		10.1	92		P

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Metals
- 5b -
POST DIGEST SPIKE SUMMARY

Client: CDM Smith **SDG No.:** Q2150

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q2150 **SAS No.:** Q2150

Matrix: Solid **Level:** LOW **Client ID:** OK-02-05292025A

Sample ID: Q2152-01 **Spiked ID:** Q2152-01A

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Antimony	mg/Kg	75 - 125	31.1		2.32	U	37.1	84		P
Beryllium	mg/Kg	75 - 125	7.71		0.43		9.30	78		P
Copper	mg/Kg	75 - 125	47.6		32.7		13.9	108		P
Potassium	mg/Kg	75 - 125	1940		1290		460	143	N	P
Sodium	mg/Kg	75 - 125	376		319		140	41	N	P

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Metals

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DUPLICATE SAMPLE SUMMARY

Client: CDM Smith **Level:** LOW **SDG No.:** Q2150

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q2150 **SAS No.:** Q2150

Matrix: Solid **Sample ID:** Q2150-01 **Client ID:** TP-44DUP

Percent Solids for Sample: 78.9 **Duplicate ID** Q2150-01DUP **Percent Solids for Spike Sample:** 78.9

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	mg/Kg	20	0.030		0.026		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: CDM Smith **Level:** LOW **SDG No.:** Q2150

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q2150 **SAS No.:** Q2150

Matrix: Solid **Sample ID:** Q2150-01MS **Client ID:** TP-44MSD

Percent Solids for Sample: 78.9 **Duplicate ID** Q2150-01MSD **Percent Solids for Spike Sample:** 78.9

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	mg/Kg	20	0.34		0.32		9		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: CDM Smith **Level:** LOW **SDG No.:** Q2150

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q2150 **SAS No.:** Q2150

Matrix: Solid **Sample ID:** Q2152-01 **Client ID:** OK-02-05292025DUP

Percent Solids for Sample: 88 **Duplicate ID** Q2152-01DUP **Percent Solids for Spike Sample:** 88

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	mg/Kg	20	5040		5650		11		P
Antimony	mg/Kg	20	2.32	U	2.56	U			P
Arsenic	mg/Kg	20	1.71		1.76		3		P
Barium	mg/Kg	20	22.3		30.5		31	*	P
Beryllium	mg/Kg	20	0.43		0.31		34	*	P
Cadmium	mg/Kg	20	0.59		0.45		27	*	P
Calcium	mg/Kg	20	4220		3020		33	*	P
Chromium	mg/Kg	20	10.7		16.1		41	*	P
Cobalt	mg/Kg	20	8.33		8.00		4		P
Copper	mg/Kg	20	32.7		40.6		22	*	P
Iron	mg/Kg	20	12500		13100		5		P
Lead	mg/Kg	20	6.97		7.83		12		P
Magnesium	mg/Kg	20	3070		3560		15		P
Manganese	mg/Kg	20	150		169		12		P
Nickel	mg/Kg	20	13.2		15.4		15		P
Potassium	mg/Kg	20	1290		1790		32	*	P
Selenium	mg/Kg	20	0.93	U	1.02	U			P
Silver	mg/Kg	20	0.46	U	0.51	U			P
Sodium	mg/Kg	20	319		302		5		P
Thallium	mg/Kg	20	1.86	U	2.05	U			P
Vanadium	mg/Kg	20	23.8		23.9		0		P
Zinc	mg/Kg	20	23.6		26.0		10		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: CDM Smith **Level:** LOW **SDG No.:** Q2150

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q2150 **SAS No.:** Q2150

Matrix: Solid **Sample ID:** Q2152-01MS **Client ID:** OK-02-05292025MSD

Percent Solids for Sample: 88 **Duplicate ID** Q2152-01MSD **Percent Solids for Spike Sample:** 88

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	mg/Kg	20	5510		5690		3		P
Antimony	mg/Kg	20	16.1		15.0		7		P
Arsenic	mg/Kg	20	35.7		34.9		2		P
Barium	mg/Kg	20	32.4		33.5		3		P
Beryllium	mg/Kg	20	8.10		8.49		5		P
Cadmium	mg/Kg	20	10.6		10.2		4		P
Calcium	mg/Kg	20	3330		3990		18		P
Chromium	mg/Kg	20	28.5		31.2		9		P
Cobalt	mg/Kg	20	18.4		18.5		1		P
Copper	mg/Kg	20	43.3		45.7		5		P
Iron	mg/Kg	20	12600		12800		2		P
Lead	mg/Kg	20	58.2		54.4		7		P
Magnesium	mg/Kg	20	3150		3460		9		P
Manganese	mg/Kg	20	175		171		2		P
Nickel	mg/Kg	20	41.4		38.6		7		P
Potassium	mg/Kg	20	1670		1900		13		P
Selenium	mg/Kg	20	78.5		77.0		2		P
Silver	mg/Kg	20	3.14		3.06		3		P
Sodium	mg/Kg	20	427		449		5		P
Thallium	mg/Kg	20	90.8		88.9		2		P
Vanadium	mg/Kg	20	35.5		36.4		3		P
Zinc	mg/Kg	20	33.6		32.9		2		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

LABORATORY CONTROL SAMPLE SUMMARY

Client: CDM Smith **SDG No.:** Q2150

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q2150 **SAS No.:** Q2150

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB168215BS							
Aluminum	mg/Kg	100	99.8		100	80 - 120	P
Antimony	mg/Kg	40.0	42.0		105	80 - 120	P
Arsenic	mg/Kg	40.0	41.0		102	80 - 120	P
Barium	mg/Kg	10.0	9.37		94	80 - 120	P
Beryllium	mg/Kg	10.0	10.1		101	80 - 120	P
Cadmium	mg/Kg	10.0	10.0		100	80 - 120	P
Calcium	mg/Kg	50.0	50.4	J	101	80 - 120	P
Chromium	mg/Kg	20.0	20.8		104	80 - 120	P
Cobalt	mg/Kg	10.0	10.0		100	80 - 120	P
Copper	mg/Kg	15.0	15.9		106	80 - 120	P
Iron	mg/Kg	150	152		101	80 - 120	P
Lead	mg/Kg	50.0	48.9		98	80 - 120	P
Magnesium	mg/Kg	100	97.4	J	97	80 - 120	P
Manganese	mg/Kg	10.0	9.85		98	80 - 120	P
Nickel	mg/Kg	25.0	25.4		102	80 - 120	P
Potassium	mg/Kg	500	484		97	80 - 120	P
Selenium	mg/Kg	100	104		104	80 - 120	P
Silver	mg/Kg	3.8	3.77		99	80 - 120	P
Sodium	mg/Kg	150	138		92	80 - 120	P
Thallium	mg/Kg	100	99.5		100	80 - 120	P
Vanadium	mg/Kg	15.0	14.7		98	80 - 120	P
Zinc	mg/Kg	10.0	10.3		103	80 - 120	P

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Metals

LABORATORY CONTROL SAMPLE SUMMARY

Client: CDM Smith **SDG No.:** Q2150

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q2150 **SAS No.:** Q2150

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB168222BS							
Mercury	mg/Kg	0.25	0.21		86	80 - 120	CV

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Metals

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ICP SERIAL DILUTIONS

SAMPLE NO.

TP-44L

Lab Name: Chemtech Consulting Group **Contract:** CAMP02

Lab Code: CHEM **Lb No.:** lb135958 **Lab Sample ID :** Q2150-01L **SDG No.:** Q2150

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	0.030		0.076	U	100.0		CV

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Metals

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ICP SERIAL DILUTIONS

SAMPLE NO.

OK-02-05292025L

Lab Name: Chemtech Consulting Group **Contract:** CAMP02

Lab Code: CHEM **Lb No.:** lb135981 **Lab Sample ID :** Q2152-01L **SDG No.:** Q2150

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	5040		6090		21		P
Antimony	2.32	U	11.6	U			P
Arsenic	1.71		2.40	J	40		P
Barium	22.3		26.5		19		P
Beryllium	0.43		0.56	J	30		P
Cadmium	0.59		1.39	U	100.0		P
Calcium	4220		5230		24		P
Chromium	10.7		13.2		24		P
Cobalt	8.33		7.99		4		P
Copper	32.7		41.6		27		P
Iron	12500		14600		17		P
Lead	6.97		7.01		1		P
Magnesium	3070		3780		23		P
Manganese	150		189		26		P
Nickel	13.2		13.2		0		P
Potassium	1290		1390		8		P
Selenium	0.93	U	4.64	U			P
Silver	0.46	U	2.32	U			P
Sodium	319		344	J	8		P
Thallium	1.86	U	9.28	U			P
Vanadium	23.8		29.0		22		P
Zinc	23.6		30.2		28		P

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ANALYSIS RUN LOG

Client: CDM Smith **Contract:** CAMP02

Lab code: CHEM **Case no.:** Q2150 **Sas no.:** Q2150 **Sdg no.:** Q2150

Instrument id number: **Method:** **Run number:** LB135958

Start date: 05/30/2025 **End date:** 05/30/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1145	HG
S0.2	S0.2	1	1148	HG
S2.5	S2.5	1	1150	HG
S5	S5	1	1158	HG
S7.5	S7.5	1	1203	HG
S10	S10	1	1210	HG
ICV22	ICV22	1	1216	HG
ICB22	ICB22	1	1218	HG
CCV79	CCV79	1	1220	HG
CCB79	CCB79	1	1223	HG
CRA	CRA	1	1225	HG
PB168222BL	PB168222BL	1	1235	HG
PB168222BS	PB168222BS	1	1242	HG
CCV80	CCV80	1	1255	HG
CCB80	CCB80	1	1258	HG
Q2150-01	TP-44	1	1305	HG
Q2150-01DUP	TP-44DUP	1	1307	HG
Q2150-01MS	TP-44MS	1	1312	HG
Q2150-01MSD	TP-44MSD	1	1315	HG
Q2150-02	TP-42	1	1317	HG
Q2150-03	TP-39	1	1319	HG
Q2150-04	TP-48	1	1322	HG
Q2150-05	TP-47	1	1324	HG
Q2150-06	TP-50	1	1326	HG
Q2150-07	TP-51	1	1328	HG
CCV81	CCV81	1	1331	HG
CCB81	CCB81	1	1337	HG
Q2150-08	TP-52	1	1340	HG
Q2150-09	TP-54	1	1342	HG
Q2150-10	TP-53	1	1344	HG
Q2150-01L	TP-44L	5	1356	HG
CCV82	CCV82	1	1400	HG
CCB82	CCB82	1	1402	HG

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metals
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ANALYSIS RUN LOG

Client: CDM Smith **Contract:** CAMP02

Lab code: CHEM **Case no.:** Q2150 **Sas no.:** Q2150 **Sdg no.:** Q2150

Instrument id number: **Method:** **Run number:** LB135981

Start date: 06/02/2025 **End date:** 06/02/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1212	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	1216	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	1221	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	1225	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	1229	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	1233	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	1237	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	1259	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	1303	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	1308	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	1312	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	1335	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICSA01	ICSA01	20	1345	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICSAB01	ICSAB01	20	1356	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	1414	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	1428	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	1511	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	1516	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2152-01DUP	OK-02-05292025DUP	1	1550	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2152-01L	OK-02-05292025L	5	1554	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	1558	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	1602	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2152-01MS	OK-02-05292025MS	1	1606	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2152-01MSD	OK-02-05292025MSD	1	1610	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2152-01A	OK-02-05292025A	1	1614	Be,Cu,K,Na,Sb
CCV04	CCV04	1	1649	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	1655	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB168215BL	PB168215BL	1	1721	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB168215BS	PB168215BS	1	1725	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	1738	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	1742	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2150-01	TP-44	1	1747	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2150-02	TP-42	1	1751	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2150-03	TP-39	1	1755	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2150-04	TP-48	1	1759	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2150-05	TP-47	1	1803	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2150-06	TP-50	1	1807	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2150-07	TP-51	1	1812	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2150-08	TP-52	1	1816	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2150-09	TP-54	1	1820	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV06	CCV06	1	1824	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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ANALYSIS RUN LOG

Client: CDM Smith **Contract:** CAMP02

Lab code: CHEM **Case no.:** Q2150 **Sas no.:** Q2150 **Sdg no.:** Q2150

Instrument id number: **Method:** **Run number:** LB135981

Start date: 06/02/2025 **End date:** 06/02/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
CCB06	CCB06	1	1828	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2150-10	TP-53	1	1833	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	1911	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	1915	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	1957	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	2001	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV09	CCV09	1	2045	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB09	CCB09	1	2049	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV10	CCV10	1	2106	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB10	CCB10	1	2111	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn

METAL PREPARATION & INSTRUMENT DATA

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ICP INTERELEMENT CORRECTION FACTORS

Client: CDM Smith **SDG No.:** Q2150

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q2150 **SAS No.:** Q2150

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	-0.0002060	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	-0.0000440	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	0.0000930	0.0000000	0.0000000
Calcium	373.690	0.0000000	0.0000000	-0.0075970	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	0.0007850	0.0000000	0.0000000
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	-0.0000920	0.0000000	0.0000380	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	-0.0001440	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	-0.0001490	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	0.0001050	0.0000000	0.0000000

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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: CDM Smith **SDG No.:** Q2150

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q2150 **SAS No.:** Q2150

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	0.0002870
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	0.0009530
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	-0.0039600
Lead	220.353	0.0000000	0.0003170	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	-0.0003570
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	0.0054900
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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ICP INTERELEMENT CORRECTION FACTORS

Client: CDM Smith **SDG No.:** Q2150

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q2150 **SAS No.:** Q2150

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	0.0000590	0.0000000	0.0396900
Antimony	206.833	0.0122000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	193.759	-0.0029000	0.0000000	0.0000000	0.0000000	0.0004900
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	-0.0000710	-0.0003400
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	0.0000070	0.0002200	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	-0.0007860
Copper	224.700	0.0000000	0.0000000	0.0000000	0.0006510	0.0020500
Iron	240.488	0.0000000	0.0000000	0.0000730	0.0000000	-0.0015250
Lead	220.353	0.0000000	0.0000000	0.0000000	0.0001400	-0.0008600
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	0.0007460	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	-0.0000120
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0017400	-0.0100400
Vanadium	292.402	-0.0025100	0.0000000	0.0000000	0.0000000	-0.0072000
Zinc	213.800	0.0000000	0.0009010	0.0000000	0.0000000	0.0000000

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ICP INTERELEMENT CORRECTION FACTORS

Client: CDM Smith **SDG No.:** Q2150

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q2150 **SAS No.:** Q2150

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	0.0012800	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	-0.0047000	0.0036100	0.0000000	0.0000000
Iron	240.488	0.0000000	-0.0017000	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	0.0006580	0.0000000	0.0000000	0.0001290
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	0.0003330	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	0.0067600	0.0000000	0.0000000	0.0000000

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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: CDM Smith **SDG No.:** Q2150

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q2150 **SAS No.:** Q2150

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	-0.0035600	-0.0007970	0.0000000	-0.0018900	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	0.0000630	0.0001280	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	0.0001110	0.0000000
Cobalt	228.616	0.0000000	0.0018800	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	0.0003840	0.0000000	0.0000000	0.0000000
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	-0.0003610	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	-0.0007420	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	-0.0039700	0.0000000	-0.0115600	0.0000000
Vanadium	292.402	0.0000000	0.0005320	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:	Q2150	**OrderDate:**	5/28/2025 3:53:00 PM
Client:	CDM Smith	**Project:**	South River WM Replacement
Contact:	Marcie Ann Encinas	**Location:**	L41,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2150-01	**TP-44**	**SOIL**			**05/27/25**			**05/28/25**
			Mercury	7471B		05/30/25	05/30/25	
			Metals ICP-TAL	6010D		05/30/25	06/02/25	
Q2150-02	**TP-42**	**SOIL**			**05/27/25**			**05/28/25**
			Mercury	7471B		05/30/25	05/30/25	
			Metals ICP-TAL	6010D		05/30/25	06/02/25	
Q2150-03	**TP-39**	**SOIL**			**05/27/25**			**05/28/25**
			Mercury	7471B		05/30/25	05/30/25	
			Metals ICP-TAL	6010D		05/30/25	06/02/25	
Q2150-04	**TP-48**	**SOIL**			**05/27/25**			**05/28/25**
			Mercury	7471B		05/30/25	05/30/25	
			Metals ICP-TAL	6010D		05/30/25	06/02/25	
Q2150-05	**TP-47**	**SOIL**			**05/27/25**			**05/28/25**
			Mercury	7471B		05/30/25	05/30/25	
			Metals ICP-TAL	6010D		05/30/25	06/02/25	
Q2150-06	**TP-50**	**SOIL**			**05/27/25**			**05/28/25**
			Mercury	7471B		05/30/25	05/30/25	
			Metals ICP-TAL	6010D		05/30/25	06/02/25	
Q2150-07	**TP-51**	**SOIL**			**05/27/25**			**05/28/25**
			Mercury	7471B		05/30/25	05/30/25	
			Metals ICP-TAL	6010D		05/30/25	06/02/25	
Q2150-08	**TP-52**	**SOIL**			**05/28/25**			**05/28/25**
			Mercury	7471B		05/30/25	05/30/25	
			Metals ICP-TAL	6010D		05/30/25	06/02/25	
Q2150-09	**TP-54**	**SOIL**			**05/28/25**			**05/28/25**

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LAB CHRONICLE

			Mercury	7471B		05/30/25	05/30/25
			Metals ICP-TAL	6010D		05/30/25	06/02/25
Q2150-10	**TP-53**	**SOIL**			**05/28/25**		**05/28/25**
			Mercury	7471B		05/30/25	05/30/25
			Metals ICP-TAL	6010D		05/30/25	06/02/25

METAL PREPARATION & ANALYICAL SUMMARY

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Metals
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SAMPLE PREPARATION SUMMARY

Client: CDM Smith **SDG No.:** Q2150

Contract: CAMP02 **Lab Code:** CHEM **Method:**

Case No.: Q2150 **SAS No.:** Q2150

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(g)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB168215**						
PB168215BL	PB168215BL	MB	SOLID	05/30/2025	2.00	100.0	100.00
PB168215BS	PB168215BS	LCS	SOLID	05/30/2025	2.00	100.0	100.00
Q2150-01	TP-44	SAM	SOLID	05/30/2025	2.10	100.0	78.90
Q2150-02	TP-42	SAM	SOLID	05/30/2025	2.18	100.0	86.20
Q2150-03	TP-39	SAM	SOLID	05/30/2025	2.10	100.0	83.70
Q2150-04	TP-48	SAM	SOLID	05/30/2025	2.11	100.0	80.70
Q2150-05	TP-47	SAM	SOLID	05/30/2025	2.18	100.0	81.00
Q2150-06	TP-50	SAM	SOLID	05/30/2025	2.44	100.0	86.00
Q2150-07	TP-51	SAM	SOLID	05/30/2025	2.19	100.0	83.70
Q2150-08	TP-52	SAM	SOLID	05/30/2025	2.25	100.0	85.70
Q2150-09	TP-54	SAM	SOLID	05/30/2025	2.08	100.0	83.60
Q2150-10	TP-53	SAM	SOLID	05/30/2025	2.12	100.0	85.30
Q2152-01DUP	OK-02-05292025DUP	DUP	SOLID	05/30/2025	2.22	100.0	88.00
Q2152-01MS	OK-02-05292025MS	MS	SOLID	05/30/2025	2.21	100.0	88.00
Q2152-01MSD	OK-02-05292025MSD	MSD	SOLID	05/30/2025	2.25	100.0	88.00

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Metals
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SAMPLE PREPARATION SUMMARY

Client: CDM Smith **SDG No.:** Q2150

Contract: CAMP02 **Lab Code:** CHEM **Method:**

Case No.: Q2150 **SAS No.:** Q2150

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(g)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB168222**						
PB168222BL	PB168222BL	MB	SOLID	05/30/2025	0.59	35.0	100.00
PB168222BS	PB168222BS	LCS	SOLID	05/30/2025	0.57	35.0	100.00
Q2150-01	TP-44	SAM	SOLID	05/30/2025	0.58	35.0	78.90
Q2150-01DUP	TP-44DUP	DUP	SOLID	05/30/2025	0.59	35.0	78.90
Q2150-01MS	TP-44MS	MS	SOLID	05/30/2025	0.53	35.0	78.90
Q2150-01MSD	TP-44MSD	MSD	SOLID	05/30/2025	0.60	35.0	78.90
Q2150-02	TP-42	SAM	SOLID	05/30/2025	0.60	35.0	86.20
Q2150-03	TP-39	SAM	SOLID	05/30/2025	0.55	35.0	83.70
Q2150-04	TP-48	SAM	SOLID	05/30/2025	0.56	35.0	80.70
Q2150-05	TP-47	SAM	SOLID	05/30/2025	0.56	35.0	81.00
Q2150-06	TP-50	SAM	SOLID	05/30/2025	0.54	35.0	86.00
Q2150-07	TP-51	SAM	SOLID	05/30/2025	0.50	35.0	83.70
Q2150-08	TP-52	SAM	SOLID	05/30/2025	0.60	35.0	85.70
Q2150-09	TP-54	SAM	SOLID	05/30/2025	0.54	35.0	83.60
Q2150-10	TP-53	SAM	SOLID	05/30/2025	0.50	35.0	85.30

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Instrument ID: CV1

Daily Analysis Runlog For Sequence/QCBatch ID # LB135958

Review By	MOHAN	Review On	6/2/2025 10:14:34 AM
Supervise By	jaswal	Supervise On	6/2/2025 4:46:20 PM

STD. NAME	STD REF.#
ICAL Standard	MP85798,MP85799,MP85800,MP85801,MP85802,MP85803
ICV Standard	MP85804
CCV Standard	MP85806
ICSA Standard	
CRI Standard	MP85808
LCS Standard	
Chk Standard	MP85805,MP85807,MP85809,MP85811

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	05/30/25 11:45		MOHAN	OK
2	S0.2	S0.2	CAL2	05/30/25 11:48		MOHAN	OK
3	S2.5	S2.5	CAL3	05/30/25 11:50		MOHAN	OK
4	S5	S5	CAL4	05/30/25 11:58		MOHAN	OK
5	S7.5	S7.5	CAL5	05/30/25 12:03		MOHAN	OK
6	S10	S10	CAL6	05/30/25 12:10		MOHAN	OK
7	ICV22	ICV22	ICV	05/30/25 12:16		MOHAN	OK
8	ICB22	ICB22	ICB	05/30/25 12:18		MOHAN	OK
9	CCV79	CCV79	CCV	05/30/25 12:20		MOHAN	OK
10	CCB79	CCB79	CCB	05/30/25 12:23		MOHAN	OK
11	CRA	CRA	CRDL	05/30/25 12:25		MOHAN	OK
12	HighStd	HighStd	HIGH STD	05/30/25 12:27		MOHAN	OK
13	ChkStd	ChkStd	SAM	05/30/25 12:29		MOHAN	OK
14	PB168222BL	PB168222BL	MB	05/30/25 12:35		MOHAN	OK
15	PB168222BS	PB168222BS	LCS	05/30/25 12:42		MOHAN	OK
16	Q2136-01	OR-646-COMP-52	SAM	05/30/25 12:44		MOHAN	OK
17	Q2137-01	MOO-25-0151	SAM	05/30/25 12:46		MOHAN	OK
18	Q2139-01	BELL-25-0010	SAM	05/30/25 12:48		MOHAN	OK

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Instrument ID: CV1

Daily Analysis Runlog For Sequence/QCBatch ID # LB135958

Review By	MOHAN	Review On	6/2/2025 10:14:34 AM
Supervise By	jaswal	Supervise On	6/2/2025 4:46:20 PM

STD. NAME	STD REF.#
ICAL Standard	MP85798,MP85799,MP85800,MP85801,MP85802,MP85803
ICV Standard	MP85804
CCV Standard	MP85806
ICSA Standard	
CRI Standard	MP85808
LCS Standard	
Chk Standard	MP85805,MP85807,MP85809,MP85811

19	Q2141-01	VNJ-215	SAM	05/30/25 12:51		MOHAN	OK
20	Q2146-01	TP04-MHN-WC	SAM	05/30/25 12:53		MOHAN	OK
21	CCV80	CCV80	CCV	05/30/25 12:55		MOHAN	OK
22	CCB80	CCB80	CCB	05/30/25 12:58		MOHAN	OK
23	Q2150-01	TP-44	SAM	05/30/25 13:05		MOHAN	OK
24	Q2150-01DUP	TP-44DUP	DUP	05/30/25 13:07		MOHAN	OK
25	Q2150-01MS	TP-44MS	MS	05/30/25 13:12		MOHAN	OK
26	Q2150-01MSD	TP-44MSD	MSD	05/30/25 13:15		MOHAN	OK
27	Q2150-02	TP-42	SAM	05/30/25 13:17		MOHAN	OK
28	Q2150-03	TP-39	SAM	05/30/25 13:19		MOHAN	OK
29	Q2150-04	TP-48	SAM	05/30/25 13:22		MOHAN	OK
30	Q2150-05	TP-47	SAM	05/30/25 13:24		MOHAN	OK
31	Q2150-06	TP-50	SAM	05/30/25 13:26		MOHAN	OK
32	Q2150-07	TP-51	SAM	05/30/25 13:28		MOHAN	OK
33	CCV81	CCV81	CCV	05/30/25 13:31		MOHAN	OK
34	CCB81	CCB81	CCB	05/30/25 13:37		MOHAN	OK
35	Q2150-08	TP-52	SAM	05/30/25 13:40		MOHAN	OK
36	Q2150-09	TP-54	SAM	05/30/25 13:42		MOHAN	OK
37	Q2150-10	TP-53	SAM	05/30/25 13:44		MOHAN	OK
38	Q2151-01	WC-1	SAM	05/30/25 13:47		MOHAN	OK

Alliance TECHNICAL GROUP
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Instrument ID: CV1

Daily Analysis Runlog For Sequence/QCBatch ID # LB135958

Review By	MOHAN	Review On	6/2/2025 10:14:34 AM
Supervise By	jaswal	Supervise On	6/2/2025 4:46:20 PM

STD. NAME	STD REF.#
ICAL Standard	MP85798,MP85799,MP85800,MP85801,MP85802,MP85803
ICV Standard	MP85804
CCV Standard	MP85806
ICSA Standard	
CRI Standard	MP85808
LCS Standard	
Chk Standard	MP85805,MP85807,MP85809,MP85811

39	Q2155-01	446	SAM	05/30/25 13:49		MOHAN	OK
40	Q2155-02	447-SOLID	SAM	05/30/25 13:51		MOHAN	OK
41	Q2157-01	291	SAM	05/30/25 13:53		MOHAN	OK
42	Q2150-01L	TP-44L	SD	05/30/25 13:56		MOHAN	OK
43	Q2150-01A	TP-44A	PS	05/30/25 13:58		MOHAN	OK
44	CCV82	CCV82	CCV	05/30/25 14:00		MOHAN	OK
45	CCB82	CCB82	CCB	05/30/25 14:02		MOHAN	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB135981

Review By	jaswal	Review On	6/3/2025 4:30:35 PM
Supervise By	mohan	Supervise On	6/3/2025 4:36:15 PM

STD. NAME	STD REF.#
ICAL Standard	MP85545,MP85552,MP85549,MP85548,MP85547,MP85546
ICV Standard	MP85553
CCV Standard	MP85556
ICSA Standard	MP85554,MP85555
CRI Standard	MP85552
LCS Standard	
Chk Standard	MP85557,MP85558

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	06/02/25 12:12		Jaswal	OK
2	S1	S1	CAL2	06/02/25 12:16		Jaswal	OK
3	S2	S2	CAL3	06/02/25 12:21		Jaswal	OK
4	S3	S3	CAL4	06/02/25 12:25		Jaswal	OK
5	S4	S4	CAL5	06/02/25 12:29		Jaswal	OK
6	S5	S5	CAL6	06/02/25 12:33		Jaswal	OK
7	ICV01	ICV01	ICV	06/02/25 12:37		Jaswal	OK
8	LLICV01	LLICV01	LLICV	06/02/25 12:59		Jaswal	OK
9	ICB01	ICB01	ICB	06/02/25 13:03		Jaswal	OK
10	CRI01	CRI01	CRDL	06/02/25 13:08		Jaswal	OK
11	ICSA01	ICSA01	ICSA	06/02/25 13:12		Jaswal	OK
12	ICSAB01	ICSAB01	ICSAB	06/02/25 13:35		Jaswal	OK
13	ICSA01DL	ICSA01DL	ICSA	06/02/25 13:45		Jaswal	OK
14	ICSAB01DL	ICSAB01DL	ICSAB	06/02/25 13:56		Jaswal	OK
15	CCV01	CCV01	CCV	06/02/25 14:14		Jaswal	OK
16	CCB01	CCB01	CCB	06/02/25 14:28		Jaswal	OK
17	Q2136-05	OR-646-COMP-52	SAM	06/02/25 14:32		Jaswal	OK
18	Q2143-01	ELI-46-36-25-58-53	SAM	06/02/25 14:37		Jaswal	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB135981

Review By	jaswal	Review On	6/3/2025 4:30:35 PM
Supervise By	mohan	Supervise On	6/3/2025 4:36:15 PM

STD. NAME	STD REF.#
ICAL Standard	MP85545,MP85552,MP85549,MP85548,MP85547,MP85546
ICV Standard	MP85553
CCV Standard	MP85556
ICSA Standard	MP85554,MP85555
CRI Standard	MP85552
LCS Standard	
Chk Standard	MP85557,MP85558

19	Q2143-02	ELI-57-43-35-26	SAM	06/02/25 14:41		Jaswal	OK
20	Q2146-04	TP04-MHN-WC	SAM	06/02/25 14:46		Jaswal	OK
21	Q2146-01	TP04-MHN-WC	SAM	06/02/25 14:50		Jaswal	OK
22	Q2146-01DUP	TP04-MHN-WCDUP	DUP	06/02/25 14:54		Jaswal	OK
23	Q2146-01L	TP04-MHN-WCL	SD	06/02/25 14:59		Jaswal	OK
24	Q2146-01MS	TP04-MHN-WCMS	MS	06/02/25 15:03		Jaswal	OK
25	Q2146-01MSD	TP04-MHN-WCMSD	MSD	06/02/25 15:07		Jaswal	OK
26	CCV02	CCV02	CCV	06/02/25 15:11		Jaswal	OK
27	CCB02	CCB02	CCB	06/02/25 15:16		Jaswal	OK
28	Q2146-01A	TP04-MHN-WCA	PS	06/02/25 15:20		Jaswal	OK
29	Q2102-05	LAW-25-0077	SAM	06/02/25 15:24		Jaswal	OK
30	Q2144-01	OILY-DEBRIS-COMP-	SAM	06/02/25 15:28		Jaswal	OK
31	Q2144-02	OILY-DEBRIS-COMP-	SAM	06/02/25 15:33		Jaswal	OK
32	Q2149-01	FILTER-CAKE	SAM	06/02/25 15:37		Jaswal	OK
33	Q2153-01	TR-04-0592025	SAM	06/02/25 15:42		Jaswal	OK
34	Q2152-01	OK-02-05292025	SAM	06/02/25 15:46		Jaswal	OK
35	Q2152-01DUP	OK-02-05292025DUP	DUP	06/02/25 15:50		Jaswal	OK
36	Q2152-01L	OK-02-05292025L	SD	06/02/25 15:54		Jaswal	OK
37	CCV03	CCV03	CCV	06/02/25 15:58		Jaswal	OK
38	CCB03	CCB03	CCB	06/02/25 16:02		Jaswal	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB135981

Review By	jaswal	Review On	6/3/2025 4:30:35 PM
Supervise By	mohan	Supervise On	6/3/2025 4:36:15 PM

STD. NAME	STD REF.#
ICAL Standard	MP85545,MP85552,MP85549,MP85548,MP85547,MP85546
ICV Standard	MP85553
CCV Standard	MP85556
ICSA Standard	MP85554,MP85555
CRI Standard	MP85552
LCS Standard	
Chk Standard	MP85557,MP85558

39	Q2152-01MS	OK-02-05292025MS	MS	06/02/25 16:06		Jaswal	OK
40	Q2152-01MSD	OK-02-05292025MSD	MSD	06/02/25 16:10		Jaswal	OK
41	Q2152-01A	OK-02-05292025A	PS	06/02/25 16:14		Jaswal	OK
42	Q2151-01	WC-1	SAM	06/02/25 16:18		Jaswal	OK
43	Q2151-04	WC-1	SAM	06/02/25 16:22		Jaswal	OK
44	Q2151-04DUP	WC-1DUP	DUP	06/02/25 16:27		Jaswal	OK
45	Q2151-04L	WC-1L	SD	06/02/25 16:31		Jaswal	OK
46	Q2151-04MS	WC-1MS	MS	06/02/25 16:36		Jaswal	OK
47	Q2151-04MSD	WC-1MSD	MSD	06/02/25 16:40		Jaswal	OK
48	CCV04	CCV04	CCV	06/02/25 16:49		Jaswal	OK
49	CCB04	CCB04	CCB	06/02/25 16:55		Jaswal	OK
50	Q2151-04A	WC-1A	PS	06/02/25 17:00		Jaswal	OK
51	Q2137-03DL	MOO-25-0149DL	SAM	06/02/25 17:04	Straight 5x for all elements	Jaswal	OK
52	PB168190TB	PB168190TB	MB	06/02/25 17:08		Jaswal	OK
53	PB168214BL	PB168214BL	MB	06/02/25 17:13		Jaswal	OK
54	PB168214BS	PB168214BS	LCS	06/02/25 17:17		Jaswal	OK
55	PB168215BL	PB168215BL	MB	06/02/25 17:21		Jaswal	OK
56	PB168215BS	PB168215BS	LCS	06/02/25 17:25		Jaswal	OK
57	PB168200BL	PB168200BL	MB	06/02/25 17:29		Jaswal	OK
58	PB168200BS	PB168200BS	LCS	06/02/25 17:34		Jaswal	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB135981

Review By	jaswal	Review On	6/3/2025 4:30:35 PM
Supervise By	mohan	Supervise On	6/3/2025 4:36:15 PM

STD. NAME	STD REF.#
ICAL Standard	MP85545,MP85552,MP85549,MP85548,MP85547,MP85546
ICV Standard	MP85553
CCV Standard	MP85556
ICSA Standard	MP85554,MP85555
CRI Standard	MP85552
LCS Standard	
Chk Standard	MP85557,MP85558

59	CCV05	CCV05	CCV	06/02/25 17:38		Jaswal	OK
60	CCB05	CCB05	CCB	06/02/25 17:42		Jaswal	OK
61	Q2150-01	TP-44	SAM	06/02/25 17:47		Jaswal	OK
62	Q2150-02	TP-42	SAM	06/02/25 17:51		Jaswal	OK
63	Q2150-03	TP-39	SAM	06/02/25 17:55		Jaswal	OK
64	Q2150-04	TP-48	SAM	06/02/25 17:59		Jaswal	OK
65	Q2150-05	TP-47	SAM	06/02/25 18:03		Jaswal	OK
66	Q2150-06	TP-50	SAM	06/02/25 18:07		Jaswal	OK
67	Q2150-07	TP-51	SAM	06/02/25 18:12		Jaswal	OK
68	Q2150-08	TP-52	SAM	06/02/25 18:16		Jaswal	OK
69	Q2150-09	TP-54	SAM	06/02/25 18:20		Jaswal	OK
70	CCV06	CCV06	CCV	06/02/25 18:24		Jaswal	OK
71	CCB06	CCB06	CCB	06/02/25 18:28		Jaswal	OK
72	Q2150-10	TP-53	SAM	06/02/25 18:33		Jaswal	OK
73	Q2133-01	MW1	SAM	06/02/25 18:37		Jaswal	OK
74	Q2133-02	MW5	SAM	06/02/25 18:41	Na oversaturated	Jaswal	Dilution
75	Q2133-03	SUPPLY	SAM	06/02/25 18:45	NOT USE	Jaswal	Not Ok
76	Q2133-03DUP	SUPPLYDUP	DUP	06/02/25 18:50	Bad injection	Jaswal	Not Ok
77	Q2133-03L	SUPPLYL	SD	06/02/25 18:54	NOT USE	Jaswal	Not Ok
78	Q2133-03MS	SUPPLYMS	MS	06/02/25 18:59	Bad injection	Jaswal	Not Ok

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

Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB135981

Review By	jaswal	Review On	6/3/2025 4:30:35 PM
Supervise By	mohan	Supervise On	6/3/2025 4:36:15 PM

STD. NAME	STD REF.#
ICAL Standard	MP85545,MP85552,MP85549,MP85548,MP85547,MP85546
ICV Standard	MP85553
CCV Standard	MP85556
ICSA Standard	MP85554,MP85555
CRI Standard	MP85552
LCS Standard	
Chk Standard	MP85557,MP85558

79	Q2133-03MSD	SUPPLYMSD	MSD	06/02/25 19:03	NOT USE	Jaswal	Not Ok
80	Q2133-03A	SUPPLYA	PS	06/02/25 19:07	NOT USE	Jaswal	Not Ok
81	CCV07	CCV07	CCV	06/02/25 19:11		Jaswal	OK
82	CCB07	CCB07	CCB	06/02/25 19:15		Jaswal	OK
83	Q2134-01	MW10	SAM	06/02/25 19:19	Mn high	Jaswal	Dilution
84	Q2101-01	TP-1-MHE	SAM	06/02/25 19:24	NOT USE	Jaswal	Not Ok
85	Q2101-01DUP	TP-1-MHEDUP	DUP	06/02/25 19:28	Need to Confirm	Jaswal	Not Ok
86	Q2101-01L	TP-1-MHEL	SD	06/02/25 19:32	NOT USE	Jaswal	Not Ok
87	Q2101-01MS	TP-1-MHEMS	MS	06/02/25 19:36	MS/MSD fail for all elements	Jaswal	Not Ok
88	Q2101-01MSD	TP-1-MHEMSD	MSD	06/02/25 19:40	MS/MSD fail for all elements	Jaswal	Not Ok
89	Q2101-01A	TP-1-MHEA	PS	06/02/25 19:45	NOT USE	Jaswal	Not Ok
90	Q2159-01	TP05-MHO-WC	SAM	06/02/25 19:49		Jaswal	OK
91	Q2160-01	TP04-MHG-WC	SAM	06/02/25 19:53		Jaswal	OK
92	CCV08	CCV08	CCV	06/02/25 19:57		Jaswal	OK
93	CCB08	CCB08	CCB	06/02/25 20:01		Jaswal	OK
94	Q2172-01	TP06-MHQ	SAM	06/02/25 20:06	NOT USE	Jaswal	Not Ok
95	Q2172-01DUP	TP06-MHQDUP	DUP	06/02/25 20:10	NOT USE	Jaswal	Not Ok
96	Q2172-01L	TP06-MHQL	SD	06/02/25 20:14	NOT USE	Jaswal	Not Ok
97	Q2172-01MS	TP06-MHQMS	MS	06/02/25 20:18	Bad injection	Jaswal	Not Ok

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

Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB135981

Review By	jaswal	Review On	6/3/2025 4:30:35 PM
Supervise By	mohan	Supervise On	6/3/2025 4:36:15 PM

STD. NAME	STD REF.#
ICAL Standard	MP85545,MP85552,MP85549,MP85548,MP85547,MP85546
ICV Standard	MP85553
CCV Standard	MP85556
ICSA Standard	MP85554,MP85555
CRI Standard	MP85552
LCS Standard	
Chk Standard	MP85557,MP85558

98	Q2172-01MSD	TP06-MHQMSD	MSD	06/02/25 20:23	NOT USE	Jaswal	Not Ok
99	Q2172-01A	TP06-MHQA	PS	06/02/25 20:27	NOT USE	Jaswal	Not Ok
100	Q2173-01	OR-400-CF-402B-CO	SAM	06/02/25 20:32		Jaswal	OK
101	Q2173-07	OR-400-CF-402B-CO	SAM	06/02/25 20:36	Bad injection	Jaswal	Not Ok
102	Q2173-13	OR-400-CF-402B-CO	SAM	06/02/25 20:41	Bad injection	Jaswal	Not Ok
103	CCV09	CCV09	CCV	06/02/25 20:45		Jaswal	OK
104	CCB09	CCB09	CCB	06/02/25 20:49		Jaswal	OK
105	PB168236BL	PB168236BL	MB	06/02/25 20:54	NOT USE	Jaswal	Not Ok
106	PB168236BS	PB168236BS	LCS	06/02/25 20:58	NOT USE	Jaswal	Not Ok
107	Q2175-02	52725	SAM	06/02/25 21:02	NOT USE	Jaswal	Not Ok
108	CCV10	CCV10	CCV	06/02/25 21:06	CCV fail for all aparemters	Jaswal	OK
109	CCB10	CCB10	CCB	06/02/25 21:11		Jaswal	OK

Alliance TECHNICAL GROUP

Soil/Sludge Metals Preparation Sheet

PB168215

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 #3 2. N/A

Start Digest Date: 05/30/2025 **Time :** 09:40 **Temp :** 96 °C

End Digest Date: 05/30/2025 **Time :** 11:47 **Temp :** 96 °C

Digestion tube ID: M6054

Block thermometer ID: MET-DIG. #3

Dig Technician Signature: SKS

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	M6016
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#3 CELL#35 96 C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
05/30/25 12:47	SKS on dig	SO Metals Lab
	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

Soil/Sludge Metals Preparation Sheet

PB168215

Lab Sample ID	Client Sample ID	pH	Initial Weight (g)	Final Vol (ml)	Color Before	Color After	Texture	Artifact	Comment	Prep Pos
PB168215BL	PBS215	N/A	2.00	100	Colorless	Colorless	Fine	N/A	N/A	1
PB168215BS	LCS215	N/A	2.00	100	Colorless	Colorless	Fine	N/A	M6007,M6016	2
Q2150-01	TP-44	N/A	2.10	100	Brown	Yellow	Medium	N/A	N/A	3
Q2150-02	TP-42	N/A	2.18	100	Brown	Yellow	Medium	N/A	N/A	4
Q2150-03	TP-39	N/A	2.10	100	Brown	Yellow	Medium	N/A	N/A	5
Q2150-04	TP-48	N/A	2.11	100	Brown	Yellow	Medium	N/A	N/A	6
Q2150-05	TP-47	N/A	2.18	100	Brown	Yellow	Medium	N/A	N/A	7
Q2150-06	TP-50	N/A	2.44	100	Brown	Yellow	Medium	N/A	N/A	8
Q2150-07	TP-51	N/A	2.19	100	Brown	Yellow	Medium	N/A	N/A	9
Q2150-08	TP-52	N/A	2.25	100	Brown	Yellow	Medium	N/A	N/A	10
Q2150-09	TP-54	N/A	2.08	100	Brown	Yellow	Medium	N/A	N/A	11
Q2150-10	TP-53	N/A	2.12	100	Brown	Yellow	Medium	N/A	N/A	12
Q2151-01	WC-1	N/A	2.26	100	Brown	Yellow	Medium	N/A	N/A	13
Q2152-01	OK-02-05292025	N/A	2.45	100	Brown	Yellow	Medium	N/A	N/A	14
Q2152-01MS	OK-02-05292025MS	N/A	2.21	100	Brown	Yellow	Medium	N/A	M6007,M6016	16
Q2152-01MSD	OK-02-05292025MSD	N/A	2.25	100	Brown	Yellow	Medium	N/A	M6007,M6016	17
Q2152-01DUP	OK-02-05292025DUP	N/A	2.22	100	Brown	Yellow	Medium	N/A	N/A	15
Q2153-01	TR-04-0592025	N/A	2.12	100	Brown	Yellow	Medium	N/A	N/A	18

Alliance TECHNICAL GROUP

Soil/Sludge Mercury Preparation Sheet

PB168222

SOP ID : N/A

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: 05/30/2025 **Time :** 08:35 **Temp :** 94 °C

End Digest Date: 05/30/2025 **Time :** 09:05 **Temp :** 95 °C

Digestion tube ID: M5595

Block thermometer ID: HG-DIG#3

Dig Technician Signature: MB

Supervisor Signature: MC

Temp : 1. 94°C 2. N/A

Standared Name	MLS USED	STD REF. # FROM LOG
ICV	30mL	MP85804
CCV	30mL	MP85806
CRA	30mL	MP85808
Blank Spike	0.48mL	MP85797
Matrix Spike	0.48mL	MP85797

Chemical Used	ML/SAMPLE USED	Lot Number
AQUA REGIA	1.5mL	MP85810
KMnO4 (5%)	4.5mL	MP85241
Hydroxylamine HCL (12%)	2.0mL	MP85243
PTFE Boiling Stones	----------	M4583
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	MP85798
0.05 ppb	S0.05	N/A	N/A
0.2 ppb	S0.2	30mL	MP85799
2.5 ppb	S2.5	30mL	MP85800
5.0 ppb	S5.0	30mL	MP85801
7.5 ppb	S7.5	30mL	MP85802
10.0 ppb	S10.0	30mL	MP8580.3
ICV	ICV	30mL	MP85804
ICB	ICB	30mL	MP85805
CCV	CCV	30mL	MP85806
CCB	CCB	30mL	MP85807
CRI	CRI	30mL	MP85808
CHK STD	CHK STD	30mL	MP85809

Extraction Conformance/Non-Conformance Comments:

N/A

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
5/30/25 9:10	MB - Dig. Lab	MB - Metals Lab
	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

Soil/Sludge Mercury Preparation Sheet

PB168222

Lab Sample ID	Client Sample ID	Initial Weight (g)	Final Vol (ml)	pH	Comment	Prep Pos
PB168222BL	PBS222	0.59	35	NA	N/A	3-1
PB168222BS	LCS222	0.57	35	NA	mp85797	2
Q2136-01	OR-646-COMP-52	0.59	35	NA	N/A	3
Q2137-01	MOO-25-0151	0.58	35	NA	N/A	4
Q2139-01	BELL-25-0010	0.53	35	NA	N/A	5
Q2141-01	VNJ-215	0.57	35	NA	N/A	6
Q2146-01	TP04-MHN-WC	0.52	35	NA	N/A	7
Q2150-01	TP-44	0.58	35	NA	N/A	8
Q2150-01DUP	TP-44DUP	0.59	35	NA	N/A	9
Q2150-01MS	TP-44MS	0.53	35	NA	mp85797	10
Q2150-01MSD	TP-44MSD	0.60	35	NA	mp85797	11
Q2150-02	TP-42	0.60	35	NA	N/A	12
Q2150-03	TP-39	0.55	35	NA	N/A	13
Q2150-04	TP-48	0.56	35	NA	N/A	14
Q2150-05	TP-47	0.56	35	NA	N/A	15
Q2150-06	TP-50	0.54	35	NA	N/A	16
Q2150-07	TP-51	0.50	35	NA	N/A	17
Q2150-08	TP-52	0.60	35	NA	N/A	18
Q2150-09	TP-54	0.54	35	NA	N/A	19
Q2150-10	TP-53	0.50	35	NA	N/A	20
Q2151-01	WC-1	0.53	35	NA	N/A	21
Q2155-01	446	0.51	35	NA	N/A	22
Q2155-02	447-SOLID	0.58	35	NA	N/A	23
Q2157-01	291	0.60	35	NA	N/A	24

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. Q2150
COC Number 2047108

13
13.1

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: CDM SMITH
ADDRESS: 110 FIELDCREST AVE #8 6TH FLOOR
CITY EDISON STATE: NJ ZIP: 08837
ATTENTION: MARCIE ENCINAS
PHONE: 732-590-4679 FAX: 732-225-7851

CLIENT PROJECT INFORMATION

PROJECT NAME: SOUTH RIVER WM REPLACEMENT
PROJECT NO. 302781 LOCATION: SOUTH RIVER, NJ
PROJECT MANAGER: MARCIE ENCINAS
e-mail: ENCINASMA@CDMSMITH.COM
PHONE: 732-590-4679 FAX: 732-225-7851

CLIENT BILLING INFORMATION

BILL TO: CDM SMITH PO#:
ADDRESS: 110 FIELDCREST AVE #8 6TH FLOOR
CITY EDISON STATE: NJ ZIP: 08837
ATTENTION: MARCIE ENCINAS PHONE: 732-590-4679

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: TCL VOC
2: TCL SVOC
3: METALS
4: PCB
5: PESTICIDE
6: HERBICIDE
7: DRO/GRO
8:
9:

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
1.	TP-44	SOIL		X	5/27/25	0620	6	X	X	X	X	X	X	X			E
2.	TP-42	SOIL		X	5/27/25	0915	6	X	X	X	X	X	X	X			E
3.	TP-39	SOIL		X	5/27/25	0950	6	X	X	X	X	X	X	X			E
4.	TP-48	SOIL		X	5/27/25	1220	6	X	X	X	X	X	X	X			E
5.	TP-47	SOIL		X	5/27/25	1120	6	X	X	X	X	X	X	X			E
6.	TP-50	SOIL		X	5/27/25	1330	6	X	X	X	X	X	X	X			E
7.	TP-51	SOIL		X	5/27/25	1505	6	X	X	X	X	X	X	X			E
8.	TP-52	SOIL		X	5/28/25	0850	6	X	X	X	X	X	X	X			E
9.	TP-54	SOIL		X	5/28/25	1145	6	X	X	X	X	X	X	X			E
10.	TP-53	SOIL		X	5/28/25	1425	6	X	X	X	X	X	X	X			F

← 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.	5/28/25 1550	1. 1550 5-28-25
2.	DATE/TIME:	RECEIVED BY: 2.
3.	DATE/TIME: 1645 5-28-25	RECEIVED BY: 3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 3.5 °C
Comments:

Page ____ of

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete ☐ YES ☐ NO

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WHITE - ALLIANCE COPY FOR RETURN TO CLIENT YELLOW - ALLIANCE COPY PINK - SAMPLER COPY

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

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2150 CAMP02
Client Name : CDM Smith
Client Contact : Marcie Ann Encinas
Invoice Name : CDM Smith
Invoice Contact : Marcie Ann Encinas

Order Date : 5/28/2025 3:53:00 PM
Project Name : South River WM Replacem
Receive DateTime : 5/28/2025 ~~12:00:00~~ AM
Purchase Order : 18:45

Project Mgr :
Report Type : ~~Level 1~~ NJ REDUCE
EDD Type : EXCEL NOCLEANUP
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q2150-01	TP-44	Solid	05/27/2025	08:20					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q2150-02	TP-42	Solid	05/27/2025	09:15					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q2150-03	TP-39	Solid	05/27/2025	09:50					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q2150-04	TP-48	Solid	05/27/2025	12:20					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q2150-05	TP-47	Solid	05/27/2025	11:20					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q2150-06	TP-50	Solid	05/27/2025	13:30					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q2150-07	TP-51	Solid	05/27/2025	15:05					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q2150-08	TP-52	Solid	05/28/2025	08:50					

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2150 CAMP02
Client Name : CDM Smith
Client Contact : Marcie Ann Encinas
Invoice Name : CDM Smith
Invoice Contact : Marcie Ann Encinas

Order Date : 5/28/2025 3:53:00 PM
Project Name : South River WM Replacem
Receive DateTime : 5/28/2025 ~~12:00:00~~ AM 16:45
Purchase Order :

Project Mgr :
Report Type : ~~Level 1~~ NJ REDUCE
EDD Type : EXCEL NOCLEANUP
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
					VOC-TCLVOA-10		8260D	10 Bus. Days	
Q2150-09	TP-54	Solid	05/28/2025	11:45					
					VOC-TCLVOA-10		8260D	10 Bus. Days	
Q2150-10	TP-53	Solid	05/28/2025	14:25					
					VOC-TCLVOA-10		8260D	10 Bus. Days	

Relinguished By :
Date / Time : 5/29/25 0950

Received By :
Date / Time : 05/29/25 0950 Ng # 6 FR 2
Storage Area : VOA Refridgerator Room